

DEKALB COUNTY

**PROJECT LOCATION**

N.T.S.

**SITE DESCRIPTION:**

Total Site Area 8.24 ac  
 Total Area Disturbed 3.80 (Phase 2)  
 Soil Types Ud, CuC

24-HOUR CONTACT:  
 PAUL PIERCE  
 (404) 271-2101

DESCRIPTION OF EXISTING LAND USE:  
 Public Housing owned by the Housing Authority of the City of Decatur.

**ADJACENT PROPERTY LAND USE:**

DeKalb County Maloof Government Building to the North  
 Dekalb County Parking Deck to the Northeast  
 Decatur High School to the East  
 Swanton Heights (Public Housing) to the South  
 Mariam Kiddist Ethiopian Church to the South  
 Ebster Park to the West  
 City of Decatur Beagon School to the West  
 Task Force for Child Survival to the Northwest

**SITE PURPOSE AND CONSTRUCTION ACTIVITY**

This site is proposed to be public housing apartment and townhouses, future condominiums, and their associated parking lots. Construction Activity will include clearing and grubbing, installation of construction entrance and other erosion control measures, site demolition, site grading, utility installation, building construction and final stabilization.

ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS.

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING HAVE BEEN MET. THE RESPONSIBILITY IS ON THE OWNER/DEVELOPER/BUILDER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, STANDARDS, OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS PROJECT.

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

CONSTRUCTION PLANS

FOR

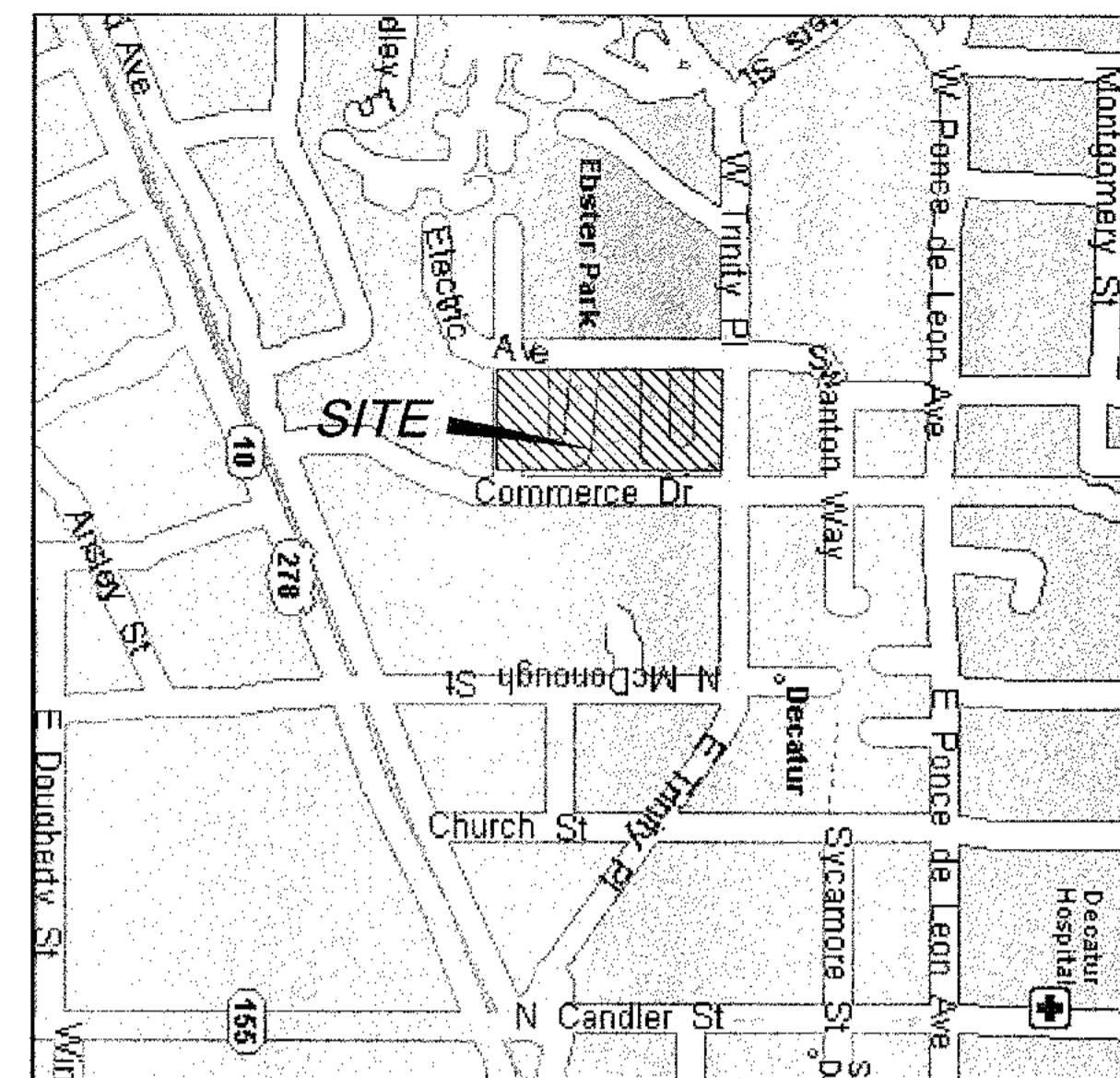
**OLIVER HOUSE AT ALLEN WILSON APARTMENTS PHASE 2**

**1450 COMMERCE DRIVE**

LAND LOT 245 AND 246

CITY OF DECATUR

DEKALB COUNTY, GEORGIA



**VICINITY MAP**

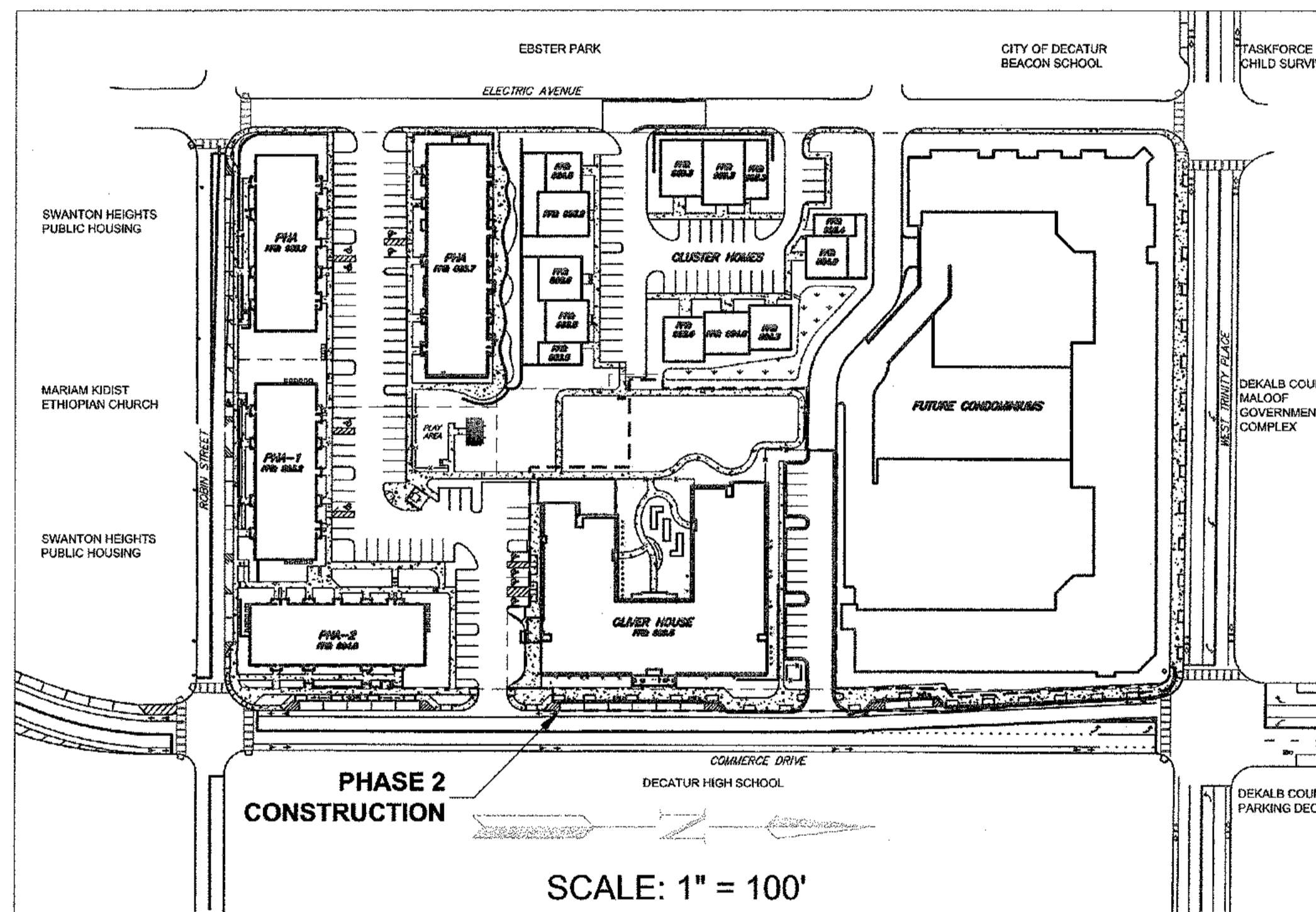
N.T.S.

**DRAWING INDEX**

Sheet No:	Sheet Title
△ C-01	COVER
△ C-02	EXISTING CONDITIONS AND DEMOLITION PLAN
C-03	PHASING MASTER PLAN
C-04	ULTIMATE LAYOUT PLAN
△ C-05	ULTIMATE GRADING PLAN
△ C-06	ULTIMATE SANITARY SEWER PLAN
△ C-07	ULTIMATE WATER PLAN
△ C-08	ULTIMATE SIGNING AND MARKING PLAN
C-09	ULTIMATE OFF-SITE SIGNING AND MARKING PLAN
△ C-10	PHASE 2 EXISTING CONDITIONS AND DEMOLITION PLAN
C-11 & C-11A*	PHASE 2 LAYOUT PLAN
△ C-12 & C-12A*	PHASE 2 GRADING PLAN
△ C-12.1* & C-12.2*	PHASE 2 STRUCTURAL PLAN
△ C-13 & C-13A*	PHASE 2 UTILITY PLAN
△ C-14 & C-14A	PHASE 2 PROFILES- STORM AND SANITARY SEWER
△ C-15	PHASE 2 SIGNING AND MARKING PLAN
C-16	PHASE 2 OFF-SITE SIGNING AND MARKING PLAN
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C-18	PHASE 2 EROSION SEDIMENTATION & POLLUTION CONTROL PLAN - PHASE 1
△ C-19	PHASE 2 EROSION SEDIMENTATION & POLLUTION CONTROL PLAN - PHASE 2
△ C-20	PHASE 2 EROSION SEDIMENTATION & POLLUTION CONTROL PLAN - PHASE 3
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C-22	CONSTRUCTION DETAILS - 1
△ C-23	CONSTRUCTION DETAILS - 2
△ C-24	CONSTRUCTION DETAILS - 3
C-25	CONSTRUCTION DETAILS - 4
△ C-26	CONSTRUCTION DETAILS - 5
C-27	CONSTRUCTION DETAILS - 6
C-28	CONSTRUCTION DETAILS - 7
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C-30	CONSTRUCTION DETAILS - 9
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L-100	PLANTING AND SITE DETAILS
TR-100	TREE PRESERVATION AND REPLACEMENT PLAN
S-1	SURVEY
△ E1.00	SITE PLAN - ELECTRICAL

\* SHEETS REQUIRED FOR CITY OF DECATUR STORM SEWER EXTENSION ACROSS ELECTRIC AVENUE

NO.	DATE	DESCRIPTION	BY
△	06/08/11	REVISIONS PER /DEKALB COUNTY COMMENTS	BWS
△	05/17/11	REVISIONS PER CITY OF DECATUR COMMENTS /DEKALB COUNTY COMMENTS	JCR
△	04/28/11	REVISIONS PER CITY OF DECATUR COMMENTS /DEKALB COUNTY COMMENTS	BWS
△	03/15/11	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION POND	BWS
△	02/21/11	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE- ADDENDUM 2	BWS



SCALE: 1" = 100'

FOLLOW DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT (DCDWM) DESIGN STANDARDS 2009 EDITION VERSION 1.0.

CONTRACTOR RESPONSIBLE FOR TEMPORARY TRAFFIC CONTROL PLAN TO BE UTILIZED DURING CONSTRUCTION OPERATIONS ON COMMERCE DRIVE AND ELECTRIC AVENUE. CONTRACTOR SHALL COORDINATE THE TRAFFIC CONTROL PLAN WITH CITY OF DECATUR PUBLIC WORKS DEPARTMENT.

**PROJECT OWNER AND CONSULTANT**

OWNER  
 ALLEN WILSON II LP  
 750 COMMERCE DRIVE  
 DECATUR, GEORGIA 30031  
 CONTACT: PAUL PIERCE  
 PHONE: (404) 271-2101

CIVIL ENGINEERING CONSULTANT  
 KIMLEY-HORN & ASSOCIATES, INC.  
 817 WEST PEACHTREE ST, NW  
 SUITE 601  
 ATLANTA, GA 30308  
 CONTACT: J. MARK KELBY, P.E.  
 PHONE: (404) 419-8700

STRUCTURAL CONSULTANT  
 STRUCTURAL CONSULTING GROUP  
 6250, SHILON RD. SUITE 330  
 ALPHARETTA, GA 30005  
 PHONE: 678-513-4242  
 CONTACT: JOHN FLANNIGAN

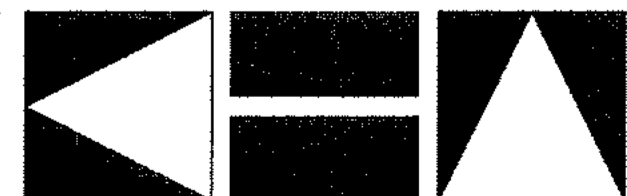
MEP CONSULTANT  
 JORDAN & SKALA  
 4275 SHACKLEFORD ROAD, SUITE 200  
 NORCROSS, GA 30093  
 PHONE: 770-447-5547  
 CONTACT: VERN SMITH

ARCHITECT/CONSTRUCTION MANAGER  
 HADP ARCHITECTURE, INC.  
 2722 PIEDMONT ROAD, NE  
 ATLANTA, GEORGIA 30305  
 CONTACT: MR. STEWART AIKEN  
 PHONE: (404) 233-4466



Know what's below.  
 Call before you dig.

PREPARED IN THE OFFICE OF:



3169 HOLCOMB BRIDGE ROAD, SUITE 600 - NORCROSS, GEORGIA, 30071  
 PHONE: (770) 825-0744

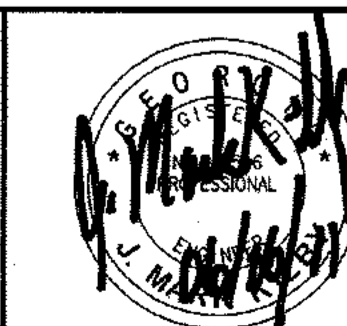
**Kimley-Horn and Associates, Inc.**

PREPARED FOR:



HARPER AIKEN DONAHUE & PARTNERS

2722 PIEDMONT ROAD  
 ATLANTA, GEORGIA 30305  
 PHONE: (404) 233-4466  
 FAX: (404) 233-4466



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DATE: JANUARY 27, 2011

JOB NUMBER: 019636000

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_02\_EX12-DEMO.dwg Ex-Demo Jun 06, 2011 10:30am by: ben.skimore

CONTRACTOR SHALL MAINTAIN EXISTING SEWER LINE IN SERVICE UNTIL NEW SEWER LINE IS INSTALLED, INSPECTED, TESTED, AND ACCEPTED BY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT, THEN REMOVE UNDER BUILDING FOOTPRINT AND 10 FT OUTSIDE OF BUILDING FOOTPRINT OR ABANDONED IN PLACE BY COMPLETELY FILLING 100% WITH NON-SHRINK GROUT (SEE SHEET C-10)

SEWER FLOW TABLE					
PHASE	UNITS DEMOLISHED	UNITS BUILT	ACRES	UNITS/AC (DENSITY)	AVG. DAILY FLOW CHANGE*
1	64	40	1.75	EXISTING - 29.7 (HIGH)	-3274 GPD
			0.78	PHASE 1 - 51.3 (HIGH)	
2	40	85	2.50	EXISTING - 16 (MED-HIGH)	-709 GPD
			1.29	PHASE 2 - 65.9 (HIGH)	
TOTAL FLOW REDUCTION FOR PHASE 1 & 2 = -3983 GPD					

\*FLOW RATES WERE OBTAINED FROM DEKALB COUNTY DEPARTMENT OF PUBLIC WORKS SANITARY SEWER PUMP STATION STANDARDS FOR HIGH AND MEDIUM-HIGH DENSITY RESIDENTIAL  
 \*PHASE 3 WILL RESULT IN AN INCREASE IN SANITARY SEWER FLOW AT WHICH TIME THE EXISTING SANITARY SEWER CAPACITY WILL BE RE-EVALUATED.

**EXISTING CONDITIONS LEGEND:**

- PROPERTY LINE
- WATER LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- FENCE
- EXISTING DROP INLET
- EXISTING SANITARY SEWER MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING TRANSFORMER
- LIGHT POLE
- AIR CONDITIONING UNIT
- CLEANOUT
- CLEANOUT PROPOSED (NOT FOUND)

**PHASED DEMOLITION LEGEND:**

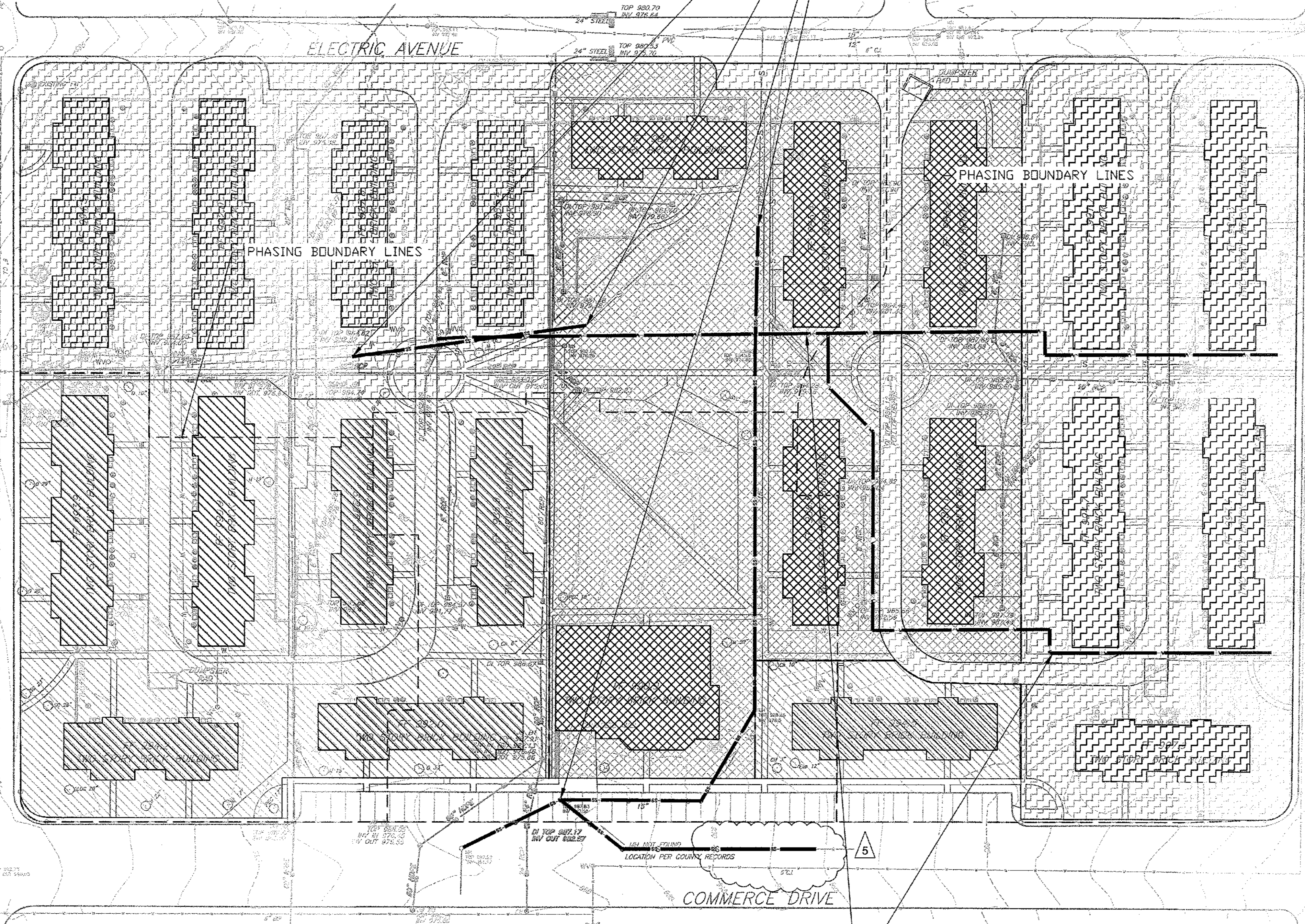
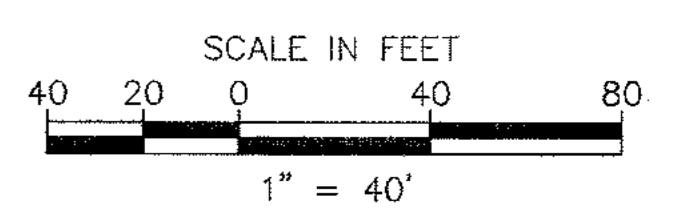
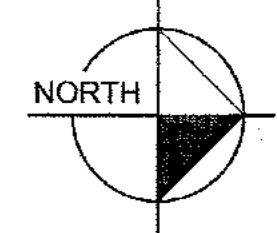
- ▨ DEMOLITION PHASE 1
- ▩ DEMOLITION PHASE 2
- ▧ DEMOLITION PHASE 3

**GENERAL NOTES:**

PROPERTY SIZE: 8.24 AC (358,934 SF)

THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001. ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.

- CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING DEMOLITIONS OPERATIONS AND CAP EXISTING SERVICES TO DEMOLISHED BUILDINGS (SEE SHEET C-10)
- CONTRACTOR SHALL RETAIN AND PROTECT EXISTING YARD INLETS AND ONLY REMOVE WHERE INLETS/PIPES INTERFERE WITH PROPOSED IMPROVEMENTS (SEE SHEET C-10)
- CONTRACTOR SHALL BACKFILL BUILDING FOUNDATION AREAS OF DEMOLISHED BUILDINGS WITH SUITABLE SOILS AS APPROVED BY THE GEOTECHNICAL ENGINEER TO 98% OF THE MAXIMUM DRY DENSITY (ASTM D998). BACKFILL SHALL BE SLOPED TO DRAIN AT A MINIMUM OF 2% (SEE SHEET C-10)



IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

REFER TO PHASE 2 EXISTING CONDITIONS AND DEMOLITION PLAN FOR PROPOSED DEMOLITION ACTIVITIES AS A PART OF THIS PERMIT. THIS PLAN REFLECTS DEMOLITION OF BUILDINGS ONLY.

CONTRACTOR SHALL ARRANGE FOR CITY OF DECATUR PRE-CONSTRUCTION CONFERENCE AND SHALL NOT START DEMOLITION UNTIL CONFERENCE HAS BEEN CONDUCTED. CONTRACTOR SHALL NOT DEMOLITION UNTIL PHASE 1 EROSION, SEDIMENTATION, AND POLLUTION CONTROL BMP'S ARE IN PLACE AND INSPECTED BY ENGINEER.

CONTRACTOR SHALL PROTECT EXISTING ELECTRICAL SERVICE AND KEEP IN SERVICE TO PHASE 3

CONTRACTOR SHALL PROTECT SITE LIGHTING NOT SCHEDULED TO BE REMOVED AND KEEP IN SERVICE.

NOTE THAT DEMOLITION AREA INCLUDES EXISTING ABANDONED WATER MAINS AND GAS MAINS.



REV. No.	DATE	DRAWN BY	CHECKED BY
5	05/17/11	JCR	JMK

PREPARED IN THE OFFICE OF:

817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **EXISTING CONDITIONS AND DEMOLITION PLAN**

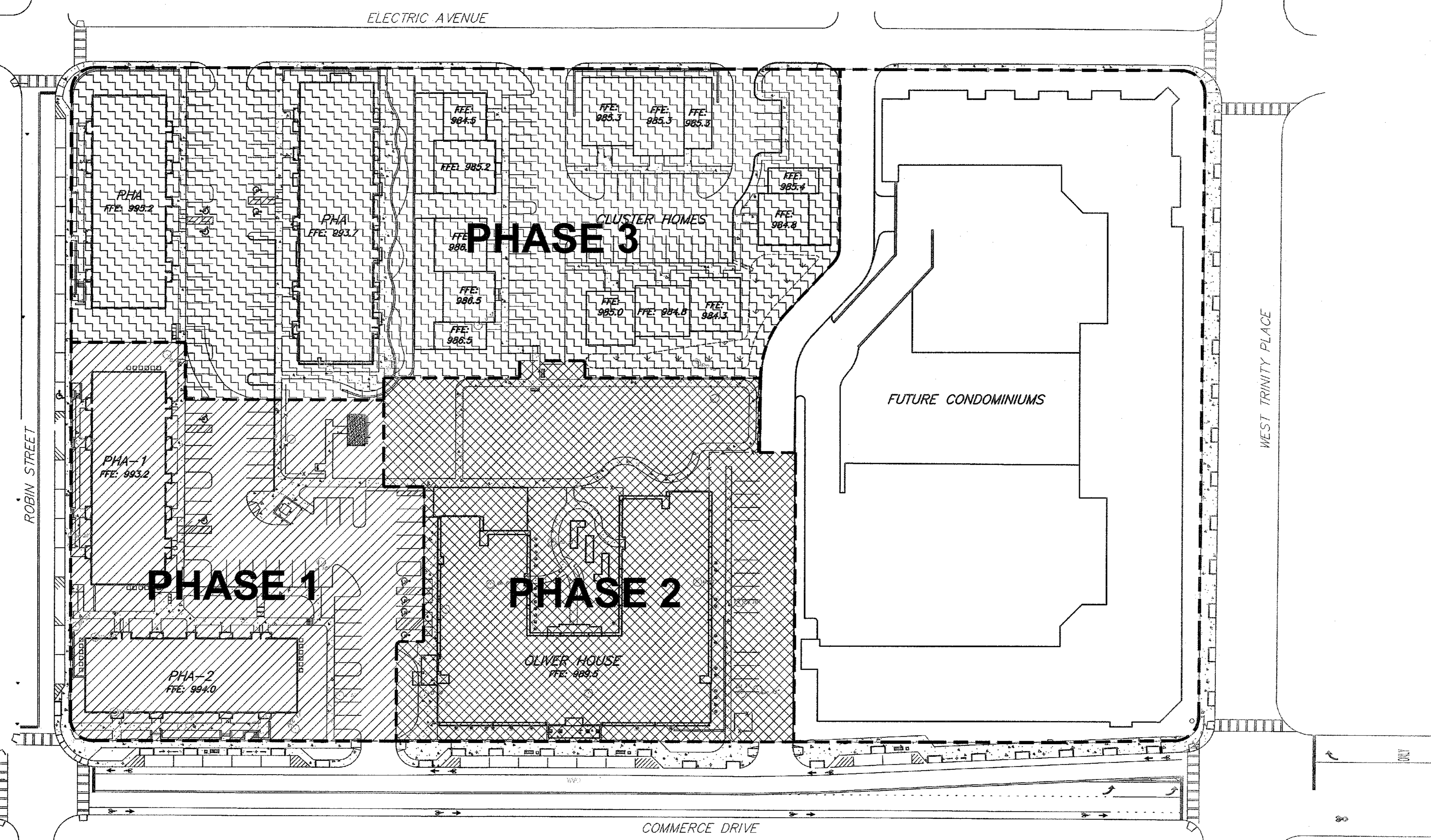
HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-02 of 35

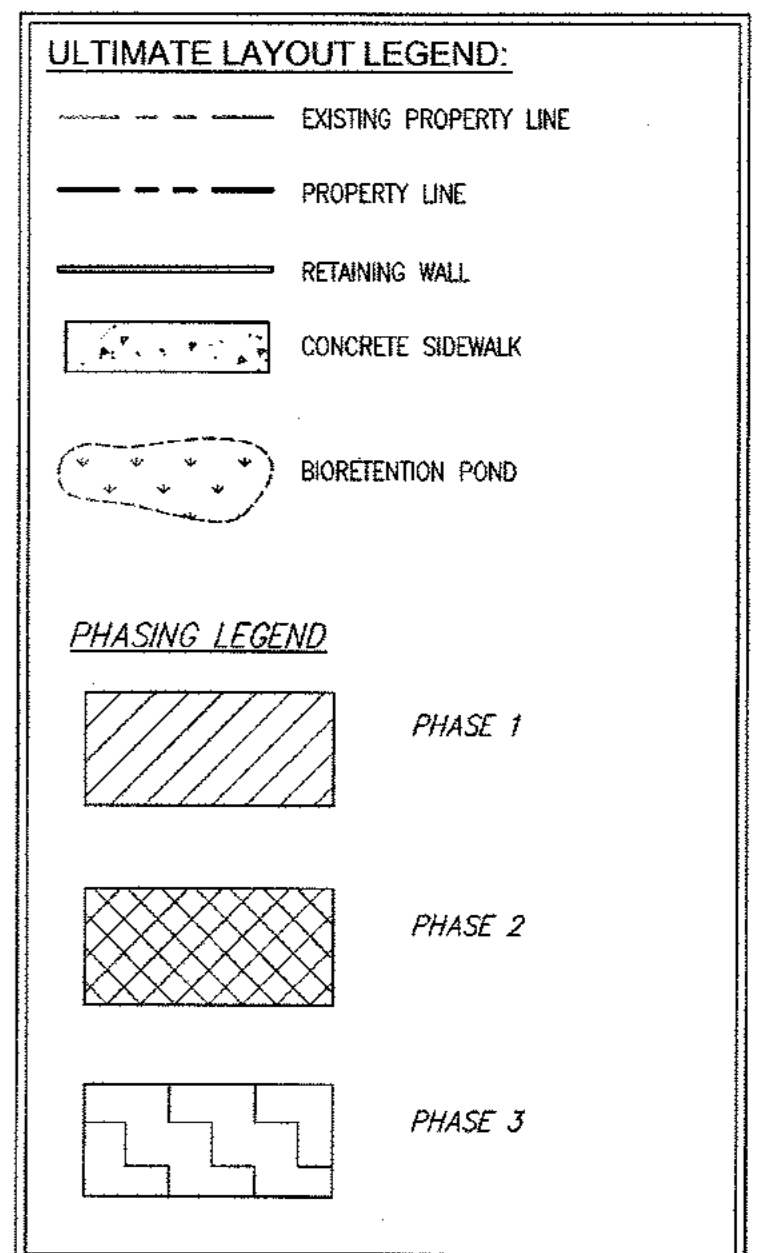
**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**

LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_03\_PHASING2-PLAN.dwg PHASING Jun 06, 2011 10:30am by: benskidmore



**GENERAL NOTES:**  
 PROPERTY SIZE: 8.24 AC (358,934 SF)  
 THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001. ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.  
**PARKING SUMMARY:**  
 CONDOMINIUM: 163 TOTAL UNITS  
 250 TOTAL PARKING SPACES  
 PUBLIC HOUSING: 99 TOTAL UNITS  
 188 TOTAL PARKING SPACES  
 6 HANDICAP SPACES

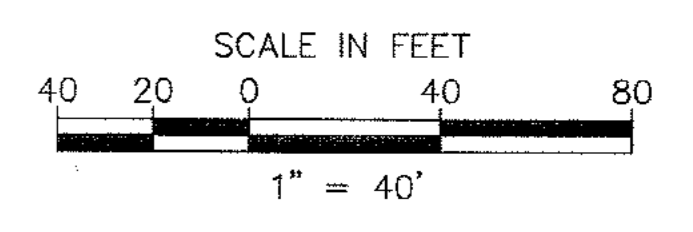
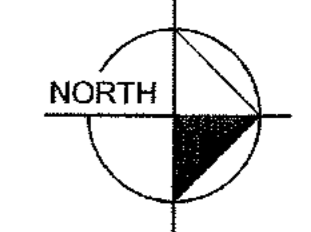


NOTE: ALL ROADWAY STRIPING ON COMMERCE DRIVE SHOWN ON THIS PLAN TO OCCUR DURING PHASE 2.

**SEWER FLOW TABLE**

PHASE	UNITS DEMOLISHED	UNITS BUILT	ACRES	UNITS/AC (DENSITY)	AVG. DAILY FLOW CHANGE*
1	64	40	1.75	EXISTING - 23.7 (HIGH)	-3274 GPD
		40	0.78	PHASE 1 - 51.3 (HIGH)	
2	40	80	2.50	EXISTING - 16 (MED-HIGH)	-709 GPD
		80	1.29	PHASE 2 - 62.0 (HIGH)	
TOTAL FLOW REDUCTION FOR PHASE 1 & 2 = -3983 GPD					

\*FLOW RATES WERE OBTAINED FROM DEKALB COUNTY DEPARTMENT OF PUBLIC WORKS SANITARY SEWER PUMP STATION STANDARDS FOR HIGH AND MEDIUM-HIGH DENSITY RESIDENTIAL.  
 \*\*PHASE 3 WILL RESULT IN AN INCREASE IN SANITARY SEWER FLOW AT WHICH TIME THE EXISTING SANITARY SEWER CAPACITY WILL BE RE-EVALUATED.



IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

NOTE: CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. AS-BUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.



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REV. NO.	DATE	DRAWN BY	CHECKED BY

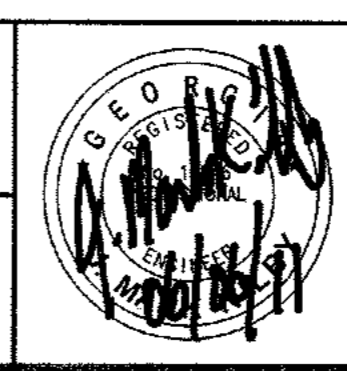
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PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASING MASTER PLAN**



HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

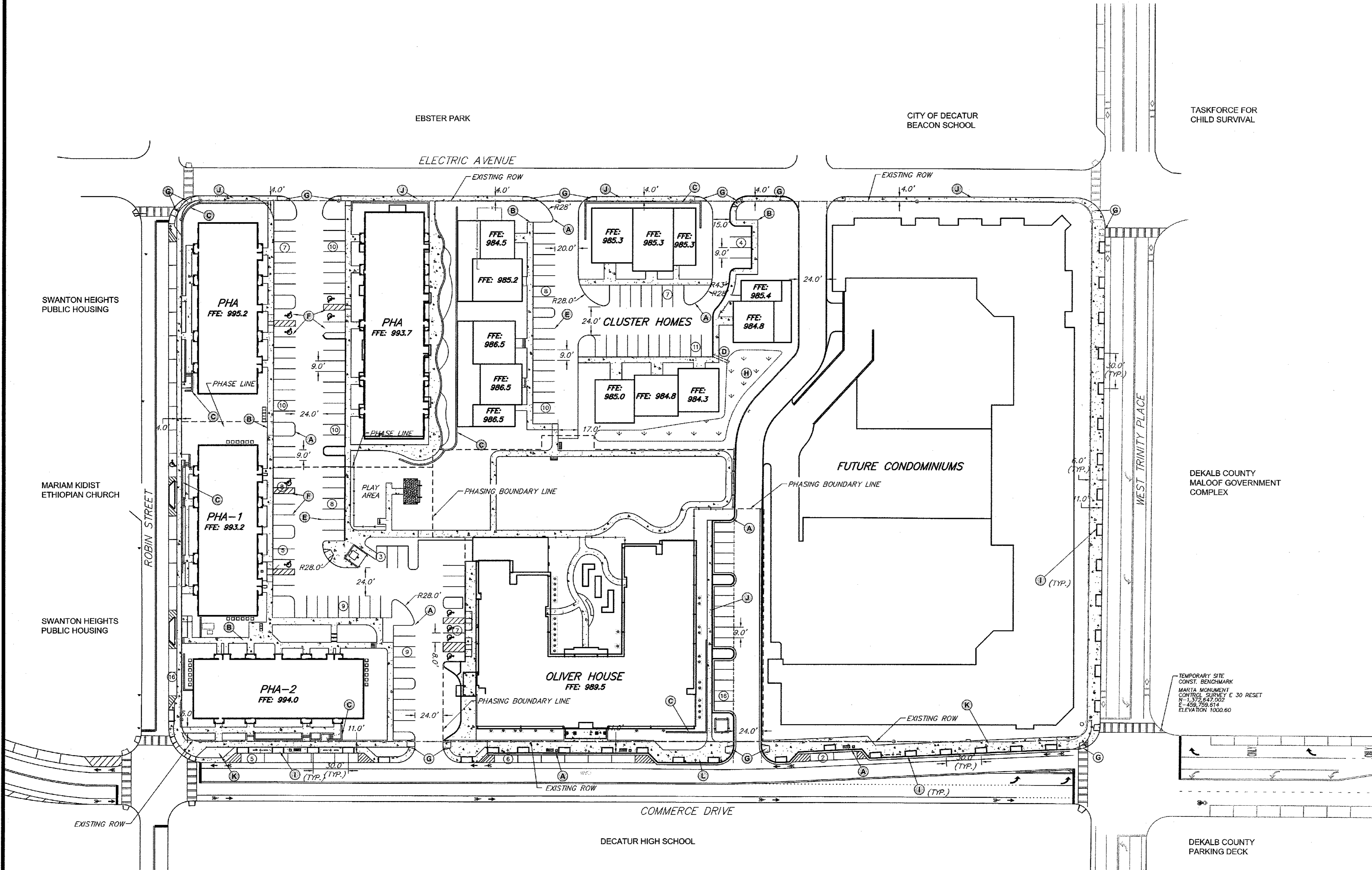
**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-03 OF 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_04\_FINAL2-LAYOUT.dwg Final Layout Jun 06, 2011 10:30am by: ben.sikidmore

- SITE PLAN KEY NOTES:**
- (A) BACK OF 2' WIDE CONCRETE CURB & GUTTER
  - (B) 5' CONCRETE SIDEWALK
  - (C) RETAINING WALL (BY OTHERS)
  - (D) FUTURE SIDEWALK FLUME
  - (E) 9' X 18' PARKING STALL (TYP.)
  - (F) 8' X 18' HANDICAP PARKING STALL (TYP.)
  - (G) ADA ACCESSIBLE SIDEWALK RAMP (TYP.)
  - (H) BIORETENTION AREA
  - (I) 5'X10' TREE PLANTER
  - (J) 4' CONCRETE SIDEWALK
  - (K) 6' CONCRETE SIDEWALK
  - (L) BRICK PAVERS (SEE LA PLANS FOR DETAILS)

**GENERAL NOTES:**  
 PROPERTY SIZE: 8.24 AC (358,934 SF)  
 THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001. ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.  
 SEE LANDSCAPE PLANS FOR STREETScape DETAILS.  
**PARKING SUMMARY:**  
 CONDOMINIUM: 163 TOTAL UNITS  
 250 TOTAL PARKING SPACES  
 PUBLIC HOUSING: 99 TOTAL UNITS  
 173 TOTAL PARKING SPACES  
 11 HANDICAP SPACES  
**NOTE:**  
 BUILDING SETBACKS ARE SUBJECT TO REZONING APPROVAL.

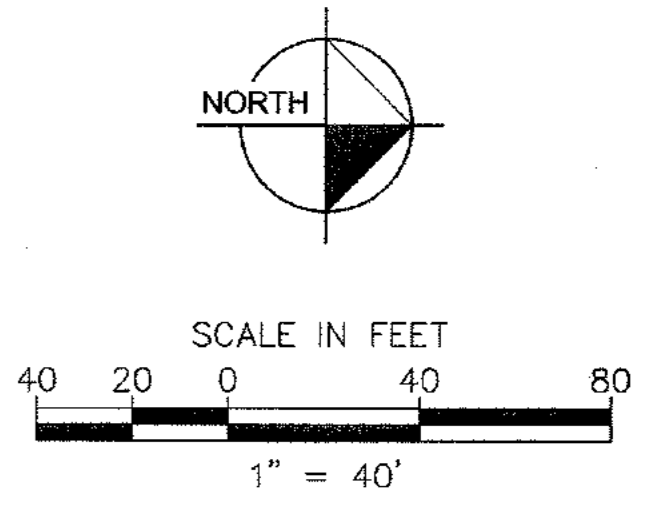


TEMPORARY SITE CONST. BENCHMARK  
 MARTA MONUMENT CONTROL SURVEY E 30 RESET  
 N=1372.647, 002  
 E=459,799.614  
 ELEVATION 1000.60



IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

NOTE: CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. AS-BUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.



2	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE-ADDENDUM 2	02/21/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
REV. No:		DATE:	DRAWN BY:	CHECKED BY:

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PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **ULTIMATE LAYOUT PLAN**

HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01 - 27 - 11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-04 of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_05\_FINAL2-GRADING.dwg Grading Jun 06, 2011 10:31am by: ben.akidmore

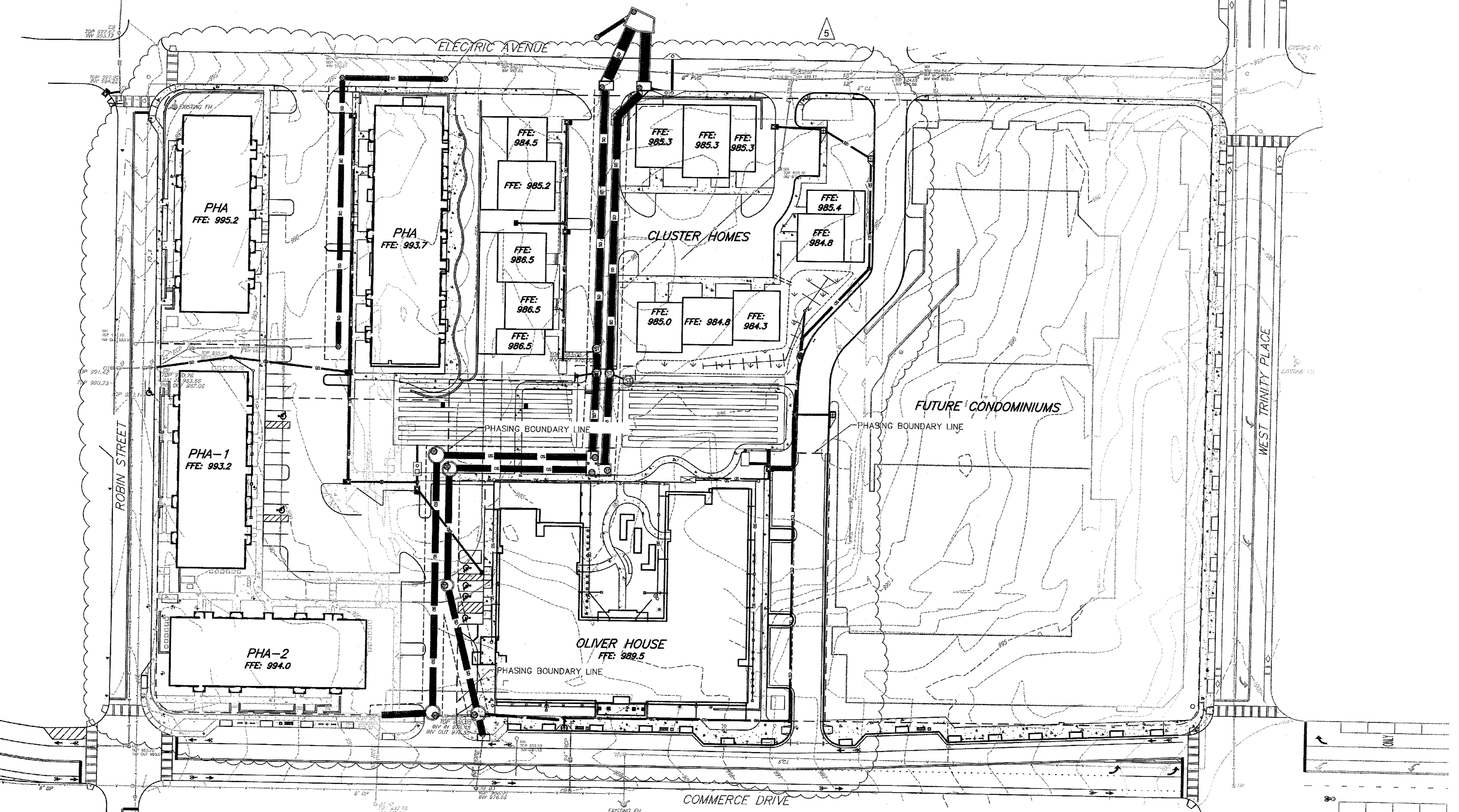
**GRADING PLAN KEY:**

- PI - PEDESTAL INLET
- YI - GOOT YARD INLET
- CB - CATCH BASIN
- CI - CURB INLET
- SDMH - STORM MANHOLE
- DI - DROP INLET

- GENERAL NOTES:**
- 1) PROPERTY SIZE: 8.24 AC (358,934 SF)
  - 2) THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13069C0088 DATED MAY 7, 2001. ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.
  - 3) CONTACT DECATUR DEVELOPMENT DEPARTMENT (404-377-9911) TO ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH THE CITY TREE CONSULTANT PRIOR TO ANY LAND DISTURBANCE.
  - 4) ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY GRADING OR LAND DISTURBANCE.
  - 5) REFER TO SHEET C-12 AND C-12A FOR PHASE 2 GRADING AND ALL STORM INFORMATION. THIS SHEET FOR FINAL STORM LAYOUT ONLY

**LEGEND:**

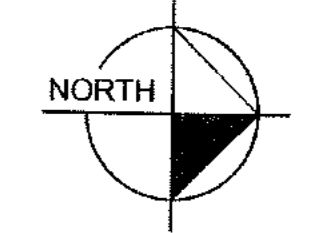
- PROPERTY LINE
- - - EASEMENT LINE
- EXISTING STORM SEWER LINE
- STORM SEWER LINE
- SANITARY SEWER MANHOLE
- STORM LINE MANHOLE
- STORM DRAIN DROP INLET
- STORM DRAIN CURB INLET
- STORM DRAIN CATCH BASIN
- STORM DRAIN YARD INLET
- CONCRETE



**UTILITIES PROTECTION CENTER, INC.**  
 Call toll-free 1-800-282-7411 throughout Georgia.  
 Outside Georgia call collect at 1-770-823-4344 prior to all construction activities.  
 THE LOCATION OF UTILITIES ARE SHOWN FROM FIELD EVIDENCE. OTHER UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN. BEFORE CONSTRUCTION IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATOR INVESTIGATE ALL UNDERGROUND UTILITIES.

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

NOTE: CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. AS-BUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.



SCALE IN FEET  
 40 20 0 40 80  
 1" = 40'

2	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE-ADDENDUM 2	02/21/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
4	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	04/28/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	08/17/11	JCR	JMK
REV. No.:		DATE:	DRAWN BY:	CHECKED BY:

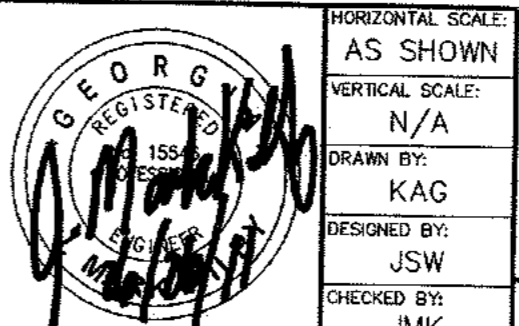
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PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **ULTIMATE GRADING PLAN**



**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

DATE: 01 - 27 - 11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-05 of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_06\_FINAL2--SEWER.dwg Utility Jun 06, 2011 10:31am by: benskidmore

**SEWER PLAN LEGEND:**  
 SSMH - SEWER MANHOLE  
 SSCO - SANITARY SEWER CLEANOUT  
 EXMH - EXISTING MANHOLE

**DEKALB COUNTY SEWER NOTES:**

- CONTRACTOR SHALL NOTIFY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR AT 770-621-7212 48 HOURS PRIOR TO START OF CONSTRUCTION
- AT NO TIME WILL ANY GRAVITY SANITARY SEWER CONSTRUCTION COMMENCE PRIOR TO APPROVAL OF ALL PLANS, RECEIPT OF ALL REQUIRED DOCUMENTS INCLUDING NECESSARY EASEMENTS, ISSUANCE OF SANITARY SEWER CONSTRUCTION PERMIT TO APPROVED CONTRACTOR BY DCDWM AND A PRECONSTRUCTION CONFERENCE HELD WITH A DCDWM INSPECTOR.
- ALL GRAVITY SANITARY SEWER LINES, MANHOLES AND OTHER APPURTENANCES TO BE GOVERNED BY DCDWM SHALL BE INSTALLED ACCORDING TO APPROVED PLANS AND PROFILES. CONTRACTOR MUST HAVE A SET OF THE APPROVED DESIGN CONTAINING AN ORIGINAL DCDWM STAMP, A COPY OF THE DESIGN STANDARDS, CURRENT EDITION, ON SITE AT ALL TIMES.
- CONTRACTOR SHALL ADHERE TO ALL FEDERAL, STATE, COUNTY, AND LOCAL LAWS, ORDINANCES AND REGULATIONS WHICH IN ANY MANNER AFFECT THE CONDUCT OF THE WORK, INCLUDING BUT NOT LIMITED TO INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- SANITARY SEWER CONSTRUCTION SHALL BE DONE IN OPEN TRENCHES AND IN A MANNER TO PROTECT LINES, SANITARY SEWERS OR STRUCTURES FROM UNUSUAL STRESSES.
- CONTRACTOR SHALL PROVIDE FOR THE FLOW OF ALL SANITARY SEWERS OR DRAINS INTERRUPTED DURING THE PROGRESS OF THE WORK AND SHALL RESTORE SAME TO A PRECONSTRUCTION CONDITION.
- AT THE START OF CONSTRUCTION CONTRACTOR SHALL INSTALL AN AIR PLUG IN THE FIRST PIPE Laid OUT OF THE ENTRANCE MANHOLE AND IN THE DOWNGRADE SIDE OF THE FIRST NEWLY INSTALLED MANHOLE. SAID PLUGS SHALL REMAIN IN PLACE UNTIL FINAL INSPECTION AND APPROVAL IS GIVEN BY DCDWM. CONTRACTOR MUST EXERCISE EXTREME CAUTION TO ENSURE PLUGS ARE NOT LOST INTO THE GRAVITY SANITARY SEWER SYSTEM.
- THE CONTRACTOR MUST COMPLY WITH ALL REQUIREMENTS OF THE DEKALB COUNTY SOIL EROSION AND SEDIMENT CONTROL ORDINANCE, THE PROVISIONS OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA," AND ANY SPECIAL CONDITION REQUIRED BY THE EPO ASSOCIATED WITH ANY VARIANCES ISSUED BY THE SAME, AND ANY SPECIAL CONDITIONS REQUIRED BY THE DCDWM INSPECTOR.
- GRAVITY SANITARY SEWER LINES SHALL BE EITHER PVC, DUCTILE IRON PIPE, OR HDPE.
- ALL SANITARY SEWERS PIPE AND FITTINGS SHALL BE MARKED IN ACCORDANCE WITH THE LATEST ASTM DESIGNATIONS. PIPE MARKINGS SHALL APPEAR AT INTERVALS OF FIVE (5) FEET OR LESS ON PIPE BARRELS.
- REFER TO DCDWM STANDARD MANUAL FOR ACCEPTABLE MATERIAL CLASSIFICATIONS.
- MANHOLES SHALL BE PRECAST REINFORCED CONCRETE CONSTRUCTION MADE IN CONFORMANCE WITH THE LATEST EDITION OF ANSIASTM C478. THE MINIMUM WALL THICKNESS FOR A FOUR FOOT DIAMETER MANHOLE IS FIVE INCHES.
- ALL EXCAVATION SHALL BE OPEN CUT UNLESS OTHERWISE INDICATED ON THE APPROVED DESIGN OR DIRECTED BY DCDWM. EXCAVATION BELOW TOPSOIL MAY BE PERFORMED BY MACHINE, BUT SHALL BE SUPPLEMENTED BY SUCH HAND DRESSING OR LEVELING AS MAY BE REQUIRED TO CONFORM TO THE LINES AND GRADES AS GIVEN BY DCDWM. REFER TO DCDWM TRENCH DETAIL IN CONSTRUCTION DETAILS.
- THE FLOW IN SANITARY SEWERS, DRAINS, GUTTERS, OR WATER COURSES ENCOUNTERED DURING CONSTRUCTION SHALL BE ADEQUATELY PROVIDED FOR BY THE CONTRACTOR TO ENSURE THESE FLOWS DO NOT INTERFERE WITH THE PROSECUTION OF WORK AND ARE MAINTAINED IN SUCH A WAY TO ENSURE CONTINUITY OF FLOW.
- IF RAW SEWAGE IS ENCOUNTERED DURING PERFORMANCE OF THE WORK, THE CONTRACTOR MUST IMMEDIATELY STOP WORK AND SHALL NOTIFY DCDWM.
- BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH GDOT STANDARD SPECIFICATION SECTION 812, TYPE II FOUNDATION BACKFILL.
- CONTRACTOR TO REFER TO DCDWM GRAVITY SANITARY SEWER DESIGN STANDARDS FOR INSTALLATION OF ALL SANITARY SEWER.

**GENERAL NOTES:**

- PROPERTY SIZE: 8.24 AC (358,934 SF)
- THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0668H DATED MAY 7, 2001, ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.
- ALL PROPOSED MANHOLES RIMS SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH FINISHED GRADE.

**LEGEND:**

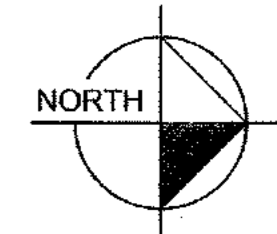
---	PROPERTY LINE	⊙	SANITARY SEWER MANHOLE
- - -	EASEMENT LINE	⊙	STORM LINE MANHOLE
---	WATER LINE	⊙	STORM DRAIN DROP INLET
---	STORM SEWER LINE	⊙	STORM DRAIN CURB INLET
---	EXISTING SANITARY SEWER	⊙	STORM DRAIN CATCH BASIN
---	PROPOSED SANITARY SEWER	⊙	STORM DRAIN YARD INLET
---	CONCRETE	⊙	TEE
		⊙	WATER VALVE

NOTE: THERE ARE NO EXISTING PUBLIC SANITARY SEWER EASEMENTS. EASEMENTS WILL BE CREATED FOR EXISTING AND PROPOSED LINES.

**SEWER FLOW TABLE**

PHASE	UNITS DEMOLISHED	UNITS BUILT	ACRES	UNITS/AC (DENSITY)	AVG. DAILY FLOW CHANGE*
1	52	40	1.75	EXISTING - 23.7 (HIGH)	-3274 GPD
2	40	85	2.50	EXISTING - 16 (MED-HIGH)	-709 GPD
			1.29	PHASE 2 - 65.9 (HIGH)	
TOTAL FLOW REDUCTION FOR PHASE 1 & 2 = -3983 GPD					

\*FLOW RATES WERE OBTAINED FROM DEKALB COUNTY DEPARTMENT OF PUBLIC WORKS SANITARY SEWER PLANTATION STANDARDS FOR HIGH AND MEDIUM-HIGH DENSITY RESIDENTIAL.  
 \*\*PHASE 3 WILL RESULT IN AN INCREASE IN SANITARY SEWER FLOW AT WHICH TIME THE EXISTING SANITARY SEWER CAPACITY WILL BE RE-EVALUATED.



SCALE IN FEET  
 40 20 0 40 80  
 1" = 40'

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NOTE: CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. AS-BUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.

NOTE: CONTRACTOR TO REFER TO PHASE 1 EXISTING CONDITIONS AND DEMOLITION PLAN FOR LIMITS OF SANITARY SEWER DEMOLITION.



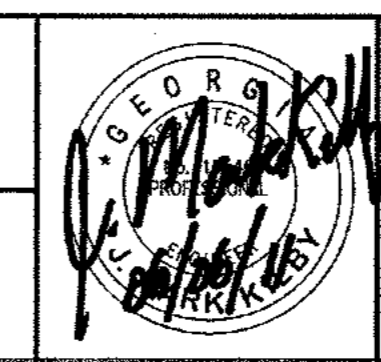
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REV. No.	DATE	DRAWN BY	CHECKED BY
4	04/28/11	BWS	JMK
5	05/17/11	JCR	JMK

PREPARED IN THE OFFICE OF:  
 Kimley-Horn and Associates, Inc.  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **ULTIMATE SANITARY SEWER PLAN**



HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-06 of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR PHASE 2\019636000\_07\_FINAL2-WATER.dwg Utility Jun 05, 2011 10:31am by: benskidmore

WATER PLAN KEY NOTES:	
(A)	TEE WITH BLOCKING PER DCDWM
(B)	WATER VALVE (TYP.)
(C)	FIRE HYDRANT ASSEMBLY WITH BLOCKING
(D)	45° BEND (TYP.) WITH BLOCKING PER DCDWM
(E)	90° BEND (TYP.) WITH BLOCKING PER DCDWM
(F)	TAPPING SLEEVE AND VALVE
(G)	3" MASTER WATER METER VAULT WITH RPZ AND 6" DDCU ASSEMBLY VAULT
(H)	FIRE DEPARTMENT CONNECTION
(I)	22" BEND (TYP.) WITH BLOCKING PER DCDWM

**GENERAL NOTES:**

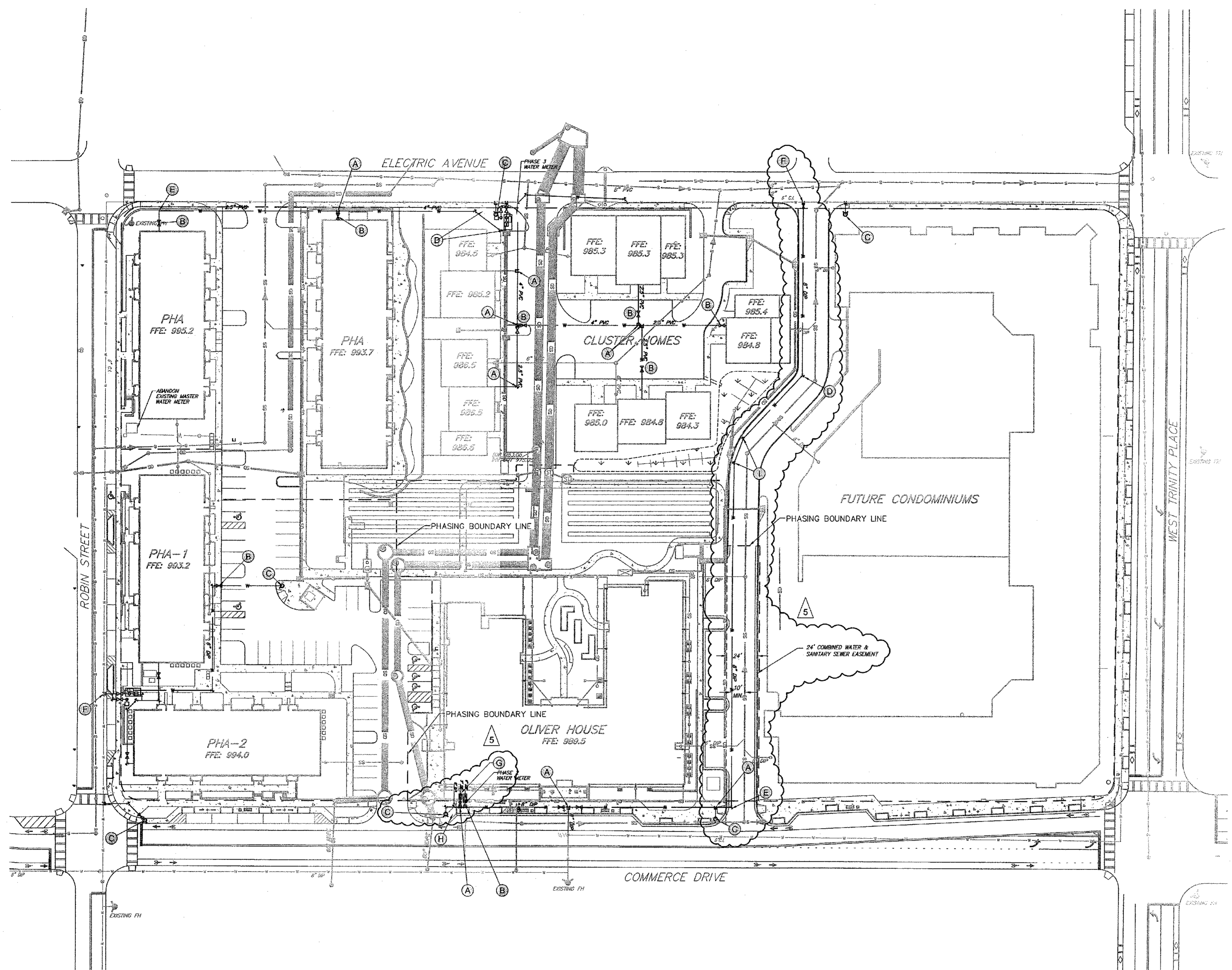
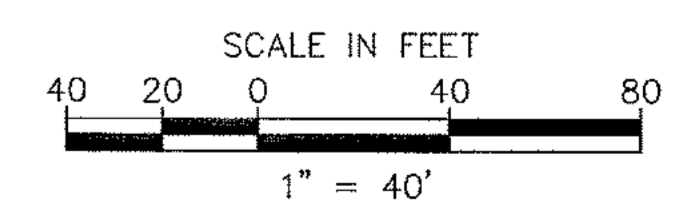
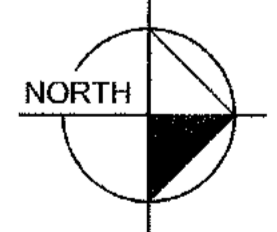
- 1) PROPERTY SIZE: 8.24 AC (358,934 SF)
- 2) THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001. ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.
- 3) ALL BUILDINGS WILL BE SPRINKLERED AS REQUIRED BY FIRE CODE.
- 4) DOMESTIC AND FIRE TO BE SPLIT INSIDE THE BUILDING. REFER TO MEP PLANS FOR DETAILS.
- 5) DOMESTIC AND FIRE BACKFLOW PREVENTION PROVIDED INTERNAL TO BUILDING. REFER TO MEP PLANS FOR DETAILS.
- 6) CONTRACTOR TO USE THRUST BLOCKING ON WATER LINE AT ALL VERTICAL AND HORIZONTAL BENDS ACCORDING TO DCDWM REQUIREMENTS.

**DEKALB COUNTY WATER NOTES:**

- CONTRACTOR SHALL NOTIFY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR AT 770-621-7212 48 HOURS PRIOR TO START OF CONSTRUCTION
- ALL MATERIALS FOR WATER MAIN CONSTRUCTION SHALL MEET AWWA SPECIFICATIONS.
- ONLY DCDWM APPROVED CONTRACTORS SHALL INSTALL WATER MAINS.
- ALL WATER MAINS, VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES TO BE DEDICATED TO OR OWNED BY DCDWM. SHALL BE INSTALLED ACCORDING TO THE APPROVED DESIGN. ALL FIELD CHANGES MUST BE APPROVED BY DCDWM. CONTRACTOR MUST HAVE A SET OF THE APPROVED DESIGN CONTAINING AN ORIGINAL DCDWM STAMP, AND A COPY OF THE DESIGN STANDARDS, MOST CURRENT EDITION, ON SITE AT ALL TIMES.
- ALL MECHANICAL JOINT DUCTILE IRON PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AND MEETING THE LATEST REQUIREMENTS OF AWWA C151A21.51.
- ALL VALVES WHICH ARE TO BE BURIED IN THE GROUND SHALL BE PROVIDED WITH A VALVE BOX AND COVER.
- GATE VALVES SHALL CONFORM TO AWWA C500 (LATEST EDITION) FOR DOUBLE DISC GATE VALVES, OR AWWA C509 (LATEST EDITION) FOR RESILIENT-SEATED GATE VALVES, AND SHALL BE MANUFACTURED BY AMERICAN FLOW CONTROL, US PIPE, MUELLER, CLOW, OR APPROVED EQUAL.
- GATE VALVES SHALL BE HAND OPERATED, NON-RISING STEM, WITH CAST OR DUCTILE IRON BODIES, AND ADAPTED FOR JOINTS AS INDICATED IN THE APPROVED DESIGN DRAWINGS.
- ALL TAPPING SLEEVES MUST COMPLY WITH THE LATEST ANSI STANDARD 200 PSI WORKING PRESSURE FOR WATER MAINS OF 12 INCH DIAMETER OR LARGER AND 150 PSI FOR WATER MAINS OF DIAMETER LESS THAN 12 INCHES. TAPPING SLEEVES SHALL BE CAST IRON OR DUCTILE IRON WITH MECHANICAL JOINT ENDS.
- FIRE HYDRANTS SHALL BE MANUFACTURED IN FULL COMPLIANCE WITH AWWA STANDARDS FOR DRY-BARREL FIRE HYDRANTS, AWWA C502, AND AS HEREIN AMENDED. ONLY THE FOLLOWING HYDRANTS ARE APPROVED FOR USE IN DEKALB COUNTY: AMERICAN DARLING 884B, MANGH STYLE 125, MUELLER A-423, CLOW MEDALLION, US PIPE METROPOLITAN M44, OR WATEROUS W867-250. FOLLOW FIRE HYDRANT INSTALLATION STANDARD PROVIDED IN CONSTRUCTION DETAILS (W-904).
- REFER TO CONSTRUCTION DETAILS OR DCDWM DESIGN STANDARDS FOR ALL TRENCH EXCAVATION DETAILS.
- BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH GDOT STANDARD SPECIFICATION SECTION 812, TYPE II FOUNDATION BACKFILL.
- ALL DEVICES ARE TO BE PROGRAMMED AND INSTALLED IN ACCORDANCE WITH THE BLOCKING ACCORDING TO DCDWM SPECIFICATION. SEE BLOCKING DETAILS IN CONSTRUCTION DETAILS OR DCDWM DESIGN STANDARDS 2009 EDITION, VERSION 1.0.
- MINIMUM COVER ON TOP OF WATER LINE IS 4 FEET.

**LEGEND:**

	PROPERTY LINE		SANITARY SEWER MANHOLE
	EASEMENT LINE		STORM LINE MANHOLE
	WATER LINE		STORM DRAIN DROP INLET
	STORM SEWER LINE		STORM DRAIN CURB INLET
	EXISTING SANITARY SEWER		STORM DRAIN CATCH BASIN
	PROPOSED SANITARY SEWER		STORM DRAIN YARD INLET
	CONCRETE		TEE
			WATER VALVE



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REV. NO.	DATE	DRAWN BY	CHECKED BY
2	02/21/11	BWS	JMK
3	03/15/11	BWS	JMK
4	04/29/11	BWS	JMK
5	05/17/11	JCR	JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **ULTIMATE WATER PLAN**

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

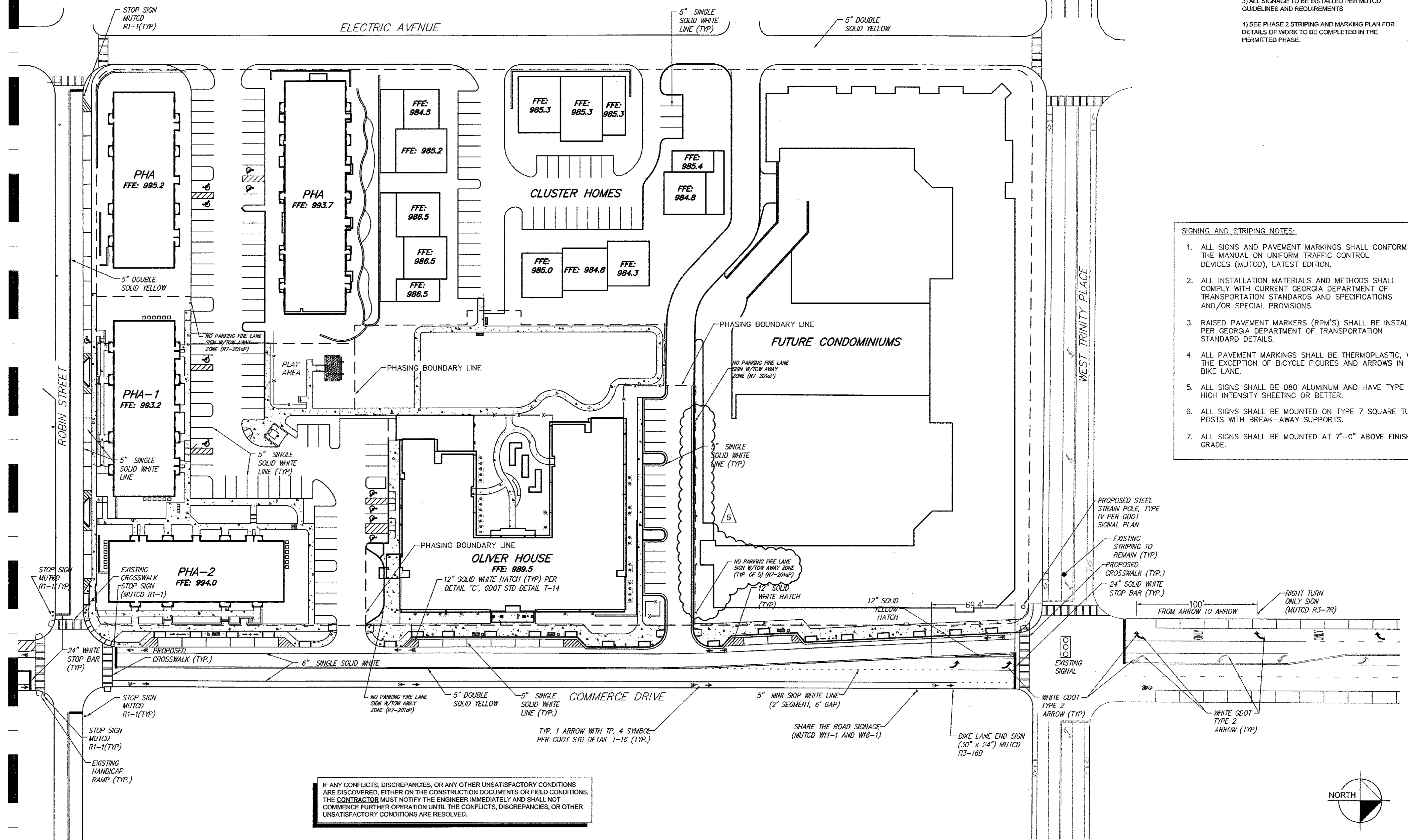
DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-07 of 35



Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace CADD\CONSTR\PHASE 2\019636000\_09\_FINAL2-SIGNING AND MARKING (New).dwg SITE Jun 06, 2011 10:31am by: ben.skidmore

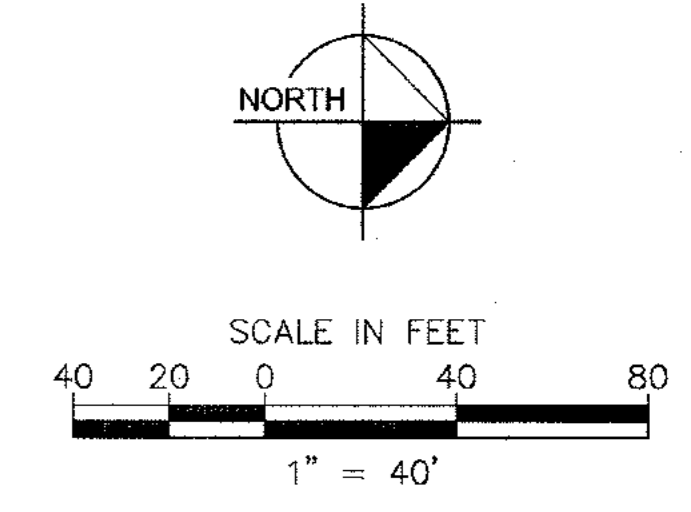
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  - 3) ALL SIGNAGE TO BE INSTALLED PER MUTCD GUIDELINES AND REQUIREMENTS
  - 4) SEE PHASE 2 STRIPING AND MARKING PLAN FOR DETAILS OF WORK TO BE COMPLETED IN THE PERMITTED PHASE.

MATCHLINE  
SEE SHEET C-09



- SIGNING AND STRIPING NOTES:**
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
  2. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
  3. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS.
  4. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, WITH THE EXCEPTION OF BICYCLE FIGURES AND ARROWS IN THE BIKE LANE.
  5. ALL SIGNS SHALL BE 080 ALUMINUM AND HAVE TYPE 3 HIGH INTENSITY SHEETING OR BETTER.
  6. ALL SIGNS SHALL BE MOUNTED ON TYPE 7 SQUARE TUBE POSTS WITH BREAK-AWAY SUPPORTS.
  7. ALL SIGNS SHALL BE MOUNTED AT 7'-0" ABOVE FINISHED GRADE.

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.



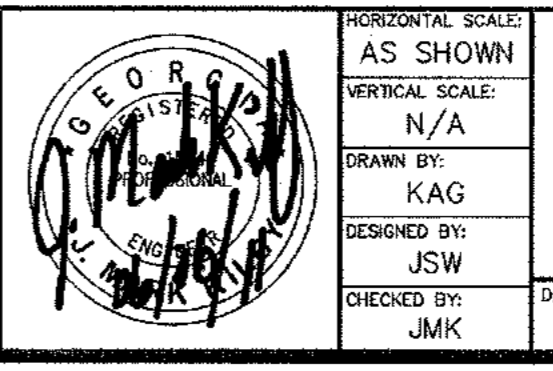
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	05/17/11	JCR	JMK
REV. No.		DATE	DRAWN BY	CHECKED BY

PREPARED IN THE OFFICE OF:

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 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **ULTIMATE SIGNING AND MARKING PLAN**



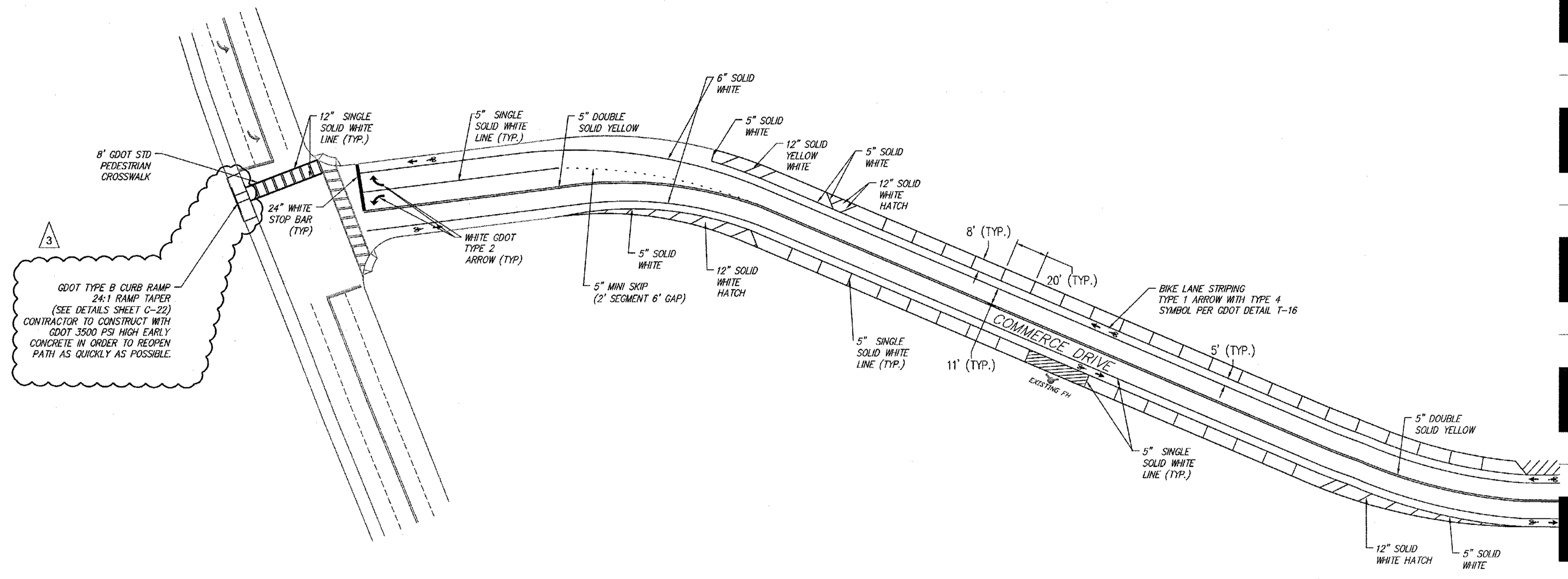
AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01 - 27 - 11 JOB NUMBER: 019636000 SHEET NUMBER: C-08 OF 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CONSTR\PHASE 2\019636000\_09\_FINAL2-SIGNING AND MARKING (New).dwg HOWARD Apr 29, 2011 9:50am by: ben.siddmore

- SIGNING AND STRIPING NOTES:**
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
  2. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
  3. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS.
  4. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, WITH THE EXCEPTION OF BICYCLE FIGURES AND ARROWS IN THE BIKE LANE.
  5. ALL SIGNS SHALL BE 080 ALUMINUM AND HAVE TYPE 3 HIGH INTENSITY SHEETING OR BETTER.
  6. ALL SIGNS SHALL BE MOUNTED ON TYPE 7 SQUARE TUBE POSTS WITH BREAK-AWAY SUPPORTS.
  7. ALL SIGNS SHALL BE MOUNTED AT 7'-0" ABOVE FINISHED GRADE.

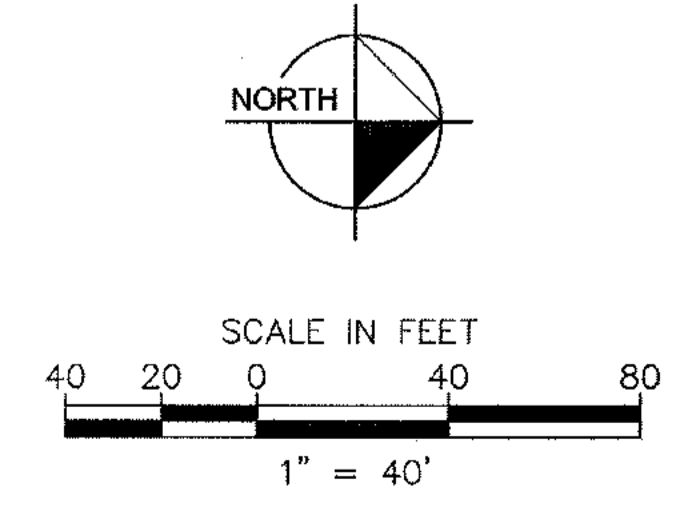


MATCHLINE  
SEE SHEET C-08



IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

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REV. NO.	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	DATE	DRAWN BY	CHECKED BY
3		03/15/11	BWS	JMK

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**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

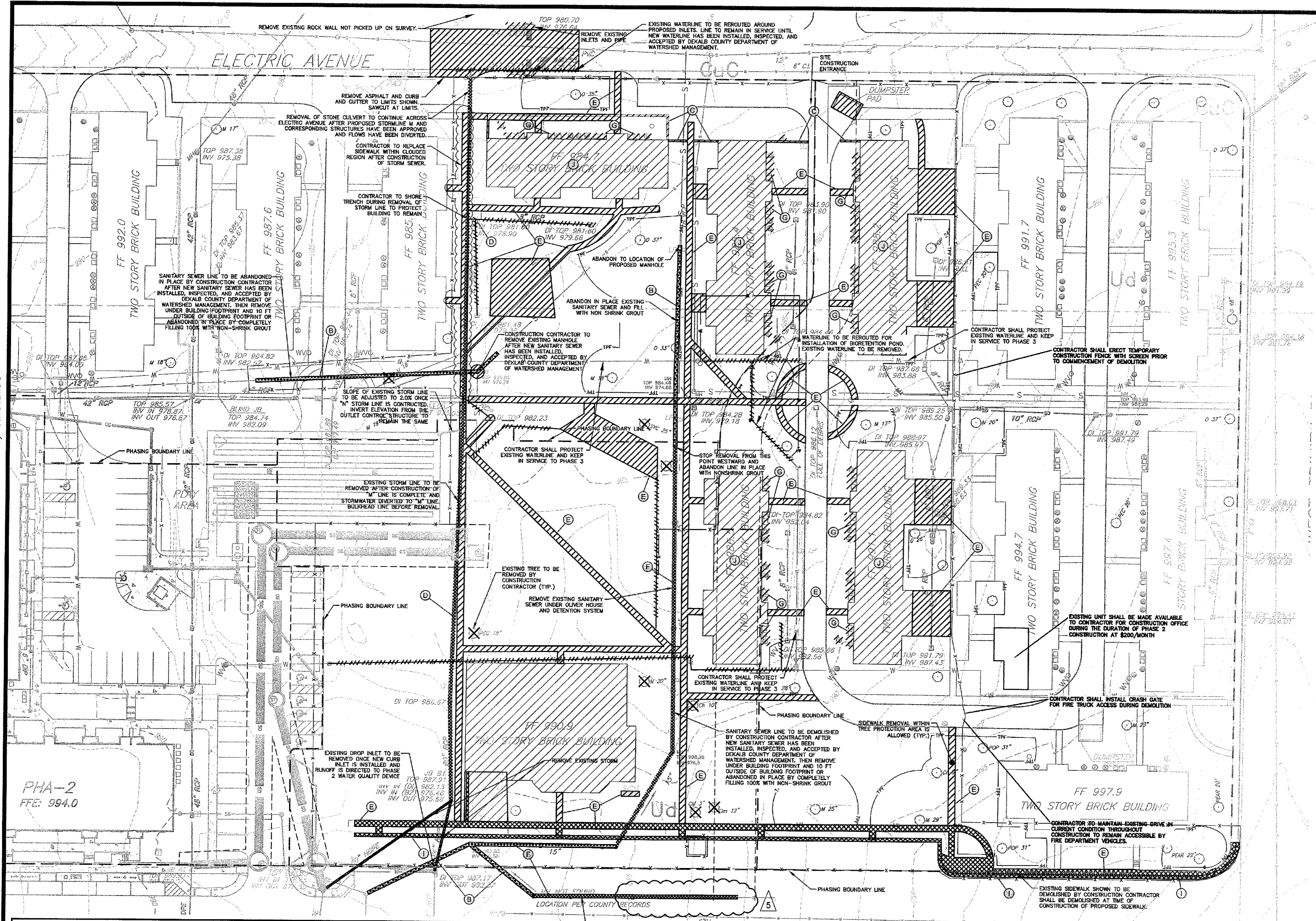
CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **OFF-SITE SIGNING AND MARKING PLAN**

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11	JOB NUMBER: 019636000	SHEET NUMBER: C-09 of 35
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Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson\_Terrace\CADD\CONSTR\PHASE 2\019636000\_10\_P2-DEMOC.dwg Ex-Demo Jun 06, 2011 10:31am by: ben.aldredmore



**DEMOLITION KEY NOTES:**

- (A) DEMOLISH UTILITY
- (B) ABANDON UTILITY IN PLACE
- (C) DEMOLISH EXISTING WALL
- (D) REMOVE EXISTING STORM DRAIN AND PIPE
- (E) DEMOLISH EXISTING SIDEWALK
- (F) REMOVE EXISTING SANITARY SEWER CLEANOUT AND CAP
- (G) REMOVE EXISTING HVAC UNIT
- (H) NOT USED
- (I) REMOVE EXISTING CURB
- (J) BACKFILL/GRADE BUILDING FOUNDATIONS TO DRAIN (SEE NOTE 4)

**EXISTING CONDITIONS LEGEND:**

- PROPERTY LINE
- WATER LINE
- S STORM SEWER LINE
- SS SANITARY SEWER LINE
- CL CHAIN LINK FENCE
- DI EXISTING DROP INLET
- MH EXISTING SANITARY SEWER MANHOLE
- HW EXISTING WATER VALVE
- FH EXISTING FIRE HYDRANT
- TP EXISTING TRANSFORMER
- LP LIGHT POLE
- AC AIR CONDITIONING UNIT
- CLEANTOUT
- CLEANTOUT PROPOSED (NOT FOUND)

**GENERAL NOTES:**

PROPERTY SIZE: 8.24 AC (368,934 SF)

--- TYP --- TREE PROTECTION FENCE (SEE DETAIL, THIS SHEET)

DEMOLITION PHASE 2 - PRIOR TO NEW CONSTRUCTION

DEMOLITION PHASE 2 - DURING NEW CONSTRUCTION

ABANDON UTILITY IN PLACE

**NOTES:**

A) EXISTING SOIL SERIES IS Ud (URBAN LAND)/CUC FOR ENTIRE DISTURBED AREA.

B) CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR ALL TREE REMOVAL.

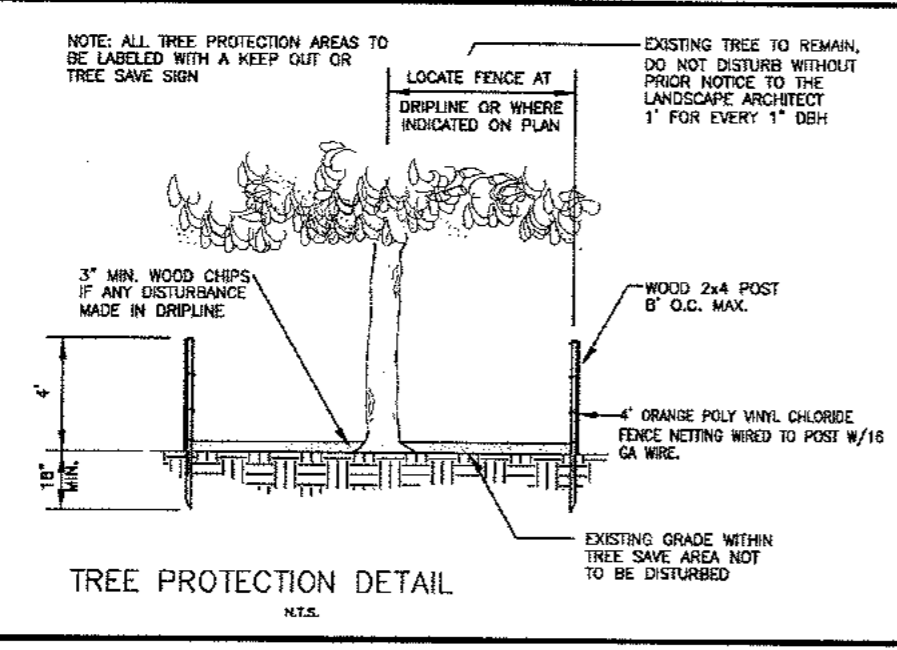
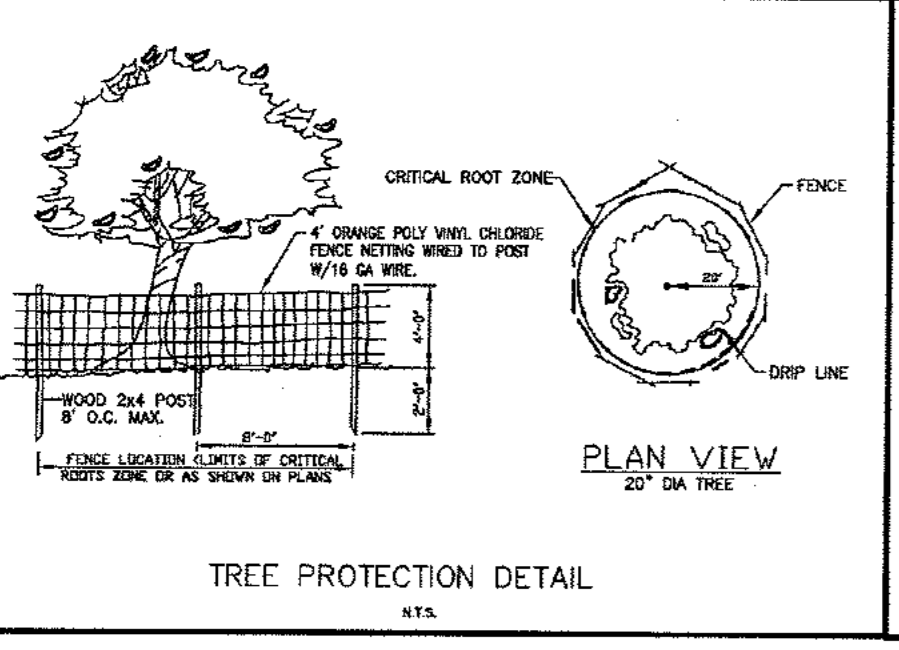
C) ALL TREES MUST BE PROTECTED WITHIN LIMITS OF DISTURBANCE FOR DEMOLITION PHASE. TREES TO REMAIN MUST BE PROTECTED DURING CONSTRUCTION PHASE.

- NOTES:**
1. CONSTRUCTION FENCING OR SILT FENCE SHALL NOT OBSTRUCT TRAFFIC FLOW ON EXISTING STREETS. ALL 50D'S IN EXISTING STREETS SHALL BE TRIANGULAR SILT DIKE TO ALLOW FOR TRAFFIC FLOW.
  2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TEMPORARY AND PERMANENT RELOCATION OF EXISTING DUMPSTERS WITH THE CITY OF DECATUR SANITATION SERVICES.
  3. CONTRACTOR SHALL DETERMINE IN THE FIELD IF ANY ADDITIONAL UTILITY DISCONNECTION, RELOCATIONS, OR ABANDONMENTS ARE REQUIRED. CONTRACTOR SHALL ENSURE THAT UTILITIES FOR THE BUILDINGS TO REMAIN ARE NOT AFFECTED.
  4. CONTRACTOR TO ROUGH GRADE, RESHAPE AND/OR BACKFILL EXISTING BUILDING FOUNDATIONS WITH SUITABLE OFF-SITE FILL MATERIAL TO DRAIN TO ADJACENT INLETS AT MINIMUM 2% SLOPE. ANY FILL MATERIAL PLACED SHALL BE COMPACTED TO 98% STANDARD PROCTOR (ASTM D698) AS OBSERVED AND APPROVED BY THE GEOTECHNICAL CONSULTANT.
  5. THE OWNER MAY ELECT TO DIRECT CONTRACTOR TO CRUSH CONCRETE BUILDING FOUNDATIONS AND SLABS AND REUSE ON SITE AS ADD-ALTERNATE.

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

**NOTE:** RECEIPT OF ALL PERMITS AND APPROVALS IS REQUIRED BEFORE ANY CONSTRUCTION ACTIVITY.

CONTRACTOR SHALL PREPARE A PROJECT NOTIFICATION FOR ASBESTOS RENOVATION, ENCAPSULATION OR DEMOLITION FORM AND SUBMIT TO THE EPD ASBESTOS PROGRAM A MINIMUM OF 10 DAYS BEFORE DEMOLITION BEGINS OR AS REQUIRED BY LAW. THE FORM SHALL BE PREPARED AND ASBESTOS STUDY COMPLETE, MEETING EPD AND LOCAL REQUIREMENTS. ALL OTHER ENVIRONMENTAL INVESTIGATIONS NEEDED OR REQUIRED BY LAW SHALL BE PERFORMED PRIOR TO DEMOLITION AND RECOMMENDATIONS FOR REMEDIATION SHALL BE REVIEWED BY ENGINEER AND OWNER. COSTS ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACTORS BID.



CONTRACTOR SHALL ARRANGE FOR CITY OF DECATUR PRE-CONSTRUCTION CONFERENCE AND SHALL NOT START DEMOLITION UNTIL CONFERENCE HAS BEEN CONDUCTED. CONTRACTOR SHALL NOT DEMOLITION UNTIL PHASE 1 EROSION, SEDIMENTATION, AND POLLUTION CONTROL BMP'S ARE IN PLACE AND INSPECTED BY ENGINEER.

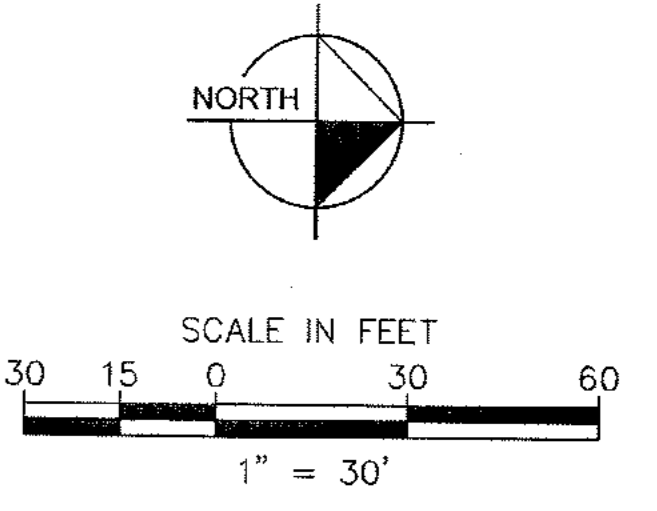
CONTRACTOR SHALL PROTECT EXISTING ELECTRICAL SERVICE AND KEEP IN SERVICE TO PHASE 3

CONTRACTOR SHALL PROTECT SITE LIGHTING NOT SCHEDULED TO BE REMOVED AND KEEP IN SERVICE.

NOTE THAT DEMOLITION AREA INCLUDES EXISTING ABANDONED WATER MAINS AND GAS MAINS.



Know what's below.  
Call before you dig.



2	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE- ADDENDUM 2	02/21/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
4	REVISIONS PER CITY OF DECATUR COMMENTS / IDEKALB COUNTY COMMENTS	04/28/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / IDEKALB COUNTY COMMENTS	05/17/11	JCR	JMK

REV. No. | DATE | DRAWN BY | CHECKED BY

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 EXISTING CONDITIONS AND DEMOLITION PLAN**

HORIZONTAL SCALE: AS SHOWN  
VERTICAL SCALE: N/A  
DRAWN BY: KAG  
DESIGNED BY: JSW  
CHECKED BY: JMK

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01 - 27 - 11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-10 OF 35

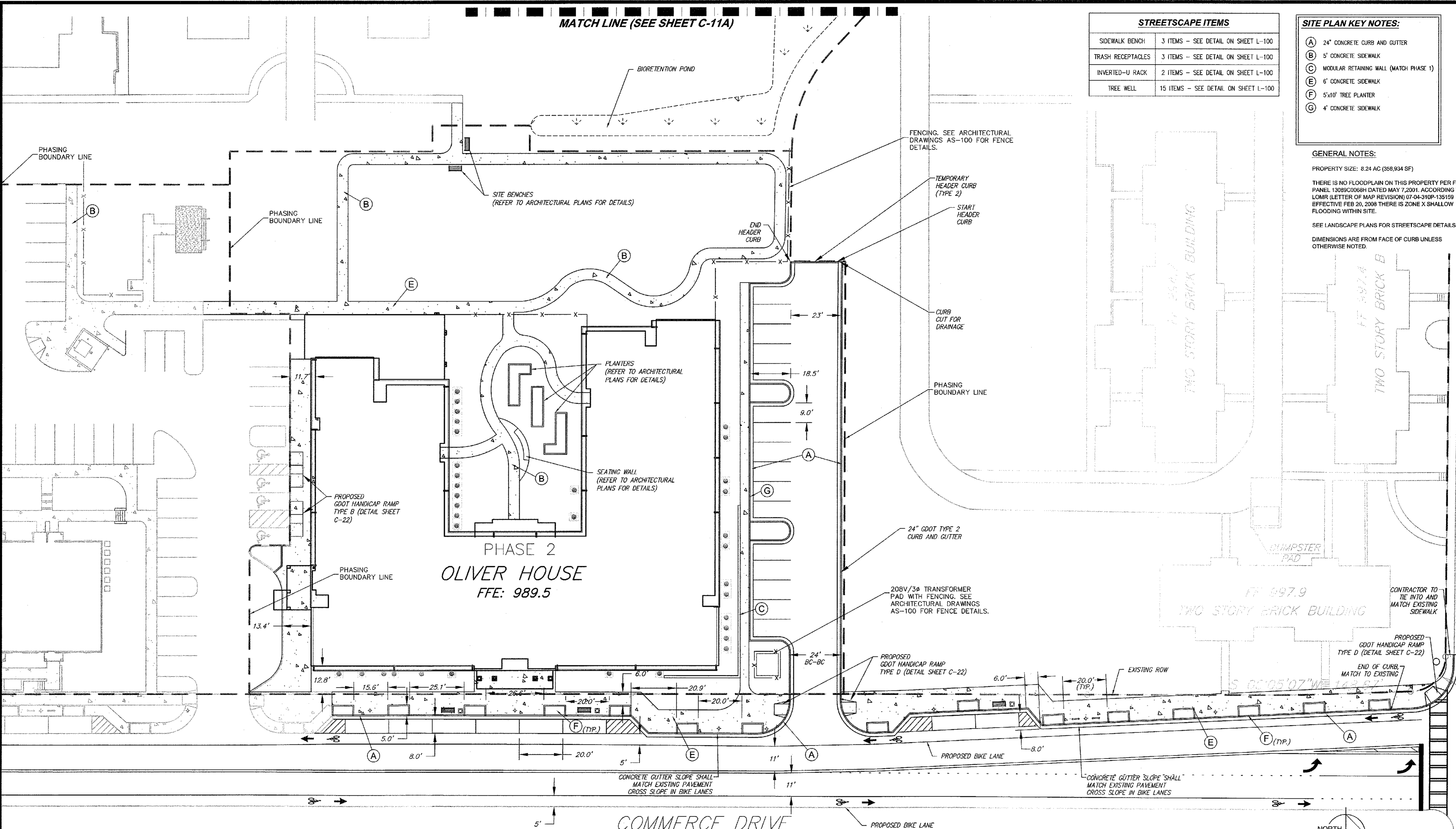
MATCH LINE (SEE SHEET C-11A)

STREETSCAPE ITEMS	
SIDEWALK BENCH	3 ITEMS - SEE DETAIL ON SHEET L-100
TRASH RECEPTACLES	3 ITEMS - SEE DETAIL ON SHEET L-100
INVERTED-U RACK	2 ITEMS - SEE DETAIL ON SHEET L-100
TREE WELL	15 ITEMS - SEE DETAIL ON SHEET L-100

SITE PLAN KEY NOTES:	
(A)	24" CONCRETE CURB AND GUTTER
(B)	5' CONCRETE SIDEWALK
(C)	MODULAR RETAINING WALL (MATCH PHASE 1)
(E)	6' CONCRETE SIDEWALK
(F)	5'x10' TREE PLANTER
(G)	4' CONCRETE SIDEWALK

**GENERAL NOTES:**  
 PROPERTY SIZE: 8.24 AC (358,934 SF)  
 THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001, ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.  
 SEE LANDSCAPE PLANS FOR STREETSCAPE DETAILS.  
 DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.

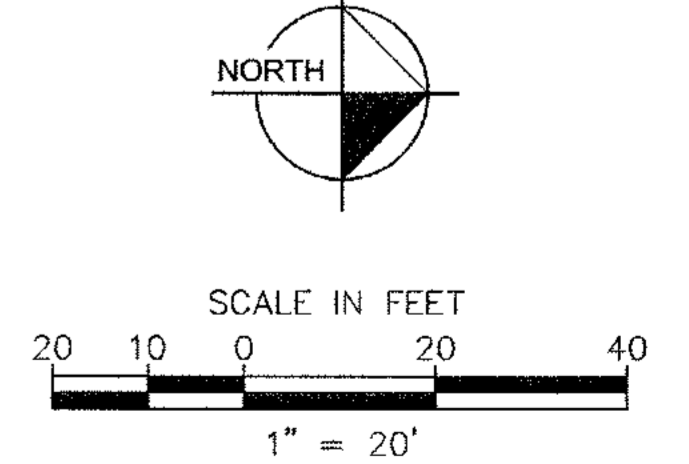
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Know what's below.  
Call before you dig.

NOTE:  
BUILDING SETBACKS WERE APPROVED WITH REZONING APPROVAL RECEIVED ON SEPTEMBER 17, 2007.

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.



REV. No.	DATE	DRAWN BY	CHECKED BY
2	02/21/11	BWS	JMK
3	03/15/11	BWS	JMK
4	05/17/11	JCR	JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 LAYOUT PLAN**

HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01 - 27 - 11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-11 OF 35

- SITE PLAN KEY NOTES:**
- (A) 24" CONCRETE CURB AND GUTTER
  - (B) 5' CONCRETE SIDEWALK
  - (C) MODULAR RETAINING WALL (MATCH PHASE 1)
  - (E) 6' CONCRETE SIDEWALK
  - (F) 5'x10' TREE PLANTER
  - (G) 4' CONCRETE SIDEWALK
  - (H) BRICK PAVERS (SEE LA PLANS FOR DETAILS)

**GENERAL NOTES:**

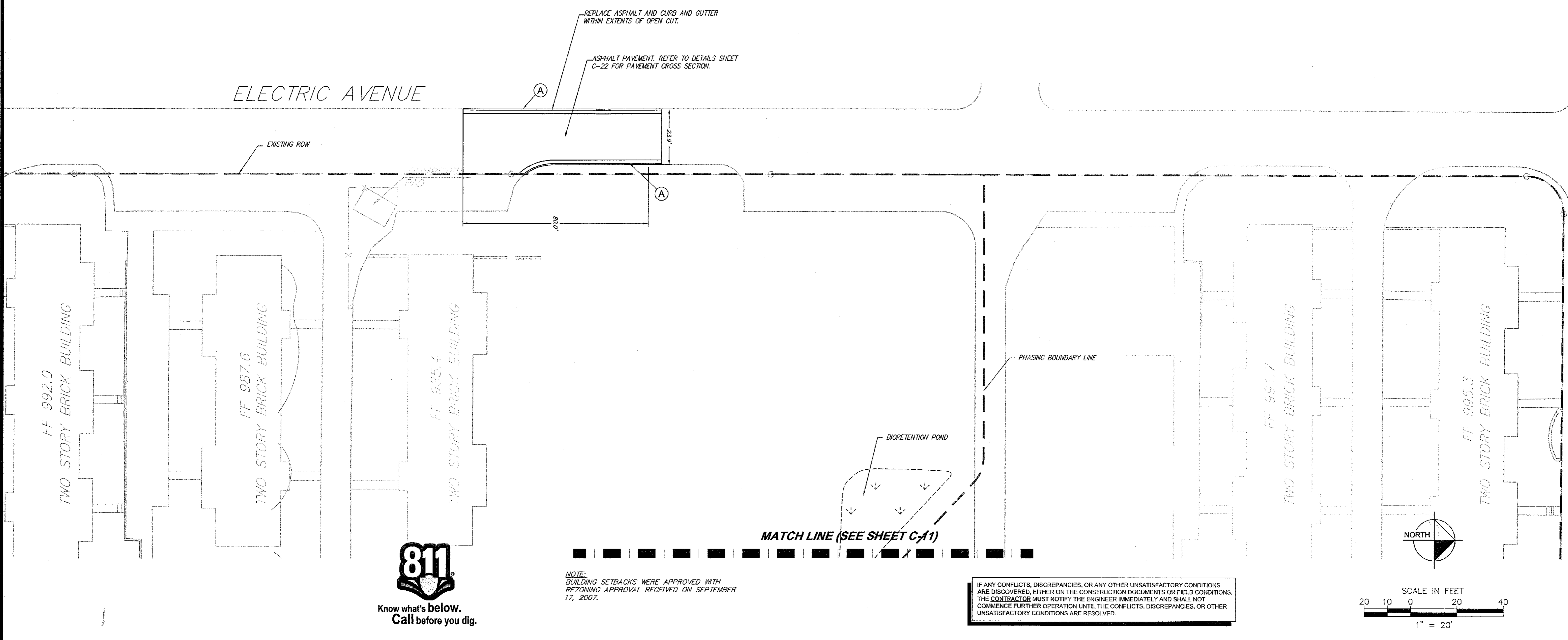
PROPERTY SIZE: 8.24 AC (358,934 SF)

THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 130892366H DATED MAY 7, 2001. ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.

SEE LANDSCAPE PLANS FOR STREETSCAPE DETAILS.

DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\GADD\CONSTR\PHASE 2\019636000\_11\_P2\_LAYOUT.dwg P2 Layout (2) Jun 06, 2011 10:36am by: ben.skidmore



2	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE-ADDENDUM 2	02/21/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
REV. No.:		DATE:	DRAWN BY:	CHECKED BY:

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 LAYOUT PLAN**

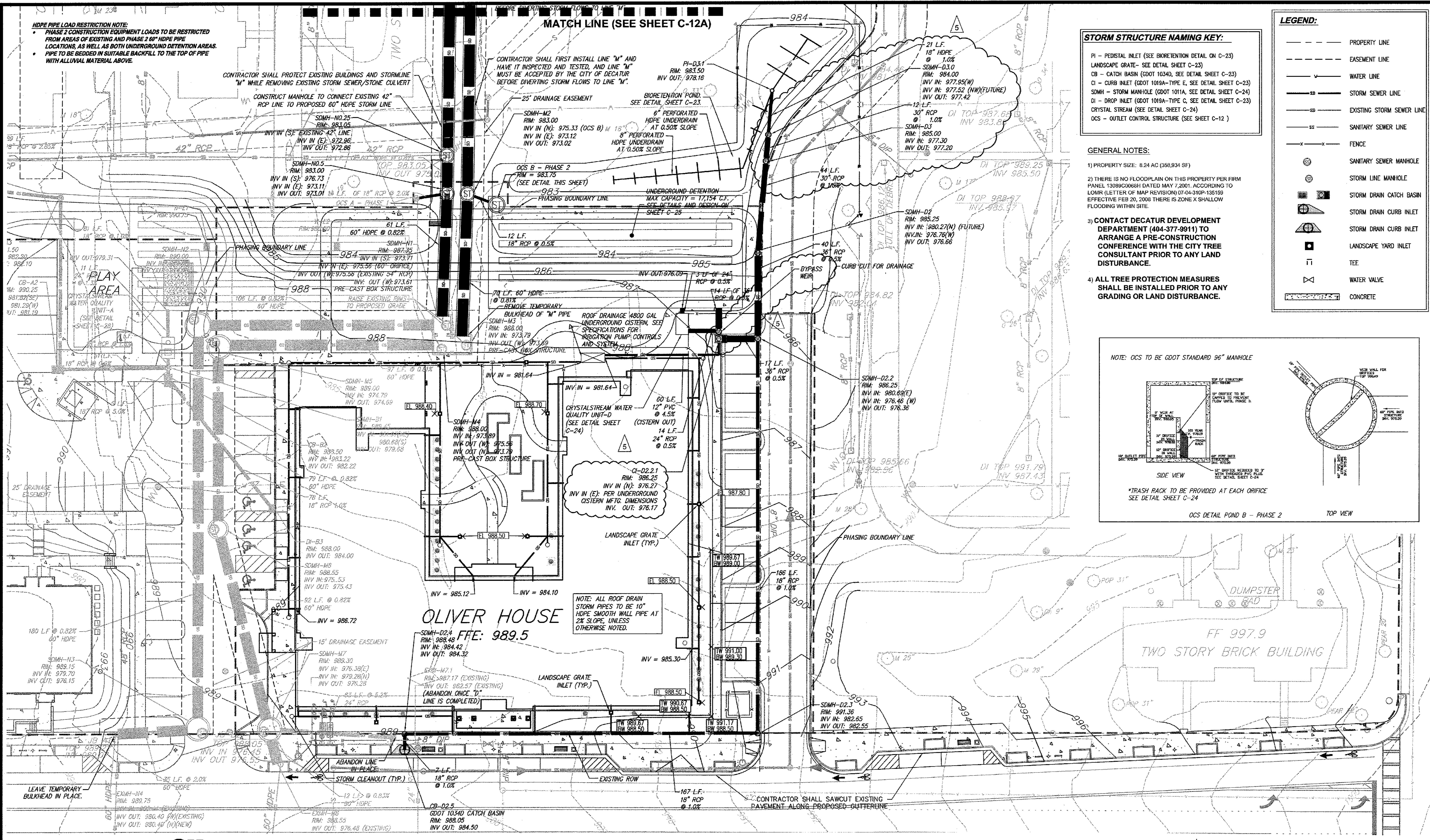
PROFESSIONAL ENGINEER  
MARK KIMLEY

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**

LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01 - 27 - 11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-11A of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\_CADD\CONSTR\PHASE 2\019636000\_12\_P2-GRADING.dwg Grading Jun 15, 2011 10:43:00 am by: ben.skidmore



**HDPE PIPE LOAD RESTRICTION NOTE:**  
PHASE 2 CONSTRUCTION EQUIPMENT LOADS TO BE RESTRICTED FROM AREAS OF EXISTING AND PHASE 2 60" HDPE PIPE LOCATIONS, AS WELL AS BOTH UNDERGROUND DETENTION AREAS. PIPE TO BE BEDDED IN SUITABLE BACKFILL TO THE TOP OF PIPE WITH ALLUVIAL MATERIAL ABOVE.

CONTRACTOR SHALL PROTECT EXISTING BUILDINGS AND STORMLINE "M" WHILE REMOVING EXISTING STORM SEWER/STONE CULVERT  
CONSTRUCT MANHOLE TO CONNECT EXISTING 42" RCP LINE TO PROPOSED 60" HDPE STORM LINE

CONTRACTOR SHALL FIRST INSTALL LINE "M" AND HAVE IT INSPECTED AND TESTED, AND LINE "M" MUST BE ACCEPTED BY THE CITY OF DECATUR BEFORE DIVERTING STORM FLOWS TO LINE "M".

25' DRAINAGE EASEMENT  
SDMH-M2  
RIM: 983.00  
INV IN (N): 975.33 (OCS B) M 12"  
INV IN (E): 973.12  
INV OUT: 973.02

BIORETENTION POND  
SEE DETAIL SHEET C-23  
6" PERFORATED HDPE UNDERDRAIN AT 0.50% SLOPE  
8" PERFORATED HDPE UNDERDRAIN AT 0.50% SLOPE

21 L.F.  
18" HDPE  
SDMH-D3.0  
RIM: 984.00  
INV IN: 977.95(W)  
INV IN: 977.52(NW/FUTURE)  
INV OUT: 977.42

SDMH-D2  
RIM: 985.25  
INV IN: 980.27(N) (FUTURE)  
INV IN: 976.76(W)  
INV OUT: 976.66

SDMH-D3  
RIM: 985.00  
INV IN: 977.30  
INV OUT: 977.20

SDMH-M1  
RIM: 987.35  
INV IN (S): 973.71  
INV IN (E): 975.36 (EXISTING 54" RCP)  
INV OUT (W): 973.61  
INV OUT (N): 973.61

SDMH-M2  
RIM: 988.00  
INV IN (S): 974.79  
INV IN (E): 974.99  
INV OUT: 974.99

SDMH-M3  
RIM: 988.00  
INV IN (S): 974.79  
INV IN (E): 974.99  
INV OUT: 974.99

SDMH-M4  
RIM: 988.00  
INV IN (S): 974.79  
INV IN (E): 974.99  
INV OUT: 974.99

SDMH-M5  
RIM: 988.00  
INV IN (S): 974.79  
INV IN (E): 974.99  
INV OUT: 974.99

SDMH-M6  
RIM: 988.00  
INV IN (S): 974.79  
INV IN (E): 974.99  
INV OUT: 974.99

SDMH-M7  
RIM: 988.00  
INV IN (S): 974.79  
INV IN (E): 974.99  
INV OUT: 974.99

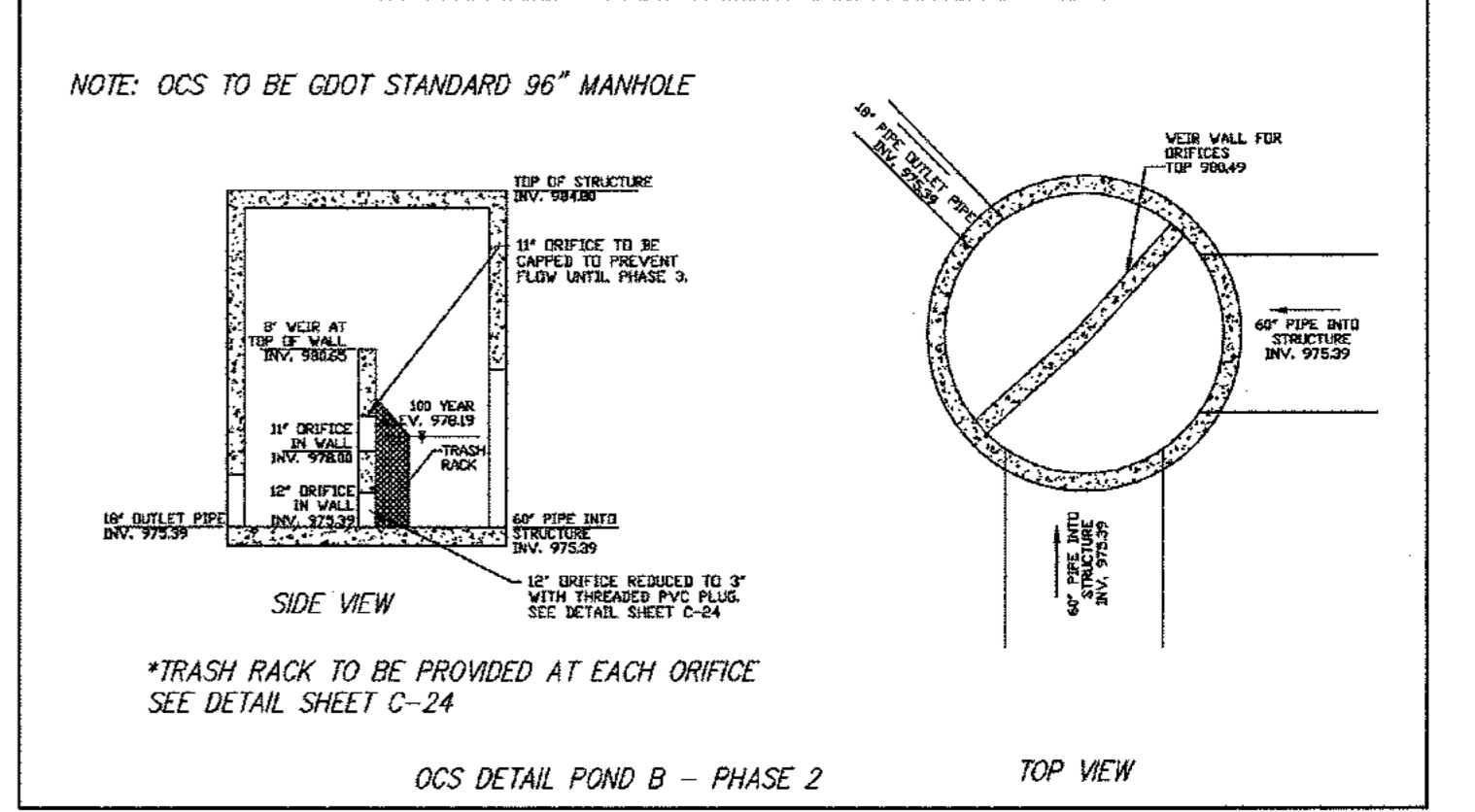
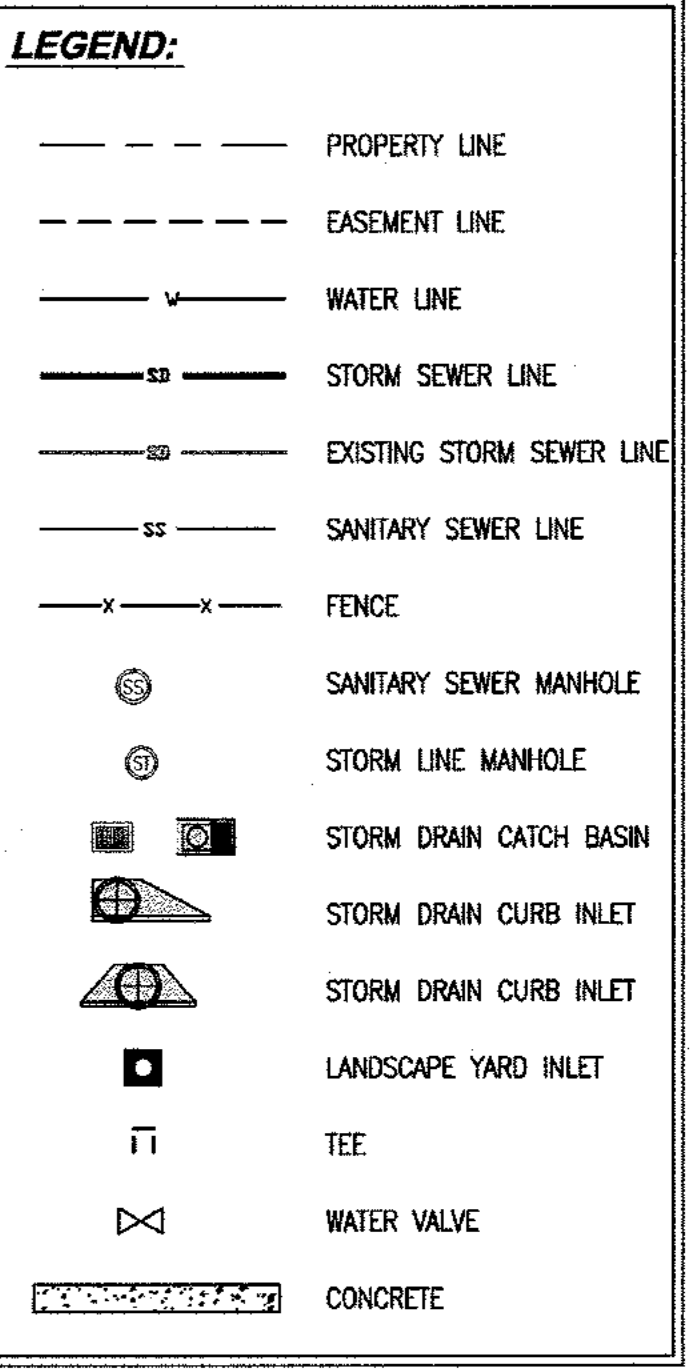
CRYSTALSTREAM WATER 12" PVC QUALITY UNIT-D (CISTERN OUT)  
INV IN = 981.64  
INV OUT (W) = 975.55  
INV OUT (N) = 973.79  
PRE-CAST BOX STRUCTURE

NOTE: ALL ROOF DRAIN STORM PIPES TO BE 10" HDPE SMOOTH WALL PIPE AT 2% SLOPE, UNLESS OTHERWISE NOTED.

OLIVER HOUSE  
FFE: 989.5

**STORM STRUCTURE NAMING KEY:**  
PI - PEDISTAL INLET (SEE BIORETENTION DETAIL ON C-23)  
LCS - LANDSCAPE GRATE - SEE DETAIL SHEET C-23  
CB - CATCH BASIN (GDOT 10340, SEE DETAIL SHEET C-23)  
CI - CURB INLET (GDOT 1019A-TYPE E, SEE DETAIL SHEET C-24)  
SDMH - STORM MANHOLE (GDOT 1011A, SEE DETAIL SHEET C-24)  
DI - DROP INLET (GDOT 1019A-TYPE C, SEE DETAIL SHEET C-23)  
CS - CRYSTAL STREAM (SEE DETAIL SHEET C-24)  
OCS - OUTLET CONTROL STRUCTURE (SEE SHEET C-12)

**GENERAL NOTES:**  
1) PROPERTY SIZE: 8.24 AC (368,934 SF)  
2) THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL #30896000H DATED MAY 7, 2007, ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.  
3) CONTACT DECATUR DEVELOPMENT DEPARTMENT (404-377-9911) TO ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH THE CITY TREE CONSULTANT PRIOR TO ANY LAND DISTURBANCE.  
4) ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY GRADING OR LAND DISTURBANCE.



NOTE: CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT ALONG PROPOSED GUTTERLINE

NOTE: CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. ASBUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.

NOTE: PROPERTY OWNER IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF STORMWATER COLLECTION/CONVEYANCE SYSTEM AND WATER QUALITY TREATMENT, STORAGE SYSTEMS AND DEVICES.



REV. NO.	DATE	BY	CHKD BY	DESCRIPTION
3	02/15/11	BWS	JMK	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION
4	04/28/11	BWS	JMK	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS
5	05/17/11	JCR	JMK	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS

PREPARED IN THE OFFICE OF:  
**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305  
TITLE: **PHASE 2 GRADING PLAN**

DESIGNED BY: JSW  
CHECKED BY: JMK  
DATE: 01-27-11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-12 OF 35

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_12\_P2-GRADING.dwg Grading (2) Jun 06, 2011 10:37am by: ben.skidmore

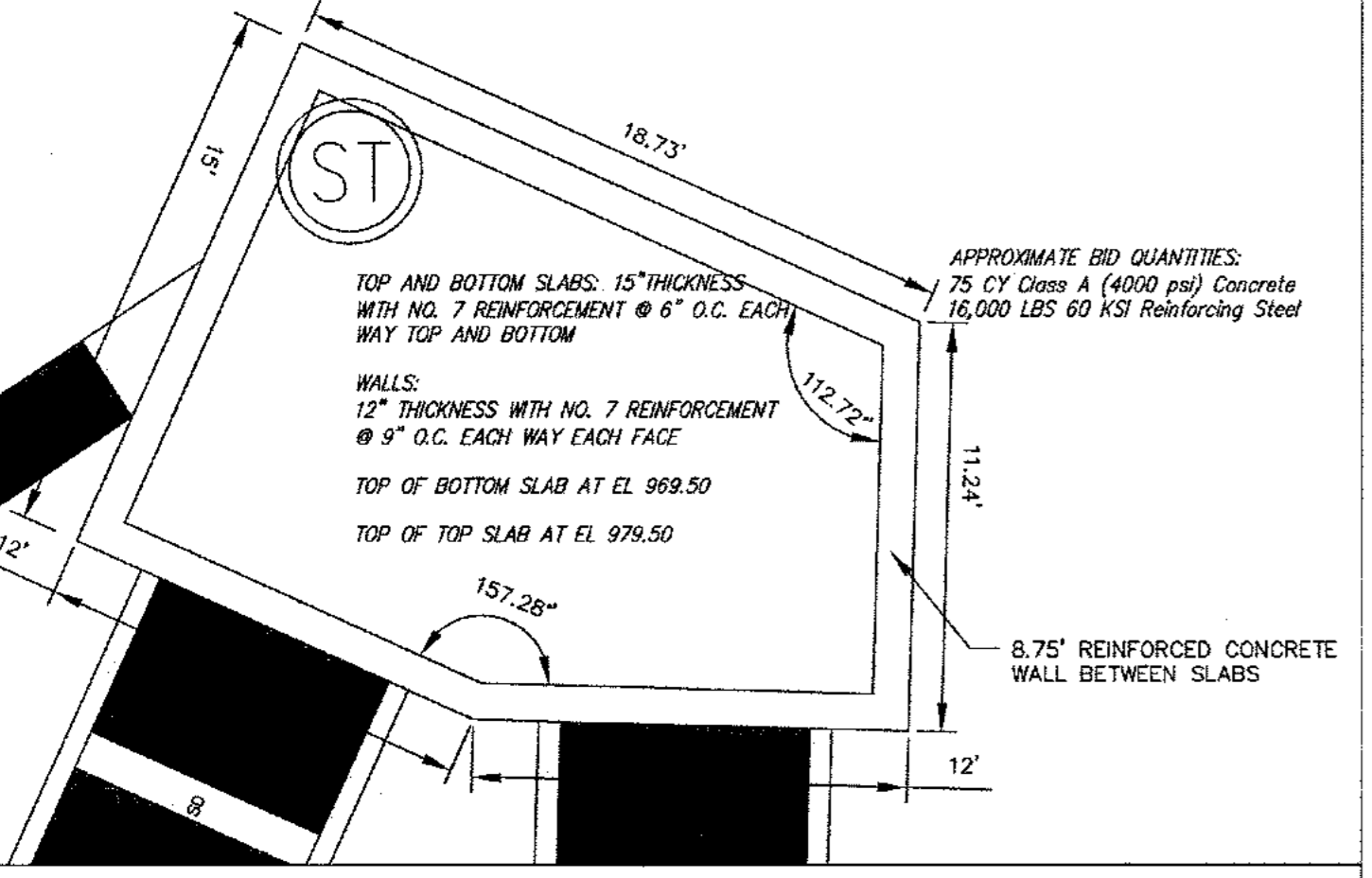
**NOTES:**  
 1. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STABILITY OF ANY TEMPORARY SLOPES OR TEMPORARY SHORING THAT MAY BE REQUIRED TO INSTALL THE STRUCTURE. ANY TEMPORARY SHORING REQUIRED SHALL BE DESIGNED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA.  
 2. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF ACI-308, SPECIFICATIONS FOR STRUCTURAL CONCRETE REGISTERED IN THE STATE OF GEORGIA.  
 3. CONCRETE SHALL BE SUPPLIED TO ALL REQUIREMENTS OF THE LATEST EDITION OF ACI-308, SPECIFICATIONS FOR STRUCTURAL CONCRETE REGISTERED IN THE STATE OF GEORGIA. CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI AND SHALL INCLUDE ENHANCED AIR IN ACCORDANCE WITH ACI 301 FOR MODERATE EXPOSURE. CONCRETE MIX DESIGN FOR ALL CONCRETE WORK IS REQUIRED TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. THE CONCRETE SUPPLIER SHALL HAVE A QUALITY CONTROL PROCEDURE FOR THE PRODUCTION OF ALL CONCRETE, WHICH MEETS CURRENT ACI AND ASTM STANDARDS.  
 4. DETAILING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI DETAILING MANUAL AND CONCRETE REINFORCING INSTITUTE'S LATEST EDITION OF MANUAL OF STANDARD PRACTICE. ALL SHOP DRAWINGS PERTAINING TO REINFORCING STEEL DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.  
 5. REINFORCING STEEL WITH GRADE 60 REINFORCING THAT REQUIRES WELDING SHALL BE ASTM A603.  
 6. ALL LAP SPICES SHALL BE 50 X BAR DIAMETERS UNLESS OTHERWISE NOTED.  
 7. BAR SUPPORTS, DESIGN, DETAILING, FABRICATION AND PLACEMENT OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318-02 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE) AND ACI 318-09 (DETAILING MANUAL).  
 8. STRUCTURE BACKFILL MATERIALS SHOULD BE COMPACTED TO AT LEAST 95% OF THE SOIL'S STANDARD PROCTOR MAXIMUM DRY DENSITY. DO NOT PLACE BACKFILL AT WALLS UNTIL THE TOP SLAB HAS BEEN PLACED AND REACHED STRENGTH.  
 9. WALL BACKFILL MATERIALS PLACED WITHIN A DISTANCE OF 4 FEET OF THE STRUCTURE SHALL BE COMPACTED WITH HAND OPERATED EQUIPMENT.

**NOTE:** SURVEY DATA ON EAST SIDE OF ELECTRIC AVENUE WAS PREPARED BY TECHNICAL SURVEY SERVICE DATED JULY 24, 2007. AREA WEST OF ELECTRIC AVENUE IS A PORTION OF SURVEY BY CAMP & ASSOCIATES LAND SURVEYING, P.C. DATED 5/21/2010. IT IS USED ONLY FOR THE PEAVINE CREEK INTERIM DRAINAGE IMPROVEMENTS ACROSS ELECTRIC AND IS NOT TO BE USED FOR ANY OTHER ONSITE IMPROVEMENTS.

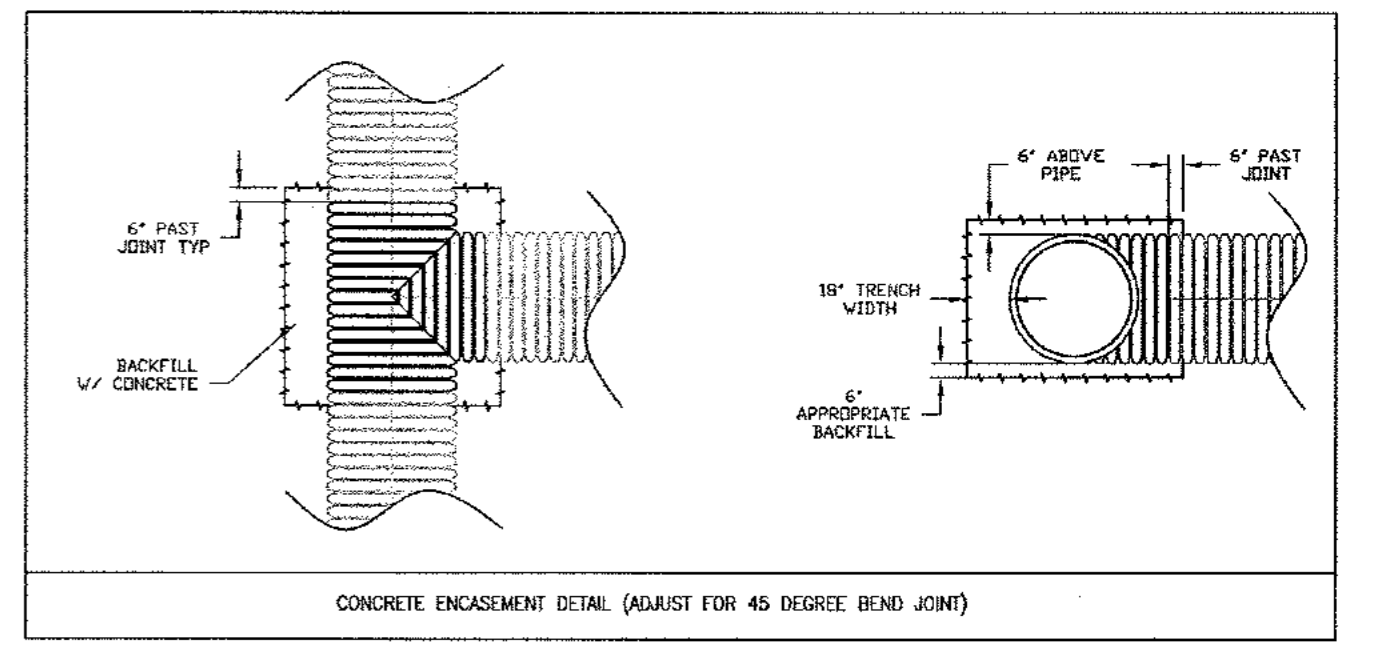
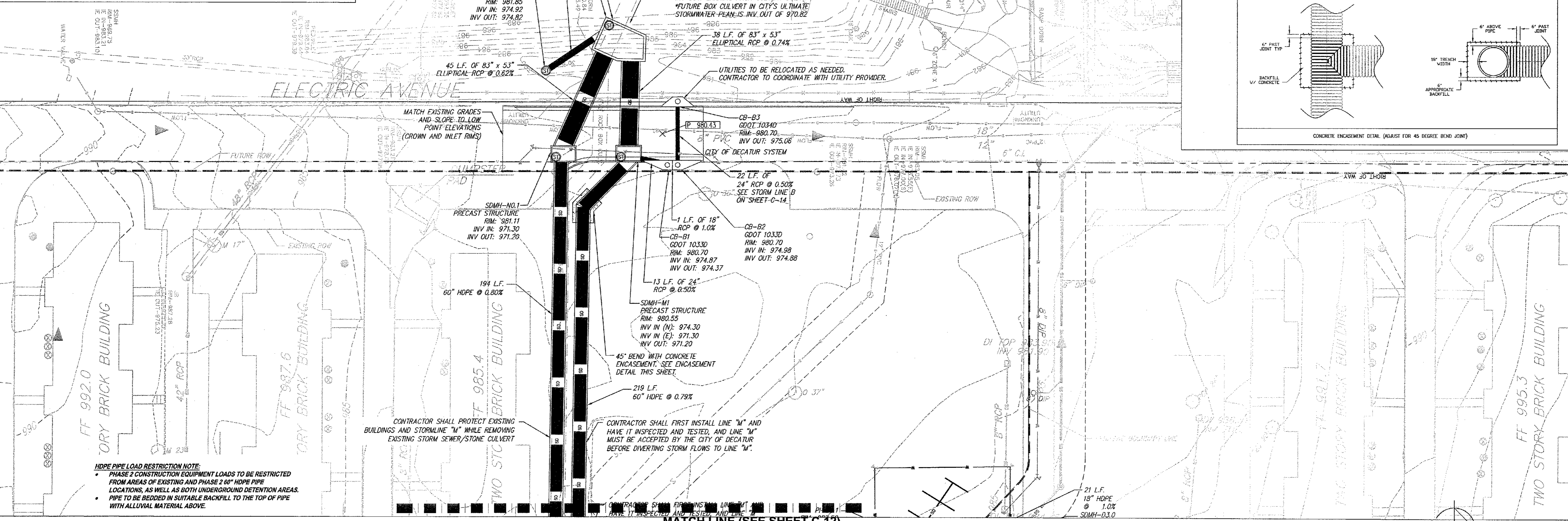
**STORM STRUCTURE NAMING KEY:**  
 PI - PEDISTAL INLET (NOT USED THIS PHASE)  
 YI - YARD INLET (NOT USED THIS PHASE)  
 CB - CATCH BASIN (GDOT 10340, SEE DETAIL SHEET C-23)  
 CATCH BASIN (GDOT 10330, SEE DETAIL SHEET C-23)  
 CI - CURB INLET (GDOT 1019A-TYPE E, SEE DETAIL SHEET C-23)  
 SDMH - STORM MANHOLE (GDOT 1011A, SEE DETAIL SHEET C-24)  
 DI - DROP INLET (GDOT 1019A-TYPE C, SEE DETAIL SHEET C-23)  
 CRYSTAL STREAM (SEE DETAIL SHEET C-24)  
 OCS - OUTLET CONTROL STRUCTURE (SEE SHEET C-12)

**LEGEND:**  
 --- PROPERTY LINE  
 --- EASEMENT LINE  
 --- WATER LINE  
 --- SD --- STORM SEWER LINE  
 --- SS --- EXISTING STORM SEWER LINE  
 --- SS --- SANITARY SEWER LINE  
 --- X --- FENCE  
 --- SANITARY SEWER MANHOLE  
 --- STORM LINE MANHOLE  
 --- STORM DRAIN CATCH BASIN  
 --- STORM DRAIN CURB INLET  
 --- STORM DRAIN CURB INLET  
 --- LANDSCAPE YARD INLET  
 --- TEE  
 --- WATER VALVE  
 --- CONCRETE

**GENERAL NOTES:**  
 1) PROPERTY SIZE: 8.24 AC (358,934 SF)  
 2) THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001. ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135156 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.  
 3) CONTACT DECATUR DEVELOPMENT DEPARTMENT (404-377-9911) TO ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH THE CITY TREE CONSULTANT PRIOR TO ANY LAND DISTURBANCE.  
 4) ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY GRADING OR LAND DISTURBANCE.  
 5) CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR PRECAST STRUCTURES SDMH-M1 AND SDMH-NO.1 TO ENGINEER FOR APPROVAL PRIOR TO PURCHASING STRUCTURES.



SDMH-M0.5 STRUCTURE DETAIL (SCALE 1"=5'). SEE PLANS SHEETS C-12.1 AND 12.2

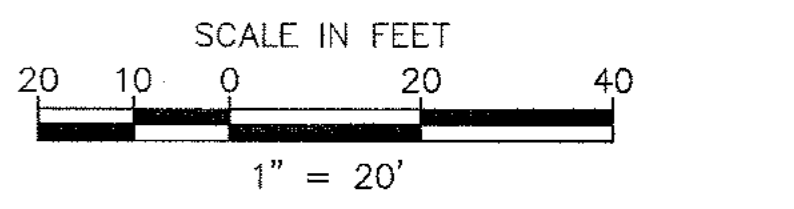


**HDPE PIPE LOAD RESTRICTION NOTE:**  
 • PHASE 2 CONSTRUCTION EQUIPMENT LOADS TO BE RESTRICTED FROM AREAS OF EXISTING AND PHASE 2 60" HDPE PIPE LOCATIONS, AS WELL AS BOTH UNDERGROUND DETENTION AREAS.  
 • PIPE TO BE BEDDED IN SUITABLE BACKFILL TO THE TOP OF PIPE WITH ALLUVIAL MATERIAL ABOVE.

**811**  
 Know what's below.  
 Call before you dig.

**NOTE:** CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. ASBUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.

**NOTE:** PROPERTY OWNER IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF STORMWATER COLLECTION/CONVEYANCE SYSTEM AND WATER QUALITY TREATMENT, STORAGE SYSTEMS AND DEVICES.

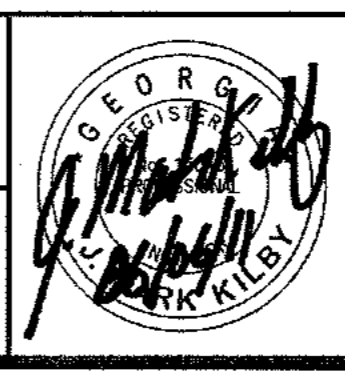


2	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE-ADDENDUM 2	02/21/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	04/26/11	BWS	JMK
REV. No:		DATE:	DRAWN BY:	CHECKED BY:

PREPARED IN THE OFFICE OF:  
  
**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 GRADING PLAN**

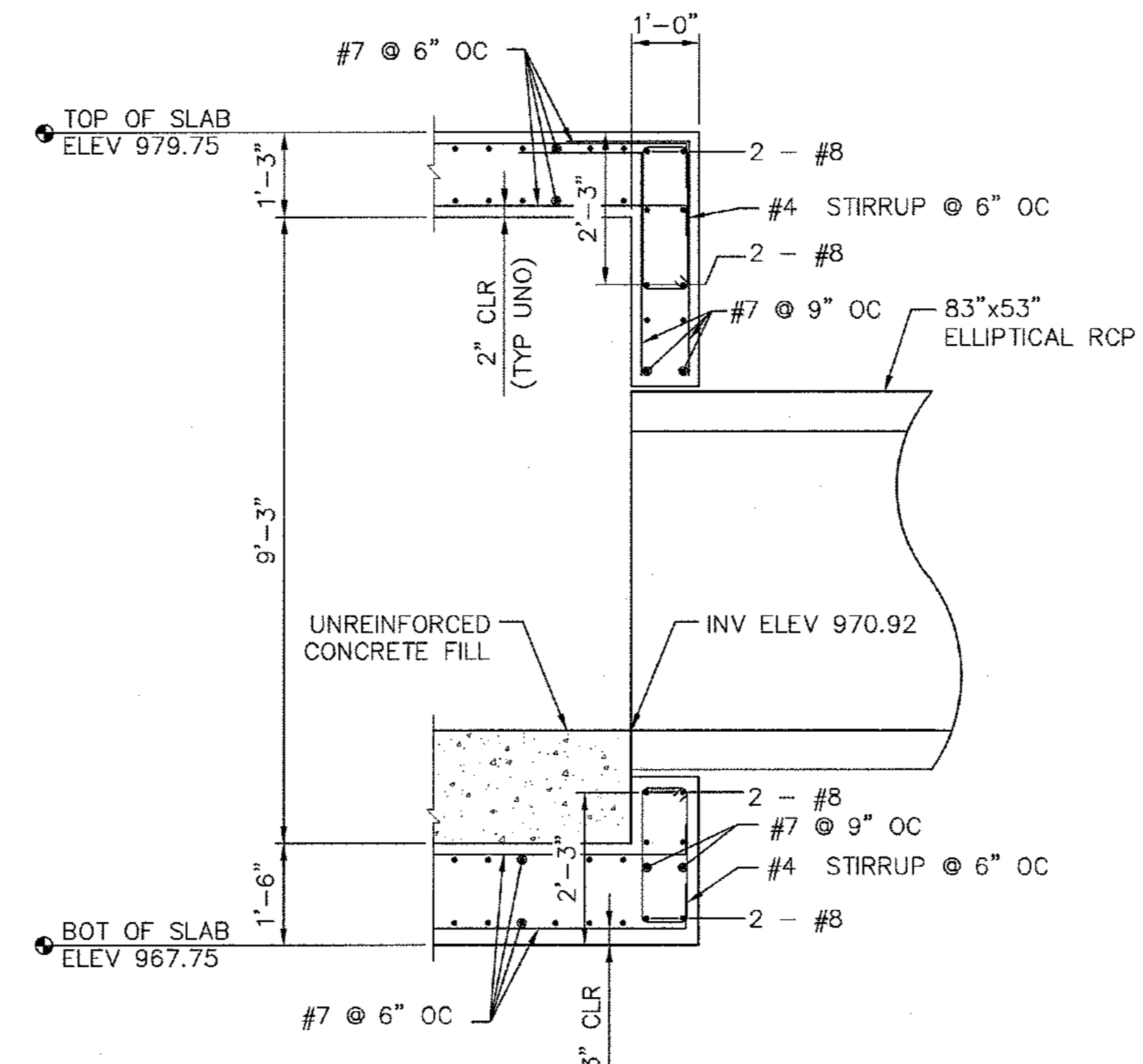


**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

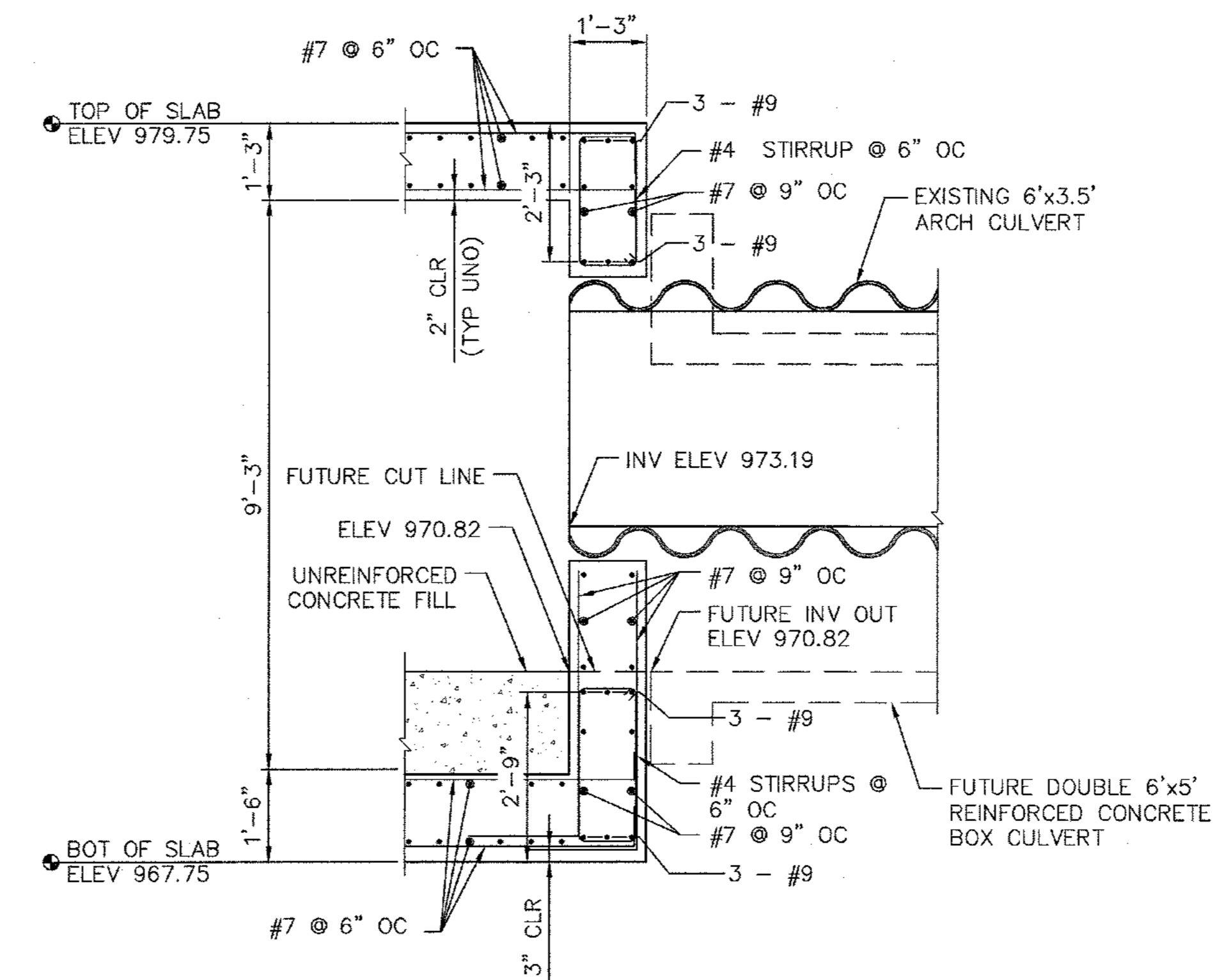
HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: JMK  
 DESIGNED BY: JMK  
 CHECKED BY: JMK  
 DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-12A OF 35

NOTES:

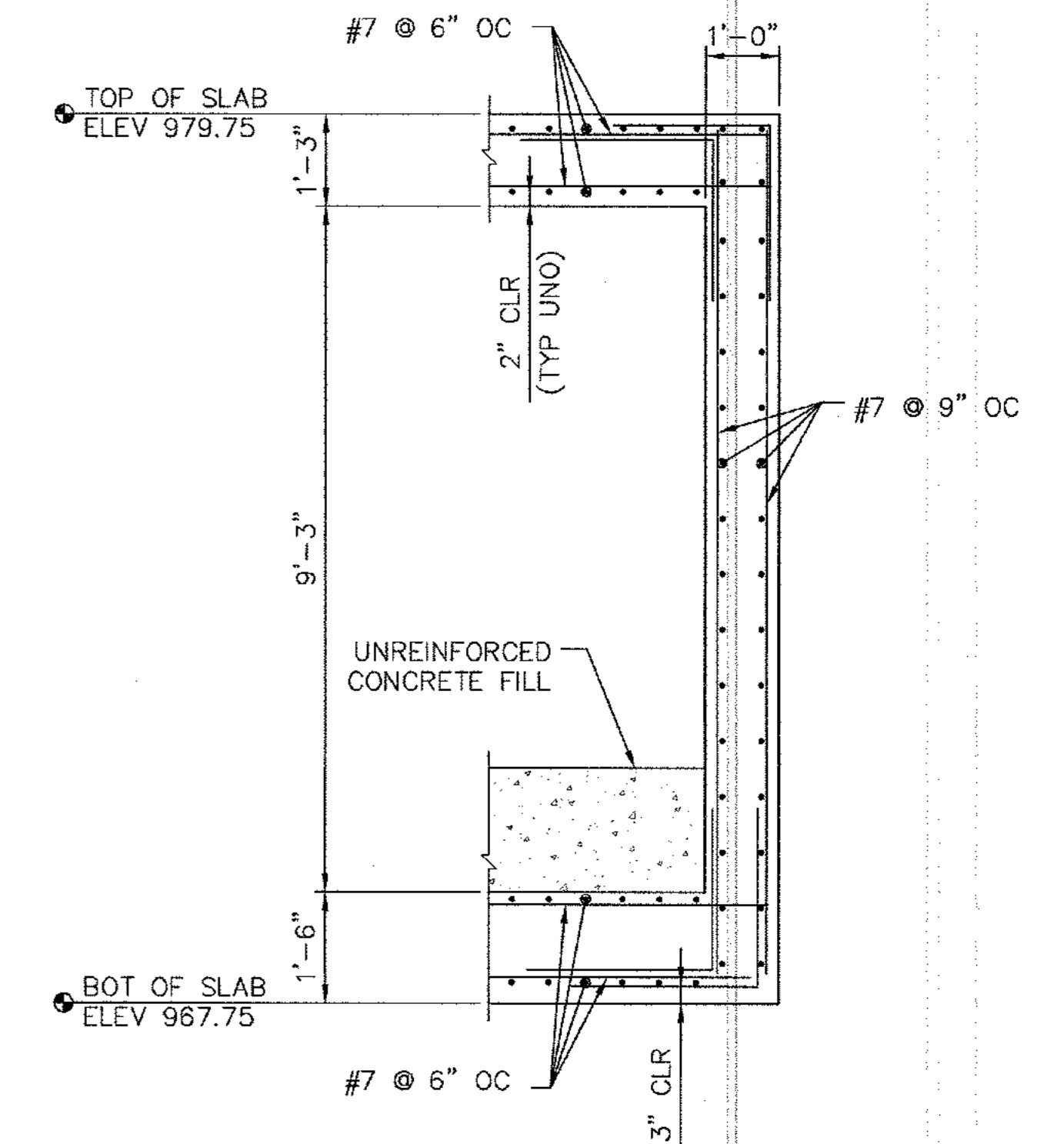
1. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND STABILITY OF ANY TEMPORARY SLOPES OR TEMPORARY SHORING THAT MAY BE REQUIRED TO INSTALL THE STRUCTURE. ANY TEMPORARY SHORING REQUIRED SHALL BE DESIGNED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA.
2. IT MAY BE NECESSARY TO PERFORM DEWATERING TO INSTALL THE STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ANY DEWATERING SYSTEMS REQUIRED TO INSTALL THE STRUCTURE. THE GROUNDWATER TABLE SHOULD BE CONTROLLED AT LEAST 2 FEET BELOW THE BOTTOM OF EXCAVATION FOR THE STRUCTURE.
3. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF ACI-301, SPECIFICATIONS FOR STRUCTURAL CONCRETE, PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MICHIGAN, EXCEPT AS MODIFIED BY THESE CONTRACT DOCUMENTS. CONCRETE SHALL BE HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI AND SHALL INCLUDE ENTRAINED AIR IN ACCORDANCE WITH ACI 301 FOR MODERATE EXPOSURE. CONCRETE MIX DESIGN FOR ALL CONCRETE WORK IS REQUIRED TO BE SUBMITTED TO THE ENGINEER FOR REVIEW. THE CONCRETE SUPPLIER SHALL HAVE A QUALITY CONTROL PROCEDURE FOR THE PRODUCTION OF ALL CONCRETE, WHICH MEETS CURRENT ACI AND ASTM STANDARDS.
4. DETAILING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI DETAILING MANUAL, AND CONCRETE REINFORCING INSTITUTE'S LATEST EDITION OF MANUAL OF STANDARD PRACTICE. ALL SHOP DRAWINGS PERTAINING TO REINFORCING STEEL DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
5. REINFORCING: ASTM A615, GRADE 60. REINFORCING THAT REQUIRES WELDING SHALL BE ASTM A706.
6. ALL LAP SPLICES SHALL BE 50 X BAR DIAMETERS UNLESS OTHERWISE NOTED.
7. BAR SUPPORTS, DESIGN, DETAILING, FABRICATION AND PLACEMENT OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318-05 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE) AND ACI 315-99 (DETAILING MANUAL).
8. STRUCTURE BACKFILL MATERIALS SHOULD BE COMPACTED TO AT LEAST 95% OF THE SOIL'S STANDARD PROCTOR MAXIMUM DRY DENSITY. DO NOT PLACE BACKFILL AT WALLS UNTIL THE TOP SLAB HAS BEEN PLACED AND REACHED STRENGTH.
9. WALL BACKFILL MATERIALS PLACED WITHIN A DISTANCE OF 4 FEET OF THE STRUCTURE SHALL BE COMPACTED WITH HAND OPERATED EQUIPMENT.
10. BOTTOM SLAB EXCAVATION - EXCAVATION FOR WALL BOTTOM SLAB SHALL BE DONE WITH CARE TO PREVENT UNDERCUTTING. CONTRACTOR SHALL HAVE THE GEOTECHNICAL ENGINEER CONFIRM THAT UNDISTURBED SOILS PROVIDE REQUIRED STABILITY FOR CONSTRUCTION OF BOTTOM SLAB. NOTIFY ENGINEER IF UNDERCUTTING IS REQUIRED.
11. CLEARANCE - MAINTAIN 3" CLEARANCE ON ALL BOTTOM OF BOTTOM SLAB REINFORCING, 2" CLEARANCE ON ALL OTHER REINFORCING.
12. MANHOLE STEPS - INSTALL MANHOLE STEPS IN STRUCTURE IN ACCORDANCE WITH GA DOT STANDARD 1011-A. PLACE STEPS AT A MAXIMUM SPACING OF 16 INCHES ON CENTER.



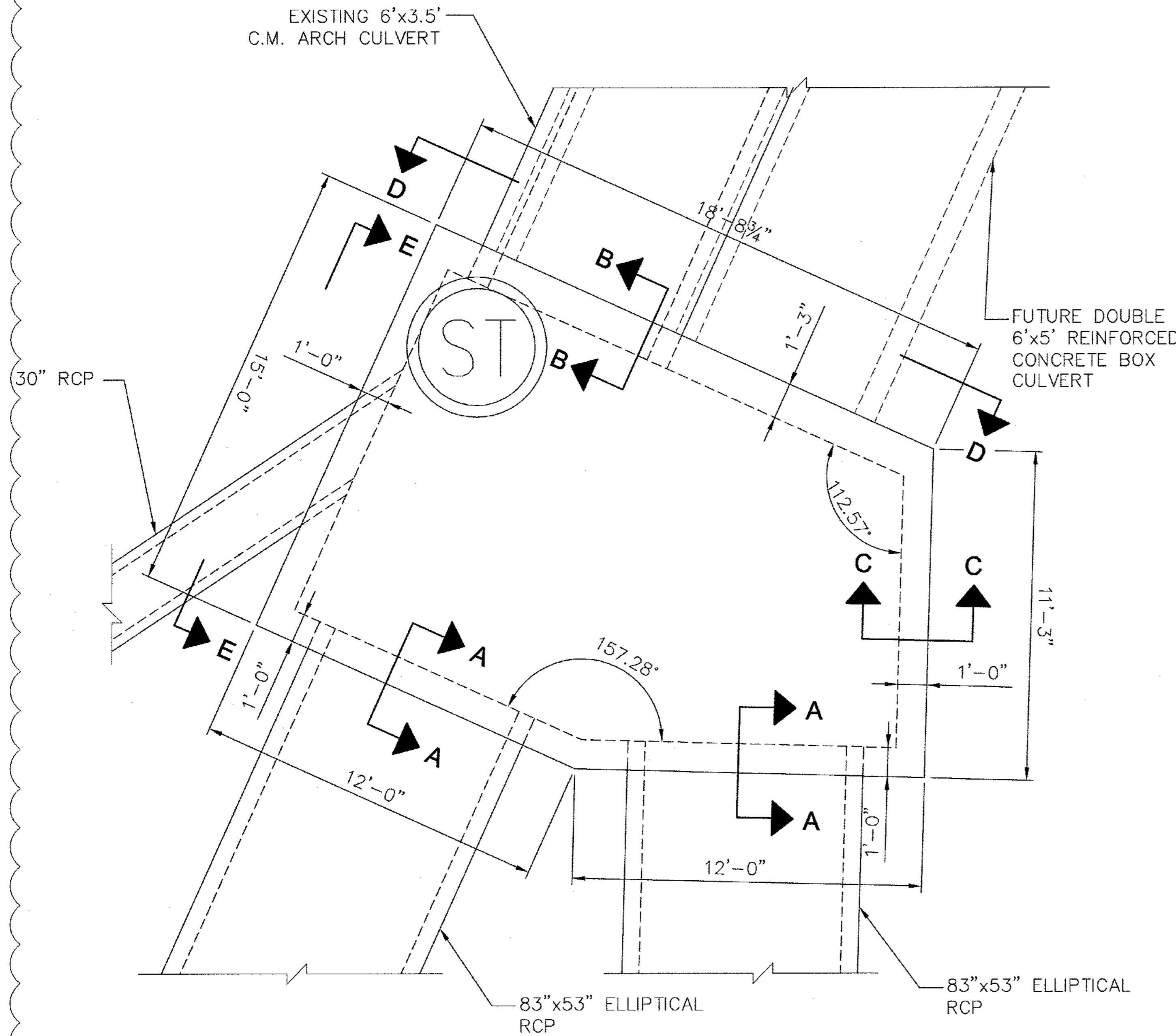
SECTION A - A  
SCALE: 1/2" = 1'-0"



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



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



PLAN  
SCALE: 3/8" = 1'-0"

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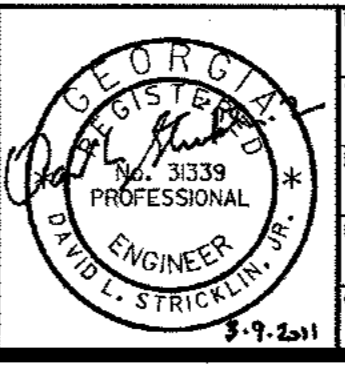
REV. NO.	DATE	BY	CHECKED BY	REVISIONS PER CITY COMMENTS
3	03/09/11	CRA	DLS	

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CUSTOM STRUCTURE SDMH M0.5 DETAILS**  
(SHEET 1 OF 2)

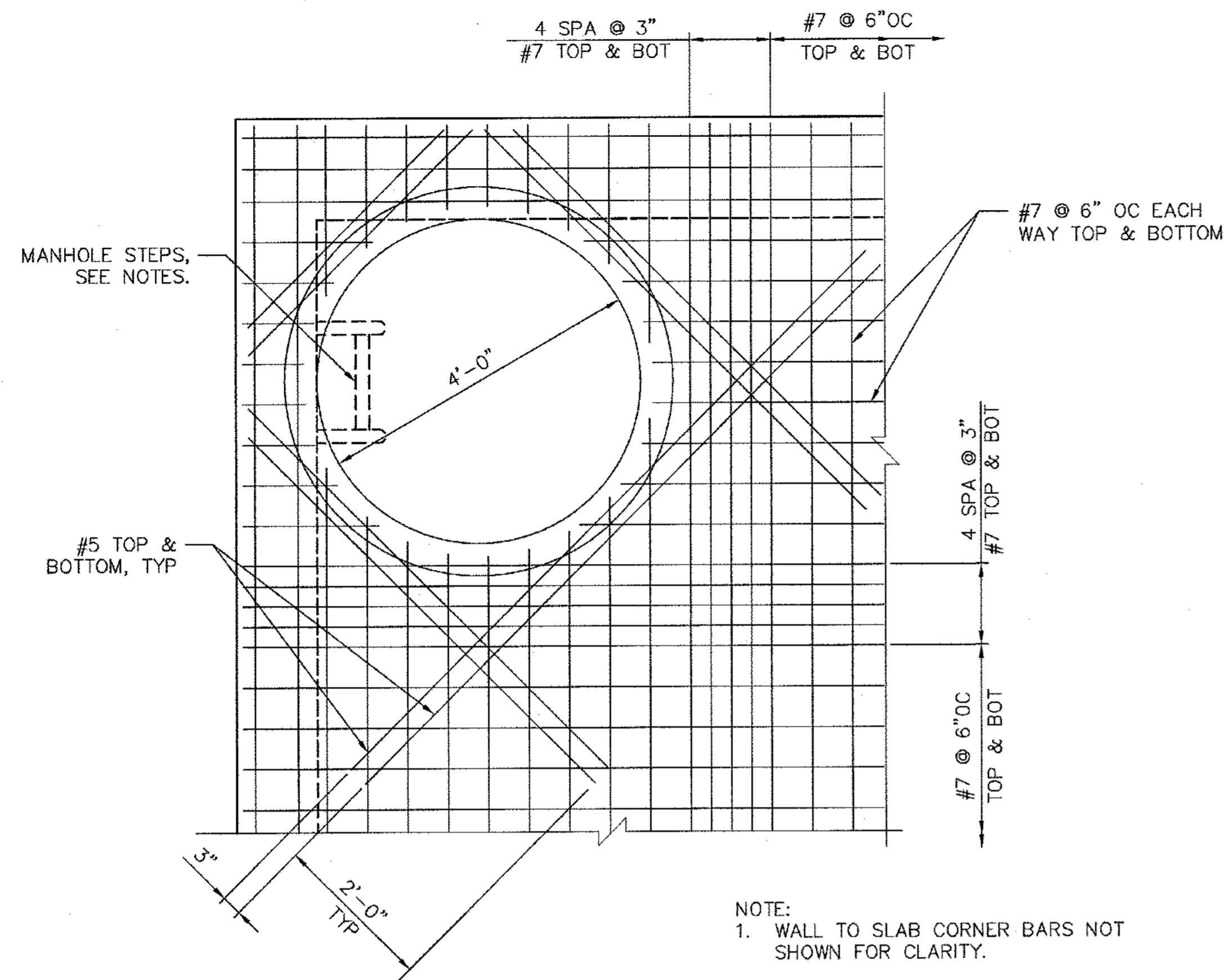


**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

HORIZONTAL SCALE: \_\_\_\_\_  
VERTICAL SCALE: \_\_\_\_\_

DATE: 01 - 27 - 11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-12.1 OF 34

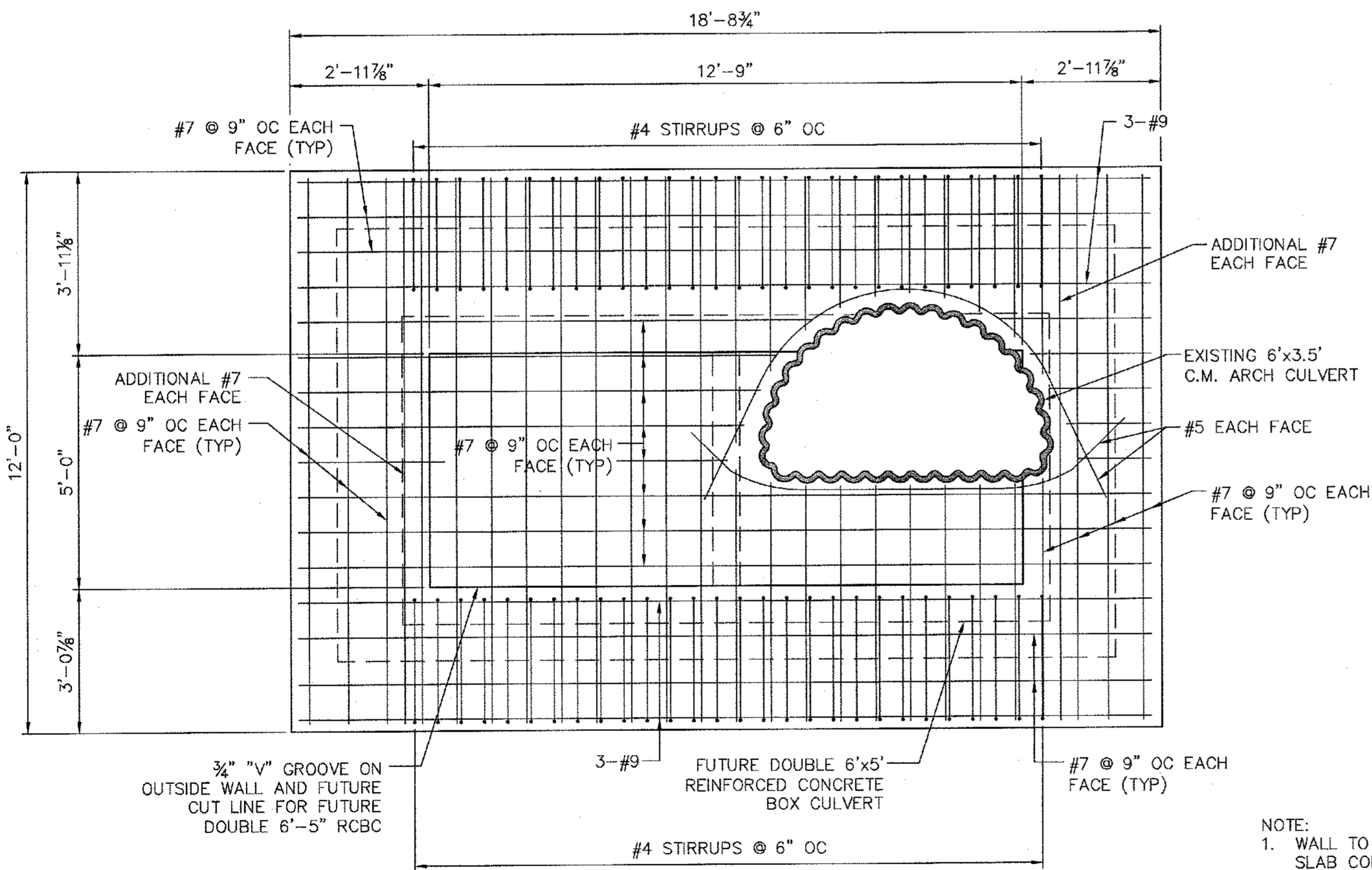




**PARCEL TOP SLAB PLAN AT MANHOLE PENETRATION**

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

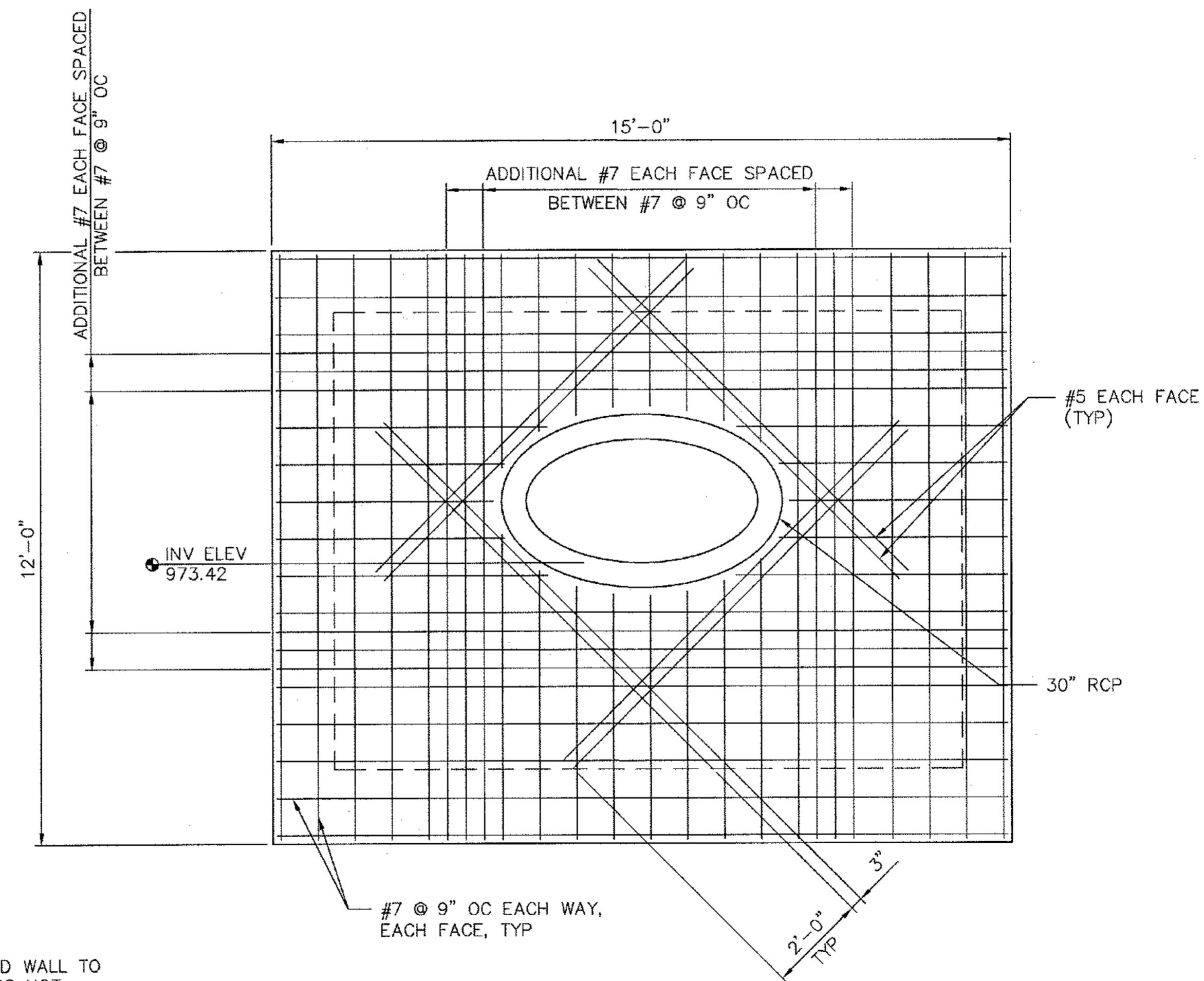
NOTE:  
1. WALL TO SLAB CORNER BARS NOT SHOWN FOR CLARITY.



**SECTION D - D**

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

NOTE:  
1. WALL TO WALL AND WALL TO SLAB CORNER BARS NOT SHOWN FOR CLARITY.



**SECTION E - E**

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

Drawing name: U:\Projects\AWT\dwg\junction Box.dwg Junction Box (2) Mar 09, 2011 12:02pm by: candice.anderson

REV. No.	REVISIONS PER CITY COMMENTS	DATE	DRAWN BY	CHECKED BY
3		03/09/11	CRA	DLS

PREPARED IN THE OFFICE OF:

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817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

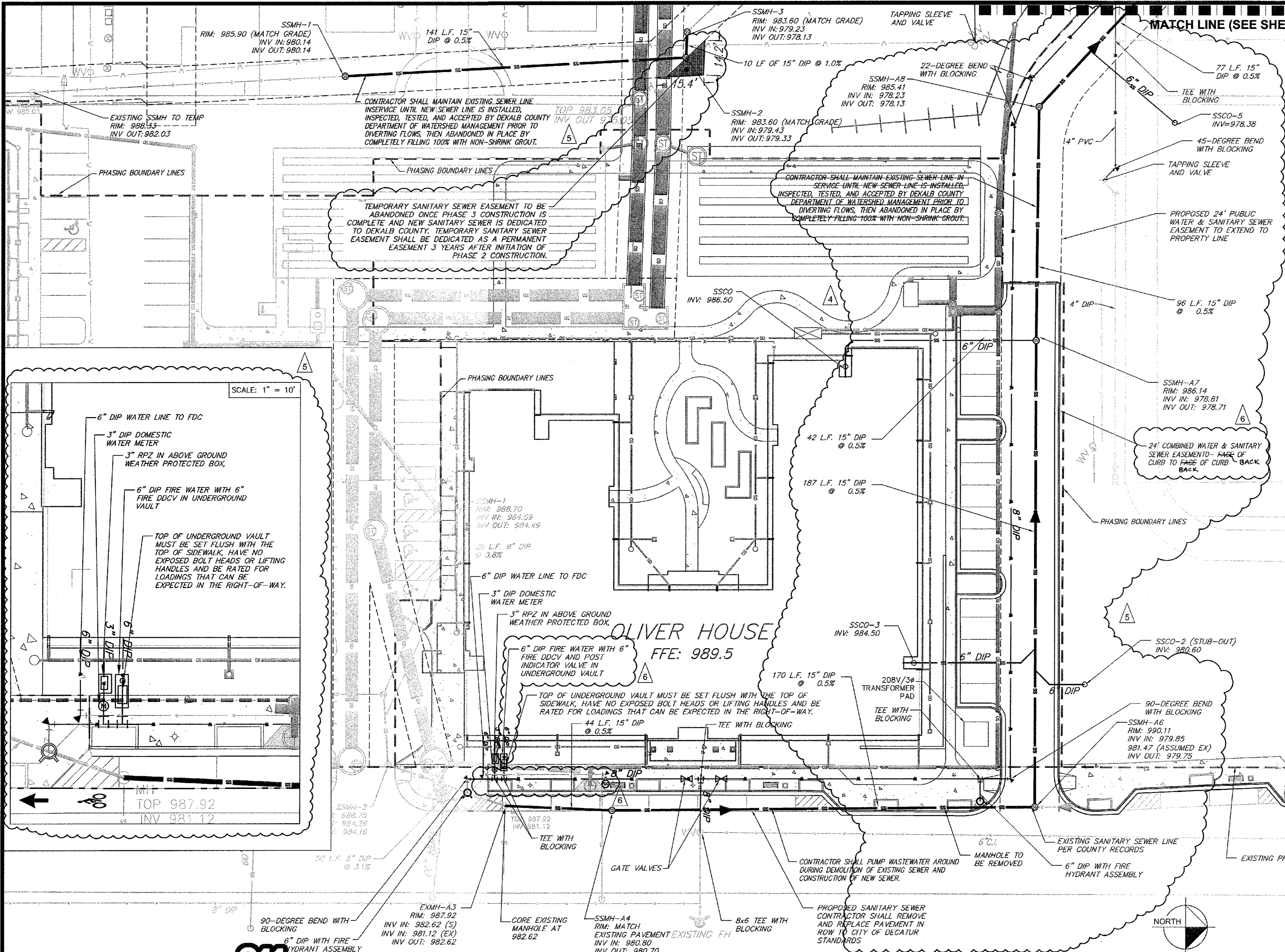
CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CUSTOM STRUCTURE SDMH M0.5 DETAILS**  
(SHEET 2 OF 2)

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

CHECKED BY: DATE: 01-27-11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-12.2 OF 34

Drawing name: K:\AMT\CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_13\_P2-SEWER.dwg Utility Jun 05, 2011 10:37am by: ben.skidmore



**SEWER PLAN KEY:**

SSMH - SEWER MANHOLE	(Symbol)
SSCO - SANITARY SEWER CLEANOUT	(Symbol)
EXMH - EXISTING SEWER MANHOLE	(Symbol)

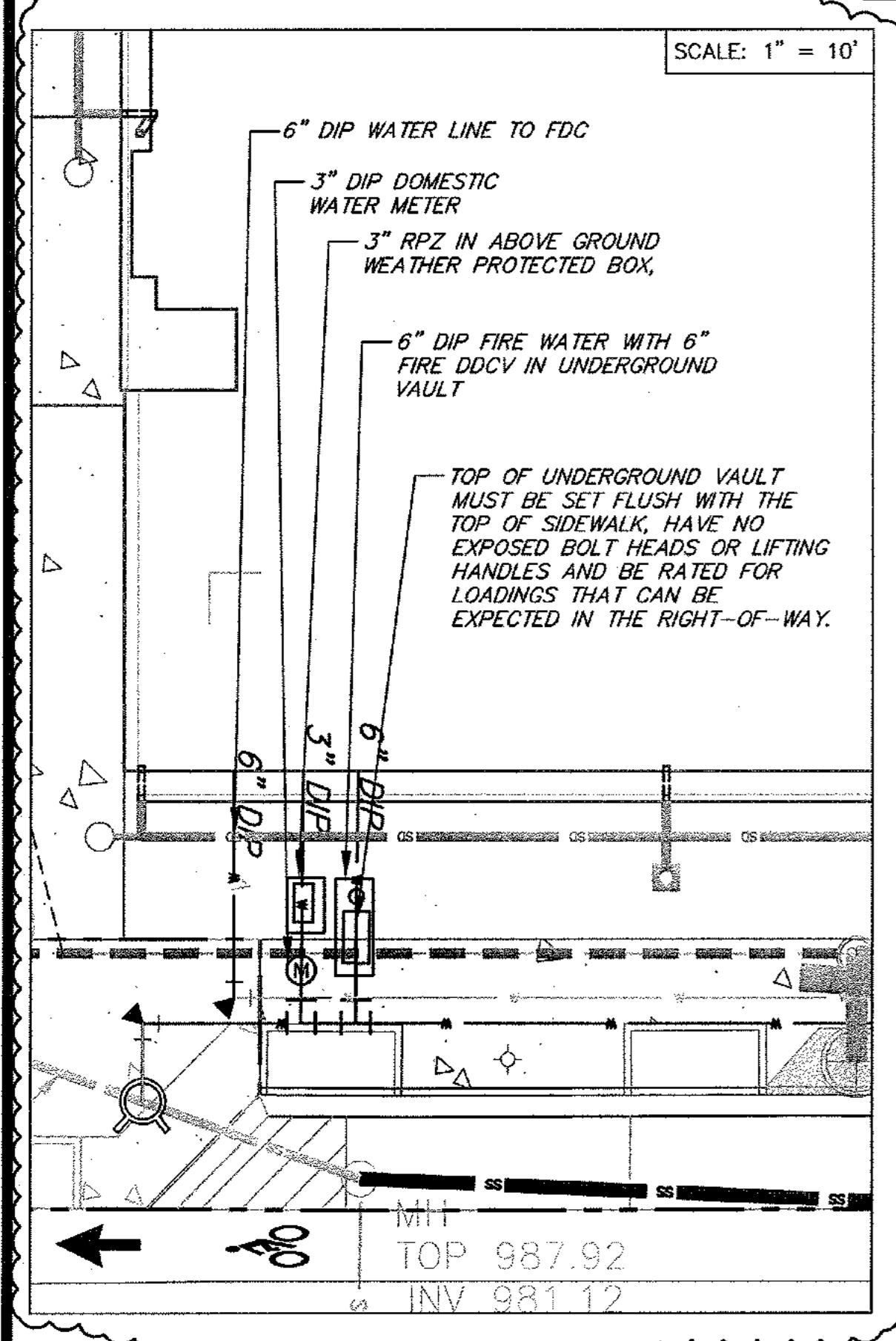
**LEGEND:**

(Symbol)	PROPERTY LINE	(Symbol)	STORM LINE MANHOLE
(Symbol)	EASEMENT LINE	(Symbol)	STORM DRAIN DROP INLET
(Symbol)	WATER LINE	(Symbol)	STORM DRAIN CURB INLET
(Symbol)	STORM SEWER LINE	(Symbol)	STORM DRAIN CATCH BASIN
(Symbol)	SANITARY SEWER LINE	(Symbol)	STORM DRAIN YARD INLET
(Symbol)	EXISTING SANITARY SEWER LINE	(Symbol)	TEE
(Symbol)	FENCE	(Symbol)	WATER VALVE
(Symbol)	SANITARY SEWER MANHOLE	(Symbol)	CONCRETE
(Symbol)	EXIST. SAN. SEWER CLEANOUT		

- DEKALB COUNTY WATER NOTES:**
- CONTRACTOR SHALL NOTIFY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR AT 770-621-7212 48 HOURS PRIOR TO START OF CONSTRUCTION
  - ALL MATERIALS FOR WATER MAIN CONSTRUCTION SHALL MEET AWWA SPECIFICATIONS.
  - ONLY DCDWM APPROVED CONTRACTORS SHALL INSTALL WATER MAINS.
  - ALL WATER MAINS, VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES TO BE DEDICATED TO OR OWNED BY DCDWM. SHALL BE INSTALLED ACCORDING TO THE APPROVED DESIGN. ALL FIELD CHANGES MUST BE APPROVED BY DCDWM. CONTRACTOR MUST HAVE A SET OF THE APPROVED DESIGN CONTAINING AN ORIGINAL DCDWM STAMP, AND A COPY OF THE DESIGN STANDARDS, MOST CURRENT EDITION, ON SITE AT ALL TIMES.
  - ALL MECHANICAL JOINT DUCTILE IRON PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AND MEETING THE LATEST REQUIREMENTS OF AWWA C151.15.1.
  - ALL VALVES WHICH ARE TO BE BURIED IN THE GROUND SHALL BE PROVIDED WITH A VALVE BOX AND COVER.
  - GATE VALVES SHALL CONFORM TO AWWA C500 (LATEST EDITION) FOR DOUBLE-DISC GATE VALVES, OR AWWA C509 (LATEST EDITION) FLORE RESILIENT-SEATED GATE VALVES, AND SHALL BE MANUFACTURED BY AMERICAN FLOW CONTROL, US PIPE, MUELLER, CLOW, OR APPROVED EQUAL.
  - GATE VALVES SHALL BE HAND OPERATED, NON-RISING STEM, WITH CAST OR DUCTILE IRON BODIES, AND ADAPTED FOR JOINTS AS INDICATED IN THE APPROVED DESIGN DRAWINGS.
  - ALL TAPPING SLEEVES MUST COMPLY WITH THE LATEST ANSI STANDARD 200 PSI WORKING PRESSURE FOR WATER MAINS OF 12 INCH DIAMETER OR LARGER AND 150 PSI FOR WATER MAINS OF DIAMETER LESS THAN 12 INCHES. TAPPING SLEEVES SHALL BE CAST IRON OR DUCTILE IRON WITH MECHANICAL JOINT ENDS.
  - FIRE HYDRANTS SHALL BE MANUFACTURED IN FULL COMPLIANCE WITH AWWA STANDARDS FOR DRY-BARREL FIRE HYDRANTS, AWWA C502, AND AS HEREIN AMENDED. ONLY THE FOLLOWING HYDRANTS ARE APPROVED FOR USE IN DEKALB COUNTY: AMERICAN DARLING 8848, Minih Style 129, MUELLER A-423, CLOW MEDALLION, US PIPE METROPOLITAN-84, OR WATEROUS W87-250. FOLLOW FIRE HYDRANT INSTALLATION STANDARD PROVIDED IN CONSTRUCTION DETAILS (W-404).
  - REFER TO CONSTRUCTION DETAILS OR DCDWM DESIGN STANDARDS FOR ALL TRENCH EXCAVATION DETAILS.
  - BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH GDOT STANDARD SPECIFICATION SECTION 812, TYPE II FOUNDATION BACKFILL.
  - ALL BEDDING ARE TO BE PROPERLY GRADED AND BLOCKED ACCORDING TO DCDWM SPECIFICATION. SEE BLOCKING DETAILS IN CONSTRUCTION DETAILS OR DCDWM DESIGN STANDARDS 2009 EDITION, VERSION 10.
  - ALL CONNECTIONS TO DEKALB COUNTY WATER SYSTEM MUST HAVE AN APPROPRIATE BACKFLOW DEVICE.

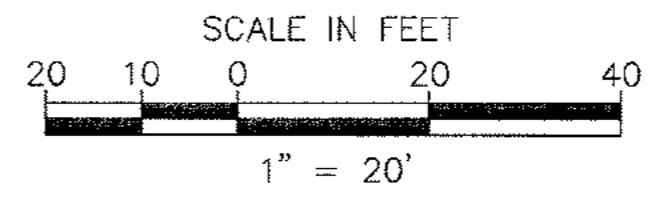
- DEKALB COUNTY SEWER NOTES:**
- CONTRACTOR SHALL NOTIFY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR AT 770-621-7212 48 HOURS PRIOR TO START OF CONSTRUCTION
  - AT NO TIME WILL ANY GRAVITY SANITARY SEWER CONSTRUCTION COMMENCE PRIOR TO APPROVAL OF ALL PLANS, RECEIPT OF ALL REQUIRED DOCUMENTS INCLUDING NECESSARY EASEMENTS, ISSUANCE OF SANITARY SEWER CONSTRUCTION PERMIT TO APPROVED CONTRACTOR, BY DCDWM AND A PRECONSTRUCTION CONFERENCE HELD WITH A DCDWM INSPECTOR.
  - ALL GRAVITY SANITARY SEWER LINES, MANHOLES AND OTHER APPURTENANCES TO BE GOVERNED BY DCDWM SHALL BE INSTALLED ACCORDING TO APPROVED PLANS AND PROFILES. CONTRACTOR MUST HAVE A SET OF THE APPROVED DESIGN CONTAINING AN ORIGINAL DCDWM STAMP, A COPY OF THE DESIGN STANDARDS, CURRENT EDITION, ON SITE AT ALL TIMES.
  - CONTRACTOR SHALL ADHERE TO ALL FEDERAL, STATE, COUNTY, AND LOCAL LAWS, ORDINANCES AND REGULATIONS WHICH IN ANY MANNER AFFECT THE CONDUCT OF THE WORK, INCLUDING BUT NOT LIMITED TO INSTALLING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
  - SANITARY SEWER CONSTRUCTION SHALL BE DONE IN OPEN TRENCHES AND IN A MANNER TO PROTECT LINES, SANITARY SEWERS OR STRUCTURES FROM UNUSUAL STRESSES.
  - CONTRACTOR OR THE FIRST SANITARY SEWERS OR DRAINS INTERRUPTED DURING THE PROGRESS OF THE WORK AND SHALL RESTORE SAME TO A PRECONSTRUCTION CONDITION.
  - AT THE START OF CONSTRUCTION CONTRACTOR SHALL INSTALL AN AIR PLUG IN THE FIRST PIPE LAID OUT OF THE ENTRANCE MANHOLE AND IN THE DOWNGRADE SIDE OF THE FIRST NEWLY INSTALLED MANHOLE. SAID PLUGS SHALL REMAIN IN PLACE UNTIL FINAL INSPECTION AND APPROVAL IS GIVEN BY DCDWM. CONTRACTOR MUST EXERCISE EXTREME CAUTION TO ENSURE PLUGS ARE NOT LOST INTO THE GRAVITY SANITARY SEWER SYSTEM.
  - THE CONTRACTOR MUST COMPLY WITH ALL REQUIREMENTS OF THE DEKALB COUNTY SOIL EROSION AND SEDIMENT CONTROL ORDINANCE, THE PROVISIONS OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" AND ANY SPECIAL CONDITION REQUIRED BY THE EPD ASSOCIATED WITH ANY VARIANCES ISSUED BY THE SAME, AND ANY SPECIAL CONDITIONS REQUIRED BY THE DCDWM INSPECTOR.
  - GRAVITY SANITARY SEWER LINES SHALL BE EITHER PVC, DUCTILE IRON PIPE, OR HDPE.
  - ALL SANITARY SEWERS PIPE AND FITTINGS SHALL BE MARKED IN ACCORDANCE WITH THE LATEST ASTM/ANSI DESIGNATIONS. PIPE MARKINGS SHALL APPEAR AT INTERVALS OF FIVE (5) FEET OR LESS ON PIPE BARREL.
  - REFER TO DCDWM STANDARD MANUAL FOR ACCEPTABLE MATERIAL CLASSIFICATIONS.
  - MANHOLES SHALL BE PRECAST REINFORCED CONCRETE CONSTRUCTION MADE IN CONFORMANCE WITH THE LATEST EDITION OF ANSII/ASTM C478. THE MINIMUM WALL THICKNESS FOR A FOUR FOOT DIAMETER MANHOLE IS FIVE INCHES. ALL EXCAVATION SHALL BE OPEN CUT UNLESS OTHERWISE INDICATED ON THE APPROVED DESIGN OR DIRECTED BY DCDWM. EXCAVATION BELOW TOPSOIL MAY BE PERFORMED BY MACHINE, BUT SHALL BE SUPPLEMENTED BY SUCH HAND PRESSING OR LEVELING AS MAY BE REQUIRED TO CONFORM TO THE LINES AND GRADES AS GIVEN BY DCDWM. REFER TO DCDWM TRENCH DETAIL IN CONSTRUCTION DETAILS.
  - THE FLOW IN SANITARY SEWERS, DRAINS, GUTTERS, OR WATER COURSES ENCOUNTERED DURING CONSTRUCTION SHALL BE ADEQUATELY PROVIDED FOR BY THE CONTRACTOR TO ENSURE THESE FLOWS DO NOT INTERFERE WITH THE PROSECUTION OF WORK, AND ARE MAINTAINED IN SUCH A WAY TO ENSURE CONTINUITY OF FLOW.
  - IF RAW SEWAGE IS ENCOUNTERED DURING PERFORMANCE OF THE WORK, THE CONTRACTOR MUST IMMEDIATELY STOP WORK AND SHALL NOTIFY DCDWM.
  - BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH GDOT STANDARD SPECIFICATION SECTION 812, TYPE II FOUNDATION BACKFILL.
  - CONTRACTOR TO REFER TO DCDWM GRAVITY SANITARY SEWER DESIGN STANDARDS FOR INSTALLATION OF ALL SANITARY SEWER.

- GENERAL NOTES:**
- PROPERTY SIZE: 8.24 AC (358,934 SF)
  - THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001, ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.
  - ALL PROPOSED MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED GRADE.
  - ALL BUILDINGS WILL BE SPRINKLERED AS REQUIRED BY THE FIRE CODE.
  - REFER TO MEP PLANS AND CONSTRUCTION DETAILS FOR DCDWM DETAILS REGARDING BACKFLOW PREVENTION FOR DOMESTIC AND FIRE.
  - WATERLINES TO HAVE PROPER BLOCKING PER REQUIREMENTS IN DCDWM STANDARDS.
  - ALL NEW HYDRANTS ARE TO BE INSTALLED PRIOR TO THE START OF BUILDING FRAMING.



IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

NOTE: CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. AS-BUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.



1	ADDENDUM 1	02/10/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
4	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	04/20/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	05/17/11	JCR	JMK
6	REVISIONS PER DEKALB COUNTY COMMENTS	05/08/11	BWS	JMK
REV. NO.	DATE	DRAWN BY	CHECKED BY	

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 UTILITY PLAN**

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**

LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

DATE: 01-27-11 JOB NUMBER: 019636000 SHEET NUMBER: C-13 of 35

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**SEWER PLAN KEY:**

SSMH	- SEWER MANHOLE	SD	- STORM LINE MANHOLE
SSCO	- SANITARY SEWER CLEANOUT	SDI	- STORM DRAIN DROP INLET
EXMH	- EXISTING SEWER MANHOLE	SDC	- STORM DRAIN CURB INLET
		SDCB	- STORM DRAIN CATCH BASIN
		SDYI	- STORM DRAIN YARD INLET
		T	- TEE
		WV	- WATER VALVE
		CS	- CONCRETE
		ES	- EXIST. SAN. SEWER CLEANOUT

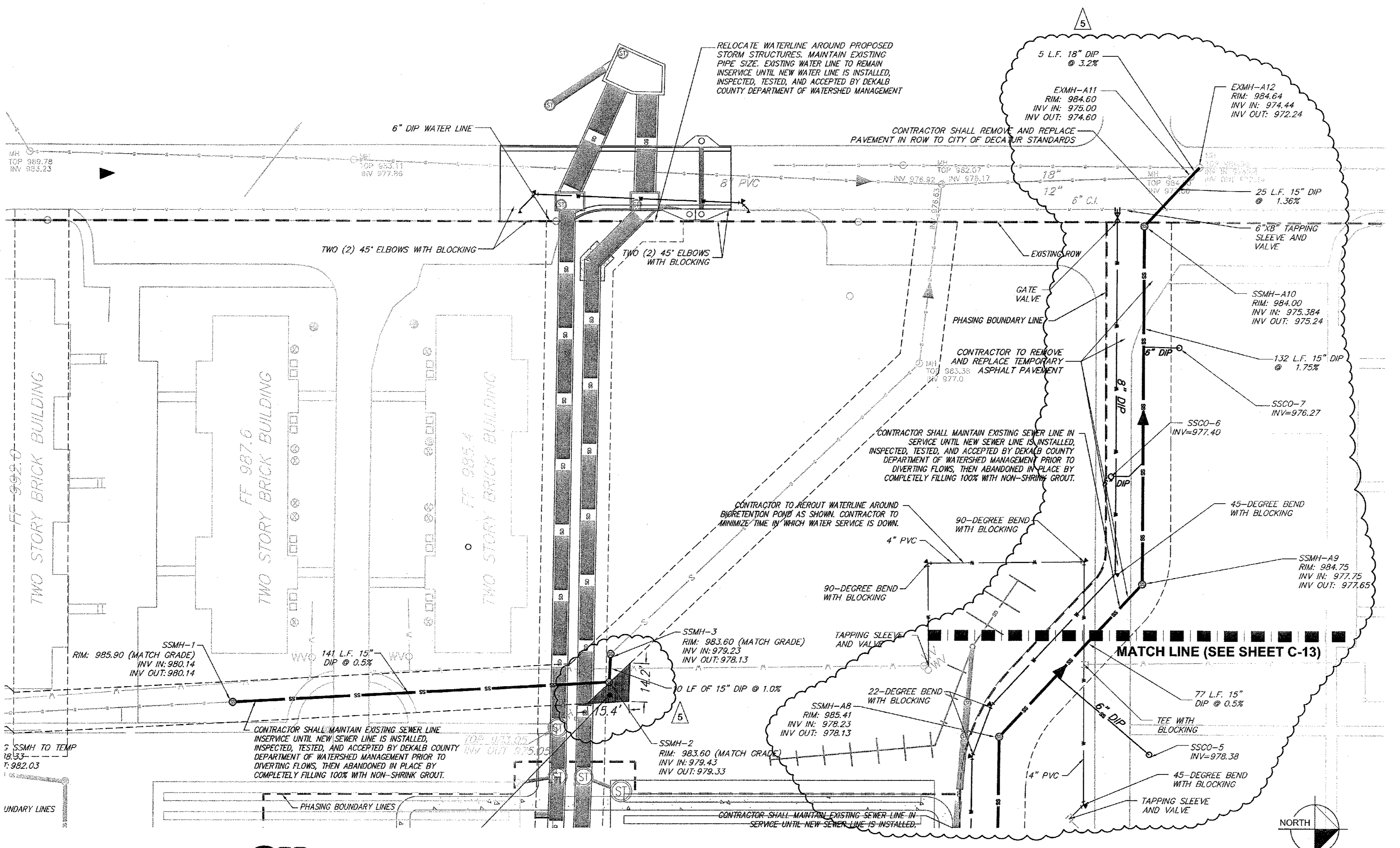
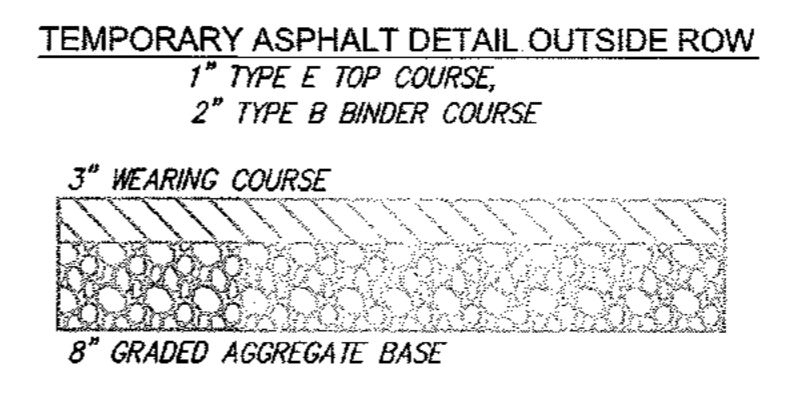
**LEGEND:**

---	PROPERTY LINE	---	STORM LINE MANHOLE
---	EASEMENT LINE	---	STORM DRAIN DROP INLET
---	WATER LINE	---	STORM DRAIN CURB INLET
---	STORM SEWER LINE	---	STORM DRAIN CATCH BASIN
---	SANITARY SEWER LINE	---	STORM DRAIN YARD INLET
---	EXISTING SANITARY SEWER LINE	---	TEE
---	FENCE	---	WATER VALVE
---	SANITARY SEWER MANHOLE	---	CONCRETE
---	EXIST. SAN. SEWER CLEANOUT		

- DEKALB COUNTY WATER NOTES:**
- CONTRACTOR SHALL NOTIFY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR AT 770-821-7212 48 HOURS PRIOR TO START OF CONSTRUCTION.
  - ALL MATERIALS FOR WATER MAIN CONSTRUCTION SHALL MEET AWWA SPECIFICATIONS.
  - ONLY DCDWM APPROVED CONTRACTORS SHALL INSTALL WATER MAINS.
  - ALL WATER MAINS, VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES TO BE DEDICATED TO OR OWNED BY DCDWM. SHALL BE INSTALLED ACCORDING TO THE APPROVED DESIGN. ALL FIELD CHANGES MUST BE APPROVED BY DCDWM. CONTRACTOR MUST HAVE A SET OF THE APPROVED DESIGN CONTAINING AN ORIGINAL DCDWM STAMP, AND A COPY OF THE DESIGN STANDARDS, MOST CURRENT EDITION, ON SITE AT ALL TIMES.
  - ALL MECHANICAL JOINT DUCTILE IRON PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AND MEETING THE LATEST REQUIREMENTS OF AWWA C151/A21.5.1.
  - ALL VALVES WHICH ARE TO BE BURIED IN THE GROUND SHALL BE PROVIDED WITH A VALVE BOX AND COVER.
  - GATE VALVES SHALL BE TO AWWA C500 (LATEST EDITION) FOR GATE VALVES, OR AWWA C509 (LATEST EDITION) FOR RESILIENT-SEATED GATE VALVES, AND SHALL BE MANUFACTURED BY AMERICAN FLOW CONTROL, US PIPE, MUELLER, CLOW, OR APPROVED EQUAL.
  - GATE VALVES SHALL BE HAND OPERATED, NON-RISING STEM, WITH CAST OR DUCTILE IRON BODIES, AND ADAPTED FOR JOINTS AS INDICATED IN THE APPROVED DESIGN DRAWINGS.
  - ALL TAPPING SLEEVES MUST COMPLY WITH THE LATEST ANSI STANDARD 200 PSI WORKING PRESSURE FOR WATER MAINS OF 12 INCH DIAMETER OR LARGER AND 150 PSI FOR WATER MAINS OF DIAMETER LESS THAN 12 INCHES. TAPPING SLEEVES SHALL BE CAST IRON OR DUCTILE IRON WITH MECHANICAL JOINT ENDS.
  - FIRE HYDRANTS SHALL BE MANUFACTURED IN FULL COMPLIANCE WITH AWWA STANDARDS FOR DRY-BARREL FIRE HYDRANTS, AWWA C502, AND AS HEREIN AMENDED. ONLY THE FOLLOWING HYDRANTS ARE APPROVED FOR USE IN DEKALB COUNTY: AMERICAN DARLING 8848, Munch Style 129, MUELLER A-223, CLOW MEDALLION, US PIPE METROPOLITAN-84, OR WATEROUS WB67-250. FOLLOW FIRE HYDRANT INSTALLATION STANDARD PROVIDED IN CONSTRUCTION DETAILS (W-004).
  - REFER TO CONSTRUCTION DETAILS OR DCDWM DESIGN STANDARDS FOR ALL TRENCH EXCAVATION DETAILS.
  - BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH GDOT STANDARD SPECIFICATION SECTION 612, TYPE II FOUNDATION BACKFILL.
  - ALL BENDS ARE TO BE PROPERLY BRACED WITH BLOCKING ACCORDING TO DCDWM SPECIFICATION. SEE BLOCKING DETAILS IN CONSTRUCTION DETAILS OR DCDWM DESIGN STANDARDS FOR INSTALLATION OF ALL SANITARY SEWER.
  - ALL CONNECTIONS TO DEKALB COUNTY WATER SYSTEM MUST HAVE AN APPROPRIATE BACKFLOW DEVICE.

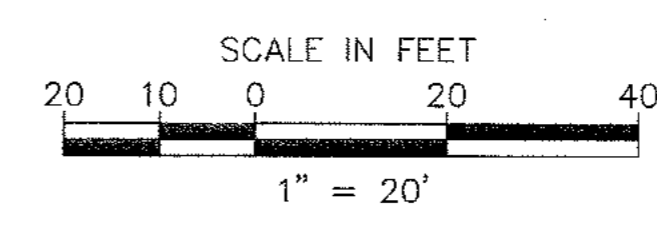
- DEKALB COUNTY SEWER NOTES:**
- CONTRACTOR SHALL NOTIFY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR AT 770-821-7212 48 HOURS PRIOR TO START OF CONSTRUCTION.
  - AT NO TIME WILL ANY GRAVITY SANITARY SEWER CONSTRUCTION COMMENCE PRIOR TO APPROVAL OF ALL PLANS, RECEIPT OF ALL REQUIRED DOCUMENTS INCLUDING NECESSARY EASEMENTS, ISSUANCE OF SANITARY SEWER CONSTRUCTION PERMIT TO APPROVED CONTRACTOR, BY DCDWM AND A PRECONSTRUCTION CONFERENCE HELD WITH A DCDWM INSPECTOR.
  - ALL GRAVITY SANITARY SEWER LINES, MANHOLES AND OTHER APPURTENANCES TO BE GOVERNED BY DCDWM SHALL BE INSTALLED ACCORDING TO APPROVED PLANS AND PROFILES. CONTRACTOR MUST HAVE A SET OF THE APPROVED DESIGN CONTAINING AN ORIGINAL DCDWM STAMP, A COPY OF THE DESIGN STANDARDS, CURRENT EDITION, ON SITE AT ALL TIMES.
  - CONTRACTOR SHALL ADHERE TO ALL FEDERAL, STATE, COUNTY, AND LOCAL LAWS, ORDINANCES AND REGULATIONS WHICH IN ANY MANNER AFFECT THE CONDUCT OF THE WORK, INCLUDING BUT NOT LIMITED TO INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
  - SANITARY SEWER CONSTRUCTION SHALL BE DONE IN OPEN TRENCHES AND IN A MANNER TO PROTECT LINES, SANITARY SEWERS OR STRUCTURES FROM UNUSUAL STRESSES.
  - CONTRACTOR SHALL PROVIDE FOR THE FLOW OF ALL SANITARY SEWERS OR DRAINS INTERRUPTED DURING THE PROGRESS OF THE WORK AND SHALL RESTORE SAME TO A PRECONSTRUCTION CONDITION.
  - AT THE START OF CONSTRUCTION CONTRACTOR SHALL INSTALL AN AIR PLUG IN THE FIRST PIPE LAD OUT OF THE ENTRANCE MANHOLE AND IN THE DOWNGRADE SIDE OF THE FIRST NEWLY INSTALLED MANHOLE. SAID PLUGS SHALL REMAIN IN PLACE UNTIL FINAL INSPECTION AND APPROVAL IS GIVEN BY DCDWM. CONTRACTOR MUST EXERCISE EXTREME CAUTION TO ENSURE PLUGS ARE NOT LOST IN TO THE GRAVITY SANITARY SEWER SYSTEM.
  - THE CONTRACTOR MUST COMPLY WITH ALL REQUIREMENTS OF THE DEKALB COUNTY SOIL EROSION AND SEDIMENT CONTROL ORDINANCE, THE PROVISIONS OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL (GEORGIA)" AND ANY SPECIAL CONDITION REQUIRED BY THE EPD ASSOCIATED WITH ANY VARIANCES ISSUED BY THE SAME, AND ANY SPECIAL CONDITIONS REQUIRED BY THE DCDWM INSPECTOR.
  - GRAVITY SANITARY SEWER LINES SHALL BE EITHER PVC, DUCTILE IRON PIPE, OR HDPE.
  - ALL SANITARY SEWERS PIPE AND FITTINGS SHALL BE MARKED IN ACCORDANCE WITH THE LATEST ASTM'S DESIGNATIONS. PIPE MARKINGS SHALL APPEAR AT INTERVALS OF FIVE (5) FEET OR LESS ON PIPE BARREL.
  - REFER TO DCDWM STANDARD MANUAL FOR ACCEPTABLE MATERIAL CLASSIFICATIONS.
  - MANHOLES SHALL BE PRECAST REINFORCED CONCRETE CONSTRUCTION MADE IN CONFORMANCE WITH THE LATEST EDITION OF THE MINIMUM WALL THICKNESS FOR A FOUR FOOT DIAMETER MANHOLE IS FIVE INCHES.
  - ALL EXCAVATION SHALL BE OPEN CUT UNLESS OTHERWISE INDICATED ON THE APPROVED DESIGN OR DIRECTED BY DCDWM. EXCAVATION BELOW TOPSOIL MAY BE PERFORMED BY MACHINE, BUT SHALL BE SUPPLEMENTED BY SUCH HAND DRESSING OR LEVELING AS MAY BE REQUIRED TO CONFORM TO THE LINES AND GRADES AS GIVEN BY DCDWM. REFER TO DCDWM TRENCH DETAIL IN CONSTRUCTION DETAILS.
  - THE FLOW IN SANITARY SEWERS, DRAINS, GUTTERS, OR WATER COURSES ENCOUNTERED DURING CONSTRUCTION SHALL BE ADEQUATELY PROVIDED FOR BY THE CONTRACTOR TO ENSURE THESE FLOWS DO NOT INTERFERE WITH THE PROSECUTION OF WORK, AND ARE MAINTAINED IN SUCH A WAY TO ENSURE CONTINUITY OF FLOW.
  - IF RAW SEWAGE IS ENCOUNTERED DURING PERFORMANCE OF THE WORK, THE CONTRACTOR MUST IMMEDIATELY STOP WORK AND SHALL NOTIFY DCDWM.
  - BEDDING MATERIAL SHALL BE IN ACCORDANCE WITH GDOT STANDARD SPECIFICATION SECTION 612, TYPE II FOUNDATION BACKFILL.
  - CONTRACTOR TO REFER TO DCDWM GRAVITY SANITARY SEWER DESIGN STANDARDS FOR INSTALLATION OF ALL SANITARY SEWER.

- GENERAL NOTES:**
- PROPERTY SIZE: 8.24 AC (358,934 SF)
  - THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001, ACCORDING TO LOMR (LETTER OF MAP REVISION) 07-04-310P-135159 EFFECTIVE FEB 20, 2008 THERE IS ZONE X SHALLOW FLOODING WITHIN SITE.
  - ALL PROPOSED MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED GRADE.
  - ALL BUILDINGS WILL BE SPRINKLERED AS REQUIRED BY THE FIRE CODE.
  - REFER TO MEP PLANS AND CONSTRUCTION DETAILS FOR DCDWM DETAILS REGARDING BACKFLOW PREVENTION FOR DOMESTIC AND FIRE.
  - WATERLINES TO HAVE PROPER BLOCKING PER REQUIREMENTS IN DCDWM STANDARDS.
  - ALL NEW HYDRANTS ARE TO BE INSTALLED PRIOR TO THE START OF BUILDING FRAMING.



IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

NOTE: CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. AS-BUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.



2	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE-ADDENDUM 2	02/21/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
4	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	04/28/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	05/17/11	JCR	JMK

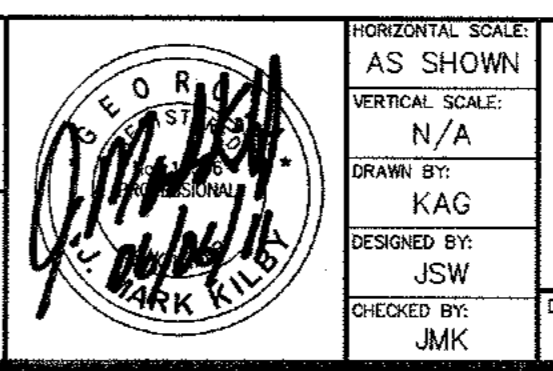
DATE: 01-27-11  
 DRAWN BY: JWS  
 CHECKED BY: JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 UTILITY PLAN**

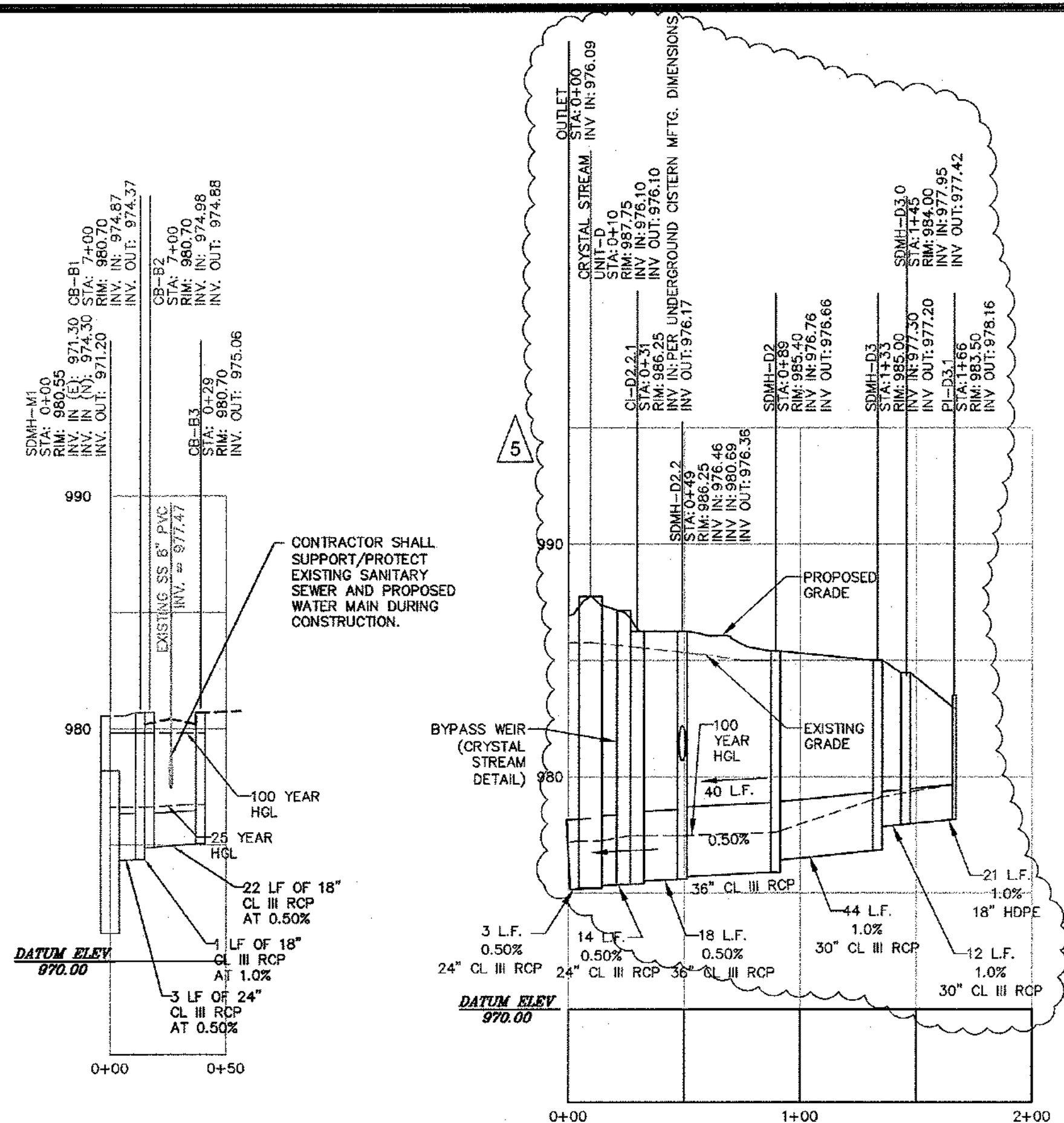


**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-13A of 35

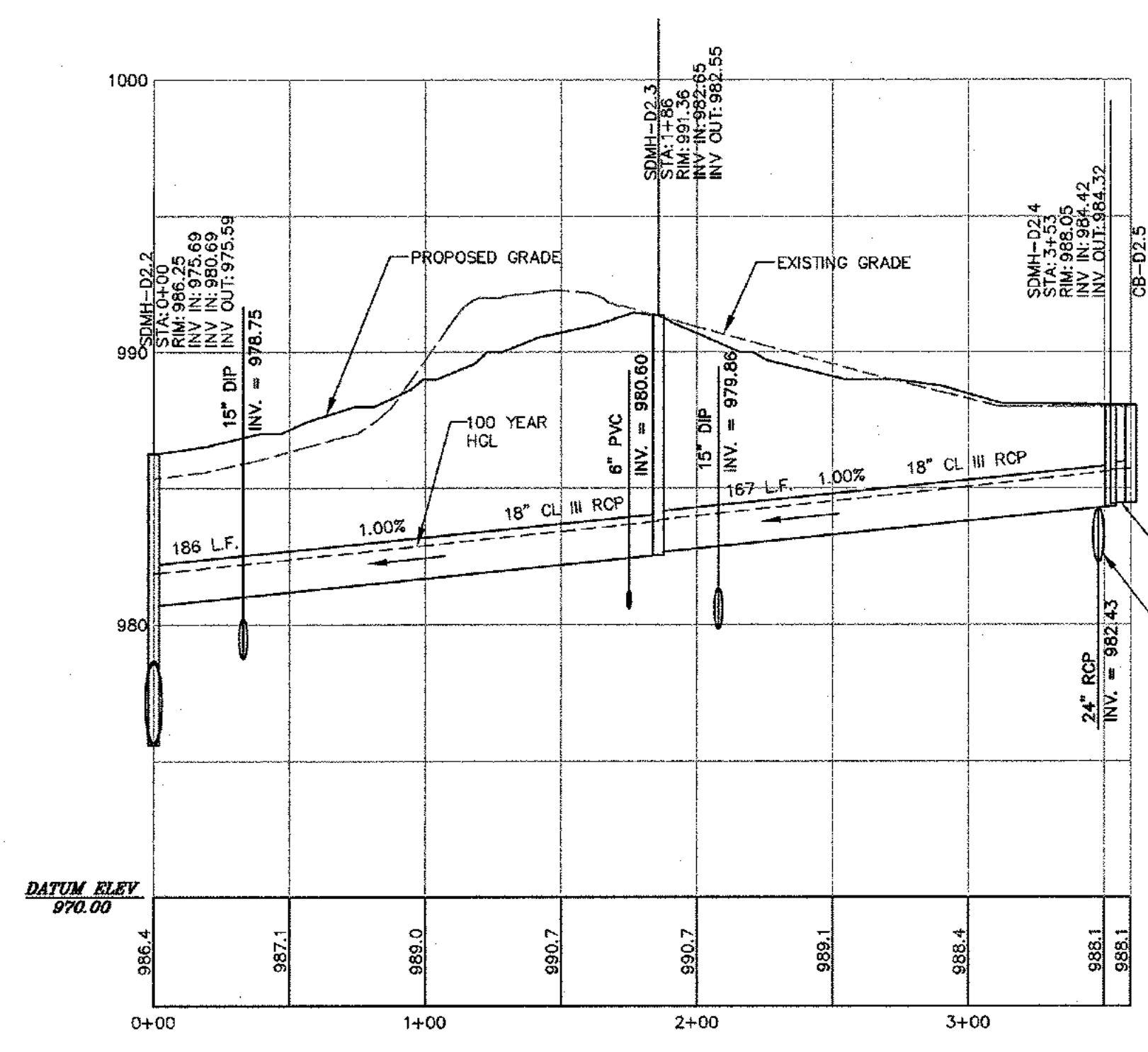
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Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_14\_P2-PROFILES.dwg Profiles-Storm Jun 06, 2011 10:37am by: ben.skdmore

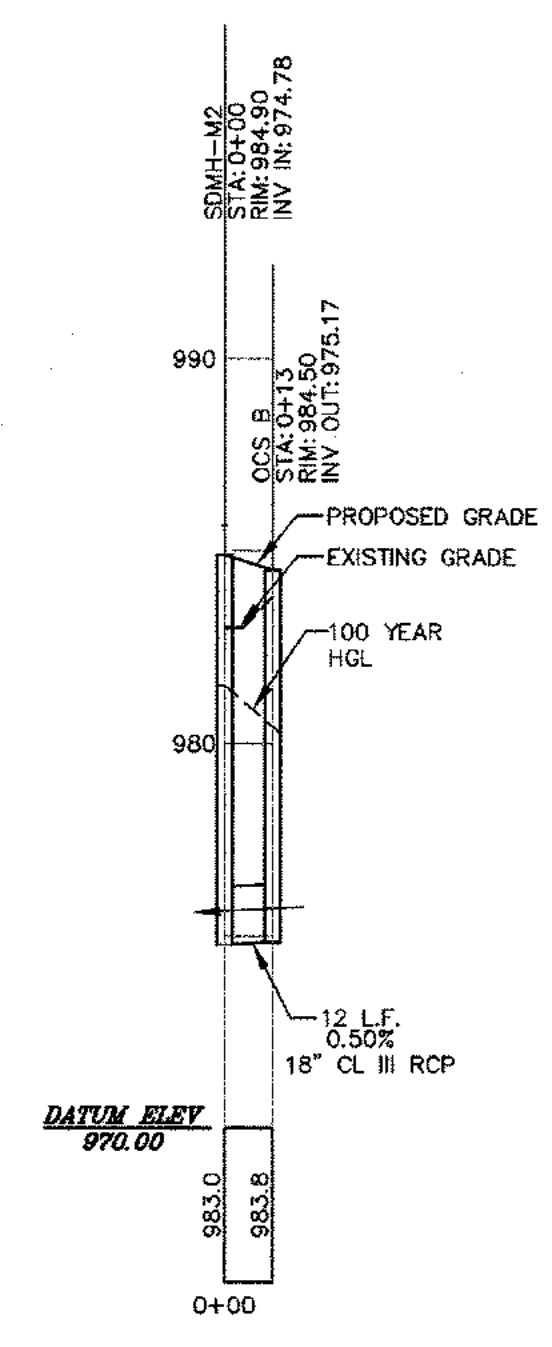


STORM LINE B

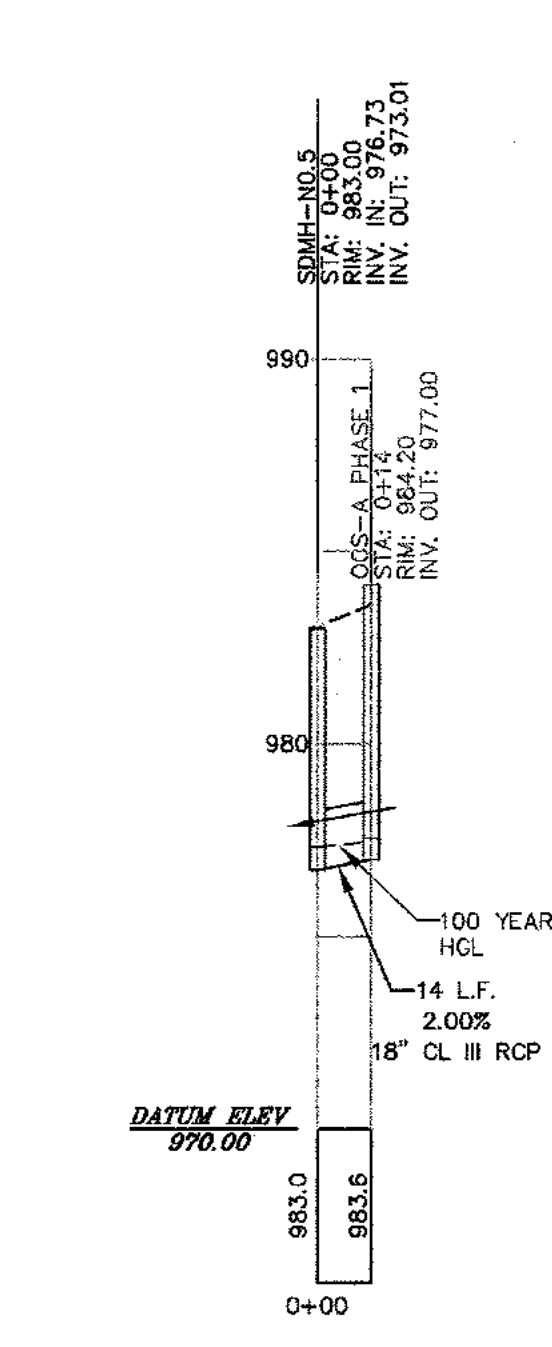
STORM LINE D2



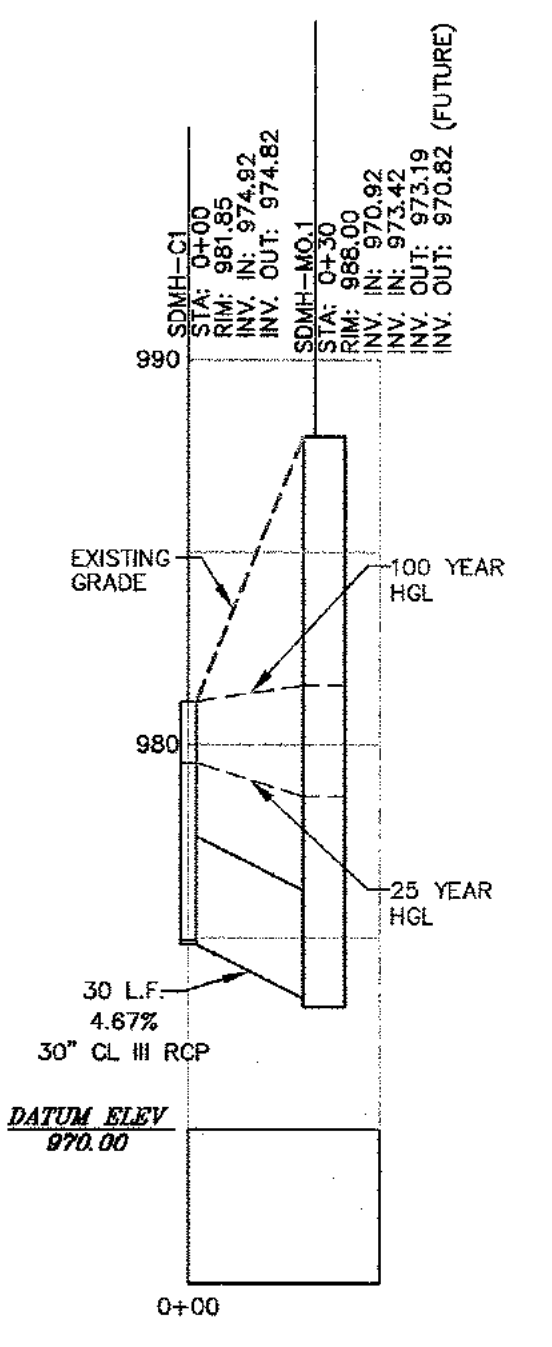
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STORM LINE DET PH2



STORM LINE DET PH1 ADJUSTMENT



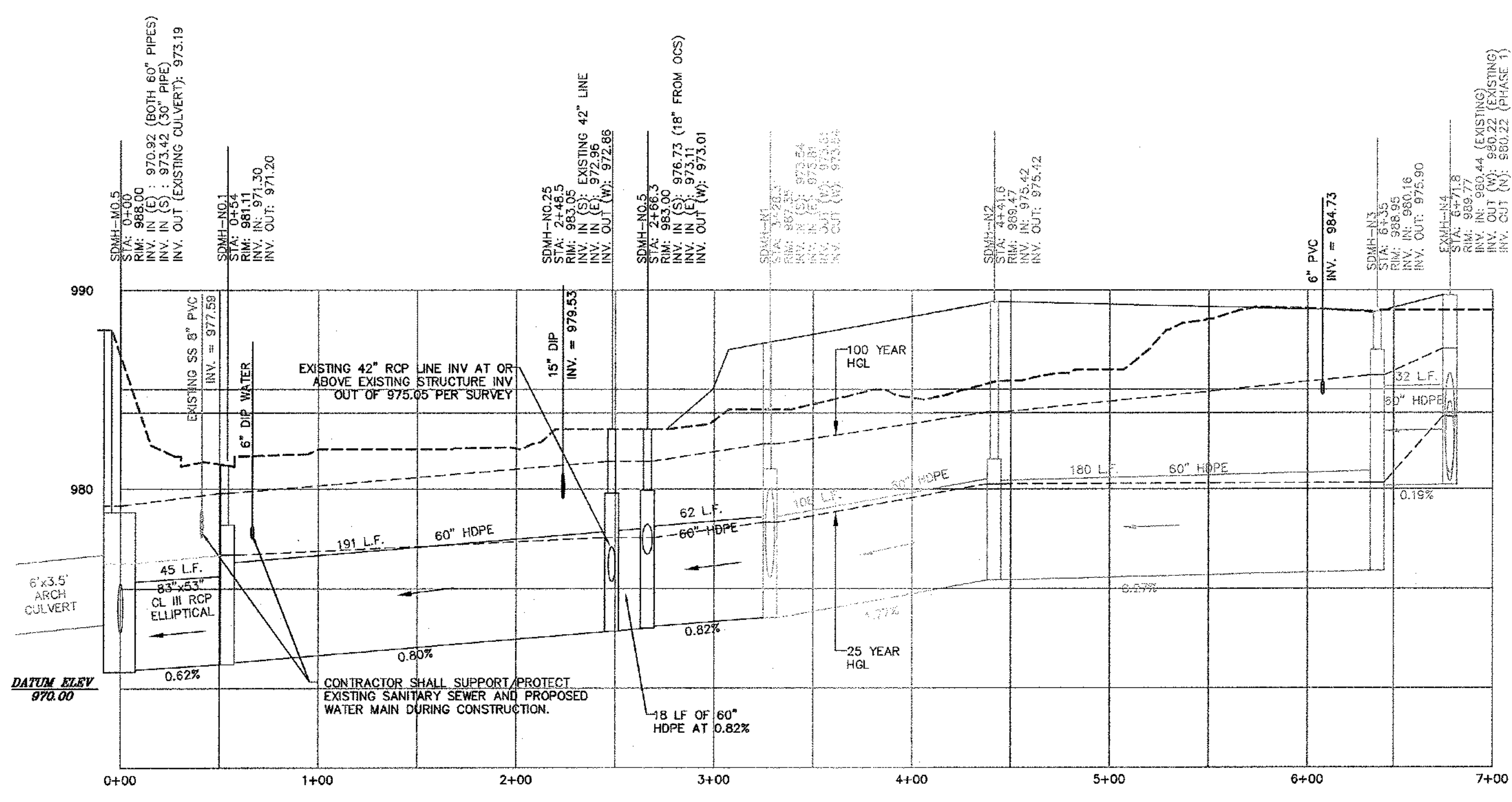
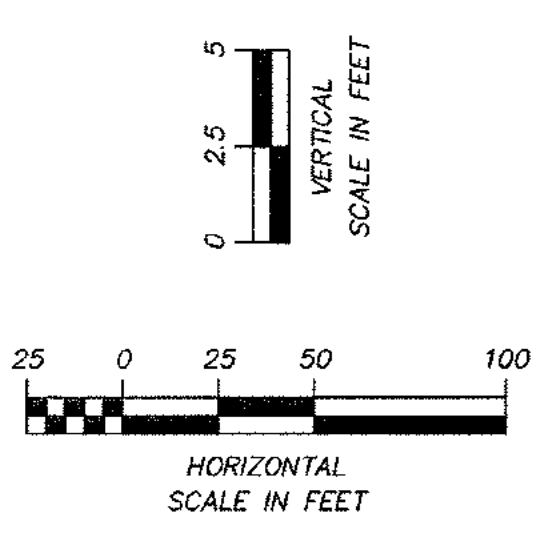
STORM LINE C1

**100-YR HYDRAULIC GRADE LINE NOTE**  
 HYDRAULIC GRADE LINE BASED ON FULL BUILD OUT OF CITY OF DECATUR STORMWATER PLAN FROM PEAVINE CREEK TRIBUTARY STORMWATER ANALYSIS PREPARED JUNE 3, 2010.

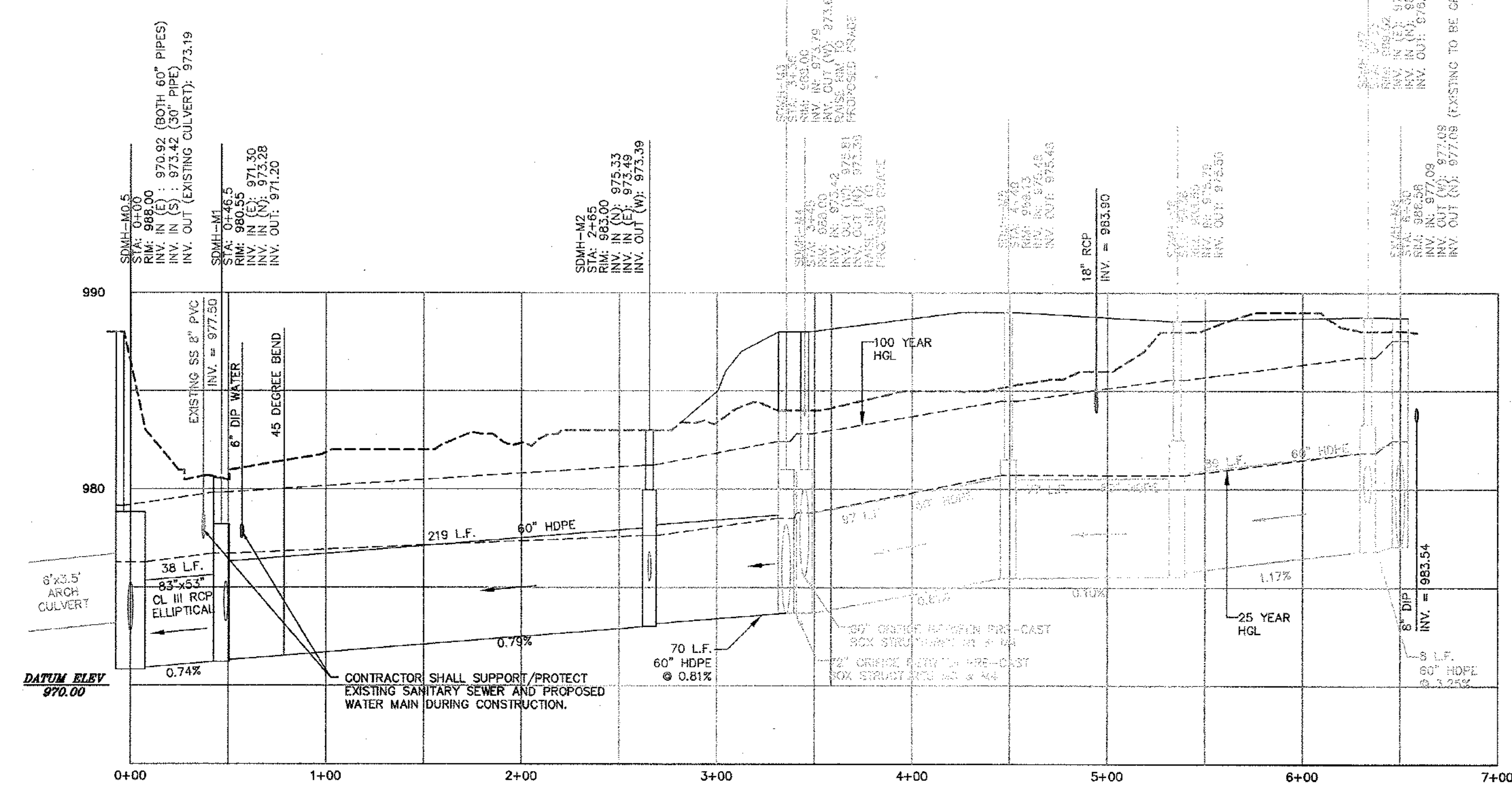
**STORM STRUCTURE NAMING KEY:**  
 PI - PEDISTAL INLET (NOT USED THIS PHASE)  
 YI - YARD INLET (NOT USED THIS PHASE)  
 CB - CATCH BASIN (GDOT 1034D)  
 CI - CURB INLET (GDOT 1019A TYPE E)  
 SMH - STORM MANHOLE (SEE DETAIL SHEET C-28)  
 DI - DROP INLET (SEE DETAIL SHEET C-28 - TYPE C)  
 CS - CRYSTAL STREAM (SEE DETAIL SHEET C-29)  
 OCS - OUTLET CONTROL STRUCTURE (SEE SHEET C-12)



Know what's below.  
 Call before you dig.



STORM LINE N



STORM LINE M

2	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE-ADDENDUM 2	02/21/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
4	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	04/28/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	05/17/11	JCR	JMK

DATE:	DRAWN BY:	CHECKED BY:

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 PROFILES- STORM**

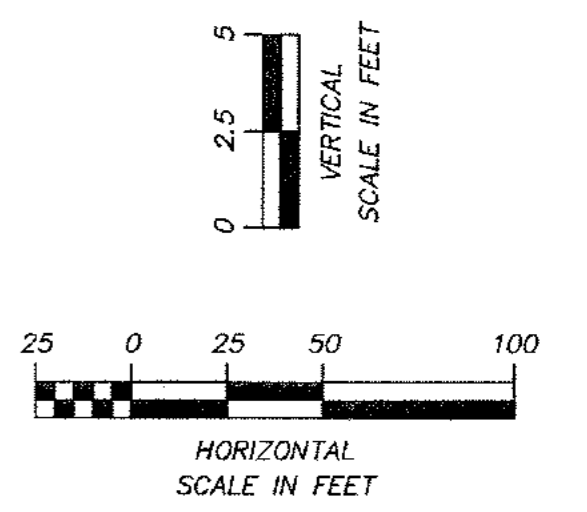
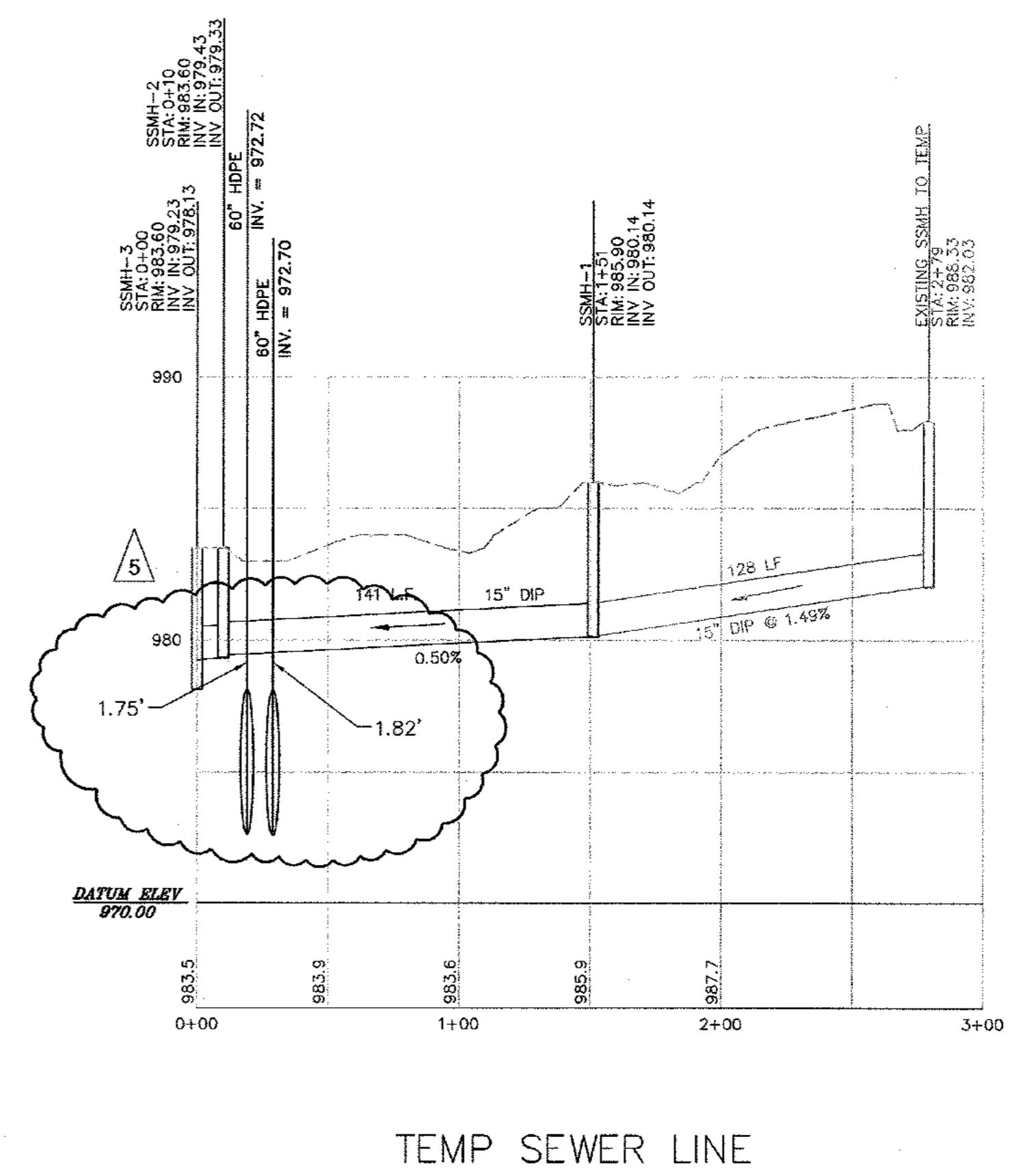
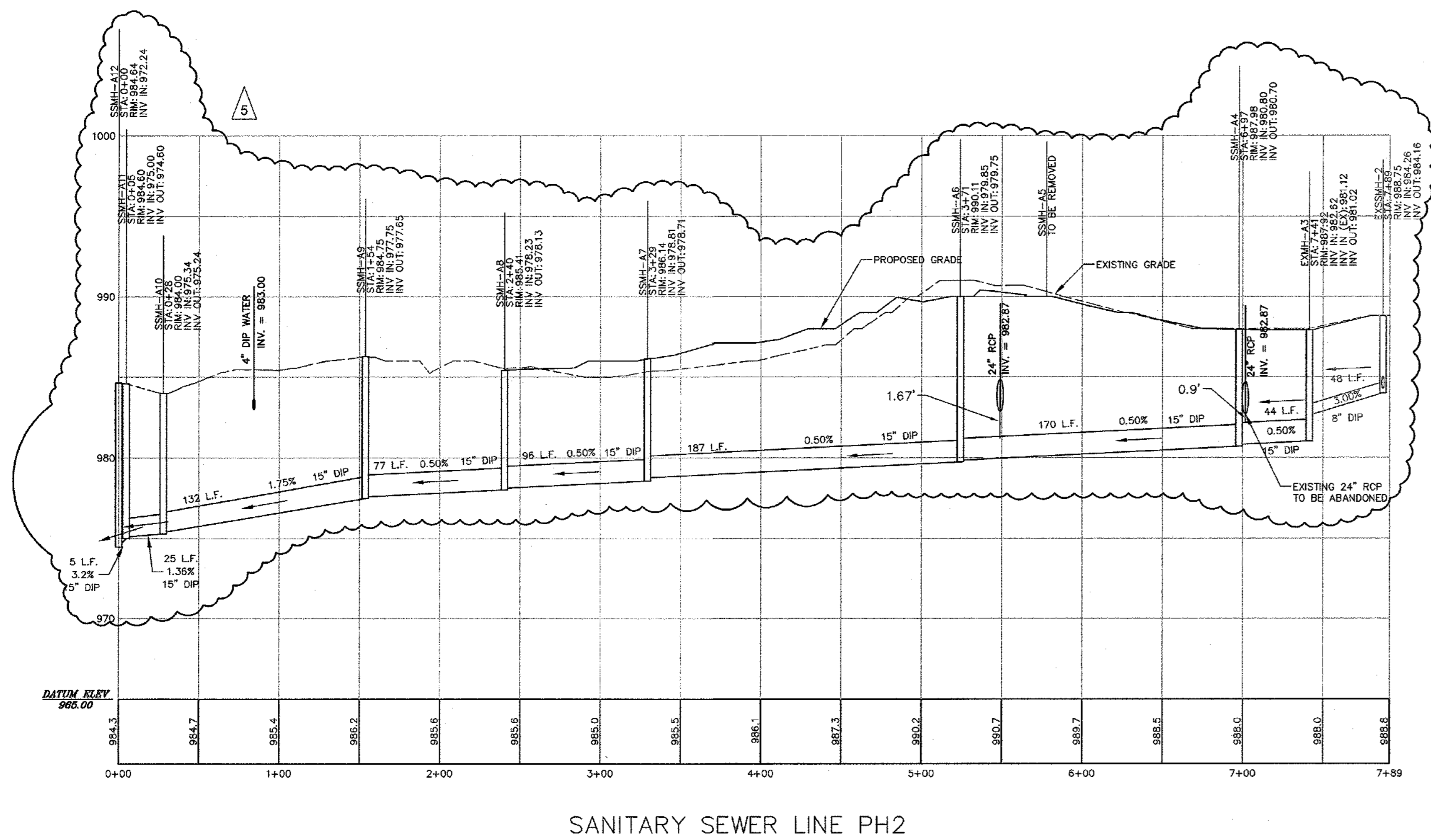
DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-14 of 35

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_14\_P2-PROFILES.dwg Profiles - Sanitary Jun 06, 2011 10:38am by: ben.skidmore

**STORM STRUCTURE NAMING KEY:**

- PI - PEDISTAL INLET (NOT USED THIS PHASE)
- YI - YARD INLET (NOT USED THIS PHASE)
- CB - CATCH BASIN (NOT USED THIS PHASE)
- CI - CURB INLET (NOT USED THIS PHASE)
- SMH - STORM MANHOLE (SEE DETAIL SHEET C-28)
- DI - DROP INLET (SEE DETAIL SHEET C-28 - TYPE C)
- CRYSTAL STREAM (SEE DETAIL SHEET C-29)
- OCS - OUTLET CONTROL STRUCTURE (SEE SHEET C-12)



REV. No.	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	DATE	DRAWN BY	CHECKED BY
5		05/17/11	JCR	JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 PROFILES- SANITARY SEWER**

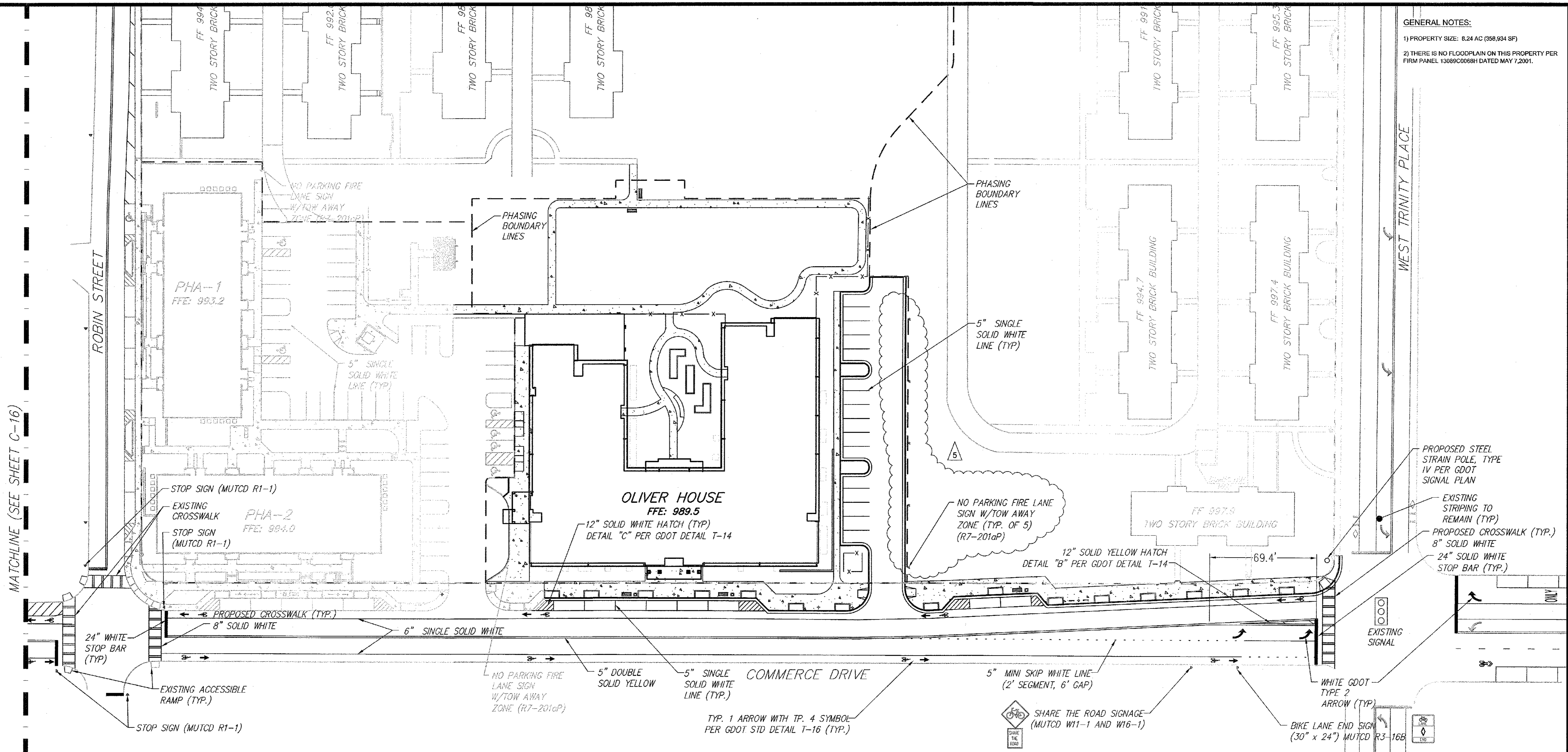
**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**

LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01 - 27 - 11 JOB NUMBER: 019636000 SHEET NUMBER: C-14A of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_15\_P2-SIGNING AND MARKING.dwg SITE-PH2 Jun 06, 2011 10:38am by: ben.skidmore

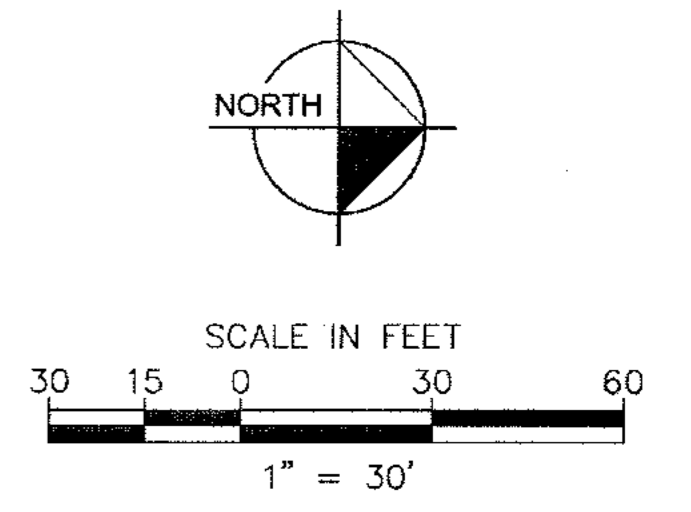
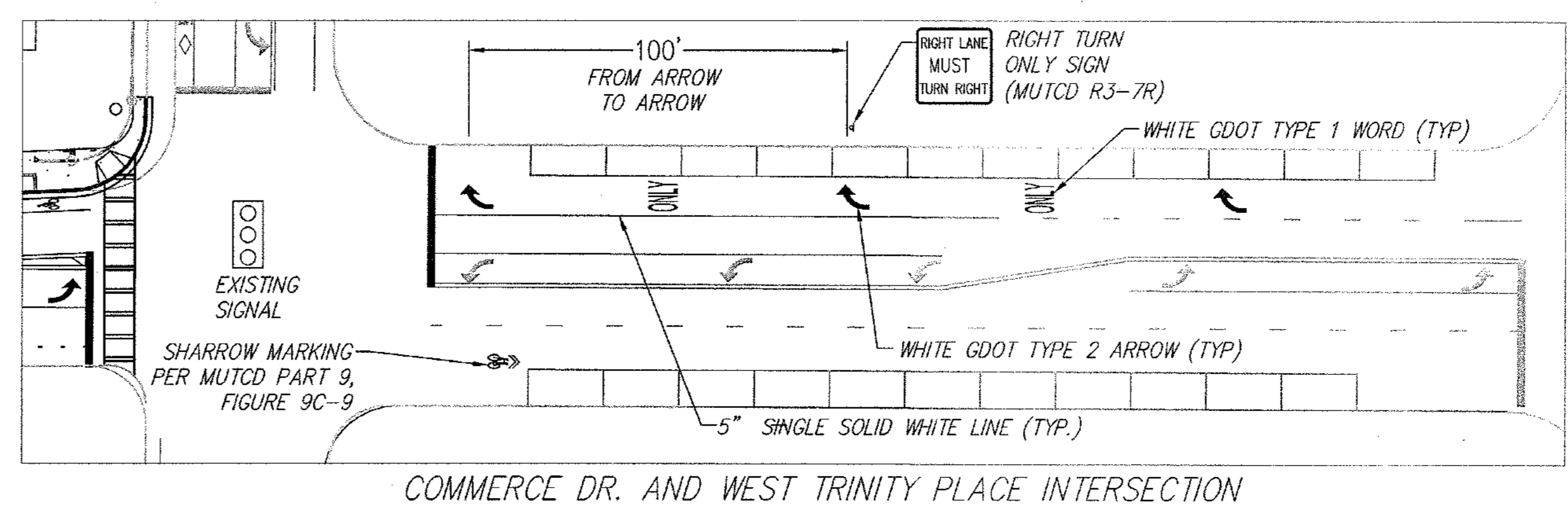
**GENERAL NOTES:**  
 1) PROPERTY SIZE: 8.24 AC (358,934 SF)  
 2) THERE IS NO FLOODPLAIN ON THIS PROPERTY PER FIRM PANEL 13089C0068H DATED MAY 7, 2001.



CONTRACTOR SHALL REMOVE EXISTING STRIPING THAT IS SUPERCEDED BY PROPOSED STRIPING

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

- SIGNING AND STRIPING NOTES:**
- ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
  - ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
  - RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS.
  - ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, WITH THE EXCEPTION OF BICYCLE FIGURES AND ARROWS IN THE BIKE LANE.
  - ALL SIGNS SHALL BE 080 ALUMINUM AND HAVE TYPE 3 HIGH INTENSITY SHEETING OR BETTER.
  - ALL SIGNS SHALL BE MOUNTED ON TYPE 7 SQUARE TUBE POSTS WITH BREAK-AWAY SUPPORTS.
  - ALL SIGNS SHALL BE MOUNTED AT 7'-0" ABOVE FINISHED GRADE.
  - "NO PARKING FIRE LANE" SIGNS SHALL BE SPACED AT A MAXIMUM OF 40' ON CENTER.



REV. NO.	DATE	DRAWN BY	CHECKED BY
3	03/15/11	BWS	JMK
4	04/28/11	BWS	JMK
5	05/17/11	JCR	JMK

REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION  
 REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS  
 REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

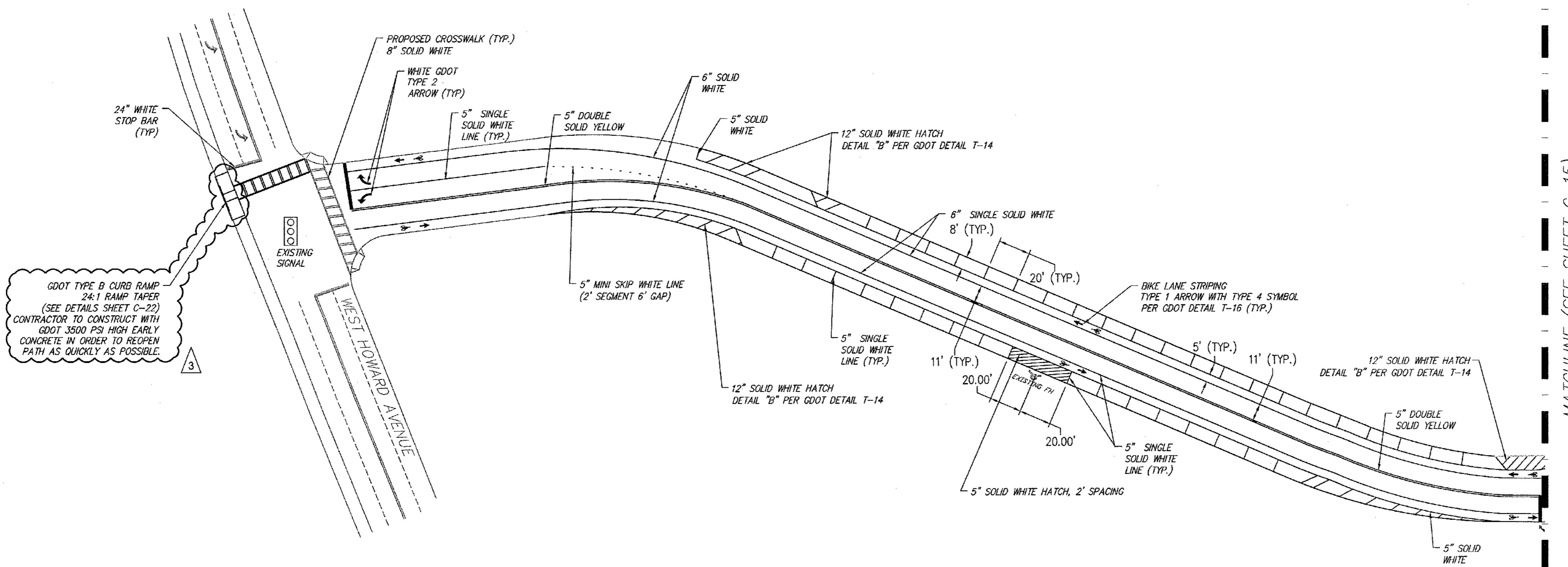
TITLE: **PHASE 2 SIGNING AND MARKING PLAN**

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-15 of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_15\_P2-SIGNING AND MARKING.dwg HOWARD Apr 29, 2011 9:52am by: ben.skidmore

- SIGNING AND STRIPING NOTES:**
1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
  2. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
  3. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS.
  4. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, WITH THE EXCEPTION OF BICYCLE FIGURES AND ARROWS IN THE BIKE LANE.
  5. ALL SIGNS SHALL BE 080 ALUMINUM AND HAVE TYPE 3 HIGH INTENSITY SHEETING OR BETTER.
  6. ALL SIGNS SHALL BE MOUNTED ON TYPE 7 SQUARE TUBE POSTS WITH BREAK-AWAY SUPPORTS.
  7. ALL SIGNS SHALL BE MOUNTED AT 7'-0" ABOVE FINISHED GRADE.

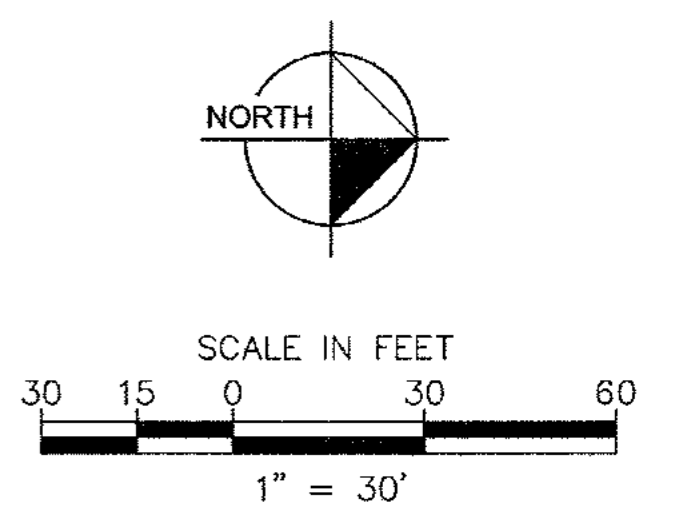


GOOT TYPE B CURB RAMP  
24:1 RAMP TAPER  
(SEE DETAILS SHEET C-22)  
CONTRACTOR TO CONSTRUCT WITH  
GOOT 3500 PSI HIGH EARLY  
CONCRETE IN ORDER TO REOPEN  
PATH AS QUICKLY AS POSSIBLE.

MATCHLINE (SEE SHEET C-15)

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

NOTE: CONTRACTOR MUST PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS TO OWNER. AS-BUILT DRAWINGS MUST BE PREPARED AND SEALED BY A GEORGIA REGISTERED LAND SURVEYOR.



REV. No.	DATE	DRAWN BY	CHECKED BY
3	03/15/11	BWS	JMK
REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION			

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 OFF-SITE SIGNING AND MARKING PLAN**

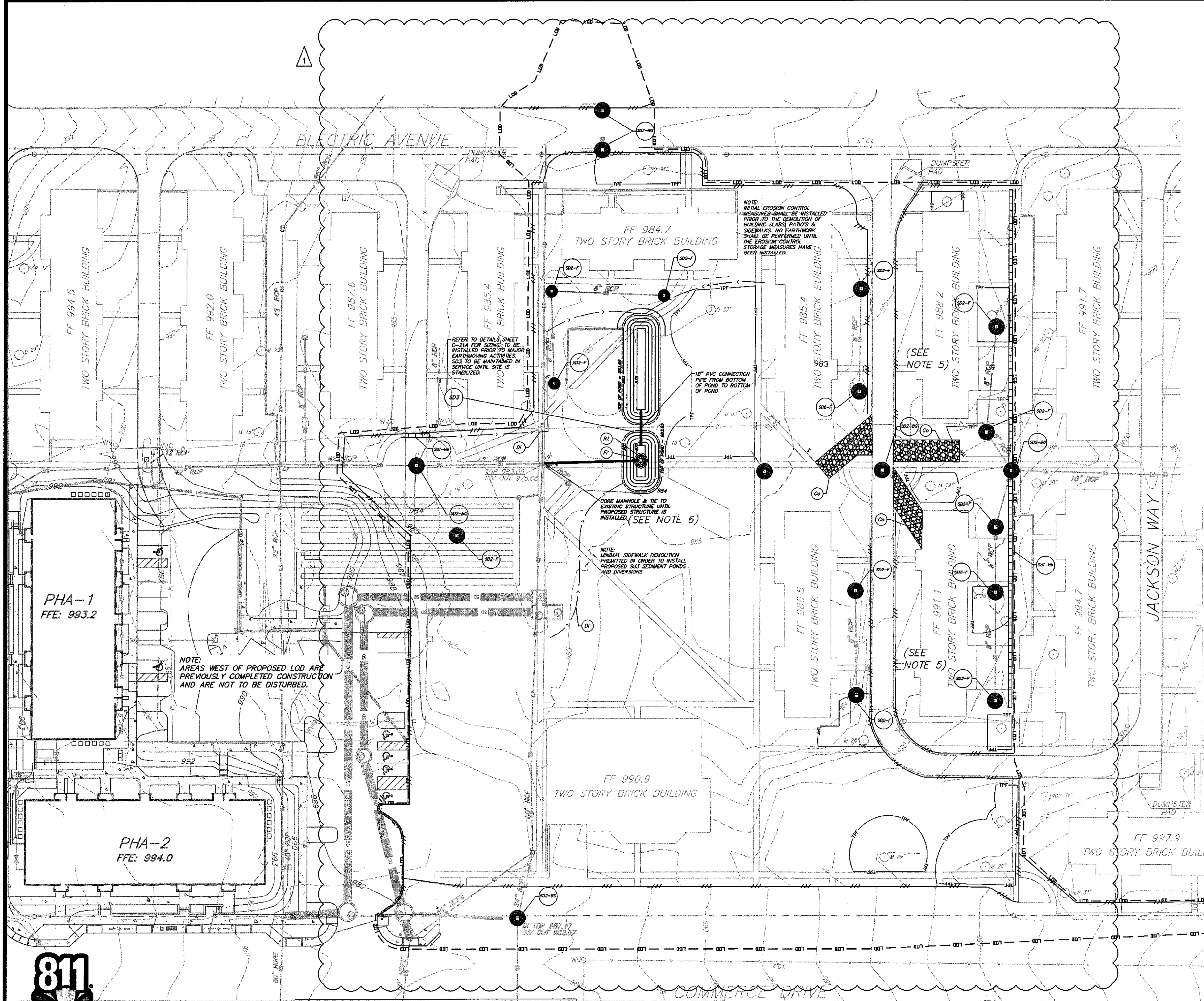
**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11 JOB NUMBER: 019636000 SHEET NUMBER: C-16 OF 35





Drawing name: K:\MT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_1B\_P2-ESP.dwg PH1 Jul 07, 2011 5:51pm by: brion.clouser



**EROSION CONTROL LEGEND:**

	STORM DRAIN DROP INLET
	STORM DRAIN CURB INLET
	STORM DRAIN YARD INLET
	SILT FENCE
	CONSTRUCTION LIMITS
	HAY BALE SEDIMENT BARRIER
	SD2 INLET PROTECTION
	FILTER RING
	RETROFIT

GEORGIA  
UNIFORM CODING SYSTEM  
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES  
STATE SOIL AND WATER CONSERVATION COMMISSION OF GEORGIA  
STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
C4	CRACKMAN			A small temporary barrier of dense vegetation or straw mulch placed at the edge of a construction site to prevent erosion.
Co	CONSTRUCTION ERT			A crushed stone pad located at the construction site exit to provide a firm surface for heavy machinery and prevent soil from being tracked onto adjacent roads.
D1	DIVERSION			An earth channel or dike located at the construction site exit to prevent erosion and sediment from being tracked onto adjacent roads.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be made of straw, hay, or other natural materials, or it may be made of plastic sheeting or geotextile fabric. The barrier is usually temporary and impermeable.
Sd2	SD2 INLET PROTECTION			An impeding area created by spreading straw or other material. The impeding area will be filled out and stabilized as construction progresses.
Sd3	TEMPORARY SEDIMENT BARRIER			A berm created by excavation or a dike of earth or other material. The berm will be filled out and stabilized as construction progresses.

NOTES:  
1) EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO DEMOLITION OF BUILDING SLABS, PATIO'S, AND SIDEWALKS.  
2) ALL SOILS IN PHASE 1 ARE U4 (URBAN LAND).  
3) ANY REVISIONS/AMENDMENTS TO ES&P PLAN WHICH HAVE A SIGNIFICANT HYDRAULIC COMPONENT WILL BE CERTIFIED BY THE PROFESSIONAL DESIGNER

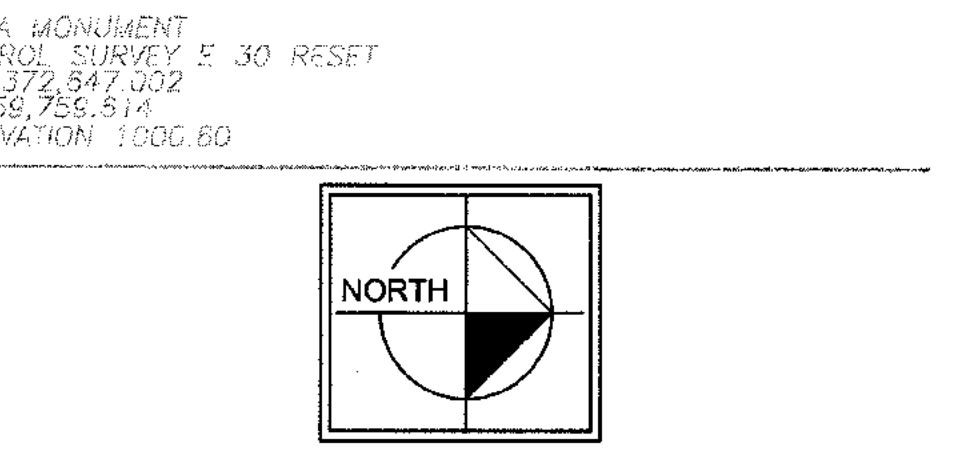
**GSWCC** Georgia Soil and Water Conservation Commission  
**MARK KILBY**  
Level II Certified Design Professional  
CERTIFICATION NUMBER: 0000006922  
ISSUED: 03/11/2009 EXPIRES: 03/11/2012

VEGETATIVE MEASURES

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seeding may not have a suitable growing medium to produce an erosion reducing cover.
Ds2	DISTURBED AREA STABILIZATION (WITH SEEDING)		Ds2	Establishing temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		Ds3	Establishing permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Mb	EROSION CONTROL MATS AND BLANKETS		Mb	The installation of a protective covering (blanket) or soil stabilization mat on a proposed planting area of a steep slope, channel, or abutment.

STATE SOIL AND WATER CONSERVATION COMMISSION OF GEORGIA

NOTES:  
1. CONSTRUCTION FENCING OR SILT FENCE SHALL NOT OBSTRUCT TRAFFIC FLOW ON JACKSON WAY. ALL SD2'S IN JACKSON WAY SHALL BE GRAVEL BAGS, SILT SACK, OR TRIANGULAR SILT DIKE TO ALLOW FOR TRAFFIC FLOW.  
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF EXISTING DUMPSTERS WITH THE CITY OF DECATUR SANITATION SERVICES.  
3. CONTRACTOR SHALL DETERMINE IN THE FIELD IF ANY ADDITIONAL UTILITY DISCONNECTION, RELOCATIONS, OR ABANDONMENTS ARE REQUIRED. CONTRACTOR SHALL ENSURE THAT UTILITIES FOR THE BUILDINGS TO REMAIN ARE NOT AFFECTED.  
4. ALL AREAS WITHIN LIMITS OF DISTURBANCE ARE PREVIOUSLY DEVELOPED AREAS OF SOIL TYPE U4. AS SUCH THERE IS NO DELIENATION SHOWN ON PLANS.  
5. CONTRACTOR SHALL BACKFILL BUILDING FOUNDATIONS, GRADE DISTURBED AREAS AND STABILIZE DISTURBED AREAS WITH GRASS OR GRAVEL WITHIN 7 DAYS OF REMOVAL OF BUILDING SLABS. CONTRACTOR SHALL WATER GRASS AS REQUIRED TO ESTABLISH GRASS STABILIZATION.  
6. NPDES SAMPLING POINT DURING PHASE 1. GRAB SAMPLE WILL BE OBTAINED FROM EXISTING MANHOLE UPSTREAM AND DOWNSTREAM OF Sd-3 DISCHARGE.



**811**  
Know what's below.  
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IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

REV. NO.	DATE	BY	CHECKED BY
1	07/08/11	BDC	JMK

REVISIONS PER CITY OF DECATUR COMMENTS

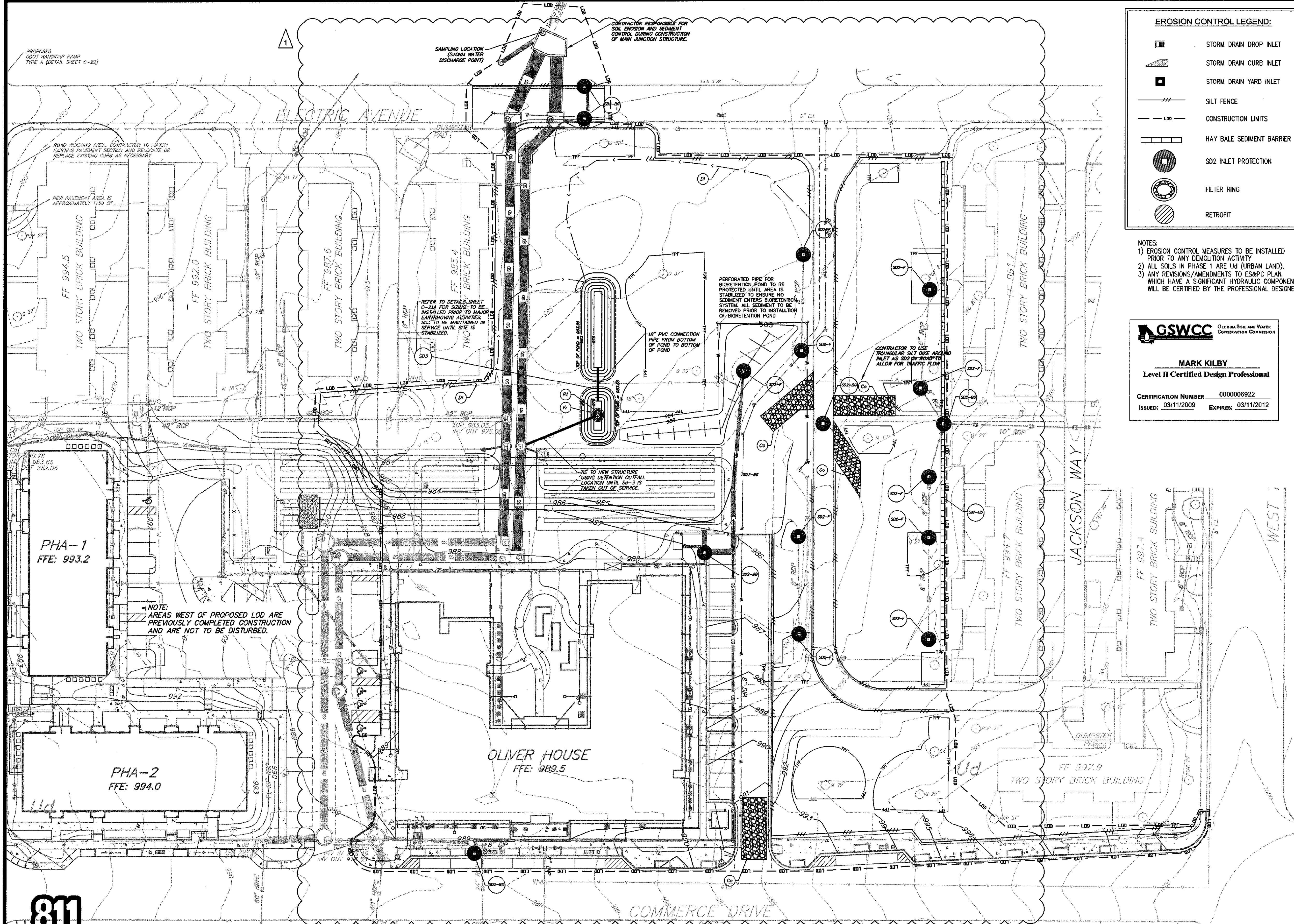
PREPARED IN THE OFFICE OF:  
**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305  
TITLE: **PHASE 2 EROSION SEDIMENTATION & POLLUTION CONTROL PLAN - PHASE 1**

**MARK KILBY**  
Level II Certified Design Professional

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA  
DATE: 01-27-11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-18 of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CONSTR\PHASE 2\019636000\_18\_P2-ESCP.dwg PH2 Jul 08, 2011 10:25am by: brim.couser



**EROSION CONTROL LEGEND:**

	STORM DRAIN DROP INLET
	STORM DRAIN CURB INLET
	STORM DRAIN YARD INLET
	SILT FENCE
	CONSTRUCTION LIMITS
	HAY BALE SEDIMENT BARRIER
	SD2 INLET PROTECTION
	FILTER RING
	RETROFIT

**NOTES:**  
 1) EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO ANY DEMOLITION ACTIVITY  
 2) ALL SOILS IN PHASE 1 ARE UD (URBAN LAND).  
 3) ANY REVISIONS/AMENDMENTS TO ES&PC PLAN WHICH HAVE A SIGNIFICANT HYDRAULIC COMPONENT WILL BE CERTIFIED BY THE PROFESSIONAL DESIGNER

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION  
**MARK KILBY**  
 Level II Certified Design Professional  
 CERTIFICATION NUMBER: 000006922  
 ISSUED: 03/11/2009 EXPIRES: 03/11/2012

GEORGIA  
 UNIFORM CODING SYSTEM  
 FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES  
 STATE SOIL AND WATER CONSERVATION COMMISSION OF GEORGIA  
 STRUCTURAL PRACTICES

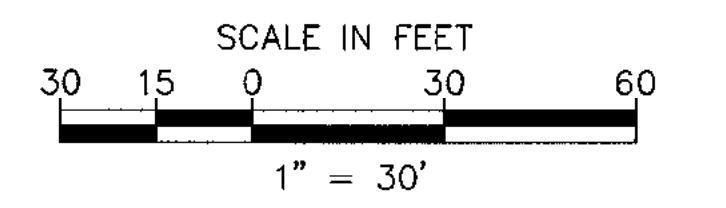
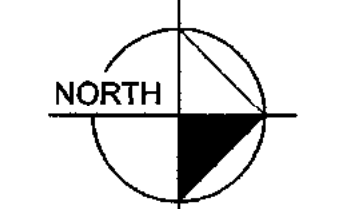
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECK DAM			A small temporary barrier or dam constructed across a stream or ditch to slow or stop the flow of water.
Co	CONSTRUCTION EROSION CONTROL			A method of soil stabilization used to prevent erosion on construction sites by covering soil from the sun and wind.
Di	DITCH			An earth channel or ditch located along a slope or across a slope to divert runoff. This may be a temporary or permanent structure.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be constructed of straw, hay, brush, logs and other materials.
Sd2	INLET SEDIMENT TRAP			An impounding area created by extending around a storm drain inlet. The impounded area will filter and detain sediment before it enters the storm drain.
Sd3	TEMPORARY SEDIMENT BARRIER			A barrier constructed by excavation or a curb across the roadway to temporarily detain sediment before it enters the storm drain.

**VEGETATIVE MEASURES**

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seeding may not have a suitable growing season to produce an erosion retaining cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)		Ds2	Establishing temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		Ds3	Establishing permanent vegetative cover such as trees, shrubs, vines, grasses, sod or legumes on disturbed areas.
Mb	EROSION CONTROL MATTING AND BLANKETS		Mb	The installation of a protective covering (blanket) or soil stabilization mat on a prepared grading area of a steep slope, channel, or structure.

STATE SOIL AND WATER CONSERVATION COMMISSION OF GEORGIA

MARTA MONUMENT CONTROL SURVEY IS 30 RESET  
 N=1,372,847.902  
 E=459,753.614  
 ELEVATION 1000.60



Know what's below.  
 Call before you dig.

IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

REV. No.	DATE	DRAWN BY	CHECKED BY
1	07/08/11	BDC	JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

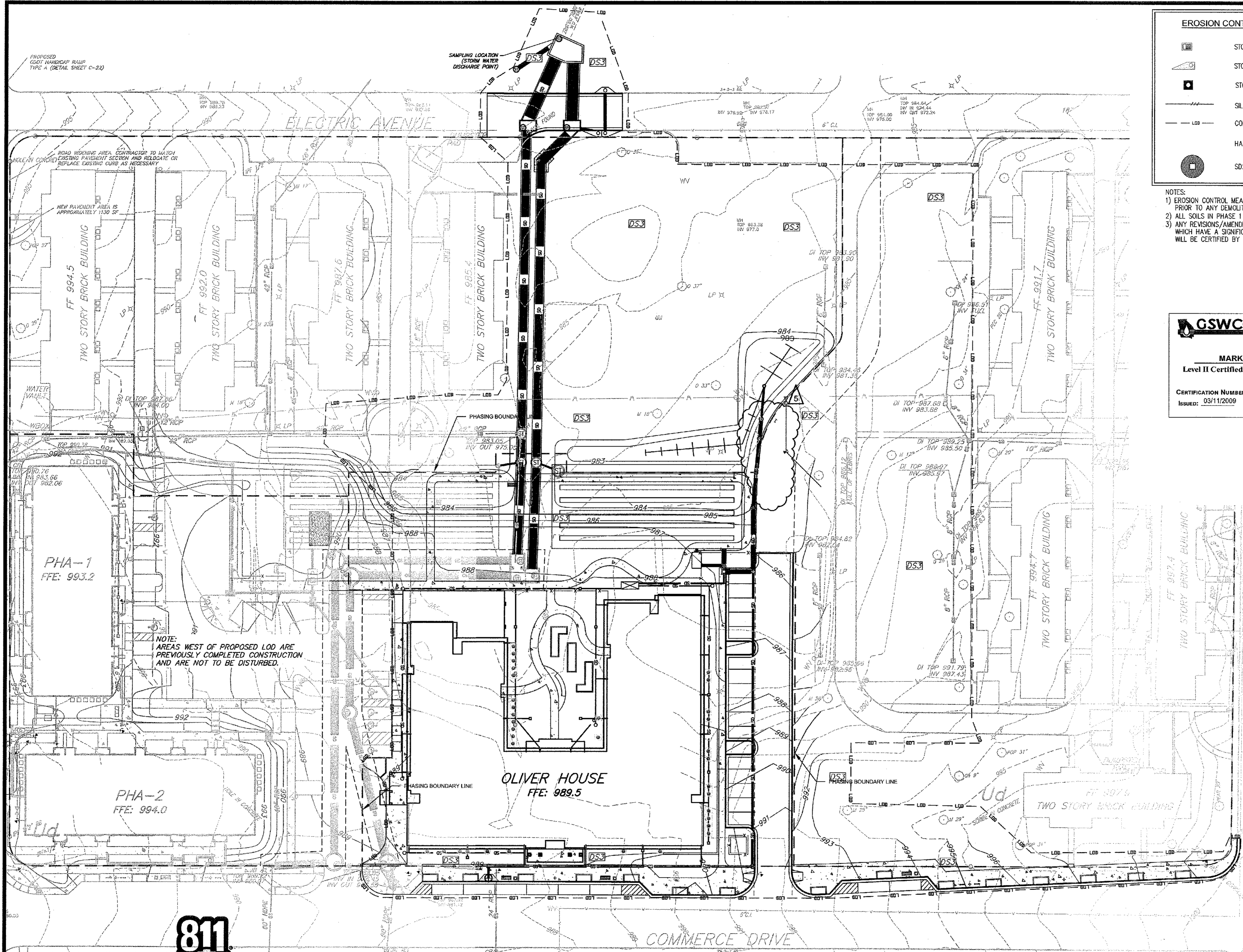
TITLE: **PHASE 2 EROSION SEDIMENTATION & POLLUTION CONTROL PLAN - PHASE 2**

DESIGNED BY: KAG  
 CHECKED BY: JMW  
 DATE: 01-27-11

JOB NUMBER: 019636000

SHEET NUMBER: C-19 of 35

Drawing name: k:\AMT\_CIVIL\_019636000\_HADP Architecture - Allen Wilson Terrace\GADD\CONSTR\PHASE 2\019636000\_18\_P2\_ESCP.dwg PH-3 Jun 06, 2011 10:38am by: ben.skidmore



**EROSION CONTROL LEGEND:**

	STORM DRAIN DROP INLET
	STORM DRAIN CURB INLET
	STORM DRAIN YARD INLET
	SILT FENCE
	CONSTRUCTION LIMITS
	HAY BALE SEDIMENT BARRIER
	SD2 INLET PROTECTION

**NOTES:**  
 1) EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO ANY DEMOLITION ACTIVITY  
 2) ALL SOILS IN PHASE 1 ARE U<sub>d</sub> (URBAN LAND)  
 3) ANY REVISIONS/AMENDMENTS TO ES&P PLAN WHICH HAVE A SIGNIFICANT HYDRAULIC COMPONENT WILL BE CERTIFIED BY THE PROFESSIONAL DESIGNER

GEORGIA  
 UNIFORM CODING SYSTEM  
 FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES  
 STATE SOIL AND WATER CONSERVATION COMMISSION OF GEORGIA  
 STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
(Cd)	CHEDEAM			A small temporary barrier or curb constructed across a roadway, driveway or area of construction.
(Co)	CONSTRUCTION BARR			A crushed stone pad located at the construction site used to provide a base for retaining and protecting the nearby existing public streets.
(Di)	DIVERSION			An earth mound or the located down, later, or across a slope to divert runoff. This may be a temporary or permanent structure.
(Sd1)	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be a sandbag, straw, hay, brush, or other material placed across a roadway or driveway. The barrier is usually temporary and inoperative.
(Sd2)	INLET SEDIMENT TRAP			An impounding area created by surrounding a storm drain inlet. The impounded area will be filled and cleaned at completion of construction activities.
(Sd3)	TEMPORARY SEDIMENT BARR			A berm created by mounding or a curb across the roadway. The berm may be used to temporarily divert runoff along the side of the roadway to a dry well.

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**MARK KILBY**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: 000006922  
 ISSUED: 03/11/2009 EXPIRES: 03/11/2012

**VEGETATIVE MEASURES**

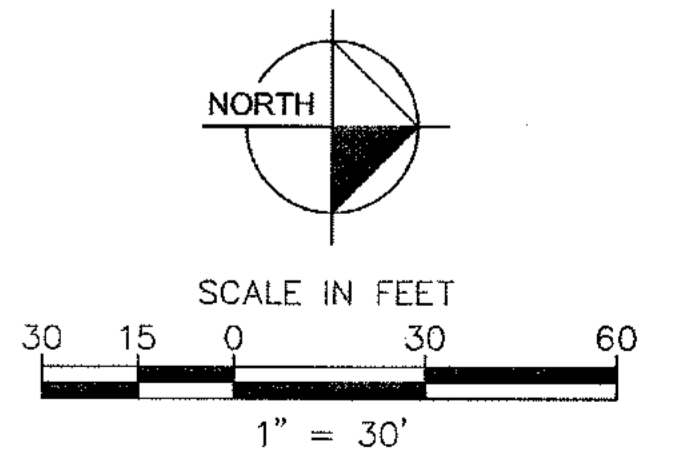
	Ds1	Establishing temporary protection for disturbed areas where seeding may not have a suitable growing season to produce an erosion retarding cover.
	Ds2	Establishing temporary vegetative cover with fast growing seedlings on disturbed areas.
	Ds3	Establishing permanent vegetative cover such as trees, shrubs, grasses, sod, or legumes on disturbed areas.
	Mb	The installation of a protective covering (blanket) or soil stabilization mat on a proposed planting area of a steep slope, channel, or shoreline.

STATE SOIL AND WATER CONSERVATION COMMISSION OF GEORGIA



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2	PEAVINE CREEK INTERIM DRAINAGE STRUCTURE-ADDENDUM 2	02/21/11	BWS	JMK
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	05/17/11	JCR	JMK
REV. No.	DATE	DRAWN BY	CHECKED BY	

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

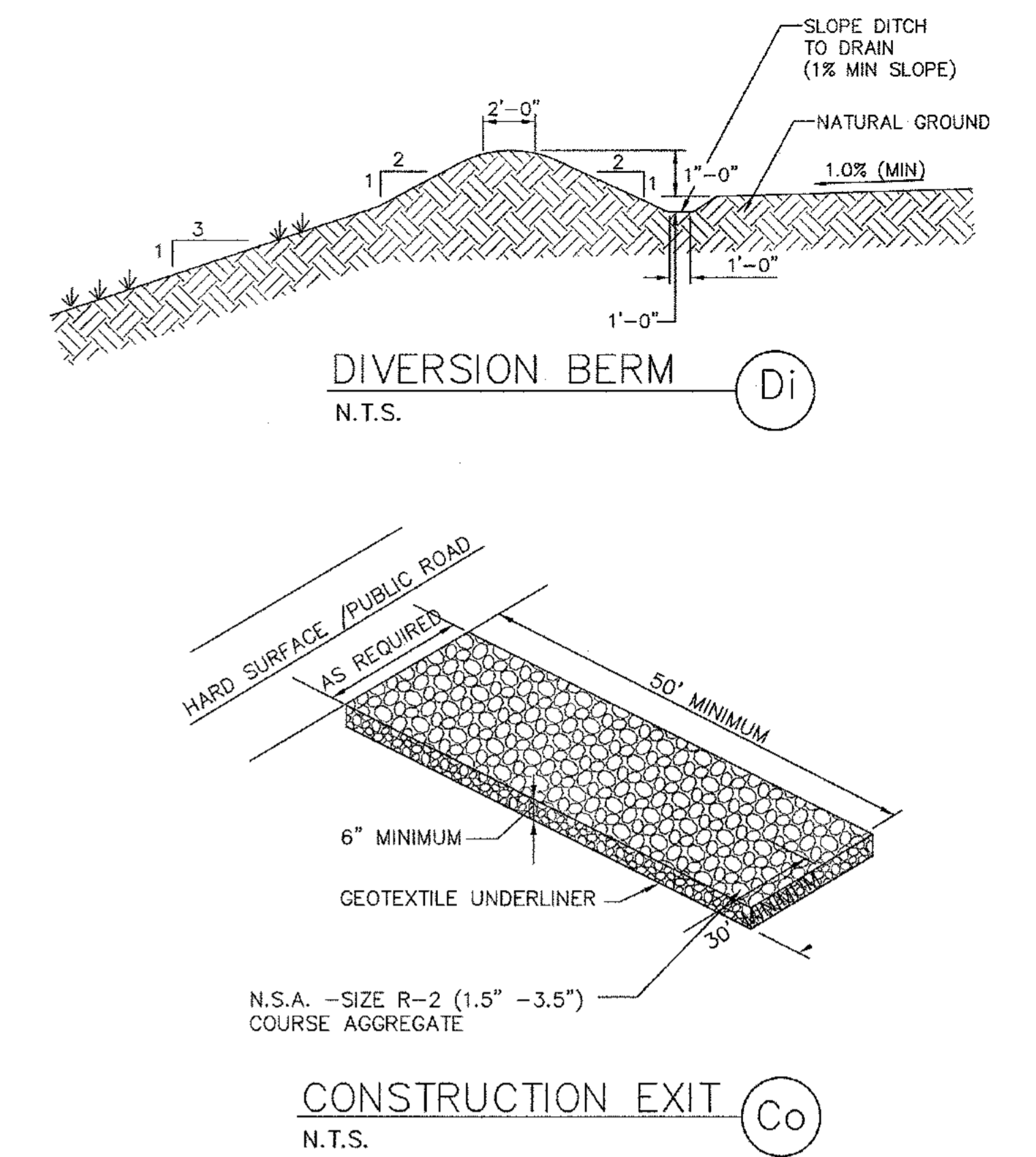
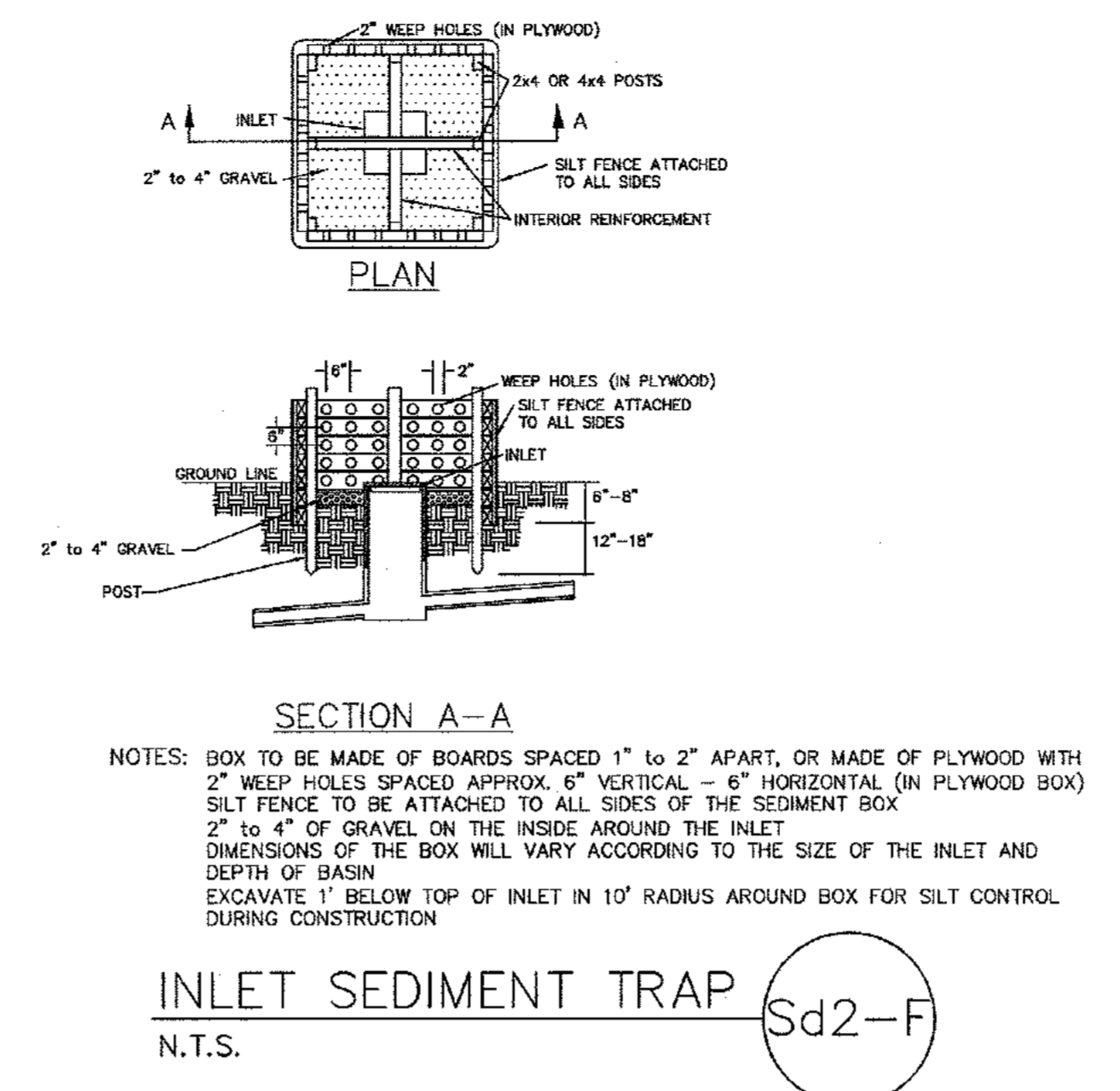
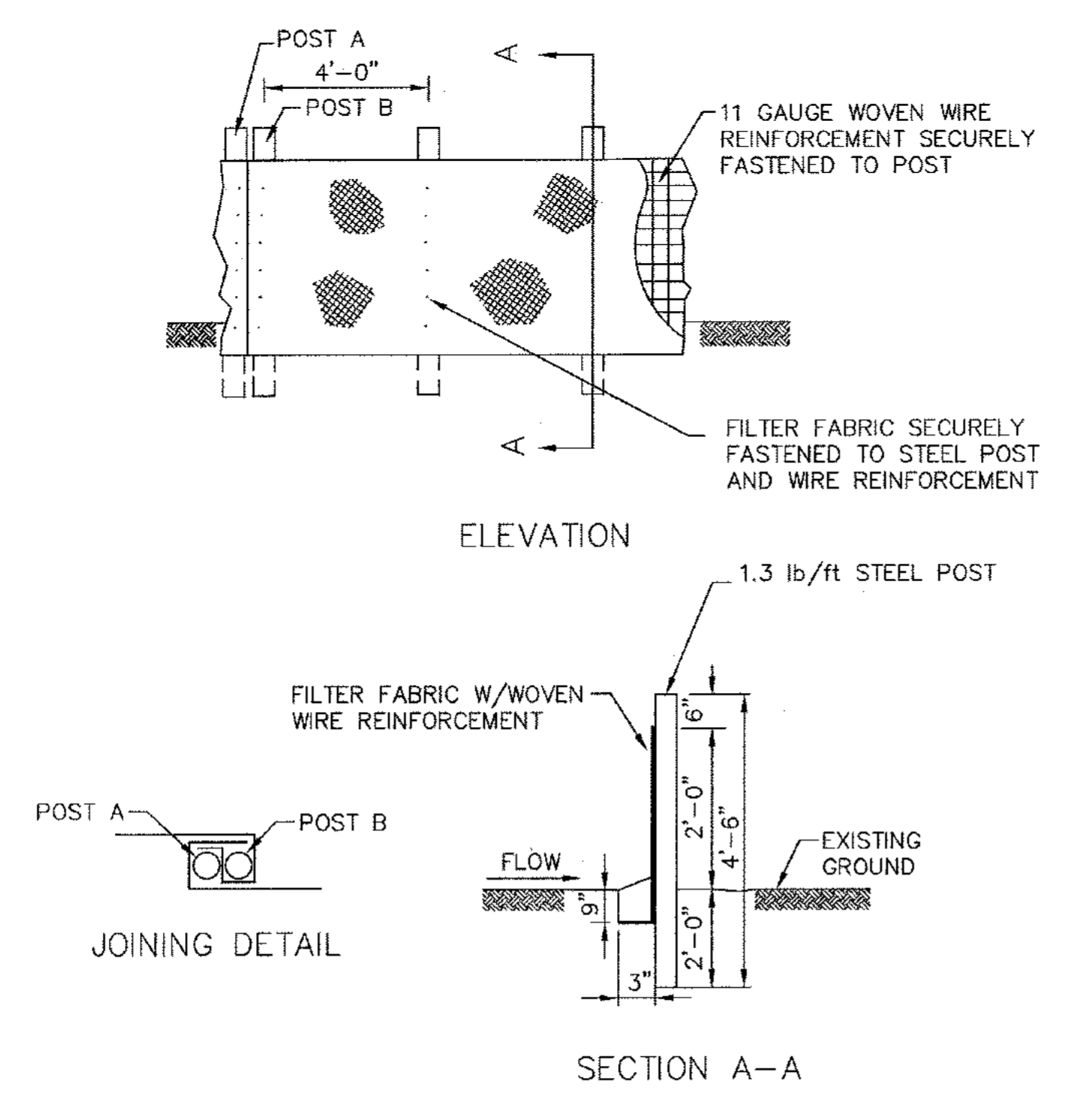
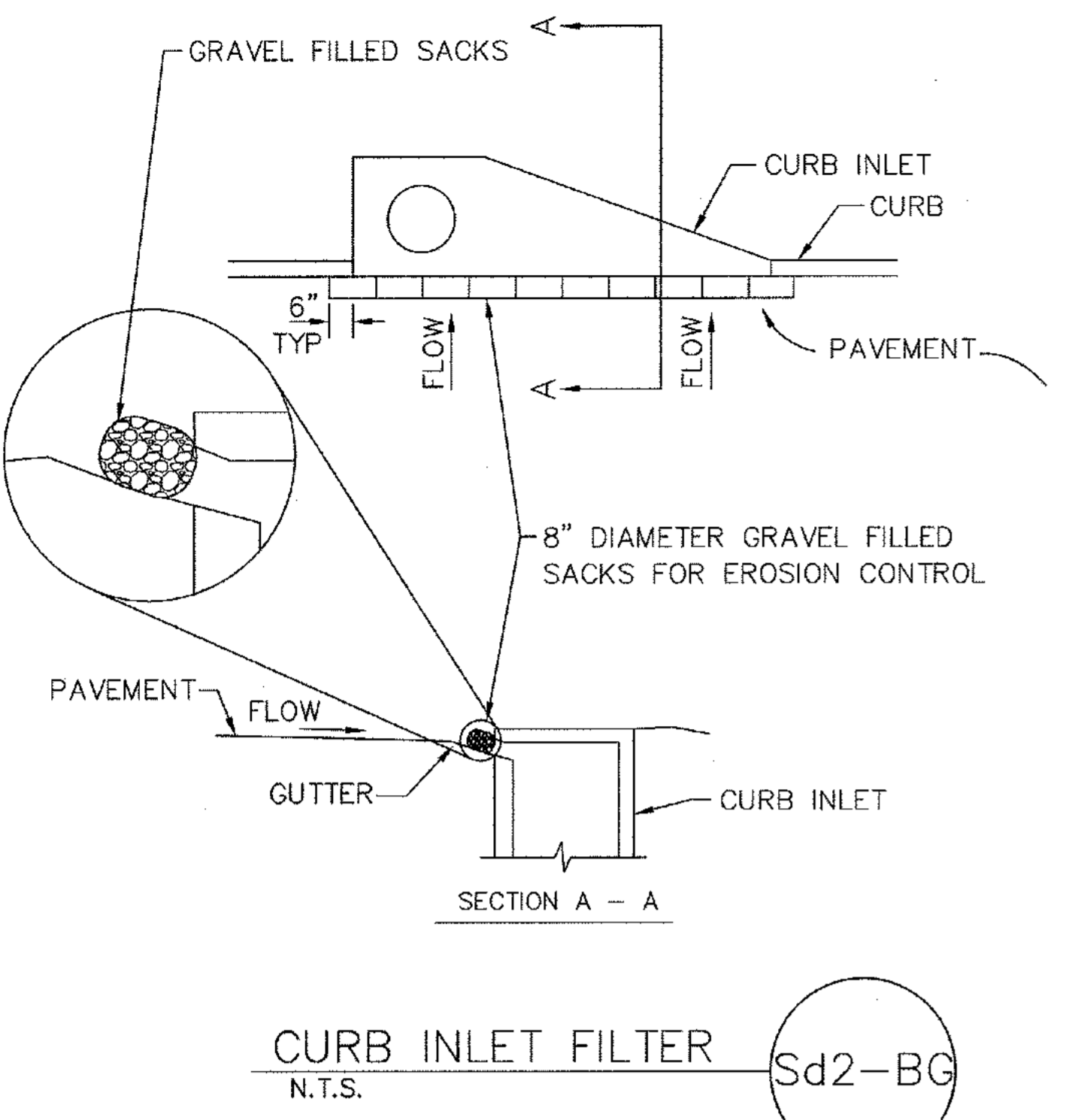
TITLE: **PHASE 2 EROSION SEDIMENTATION & POLLUTION CONTROL PLAN - PHASE 3**

HORIZONTAL SCALE: AS SHOWN  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

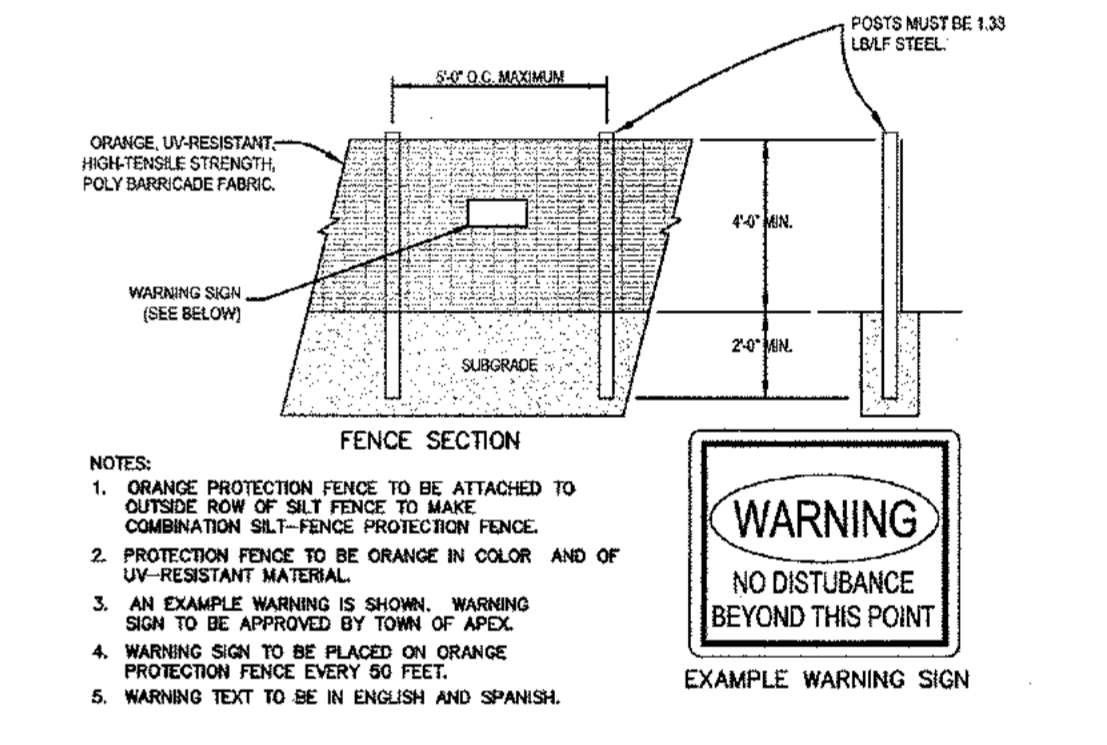
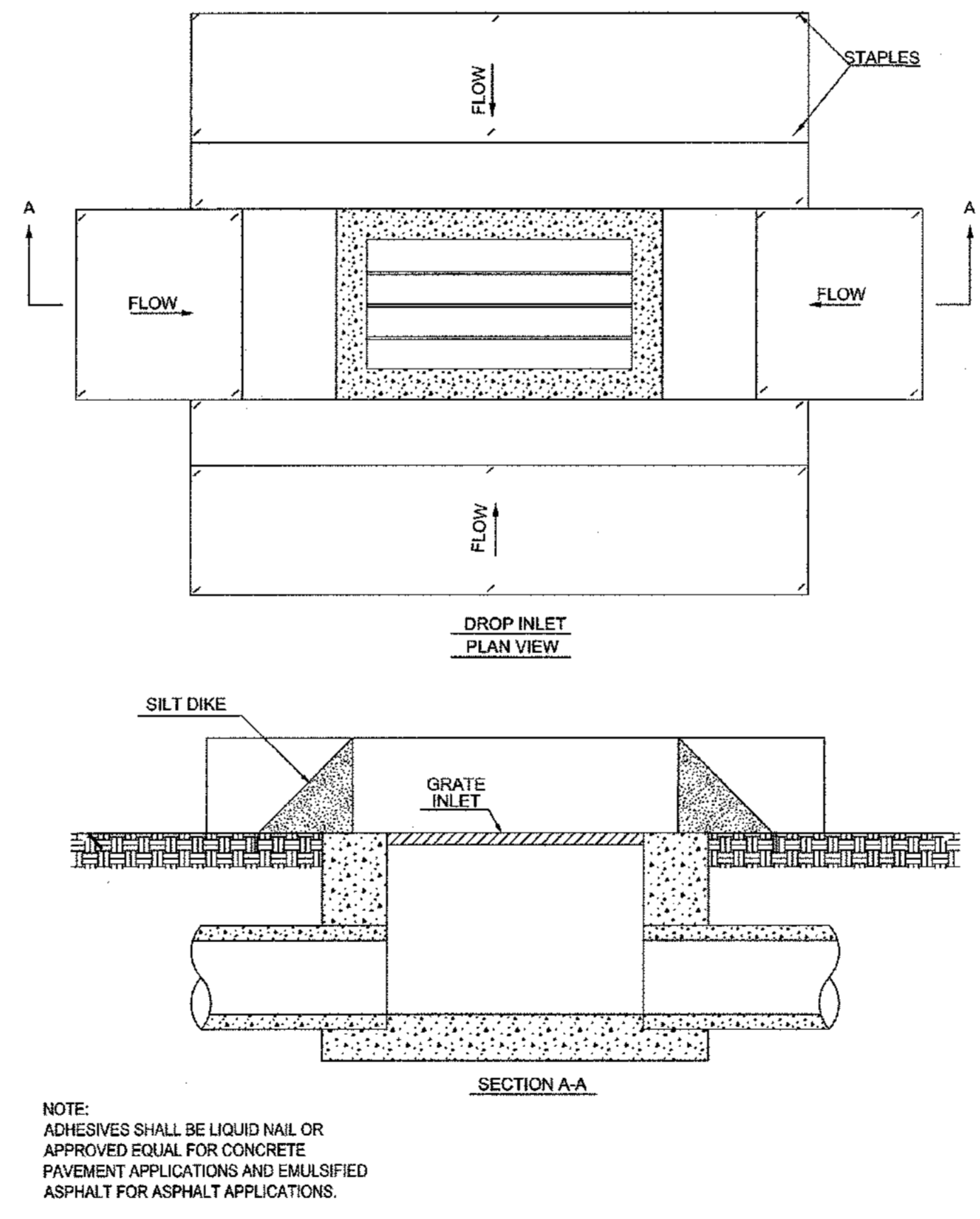
**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11 JOB NUMBER: 019636000 SHEET NUMBER: C-20 OF 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP\_ARCHITECTURE - Allen Wilson Terrace - EROSION CONTROL DETAILS - CONSTR PHASE 2\019636000\_21\_P2-DETAILS-EROSION.dwg  
Apr 28, 2011 9:53am by: ben.skidmore



EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST		
STANDARD CONSTRUCTION PROJECTS		
SWDC: Mountain District, Atlanta Subline Office		
Project Name: Allen Wilson Terrace - Phase 2 Address: 2437 Commerce Drive City/County: Decatur/DeKalb Date on Plans: Jan 27, 2011		
File Number	25	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at <a href="http://www.gadnr.org">www.gadnr.org</a>
Page #	26	Best Management Practices to eliminate or reduce site vehicle tracking of sediments and the generation of dust
C-21	Y	27. Plans for concrete washout pads, concrete mixer trucks, washers and the rear of the vehicle. Washout of the drum at the construction site is prohibited.
ALL	Y	28. Provide BMPs for the remediation of all petroleum spills and leaks.
C-17	Y	29. Location of Best Management Practices that are consistent with and do not interfere with the Manual for Erosion and Sediment Control in Georgia. Use only codes symbols from the Manual, Chapter 8, with legend.
ALL	Y	30. Description of the nature of construction activity.
C-17	Y	31. A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs.
C-17	Y	32. Description and chart or profile of the intended sequence of major activities which shall take place for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C-17	Y	33. Description of the practices that will be used to reduce the pollutants in storm water discharges.
C-17	Y	34. Description of the measures that will be installed during the construction process to control pollutants in storm water that will enter after construction operations have been completed.
ALL	Y	35. Design professional's certification statement and signature that the site was visited prior to development of the ESB&PC Plan as stated on page 14 of this permit.
C-17	Y	36. Design professional's certification statement and signature that the approved ESB&PC Plan complies with all applicable and concrete storage system of BMPs and sampling to meet permit requirements as stated on page 14 of this permit.
C-17	Y	37. Construction statement and signature of the design professional.
C-17	Y	38. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
ALL	Y	39. Indication that non-erect activities shall not be conducted within the 25 or 50 foot no-discard buffer zone unless as required from the point of eroded vegetation without first acquiring the necessary variance and permit.
C-17	Y	40. Indication that the design professional who prepared the ESB&PC Plan is to inspect the installation of the final sediment storage requirements and perimeter control BMPs within 7 days after installation.
C-17	Y	41. Indication that amendments to the ESB&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.
C-17	Y	42. Indication that waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.
ALL	Y	43. Documentation that the ESB&PC Plan is in compliance with waste disposal, sanitary sewer, or solid waste regulations during and after construction activities have been completed.
C-17	Y	44. Provide complete requirements of inspections and record keeping by the primary permittee.
C-17	Y	45. Provide complete details for retention of records as per Part IV of the permit.
C-17	Y	46. Describe analytical methods to be used to collect and analyze the samples from each location.
C-17	Y	47. Provide a rationale for silt trap locations where applicable.
C-17	Y	48. Provide a rationale for silt trap locations where applicable.
ALL	Y	49. Clear site maintenance statement in bold letters - "Erosion control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
C-17	Y	50. Clearly note the statement in bold letters - "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
C-21	Y	51. Provide detailed drawings for enclosure enclosures. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C-17	Y	52. Provide vegetation plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seedling, fertilizer, lime and watering rates. Vegetative plan shall be specific for each year of seeding and shall also specify for the appropriate appropriate region of Georgia.



REV. No.	DATE	DRAWN BY	CHECKED BY
3	03/15/11	BWS	JMK

REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION

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817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **PHASE 2 EROSION CONTROL DETAILS**

MARK KILIBI  
Professional Engineer  
State of Georgia  
No. 34226  
Exp. 12/31/2011

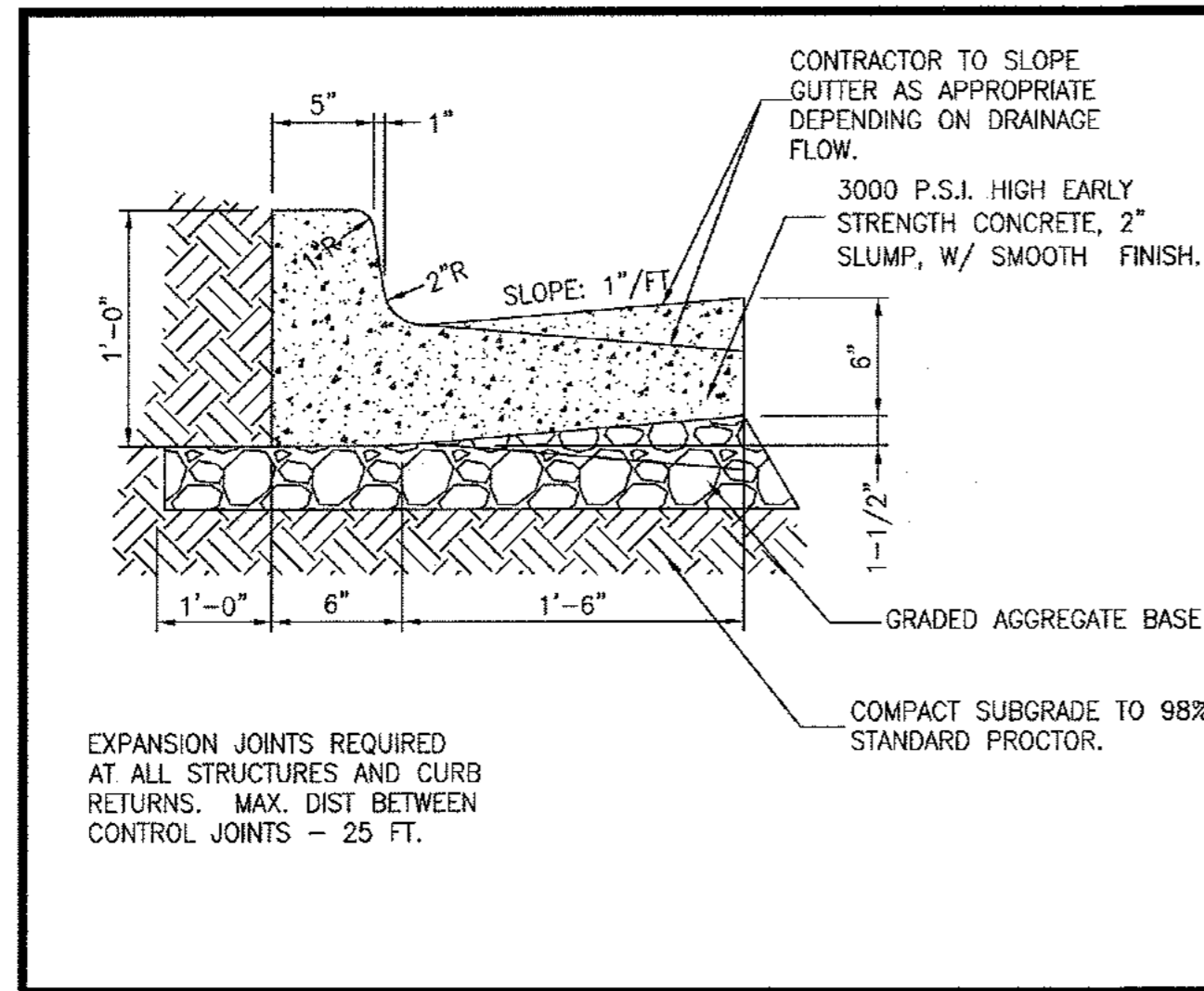
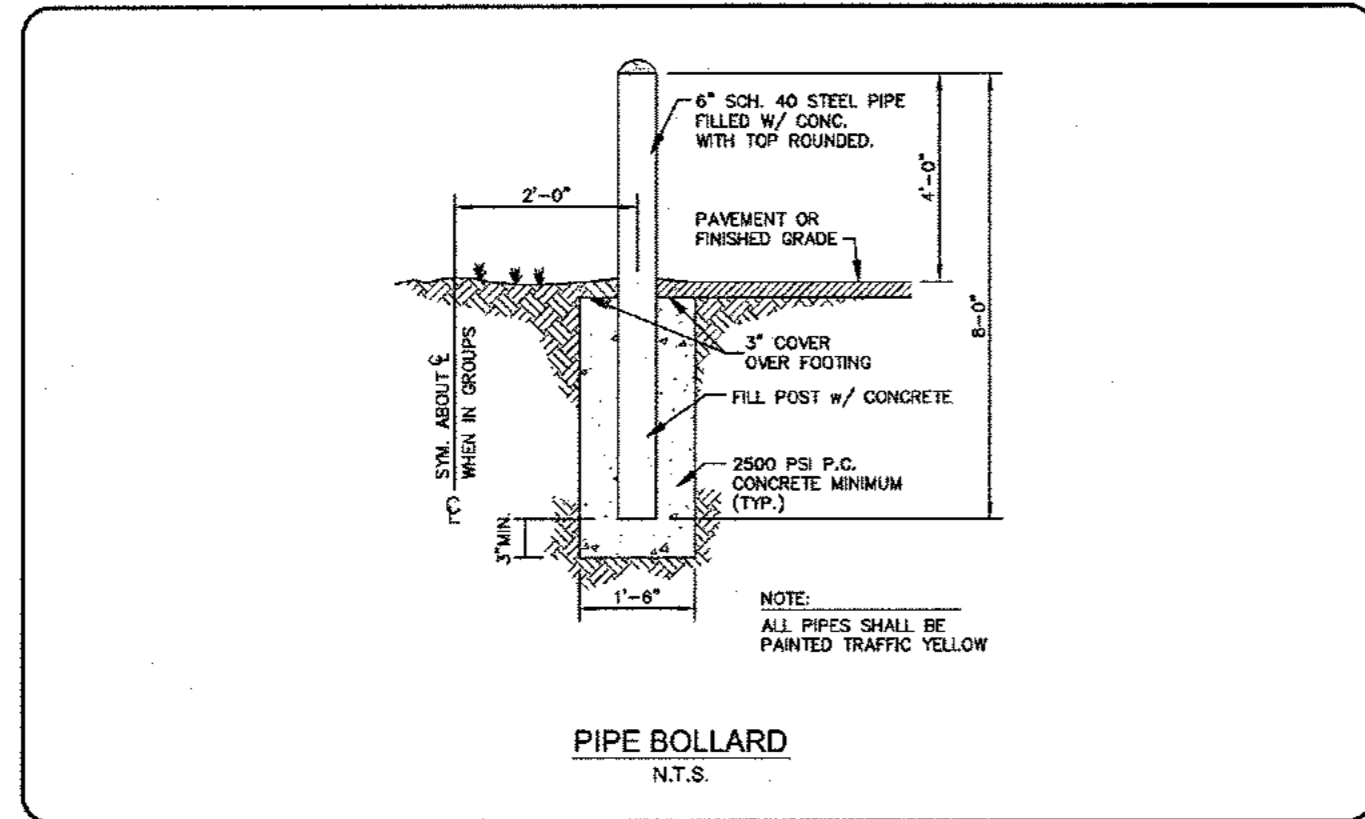
**811**  
Know what's below. Call before you dig.

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

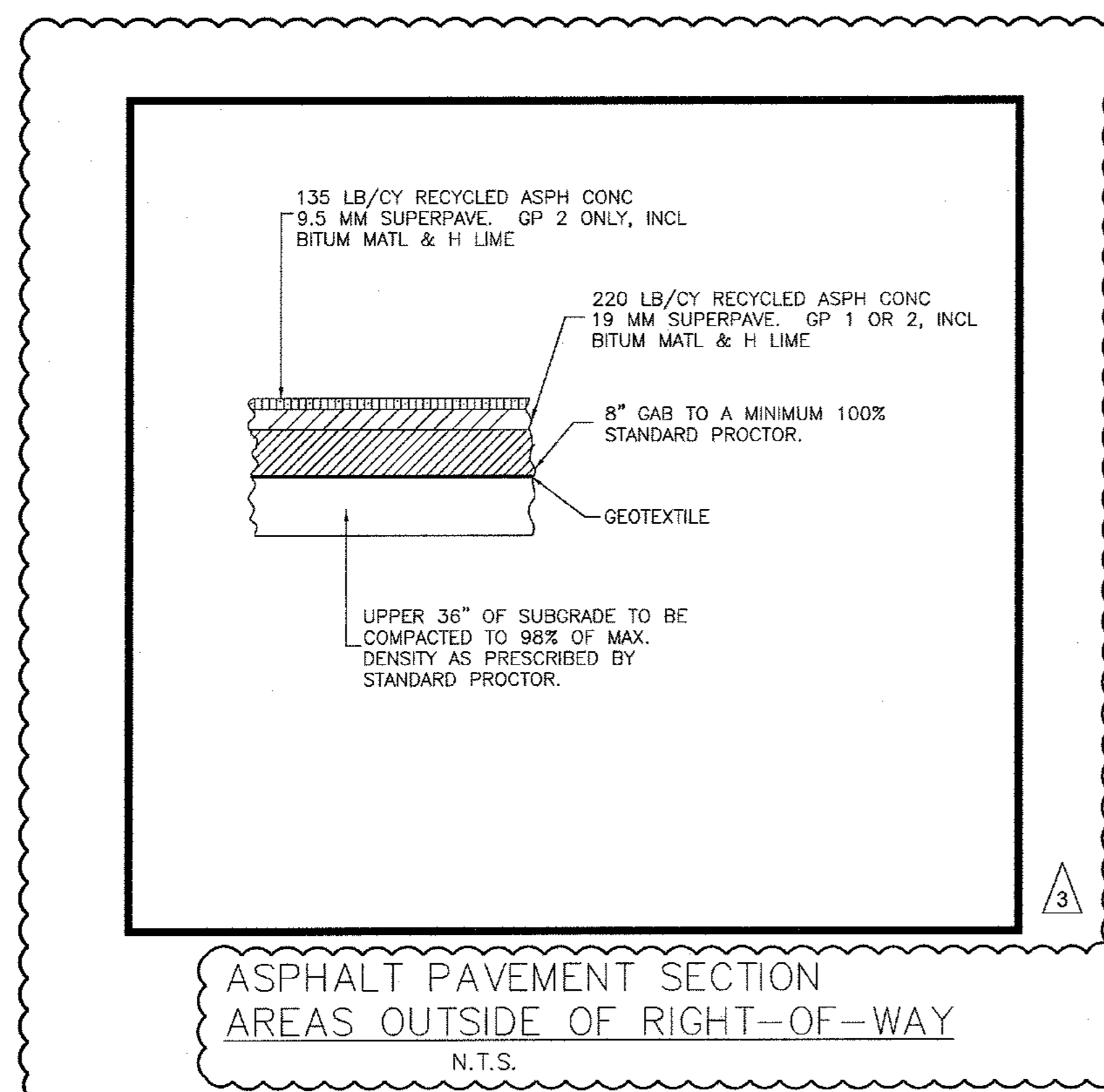
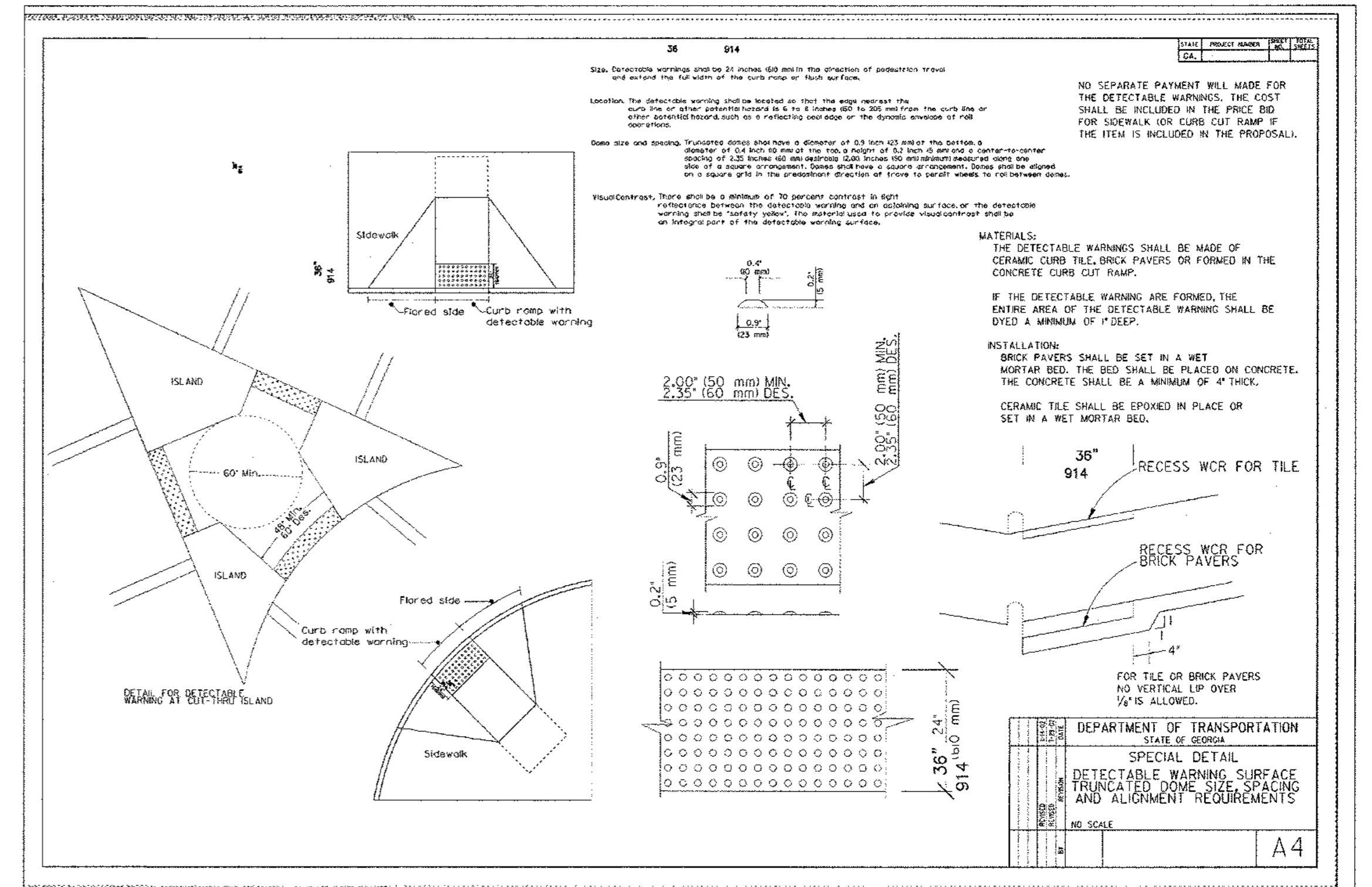
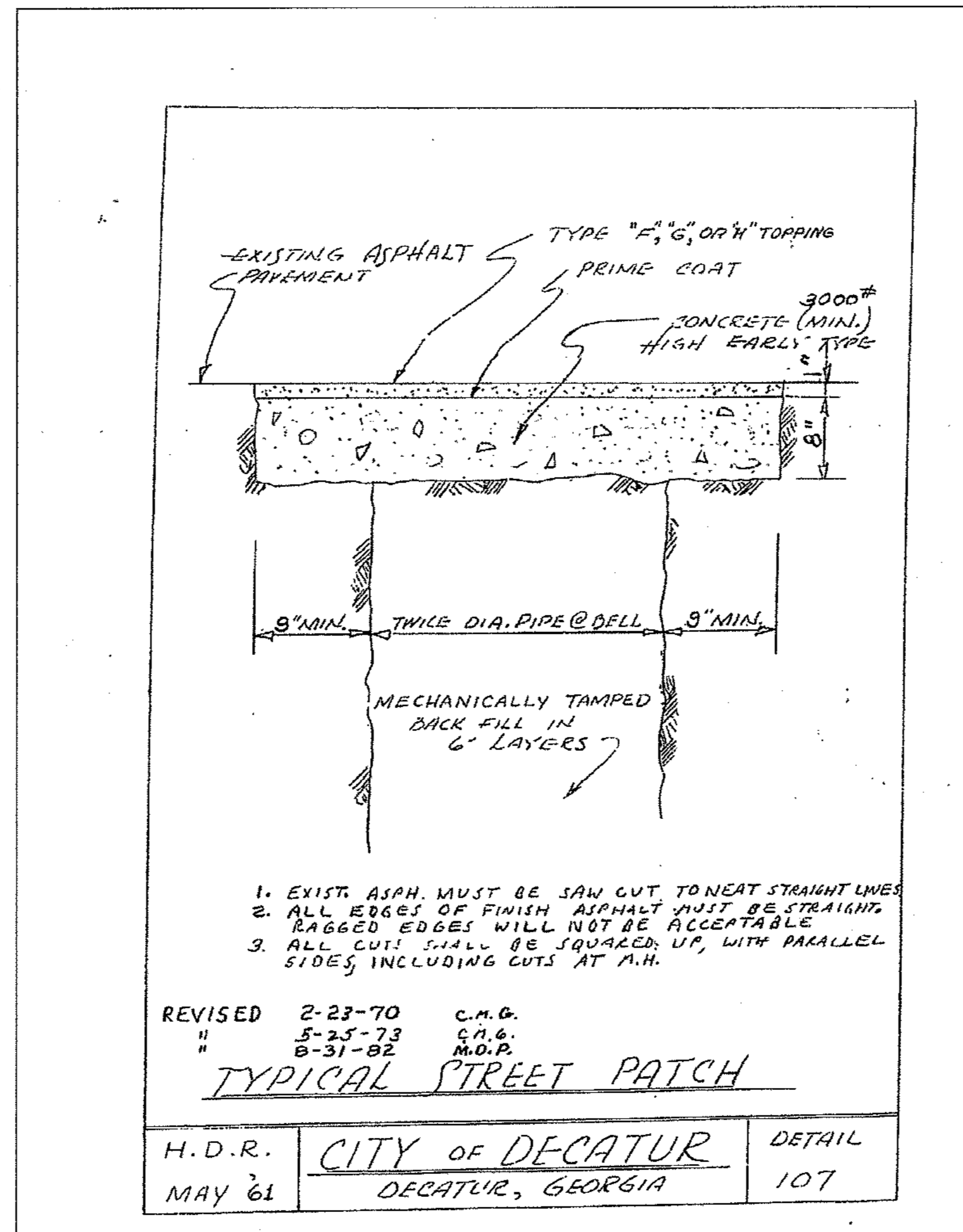
DATE	JOB NUMBER	SHEET NUMBER
01-27-11	019636000	C-21 of 35



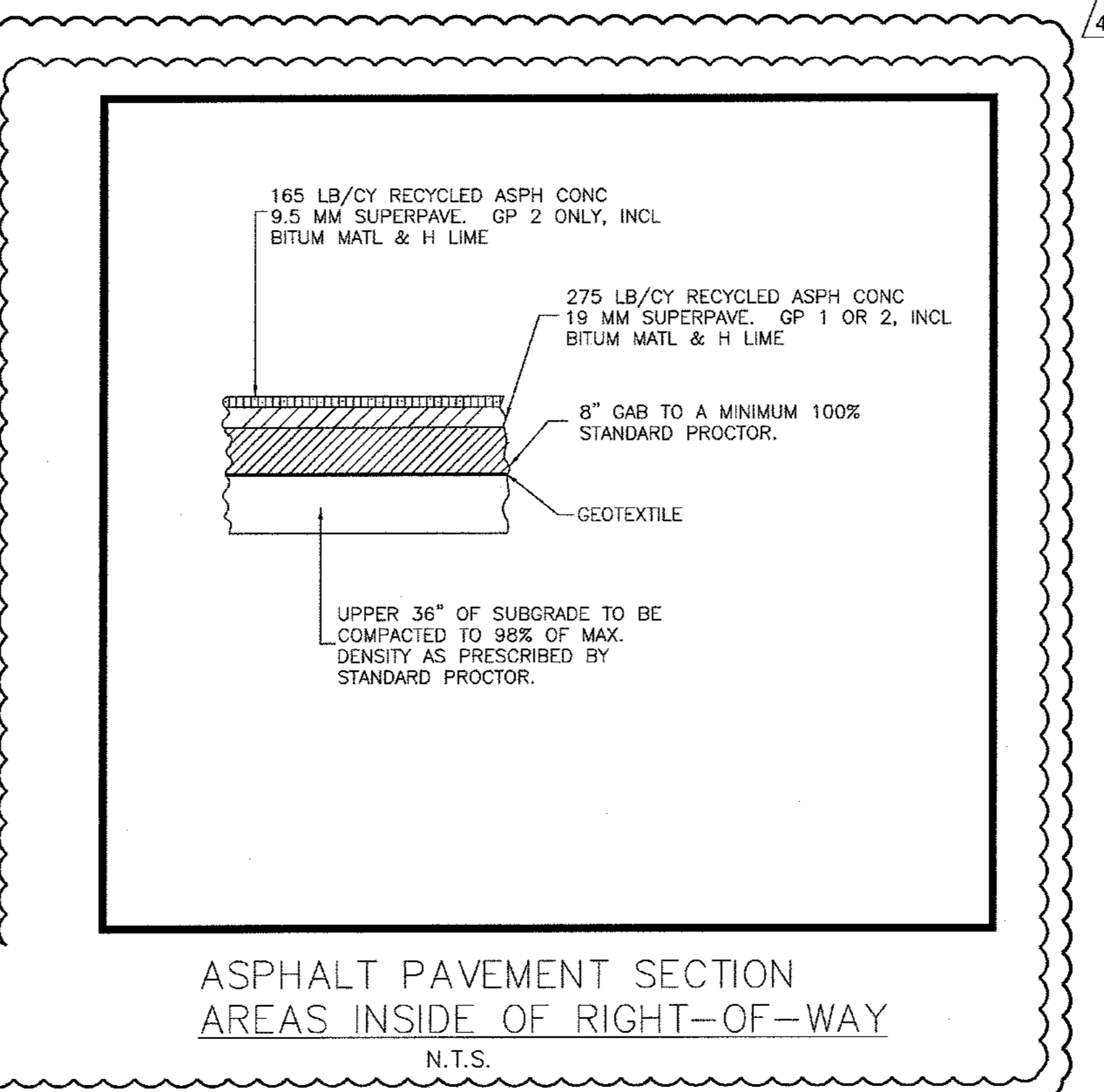
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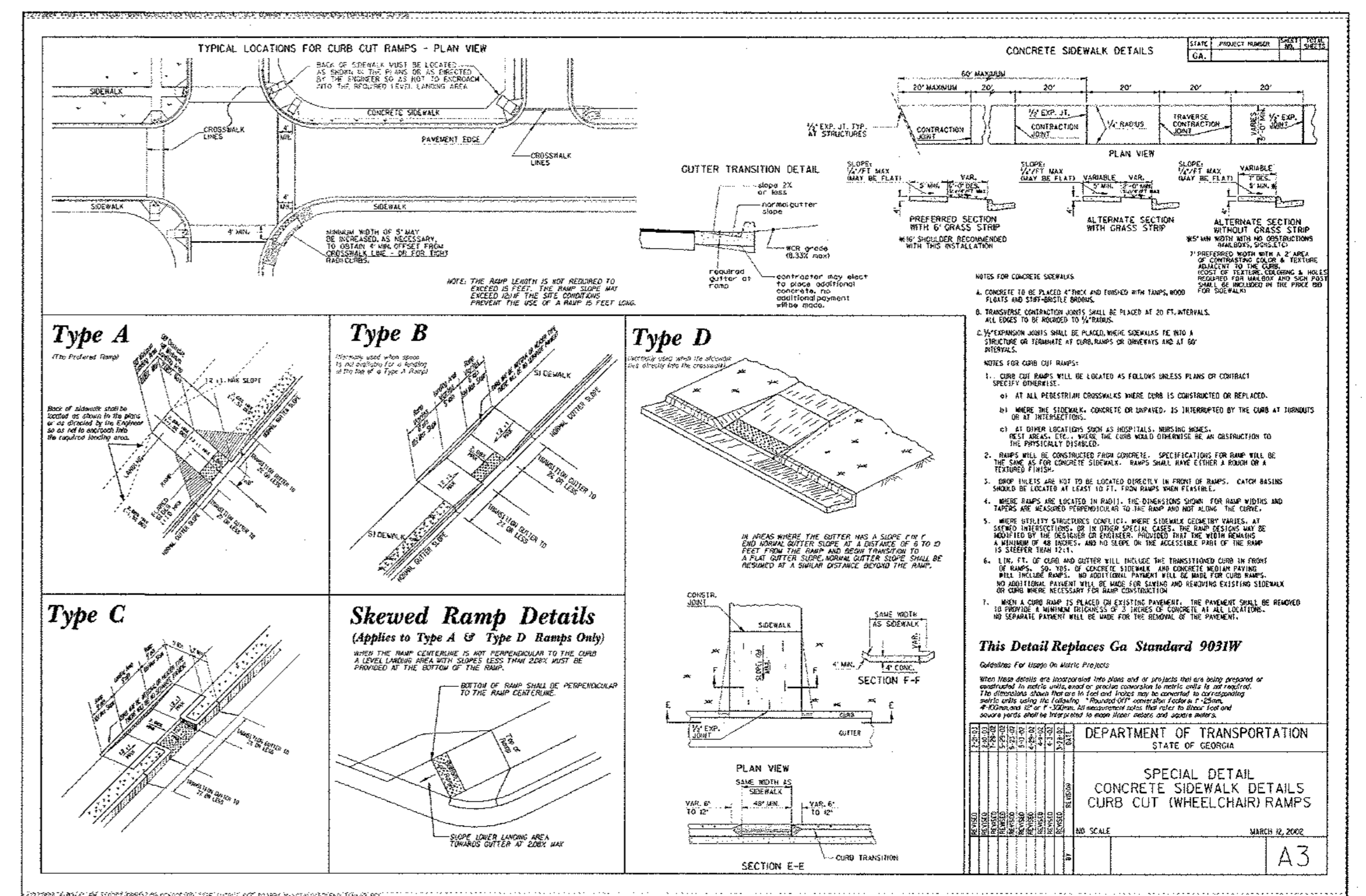
24" CURB AND GUTTER  
N.T.S.



ASPHALT PAVEMENT SECTION  
AREAS OUTSIDE OF RIGHT-OF-WAY  
N.T.S.



ASPHALT PAVEMENT SECTION  
AREAS INSIDE OF RIGHT-OF-WAY  
N.T.S.



NO.	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	DATE	DESIGNED BY	CHECKED BY
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
4	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	04/28/11	BWS	JMK

DATE: 01-27-11  
DRAWN BY: KAG  
CHECKED BY: JMW

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8700

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CONSTRUCTION DETAILS 1**

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-22 OF 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000-22\_P2-DETAILS-CONST.dwg S & D DETAILS 2 May 17, 2011 1:37pm by: josh.reynolds

### CATCH BASIN

(IF CATCH BASIN HAS LONGITUDINAL PIPE OVER 24" SEE DETAILS AT RIGHT)

**DETAIL OF TOP SLAB REINFORCING STEEL & CLEARANCES REQ'D.**

**CATCH BASIN (WITH PROTRUDED BACK)**

**CASTING DETAILS**

**SECTION I-I**

**SECTION A-A**

**SECTION J-J**

**DETAIL OF TOP REINFORCED CONCRETE SLAB**

**DETAIL OF LADDER BARS**

**DETAIL OF TOP REINFORCED CONCRETE SLAB**

**DETAIL OF LADDER BARS**

**CONSTRUCTION ALTERNATES**

**DEPARTMENT OF TRANSPORTATION**  
STATE OF GEORGIA  
**STANDARD**  
**CATCH BASINS**  
FOR USE WITH CURB (6" OR 8" C) & GUTTER  
SCALE AS SHOWN REV. & RED. ALIC. 033D

### STANDARD DROP INLETS (BUILT-IN-PLACE)

TABLE OF MINIMUM DIMENSIONS FOR DROP INLETS

INLET TYPE	INLET SIZE (IN)	TYPE 'A' (CONCRETE)		TYPE 'B' (CONCRETE)		TYPE 'C' (CONCRETE)		TYPE 'D' (CONCRETE)		TYPE 'E' (CONCRETE)	
		MIN. W. (IN)	MIN. D. (IN)	MIN. W. (IN)	MIN. D. (IN)	MIN. W. (IN)	MIN. D. (IN)	MIN. W. (IN)	MIN. D. (IN)	MIN. W. (IN)	MIN. D. (IN)
1	18"	24"	18"	24"	18"	24"	18"	24"	18"	24"	18"
	24"	30"	24"	30"	24"	30"	24"	30"	24"	30"	24"
2	18"	24"	18"	24"	18"	24"	18"	24"	18"	24"	18"
	24"	30"	24"	30"	24"	30"	24"	30"	24"	30"	24"
3	18"	24"	18"	24"	18"	24"	18"	24"	18"	24"	18"
	24"	30"	24"	30"	24"	30"	24"	30"	24"	30"	24"
4	18"	24"	18"	24"	18"	24"	18"	24"	18"	24"	18"
	24"	30"	24"	30"	24"	30"	24"	30"	24"	30"	24"

**DEPARTMENT OF TRANSPORTATION**  
STATE OF GEORGIA  
**STANDARD**  
**DROP INLETS**  
(BUILT-IN-PLACE)  
SCALE AS SHOWN REV. & RED. ALIC. 1019A

### CATCH BASIN

(FOR CATCH BASIN WITH LONGIT. PIPE OVER 24" SEE DETAILS AT RIGHT)

**DETAIL OF TOP SLAB REINFORCING STEEL & CLEARANCES REQ'D.**

**CATCH BASIN (WITH PROTRUDED BACK)**

**CASTING DETAILS**

**SECTION F-F**

**SECTION A-A**

**SECTION J-J**

**DETAIL OF TOP REINFORCED CONCRETE SLAB**

**DETAIL OF LADDER BARS**

**DETAIL OF TOP REINFORCED CONCRETE SLAB**

**DETAIL OF LADDER BARS**

**CONSTRUCTION ALTERNATES**

**DEPARTMENT OF TRANSPORTATION**  
STATE OF GEORGIA  
**STANDARD**  
**CATCH BASINS**  
FOR USE WITH CURB (6" OR 8" C) & GUTTER  
SCALE AS SHOWN REV. & RED. ALIC. 1034D

### BIORETENTION AREA

NOT TO SCALE

**PLAN VIEW (TYP)**

**CROSS-SECTION (TYP)**

**NOTES:**

- ENGINEERED SOIL SHALL NOT BE MECHANICALLY COMPACTED OR OVER COMPACTED.
- ENGINEERED SOIL SHALL HAVE AN INFILTRATION RATE OF AT LEAST 1" / HR.
- ENGINEERED SOIL MUST BE APPROVED BY THE ENGINEER.
- UNDERDRAIN TO BE PERFORATED PVC OR HDPE PIPE IN A GRAVEL LAYER. PERFORATIONS TO BE 1" SPACED 6" APART.
- CONFIGURATION SHOWN IS FOR DETAIL PURPOSES ONLY. REFER TO GRADING SHEET C-12 FOR PIPE LAYOUT.

**NYLOPLAST DRAIN BASIN**

**DEPARTMENT OF TRANSPORTATION**  
STATE OF GEORGIA  
**STANDARD**  
**BIORETENTION AREAS**  
SCALE AS SHOWN REV. & RED. ALIC. 1019A

REV. NO.	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	DATE	DRAWN BY	CHECKED BY
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
4	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	04/28/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	05/17/11	JCR	JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CONSTRUCTION DETAILS 2**

HORIZONTAL SCALE: N/A  
VERTICAL SCALE: N/A

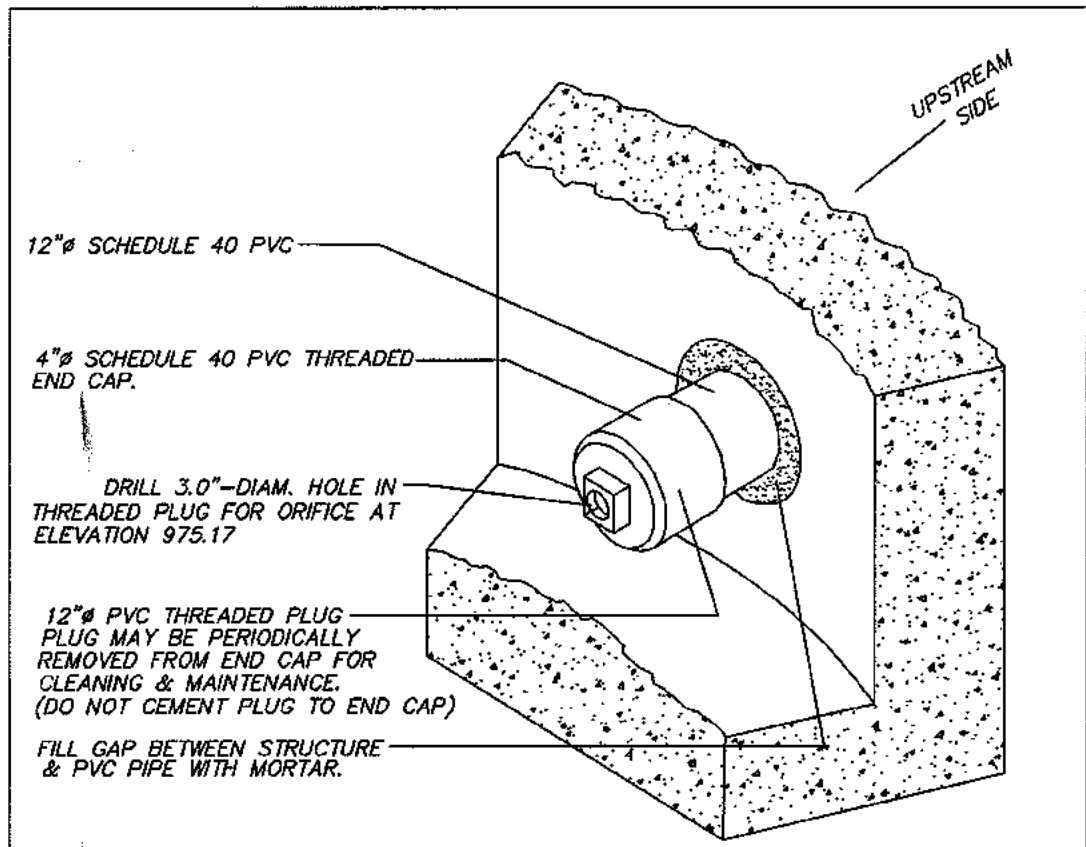
DESIGNED BY: **JSW**  
CHECKED BY: **JMK**

DATE: **01-27-11**

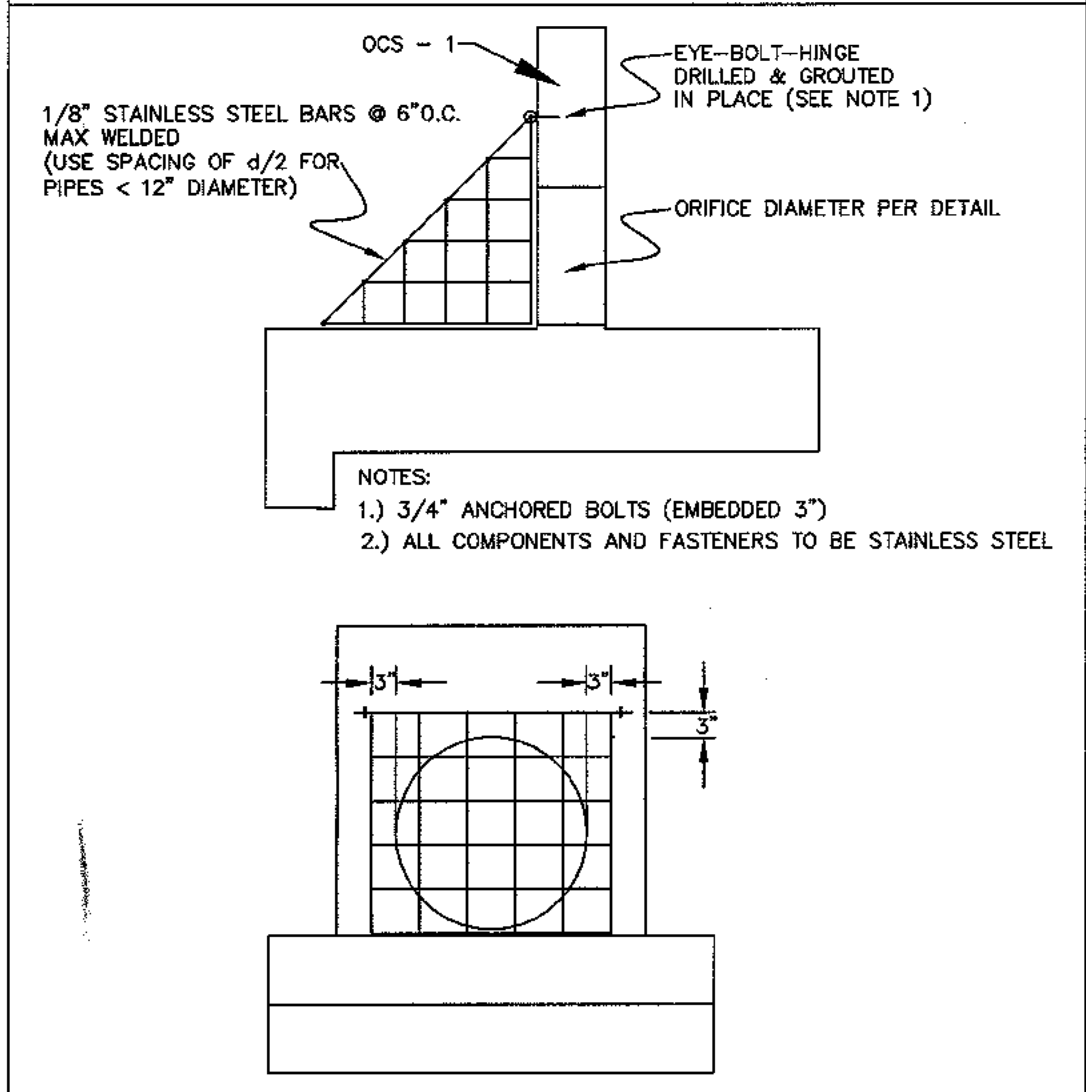
**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

PROJECT NUMBER: **019636000** SHEET NUMBER: **C-23 of 35**

Drawing name: K:\AMT\CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CONSTR\PHASE 2\019636000\_22\_P2-DETAILS-CONST.dwg D:\TINTL\CNTRL\STRUCT 3 May 17, 2011 1:38pm by: josh.reynolds



ORIFICE REDUCTION  
OCS DETAIL POND B - PHASE 2



PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
6"	25"
8"	28"
10"	32"
12"	34"
15"	38"
18"	42"
24"	48"
30"	50"
36"	64"
42"	72"
48"	80"
54"	88"
60"	96"

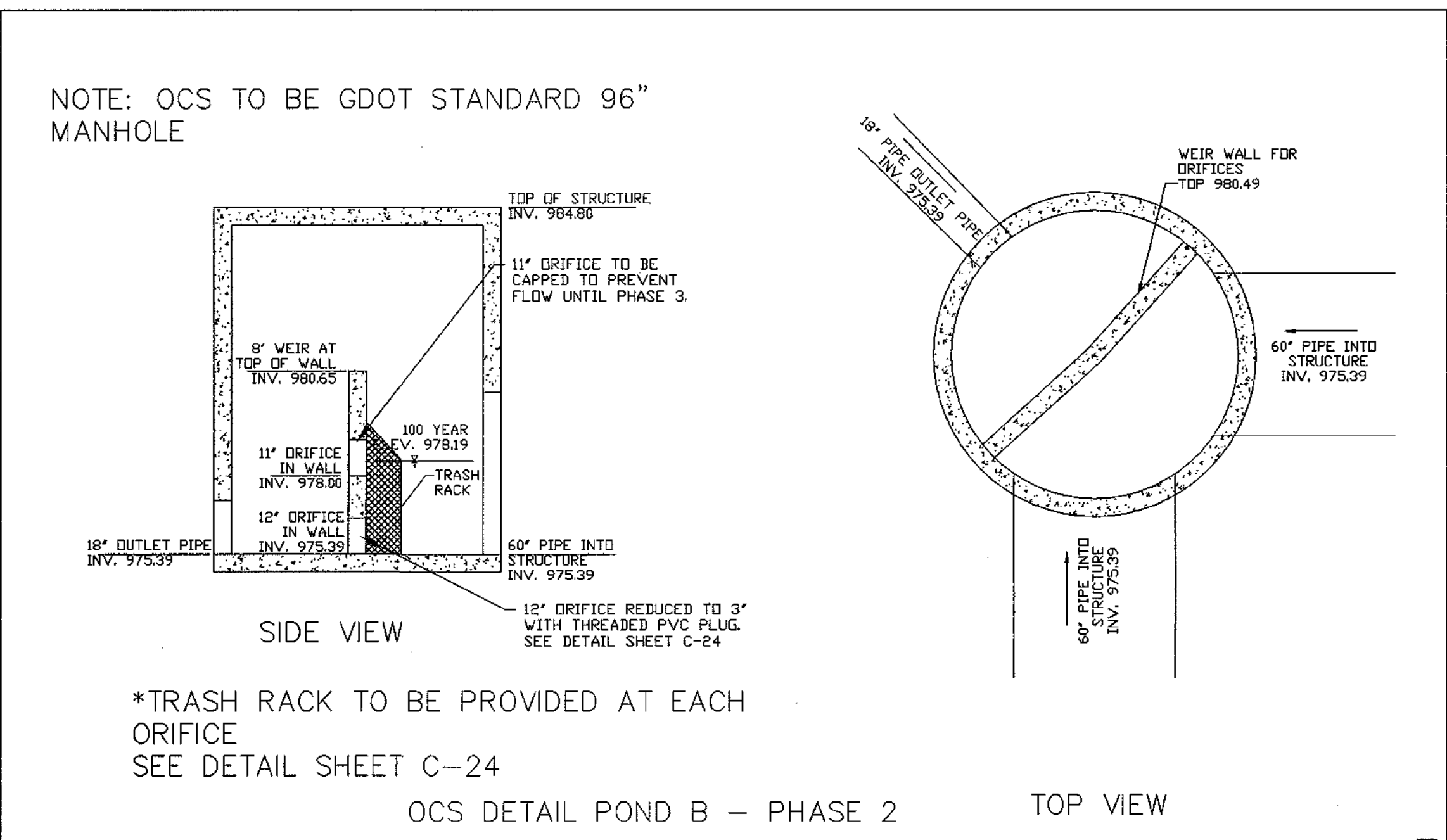
  

PIPE DIAM.	HOB	HEAVY CONSTRUCTION (VEHICLE LOADS)
12"-48"	12"	48"
54"-60"	24"	60"

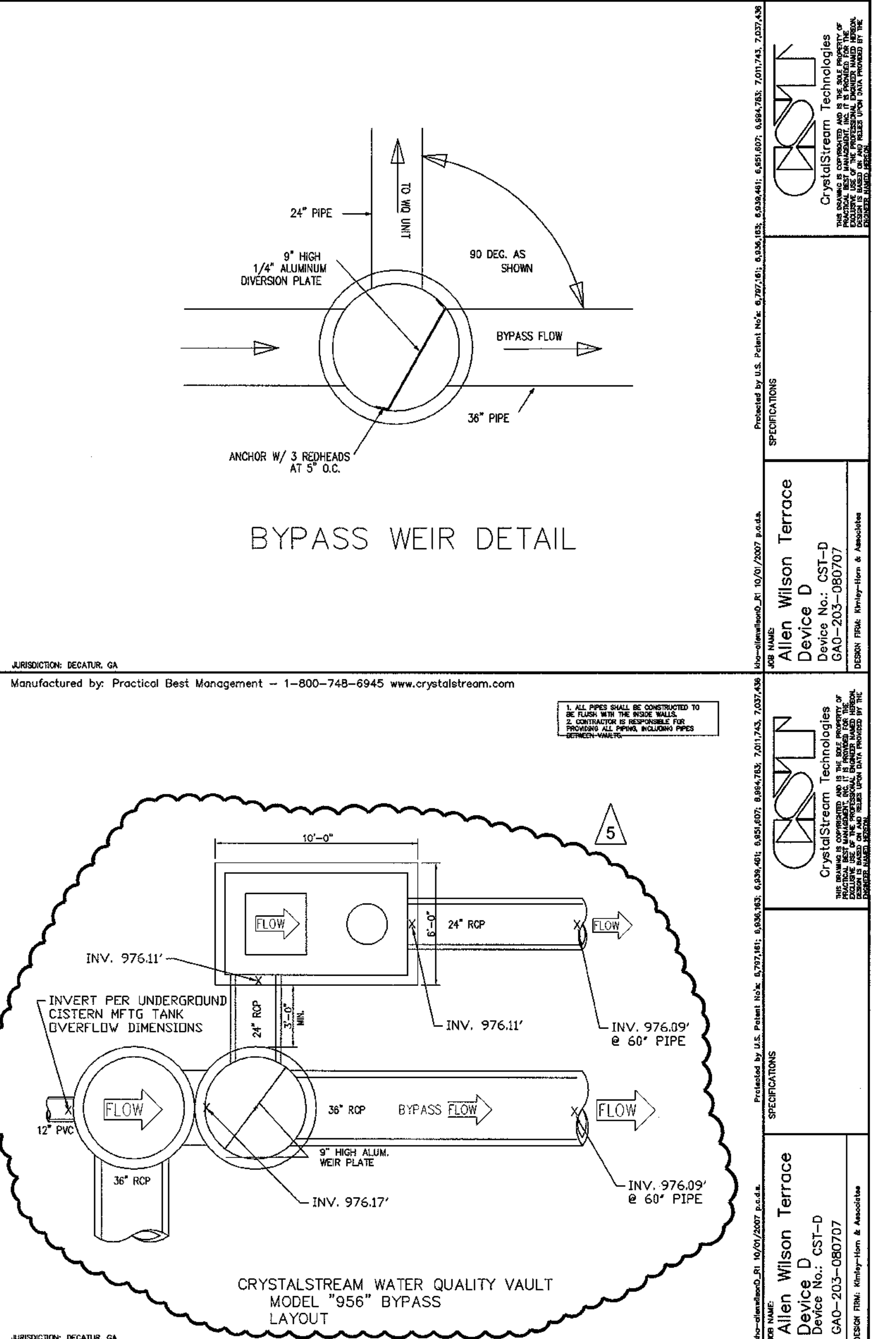
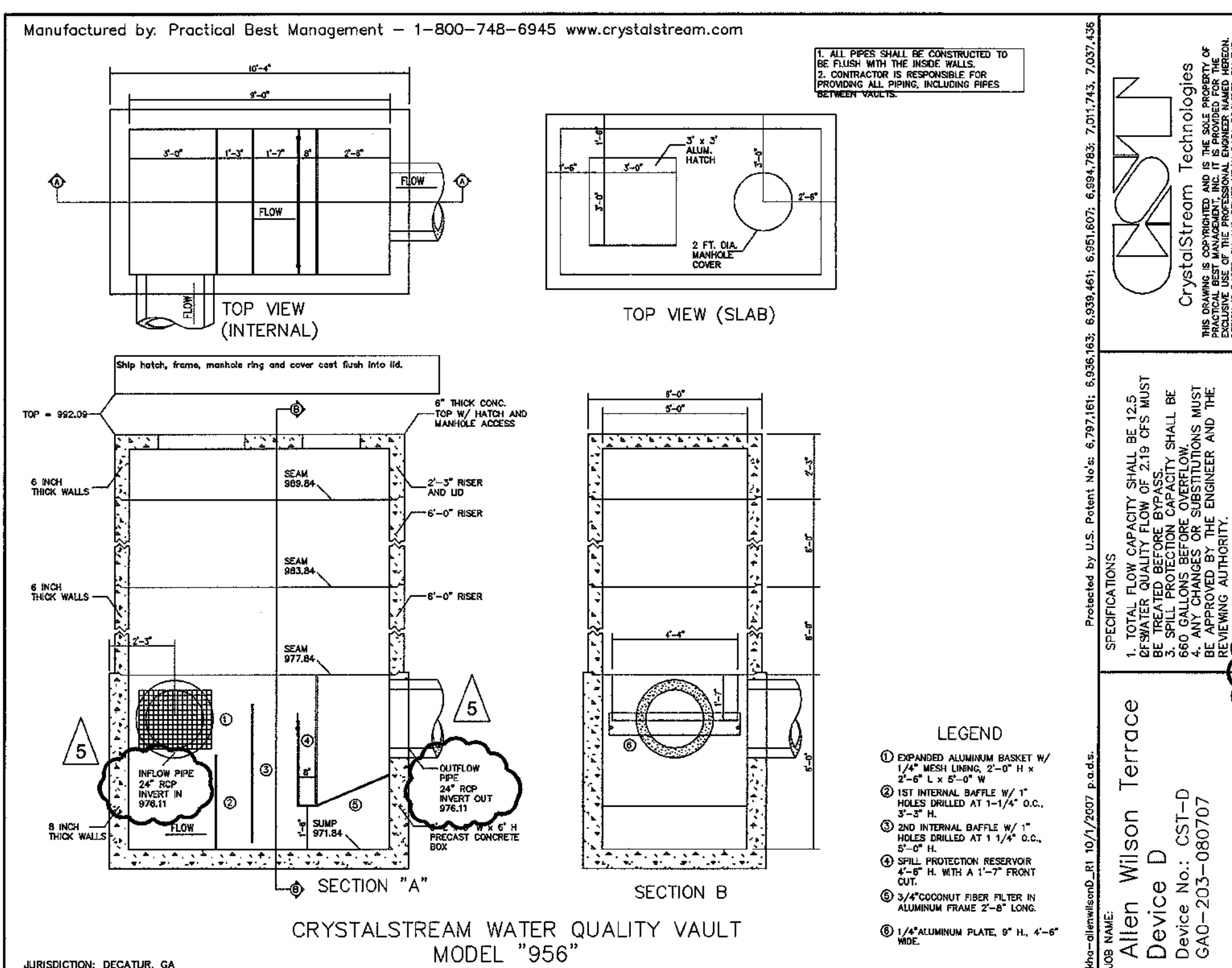
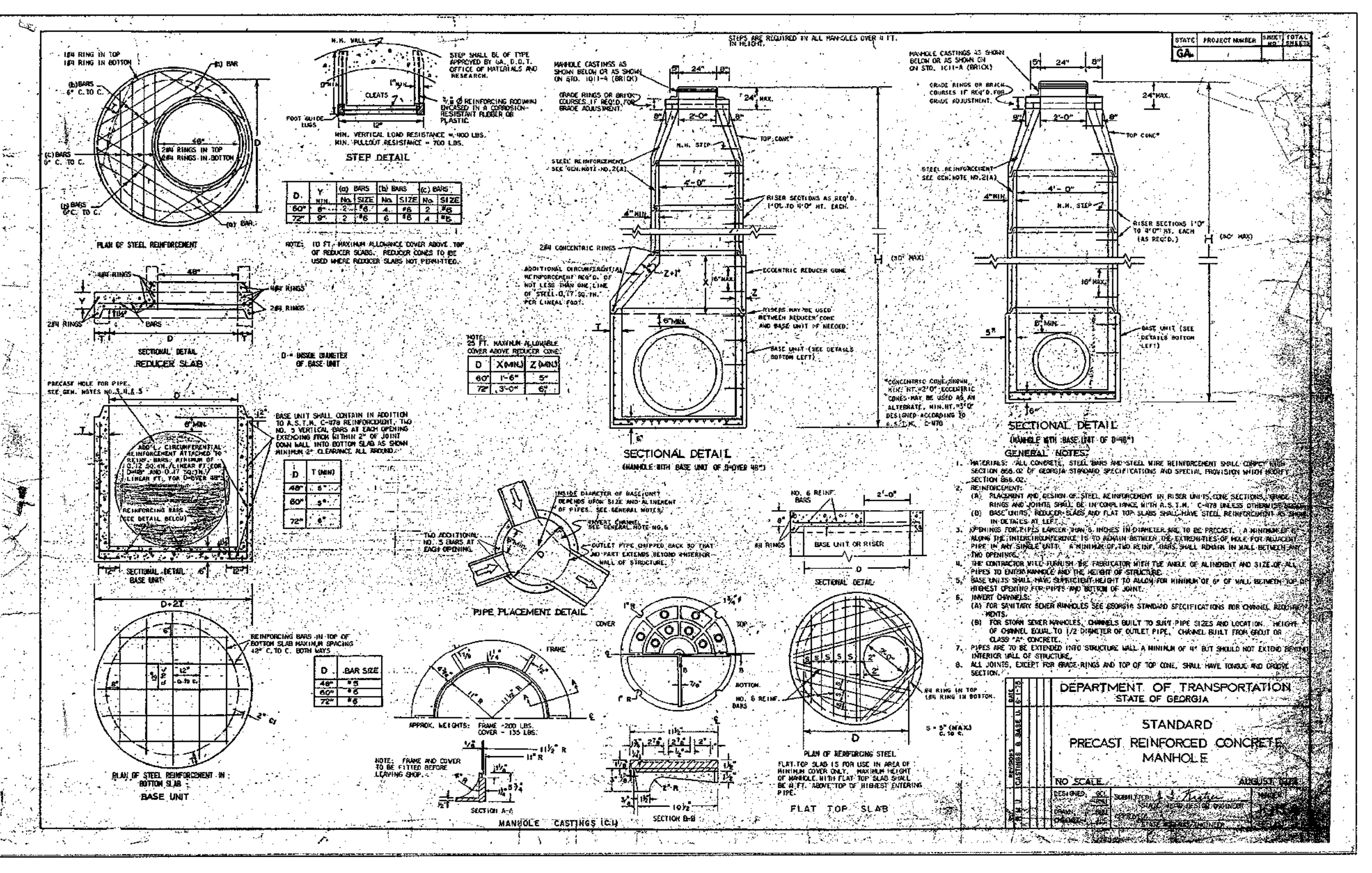
  

PIPE DIAM.	COVER
UP TO 36"	24"
36"-36"	36"
42"-40"	48"

NOTES:  
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2221, STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS, LATEST EDITION.  
2. MEASURES SHOULD BE TAKEN TO PREVENT UPTIGHT OF NATIVE TREES INTO BACKFILL MATERIAL WHEN REQUIRED.  
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND PLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.  
4. BACKFILL: SUITABLE MATERIAL SHALL BE CLASS II OR III OR THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM RECOMMENDED THICKNESS SHALL BE 6" (150mm) FOR 4" DIA. (100mm-600mm) (150mm) FOR 30"-40" (750mm-1000mm).  
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS II OR III OR IN THE PIPE ZONE EXTENDING NOT LESS THAN 8 FEET FROM THE TOP OF PIPE TO GRADING SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOODING TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2221, LATEST EDITION.  
6. MINIMUM COVER: MINIMUM COVER: 1. IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 24" FROM THE TOP OF PIPE TO GRADING SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOODING FOR TRAFFIC APPLICATIONS. MINIMUM COVER: H. IS 24" UP TO 48" DIAMETER PIPE AND 36" COVER FOR 36"-40" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF PIPE. COVER SHALL BE MEASURED FROM TOP OF PIPE TO BOTTOM OF PIPE TO ASTM D2221, LATEST EDITION.



NOTE: OCS TO BE GDOT STANDARD 96" MANHOLE  
SIDE VIEW  
TOP VIEW  
OCS DETAIL POND B - PHASE 2



NO.	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	DATE	BY	CHKD
3	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION	03/15/11	BWS	JMK
4	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	04/28/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS / DEKALB COUNTY COMMENTS	05/17/11	JCR	JMK

PREPARED IN THE OFFICE OF:  
**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700

CLIENT:  
**HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305  
TITLE:  
**CONSTRUCTION DETAILS 3**

DESIGNED BY: JSW  
CHECKED BY: JMK  
DATE: 01-27-11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-24 of 35

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA  
SHEET NUMBER: C-24 of 35



Drawing name: K:\AVI\_CIVIL\019636000\_HADP\_Architecture - Allen Wilson Terrace\CONSTR\PHASE 2\019636000\_22\_P2-DETAILS-CONST.dwg DTIN DETAILS 4 Apr 29, 2011 9:53am by: ben.skidmore

PROJECT INFORMATION	
ENGINEER:	KIMLEY HORN AND ASSOCIATES BEN SKIDMORE
CONTRACTOR:	
ADD SALES REP:	PAUL ROOT 578-608-3360 PAUL_ROOT@ADS-PIPE.COM
PROJECT NO.:	8802-02



# ALLEN WILSON TERRACE OPTION B

DRAWING INDEX		
SHEET	DRAWING NO.	SHEET TITLE
1	8802-SC-01	COVER
2	8802-SP-01	PLAN VIEW
3	8802-DS-01	FITTINGS DETAILS
4	8802-EX-01	CROSS-SECTION

### ADS RETENTION/DETENTION PIPE SYSTEM SPECIFICATION

**SCOPE**  
THIS SPECIFICATION DESCRIBES ADS RETENTION/DETENTION PIPE SYSTEMS FOR USE IN NON-PRESSURE GRAVITY FLOW STORM WATER COLLECTION SYSTEMS UTILIZING A CONTINUOUS OUT-FALL STRUCTURE.

**PIPE REQUIREMENTS**  
ADS RETENTION/DETENTION SYSTEMS MAY UTILIZE ANY OF THE VARIOUS PIPE PRODUCTS BELOW:  
 • 18" 12' ST 18 PIPE (PER AASHTO) SHALL MEET AASHTO M204, TYPE S OR ASTM F2308  
 • 18" 12' ST 18 PIPE (PER ASTM F2308) SHALL MEET ASTM F2308  
 • 18" 12' MESA GREEN™ ST 18 SHALL MEET ASTM F2308  
 ALL PRODUCTS SHALL HAVE A SMOOTH INTERIOR AND ANNUAL EXTERIOR CORRUGATIONS. ALL ST 18 PIPE PRODUCTS ARE AVAILABLE AS PERFORATED OR NON-PERFORATED. W/18 PIPE PRODUCTS ARE ONLY AVAILABLE AS NON-PERFORATED.  
 PRODUCT-SPECIFIC PIPE SPECIFICATIONS ARE AVAILABLE IN THE URNAGE HANDBOOK SECTION 1 SPECIFICATIONS

**JOINT PERFORMANCE**  
PLAN END JOINTS (EIT) ST 18 PIPE SHALL BE JOINED USING A BELL & SPIGOT JOINT. THE BELL & SPIGOT JOINT SHALL MEET THE SOLICITATION REQUIREMENTS OF ASTM F2308 AND GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477.  
 PLAN END PIPE & FITTINGS CONNECTIONS SHALL BE JOINED WITH COUPLING BANDS COVERING AT LEAST TWO FULL CORROGATIONS ON EACH END OF THE PIPE. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477. GASKETS SHALL BE WRAPPED IN A SUITABLE, NON-WOVEN GEOTEXTILE FABRIC TO PREVENT INFILTRATION OF FIBERS INTO THE PIPE SYSTEM.

**FITTINGS**  
FITTINGS SHALL CONFORM TO ASTM F2308 AND MEET JOINT PERFORMANCE INDICATED ABOVE FOR FITTINGS CONNECTIONS. CUSTOM FITTINGS ARE AVAILABLE AND MAY REQUIRE SPECIAL INSTALLATION CRITERIA.

**INSTALLATION**  
INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321 AND ADS RECOMMENDED INSTALLATION GUIDELINES, WITH THE EXCEPTION THAT MINIMUM COVER IN NON-TRAFFIC AREAS FOR 12" THROUGH 60" INCH (300 TO 1500MM) DIAMETERS SHALL BE ONE FOOT (300MM). MINIMUM COVER IN TRAFFICED AREAS FOR 12" THROUGH 60" INCH (300 TO 800MM) DIAMETERS SHALL BE ONE FOOT (300MM) AND FOR 42" THROUGH 60" INCH (1060 TO 1500MM) DIAMETERS, THE MINIMUM COVER SHALL BE 2 FT (610MM). BACKFILL SHALL CONSIST OF CLASS 1 MATERIAL ONLY. MINIMUM COVER HEIGHTS DO NOT ACCOUNT FOR PIPE BUOYANCY. REFER TO ADS TECHNICAL NOTE 503 PIPE FLOATATION FOR BUOYANCY DESIGN CONSIDERATIONS. MAXIMUM COVER SYSTEM USING STANDARD BACKFILL IS 8 FT (2.4M); CONTACT A REPRESENTATIVE WHEN MAXIMUM FILL HEIGHT MAY BE EXCEEDED. ADDITIONAL INSTALLATION REQUIREMENTS ARE PROVIDED IN THE URNAGE HANDBOOK SECTION 4 RETENTION/DETENTION.

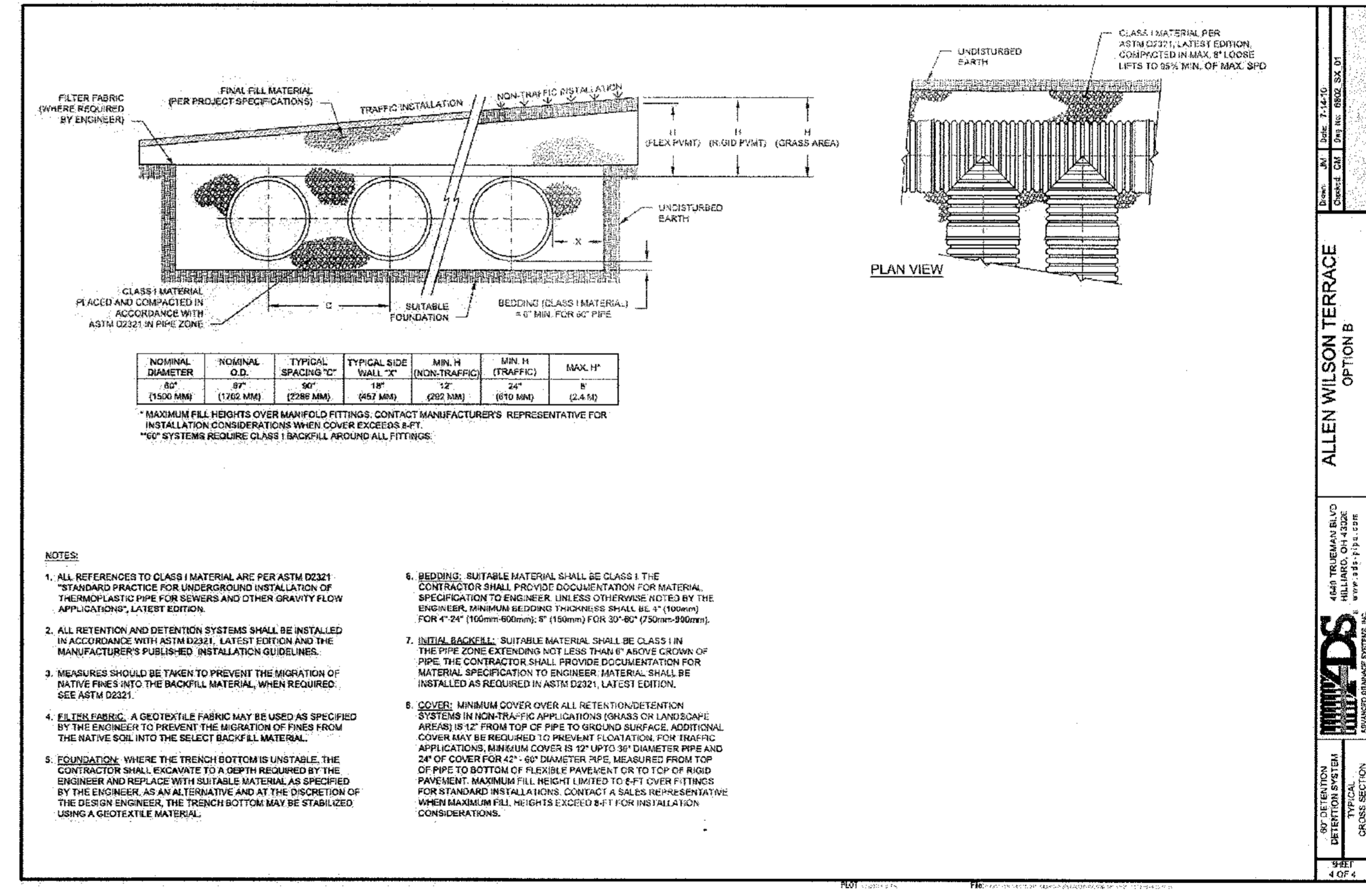
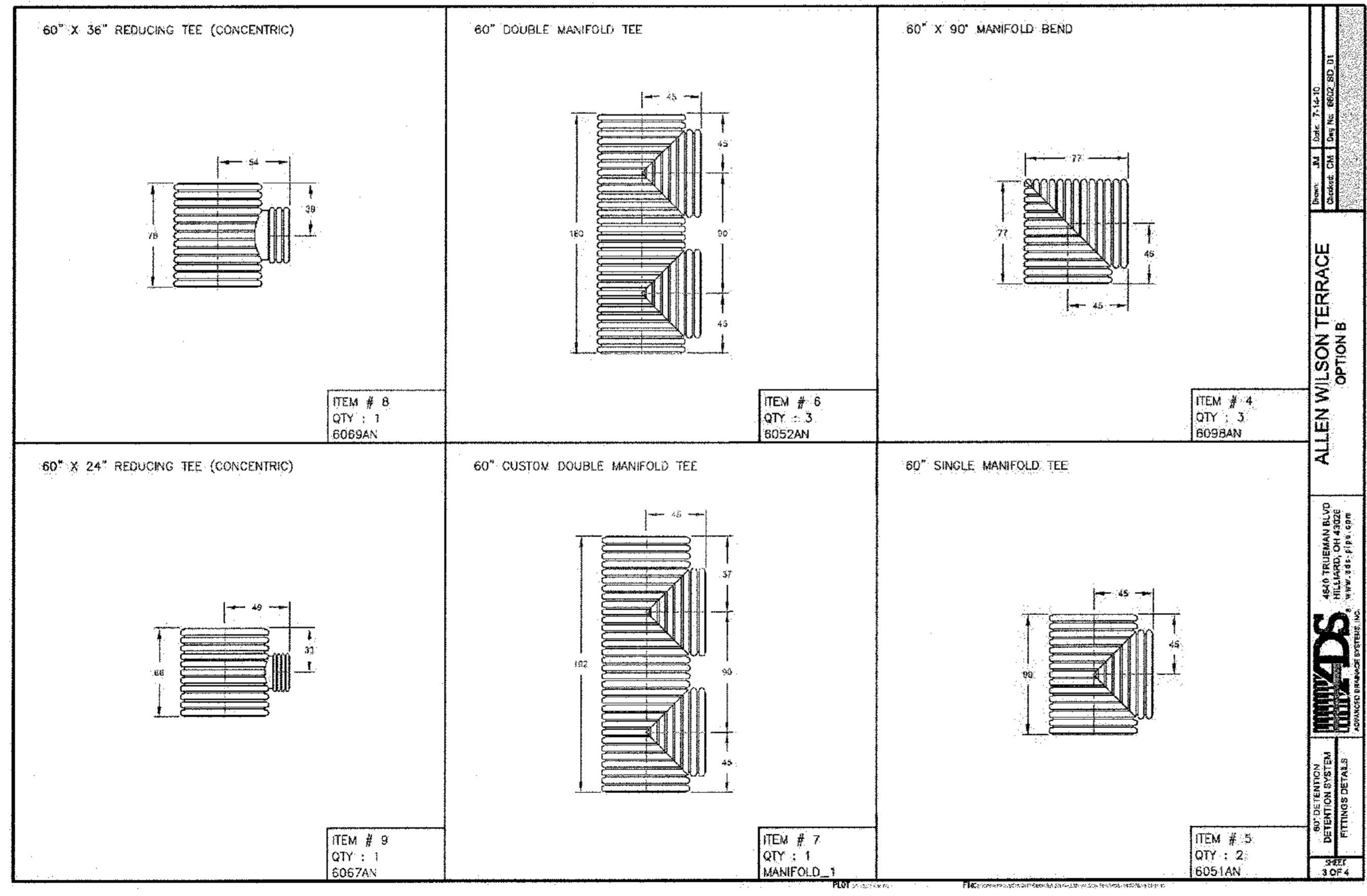
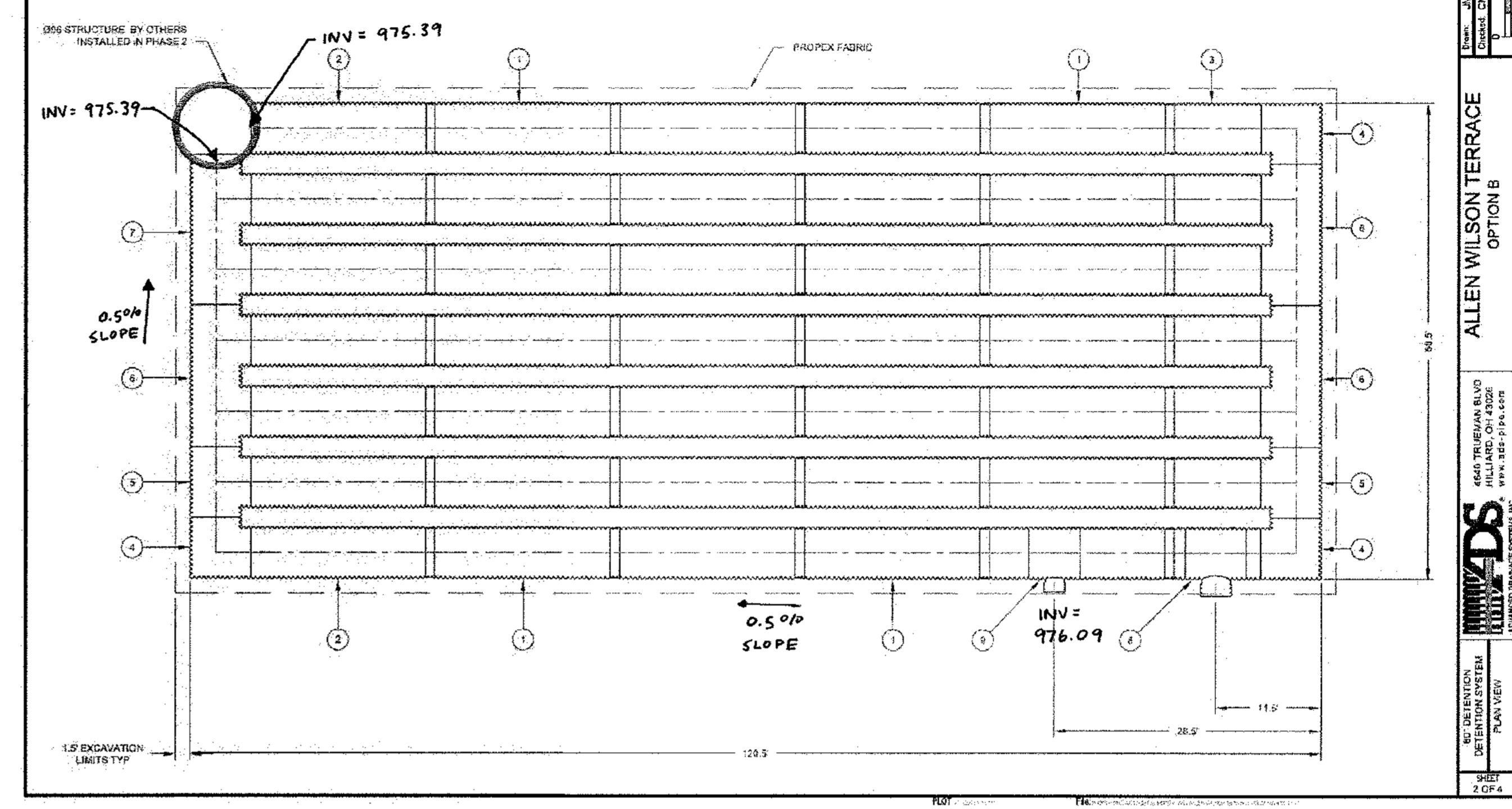
- NOTES**
- 1) ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS, INLETS AND OUTLETS, SHALL BE VERIFIED BY THE ENGINEER PRIOR TO RELEASING FOR FABRICATION.
  - 2) IN SITUATIONS WHERE A FINE-GRAINED BACKFILL MATERIAL IS USED ADJACENT TO THE PIPE SYSTEM, AND ESPECIALLY INVOLVING GROUND WATER CONDITIONS, CONSIDERATION SHOULD BE GIVEN TO THE USE OF GASKETED PIPE JOINTS. AT THE VERY LEAST THE PIPE JOINTS SHOULD BE WRAPPED IN A SUITABLE, NON-WOVEN GEOTEXTILE FABRIC TO PREVENT INFILTRATION OF FIBERS INTO THE PIPE SYSTEM.
  - 3) CONSIDERATION FOR CONSTRUCTION EQUIPMENT LOADS MUST BE TAKEN INTO ACCOUNT.
  - 4) ALL PIPE DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES.
  - 5) ALL RISERS TO BE FIELD EXTENDED OR TRIMMED TO FINAL GRADE.

THE UNDERSIGNED HEREBY APPROVES THE ATTACHED (4) PAGES.

\_\_\_\_\_  
CUSTOMER DATE

NO.	DATE	REVISION	BY	CHKD
1	3/11/11	REVISE PER NEW INSET POINT	JM	GM

BILL OF MATERIALS					
ITEM	QTY	DESCRIPTION	UNIT	PRICE	TOTAL
1	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
2	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
3	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
4	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
5	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
6	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
7	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
8	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
9	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
10	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
11	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
12	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
13	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
14	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
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16	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
17	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
18	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
19	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00
20	1	ADS RETENTION/DETENTION PIPE SYSTEM	LINEAL FOOT	100.00	100.00



REV. NO.	DATE	BY	CHKD	DESCRIPTION
3	03/15/11	BWS	JMK	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CONSTRUCTION DETAILS 4**

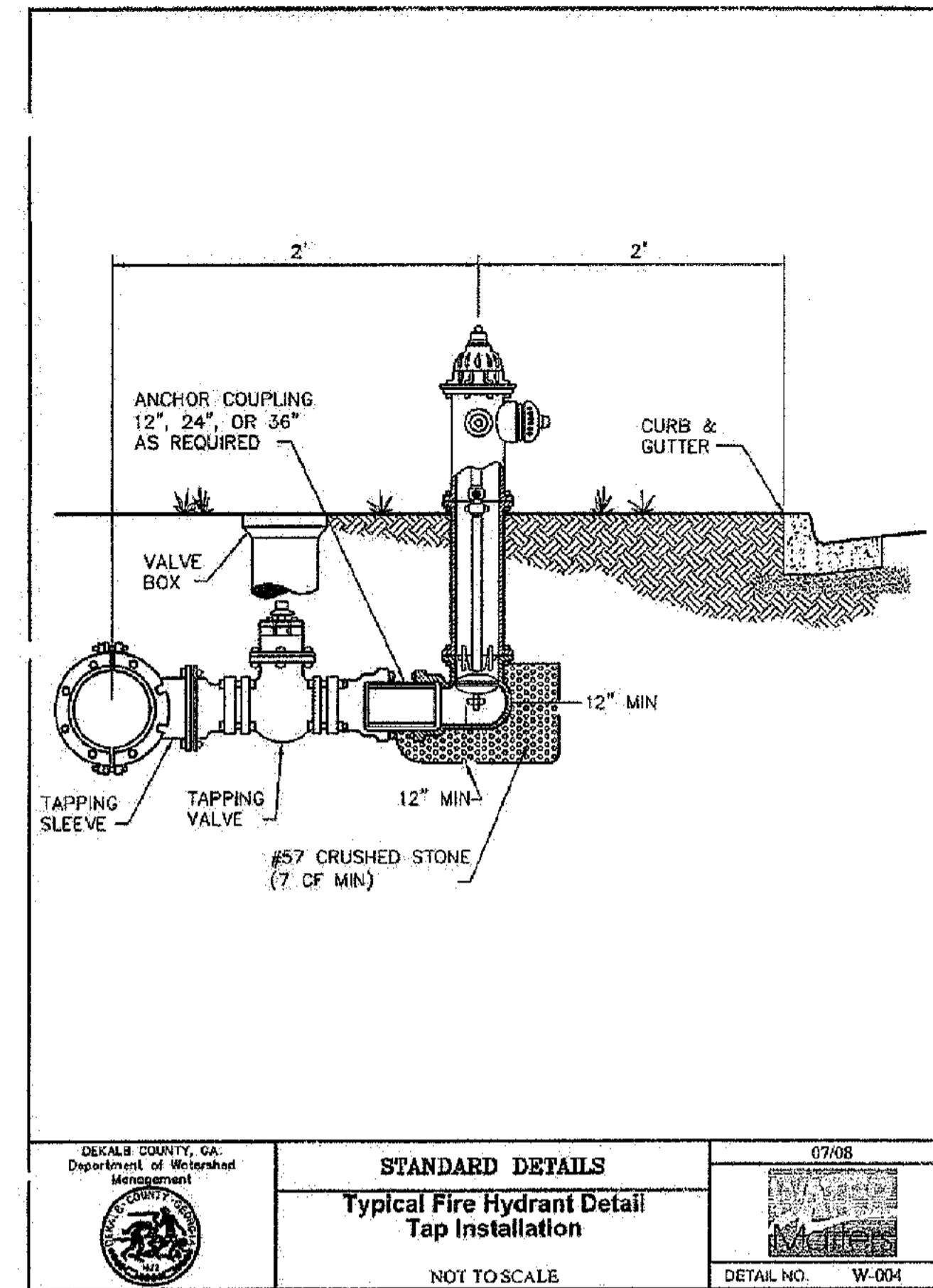
GEORGIA REGISTERED PROFESSIONAL ENGINEER  
 MARK KILB

HORIZONTAL SCALE: N/A  
 VERTICAL SCALE: N/A  
 DRAWN BY: KAG  
 DESIGNED BY: JSW  
 CHECKED BY: JMK

DATE: 01-27-11 JOB NUMBER: 019636000 SHEET NUMBER: C-25 of 35

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terraces\CADD\CONSTR\PHASE 2\019636000\_22\_P2-DETAILS-CONST.dwg CONSTRUCTION DETAILS - 5 May 18, 2011 8:53am by: josh.reynolds



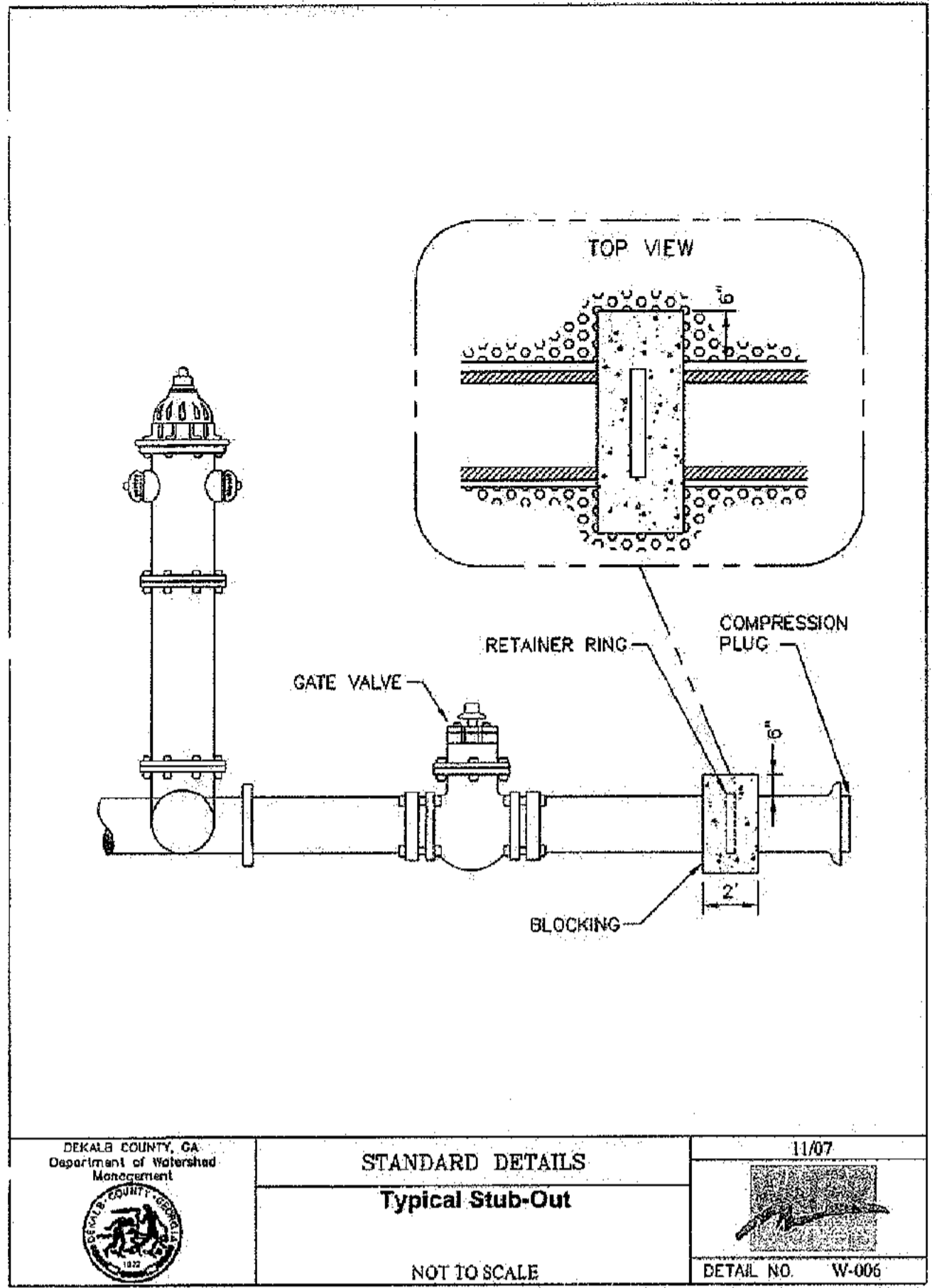
DEKALB COUNTY, GA  
Department of Watershed Management

**STANDARD DETAILS**  
Typical Fire Hydrant Detail Tap Installation

NOT TO SCALE

07/08

DETAIL NO. W-004



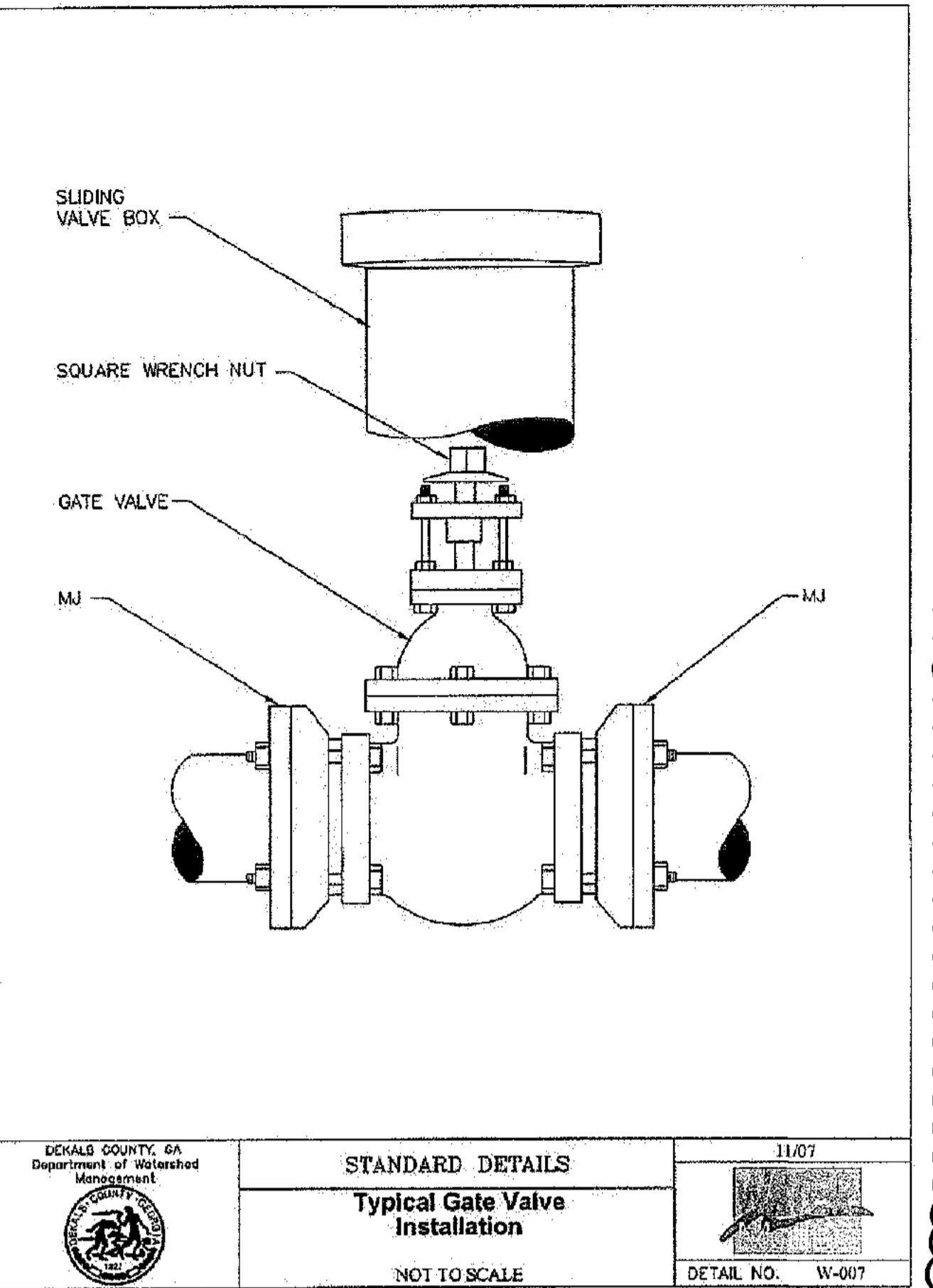
DEKALB COUNTY, GA  
Department of Watershed Management

**STANDARD DETAILS**  
Typical Stub-Out

NOT TO SCALE

11/07

DETAIL NO. W-006



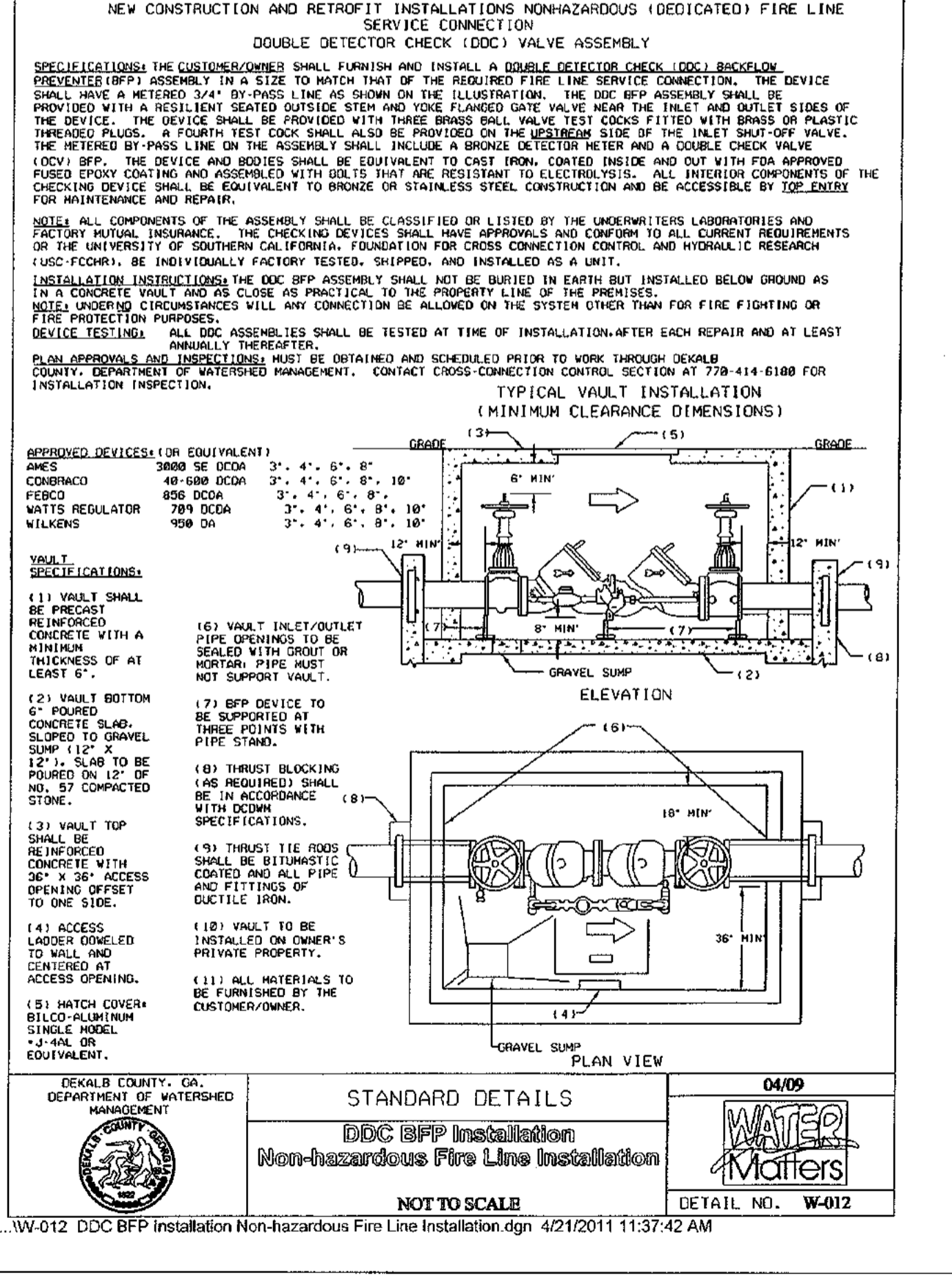
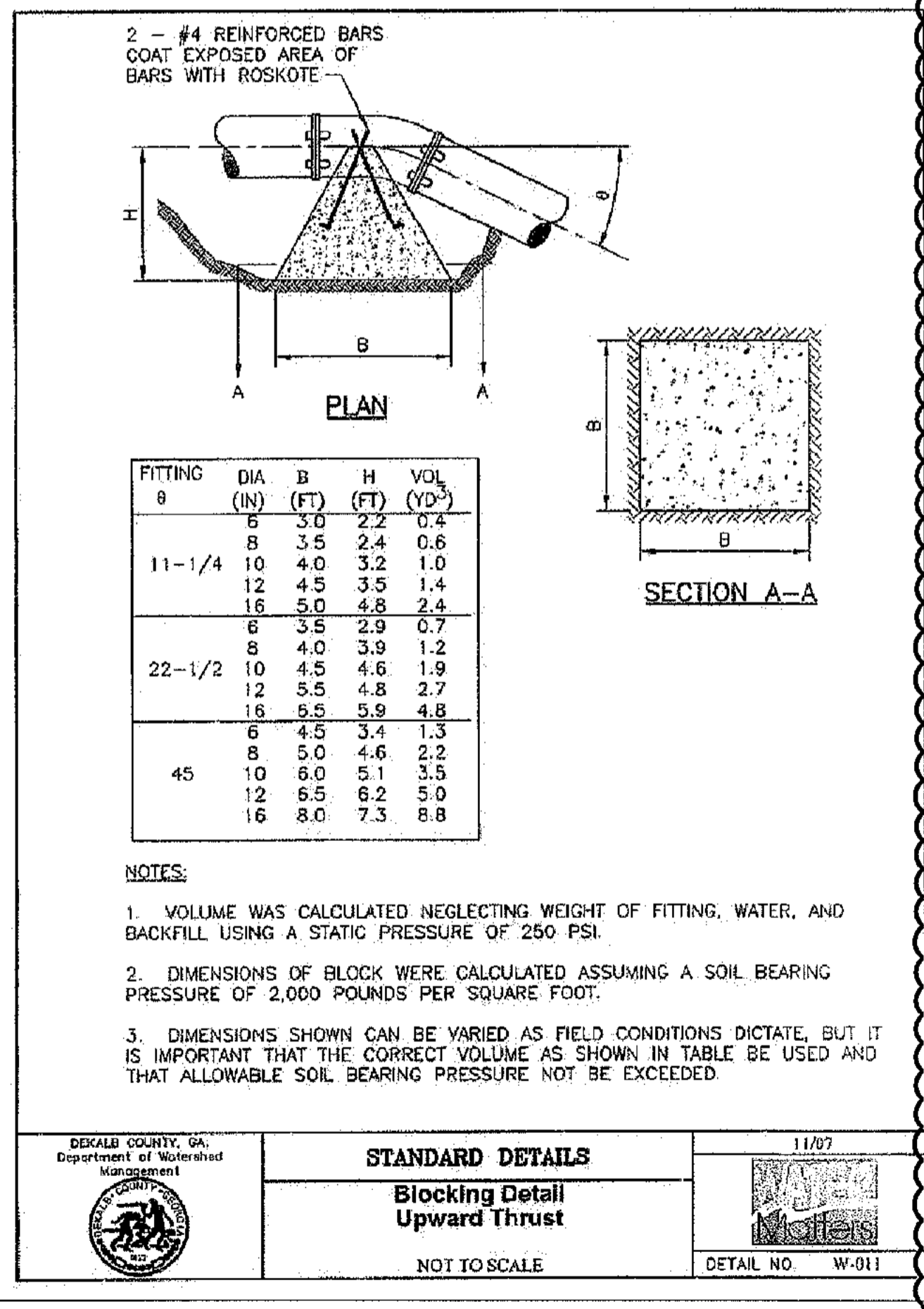
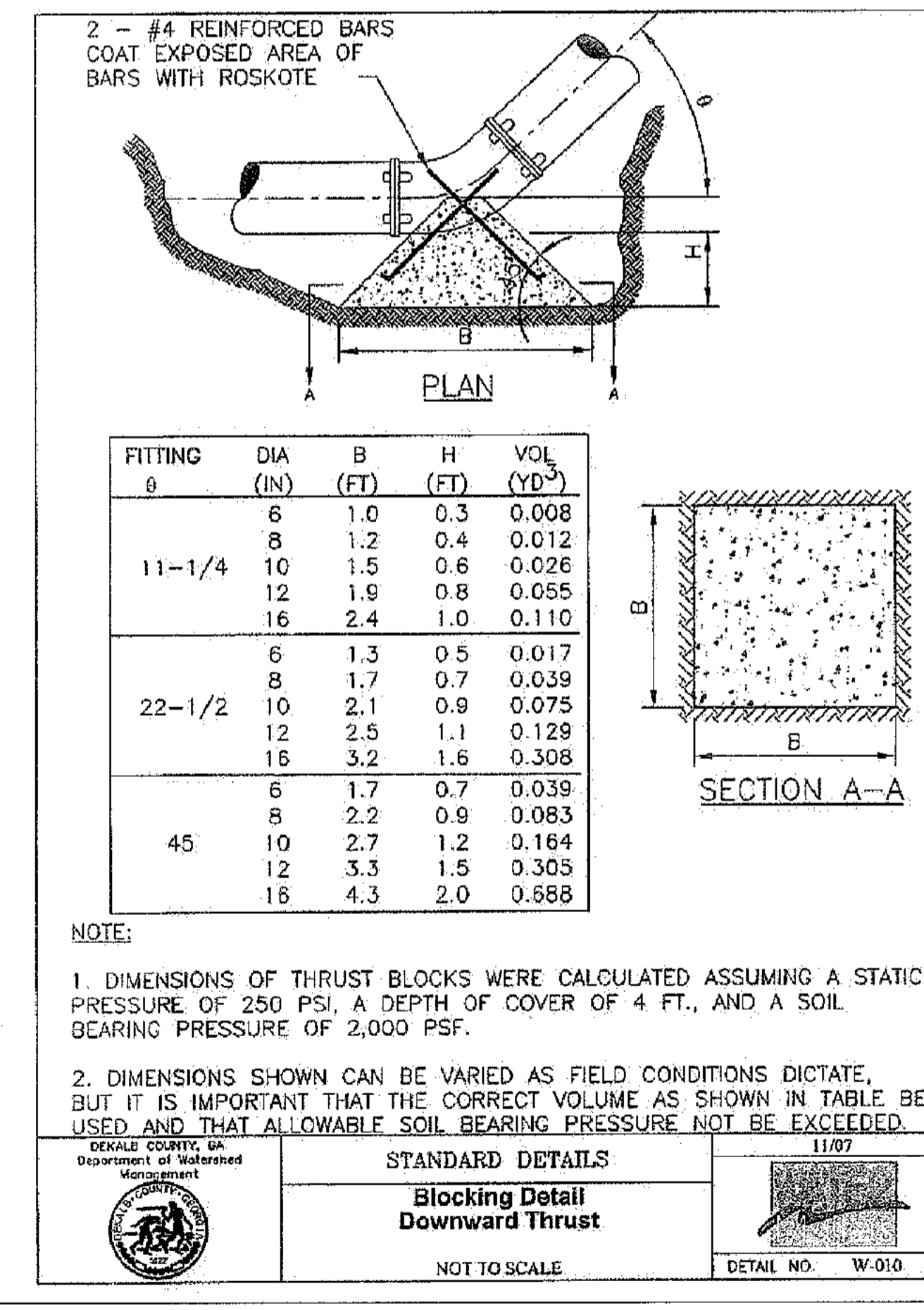
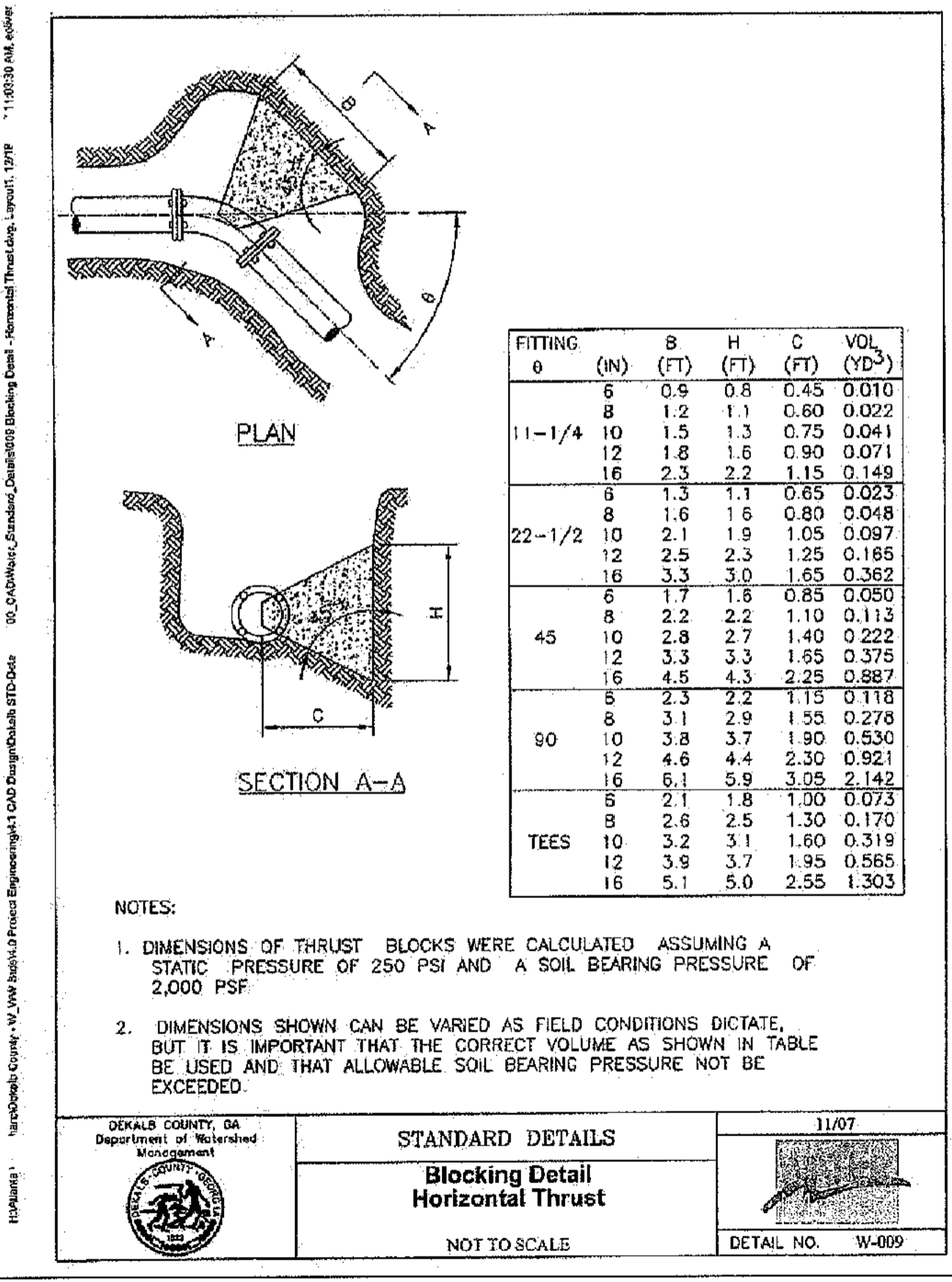
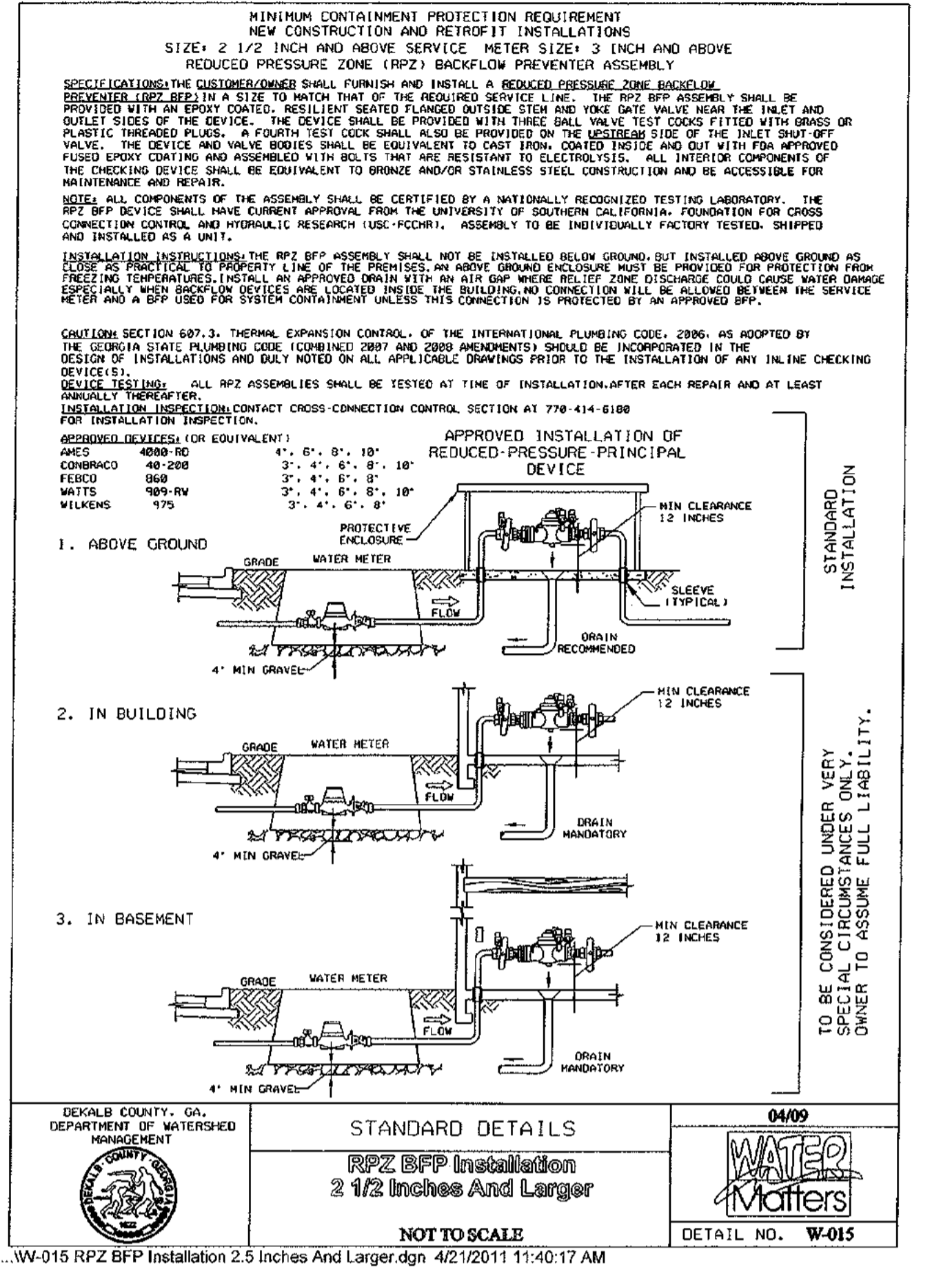
DEKALB COUNTY, GA  
Department of Watershed Management

**STANDARD DETAILS**  
Typical Gate Valve Installation

NOT TO SCALE

11/07

DETAIL NO. W-007



4	REVISIONS PER CITY OF DECATUR COMMENTS/DEKALB COUNTY COMMENTS	04/28/11	BWS	JMK
5	REVISIONS PER CITY OF DECATUR COMMENTS/DEKALB COUNTY COMMENTS	05/17/11	JCR	JMK
REV. NO.		DATE	DRAWN BY	CHECKED BY

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PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CONSTRUCTION DETAILS 5**

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**

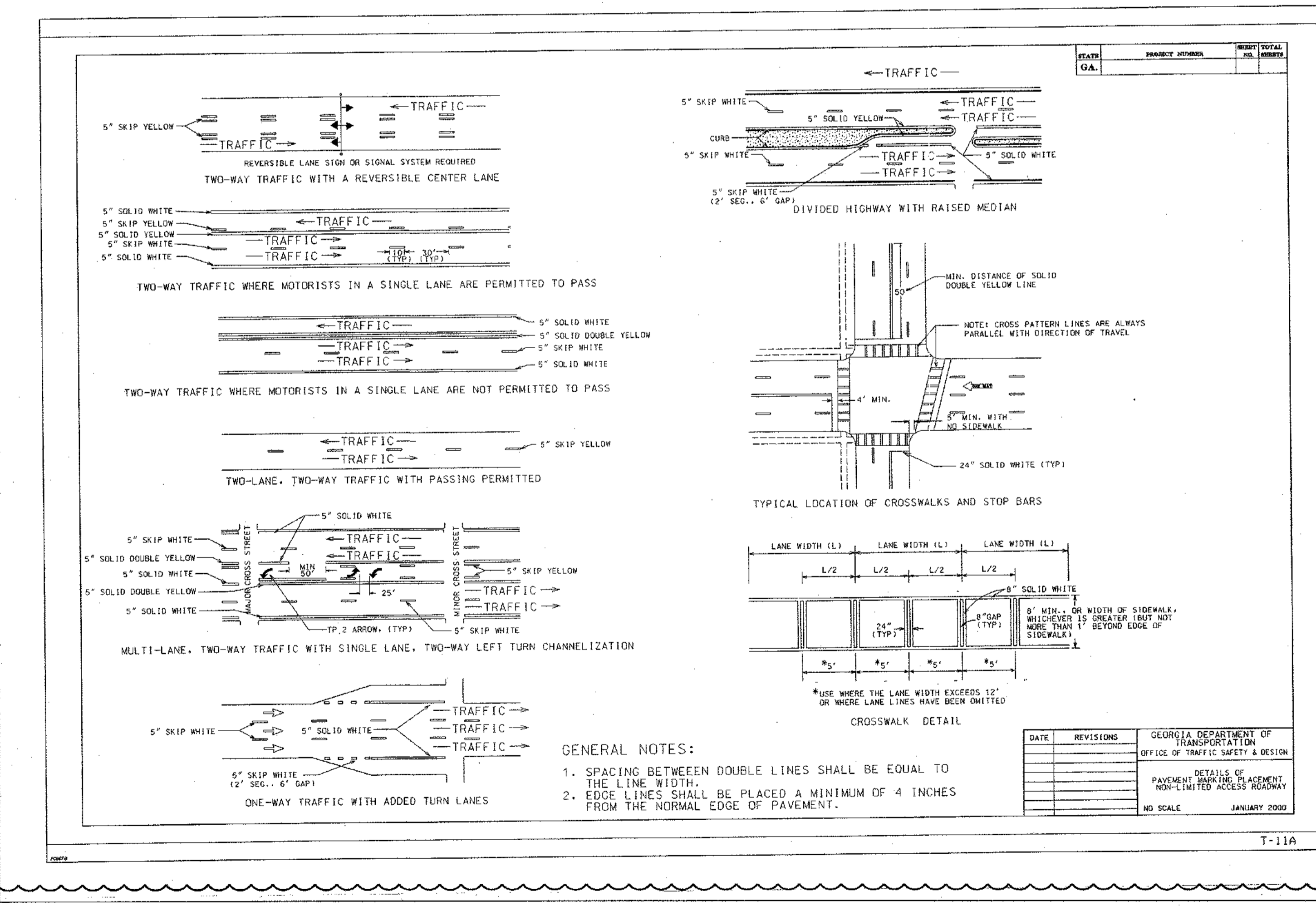
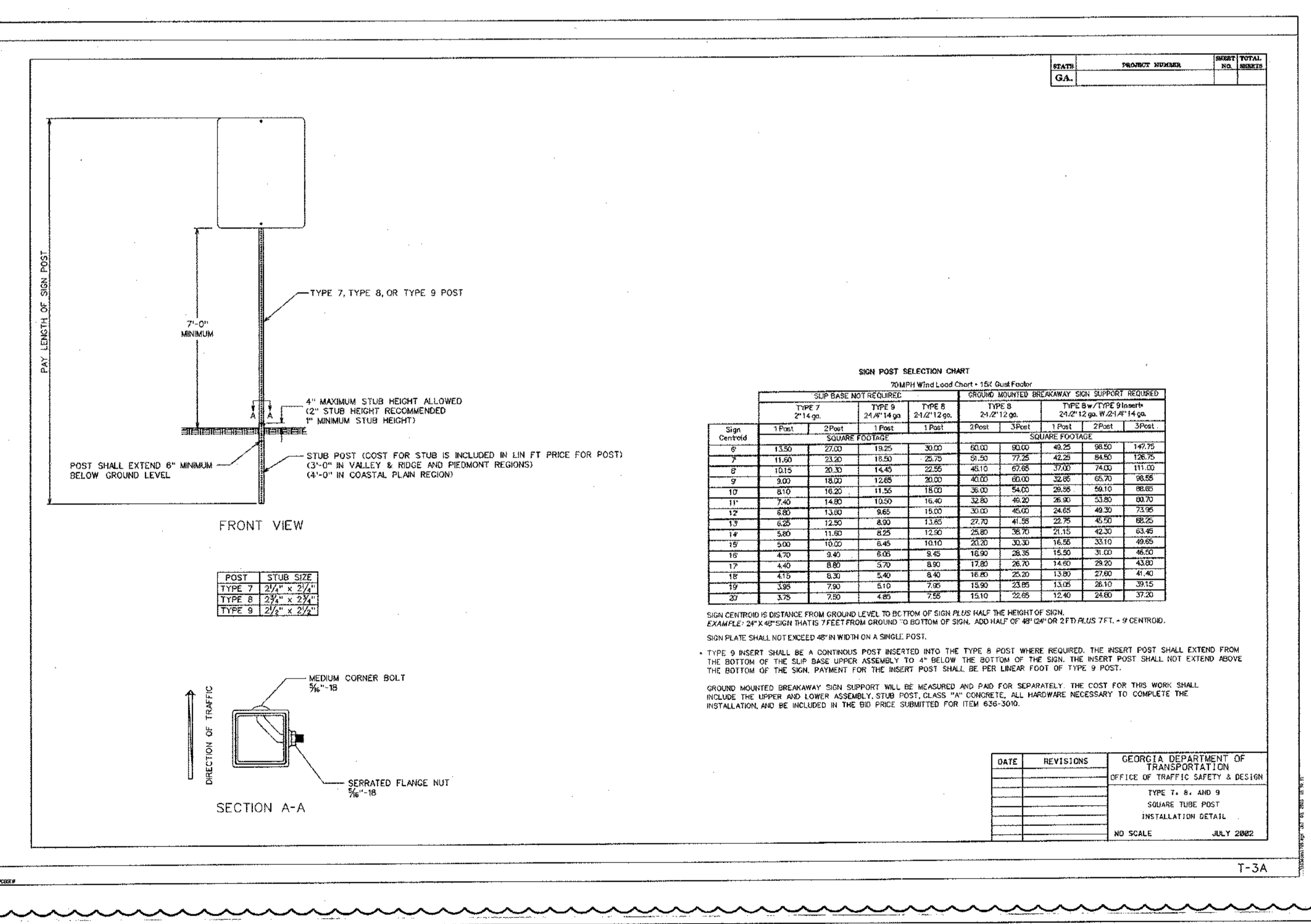
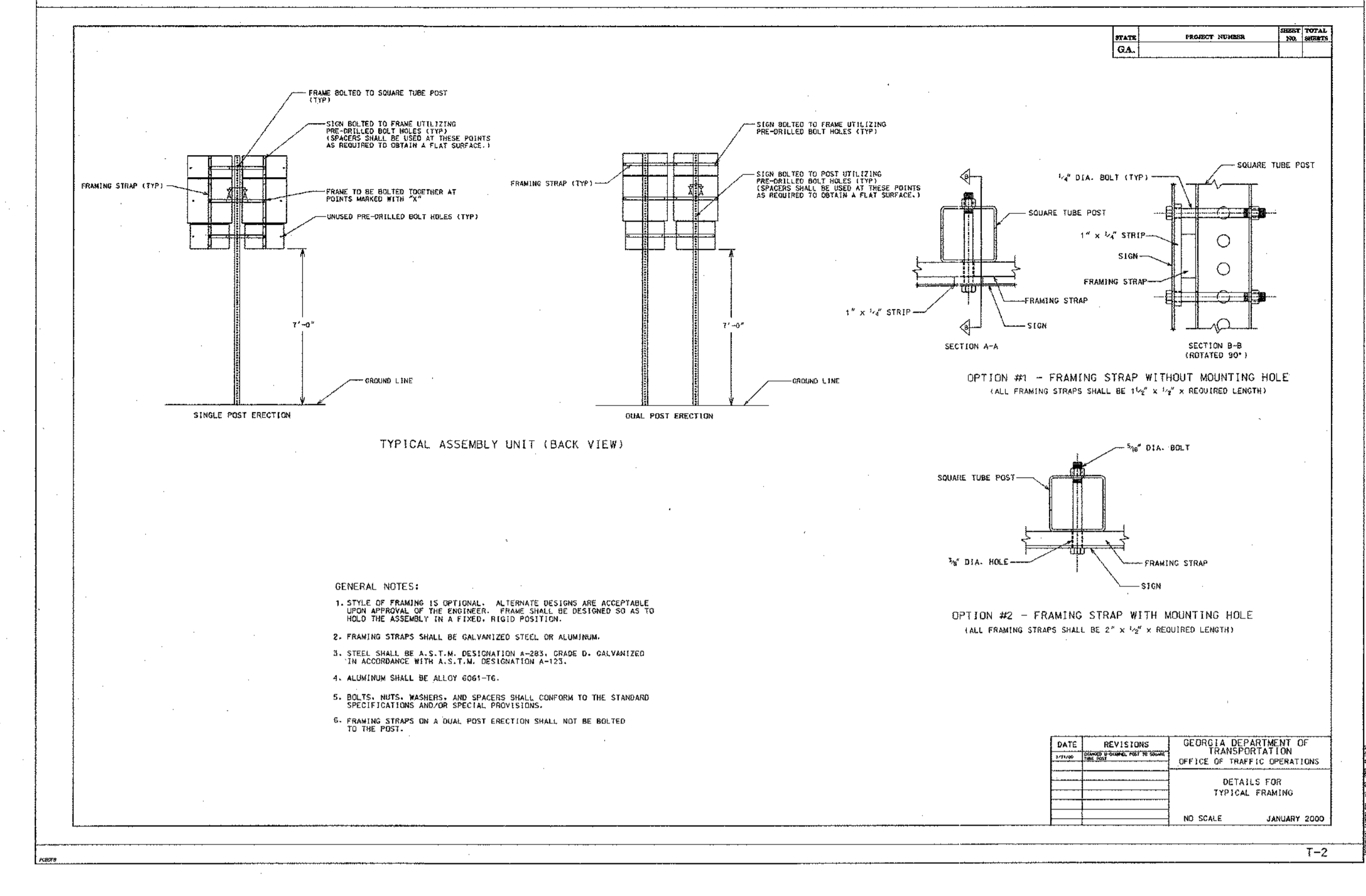
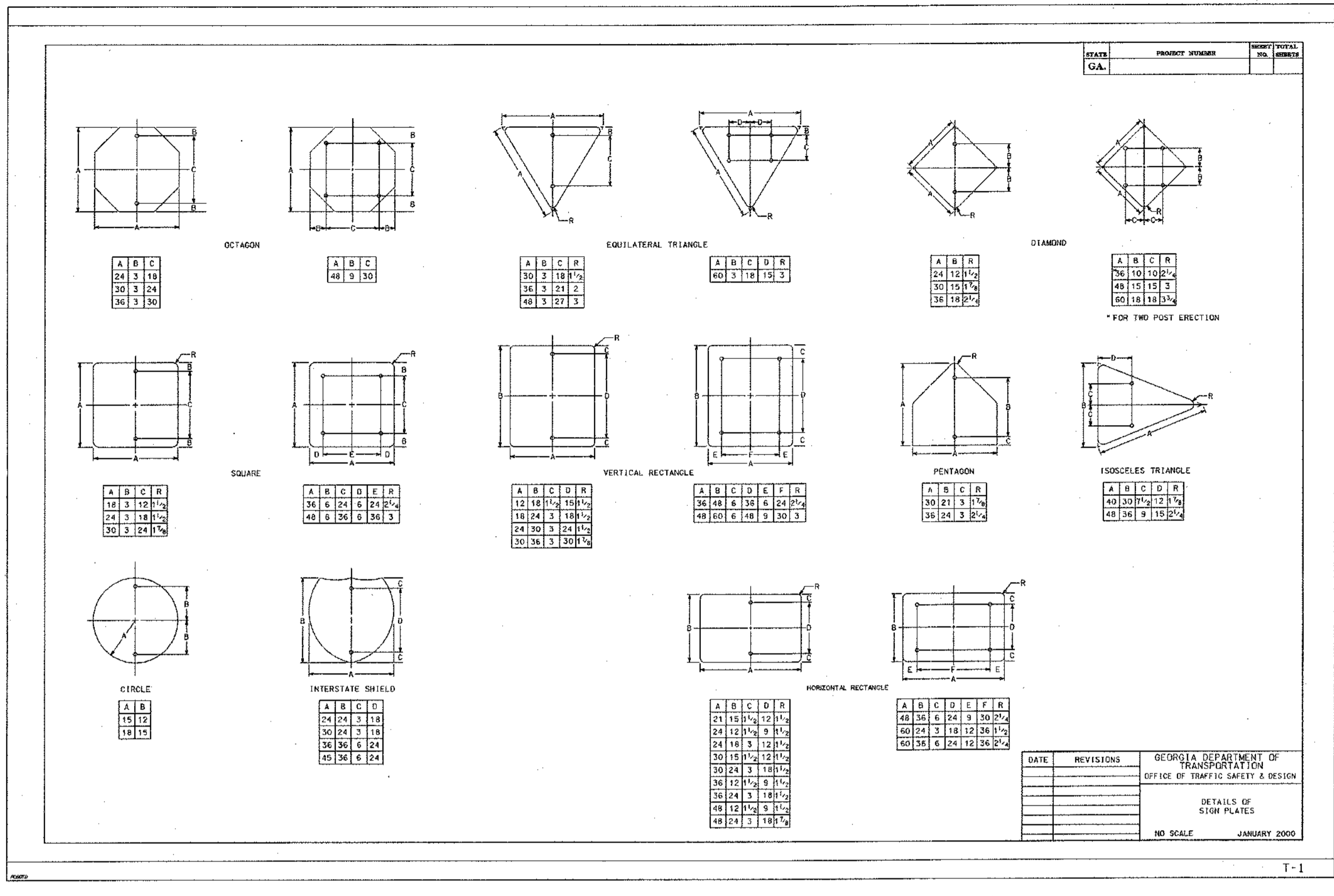
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11

JOB NUMBER: 019636000

SHEET NUMBER: C-26 of 35

Drawing name: K:\A\T\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CONSTR\PHASE 2\019636000\_22\_P2-DETAILS-CONST.dwg CONSTRUCTION DETAILS - 6 Apr 29, 2011 10:20am by: ben.skidmore



REV. NO.	REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIOPRETENTION	DATE	DRAWN BY:	CHECKED BY:
3		03/15/11	BWS	JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
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2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

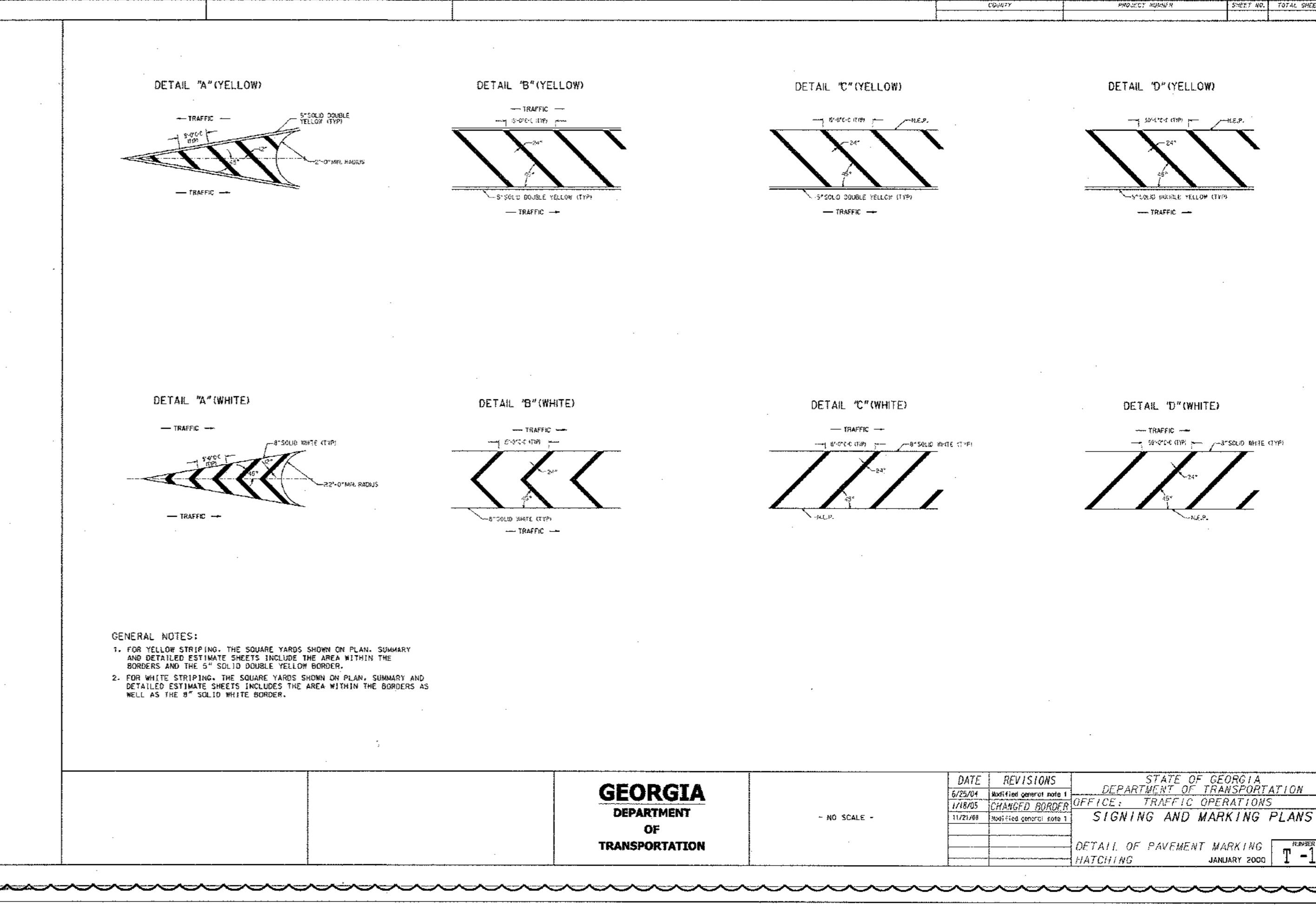
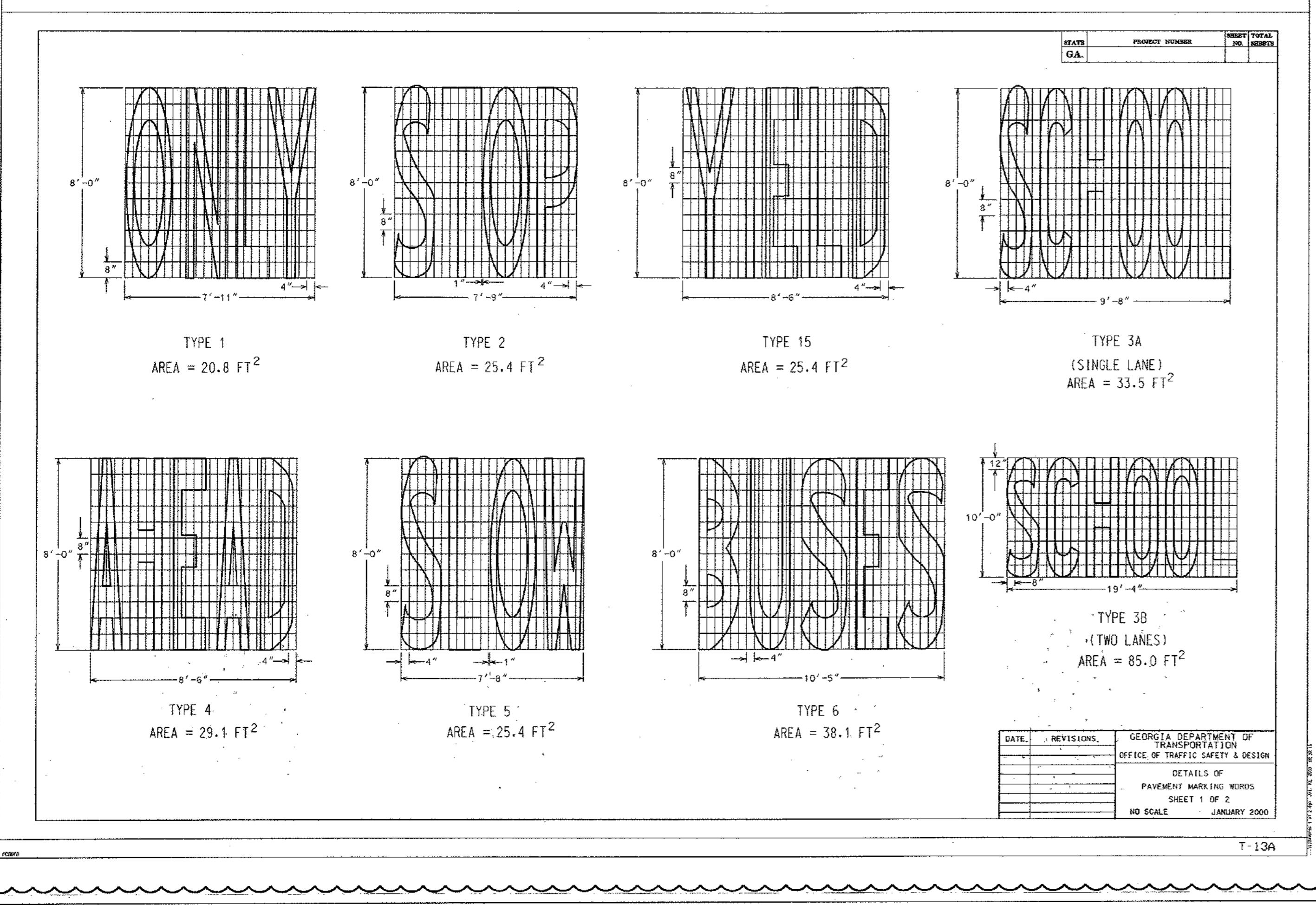
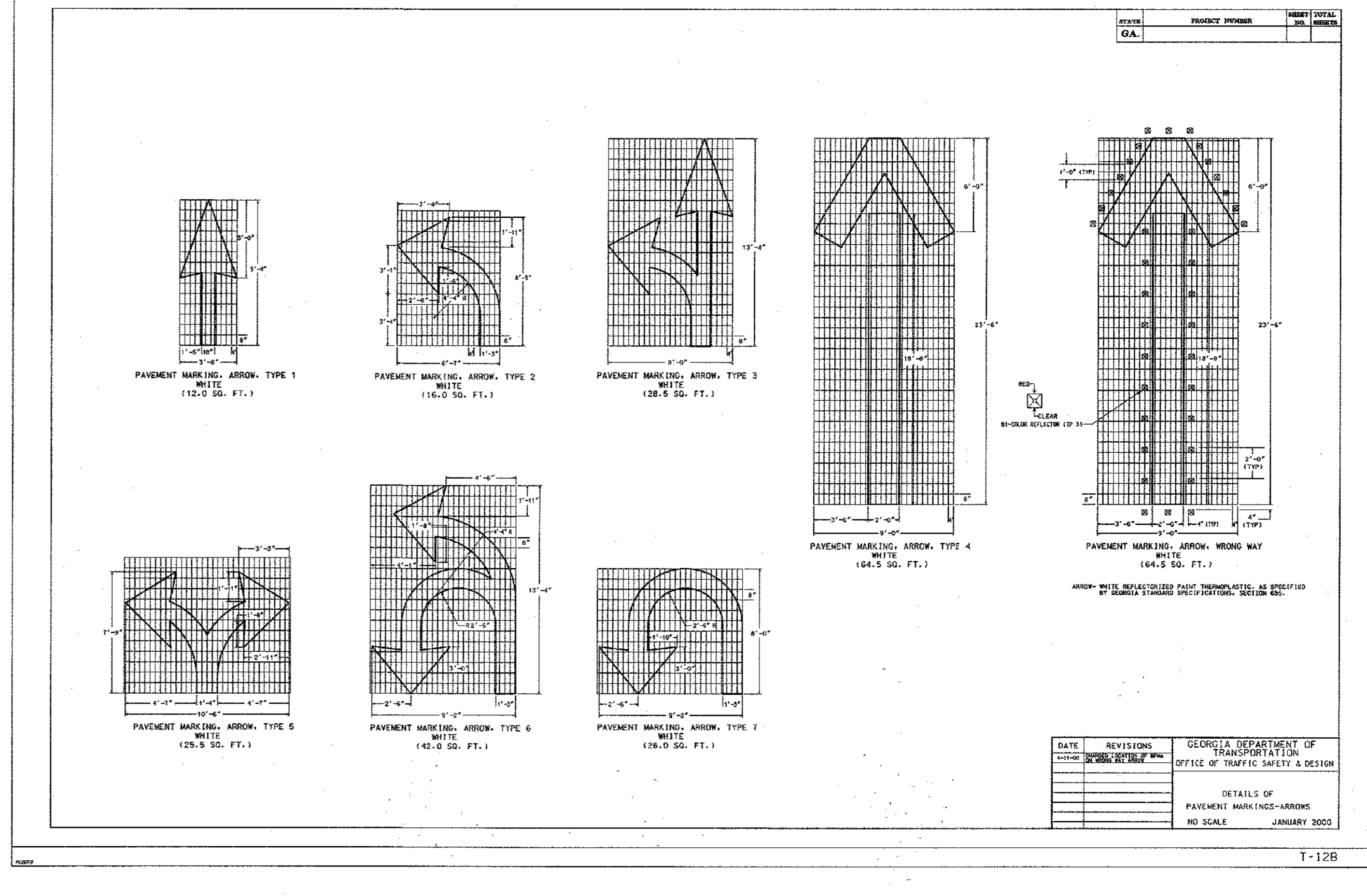
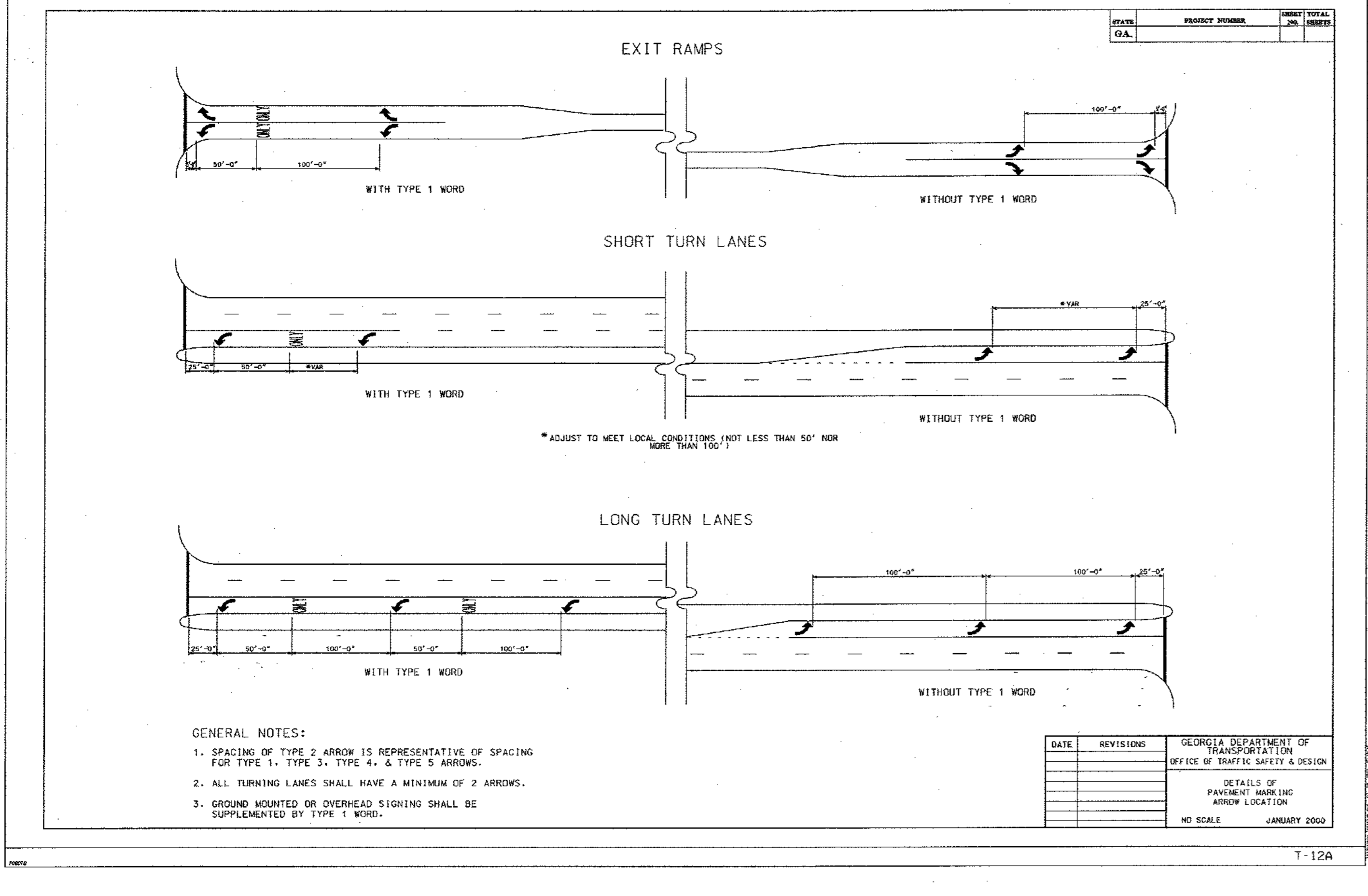
TITLE: **CONSTRUCTION DETAILS 6**

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		DETAILS OF PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY
		NO SCALE JANUARY 2000

DATE: 01-27-11 JOB NUMBER: 019636000 SHEET NUMBER: C-27 OF 35

Drawing name: K:\AMT\CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CONSTR\PHASE 2\019636000\_22\_P2-DETAILS-CONST.dwg CONSTRUCTION DETAILS - 7 Apr 29, 2011 10:20am by: ben.skidmore



REV. NO.	DATE	BY	CHECKED BY
3	03/15/11	BWS	JMK

REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CONSTRUCTION DETAILS 7**

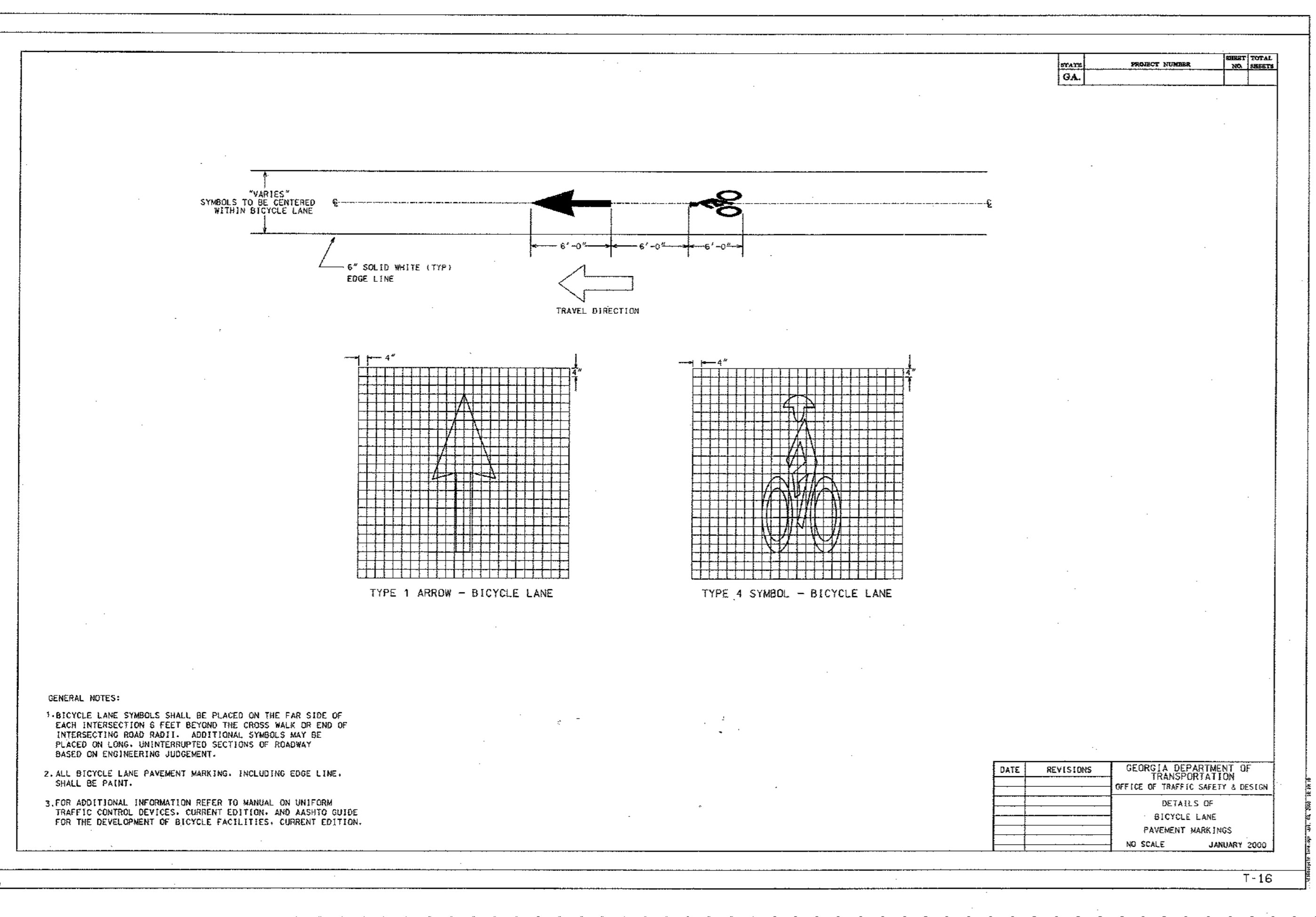
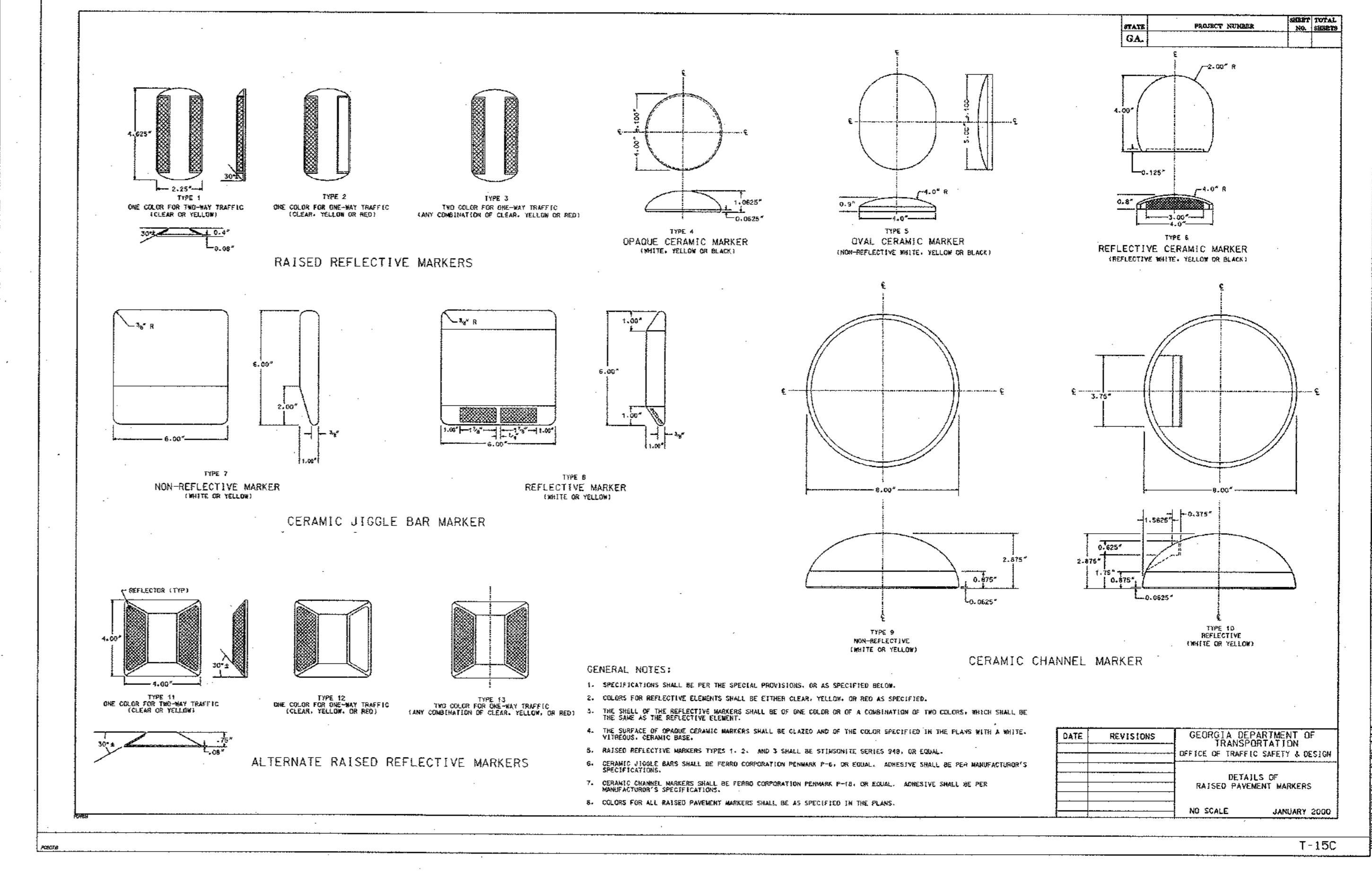
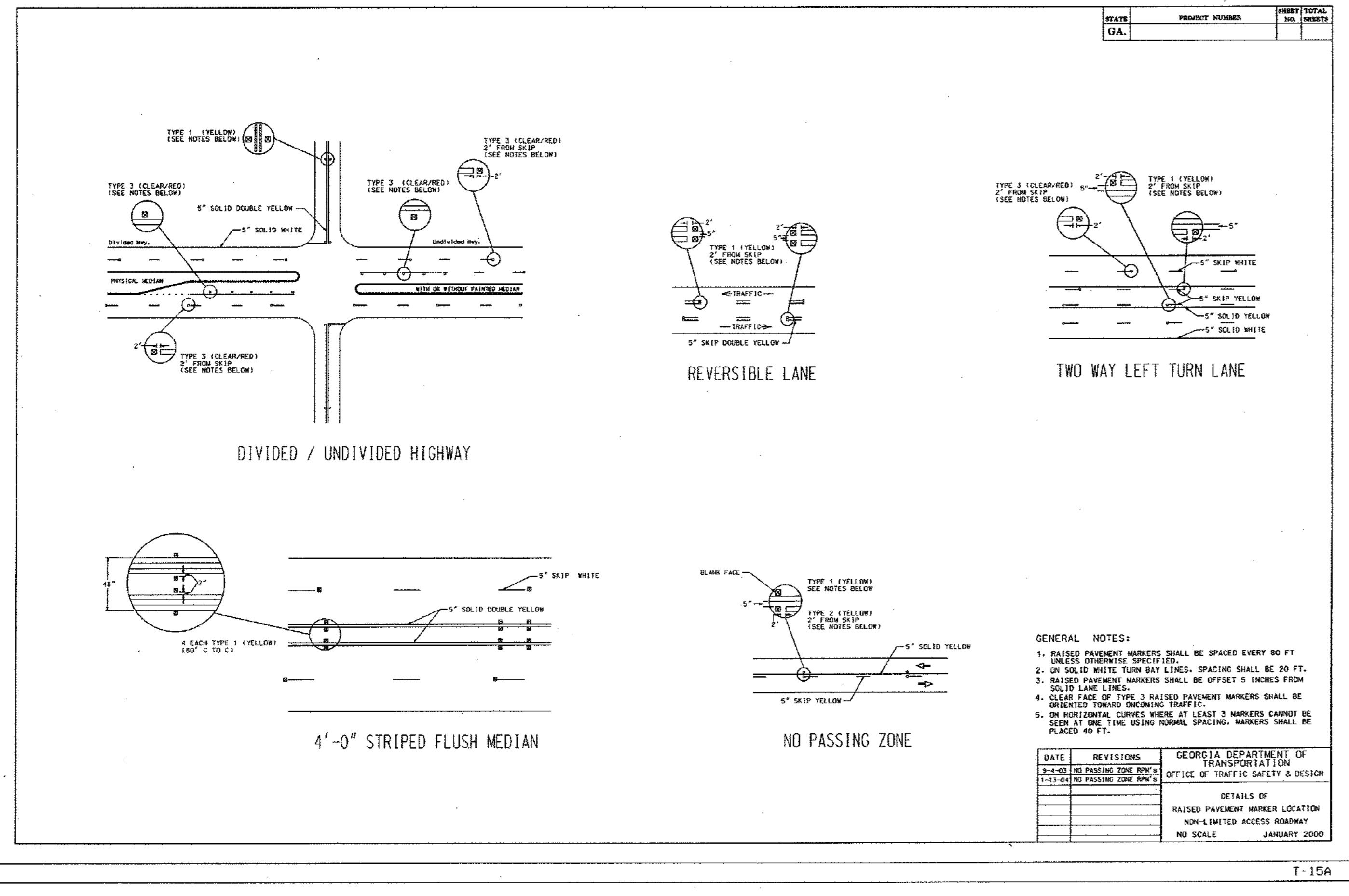
MARK KILLE  
Professional Engineer  
No. 112748  
State of Georgia

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**

LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11      JOB NUMBER: 019636000      SHEET NUMBER: C-28 of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrance\CADD\CONSTR\PHASE 2\019636000\_22\_P2-DETAILS-CONST.dwg CONSTRUCTION DETAILS - 8 Apr 28, 2011 10:21am by: ben.skidmore



REV. NO.	DATE	DRAWN BY:	CHECKED BY:
3	03/15/11	BWS	JMK

REVISIONS PER CITY OF DECATUR COMMENTS / ADDED BIORETENTION

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

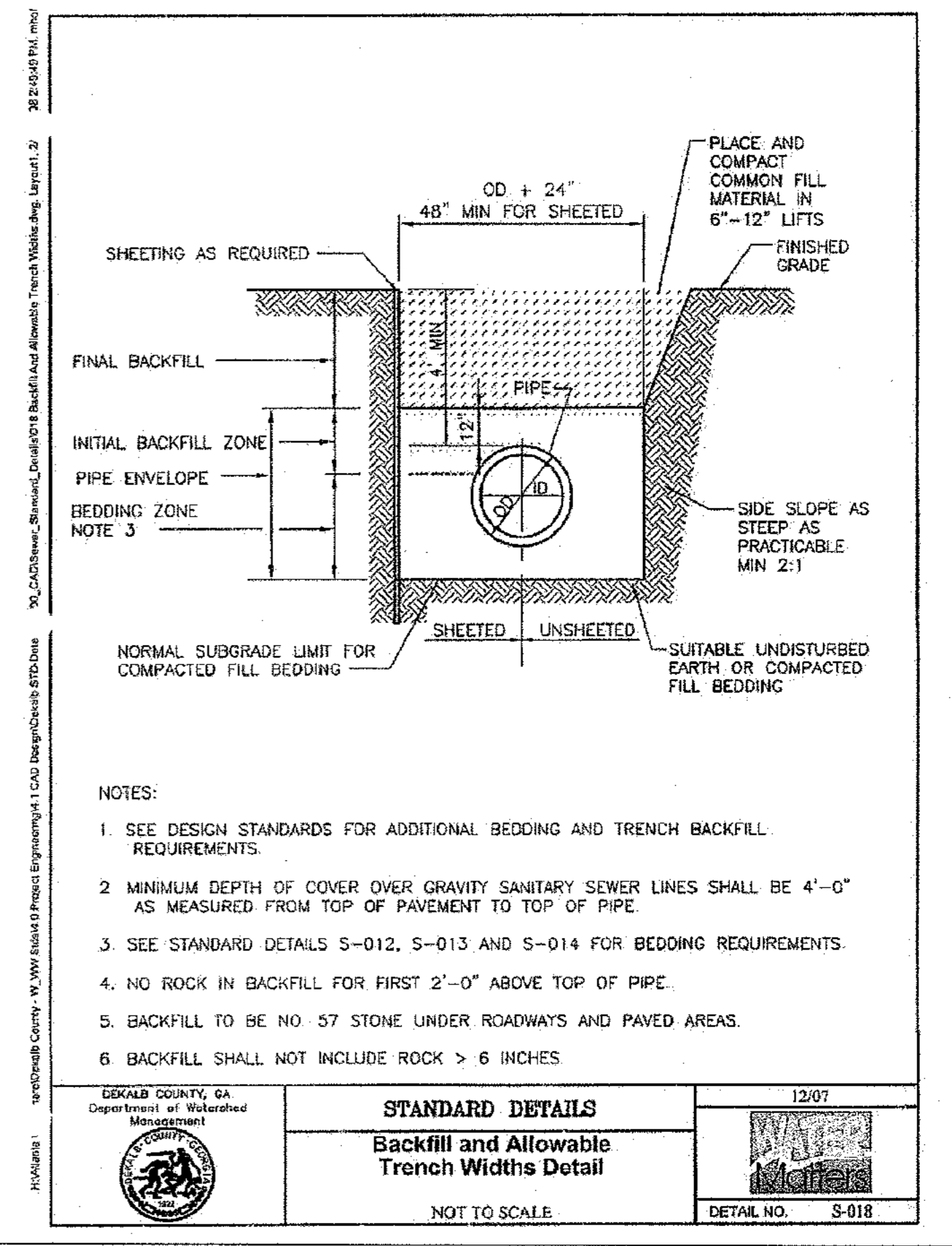
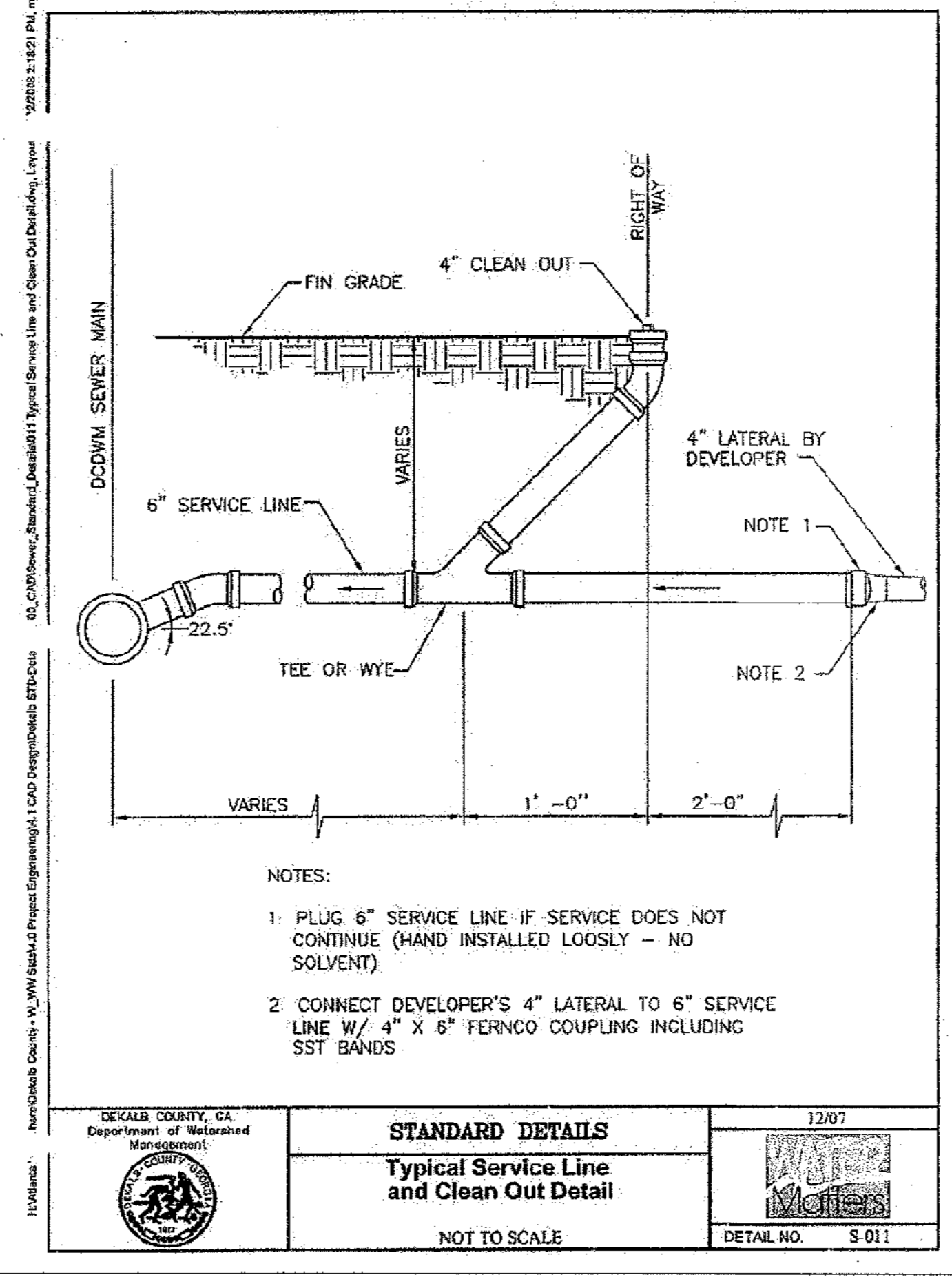
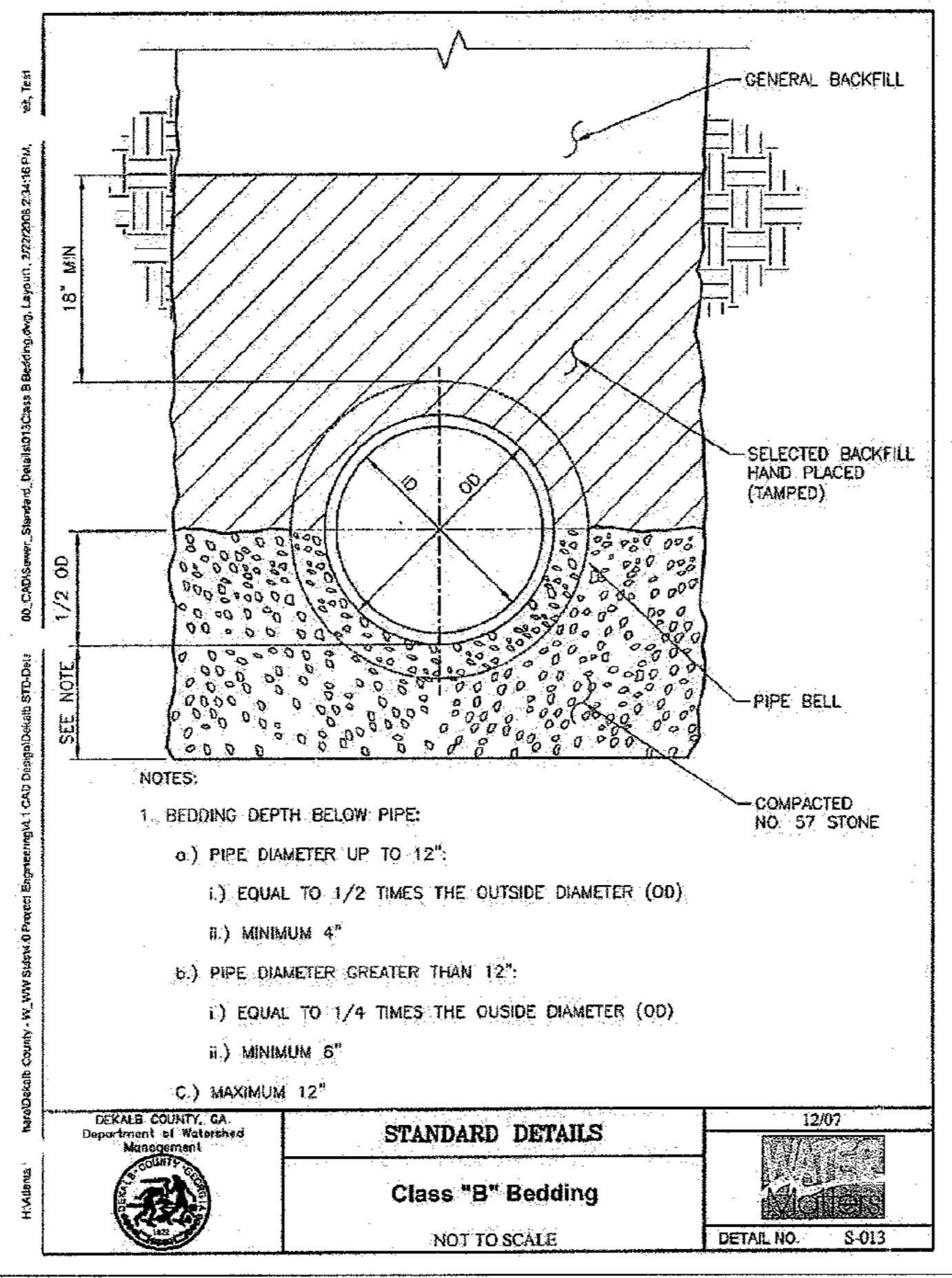
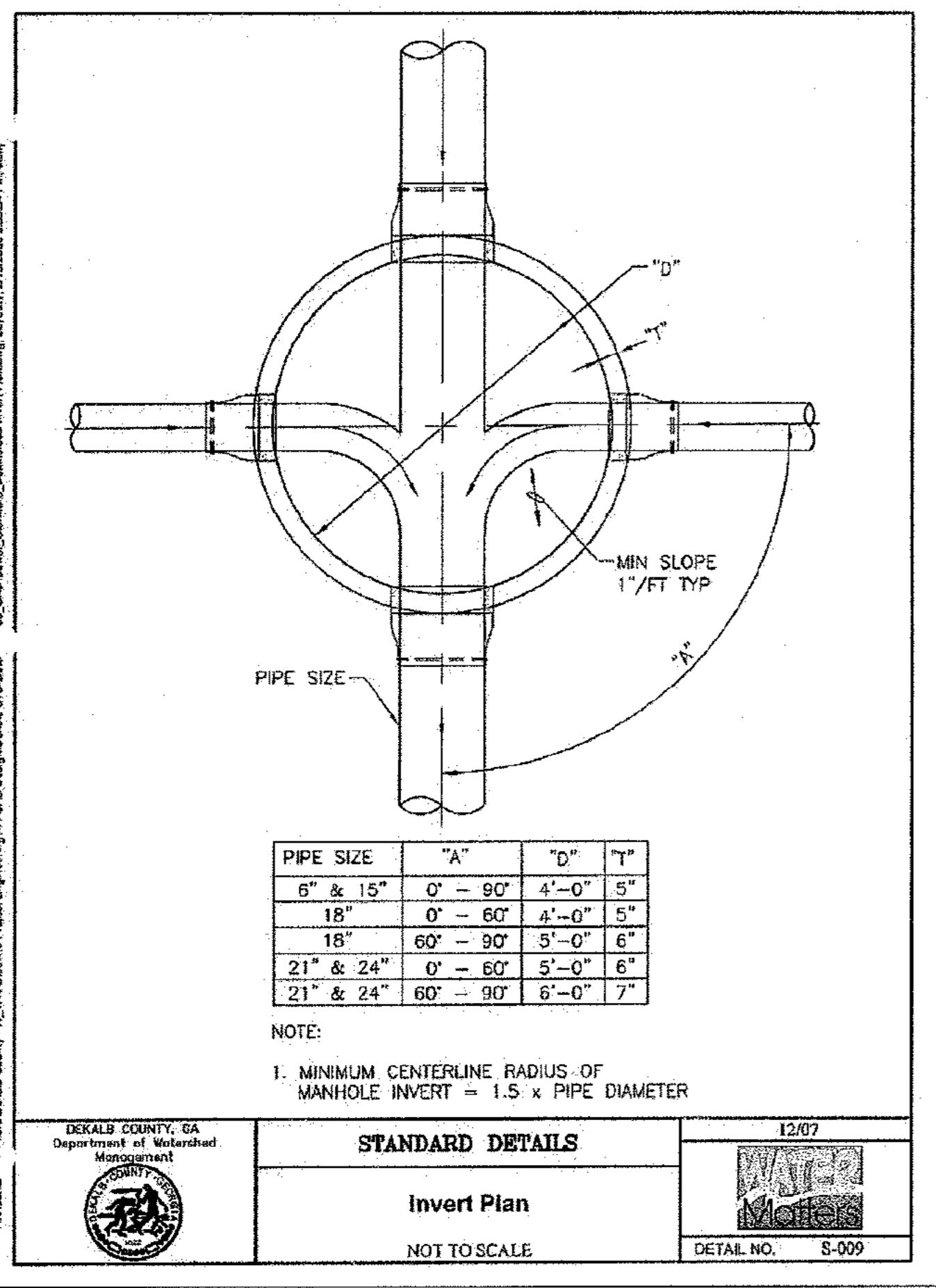
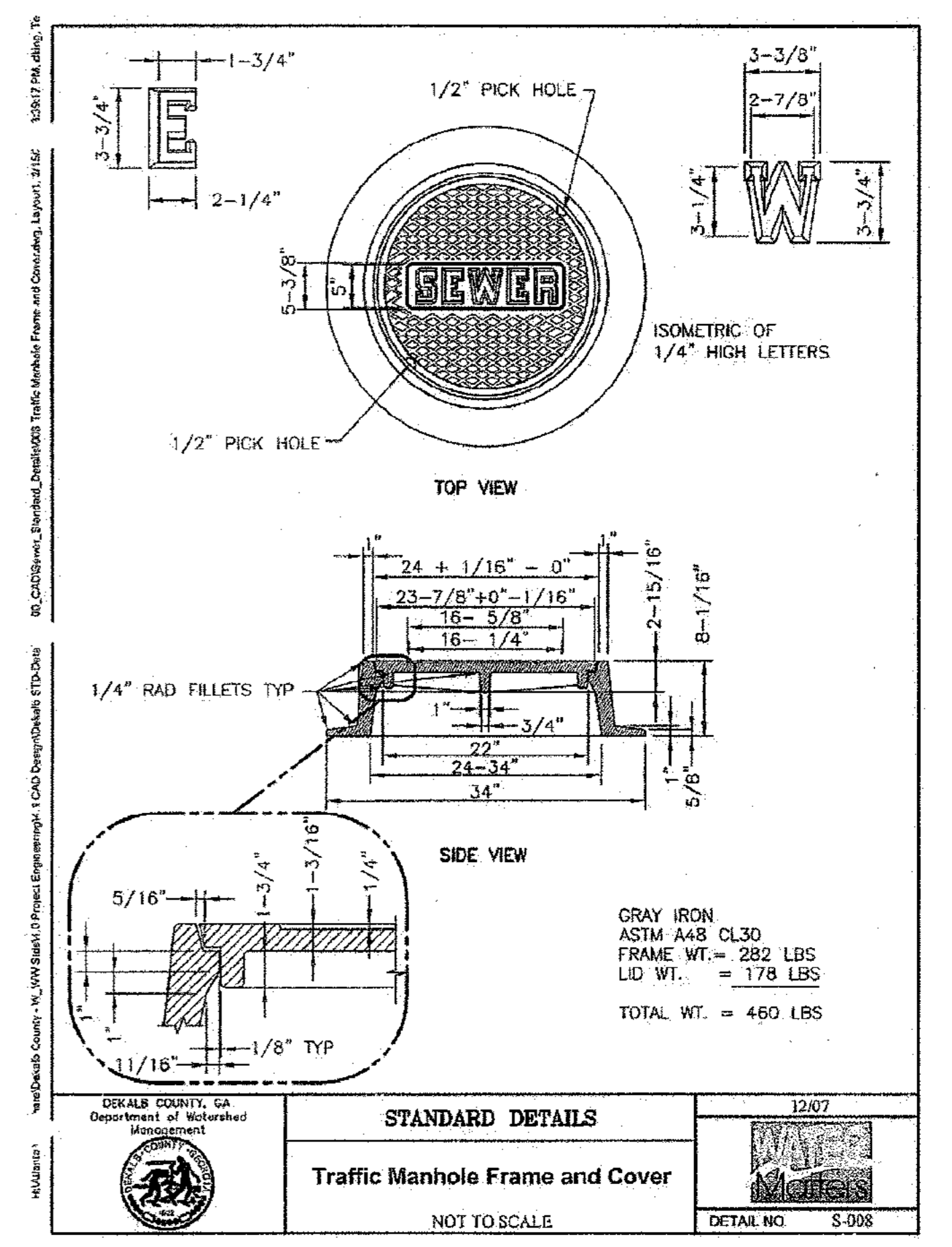
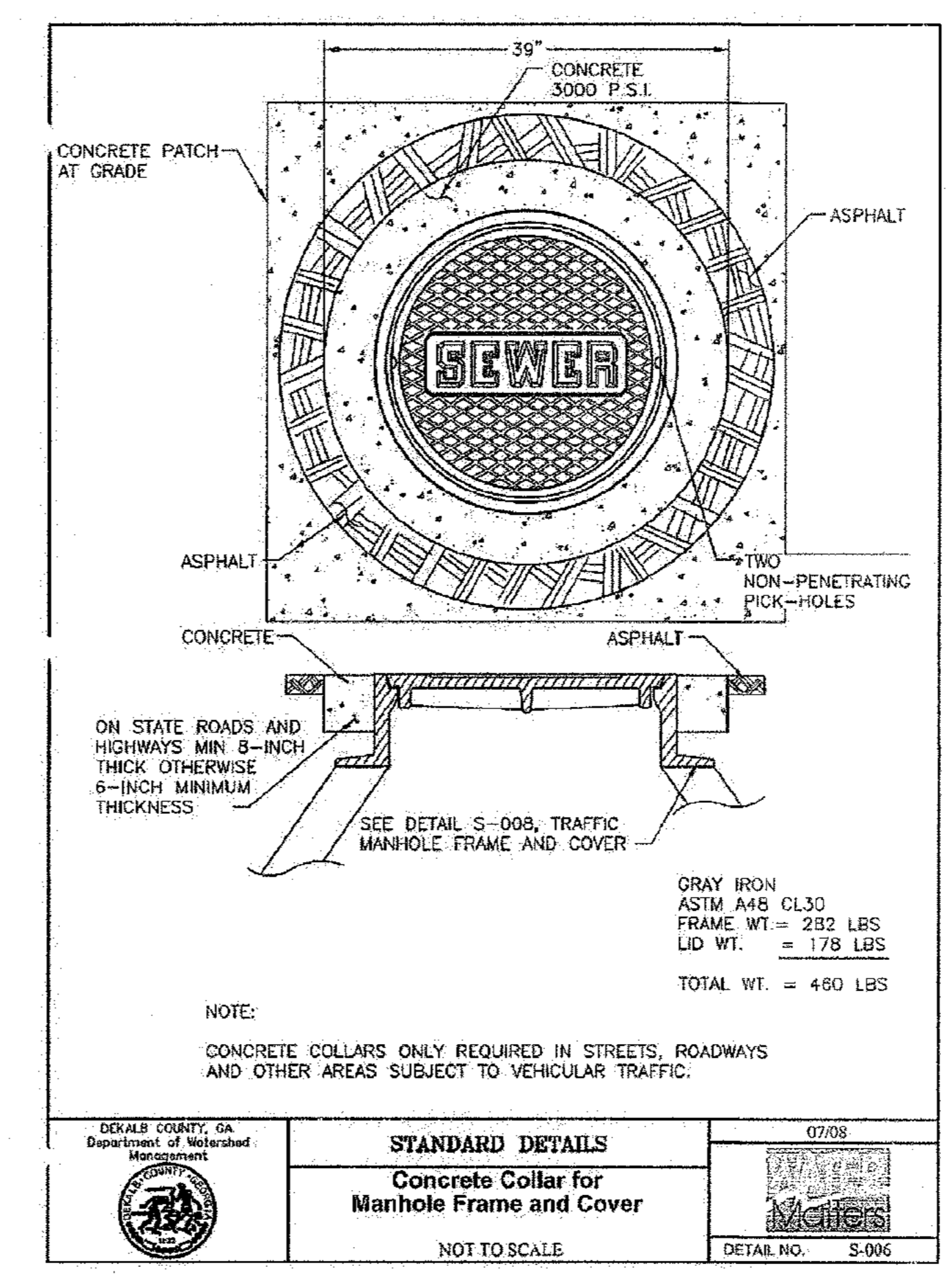
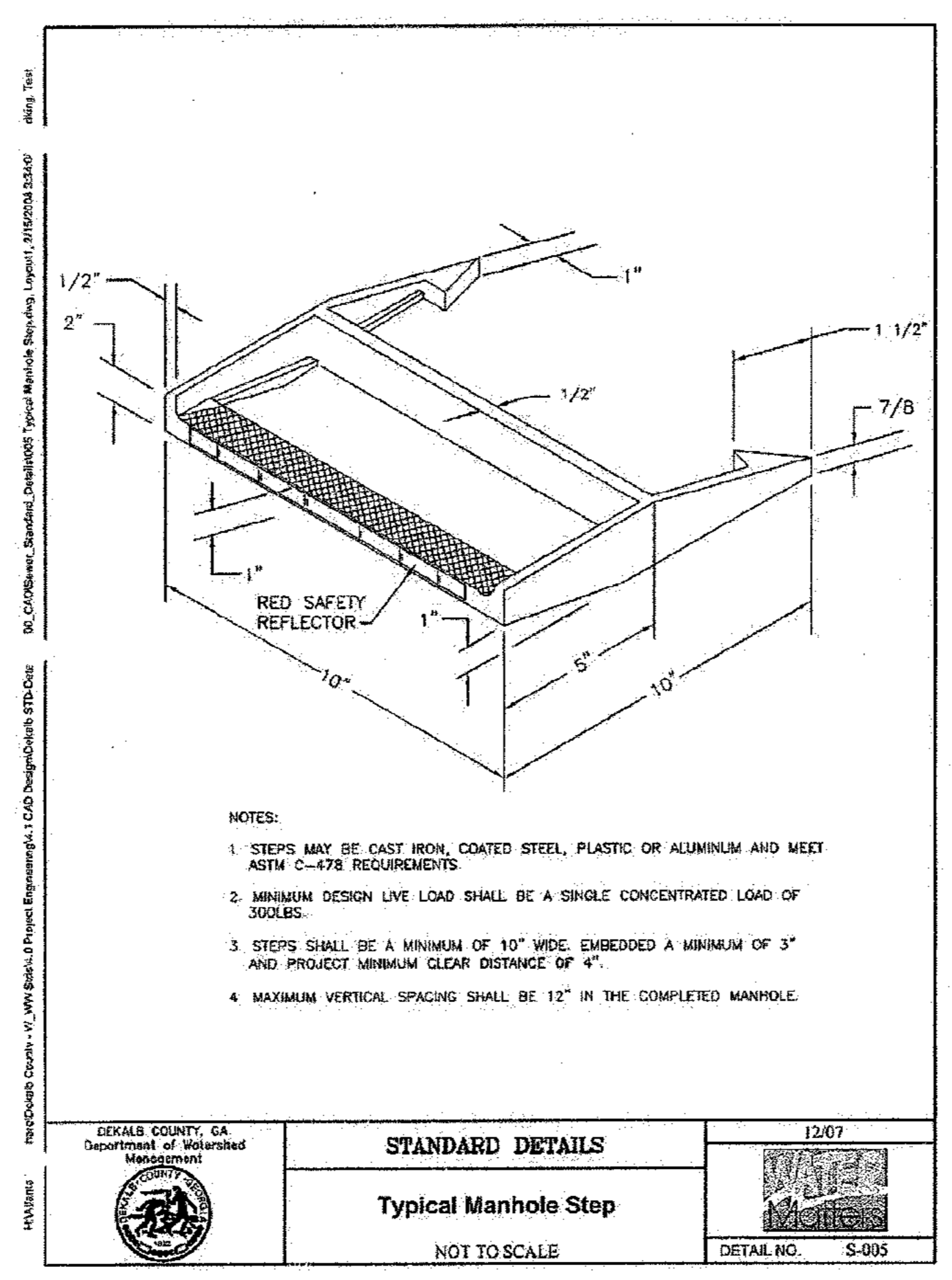
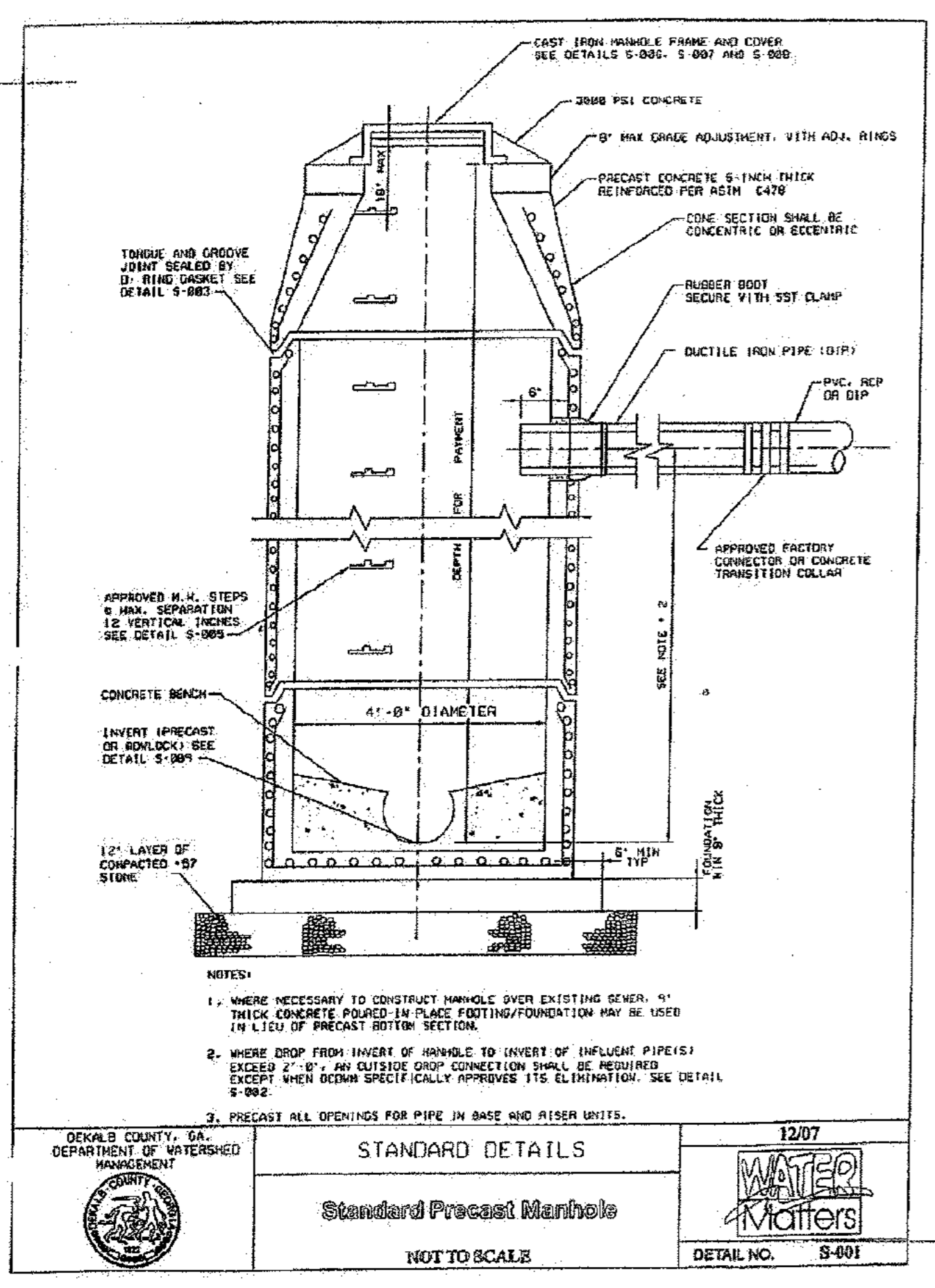
TITLE: **CONSTRUCTION DETAILS 8**

MARK KILBY  
PROFESSIONAL ENGINEER  
STATE OF GEORGIA

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-29 of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_28\_P2-DETAILS-SEWER.dwg SEWER DETAILS - 28 Apr 29, 2011 10:21am by: ban.sklidmore



REV. No.	DATE	DRAWN BY	CHECKED BY
4	04/28/11	BWS	JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
PHONE: (404) 419-8700 FAX: (404) 419-8701

CLIENT: **HADP ARCHITECTURE, INC.**  
2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CONSTRUCTION DETAILS - 9**

PROFESSIONAL SEAL: **MARK KILB**

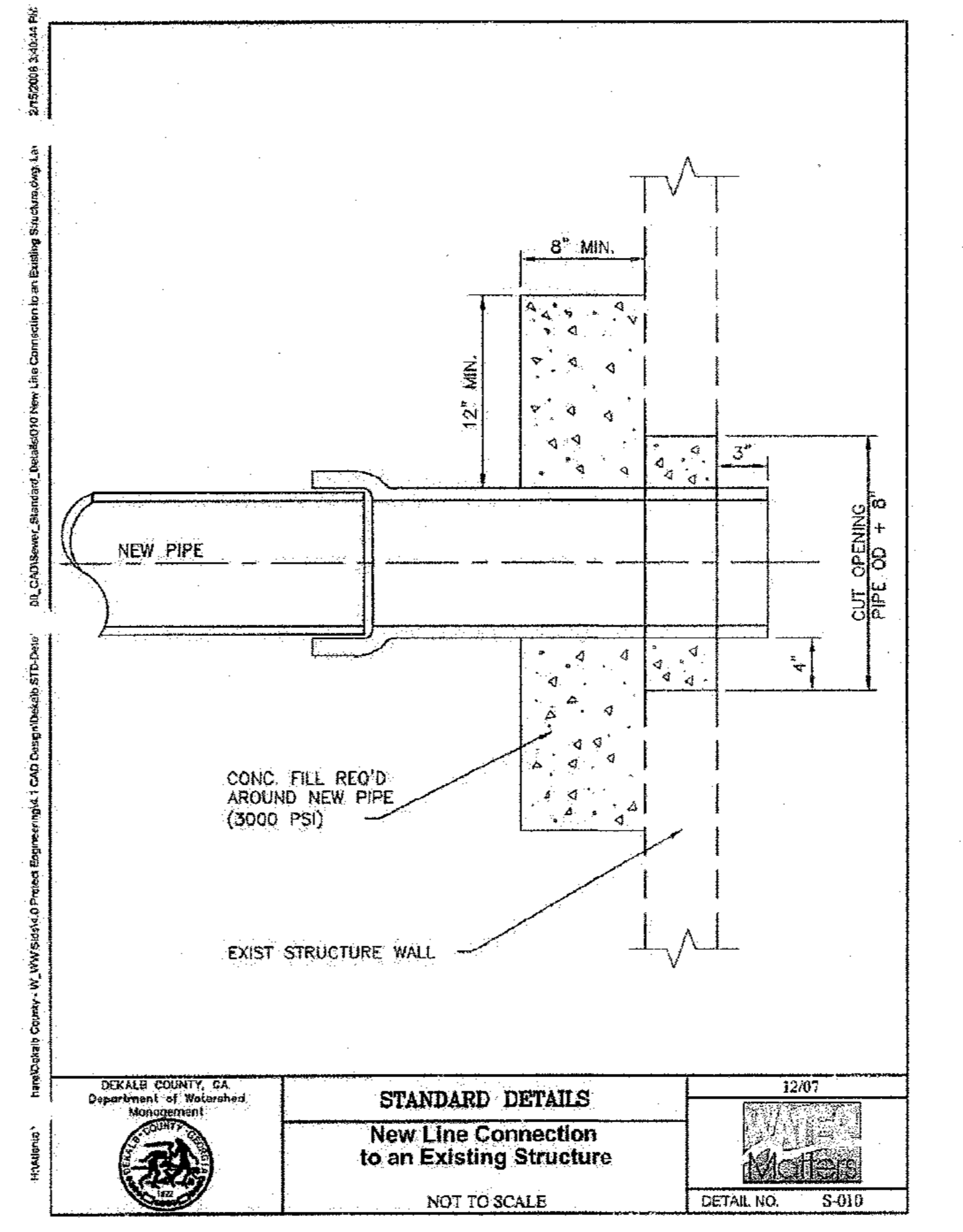
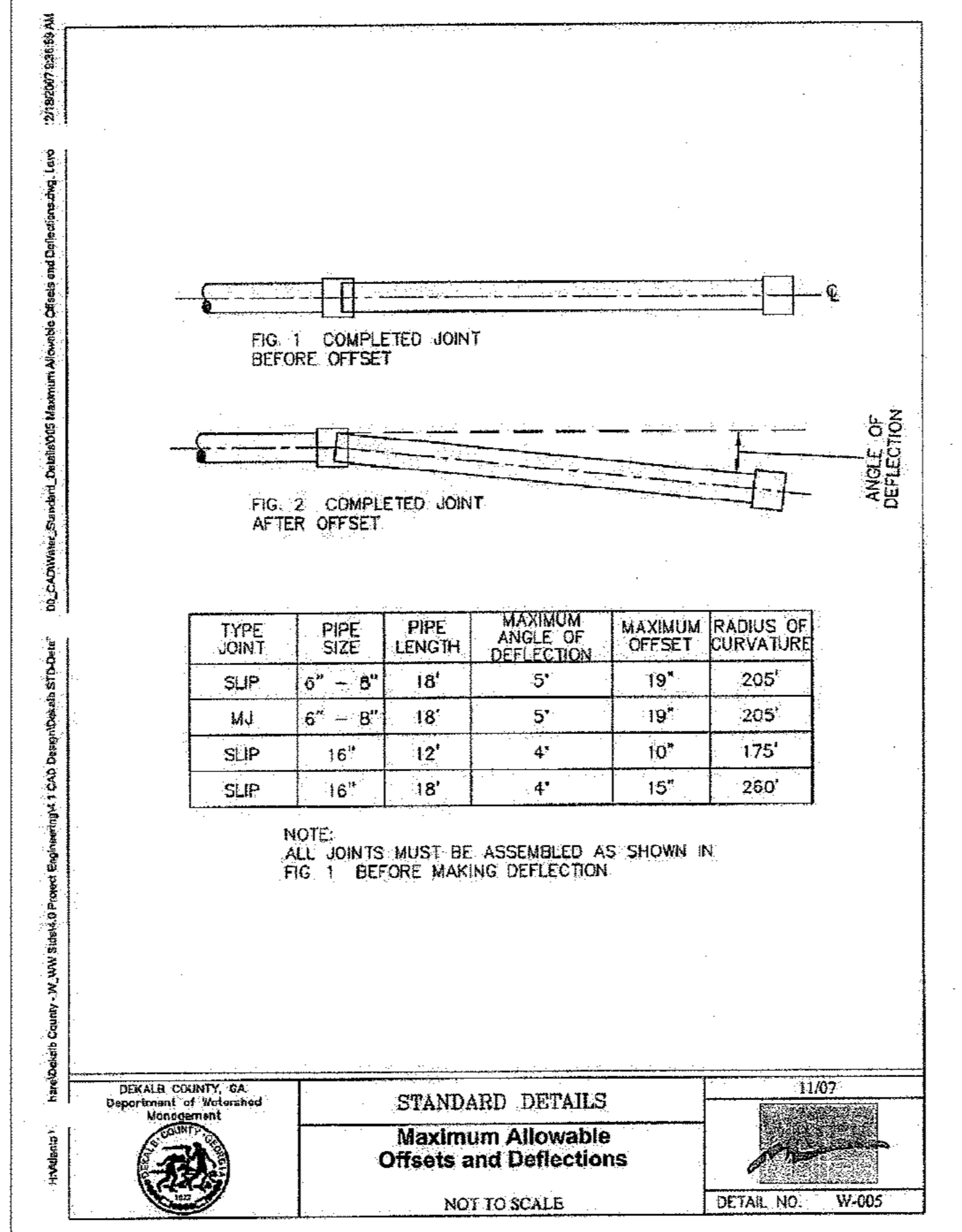
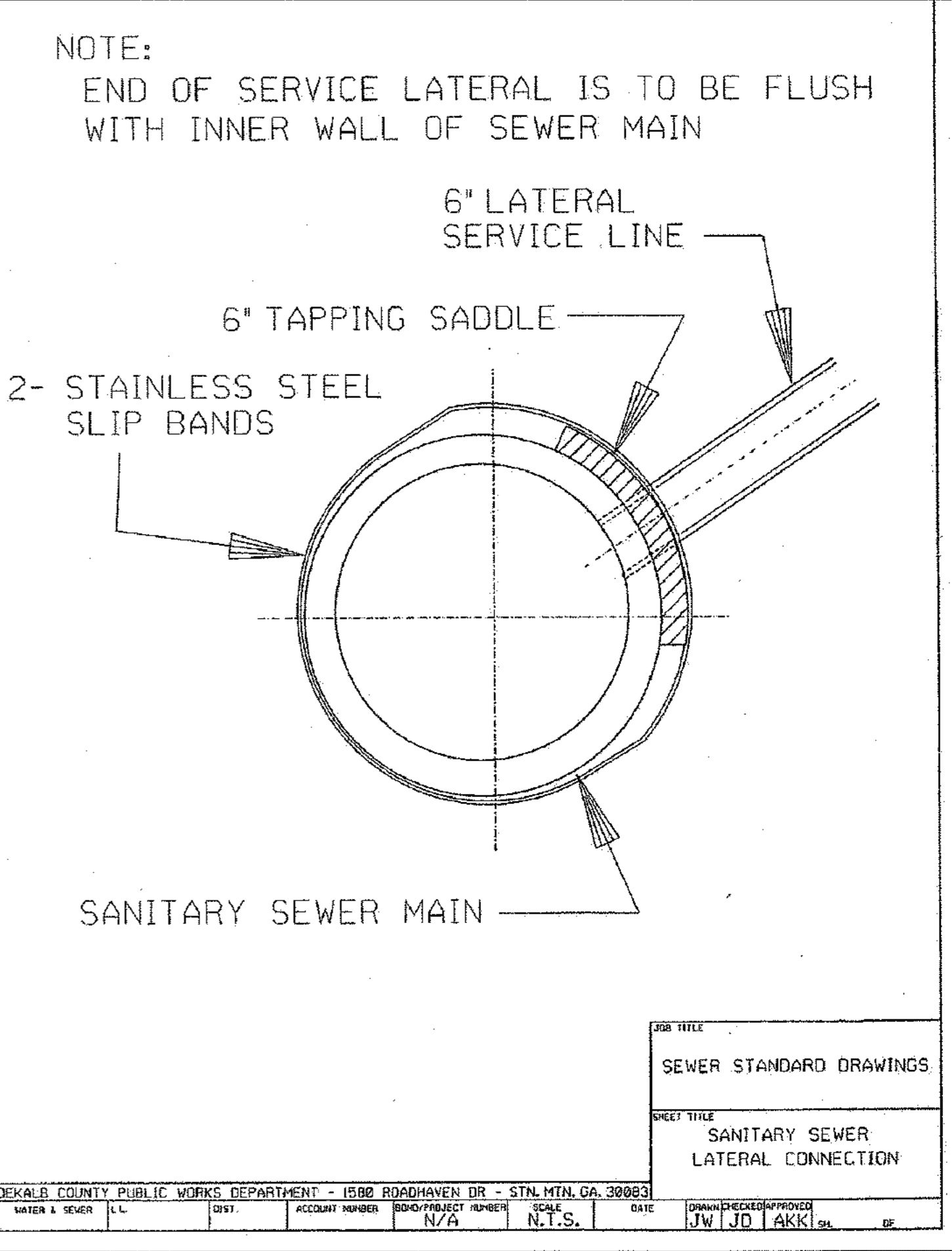
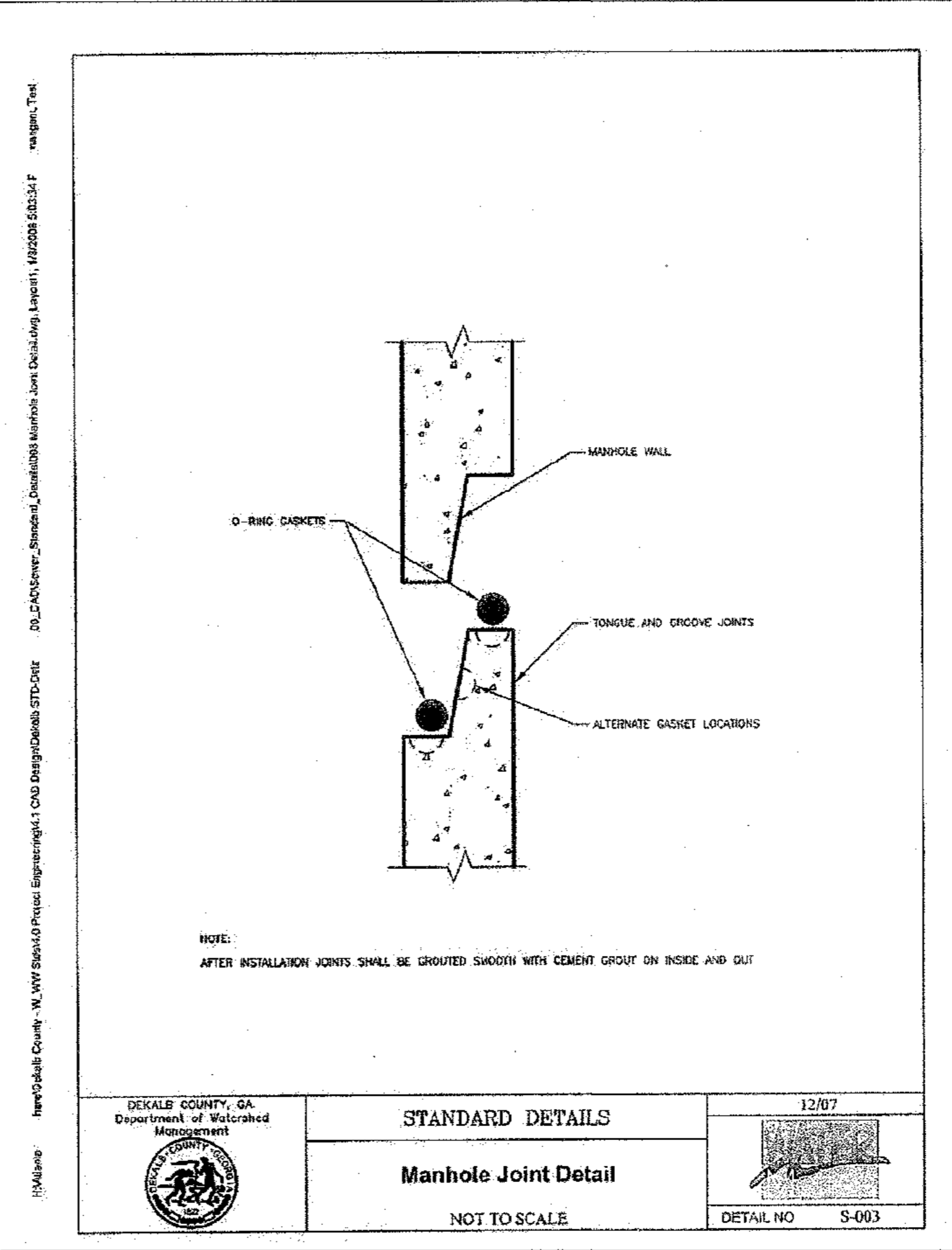
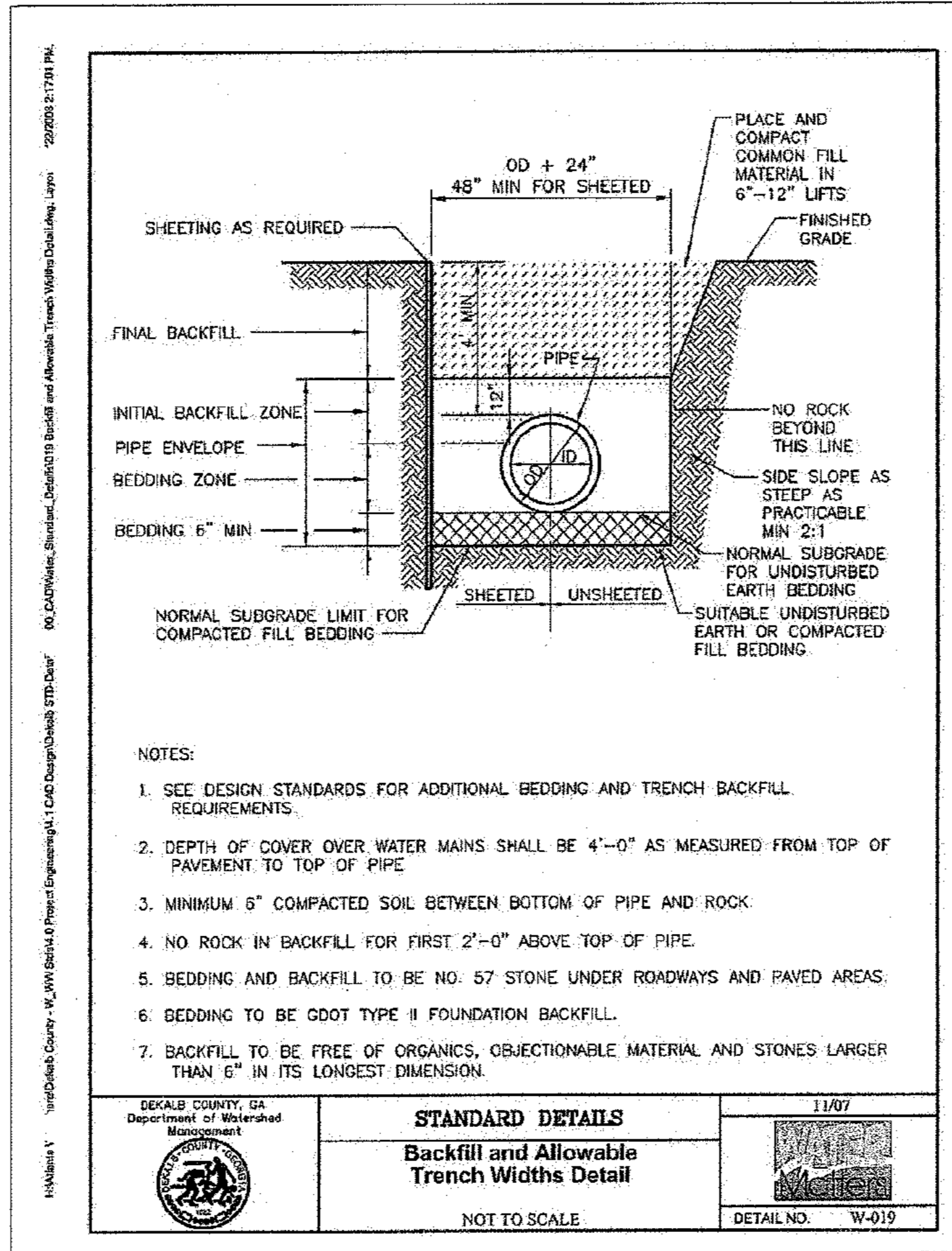
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VERTICAL SCALE: N/A  
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DESIGNED BY: JSW  
CHECKED BY: JMK

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
LAND LOT 245, 246 15TH DISTRICT  
CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11  
JOB NUMBER: 019636000  
SHEET NUMBER: C-30 of 35

Drawing name: K:\AMT\_CIVIL\019636000\_HADP Architecture - Allen Wilson Terrace\CADD\CONSTR\PHASE 2\019636000\_28\_P2-DETAILS-SEWER.dwg SEWER DETAILS - 29 Apr 29, 2011 10:21am by: ben.sklidmore

4



REV. NO.	DATE	DRAWN BY	CHECKED BY
4	04/28/11	BWS	JMK

PREPARED IN THE OFFICE OF:

**Kimley-Horn and Associates, Inc.**  
 817 WEST PEACHTREE ST, NW SUITE 601 - ATLANTA, GEORGIA 30308  
 PHONE: (404) 419-8700 FAX: (404) 419-8701

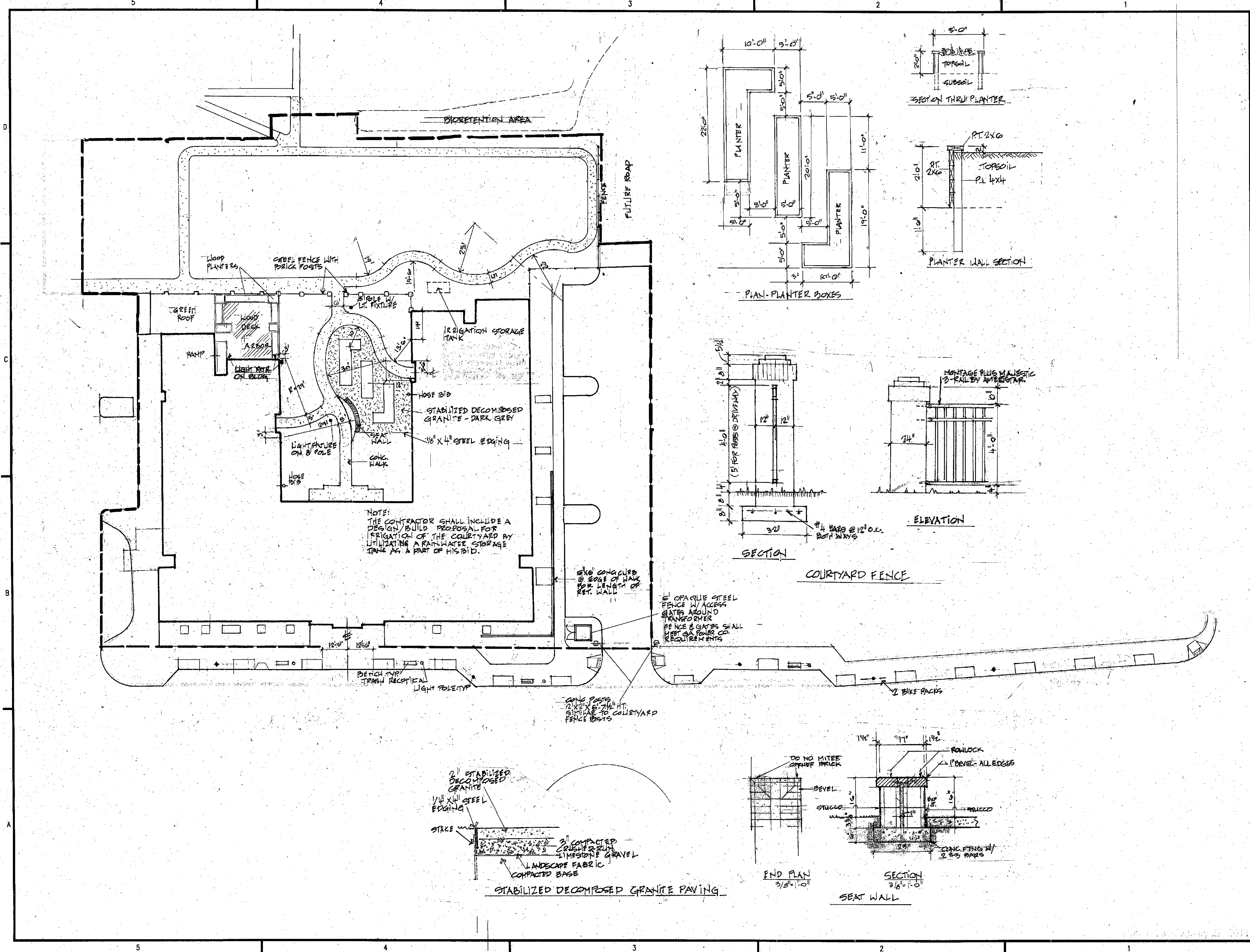
CLIENT: **HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT ROAD, NE ATLANTA, GA 30305

TITLE: **CONSTRUCTION DETAILS - 10**

MARK KILEY  
 15546 PROFESSIONAL ENGINEER  
 11-18-11

**OLIVER HOUSE AT ALLEN WILSON APARTMENTS**  
 LAND LOT 245, 246 15TH DISTRICT  
 CITY OF DECATUR - DEKALB COUNTY, GEORGIA

DATE: 01-27-11  
 JOB NUMBER: 019636000  
 SHEET NUMBER: C-31 of 35



**DECATUR HOUSING AUTHORITY**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.

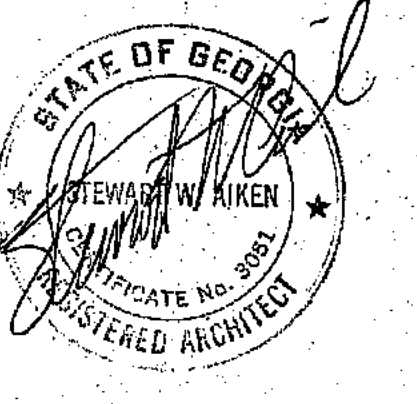
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4465 | F: 404.233.7396 | LIC. No. AA 0002442  
E: info@hadparch.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineering  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD. SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineering  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-8547 Fax: 770-448-0262  
Contact: VERN SMITH



KEY PLAN

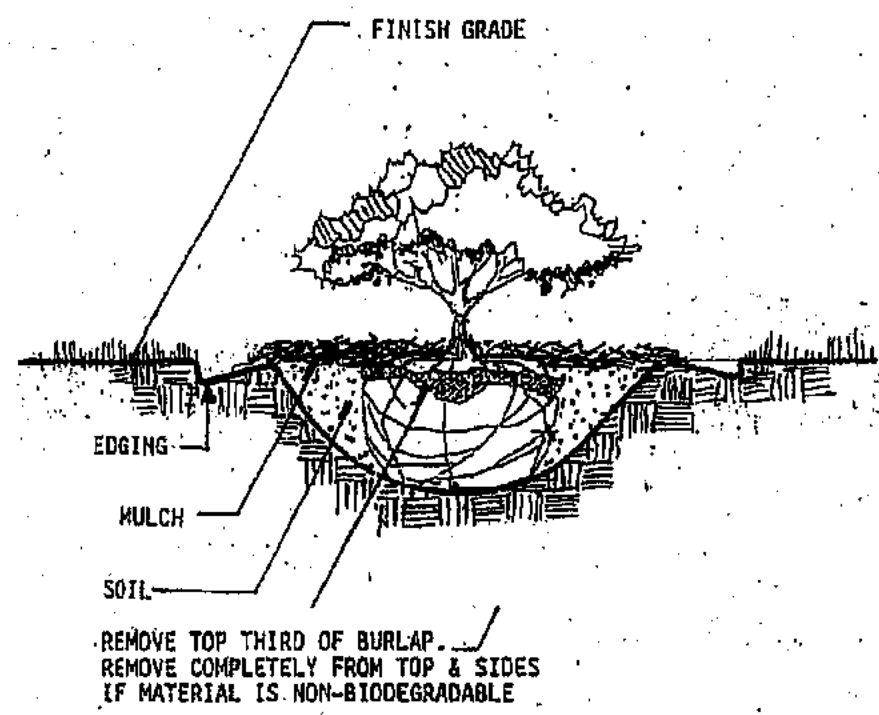
Revision	Description	Date

Project No. AH09132.00  
File Name  
Scale 1" = 20'-0" Date January 19, 2011  
Drawing Title  
**SITE PLAN**

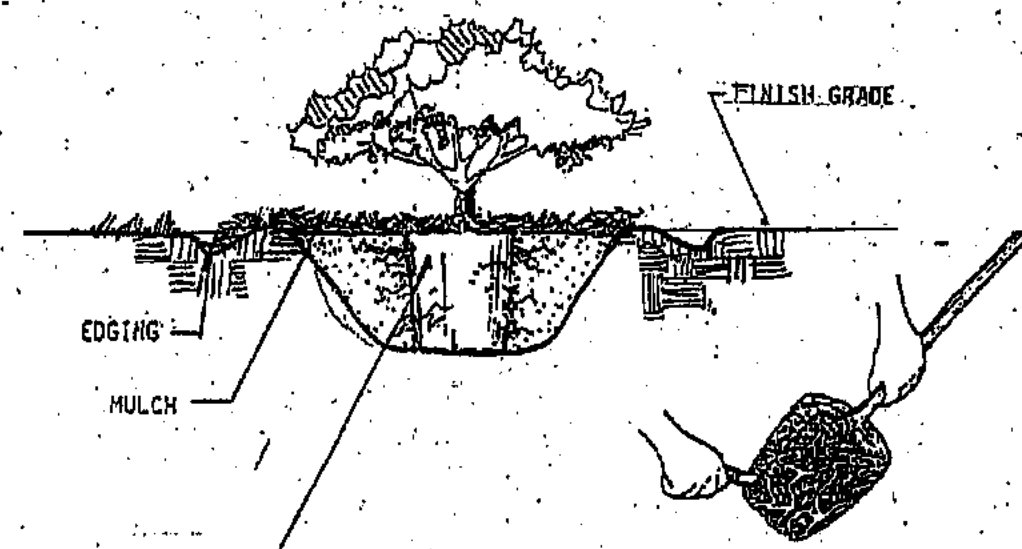
Sheet Number  
**AS-100**

Professional of Record: Stewart Allen  
Professional Registration No. AR 0002442  
Seal  
This drawing contains information to be used exclusively for the production of Contract Documents for this Project. The Contract Documents of record are only those in force, when or after produced by HADP Architecture, Inc. and they bear our professional seal and our signature.  
This drawing is not a Contract Document.  
This drawing was created by HADP Architecture, Inc. for HADP only. Due to the possibility that this drawing may be modified, substituted or otherwise used, the information contained herein should be used as a reference for which it was not originally intended. HADP Architecture, Inc. makes no warranty that this drawing is an accurate representation of the source files or its contents, or that it is suitable for any other purpose or use.

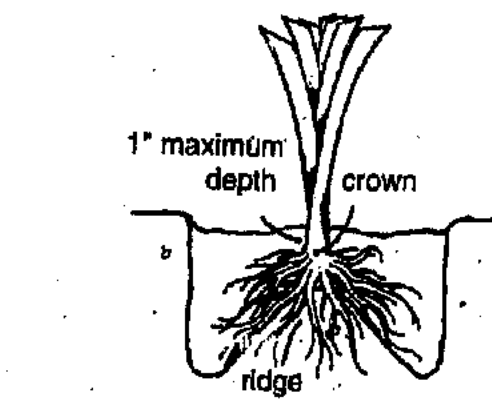




SHRUB PLANTING DETAIL

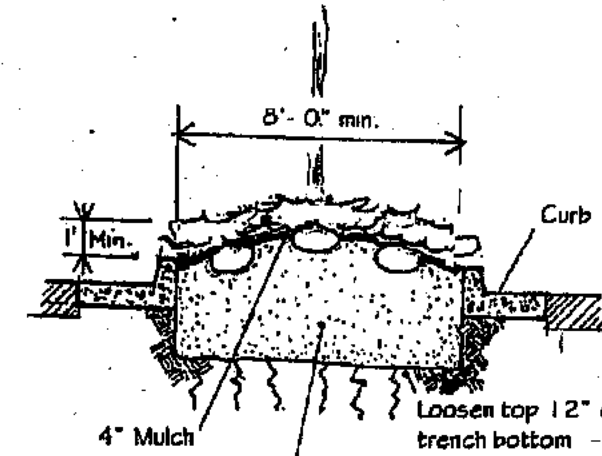


PLANTING OF CONTAINER-GROWN PLANTS



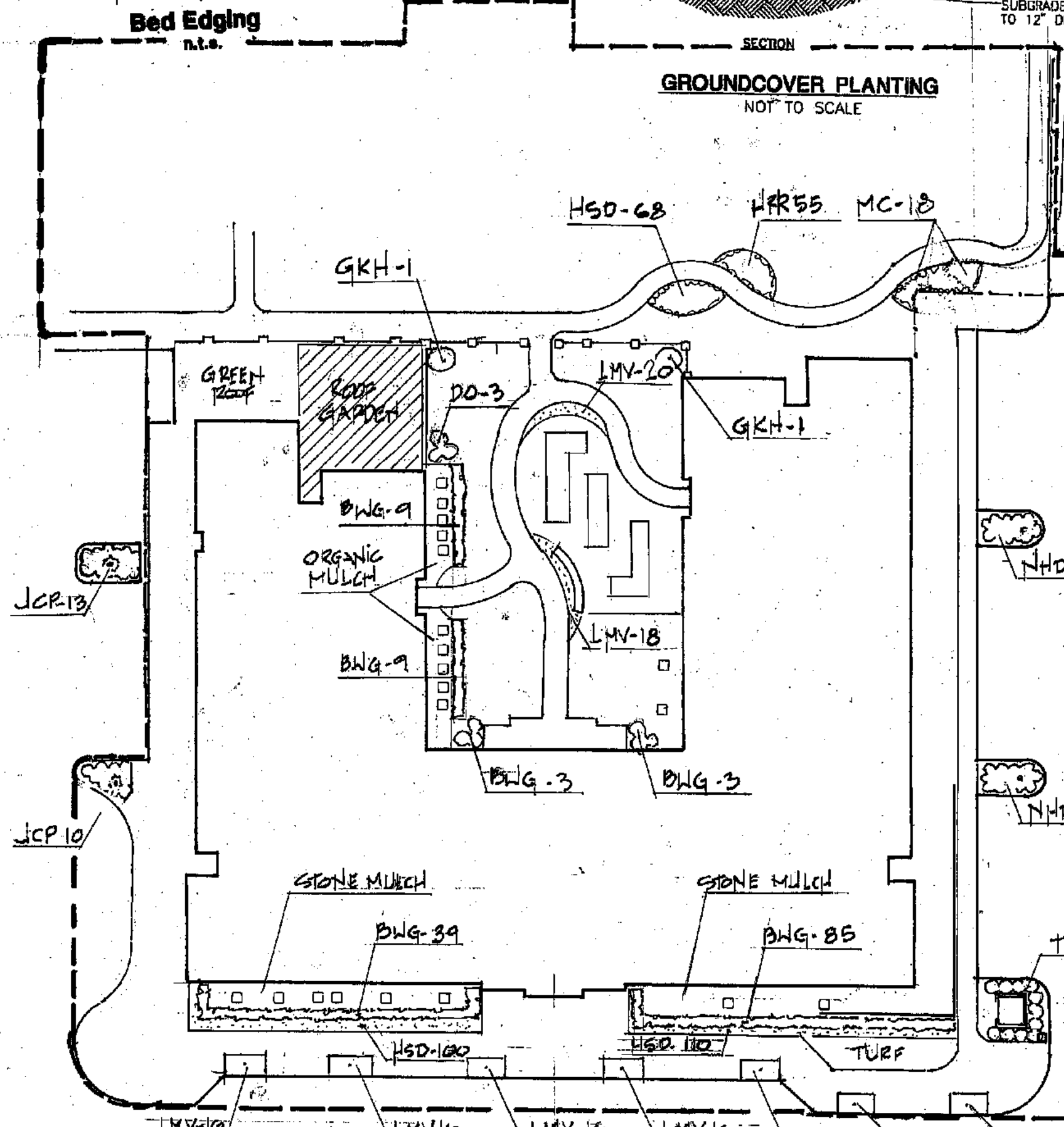
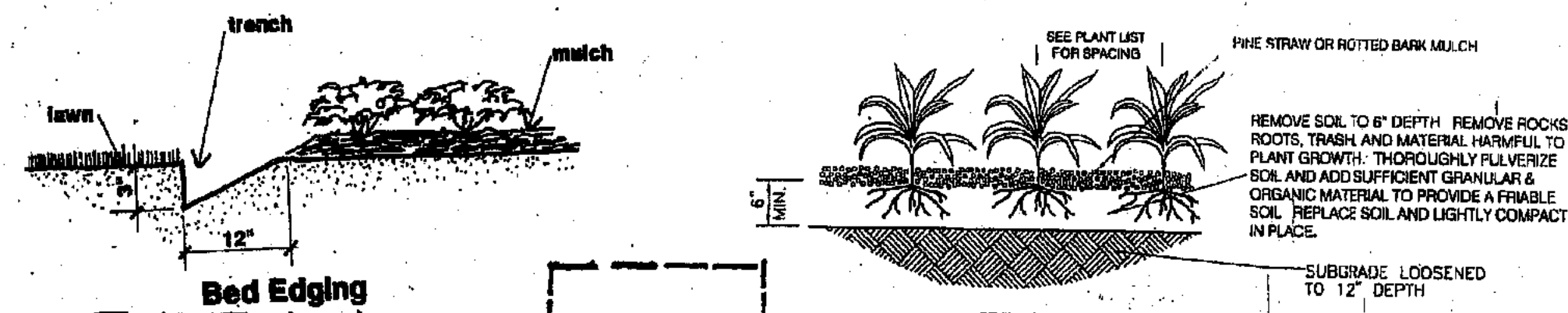
Dig each hole about 6 inches wider than the spread of the root mass, but leave a ridge in the center. Set the plant in place with the roots spread on each side of the ridge. Be sure the crown of the plant (the point where the roots and foliage meet) is set no deeper than 1 inch between the soil surface. Gently firm the soil around the roots and water in thoroughly.

Planting Daylilies



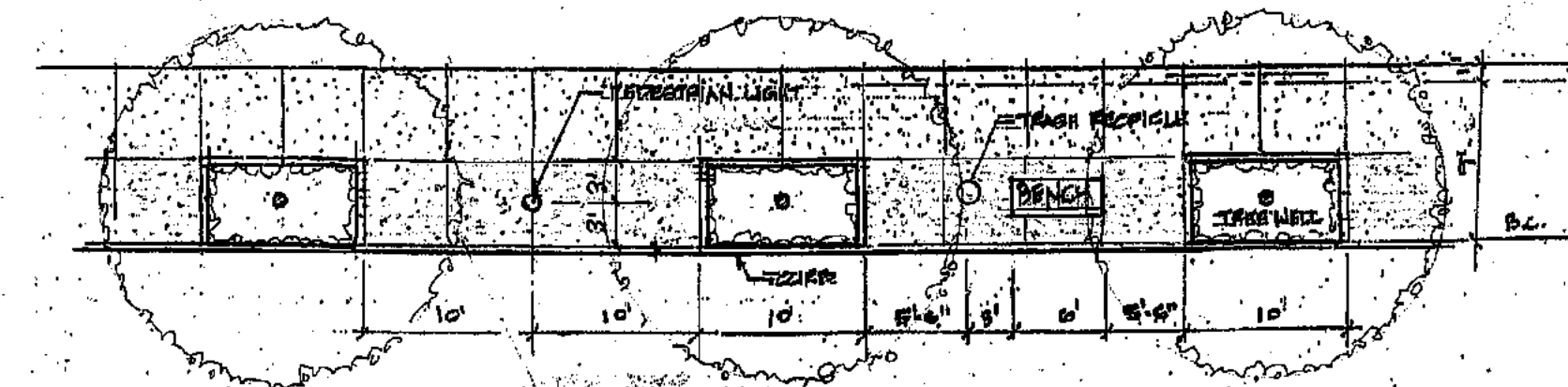
Remove soil to a depth of 2 1/2'. Replace with loamy topsoil. The native soil may be used if amended as follows. Remove rocks, roots, trash, etc. and thoroughly pulverize the soil. If the pulverized soil is not suitable for plant growth (i.e. is not friable), add sufficient loamy topsoil to make the soil acceptable. Do not add fertilizer or other amendments.

PARKING LOT ISLANDS & PENINSULAS n.s.a.

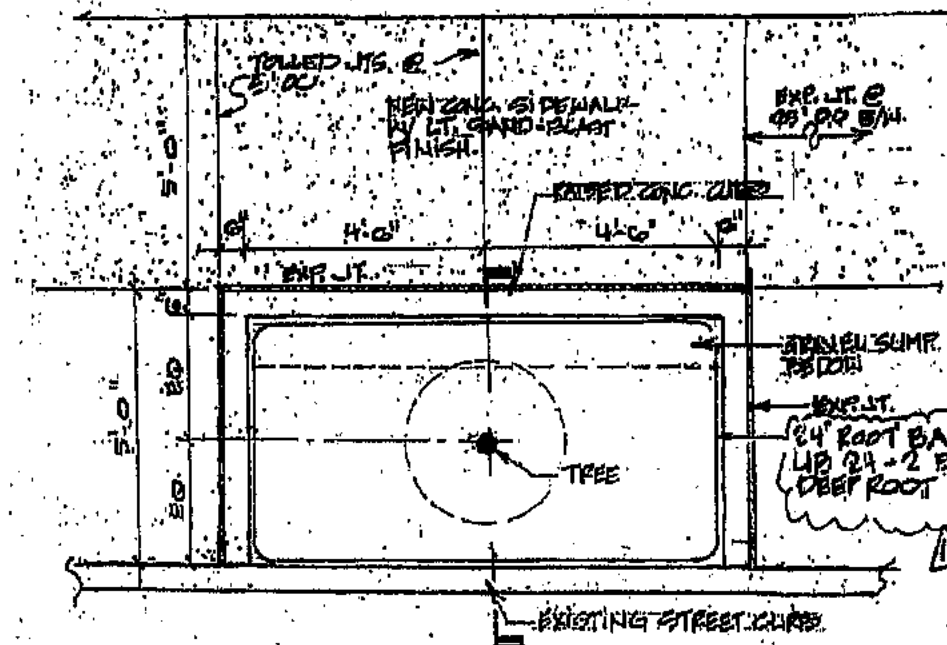


SHRUB PLANTING PLAN  
SEE TREE REPLACEMENT PLAN FOR TREES  
1"=30'-0"

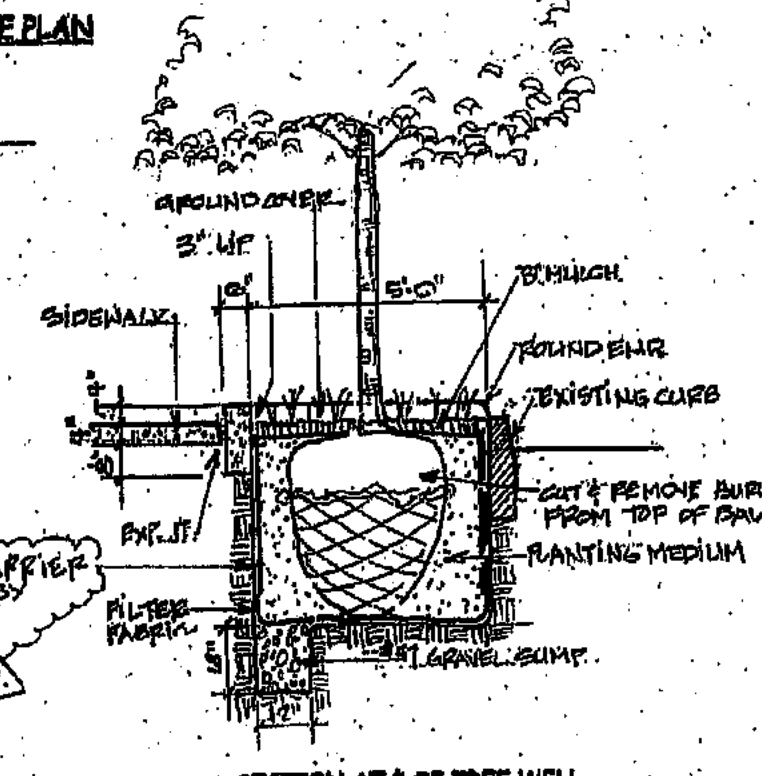
Key	Botanical Name	Common Name	Spacing	Specification
BWG	Buxus microphylla japonica "Wintergreen"	Wintergreen Japanese Boxwood	2'	3 gal. / 16"-18" ht.
DO	Daphne odora	Winter Daphne	2'	3 gal. / 10" X 10"
GKH	Gardenia augusta "Klein's Hardy"	Klein's Hardy Gardenia	3'	7 gal. / 2'-2 1/2' ht
HRR	Hemerocallis x "Rosy Returns"	Rosy Returns Daylily	1 1/2'	#SP4 pot or 1 fan division, blooming size
HSD	Hemerocallis x "Stella De Oro"	Stella De Oro Daylily	1 1/2'	#SP4 pot or 1 fan division, blooming size
JCP	Juniperus chinensis "Parsoni"	Parson's Juniper	3'	3 gal. / five 12" branches min.
LMV	Liriope muscari variegata	Variiegated Lilyturf	1 1/2'	#SP4 pot or 3-5 bib BR clump
MC	Muhlenbergia capillaries	Pink Muhly Grass	2 1/2'	3 gal. / roots to edge of container
NHD	Nandina domestica "Harbour Dwarf"	Harbor Dwarf Nandina	2'	1 gal. / 12" ht.
TG	Ternstroemia gymnantheria	Cleyera	3'	3 gal. / 2'-2 1/2' ht



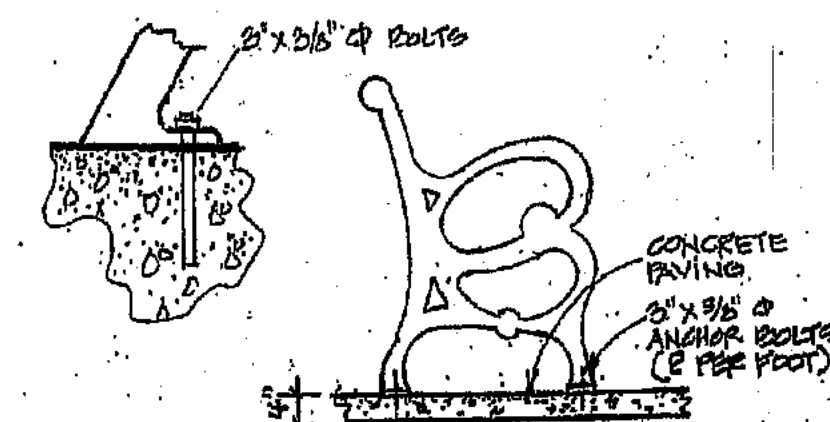
TYPICAL STREETSCAPE PLAN  
1/8" = 1'-0"



SIDEWALK & TREE WELL PLAN

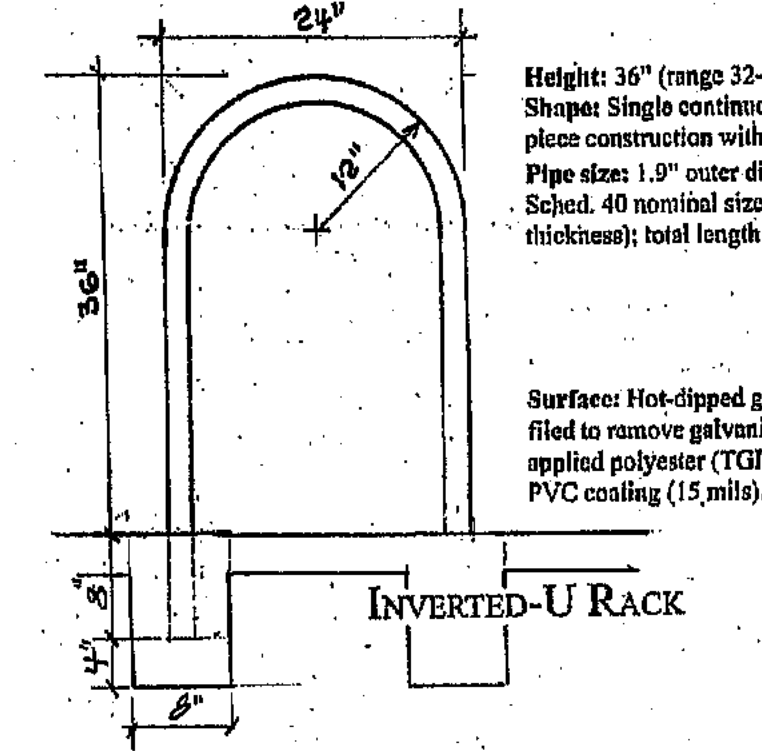


SECTION AT & OF TREE WELL



Bench shall be Metal C-10, 6' length, mahogany. Standard black finish by Victor Stanley, Inc. Durh'm, MD-20784

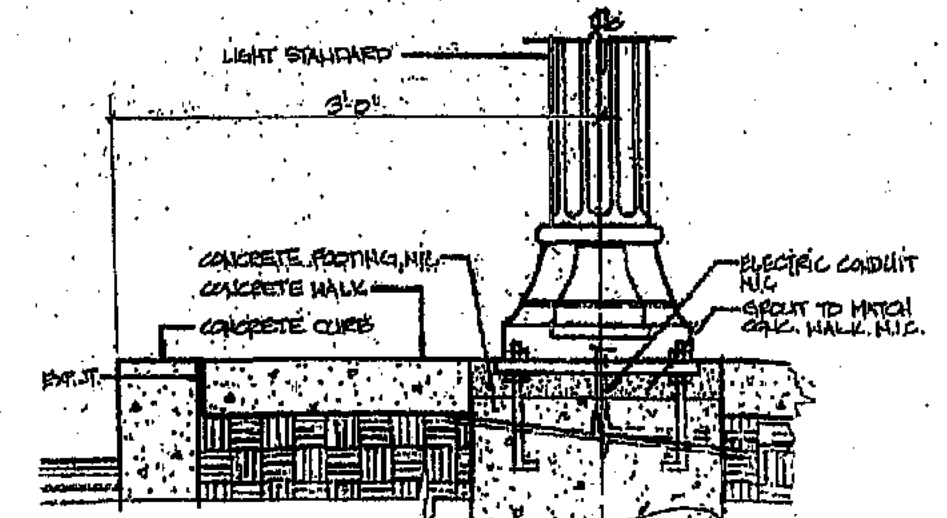
SIDEWALK BENCH  
n.s.a.



Height: 36" (range 32-36"); Width: 24" (range 18-24"); Shape: Single continuous bend (internal radius 10"); one-piece construction with straight parallel legs. Pipe size: 1.9" outer diam., 1.5" inner diam., (ASTM A53, Sched. 40 nominal size 1 1/2" steel pipe, 0.145" wall thickness); total length of about 86"

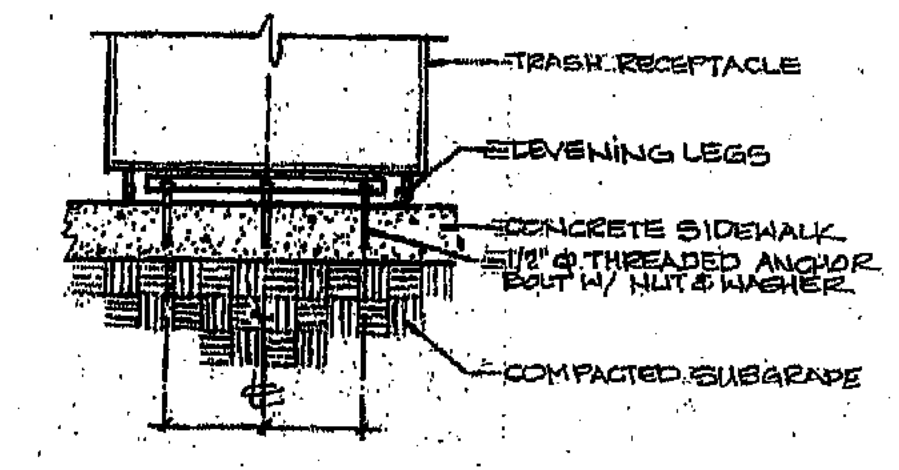
Surface: Hot-dipped galvanized after fabrication; hand-finished to remove galvanizing flux. Coatings: Electrostatically applied polyester (TGIC) powder coat paint (6-8 mils), or PVC coating (15 mils).

INVERTED-U RACK




Pedestrian Lights and associated footings shall be provided by Georgia Power. The Contractor shall be responsible for coordinating the sequencing of the work with Georgia Power. The City's standard is the "Victorian" pole with "Acorn" fixture manufactured by Amaron.


PEDESTRIAN LIGHT  
n.s.a.



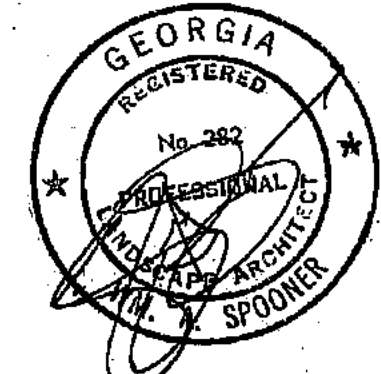
Trash receptacle shall be City of Decatur Std. - Victor Stanley, Inc Model #SD-42

TRASH RECEPTACLE  
n.s.a.

  
**DECATUR HOUSING AUTHORITY**  
 750 Commerce Drive  
 Decatur, Georgia 30030  
 ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

  
**HADP ARCHITECTURE, INC.**  
 2722 Piedmont Rd NE | Atlanta, Georgia 30305  
 T: 404.233.4466 | F: 404.233.7395 | Lic. No. AA 0002442  
 E: info@hadp.com | www.hadparchitecture.com  
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 Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 3169 HOLCOMB BRIDGE RD, Suite 500.  
 NORCROSS GA 30071  
 878-533-3035  
 Contact: JEFF WILKERSON  
 Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6260 SHILON RD, SUIT 201  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN  
 Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 5365 OAKBROOK PARKWAY  
 NORCROSS GA 30093  
 770-447-8947  
 Contact: VERN SMITH

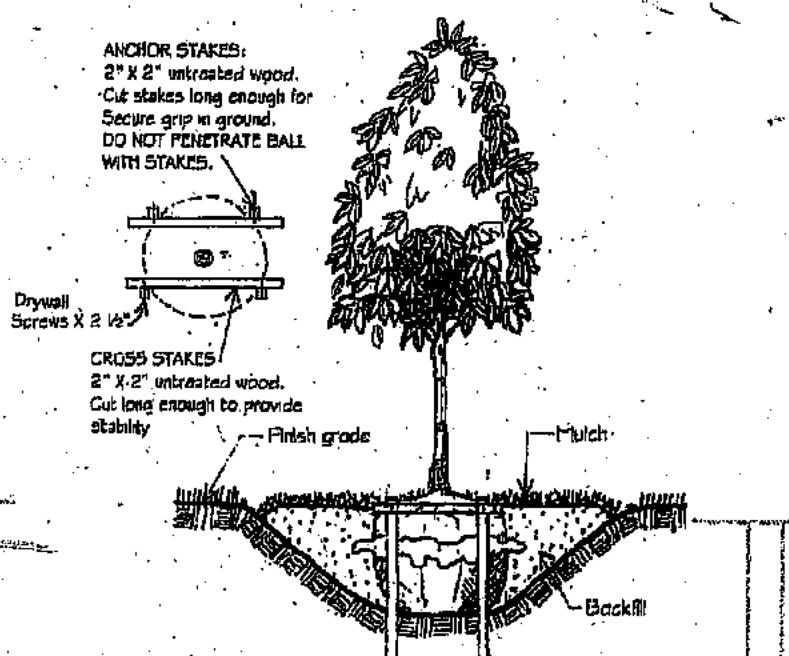
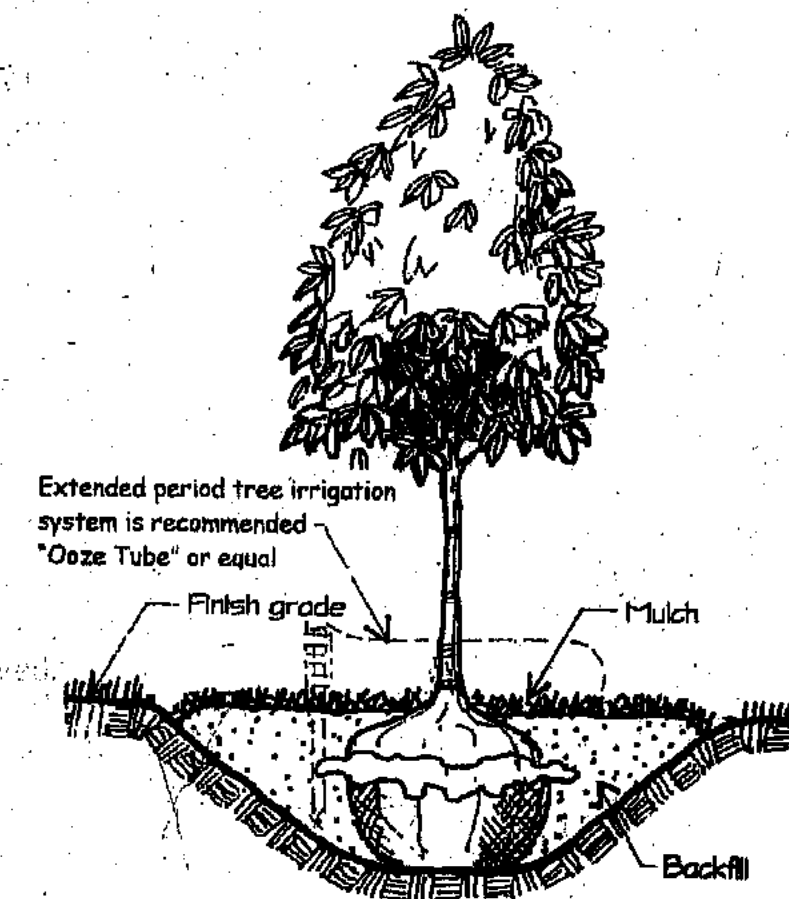
KEY PLAN  
 ADDITIONAL SHRUBS 3/2/11  
 PHASE II BOUNDARY 6/6/11  
 Revision Description Date  
 Project No. 3005010.00  
 File Name  
 Scale 1" = 20'-0" Date 10 MAR 2011  
 Drawing Title  
**PLANTING & SITE DETAILS**  
 Sheet Number  
**L-100**  
 Professional of Record: Stewart Alton  
 Professional Registration No. AR 0002442  
 Seal:



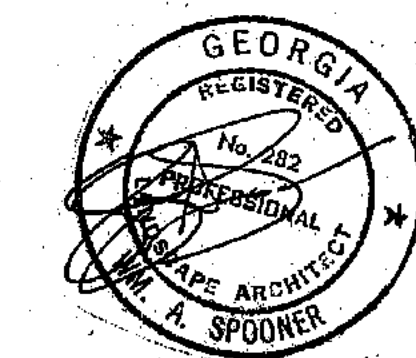
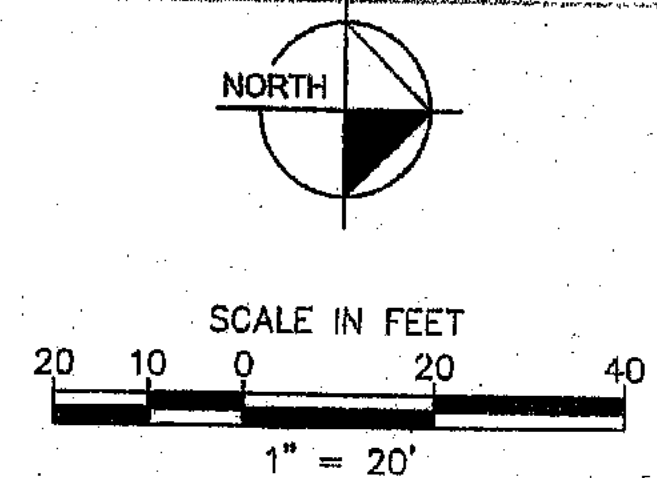
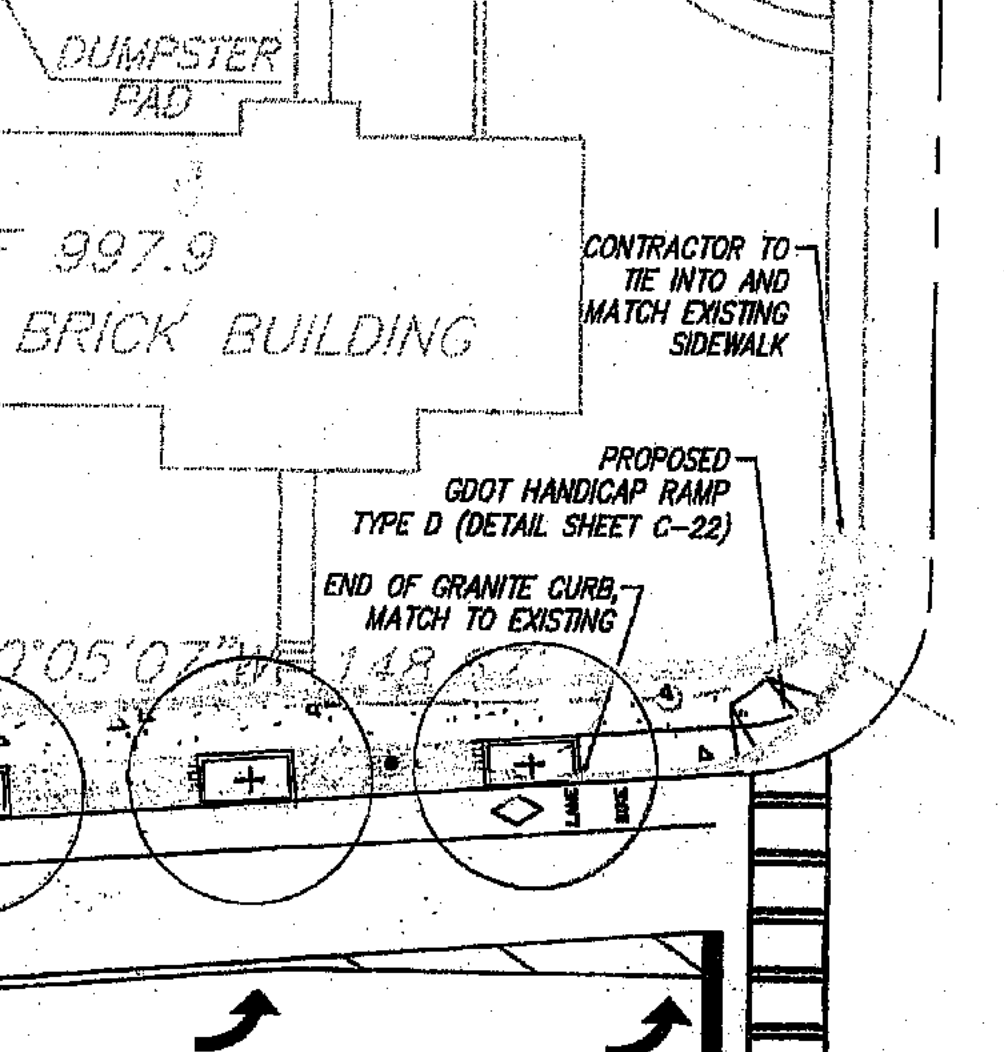
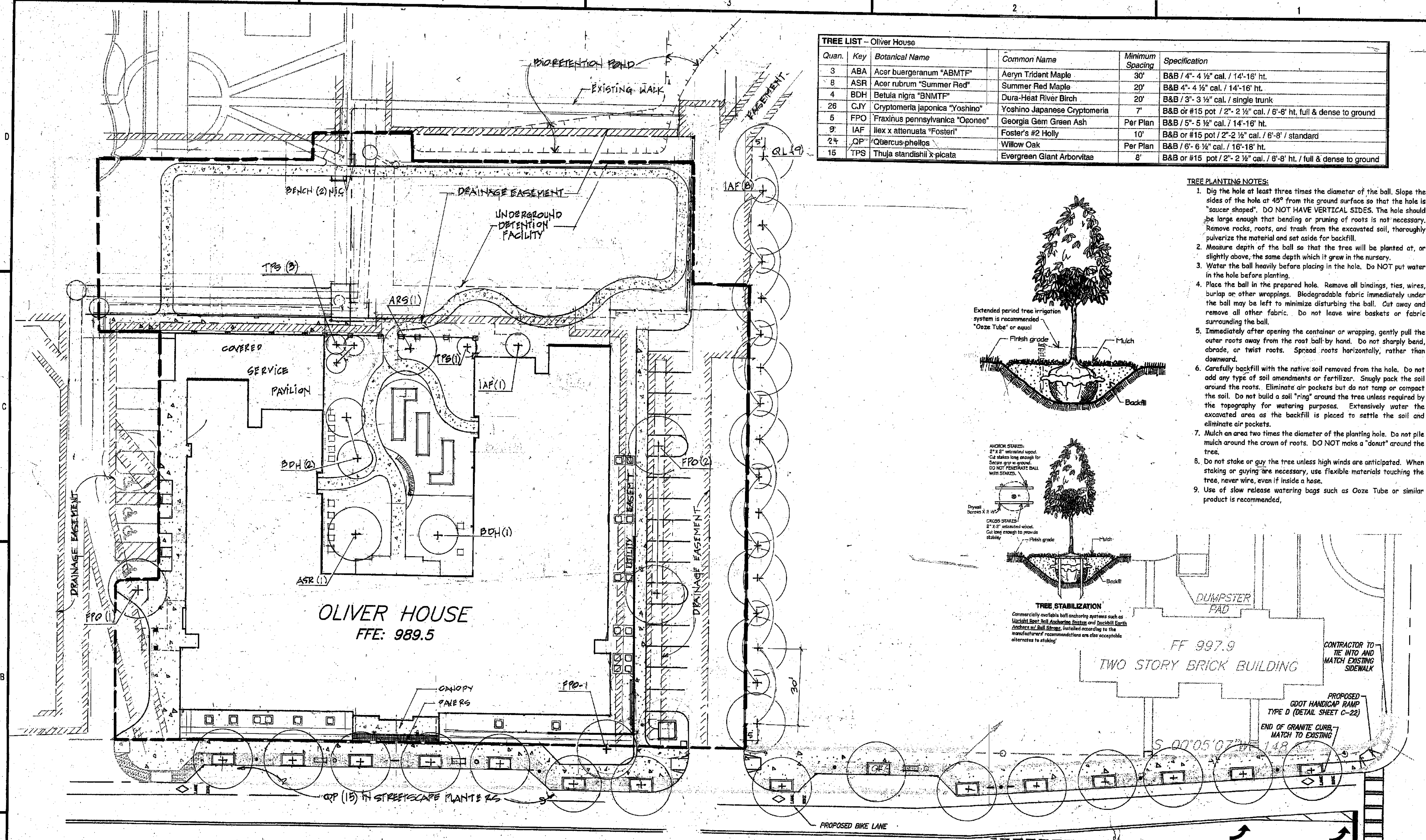
TREE LIST - Oliver House					
Quan.	Key	Botanical Name	Common Name	Minimum Spacing	Specification
3	ABA	Acer buergeranum "ABMTF"	Aeryn Trident Maple	30'	B&B / 4" - 4 1/2" cal. / 14'-16' ht.
8	ASR	Acer rubrum "Summer Red"	Summer Red Maple	20'	B&B / 4" - 4 1/2" cal. / 14'-16' ht.
4	BDH	Betula nigra "BNMTF"	Dura-Heat River Birch	20'	B&B / 3" - 3 1/2" cal. / single trunk
26	CJY	Cryptomeria japonica "Yoshino"	Yoshino Japanese Cryptomeria	7'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' ht, full & dense to ground
5	FPO	Fraxinus pennsylvanica "Oponee"	Georgia Gam Green Ash	Per Plan	B&B / 5" - 5 1/2" cal. / 14'-18' ht.
9	IAF	Ilex x attenuata "Foster"	Foster's #2 Holly	10'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' / standard
24	QP	Quercus phellos	Willow Oak	Per Plan	B&B / 6" - 6 1/2" cal. / 16'-18' ht.
15	TPS	Thuja standishii x picata	Evergreen Giant Arborvitae	8'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' ht. / full & dense to ground

**TREE PLANTING NOTES:**

1. Dig the hole at least three times the diameter of the ball. Slope the sides of the hole at 45° from the ground surface so that the hole is "saucer shaped". DO NOT HAVE VERTICAL SIDES. The hole should be large enough that bending or pruning of roots is not necessary. Remove rocks, roots, and trash from the excavated soil, thoroughly pulverize the material and set aside for backfill.
2. Measure depth of the ball so that the tree will be planted at, or slightly above, the same depth which it grew in the nursery.
3. Water the ball heavily before placing in the hole. Do NOT put water in the hole before planting.
4. Place the ball in the prepared hole. Remove all bindings, ties, wires, burlap or other wrappings. Biodegradable fabric immediately under the ball may be left to minimize disturbing the ball. Cut away and remove all other fabric. Do not leave wire baskets or fabric surrounding the ball.
5. Immediately after opening the container or wrapping, gently pull the outer roots away from the root ball by hand. Do not sharply bend, abrade, or twist roots. Spread roots horizontally, rather than downward.
6. Carefully backfill with the native soil removed from the hole. Do not add any type of soil amendments or fertilizer. Snugly pack the soil around the roots. Eliminate air pockets but do not tamp or compact the soil. Do not build a soil "ring" around the tree unless required by the topography for watering purposes. Extensively water the excavated area so the backfill is placed to settle the soil and eliminate air pockets.
7. Mulch an area two times the diameter of the planting hole. Do not pile mulch around the crown of roots. DO NOT make a "donut" around the tree.
8. Do not stake or guy the tree unless high winds are anticipated. When staking or guying are necessary, use flexible materials touching the tree, never wire, even if inside a hose.
9. Use of slow release watering bags such as Ooze Tube or similar product is recommended.



**TREE STABILIZATION**  
 Commercially available ball anchoring systems such as Hardscap Ball Anchoring Straps and Backfill Earth Anchors w/ Ball Straps, installed according to the manufacturer's recommendations are also acceptable alternatives to staking.



**DECATUR HOUSING AUTHORITY**  
 750 Commerce Drive  
 Decatur, Georgia 30030  
 ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT BLVD | ATLANTA | GEORGIA 30305  
 T: 404.233.4486 | F: 404.233.7598 | LIC. No. AR 0002442  
 E: info@hadp.com | www.hadp.com

**Civil Engineer**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 3169 HOLCOMB BRIDGE RD, Suite 600  
 NORCROSS GA 30071  
 678-533-9300  
 Contact: JEFF WILKERSON

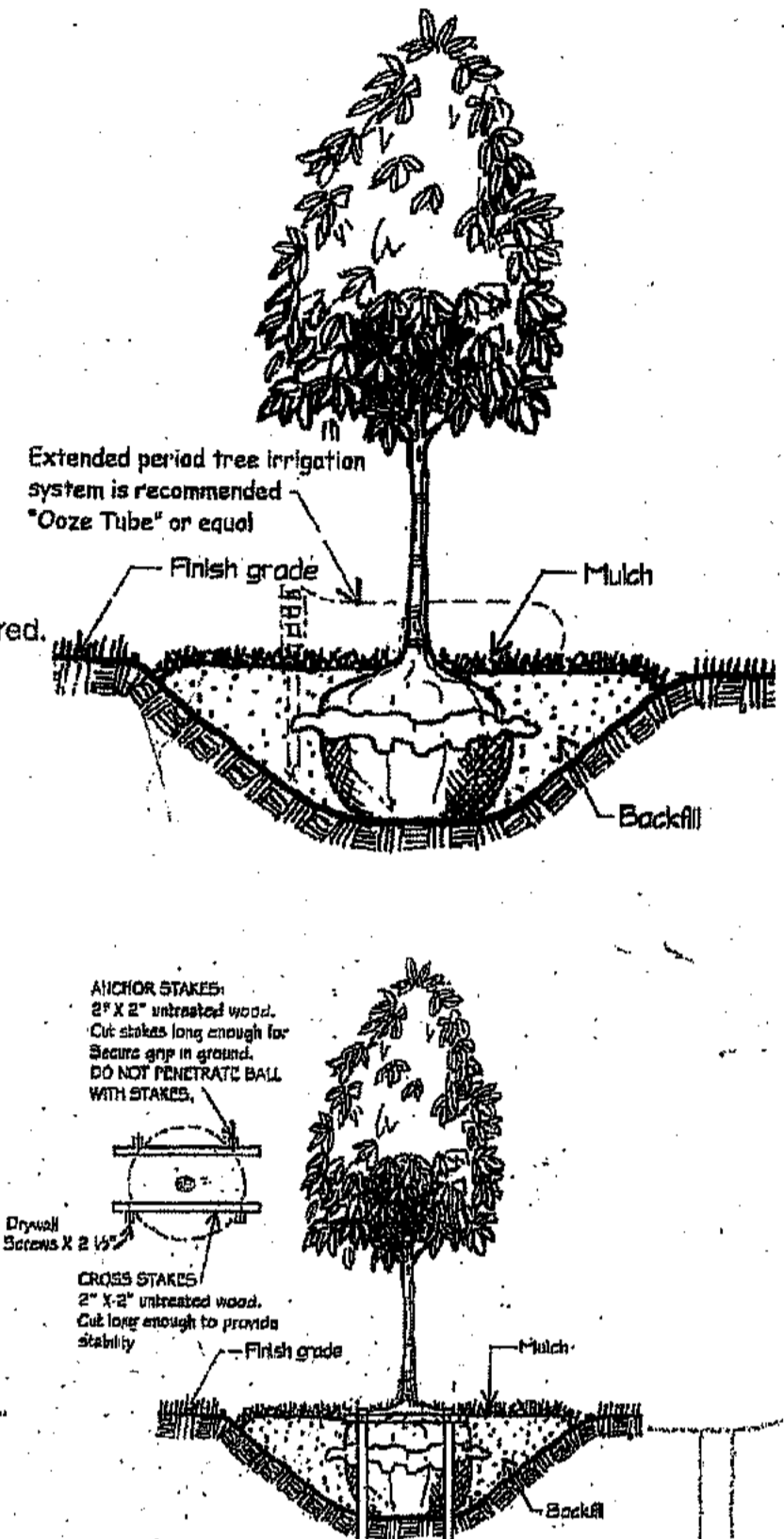
**Structural Engineer**  
**STRUCTURAL CONSULTING GROUP**  
 8250 SHILON RD, SUIT 201  
 ALPHARETTA, GA 30005  
 Ph: 678-613-4242  
 Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
 5385 OAKBROOK PARKWAY  
 NORCROSS GA 30093  
 770-447-5547  
 Contact: VERN SMITH

KEY PLAN		
DRAINAGE UTILITY EIGHTS	3/2/11	
PHASE II BOUNDARY	6/6/11	
Revision	Description	Date
Project No.	3005010.00	
File Name		
Scale	1" = 20'-0"	Date 18 MAR 2011
Drawing Title	TREE PLANTING PLAN	
Sheet Number	L-10	
Professional of Record	Stewart Allen	
Professional Registration No.	AR 0002442	
Seal		

Quan.	Key	Botanical Name	Common Name	Minimum Spacing	Specification
3	ABA	Acer buergerianum "ABMTF"	Aeryn Trident Maple	30'	B&B / 4" - 4 1/2" cal. / 14'-18" ht.
8	ASR	Acer rubrum "Summer Red"	Summer Red Maple	20'	B&B / 4" - 4 1/2" cal. / 14'-18" ht.
4	BDH	Betula nigra "BNMTF"	Dura-Heat River Birch	20'	B&B / 3" - 3 1/2" cal. / single trunk
26	CJY	Cryptomeria japonica "Yoshino"	Yoshino Japanese Cryptomeria	7'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' ht. full & dense to ground
5	FPO	Fraxinus pennsylvanica "Oconee"	Georgia Gem Green Ash	Per Plan	B&B / 5" - 5 1/2" cal. / 14'-18" ht.
12	IAF	Ilex x attenuata "Fosteri"	Foster's #2 Holly	10'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' / standard
15	QP	Quercus phellos	Willow Oak	Per Plan	B&B / 6" - 6 1/2" cal. / 18'-18" ht.
15	TPS	Thuja standishii x picata	Evergreen Giant Arborvitae	8'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' ht. / full & dense to ground

- TREE PLANTING NOTES:**
1. Dig the hole at least three times the diameter of the ball. Slope the sides of the hole at 45° from the ground surface so that the hole is "saucer shaped". DO NOT HAVE VERTICAL SIDES. The hole should be large enough that bending or pruning of roots is not necessary. Remove rocks, roots, and trash from the excavated soil, thoroughly pulverize the material and set aside for backfill.
  2. Measure depth of the ball so that the tree will be planted at, or slightly above, the same depth which it grew in the nursery.
  3. Water the ball heavily before placing in the hole. Do NOT put water in the hole before planting.
  4. Place the ball in the prepared hole. Remove all bindings, ties, wires, burp or other wrappings. Biodegradable fabric immediately under the ball may be left to minimize disturbing the ball. Cut away and remove all other fabric. Do not leave wire baskets or fabric surrounding the ball.
  5. Immediately after opening the container or wrapping, gently pull the outer roots away from the root ball by hand. Do not sharply bend, abrade, or twist roots. Spread roots horizontally, rather than downward.
  6. Carefully backfill with the native soil removed from the hole. Do not add any type of soil amendments or fertilizer. Snugly pack the soil around the roots. Eliminate air pockets but do not tamp or compact the soil. Do not build a soil "ring" around the tree unless required by the topography for watering purposes. Extensively water the excavated area as the backfill is placed to settle the soil and eliminate air pockets.
  7. Mulch an area two times the diameter of the planting hole. Do not pile mulch around the crown of roots. DO NOT make a "donut" around the tree.
  8. Do not stake or guy the tree unless high winds are anticipated. When staking or guying are necessary, use flexible materials touching the tree, never wire, even if inside a hose.
  9. Use of slow release watering bags such as Ooze Tube or similar product is recommended.



**Inventory of Existing, Preserved Trees**

22" Pear (0 credit)	24" Poplar
31" Oak	36" Oak
9" Cherry (0 credit)	2" Oak
20" Maple	2" Oak
25" Maple	2" Oak
28" Maple	2" Oak
28" Oak	2" Oak
17" Maple (Remove)	37" Oak
10" Maple	18" Oak
12" Maple	25" Sycamore
14" Oak	

**Required DFS:**

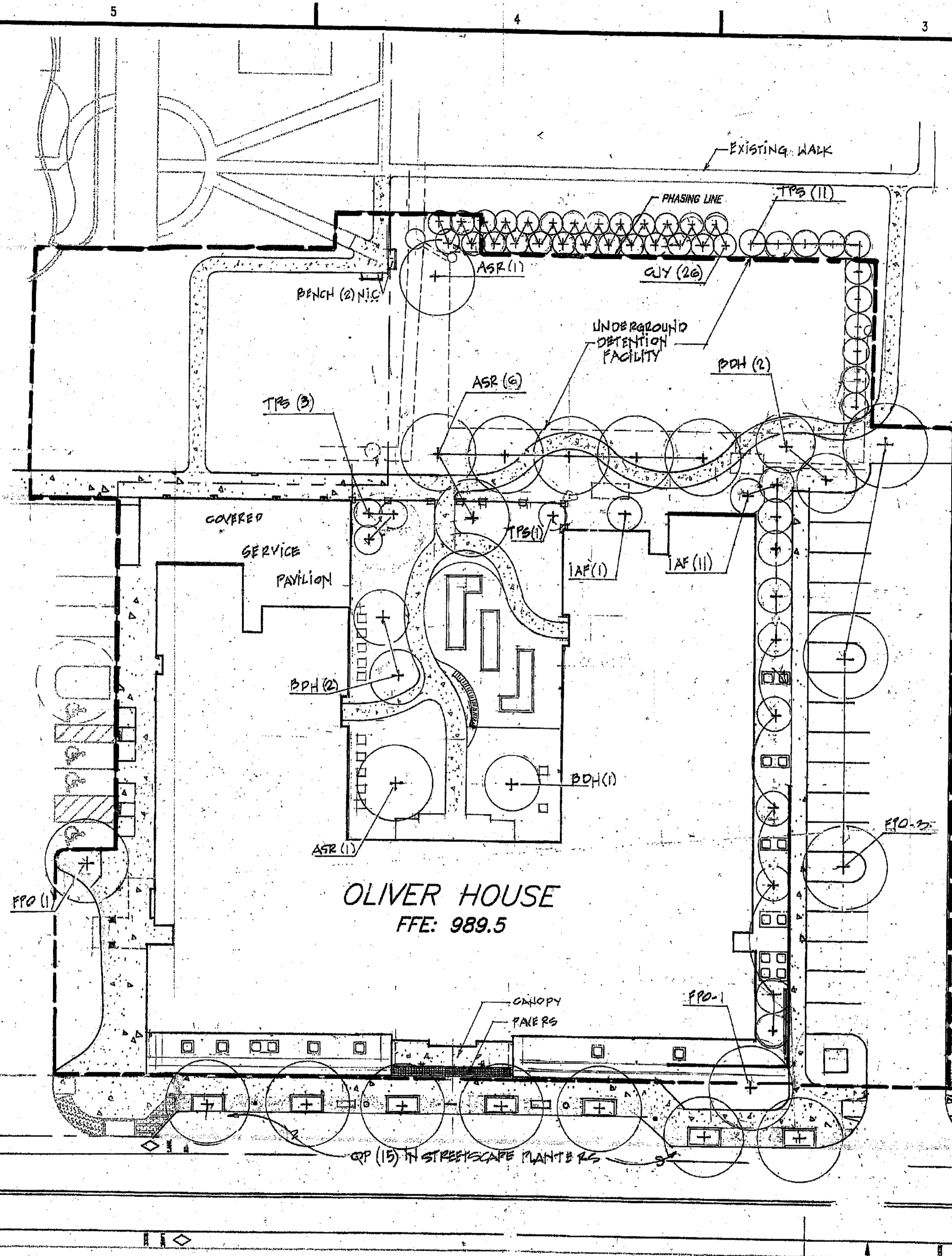
3.43 acres X 30 Units per acre = 102.9 Units required.

EDF (Existing Density Factor)			
Size	Units	Number	Total Units
2"	0.1	5	0.5
10"	0.6	1	0.6
12"	0.8	1	0.8
14"	1.1	1	1.1
18"	1.8	1	1.8
24"	3.1	1	3.1
25"	3.4	2	6.8
26"	3.7	1	3.7
28"	4.3	1	4.3
29"	4.6	1	4.6
31"	5.2	1	5.2
36"	7.1	1	7.6
37"	7.5	1	7.5
<b>Total EDF</b>			<b>47.1</b>

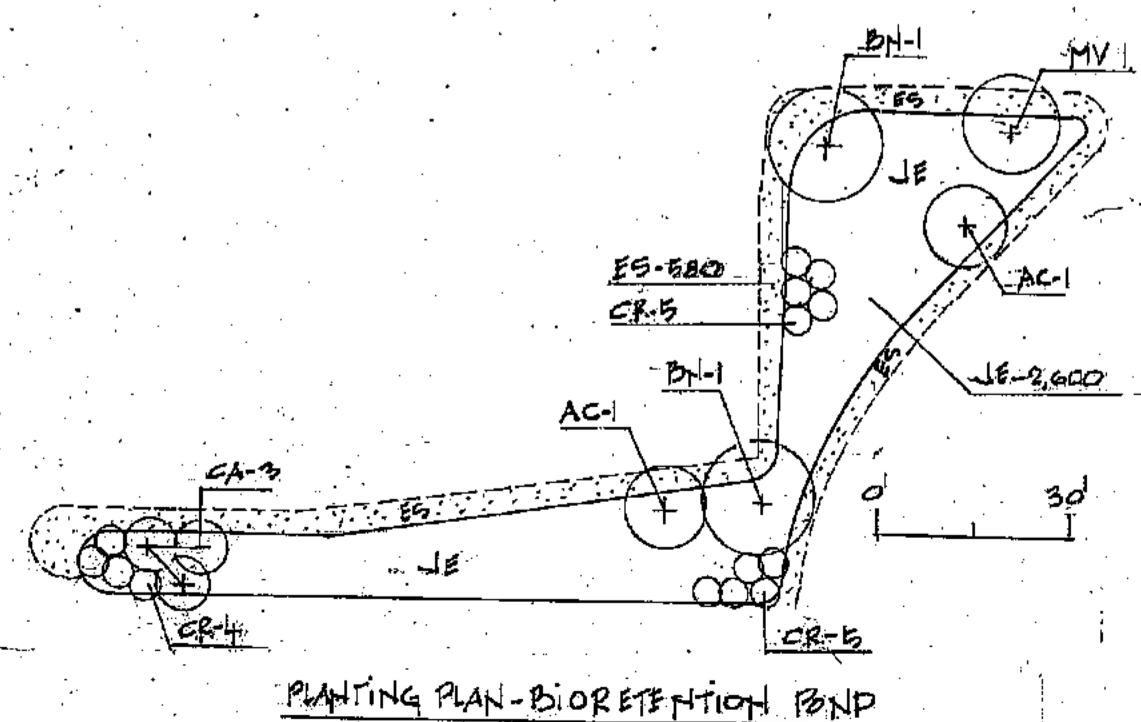
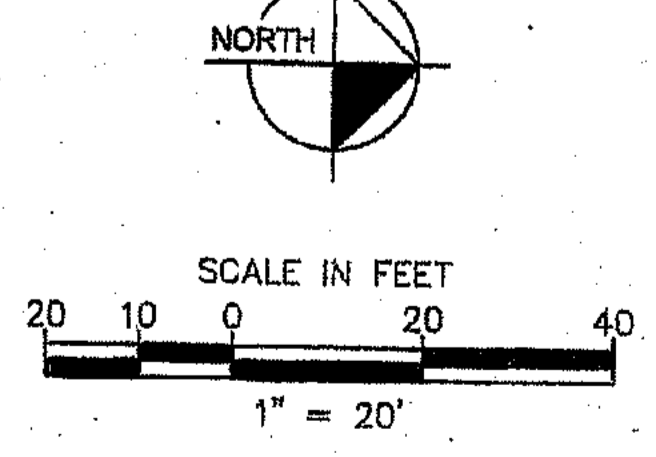
RDF (Replacement Density Factor)			
Size	Units	Number	Total
6"	1.0	15	15.0
5"	0.9	6	4.5
4"	0.7	11	7.7
3"	0.6	4	2.4
2"	0.5	53	26.5
<b>Total RDF</b>			<b>56.1</b>

EDF + RDF = or = DFS  
47.1 + 56.1 = 103.2 > 102.9, therefore the Required Density is satisfied.

Note: Density calculation includes TWO STORY BRICK BUILDING area west of Oliver House. An overall as-built density calculation will be required.



PLANT LIST - BIOTENTATION POND			
2	AC	Amelanchier canadensis	Shadbush Serviceberry
2	BN	Betula	Dura-Heat River Birch
3	CA	Cornus amomum	Downey Dogwood
14	MV	Clethra alnifolia "Ruby Spice"	Ruby Spice Summersweet
580	ES	Eragrostis spectabilis	Purple Lovegrass
2,600	JE	Juncus effusus	Soft Rush
1	MV	Magnolia virginiana	Sweetbay Magnolia



**DECATUR HOUSING AUTHORITY**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

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2722 PIEDMONT BLVD | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7898 | LIC. No. AA 0002442  
E: hio@hadp.com | www.HADPArchitecture.com

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Civil Engineer:  
**KIMLEY HORN AND ASSOCIATES, INC.**  
3169 HOLDEN BRIDGE RD, SUITE 600  
NORCROSS GA 30071  
678-433-3938  
Contact: JEFF WILKERSON

Structural Engineer:  
**STRUCTURAL CONSULTING GROUP**  
8260 SHILON RD, SUIT 201  
ALPHARETTA, GA 30005  
Ph: 678-613-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer:  
**JORDAN & SKALA**  
5385 OAKBROOK PARKWAY  
NORCROSS GA 30093  
770-447-6647  
Contact: VERN SMITH

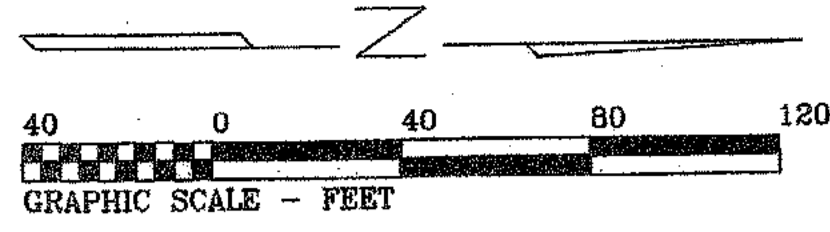
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**APPROVED**  
FOR LANDSCAPE TREE PROTECTION ONLY  
Ed Allan  
2/16/11

KEY PLAN

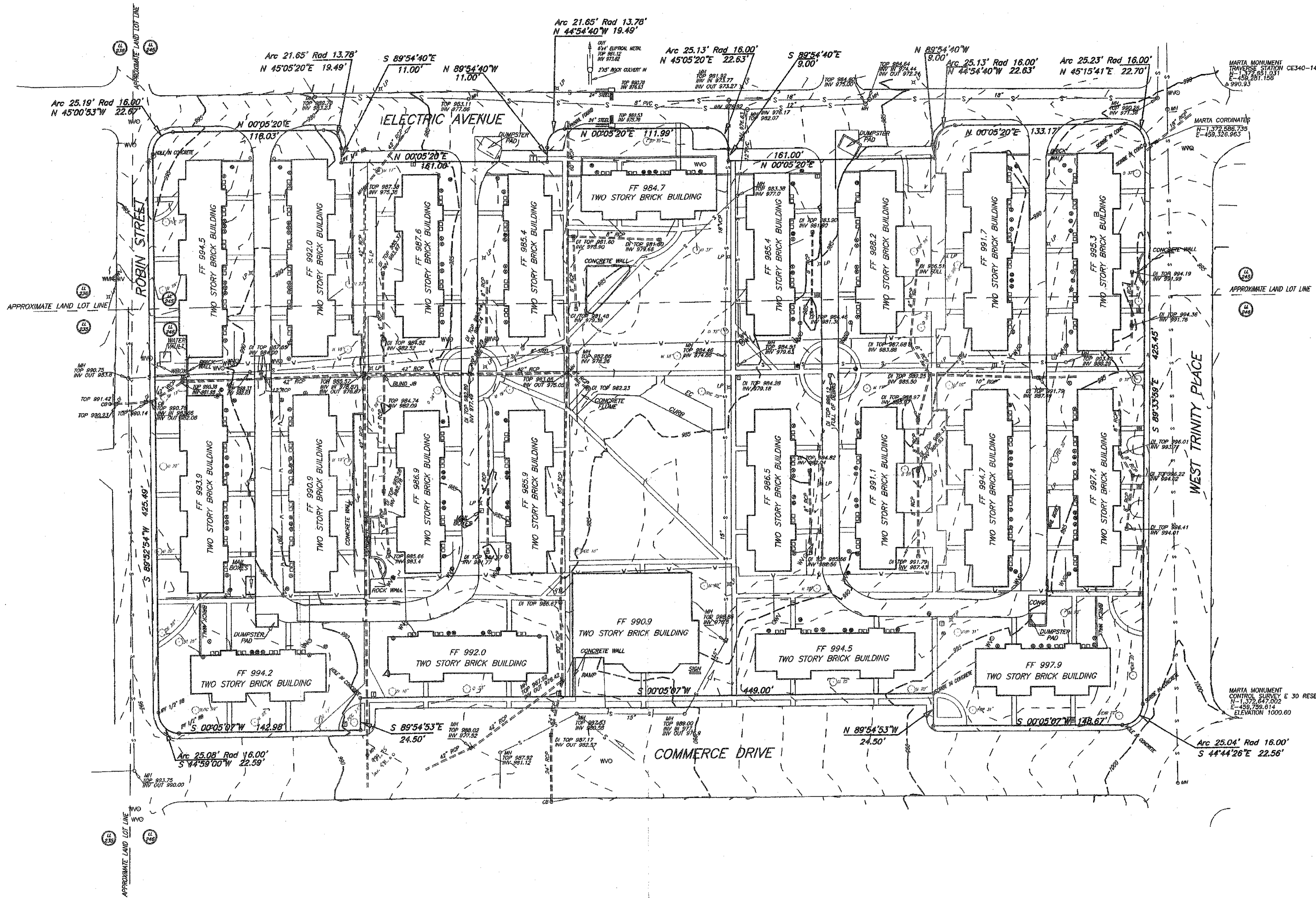
Revision	Description	Date
1	PHASE II BOUNDARY	6/6/11

Project No. 300810.00  
File Name  
Scale 1" = 20' 011 Date 5 JAN 2011  
Drawing Title  
**TREE PRESERVATION & REPLACEMENT PLAN**  
Sheet Number  
**TR-100**  
Professional of Record: Stewart Allan  
Professional Registration No: AR 0002442  
Seal



- LEGEND:**
- IPF IRON PIN FOUND
  - IPS IRON PIN SET
  - RB REBAR
  - OT OPEN TOP PIPE
  - R/W RIGHT OF WAY
  - MH MANHOLE
  - CB CATCH BASIN
  - DI DROP INLET
  - JB JUNCTION BOX
  - RTDI RAISED TOP DROP INLET
  - HW HEADWALL
  - CMP CORRUGATED METAL PIPE
  - RCP REINFORCED CONCRETE PIPE
  - WM WATER METER
  - WV WATER VALVE PROPOSED (NOT FOUND)
  - WV WATER VALVE
  - GV GATE VALVE
  - C & G 24" CURB & GUTTER
  - PP POWER POLE
  - TP TELEPHONE POLE
  - LP LIGHT POLE
  - S- SEWER LINE
  - T- TELEPHONE LINE
  - P- POWER LINE
  - W- WATER LINE
  - 11R 11 REGULAR PARKING SPACES
  - 11H/C 11 HANDICAP PARKING SPACE
  - TR TRANSFORMER
  - FH FIRE HYDRANT
  - P/T POWER & TELEPHONE LINE
  - GW GUY WIRE
  - GW AIR CONDITIONING UNIT
  - CL CLEANOUT
  - CL CLEANOUT PROPOSED (NOT FOUND)

- TREE LEGEND:**
- BLOC 28" 28" BLACK LOCUST
  - M 17" 17" MAPLE
  - M 18" 18" MAPLE
  - M 19" 19" MAPLE
  - M 20" 20" MAPLE
  - M 22" 22" MAPLE
  - M 23" 23" MAPLE
  - M 25" 25" MAPLE
  - M 28" 28" MAPLE
  - M 29" 29" MAPLE
  - O 22" 22" OAK
  - O 26" 26" OAK
  - O 28" 28" OAK
  - O 29" 29" OAK
  - O 33" 33" OAK
  - O 36" 36" OAK
  - O 37" 37" OAK
  - O 48" 48" OAK
  - PEAR 20" 20" PEAR
  - PEAR 22" 22" PEAR
  - PEC 17" 17" PECAN
  - PEC 18" 18" PECAN
  - PEC 20" 20" PECAN
  - POP 24" 24" POPLAR
  - POP 27" 27" POPLAR
  - POP 31" 31" POPLAR
  - SG 23" 23" SWEET GUM
  - SG 28" 28" SWEET GUM



AREA = 7.690 ACRES

WATER LINES SHOWN ARE FROM DESIGN DRAWINGS PROVIDED AND NOT FIELD LOCATED.

**PRINTED**  
JUL 24 2007  
TECHNICAL SURVEY SERVICES, INC.

**AS-BUILT SURVEY**  
FOR  
**DECATUR HOUSING AUTHORITY**  
OF  
**ALLEN WILSON TERRACE**  
LAND LOTS 245, 246 15TH DISTRICT  
DEKALB COUNTY CITY OF DECATUR GEORGIA  
SCALE: 1" = 40'

DATE: 10/3/96 ORIGINAL FIELD WORK  
DATE: 6/27/07 REVISED TO SHOW IMPROVEMENTS  
DATE: 7/19/07 REVISED TO SHOW IMPROVEMENTS

**TECHNICAL SURVEY SERVICES, INC.**  
Land Surveyors  
794 WEST CIRCLE, SW Telephone (770) 922-6391  
CONYERS, GEORGIA 30012 FAX (770) 922-0767  
JOB: DHA1.CRD SCREEN FILE: DHA001.DWG

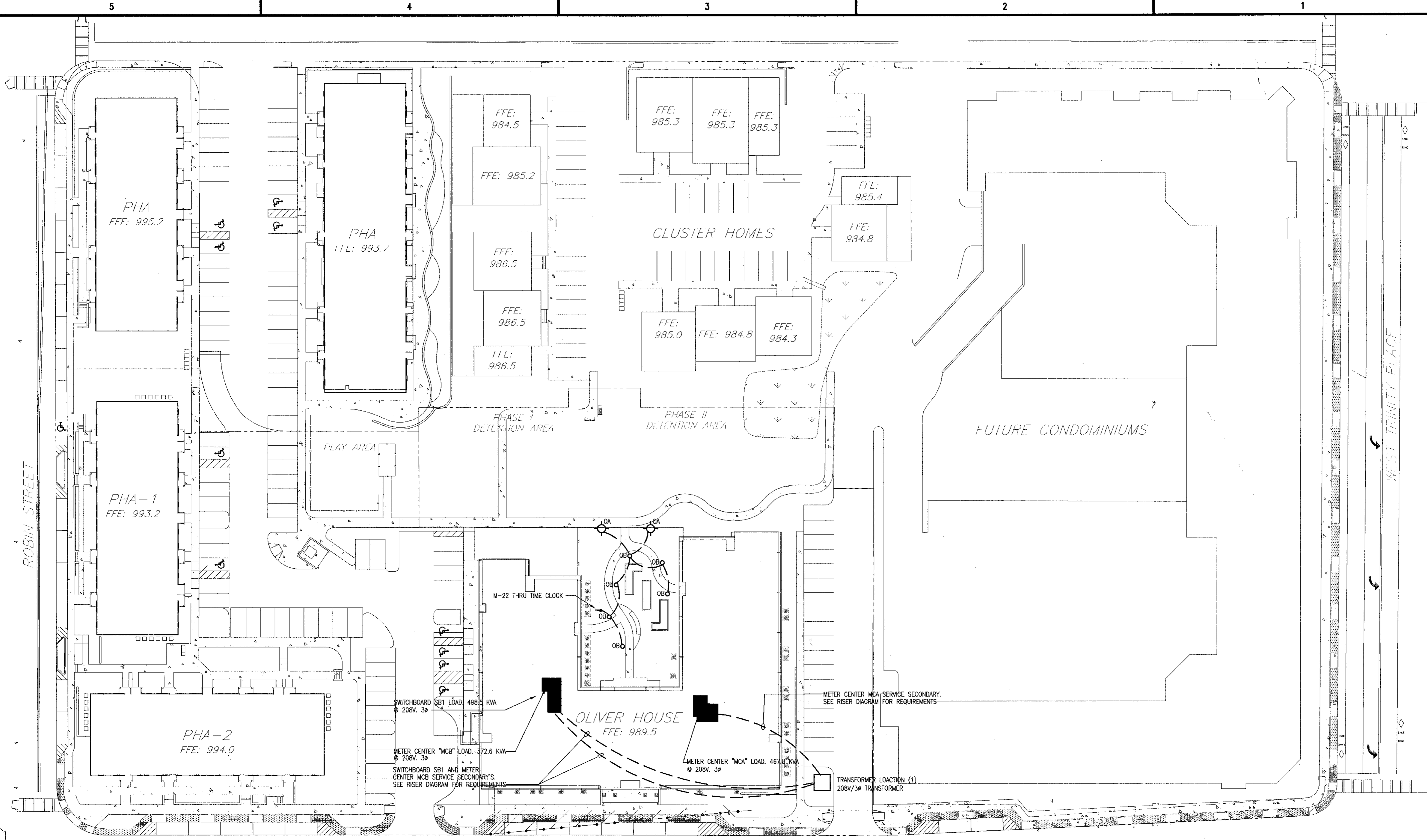


REFERENCE: PLAT OF PROPERTY OF DECATUR HOUSING PROJECT BY C.R. ROBERTS & CO. DATED JULY 26, 1941

THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 38,092 FEET AND AN ANGULAR ERROR OF .02" PER ANGLE AND WAS ADJUSTED USING THE COMPASS RULE.

A LEITZ SET 4 TOTAL STATION AND AN MC-5 DATA COLLECTOR WERE USED TO OBTAIN THE LINEAR AND ANGULAR MEASUREMENTS USED IN THE PREPARATION OF THIS PLAT.

THIS MAP OR PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE TO WITHIN ONE FOOT IN 828,220 FEET.



COMMERCE DRIVE

**SITE LIGHTING NOTE:**  
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 Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
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 ARCHITECTURE, INC.

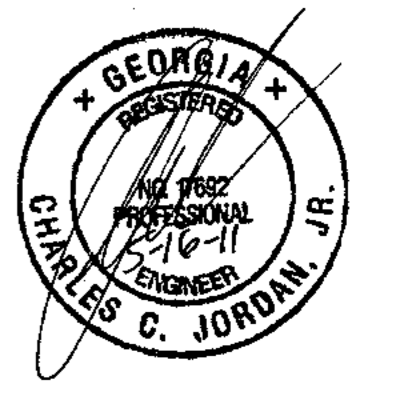
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackleford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH



KEY PLAN

Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No: **AH09132.00**

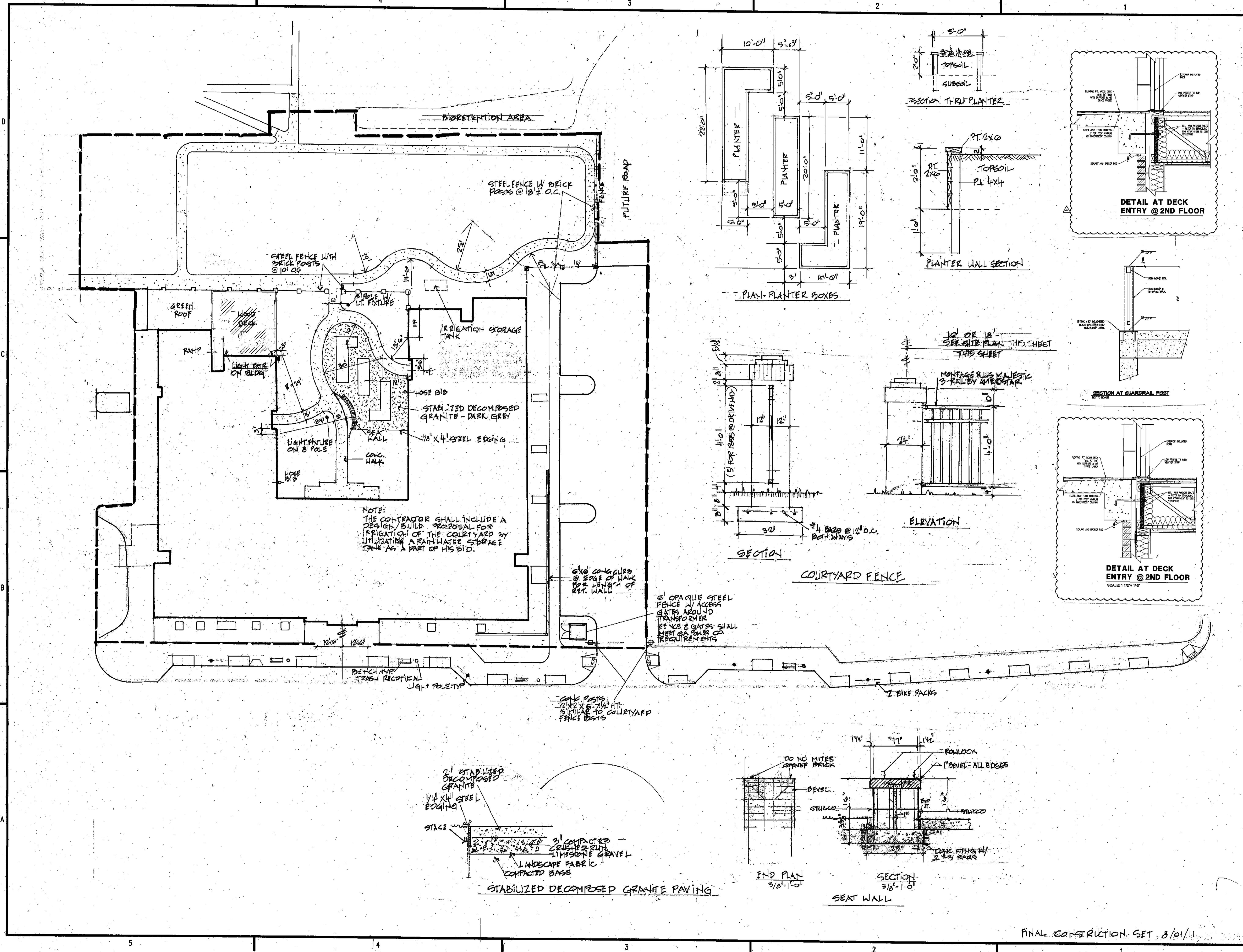
File Name  
 Scale **1" = 30'-0"** Date April 15, 2011

Drawing Title  
**SITE PLAN - ELECTRICAL**

Sheet Number  
**E1.00**

Professional of Record: **Stewart Allen**  
 Professional Registration No: **GA 3051**

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Decatur, Georgia 30030

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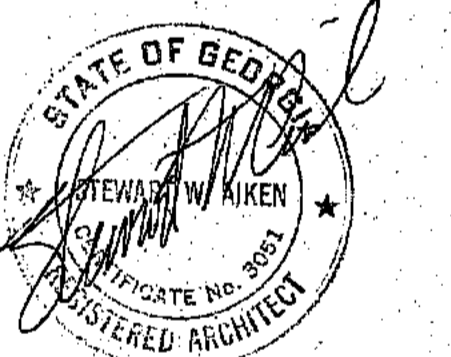
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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD SUIT 330  
ALPHARETTA, GA 30006  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shaddock Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0282  
Contact: VERN SMITH



KEY PLAN

Revision	Description	Date

Project No. AH08132.00  
File Name  
Scale 1/8" = 2'-0" Date 11 July 2011

Drawing Title  
**SITE PLAN**

Sheet Number  
**AS-100**

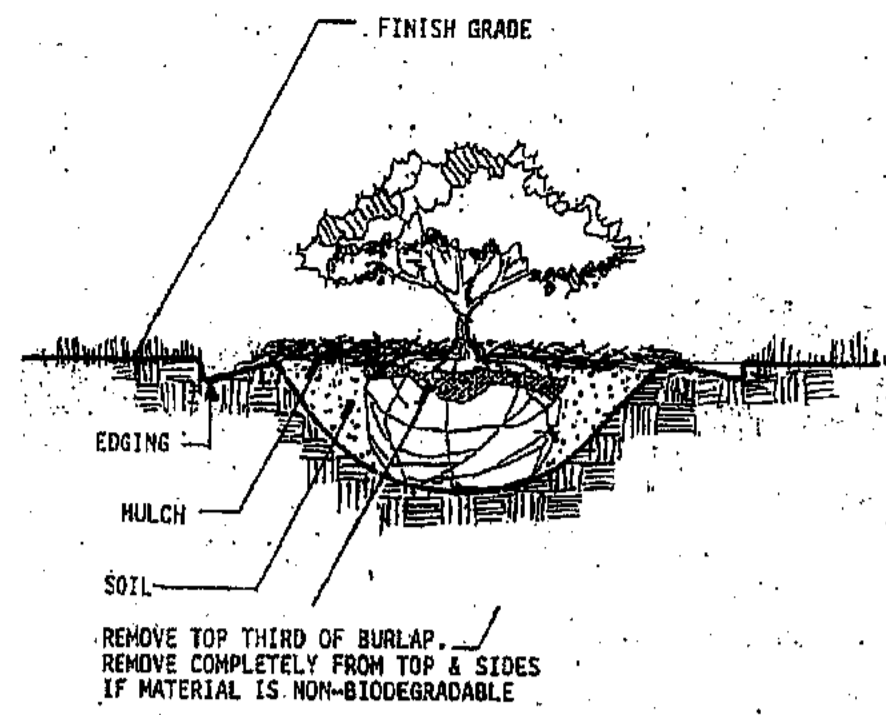
Professional of Record: Stewart Allen  
Professional Registration No: AR 0002442

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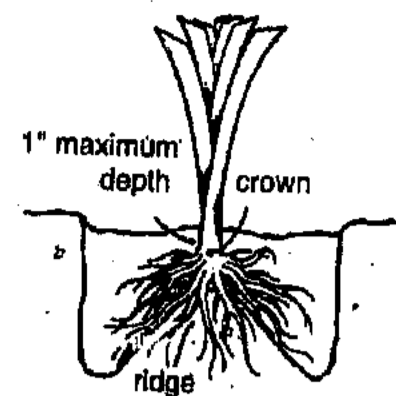
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FINAL CONSTRUCTION SET 8/01/11



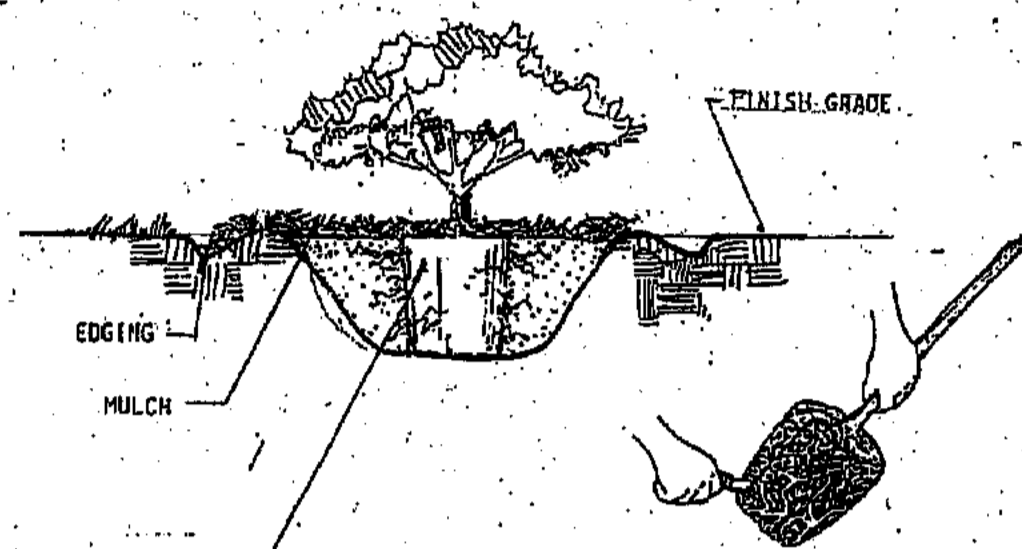


SHRUB PLANTING DETAIL

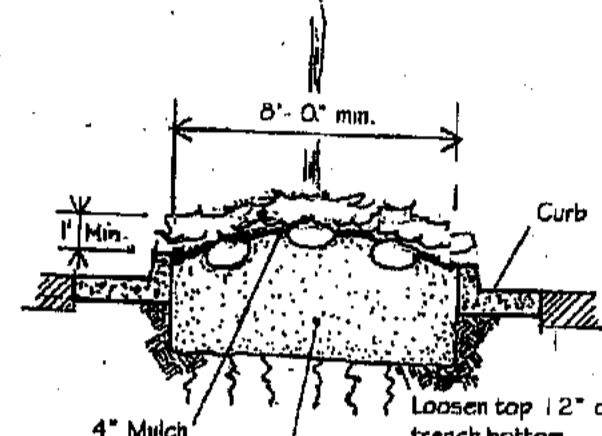


Dig each hole about 6 inches wider than the spread of the root mass, but leave a ridge in the center. Set the plant in place with the roots spread on each side of the ridge. Be sure the crown of the plant (the point where the roots and foliage meet) is set no deeper than 1 inch between the soil surface. Gently firm the soil around the roots and water in thoroughly.

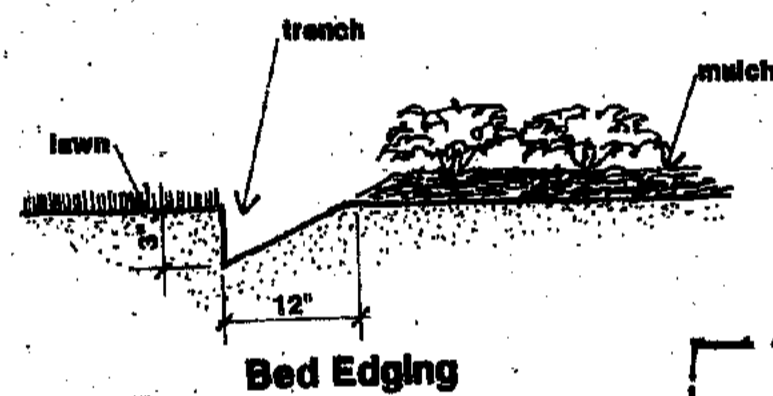
Planting Daylilies



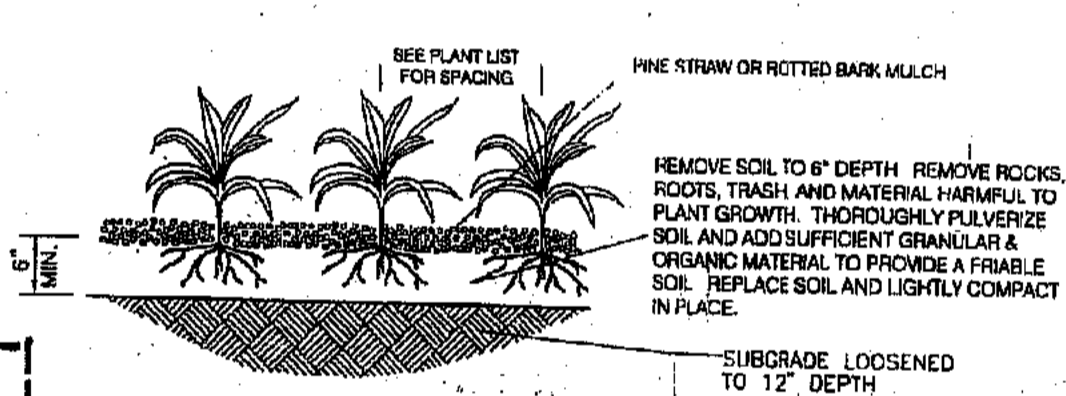
PLANTING of CONTAINER-GROWN PLANTS



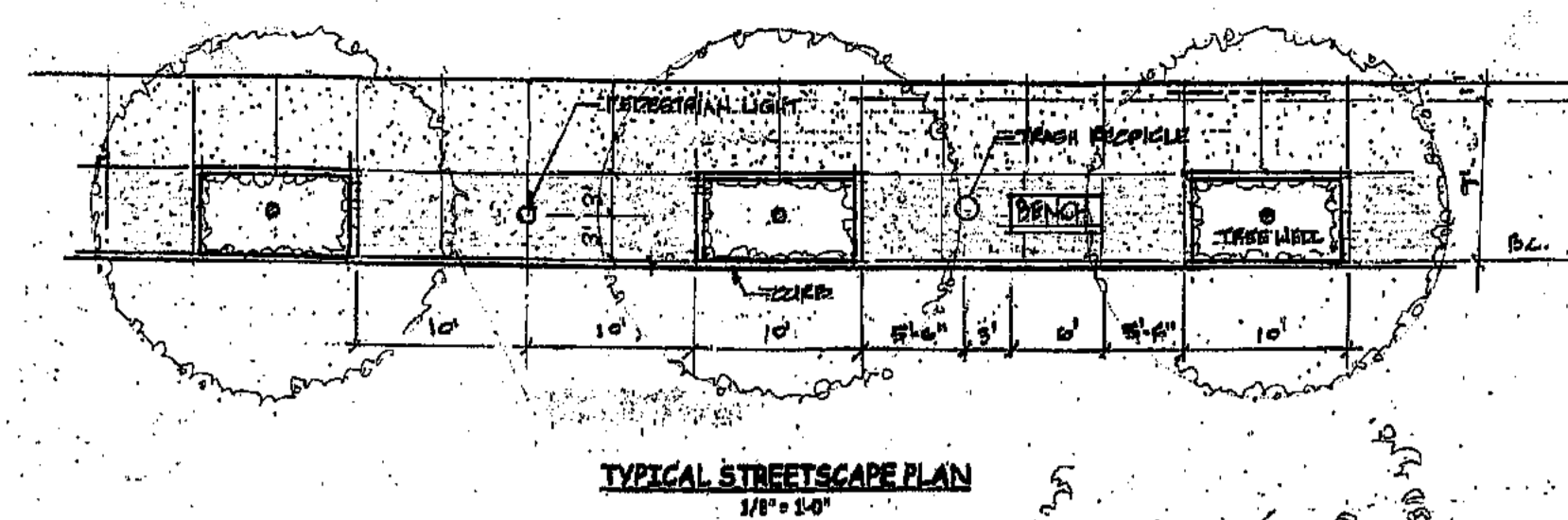
PARKING LOT ISLANDS & PENINSULAS



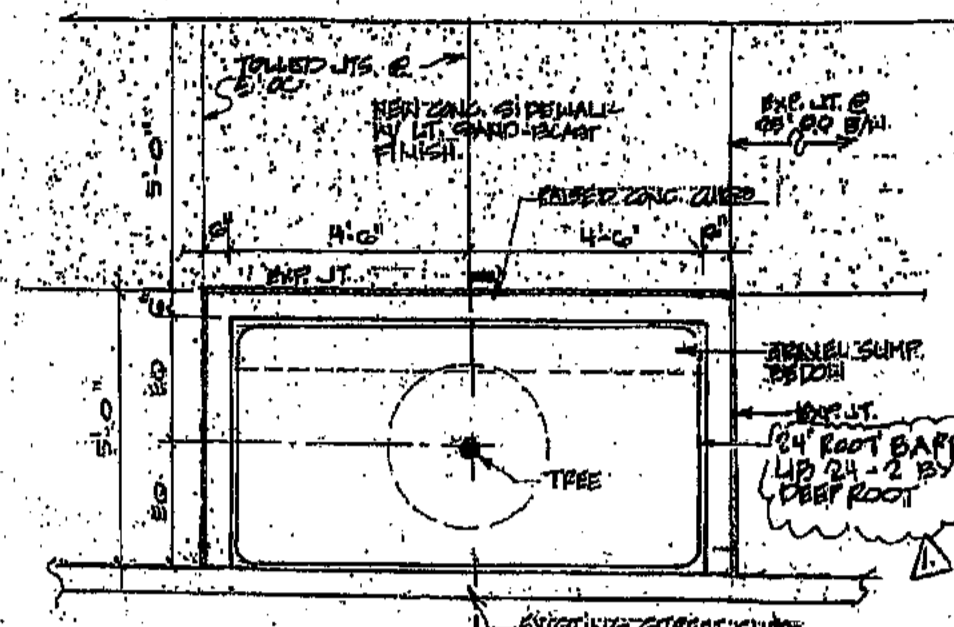
Bed Edging



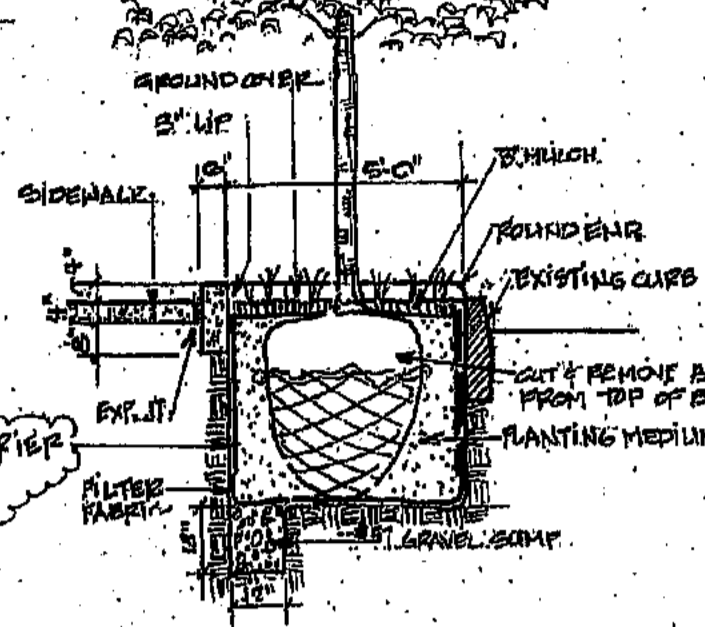
GROUND COVER PLANTING



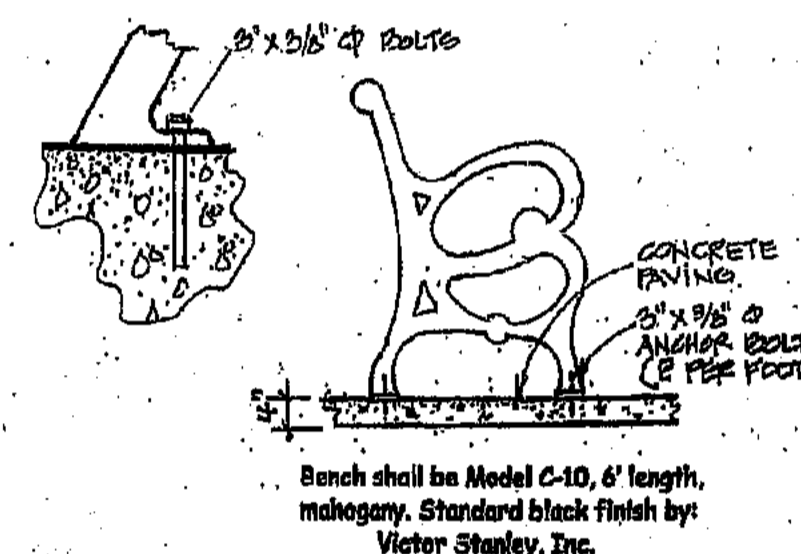
TYPICAL STREETSCAPE PLAN



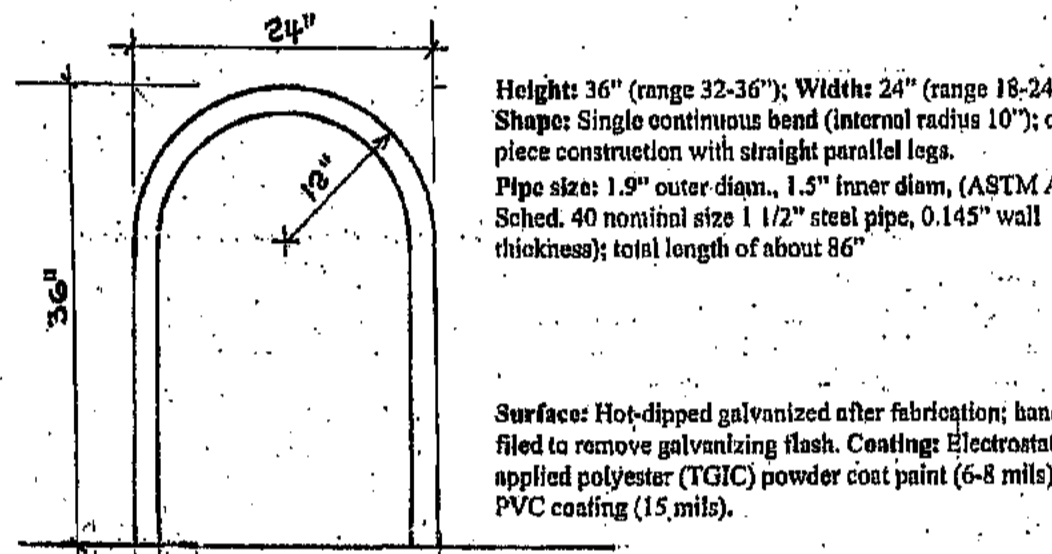
SIDEWALK & TREE WELL PLAN



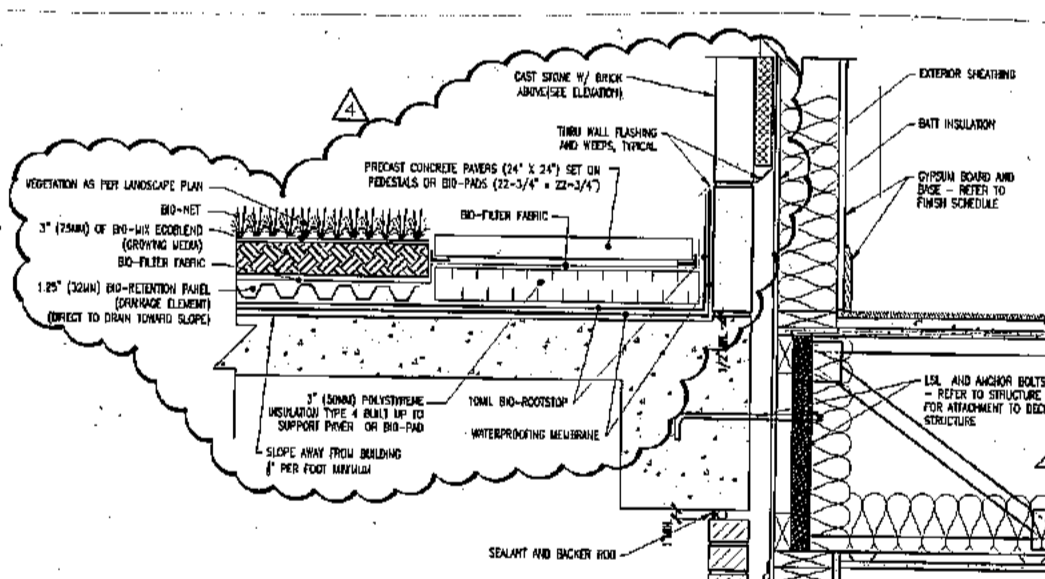
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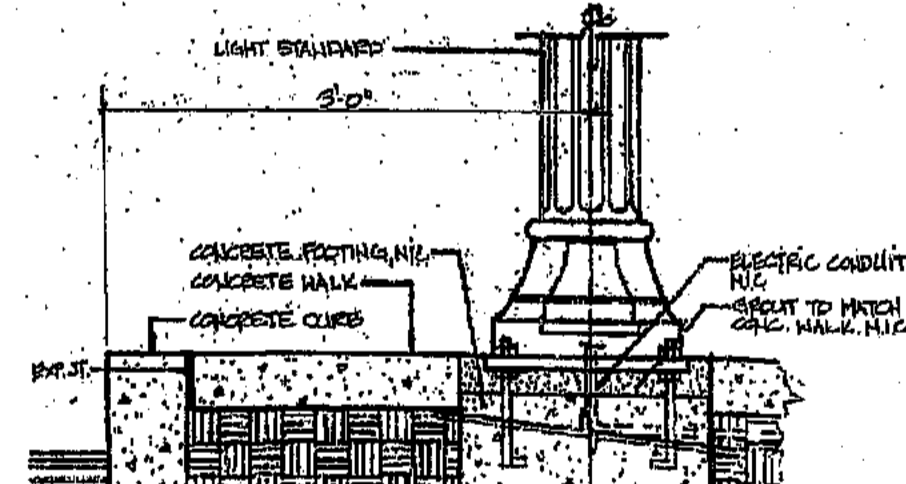
SIDEWALK BENCH



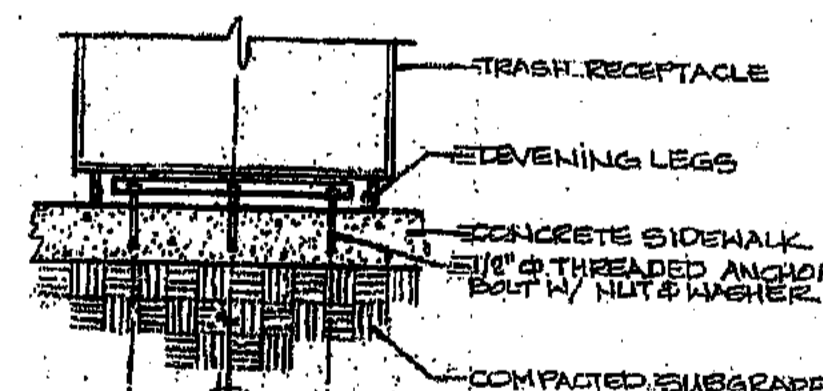
INVERTED-U RACK



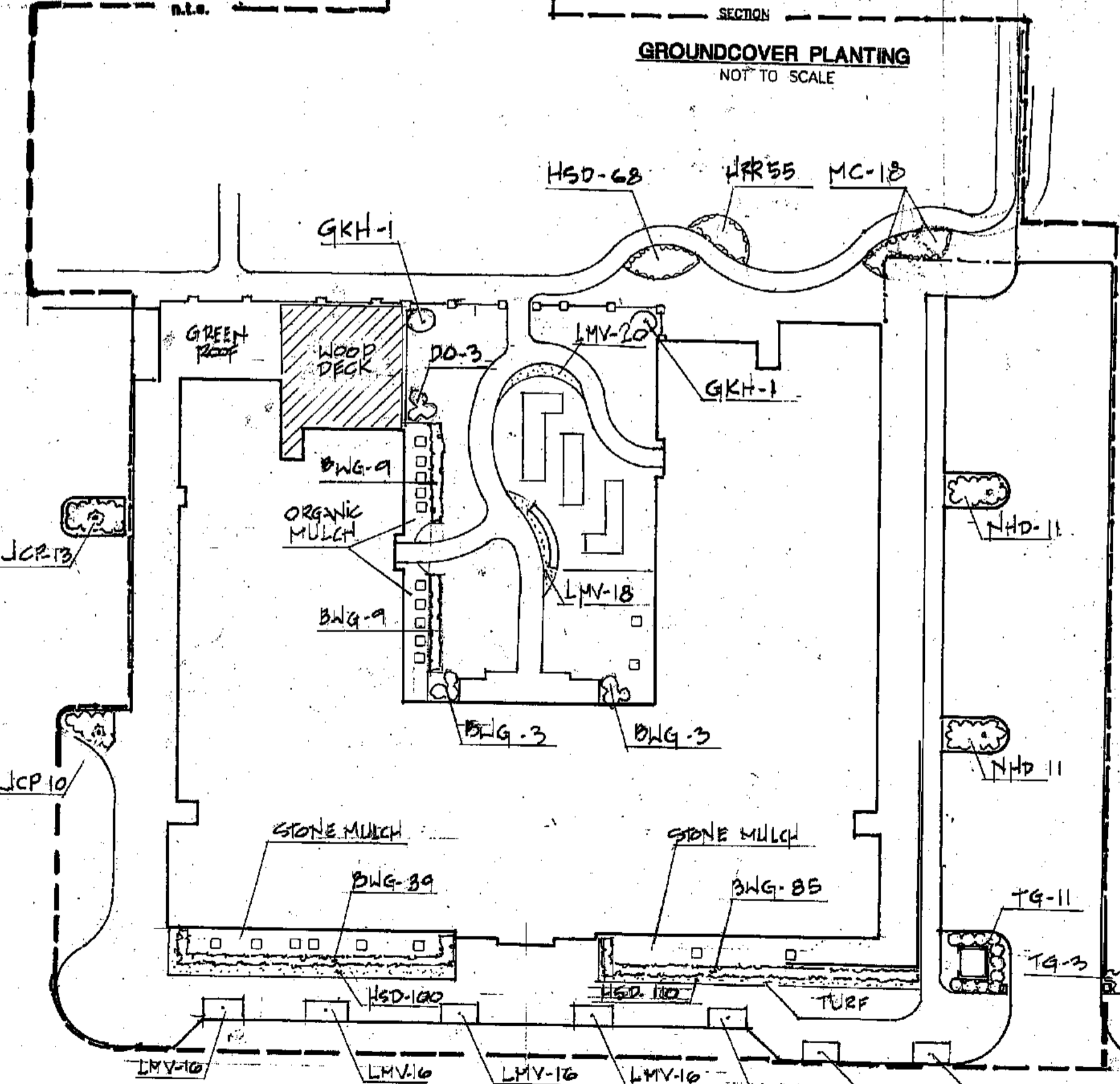
DETAIL AT DECK AND BUILDING 2ND FLOOR



PEDESTRIAN LIGHT



TRASH RECEPTACLE



SHRUB PLANTING PLAN

Key	Botanical Name	Common Name	Spacing	Specification
BWG	Buxus microphylla japonica "Wintergreen"	Wintergreen Japanese Boxwood	2'	3 gal. / 16"-18" ht.
DO	Daphnae odora	Winter Daphne	2'	3 gal. / 10" X 10"
GKH	Gardenia augusta "Klein's Hardy"	Klein's Hardy Gardenia	3'	7 gal. / 2'-2 1/2' ht
HRR	Hemerocallis x "Rosy Returns"	Rosy Returns Daylily	1 1/2'	#SP4 pot or 1 fan division, blooming size
HSD	Hemerocallis x "Stella De Oro"	Stella De Oro Daylily	1 1/2'	#SP4 pot or 1 fan division, blooming size
JCP	Juniperus chinensis "Parsoni"	Parson's Juniper	3'	3 gal. / five 12" branches min.
LMV	Liriope muscari variegata	Variiegated Lilyturf	1 1/2'	#SP4 pot or 3-5 bib BR clump
MC	Muhlenbergia capillaries	Pink Muhly Grass	2 1/2'	3 gal. / roots to edge of container
NHD	Nandina domestica "Harbour Dwarf"	Harbor Dwarf Nandina	2'	1 gal. / 12" ht.
TG	Ternstroemia gymnantheria	Cleyera	3'	3 gal. / 2'-2 1/2' ht

**Housing Authority of the City of Decatur, Georgia**  
**DECATUR HOUSING AUTHORITY**  
 750 Commerce Drive  
 Decatur, Georgia 30030  
 ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP**  
 ARCHITECTURE, INC.  
 2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
 E: info@hadp.com | www.HADPArchitecture.com  
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 Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 3189 HOLCOMB BRIDGE RD, Suite 600  
 NORCROSS GA 30071  
 878-533-3839  
 Contact: JEFF WILKERSON  
 Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD. SUIT 201  
 ALPHARETTA, GA 30005  
 Ph: 878-513-4242  
 Contact: JOHN FLANNIGAN  
 Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 5385 OAKBROOK PARKWAY  
 NORCROSS GA 30093  
 770-447-5547  
 Contact: VERN SMITH

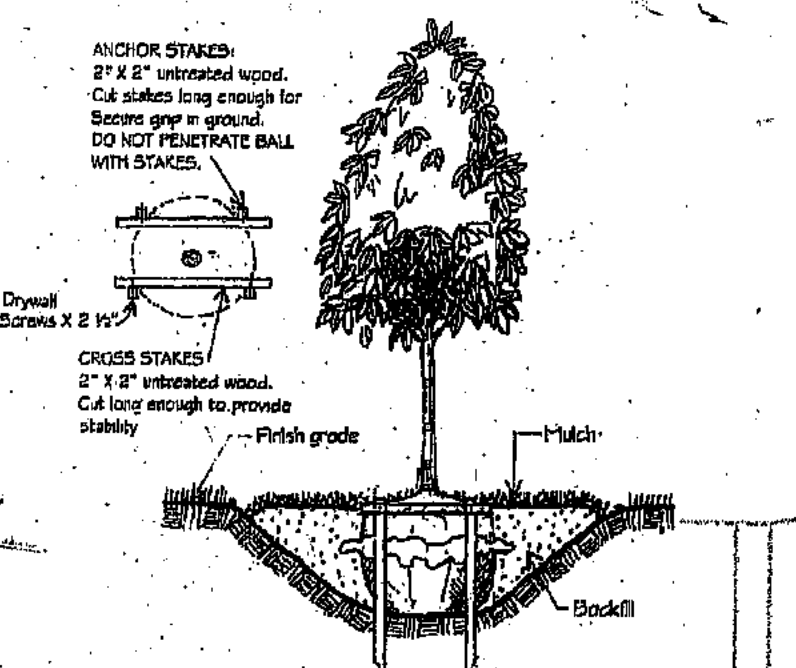
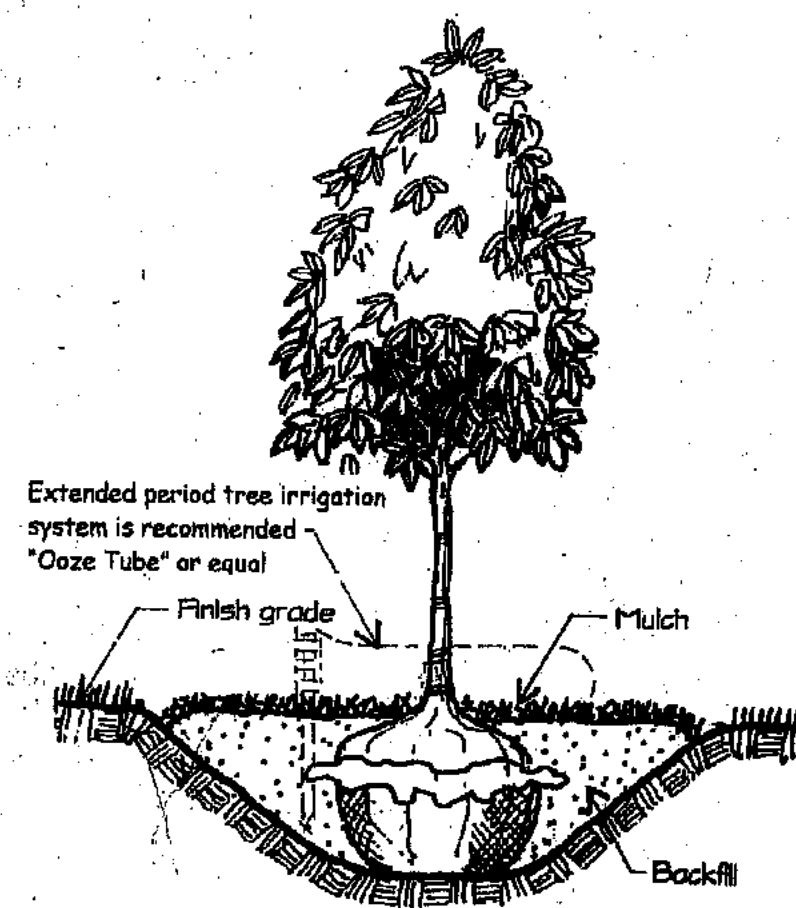
KEY PLAN  
 ADDITIONAL SHEETS 3/2/11  
 PHASE II BOUNDARY 6/6/11  
 Revision Description Date  
 Project No. 3005010.00  
 File Name  
 Scale 1/8" = 1'-0" Date 17 JULY 2011  
 Drawing Title  
**PLANTING & SITE DETAILS**  
 Sheet Number  
**L-100**  
 Professional of Record: Stewart Alkan  
 Professional Registration No: AR 0002442  
 Seal:



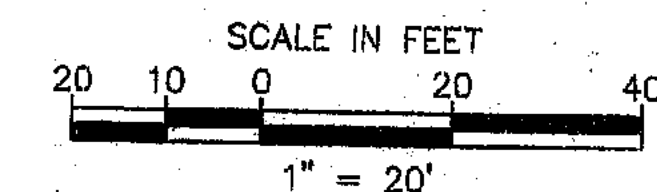
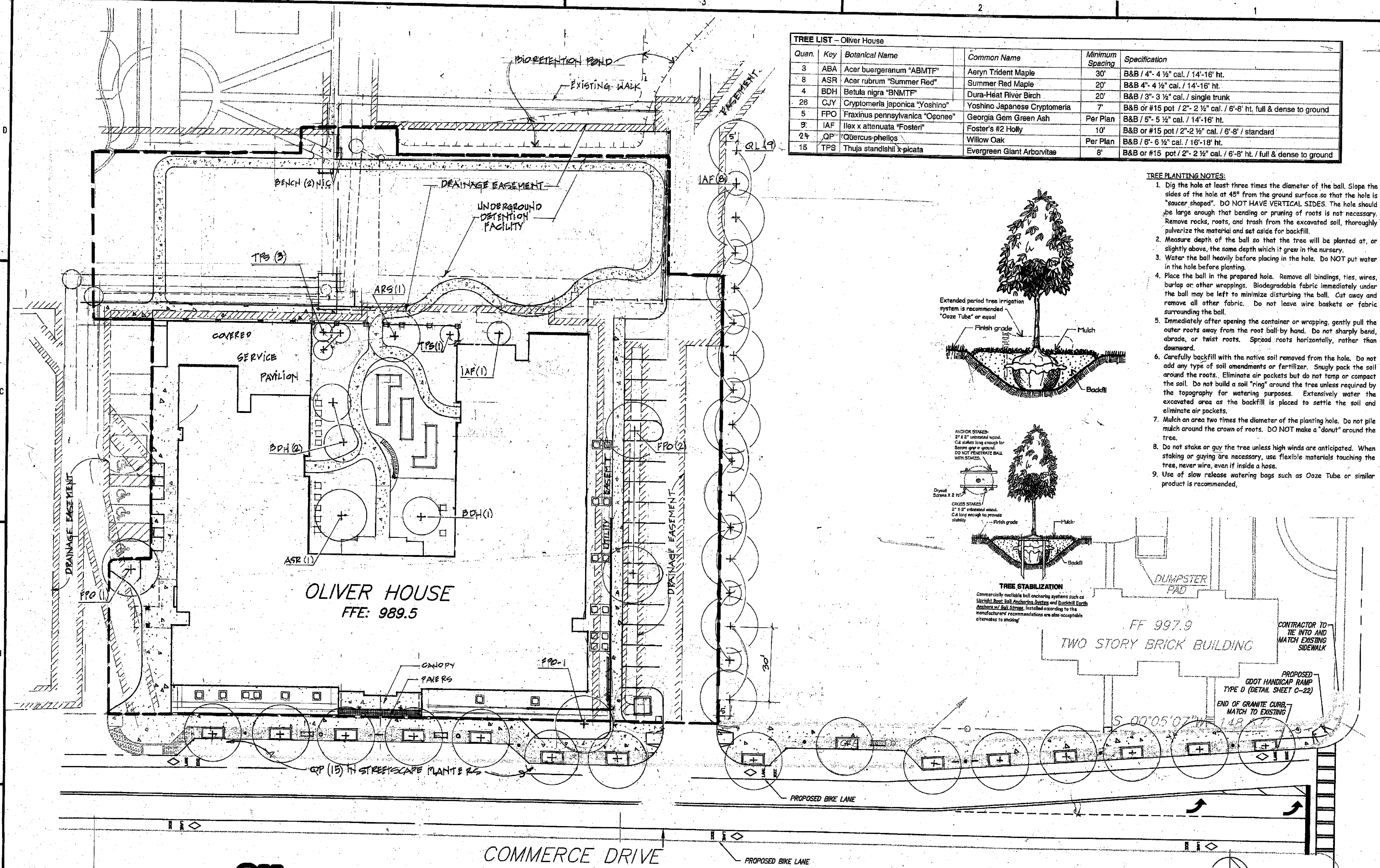
Quan.	Key	Botanical Name	Common Name	Minimum Spacing	Specification
3	ABA	Acer buergerianum "ABMTF"	Aeryn Trident Maple	30'	B&B / 4" - 4 1/2" cal. / 14'-16' ht.
8	ASR	Acer rubrum "Summer Red"	Summer Red Maple	20'	B&B 4" - 4 1/2" cal. / 14'-16' ht.
4	BDH	Betula nigra "BNMTF"	Dura-Heat River Birch	20'	B&B / 3" - 3 1/2" cal. / single trunk
26	CJY	Cryptomeria japonica "Yoshino"	Yoshino Japanese Cryptomeria	7'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' ht. full & dense to ground
5	FPO	Fraxinus pennsylvanica "Ozonee"	Georgia Gem Green Ash	Per Plan	B&B / 5" - 5 1/2" cal. / 14'-16' ht.
9	IAF	Ilex x attenuata "Foster"	Foster's #2 Holly	10'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' / standard
24	QP	Quercus phellos	Willow Oak	Per Plan	B&B / 6" - 6 1/2" cal. / 16'-18' ht.
15	TPS	Thuja standishii x plicata	Evergreen Giant Arborvitae	8'	B&B or #15 pot / 2" - 2 1/2" cal. / 6'-8' ht. / full & dense to ground

**TREE PLANTING NOTES:**

1. Dig the hole at least three times the diameter of the ball. Slope the sides of the hole at 45° from the ground surface so that the hole is "saucer shaped". DO NOT HAVE VERTICAL SIDES. The hole should be large enough that bending or pruning of roots is not necessary. Remove rocks, roots, and trash from the excavated soil, thoroughly pulverize the material and set aside for backfill.
2. Measure depth of the ball so that the tree will be planted at, or slightly above, the same depth which it grew in the nursery.
3. Water the ball heavily before placing in the hole. Do NOT put water in the hole before planting.
4. Place the ball in the prepared hole. Remove all bindings, ties, wires, burlap or other wrappings. Biodegradable fabric immediately under the ball may be left to minimize disturbing the ball. Cut away and remove all other fabric. Do not leave wire baskets or fabric surrounding the ball.
5. Immediately after opening the container or wrapping, gently pull the outer roots away from the root ball by hand. Do not sharply bend, abrade, or twist roots. Spread roots horizontally, rather than downward.
6. Carefully backfill with the native soil removed from the hole. Do not add any type of soil amendments or fertilizer. Snugly pack the soil around the roots. Eliminate air pockets but do not tamp or compact the soil. Do not build a soil "ring" around the tree unless required by the topography for watering purposes. Extensively water the excavated area as the backfill is placed to settle the soil and eliminate air pockets.
7. Mulch an area two times the diameter of the planting hole. Do not pile mulch around the crown of roots. DO NOT make a "donut" around the tree.
8. Do not stake or guy the tree unless high winds are anticipated. When staking or guying are necessary, use flexible materials touching the tree, never wire, even if inside a hose.
9. Use of slow release watering bags such as Ooze Tube or similar product is recommended.



**TREE STABILIZATION**  
 Commercially available ball anchoring systems such as *Urbair*, *Root Ball Anchors*, *Ball Stakes* and *Ball Stakes Earth Anchors* w/ Ball Stakes. Installed according to the manufacturer's recommendations are also acceptable alternatives to staking.



FINAL CONSTRUCTION SET 8/01/11



**DECATUR HOUSING AUTHORITY**  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia



3722 FREEMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4455 | F: 404.233.7395 | LIC. No. AA 0002442  
 E: info@hadp.com | www.hadparchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 3169 HOLCOMB BRIDGE RD, SUITE 600  
 NORCROSS GA 30071  
 578-533-8835  
 Contact: JEFF WILKERSON

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD. SUIT 201  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 6385 OAKBROOK PARKWAY  
 NORCROSS GA 30093  
 770-447-5647  
 Contact: VERN SMITH

KEY PLAN		
DRAINAGE UTILITY EXHIBITS	3/2/11	
PHASE II BOUNDARY	6/6/11	
Revision	Description	Date
Project No.	3005010.00	
File Name		
Scale	1" = 20'-0"	Date 18 MAR 2011
Drawing Title	TREE PLANTING PLAN	
Sheet Number	L-101	
Professional of Record:	Stewart Allen	
Professional Registration No.:	AR 0002442	
Seal:		

2 HOUR FLOOR/CEILING

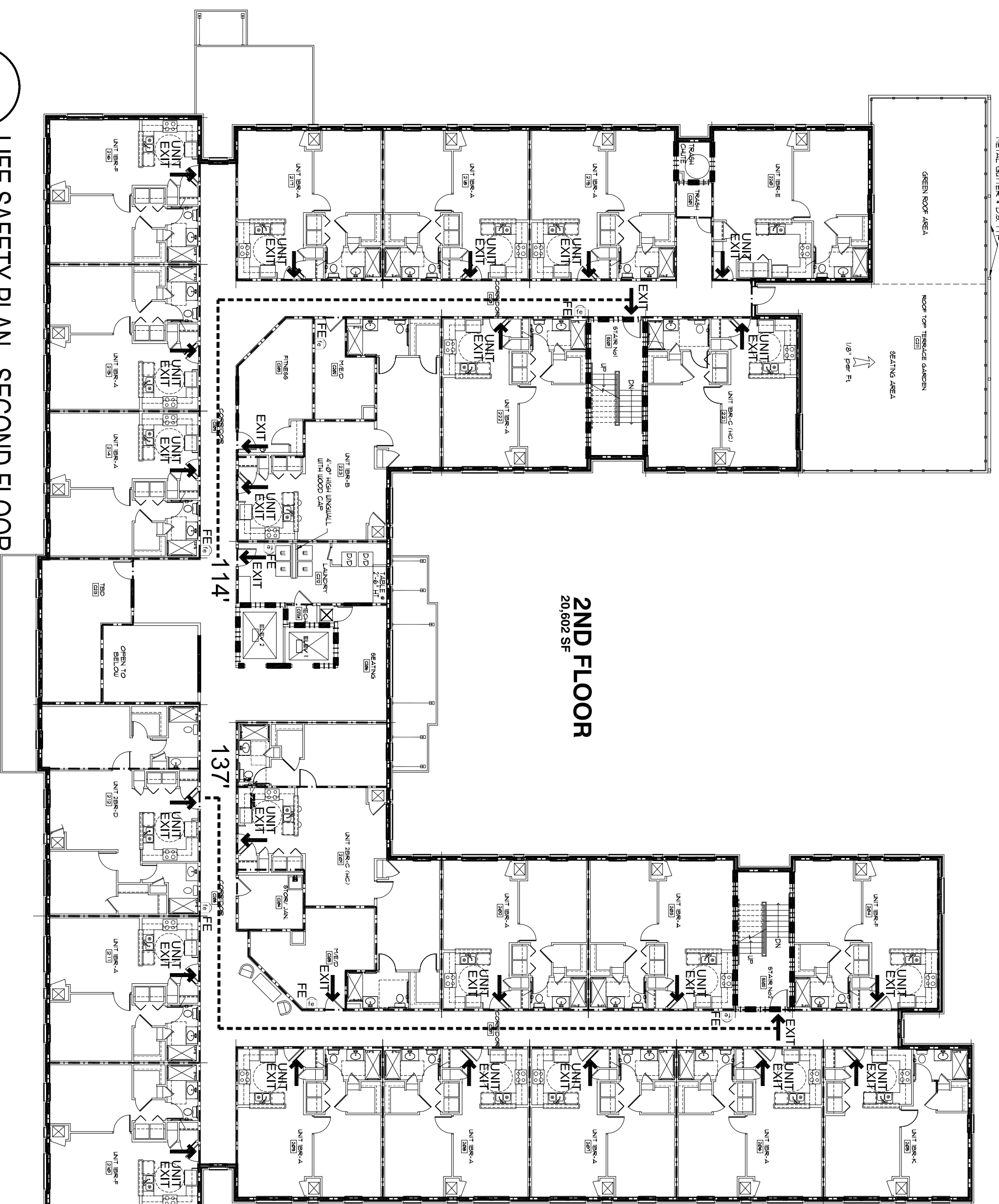
1 HOUR

2 HOUR

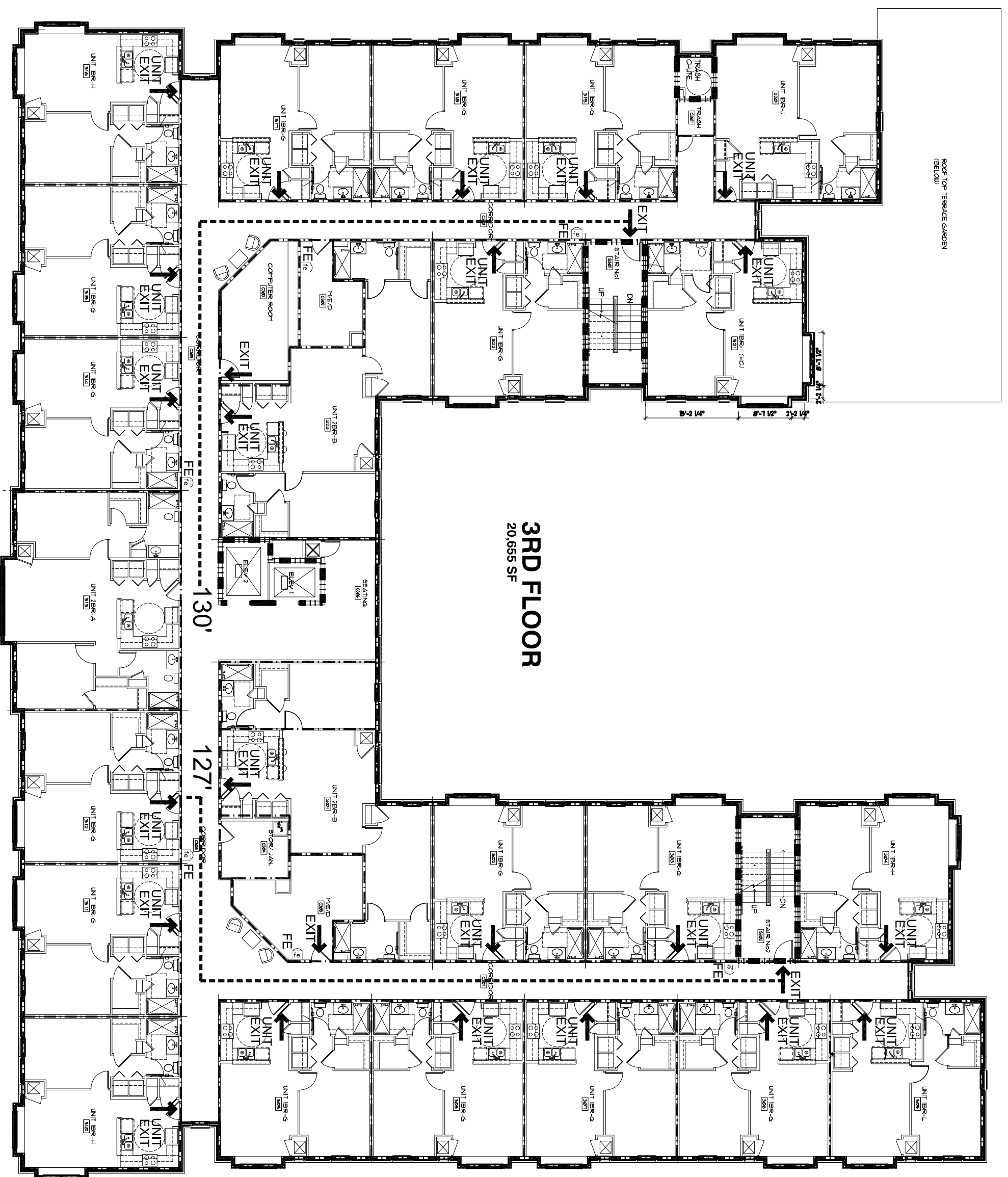
EVACUATION ROUTE

FE FIRE EXTINGUISHER IN SEMIRECESSED CABINET

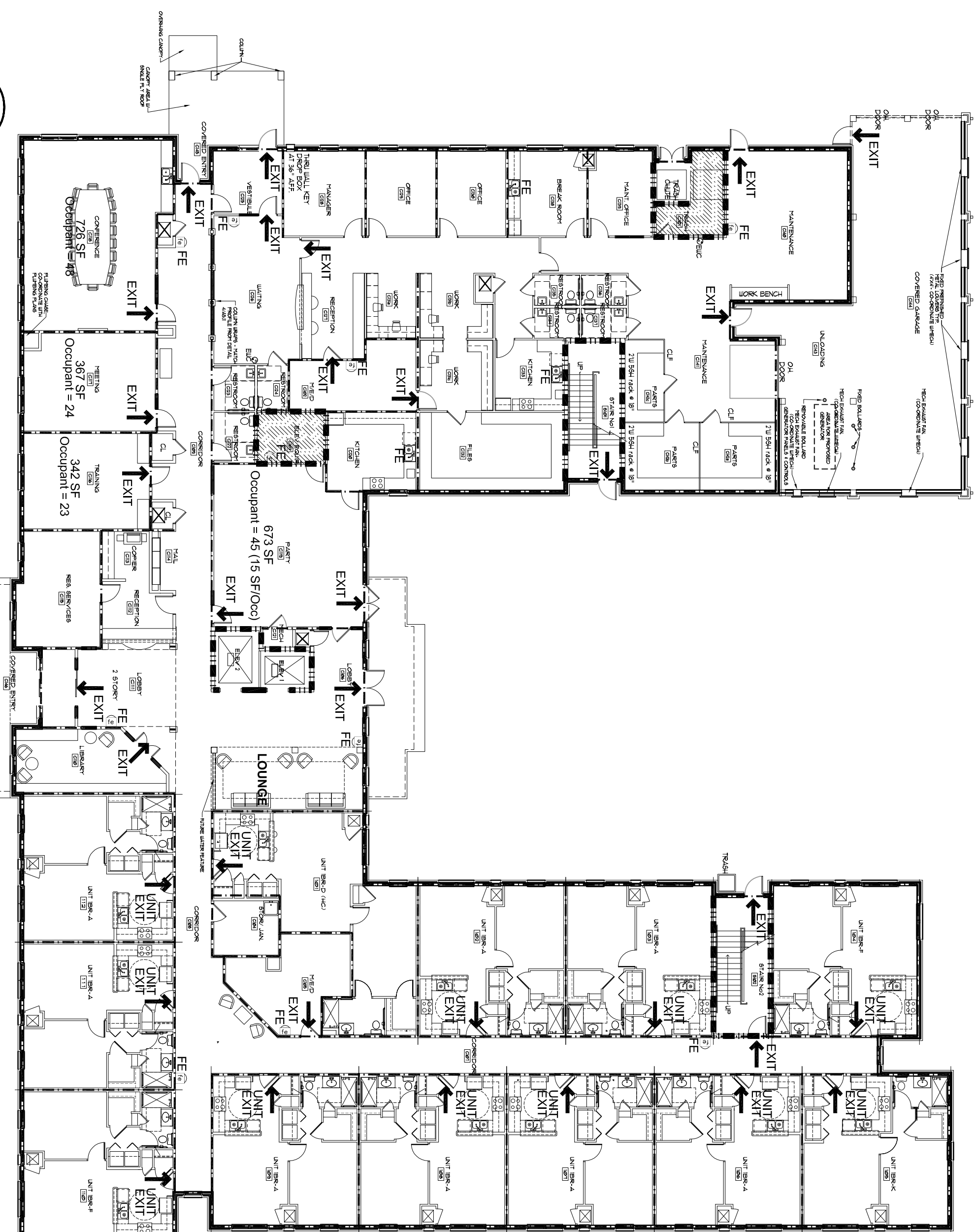
NOTES:  
 1. ALL LOAD BEARING WALLS ARE 1HR.  
 2. REFER TO ARCHITECTURAL PLANS FOR LOAD BEARING WALL LOCATIONS.  
 3. REFER TO A-402 FOR WALL TYPES & A-403 & A-407 FOR UL DETAILS.  
 4. REFER COVER SHEET FOR OCCUPANT LOAD PER FLOOR.  
 5. REFER FLOOR SMOKE BARRIERS OR WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE A DECORATIVE CEILING AND OR IN CONCEALED SPACES A MINIMUM OF 1 FEET WALL OR BARRIER. THE HOURLY RATING SHALL BE INCLUDED ON ALL RATED BARRIERS OR WALLS.



2 LIFE SAFETY PLAN - SECOND FLOOR  
 1/16" = 1'-0"



3 LIFE SAFETY PLAN - 3RD/4TH FLOOR  
 1/16" = 1'-0"



1 LIFE SAFETY PLAN - FIRST FLOOR  
 1/16" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030

OLIVER HOUSE  
 Commerce Drive  
 Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30326  
 T: 404.253.4488 | F: 404.253.7361 | LIC. NO. AA 000242  
 E: info@hadp.com | www.hadp-architect.com

Owner Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6520 SHILOH ROAD SUITE 330  
 LAWRENCEVILLE, GA 30046  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Stiversford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0282  
 Contact: VERN SMITH



KEY PLAN

Revision	Description	Date
1	Adopted/Rev1	2/10/11
2	Adopted/Rev2	2/21/11
3	Q3 Review Comments	4/11/11
4	Adopted/Rev3 & Coordination	4/15/11

Project No: A109132.00  
 File Name: A109132.00  
 Scale: 1/8" = 1'-0"  
 Drawing Title: LIFE SAFETY PLANS ALL FLOORS  
 Date: August 1, 2011

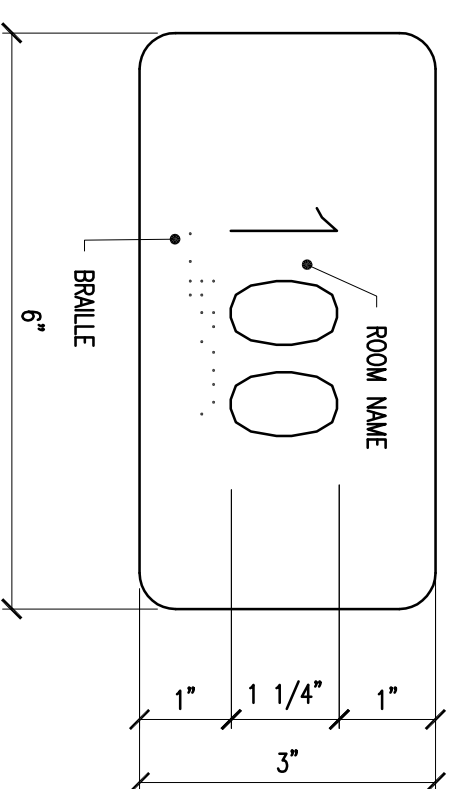
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**AL1.00**

Professional of Record: Stewart Akers  
 Professional Registration No. CA 3015

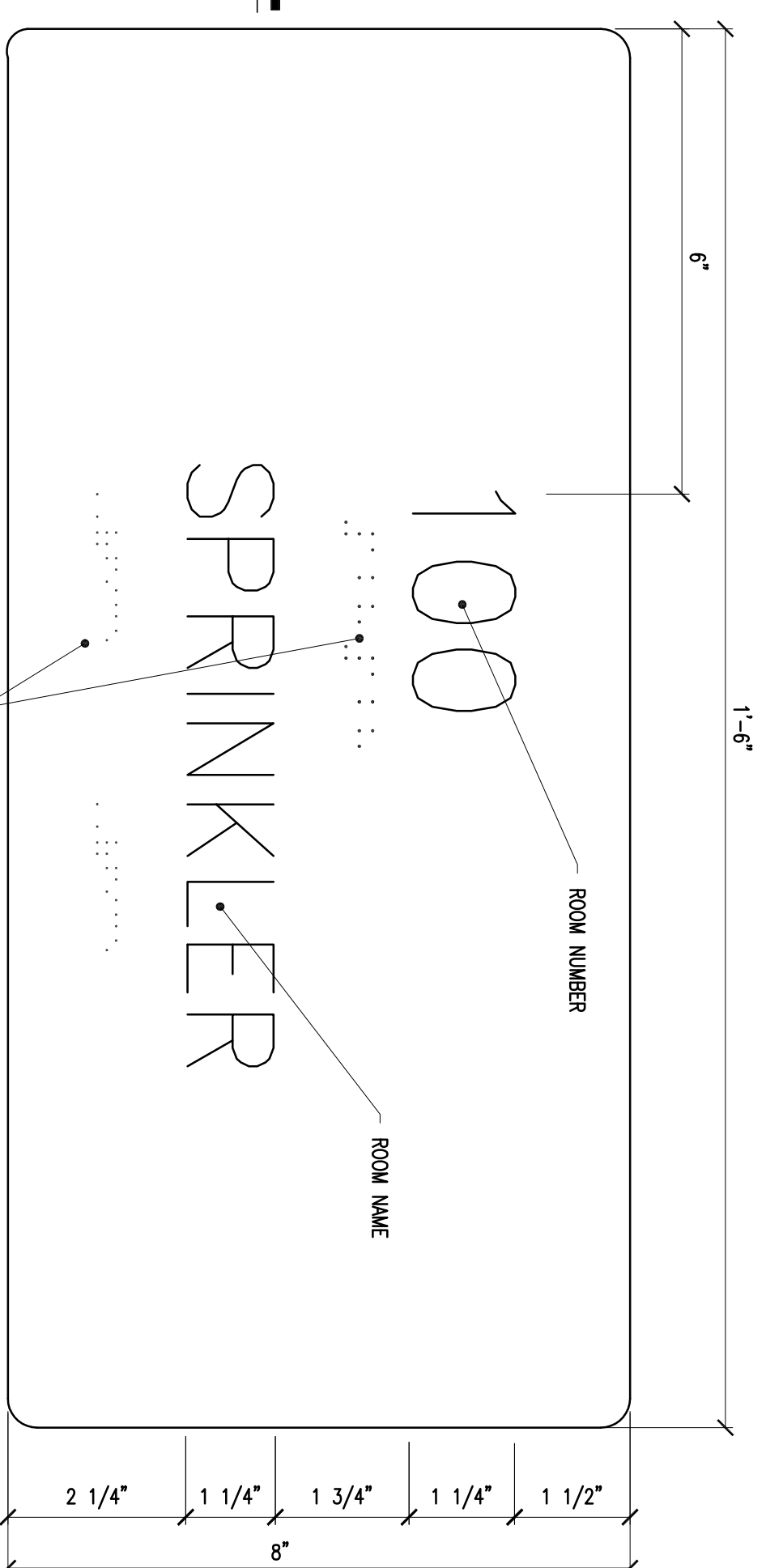
This drawing contains information that is confidential to the production of Contract No. A109132.00. It is the property of HADP Architecture, Inc. and shall remain the property of HADP Architecture, Inc. unless otherwise stated.

STANDARD ABBREVIATIONS

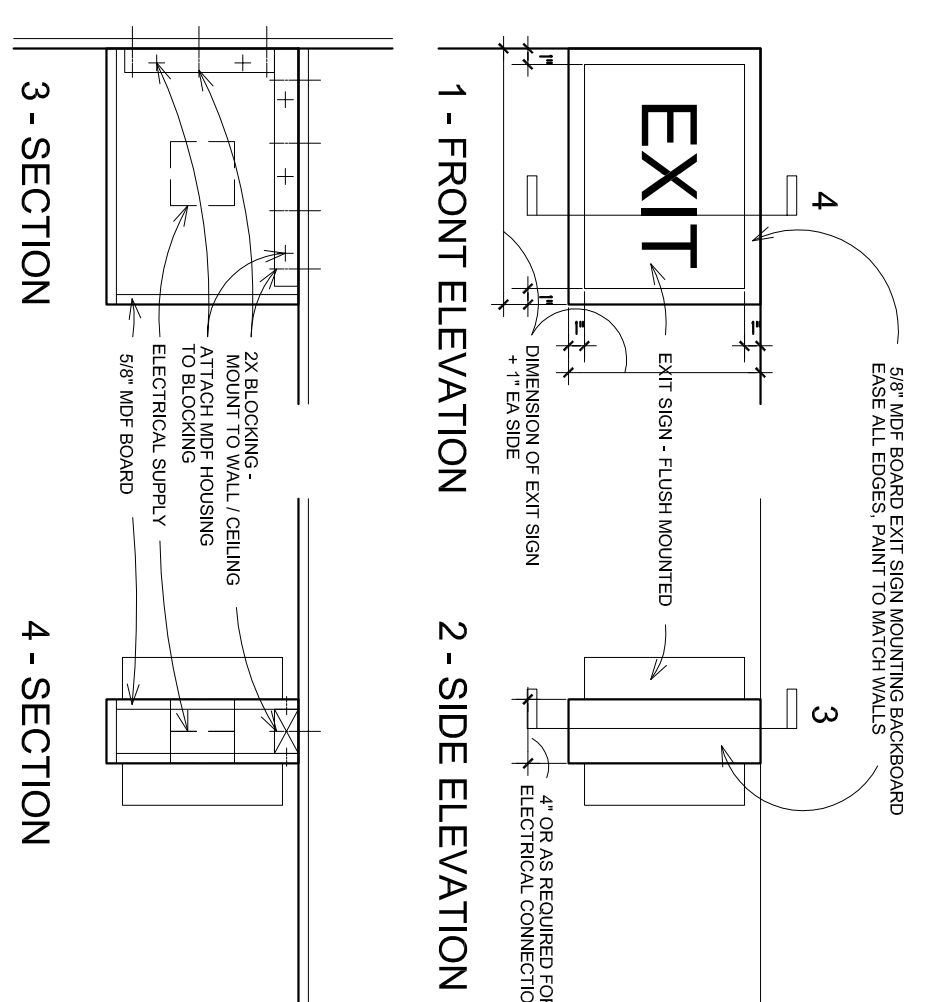
A - ANGLE	FD - FLOOR DRAIN	RECC - RECESSED FIRE EXTINGUISHER CABINET
AB - AMERICAN BRICK INSTITUTE	GALV - GALVANIZED	RM - ROOM
AC - PNL - ACOUSTICAL PANEL CEILING	GA - GAUGE	RO - ROUGH OPENING
AF - ABOVE FINISH FLOOR	GL - GLASS	SCHED - SCHEDULED
ALUM - ALUMINUM	GWB - GLAZED WALL TILE	SEC - SECTION
ATH - ATHLETIC	GWB - GYPSUM WALL BOARD	SEM - SIMILAR
BR - BACKER-ROD	HT - HEIGHT	SPEC - SPECIFICATION
BLK - BLOCK (ING)	HM - HOLLOW METAL	SS - SANITARY SEWER
BD - BOARD	HOR - HORIZONTAL	STD - STANDARD
BM - BOTTOM	INS - INSULATED	STRUCT - STRUCTURAL
BRK - BRICK	INSUL - INSULATION	THK - THICK (NESS)
BLDG BUILDING	JT - JOINT	TILE - TILE
CAB - CABINET	MANUFACTURER	TMP - TEMPERED
CIG - CARPET	MET - METAL	TNT - TINTED
CIG - CEILING	MIN - MINIMUM	TOC - TOP OF CURB
CT - CERAMIC TILE	M.O. - MASONRY OPENING	TOS - TOP OF STEEL
CLR - CLEAR	NC - NOT IN CONTRACT	TOW - TOP OF WALL
COL - COLUMN	NS - NOT TO SCALE	TRZ - TERRAZO
CONC - CONCRETE	OC - ON CENTER	TP - TYPICAL
CMU - CONCRETE MASONRY UNIT	OFICI - OWNER FURNISHED CONTRACTOR INSTALLED	VB - VAPOR BARRIER
CONST - CONSTRUCTION	OPN'G - OPENING	VERT - VERTICAL
CI - CONTROL JOINT	OPN - OPPOSITE HAND	WVC - VINYL WALL COVERING
DETL - DETAIL	PNT - PAINTED	WP - WATERPROOFING
DS - DOWNSPOUT	PART - PARTITION	WFF - WELDED WIRE FABRIC
EA - EACH	PLUS LAM - PLASTIC LAMINATE	WFE - WALL MOUNTED FIRE EXTINGUISHER
EM - EACH WAY	PL - PORCELAIN TILE	W/O - WITH/OUT
EM - ELECTRIC WATER COOLER	PLUG - PLUMBING	WD - WOOD
EX - EXPANSION JOINT	PLYM - PLYWOOD	WR - WROD
EX - EXPOSED	R - RADIIUS	WRF - WELDED WIRE FABRIC
EXT - EXTERIOR	QT - QUARRY TILE	WIN - WINDOW
FIN - FINISH	REC - REPLACE	UNFN - UNFINISHED
FEC - FIRE EXTINGUISHER CABINET	RENF - REINFORCED (ING)	UNO - UNLESS NOTED OTHERWISE
FHC - FIRE HOSE CABINET	RES - RESILIENT	
FLT - FLOAT	RD - ROOF DRAIN	



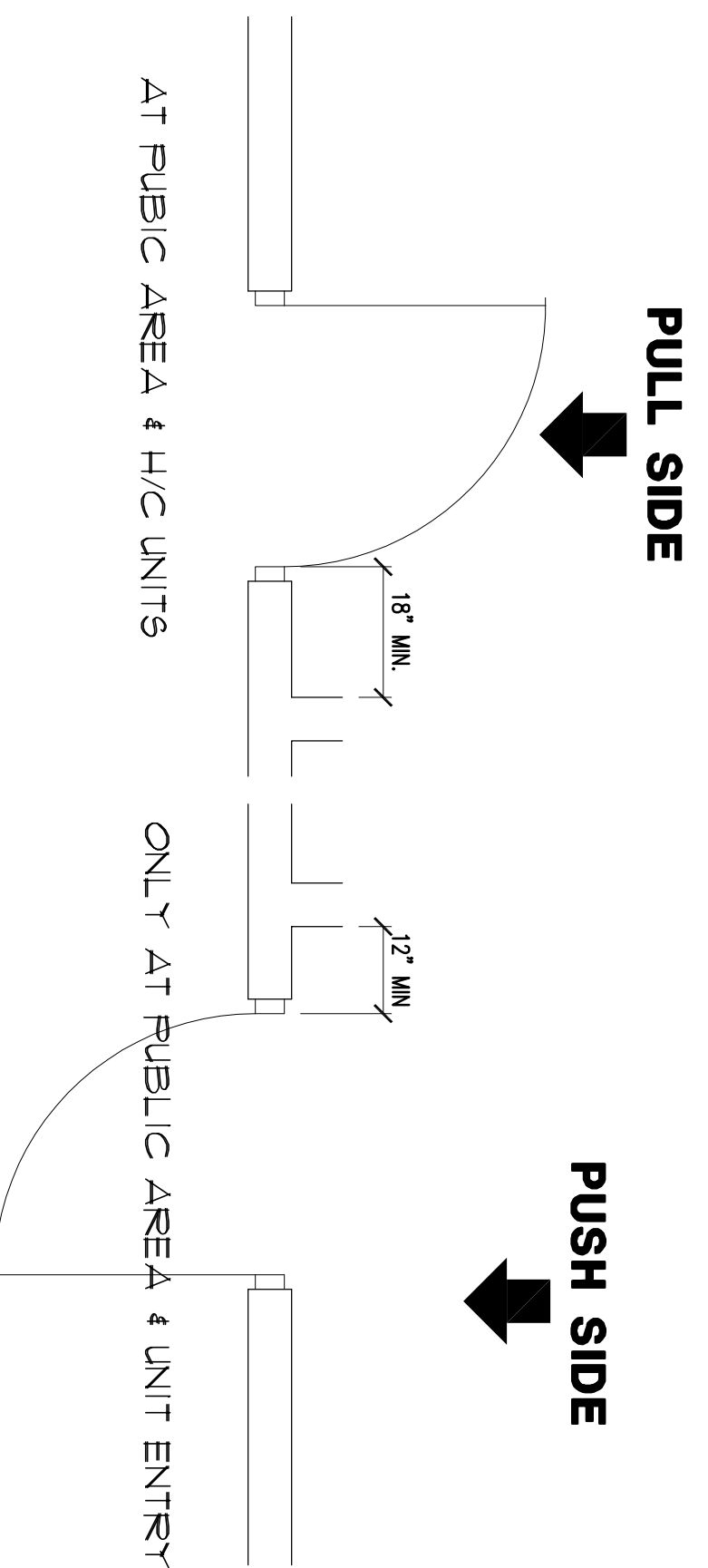
ROOM SIGN DETAIL  
SCALE: 1/2" = 1'-0"



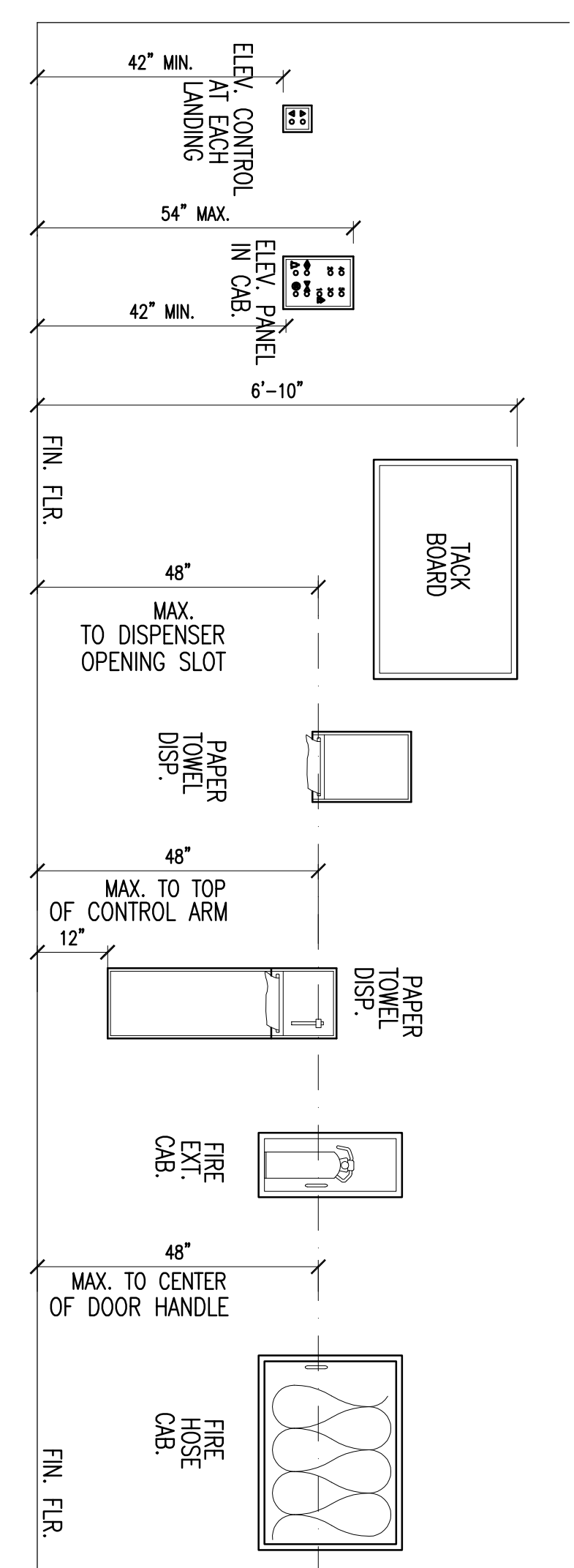
COMMON AREA ROOM SIGNAGE DETAIL  
SCALE: 1/2" = 1'-0"



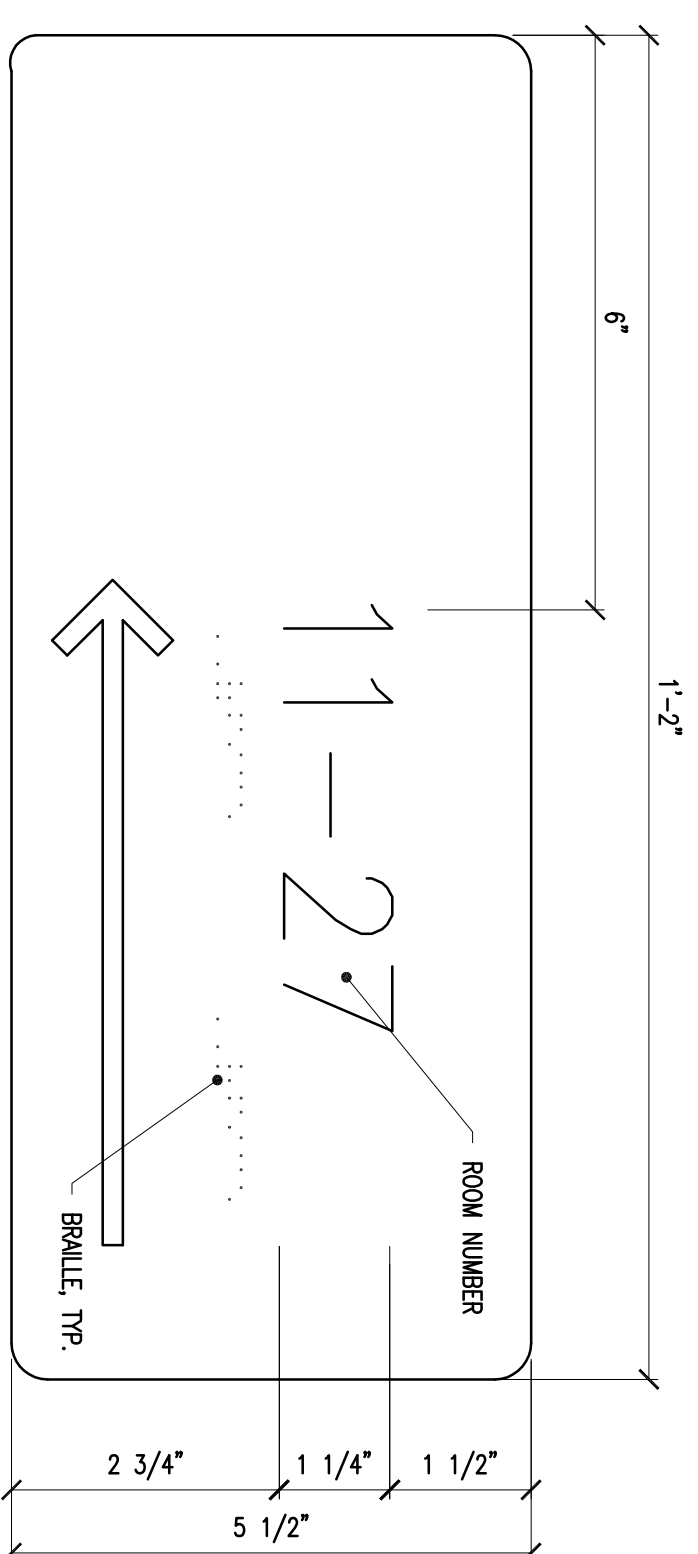
EXIT SIGN MOUNT DETAIL  
SCALE: 1" = 1'-0"



DOOR W/ CLOSER CLEARANCES  
SCALE: 1/2" = 1'-0"

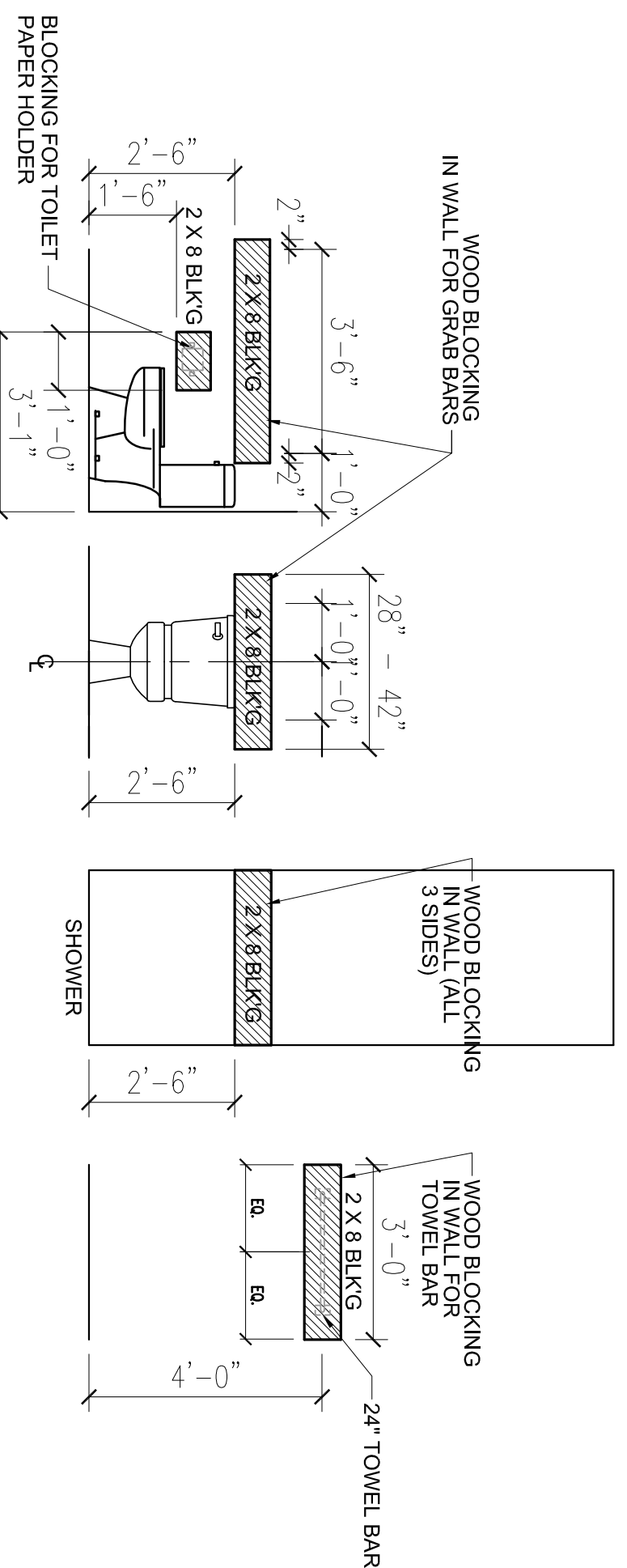


VARIOUS MOUNTING HEIGHTS  
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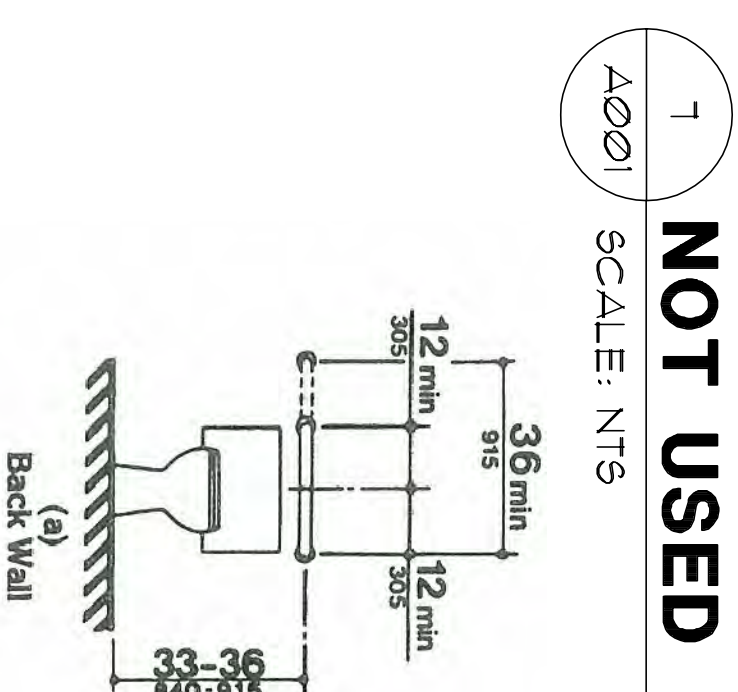


NOTE  
ALL SIGNAGE SHALL BE APPROVED BY OWNER.

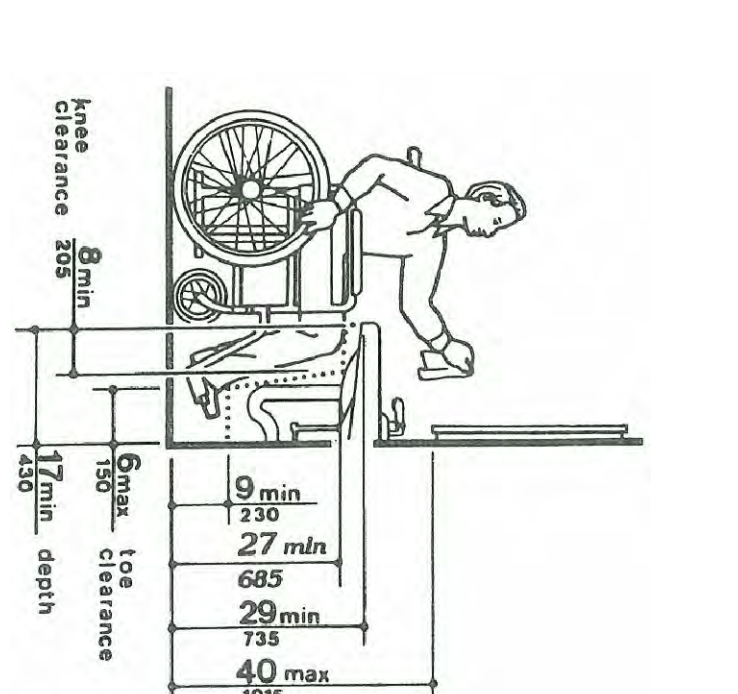
DIRECTIONAL SIGN  
SCALE: 1/2" = 1'-0"



TYPICAL BLOCKING FOR GRAB BARS AND ACCESSORIES AT ALL BATHROOMS  
SCALE: 3/8" = 1'-0"



GRAB BAR LOCATIONS AT TOILET  
SCALE: NTS



LAVATORY CLEARANCES  
SCALE: NTS

REFER UNIT PLAN/ELEVATIONS FOR GRAB BAR CONTROL & SEAT LOCATION FOR HANDICAP SHOWER

NOT USED  
SCALE: NTS

Revision	Description	Date
1	As Issued	2/10/11
2	As Issued	2/21/11
3	As Issued	4/11/11
4	As Issued	4/15/11

ABBREVIATION, SIGN & TYPICAL DETAILS  
A001



Structural Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

Structural Consultant Group  
6250 SHILTON ROAD SUITE 330  
LITTLE ROCK, AR 72209  
Phone: 501-221-3300  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shadeden Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-0292  
Contact: VERN SMITH

ALLEN WILSON III, P.  
750 Commerce Drive  
Decatur, Georgia 30030

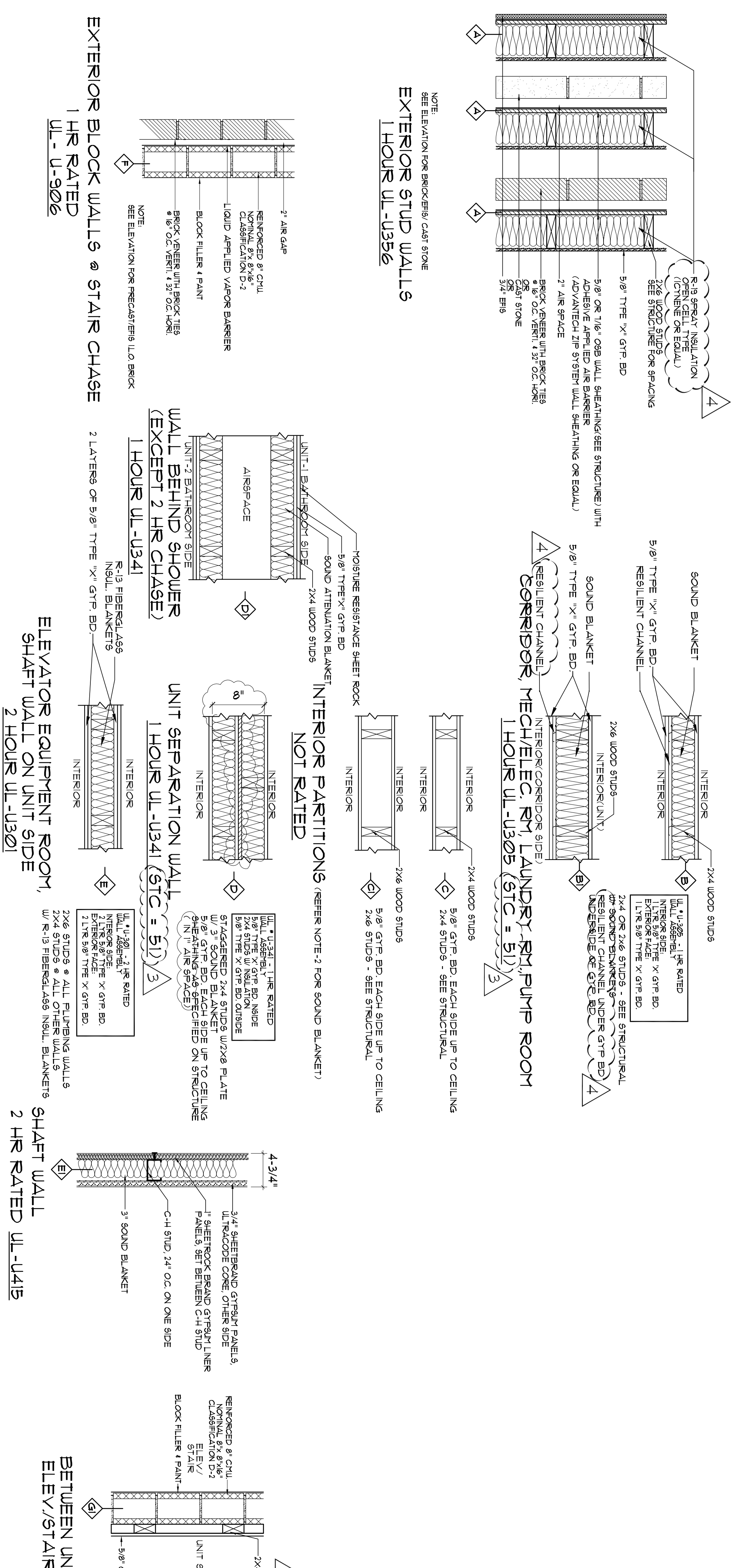
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Commerce Drive  
Decatur, Georgia

OLIVER HOUSE



2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.253.4488 F: 404.253.7361 LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

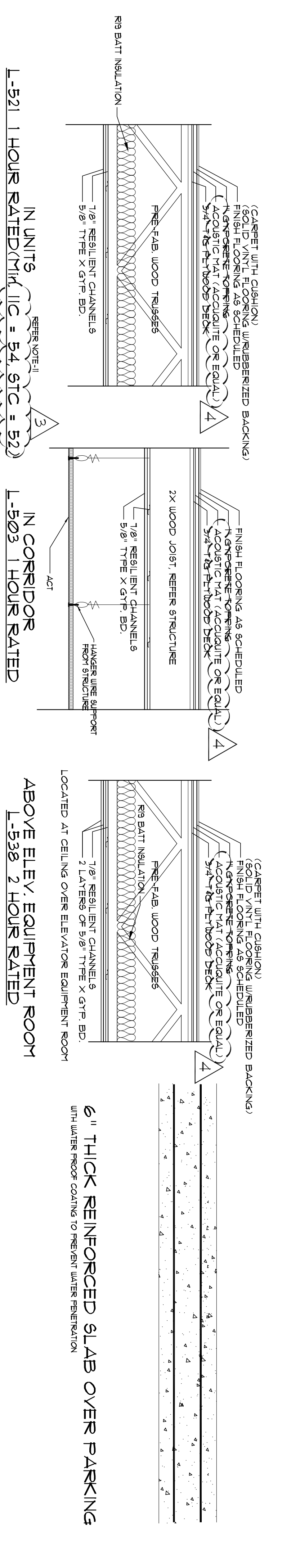
# Wall Types



## NOTES:

1. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL WEFT LOCATIONS LIKE BATH, LAUNDRY, W/ET, SINK, AND SINKER & WHERE REQUIRED BY CODE.
2. ALL WALLS SEPARATING BATHROOM LIVING ROOM AS WELL AS RELOC. AREAS SHALL HAVE 3" SOUND ATTENUATION BLANKET.
3. ALL BRICK SHALL BE MODULAR SIZE, COLOR AS SELECTED BY OWNER/ARCHITECT.
4. ALL UNITS SHALL BE CONSTRUCTED IN COMPLIANCE OF FAIR HOUSING ACT INCLUDING GRAB BAR BLOCKING SHOWN ON AD001 & INTERNAL ELEVATIONS.
5. ALL LOAD BEARING WALLS ARE MIN. 1 HR RATED. REFER STRUCTURE PLANS FOR LOAD BEARING WALL LOCATIONS.
6. ALL EXPOSED LIGHT WEIGHT CONCRETE TOPPING SHALL BE WITH BROOK FINISH.
7. ALL PLUMBING WALLS SHALL BE WITH MIN. 2X6 OR DOUBLE 2X4. CO-ORDINATE WITH PLUMBING FOR LOCATIONS.
8. PROVIDE 24" DISTANCE BETWEEN BACK TO BACK RECEP/TACLES IN WALL.
9. FOR ANY RECESSED MEDICAL CABINET/FIRE EXT. CABINET IN FIRE RATED WALL, PROVIDE 2 LAYERS TYPE "X" GYP. BD TO MAINTAIN FIRE RATING.
10. CALLK SHOWER SURROUND EDGES WITH SILICONE CALK.
11. PROVIDE R-9 BATT INSULATION AT ANY OVERHANG CONDITIONED SPACE IE. BAY WINDOWS.
12. PROVIDE 3/4" PLYWOOD BEHIND ALL PANEL BOARDS & DATA/TV BOARD. REFER ELECTRICAL LOW VOLTAGE PLANS FOR LOCATIONS.
13. CONTRACTOR SHALL STORE FULL ROLL OF EACH CARPET STYLE IN ATTIC FOR OWNER AT NO EXTRA COST.
14. ALL BATHROOMS SHALL HAVE WATER RESISTANT MEMBRANE OR RECESSED UNDER FLOOR FINISH AS PER MANUFACTURERS RECOMMENDATION.
15. ALL BATHROOMS SHALL HAVE WATER RESISTANT GYPSUM BOARD (TYPE "X") BLOCKING FOR FUTURE CEILING FAN AND REQUIRED LIGHT FIXTURE. CO-ORDINATE W/ ELECTRICAL SUBS.
16. ALL UPPER FLOOR AREA SHALL HAVE 1/2" SOUND MAT UNDER GYPSOCRE IN ADDITION TO THAT ALL SOLID VINT. FLOORING SHALL BE WITH ENVIRONMENT SOUND BACKING (3/4" THICK) PROVIDE RADON VENTING PIPES UNDER FOOTING. REFER PLUMBING DOCUMENTS FOR DETAIL.

# Floor-Ceiling Assembly



# Roof-Ceiling Assembly



30" YR ARCHITECTURAL SHINGLES  
5/8" APA RATED ROOF SHEATHING WITH ADHESIVE APPLIED MOISTURE BARRIER (ADVANTAGE ZIP SYSTEM ROOF SHEATHING OR EQUAL)

3/8" TYPE X GYP. BD. COVER  
7/8" FURRING CHANNELS  
TYPE @ 4 STORY BUILDING  
1 HR RATED UL-FB22

3/8" APA RATED ROOF SHEATHING WITH ADHESIVE APPLIED MOISTURE BARRIER (ADVANTAGE ZIP SYSTEM ROOF SHEATHING OR EQUAL)

R-9 SPREAD INSULATION (IGNITE OR EQUAL) OPEN CELL, TYPE WITH IGNITION BARRIER NO RIDGE OR SOFT VENT

1/4" PER FT. JOIST

5/8" EXTERIOR GRADE SHEETROCK/DENS GLASS GOLD WITH HARD COAT STUCCO FINISH

AT CANOPIES OVER ALL ENTRIES

ALLEN WILSON  
750 Commerce Drive  
Dacula, Georgia 30030

ALLEN WILSON III, P.  
750 Commerce Drive  
Dacula, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Dacula, Georgia

**HADDP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7381 | LIC. NO. AA 000242  
E: info@haddp.com | www.haddparchitect.com

2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7381 | LIC. NO. AA 000242  
E: info@haddp.com | www.haddparchitect.com

KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KELLEY

STRUCTURAL CONSULTING GROUP  
6250 SHILTON RD SUITE 330  
LITHIA SPRING, GA 30059  
PH: 770-441-5000  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shadedwood Road, Suite 200  
Norcross, GA 30092 Phone: 770-448-0282  
Contact: VERNI SMITH

STATE OF GEORGIA  
REGISTERED ARCHITECT  
1908

KEY PLAN

NO.	REVISION	DATE
1	ADD	2/10/11
2	ADD	2/10/11
3	ADD	4/11/11
4	ADD	4/15/11

Project No: A109132.00  
Date: August 1, 2011

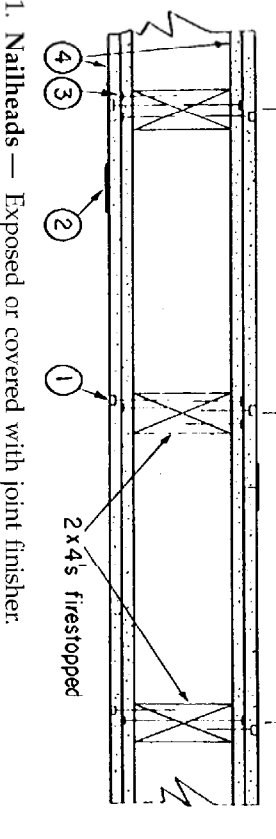
**WALL, CEILING & ROOF ASSEMBLIES**

**A0.02**

Professional of Record: Stewart Allen  
Professional Registration No: CA 3015



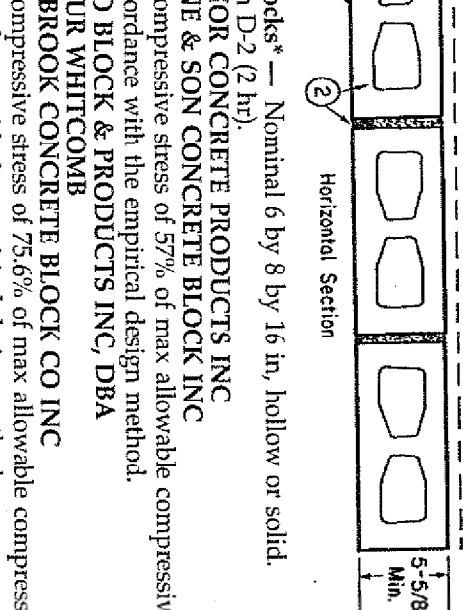
Design No. U301  
Beating Wall Rating - 2 HR.  
Finish Rating - 66 Min.



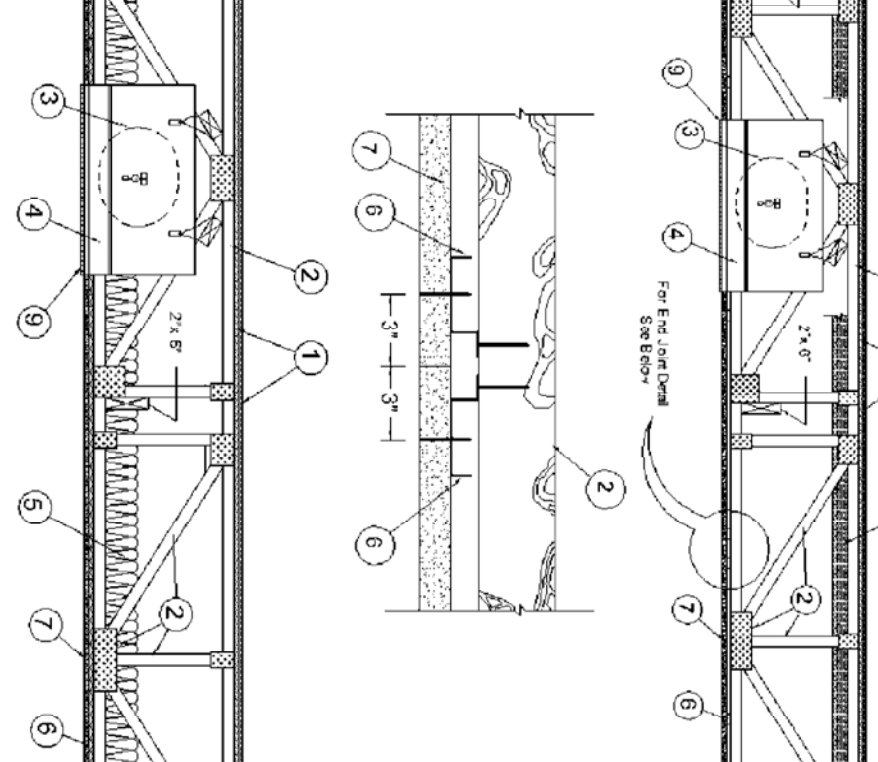
- 1. Nailheads - Exposed or covered with joint finisher. As per 2.
2. Johns Expanding Metal Mesh - As per manufacturer's instructions.
3. Nails - 6d cement coated nails 17/8 in. long, 0.0915 in. stake diam.
4. Gypsum Board - 5/8 in. thick, two layers applied either horizontal or vertically.
5. Steel Framing Members - (Item 6) are used base layer attached to framing channels with 1 in. long Type 5 bangle-head steel screws.

- 6. Steel Framing Members - (Not Shown) - Flurring channels and resilient sound insulation clip as described below.
7. Furring Channels - Formed of No. 25 MSG steel 2-3/8 in. wide and 1/2 in. deep.
8. Resilient Sound Insulation Clip - As per manufacturer's instructions.
9. Sheetrock - 5/8 in. thick, two layers applied either horizontal or vertically.

- 10. Furring Channels - Formed of No. 25 MSG steel 2-3/8 in. wide and 1/2 in. deep.
11. Resilient Sound Insulation Clip - As per manufacturer's instructions.
12. Sheetrock - 5/8 in. thick, two layers applied either horizontal or vertically.



Design No. L221  
Unrestrained Assembly Rating - 1 HR.  
Finish Rating - 25 Min (See Items 3 and 3A)



- 1. Flooring System - The flooring system shall consist of one of the following:
System No. 1
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 2
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.
System No. 3
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered.

- System No. 4
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.
System No. 5
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered.

System No. 5  
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 6
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.
System No. 7
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered.

- System No. 8
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.
System No. 9
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered.

- System No. 10
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 11
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

System No. 12  
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 13
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.
System No. 14
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered.

- System No. 15
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 16
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 17
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

System No. 18  
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 19
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 20
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 21
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 22
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

System No. 23  
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 24
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 25
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 26
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 27
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

System No. 28  
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

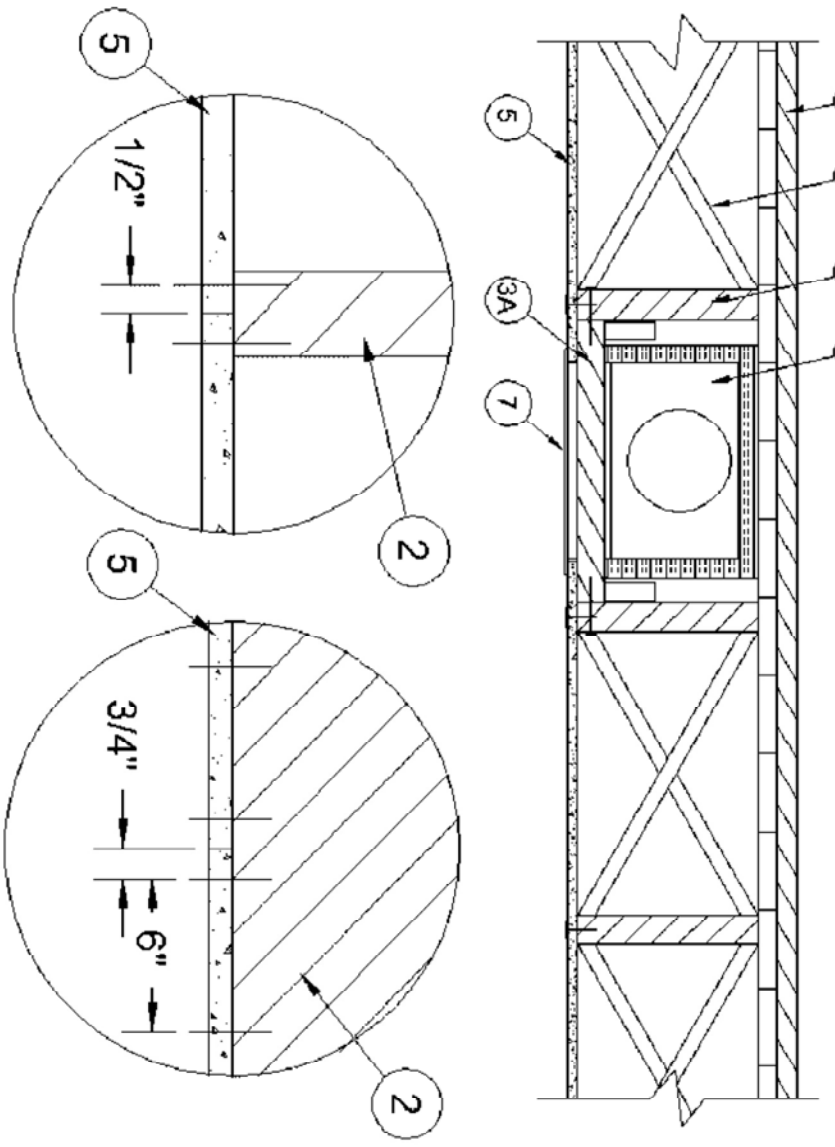
- System No. 29
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 30
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 31
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

- System No. 32
Subflooring - Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss.

**Design No. L503**  
**Unrestricted Assembly Rating — 1 Hr.**  
**Finish Rating — 19 Min.**



1. **Flooring System** — The flooring system shall consist of one of the following:

- System No. 1**  
**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick or 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Finish Flooring** — Min 1 by 4 in. T & G lumber fastened perpendicular to joists, or min 19/32 in. thick wood structural panels, min grade "Underlayment" or "Single Floor". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.  
**System No. 2**  
**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Vapor Barrier (Optional)** — Nom 0.030 in. thick commercial asphalt saturated felt.  
**Finish Flooring - Floor Topping Mixture\*** — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.  
**ELASTIZELL CORP OF AMERICA** — Type FF  
**System No. 3**  
**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Vapor Barrier (Optional)** — Nom 0.030 in. thick commercial asphalt saturated felt.  
**Floor Mat Materials\* - (Optional)** — Nom 1/4 in. thick floor mat material adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of floor-topping mixture. Floor topping thickness shall be as specified under **Floor Topping Mixture**.  
**HACKER INDUSTRIES INC** — Type Sound-Mat  
**Finish Flooring - Floor Topping Mixture\*** — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand.  
**HACKER INDUSTRIES INC** — Firm-Fill Gypsum Concrete,

Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant

**System No. 4**

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Vapor Barrier (Optional)** — Nom 0.030 in. thick commercial asphalt saturated felt.  
**Finish Flooring - Floor Topping Mixture\*** — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 62.5 lb of pea gravel, 312.5 lbs of sand with 5-1/2 gal of water.  
**LITE-CRETE INC** — Type I

**System No. 5**

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.

**Finish Flooring - Floor Topping Mixture\*** — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1200 psi and a cast density of 105 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand, 5 oz Type N fiber, 4 oz Component Z with 5.4 gal of water.  
**ELASTIZELL CORP OF AMERICA** — Type ZC

**System No. 6**

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Finish Flooring - Floor Topping Mixture\*** — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Mixture shall consist of 5 to 8 gal of water to 80 lbs of floor topping mixture to 2.1 cu ft of sand.  
**ULTRA QUIET FLOORS** — UQF-A, UQF-Super Blend, UQF-Plus 200

**System No. 7**

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Floor Mat Materials\* - (Optional)** — Nom 1/4 in. thick floor mat material laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness shall be as specified under **Floor Topping Mixture**.  
**MAXXON CORP** — Type Acoust-Mat II  
**Metal Lath** — For use with floor mat material, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material.  
**Finish Flooring - Floor Topping Mixture\*** — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1200 psi. Mixture shall consist of 4 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.4 to 1.9 cu ft of sand.  
**RAPID FLOOR SYSTEMS** — Type RF, RFP, RFL, RFR, Otcrete

**System No. 8**

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Floor Mat Materials\* - (Optional)** — Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness shall be as specified under **Floor Topping Mixture**.  
**MAXXON CORP** — Type Acoust-Mat II  
**Metal Lath** — For use with floor mat material, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material.  
**Finish Flooring - Floor Topping Mixture\*** — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1200 psi. Mixture shall consist of 4 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.4 to 1.9 cu ft of sand.  
**RAPID FLOOR SYSTEMS** — Type RF, RFP, RFL, RFR, Otcrete  
**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Floor Mat Materials\* - (Optional)** — Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be

applied to the surface of the mat prior to the floor topping placement. Floor topping thickness shall be as specified under **Floor Topping Mixture**.

**MAXXON CORP** — Type Acoust-Mat II

**Metal Lath** — For use with floor mat material, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material.  
**Finish Flooring - Floor Topping Mixture\*** — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Mixture shall consist of 3 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.0 to 2.1 cu ft of sand.  
**MAXXON CORP** — Type D-C, G-C, GC, GC 2000, L-R, T-F, CT

**System No. 9**

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.

**Finish Floor - Mineral and Fiber Board\*** — Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent sub-floor joints.  
**HOMASOTE CO** — Type 440-32 Mineral and Fiber Board

**System No. 10**

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier - (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Vapor Barrier (Optional)** — Nom 0.030 in. thick commercial asphalt saturated felt.  
**Finish Flooring - Floor Topping Mixture\*** — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5.5 gal of water.  
**CELLULAR CONCRETE L L C** — Floor-Topping Mixture

**System No. 11**

**Subflooring** — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.  
**Vapor Barrier (Optional)** — Nom 0.010 in. thick commercial rosin-sized building paper.  
**Finish Flooring - Floor Topping Mixture\*** — Min 1 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.  
**ALILED CUSTOM GYPSUM PLASTERWORKS L L C** — Accu-Crete

2. Wood joists — Min 2 by 10, spaced 16 in. OC and effectively fire-blocked in accordance with local codes.
3. Cross Bridging — Min 1 by 3 in. or min 2 by 10 solid blocking.
- 3A. Horizontal Bridging — Used in lieu of Item 3 in same joist bay as ceiling damper (Item 4), when ceiling damper is employed. Wood 2 by 4 in. secured between joists with nails.
4. Ceiling Damper\* (Optional) — Max nom area shall be 198 sq in. Max rectangular size shall be 12 in. by 16-1/2 in. Max height of damper shall be 8-3/4 in. Aggregate damper openings shall not exceed 198 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturer's installation instructions provided with the damper. A steel grille (Item 7) shall be installed in accordance with installation instructions.

- NCA MFG INC — Models CD-5/R-HC, CD-RD-HC
- NCA MFG LTD — Models CD-5/R-HC, CD-RD-HC
- RUSKIN CO — Model CFD7
- 5. Gypsum Board\* — Nom 1/2 in. thick, 4 ft wide gypsum board installed with long dimension perpendicular to joists and secured with 1-5/8 in. long, 5d cement coated nails spaced 6 in. OC. Nails spaced 3/4 and 1/2 in. from side and end joints.
- AMERICAN GYPSUM CO — Type AG-C
- BBB AMERICA INC — Type FRPC or SF3 or ProRoc Type C
- G-P GYPSUM CORP SUB OF GEORGIA-PACIFIC CORP — Types 5, C, GPRSI, DAP, DA.

**LAARGE NORTH AMERICA INC** — Types LCFE3, LCFE-C, LCFE-C/A

- NATIONAL GYPSUM CO — Types FSK-1, FSK-C, FSK-G, FSK-1, FSK-C, FSK-G,
- PARCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC — Types PG-1, PG-3, PG-C
- STANDARD GYPSUM L L C — Type SGC-1, SG-C or SGC-G, or VPP-1, Type I.

6. **Finishing System** — Vinyl, dry or pre-mixed joint compound, applied in two coats to joints and screw-heads, Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.  
7. **Grille** — Steel grille, installed in accordance with the installation instructions provided with the ceiling damper.  
\*Bearing the UL Classification Mark

ALLEN WILLSON III L.P.  
750 Commerce Drive  
Dacula, Georgia 30020

**HADDP ARCHITECTURE, INC.**  
2722 PIEDMONT RD NE #1 ALUMA1 | GEORGIA 30266  
1-404-253-4488 | F-404-253-7381 | LIC. NO. AA 000242  
E:info@haddp.com | W:www.haddp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6250 SHILTON RD SUIT 330  
LITTLE ROCK, AR 72095  
Project: FLOORING ASSEMBLY  
Contact: JOHN FLANNAGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SHALA**  
4275 Stockwood Road, Suite 200  
Norcross, GA 30092  
770-447-5547 Fax: 770-444-8282  
Contact: VERN SMITH

Revision	No.	Description	Date
1	1	As Noted	2/10/11
2	2	As Noted	2/21/11
3	3	As Noted	4/11/11
4	4	As Noted & Coordination	4/15/11

Scale: As Shown

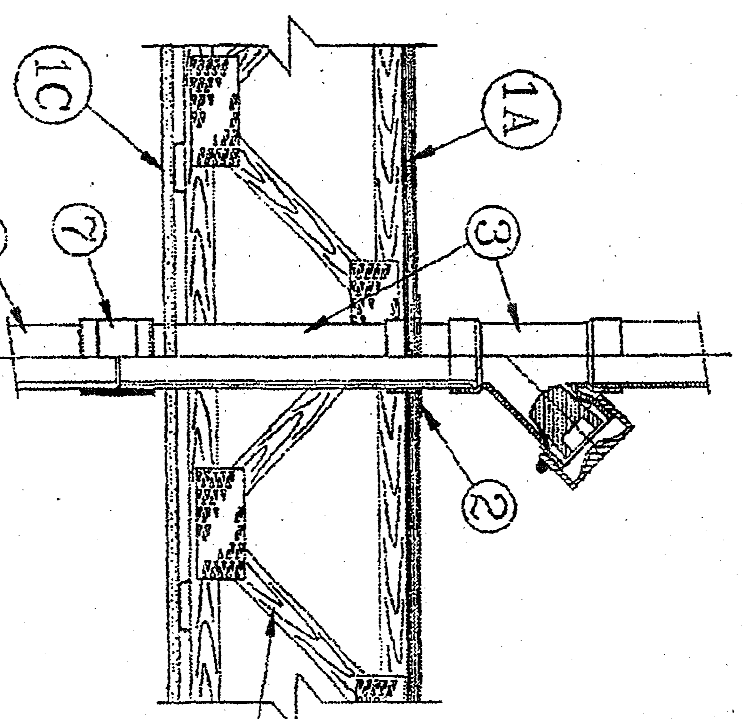
Drawn Title: **UL LISTING: FLOOR-CEILING ASSEMBLY (L503)**

Sheet Number: **A0.05**

**Professional of Record:** Stewart Allen  
Professional Registration No. CA 3015  
Noted: This drawing contains information to the state authorities for the production of a permit.  
Scale: As Shown

# PLASTIC PIPING-FC2011

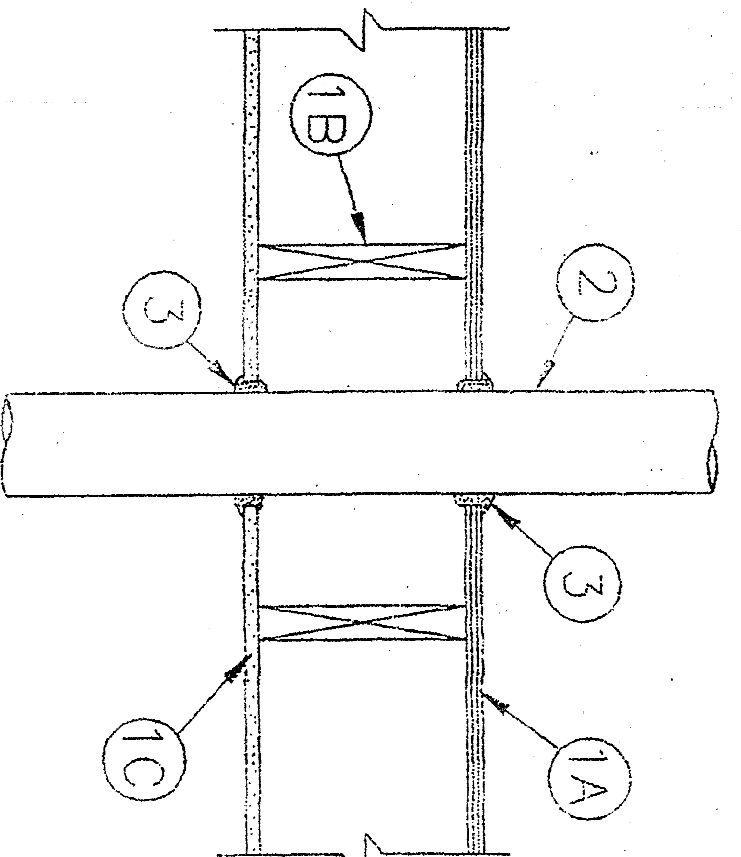
System No. FC-2011  
(Formerly System No. 169)  
F Rating—1 Hr  
T Rating—1 Hr



- Floor-Ceiling Assembly**—The fire-rated solid or trussed lumber joist assembly shall be constructed of the materials and in the manner specified in the individual U300 Series Floor-Ceiling Designs in the U Fire Resistance Directory, as summarized below:
  - Individual Floor-Ceiling Design**—The design shall include the following construction features:
    - Flooring System**—lumber or plywood subfloor with finish floor of lumber, plywood or floor topping mixture, as specified in the U Fire Resistance Directory.
    - Joists**—nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or structural wood members with hangers as required and with ends fastened.
    - Wallboard**—gypsum wallboard of 5/8 in. thickness, type, number of layers and fasteners specified in the U Fire Resistance Directory.
    - Wallboard Gypsum**—nom 4 ft wide by 5/8 in. thick, screw-attached installed perpendicular to bottom chord of trusses.
    - Stud**—nom 2 by 6 in. or parallel 2 by 4 in. lumber studs, tightly butted.
    - Top Plate**—The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted, with a minimum of 1 in. overlap.
    - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.
    - Firestop System**—The details of the firestop system shall be as follows:
      - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.
      - Firestop System**—The details of the firestop system shall be as follows:
        - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.
        - Firestop System**—The details of the firestop system shall be as follows:
          - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.

# DRYER VENTS/BATH FANS-FC1001

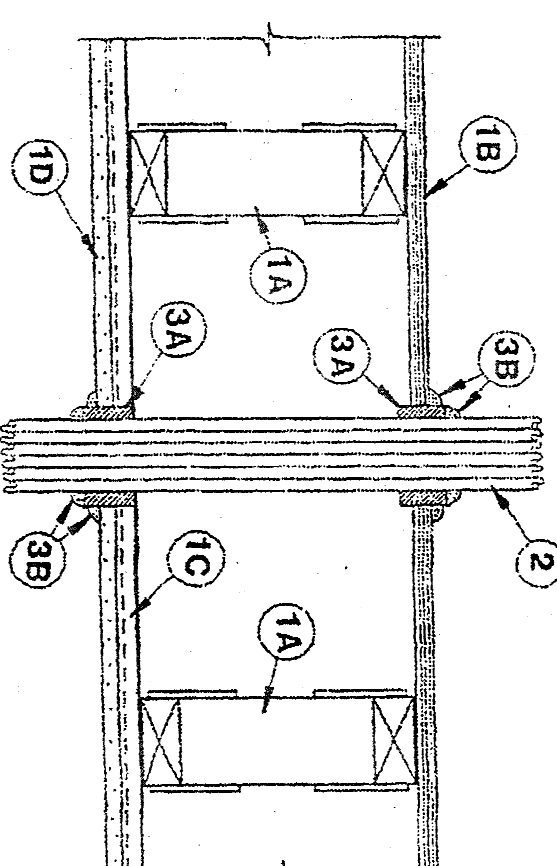
System No. FC-7001  
(Formerly System No. 169)  
F Rating—1 Hr  
T Rating—1/2 Hr



- Floor-Ceiling Assembly**—The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual U300 Series Floor-Ceiling Designs in the U Fire Resistance Directory, as summarized below:
  - Individual Floor-Ceiling Design**—The design shall include the following construction features:
    - Flooring System**—lumber or plywood subfloor with finish floor of lumber, plywood or floor topping mixture, as specified in the U Fire Resistance Directory.
    - Joists**—nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or structural wood members with hangers as required and with ends fastened.
    - Wallboard**—gypsum wallboard of 5/8 in. thickness, type, number of layers and fasteners specified in the U Fire Resistance Directory.
    - Wallboard Gypsum**—nom 4 ft wide by 5/8 in. thick, screw-attached installed perpendicular to bottom chord of trusses.
    - Stud**—nom 2 by 6 in. or parallel 2 by 4 in. lumber studs, tightly butted.
    - Top Plate**—The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted, with a minimum of 1 in. overlap.
    - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.
    - Firestop System**—The details of the firestop system shall be as follows:
      - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.
      - Firestop System**—The details of the firestop system shall be as follows:
        - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.

# WIRING-FC3008

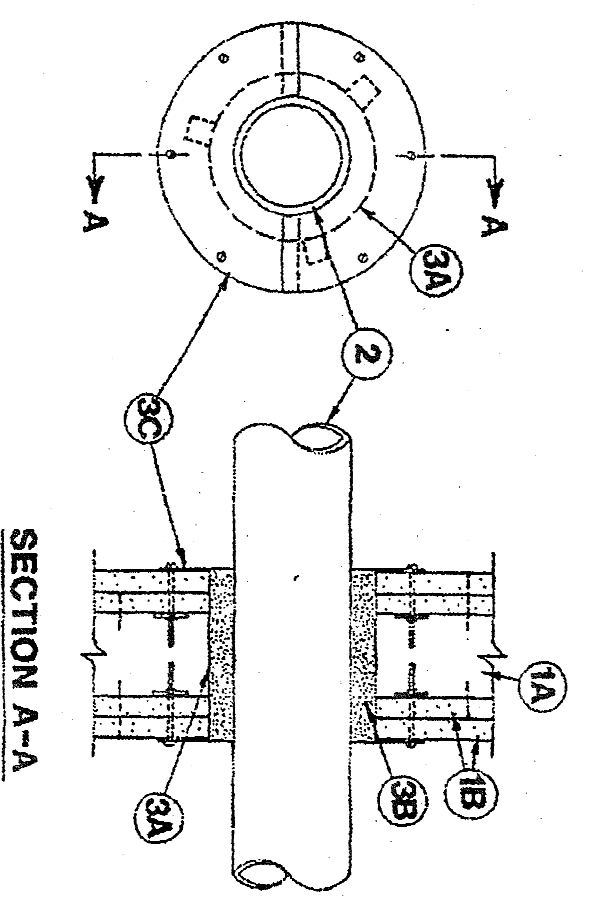
System No. FC-3008  
(Formerly System No. 452)  
F Rating—1 Hr  
T Rating—1 Hr



- Floor Assembly**—The 1 hr fire-rated gypsum wallboard or combination wood and steel truss floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual U300 Series Floor-Ceiling Designs in the U Fire Resistance Directory, as summarized below:
  - Individual Floor-Ceiling Design**—The design shall include the following construction features:
    - Flooring System**—lumber or plywood subfloor with finish floor of lumber, plywood or floor topping mixture, as specified in the U Fire Resistance Directory.
    - Joists**—nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or structural wood members with hangers as required and with ends fastened.
    - Wallboard**—gypsum wallboard of 5/8 in. thickness, type, number of layers and fasteners specified in the U Fire Resistance Directory.
    - Wallboard Gypsum**—nom 4 ft wide by 5/8 in. thick, screw-attached installed perpendicular to bottom chord of trusses.
    - Stud**—nom 2 by 6 in. or parallel 2 by 4 in. lumber studs, tightly butted.
    - Top Plate**—The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted, with a minimum of 1 in. overlap.
    - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.
    - Firestop System**—The details of the firestop system shall be as follows:
      - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.
      - Firestop System**—The details of the firestop system shall be as follows:
        - Fill**—void or cavity materials—caulk or putty—applied to fill the space between the top plate and the joists.

# PLASTIC PIPING-WL2012

System No. WL-2012  
(Formerly System No. 189)  
F Rating—2 Hr  
T Rating—1-1/2 Hr



- Wall Assembly**—The fire-rated gypsum wallboard/ceiling wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the U Fire Resistance Directory and shall include the following construction features:
  - Stud**—Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. on center. Steel studs to be min 5-1/2 in. wide and spaced nom 5/8 in. on center.
  - Wallboard/Gypsum**—two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual U300 Series Wall and Partition Designs.
  - Nonmetallic Pipe**—nom 3 in. diam (or smaller) SMRT chlorinated polyethylene (CPE) pipe for use in closed process or supply systems, or nonmetallic pipe of equivalent strength and stiffness, as required within the firestop system.
  - Firestop System**—The firestop system shall consist of the following:
    - Metallized Sleeve**—nom 5 in. diam (or smaller) steel sleeve with nom 3/4 in. by 3/4 in. long tabs to retain putty in position. Sleeve manufacturer's length of sleeve shall be equal to thickness of wall through opening, including the cut through the opening and recessing assembly. An alternative sleeve may be field fabricated from 0.016 in. thick galv steel in accordance with instructions sheet supplied by pipe manufacturer.
    - Putty**—min 5 in. thickness of fill material applied within the metallized sleeve and to the wall, additional material applied within the sleeve to the depth of min 3/8 in. being around the penetrating item.
    - Thin Ring**—nom 8 in. diam by 0.016 in. (No. 30 gauge) thick galv steel ring spaced from putty manufacturer. Ring supplied in two sections and position together with a min 1/2 in. overlap. Ring shall be secured to the wall by min 5/8 in. diam by 2 in. long steel wall anchors, equally spaced.

# ALLEN WILSON III, P.

750 Commerce Drive  
Decatur, Georgia 30030

# OLIVER HOUSE

Commerce Drive  
Decatur, Georgia

# HADP ARCHITECTURE, INC.

2722 PIEDMONT RD NE 1 ATLANTA, GEORGIA 30305  
T: 404.253.4488 F: 404.253.7385 E: ALA002642  
E: hadp@hadp.com | www.hadp-architecture.com

# KIMLEY HORN AND ASSOCIATES, INC.

817 West Peachtree Street  
The Biltmore, Georgia 30308  
Contact: MARK KELBY  
Atlanta, Georgia 404-201-6122

# STRUCTURAL CONSULTING GROUP

6520 SHILTON ROAD SUITE 300  
LITTLE ROCK, AR 72116  
PH: 501-782-1500  
Contact: JOHN FLANNAGAN

# Berkoff, Macdonald, Fleming & The Production Engineer

JORDAN & SHAW  
4275 Shepherds Road, Suite 200  
Nacogdoches, GA 30058  
770-647-5547 Fax: 770-648-0292  
Contact: VERN SMITH



# KEY PLAN

Revision	Description	Date
1	Submitted & coordinated	4/15/11
2	CG Review Comments	4/11/11
3	Advised/rev	2/21/11
4	As-built	2/10/11

Proj Name	Date
AW09132.00	August 1, 2011

# UL LISTING: FIRE PENETRATIONS

# A0.06

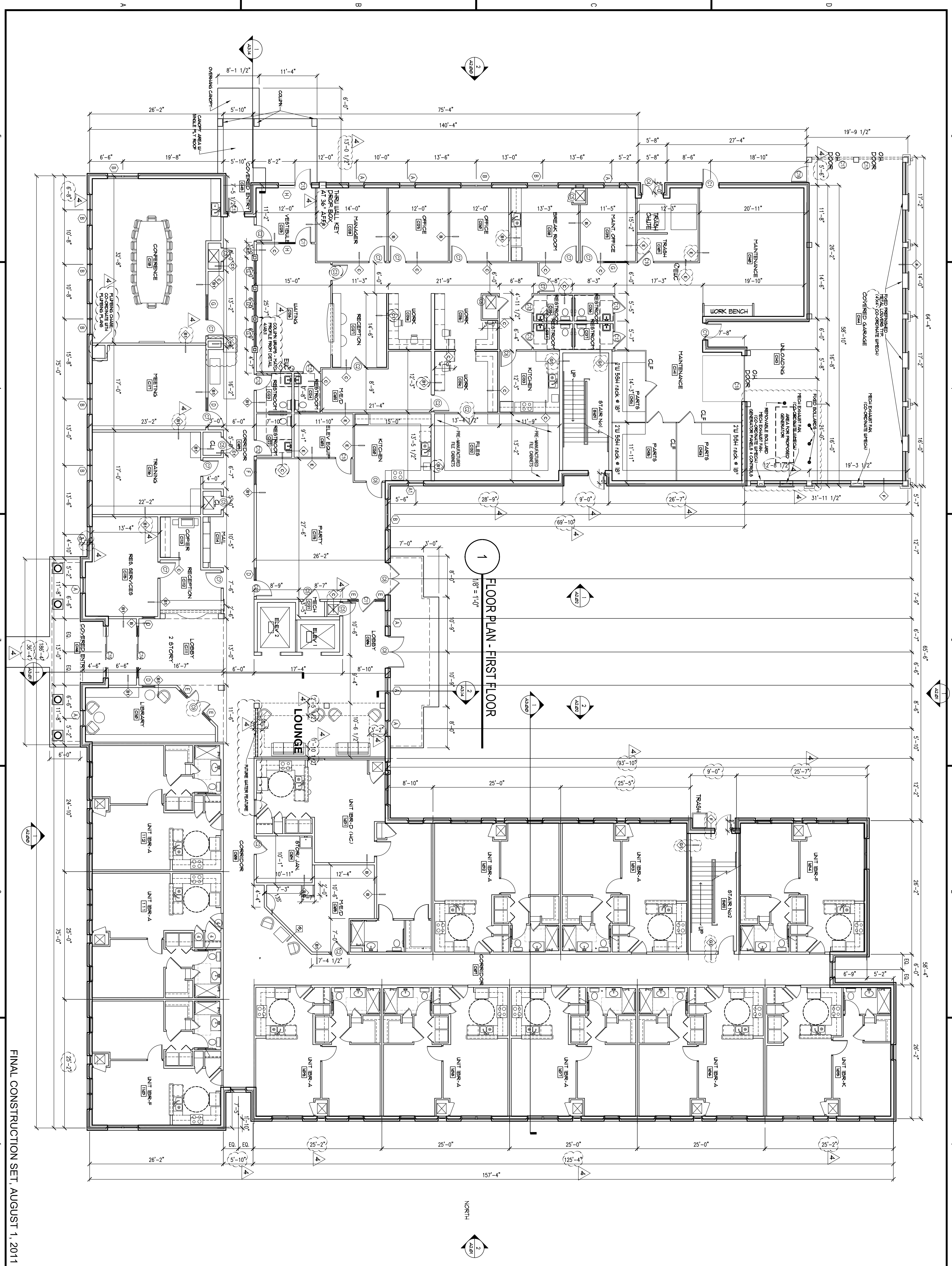
Professional of Record: Stewart Klein  
Professional Registration No. CA 3015  
State: California  
This listing certifies compliance with the product of the UL listing program. The listing is the result of a field test of the product in the presence or absence of fire. The listing is not a guarantee of performance or a warranty. The listing is the property of UL and is used under license. The listing is not to be used for any other purpose.











ALLEN WILSON III L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
 Commerce Drive  
 Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
 ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 000242  
 E: info@hadp.com | www.hadp-architecture.com

Structural Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

Structural Consultant  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILTON RD SUITE 330  
 PLUMMER LAKE, GA 30085  
 Phone: 770-424-5547  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Stonehaven Road, Suite 200  
 Norcross, GA 30092  
 770-441-5547 Fax: 770-444-8282  
 Contact: VERN SMITH



Revision	Description	Date
1	As Issued	2/10/11
2	As Issued	2/21/11
3	As Issued	4/11/11
4	As Issued	4/15/11

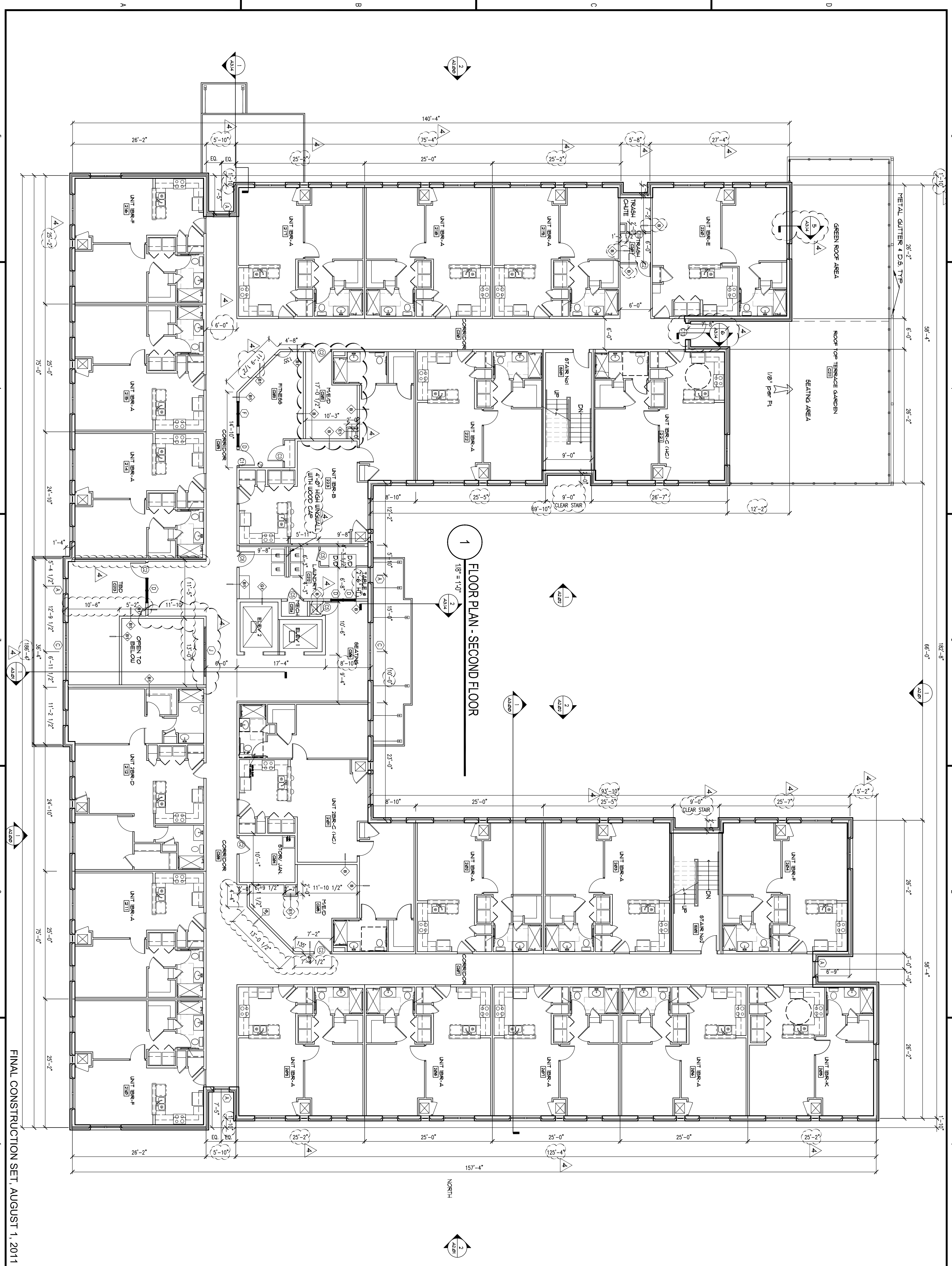
Scale: 1/8" = 1'-0"  
 Date: August 1, 2011

**FLOOR PLAN - FIRST FLOOR**

**A1.01**

Professional of Record: Stewart Allen  
 Professional Registration No. GA 30515

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**ALLEN WILSON III L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7361 | LIC. NO. AA 0002442  
E: info@hadp.com | www.hadp-architecture.com

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**Civil Engineer**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**Structural Engineer**  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD SUITE 330  
LITTLE ROCK, AR 72093  
Phone: 501-221-3000  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Stonehaven Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0282  
Contact: VERN SMITH

KEY PLAN

Revision	Description	Date
1	Adopted/Amend	2/10/11
2	Adopted/Amend	2/21/11
3	Obj Review Comments	4/11/11
4	Adopted/Amend & Coordination	4/15/11

**FLOOR PLAN - SECOND FLOOR**

**A1.02**

Scale: 1/8" = 1'-0" Date: August 1, 2011  
Project No: AH09121.00  
File Name: \_\_\_\_\_  
Drawing Title: \_\_\_\_\_

Professional of Record: **Shawntel Allen**  
Professional Registration No: CA 3015

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FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.233.4488 | F: 404.233.7358 | LIC. NO. AA 0002442  
E: info@hadp.com | www.hadp-architect.com

DMJ Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6526 SHILOH RD SUITE 330  
LUTHERSBURG, GA 30059  
Phone: 770-944-5544  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Stevedore Road, Suite 200  
Norcross, GA 30093  
770-441-5541 Fax: 770-444-6282  
Contact: VERN SMITH

KEY PLAN

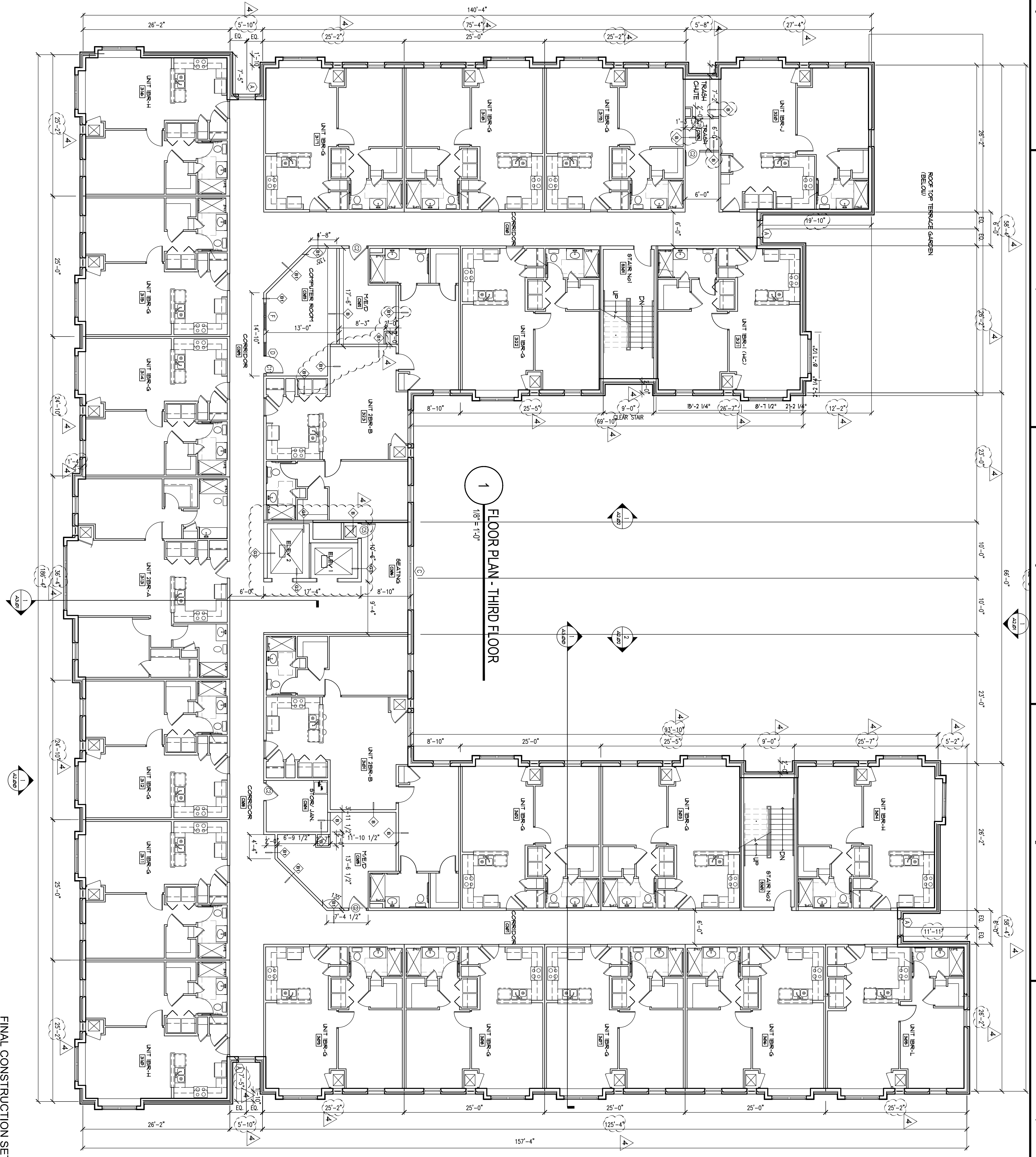
Revision	Description	Date
1	As Issued	2/10/11
2	As Issued	2/21/11
3	As Issued	4/11/11
4	As Issued	4/15/11

Project No. AH09132.00  
File Name  
Scale 1/8" = 1'-0"  
Drawing Title  
Date August 1, 2011

Sheet Number  
**A1.03**  
FLOOR PLAN - THIRD FLOOR

Professional of Record: **Shawnt Allen**  
Professional Registration No. GA 30515  
Seal:

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**ALLEN WILSON III L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.233.4488 | F: 404.233.7358 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architecture.com

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**ENGINEER**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6520 SHILOH RD SUITE 300  
LUTHERSVILLE, GA 30050  
PH: 770-521-4242  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
JORDAN & SKALA  
4275 Stonehaven Road, Suite 200  
Norcross, GA 30093  
770-447-2547 Fax: 770-448-0282  
Contact: VERN SMITH

KEY PLAN

1	Revision	Description	Date
1	1	As Issued	2/10/11
2	2	Advised#2	2/21/11
3	3	CG Review Comments	4/11/11
4	4	Administrative & Coordination	4/15/11

Scale: 1/8" = 1'-0"

Drawing Title: August 1, 2011

Project No.: AH09132.00

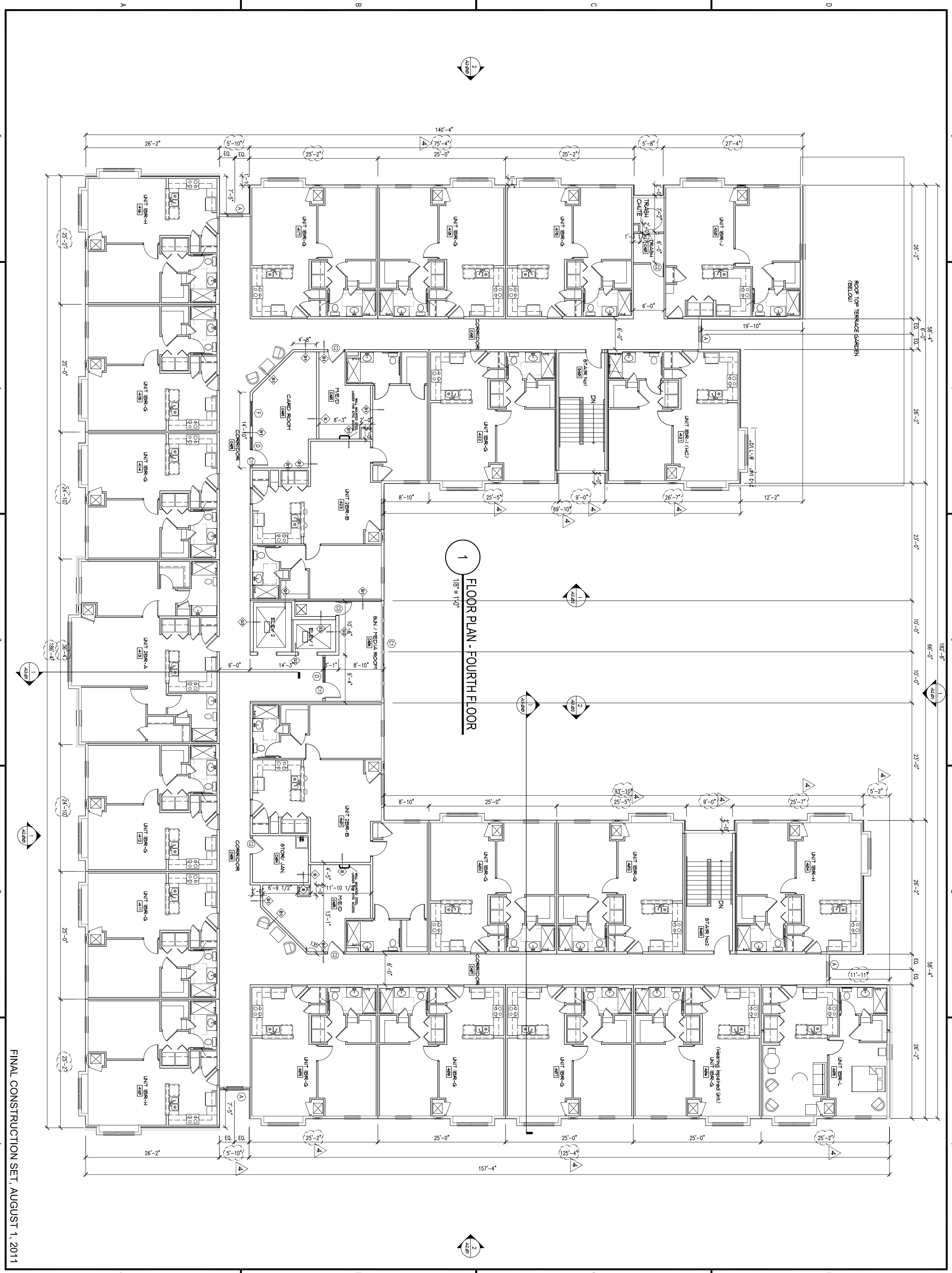
File Name:

Sheet Number: **A1.04**

**FLOOR PLAN - FOURTH FLOOR**

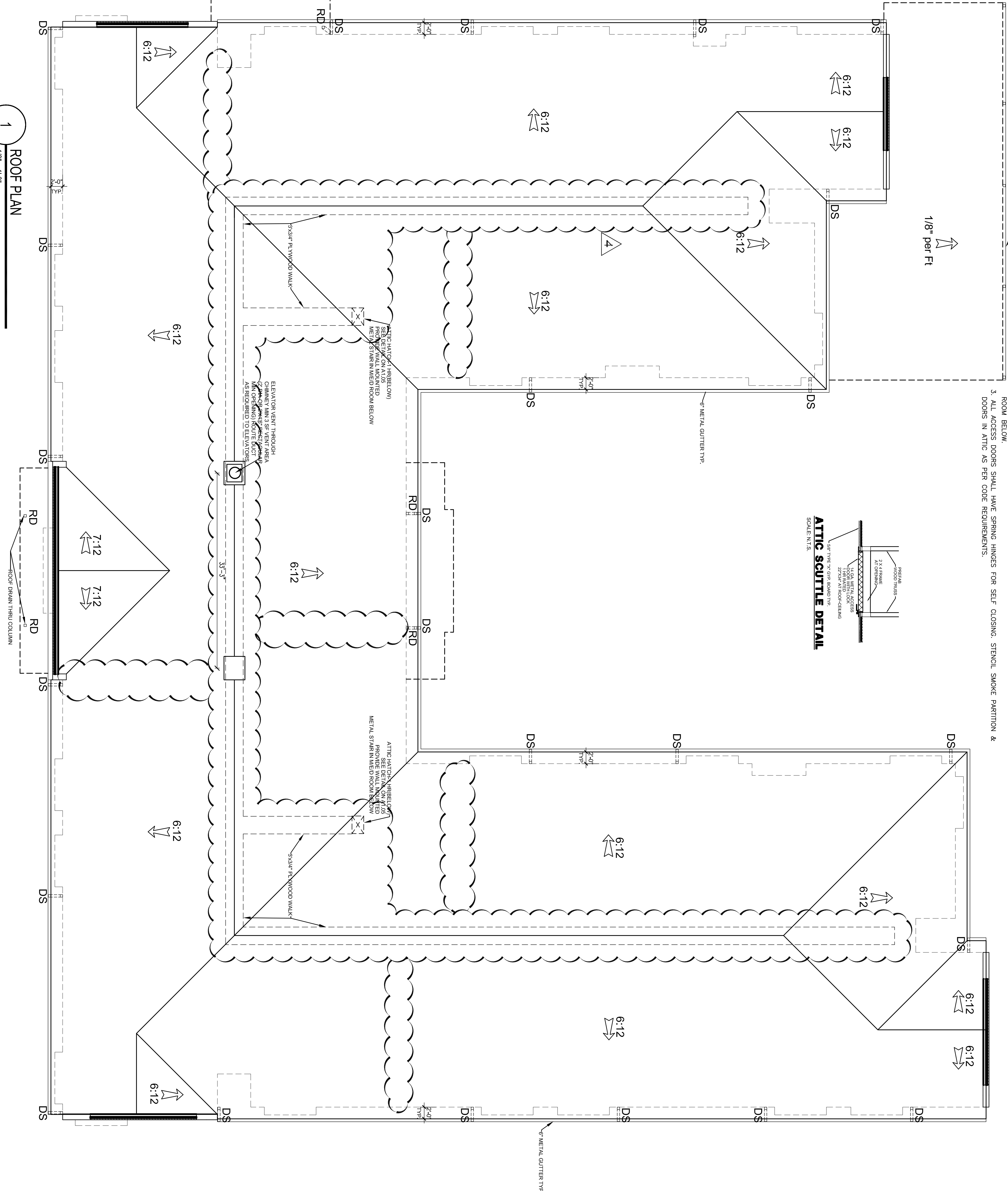
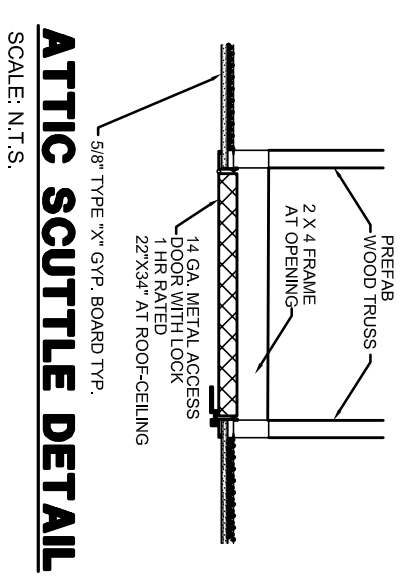
Professional of Record: Stewart Allen  
Professional Registration No.: GA 30515  
Seal:

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FINAL CONSTRUCTION SET, AUGUST 1, 2011

- NOTES
1. ALL ATTIC WALKS ARE 3/4" THK X 3' W PYWOOD. REFER TO CORRIDOR SECTION FOR MORE DETAIL.
  2. ATTIC HATCH SHALL BE ACCESSIBLE FROM BELOW WITH WALL MOUNTED STEEL LADDER IN ROOM BELOW.
  3. ALL ACCESS DOORS SHALL HAVE SPRING HINGES FOR SELF-CLOSING. STENCIL SMOKE PARTITION & DOORS IN ATTIC AS PER CODE REQUIREMENTS.



1  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III  
750 Commerce Drive  
Decatur, Georgia 30030

**OLIVER HOUSE**  
Allen Wilson  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.  
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4488 | F: 404.233.7356 | LIC. NO. AA 0002442  
E: info@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD SUITE 330  
LITTLE ROCK, AR 72114  
PH: 501-221-4420  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Stevedore Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0282  
Contact: VERN SMITH



KEY PLAN

Revision	Description	Date
4	Administrative & Coordination	4/15/11
3	CGI Review Comments	4/11/11
2	Administrative	2/21/11
1	Administrative	2/10/11

Project No: AH09121.00  
File Name: \_\_\_\_\_  
Scale: 1/8" = 1'-0"  
Drawing Title: ROOF PLAN  
Date: August 1, 2011

**ROOF PLAN**

Sheet Number  
**A1.05**

Professional of Record: **Shawn Allen**  
Professional Registration No. GA 30151

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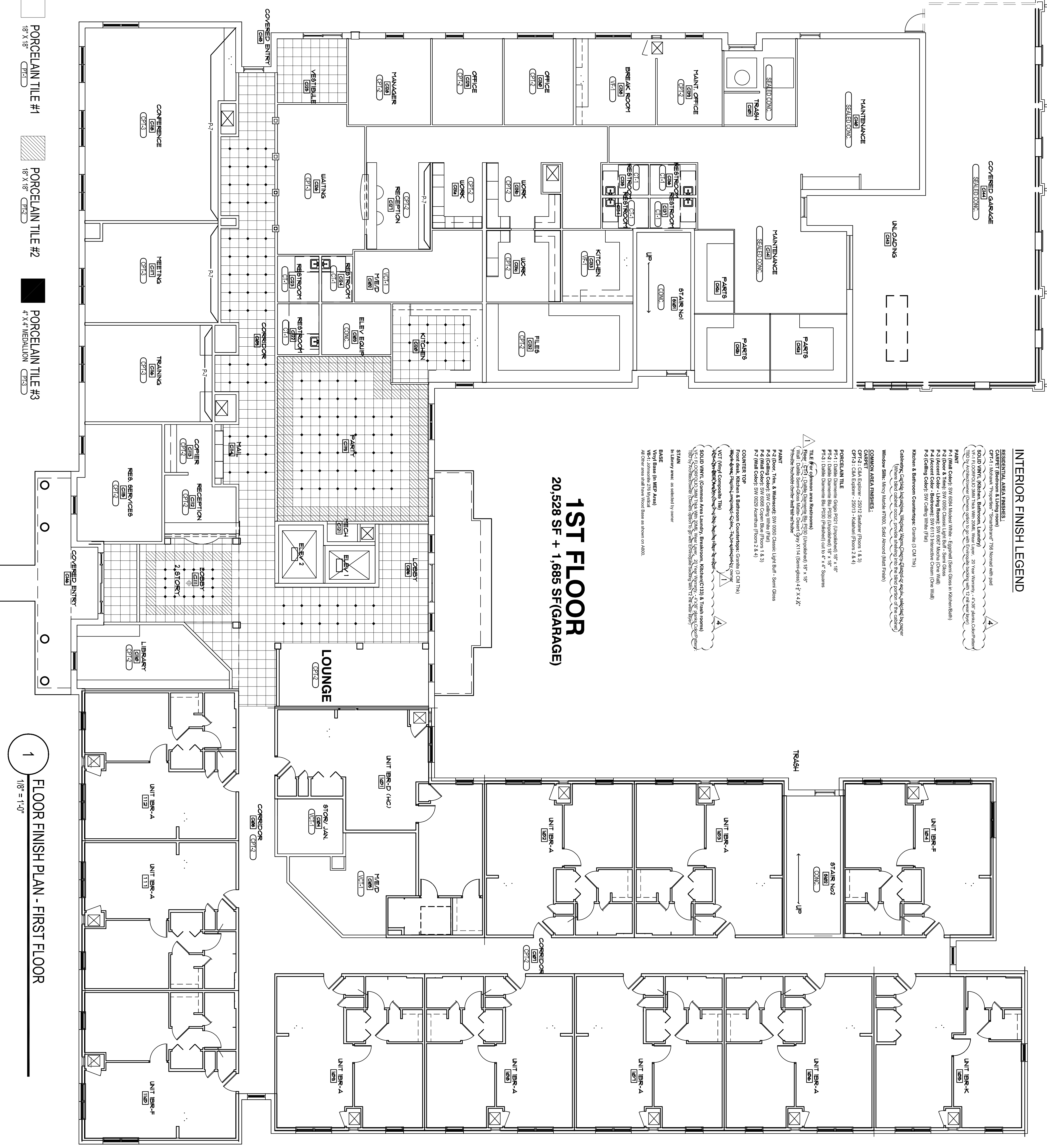




**INTERIOR FINISH LEGEND**

- RESIDENTIAL AREA FINISHES:**  
 CRF1: 1 Medium 'Thompson' - Staircase 75d Neutral with pad  
 CRF2: Solid Vinyl (Kitchen, Bathroom, Laundry)  
 CRF3: Solid Vinyl (Main, Bedroom, Living)  
 CRF4: Solid Vinyl (Hall, Entry, 20 Year Warranty, 4-20" Plank Color/Mix)  
 CRF5: Solid Vinyl (Bathroom, Kitchen, Laundry)  
 CRF6: Solid Vinyl (Living, Dining, Kitchen, Laundry)  
 CRF7: Solid Vinyl (Bedroom, Living, Dining, Kitchen, Laundry)  
 CRF8: Solid Vinyl (Bathroom, Kitchen, Laundry)  
 CRF9: Solid Vinyl (Living, Dining, Kitchen, Laundry)  
 CRF10: Solid Vinyl (Bedroom, Living, Dining, Kitchen, Laundry)  
 CRF11: Solid Vinyl (Bathroom, Kitchen, Laundry)  
 CRF12: Solid Vinyl (Living, Dining, Kitchen, Laundry)  
 CRF13: Solid Vinyl (Bedroom, Living, Dining, Kitchen, Laundry)  
 CRF14: Solid Vinyl (Bathroom, Kitchen, Laundry)  
 CRF15: Solid Vinyl (Living, Dining, Kitchen, Laundry)  
 CRF16: Solid Vinyl (Bedroom, Living, Dining, Kitchen, Laundry)  
 CRF17: Solid Vinyl (Bathroom, Kitchen, Laundry)  
 CRF18: Solid Vinyl (Living, Dining, Kitchen, Laundry)  
 CRF19: Solid Vinyl (Bedroom, Living, Dining, Kitchen, Laundry)  
 CRF20: Solid Vinyl (Bathroom, Kitchen, Laundry)
- COMMON AREA FINISHES:**  
 CRF21: Solid Vinyl (Common Area)  
 CRF22: Solid Vinyl (Common Area)  
 CRF23: Solid Vinyl (Common Area)  
 CRF24: Solid Vinyl (Common Area)  
 CRF25: Solid Vinyl (Common Area)  
 CRF26: Solid Vinyl (Common Area)  
 CRF27: Solid Vinyl (Common Area)  
 CRF28: Solid Vinyl (Common Area)  
 CRF29: Solid Vinyl (Common Area)  
 CRF30: Solid Vinyl (Common Area)
- PAINT:**  
 P-1: Sherwin Williams 'Satin' (Living, Dining, Kitchen, Laundry)  
 P-2: Sherwin Williams 'Satin' (Bedroom, Living, Dining, Kitchen, Laundry)  
 P-3: Sherwin Williams 'Satin' (Bathroom, Kitchen, Laundry)  
 P-4: Sherwin Williams 'Satin' (Living, Dining, Kitchen, Laundry)  
 P-5: Sherwin Williams 'Satin' (Bedroom, Living, Dining, Kitchen, Laundry)  
 P-6: Sherwin Williams 'Satin' (Bathroom, Kitchen, Laundry)  
 P-7: Sherwin Williams 'Satin' (Living, Dining, Kitchen, Laundry)  
 P-8: Sherwin Williams 'Satin' (Bedroom, Living, Dining, Kitchen, Laundry)  
 P-9: Sherwin Williams 'Satin' (Bathroom, Kitchen, Laundry)  
 P-10: Sherwin Williams 'Satin' (Living, Dining, Kitchen, Laundry)  
 P-11: Sherwin Williams 'Satin' (Bedroom, Living, Dining, Kitchen, Laundry)  
 P-12: Sherwin Williams 'Satin' (Bathroom, Kitchen, Laundry)  
 P-13: Sherwin Williams 'Satin' (Living, Dining, Kitchen, Laundry)  
 P-14: Sherwin Williams 'Satin' (Bedroom, Living, Dining, Kitchen, Laundry)  
 P-15: Sherwin Williams 'Satin' (Bathroom, Kitchen, Laundry)
- COUNTER TOP:**  
 C-1: Granite (Kitchen, Bathroom)  
 C-2: Granite (Kitchen, Bathroom)  
 C-3: Granite (Kitchen, Bathroom)  
 C-4: Granite (Kitchen, Bathroom)  
 C-5: Granite (Kitchen, Bathroom)  
 C-6: Granite (Kitchen, Bathroom)  
 C-7: Granite (Kitchen, Bathroom)  
 C-8: Granite (Kitchen, Bathroom)  
 C-9: Granite (Kitchen, Bathroom)  
 C-10: Granite (Kitchen, Bathroom)
- STAIR:**  
 S-1: Solid Vinyl (Staircase)  
 S-2: Solid Vinyl (Staircase)  
 S-3: Solid Vinyl (Staircase)  
 S-4: Solid Vinyl (Staircase)  
 S-5: Solid Vinyl (Staircase)  
 S-6: Solid Vinyl (Staircase)  
 S-7: Solid Vinyl (Staircase)  
 S-8: Solid Vinyl (Staircase)  
 S-9: Solid Vinyl (Staircase)  
 S-10: Solid Vinyl (Staircase)
- BASE:**  
 B-1: Solid Vinyl (Baseboard)  
 B-2: Solid Vinyl (Baseboard)  
 B-3: Solid Vinyl (Baseboard)  
 B-4: Solid Vinyl (Baseboard)  
 B-5: Solid Vinyl (Baseboard)  
 B-6: Solid Vinyl (Baseboard)  
 B-7: Solid Vinyl (Baseboard)  
 B-8: Solid Vinyl (Baseboard)  
 B-9: Solid Vinyl (Baseboard)  
 B-10: Solid Vinyl (Baseboard)
- WALL:**  
 W-1: Solid Vinyl (Wallpaper)  
 W-2: Solid Vinyl (Wallpaper)  
 W-3: Solid Vinyl (Wallpaper)  
 W-4: Solid Vinyl (Wallpaper)  
 W-5: Solid Vinyl (Wallpaper)  
 W-6: Solid Vinyl (Wallpaper)  
 W-7: Solid Vinyl (Wallpaper)  
 W-8: Solid Vinyl (Wallpaper)  
 W-9: Solid Vinyl (Wallpaper)  
 W-10: Solid Vinyl (Wallpaper)
- FLOOR FINISH PLAN - FIRST FLOOR**  
 1/8" = 1'-0"

**1ST FLOOR**  
 20,528 SF + 1,685 SF(GARAGE)



**1**  
 FLOOR FINISH PLAN - FIRST FLOOR  
 1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

**ALLEN WILSON III, P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
 T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 000242  
 E: info@hadp.com | www.hadp-architect.com

**Kimley-Horn and Associates, Inc.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

**Structural Consultant Group**  
 6250 SHILOH RD SUITE 330  
 LAWRENCEVILLE, GA 30046  
 PH: 770-962-1442  
 Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
 4275 Shepherd Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-6282  
 Contact: VERN SMITH



Revision	Description	Date
1	As Issued	2/10/11
2	As Issued	2/21/11
3	As Issued	4/11/11
4	As Issued	4/15/11

Project No: AH0912100  
 Date: August 1, 2011  
 Scale: 1/8" = 1'-0"

**FLOOR FINISH PLAN - FIRST FLOOR**  
**A1.21**

Sheet Number  
 Professional of Record: Stewart Allen  
 Professional Registration No. GA 30515  
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METAL GUTTER 1 D.S. TYP

GREEN ROOF AREA

ROOF TOP TERRACE GARDEN  
ROCK WITH WATER FOUNTAINS

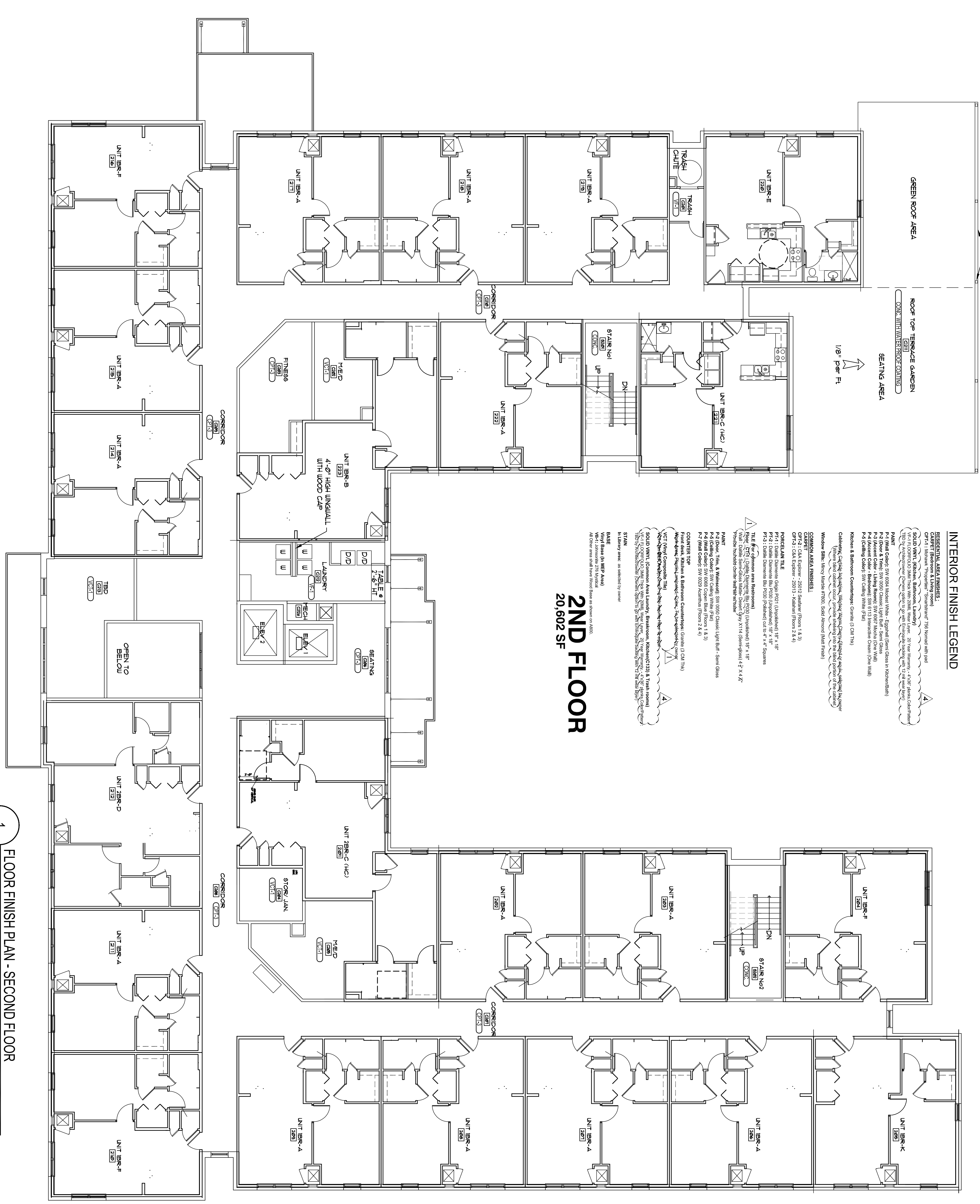
SEATING AREA

1/8" Per Ft.

**INTERIOR FINISH LEGEND**

- RESIDENTIAL AREA FINISHES:**  
 CABINET (Kitchen & Living room)  
 CRT-1: Modern, Tripartite, "Stratford" 750 Natural with pad  
 SOLID VINYL (Bedroom, Bathroom, Laundry)  
 V-1: FLOORING (Solid Vinyl with 20% Water, Water Layer, 20 Year Warranty, 2-3/8" Plank Color/Grain)  
 V-2: FLOORING (Solid Vinyl with 20% Water, Water Layer, 20 Year Warranty, 2-3/8" Plank Color/Grain)  
 V-3: FLOORING (Solid Vinyl with 20% Water, Water Layer, 20 Year Warranty, 2-3/8" Plank Color/Grain)  
 V-4: FLOORING (Solid Vinyl with 20% Water, Water Layer, 20 Year Warranty, 2-3/8" Plank Color/Grain)  
 V-5: FLOORING (Solid Vinyl with 20% Water, Water Layer, 20 Year Warranty, 2-3/8" Plank Color/Grain)  
 V-6: FLOORING (Solid Vinyl with 20% Water, Water Layer, 20 Year Warranty, 2-3/8" Plank Color/Grain)  
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**2ND FLOOR**  
20,602 SF



1 FLOOR FINISH PLAN - SECOND FLOOR  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III, P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
 T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 000242  
 E: info@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6250 SHILTON RD SUITE 330  
NATICK, MA 01908  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Shepleywood Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-444-6282  
Contact: VERN SMITH

KEY PLAN

1	Advisorial & Coordination	4/15/11
2	Design	2/21/11
3	Design	2/10/11
4	Design	

Scale 1/8" = 1'-0" Date August 1, 2011

Project No. AH09132.00

Revision:

1/8" = 1'-0"

**A1.22**

FLOOR FINISH PLAN - SECOND FLOOR

Sheet Number

Professional of Record: **Shawnt Allen**  
Professional Registration No. GA 3051

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ROOF TOP TERRACE GARDEN  
(BELOW)

### INTERIOR FINISH LEGEND

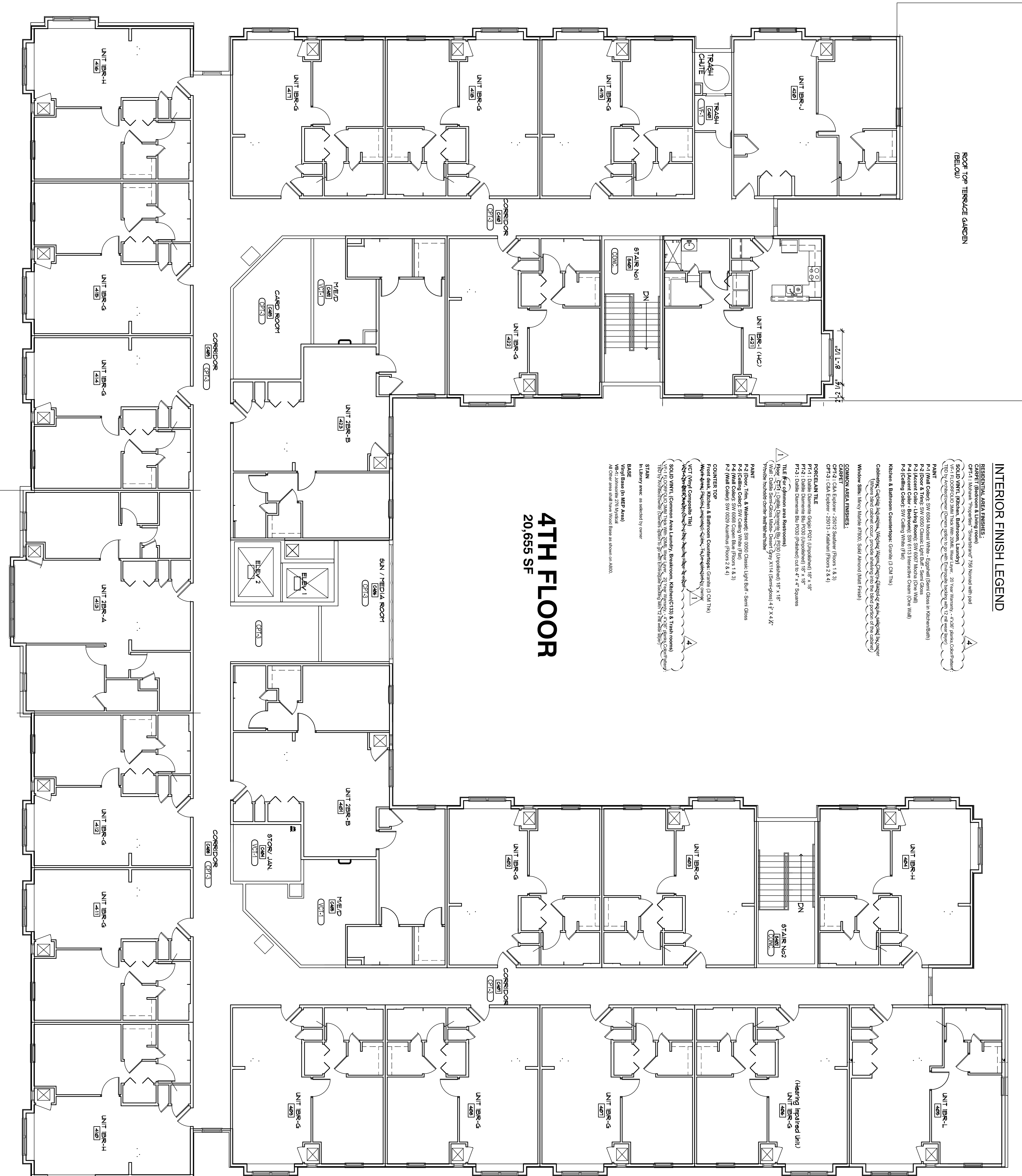
- RESIDENTIAL AREA FINISHES:
- CARPET (Bedroom & Living room)
- CRF-1: Mohawk "Prospire" - Stratusweave 7500 Nomad with pad
- SOLID VINYL (Kitchen, Bathroom, Laundry)
- VFC-1 FLOORING (BATH) Thick Vinyl Stone, Water Guard, 20 Year Warranty, 4.5" Thick Cushion Underlayment
- VFC-2 FLOORING (BATH) Thick Vinyl Stone, Water Guard, 20 Year Warranty, 4.5" Thick Cushion Underlayment
- P-1 Wall Color: SW 6028 Modern White - Eggshell (Open House in Richmond)
- P-2 Door & Trim: SW 0000 Classic Light Buff - Semi Gloss
- P-3 Accent Color - Living Room: SW 0007 Modern Clay - Semi Gloss
- P-4 Accent Color - Living Room: SW 0007 Modern Clay - Semi Gloss
- P-5 Ceiling Color: SW Ceiling White (Flat)
- Kitchen & Bathroom Countertops: Granite (3 CM TH)
- Chandelier, Lighting, Hardware, Vanities, Sinks, Faucets, Showerheads, Toilets, Bidets, Mirrors, Medicine Cabinets, Linens, Towels, and other accessories shall be selected by owner.
- Window Sills: Kings Maple 27000, Solid Mahogany (Paint Finish)

### COMMON AREA FINISHES

- CARPET (CA Elevator - 2507 Seafarer Floors 1 & 3)
- CRF-2: CAK Elevator - 25013 - Mahogany (Paint Finish)
- CRF-3: CAK Elevator - 25013 - Mahogany (Paint Finish)
- COMMON AREA TILE
- CRF-4: Solid Dimensional Glass Floor Tile (Unpainted) 18" x 18"
- CRF-5: Solid Dimensional Glass Floor Tile (Unpainted) 18" x 18"
- CRF-6: Solid Dimensional Glass Floor Tile (Unpainted) 18" x 18"
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# 4TH FLOOR

20,655 SF



1 FLOOR FINISH PLAN - FOURTH FLOOR  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

**ALLEN WILSON III, P.C.**  
750 Commerce Drive  
Decatur, Georgia 30030

**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.233.4488 | F: 404.233.7358 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architecture.com

**Kimley Horn and Associates, Inc.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6250 SHILTON RD SUITE 330  
LITTLE ROCK, AR 72114  
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4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-0282  
Contact: VERN SMITH

STATE OF GEORGIA  
REGISTERED PROFESSIONAL ARCHITECT  
1998

KEY PLAN

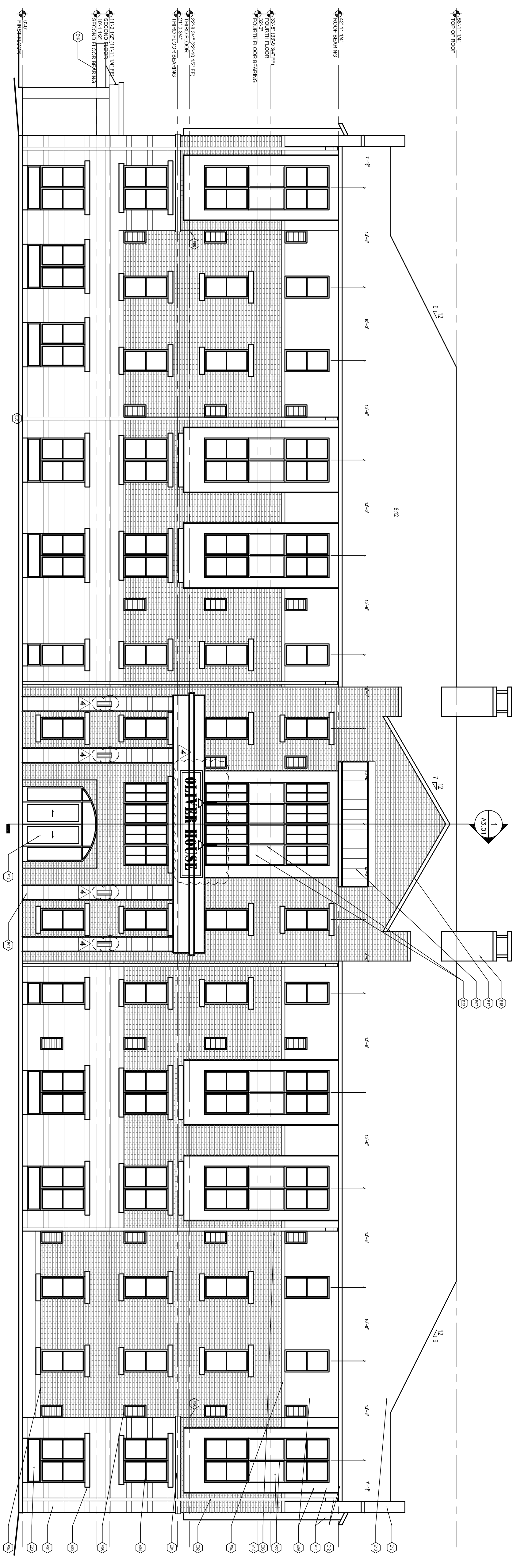
Revisions	Description	Date
1	Adopted/Am1	2/10/11
2	Adopted/Am2	2/21/11
3	Design Comments	4/11/11
4	Adopted/Am3 & Coordination	4/15/11

Project No: AH09132.00  
File Name:  
Scale: 1/8" = 1'-0"  
Date: August 1, 2011

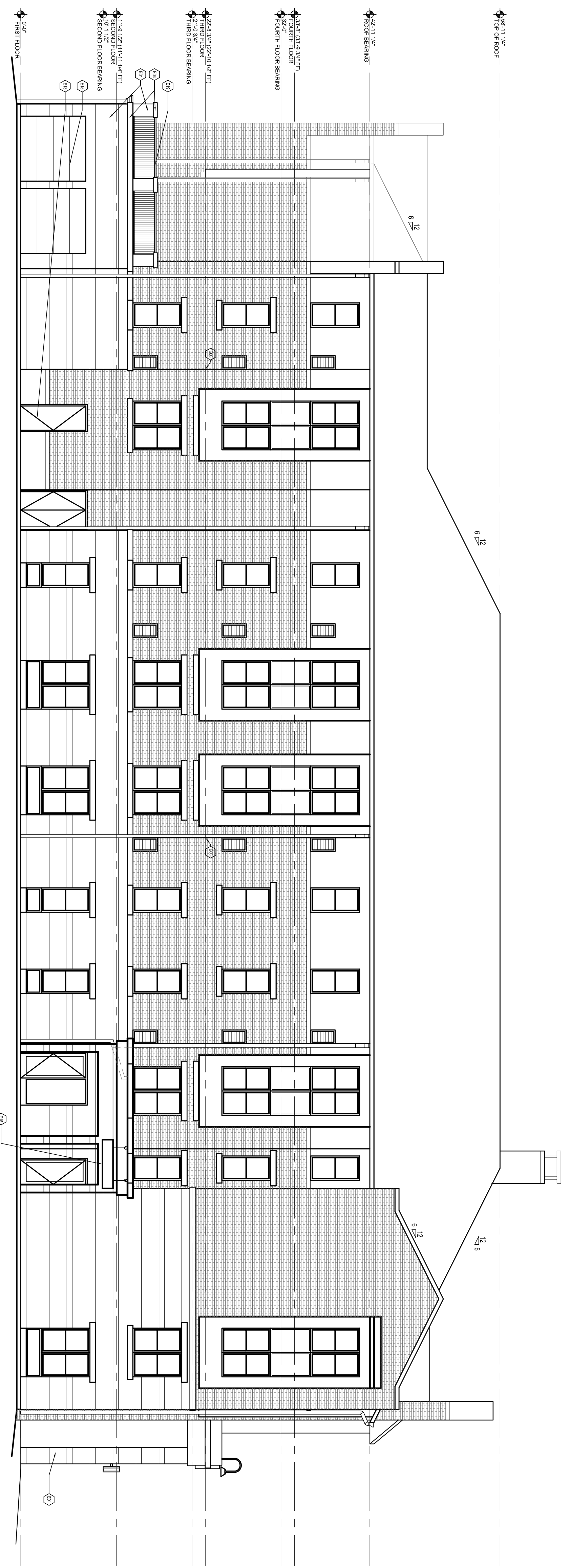
**FLOOR FINISH PLAN - FOURTH FLOOR**  
**A1.24**

Sheet Number  
Professional of Record: **Shawn Allen**  
Professional Registration No: GA 30151  
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1 EAST ELEVATION  
1/8" = 1'-0"



2 SOUTH ELEVATION  
1/8" = 1'-0"

EXTERIOR ELEVATION KEYNOTE SCHEDULE	
KEYNOTE	DESCRIPTION
1	BRICK
2	WOOD SHAKES
3	WOOD SHAKES
4	WOOD SHAKES
5	WOOD SHAKES
6	WOOD SHAKES
7	WOOD SHAKES
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95	WOOD SHAKES
96	WOOD SHAKES
97	WOOD SHAKES
98	WOOD SHAKES
99	WOOD SHAKES
100	WOOD SHAKES



**ALLEN WILSON III L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30365  
T: 404.253.4488 | F: 404.253.7355 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architecture.com

**ENGINEER**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KELLY

**STRUCTURAL ENGINEER**  
STRUCTURAL CONSULTING GROUP  
6250 SHILOH RD SUITE 330  
LITTLE ROCK, AR 72114  
PH: 501-221-4242  
Contact: JOHN FLANNIGAN

**ELECTRICAL, MECHANICAL, PLUMBING & FIRE PROTECTION ENGINEER**  
JOHNSON & SKALA  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-0282  
Contact: VERN SMITH

KEY PLAN		
NO.	DESCRIPTION	DATE
1	Adopted/Amended	2/10/11
2	Adopted/Amended	2/21/11
3	Obj. Review Comments	4/11/11
4	Adopted/Amended & Coordination	4/15/11

Revision: 1  
Project No: AH09132.00  
File Name: EXTERIOR ELEVATIONS  
Scale: 1/8" = 1'-0"  
Drawing Title: EXTERIOR ELEVATIONS  
Date: August 1, 2011

Sheet Number: **A2.00**

**EXTERIOR ELEVATIONS**

Professional of Record: **Shawn Allen**  
Professional Registration No. GA 30151

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750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.235.4488 | F: 404.235.7385 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architecture.com

**Kimley-Horn and Associates, Inc.**  
Civil Engineer  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KELLY

**Structural Consulting Group**  
6520 SHILON RD SUITE 330  
LILY POND, GA 30065  
Phone: 404-444-2527  
Contact: JOHN FANNINGANI

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-0282  
Contact: VERN SMITH

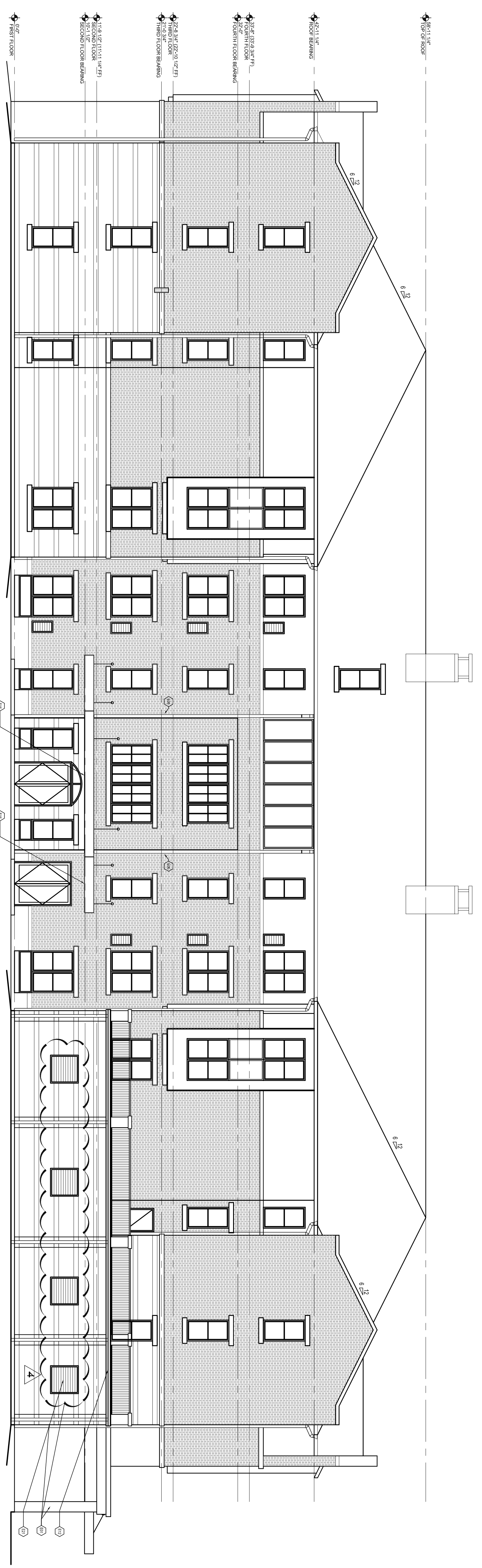
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Date: August 1, 2011  
Drawing Title: EXTERIOR ELEVATIONS

Revision	Description	Date
1	Adopted/rev1	2/10/11
2	Adopted/rev2	2/21/11
3	Obj Review Comments	4/11/11
4	Adopted/rev4 & Coordination	4/15/11

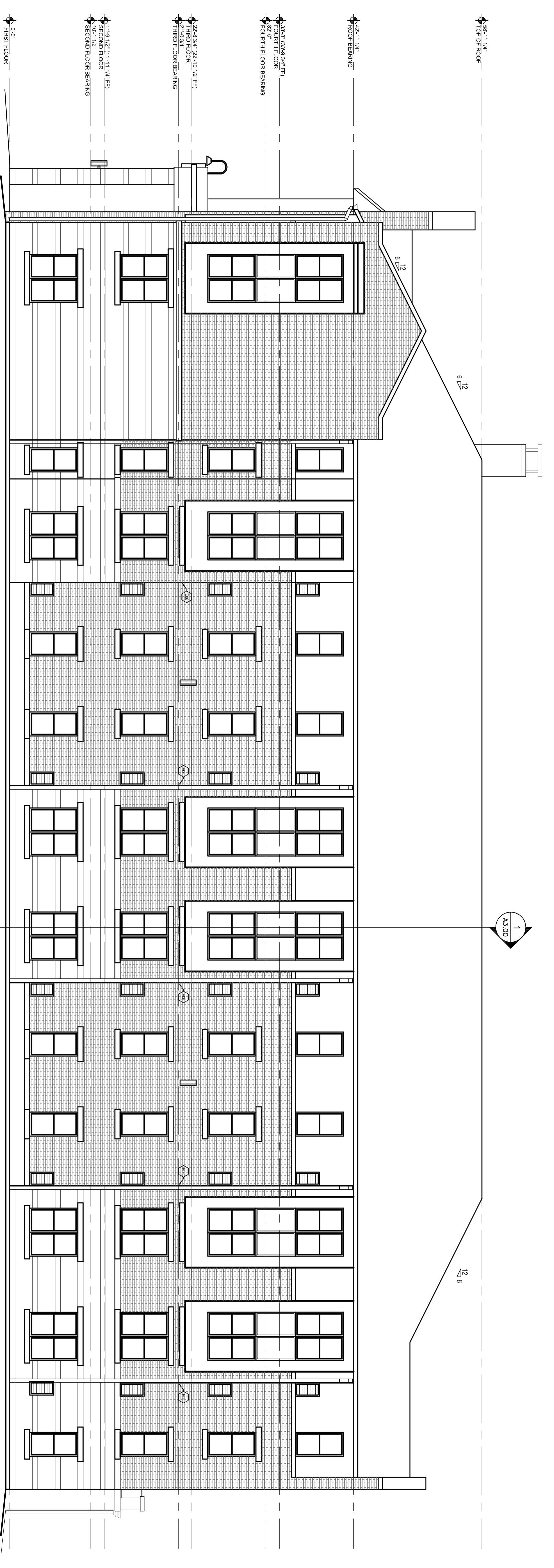
EXTERIOR ELEVATION KEYNOTE SCHEDULE	
1	ROOF FINISH
2	ROOF EAVES
3	1st FLOOR FINISH
4	1st FLOOR EXTERIOR WALLS
5	1st FLOOR EXTERIOR WALLS
6	2nd FLOOR EXTERIOR WALLS
7	2nd FLOOR EXTERIOR WALLS
8	2nd FLOOR EXTERIOR WALLS
9	2nd FLOOR EXTERIOR WALLS
10	2nd FLOOR EXTERIOR WALLS
11	2nd FLOOR EXTERIOR WALLS
12	2nd FLOOR EXTERIOR WALLS
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96	2nd FLOOR EXTERIOR WALLS
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98	2nd FLOOR EXTERIOR WALLS
99	2nd FLOOR EXTERIOR WALLS
100	2nd FLOOR EXTERIOR WALLS



KEY PLAN	DATE
1	4/15/11
2	4/11/11
3	2/21/11
4	2/10/11



1 WEST ELEVATION  
1/8" = 1'-0"

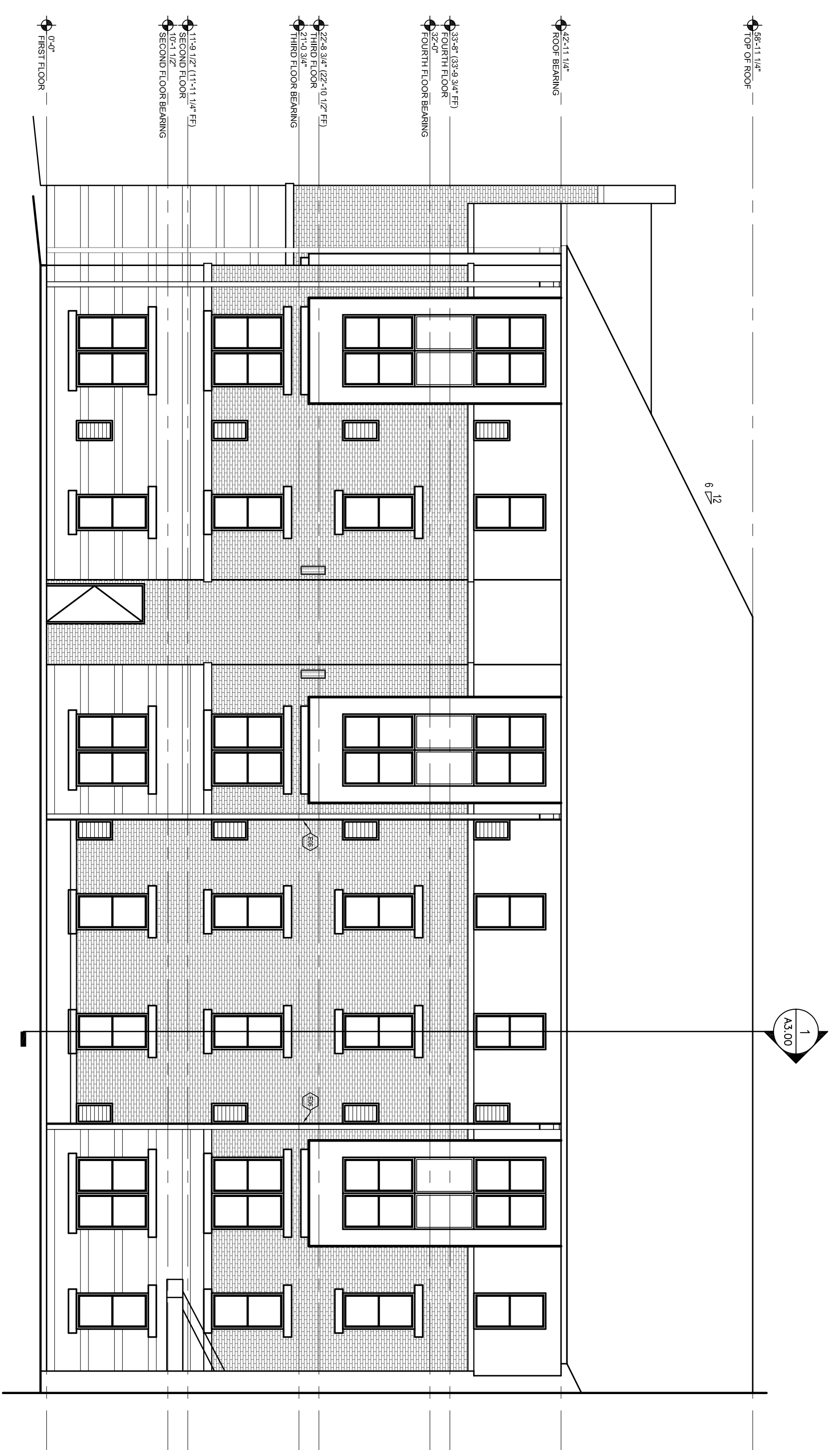


2 NORTH ELEVATION  
1/8" = 1'-0"

Sheet Number: **A2.01**

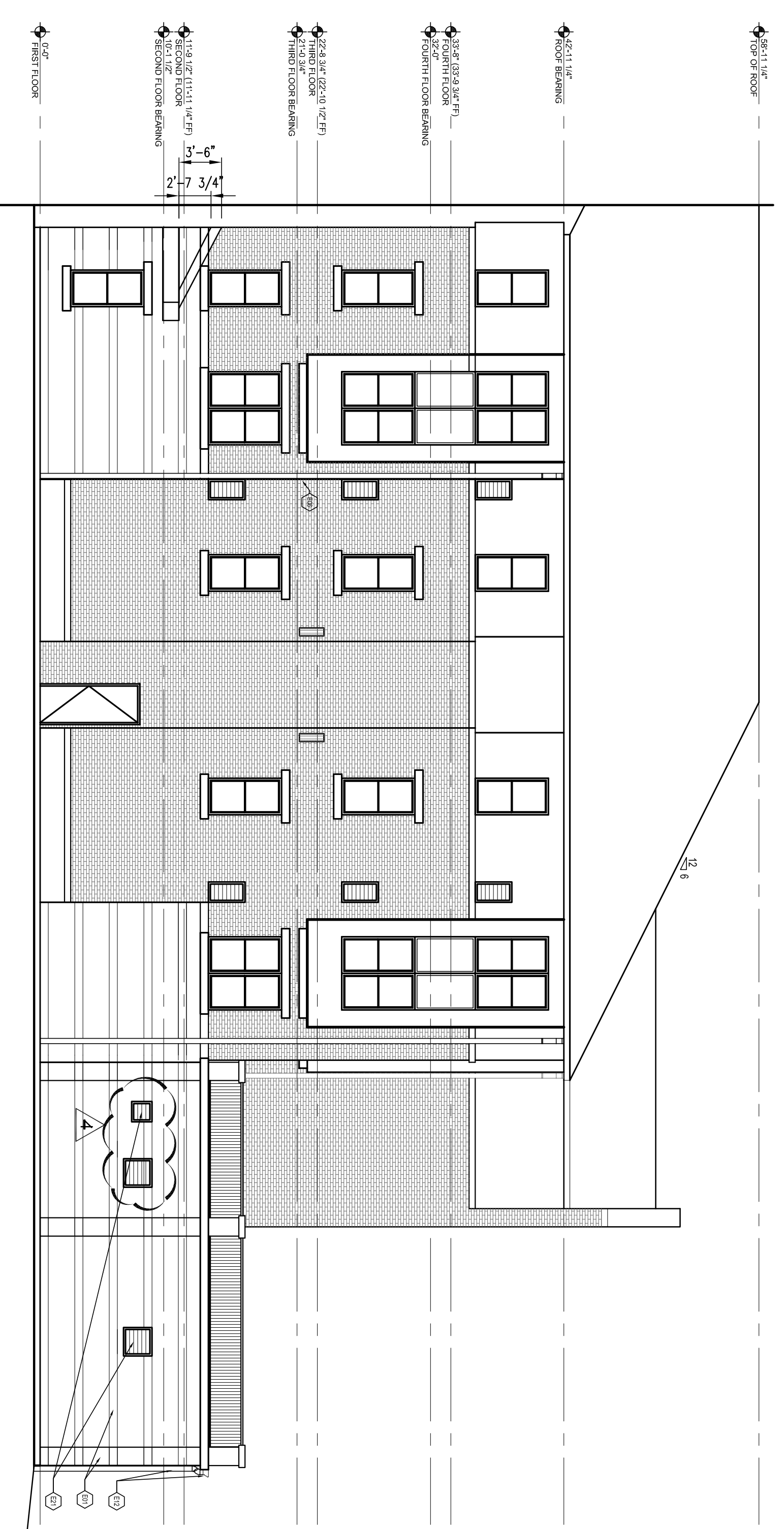
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1  
1/8" = 1'-0"

NORTH COURTYARD ELEVATION



2  
1/8" = 1'-0"

SOUTH COURTYARD ELEVATION

EXTERIOR ELEVATION  
KEYNOTE SCHEDULE

1	BRICK
2	BRICK
3	BRICK
4	BRICK
5	BRICK
6	BRICK
7	BRICK
8	BRICK
9	BRICK
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11	BRICK
12	BRICK
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100	BRICK



KEY PLAN

Revision	Description	Date
1	Adopted/rev1	2/10/11
2	Adopted/rev2	2/21/11
3	Obj Review Comments	4/11/11
4	Adopted/rev4 & Coordination	4/15/11

Project No: AH09132.00  
 Title: EXTERIOR ELEVATIONS

Scale: 1/8" = 1'-0"  
 Date: August 1, 2011

ALLEN WILSON III L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
 Commerce Drive  
 Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
 ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30365  
 T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 0002442  
 E: info@hadp.com | www.hadp-architecture.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 | Phone: 404-501-6122  
 Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
 6250 SHILOH RD SUITE 330  
 LAWRENCEVILLE, GA 30046  
 Phone: 770-962-1442  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shakerford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0282  
 Contact: VERN SMITH

Sheet Number  
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ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4488 | F: 404.233.7356 | LIC. NO. AA 0002442  
E: info@hadp.com | www.hadp-architect.com

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**Civil Engineer**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**Structural Engineer**  
STRUCTURAL CONSULTING GROUP  
6250 SHILOH RD SUITE 330  
LUTHERSBURG, GA 30059  
Phone: 770-944-2547  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
JORDAN & SKALA  
4275 Stonecroft Road, Suite 200  
Norcross, GA 30093  
770-447-2547 Fax: 770-448-2922  
Contact: VERN SMITH



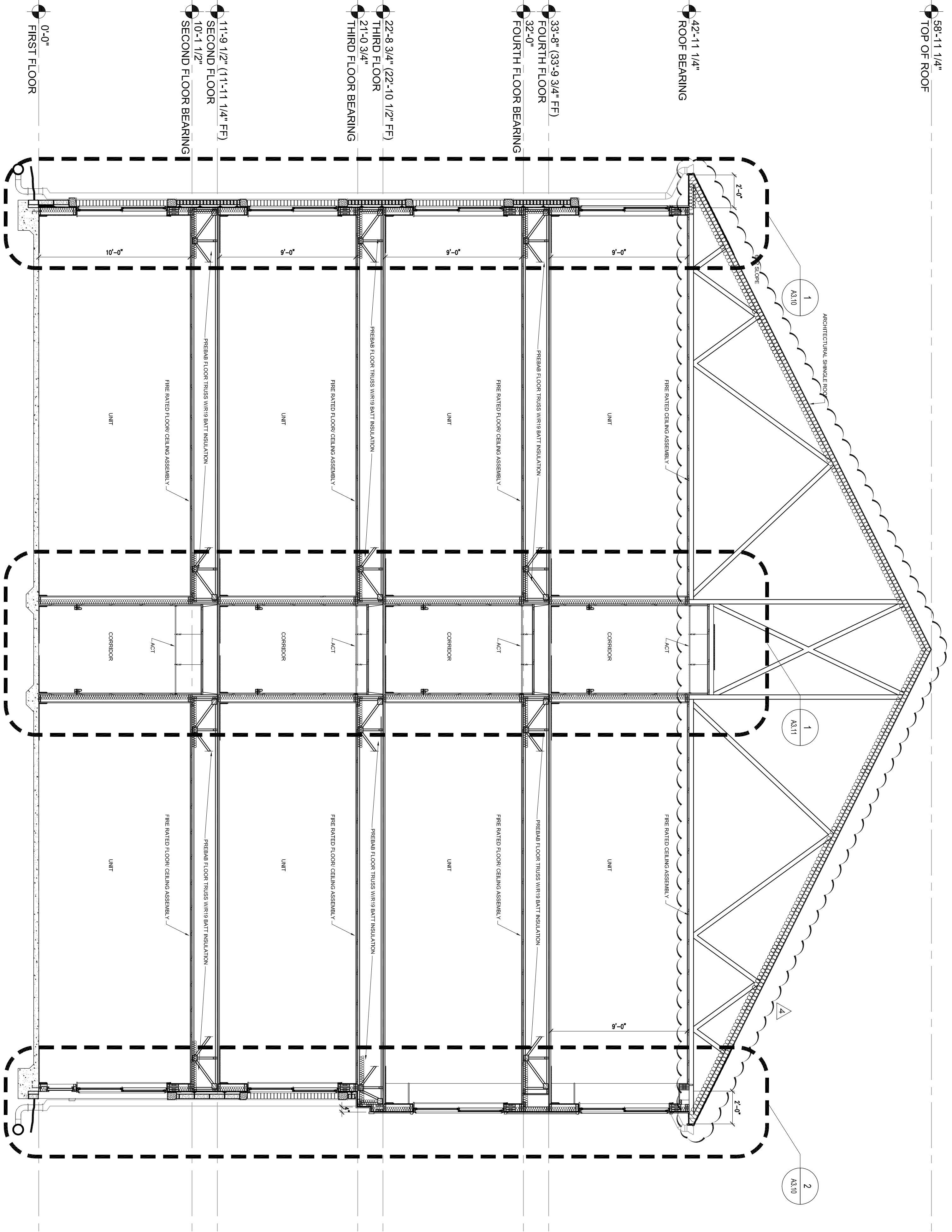
KEY PLAN

Revision	Description	Date
1	Adopted/Am1	2/10/11
2	Adopted/Am2	2/21/11
3	Obj Review Comments	4/11/11
4	Adopted/Am3 & Coordination	4/15/11

File Name: A:\09132.00  
Project No: A\09132.00  
Scale: 1/8" = 1'-0"  
Date: August 1, 2011  
Drawing Title: BUILDING SECTIONS

Sheet Number  
**A3.00**  
BUILDING SECTIONS

Professional of Record: Stewart Allen  
Professional Registration No: CA 3015  
Seal:



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

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
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2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4488 | F: 404.233.7356 | LIC. NO. AA 000242  
E: info@hdparch.com | www.hdparch.com

**Chief Engineer**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**Structural Engineer**  
STRUCTURAL CONSULTING GROUP  
6250 SHILTON RD SUITE 330  
LUTHERSBURG, GA 30059  
Phone: 770-441-5547  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
JORDAN & SKALA  
4275 Shakerford Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-0282  
Contact: VERN SMITH



KEY PLAN

Revision	Description	Date
4	Administrative & Coordination	4/15/11
3	03 Review Comments	4/11/11
2	Administrative	2/21/11
1	Administrative	2/10/11

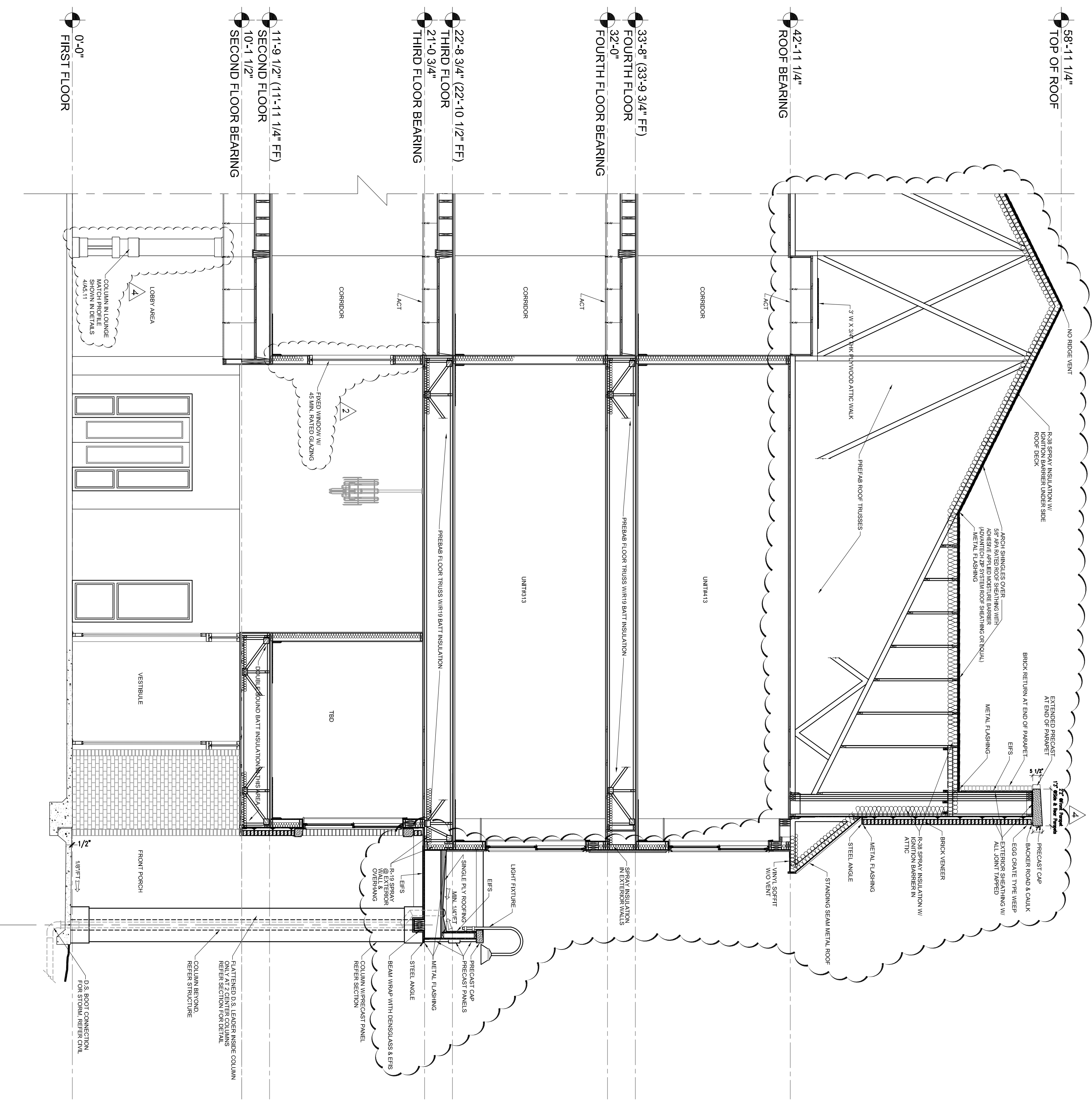
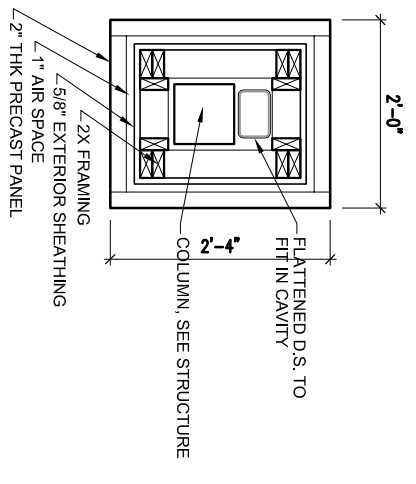
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File Name:  
Scale: 1/8" = 1'-0" Date: August 1, 2011  
Drawing Title:

**BUILDING SECTIONS**  
**FRONT PORCH**  
Sheet Number  
**A3.01**

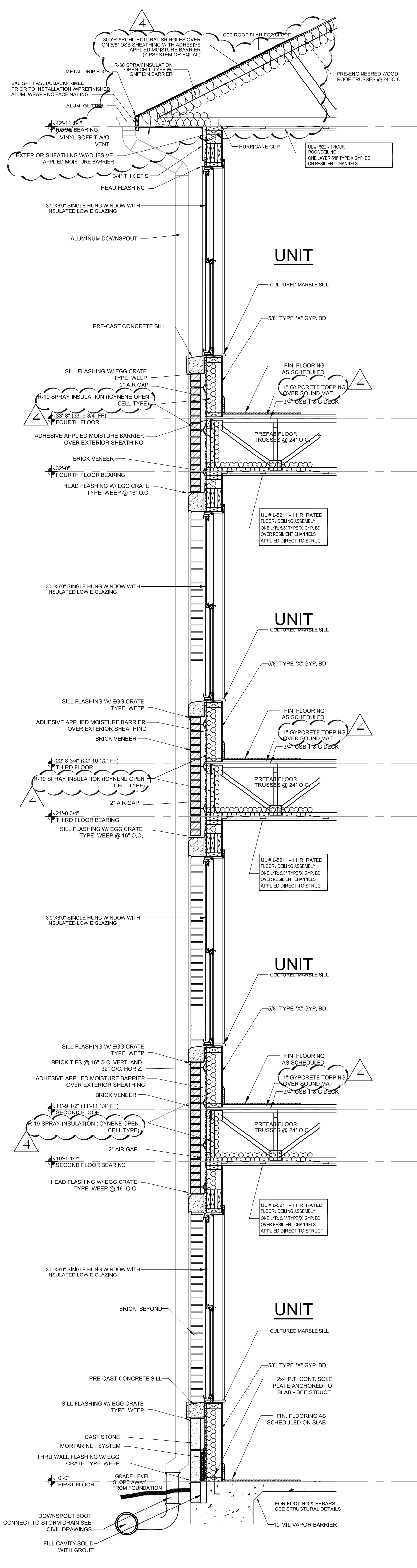
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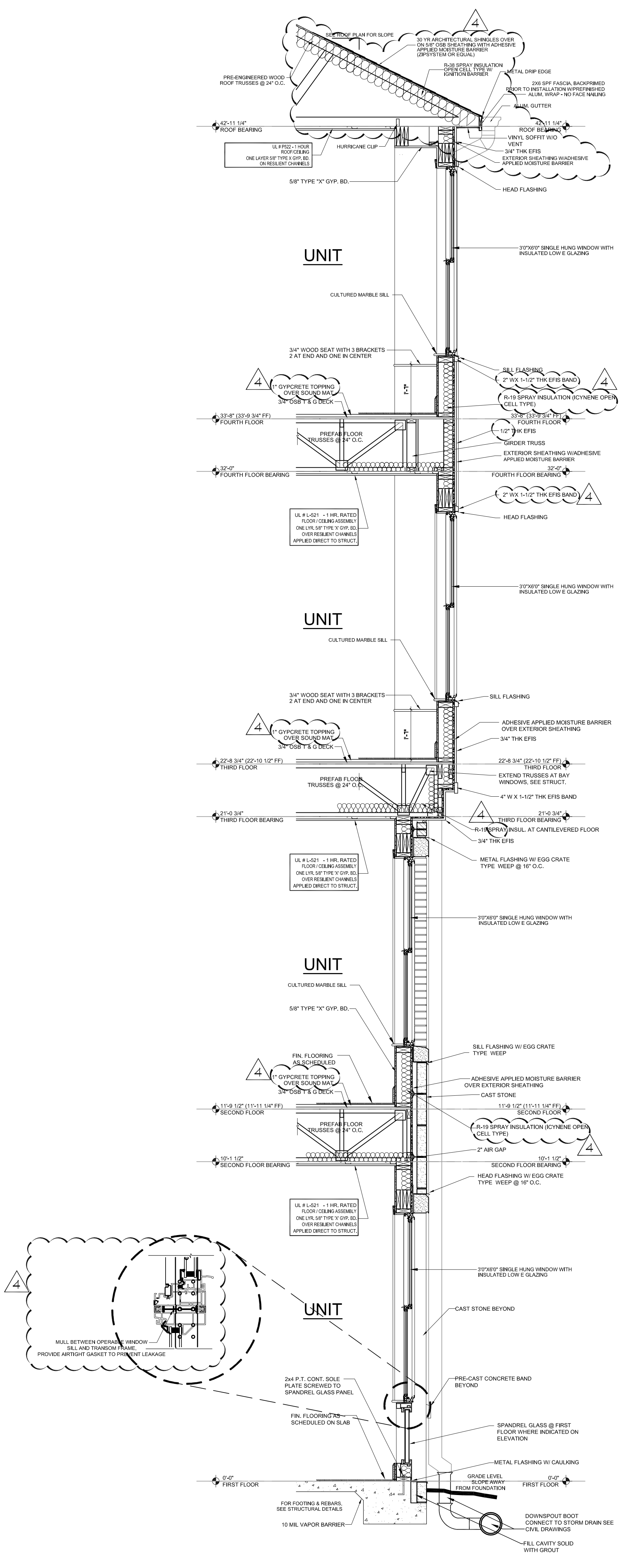
**2**  
1/2" = 1'-0"  
COLUMN DETAIL



**1**  
1/4" = 1'-0"  
BUILDING SECTION- FRONT PORCH



1 TYPICAL WALL SECTION  
1/2" = 1'-0"



2 WALL SECTION AT BAY WINDOW  
1/2" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

Revision	Description	Date
1	Adopted	2/10/11
2	Adopted	2/21/11
3	Op. Review Comments	4/11/11
4	Adopted	4/15/11

File Name	Date
Project No. A109132.00	August 1, 2011

Scale	Date
1/2" = 1'-0"	August 1, 2011

Sheet Number	Section Name
A3.10	WALL SECTIONS

Professional of Record: Stewart Allen  
Professional Registration No. CA 30151

ALLEN WILSON III, L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia

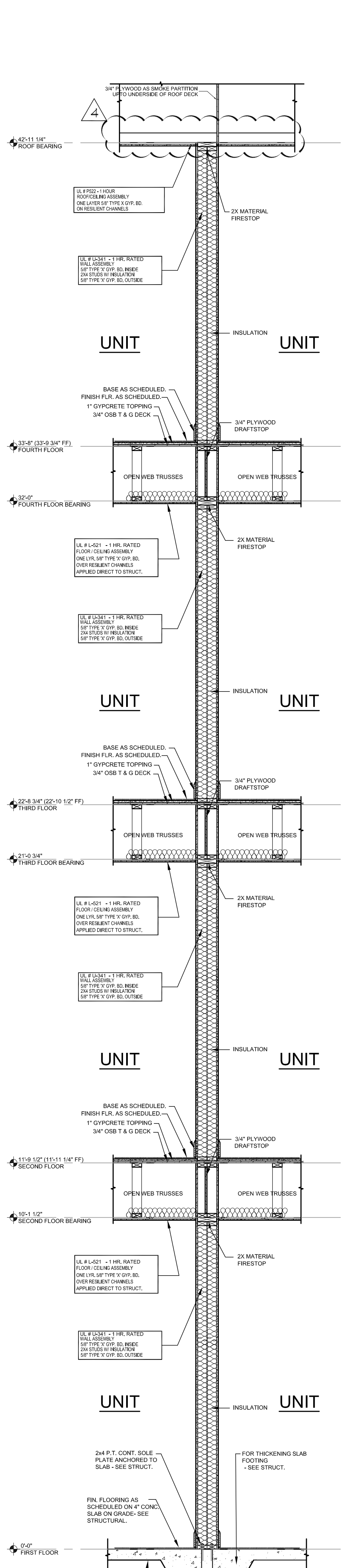
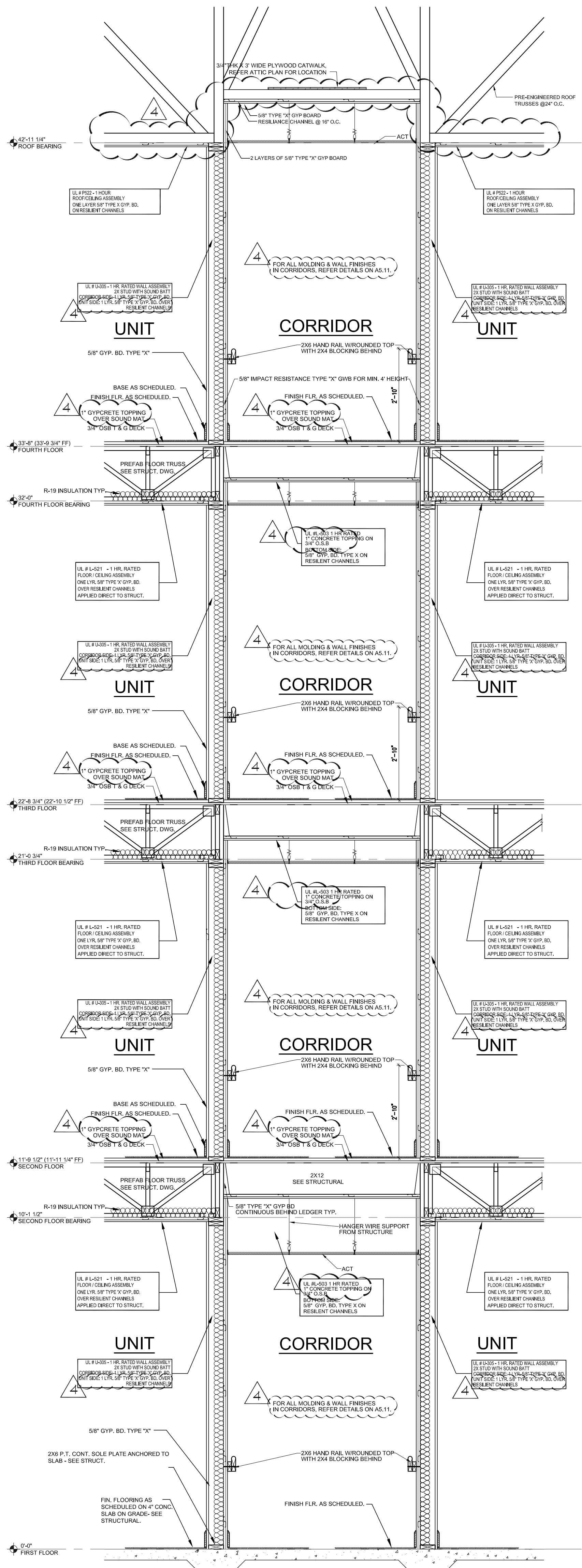
2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7358 | LIC. NO. AA 000242  
E: info@haddp.com | www.haddp-architect.com

Kimley-Horn and Associates, Inc.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILOH RD SUITE 330  
LITTLE ROCK, AR 72114  
Phone: 501-221-3000  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Stockwood Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-0292  
Contact: VERN SMITH





1 CORRIDOR WALL SECTION  
1/2" = 1'-0"

2 PARTY WALL SECTION  
1/2" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

Revision	Description	Date
1	Adopted/Amend	2/10/11
2	Adopted/Amend	2/21/11
3	Adopted/Amend	4/1/11
4	Adopted/Amend	4/15/11

Project No.	1109121.00
File Name	1109121.00
Scale	1/2" = 1'-0"
Drawing Title	WALL SECTIONS
Date	August 1, 2011

Professional of Record	Shawn Allen
Professional Registration No.	CA 30151
Scale	A3.11



**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD SUITE 330  
LITTLE ROCK, AR 72114  
Phone: 501-221-3000  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Stockton Road, Suite 200  
Norcross, GA 30092  
770-441-5547 Fax: 770-448-0922  
Contact: VERN SMITH

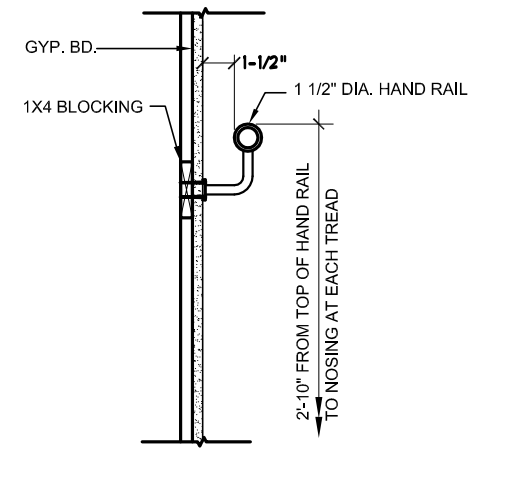
**HADP ARCHITECTURE, INC.**  
2722 Piedmont Rd NE | ATLANTA, GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

**Oliver House**  
Allen Wilson III, L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

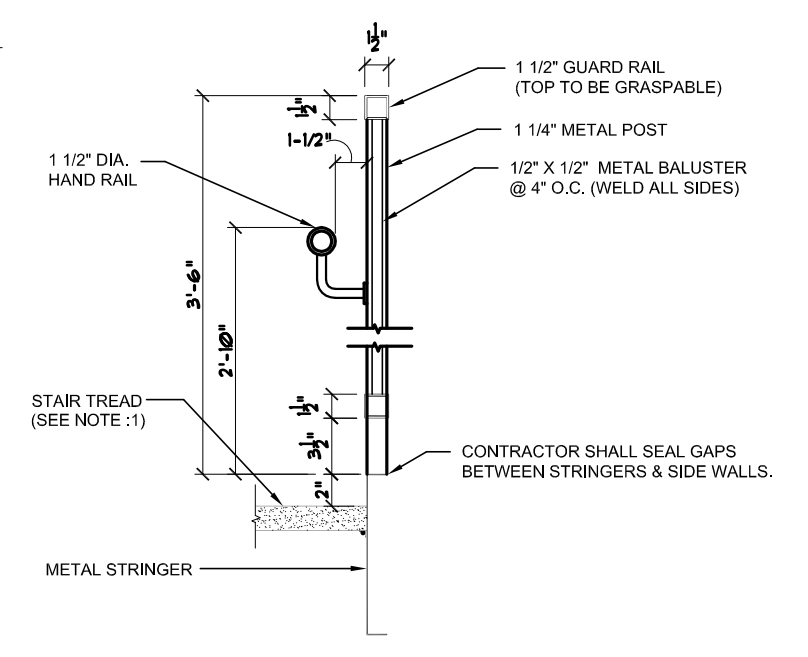
**ALLEN WILSON III, L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

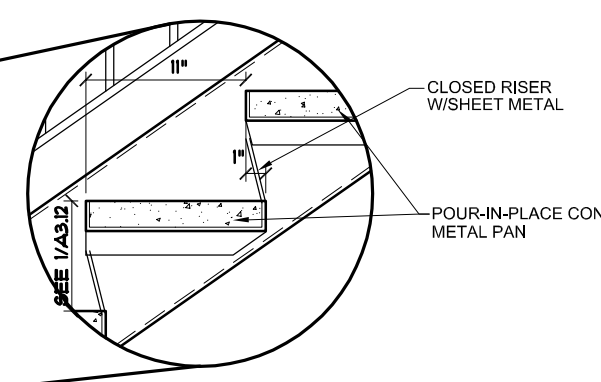
NOTE: HANDRAIL LOADING SHALL CONFORM TO LOADING REQUIRED IN IBC 1607.7.1 (50 LBS PER FT LENGTH OR 250 LBS POINT LOAD IN ANY DIRECTION)



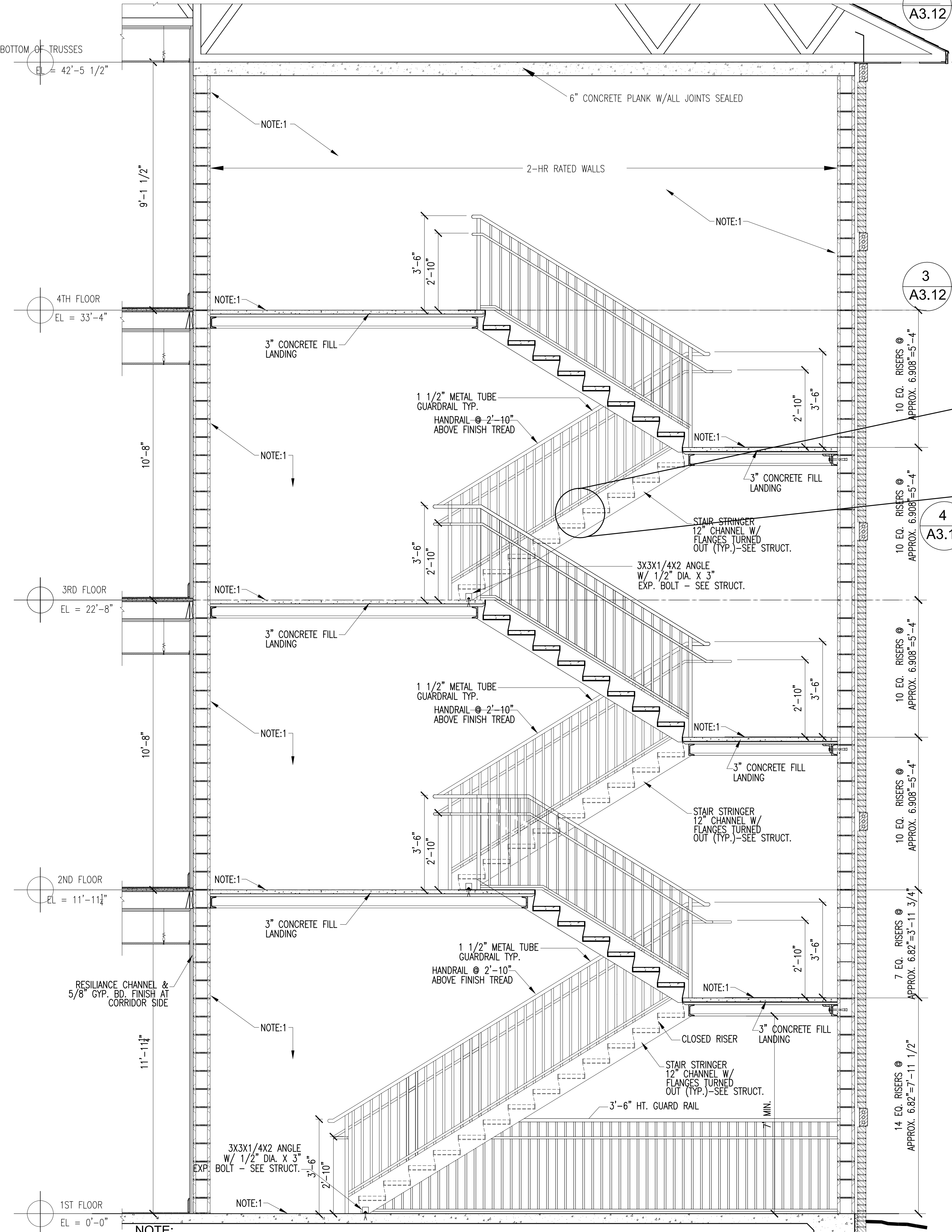
**2 TYP. HANDRAIL DETAIL**  
A3.12 SCALE: 1"= 1'-0"



**3 TYP. DETAIL : GUARD RAIL/HANDRAIL**  
A3.12 SCALE: 1"= 1'-0"



**4 TYP. TREAD DETAIL**  
A3.12 SCALE: 1"= 1'-0"



**1 STAIR SECTION**  
A3.12 SCALE: 1/2"= 1'-0"

NOTE:  
1. ALL WALLS SHALL BE FINISHED WITH BLOCK FILLER & PAINTED. ALL FLOOR, LANDING & TREADS SHALL BE POUR-IN-PLACE CONCRETE WITH BROOM FINISH. TREADS W/CLOSED RISER. GAP BETWEEN STRINGER AND WALL SHALL BE LESS THAN 3/4".

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**



2727 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

**Chief Engineer**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK RILEY

**Structural Engineer**  
STRUCTURAL CONSULTING GROUP  
6250 SHILTON RD SUITE 330  
LITTLE ROCK, AR 72114  
Phone: 501-221-3000  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
JORDAN & SKALA  
4275 Stonehaven Road, Suite 200  
Norcross, GA 30092  
770-441-2547 Fax: 770-444-8282  
Contact: VERN SMITH



KEY PLAN

Revision	Description	Date
4	Administrative & Coordination	4/15/11
3	Obj Review Comments	4/11/11
2	Administrative	2/21/11
1	Administrative	2/10/11

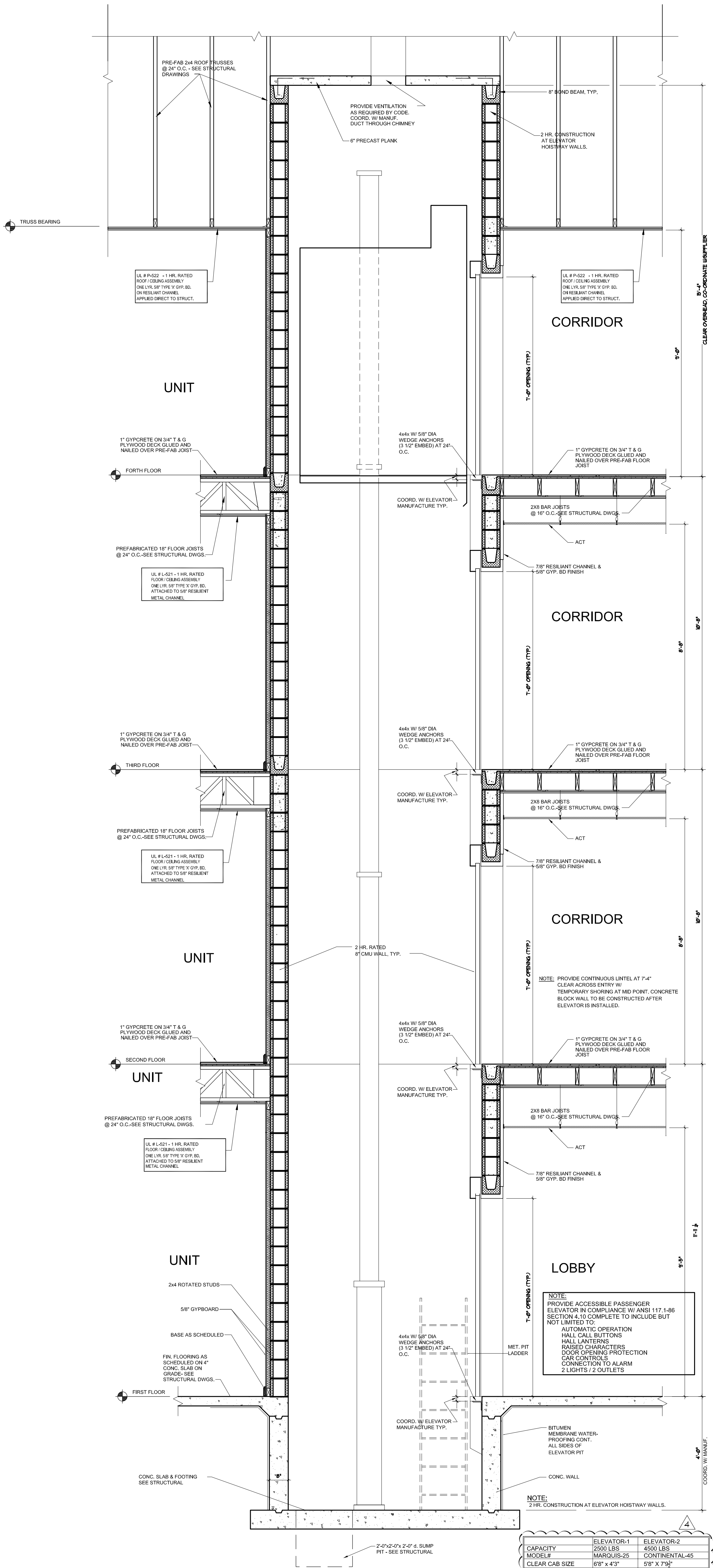
Project No: A109132.00  
File Name: A109132.00

Drawing Title  
**STAIR SECTION**  
Date  
August 1, 2011

Sheet Number  
**A3.12**

Professional of Record: Stewart Allen  
Professional Registration No: CA 30151  
This drawing contains information to the best of my knowledge and belief that I am a duly licensed professional engineer in the State of Georgia. I am not responsible for any errors or omissions in this drawing or any other drawings prepared by me or my firm or any other professional seals and/or signatures.





	ELEVATOR-1	ELEVATOR-2
CAPACITY	2500 LBS	4500 LBS
MODEL#	MARKUS-25	CONTINENTAL-45
CLEAR CAB SIZE	6'8" x 4'3"	6'8" x 7'9"
TYPE	OIL-HYDRAULIC	
SPEED	150 FPM	
CEILING HT	6'-6" CLEAR(MIN)	
VANDAL RESISTANCE WALL PANELS, CEILING & BUTTONS		
ELEVATORS SHALL BE WITH DUAL CONTROL AT EACH FLOOR		
GC SHALL CO-ORDINATE EXACT DOOR OPENING LOCATIONS		
AS PER MANUFACTURER'S RECOMMENDATIONS.		
ABOVE MODEL# ARE FOR THYSENKRUPP		
EQUIVALENT MANUFACTURER - OTIS & AS INDICATED IN SPEC.		

**1 ELEVATOR SECTION**  
**A3.13** SCALE: 1/2" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
 Commerce Drive  
 Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
 ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.253.4488 | F: 404.253.7395 | LIC. NO. AA 000242  
 E: hadp@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-4122  
 Contact: MARK KELLY

**STRUCTURAL CONSULTING GROUP**  
 6520 SHILOH RD SUITE 300  
 LAWRENCEVILLE, GA 30046  
 Contact: JOHN FLANNAGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SHALA**  
 4275 Stonewall Road, Suite 200  
 Norcross, GA 30092  
 770-441-5547 Fax: 770-448-0282  
 Contact: VERN SMITH

STATE OF GEORGIA  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 12083

KEY PLAN

Revision	Description	Date
1	Adopted#1	2/10/11
2	Adopted#2	2/21/11
3	Op Review Comments	4/11/11
4	Administrative & Coordination	4/15/11

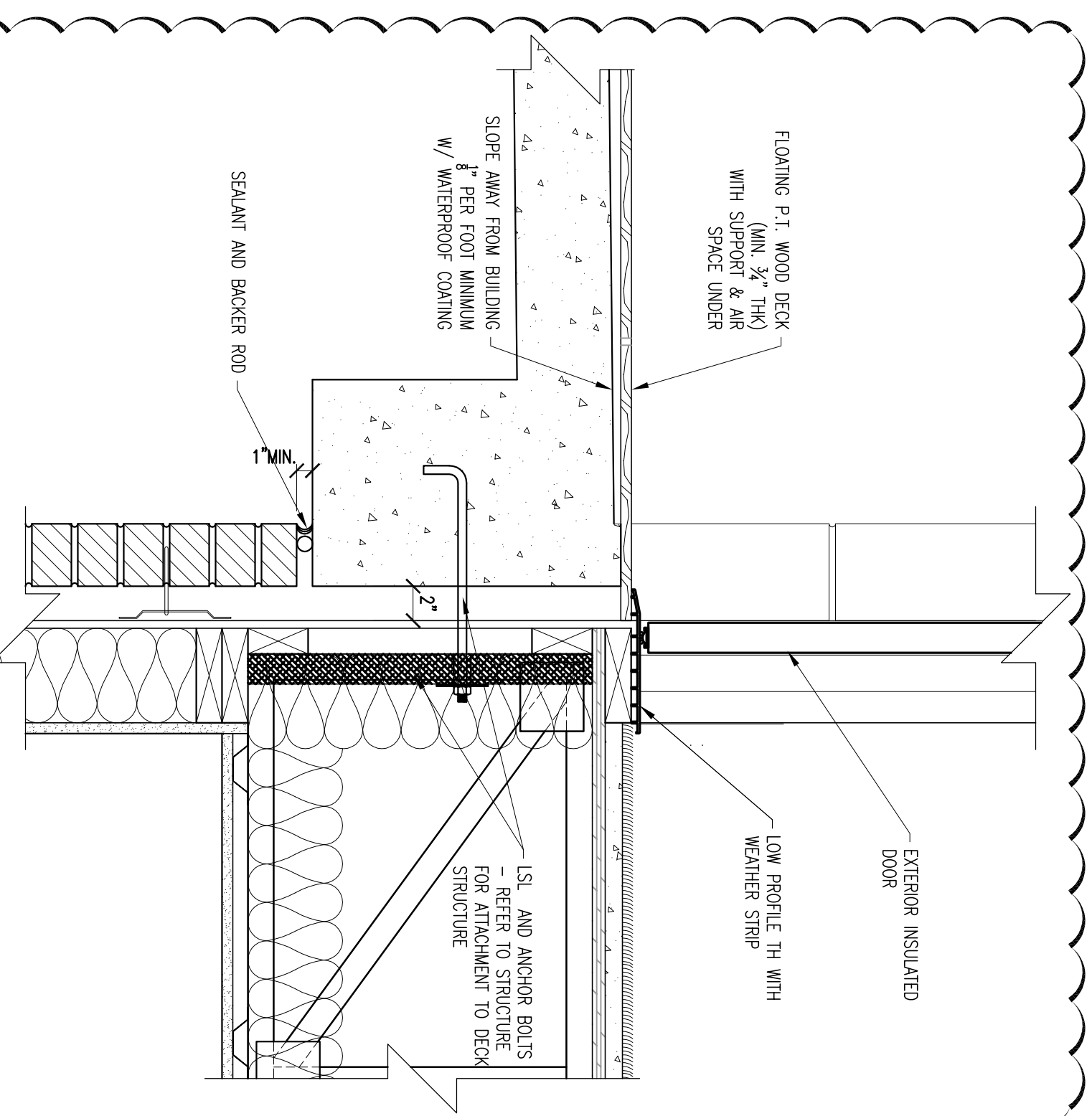
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 Date: August 1, 2011

**ELEVATOR SECTION**

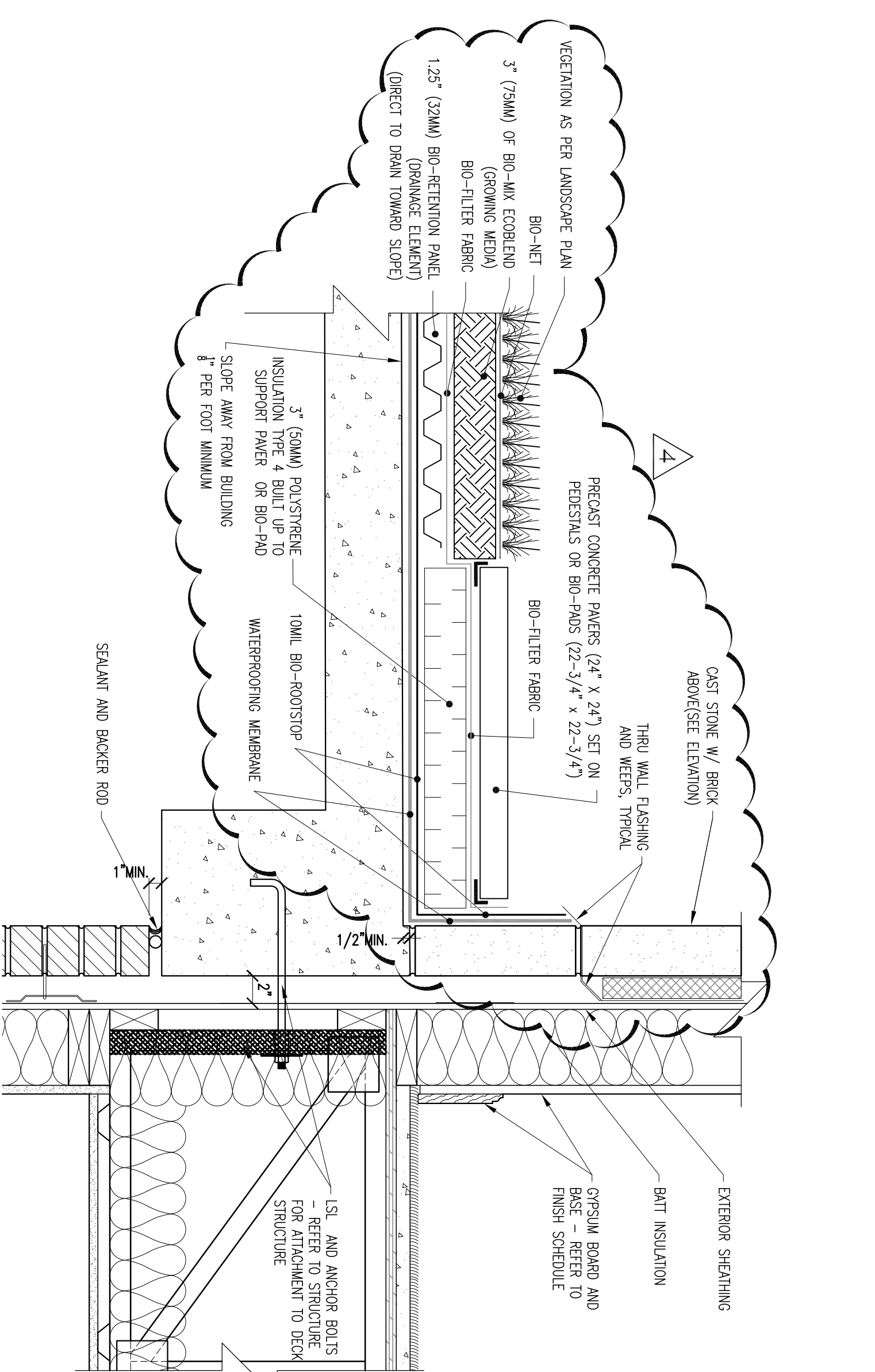
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Professional of Record: Stewart Allen  
 Professional Registration No: CA 30151

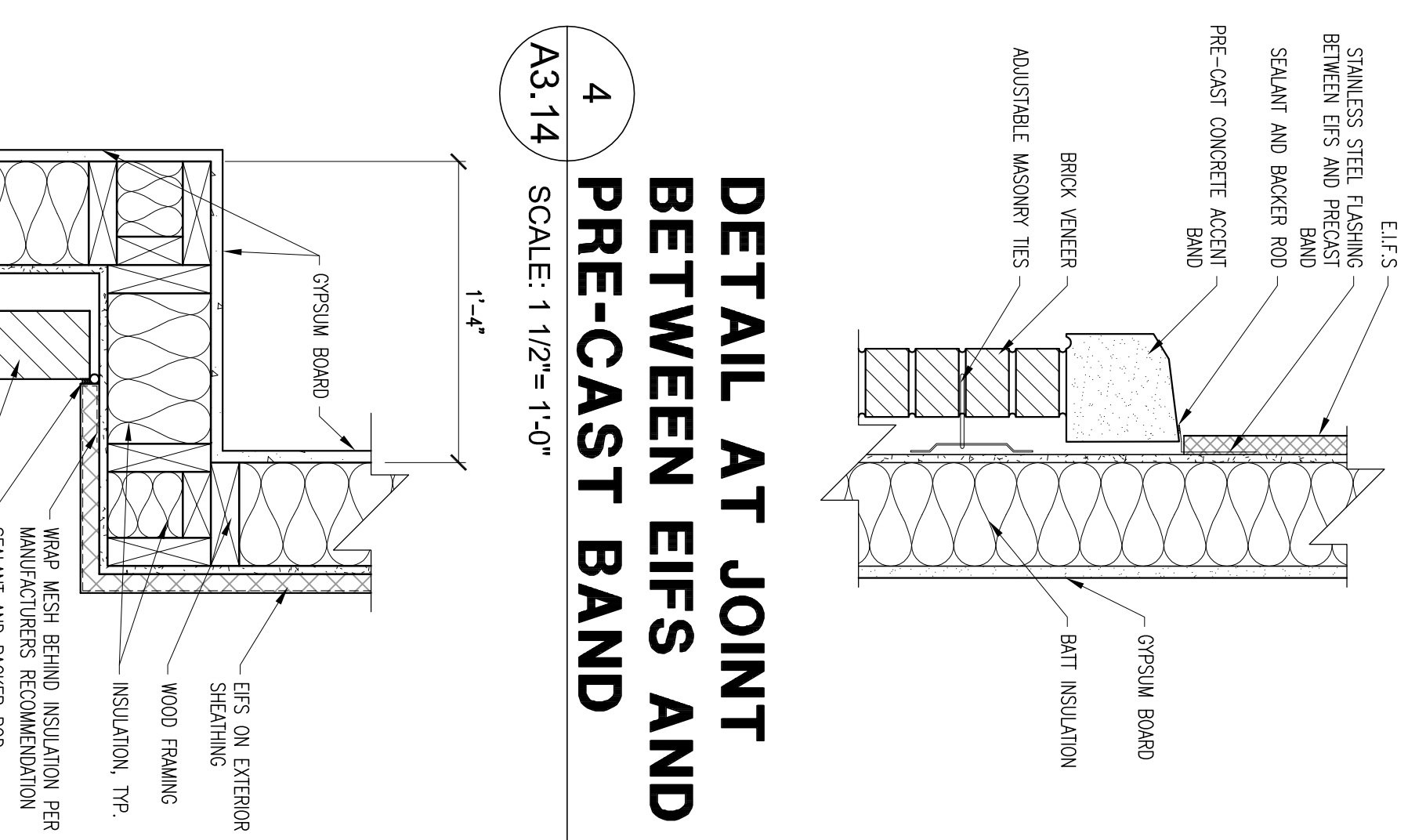
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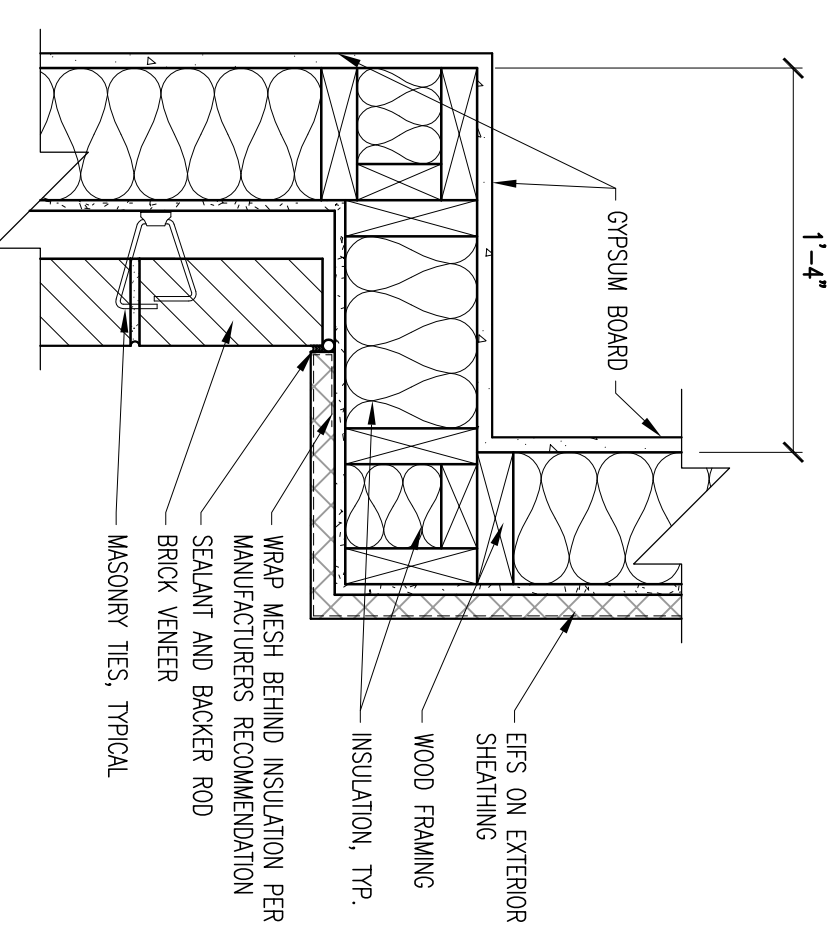
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**ENTRY @ 2ND FLOOR**  
A3.14 SCALE: 1 1/2" = 1'-0"



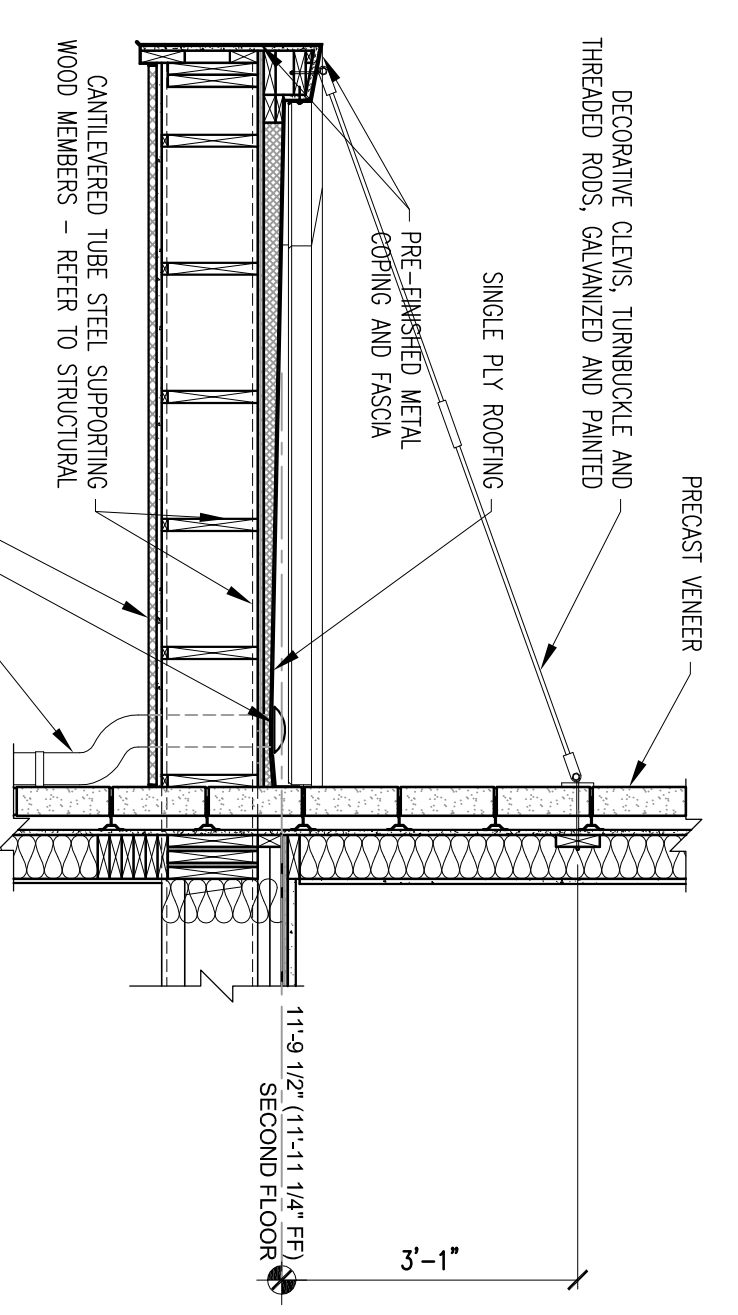
**5**  
**DETAIL AT DECK AND BUILDING 2ND FLOOR**  
A3.14 SCALE: 1 1/2" = 1'-0"



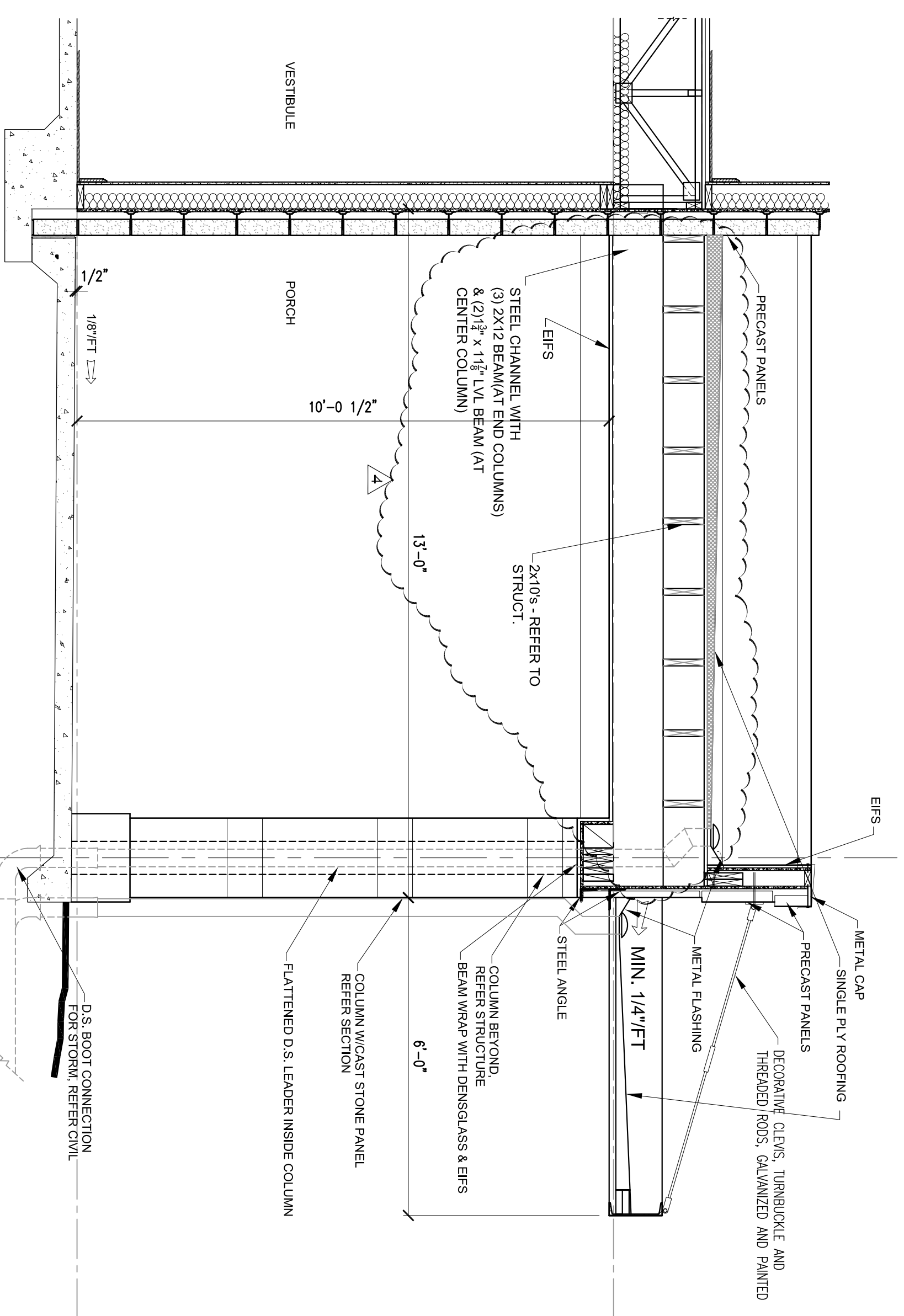
**4**  
**DETAIL AT JOINT BETWEEN EIFS AND PRE-CAST BAND**  
A3.14 SCALE: 1 1/2" = 1'-0"



**3**  
**PLAN DETAIL**  
A3.14 SCALE: 1 1/2" = 1'-0"



**2**  
**CANOPY SECTION**  
A3.14 SCALE: 1 1/2" = 1'-0"



**1**  
**CANOPY SECTION**  
A3.14 SCALE: 1 1/2" = 1'-0"

**ALLEN WILSON III L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

**OLIVER HOUSE**  
Allen Wilson  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.  
2727 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7368 | LIC. NO. AA 0002442  
E: info@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KELLY

**Structural Engineer**  
**STRUCUTRAL CONSULTING GROUP**  
6250 SHILOH RD SUITE 330  
LITTLE ROCK, AR 72114  
Phone: 501-221-4400  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Shadedown Road, Suite 200  
Norcross, GA 30092  
770-441-5547 Fax: 770-444-8282  
Contact: VERNI SMITH



Revision	Description	Date
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2	As Issued	2/21/11
3	As Issued	4/11/11
4	As Issued	4/15/11

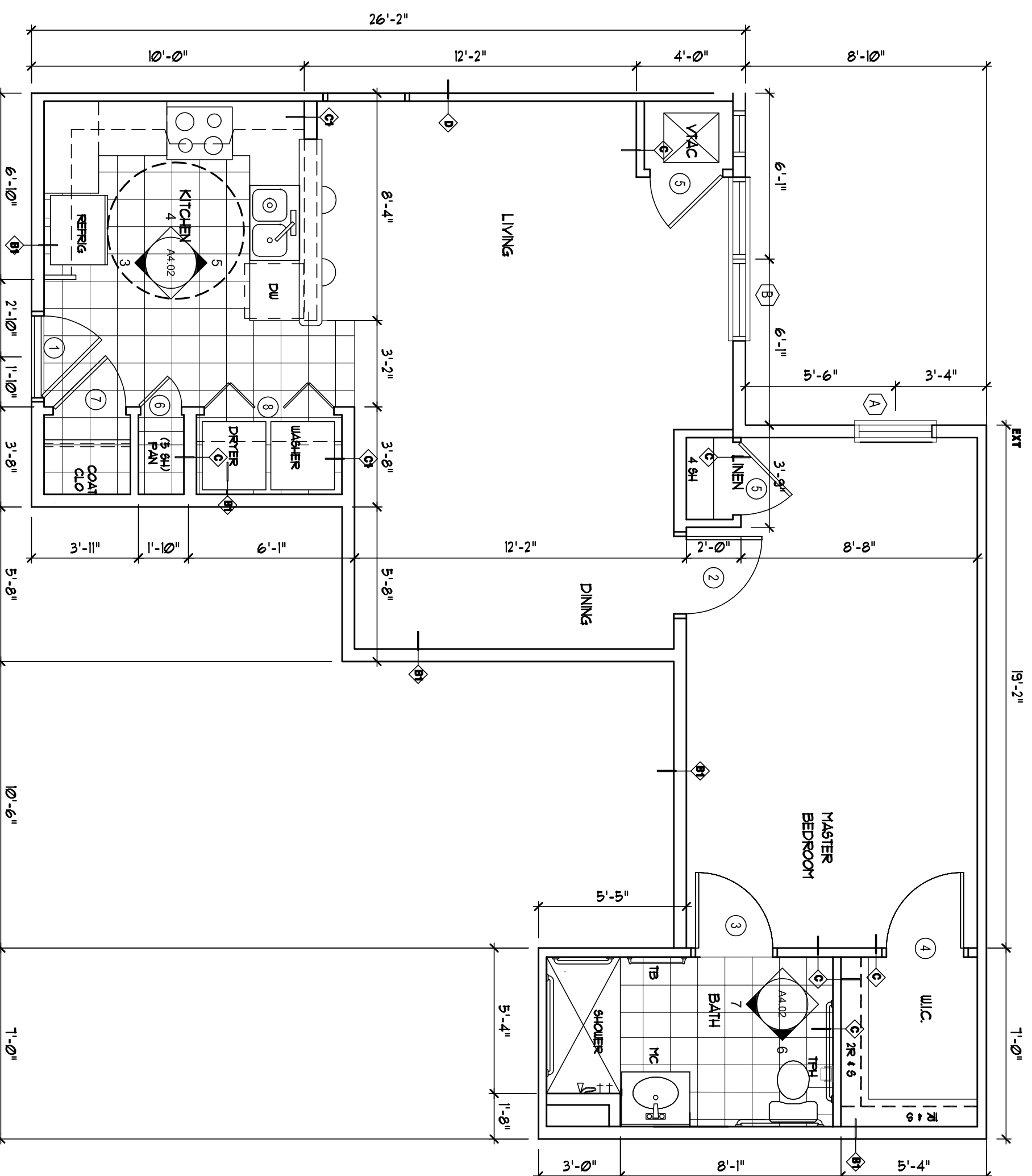
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**WALL SECTIONS AND DETAILS**

Scale  
August 1, 2011

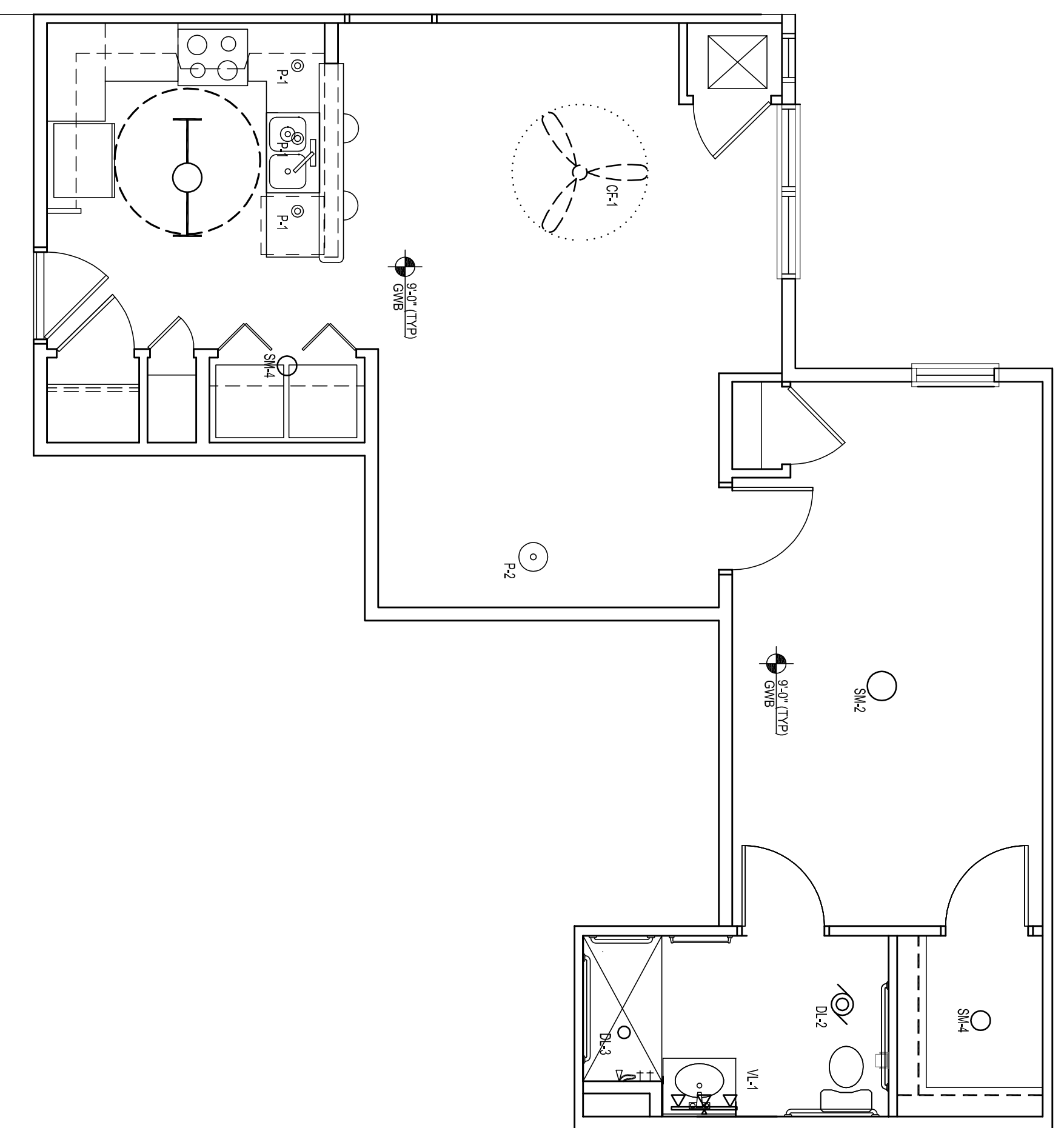
Sheet Number  
**A3.14**

Professional of Record: Stewart Allen  
Professional Registration No. CA 3015  
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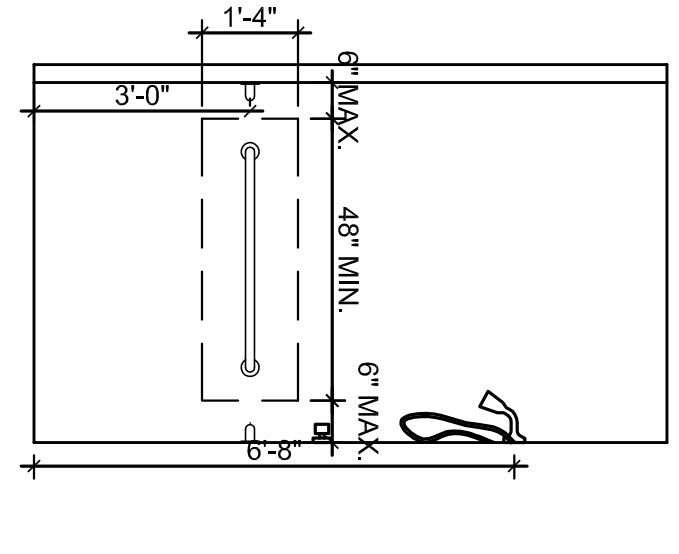
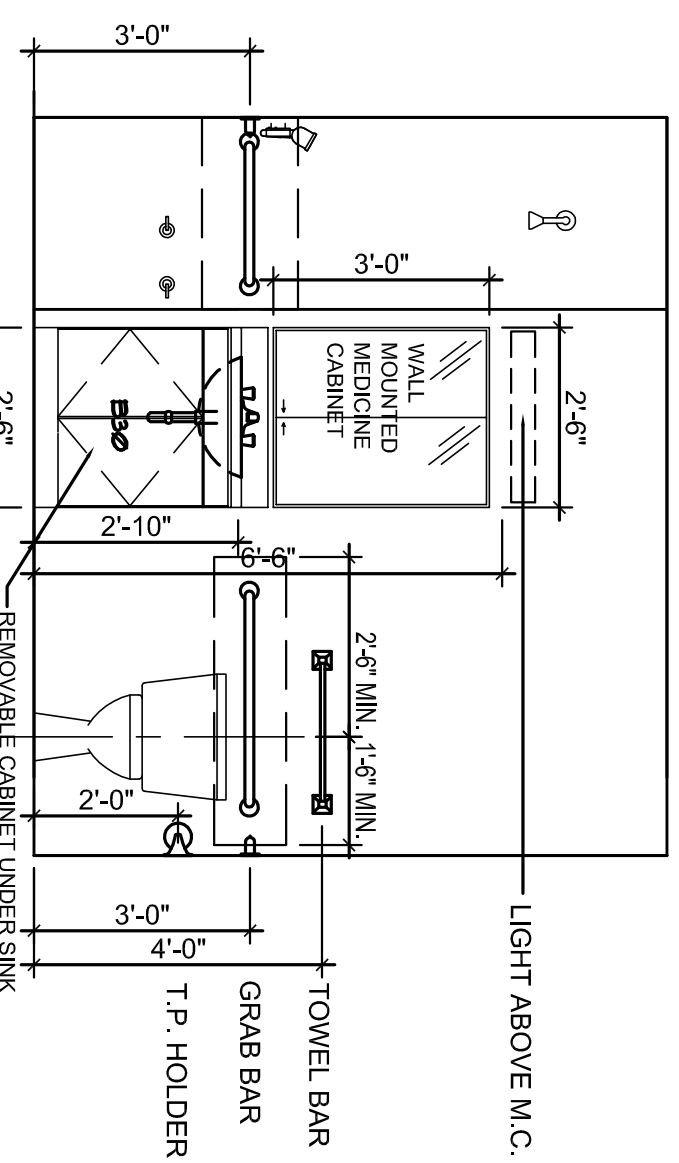
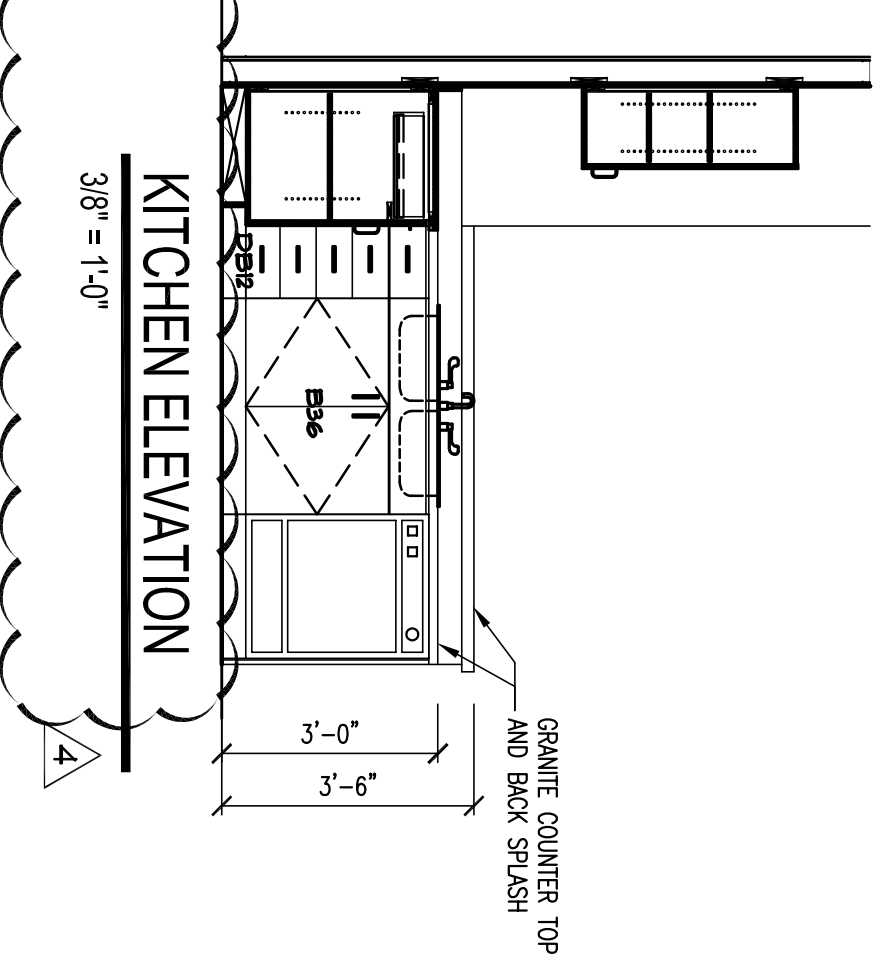
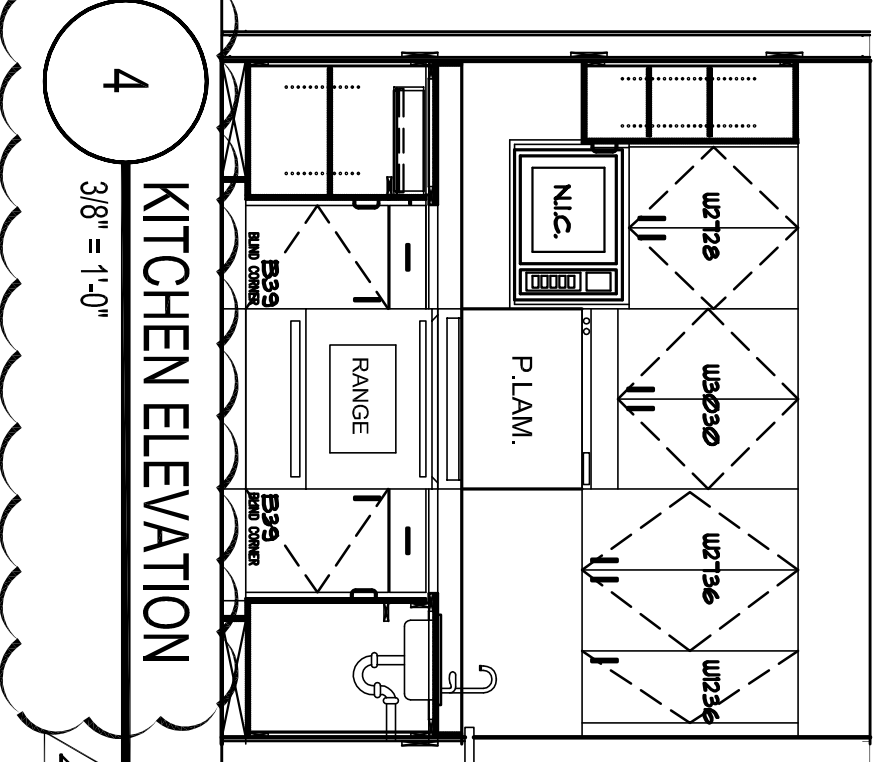
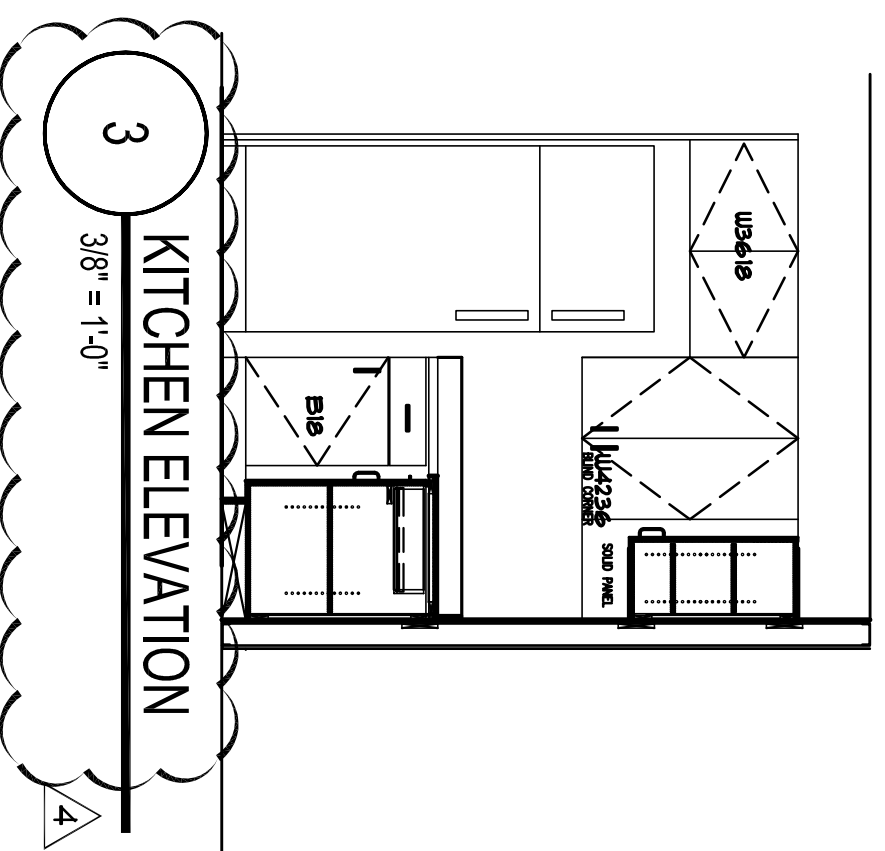
1  
1/4" = 1'-0"



2  
1/4" = 1'-0"

UNIT LIGHT FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	QUANTITY
FL1	RECESSED DOWN LIGHT	1
FL2	RECESSED DOWN LIGHT	1
FL3	RECESSED DOWN LIGHT	1
FL4	RECESSED DOWN LIGHT	1
FL5	RECESSED DOWN LIGHT	1
FL6	RECESSED DOWN LIGHT	1
FL7	RECESSED DOWN LIGHT	1
FL8	RECESSED DOWN LIGHT	1
FL9	RECESSED DOWN LIGHT	1
FL10	RECESSED DOWN LIGHT	1
FL11	RECESSED DOWN LIGHT	1
FL12	RECESSED DOWN LIGHT	1



INTERIOR FINISH LEGEND

- RESIDENTIAL AREA FINISHES:**  
**CARPET (Bedroom & Living room)**  
 CPT-1 : Mohawk "Properties" Smartstrand® 756 Nomad with pad
- SOLID VINYL (Kitchen, Bathroom, Laundry)**  
 VF-1 FLOOR-FOLIO 3MM Thick with 20MIL Wear Layer, 20 Year Warranty, 4'x36" planks Color/Pattern TBD by Architect/owner (Owners option to go with Enviroquik backing with 12 mil wear layer)
- PAINT**
- P-1 (Wall Color): SW 6084 Modest White - Eggshell (Semi Gloss in Kitchen/Bath)
  - P-2 (Door & Trim): SW 0050 Classic Light Buff - Semi Gloss
  - P-3 (Accent Color - Living Room): SW 6067 Mocha (One Wall)
  - P-4 (Accent Color - Bedroom): SW 6113 Interactive Cream (One Wall)
  - P-5 (Ceiling Color): SW Ceiling White (Flat)
- Kitchen & Bathroom Countertops:** Granite (3 CM THK)
- Cabinetry:** Calligaris Indistyle, Wiggins Warm Cherry, Glaston, Aquila, selected by owner  
 (Where blind cabinet occur, provide shelving into the blind portion of the cabinet)
- Window Sills:** Minco Marble #7800, Solid Almond (Mat Finish)



**HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
 T: 404.233.4488 F: 404.233.7358 | LIC. NO. AA 0002442  
 E: info@hadp.com | www.hadp-architect.com

**Structural Engineer**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

**Structural Engineer**  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILOH RD SUITE 330  
 NORTWICK, GA 30069  
 Phone: 770-687-8600  
 Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
 4275 Stonehaven Road, Suite 200  
 Norcross, GA 30093  
 770-447-3547 Fax: 770-444-8292  
 Contact: VERN SMITH

**ALLEN WILSON III L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

**OLIVER HOUSE**  
 ALLEN WILSON  
 Commerce Drive  
 Decatur, Georgia

Scale: 1/8" = 1'-0" Date: August 1, 2011

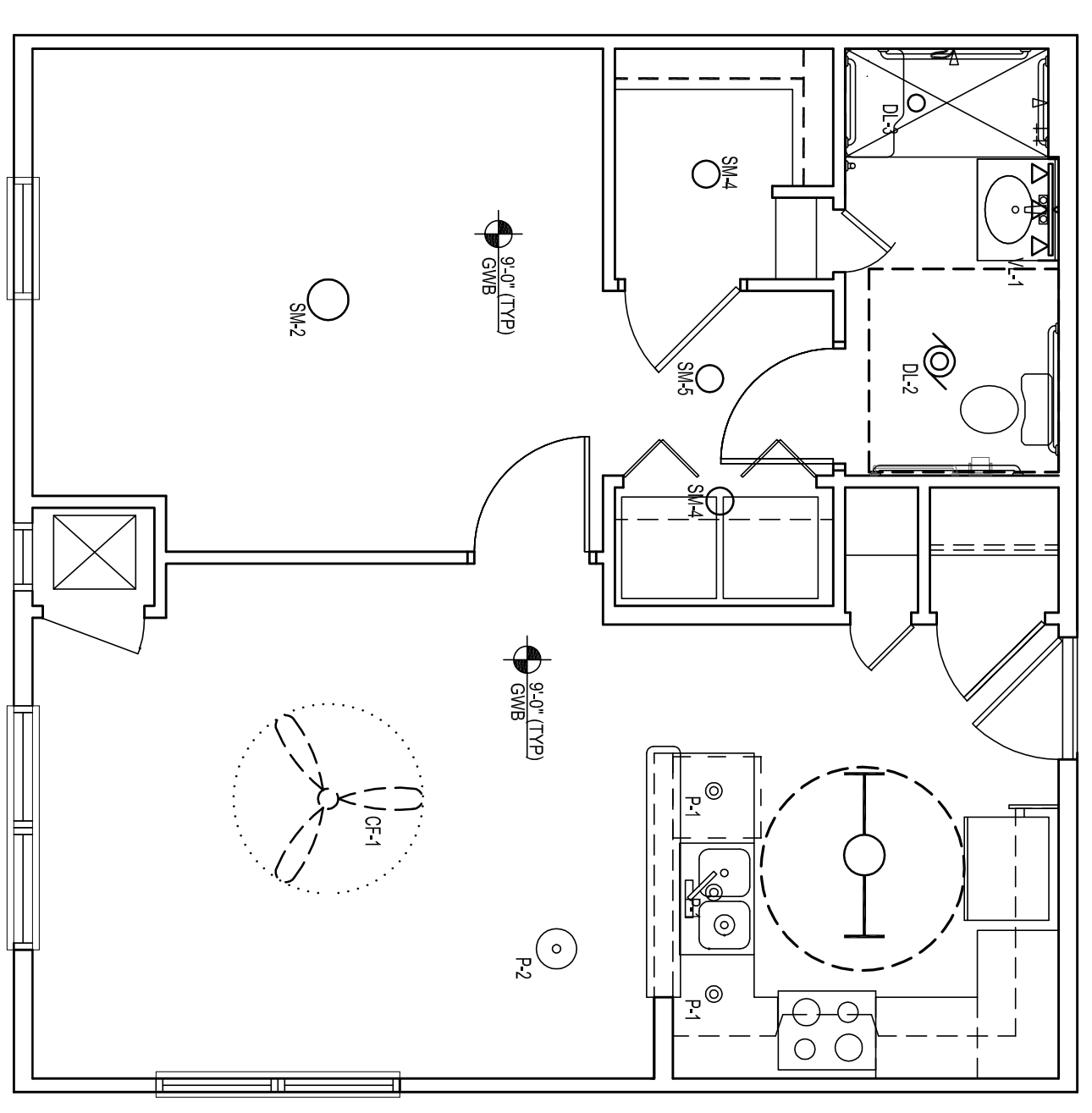
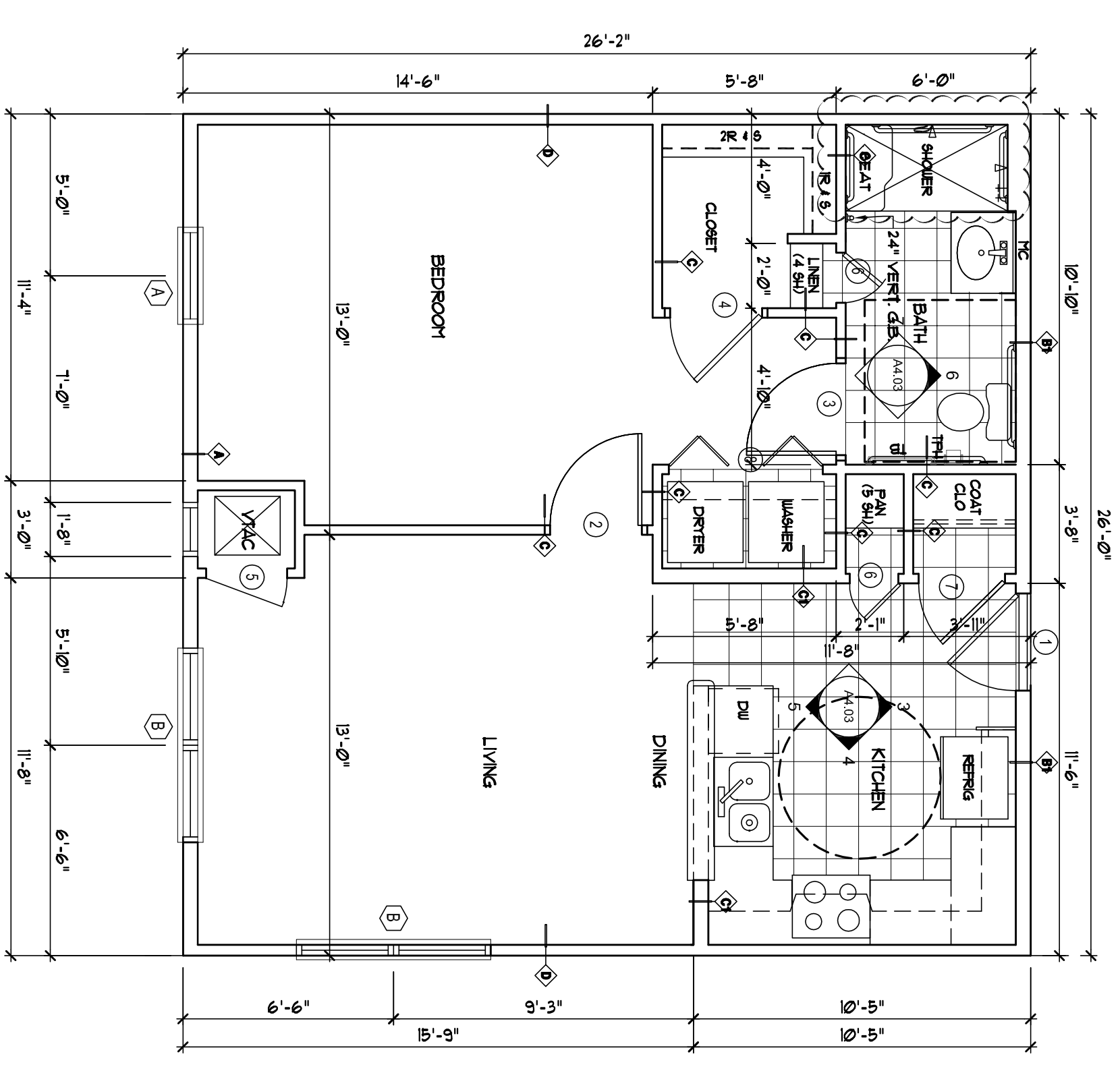
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Sheet Number: A4.02

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4	4	4	

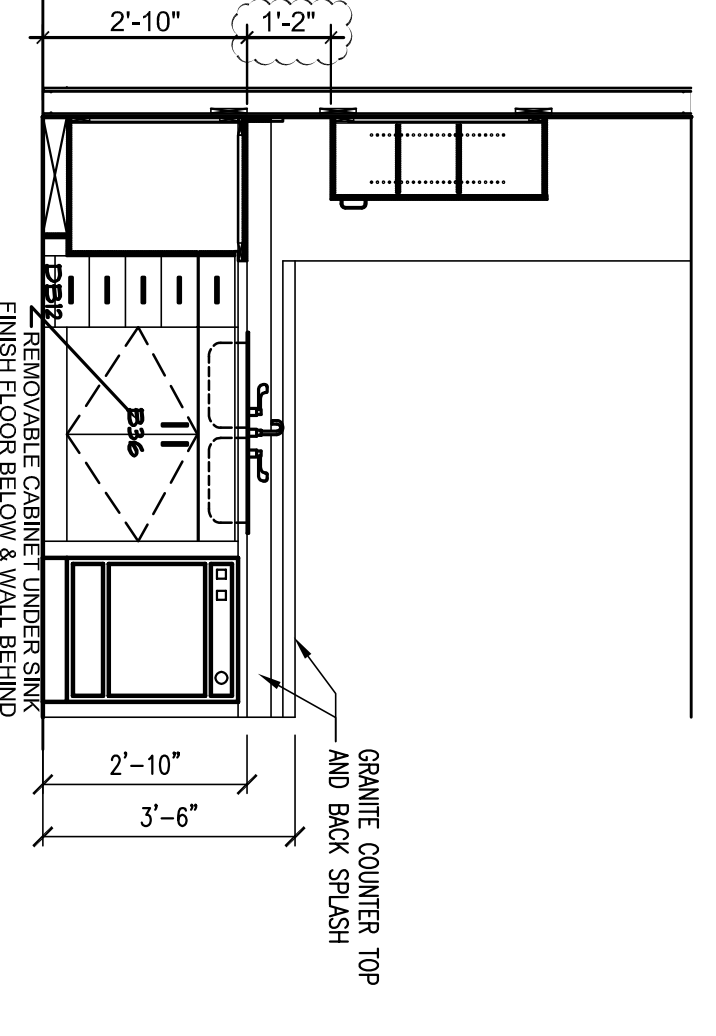
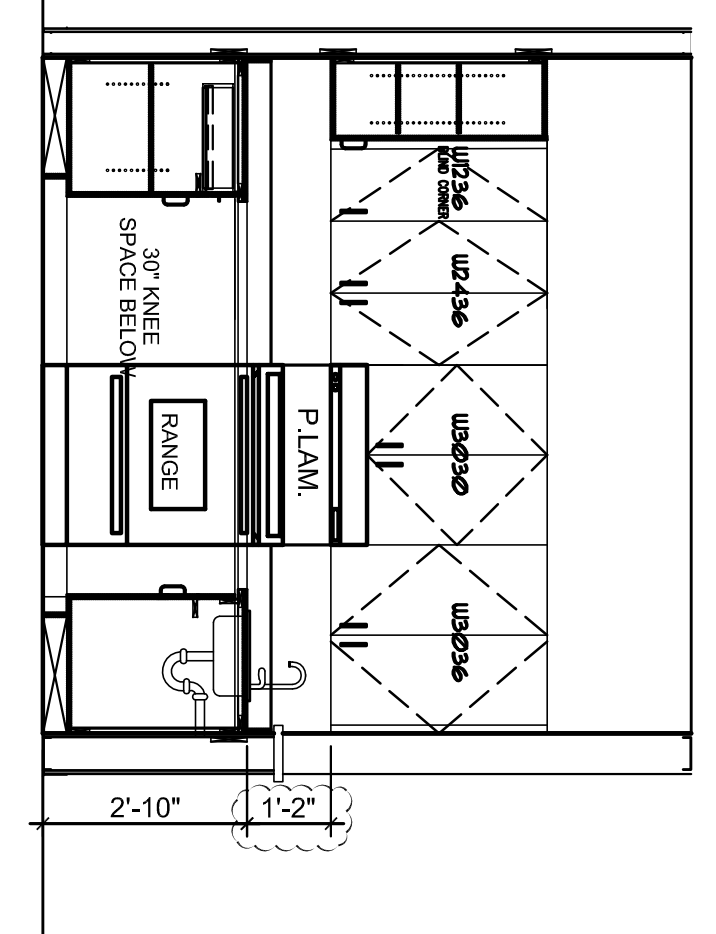
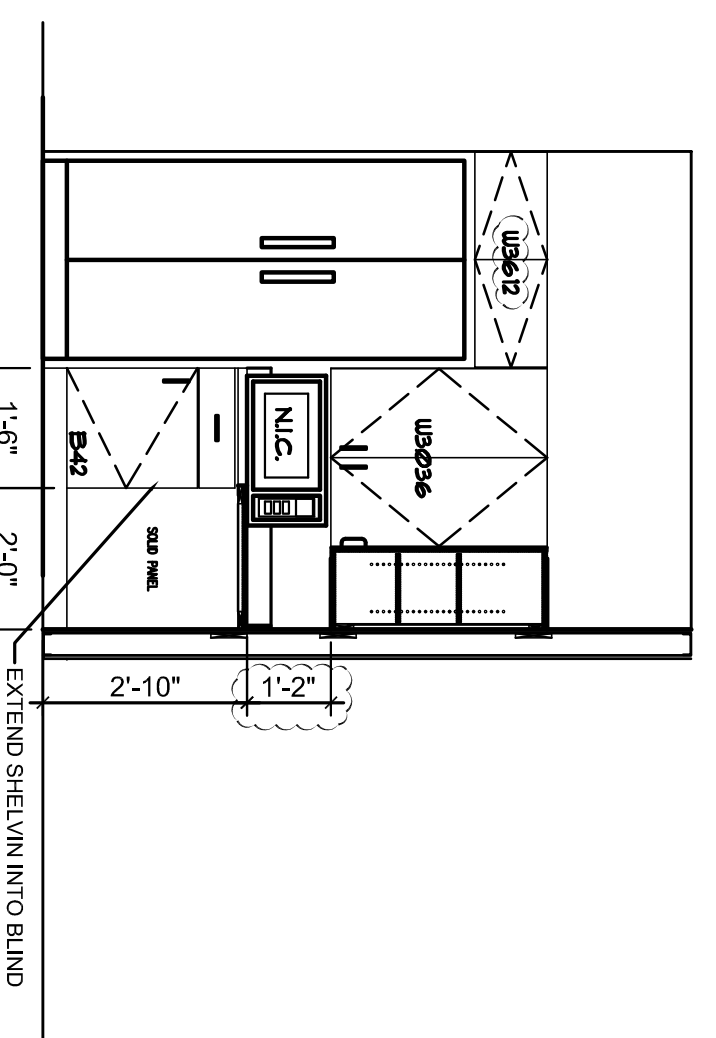
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1	ADDITUM#1	2/10/11
2	ADDITUM#2	22/1/11
3	ADDITUM#3	4/1/11
4	ADDITUM#4	4/1/11

Project No.: AH09132.00  
 Title Block: UNIT 1BR-B PLANS  
 Professional Registration No.: GA 3051



1  
1/4" = 1'-0"  
UNIT 1B-R-C FLOOR PLAN - HC UNIT - 680 SF

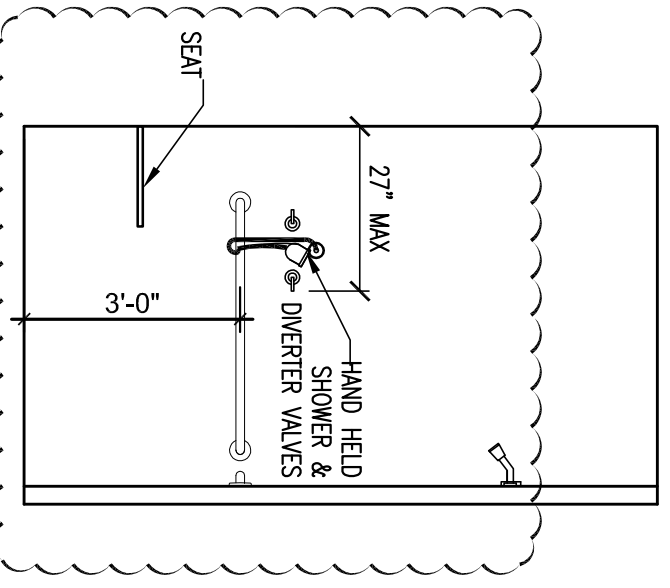
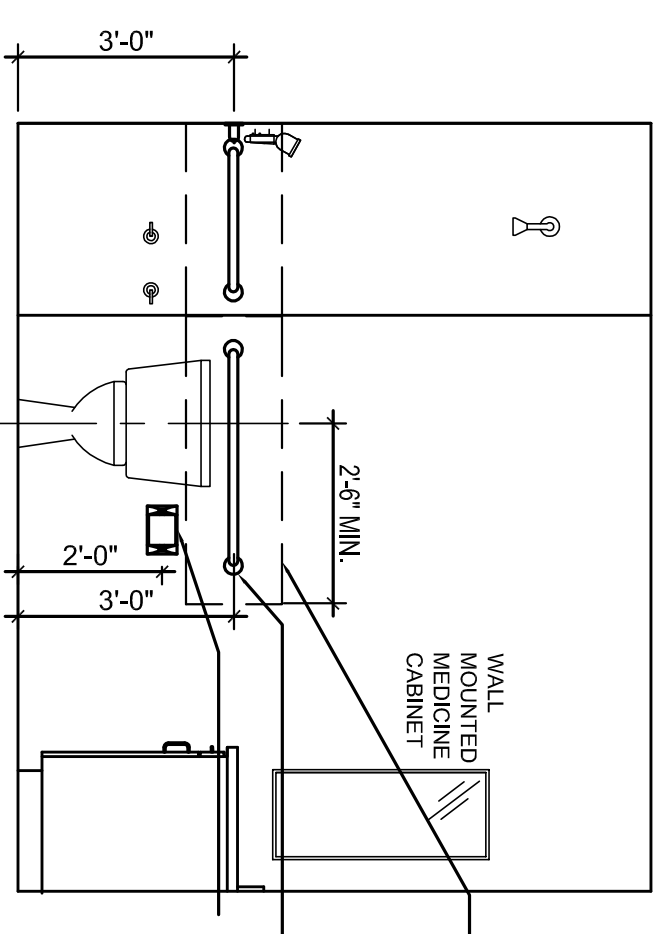
2  
1/4" = 1'-0"  
UNIT 1B-R-C REFLECTED CEILING PLAN



3  
3/8" = 1'-0"  
KITCHEN ELEVATION

4  
3/8" = 1'-0"  
KITCHEN ELEVATION

5  
3/8" = 1'-0"  
KITCHEN ELEVATION



6  
3/8" = 1'-0"  
BATHROOM ELEVATION

7  
3/8" = 1'-0"  
BATHROOM ELEVATION

UNIT LIGHT FIXTURE SCHEDULE

NO.	SYMBOL	DESCRIPTION	COMMENTS
1	(Symbol)	RECESSED DOWN LIGHT 4" DIA. (120V)	
2	(Symbol)	RECESSED DOWN LIGHT 6" DIA. (120V)	
3	(Symbol)	RECESSED DOWN LIGHT 8" DIA. (120V)	
4	(Symbol)	RECESSED DOWN LIGHT 10" DIA. (120V)	
5	(Symbol)	RECESSED DOWN LIGHT 12" DIA. (120V)	
6	(Symbol)	RECESSED DOWN LIGHT 14" DIA. (120V)	
7	(Symbol)	RECESSED DOWN LIGHT 16" DIA. (120V)	
8	(Symbol)	RECESSED DOWN LIGHT 18" DIA. (120V)	
9	(Symbol)	RECESSED DOWN LIGHT 20" DIA. (120V)	
10	(Symbol)	RECESSED DOWN LIGHT 24" DIA. (120V)	
11	(Symbol)	RECESSED DOWN LIGHT 30" DIA. (120V)	
12	(Symbol)	RECESSED DOWN LIGHT 36" DIA. (120V)	
13	(Symbol)	RECESSED DOWN LIGHT 42" DIA. (120V)	
14	(Symbol)	RECESSED DOWN LIGHT 48" DIA. (120V)	
15	(Symbol)	RECESSED DOWN LIGHT 54" DIA. (120V)	
16	(Symbol)	RECESSED DOWN LIGHT 60" DIA. (120V)	
17	(Symbol)	RECESSED DOWN LIGHT 72" DIA. (120V)	
18	(Symbol)	RECESSED DOWN LIGHT 84" DIA. (120V)	
19	(Symbol)	RECESSED DOWN LIGHT 96" DIA. (120V)	
20	(Symbol)	RECESSED DOWN LIGHT 108" DIA. (120V)	
21	(Symbol)	RECESSED DOWN LIGHT 120" DIA. (120V)	

### HANDICAP NOTES

- A. Entry Doors: Front and rear doors to be 3'-0" wide 50" AFF, and 1 at 40" AFF. Provide lever type door latch. Threshold to have a maximum height of 1/2" and minimum width of 5" and to be beveled with a slope no greater than 1:2.
- B. Interior Doors: All bedroom, bathroom, kitchen and hall doors to be 2'-0" minimum. On latch side of door provide 18" clear space. At doors not requiring full user passage (closets) provide 2'-0" wide door (minimum). All interior doors to have lever type door latch.
- D. Bathrooms:
  - 1. Lavatory: Sit to be Maximum of 34" AFF. Clear height to be 80" AFF. Provide 1" x 1" floor drains. Insulate all exposed pipes and provide lever type faucets.
  - 2. Water Closets: Top of toilet seat to be between 15" and 18" AFF. Provide 2" diameter grab bar centered on side wall centered 36" AFF. 36" AFF. Provide 2" grab bars at shower. One bar 24" long on controls wall (opposite side of seat) 36" AFF. One bar 36" AFF. as indicated in internal elevation.
  - 3. Shower: Provide 2" grab bars at shower. One bar 24" long on controls wall (opposite side of seat) 36" AFF. One bar 36" AFF. as indicated in internal elevation.
- E. Closets: At clothes closets shelf and rod shall be adjustable from standard height 5'-4" and 5'-0" respectively to 4'-0" and 5'-8" respectively.
- F. Electrical:
  - 1. Outlets: Install all receptacles (p) above finished floor to bottom of device. (Except at kitchen and bath counters.)
  - 2. Switches: install all switches 4'-0" AFF. to top of device.
  - 3. Controls: install all wall mounted control devices (i.e. thermostats) 4'-0" to top of device (also shall have front control ) provide control switch for range hood below 4' AFF.
- G. Grab Bars: To be 1-1/2" outside diameter and be capable of supporting a 250 lb. dead load for five minutes. Grab bars shall be installed in a wall or wall and shall not rotate within their fittings.
- H. Mirrors: Provide fixed plate mirror above vanity.
- I. Transmitter for hearing impaired units to plug into receptacle adjacent to chime.
- J. Turn receiver for hearing impaired system over to Owner.
- K. Bath Fan: Provide wall switch with indicator light when switch is in "on" position at bath fan and at range hood.
- L. All units are to be constructed to meet Fed. Fair housing act.

### INTERIOR FINISH LEGEND

RESIDENTIAL AREA FINISHES:  
 CARPET (Bedroom & Living room)  
 CRT-1 : Mohawk "Properties" Smartstrand 756 Nomad with pad

SOLID VINYL (Kitchen, Bathroom, Laundry)  
 VF-1 FLOORFOLIO 3MM Thick With 20MIL Wear Layer, 20 Year Warranty, .4"x36" planks ColorPattern TBD by Architect/owner (Owners option to go with Enviroquile backing with 12 mil wear layer)

PAINT  
 P-1 (Wall Color): SW 6084 Modest White - Eggshell (Semi Gloss in Kitchen/Bath)  
 P-2 (Door & Trim): SW 0050 Classic Light Buff - Semi Gloss  
 P-3 (Accent Color - Living Room): SW 6067 Mocha (One Wall)  
 P-4 (Accent Color - Bedroom): SW 6113 Interactive Cream (One Wall)  
 P-5 (Ceiling Color): SW Ceiling White (Flat)

Kitchen & Bathroom Countertops: Granite (3 CM THK)  
 Cabinetry: Captique InlayStyle, Vignette, Warm Cherry-Glassed or aquia-sageStyle By-over  
 (Where blind cabinet occur, provide shelving into the blind portion of the cabinet)  
 Window Sills: Minicy Marble #7800, Solid Almond (Mat Finish)



2722 PIEDMONT RD NE 1 ATLANTA, GEORGIA 30305  
 T: 770.253.4488 F: 770.253.7351 LIC. NO. AA 000242  
 E: info@hadp.com | www.hadp-architect.com

Kimley-Horn and Associates, Inc.  
 817 West Peachtree Street  
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Structural Consultant  
 STRUCTURAL CONSULTING GROUP  
 6250 SHILOH RD SUITE 330  
 LILY POND, GA 30095  
 PH: 770-962-4400  
 Contact: JOHN FLANNIKAN

Electric, Mechanical, Plumbing & Fire Protection Engineer  
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KEY PLAN

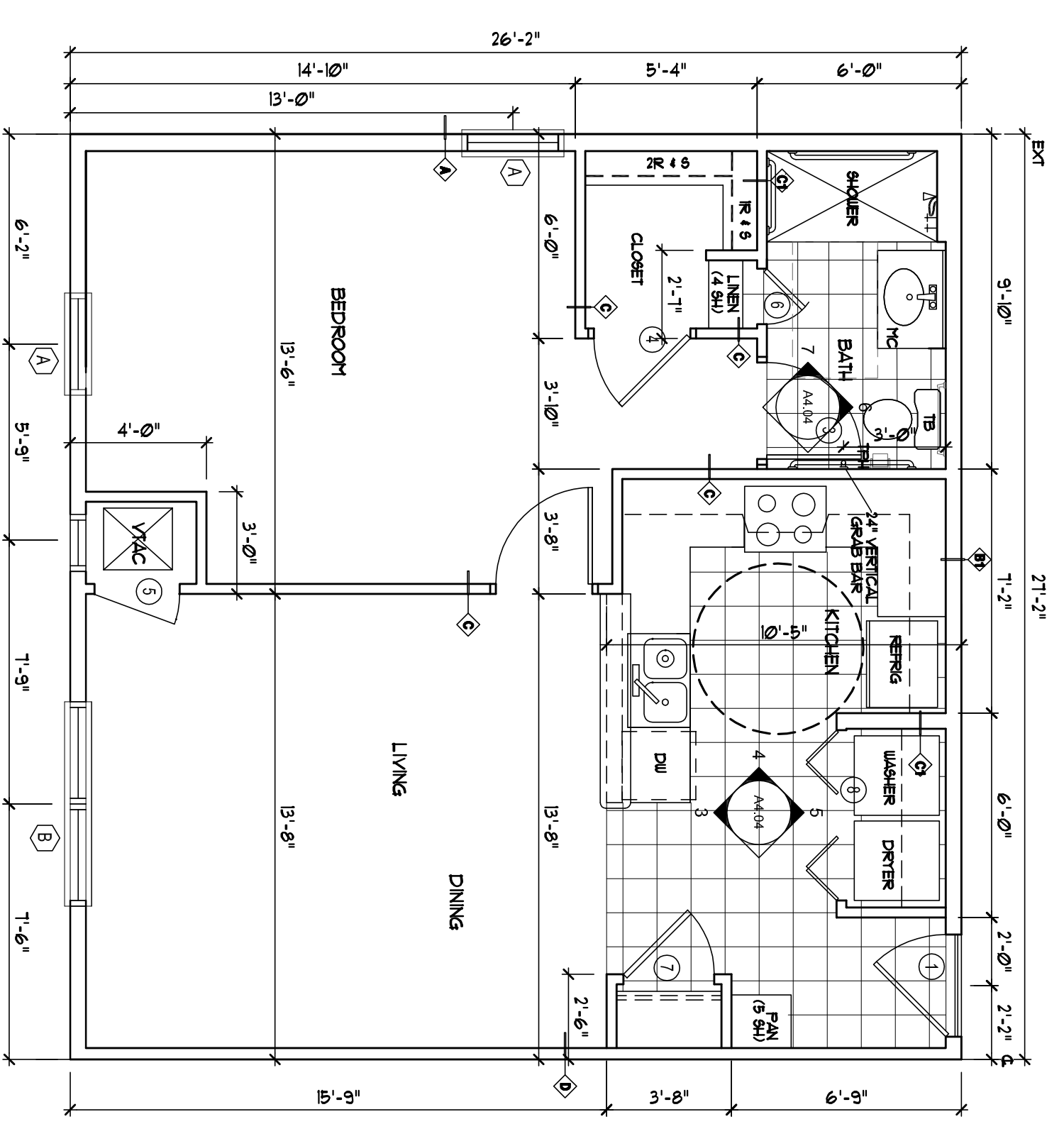
Revision	Description	Date
1	As Issued	2/10/11
2	As Issued	2/21/11
3	As Issued	4/11/11
4	As Issued	4/15/11

### UNIT 1B-R-C PLANS

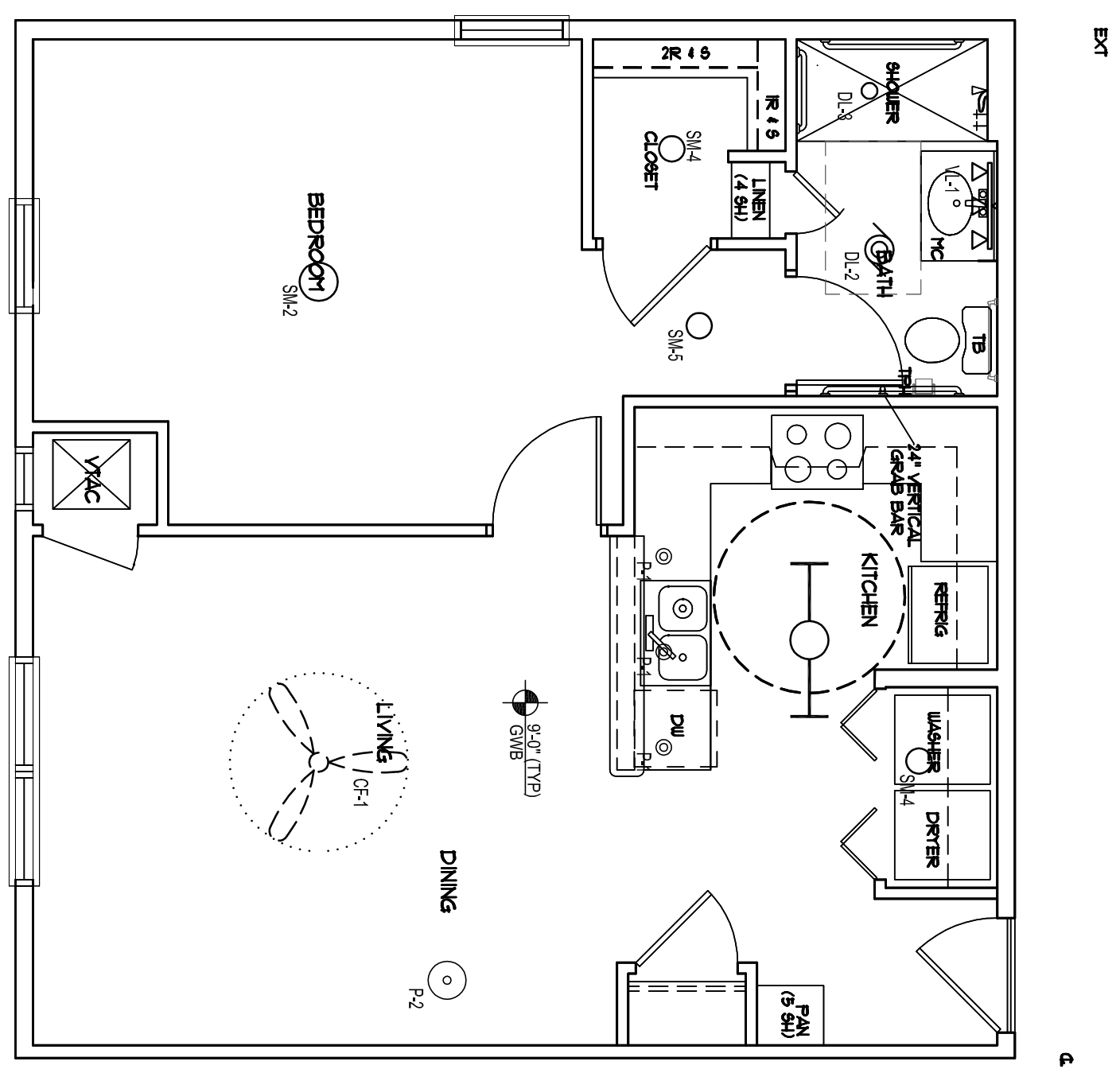
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Sheet Number  
**A4.03**

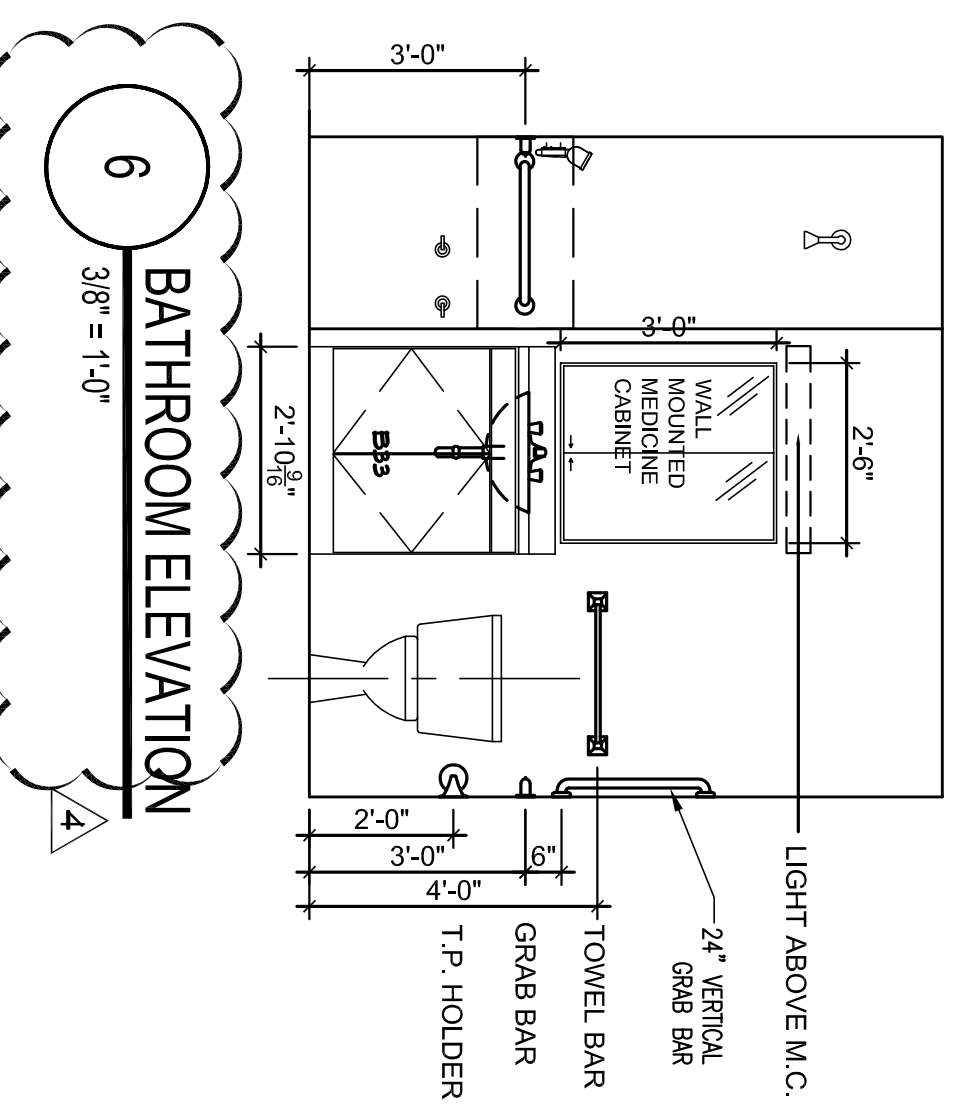
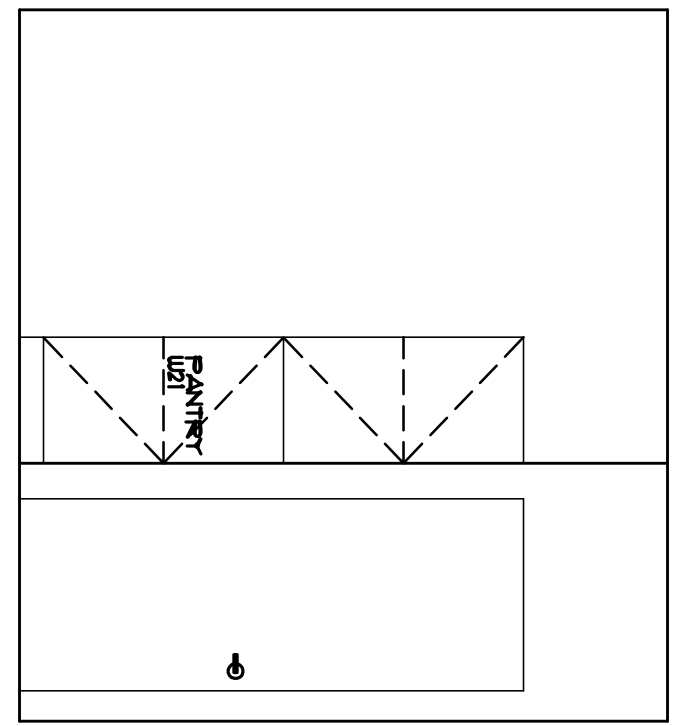
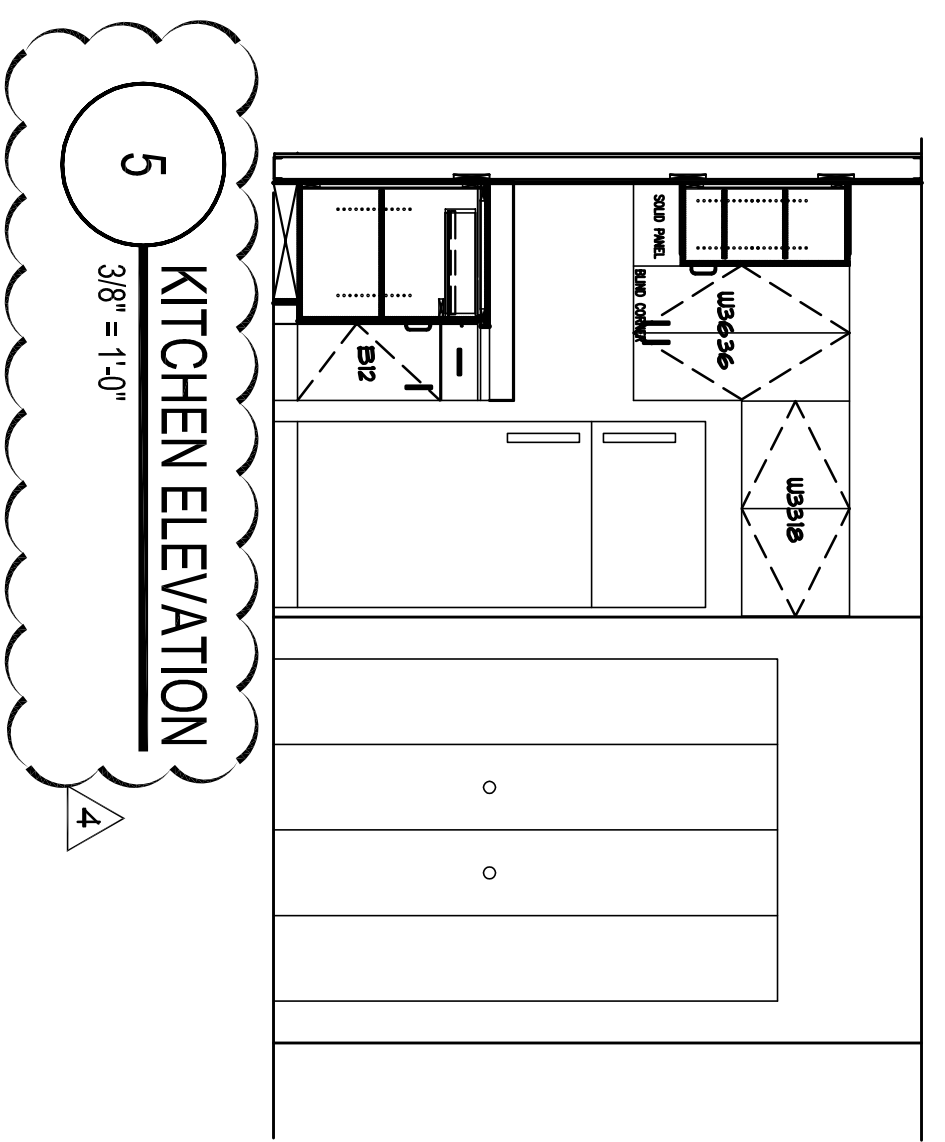
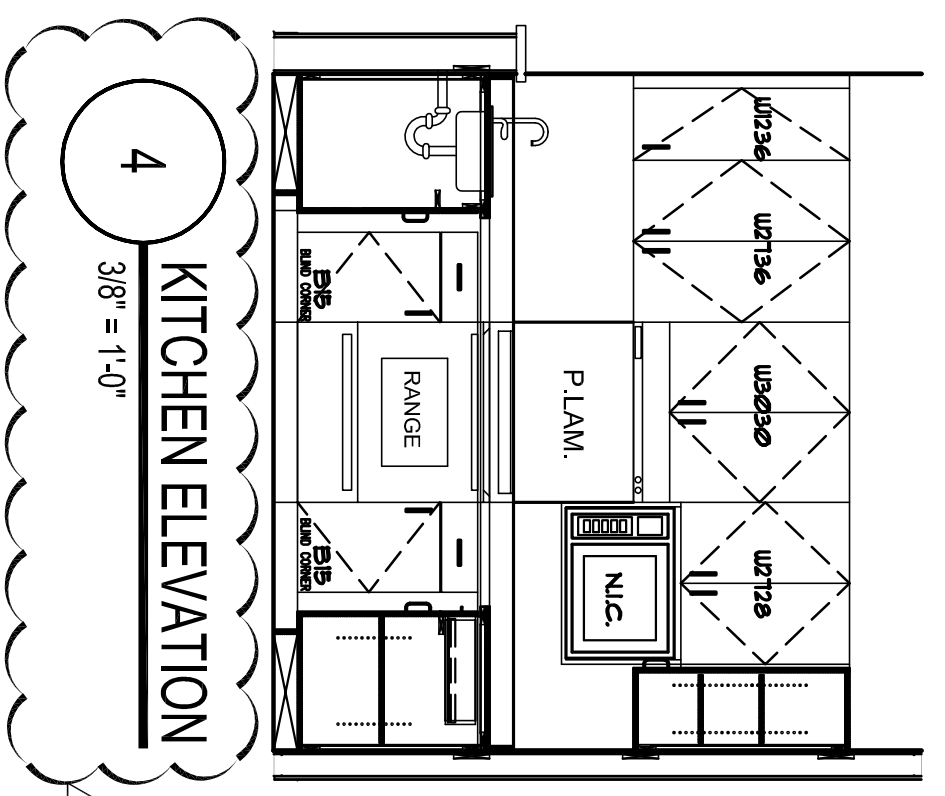
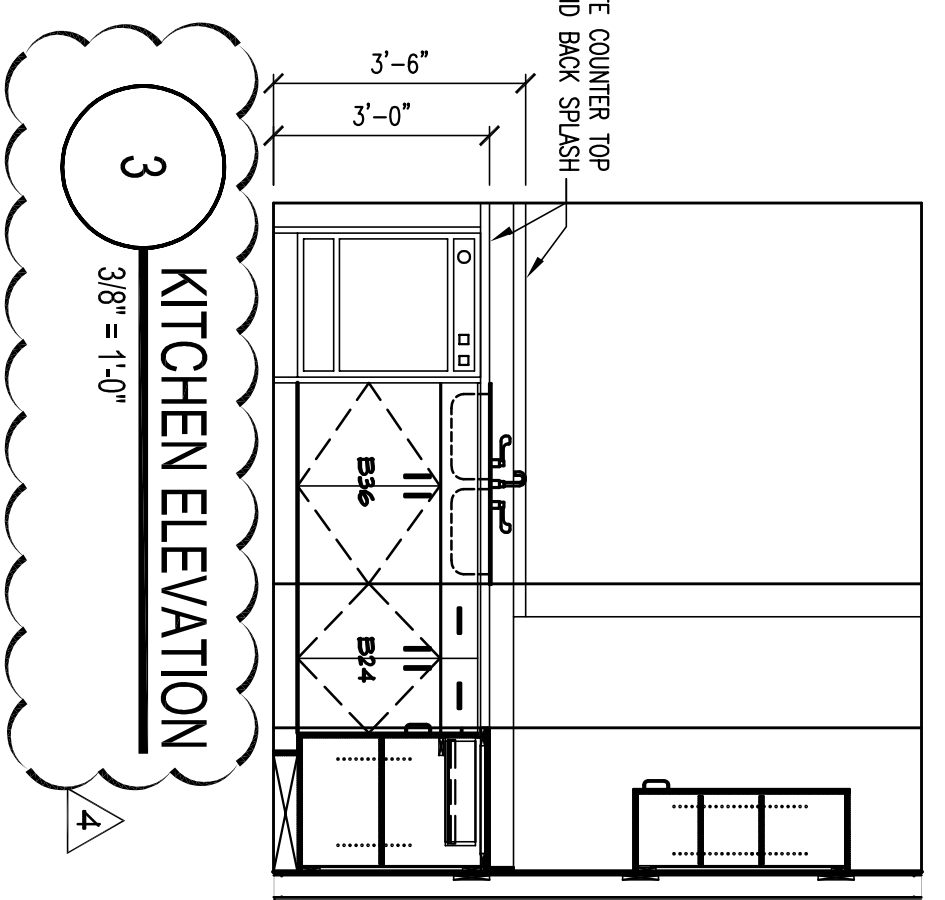
Professional of Record: Smart Allen  
 Professional Registration No. CA 3015  
 Seal: \_\_\_\_\_  
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1  
1/4" = 1'-0"



2  
1/4" = 1'-0"



UNIT LIGHT FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	COMMENTS
1	RECESSED SQUARE DOWN LIGHT	
2	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
3	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
4	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
5	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
6	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
7	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
8	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
9	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
10	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
11	RECESSED SQUARE DOWN LIGHT WITH DIMMER	
12	RECESSED SQUARE DOWN LIGHT WITH DIMMER	

INTERIOR FINISH LEGEND

RESIDENTIAL AREA FINISHES:

- CARPET (Bedroom & Living room)
- CPT-1: Mohawk "Properties" Smartstrand™ 756 Nomad with pad
- SOLID VINYL (Kitchen, Bathroom, Laundry)
- VE-1 FLOORFLO 3MM Thick with 20MIL Wear Layer, 20 Year Warranty, - 4'x36" planks, Color/Pattern TBD by Architect/owner (Owners option to go with Enviroquile backing with 12 mil wear layer)
- PAINT
- P-1 (Wall Color): SW 6084 Modest White - Eggshell (Semi Gloss in Kitchen/Bath)
- P-2 (Door & Trim): SW 0050 Classic Light Buff - Semi Gloss
- P-3 (Accent Color - Living Room): SW 6067 Mocha (One Wall)
- P-4 (Accent Color - Bedroom): SW 6113 Interactive Cream (One Wall)
- P-5 (Ceiling Color): SW Ceiling White (Flat)
- Kitchen & Bathroom Countertops: Granite (3 CM THK)
- Cabinetry, Cabinet Inlays, Windows, Mirrors, Glass, etc. as indicated by owner
- Where blind cabinet occur, provide shelving into the blind portion of the cabinet
- Window Sills: Mnoy Marble #7800, Solid Almond (Matr Finish)

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III, P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

OLIVER HOUSE

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

Structural Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Stevedore Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-0282  
Contact: VERN SMITH

STATE OF GEORGIA  
REGISTERED ARCHITECT  
1908

KEY PLAN

NO.	DESCRIPTION	DATE
1	Adopted/Amend	4/15/11
2	Adopted/Amend	2/21/11
3	Adopted/Amend	4/11/11
4	Adopted/Amend	4/11/11

Scale 1/8" = 1'-0"

Date August 1, 2011

Drawing Title UNIT 1B-R-E PLANS

Project No. AH09132.00

File Name

Sheet Number

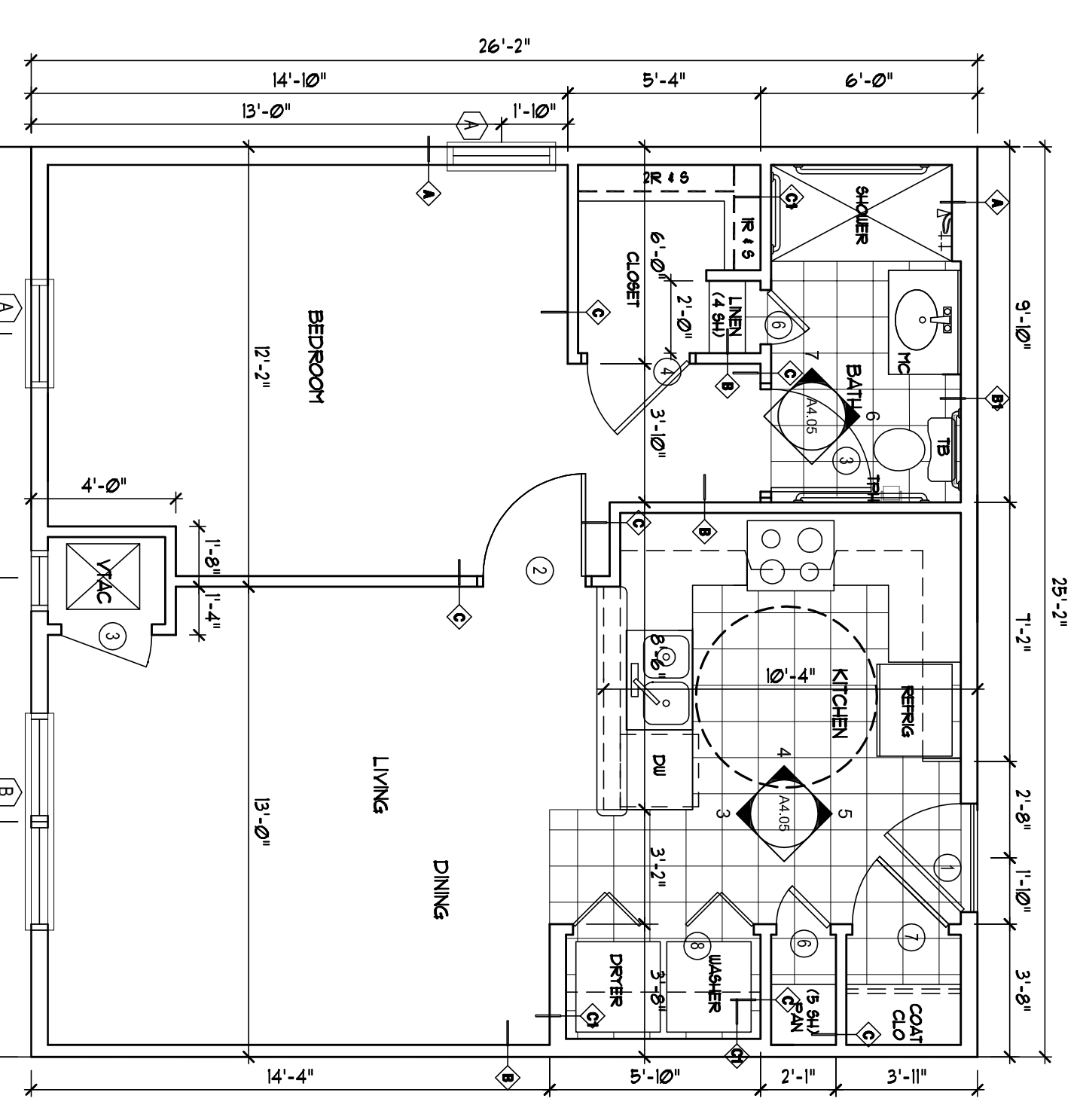
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Professional of Record: Stewart Allen  
Professional Registration No. GA 3015

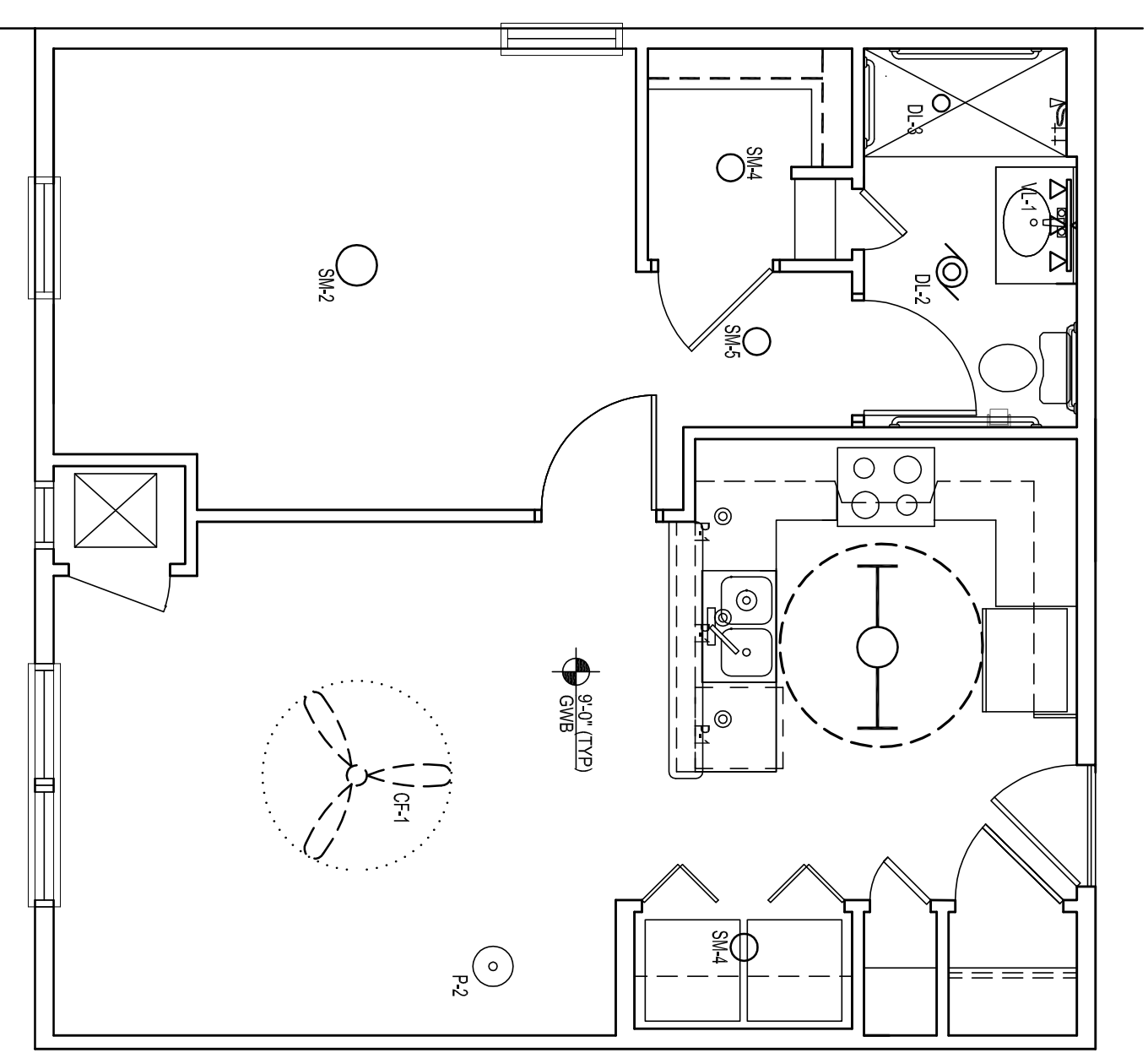
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SYMBOL	DESCRIPTION	COMMENTS
	RECESSED CEILING LIGHT FIXTURE	
	RECESSED CEILING LIGHT FIXTURE WITH LOCATION	
	RECESSED CEILING LIGHT FIXTURE	
	RECESSED CEILING LIGHT FIXTURE	
	RECESSED CEILING LIGHT FIXTURE	
	RECESSED CEILING LIGHT FIXTURE	
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	RECESSED CEILING LIGHT FIXTURE	

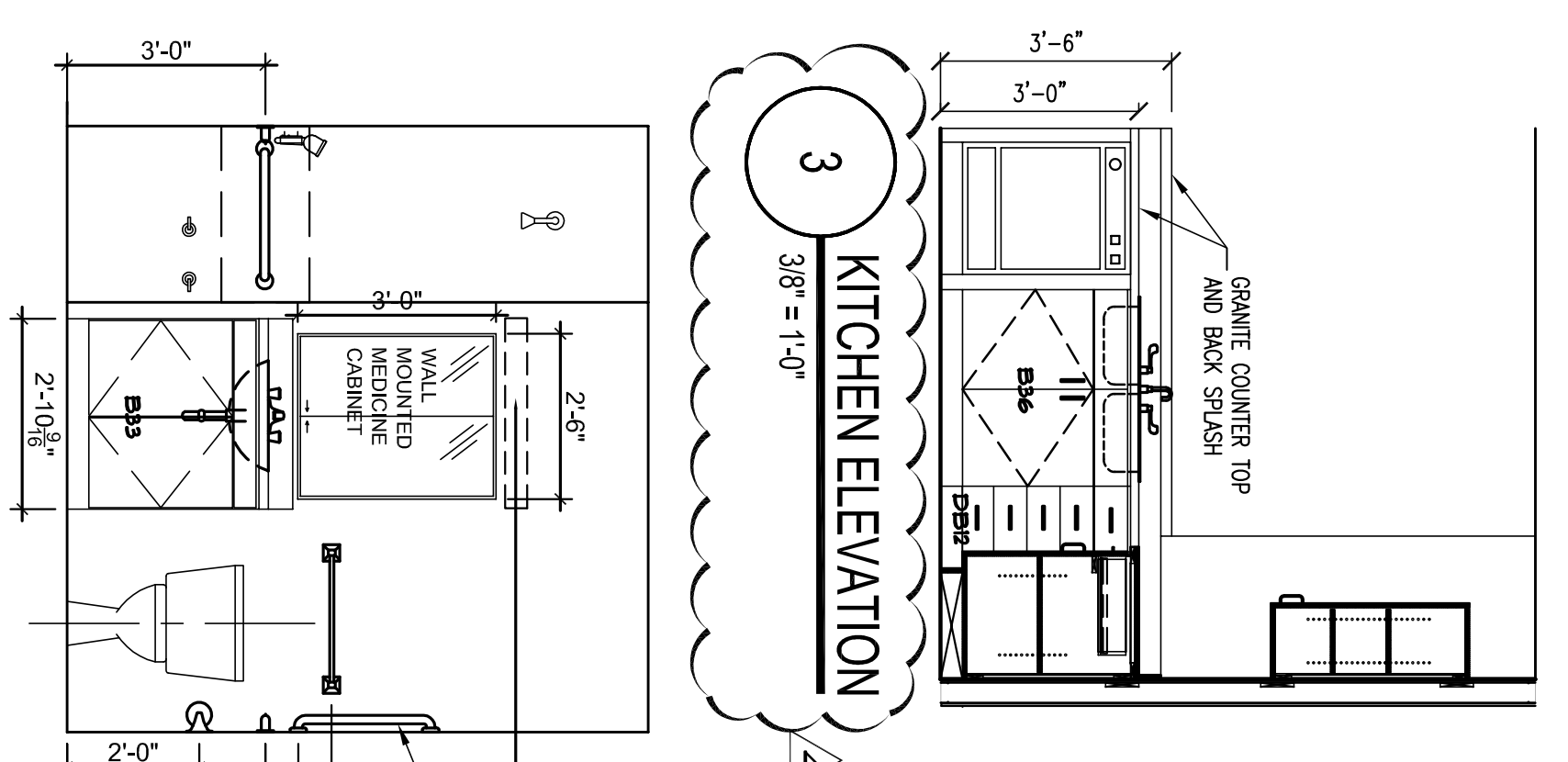
UNIT LIGHT FIXTURE SCHEDULE



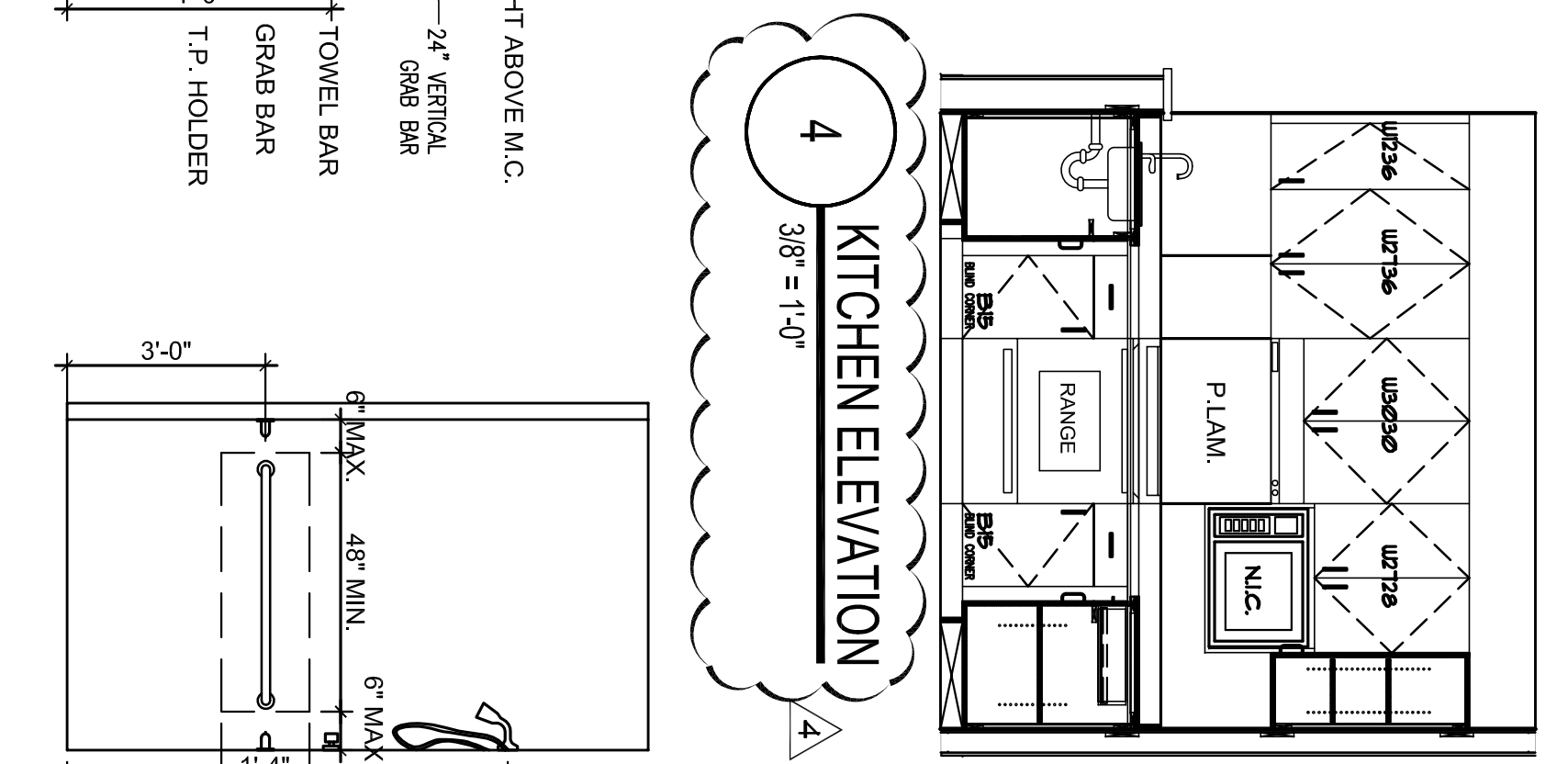
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1/4" = 1'-0"  
UNIT 1BRK FLOOR PLAN - 659 SF



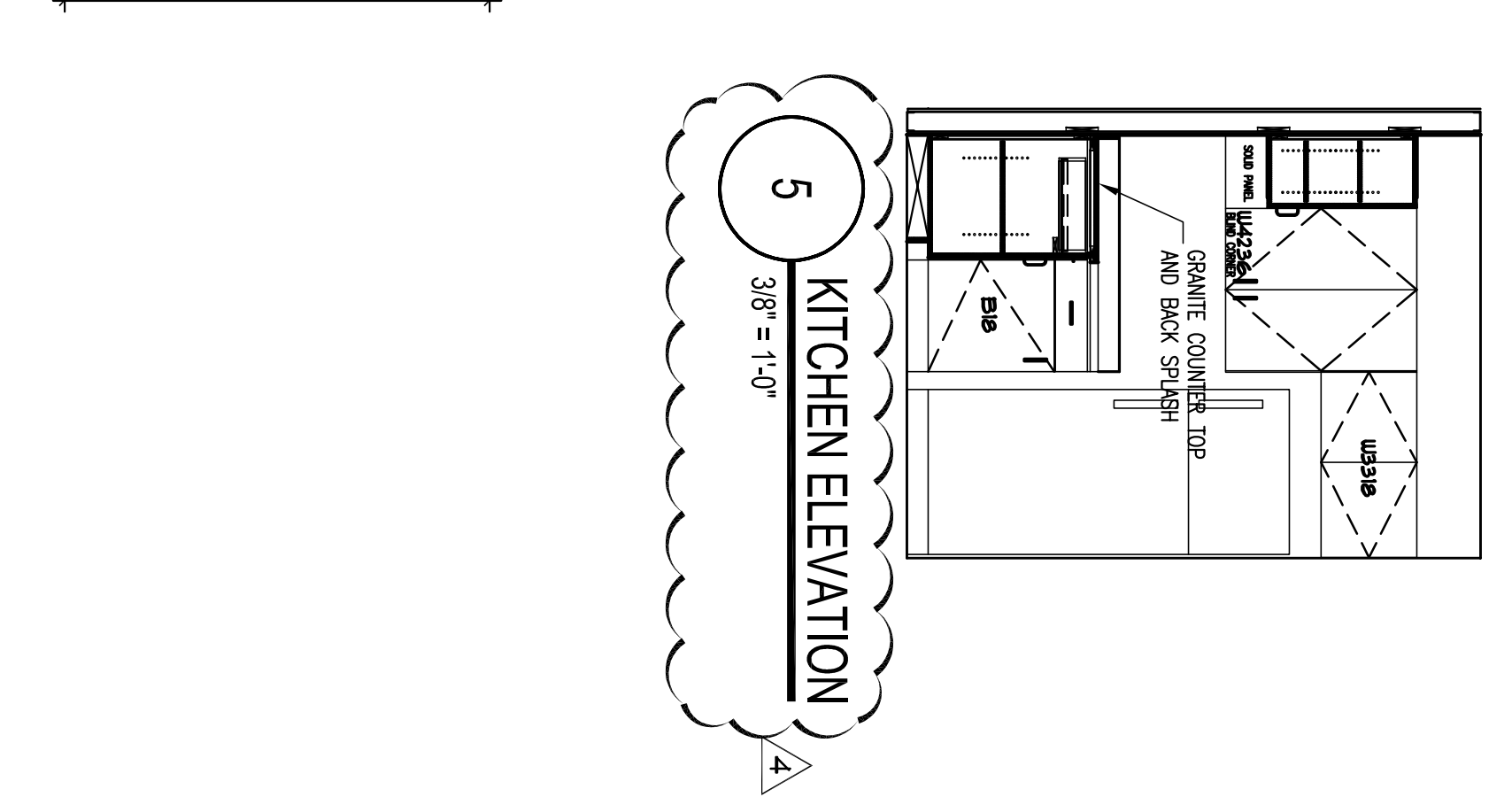
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UNIT 1BRK REFLECTED CEILING PLAN



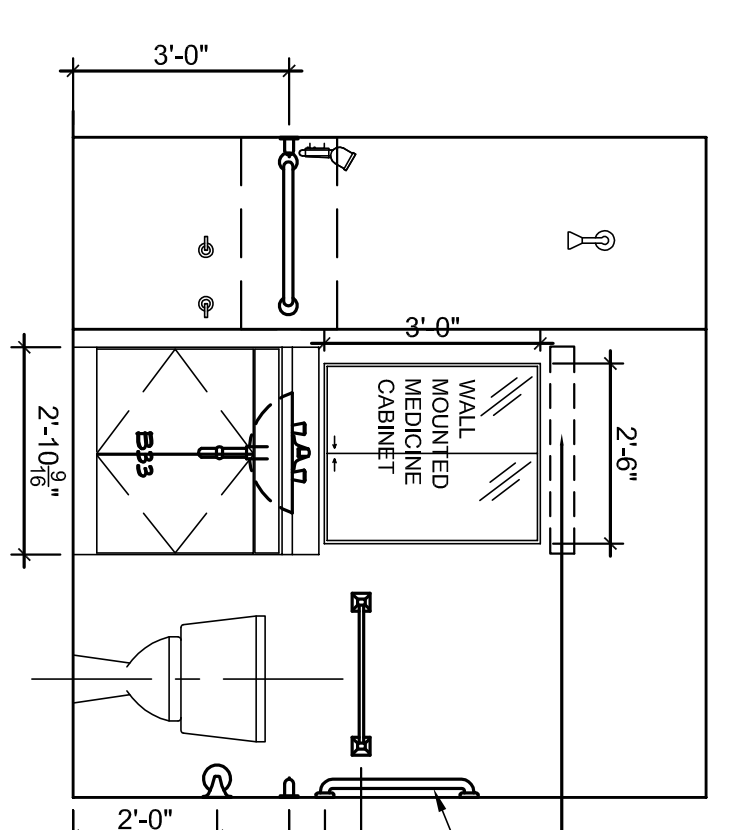
3  
3/8" = 1'-0"  
KITCHEN ELEVATION



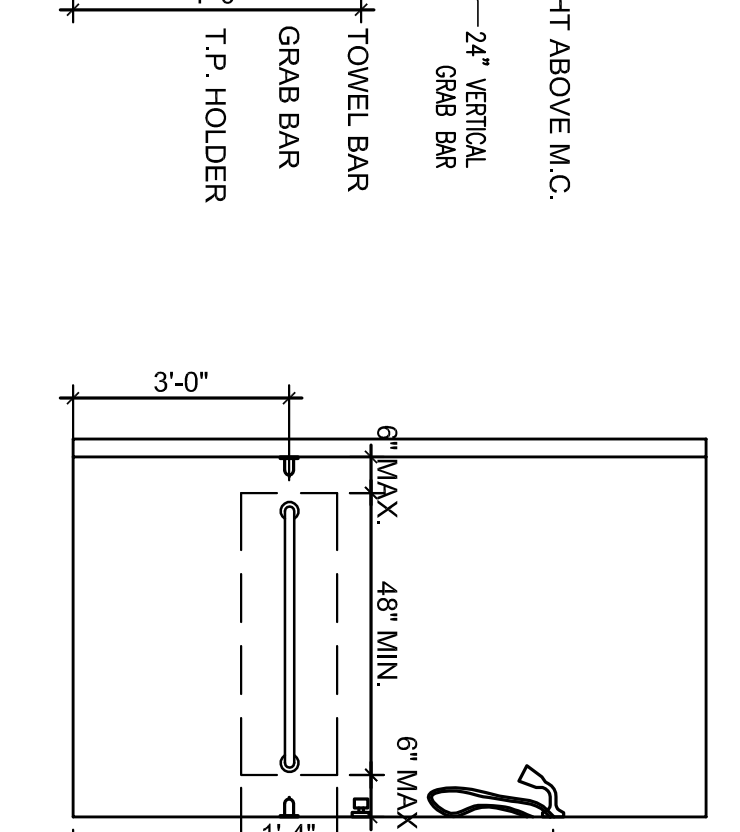
4  
3/8" = 1'-0"  
KITCHEN ELEVATION



5  
3/8" = 1'-0"  
KITCHEN ELEVATION



6  
3/8" = 1'-0"  
BATHROOM ELEVATION



7  
3/8" = 1'-0"  
BATHROOM ELEVATION

**INTERIOR FINISH LEGEND**

- RESIDENTIAL AREA FINISHES:**  
**CARPET (Bedroom & Living room)**  
 CPT-1 : Mohawk, "Properties" "Smartstrand" 756 Nomad with pad  
**SOLID VINYL (Kitchen, Bathroom, Laundry)**  
 VFT-1 FLOORFOLIO 3MM Thick Vinyl 20Mil Wear Layer, 20 Year Warranty, -4'x36" Plank Color/Pattern TBD by Architect/owner. (Owner's option to go with Enviroquik Decking with 12 mil wear layer)  
**PAINT**  
 P-1 (Wall Color): SW 6084 Modest White - Eggshell (Semi Gloss in Kitchen/Bath)  
 P-2 (Door & Trim): SW 0050 Classic Light Buff - Semi Gloss  
 P-3 (Accent Color - Living Room): SW 6067 Mocha (One Wall)  
 P-4 (Accent Color - Bedroom): SW 6113 Interactive Cream (One Wall)  
 P-5 (Ceiling Color): SW Ceiling White (Flat)  
**Kitchen & Bathroom Countertops:** Granite (3 CM THK)  
**Cabinetry, Casings, Inlays, Sills, Windows, Doors, Glazing, etc. selected by owner**  
 (Where blind cabinet occur, provide shelving into the blind portion of the cabinet)  
**Window Sills:** Minicy Marble #7800, Solid Almond (Matt Finish)

ALLEN WILSON  
 750 Commerce Drive  
 Decatur, Georgia 30030

**OLIVER HOUSE**

**HADP**  
 ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30326  
 T: 404.253.4488 F: 404.237.7356 | LIC. NO. AA 000242  
 E: info@hdpinc.com | www.hdp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
 6250 SHILOH RD SUITE 330  
 LAWRENCEVILLE, GA 30046  
 Phone: 770-962-8888  
 Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
 4275 Shilohcroft Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-2922  
 Contact: VERN SMITH

STATE OF GEORGIA  
 REGISTERED ARCHITECT  
 JOHN WILSON  
 LICENSE NO. 2908

KEY PLAN

1	Advertisement	4/15/11
2	Advertisement	4/11/11
3	Advertisement	2/21/11
4	Advertisement	2/10/11

Scale 1/8" = 1'-0"  
 Date August 1, 2011  
 Drawing Title  
 Project No. AH09132.00  
 File Name  
 Sheet Number  
**A4.05**

Professional of Record: Stewart Allen  
 Professional Registration No. CA 30515  
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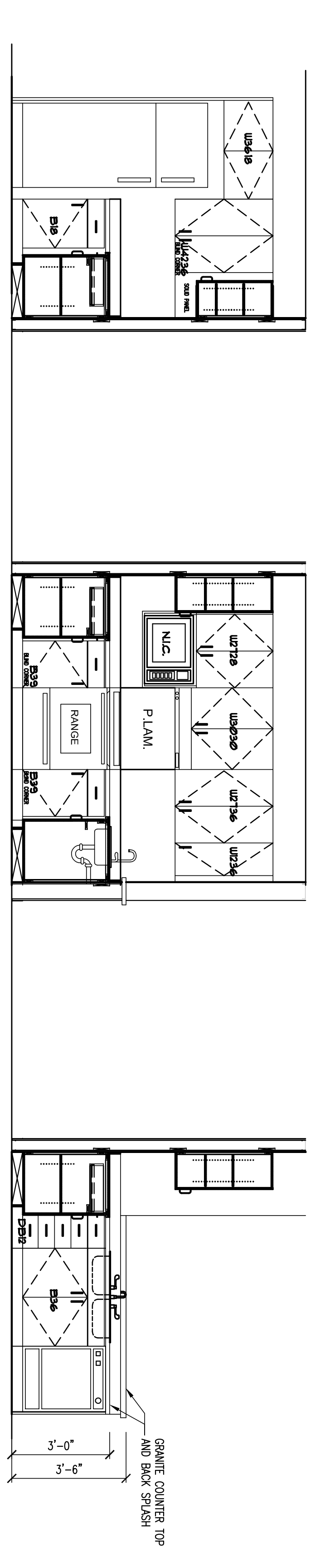
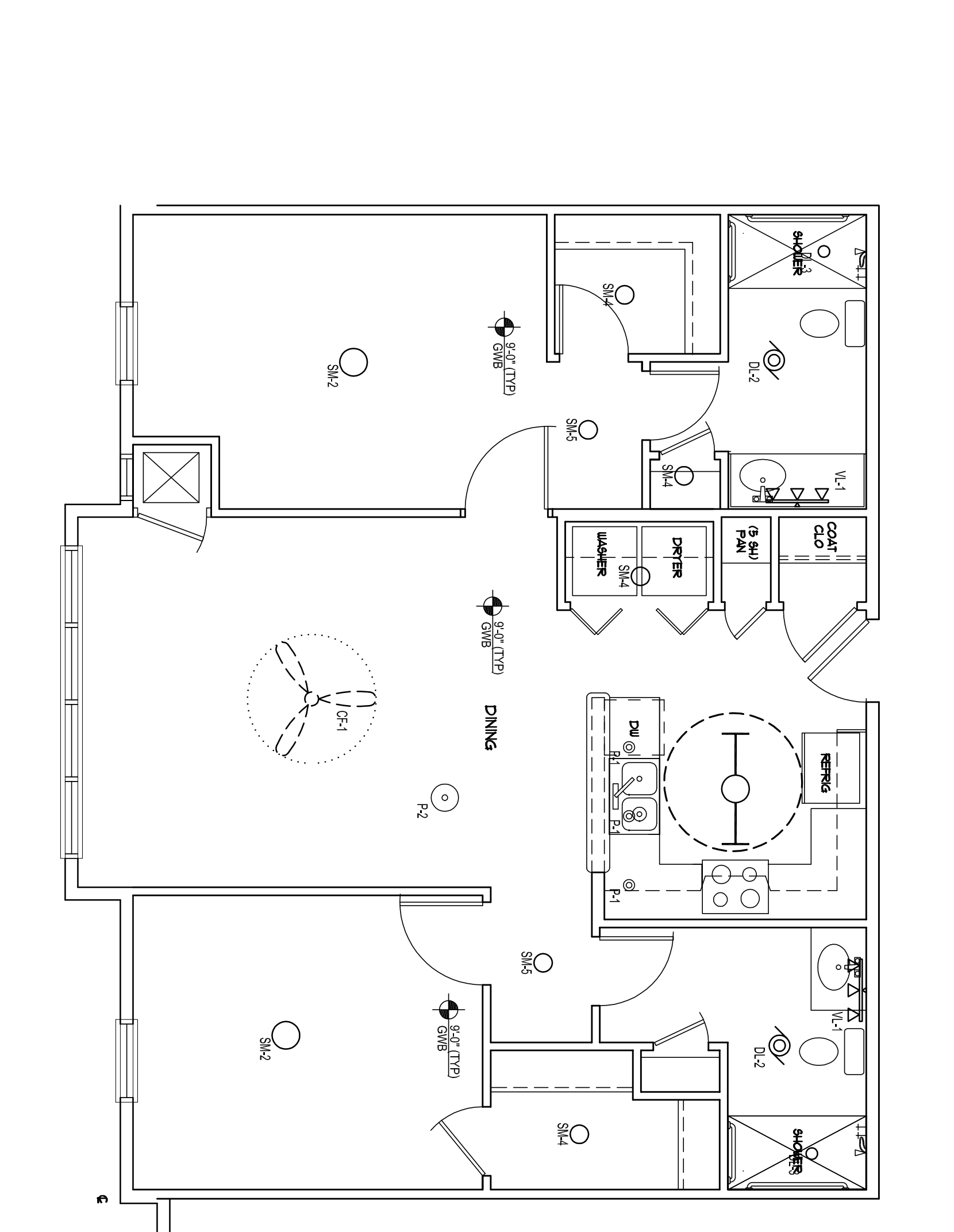
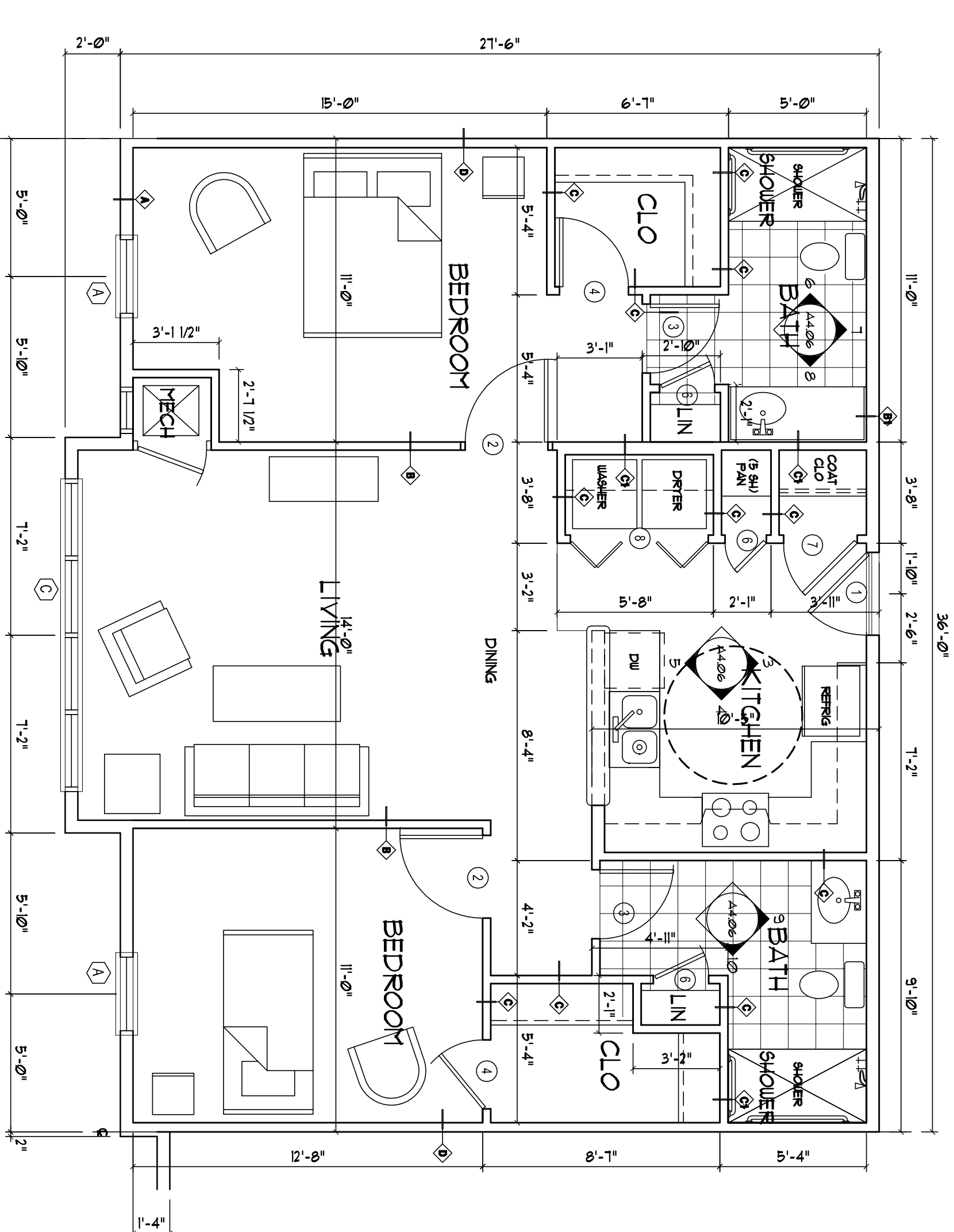
SYMBOL	DESCRIPTION	COMMENTS
	RECESSED CEILING AIR CONDITIONING	
	RECESSED CEILING LIGHT FIXTURE	
	RECESSED CEILING FAN	
	STANDARD DOOR LOCK FRAME	
	STANDARD DOOR LOCK FRAME WITH HANDLE	
	STANDARD DOOR LOCK FRAME WITH HANDLE AND STRIKE	

**UNIT LIGHT FIXTURE SCHEDULE**

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750 Commerce Drive  
Decatur, Georgia 30030

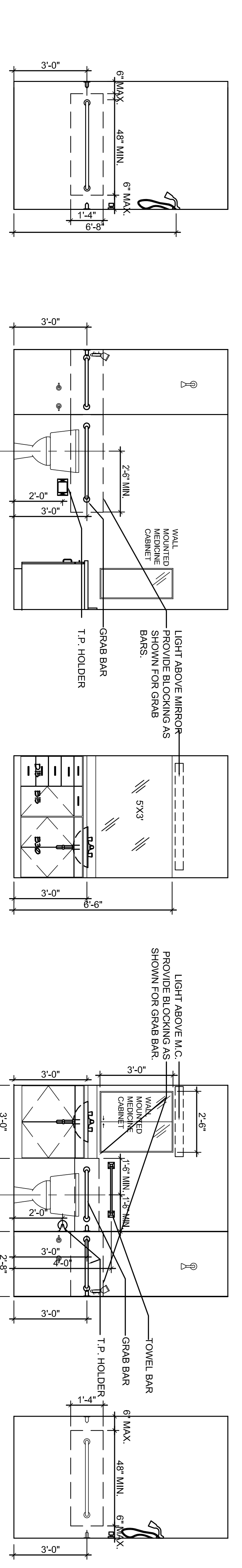
ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**



**INTERIOR FINISH LEGEND**

**RESIDENTIAL AREA FINISHES:**  
**CARPET (Bedroom & Living room)**  
 CPT-1 : Mohawk "Properties" Smartstrand™ 756 Nomad with pad  
**SOLID VINYL (Kitchen, Bathroom, Laundry)**  
 VF-1 FLOORFOLIO 3MM Thick With 20MIL Wear Layer, 20 Year Warranty, 4"x36" Planks Color/Patrim (TBD by Architect/owner. Owners option to go with Enviroquik backing with 12 mil wear layer)  
**PAINT**  
 P-1 (Wall Color): SW 6084 Modest White - Eggshell (Semi Gloss in Kitchen/Bath)  
 P-2 (Door & Trim): SW 0050 Classic Light Buff - Semi Gloss  
 P-3 (Accent Color - Living Room): SW 6067 Mocha (One Wall)  
 P-4 (Accent Color - Bedroom): SW 6113 Interactive Cream (One Wall)  
 P-5 (Ceiling Color): SW Ceiling White (Flat)  
**Kitchen & Bathroom Countertops:** Granite (3 CM THK)  
**Cabinetry:** Cartridge Inlays, Vignette, Walnut Cherry-Glazed, Aquila, selected by owner  
 (Where blind cabinet occur, provide shelving into the blind portion of the cabinet)  
**Window Sills:** Milanoy Marble #7800, Solid Almond (Mat Finish)



**UNIT 2B-R A PLANS**

Scale: 1/8" = 1'-0" Date: August 1, 2011

Project No: AH09132.00

Revision:

Revision	Description	Date
1	As Issued	2/10/11
2	As Issued	2/10/11
3	As Issued	4/1/11
4	As Issued	4/1/11

Professional of Record: **Shawnt Allen**  
Professional Registration No. CA 3015

**A4.06**

PRIAL CONSTRUCTION SET, AUGUST 1, 2011

**STATE OF GEORGIA**  
REGISTERED PROFESSIONAL ARCHITECT

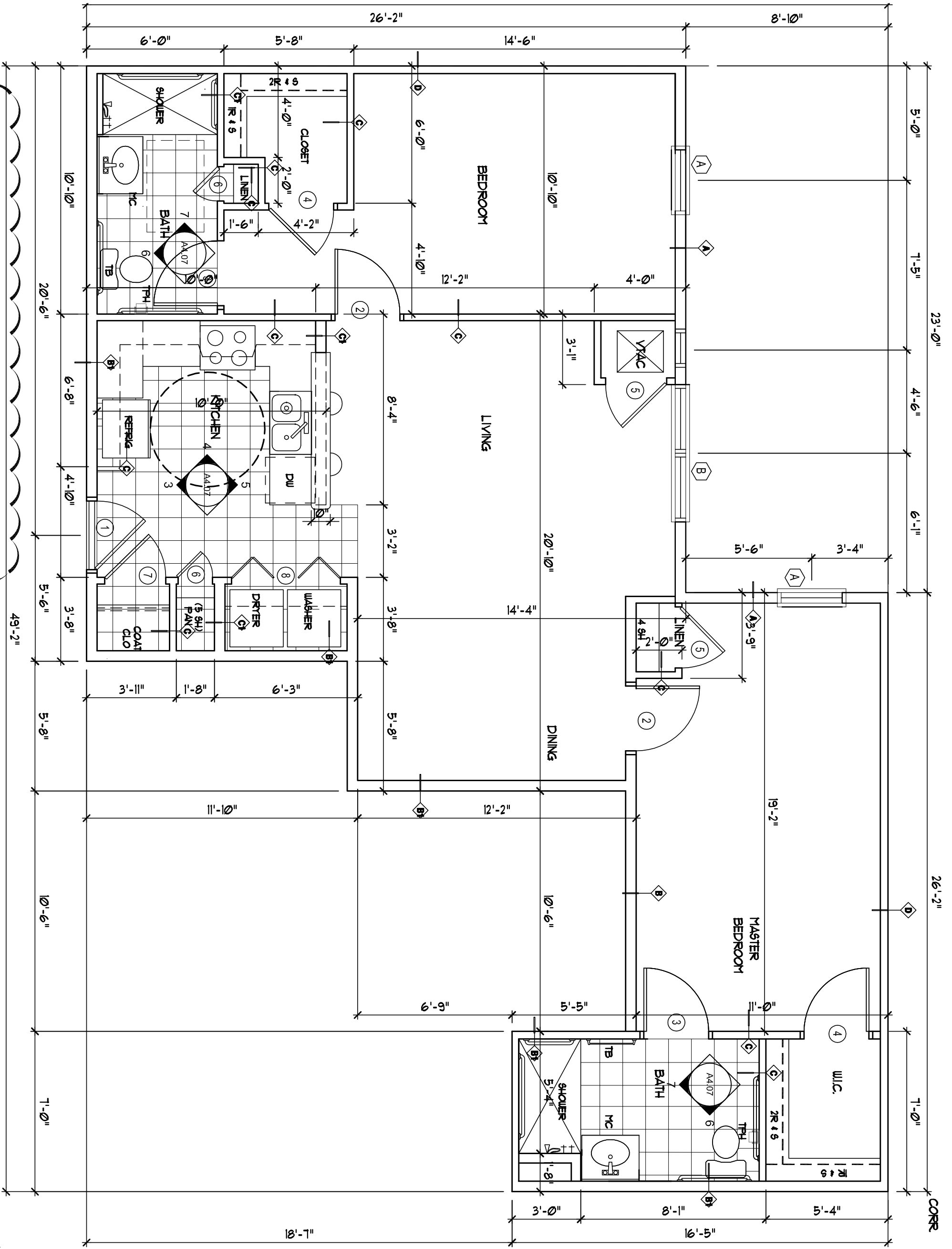
**KEY PLAN**

**STRUCTURAL CONSULTING GROUP**  
6250 SHILTON ROAD SUITE 330  
FARMERS BRANCH, GA 30069  
Phone: 404-481-1100  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Stonecroft Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0292  
Contact: VERN SMITH

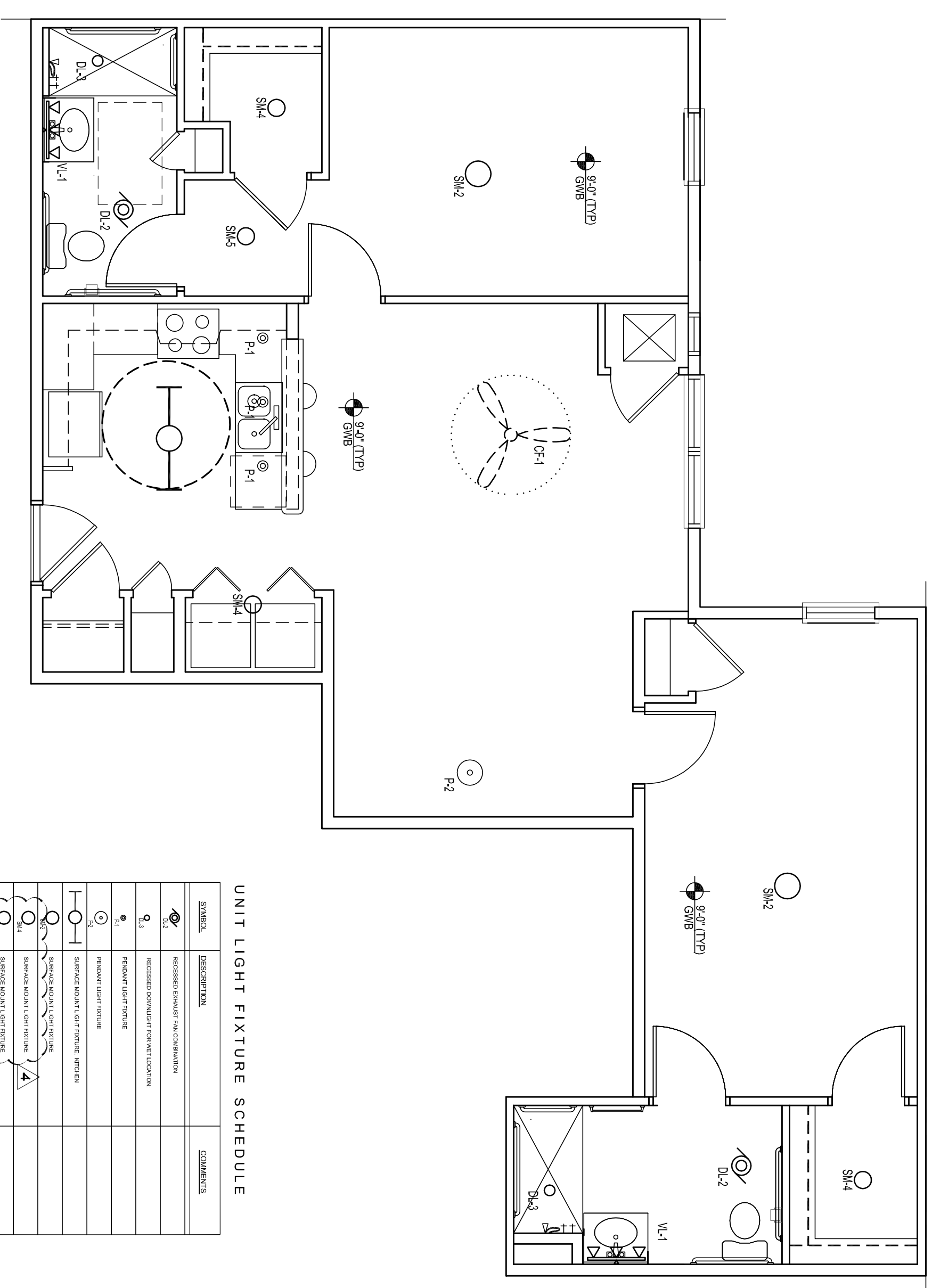
**Unit 2B-R A Plans**





1  
1/4" = 1'-0"

UNIT 2BR-B FLOOR PLAN - 1067 SF

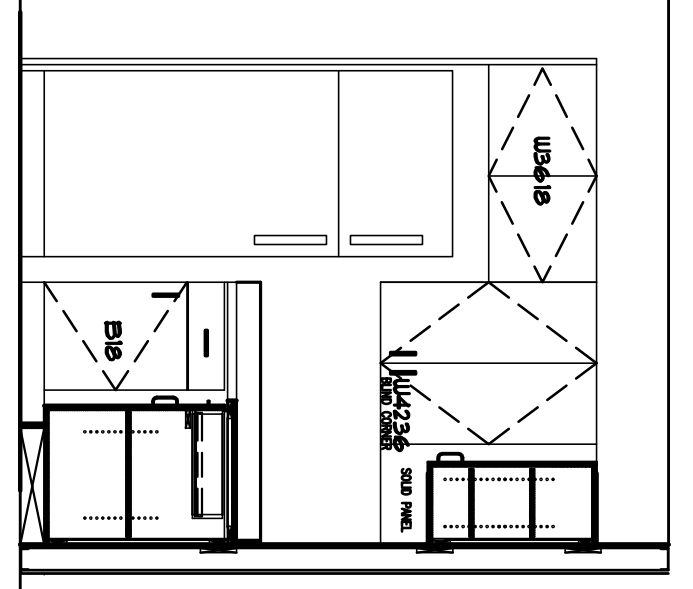


2  
1/4" = 1'-0"

UNIT 2BR-B REFLECTED CEILING PLAN

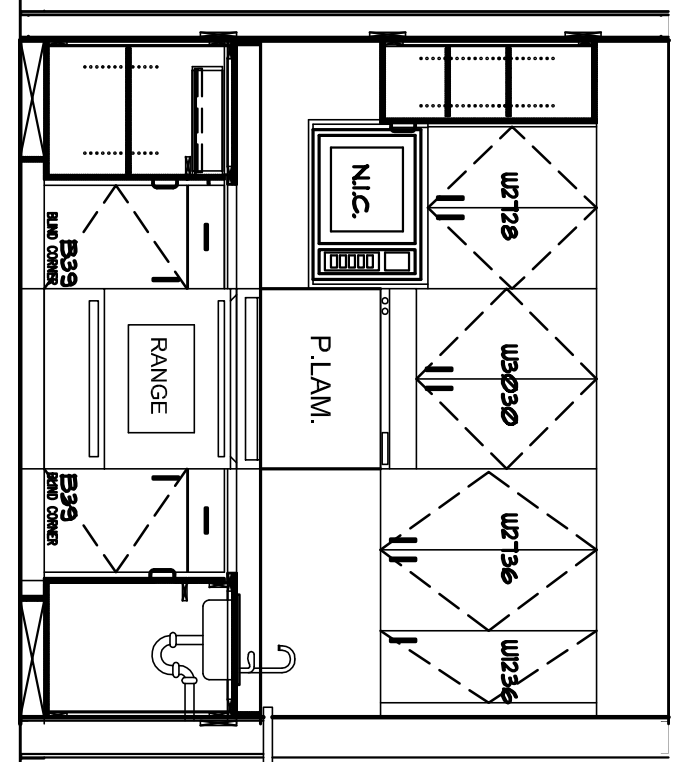
UNIT LIGHT FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	COMMENTS
S1	RECESSED DOWN LIGHT	24" DIA.
S2	RECESSED DOWN LIGHT	24" DIA.
S3	RECESSED DOWN LIGHT	24" DIA.
S4	RECESSED DOWN LIGHT	24" DIA.
S5	RECESSED DOWN LIGHT	24" DIA.
RL	RECESSED LIGHT	24" DIA.
M.U.	Mechanical Unit	24" DIA.



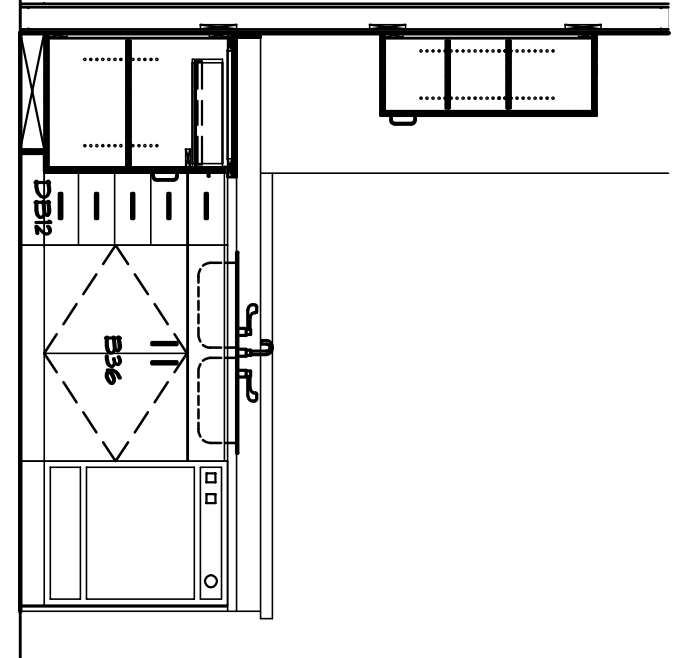
3  
3/8" = 1'-0"

KITCHEN ELEVATION



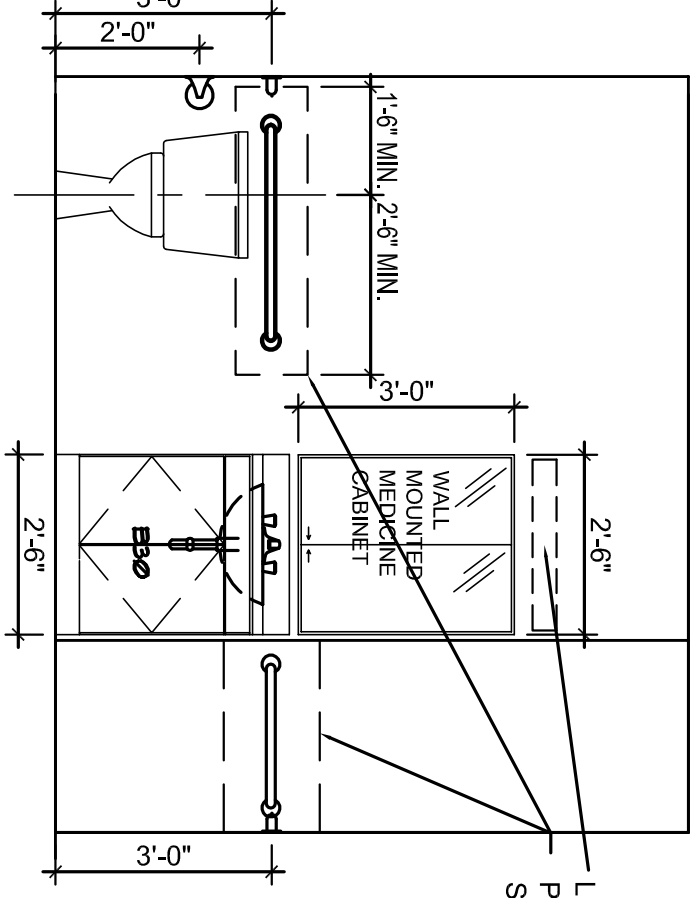
4  
3/8" = 1'-0"

KITCHEN ELEVATION



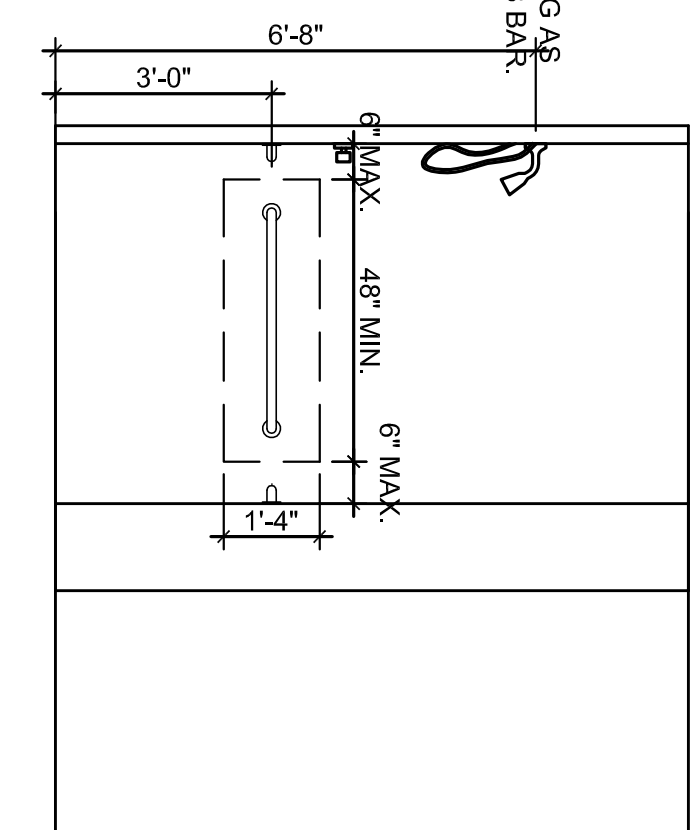
5  
3/8" = 1'-0"

KITCHEN ELEVATION



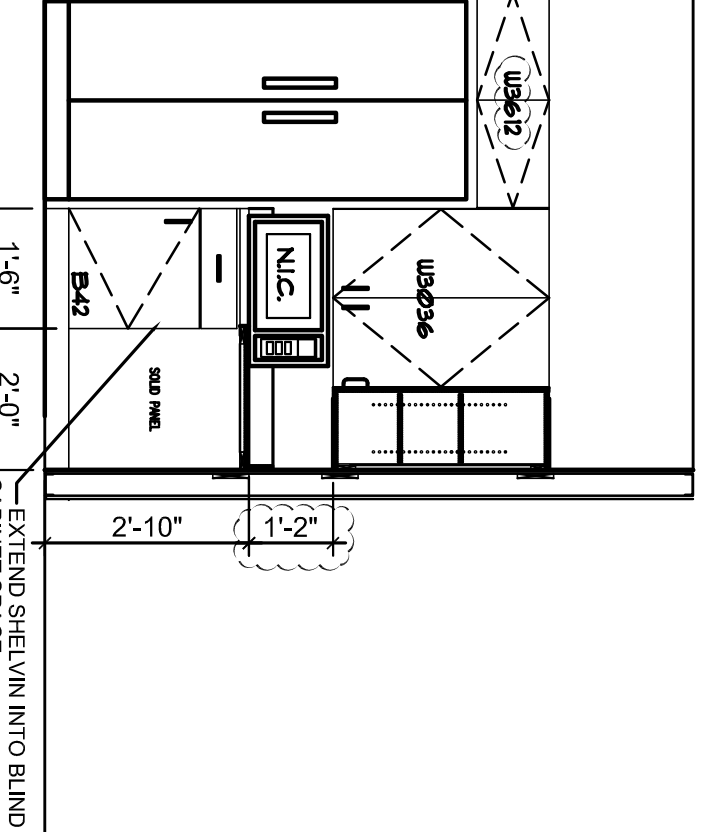
6  
3/8" = 1'-0"

BATHROOM ELEVATION



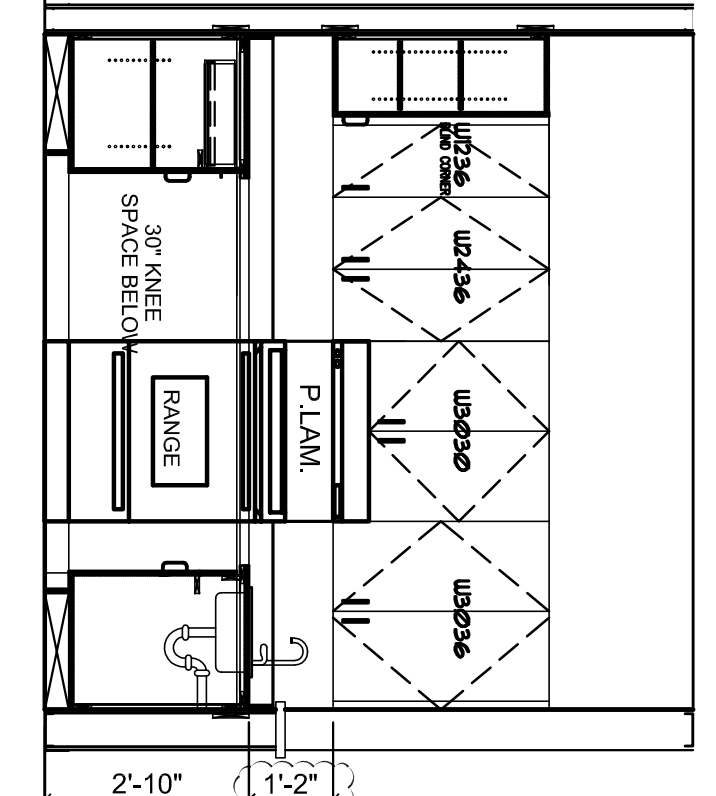
7  
3/8" = 1'-0"

BATHROOM ELEVATION



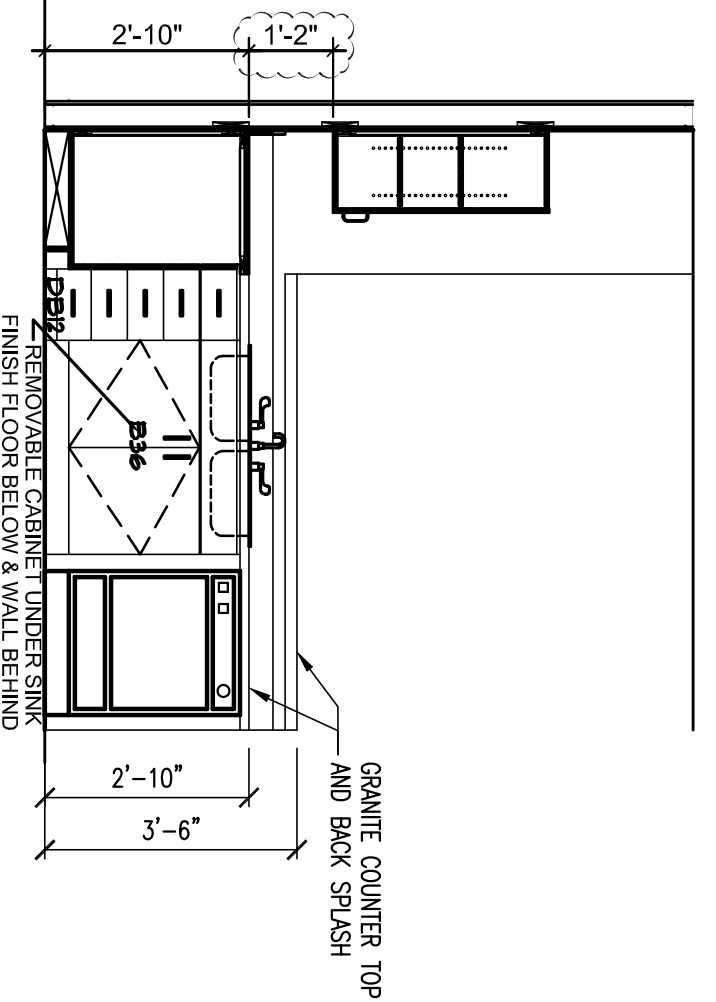
8  
3/8" = 1'-0"

KITCHEN ELEVATION AT HC UNIT



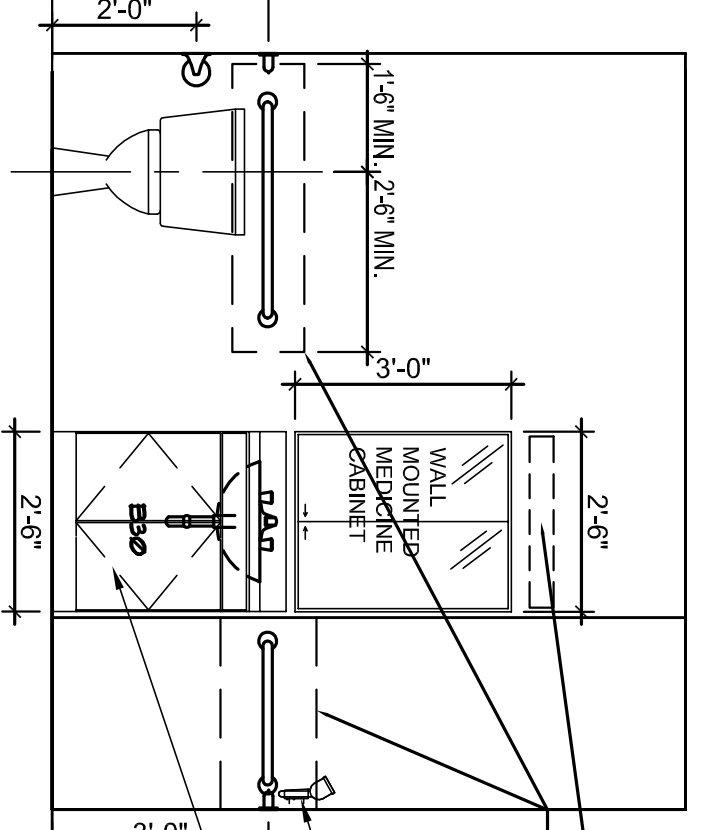
9  
3/8" = 1'-0"

KITCHEN ELEVATION AT HC UNIT



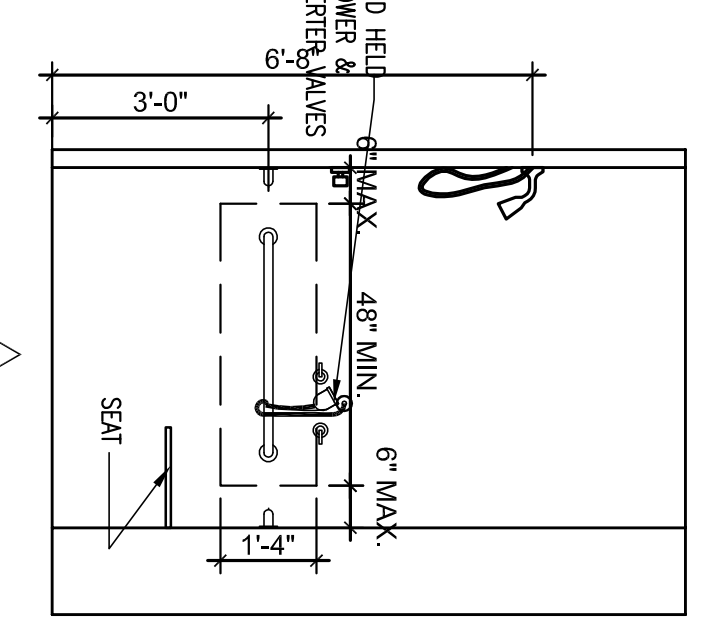
10  
3/8" = 1'-0"

KITCHEN ELEVATION AT HC UNIT



11  
3/8" = 1'-0"

BATHROOM ELEVATION AT HC UNIT



12  
3/8" = 1'-0"

BATHROOM ELEVATION AT HC UNIT

ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30365  
T: 404.238.4488 | F: 404.237.7936 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
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**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD SUITE 300  
LILY POND, GA 30059  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shepherd Road, Suite 200  
Norcross, GA 30092  
770-441-2547 Fax: 770-448-0282  
Contact: JENI SMITH

STATE OF GEORGIA  
REGISTERED PROFESSIONAL ARCHITECT  
1908

Project No. AH09132.00

Scale 1/8" = 1'-0"

Date August 1, 2011

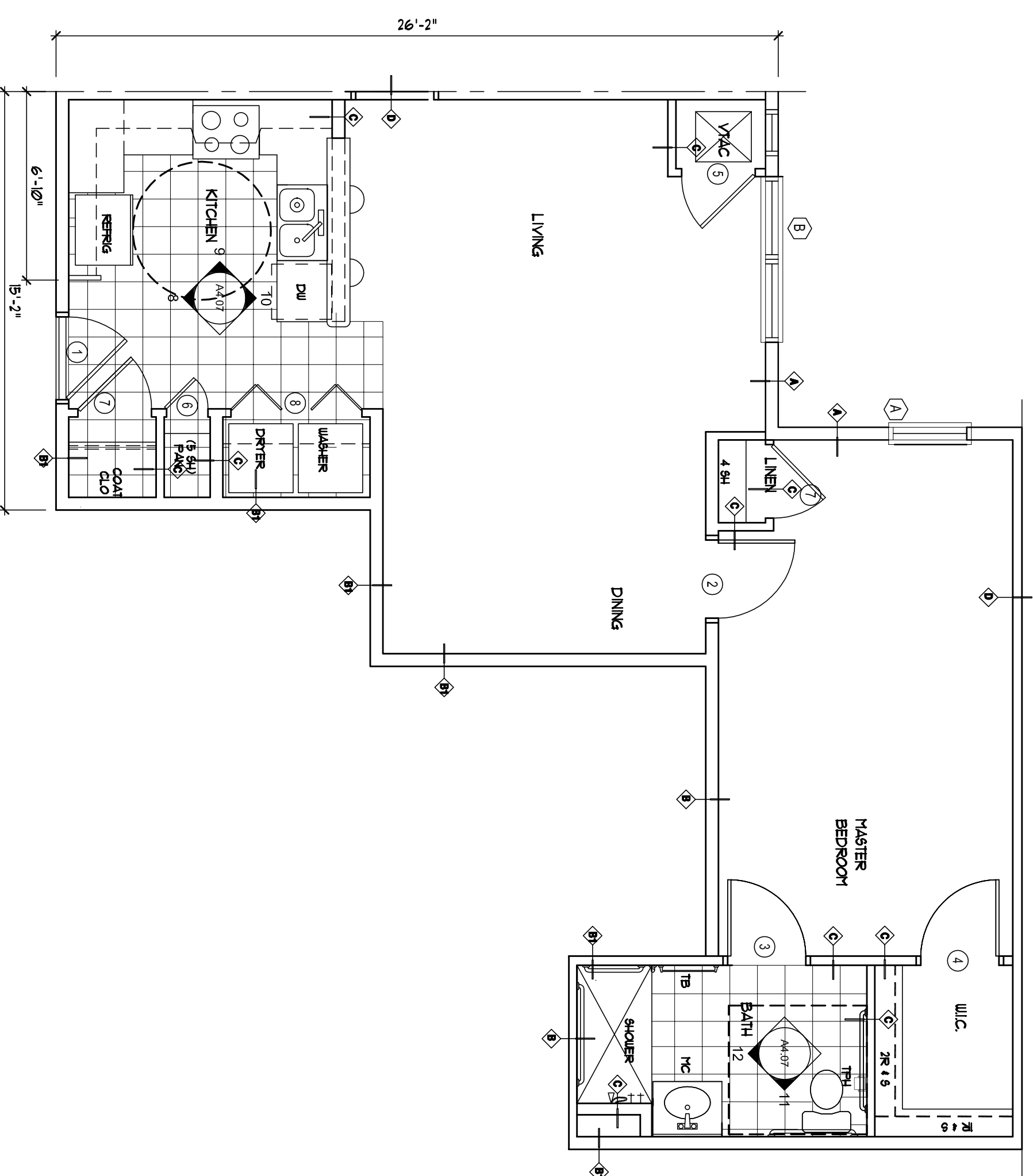
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Sheet Number **A4.07**

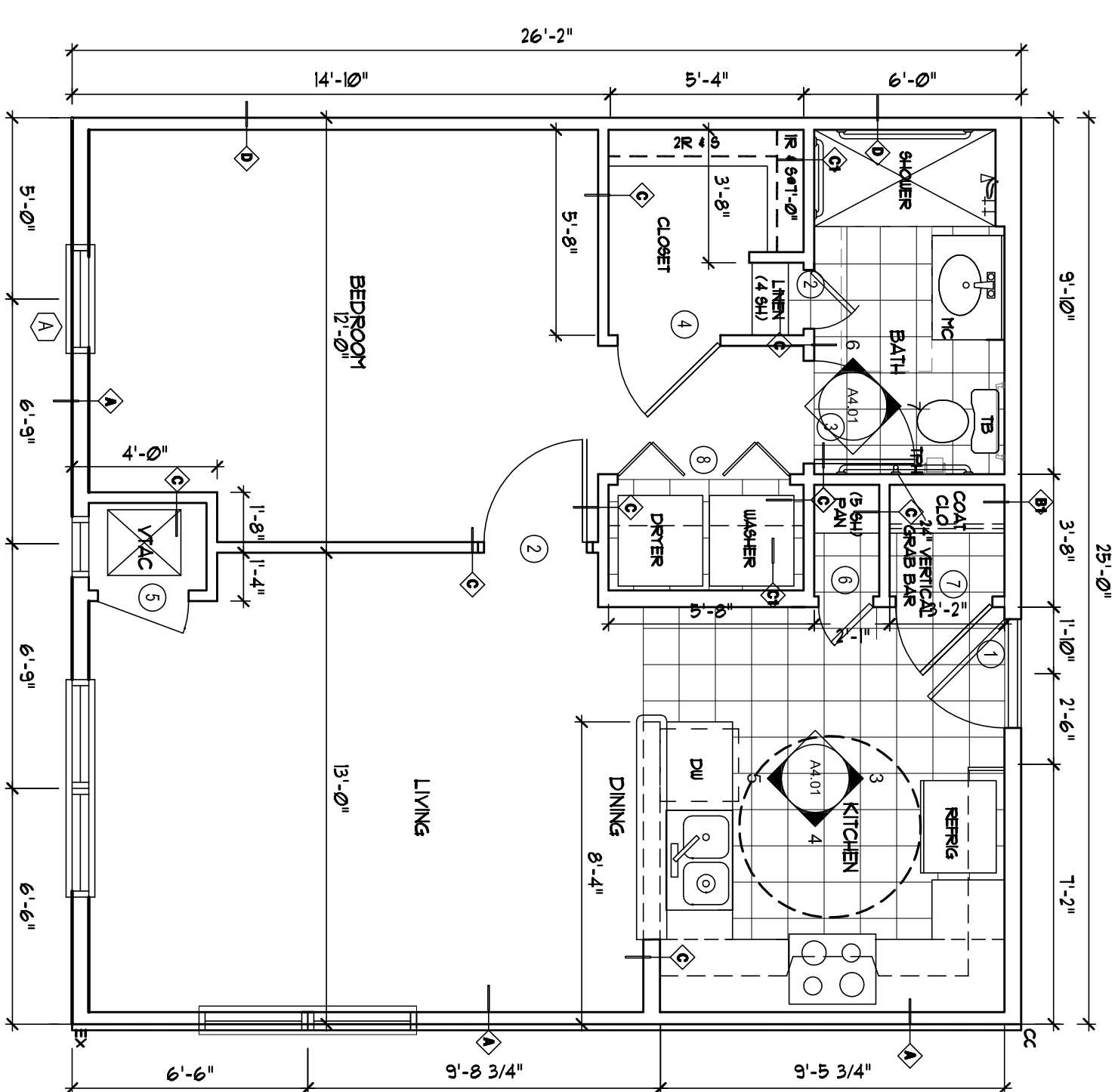
Professional of Record: Stewart Aiken  
Professional Registration No. GA 30151

Revision	Description	Date
1	Adopted/Am1	2/10/11
2	Adopted/Am2	22/11/11
3	Adopted/Am3	4/11/11
4	Adopted/Am4 & Coordination	4/15/11

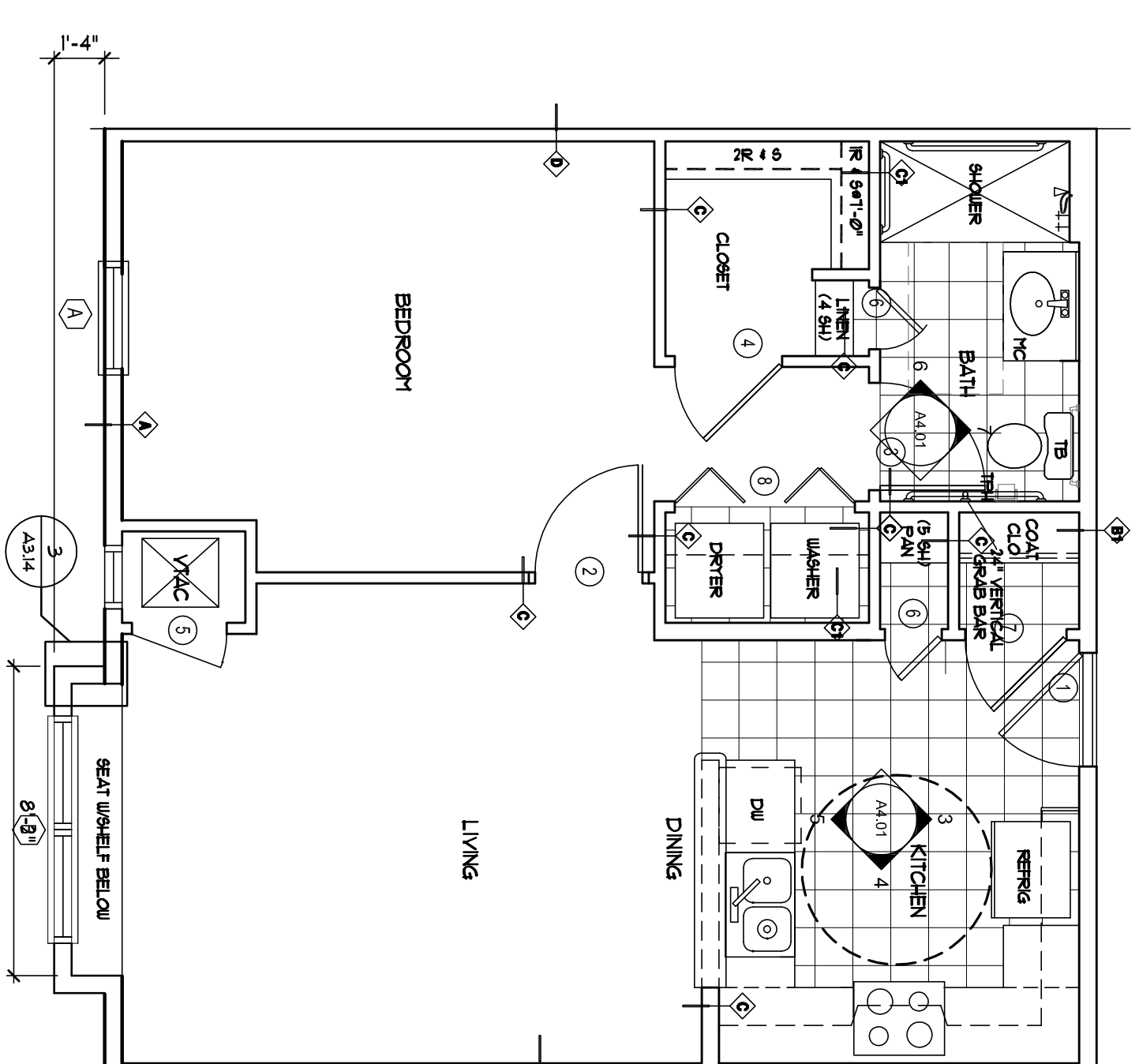
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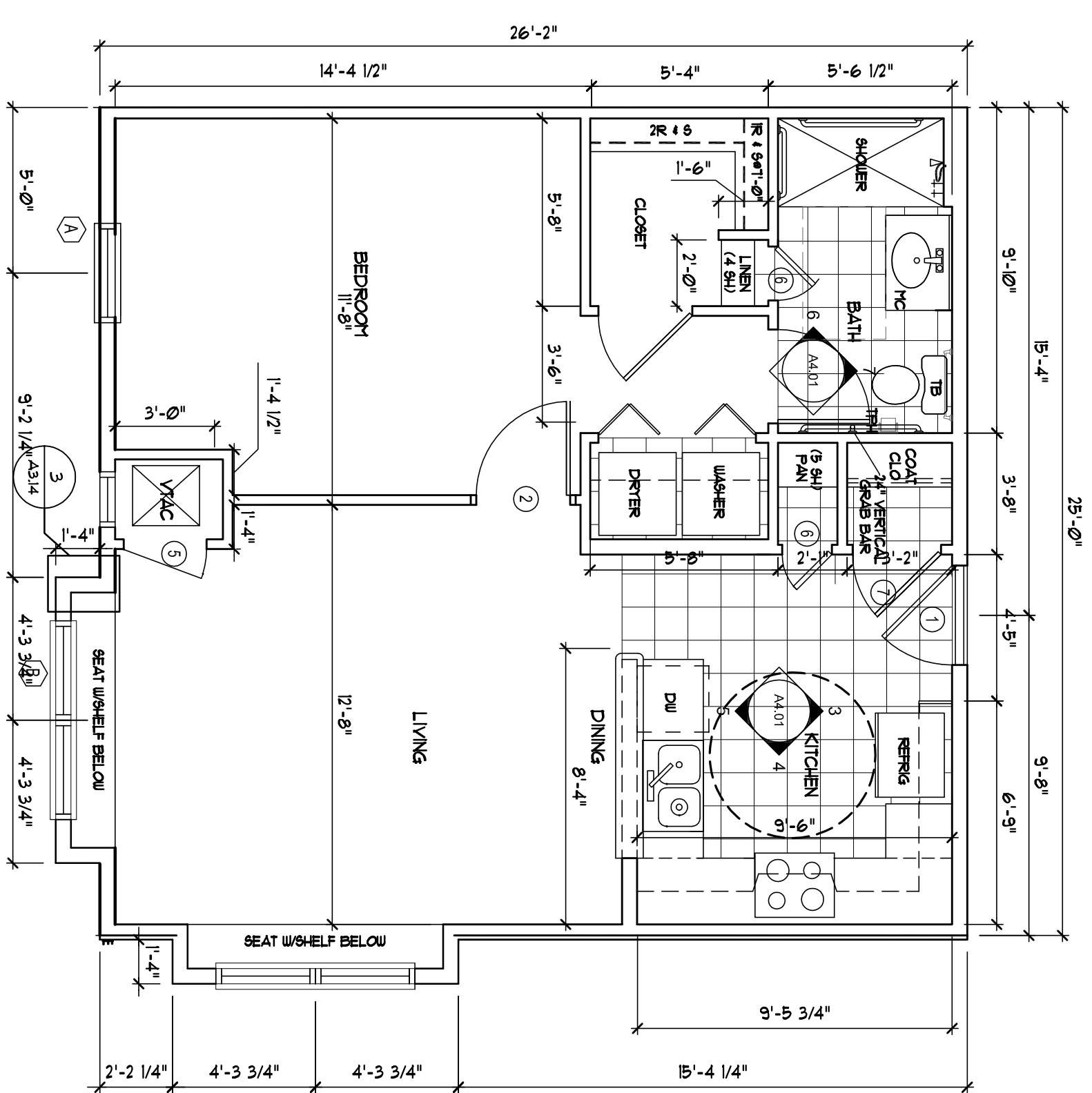
1  
1/4" = 1'-0"  
UNIT 1BR-D FLOOR PLAN - 783 SF - HC UNIT, SIM TO 1BR-B



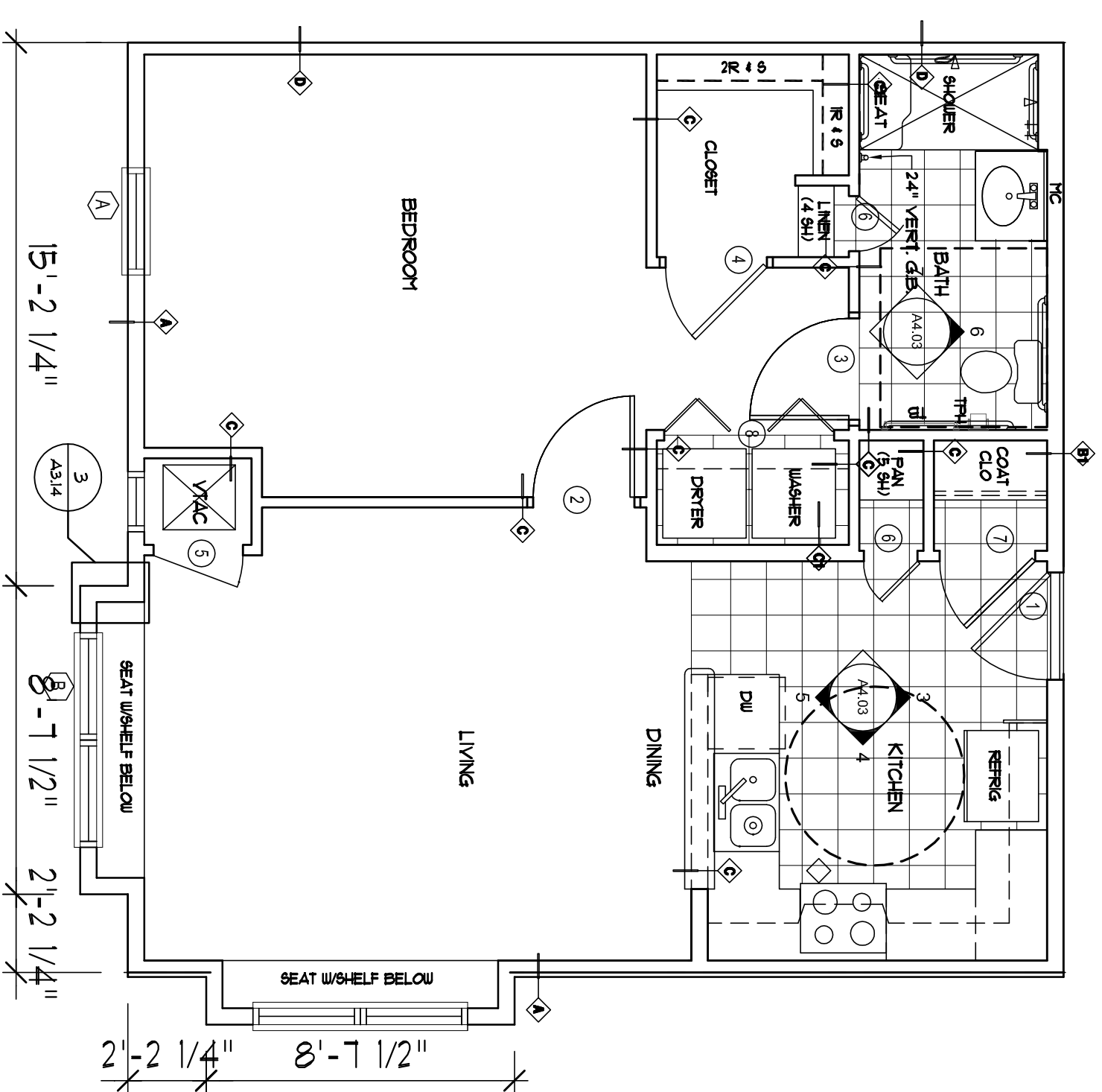
2  
1/4" = 1'-0"  
UNIT 1BR-F FLOOR PLAN - 659 SF - SIM TO 1BR-A



3  
1/4" = 1'-0"  
UNIT 1BR-G FLOOR PLAN - 666 SF - SIM TO 1BR-A



4  
1/4" = 1'-0"  
UNIT 1BR-H FLOOR PLAN - 680 SF - SIM TO 1BR-A



5  
1/4" = 1'-0"  
UNIT 1BR-I FLOOR PLAN - 707 SF - HC UNIT, SIM TO 1BR-C

ALLEN WILSON III, P.  
750 Commerce Drive  
Decatur, Georgia 30030

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ALLEN WILSON  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 0002442  
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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6526 SHILOH RD SUITE 330  
LITTLE ROCK, AR 72114  
Phone: 501-221-3000  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Stonedale Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-444-6282  
Contact: VERN SMITH



KEY PLAN

1	Adviser/1	2/10/11
2	Adviser/2	2/21/11
3	Obj Review Comments	4/11/11
4	Adviser/1 & Co-ordinator	4/15/11

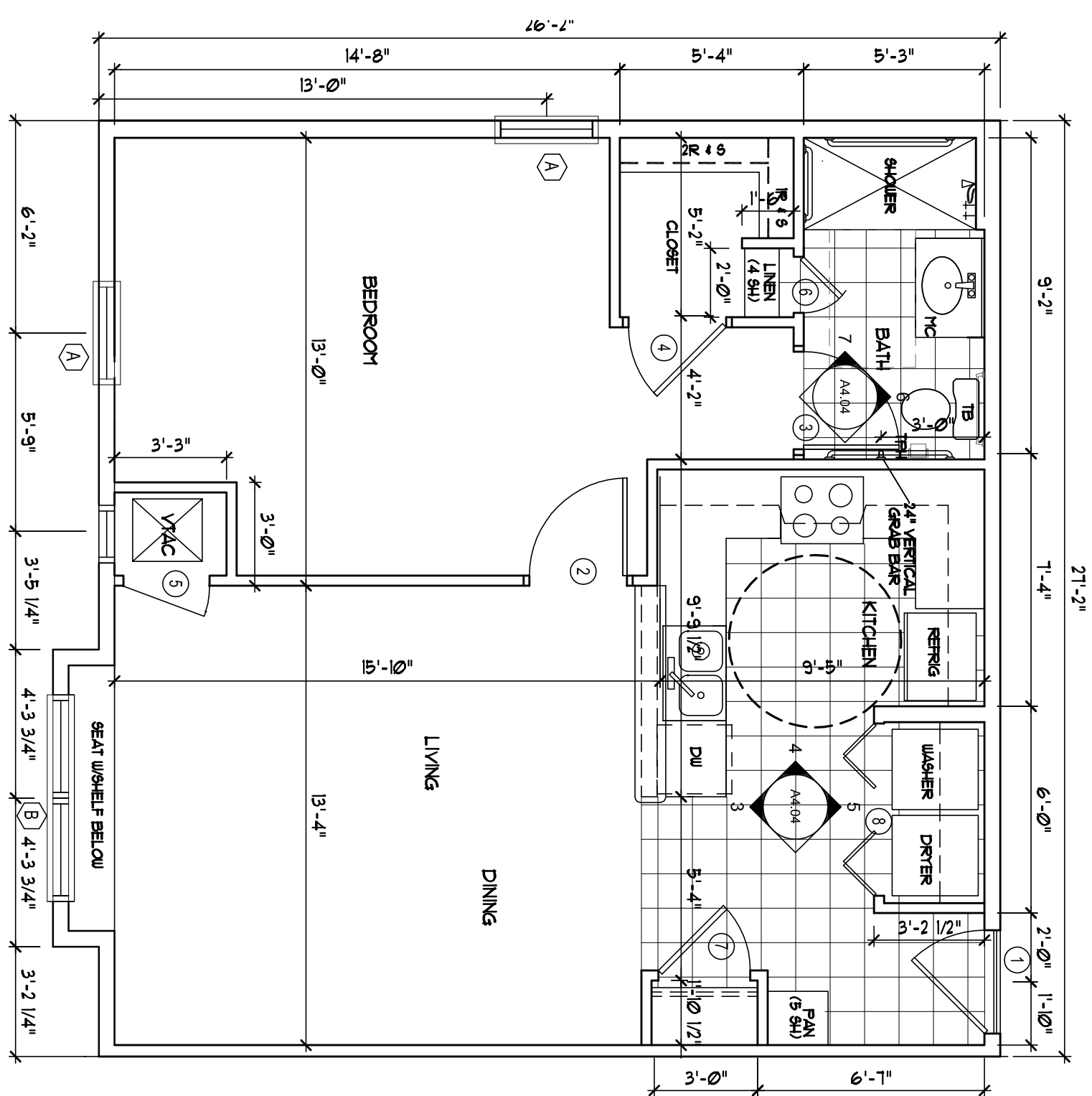
Revision:

Revision	Description	Date
1	Adviser/1	2/10/11
2	Adviser/2	2/21/11

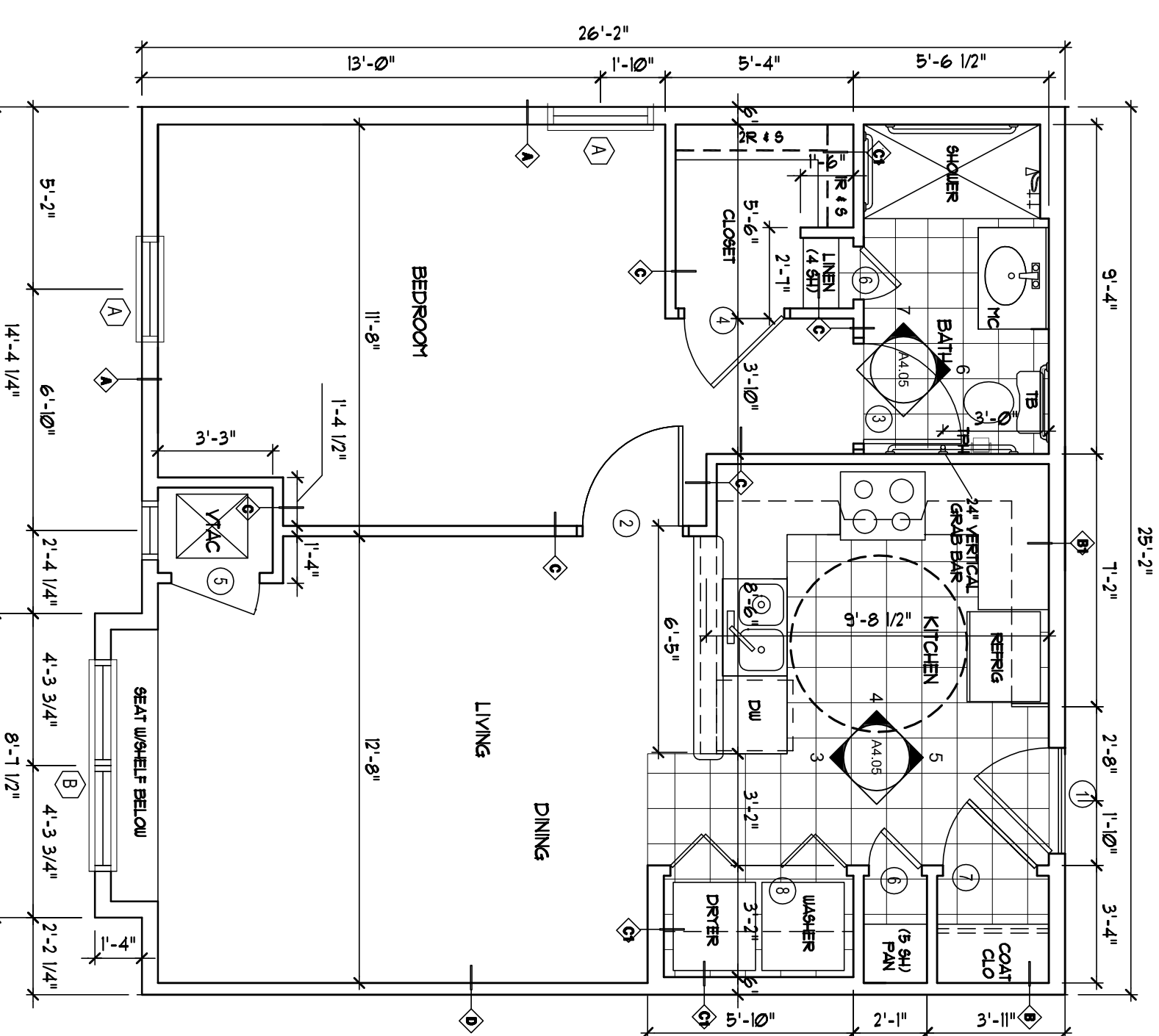
Project No: AH09132.00  
File Name:  
Scale: 1/8" = 1'-0"  
Date: August 1, 2011

UNIT PLANS

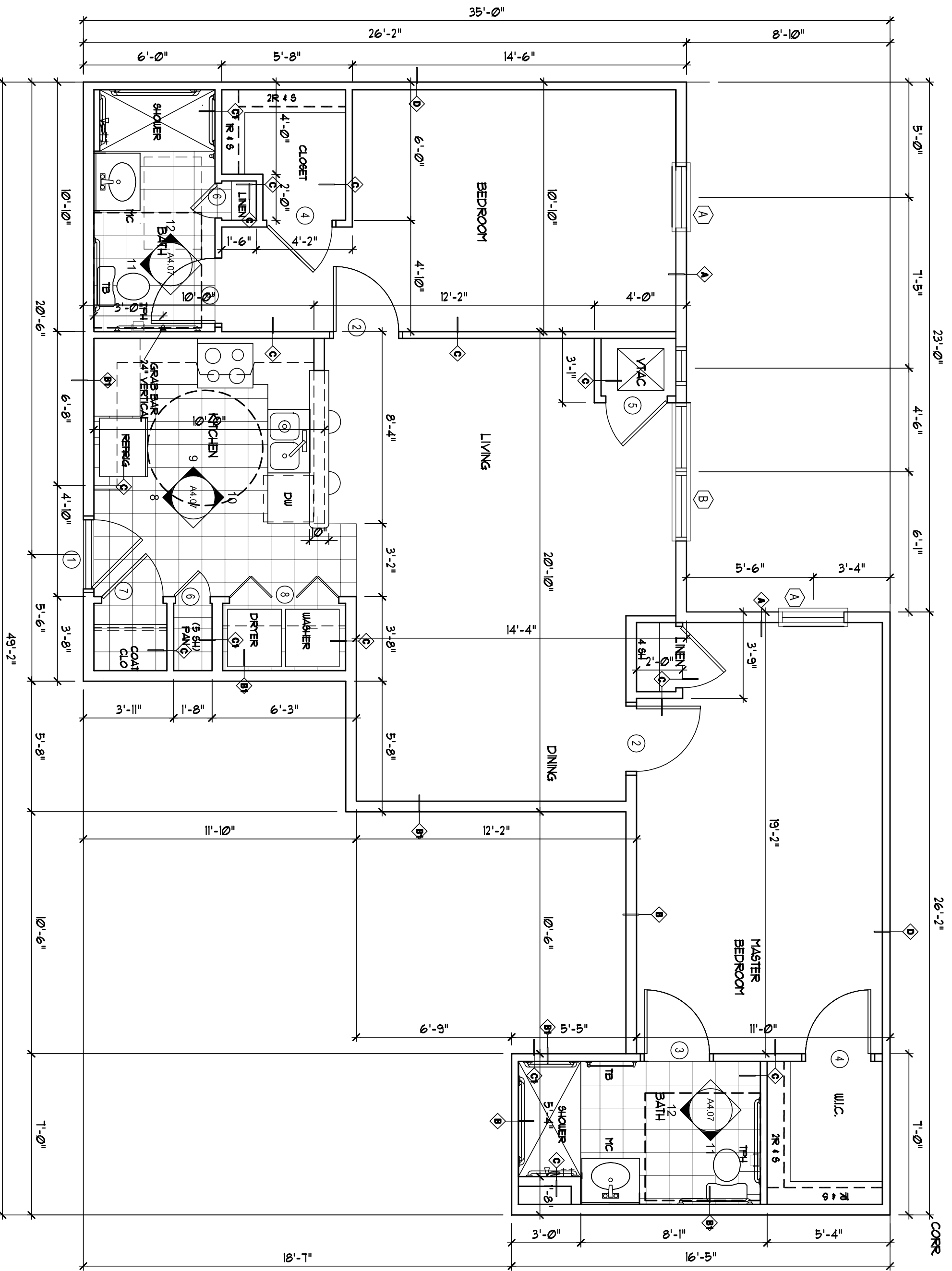
A4.10



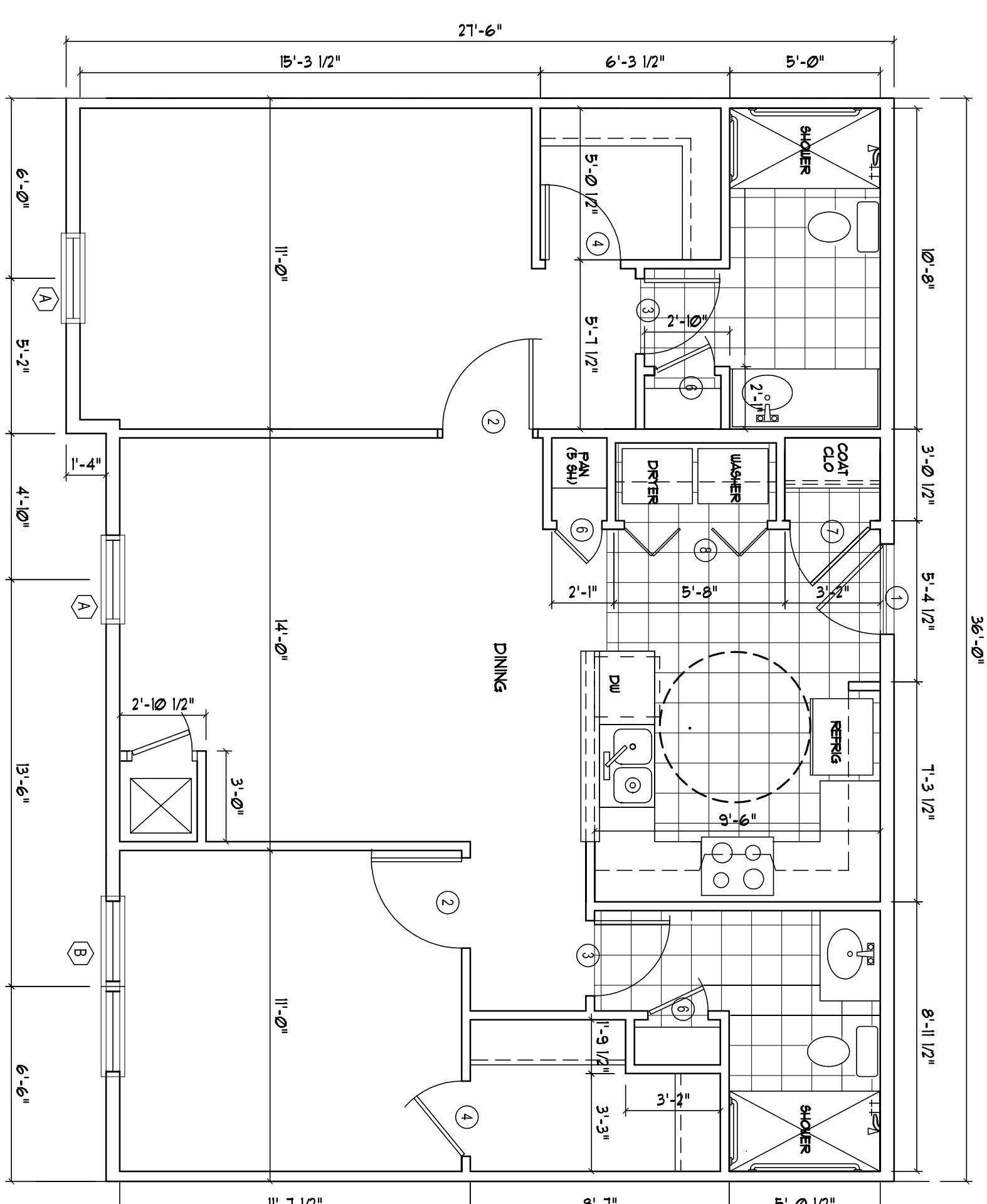
1  
1/4" = 1'-0"  
UNIT 1BR-J FLOOR PLAN - 722 SF - SIM TO 1BR-E



2  
1/4" = 1'-0"  
UNIT 1BR-L FLOOR PLAN - 670 SF - SIM TO 1BR-K



3  
1/4" = 1'-0"  
UNIT 2BR-C FLOOR PLAN - 1067 SF - HC UNIT, SIM TO 2BR-B



4  
1/4" = 1'-0"  
UNIT 2BR-D FLOOR PLAN - 957 SF - SIM TO 1BR-A & 2BR-A

ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.253.4488 | F: 404.257.7356 | LIC. NO. AA 000242  
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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILOH RD SUITE 330  
LUTHERSBURG, GA 30059  
Phone: 770-444-2500  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Stevedore Road, Suite 200  
Norcross, GA 30093  
770-444-5547 Fax: 770-444-6282  
Contact: VERN SMITH



KEY PLAN	
1	Revision
2	Revision
3	Revision
4	Revision

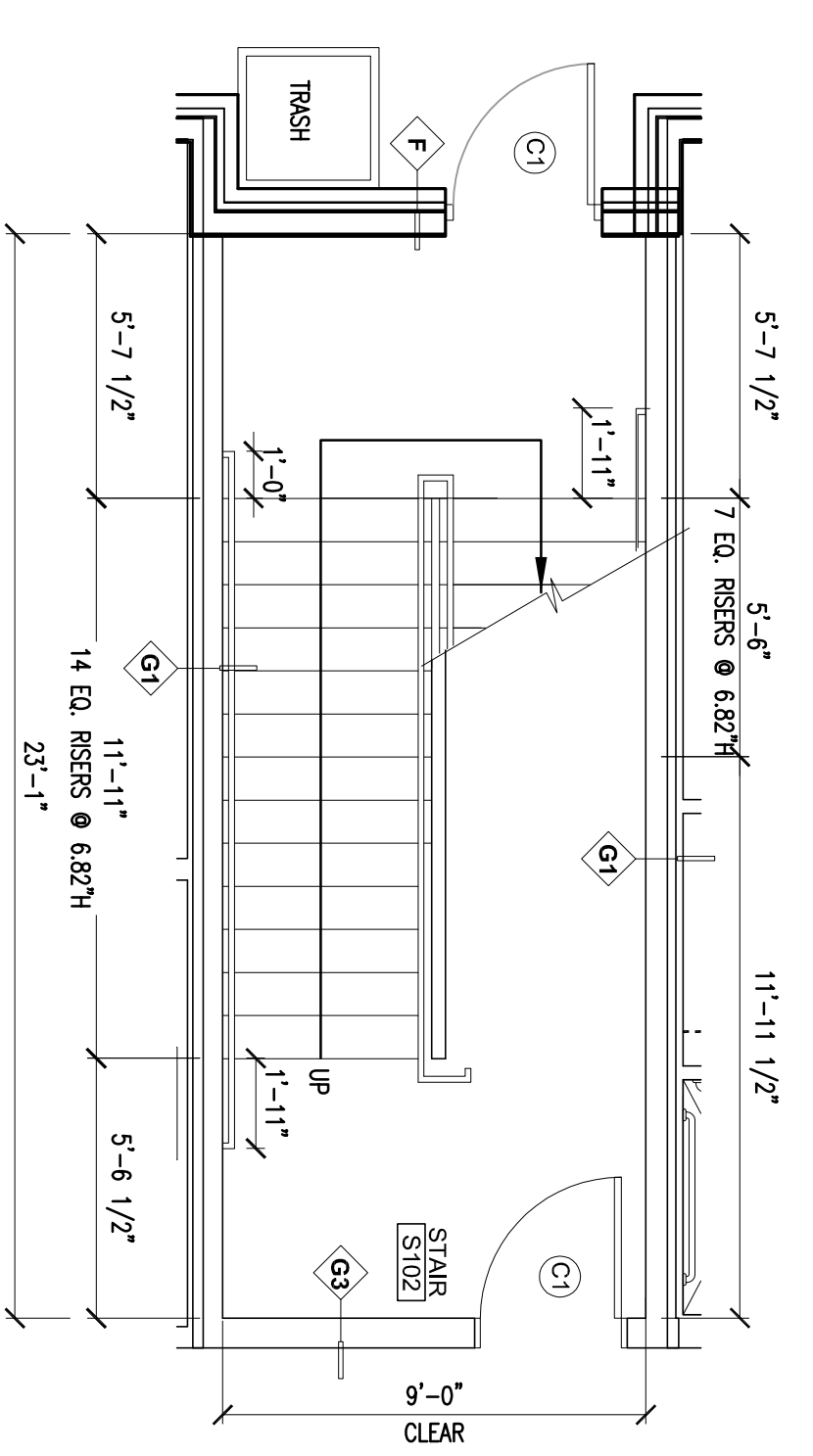
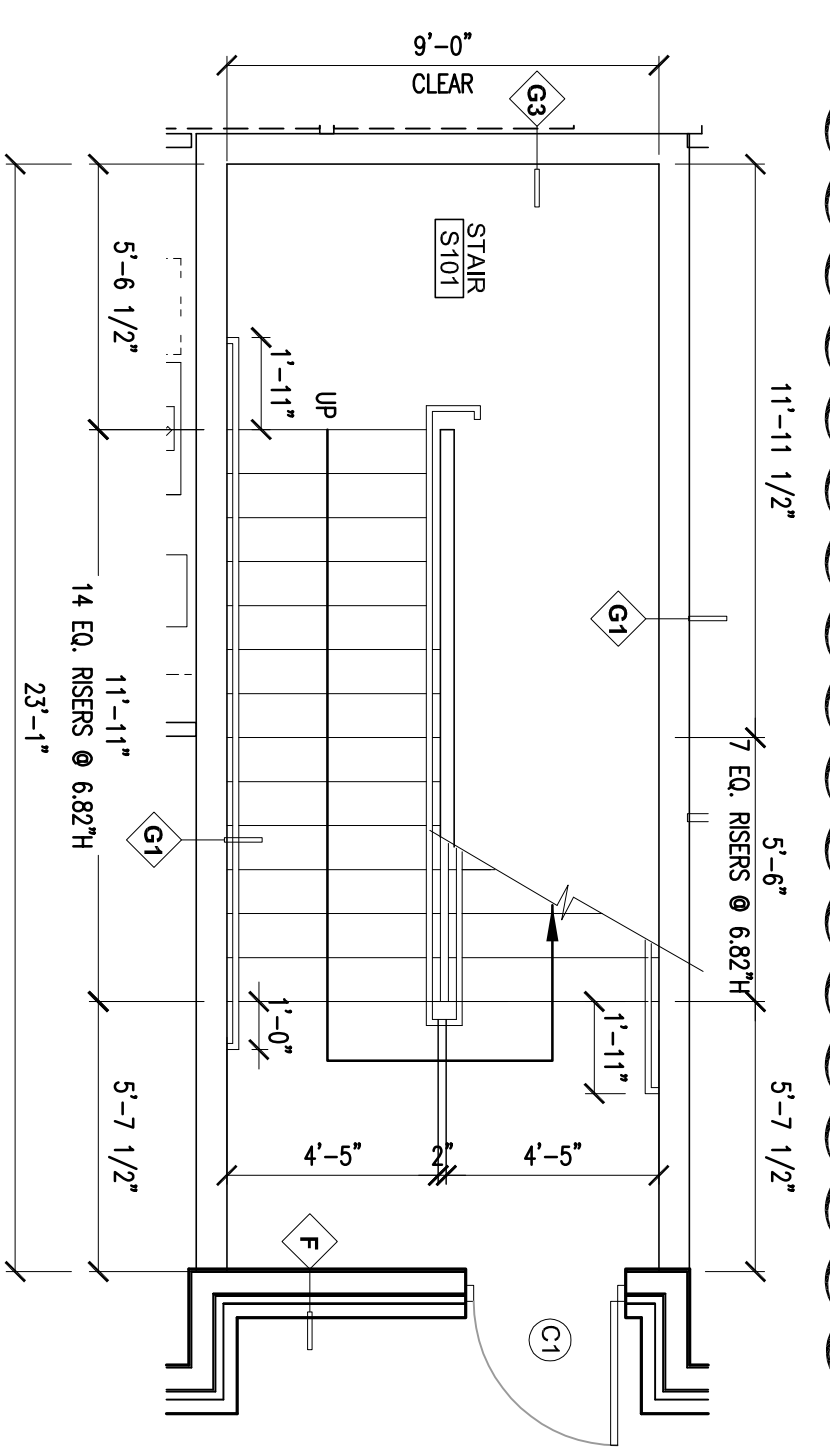
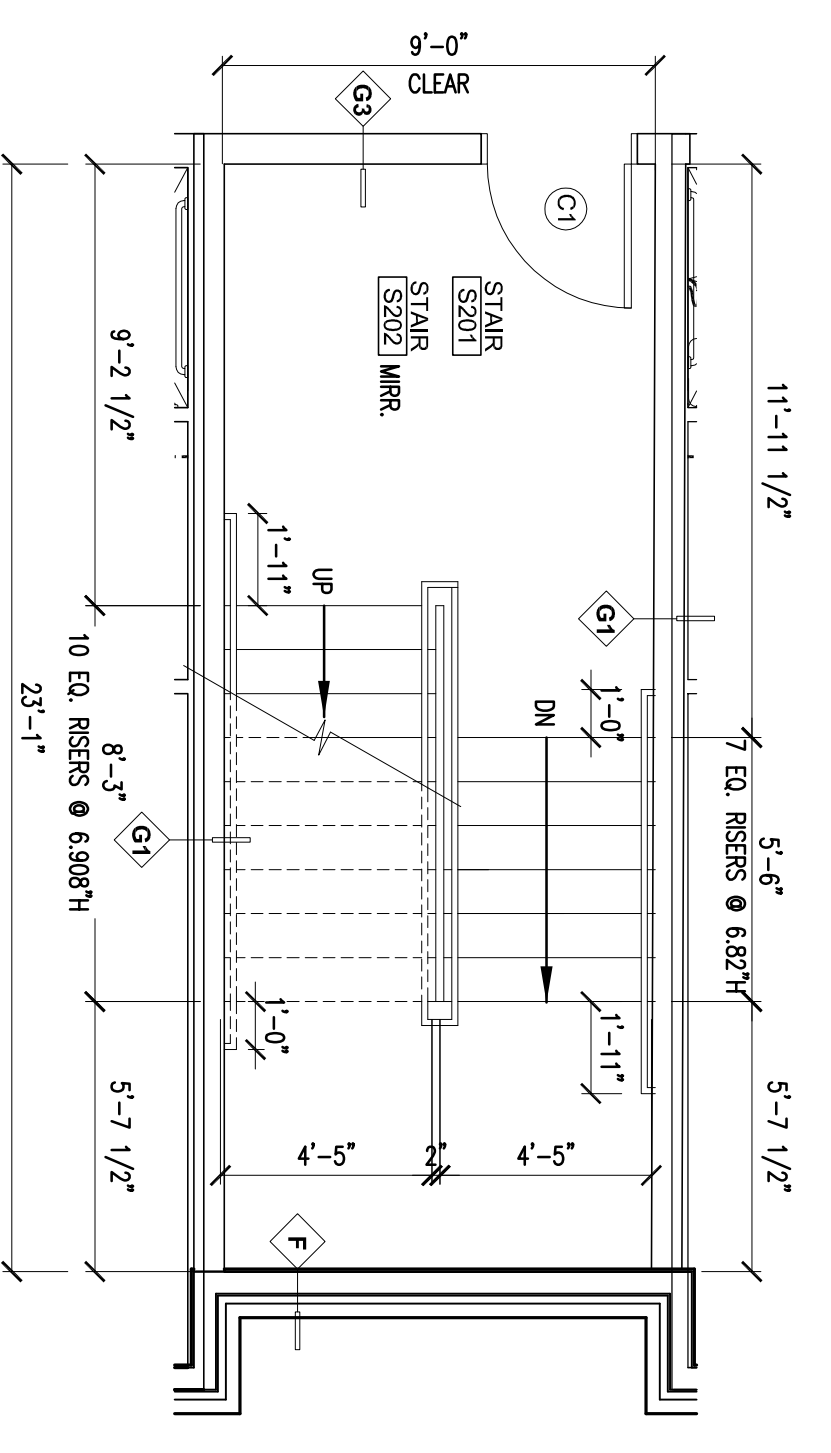
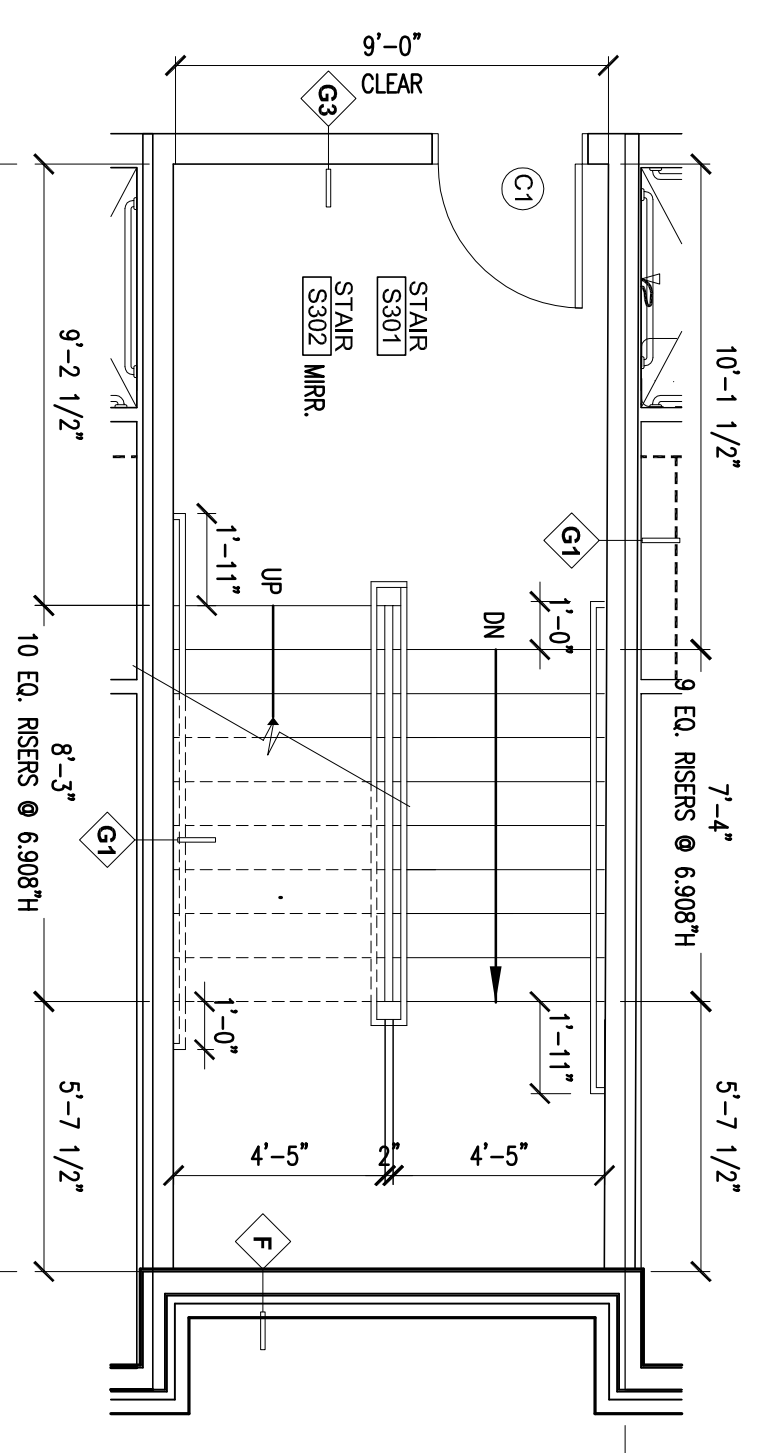
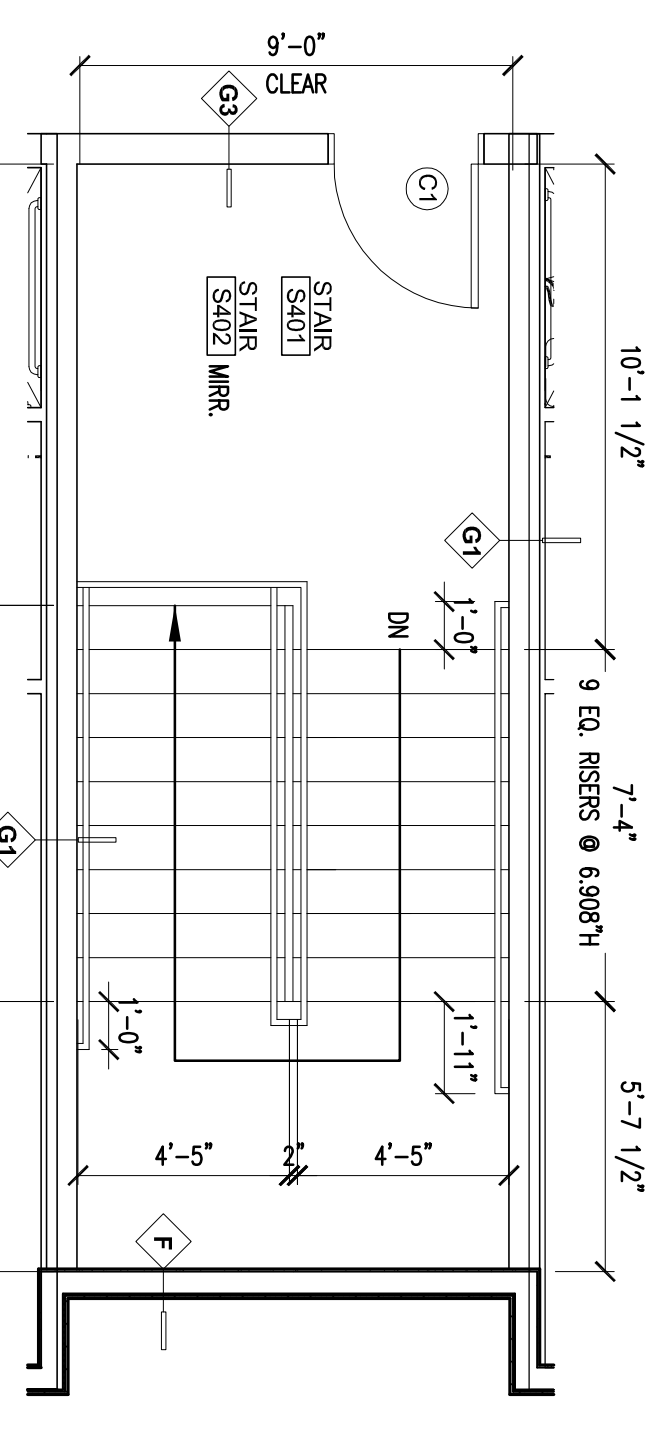
Revision	Description	Date
1	As Issued	22/11/11
2	As Issued	21/01/11
3	As Issued	4/11/11
4	As Issued	4/15/11

Scale: 1/8" = 1'-0"  
Date: August 1, 2011  
Drawing Title: UNIT PLANS

Sheet Number: A4.11

Professional of Record: Stewart Allen  
Professional Registration No. GA 3051  
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GENERAL NOTES:  
 1. CONTRACTOR SHALL SEAL GAPS BETWEEN STRINGERS & SIDE WALLS.  
 2. ALL STAIR SHALL HAVE CLOSED RISERS. CONTRACTOR SHALL PROVIDE DEDUCT ALTERNATE TO HAVE LESS THAN 4" GAP INSTEAD OF CLOSED RISER.



ALLEN WILSON III L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
 Commerce Drive  
 Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
 ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4488 | F: 404.233.7356 | LIC. NO. AA 000242  
 E: info@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

Structural Engineer

**STRUCTURAL CONSULTING GROUP**  
 6250 SHILOH RD SUITE 330  
 LAWRENCEVILLE, GA 30046  
 PH: 770-962-1420  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer

**JORDAN & SKALA**  
 4275 Stonehaven Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0282  
 Contact: VERN SMITH

STATE OF GEORGIA  
 REGISTERED PROFESSIONAL ENGINEER

KEY PLAN

Revision	Description	Date
4	Administrative & Coordination	4/15/11
3	Q3 Review Comments	4/11/11
2	Administrative	2/21/11
1	Administrative	2/10/11

Project No: A109132.00  
 File Name: A109132.00

Scale: August 1, 2011

Drawing Title:  
**ENLARGED STAIR PLANS**

Sheet Number:  
**A5.00**

Professional of Record: Stewart Allen  
 Professional Registration No: CA 3015

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CARPET  
 CPT-2 : C&A Explorer - 25012 Sealstar (Floors 1 & 3)  
 CPT-3 : C&A Explorer - 25013 - Kalamita (Floors 2 & 4)

PORCELAIN TILE

PT-1 : Dalile Diamante Blu P021 (Unpolished) 18" x 18"  
 PT-2 : Dalile Diamante Blu P030 (Unpolished) 18" x 18"  
 PT-3 : Dalile Diamante Blu P030 (Polished) cut to 4" x 4" Squares  
 PT-4 : Dalile Diamante Blu P030 (Unpolished) 18" x 18"  
 PT-5 : Dalile Diamante Blu P030 (Unpolished) 18" x 18"  
 PT-6 : Dalile Diamante Blu P030 (Polished) cut to 4" x 4" Squares

TILE (For common area Restrooms)

Floor : PT-1 : Dalile Diamante Blu P030 (Unpolished) 18" x 18"  
 Wall : Dalile Semi-Gloss Matte-Desert Gray X114 (Semi-gloss) 4 1/4" X 4 1/4"  
 Phoenix Touchset-corner-wall-tiles-as-base

PAINT

P-2 (Door, Trim, & Mahseco): SW 0050 Classic Light Buff - Semi Glass  
 P-3 (Ceiling Color): SW Ceiling White (Flat)  
 P-6 (Wall Color): SW 6068 Capen Blue (Floors 1 & 3)  
 P-7 (Wall Color): SW 0029 Acanthus (Floors 2 & 4)

COUNTERTOP

Front desk, Kitchen & Bathroom Countertops: Granite (3 CM THK)  
 Mark-A-Place, Pagsikil, Larnaged, Galko, Tabe-geladela, by owner

VCT (Vinyl Composite Tile)

Light Fixture SEE ELECTRICAL DRAWINGS  
 Gypsum Wall Board  
 Light Fixture SEE ELECTRICAL DRAWINGS

BASE

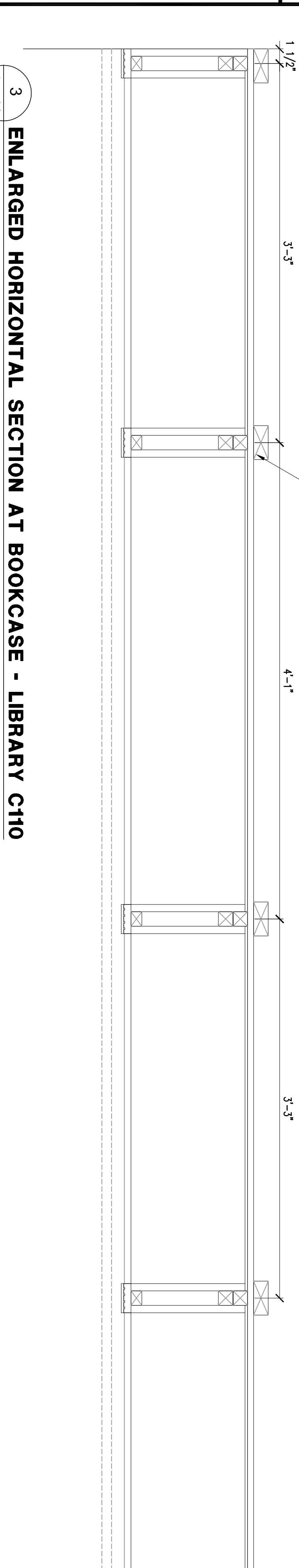
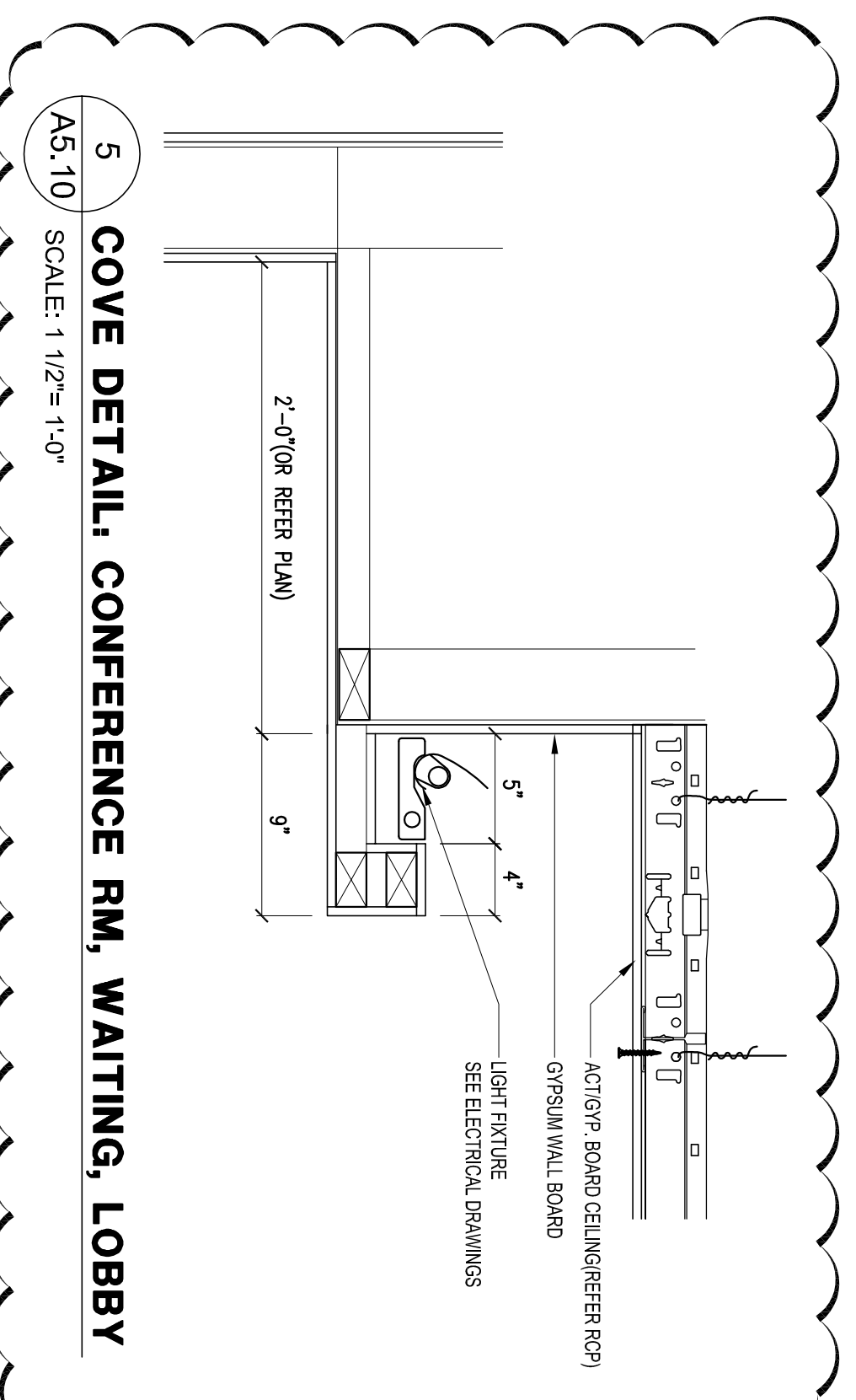
Vinyl Base (In MEP Area)  
 VB-1: Johnsonite Z76 Mystical  
 All Other areas shall have Wood Base as shown on A800.

STAIN

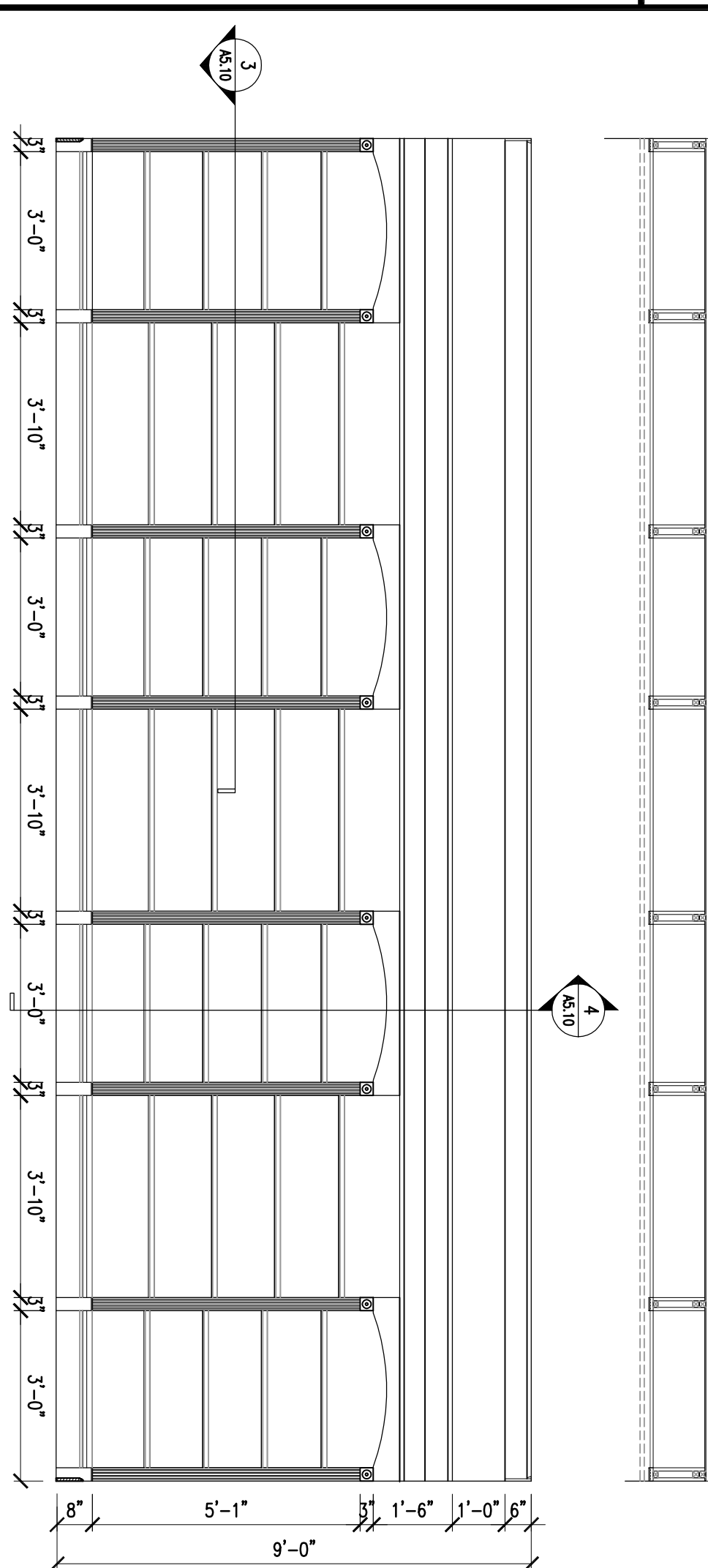
In Library area: as selected by owner

SOLID VINYL (Common Area Laundry, Breakroom, Kitchen(C13) & Trash rooms)

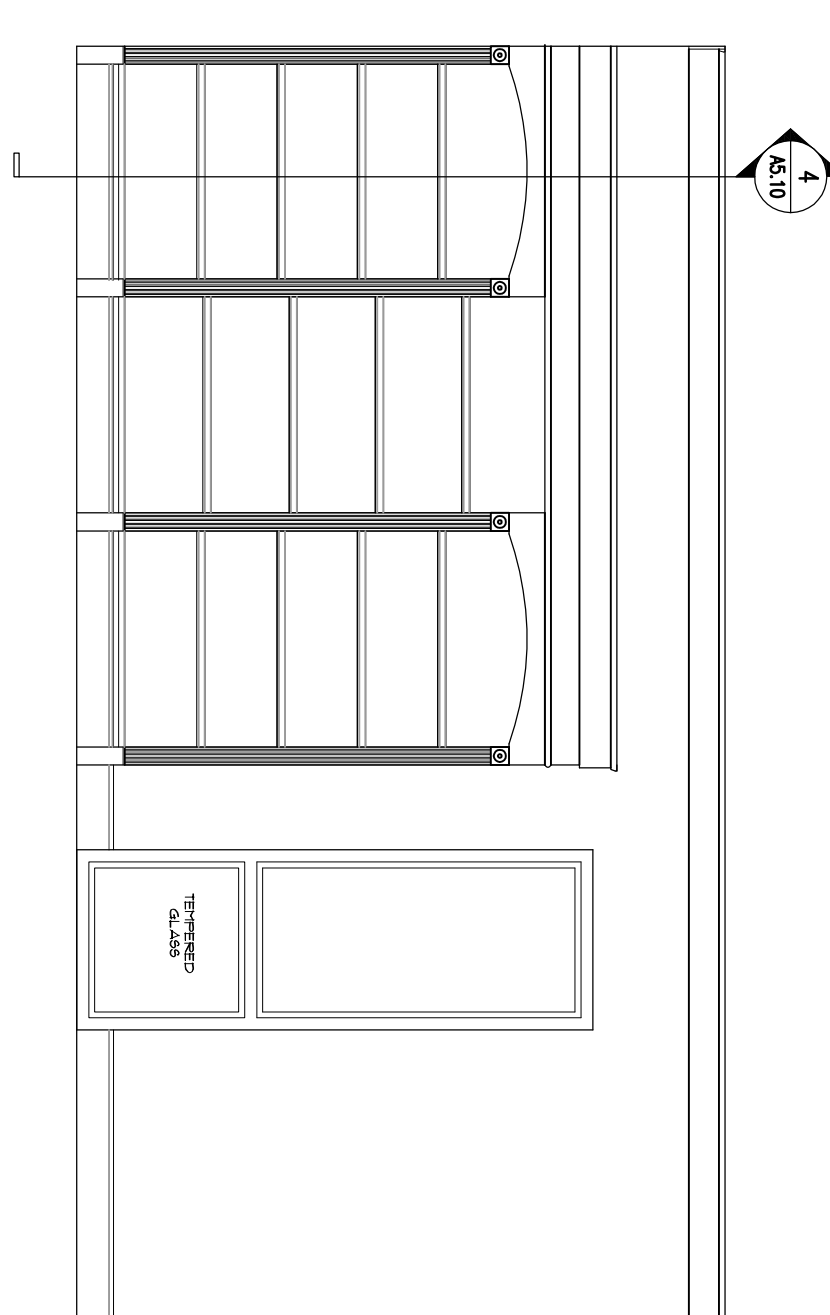
VE-1 FLOOR: 3MM Thick With 20ML Wear Layer, 20 Year Warranty, 4%38 plants ColorPattern  
 Tbd by Architect/owner (Owners option to go with Enviroquile backing with 1/2 mil wear layer)



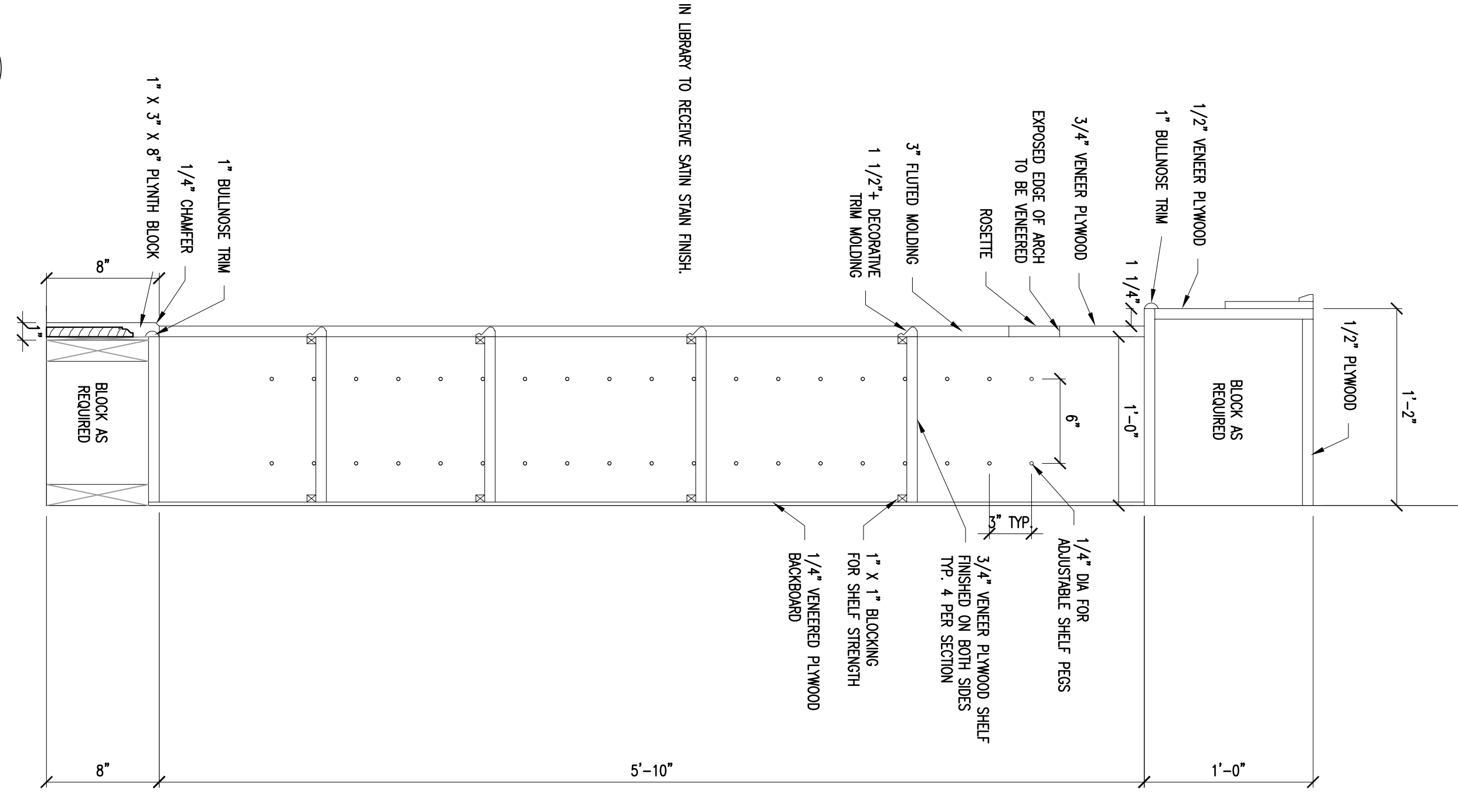
**3 ENLARGED HORIZONTAL SECTION AT BOOKCASE - LIBRARY C110**  
 A5.10 SCALE: 1/12"= 1'-0"



**1 LIBRARY C110 NORTH ELEV.**  
 A5.10 SCALE: 3/8"= 1'-0"



**2 LIBRARY C120 SOUTH ELEV.**  
 A5.10 SCALE: 3/8"= 1'-0"



**4 SECTION AT BOOKCASE - LIBRARY C110**  
 A5.10 SCALE: 1/12"= 1'-0"

NOTE: ALL MILLWORK IN LIBRARY TO RECEIVE SAWN STAIN FINISH.



**ALLEN WILSON III L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
 Commerce Drive  
 Decatur, Georgia

**OLIVER HOUSE**

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**HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30365  
 T: 404.238.4488 | F: 404.238.7385 | LIC. NO. AA 000242  
 E: info@hadp.com | www.hadp-architecture.com

**ENGINEER**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
 6250 SHILTON ROAD SUITE 330  
 NORTH DECATUR, GA 30059  
 Phone: 404-244-2500  
 Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
 4275 Stockton Road, Suite 200  
 Norcross, GA 30092  
 770-441-5547 Fax: 770-444-8282  
 Contact: VERN SMITH

KEY PLAN			

Revision	Description	Date
4	Administrative & Coordination	4/15/11
3	OG Review Comments	4/11/11
2	Administrative	2/21/11
1	Administrative	2/10/11

Project No. A409132.00  
 File Name

Scale August 1, 2011

Drawing Title  
**INTERIOR ELEVATIONS AND SECTIONS**

Sheet  
**A5.10**

Professional of Record: Stewart Allen  
 Professional Registration No. GA 3015  
 Seal:  
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**FINAL CONSTRUCTION SET, AUGUST 1, 2011**

ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT ROAD NE | ATLANTA, GEORGIA 30305  
T: 404.253.4488 | F: 404.253.7356 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

**Chief Engineer**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**Structural Engineer**  
STRUCTURAL CONSULTING GROUP  
6520 SHILOH ROAD SUITE 300  
LITTLE ROCK, AR 72114  
Phone: 501-221-3000  
Contact: JOHN FLANNIGAN

**Electric, Mechanical, Plumbing & Fire Protection Engineer**  
JORDAN & SHALA  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0282  
Contact: VERN SMITH



Revision	Description	Date
4	Administrative & Coordination	4/15/11
3	Obj Review Comments	4/11/11
2	Administrative	2/21/11
1	Issued for Construction	2/10/11

Project No: A409132.00  
File Name: A409132.00

Drawing Title  
**INTERIOR ELEVATIONS  
AND SECTIONS**

Scale: August 1, 2011  
Date

Professional of Record: Stewart Allen  
Professional Registration No: CA 30151  
Seal

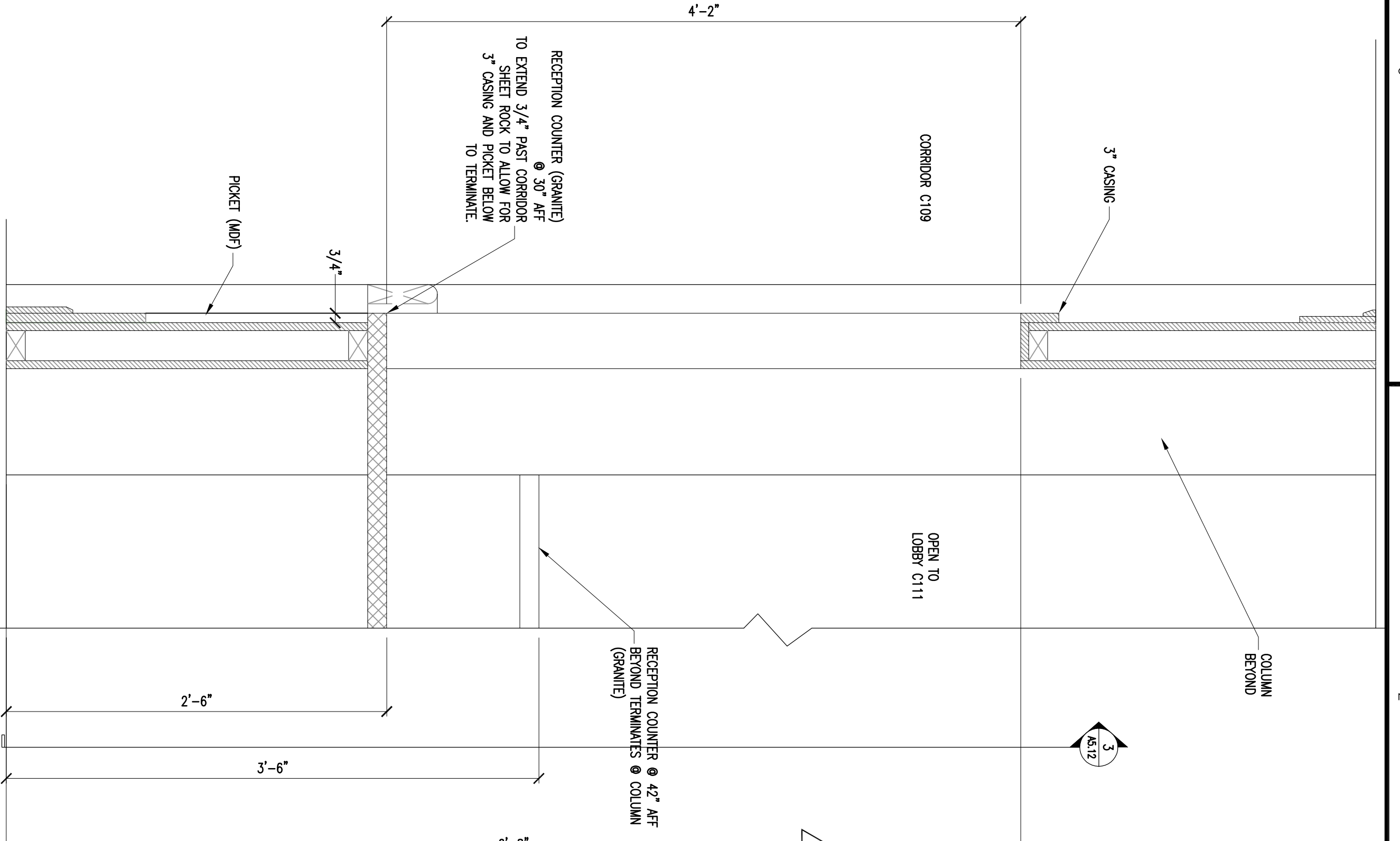
Sheet Number  
**A5.11**

**COMMON AREA FINISHES:**

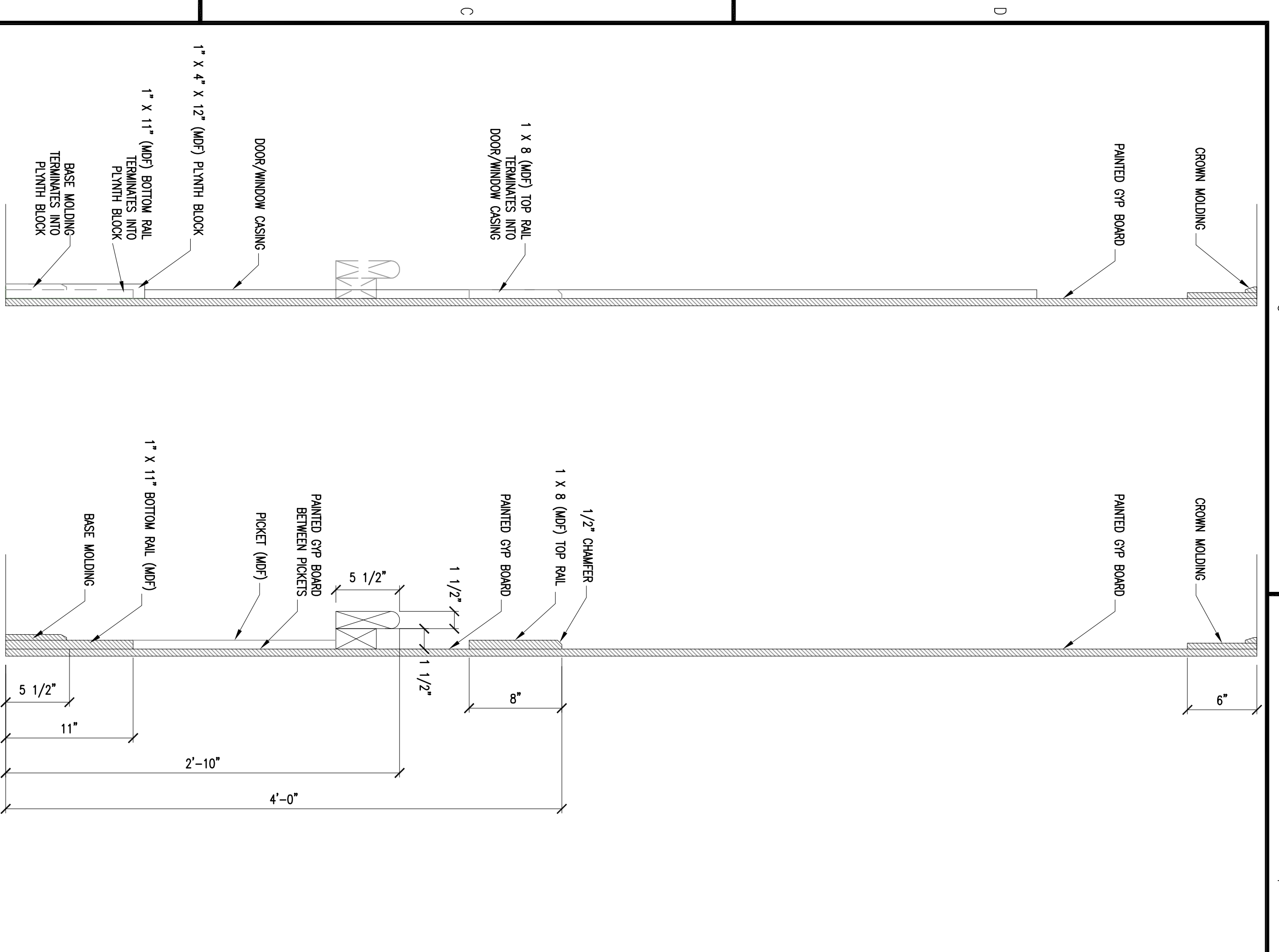
- CARPET**
- CPT-2 : C&A Explorer - 25012 Seafarer (Floors 1 & 3)
- CPT-3 : C&A Explorer - 25013 - Kaleider (Floors 2 & 4)
- PORCELAIN TILE**
- PT-1 : Daltile Diamante Grigio P021 (Unpolished) 18" x 18"
- PT-2 : Daltile Diamante Blu P030 (Unpolished) 18" x 18"
- PT-3 : Daltile Diamante Blu P030 (Polished) cut to 4" x 4" Squares
- TILE (for common area Restrooms)**
- Floor : CPT-1 - Daltile Diamante Blu P030 (Unpolished) 18" x 18"
- Wall : Daltile Semi-Gloss Matte - Desert Gray X114 (Semi-gloss) 4 1/2" x 4 1/2"
- Provide Touchset counter wall the rest base

- PAINT**
- P-2 (Door, Trim, & Wainscot): SW 0050 Classic Light Buff - Semi Gloss
- P-5 (Ceiling Color): SW Ceiling White (Flat)
- P-6 (Wall Color): SW 6068 Coban Blue (Floors 1 & 3)
- P-7 (Wall Color): SW 0029 Acantinus (Floors 2 & 4)
- COUNTER TOP**
- Front desk, Kitchen & Bathroom Countertops: Granite (3 CM Thk)
- Wgtr-Area: Physical Impatched-Colex-Table specified by owner

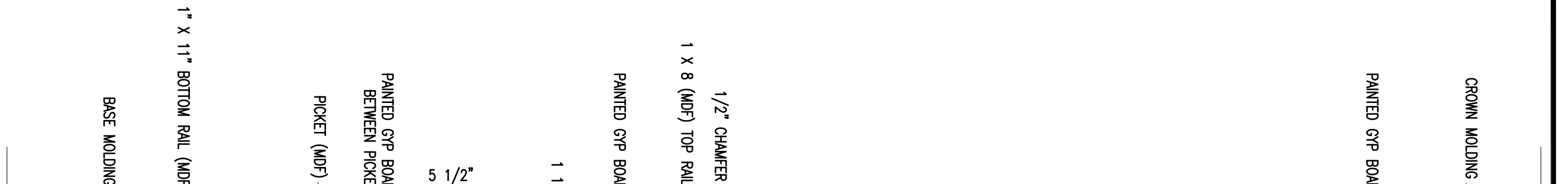
- VCT (Vinyl Composite Tile)**
- SOLID VINYL (Common Area Laundry, Breakroom, Kitchen(C133) & Trash rooms)**
- VCT-1 FLOORFLO 3MM Thick With 20Mil Wear Layer - 20 Year Warranty - 4'x36" Planks Color/Pattern TBD by Architect/owner (Owners option to go with Enviroquilt backing with 12 mil wear layer)
- STAIN**
- In Library area: as selected by owner
- BASE**
- Vinyl Base (in MEP Area)
- VB-1: Johnsonite 276 (Vinyl)



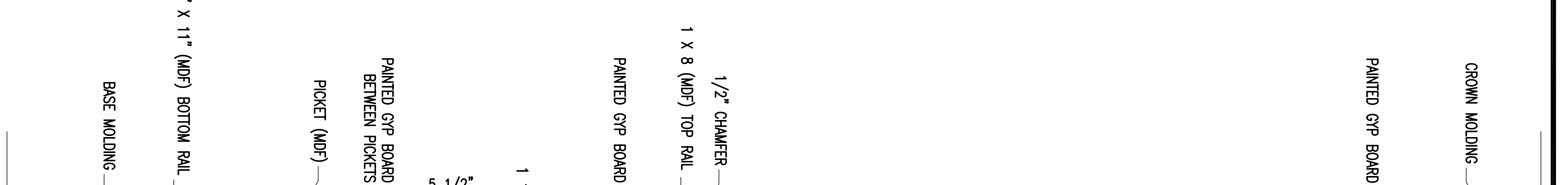
**2 SECTION AT CORRIDOR MILLWORK**  
A5.11 SCALE: 1 1/2"=1'-0"



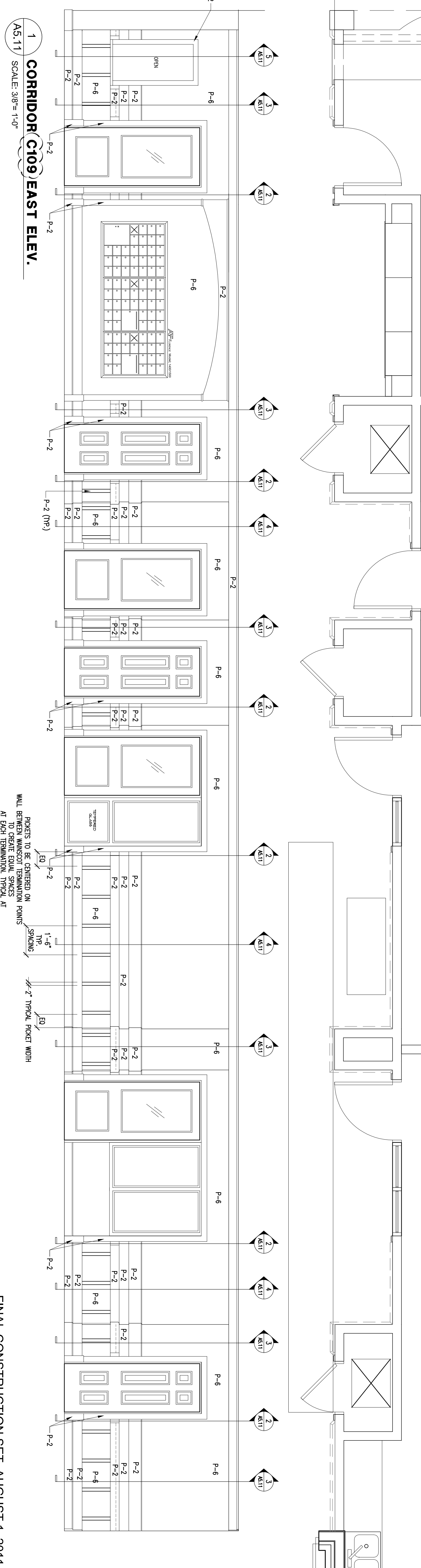
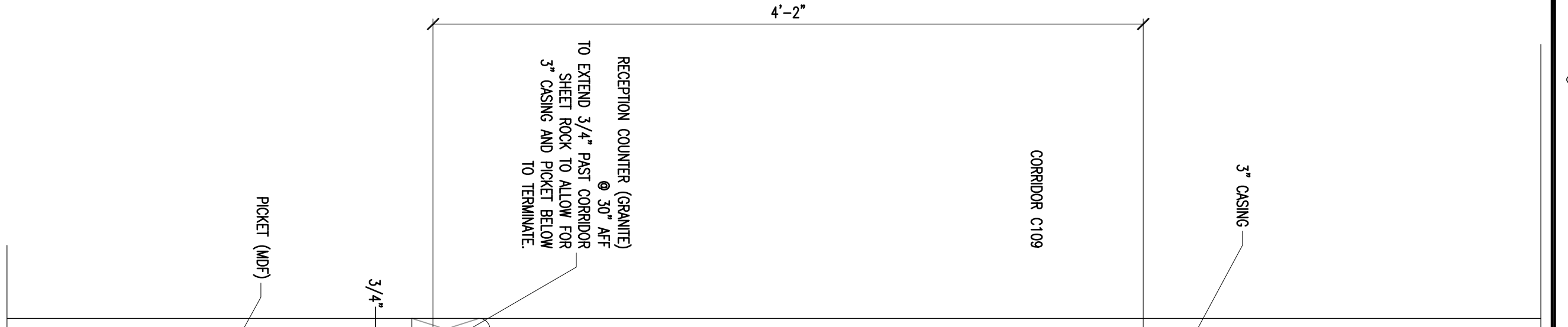
**3 SECTION AT CORRIDOR MILLWORK**  
A5.11 SCALE: 1 1/2"=1'-0"



**4 SECTION AT CORRIDOR MILLWORK**  
A5.11 SCALE: 1 1/2"=1'-0"



**5 SECTION AT RECEPTION H.C. OPENING**  
A5.11 SCALE: 1 1/2"=1'-0"



**1 CORRIDOR C109 EAST ELEV.**  
A5.11 SCALE: 3/8"=1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

**COMMON AREA FINISHES :**  
**CARPET**  
**CPT-2 :** C&A Explorer - 25012 Saafar (Floors 1 & 3)  
**CPT-3 :** C&A Explorer - 25013 - Kalahari (Floors 2 & 4)

**PORCELAIN TILE**  
**PT-1 :** Daille Diamante Grigio PQ21 (Unpolished) 18" x 18"  
**PT-2 :** Daille Diamante Blu PQ30 (Unpolished) 18" x 18"  
**PT-3 :** Daille Diamante Blu PQ30 (Polished) cut to 4" x 4" Squares

**TILE (For common area Restrooms)**  
**Floor :** CT-1 - Daille Diamante Blu PQ30 (Unpolished) 18" x 18"  
**Wall :** Daille Semi-Gloss Matte-Desert (Gray X114 (Semi-gloss) 4 1/4" X 4 1/4"  
 Provide rounded corner wall tiles as vase

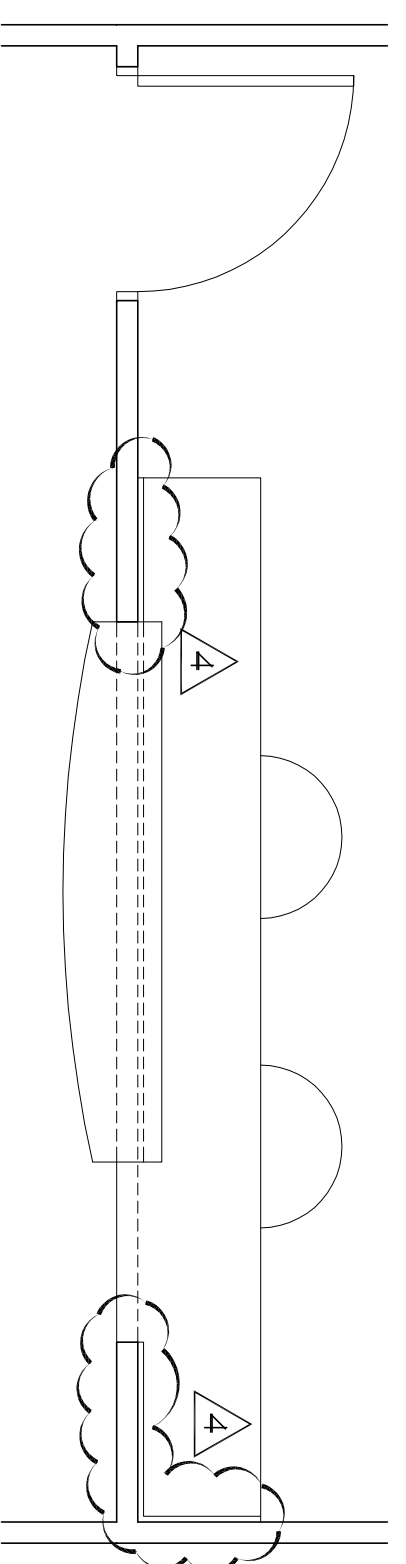
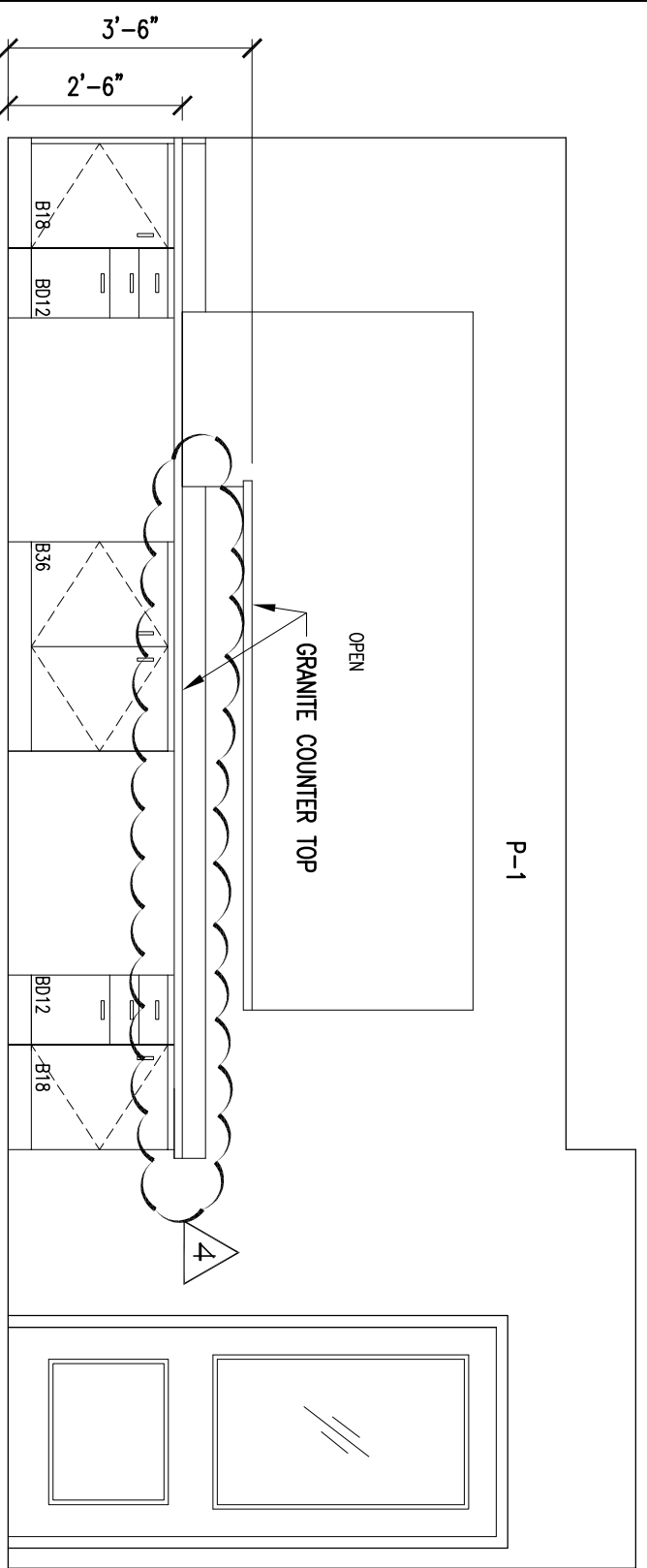
**PAINT**  
**P-2 (Door, Trim, & Maincoat):** SW 0050 Classic Light Buff - Semi Gloss  
**P-5 (Ceiling Color):** SW Ceiling White (Flat)  
**P-6 (Wall Color):** SW 6068 Copen Blue (Floors 1 & 3)  
**P-7 (Wall Color):** SW 0029 Acanthus (Floors 2 & 4)

**COUNTER TOP**  
**Front desk, Kitchen & Bathroom Countertops:** Granite (3 CM THK)  
**Work Area, Plaque, Laminated-Clock, To be specified by owner**  
**VCT (Vinyl Composite Tile)**  
**Work Area, Reception Counter**

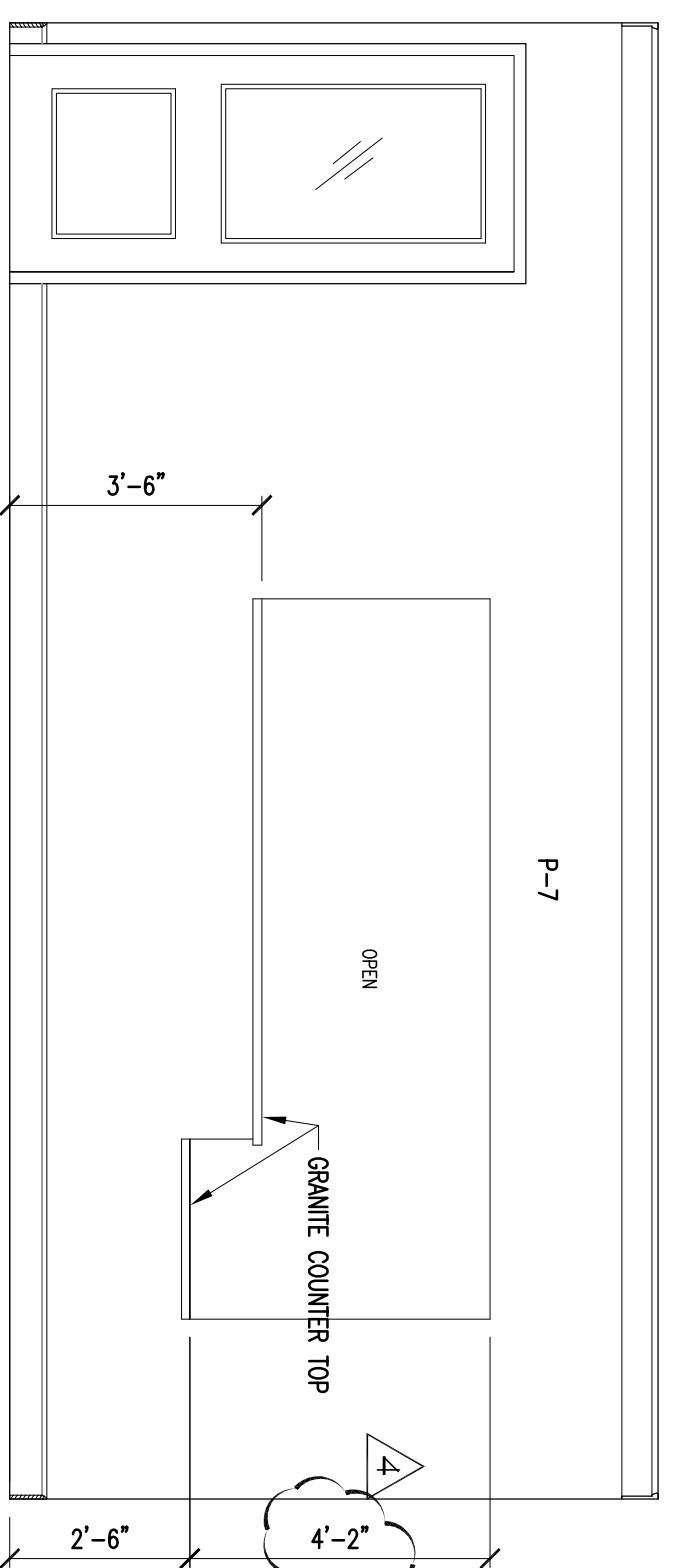
**SOLID VINYL (Common Area Laundry, Breakroom, Kitchen(C133) & Trash rooms)**  
**V-1 FLOORING (3MM Thick Vinyl 20ML Wear Layer - 20 Year Warranty) - 4 X8 planks Color/Pattern TBD by Architect/owner (Owners option to go with Enviroquik Dackling with 1/2 mm wear layer)**

**STAIN**  
 In Library area: as selected by owner

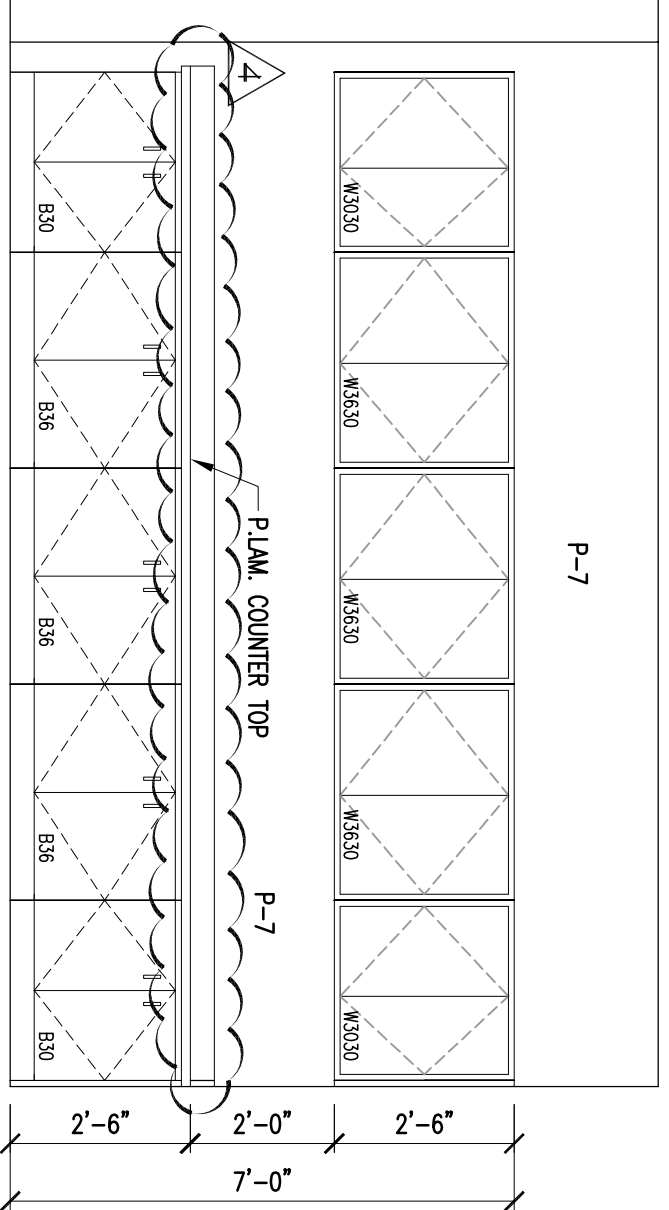
6 RECEPTION C127 EAST ELEV.  
 SCALE: 3/8" = 1'-0"



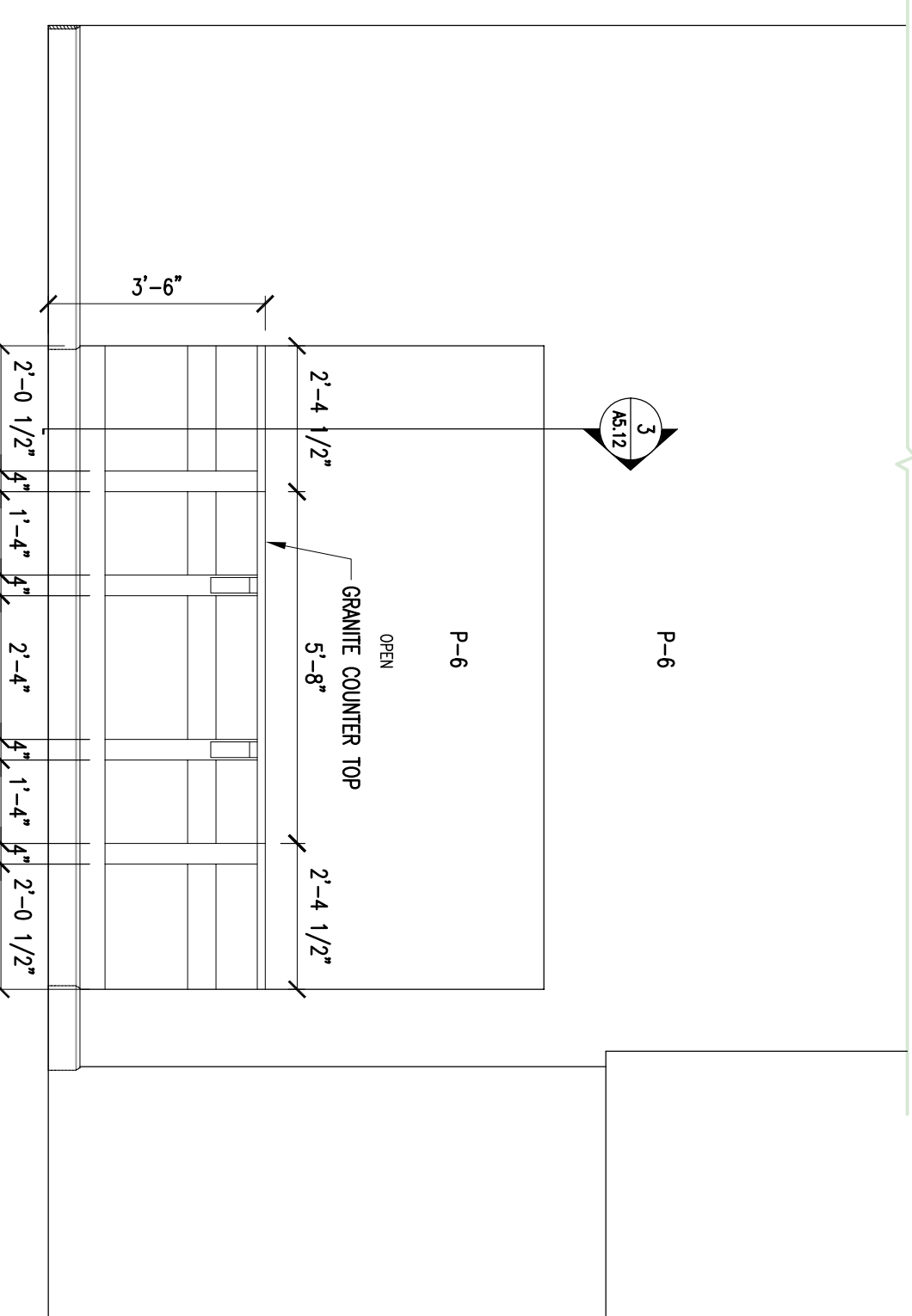
5 WAITING C126 WEST ELEV.  
 SCALE: 3/8" = 1'-0"



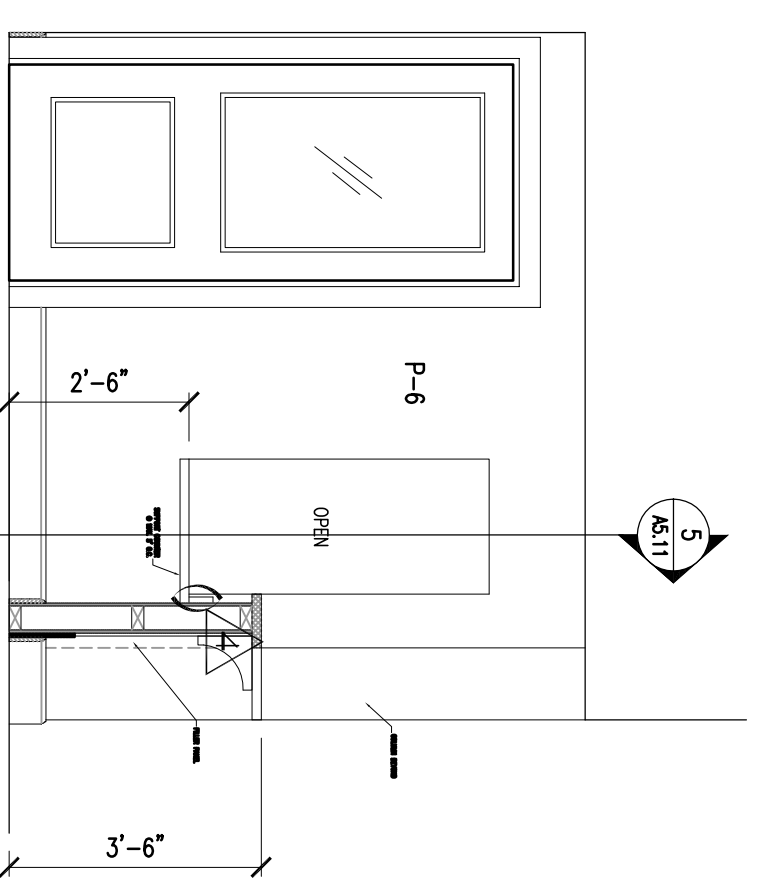
7 RECEPTION C127 WEST ELEV.  
 SCALE: 3/8" = 1'-0"



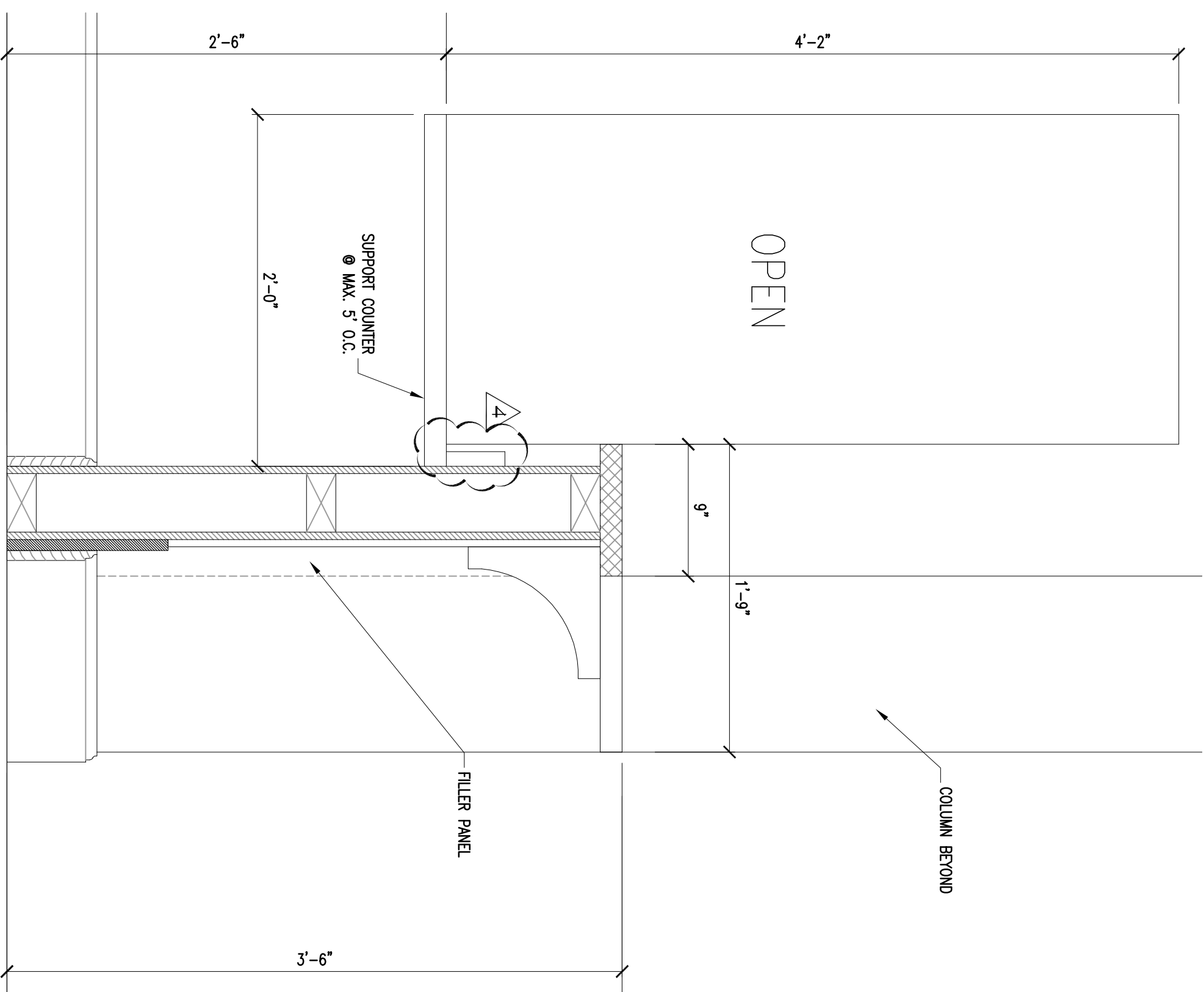
1 LOBBY C111 SOUTH ELEV.  
 SCALE: 3/8" = 1'-0"



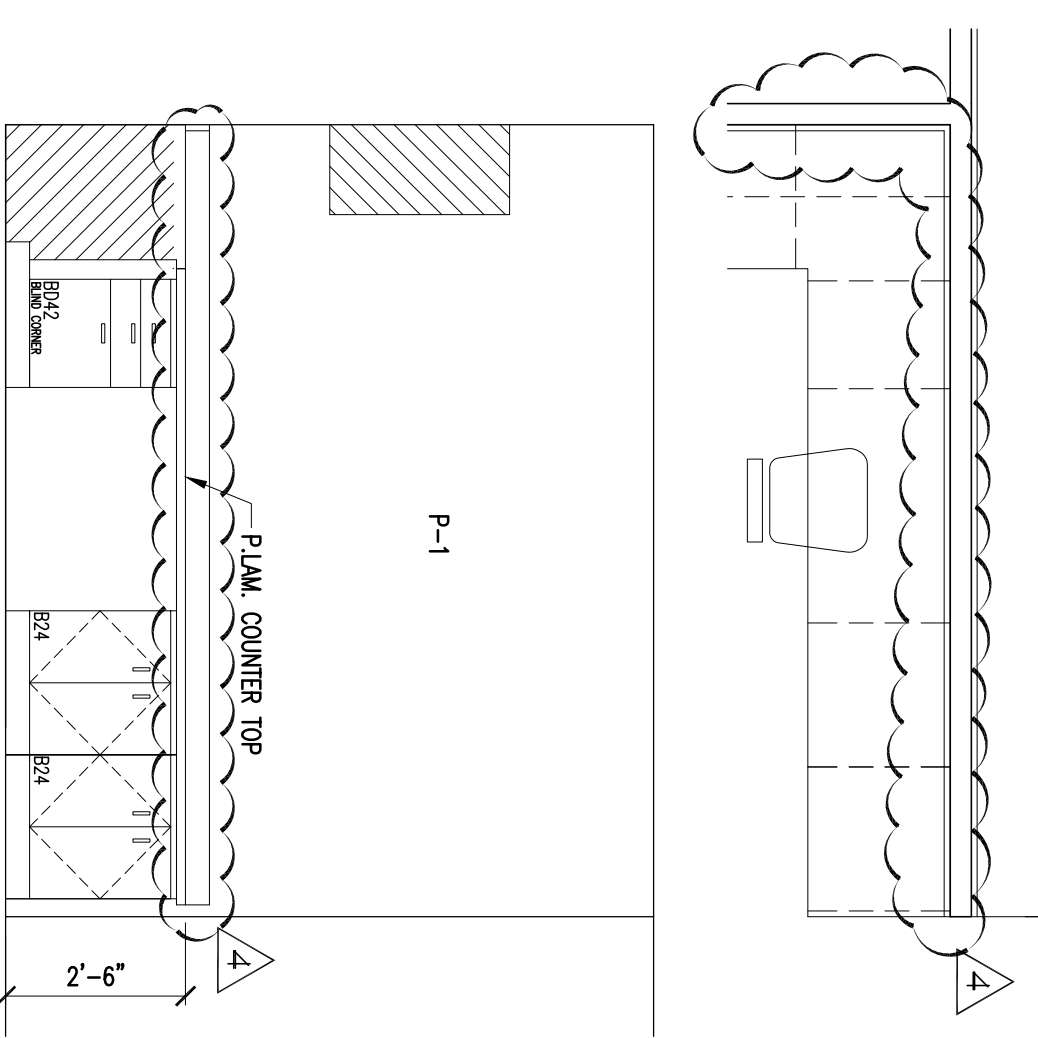
2 RECEPTION C112 WEST ELEV.  
 SCALE: 3/8" = 1'-0"



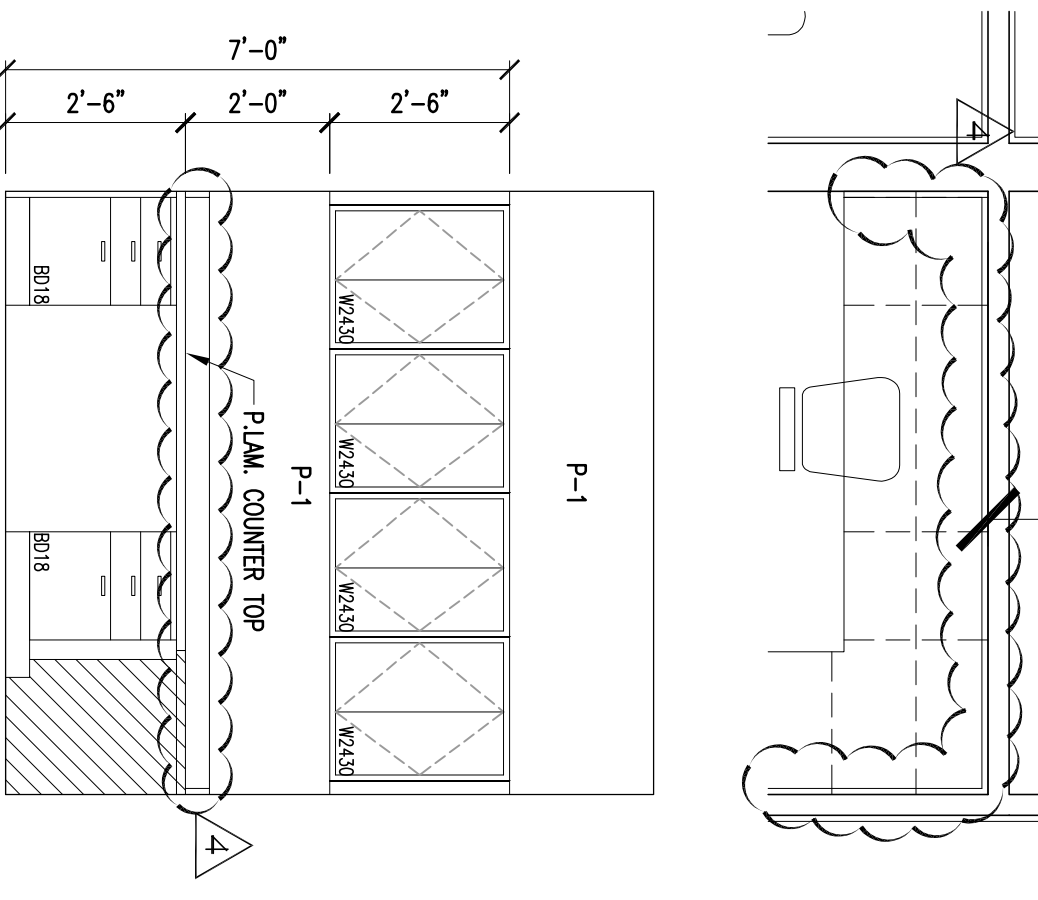
3 SECTION AT RECEPTION C112 COUNTER  
 SCALE: 1 1/2" = 1'-0"



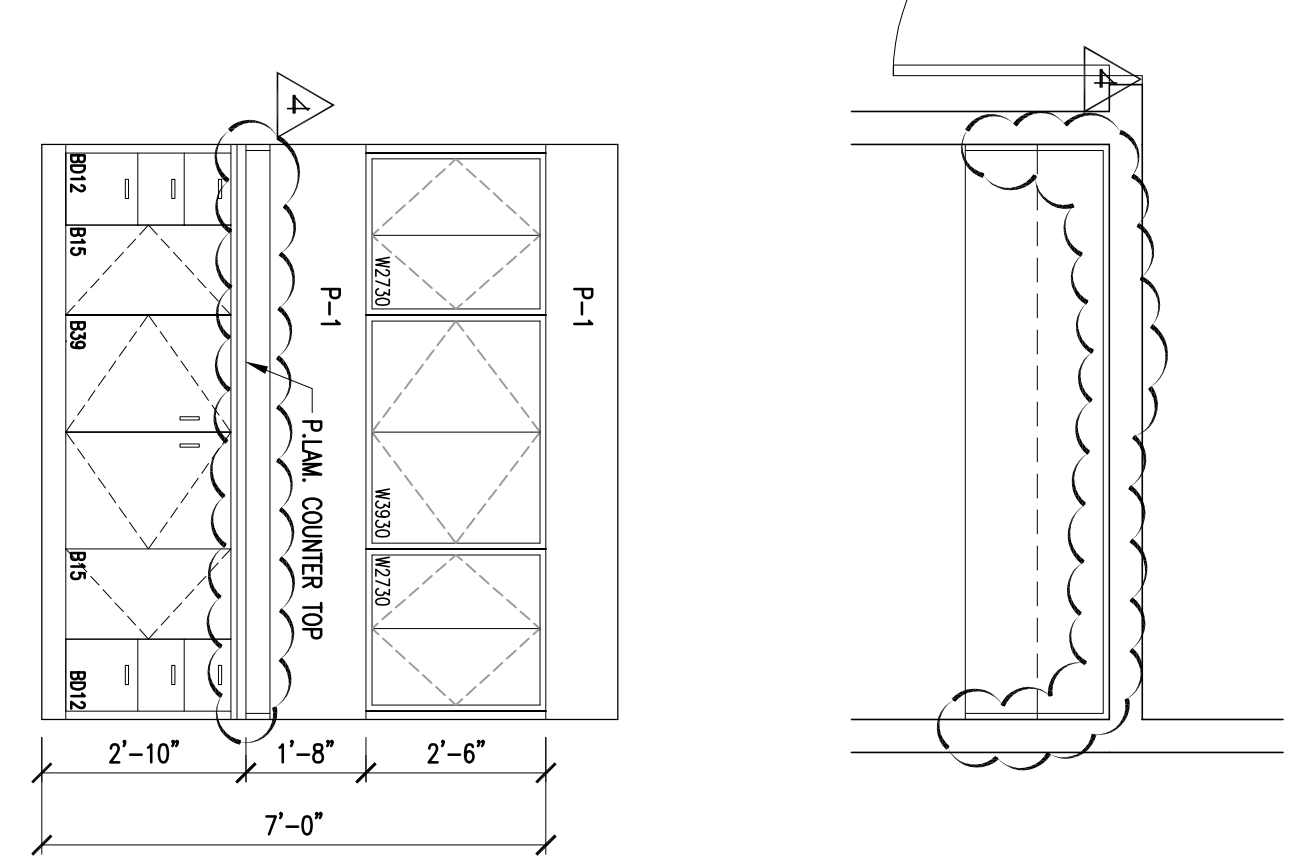
8 WORK C131A EAST ELEV.  
 SCALE: 3/8" = 1'-0"



9 WORK C131A NORTH ELEV.  
 SCALE: 3/8" = 1'-0"



4 COPIER C113 EAST ELEV.  
 SCALE: 3/8" = 1'-0"



**ALLEN WILSON III L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

**OLIVER HOUSE**  
 Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
 T: 404.253.4488 | F: 404.253.7361 | LIC. NO. AA 0002442  
 E: info@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
 6520 SHILTON RD SUITE 330  
 LITTLE ROCK, AR 72209  
 Phone: 501-221-4400  
 Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
 4275 Shadedford Road, Suite 200  
 Norcross, GA 30092  
 770-441-5547 Fax: 770-448-0282  
 Contact: VERN SMITH



**KEY PLAN**

1	Reception	2/10/11
2	Waiting	2/10/11
3	Office	2/10/11
4	Restroom	2/10/11

**INTERIOR ELEVATIONS**

Scale August 1, 2011

**AS.12**

Professional of Record: Stewart Allen  
 Professional Registration No. CA 3015

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ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4488 | F: 404.233.7356 | LIC. NO. AA 0002442  
E: info@hadp.com | www.hadp-architect.com

**Civil Engineer**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**Structural Engineer**  
STRUCTURAL CONSULTING GROUP  
6526 SHILTON ROAD SUITE 330  
LITTLE ROCK, AR 72209  
Phone: 501-224-3000  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
JORDAN & SKALA  
4275 Stonedonor Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-0292  
Contact: VERN SMITH



Revision	Description	Date
1	Adopted/rev1	2/10/11
2	Adopted/rev2	2/21/11
3	Obj Review Comments	4/11/11
4	Adopted/rev4 & Coordination	4/15/11

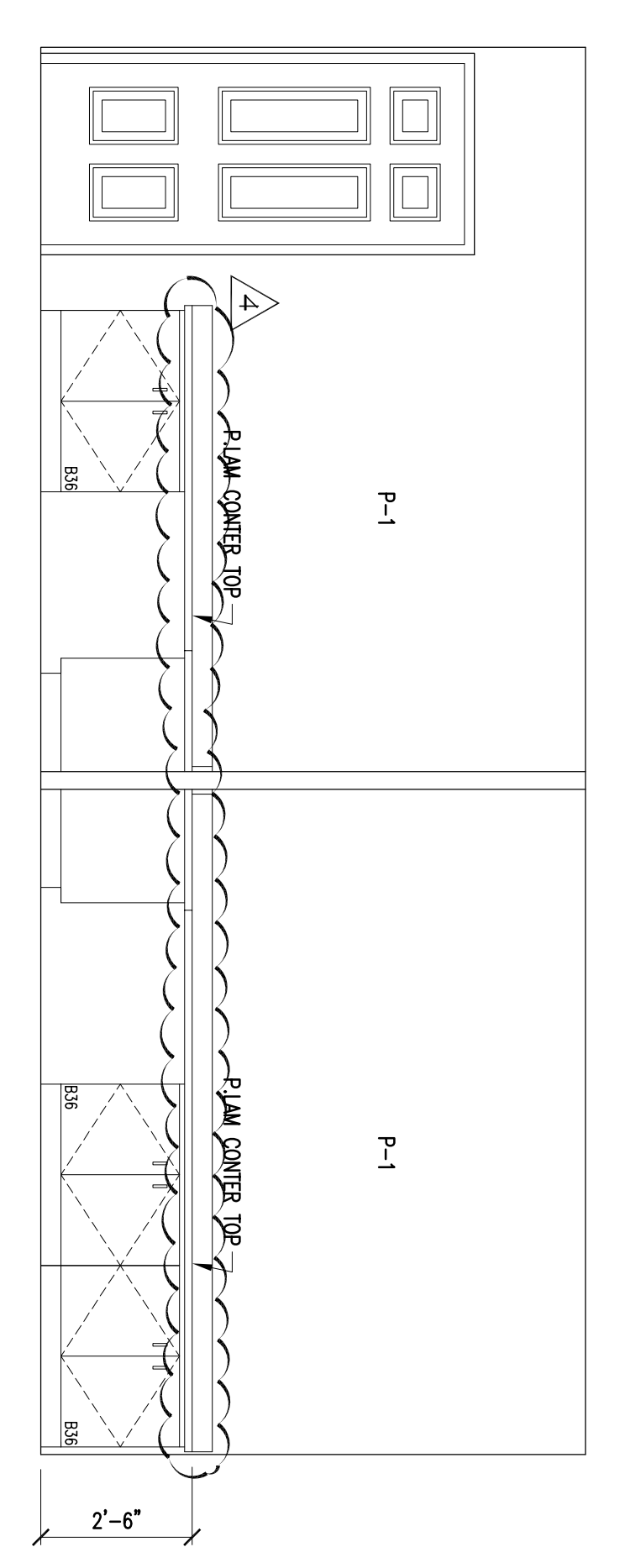
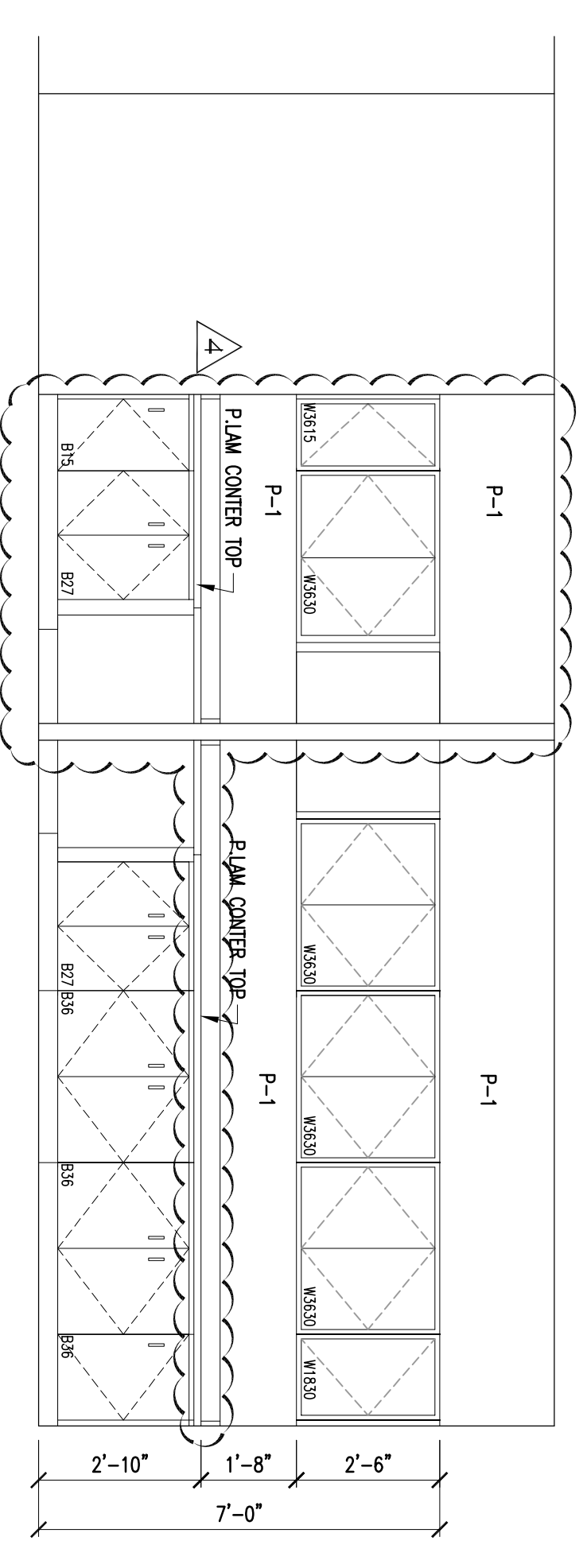
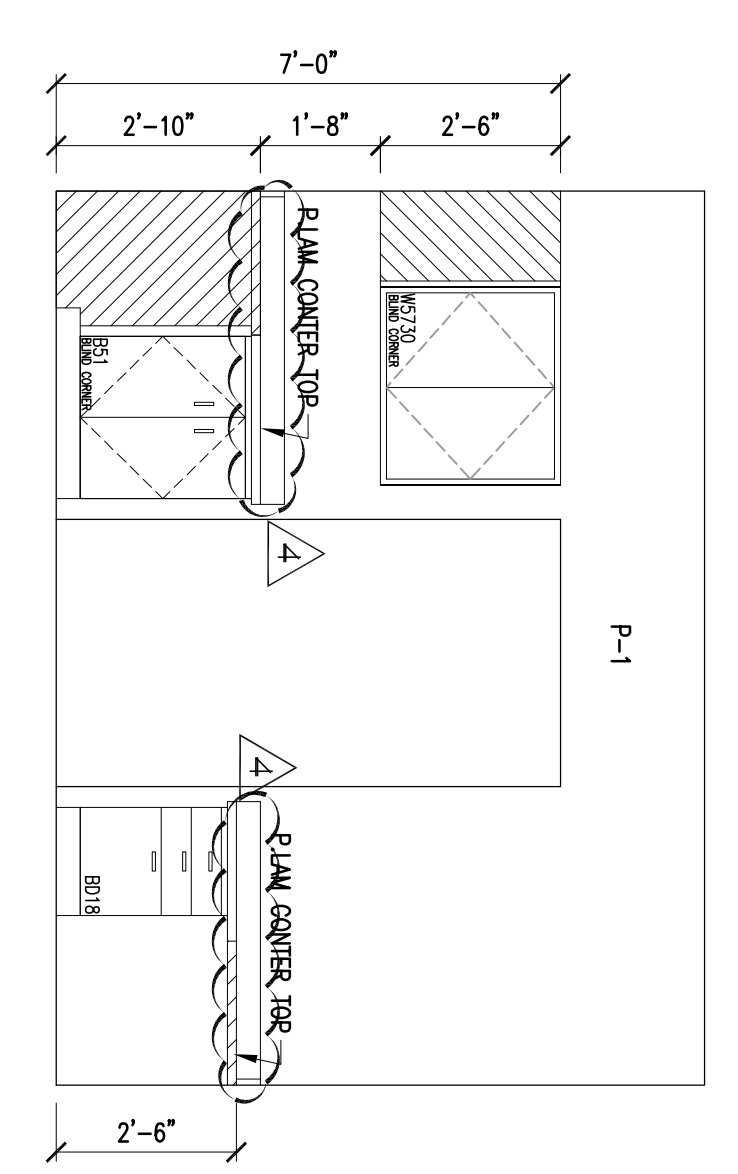
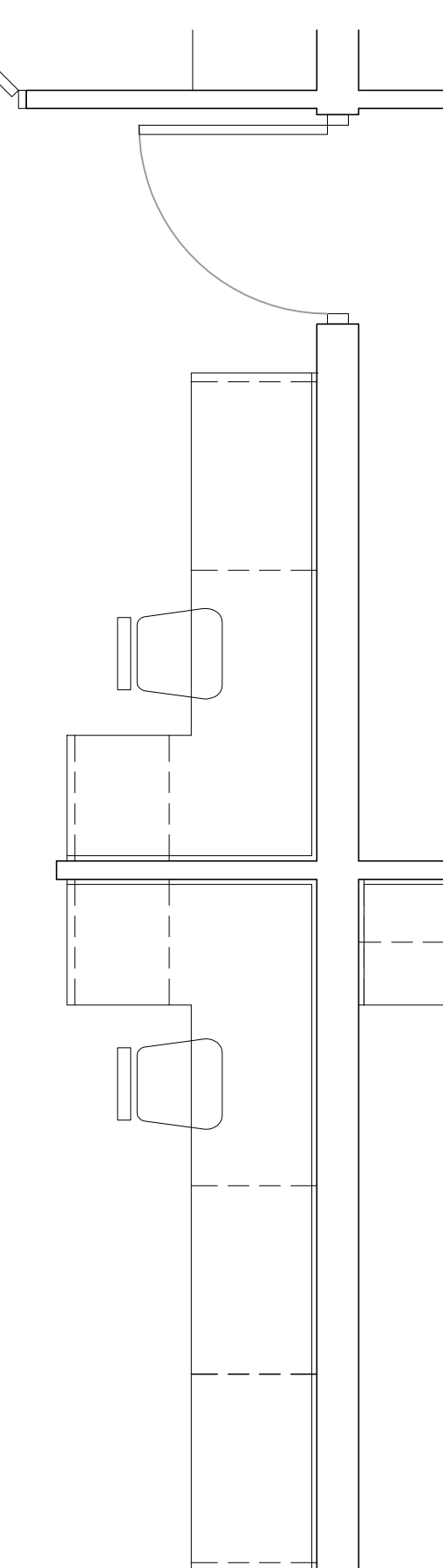
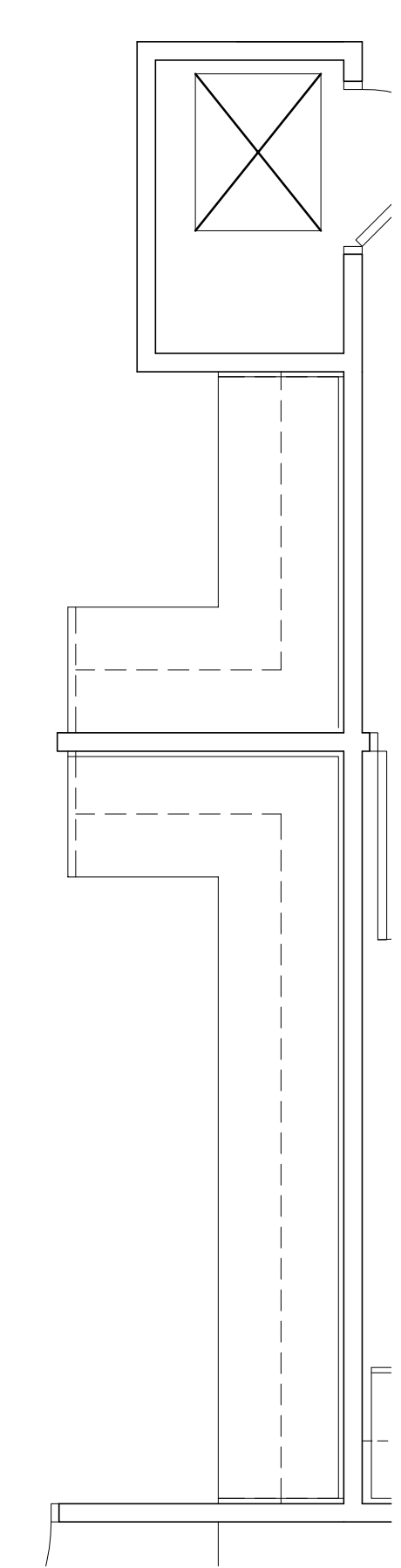
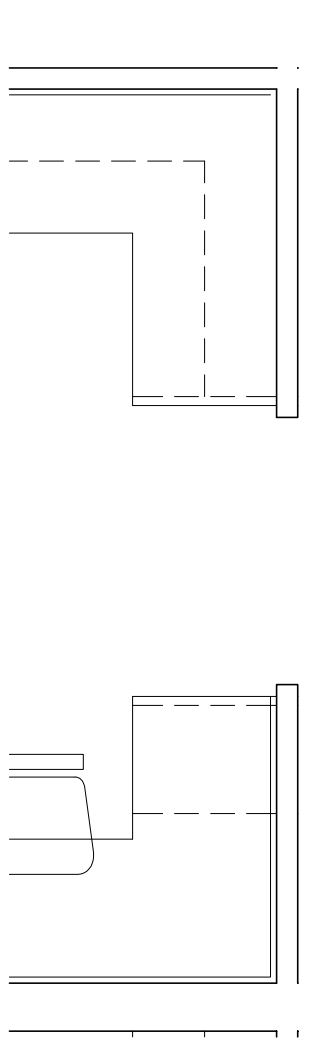
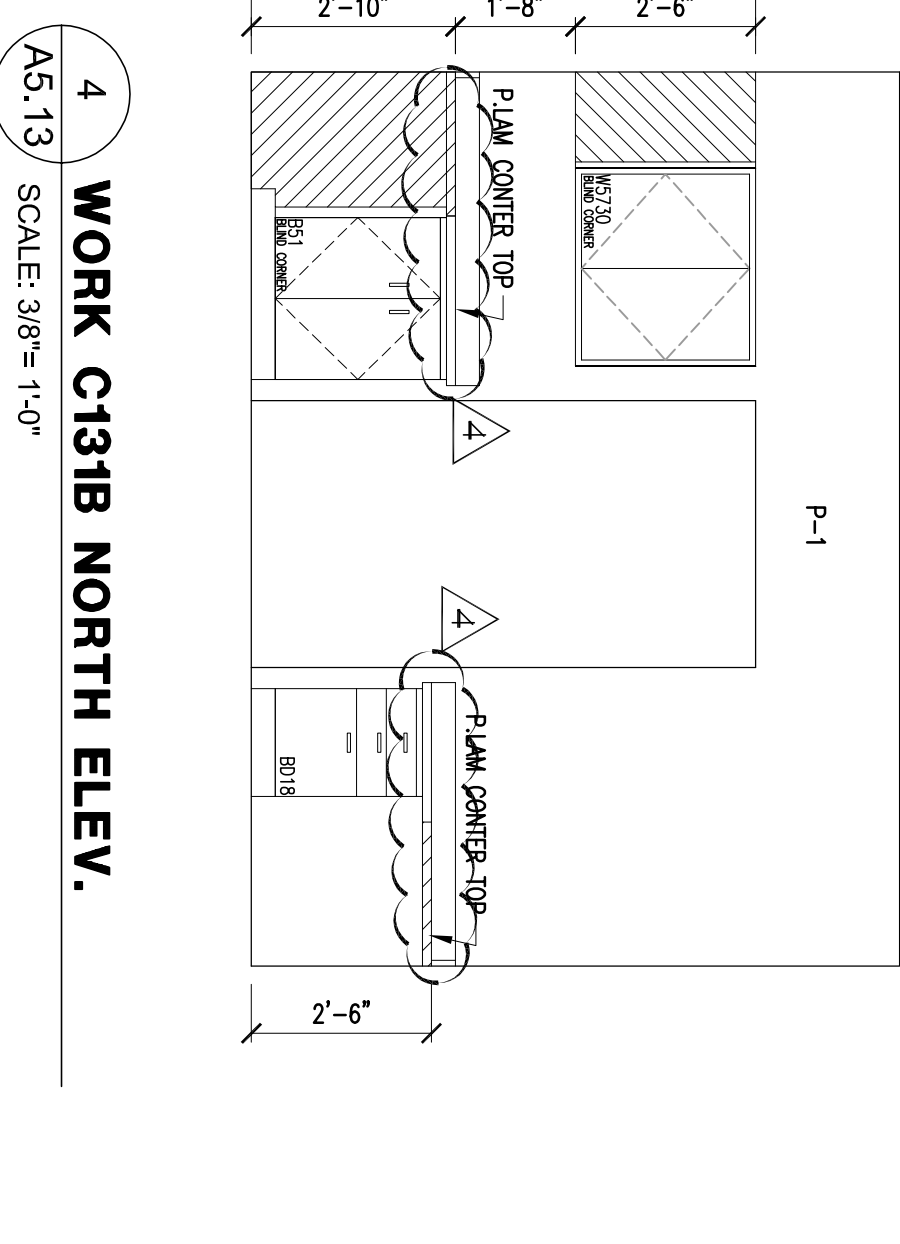
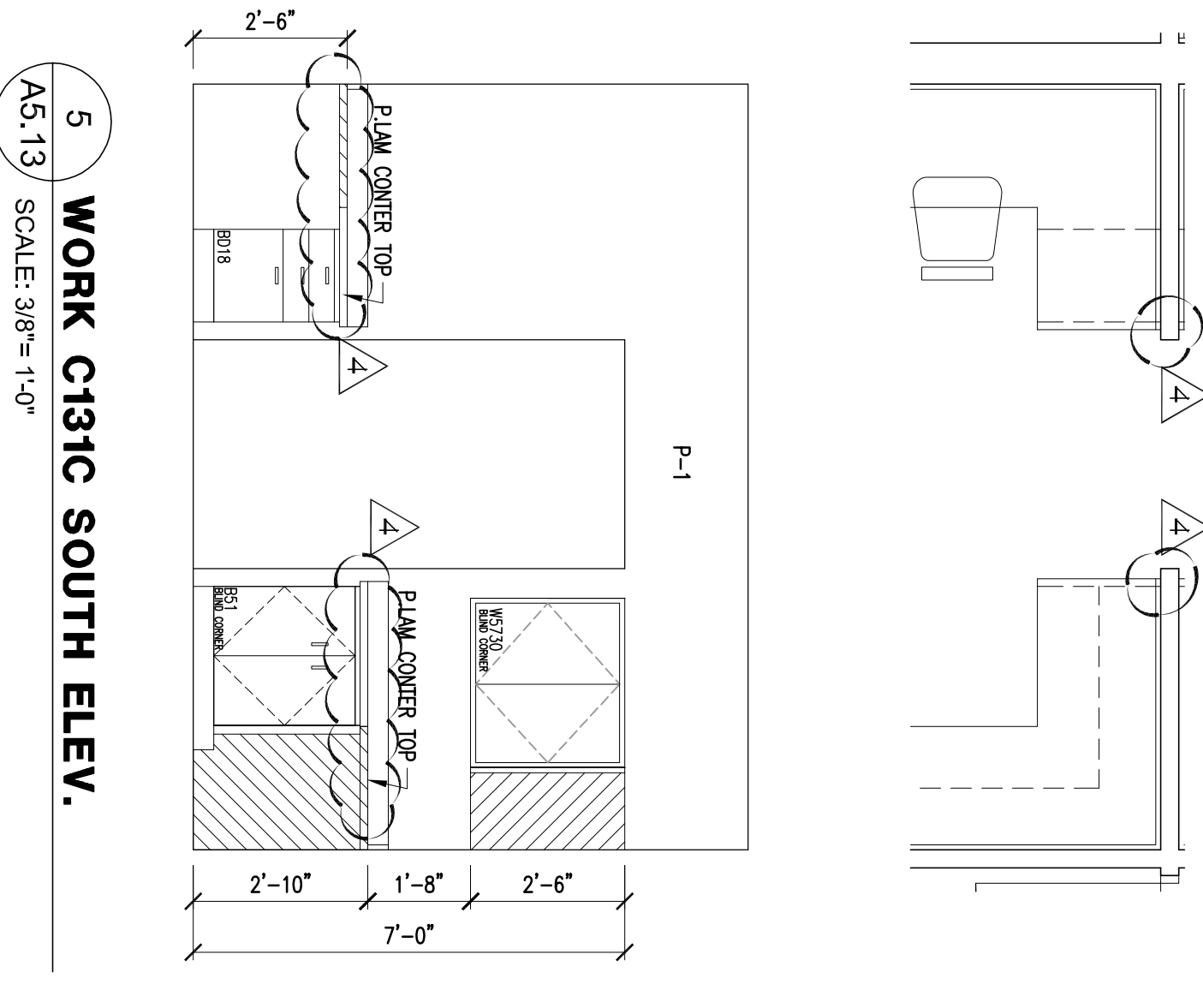
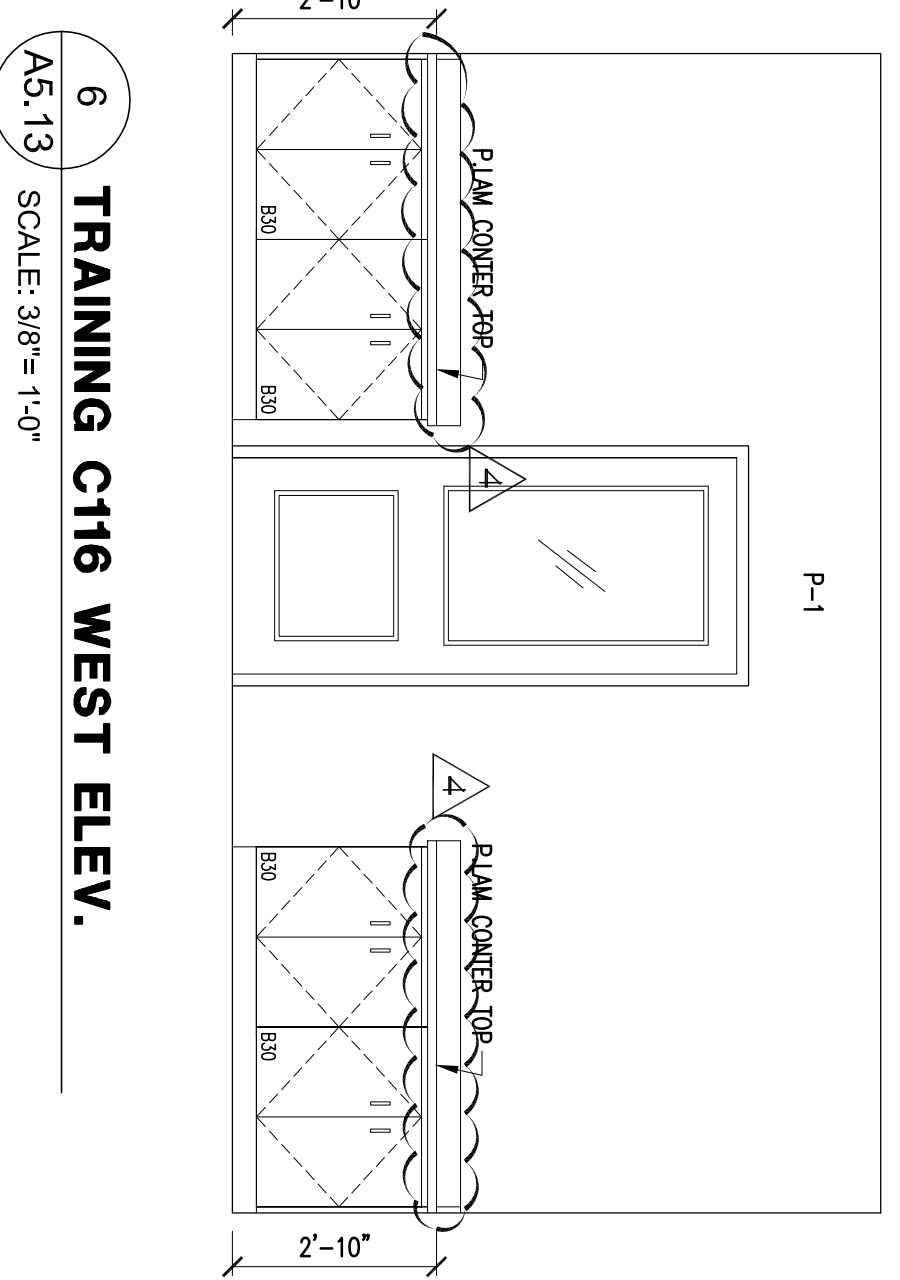
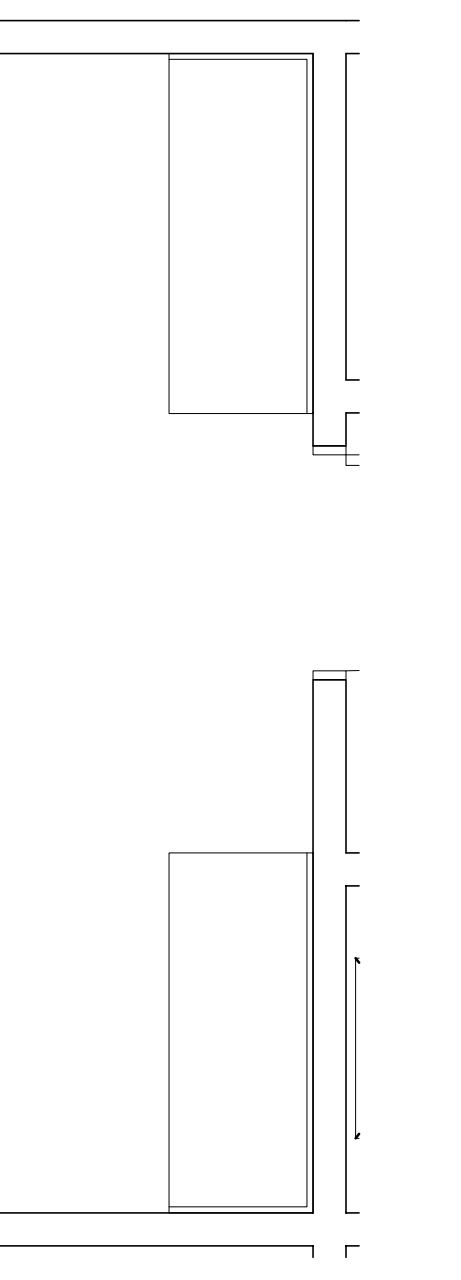
Project No: A109132.00  
File Name: A109132.00

Drawing Title  
**INTERIOR ELEVATIONS**

Sheet Number  
**A5.13**

Professional of Record: Stewart Allen  
Professional Registration No. CA 3015  
Scale: As Shown  
This drawing contains information to the best of our knowledge and belief, and is intended for the use of the client. It is not to be used for any other purpose without the written consent of HADP Architecture, Inc. and the professional seals and signatures of the architects and engineers.

- COMMON AREA FINISHES:**
- CPT-2 : C&A Explorer - 25012 Seafarer (Floors 1 & 3)
  - CPT-3 : C&A Explorer - 25013 - Kalarah (Floors 2 & 4)
- PORCELAIN TILE**
- PT-1 : Daltile Diamante Grigio P021 (Unpolished) 18" x 18"
  - PT-2 : Daltile Diamante Blu P030 (Unpolished) 18" x 18"
  - PT-3 : Daltile Diamante Blu P030 (Polished) cut to 4" x 4" Squares
- TILE (for common area Restrooms)**
- Floor : CT-1 : Daltile Diamante Blu P030 (Unpolished) 18" x 18"
  - Wall : Daltile Semi-gloss Matte- Desert Gray X114 (Semi-gloss) 4 1/4" X 4 1/4"
  - Phyborde roundest-corner Wall Tiles as base
- PAINT**
- P-2 (Door, Trim, & Wainscot): SW 0050 Classic Light Buff - Semi Gloss
  - P-5 (Ceiling Color): SW Ceiling White (Flat)
  - P-6 (Wall Color): SW 6089 Copen Blue (Floors 1 & 3)
  - P-7 (Wall Color): SW 0029 Acanthus (Floors 2 & 4)
- COUNTER TOP**
- Front desk, Kitchen & Bathroom Countertops: Granite (3 CM THK) Light Grey, Pigeon, and Gold - to be selected by owner
  - VCT (Vinyl Composite Tile)
  - VCT (Vinyl Composite Tile)
- SOLID VINYL (Common Area Laundry, Breakroom, Kitchen (C133) & Trash rooms)**
- VF-1: FLOOR-LD 3MM Thick Vinyl Wear Layer - 20 Year Warranty - 4 Year Spills Color Pattern TBD by Architect/owner (Owners option to go with Enviroquile backing with 12 mil wear layer)
- STAIN**
- In Library area: as selected by owner
- BASE**
- Vinyl Base (In MEP Area)
  - VG-1: Johnsonite 276 Mystical
  - All Other areas shall have Wood Base as shown on A800.



**3 WORK C131B NORTH ELEV.**

A5.13 SCALE: 3/8" = 1'-0" FINAL CONSTRUCTION SET, AUGUST 1, 2011

**2 WORK C131C / C131B WEST ELEV.**

A5.13 SCALE: 3/8" = 1'-0"

**1 WORK C131C / C131B EAST ELEV.**

A5.13 SCALE: 3/8" = 1'-0"

**5 WORK C131C SOUTH ELEV.**

A5.13 SCALE: 3/8" = 1'-0"

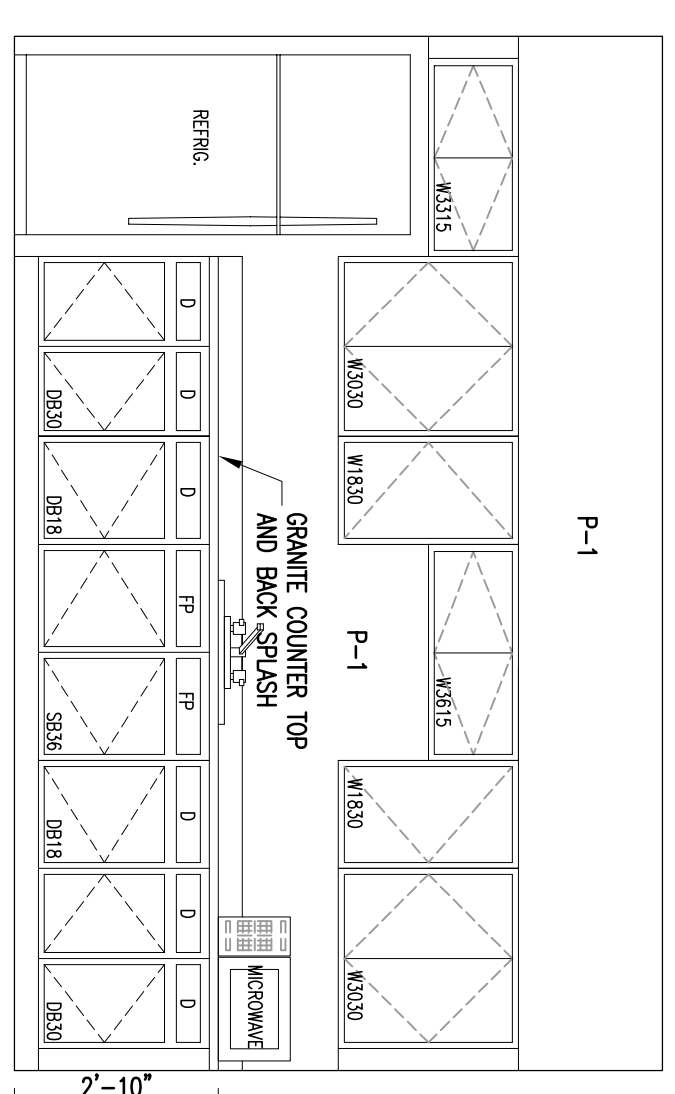
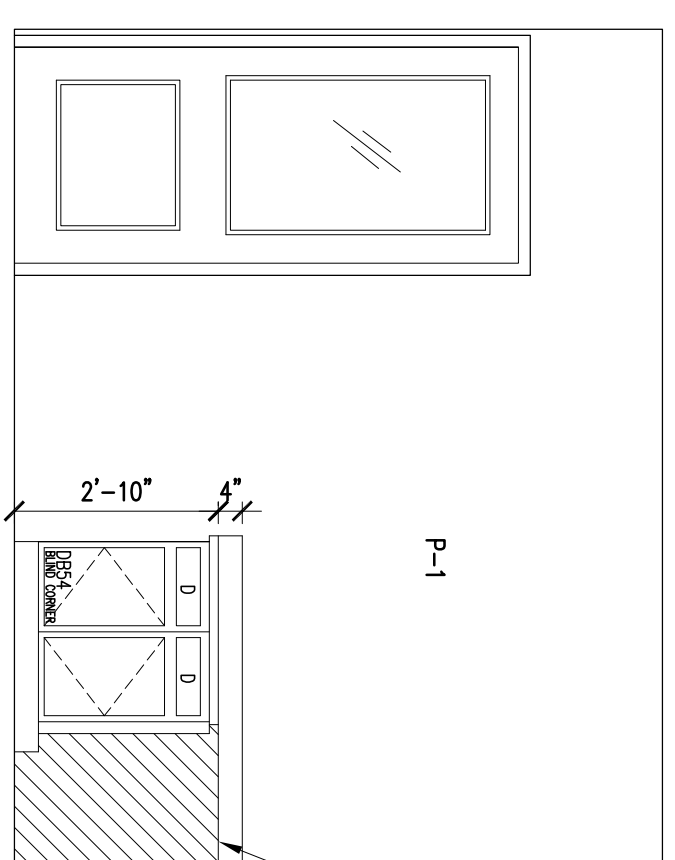
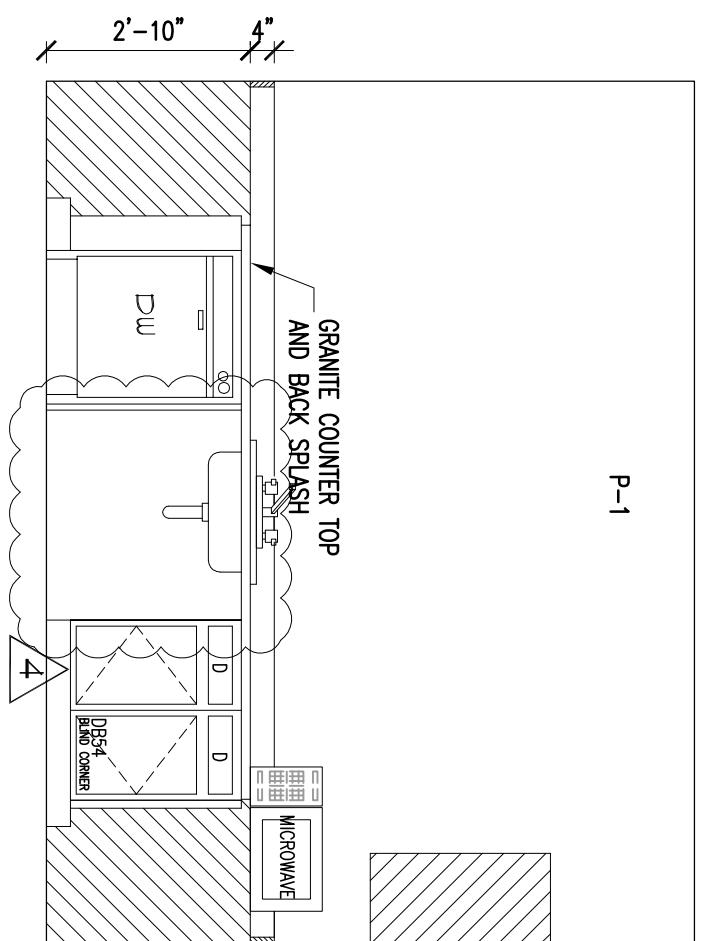
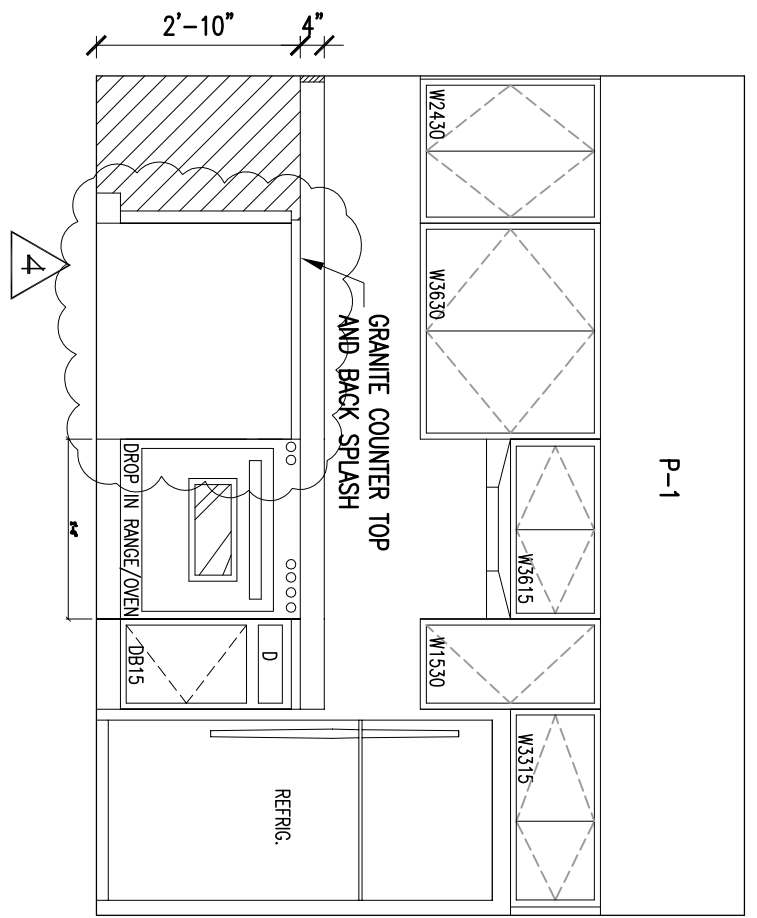
**6 TRAINING C116 WEST ELEV.**

A5.13 SCALE: 3/8" = 1'-0"

**4 WORK C131B NORTH ELEV.**

A5.13 SCALE: 3/8" = 1'-0"



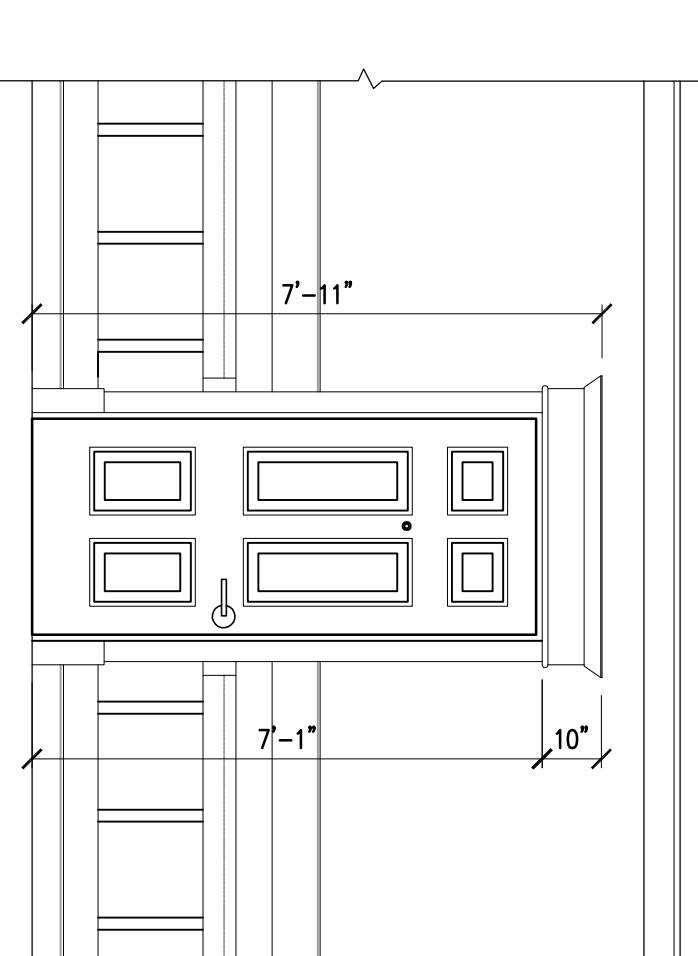
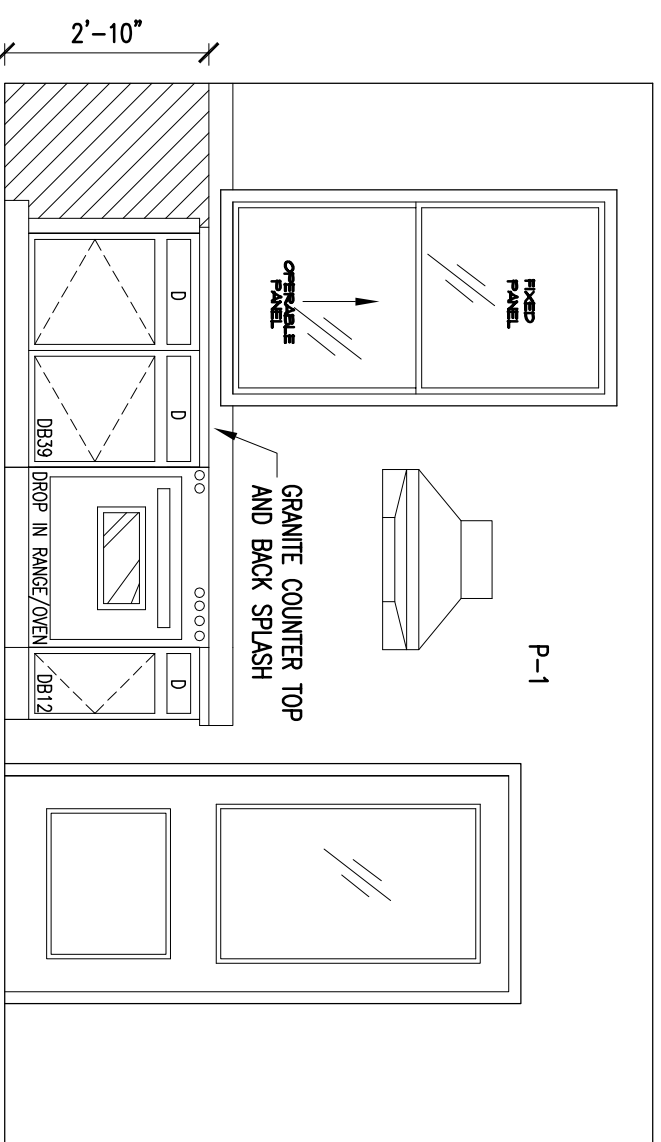
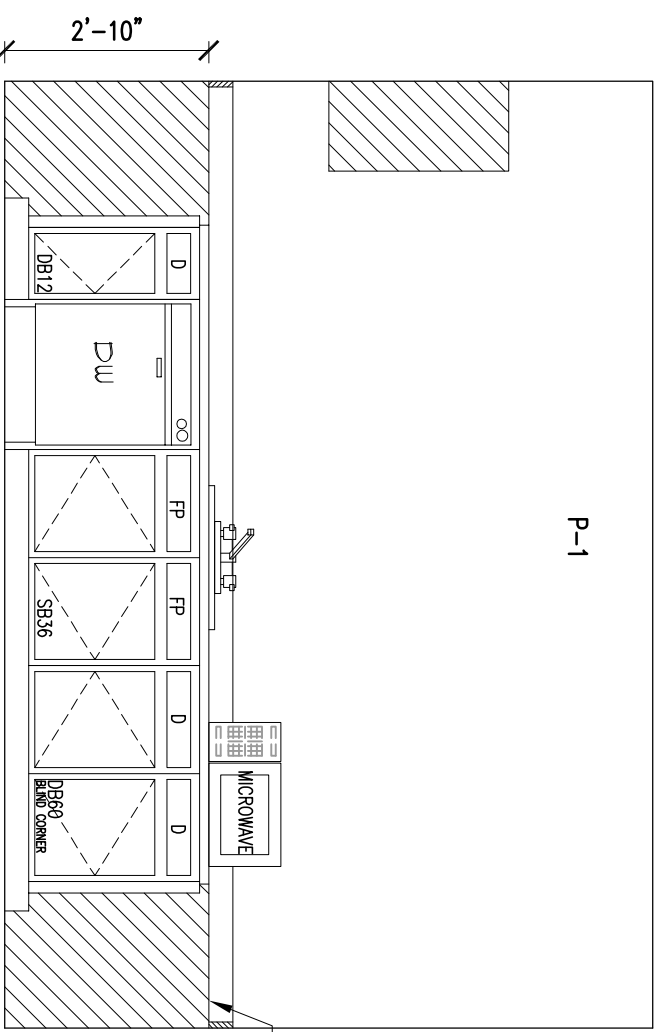
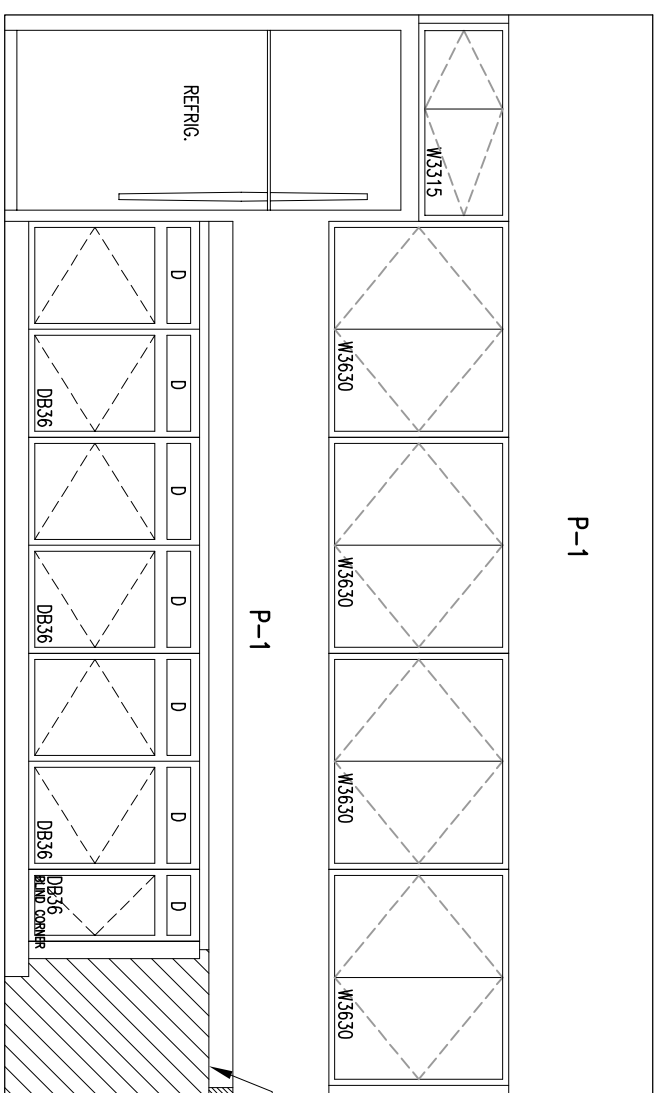


12 KITCHEN C133 NORTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

13 KITCHEN C133 WEST ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

14 KITCHEN C133 SOUTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

15 BREAK ROOM C138 EAST ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

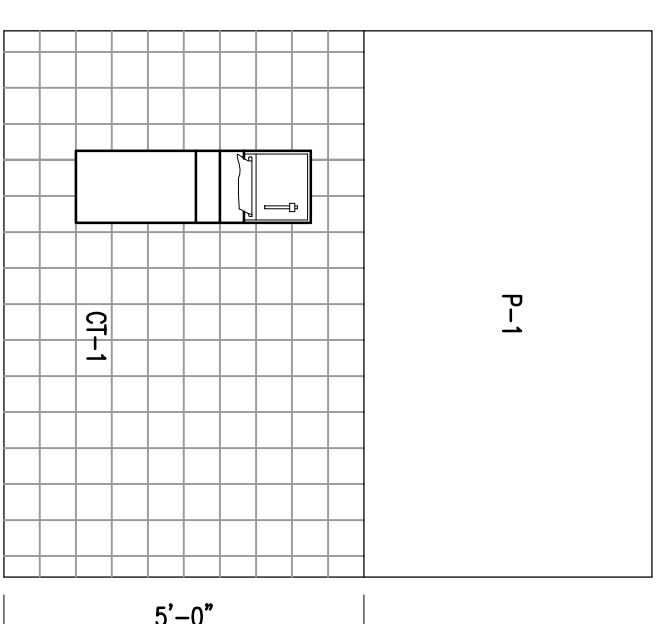
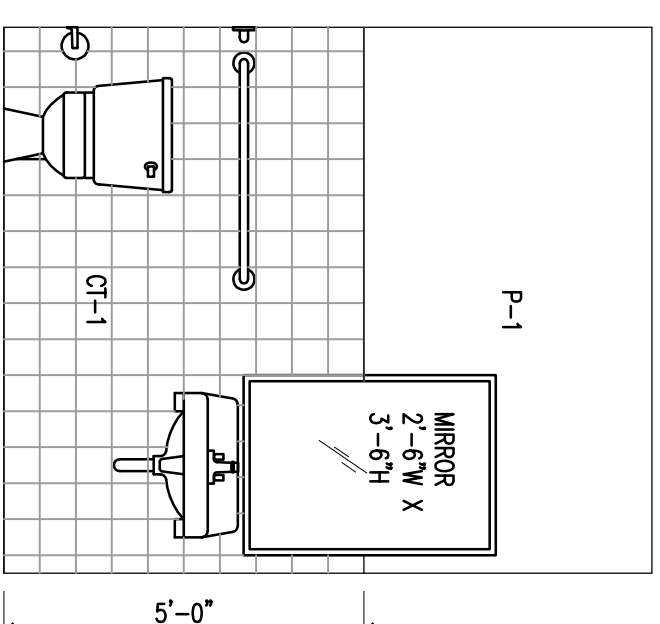
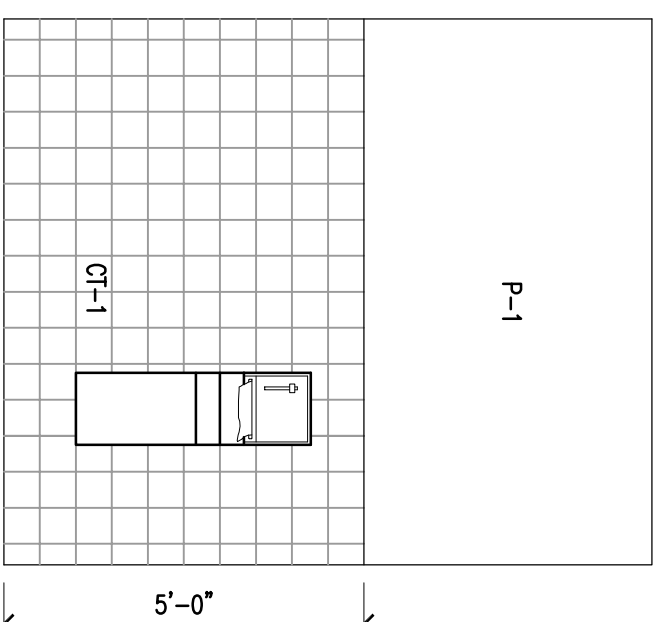
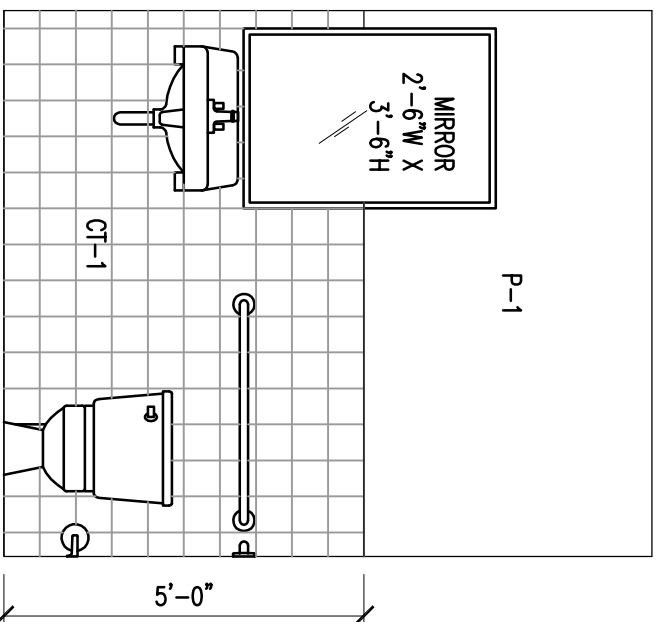


9 KITCHEN C120 SOUTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

10 KITCHEN C120 WEST ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

11 KITCHEN C120 NORTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

16 TYPICAL UNIT ENTRY AT CORRIDOR  
AS.14 SCALE: 3/8" = 1'-0"

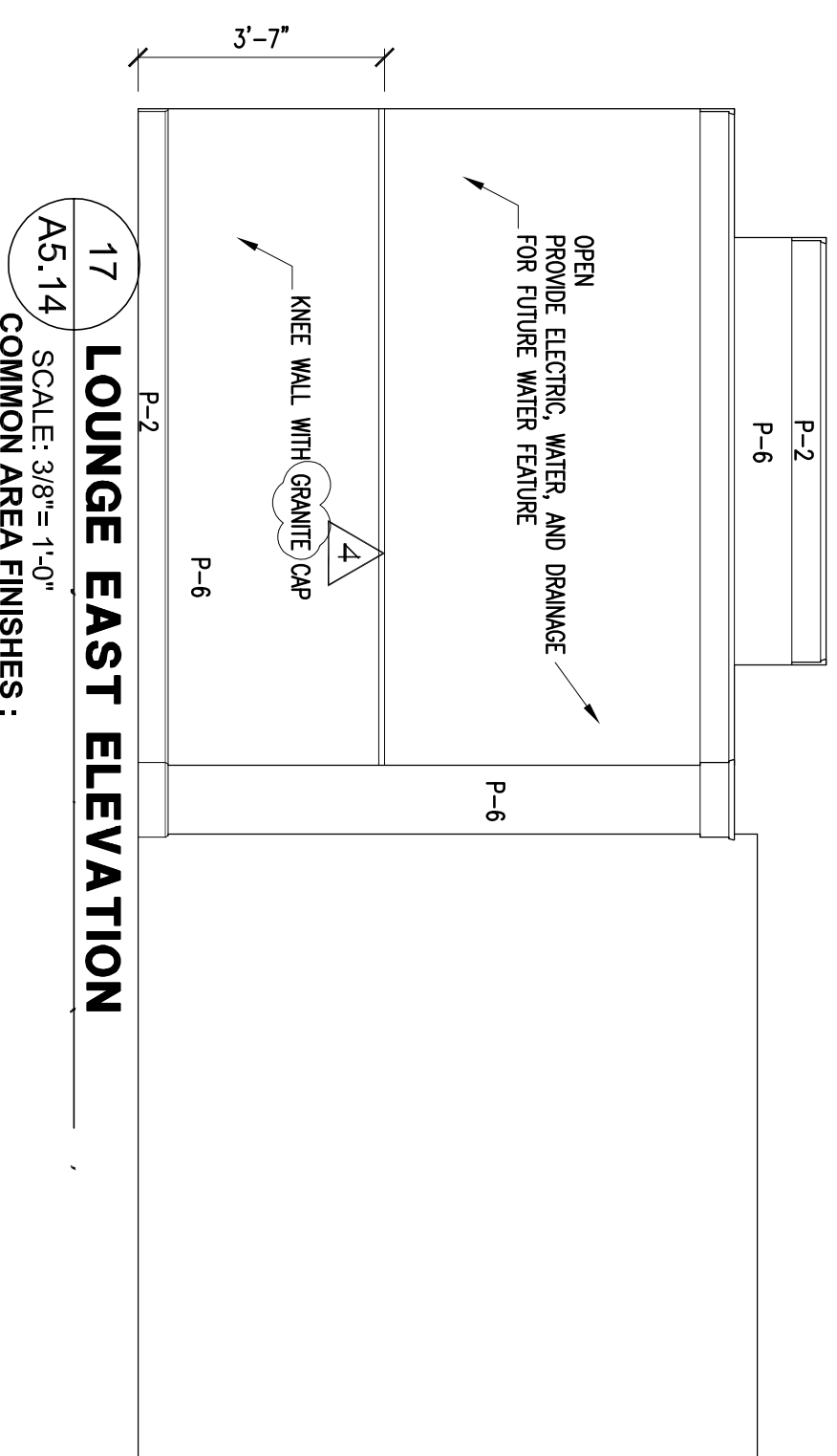


5 RESTROOM C136 NORTH ELEV.  
RESTROOM C134 SOUTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

6 RESTROOM C136 SOUTH ELEV.  
RESTROOM C134 NORTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

7 RESTROOM C137 SOUTH ELEV.  
RESTROOM C135 NORTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

8 RESTROOM C137 NORTH ELEV.  
RESTROOM C135 SOUTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"



17 LOUNGE EAST ELEVATION  
AS.14 SCALE: 3/8" = 1'-0"

1 RESTROOM C123 SOUTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

2 RESTROOM C123 WEST ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

3 RESTROOM C122 WEST ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

4 RESTROOM C122 NORTH ELEV.  
AS.14 SCALE: 3/8" = 1'-0"

**PAINT**  
 P-2 Door, Trim, & Maincoff: SW 0050 Classic Light Buff - Semi Gloss  
 P-5 Ceiling Color: SW Ceiling White (Flat)  
 P-6 Wall Color: SW 6068 Open Blue (Floors 1 & 3)  
 P-7 Wall Color: SW 0029 Acanthus (Floors 2 & 4)

**COUNTER TOP**  
 Front desk, Kitchen & Bathroom Countertops: Granite (3 CM THK)  
 Work Area: Polished, Cook, Prep, and Beverage

**VCT (Vinyl Composite Tile)**  
 VCT-1: Daltile Diamente Blu P030 (Unpolished) 18" x 18"

**TILE (for common area Restrooms)**  
 Floor: VCT-1: Daltile Diamente Blu P030 (Unpolished) 18" x 18"  
 Wall: Daltile Semi-Gloss Matte- Desert Gray X114 (Semi-gloss) 4 1/4" X 4 1/4"  
 Porcelain countertop - wall tile vase

**STAIN**  
 In Library area: as selected by owner

**BASE**  
 Vinyl Base (in MEP Area)  
 VB-1: Johnsonite 276 Mystical

All Other area shall have Wood Base as shown on A800

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
 OLIVER HOUSE  
 Commerce Drive  
 Decatur, Georgia

**HADP**  
 ARCHITECTURE, INC.

2722 PIEDMONT ROAD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4488 | F: 404.233.7356 | LIC. NO. AA 0002442  
 E: info@hadp.com | www.hadp-architect.com

**Chief Engineer**  
 KIMLEY HORN AND ASSOCIATES, INC.  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Atlanta, GA 30308 Phone: 404-501-6122  
 Contact: MARK KILBY

**Structural Engineer**  
 STRUCTURAL CONSULTING GROUP  
 6250 SHILTON ROAD SUITE 330  
 LITTLE ROCK, AR 72209  
 Phone: 501-791-3300  
 Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
 JORDAN & SKALA  
 4275 Shakerford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0282  
 Contact: VERN SMITH

**STATE OF GEORGIA**  
 REGISTERED PROFESSIONAL ENGINEER  
 JOHN FLANNIGAN  
 No. 27158

**KEY PLAN**

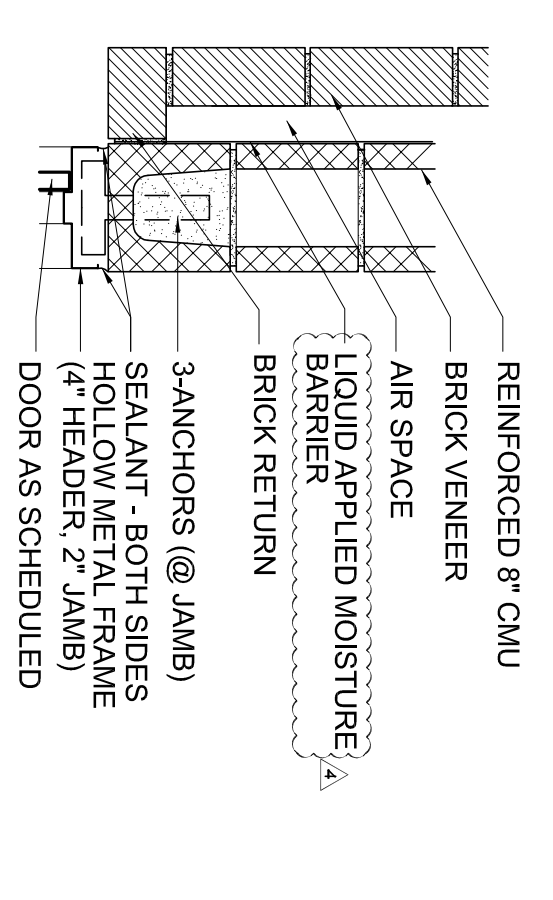
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2	2	Adopted#2	2/21/11
3	3	Q3 Review Comments	4/11/11
4	4	Adopted#4 & Coordination	4/15/11

Project No: A409132.00  
 File Name: A5.14  
 Scale: August 1, 2011

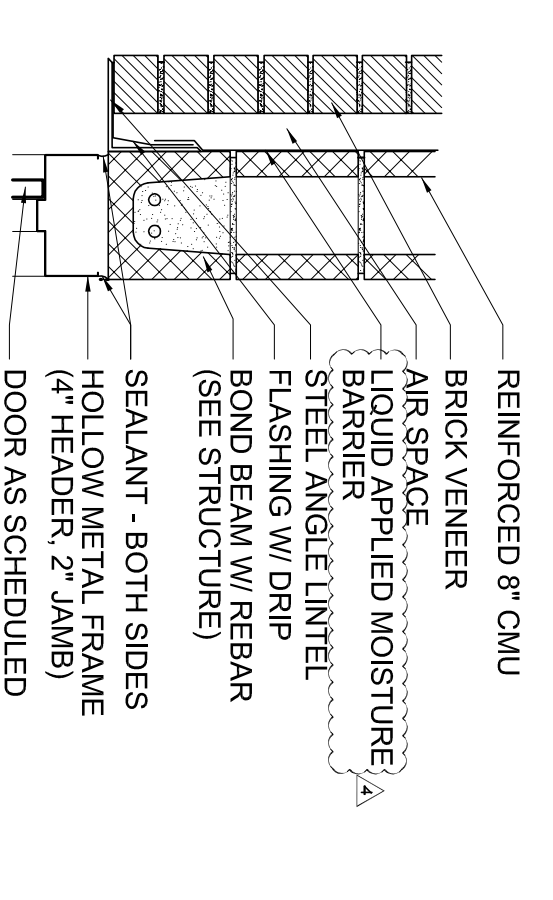
**INTERIOR ELEVATIONS**  
**A5.14**

Professional of Record: Stewart Allen  
 Professional Registration No. CA 30151  
 Seal: [Seal]

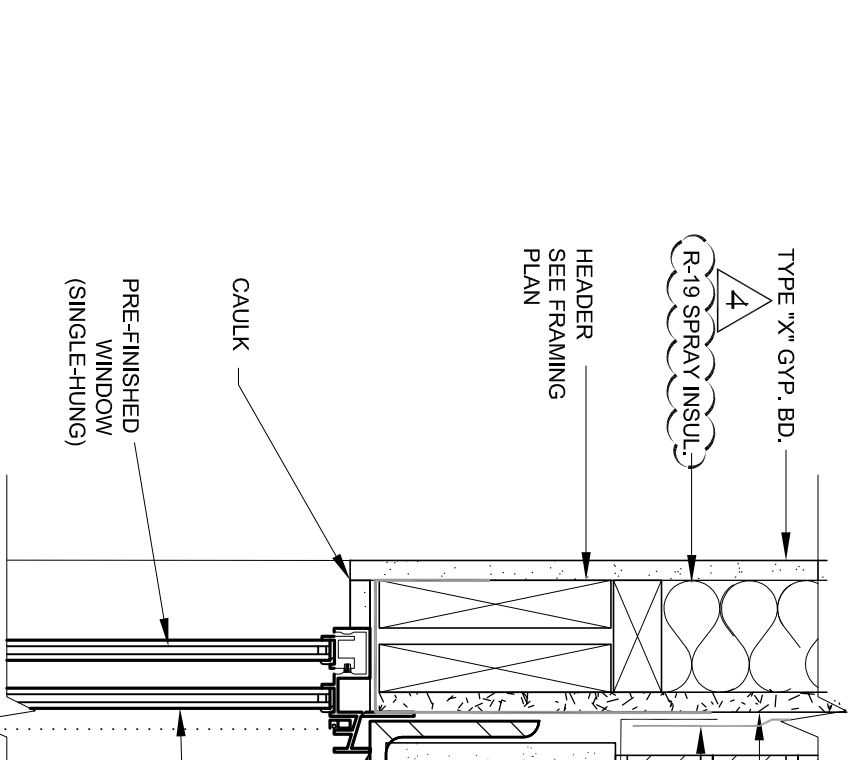
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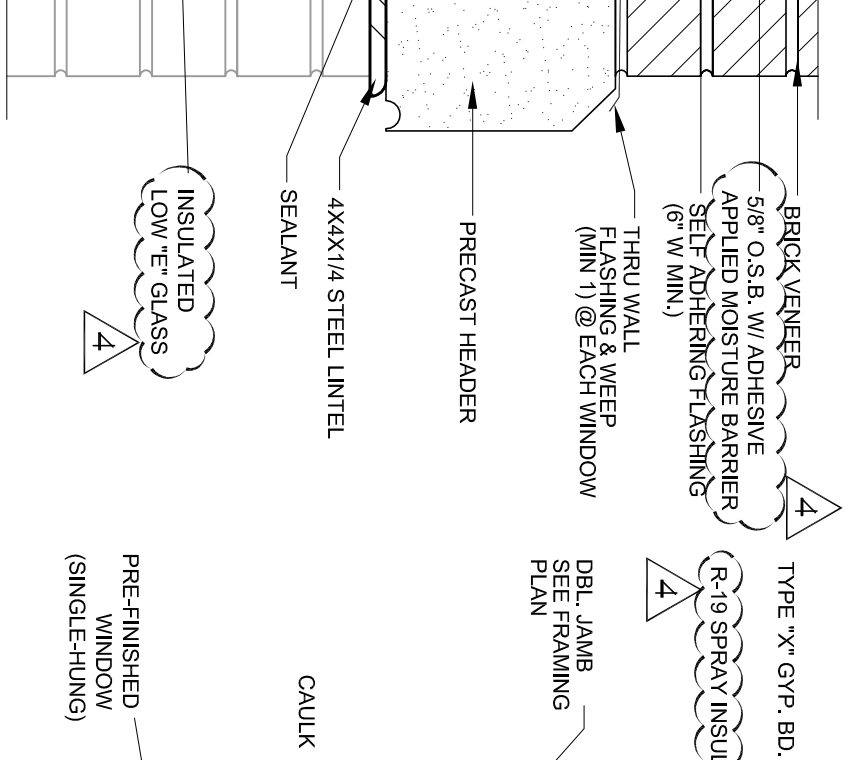
7A JAMB DETAIL FOR EXTERIOR DOOR  
SCALE: 1" = 1'-0"



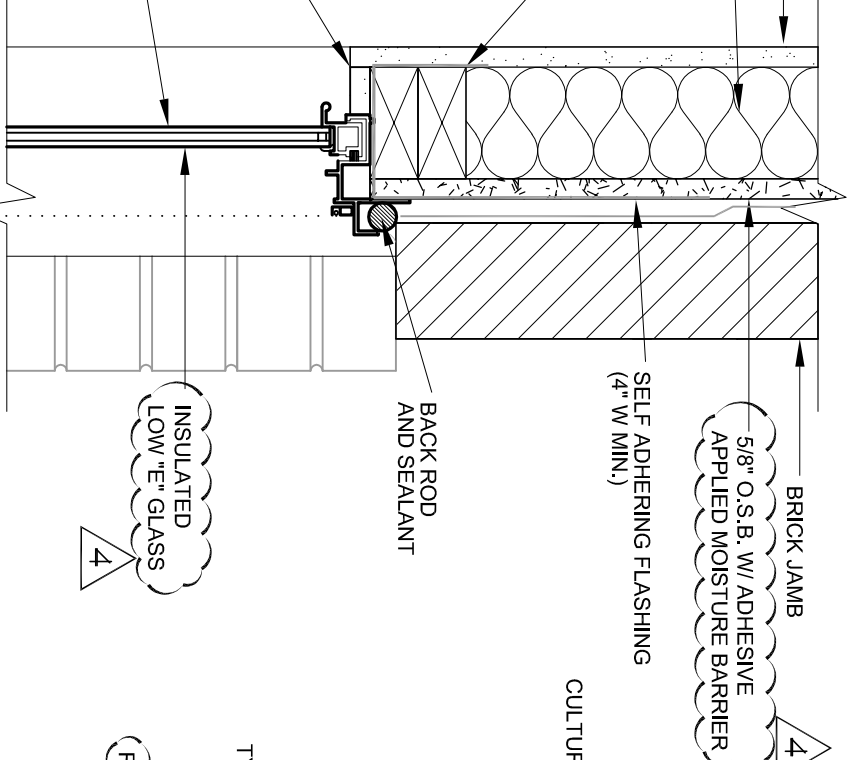
7B HEAD DETAIL FOR EXTERIOR DOOR  
SCALE: 1" = 1'-0"



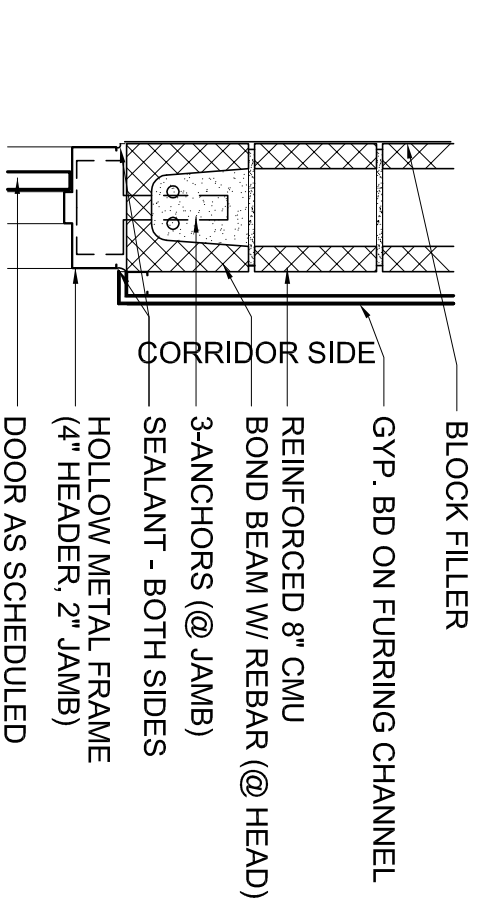
1 HEAD DETAIL AT BRICK  
SCALE: 3" = 1'-0"



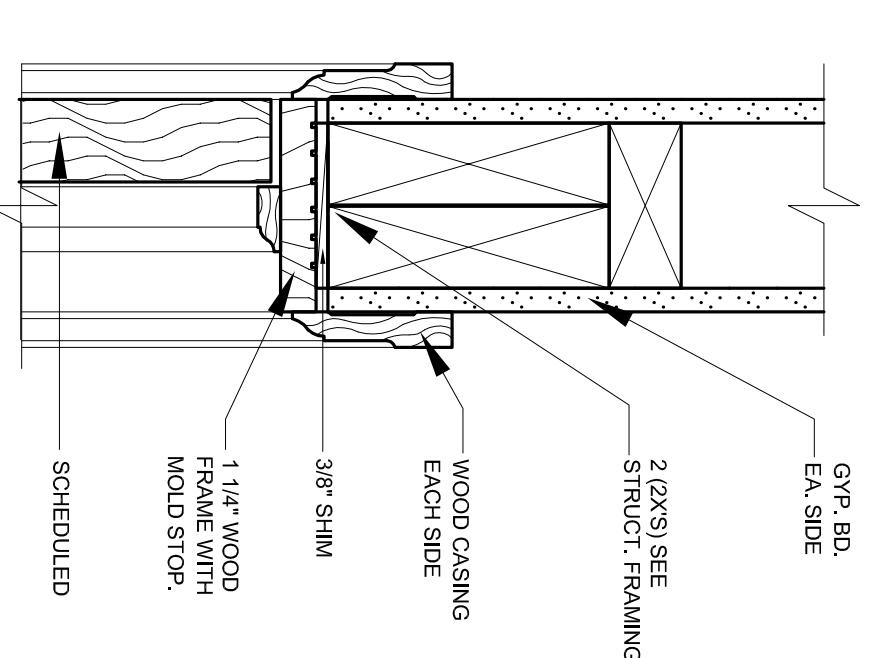
2 JAMB DETAIL AT BRICK  
SCALE: 3" = 1'-0"



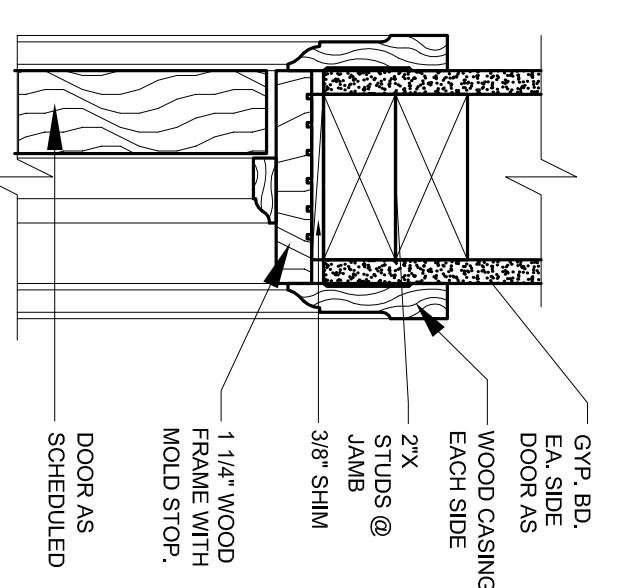
3 SILL AT BRICK  
SCALE: 3" = 1'-0"



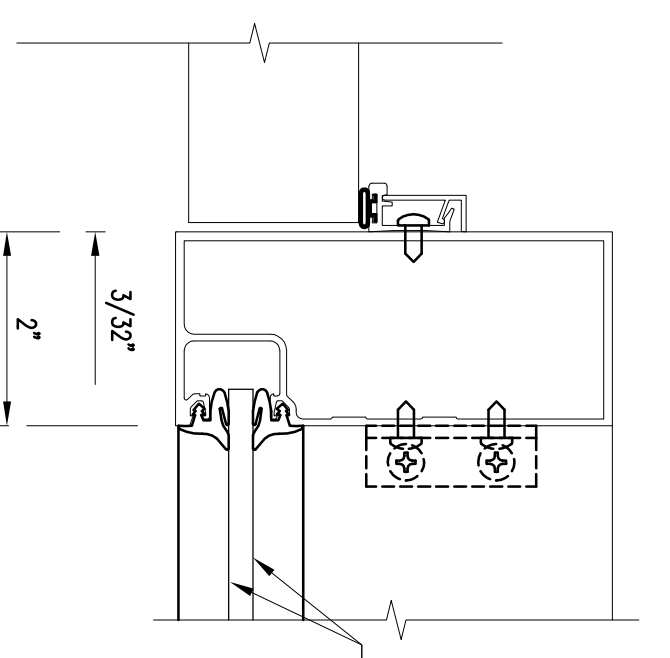
7C AT STAIR ENTRY HEAD/JAMB DETAIL  
SCALE: 1" = 1'-0"



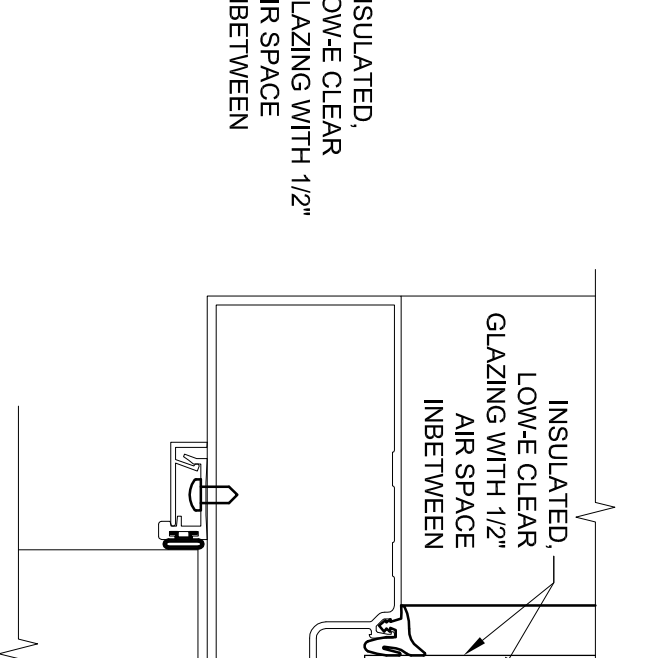
4 HEAD DETAIL  
SCALE: 3" = 1'-0"



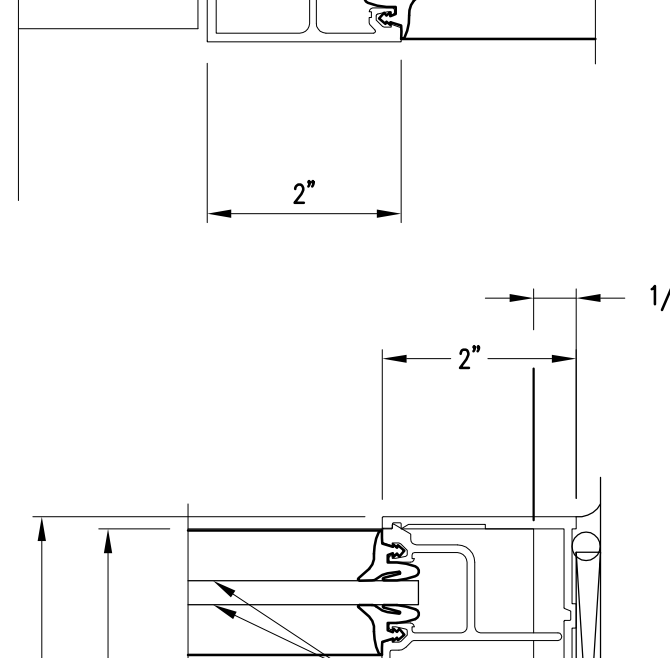
5 JAMB DETAIL  
SCALE: 3" = 1'-0"



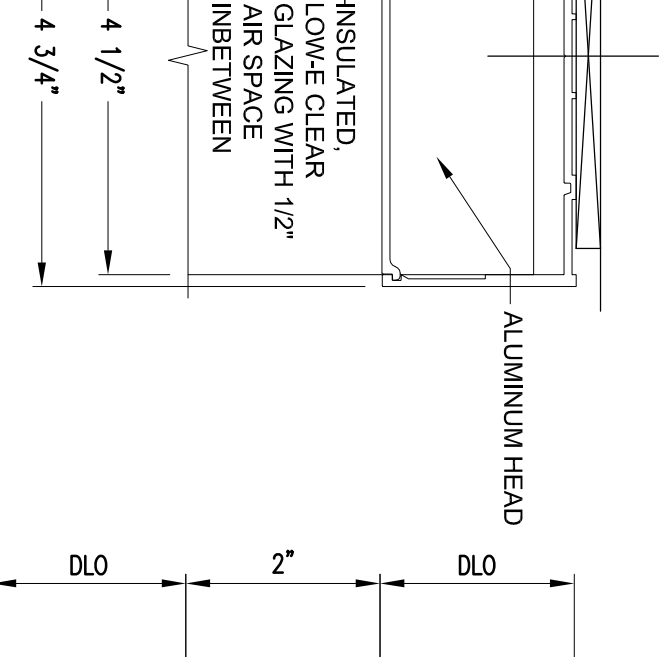
9 DOOR JAM STORE FRONT  
SCALE: 3" = 1'-0"



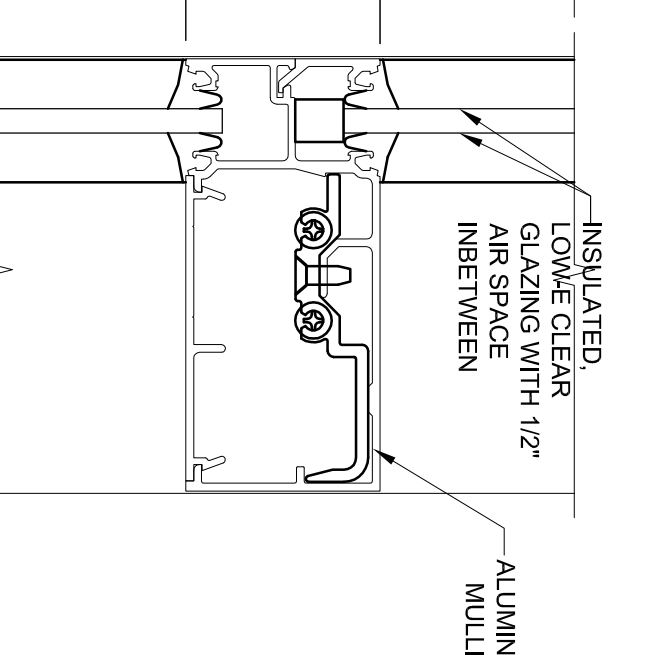
10 DOOR HEAD STORE FRONT  
SCALE: 3" = 1'-0"



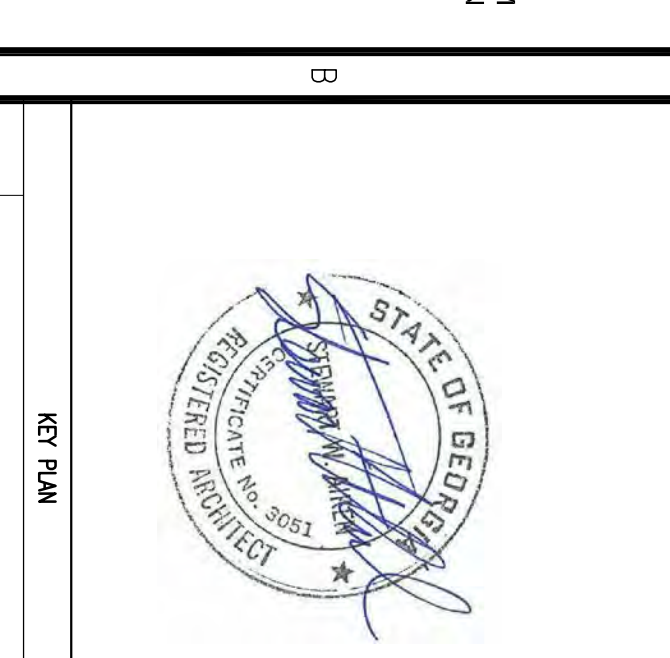
11 HEAD DETAIL STORE FRONT  
SCALE: 3" = 1'-0"



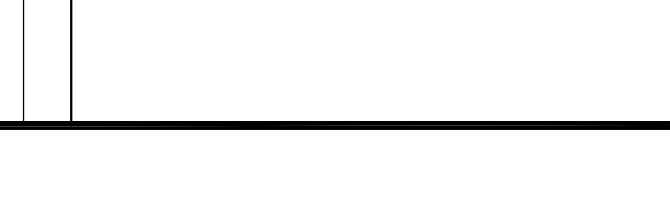
12 HORIZ. DETAIL STORE FRONT  
SCALE: 3" = 1'-0"



13 SILL DETAIL STORE FRONT  
SCALE: 3" = 1'-0"

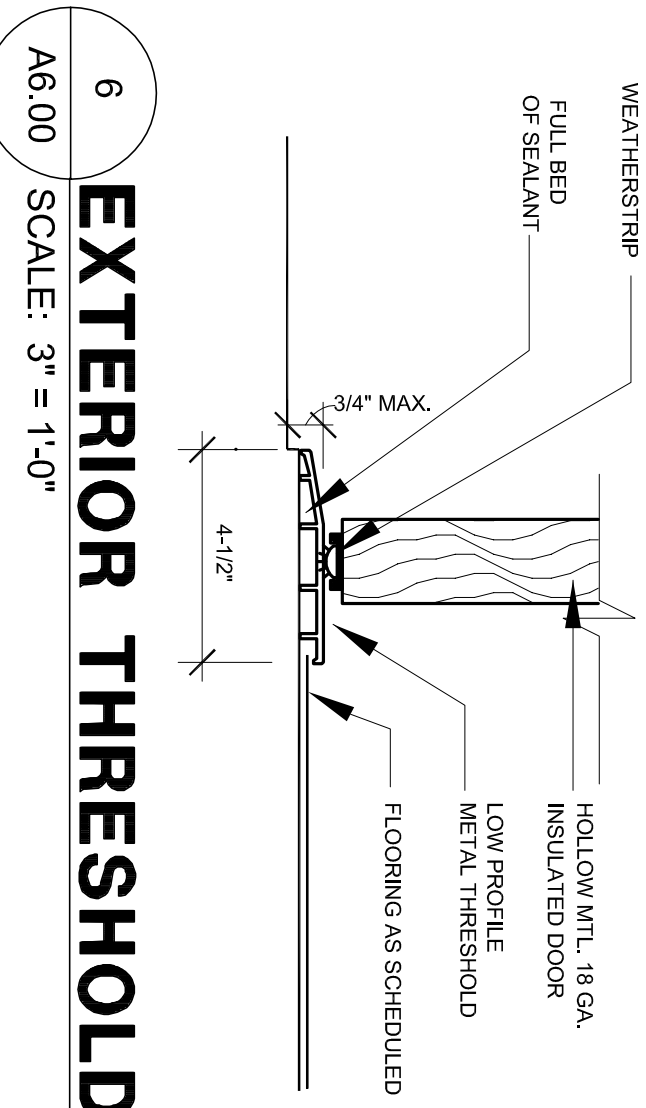


14 JAMB DETAIL STORE FRONT  
SCALE: 3" = 1'-0"

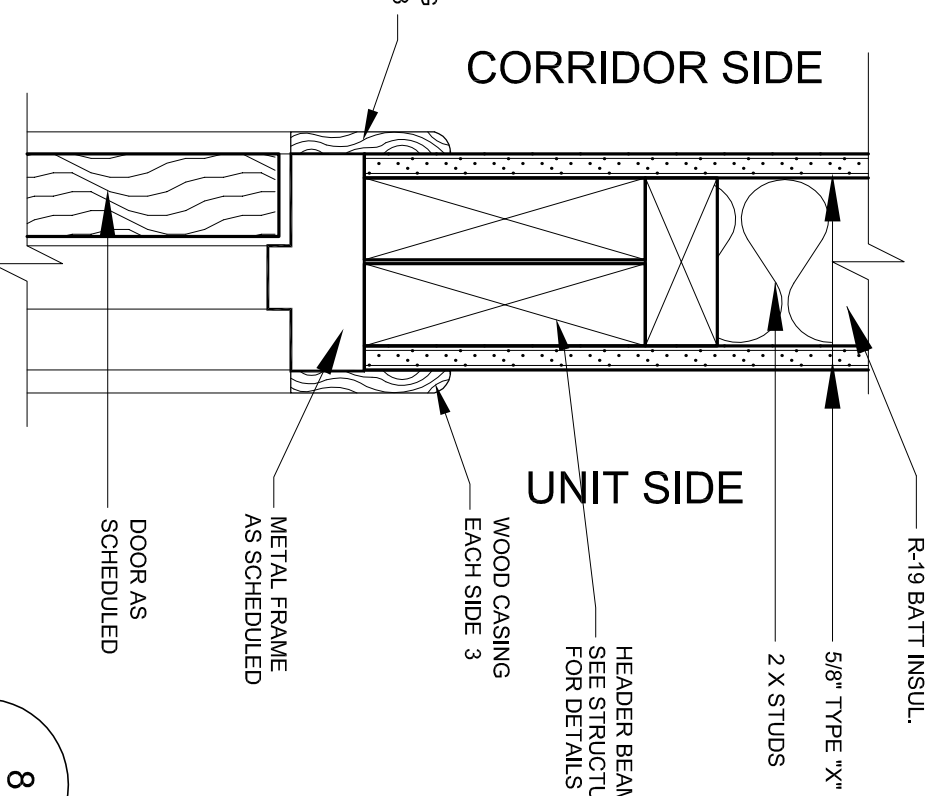


15 VERTICAL MULLION DETAIL STORE FRONT  
SCALE: 3" = 1'-0"

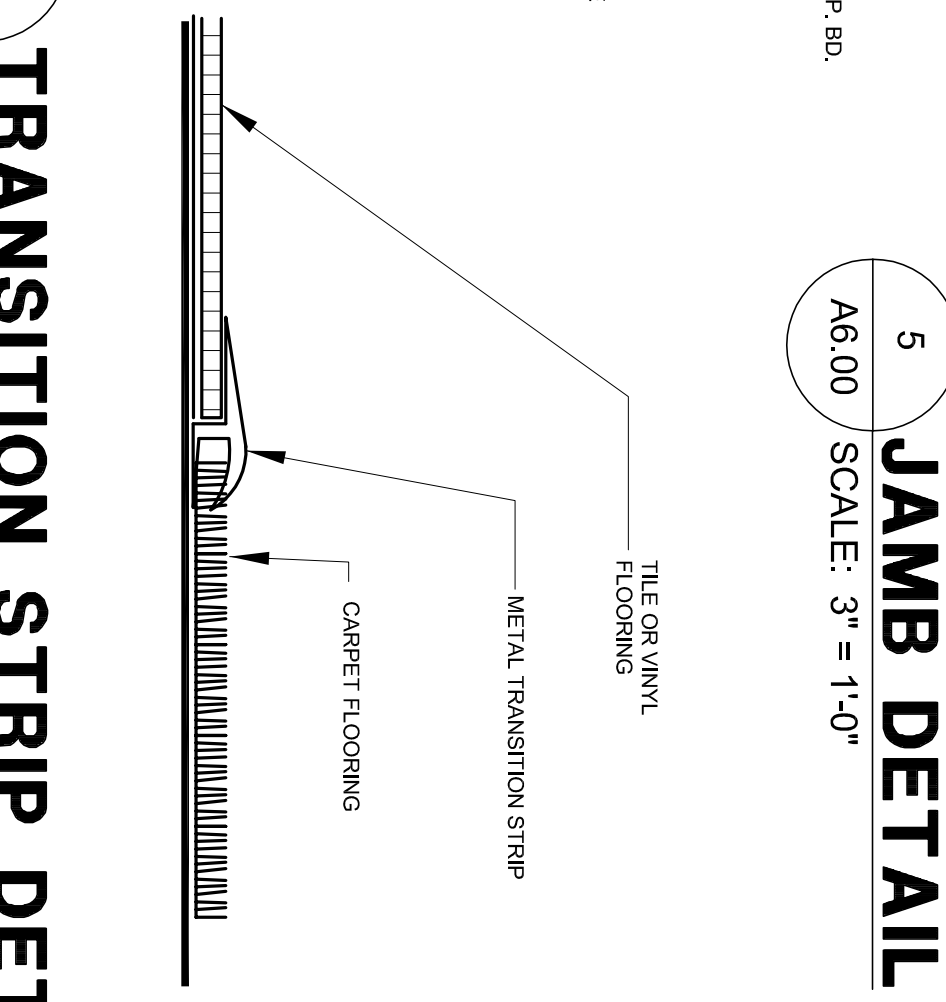
GENERAL NOTES:  
WOOD CASING ON CORRIDOR SIDE OF UNIT ENTRY DOORS SHALL BE AS SHOWN DETAIL 10A/5.14. WOOD CASING ON CORRIDOR SIDE OF OTHER COMMON AREA DOORS SHALL BE AS SHOWN DETAIL 10A/5.11.



6 EXTERIOR THRESHOLD DETAIL  
SCALE: 3" = 1'-0"



7 HEAD DETAIL FOR CORRIDOR DOORS  
SCALE: 3" = 1'-0"



8 TRANSITION STRIP DETAIL  
SCALE: 3" = 1'-0"

**ALLEN WILSON III, P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

**HADP ARCHITECTURE, INC.**  
2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.233.4488 | F: 404.233.7356 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

**ENGINEER**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD SUITE 330  
LITTLE ROCK, AR 72114  
Phone: 501-221-3000  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
JORDAN & SKALA  
4275 Shadedwood Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-448-2922  
Contact: VERN SMITH

STATE OF GEORGIA  
REGISTERED PROFESSIONAL ARCHITECT  
1908

KEY PLAN

Revision	Description	Date
1	As Noted	2/10/11
2	As Noted	2/21/11
3	As Noted	4/11/11
4	As Noted	4/15/11

Project No: AH09132.00  
File Name: A6.00  
Scale: August 1, 2011

Drawing Title: **DOOR & WINDOW DETAILS**

Sheet Number: **A6.00**

Professional of Record: Stewart Allen  
Professional Registration No: CA 3015

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### ROOM FINISH SCHEDULE

ROOM	FLOOR	BASE	WALLS	CEILING	REMARKS
ENTRY	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	
LIVING	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	
KITCHEN	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	
PANTRY	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	
YVAC	CONC.	WOOD	GYP/BO PAINT	GYP/BO PAINT	
HALL	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	
LINEN	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	
BATH	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	
BEDROOM	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	
CLOSET	1st-1st	WOOD	GYP/BO PAINT	GYP/BO PAINT	

NOTE: 1. REFER UNLESS OTHERWISE NOTED TO FINISH SCHEDULE. 2. REFER TO ARCHITECT FOR DETAILS. 3. REFER TO ARCHITECT FOR MATERIALS. 4. REFER TO ARCHITECT FOR FINISHES. 5. REFER TO ARCHITECT FOR COORDINATION. 6. REFER TO ARCHITECT FOR COORDINATION. 7. REFER TO ARCHITECT FOR COORDINATION. 8. REFER TO ARCHITECT FOR COORDINATION. 9. REFER TO ARCHITECT FOR COORDINATION. 10. REFER TO ARCHITECT FOR COORDINATION.

### INTERIOR FINISH LEGEND

- RESIDENTIAL AREA FINISHES
  - (SOLID VINYL) "Residential" (Standard) 788 Mixed with pad
  - (SOLID VINYL) "Residential" (Standard) 788 Mixed with pad
  - (SOLID VINYL) "Residential" (Standard) 788 Mixed with pad
- COMMERCIAL AREA FINISHES
  - (SOLID VINYL) "Commercial" (Standard) 788 Mixed with pad
  - (SOLID VINYL) "Commercial" (Standard) 788 Mixed with pad
  - (SOLID VINYL) "Commercial" (Standard) 788 Mixed with pad

ALLEN WILSON III, P.  
750 Commerce Drive  
Dacula, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Dacula, Georgia

**OLIVER HOUSE**  
Declair, Georgia

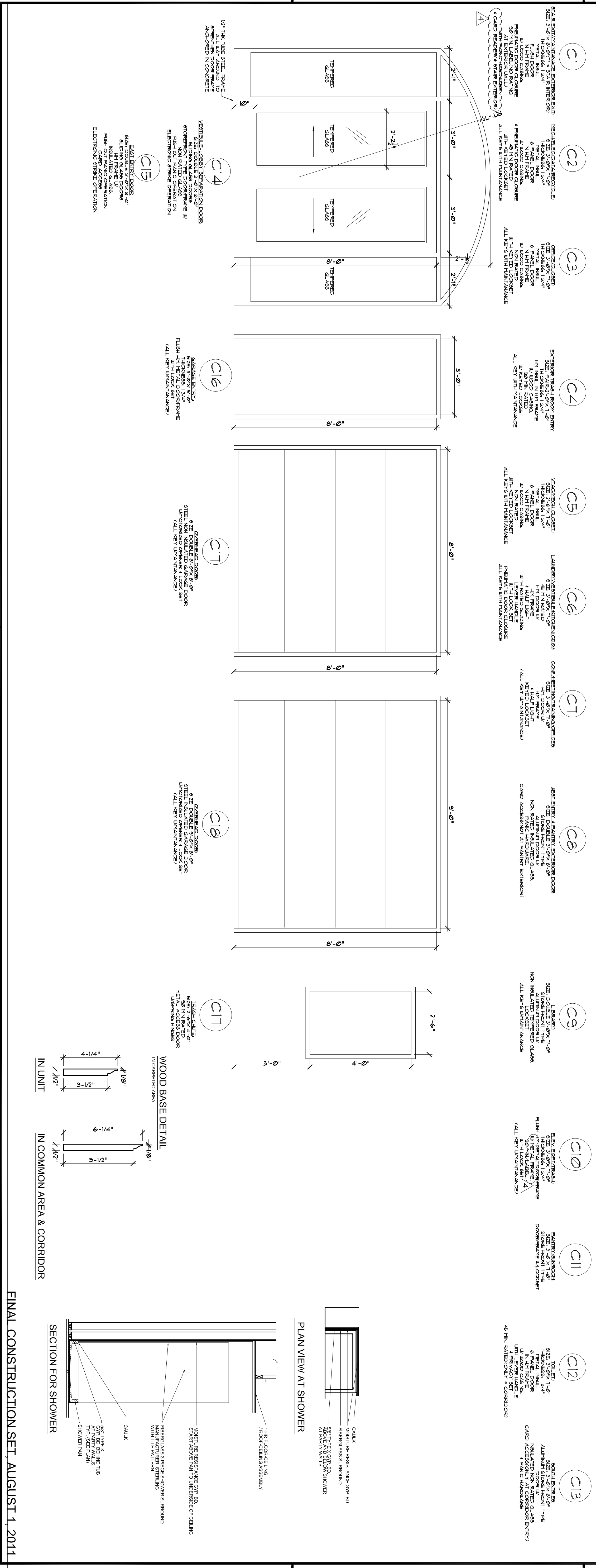
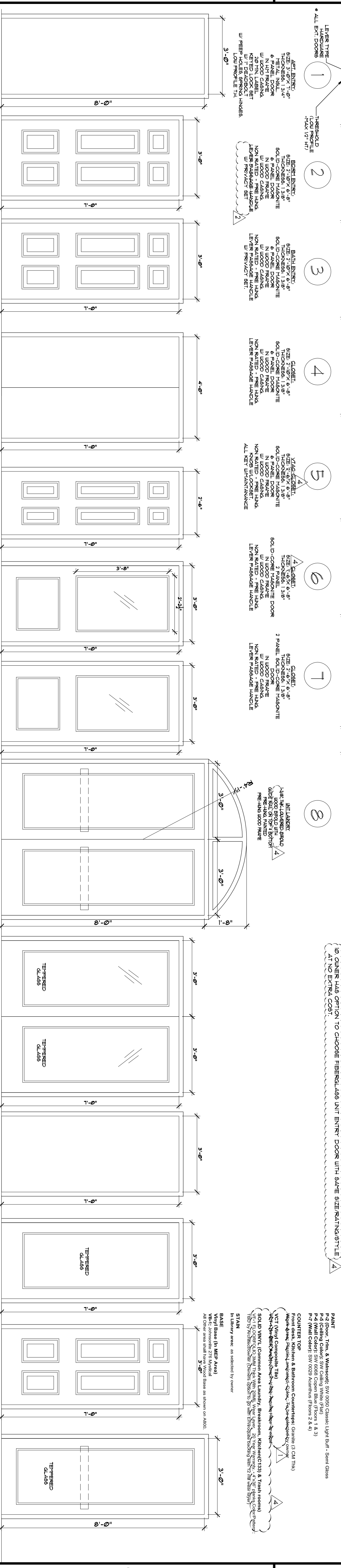
**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE ATLANTA, GEORGIA 30305  
T: 770.253.4488 F: 770.253.7881 L: C/O. NO. AA.002642  
E: info@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6520 SHILOH RD SUIT 330  
LUTHERSVILLE, GA 30050  
Phone: 770-947-5400  
Contact: JOHN FLANNIGAN

**Beckford Woodruff Framing & The Production Engineer**  
**JORDAN & SHALA**  
4275 Shepherd Road, Suite 200  
Norcross, GA 30092  
770-447-5547 Fax: 770-448-0292  
Contact: VERN SMITH



Revision	Description	Date
1	As Advertised	2/10/11
2	As Advertised	2/21/11
3	As Advertised	4/11/11
4	As Advertised	4/15/11

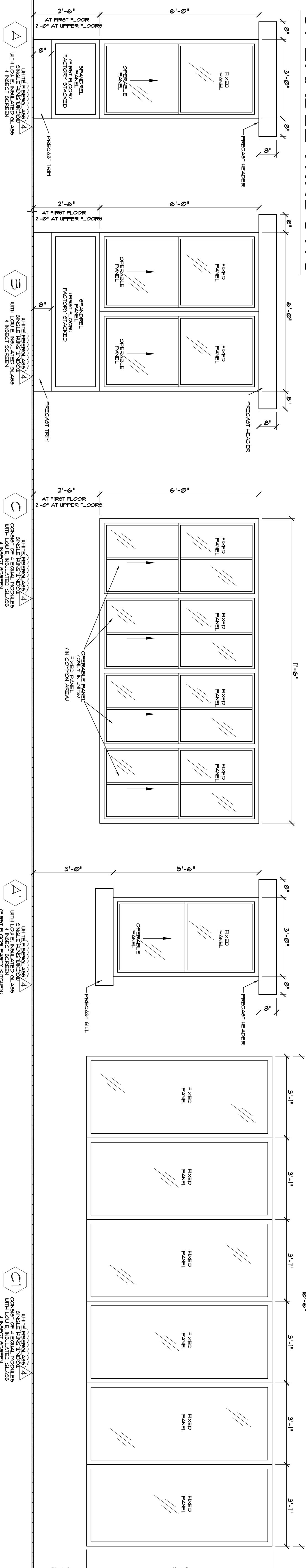
**DOOR & FINISH SCHEDULE**

**A8.00**

Scale: August 1, 2011

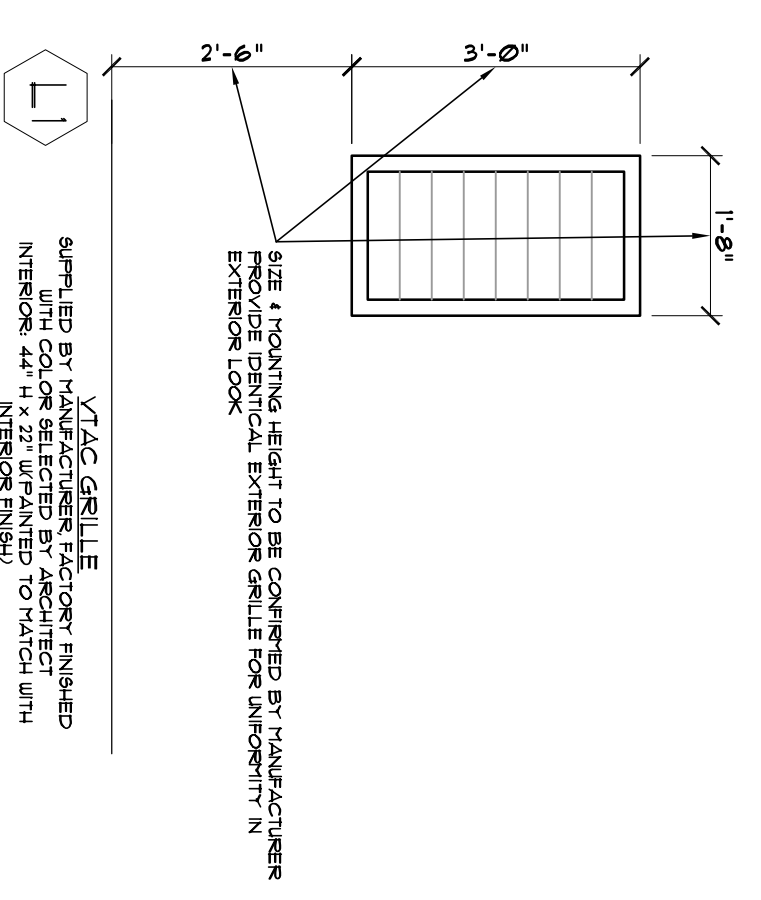
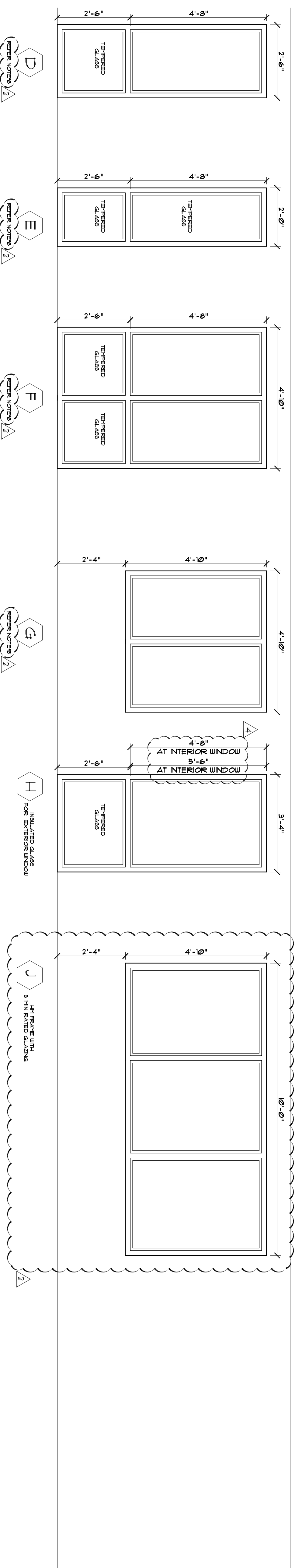
Professional of Record: Stewart Allen  
Professional Registration No. CA 3015

# OPERABLE WINDOWS



# COMMON AREA STOREFRONT & FIXED WINDOW

ALL EXTERIOR STOREFRONT FINISH AS APPROVED BY ARCHITECT



REQUIRED BY MANUFACTURER. CONFIRMED BY MANUFACTURER. INTERIOR 4" x 2" SPACERS TO MATCH WITH EXTERIOR 4.5" x 1.5" x 2.5" x 1" U-CHANNELS. EXACT SIZE FOR WINDOW.

- NOTES**
1. ALL EXTERIOR WINDOW/DOOR GLAZING SHALL BE LOW-E & INSULATED.
  2. ALL EXTERIOR WINDOW SHALL BE WITH WHITE FACTORY FINISH.
  3. ANY GLAZING IN 90 MIN RATED DOOR SHALL HAVE 90 MIN RATED GLASS. USE 45 MIN RATED GLASS IN ALL 45 MIN RATED WINDOW DOORS NOT ACCEPTABLE.
  4. ALL OPERABLE WINDOWS SHALL HAVE STOPPER WITH TAMPER PROOF SCREWS AT 4" HEIGHT TO RESTRICT OPENING.
  5. ALL OPERABLE WINDOWS SHALL HAVE HORIZONTAL BLINDS, SELECTED BY OWNER/ARCHITECT.
  6. ALL INTERIOR WINDOWS SHALL BE WITH HM FRAME (HOLLOW METAL) BETWEEN LOBBY/LOBBY & PARTY ROOMS/19 AS WELL AS AT MAJORITY. C222 SHALL BE WITH 1 HR RATING AT END OF CORRIDOR. SHALL BE WITH TAMPER PROOF SCREW TO BE ONLY OPERABLE BY MAINTENANCE STAFF.
  7. ANY STORE FRONT GLASS WITHIN 2' OF DOORS & WITHIN 18" FROM RISERS/FLOOR SHALL BE REPEATED.
  8. ALL INTERIOR WINDOWS SHALL BE WITH HM FRAME (HOLLOW METAL) BETWEEN LOBBY/LOBBY & PARTY ROOMS/19 AS WELL AS AT MAJORITY. C222 SHALL BE WITH 1 HR RATING AT END OF CORRIDOR. SHALL BE WITH TAMPER PROOF SCREW TO BE ONLY OPERABLE BY MAINTENANCE STAFF.

FINAL CONSTRUCTION SET, AUGUST 1, 2011

ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE, ATLANTA, GEORGIA 30305  
T: 404.253.4488 F: 404.253.7385 LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD SUITE 330  
LUTHERVILLE, GA 30059  
Phone: 770-944-5000  
Contact: JOHN FLANNIGAN

**JORDAN & SKALA**  
4275 Stevedore Road, Suite 200  
Norcross, GA 30092  
770-441-5547 Fax: 770-448-2922  
Contact: VERN SMITH

STATE OF GEORGIA  
REGISTERED ARCHITECT  
J. JOHN FLANNIGAN  
No. 12085

KEY PLAN

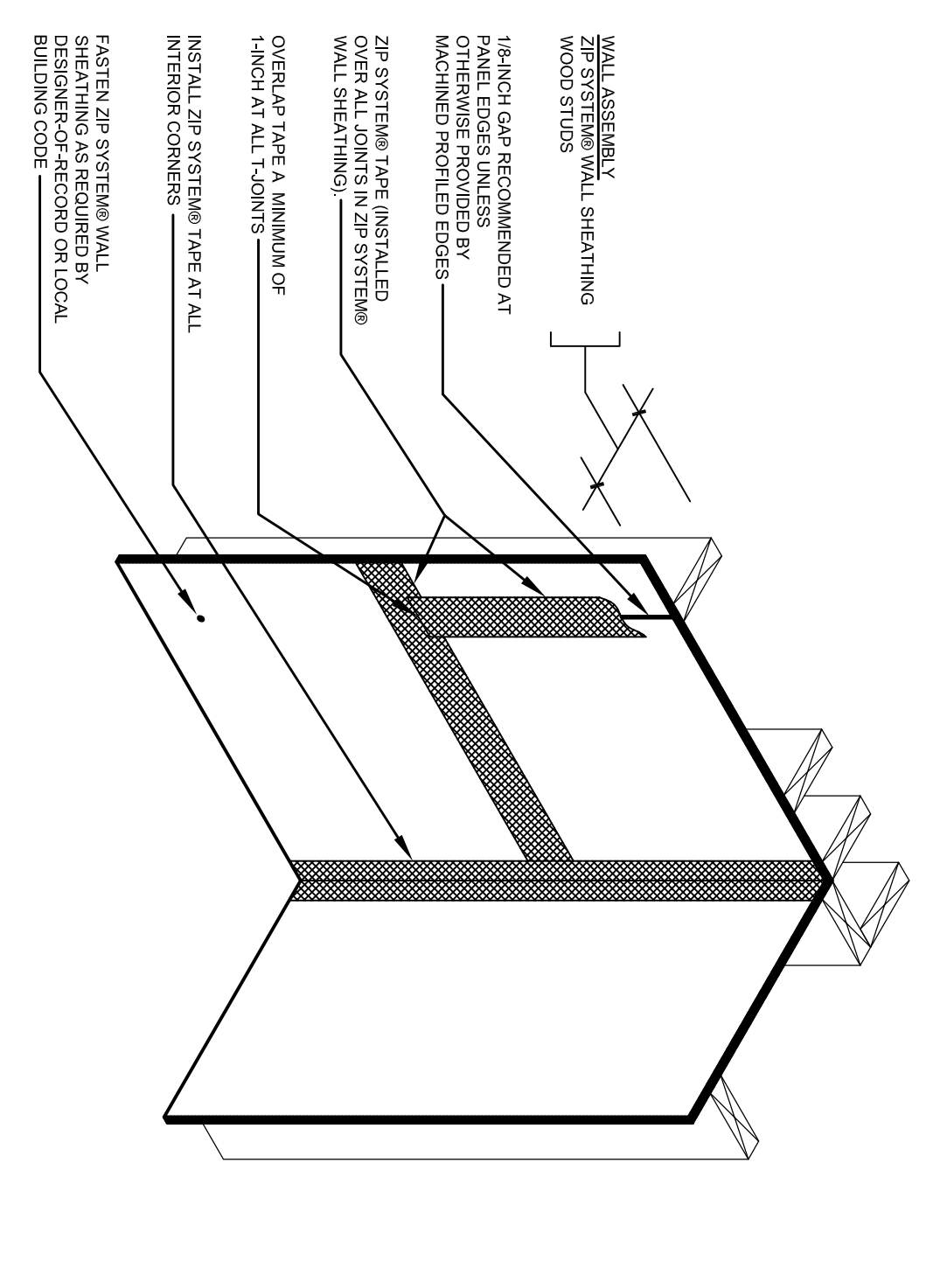
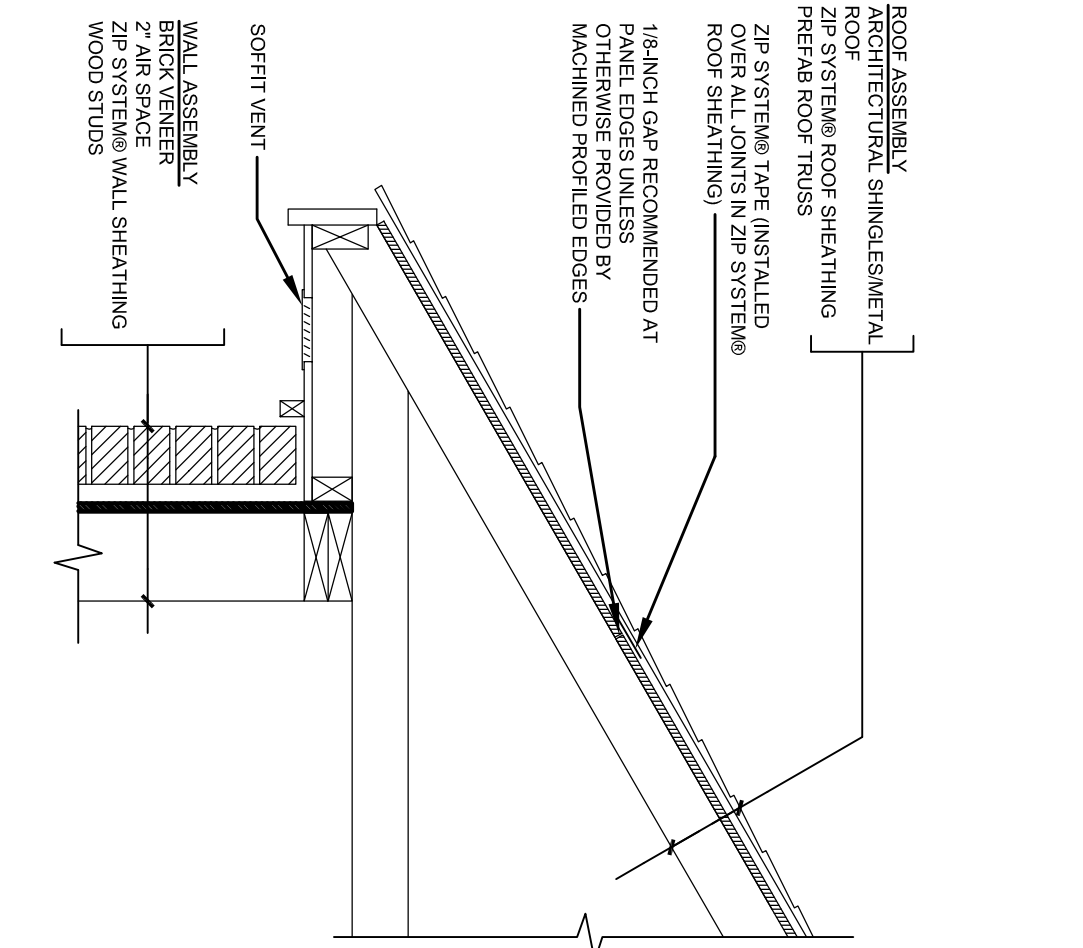
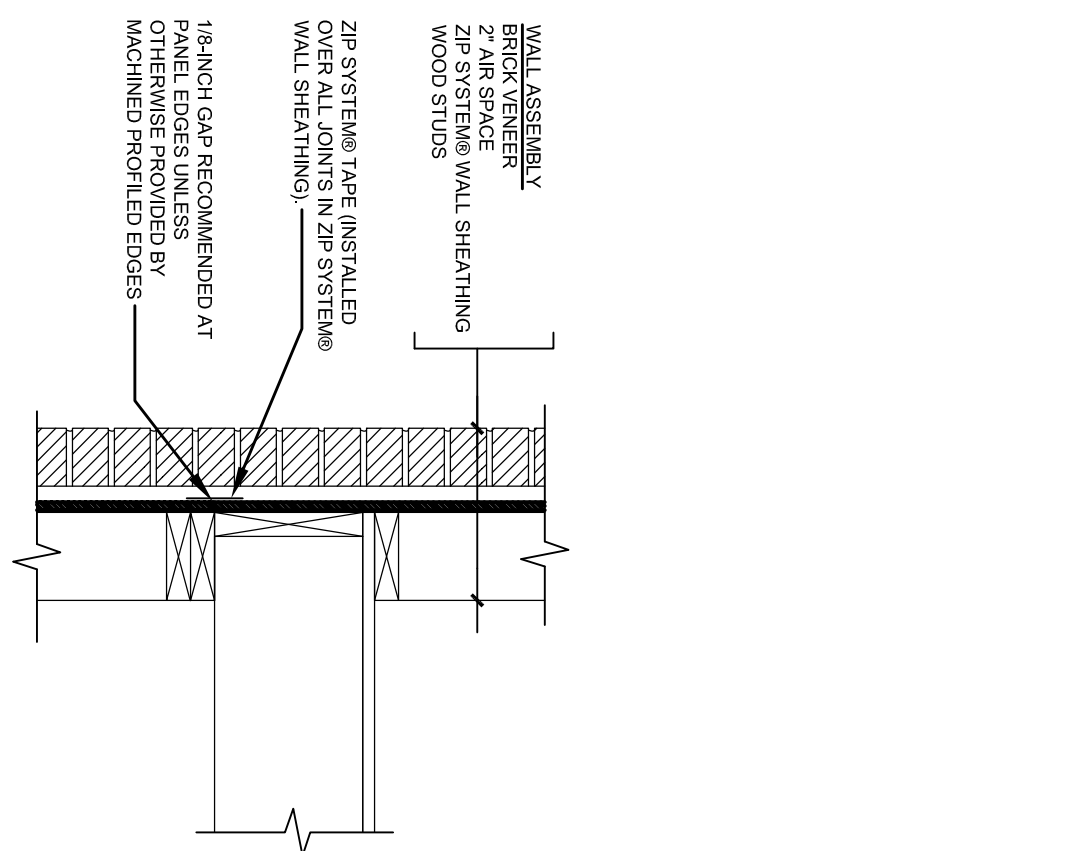
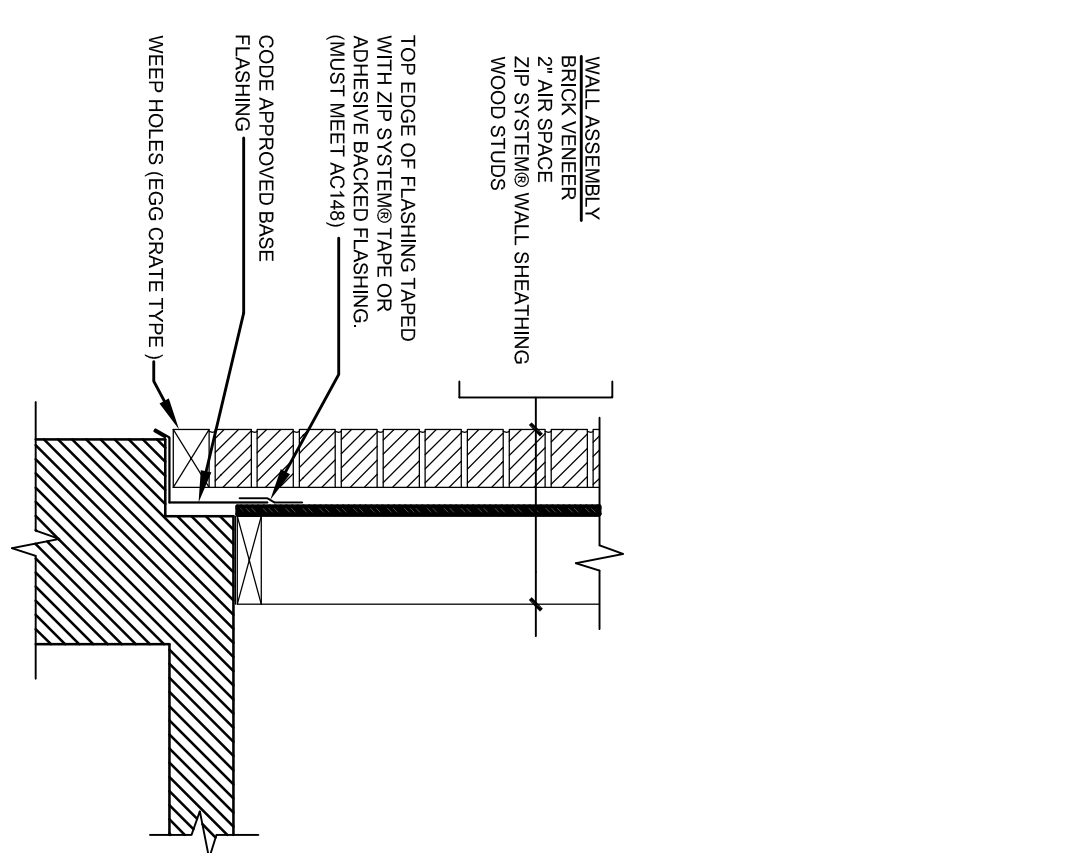
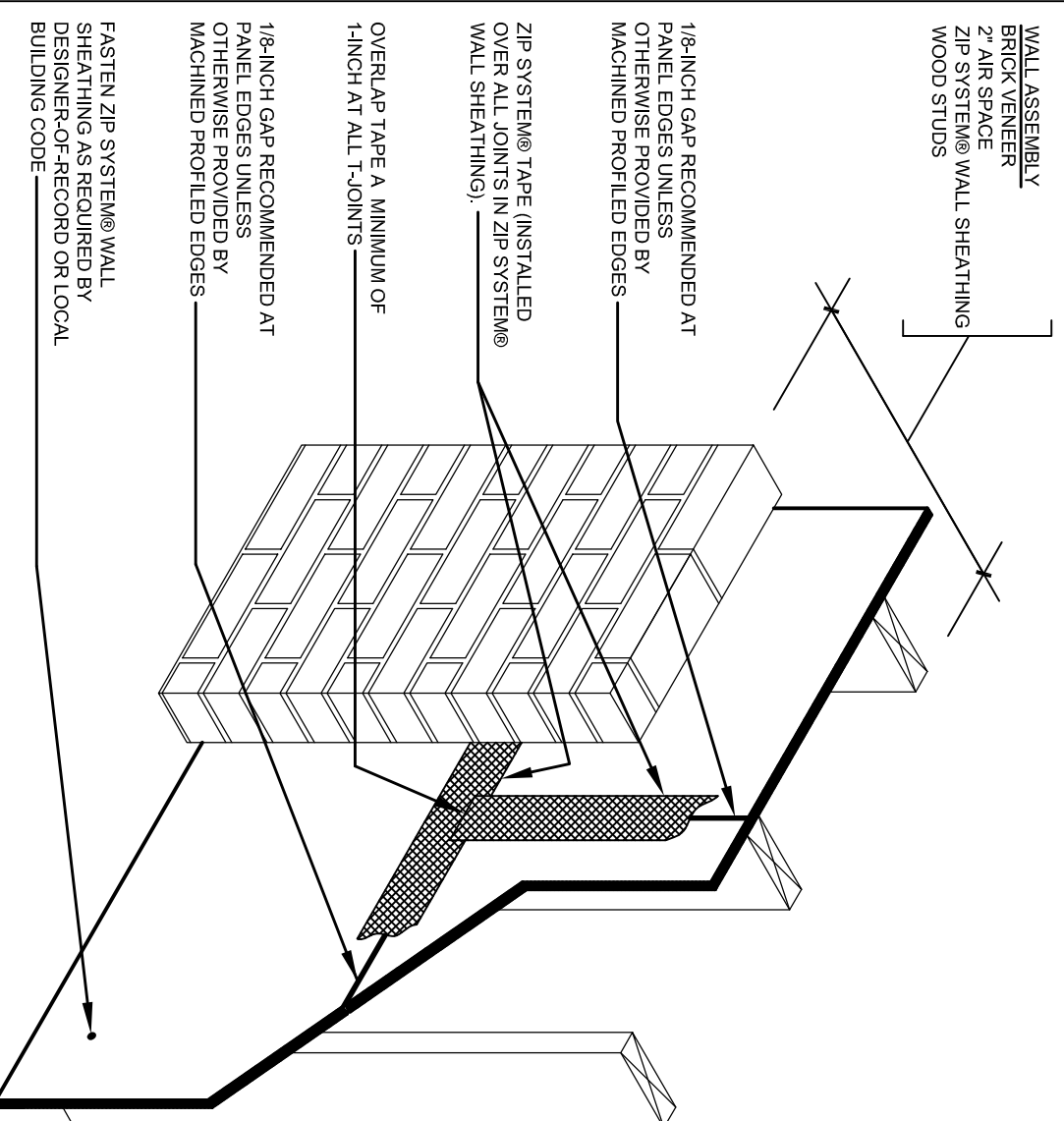
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2	As Noted	2/21/11
3	As Noted	4/11/11
4	As Noted	4/15/11

Scale: August 1, 2011

Drawing Title: WINDOW & STORE FRONT SCHEDULE

Sheet Number: **A8.01**

Professional of Record: Stewart Allen  
Professional Registration No. CA 3015



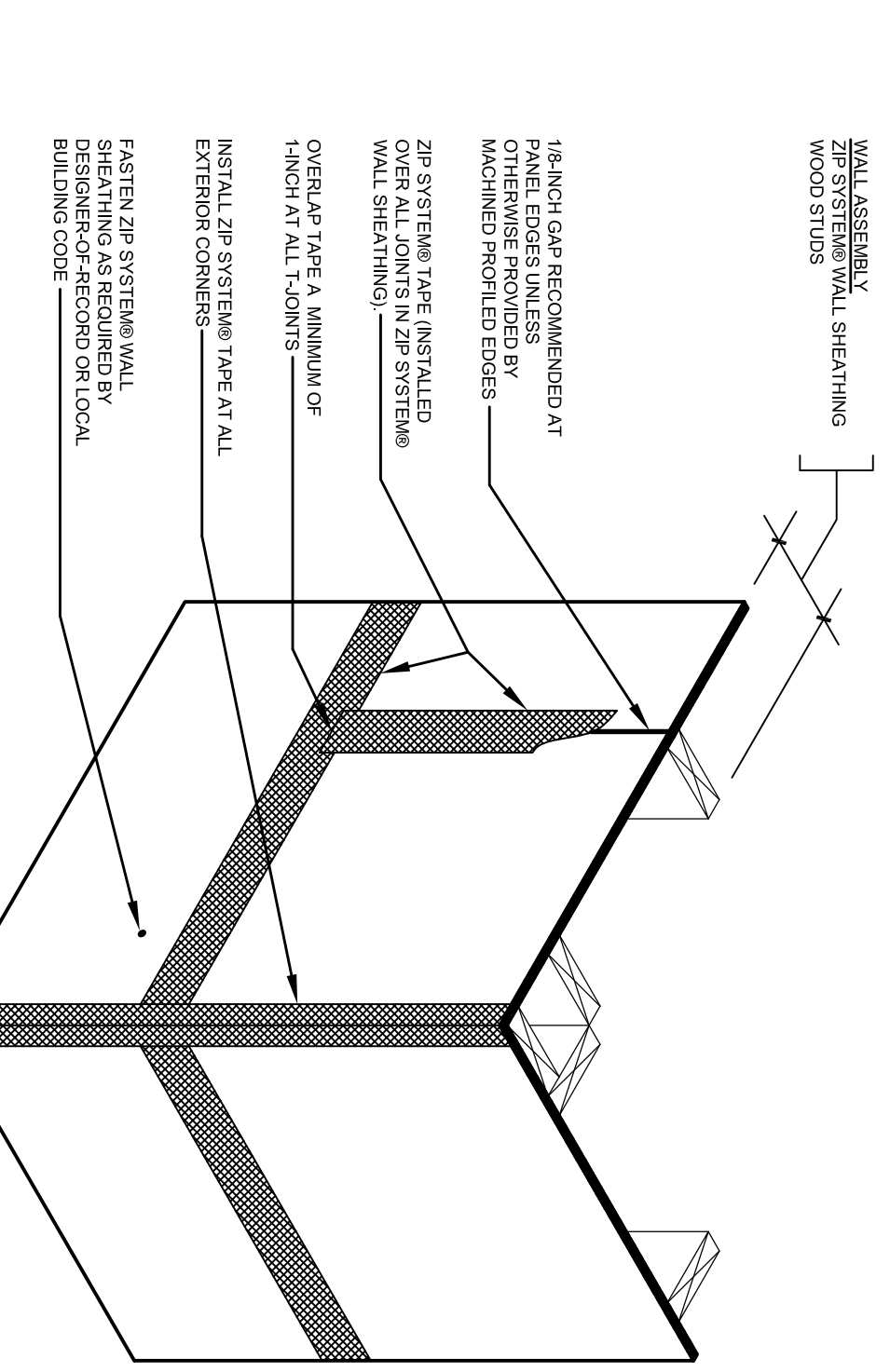
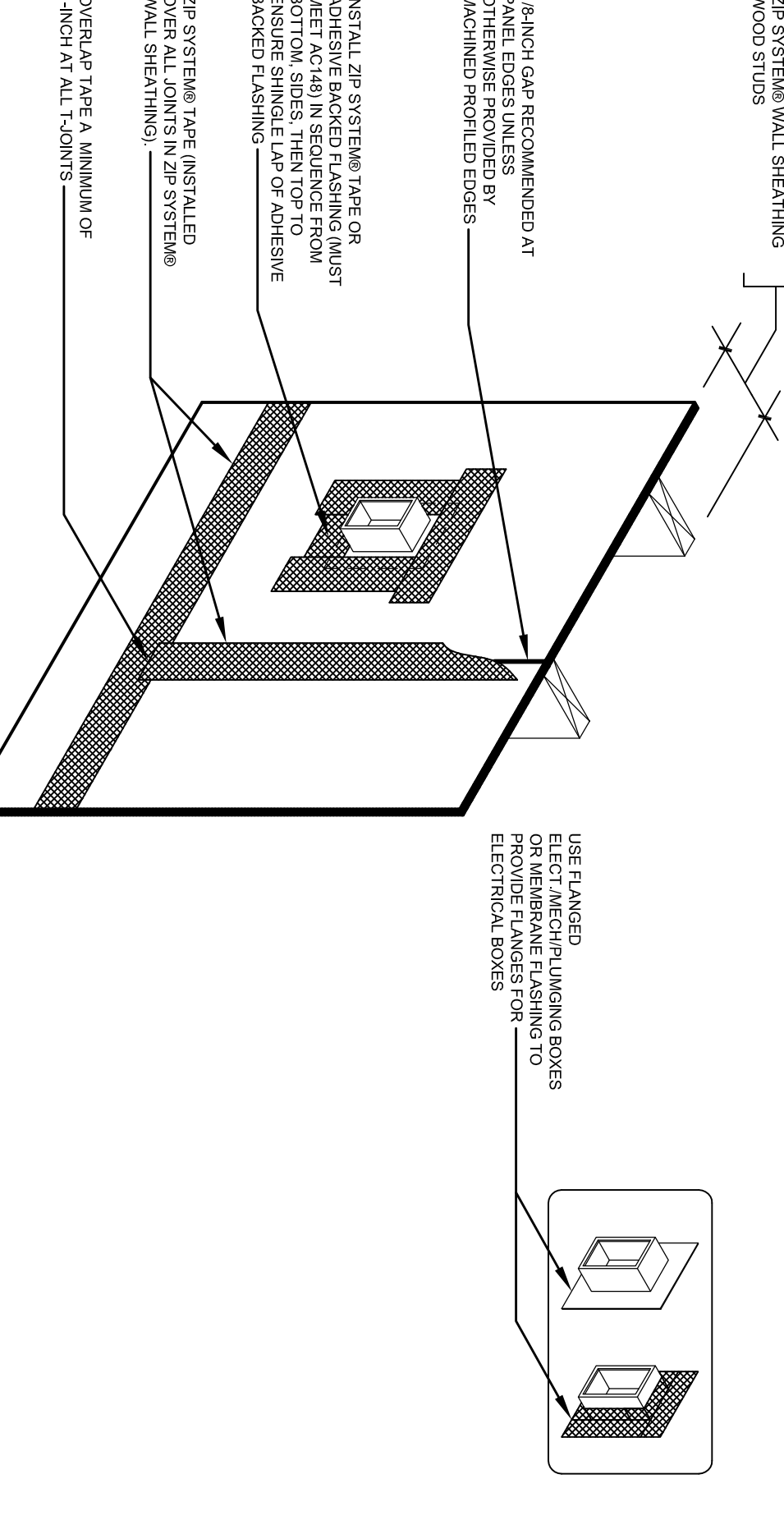
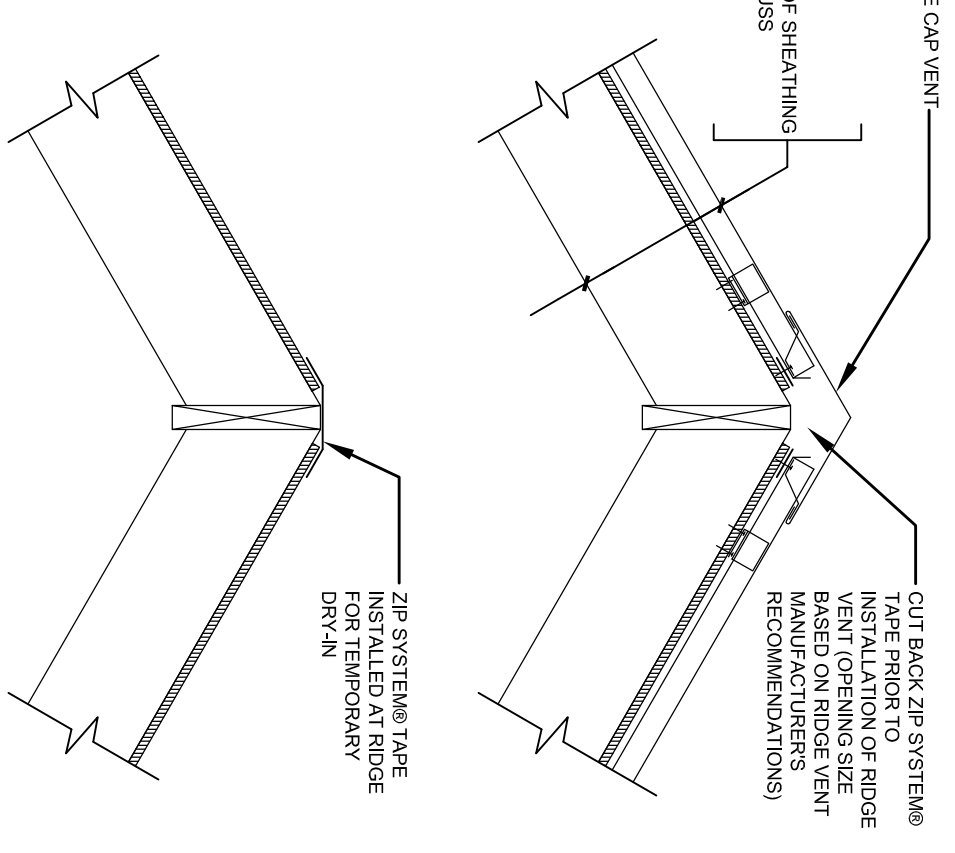
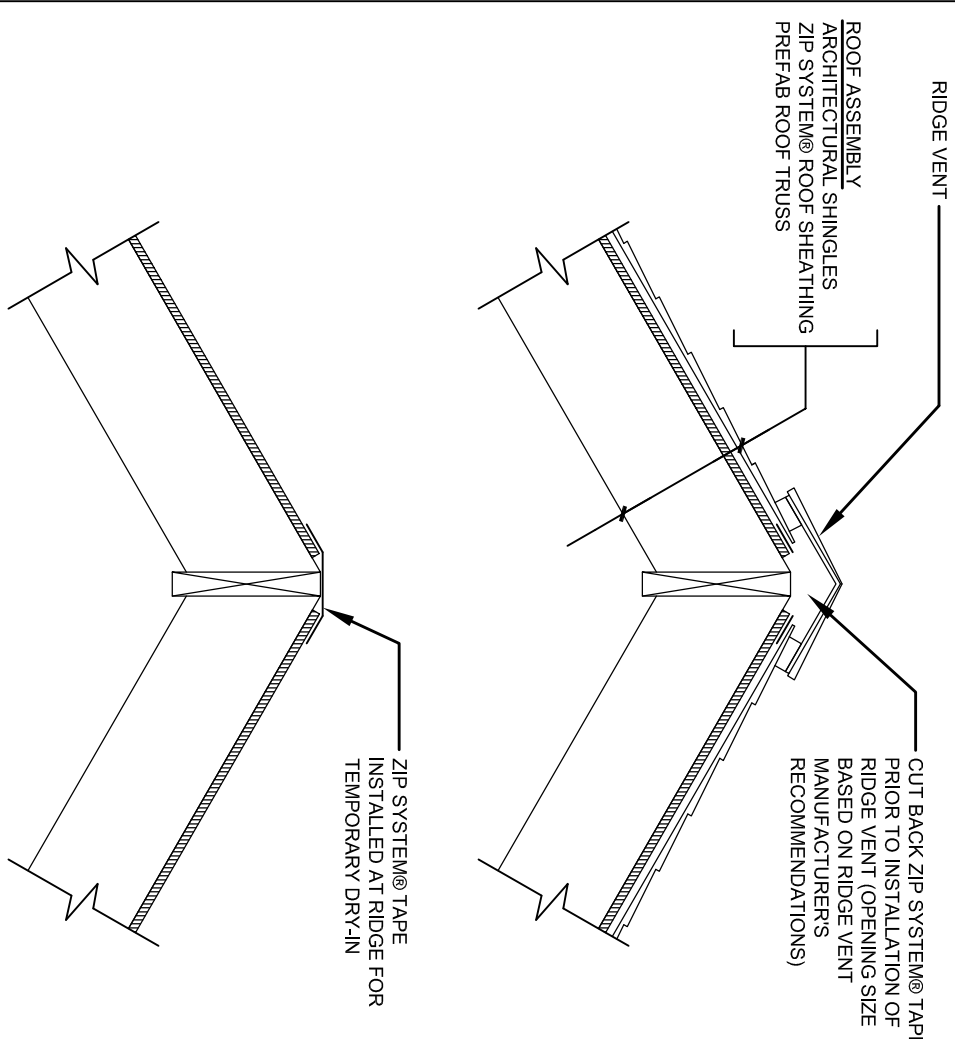
WALL JOINT DETAIL

FLASHING DETAIL

HORI. JOINT@FLOOR

ROOF DETAIL

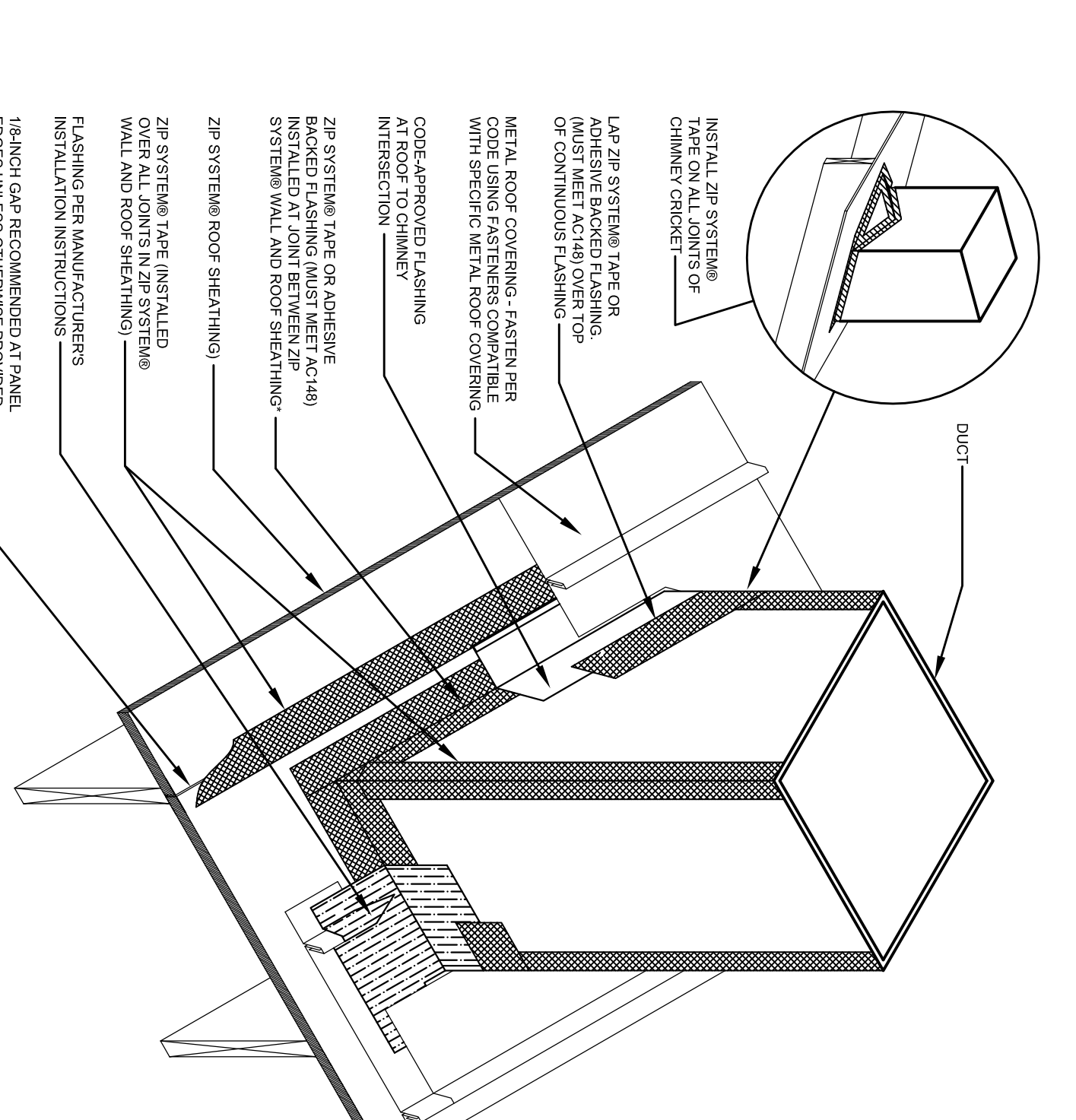
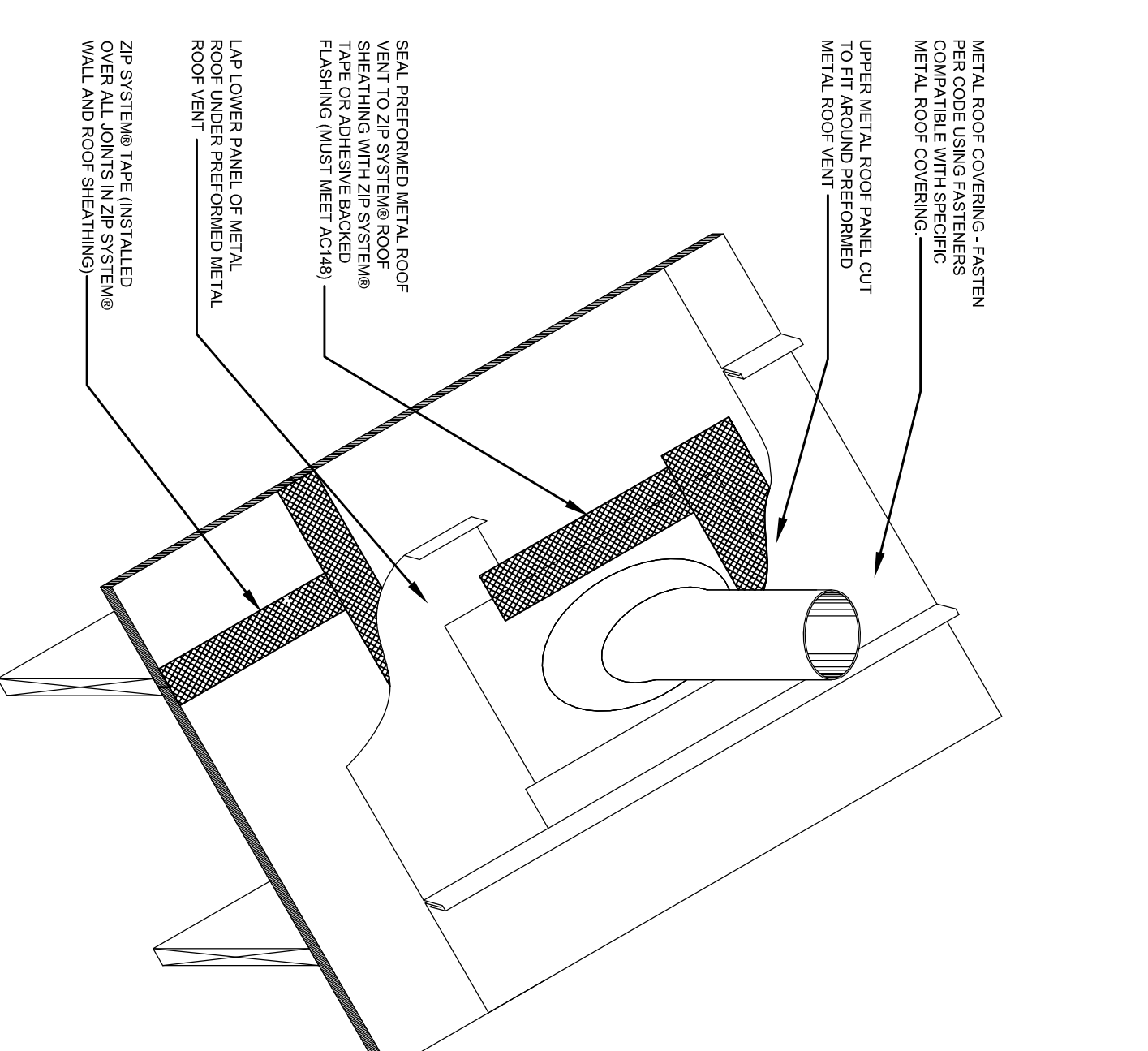
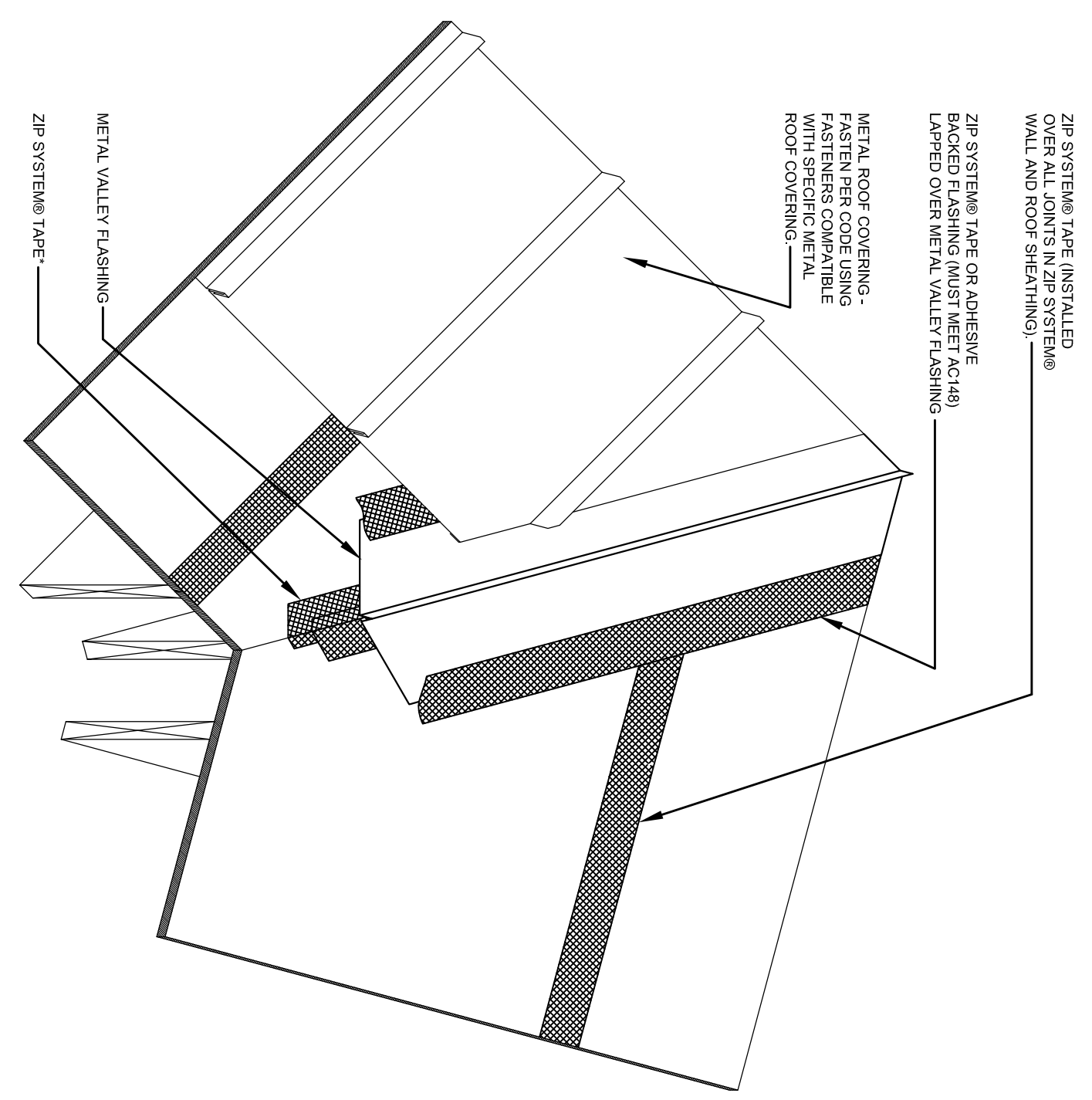
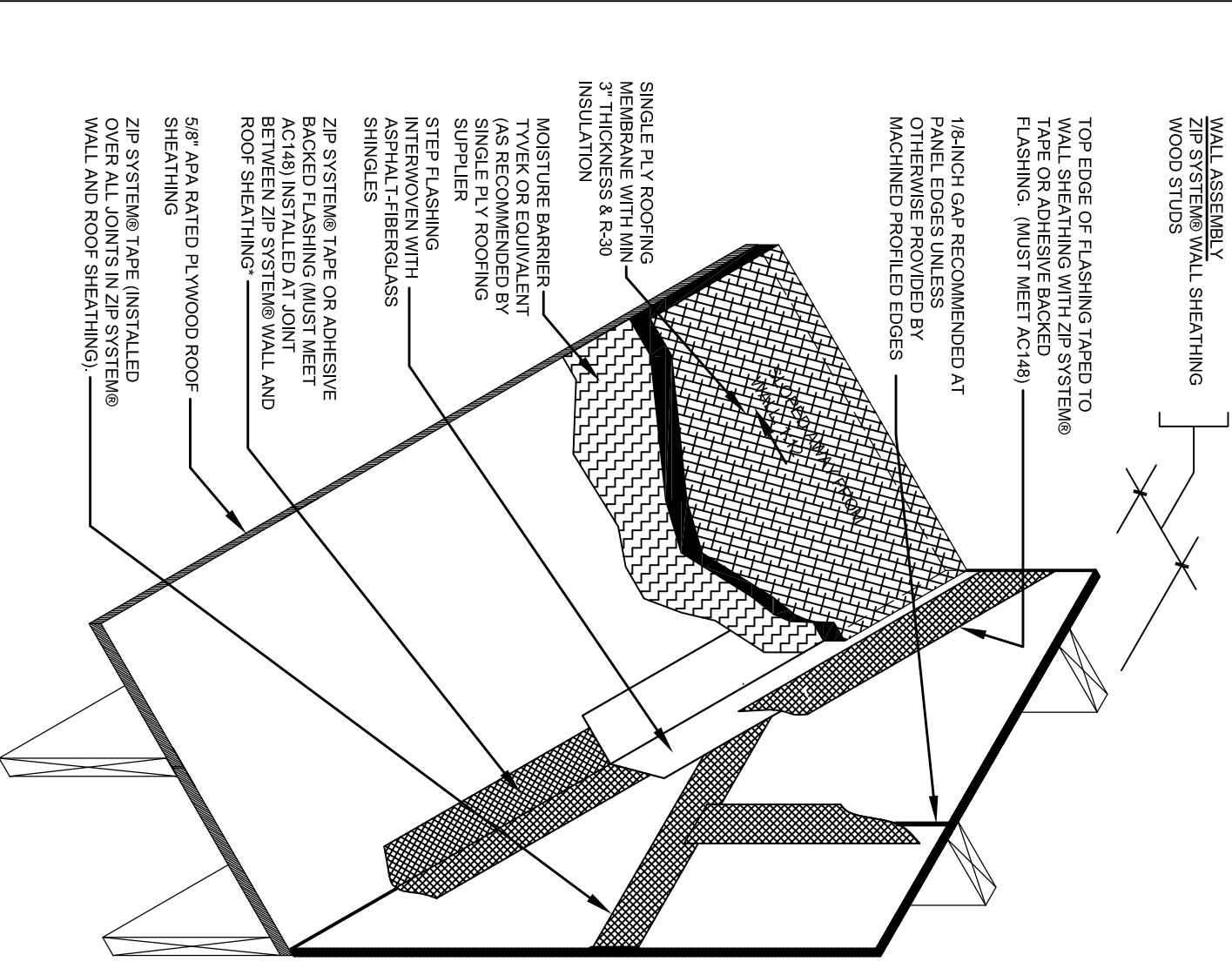
INTERNAL CORNER TAPE DETAIL



RIDGE DETAIL

WALL PENETRATION DETAIL

EXTERNAL CORNER TAPE DETAIL



ROOF-WALL CONNECTION

VALLEY DETAIL

ROOF PENETRATION DETAIL

ROOF PENETRATION DETAIL-2

FINAL CONSTRUCTION SET - AUGUST 1, 2011

ALLEN WILSON III, P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30305  
T: 404.283.4488 | F: 404.283.7386 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

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**Kimley Horn and Associates, Inc.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: Mark Kilby

**Structural Engineer**  
**STRUCTURAL CONSULTING GROUP**  
6520 SHILOH RD SUITE 300  
LITTLE ROCK, AR 72116  
PH: 501-221-3000  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Shivedden Road, Suite 200  
Norcross, GA 30092  
770-441-2547 Fax: 770-448-0282  
Contact: VERN SMITH



Revision	Description	Date
1	As Noted	2/10/11
2	As Noted	2/21/11
3	As Noted	4/11/11
4	As Noted	4/15/11

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

Date: August 1, 2011

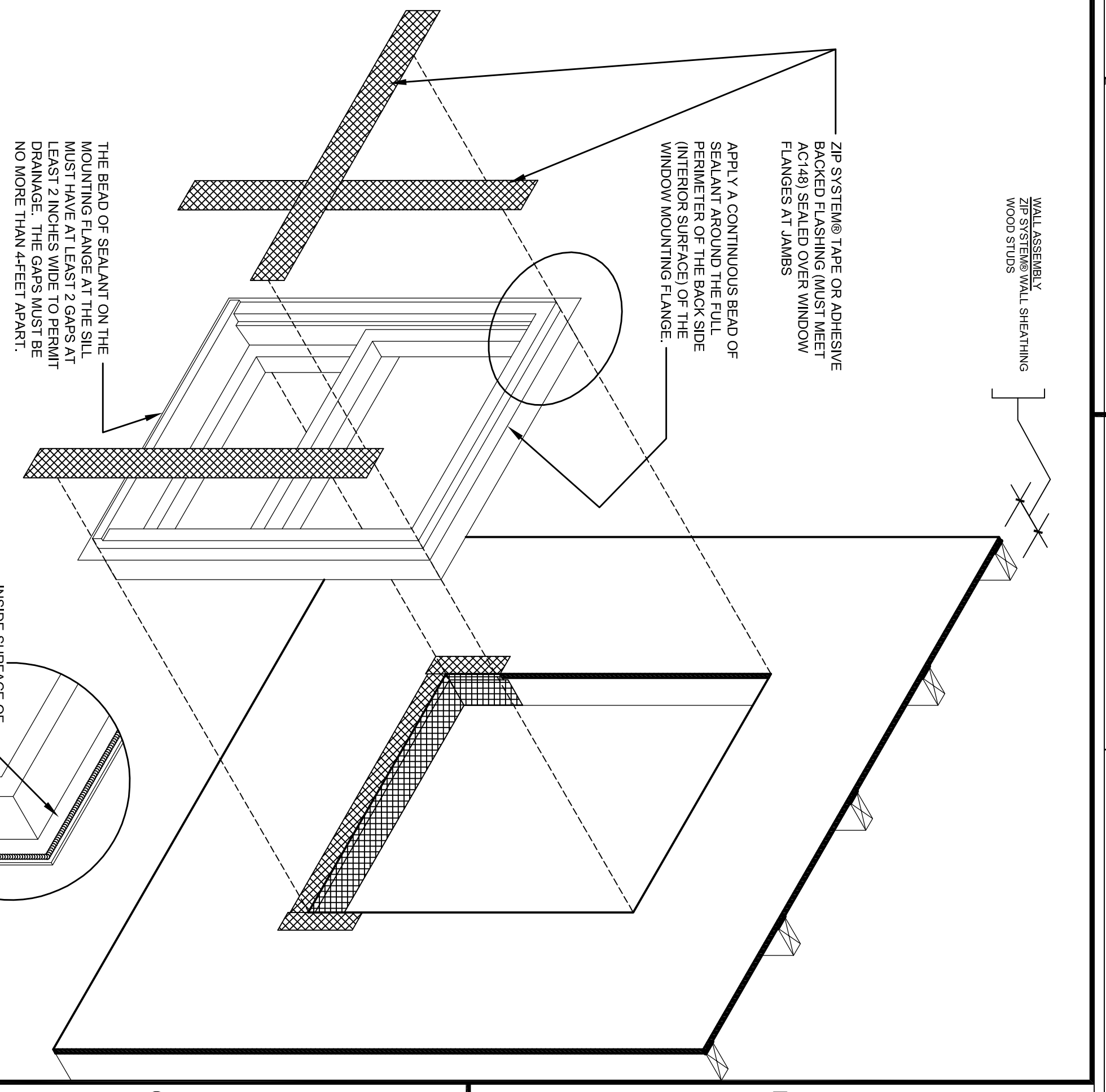
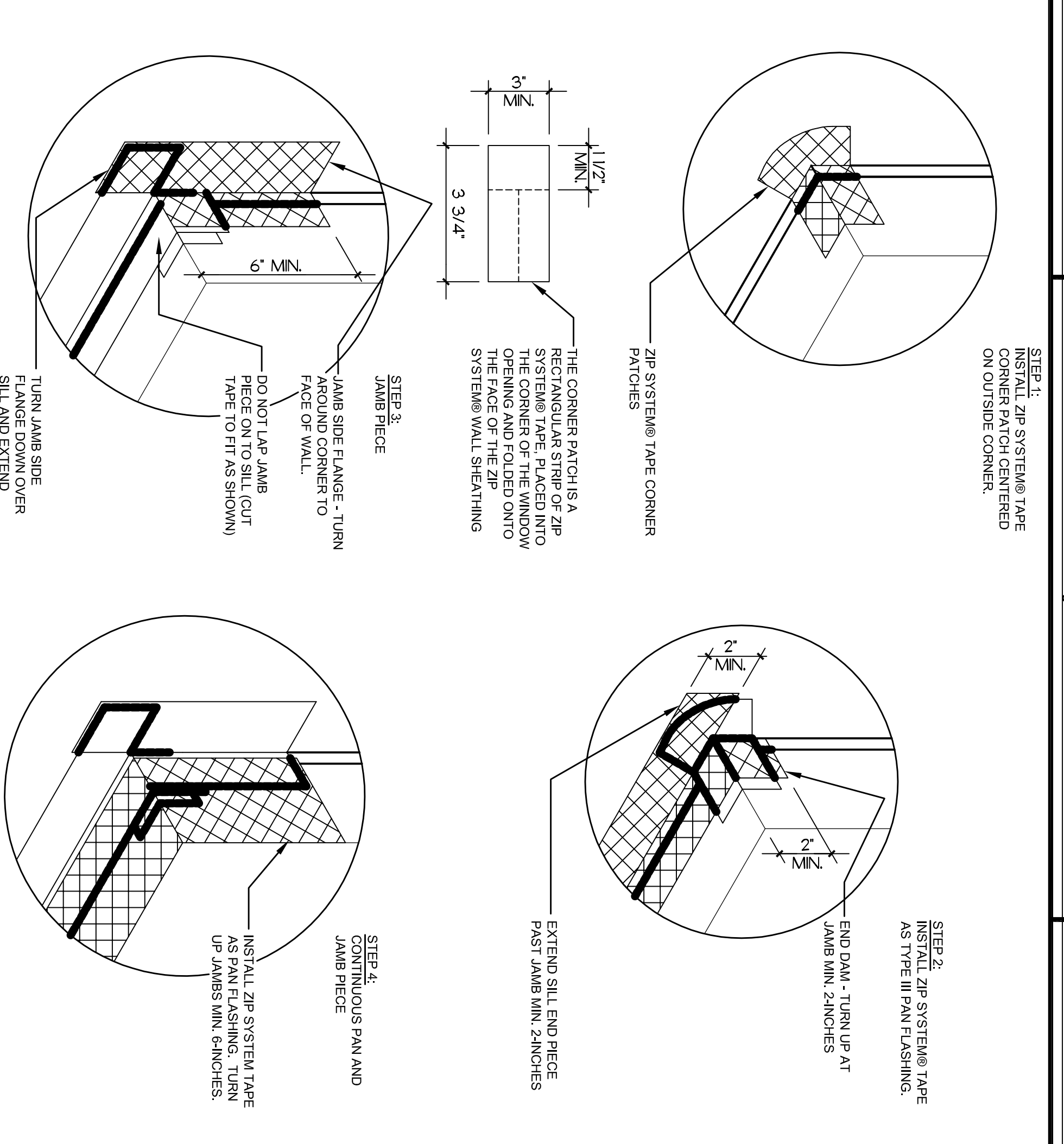
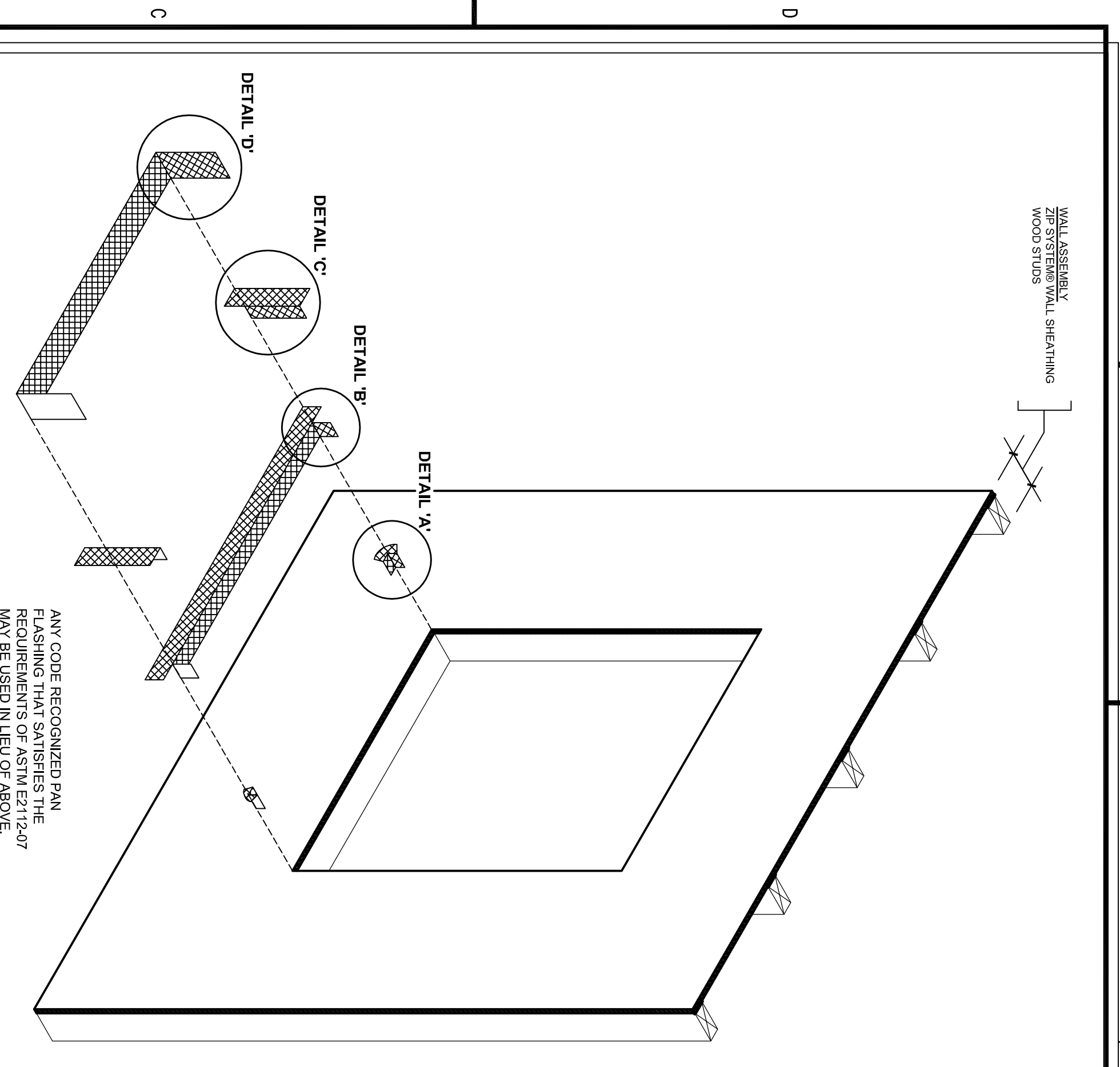
**INSTALLATION DETAILS-1**

Project No: A109132.00

Sheet No: **A8.02**

Professional of Record: **Shawn Adam**  
Professional Registration No. GA 30515

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**ALLEN WILSON III L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

**OLIVER HOUSE**  
Allen Wilson  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
2722 PIEDMONT RD NE | ATLANTA, GEORGIA 30326  
T: 404.253.4488 | F: 404.253.7358 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadp-architect.com

**ENGINEER**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Billmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6520 SHILON RD SUITE 330  
LITTLE ROCK, GA 30059  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & the Production Engineer**  
**JORDAN & SHALA**  
4275 Stonecroft Road, Suite 200  
Norcross, GA 30092  
770-441-5547 Fax: 770-448-0292  
Contact: VERN SMITH

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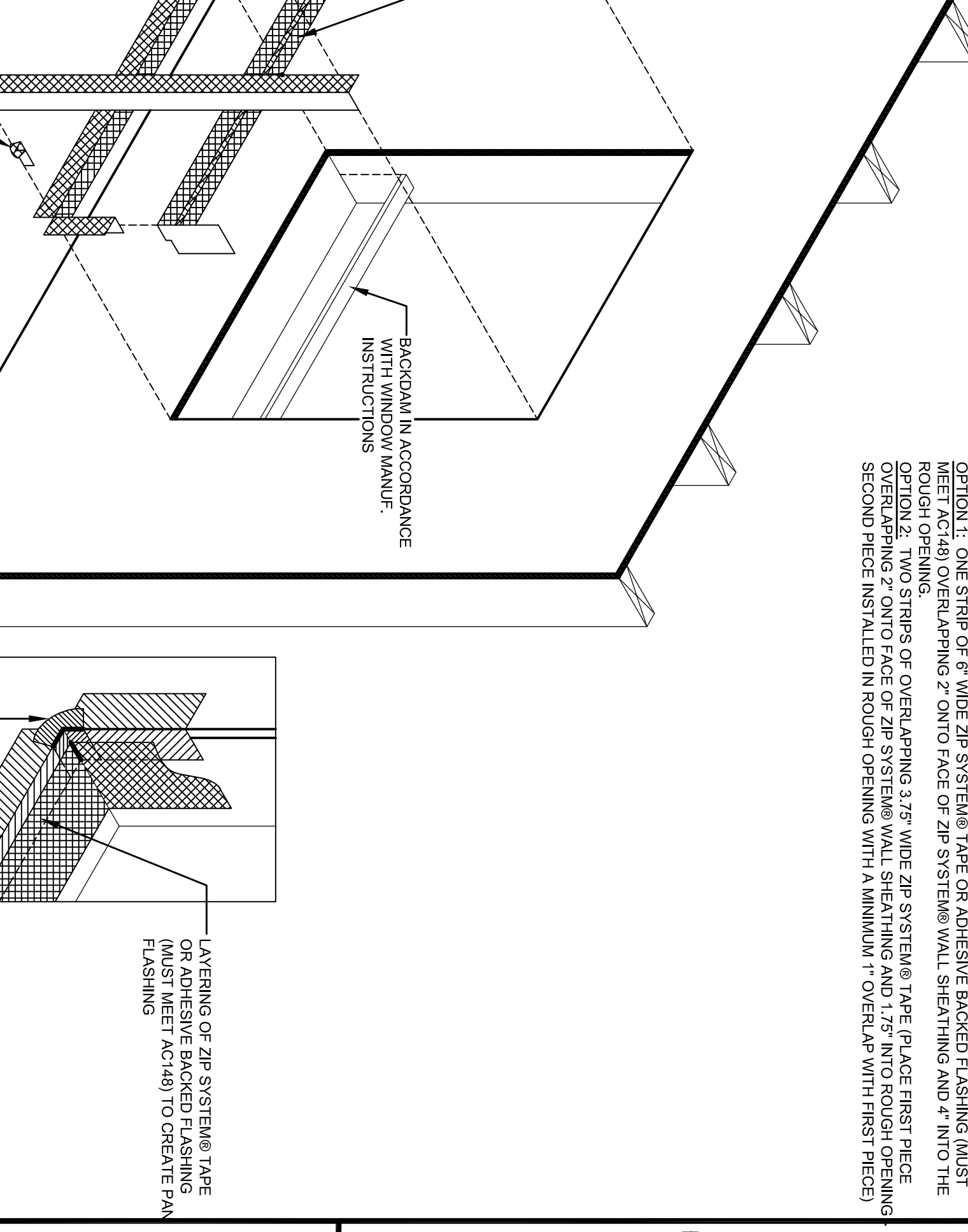
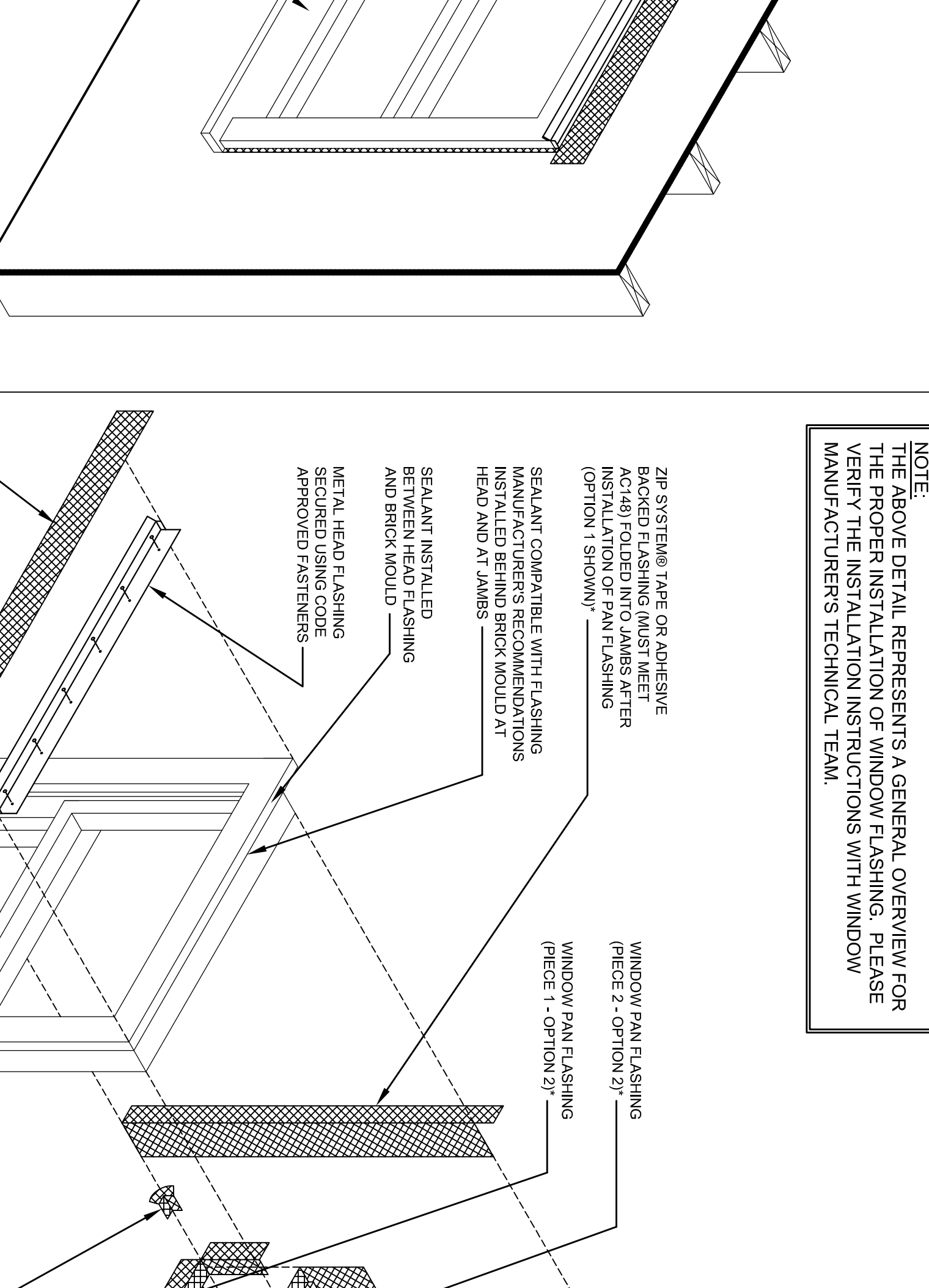
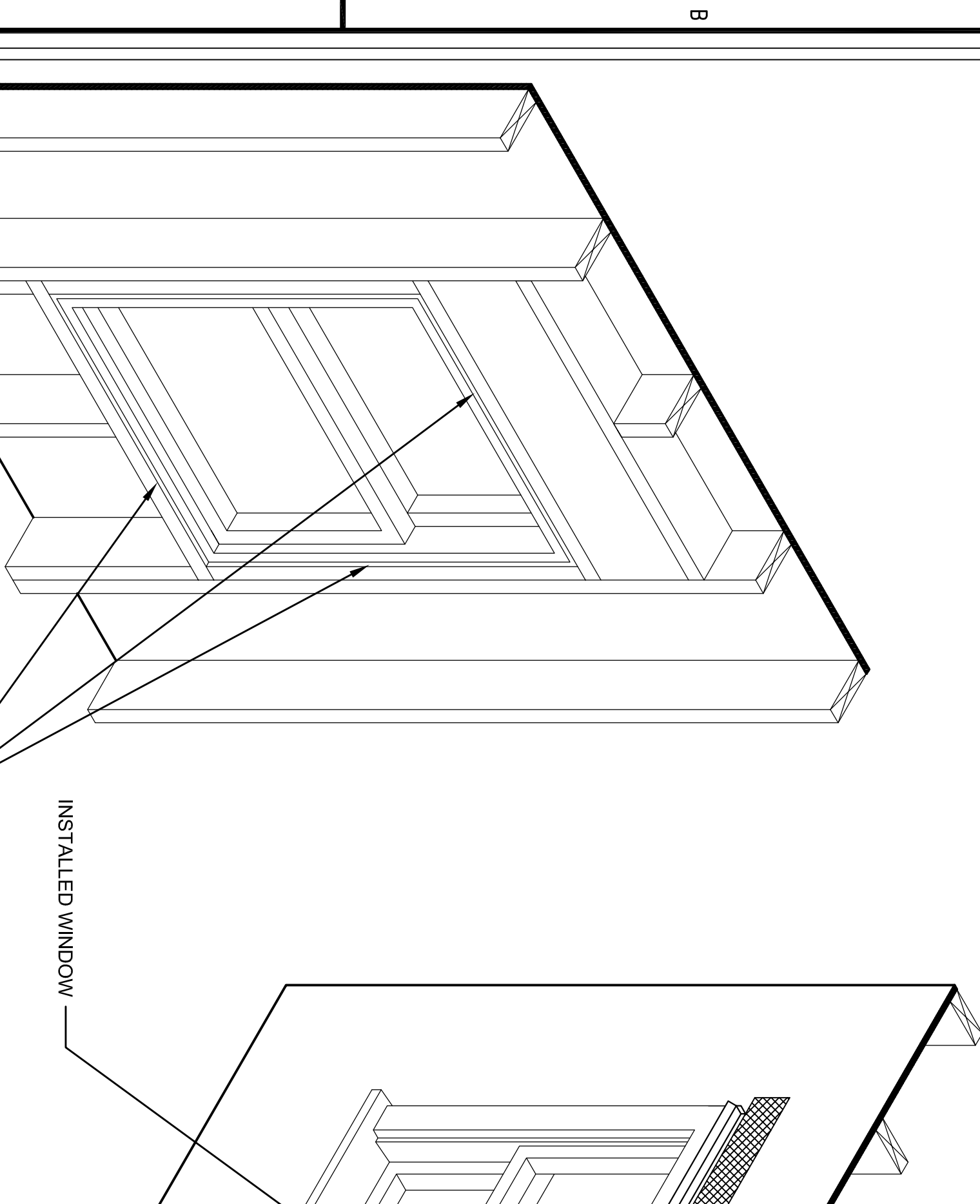
**WINDOW INSTALLATION DETAIL-1**

**WINDOW INSTALLATION DETAIL-2**

**WINDOW INSTALLATION DETAIL-3**

**NOTE:**  
THE ABOVE DETAIL REPRESENTS A GENERAL OVERVIEW FOR THE PROPER INSTALLATION OF WINDOW FLASHING. PLEASE VERIFY THE INSTALLATION INSTRUCTIONS WITH WINDOW MANUFACTURERS' TECHNICAL TEAM.

**ZIP SYSTEM® WALL SHEATHING WINDOW PAN FLASHING OPTIONS:**  
**OPTION 1:** ONE STRIP OF 6" WIDE ZIP SYSTEM® TAPE OR ADHESIVE BACKED FLASHING (MUST MEET AC148) OVERLAPPING 2" ONTO FACE OF ZIP SYSTEM® WALL SHEATHING AND 4" INTO THE ROUGH OPENING.  
**OPTION 2:** TWO STRIPS OF OVERLAPPING 3.75" WIDE ZIP SYSTEM TAPE (PLACE FIRST PIECE OVERLAPPING 2" ONTO FACE OF ZIP SYSTEM® WALL SHEATHING AND 1.75" INTO ROUGH OPENING. SECOND PIECE INSTALLED IN ROUGH OPENING WITH A MINIMUM 1" OVERLAP WITH FIRST PIECE)



**STATE OF GEORGIA**  
**REGISTERED ARCHITECT**

**KEY PLAN**

Revision	Description	Date
1	Administrative	2/10/11
2	Administrative	22/1/11
3	Design Comments	4/11/11
4	Administrative & Coordination	4/15/11

Project No: AH09132.00  
File Name: A8.03  
Scale: 1/4" = 1'-0"  
Date: August 1, 2011

**Drawing Title**  
**INSTALLATION**  
**DETAILS-2**

**Sheet Number**  
**A8.03**

Professional of Record: **Shawn Adam**  
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**WINDOW INSTALLATION DETAIL-4**

**WINDOW INSTALLATION DETAIL-5**

**WINDOW INSTALLATION DETAIL-6**

**FINAL CONSTRUCTION SET - AUGUST 1, 2011**

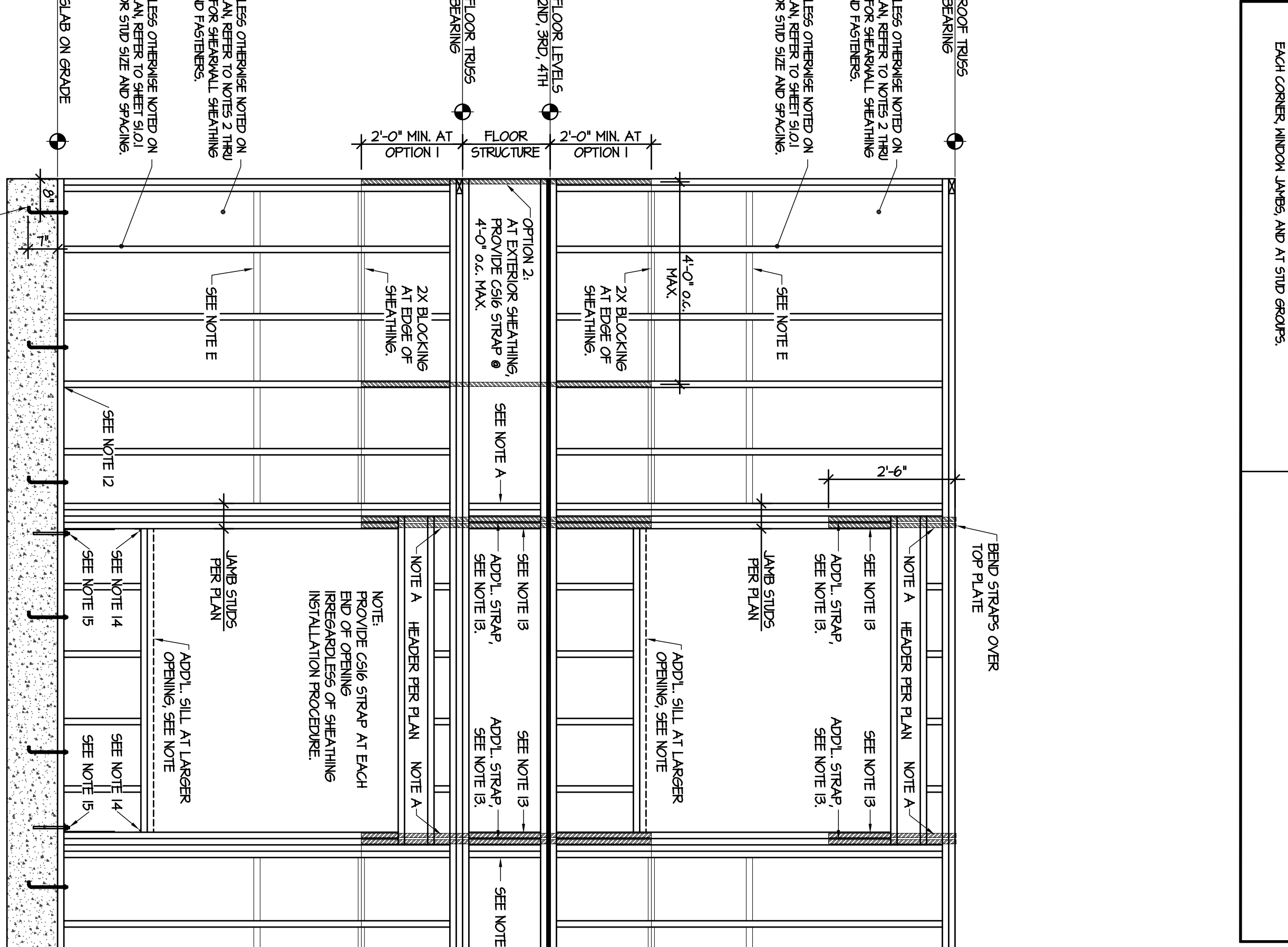
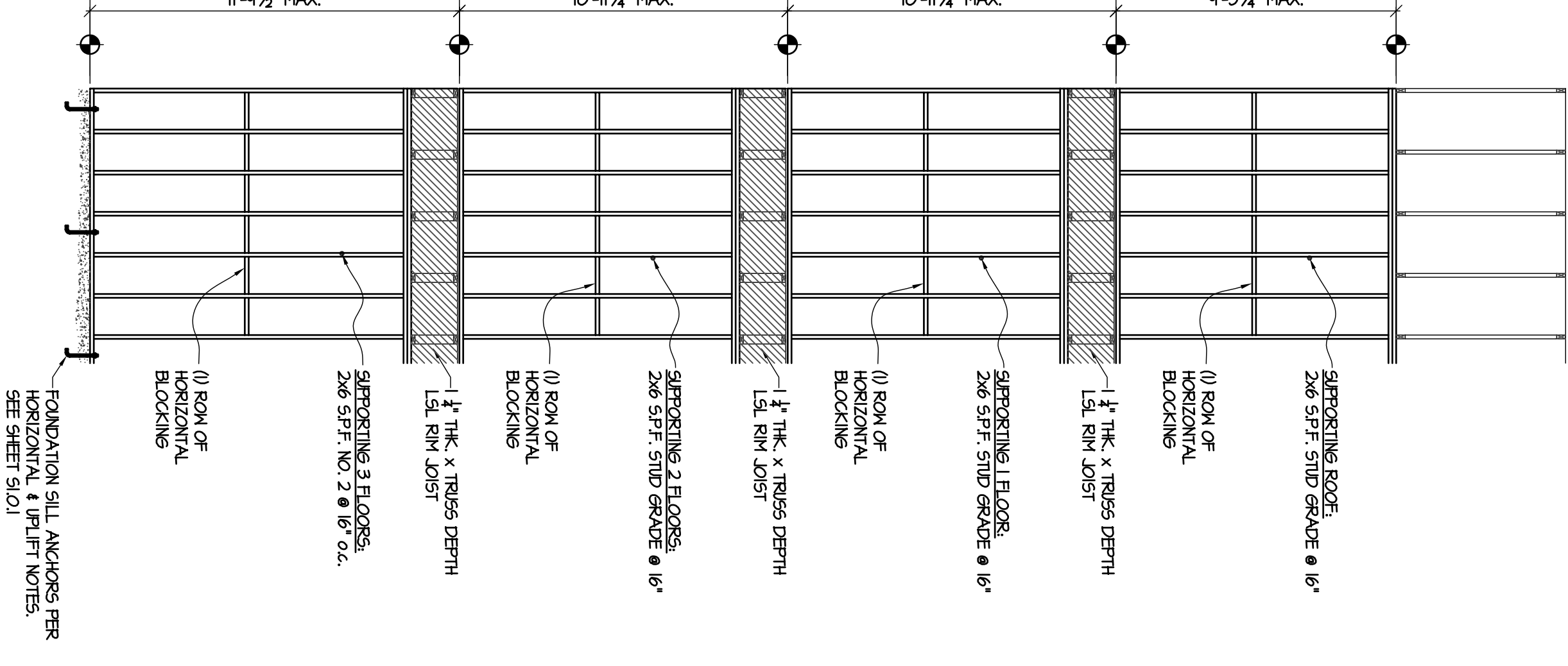
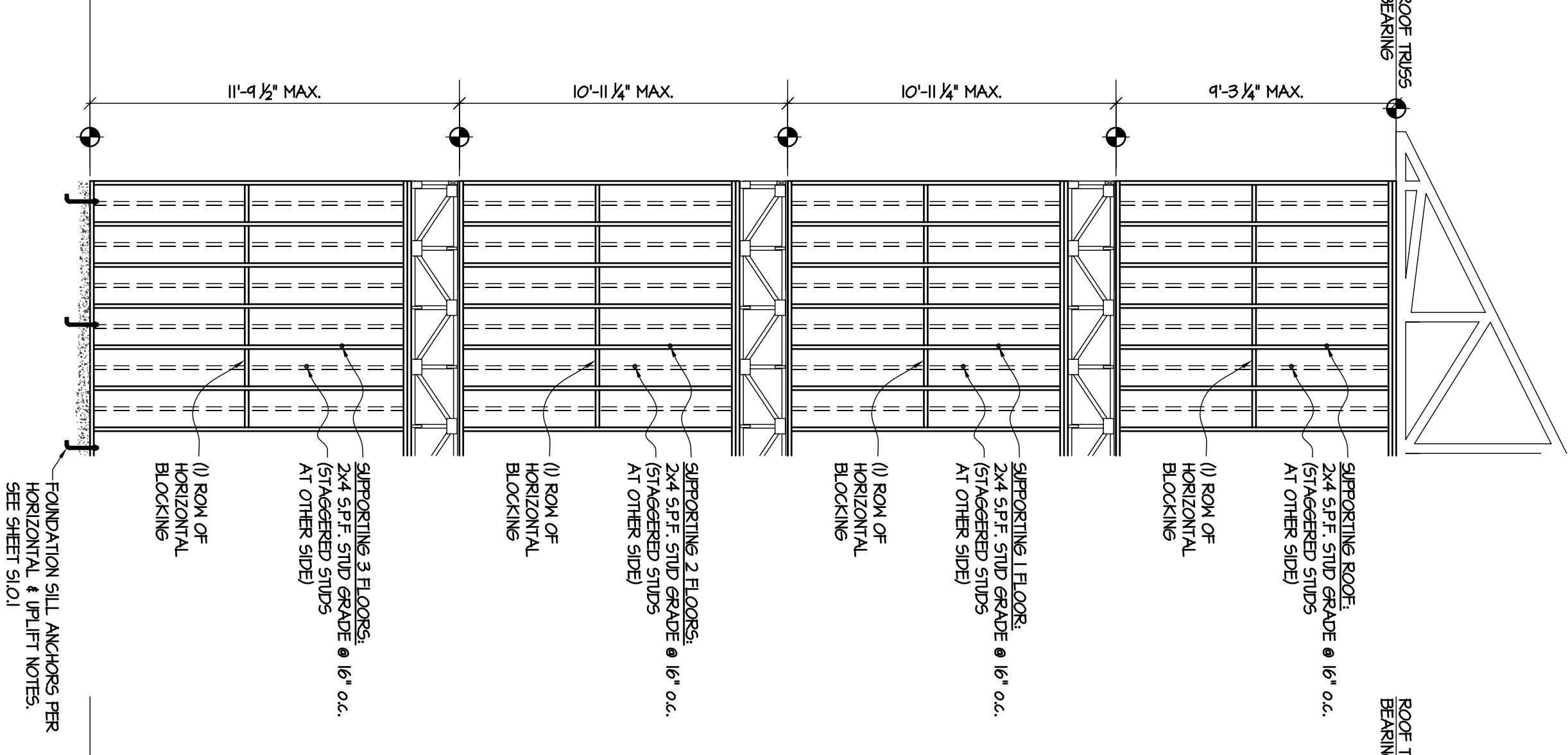
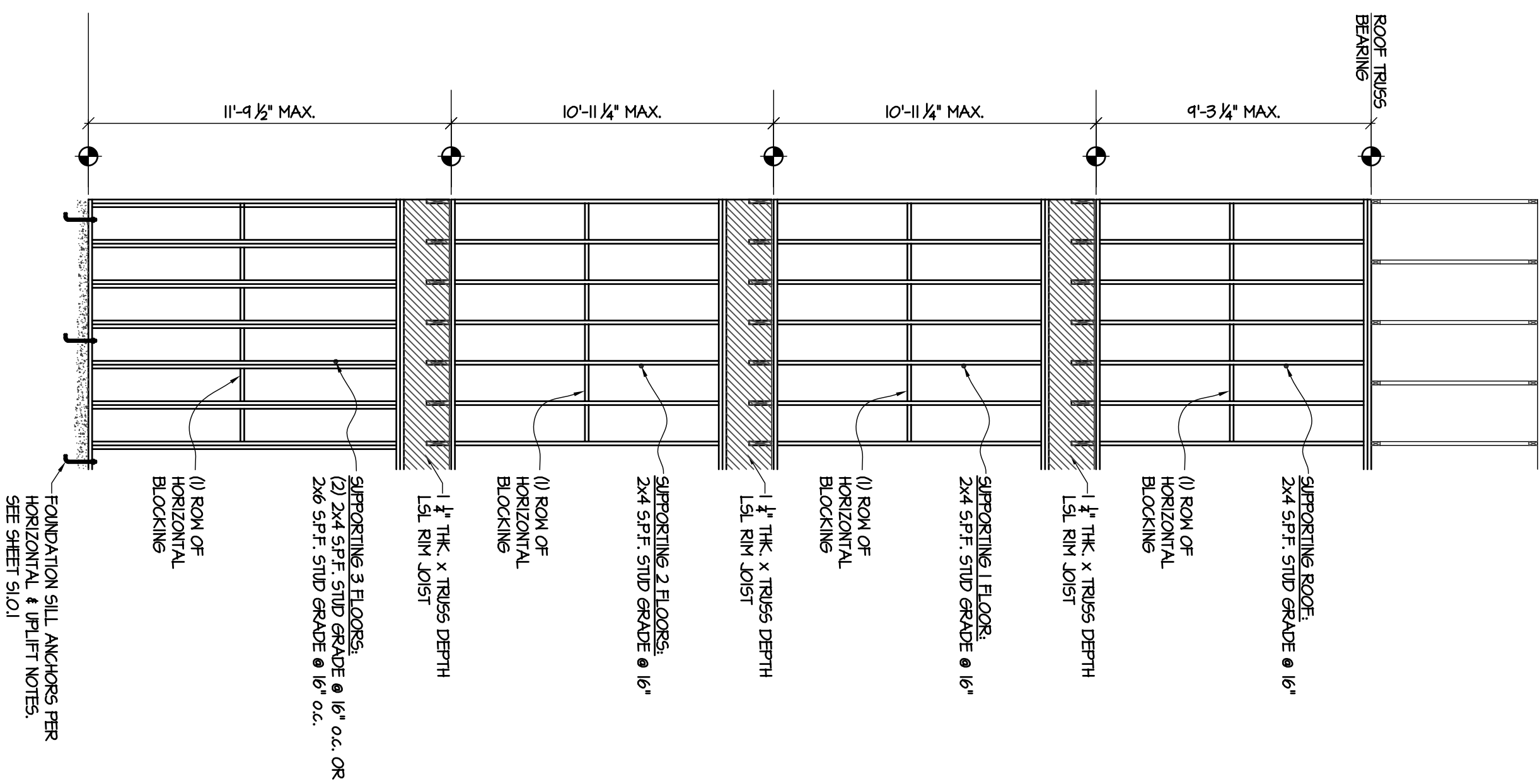


### GRAVITY LOAD SUPPORT SYSTEM NOTES

- ALL JAMB AND BEAM SUPPORT STUDS SHALL BE BLOCKED ON END OF BEAM TO BE EQUAL TO NUMBER OF STUDS TO EACH END OF BEAM TO MATCH STUD GROUP ABOVE.
- REMOVE 3 STUDS (MINIMUM) BEHIND ALL BEAMS AND TRUSS GROUPS CONTIGUOUS TO FOUNDATION UNLESS NOTED OTHERWISE.
- ALL BEAMS ARE TO BE FLUSH/CONCEALED WITH FLOOR CAVITY. PROVIDE HANGERS AND BLOCKING AS REQUIRED.
- FRISER-JOINTED STUDS SHALL BE AT INTERIOR ONLY. 1 BE MUST BE 9" P 2 STUDS TO BE BLOCKED AT 5'-0" MAXIMUM.
- REMOVE CONTIGUOUS 2X LEM-RIBBON AT TOP OF ALL TRUSSES.
- REFER TO DIAGRAMS SECTION FOR MINIMUM WALL STUD SIZES AND SPACING OF BEARING WALLS. ALL STUDS TO BE 9" STUD GRADE UNLESS NOTED OTHERWISE. ALL EXTERIOR STUDS HAVE BEEN ASSUMED TO BE 9" STUD GRADE UNLESS NOTED OTHERWISE. DEFLECTION CRITERIA IS DESIRED THE STUDS MUST BE REDESIGNED.

### HORIZONTAL AND UPLIFT LOAD SYSTEM NOTES

- SHEARWALLS ARE TO BE SHEATHED AS INDICATED IN NOTES SCHEDULED. PROVIDE 2X BLOCKING AT ALL SHEARWALL SHEATHING EDGES. ALL SHEATHING SHEATHING TO BE APPLIED DIRECTLY TO STUDS - NO RESILIENT CHANNEL.
- ALL EXTERIOR WALLS: ALL EXTERIOR EXTERIOR FACE 7/8" AEA RATED SHEATHING APPLIED DIRECTLY TO STUDS (TRUSS OR CORB) ATTACHED TO STUDS. PROVIDE 2X BLOCKING AT ALL SHEARWALL SHEATHING EDGES. ALL SHEATHING SHEATHING TO BE APPLIED DIRECTLY TO STUDS - NO RESILIENT CHANNEL. 5/8" GYP BOARD APPLIED DIRECTLY TO STUDS WITH DRILLWALL SCREWS AT 4'-0" AT EDGES AND INTERMEDIATE SPACINGS.
- DOUBLE TENANT SEPARATION WALLS: THESE WALLS: 7/8" AEA RATED SHEATHING APPLIED DIRECTLY TO STUDS. PROVIDE 2X BLOCKING AT ALL SHEARWALL SHEATHING EDGES. ALL SHEATHING SHEATHING TO BE APPLIED DIRECTLY TO STUDS - NO RESILIENT CHANNEL. 5/8" GYP BOARD APPLIED DIRECTLY TO STUDS WITH DRILLWALL SCREWS AT 4'-0" AT EDGES AND INTERMEDIATE SPACINGS.
- INTERIOR WALLS: AT INTERIOR WALLS: 5/8" GYP BOARD APPLIED DIRECTLY TO STUDS. PROVIDE 2X BLOCKING AT ALL SHEARWALL SHEATHING EDGES. ALL SHEATHING SHEATHING TO BE APPLIED DIRECTLY TO STUDS - NO RESILIENT CHANNEL. 5/8" GYP BOARD APPLIED DIRECTLY TO STUDS WITH DRILLWALL SCREWS AT 4'-0" AT EDGES AND INTERMEDIATE SPACINGS.
- TYPICAL WALLS: TYPICAL WALLS: 5/8" GYP BOARD APPLIED DIRECTLY TO STUDS. PROVIDE 2X BLOCKING AT ALL SHEARWALL SHEATHING EDGES. ALL SHEATHING SHEATHING TO BE APPLIED DIRECTLY TO STUDS - NO RESILIENT CHANNEL. 5/8" GYP BOARD APPLIED DIRECTLY TO STUDS WITH DRILLWALL SCREWS AT 4'-0" AT EDGES AND INTERMEDIATE SPACINGS.
- ROOF TRUSSES: ROOF TRUSSES: 5/8" GYP BOARD APPLIED DIRECTLY TO STUDS. PROVIDE 2X BLOCKING AT ALL SHEARWALL SHEATHING EDGES. ALL SHEATHING SHEATHING TO BE APPLIED DIRECTLY TO STUDS - NO RESILIENT CHANNEL. 5/8" GYP BOARD APPLIED DIRECTLY TO STUDS WITH DRILLWALL SCREWS AT 4'-0" AT EDGES AND INTERMEDIATE SPACINGS.
- TOP PLATES AT CORNER SHALL BE TIED TO STUDS EACH CORNER, WINDOW JAMBS, AND AT STUD GROUPS.
- BOTTOM PLATE OF SHEARWALLS SHALL BE WELDED TO TRUSSES AND BLOCKING WITH 80# WELLS AT 4'-0".
- FLOOR RECEIVING SHALL BE WELDED TO TRUSSES, HANGERS AND BEAMS WITH 80# WELLS AT 4'-0".
- AT THE FOUNDATION PROVIDE THE FOLLOWING:
  - 1/2" DIA. X 16" LONG (7" MINIMUM DEPTH) UPLIFT ANCHORS AT CORNERS AND 4'-0" O.C.
  - SIMPSON VHS ANCHORS AT CORNERS AND 2'-9" O.C.
- CHIEF BEARING WALLS TO BE ATTACHED TO SLAB WITH 1/2" DIA. X 16" LONG (7" MINIMUM DEPTH) UPLIFT ANCHORS AT CORNERS AND 4'-0" O.C.
- BOTTOM PLATE OF SHEARWALLS SHALL BE WELDED TO TRUSSES AND BLOCKING WITH 80# WELLS AT 4'-0".
- THE BOTTOM FLOOR STUDS TO BOTTOM PLATE OF ALL BEARING WALLS WITH ONE OF THE FOLLOWING NOT REQUIRED AT CORNER SHEATHING:
  - 1/2" DIA. X 16" LONG (7" MINIMUM DEPTH) UPLIFT ANCHORS AT CORNERS AND 4'-0" O.C.
  - SIMPSON VHS ANCHORS AT CORNERS AND 2'-9" O.C.
- OTHER SHEATHING AT SLAB LOCATION AS FLOOR TIES.
- PROVIDE 2X STRAP AT EACH END OF OPENING IRRESPECTIVE OF STRAP REQUIRED PER OPENING SIZE.
  - 1A. PROVIDE ONE STRAP AT 3'-0" TO 6'-0" OPENING.
  - 1B. PROVIDE TWO STRAPS AT 6'-0" TO 12'-0" OPENING.
  - 1C. NOTIFY EOR FOR OPENING SIZE NOT INCLUDED.
- PROVIDE ADDITIONAL 2X SILL AT LARGER OPENING FROM 6'-0" TO 12'-0" WITH ONE OF THE FOLLOWING FOR OPENING LARGER THAN 12'-0":
  - 1A. PROVIDE 2X STRAP AT EACH END OF OPENING.
  - 1B. PROVIDE SIMPSON HIT HOLDOWN AT EACH END OF LARGER OPENING. SEE PLAN FOR LOCATION.



### LOBBY WALLS SUPPORTING CORRIDOR 2X10 JOISTS ONLY

### DBL TENANT SEPARATION WALLS NOT SUPPORTING FLOOR TRUSSES

### CORRIDOR & EXTERIOR WALLS SUPPORTING FLOOR & ROOF TRUSSES

### TYPICAL SHEARWALL ELEVATION


  
**ALLEN WILSON II, P.**  
 750 Commerce Drive  
 Dalton, Georgia 30030

**OLIVER HOUSE**  
 Commerce Drive  
 Dalton, Georgia

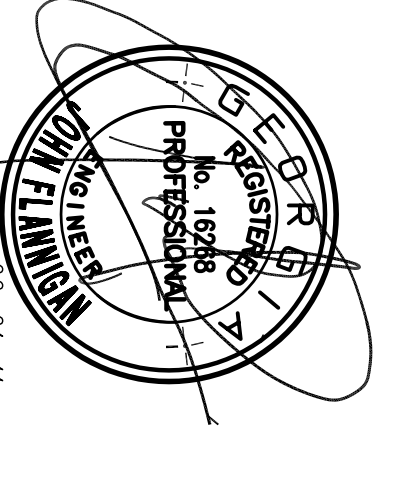

  
**HARPER AIKEN DONAHUE & PARTNERS**  
 ARCHITECTURE, INC.  
 2727 PEDIMENT BLVD. | ATLANTA, | GEORGIA 30305  
 T: 404-233-4468 | F: 404-233-7393 | L: CEN. NO. AA 000242  
 E: info@harpaid.com | www.harpaid.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-501-6172  
 Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
 6520 SHILOH ROAD, SUITE 330  
 LAWRENCEVILLE, GA 30046  
 PH: 770-962-8800  
 Contact: JOHN FLANNIGAN

Electrical: Wernstedt, Plumbing & Fire Protection: Engineers  
**JORDAN & SKALA**  
 4275 Shepherd Road, Suite 200  
 Norcross, GA 30093  
 770-441-5547 Fax: 770-446-0282  
 Contact: VERN SMITH

**Structural Consulting Group, LLC**  
 6520 Shiloh Rd. Suite 330  
 Lawrenceville, GA 30046  
 Phone: (770) 962-8800 Fax: (770) 962-8800  
 SCG Project No. 0912011


  
 JOHN FLANNIGAN  
 08-01-11

KEY PLAN	Revision	Description	Date
1	1	As Issued	4/15/11
2	2	Addressing 4' & 6' - 0" condition	4/15/11
3	3	City Review Comments	4/17/11
4	4	Addressing 2	2/21/11
5	5	Addressing 1	2/10/11

**STRUCTURAL NOTES & WALL ELEVATIONS**  
**S1.0.1**

Sheet Number: \_\_\_\_\_  
 Drawing Title: \_\_\_\_\_  
 Scale: \_\_\_\_\_  
 Date: AUGUST 1, 2011  
 Professional of Record: \_\_\_\_\_  
 Professional Registration No.: GA 3015

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Final Construction Set, August 1, 2011





**SCHEDULE OF SPECIAL INSPECTION SERVICES**

PROJECT	SERVICE	APPLICABLE TO THIS PROJECT		
		Y/N	EXTENT	AGENT DATE COMPLETED
<b>1704.2 Inspection of Fabrications</b>	In-plant review	Y	Periodic	In-plant
<b>1704.3 Steel Construction</b>				
Material verification of high-strength bolts, nuts, and washers.	Review material markings and certificates of compliance	Y	Periodic	1
Inspection of high-strength bolting:	Field inspection	Y	Periodic	1
a. Bearing-type connections		Y	Periodic	1
Material verification of structural steel:				
a. Identification markings	Field inspection	Y	Periodic	1
b. Certified mill tests	Review submittals	Y	Each submittal	1
Weld filler materials:	Review certificate of compliance and feed verification	Y	Periodic and each submittal	1
Structural steel welding:	Stop and field inspection			
a. Complete and partial penetration groove welds		N	Continuous	
b. Multi-pass fillet welds		N	Continuous	
c. Single-pass fillet welds > 5/16"		N	Continuous	
d. Single-pass fillet welds ≤ 5/16"		Y	Periodic	1
e. Floor and deck welds		N	Periodic	
Reinforcing steel welding:	Stop and field inspection			
a. Verification of weldability of steel other than ASTM A 706		N	Periodic	
b. Reinforcing steel-resisting natural and axial forces in intermediate and special moment frames, and boundary elements of special concrete shear walls, and shear reinforcement		N	Continuous	
c. Shear reinforcement		N	Continuous	
d. Other reinforcing steel		N	Periodic	
Inspection of steel frame joint details for compliance with approved construction documents:	Field inspection			
a. Details such as bracing & stiffening		Y	Periodic	1
b. Member locations		Y	Periodic	1
c. Application of joint details at each connection		Y	Periodic	1
<b>1704.4 Concrete Construction</b>				
Inspection of reinforcing steel installation:	Field inspection	Y	Periodic	1
Inspection of cast-in-place bolts prior to and during placement of concrete where allowed (loads have been increased per BC section 1912.5)	Field inspection			
Verification of required design mix.	Review submittals	Y	Periodic	1
Fresh concrete sampling.	Field testing	Y	Continuous	SCG
Inspection of concrete and shotcrete placement for proper application techniques	Field review	Y	Continuous	1
Concrete curing operations.	Field review	Y	Periodic	1
Evaluation of concrete strength.	Field testing and review of laboratory reports	Y	Periodic	SCG
Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic	1
<b>1704.5 Masonry Construction</b>				
Verify proportions of site prepared mortar, grout and prestressing grout for bonded tendons.	Field and substantial review	N	Periodic	
Verify construction of mortar joints.	Field inspection	Y	Periodic	1
Verify size and location of structural masonry elements.	Field and substantial review	Y	Periodic	1
Verify type, size, and location of anchors, including details of anchorage of masonry to structural members, frames, or other construction.	Field inspection	Y	Level 1 - Periodic Level 2 - Continuous	1
Verify size, grade, and type of reinforcement.	Field inspection	Y	Periodic	1
Verify welding of reinforcing bars.	Field inspection	Y	Continuous	1
Verify protection of masonry during inclement weather.	Field inspection	Y	Periodic	1
Verify grout space is clean prior to grouting.	Field inspection	Y	Continuous	1
Verify grout placement complies with code and construction document provisions.	Field inspection	Y	Continuous	1
Observe preparation of grout specimens, mortar specimens, and/or prisms.	Field inspection	Y	Continuous	1
Verify compliance with required testing provisions of construction documents and the approved submittals.	Field inspection	Y	Periodic	1



City of Decatur, Georgia  
**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

**OLIVER HOUSE**  
 Commerce Drive  
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ALLEN WILSON

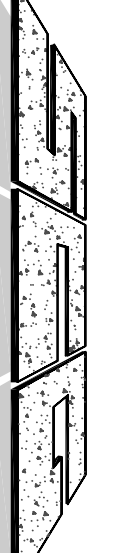


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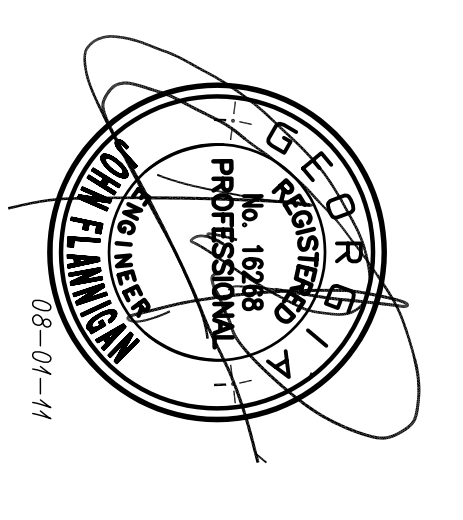
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 T: 404.233.4861 | F: 404.233.7361 | LIC. NO. AA 0002442  
 E: info@hadp.com | www.hadparchitect.com

**STRUCTURAL CONSULTING GROUP**  
 6259 SHILOH RD. SUITE 330  
 ATLANTA, GA 30328  
 Phone: 770.448.2400  
 Fax: 770.448.2400  
 Contact: JOHN FANNINGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shepherd Road, Suite 200  
 Norcross, GA 30093  
 770.447.5547 Fax: 770.448.0292  
 Contact: VERN SMITH



**Structural Consulting Group, LLC**  
 6250 Shiloh Road, Suite 330  
 Atlanta, GA 30328  
 Phone: (770) 513-4242 Fax: (770) 513-4232  
 SCG Project No. 0912011

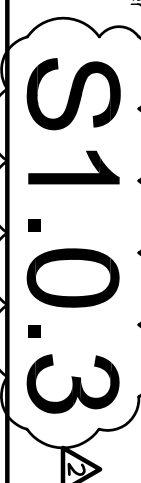


KEY PLAN

Revision	Date	Description
Δ	4/15/11	Addendum#4 & Co-ordination
Δ	4/1/11	City Review Comments
Δ	2/21/11	Addendum#2
Δ	2/20/11	Addendum#1

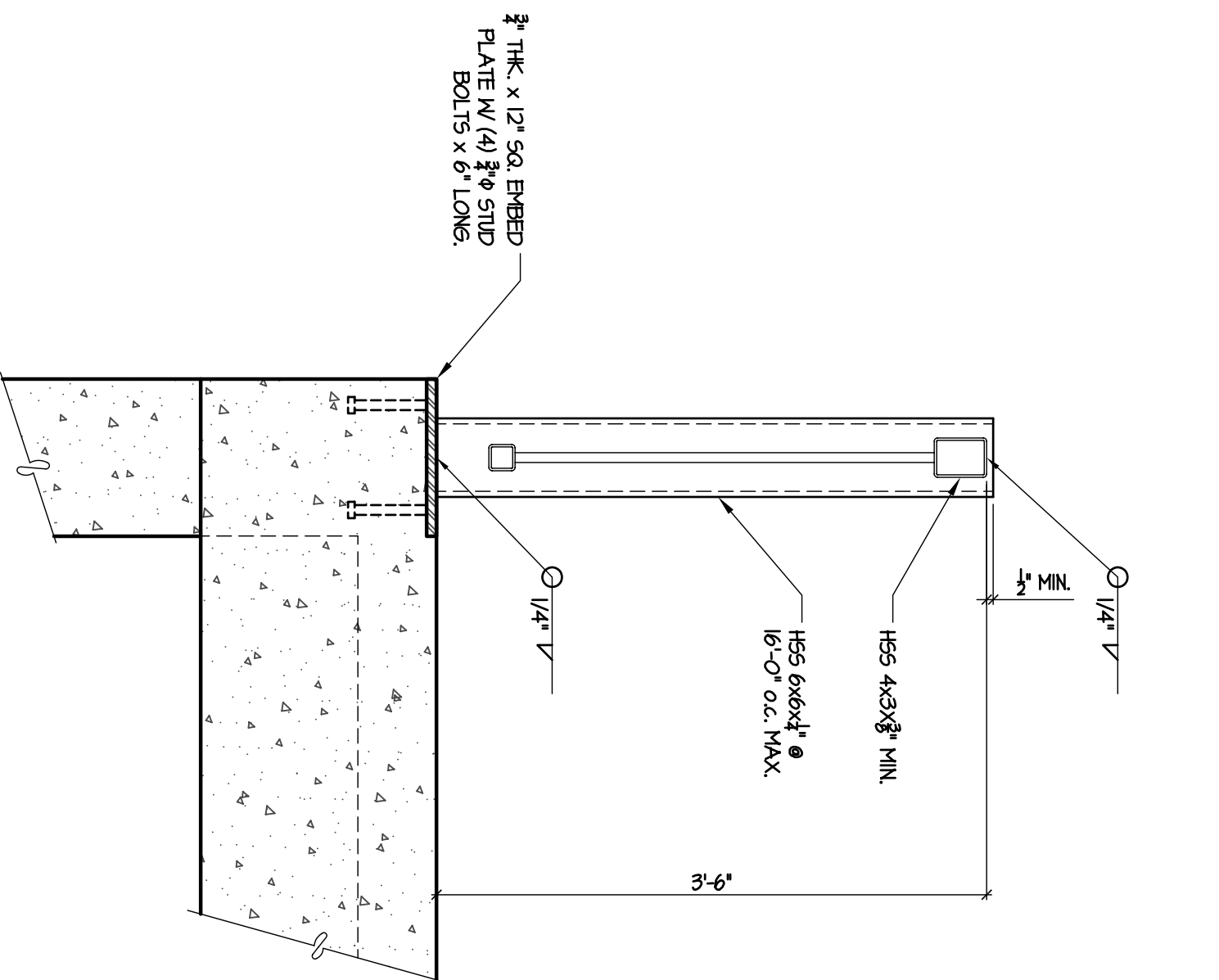
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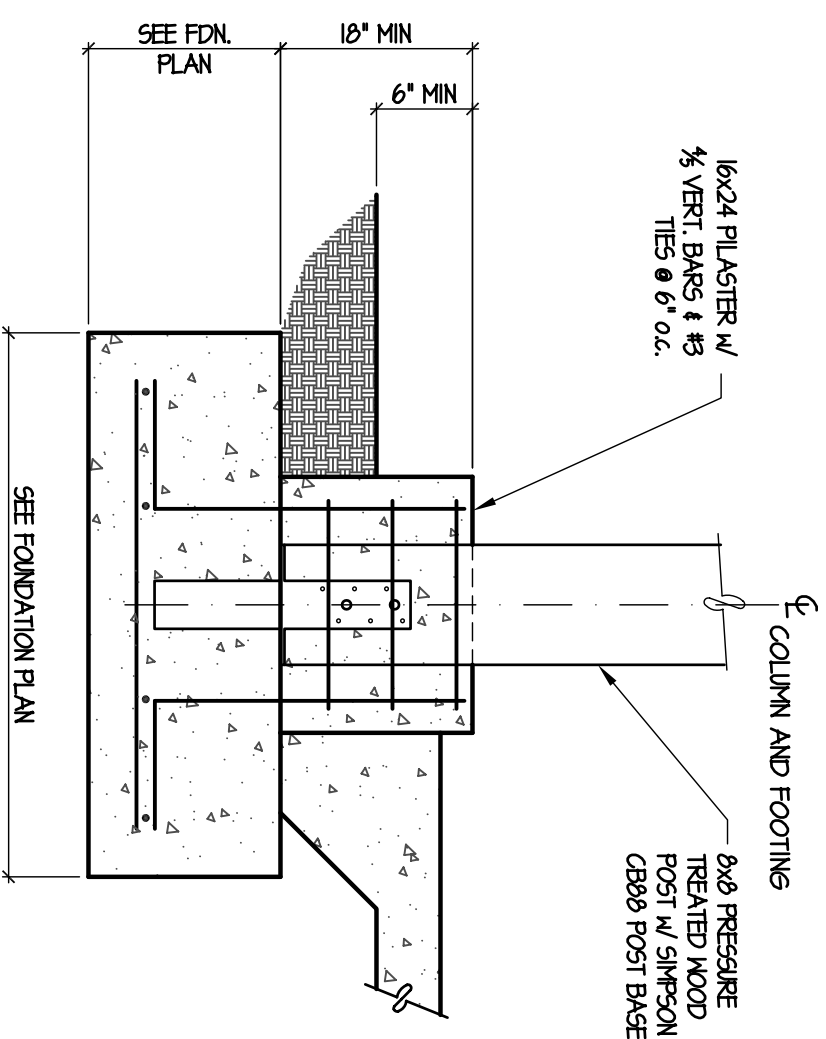


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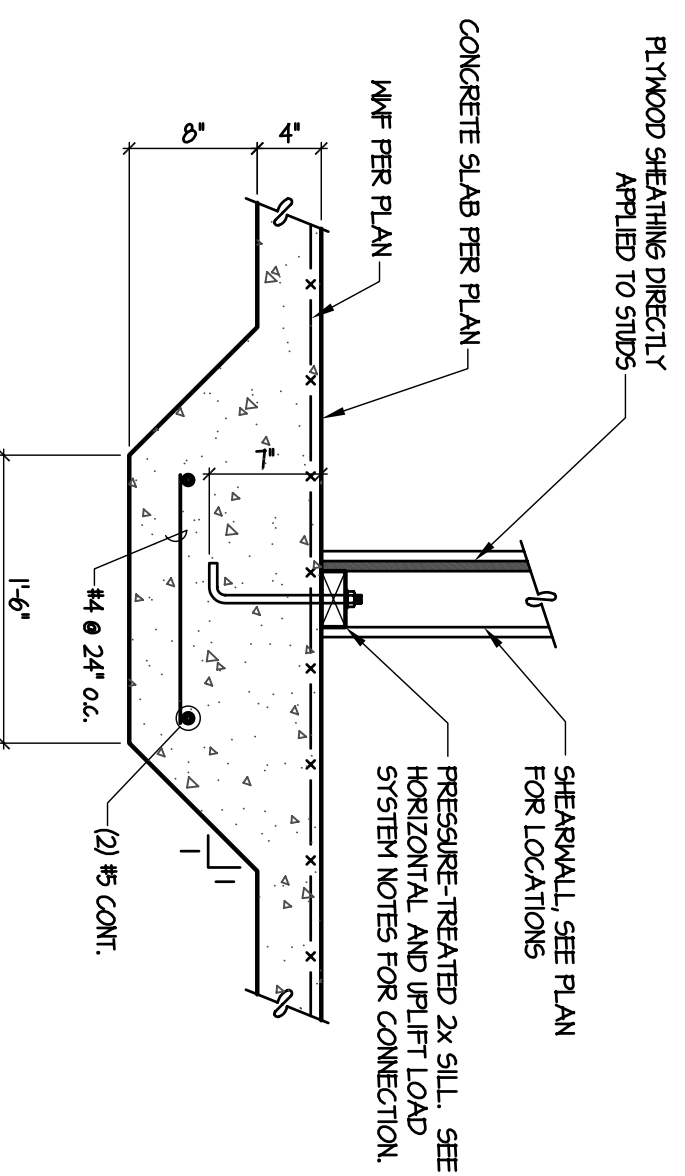
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 Professional Registration No. GA 30151  
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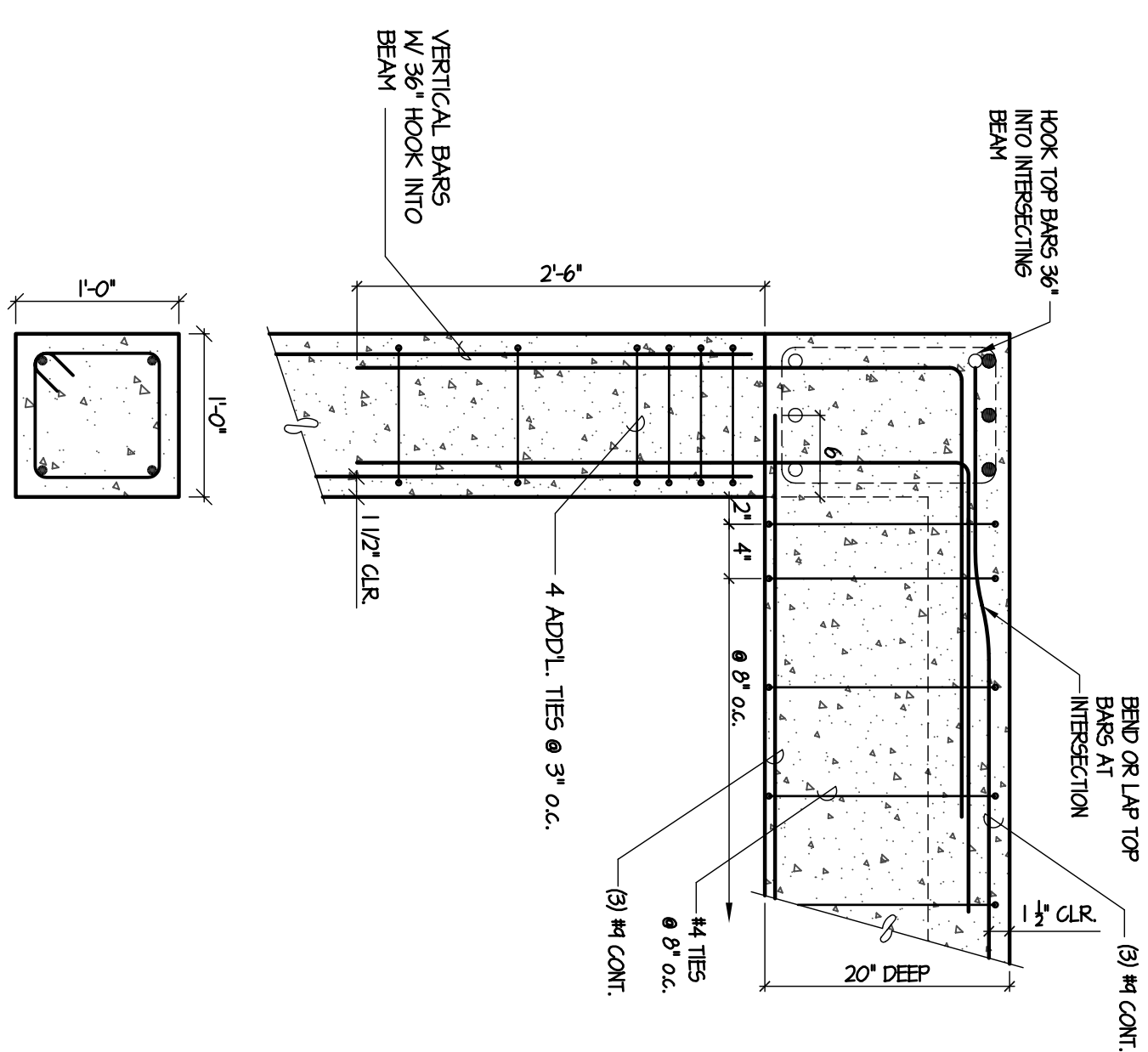
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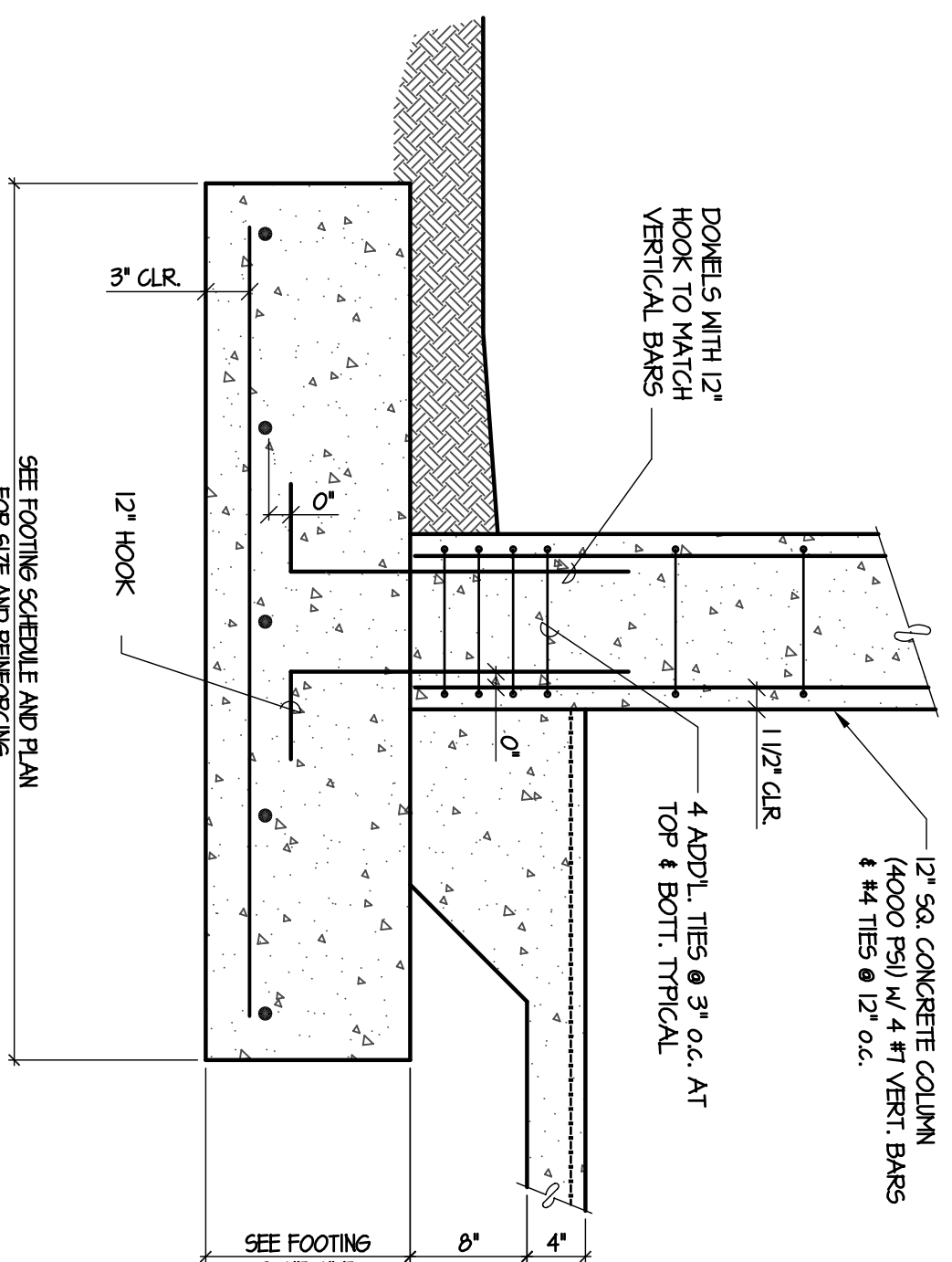
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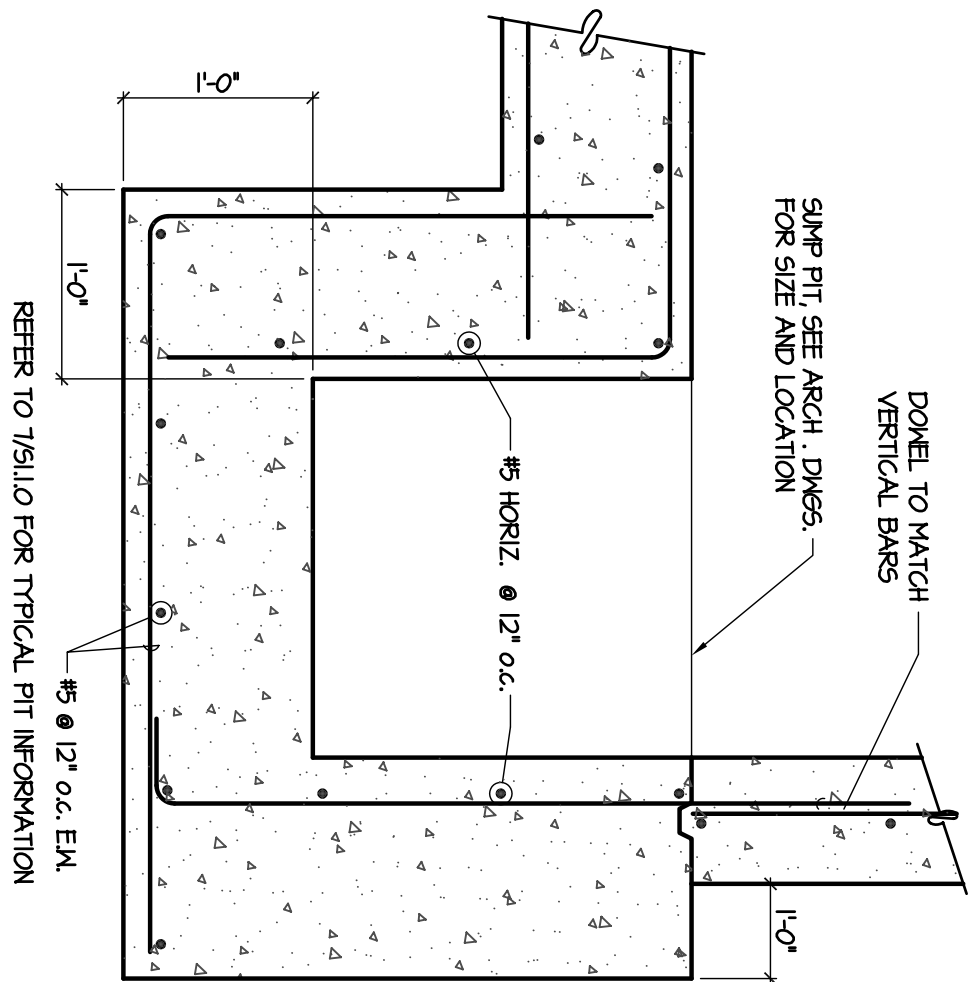
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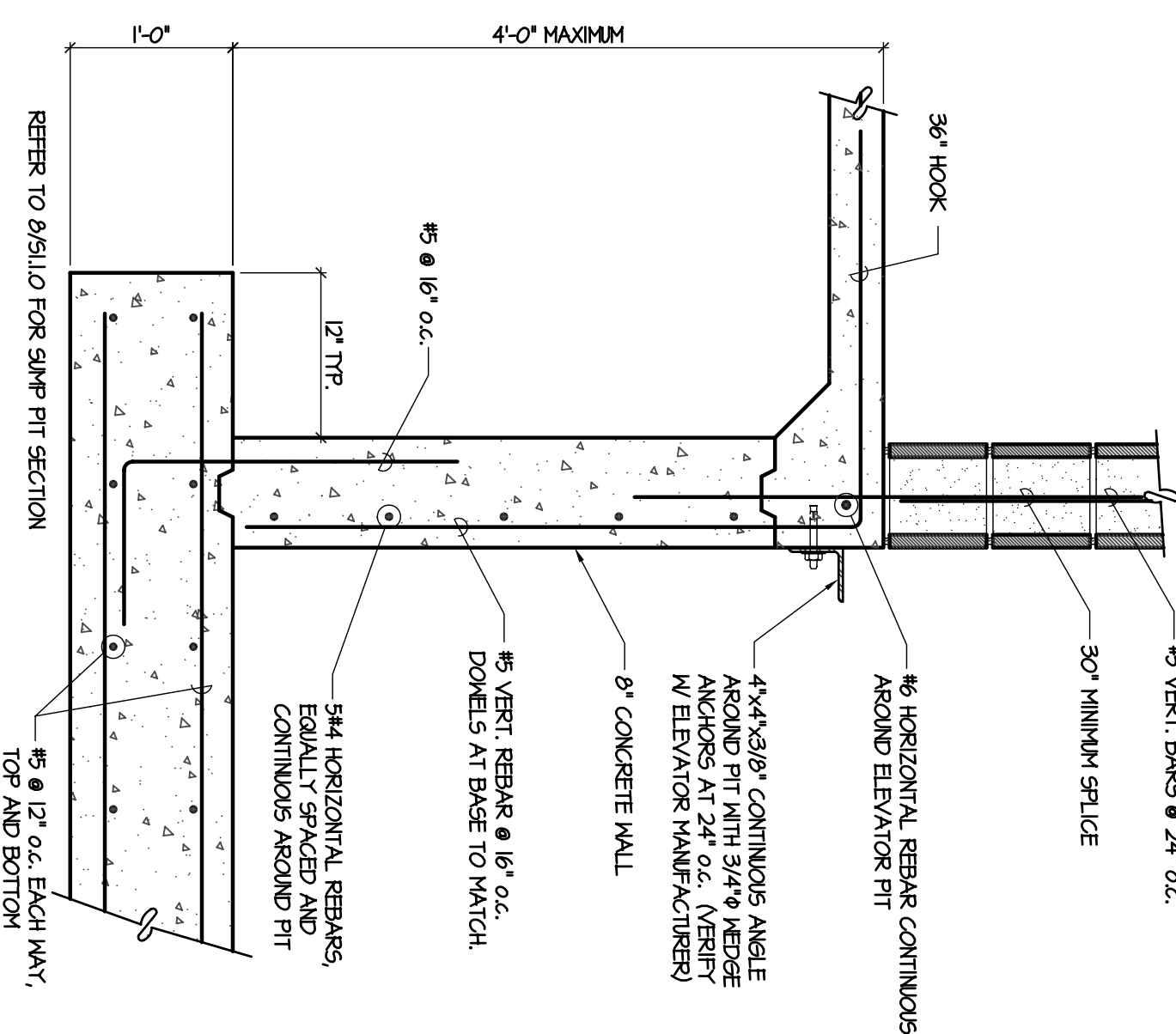
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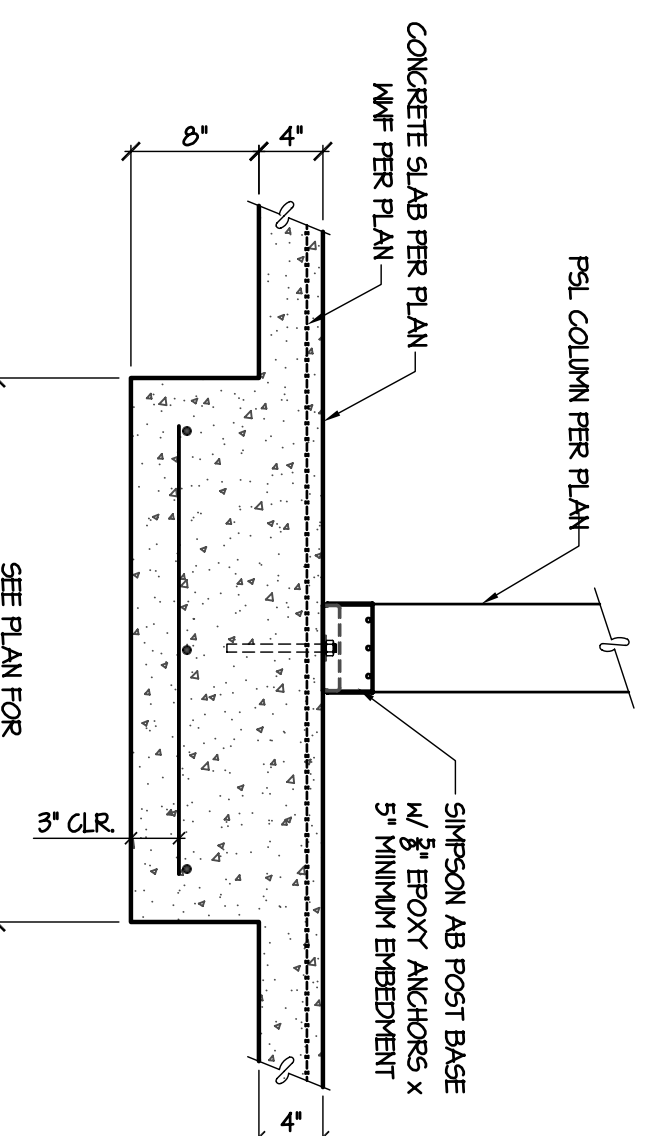
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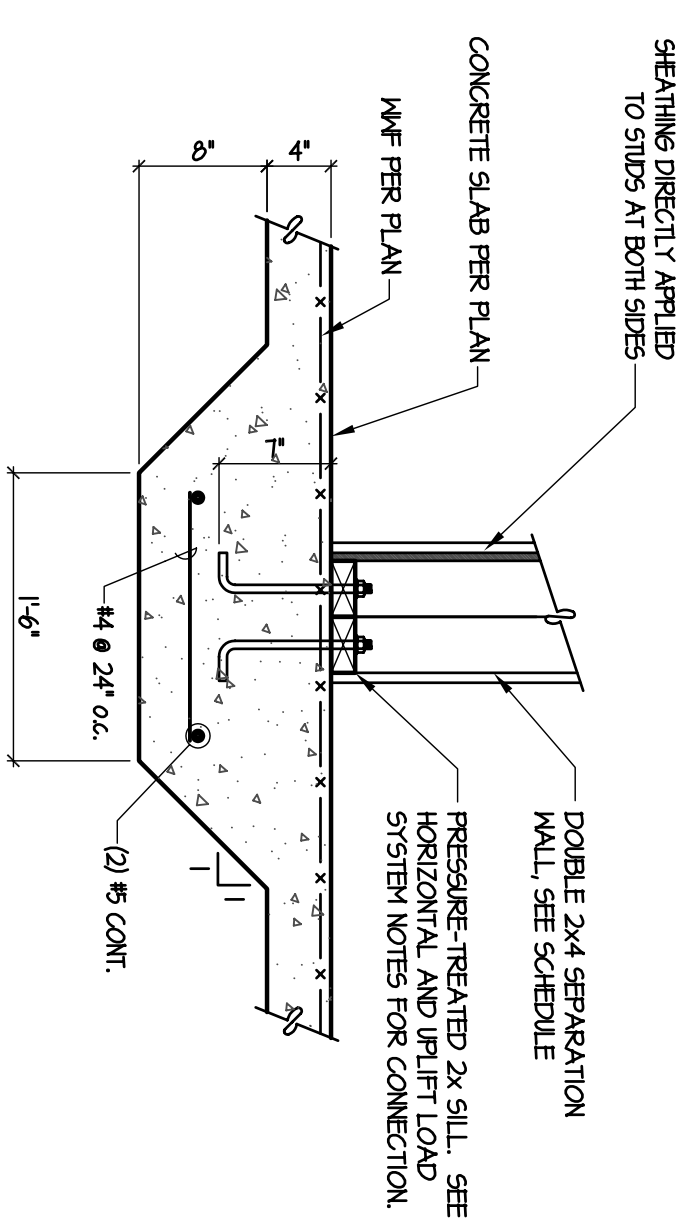
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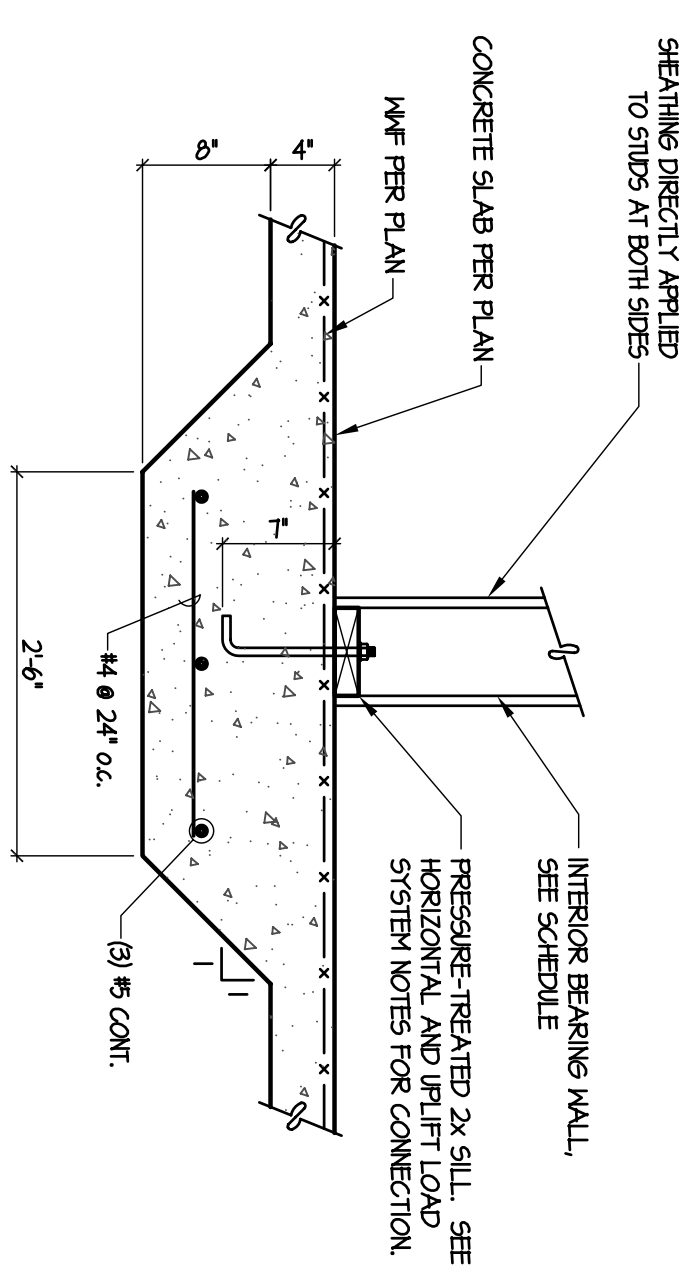
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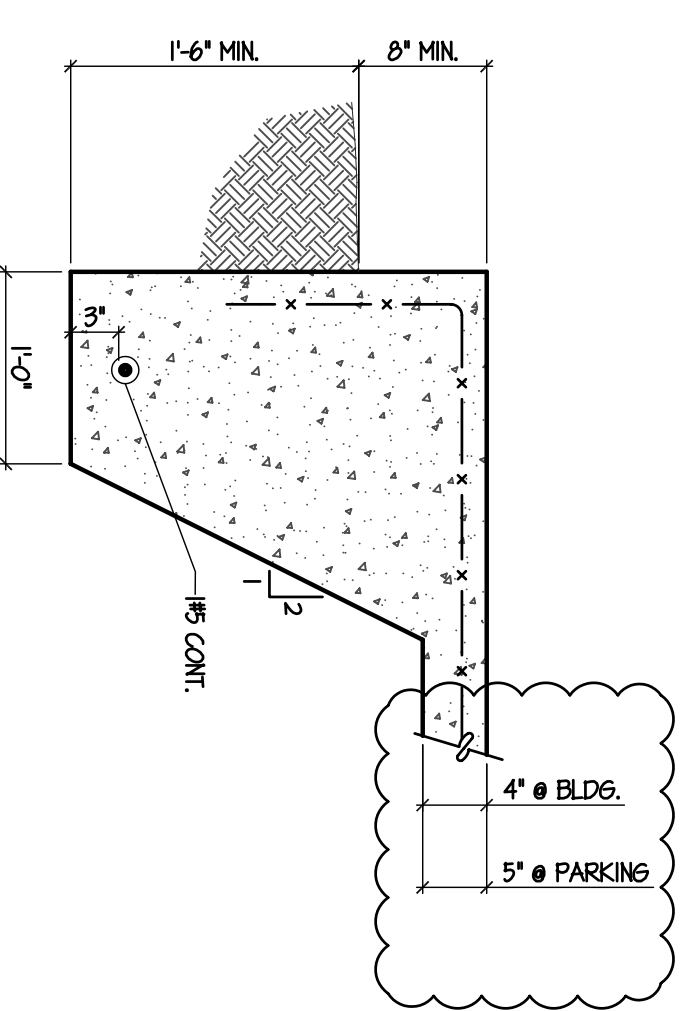
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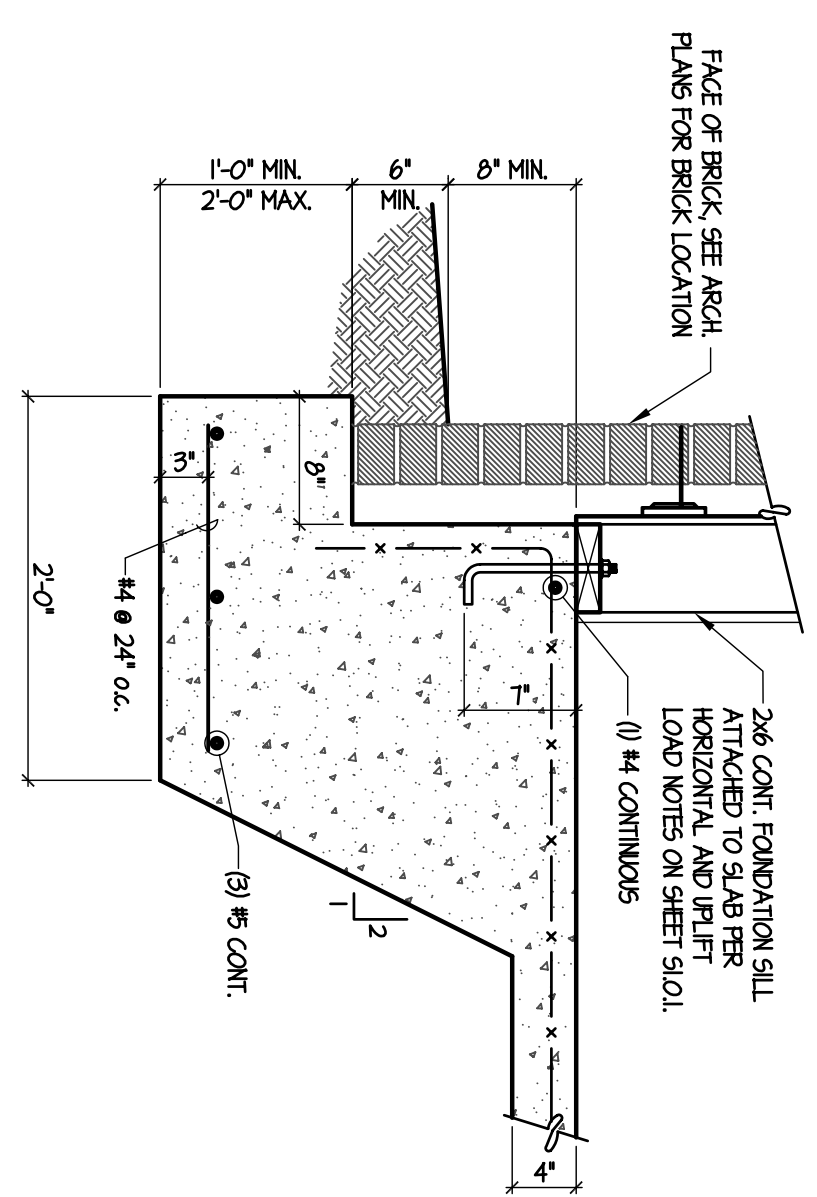
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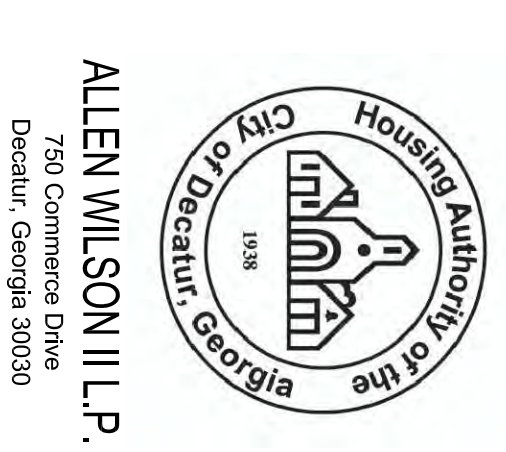
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2 SECTION AT EXTERIOR SLAB EDGE  
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1 SECTION AT EXTERIOR WALL  
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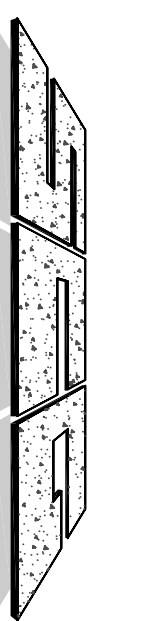


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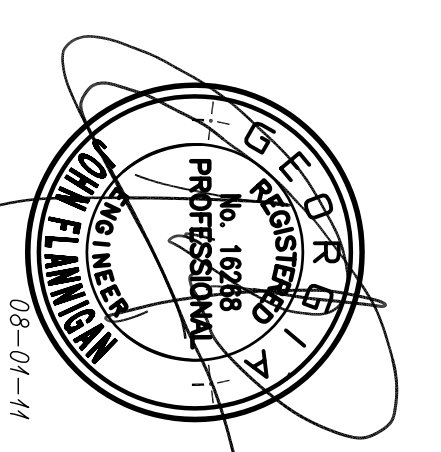
Structural Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6172  
Contact: MARK KILBY

Structural Consulting Group  
6250 SHILOH ROAD, SUITE 330  
ATLANTA, GA 30305  
Phone: 404-526-3000  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing, & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-446-0282  
Contact: VERN SMITH



Structural Consulting Group, LLC  
6250 Shiloh Road, Suite 330  
Atlanta, GA 30305  
Phone: (404) 526-3000  
Fax: (404) 526-3000  
Project No. SCG Project No. 0912011



KEY PLAN

Address#1 & Co-ordination	4/15/11
City Review Comments	4/1/11
Address#2	2/21/11
Address#1	2/10/11
Revision	Date
Project No. AH09132.00	

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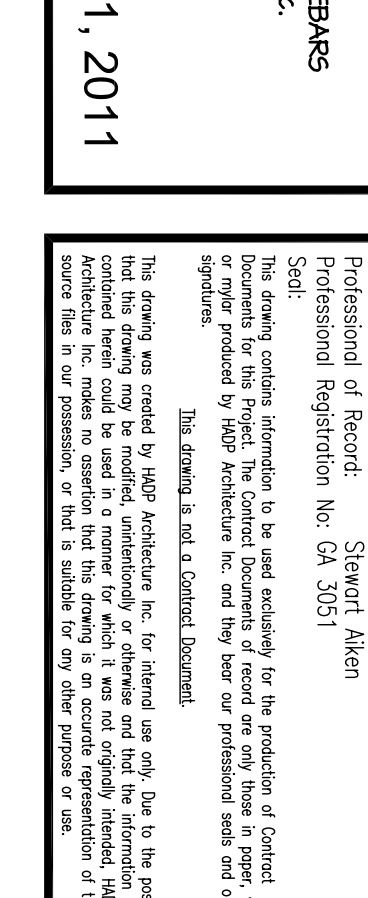
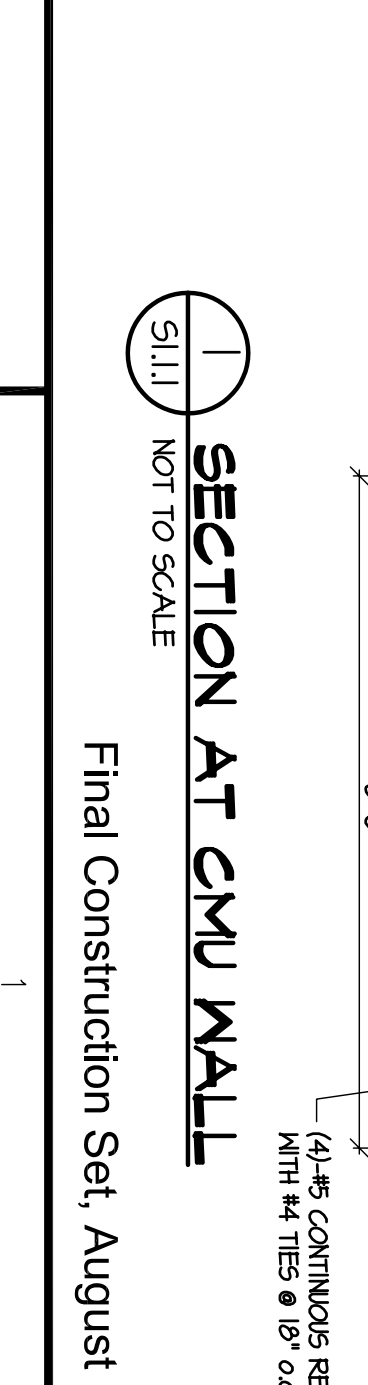
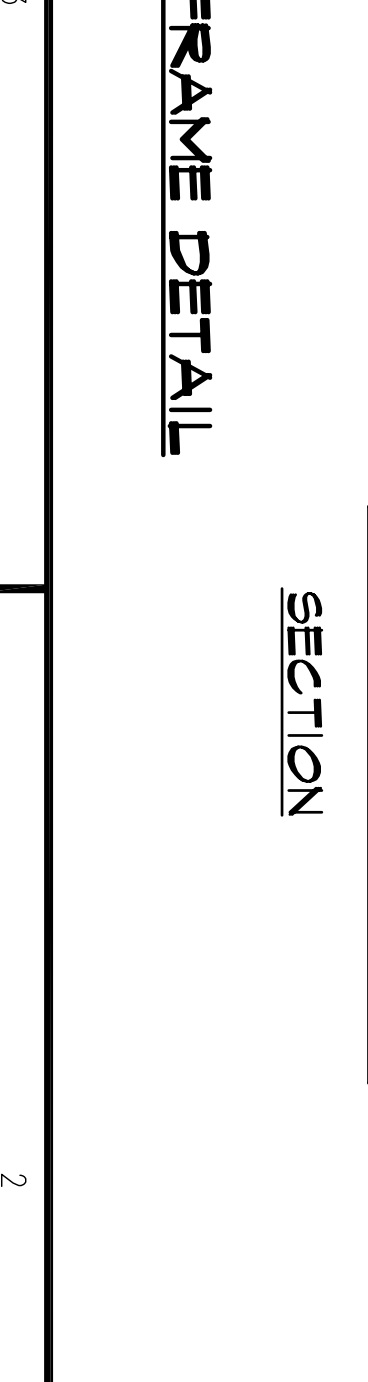
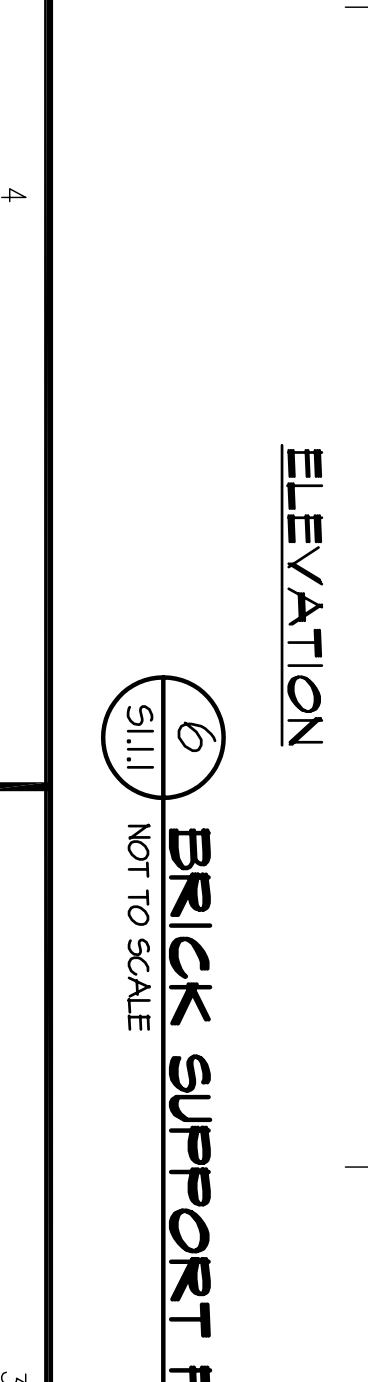
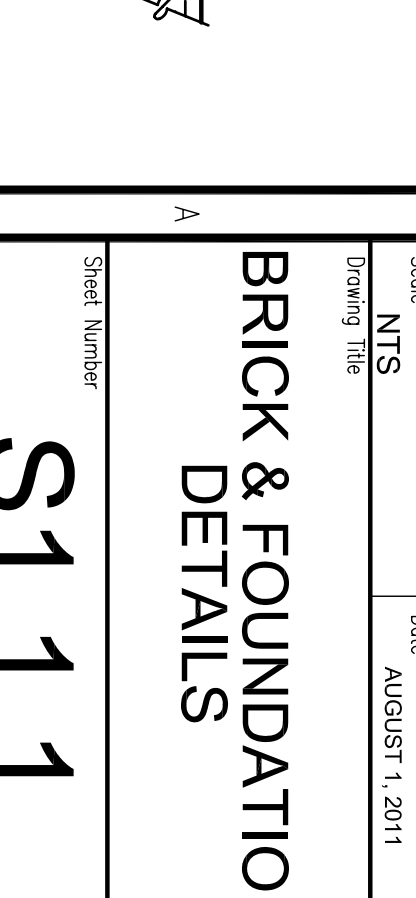
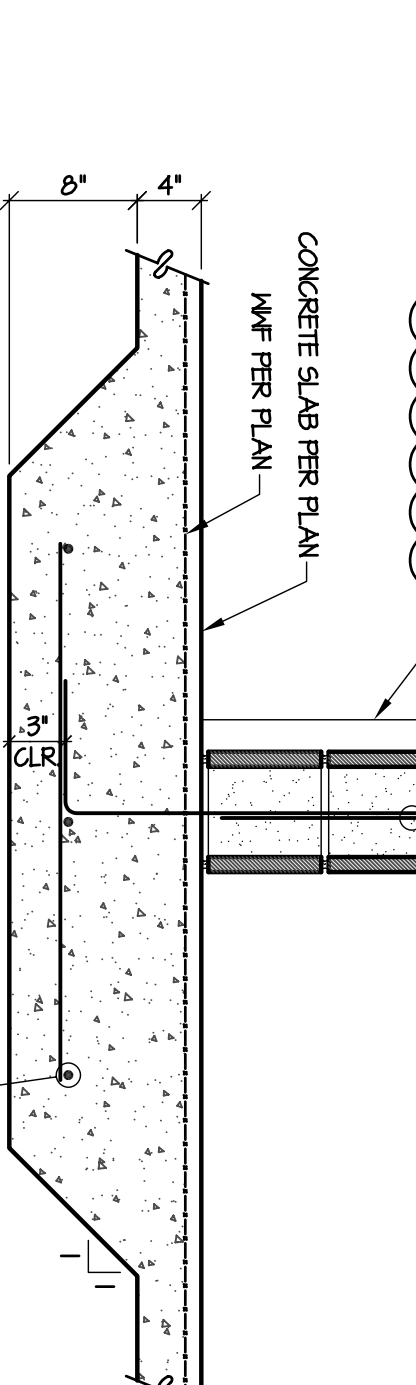
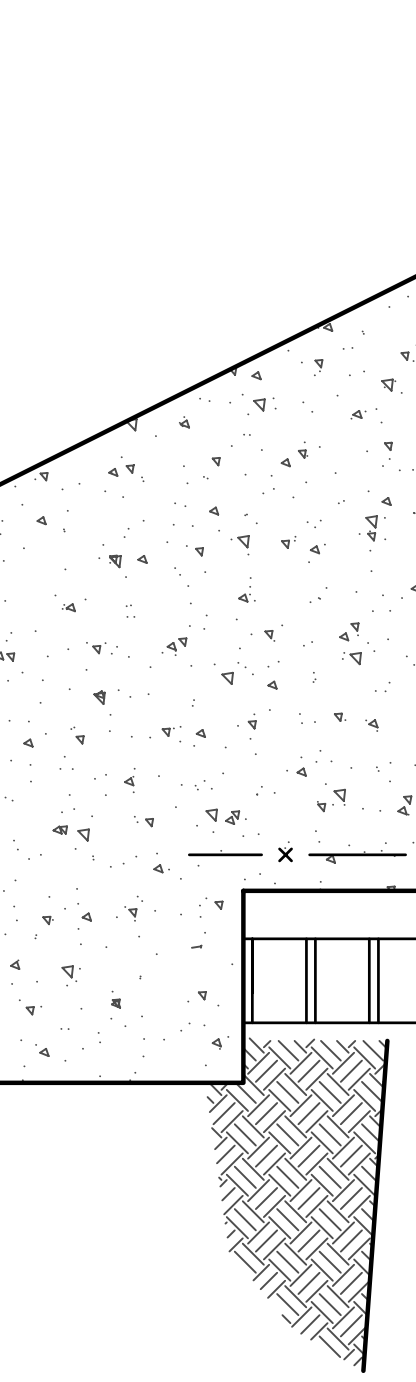
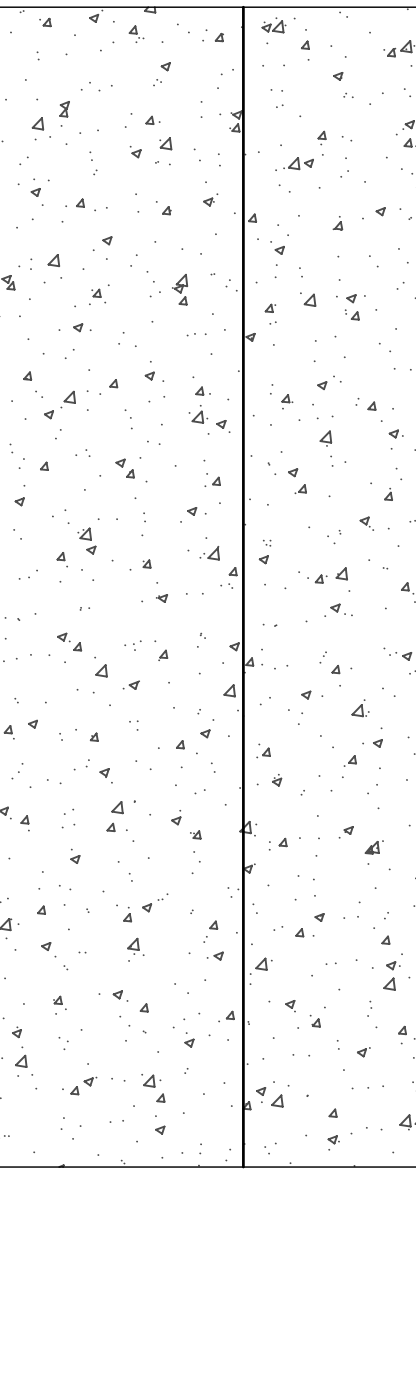
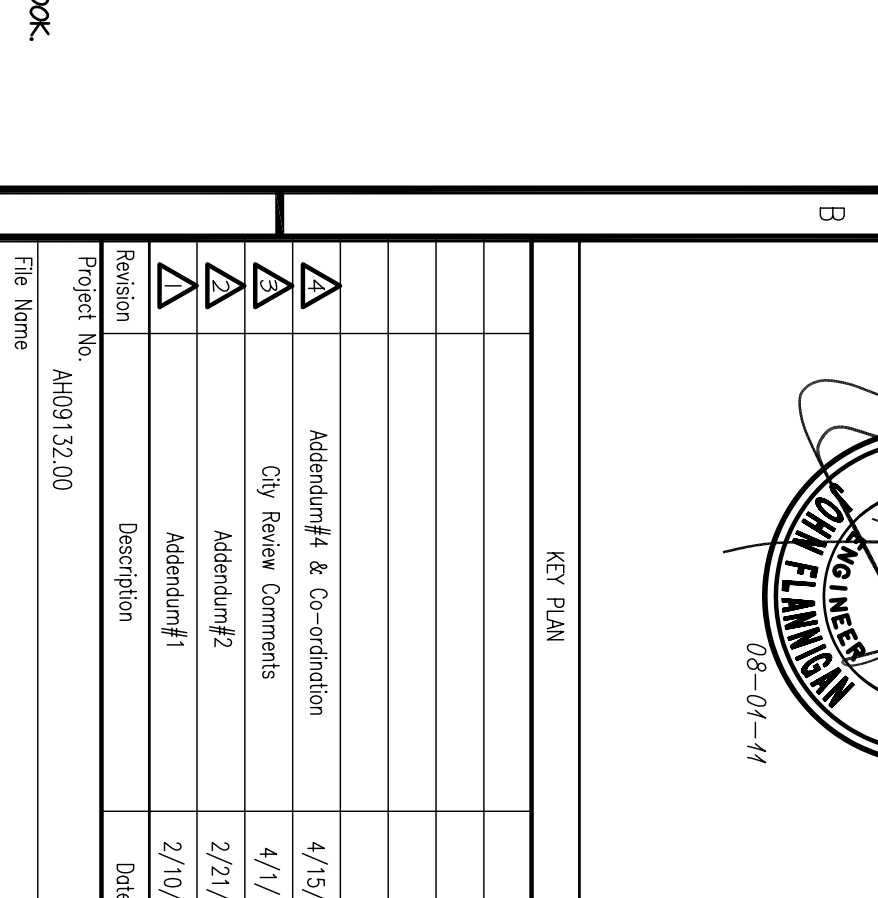
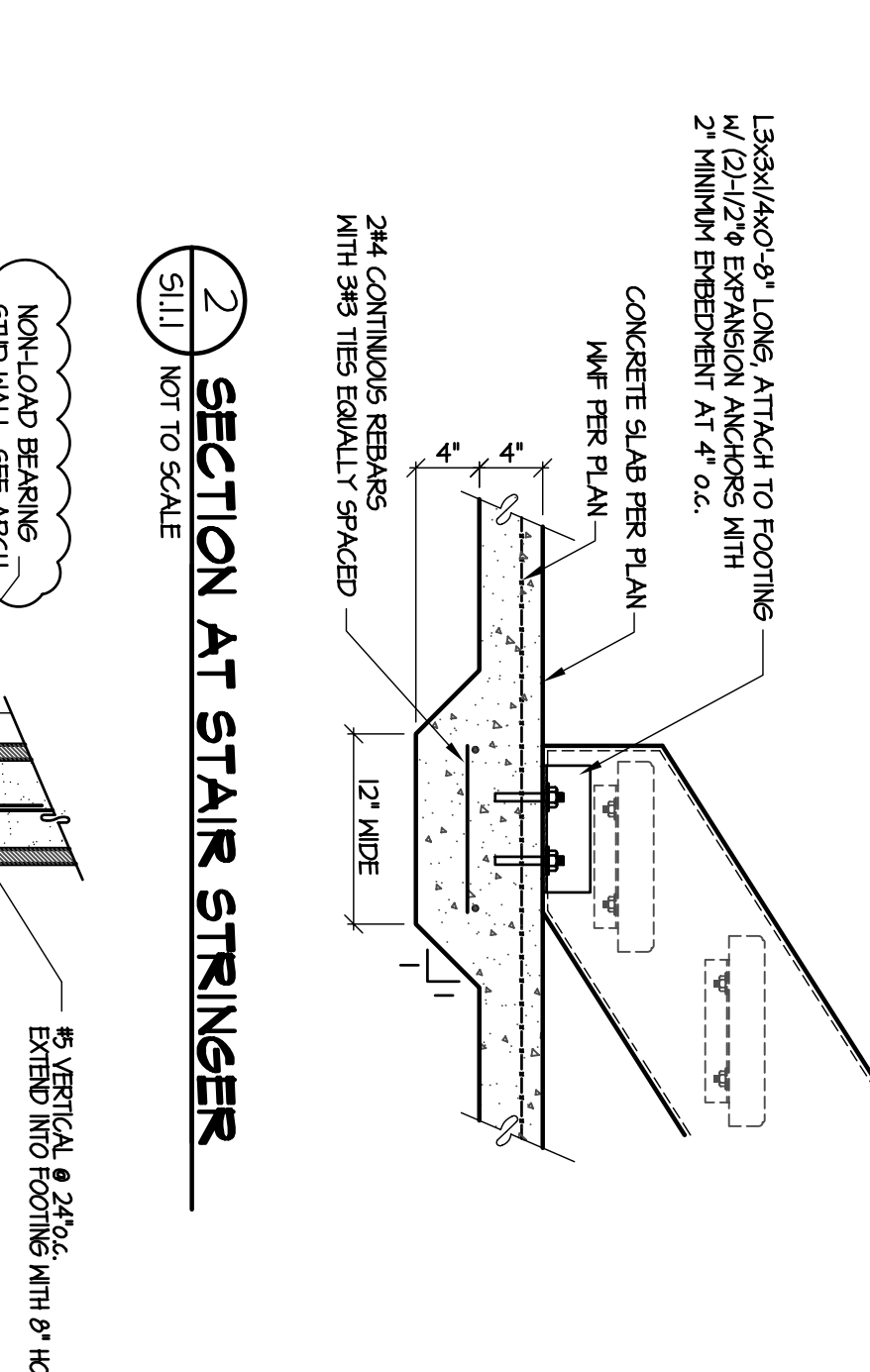
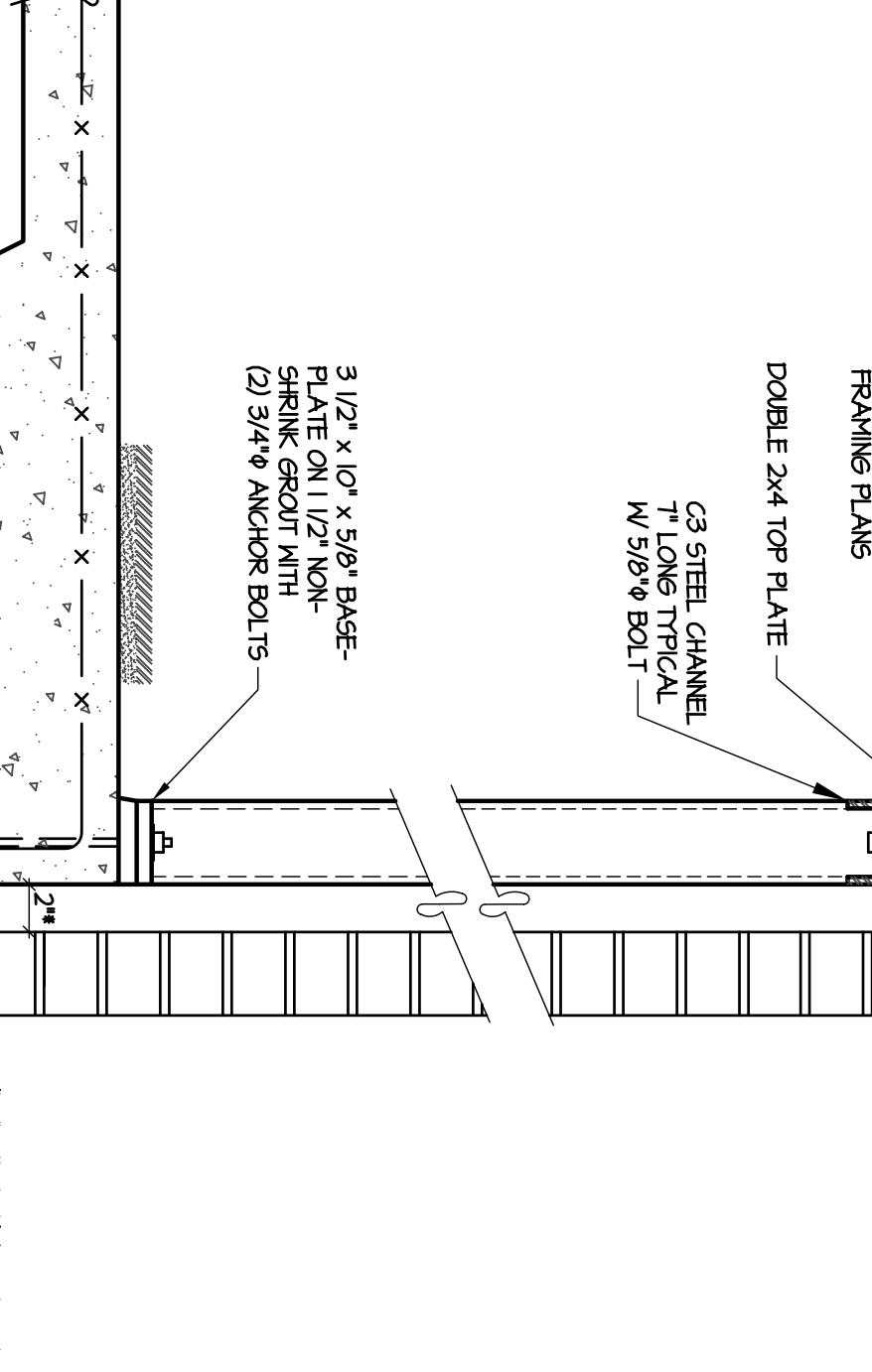
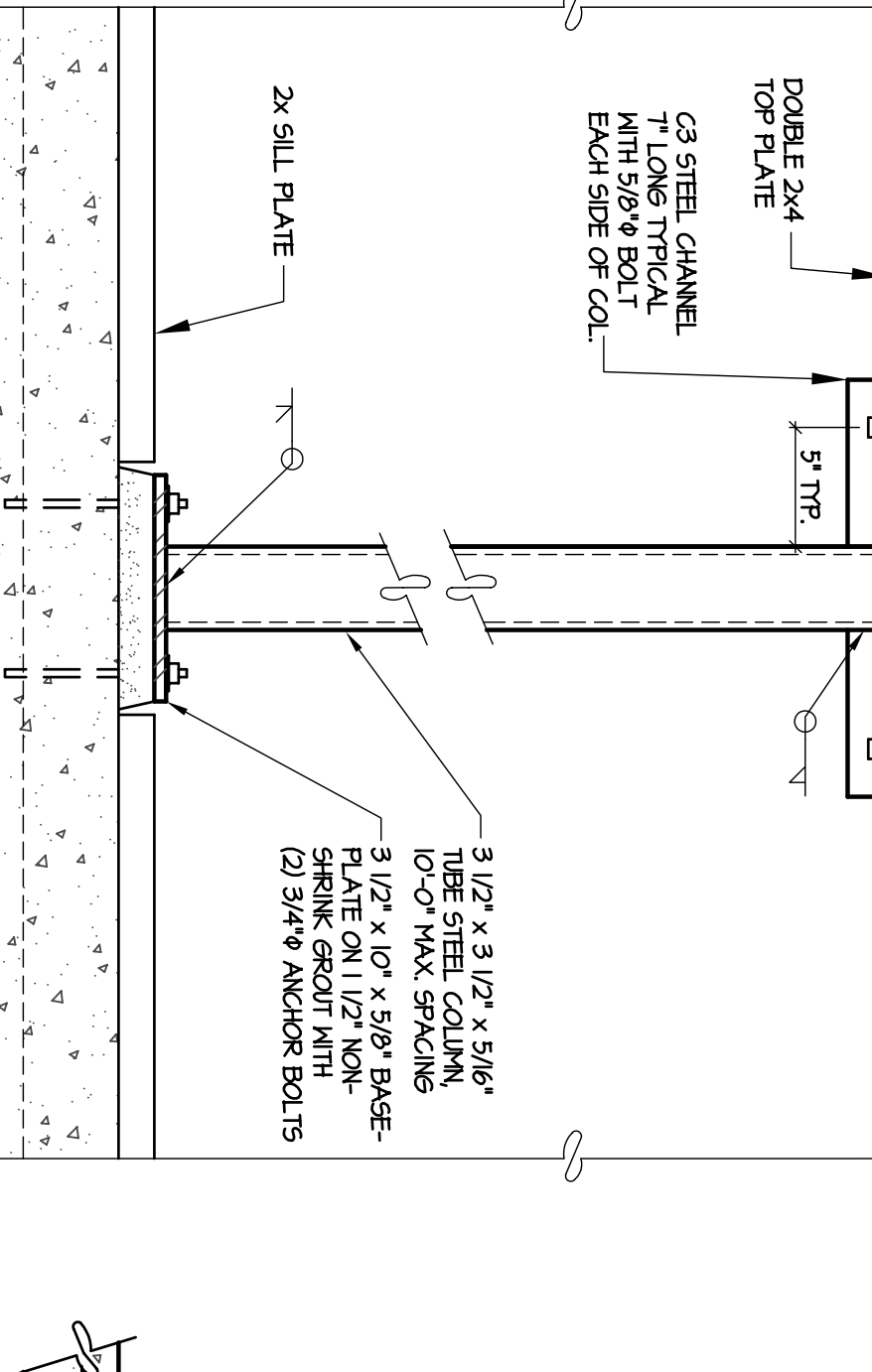
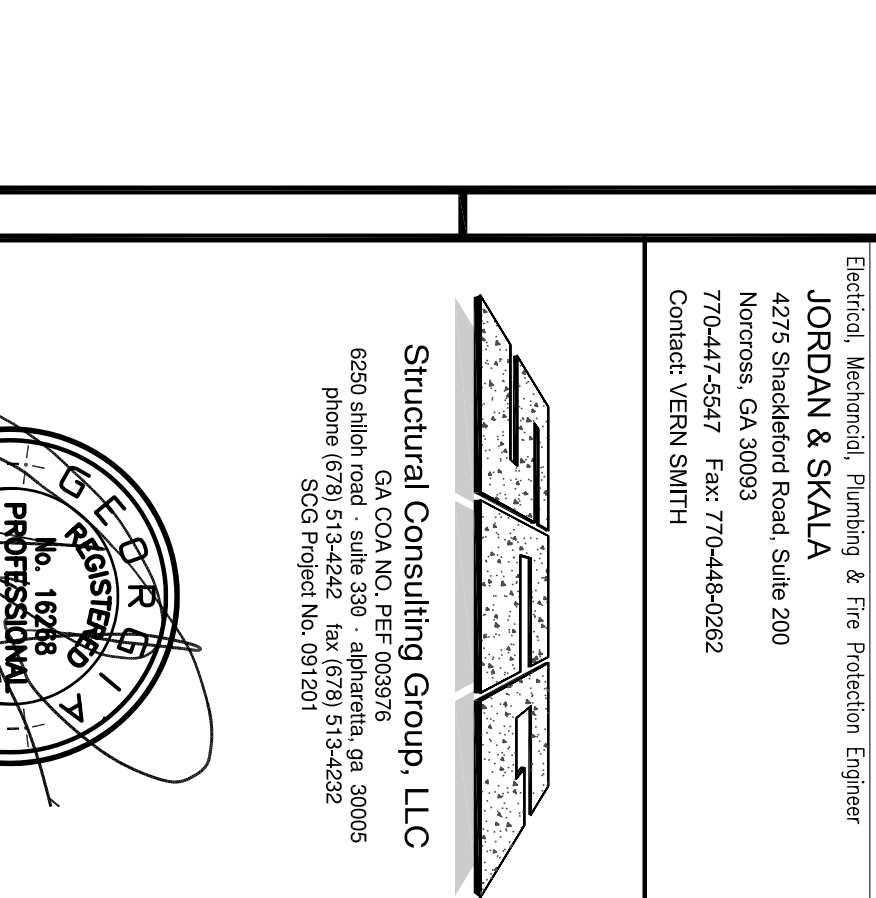
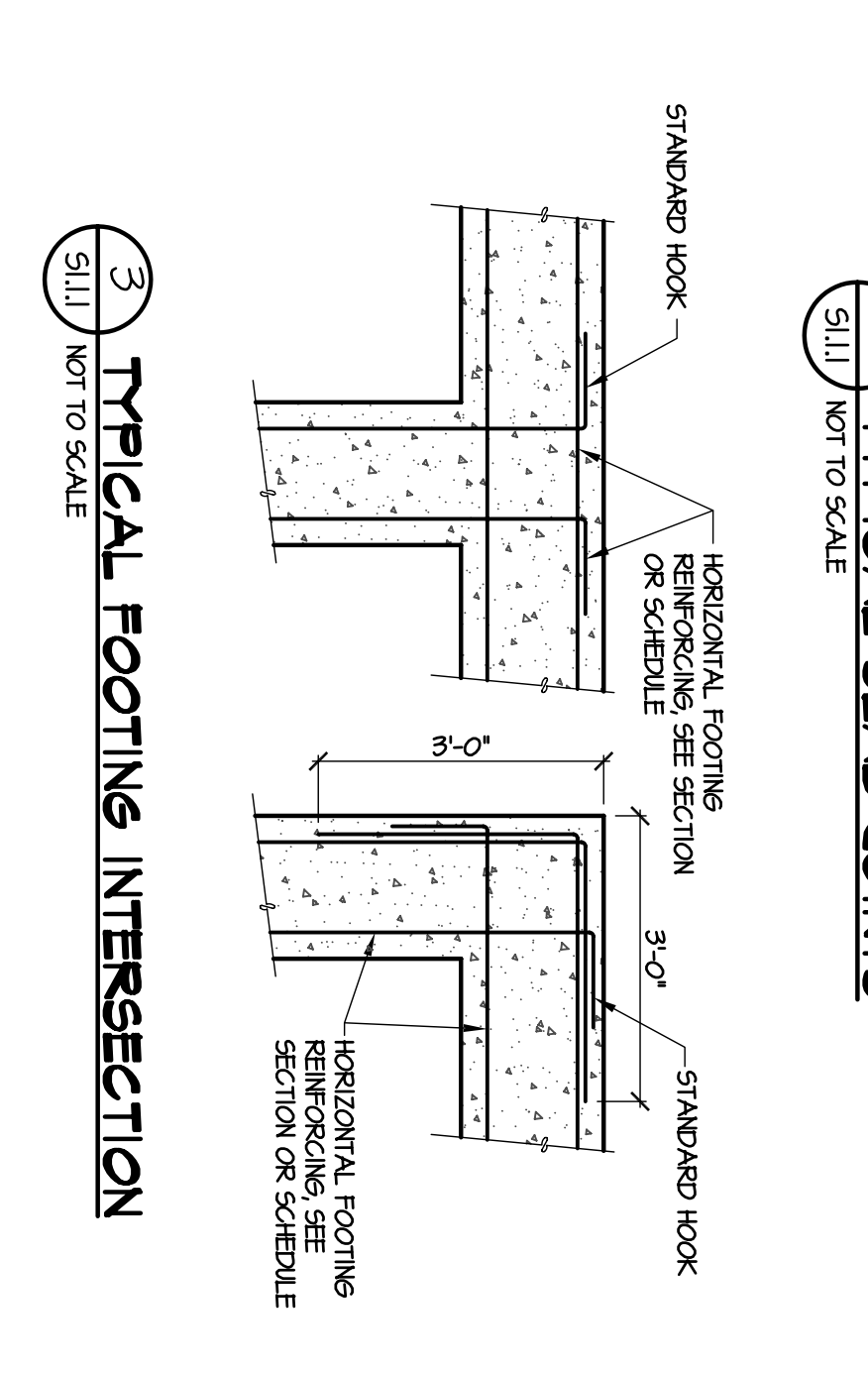
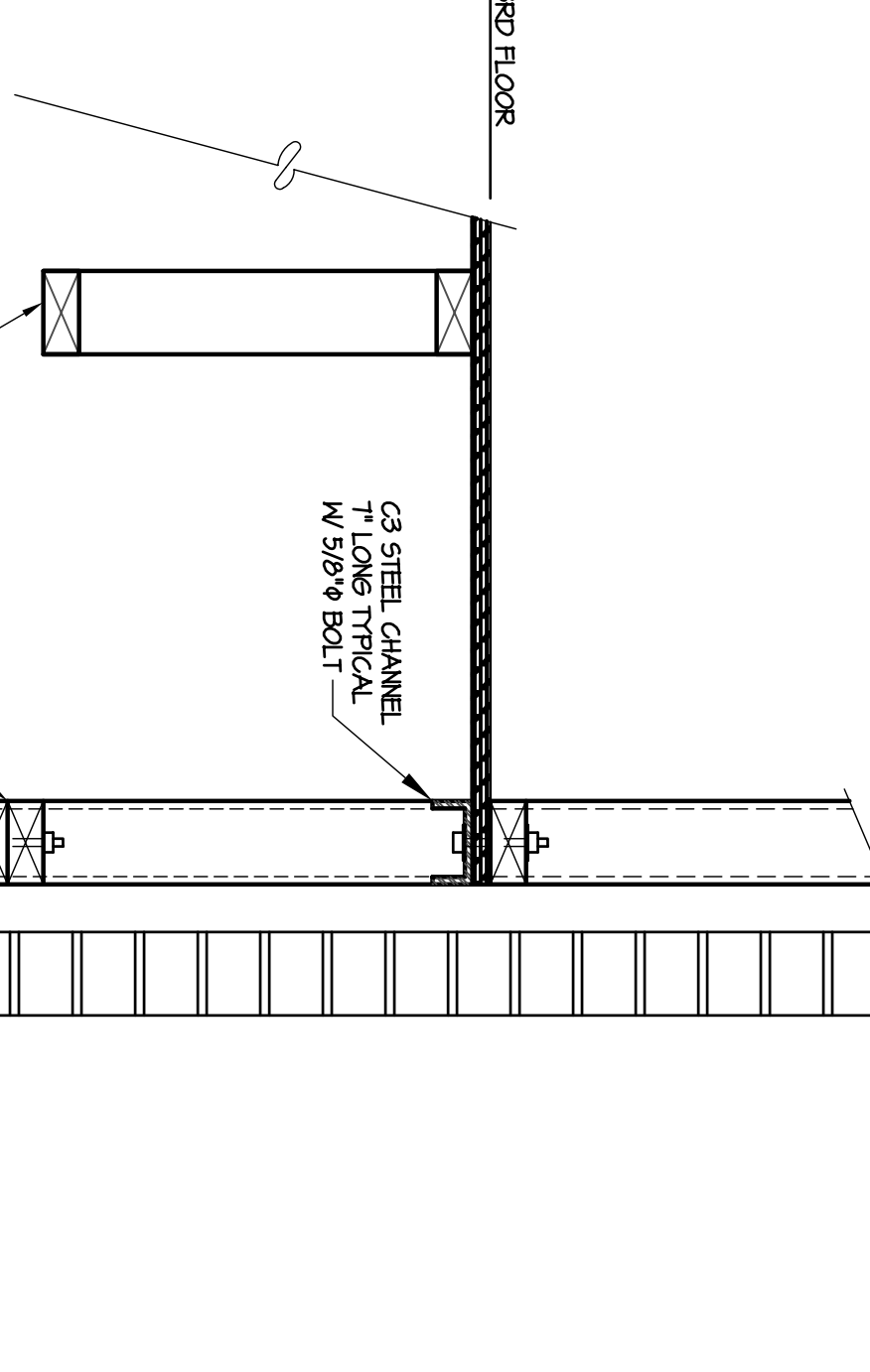
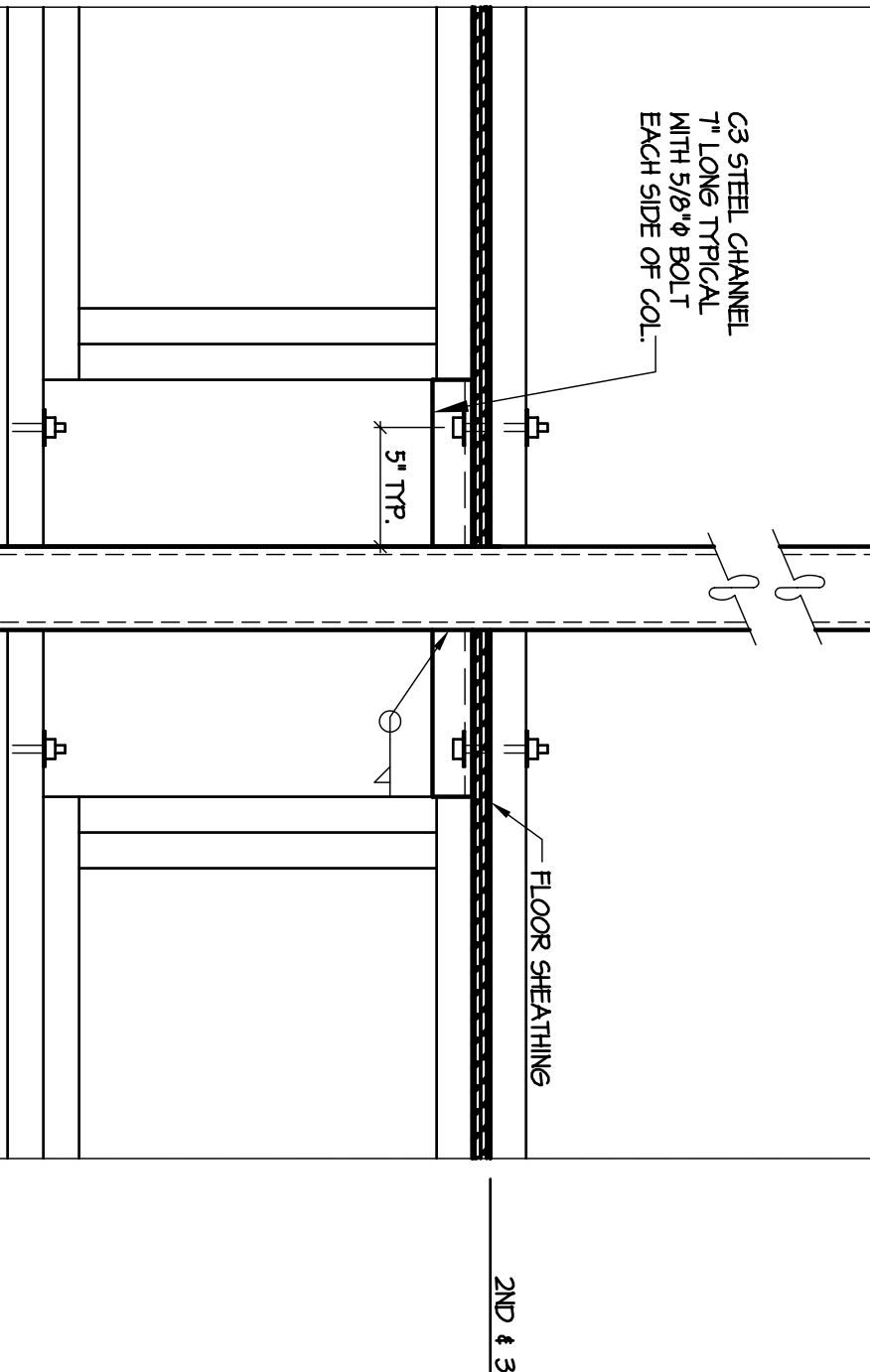
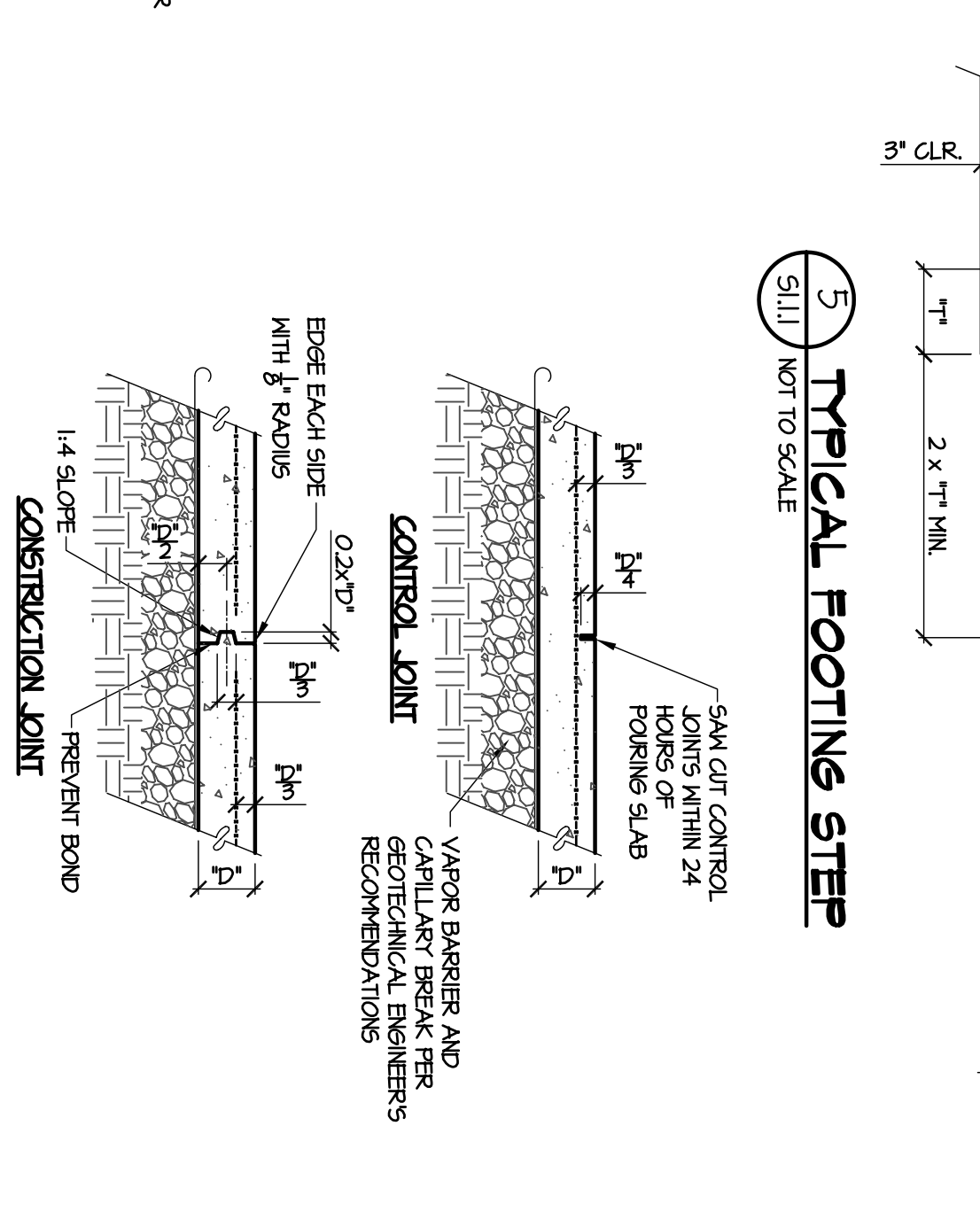
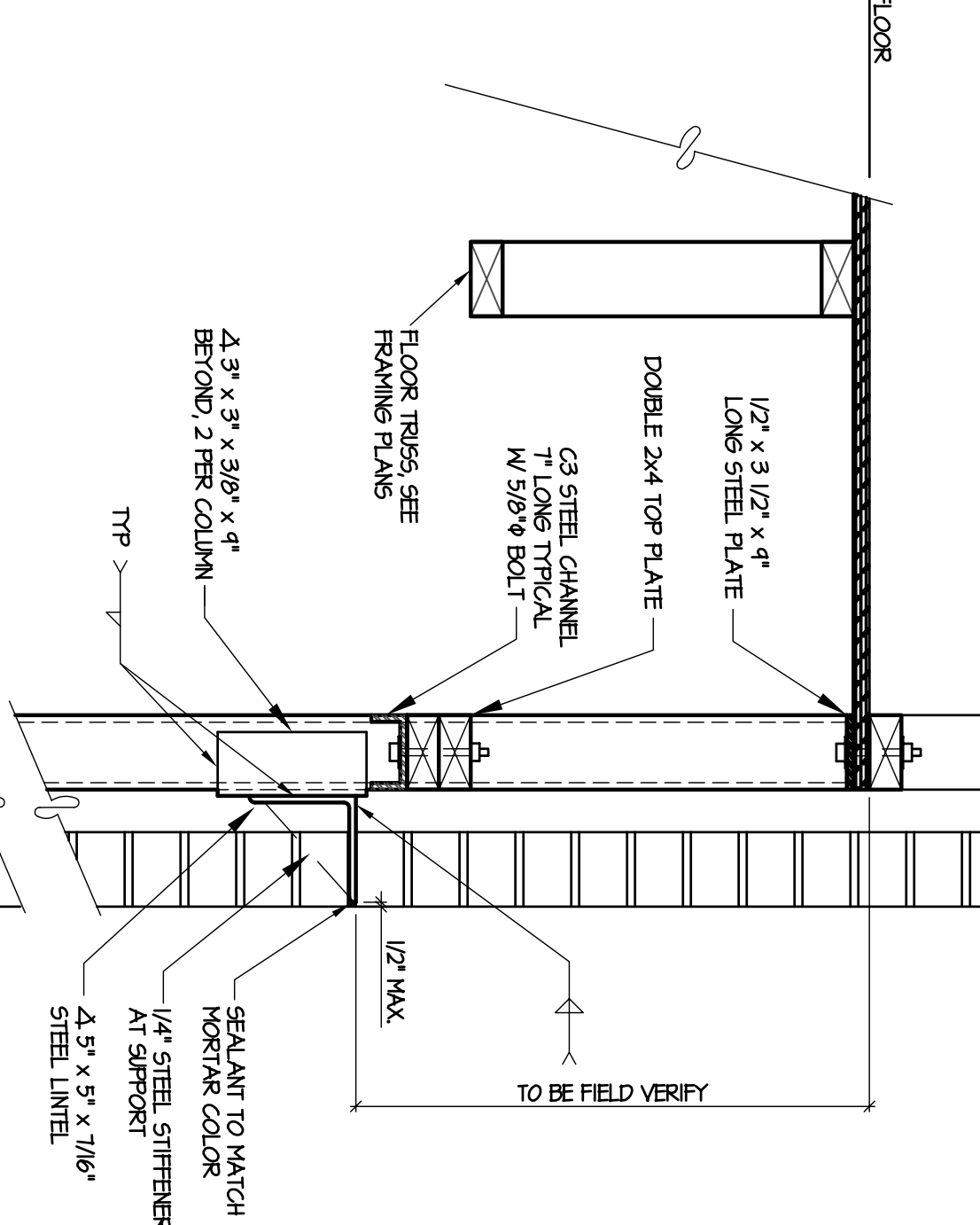
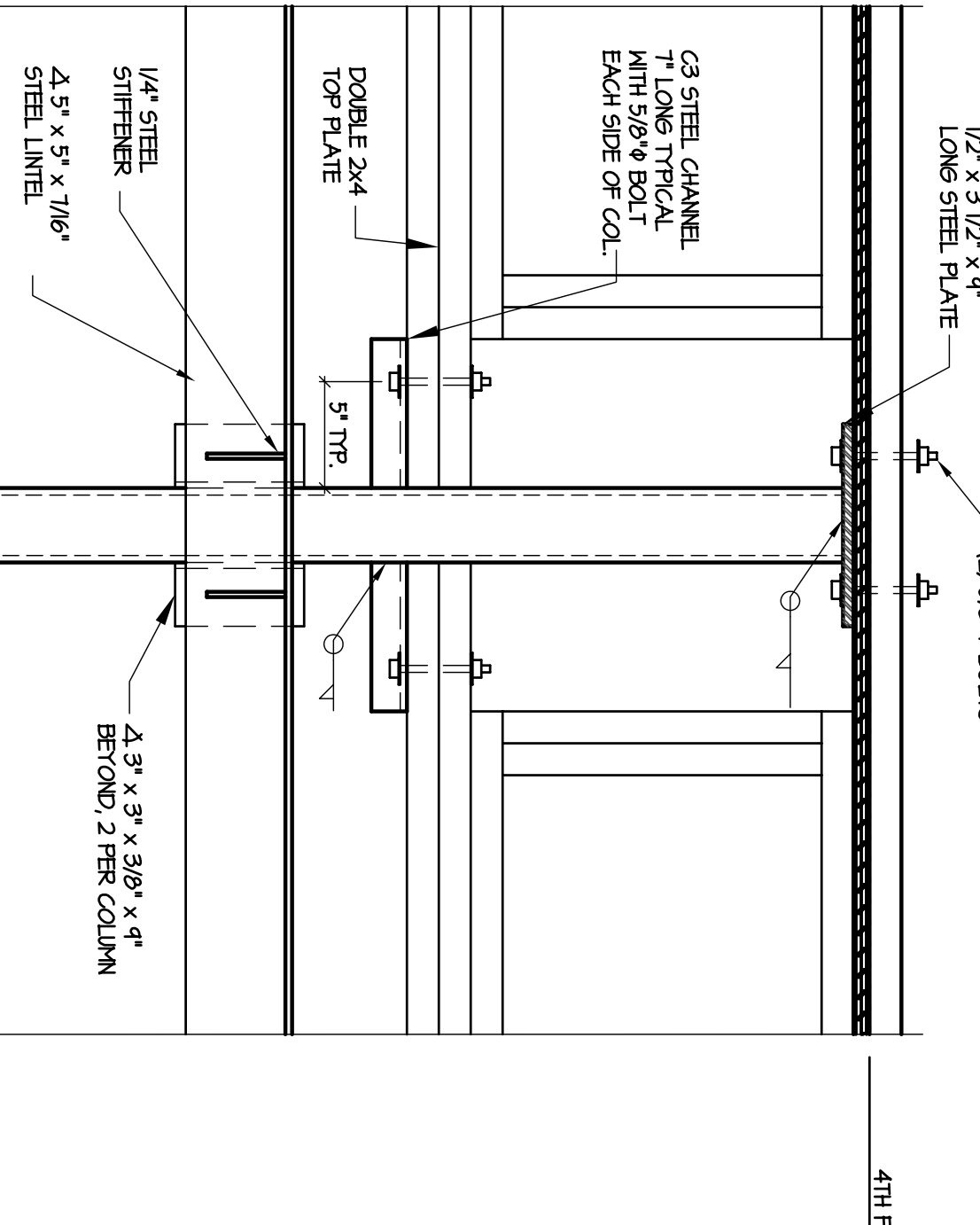
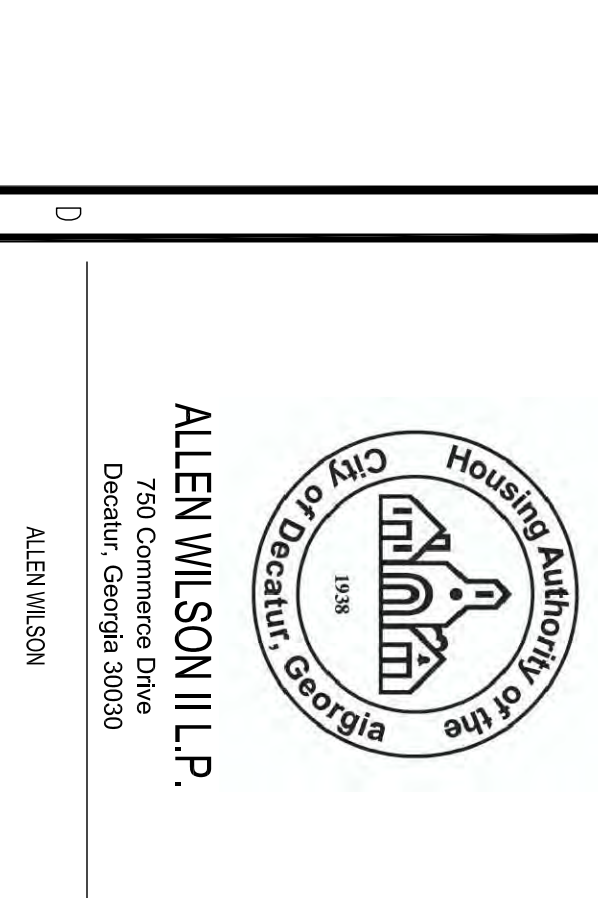
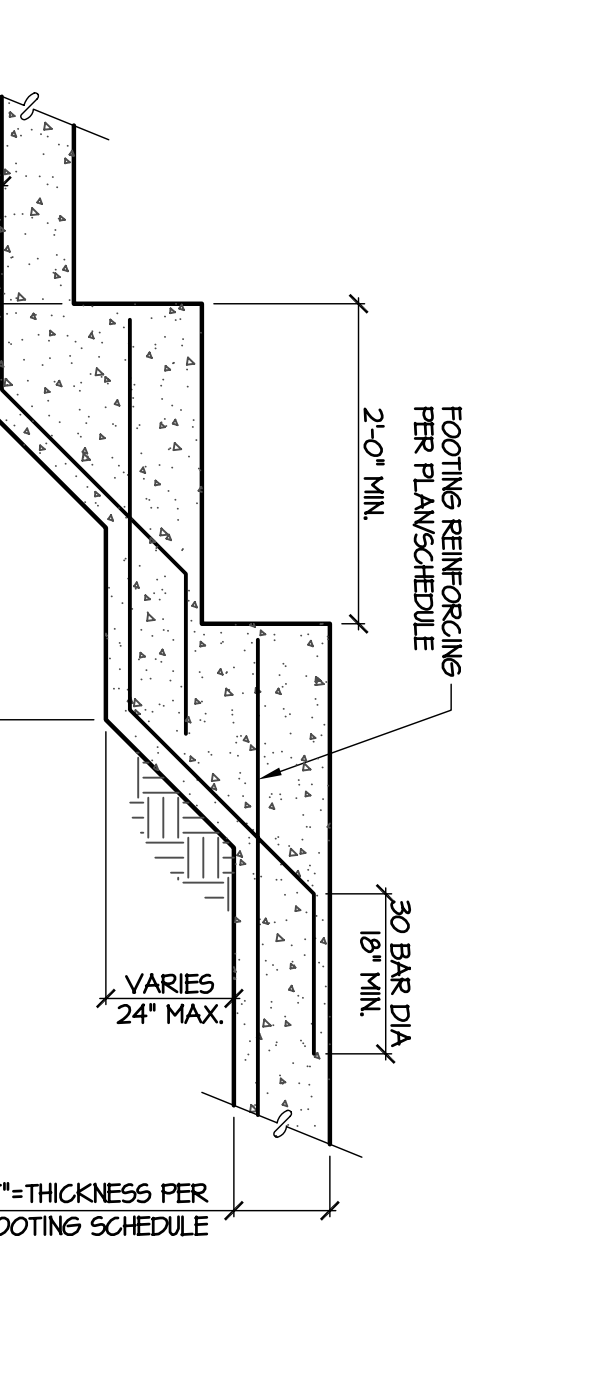
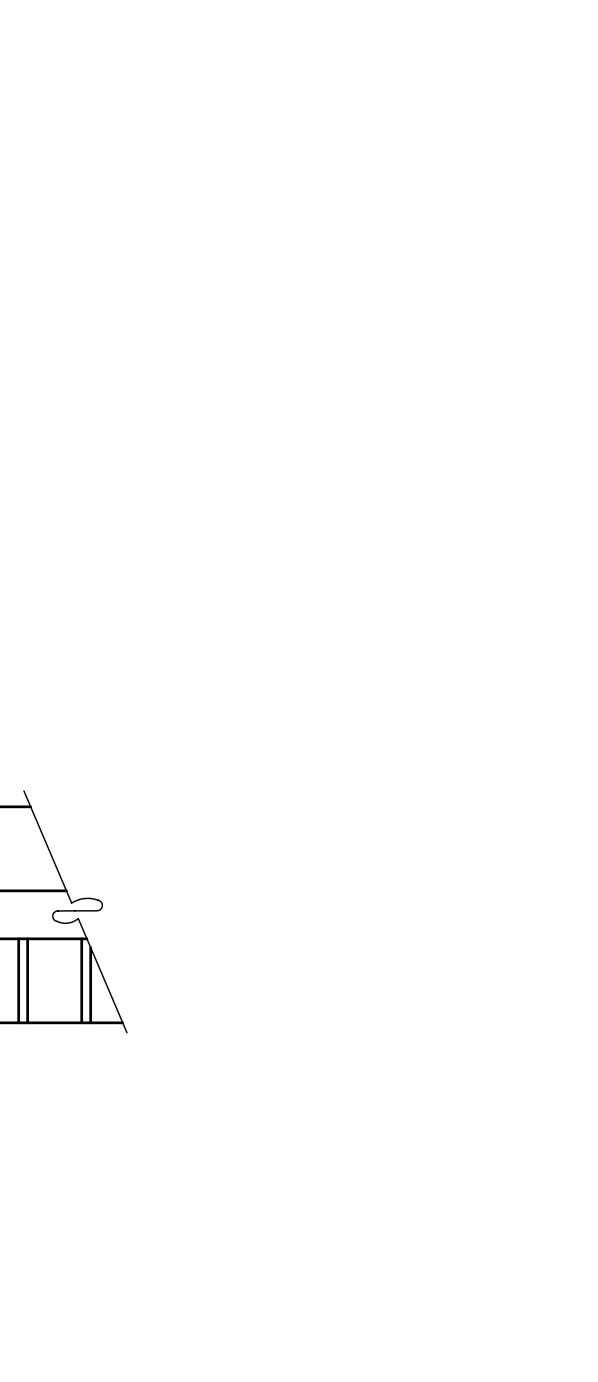
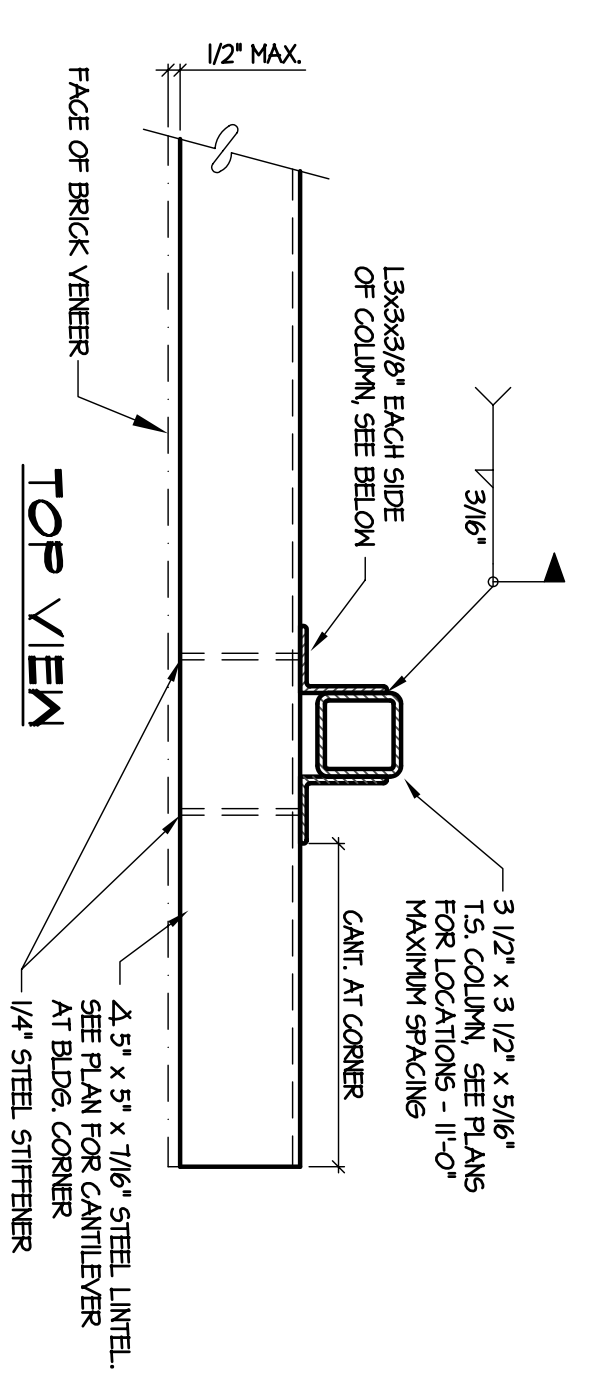
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ALLEN WILSON III, L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030

OLIVER HOUSE  
 Commerce Drive  
 Decatur, Georgia


  
**HADP**  
 ARCHITECTURE, INC.


**HARPER AIKEN DONAHUE & PARTNERS**  
 2727 PEWDETT BLVD. | ATLANTA, GEORGIA 30355  
 T: 404-233-4468 | F: 404-233-7361 | LIC. NO. AA 0002442  
 E: info@hadp.com | www.hadparchitect.com

VAPOR BARRIER AND RECOMMENDATIONS  
 GEOTECHNICAL ENGINEERS

Structural Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-4612  
 Contact: MARK KILBY

Structural Engineering  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILOH RD. SUITE 330  
 ATLANTA, GA 30305  
 P: 404-525-7777 F: 404-525-7777  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shepherd Road, Suite 200  
 Norcross, GA 30093  
 770-441-5547 Fax: 770-448-0282  
 Contact: VERN SMITH



  
**Structural Consulting Group, LLC**  
 6250 Shiloh Rd. Suite 330, Norcross, GA 30095  
 Phone: (770) 513-4242 Fax: (770) 513-4282  
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**BRICK & FOUNDATION DETAILS**  
**S1.1.1**


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 Drawing Title: BRICK & FOUNDATION DETAILS

Revision	Description	Date
1	Addressing#1 & Co-ordination	4/15/11
2	City Review Comments	4/1/11
3	Addressing#2	2/21/11
4	Addressing#1	2/10/11

Sheet Number: S1.1.1  
 Professional of Record: Stewart Hagen  
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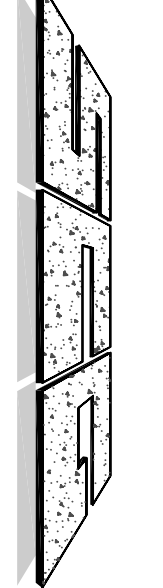

  
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 HARPER AIKEN DONAHUE & PARTNERS  
 7727 PENNANT BLVD. | ATLANTA, | GEORGIA 30355  
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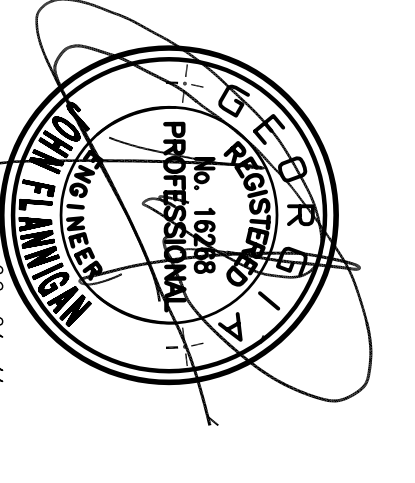
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**Structural Engineering**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 6011  
 Atlanta, GA 30308 Phone: 404-201-6172  
 Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
 6520 SHILOH ROAD, SUITE 330  
 LAWRENCEVILLE, GA 30046  
 Phone: 770-962-3400  
 Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
 4275 Shepherd Road, Suite 200  
 Norcross, GA 30093  
 770-441-5547 Fax: 770-446-0292  
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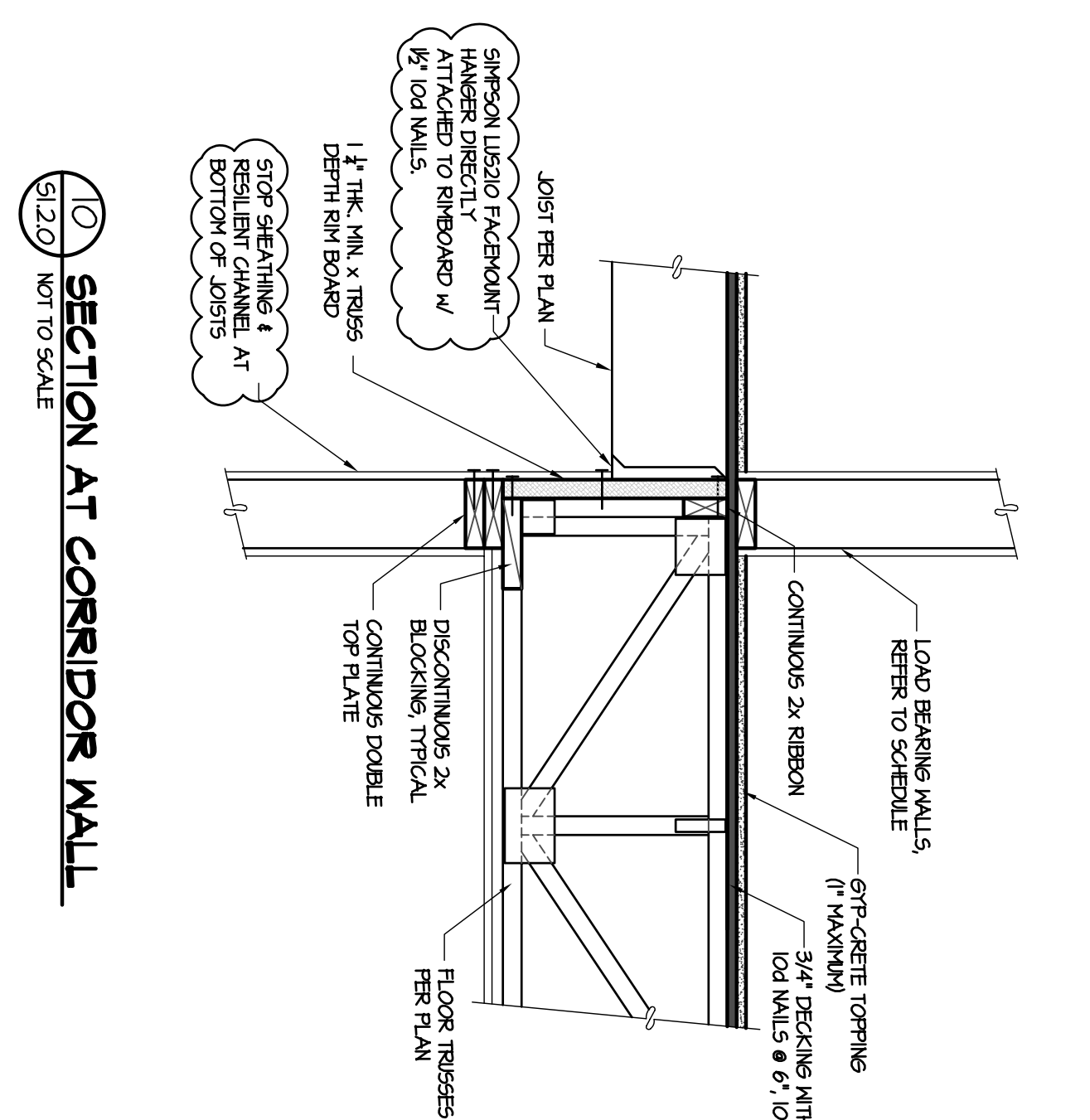
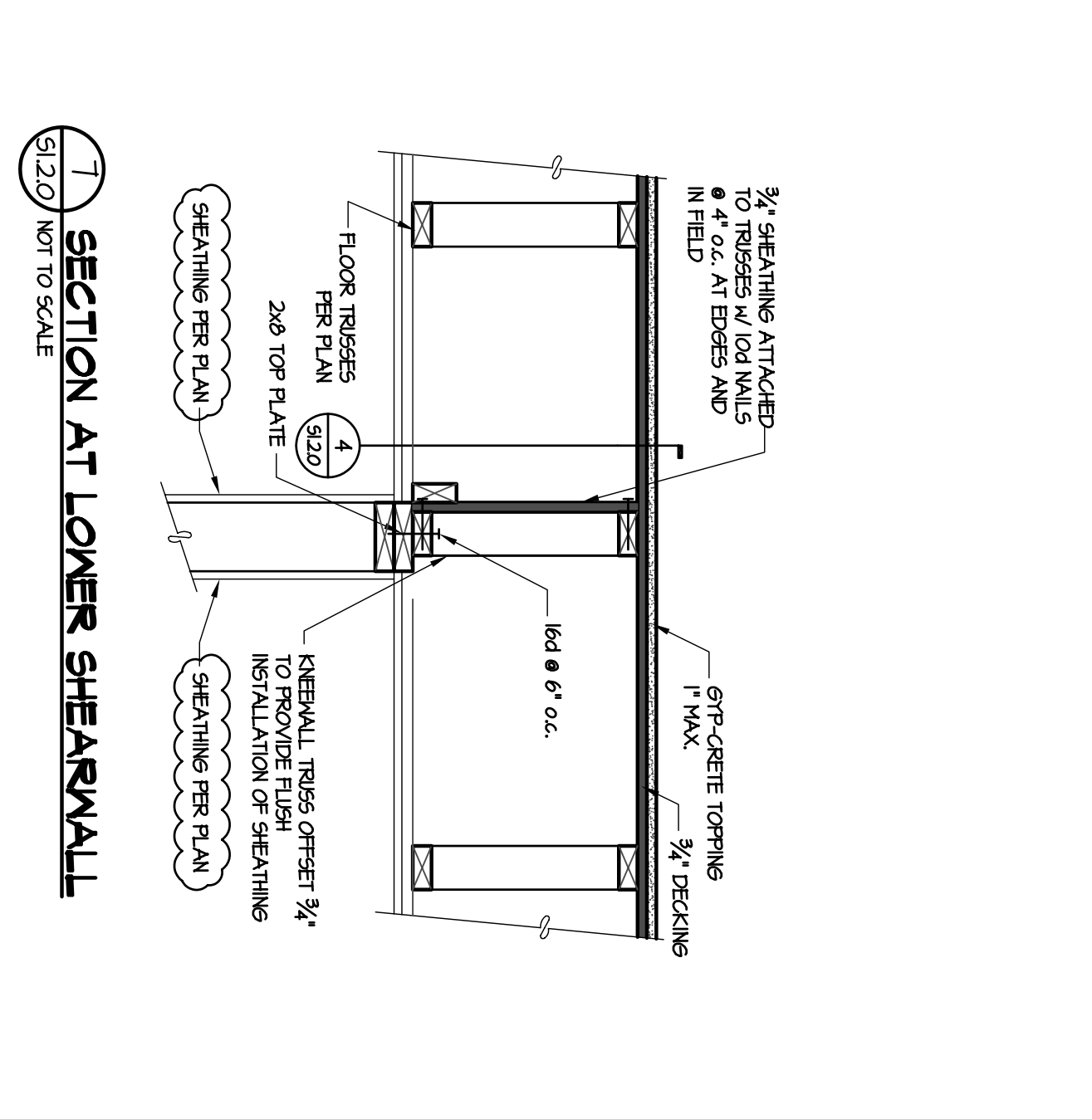
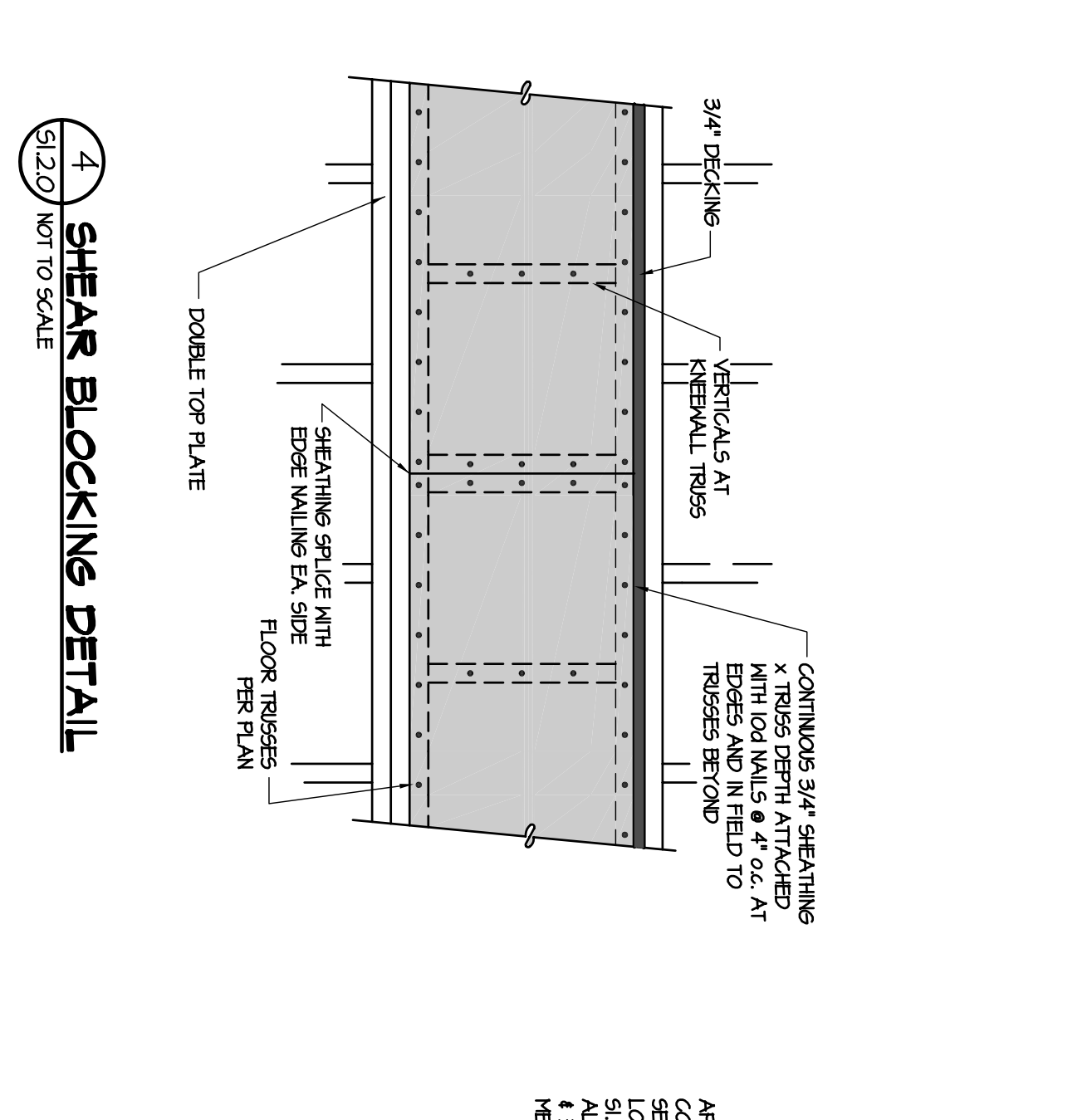
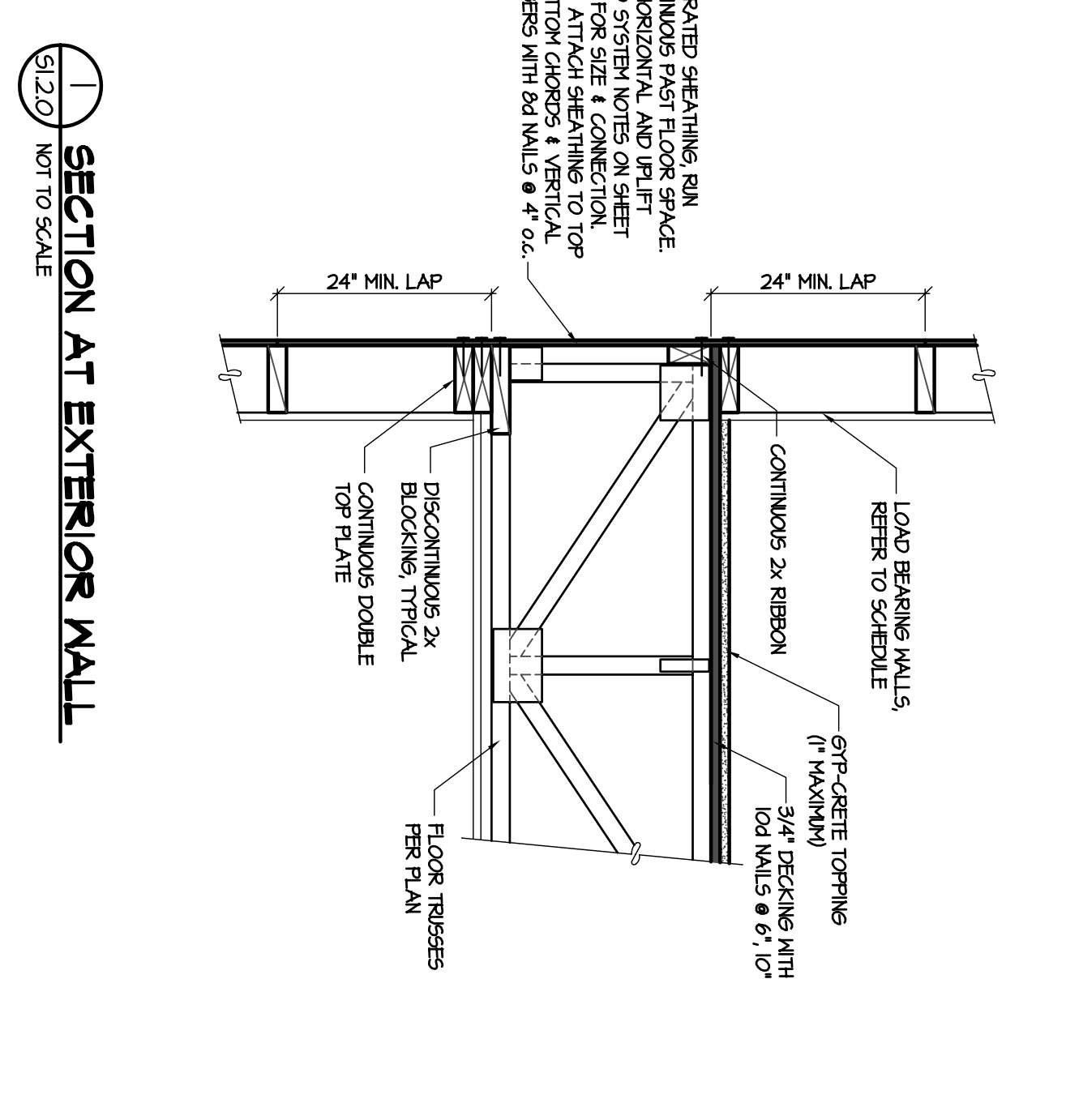
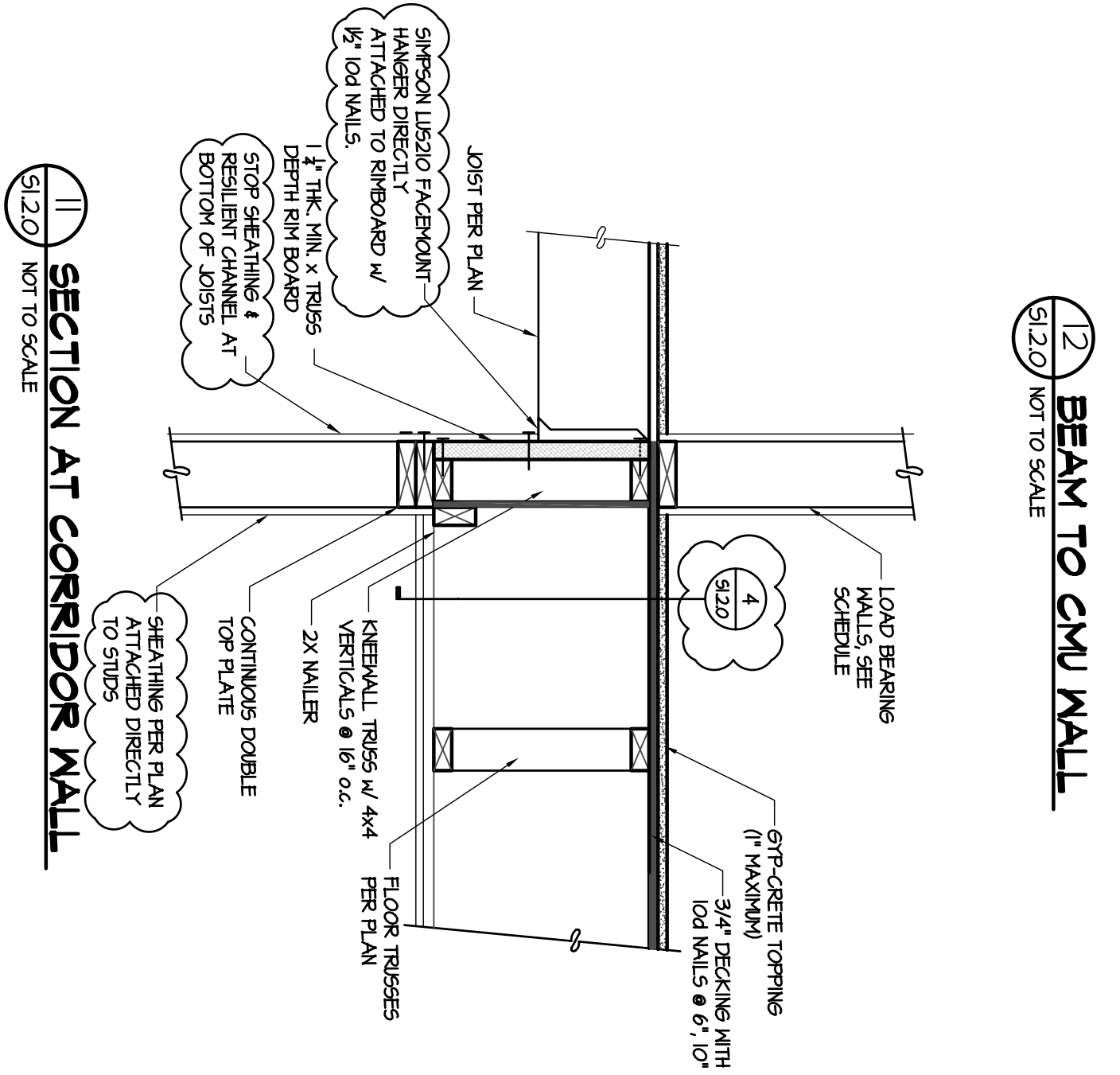
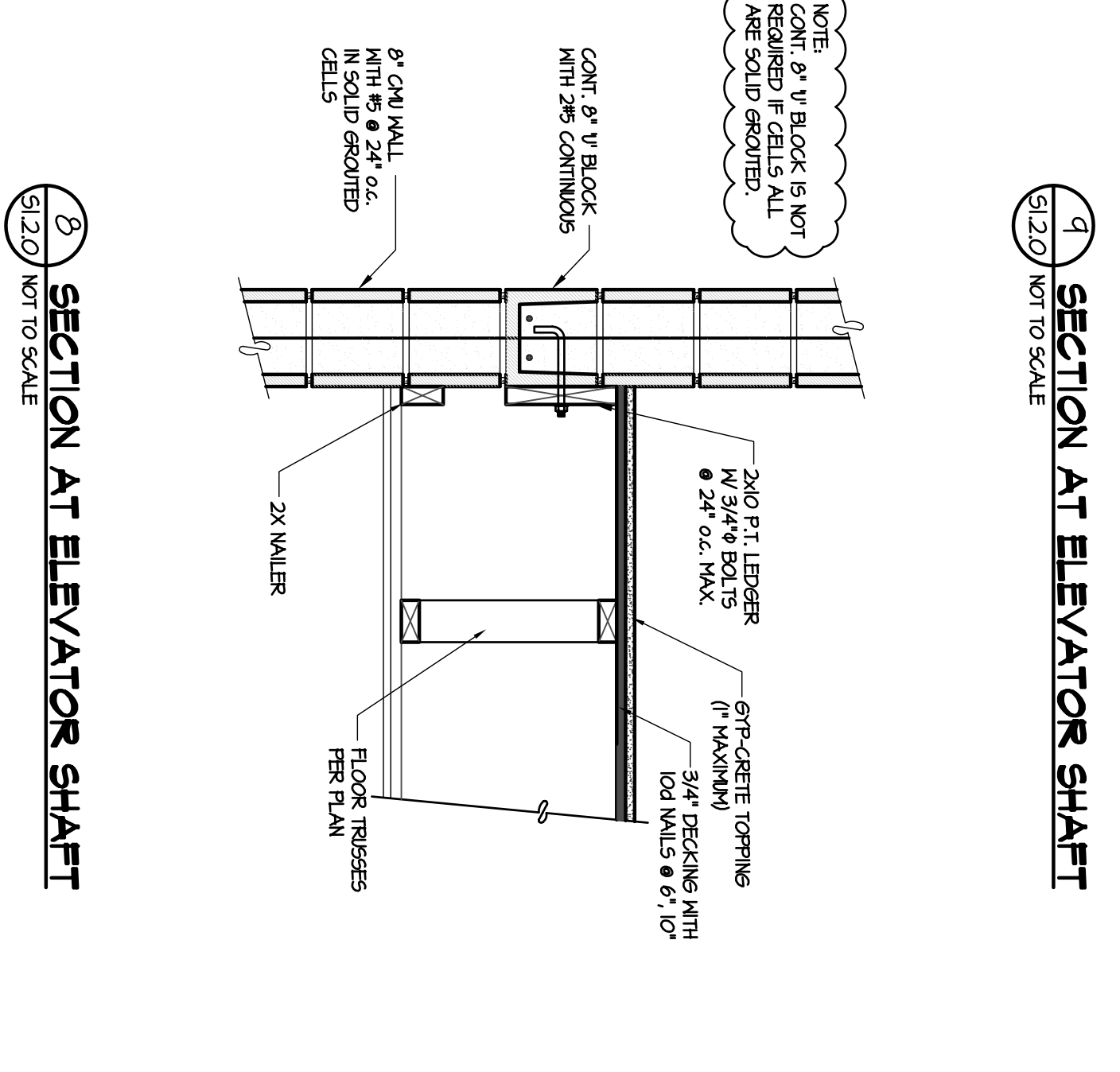
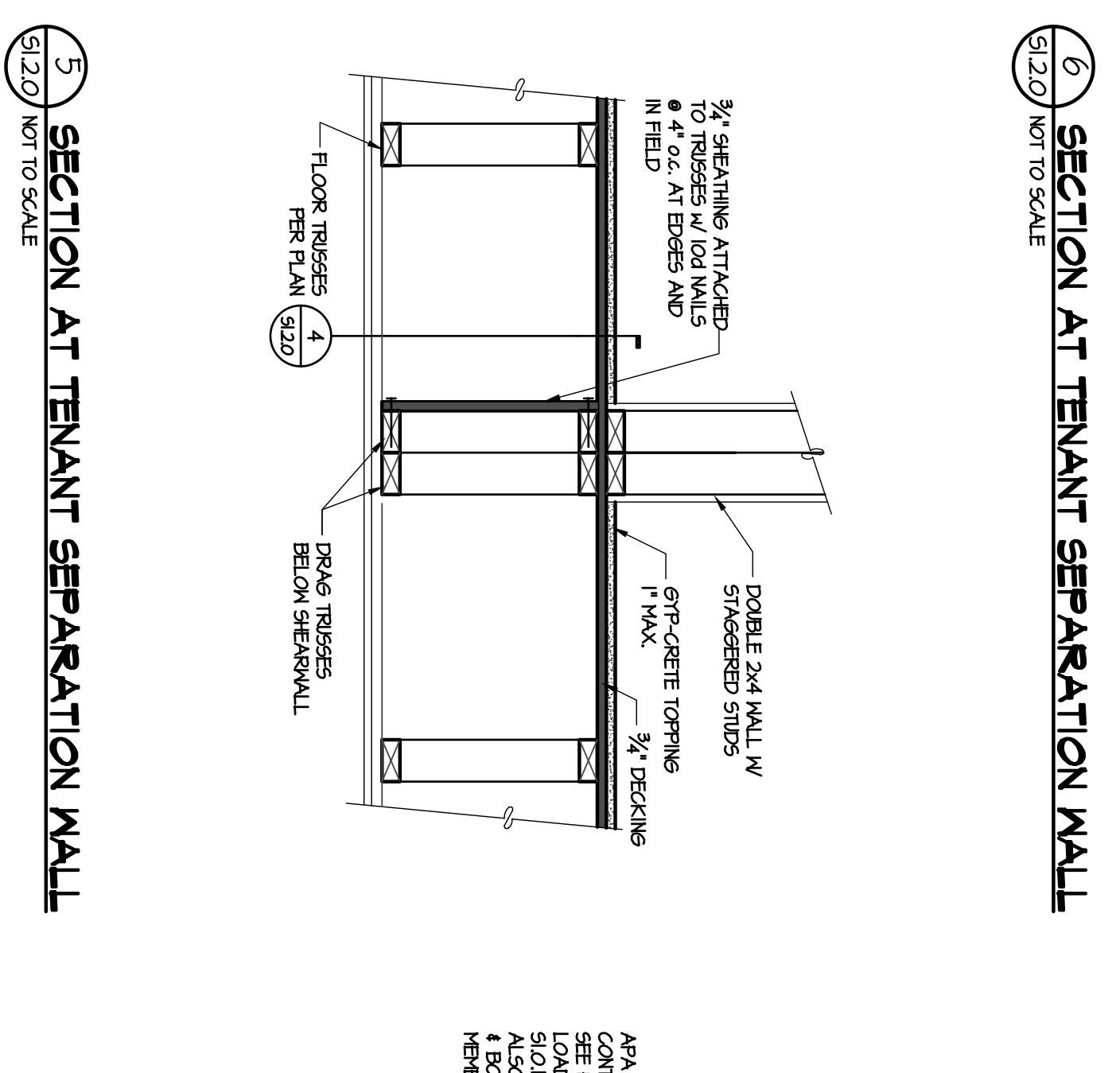
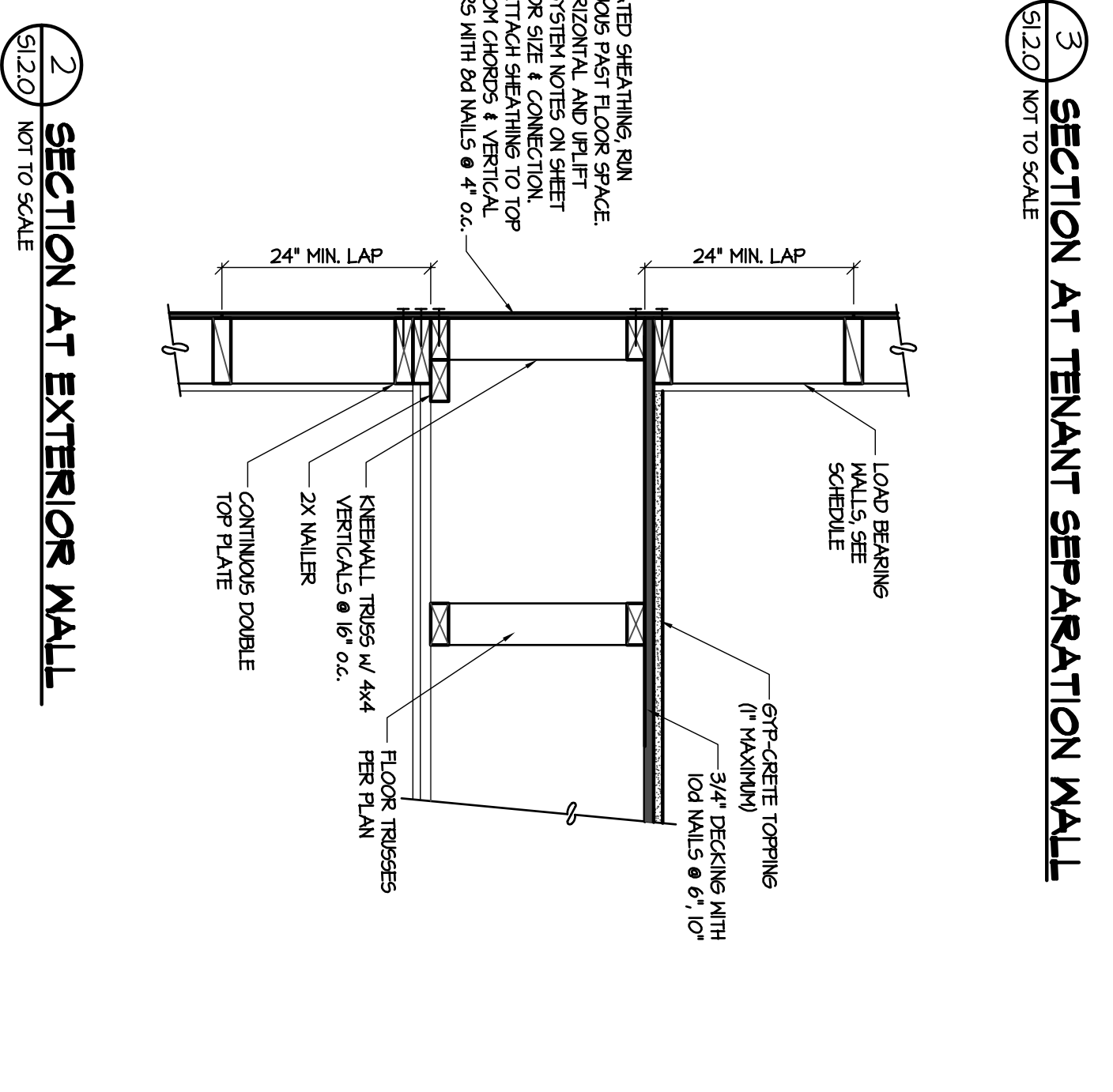
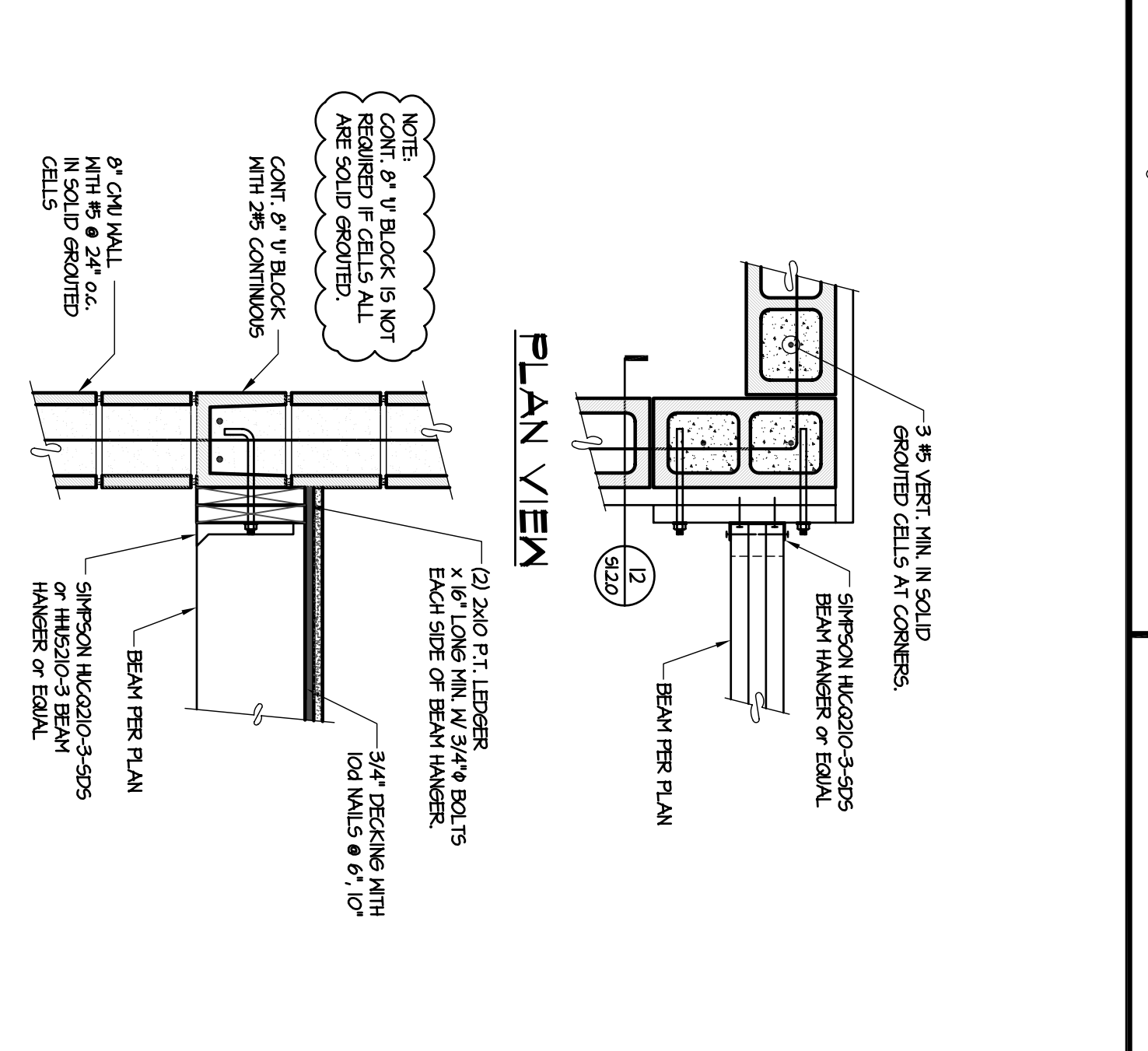
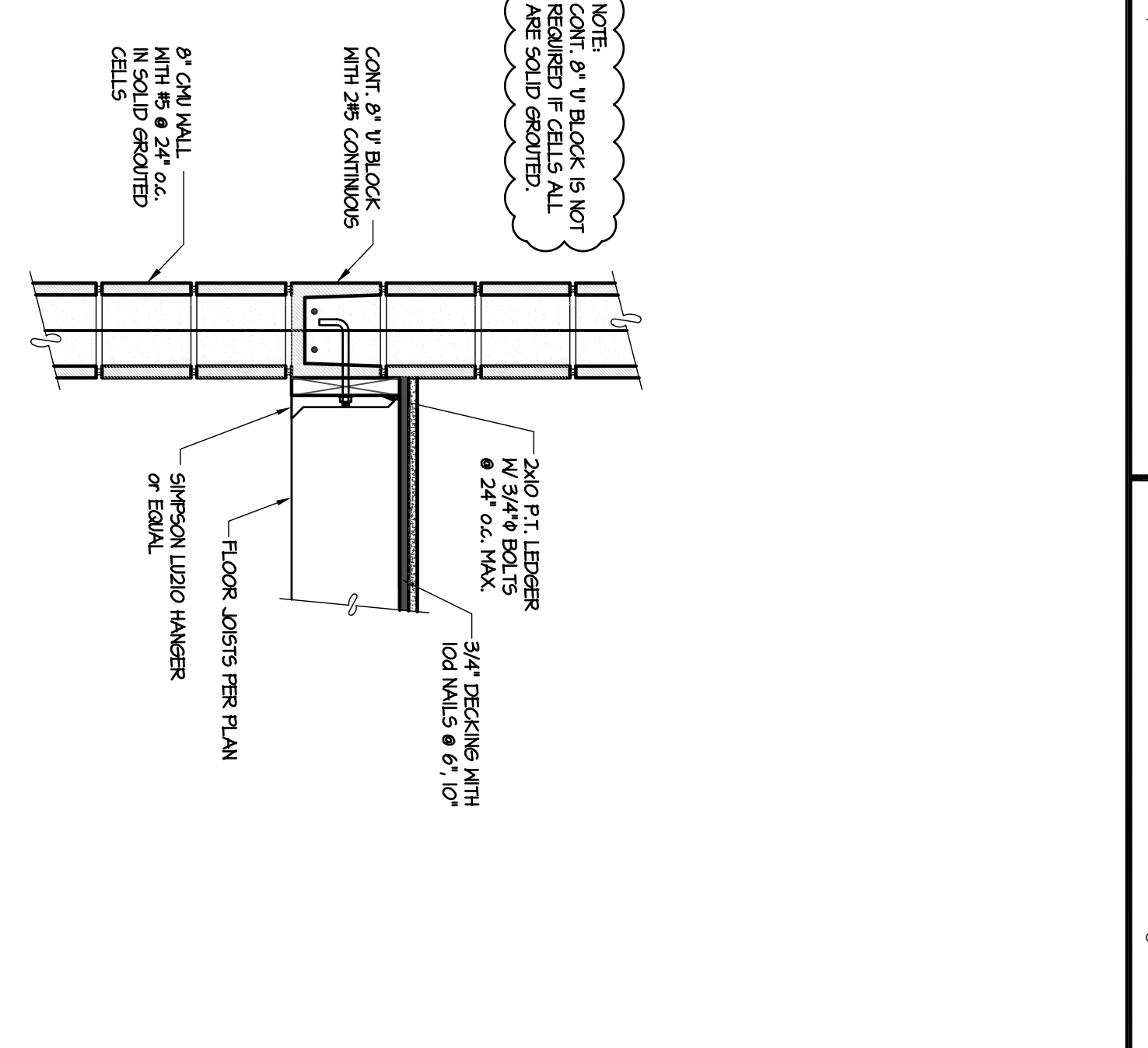
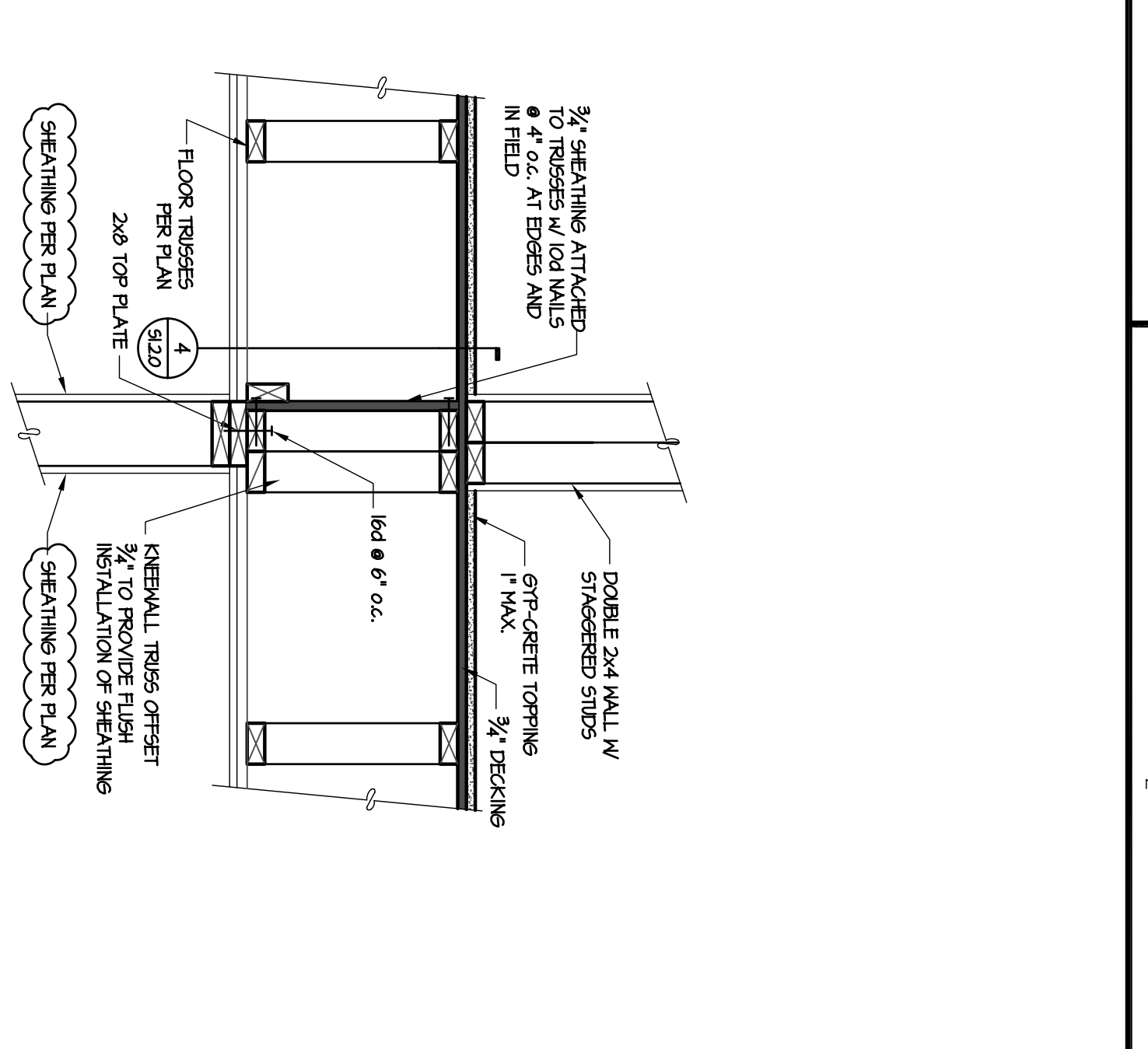
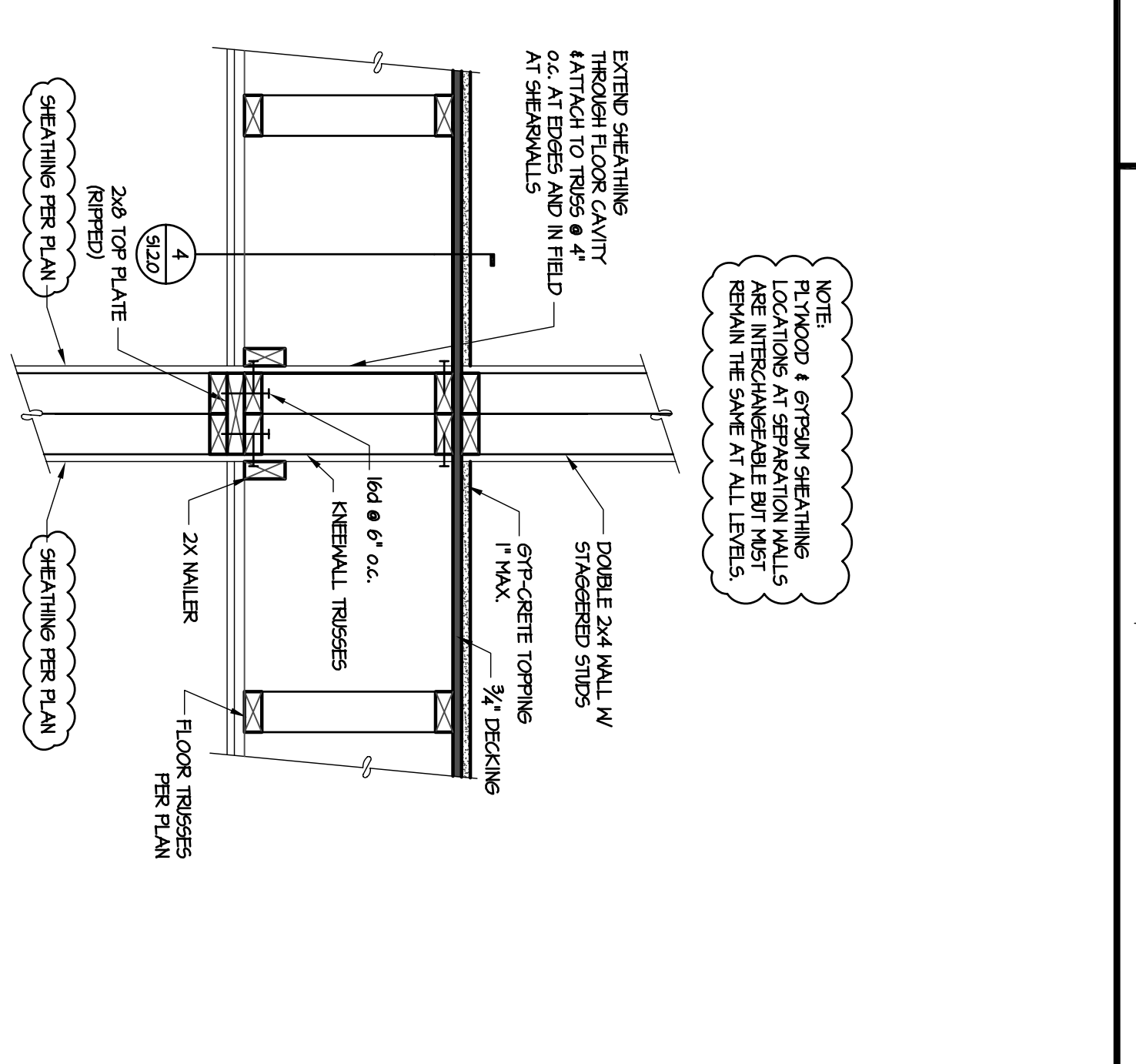

  
**Structural Consulting Group, LLC**  
 6520 Shiloh Rd. GA 30046 Phone: 770-962-3400  
 4275 Shepherd Road, Suite 200 Norcross, GA 30093  
 Phone: 770-441-5547 Fax: 770-446-0292  
 Project No: AH09132.00  
 Project Name: AUGUST 1, 2011


  
 JOHN FLANNIGAN  
 No. 16288  
 PROFESSIONAL ENGINEER  
 08-01-11

Symbol	Abbreviation & Description	Date
△	City Review Comments	4/15/11
△	Architectural	2/21/11
△	Architectural	2/10/11

Revision: AH09132.00  
 Date: AUGUST 1, 2011

**FLOOR FRAMING DETAILS**  
**S1.2.0**

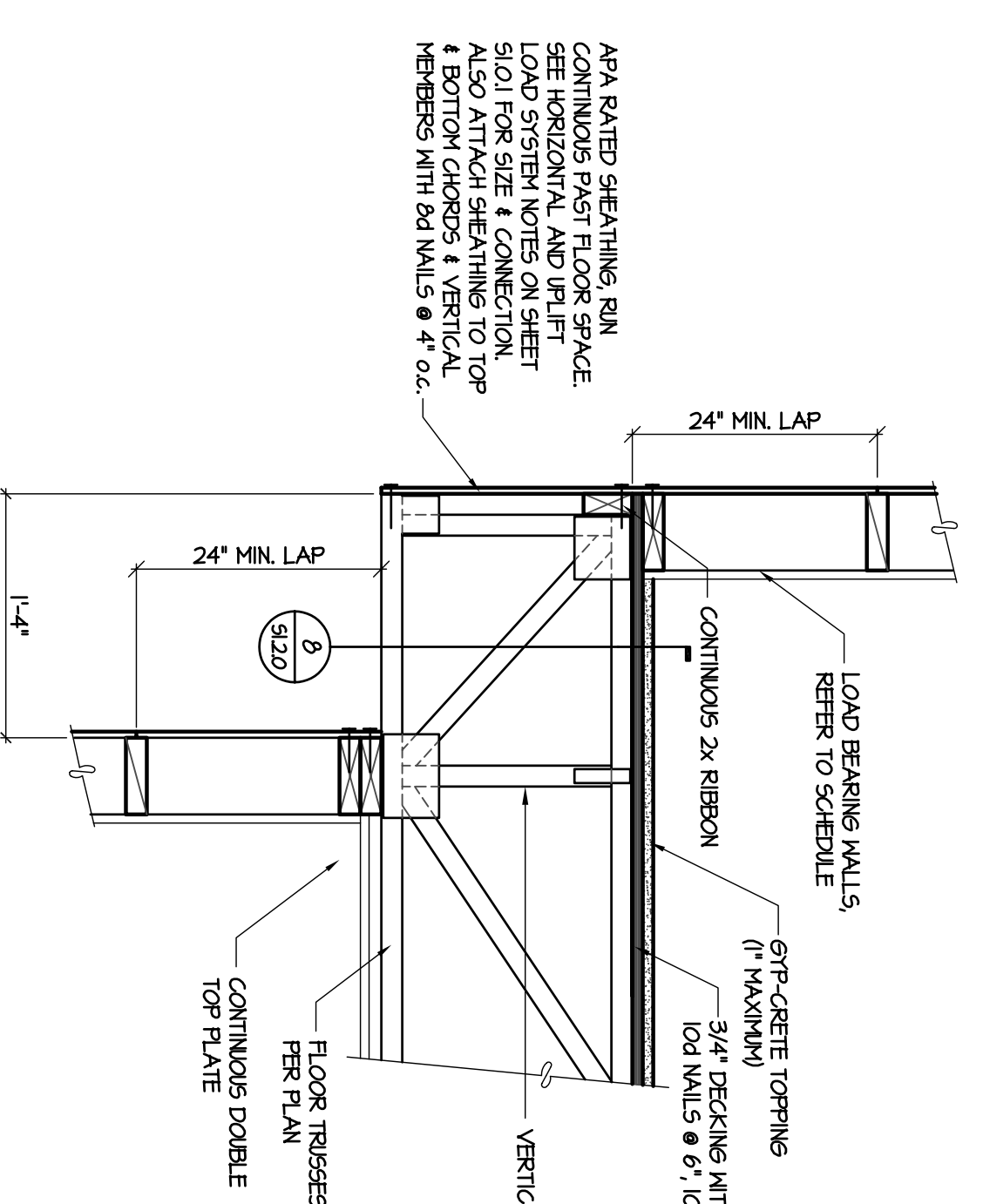
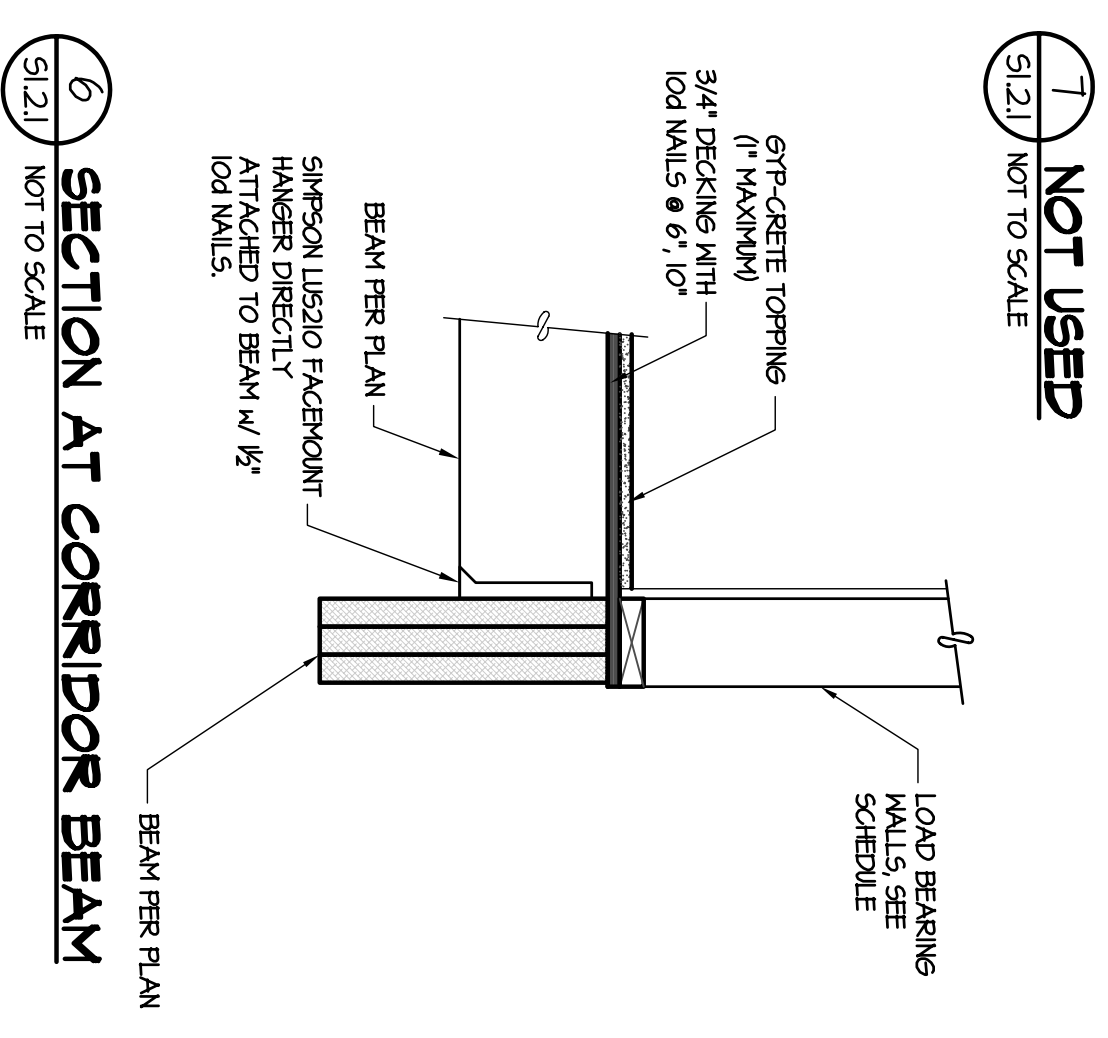
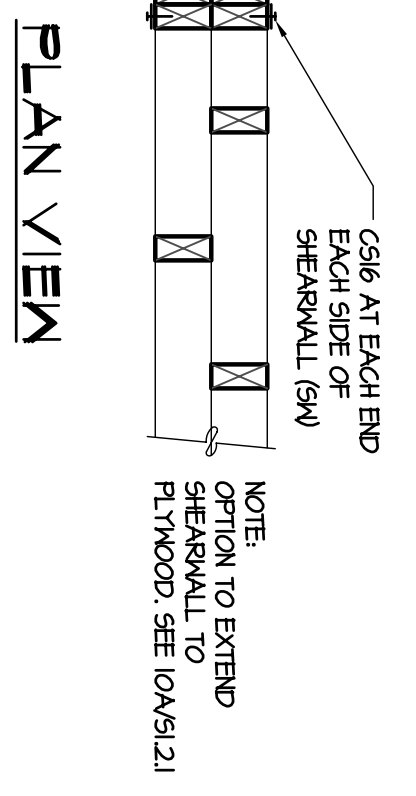
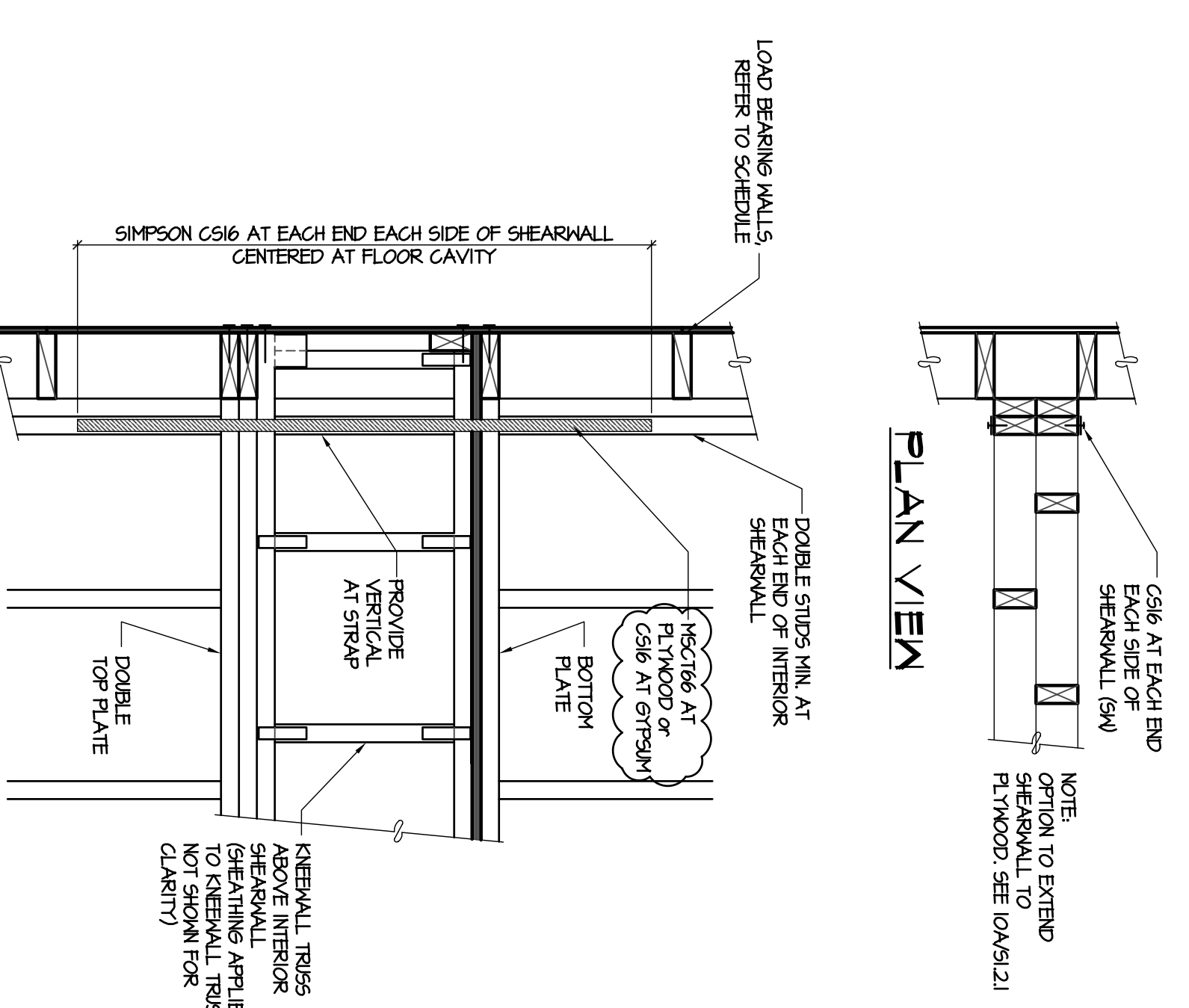
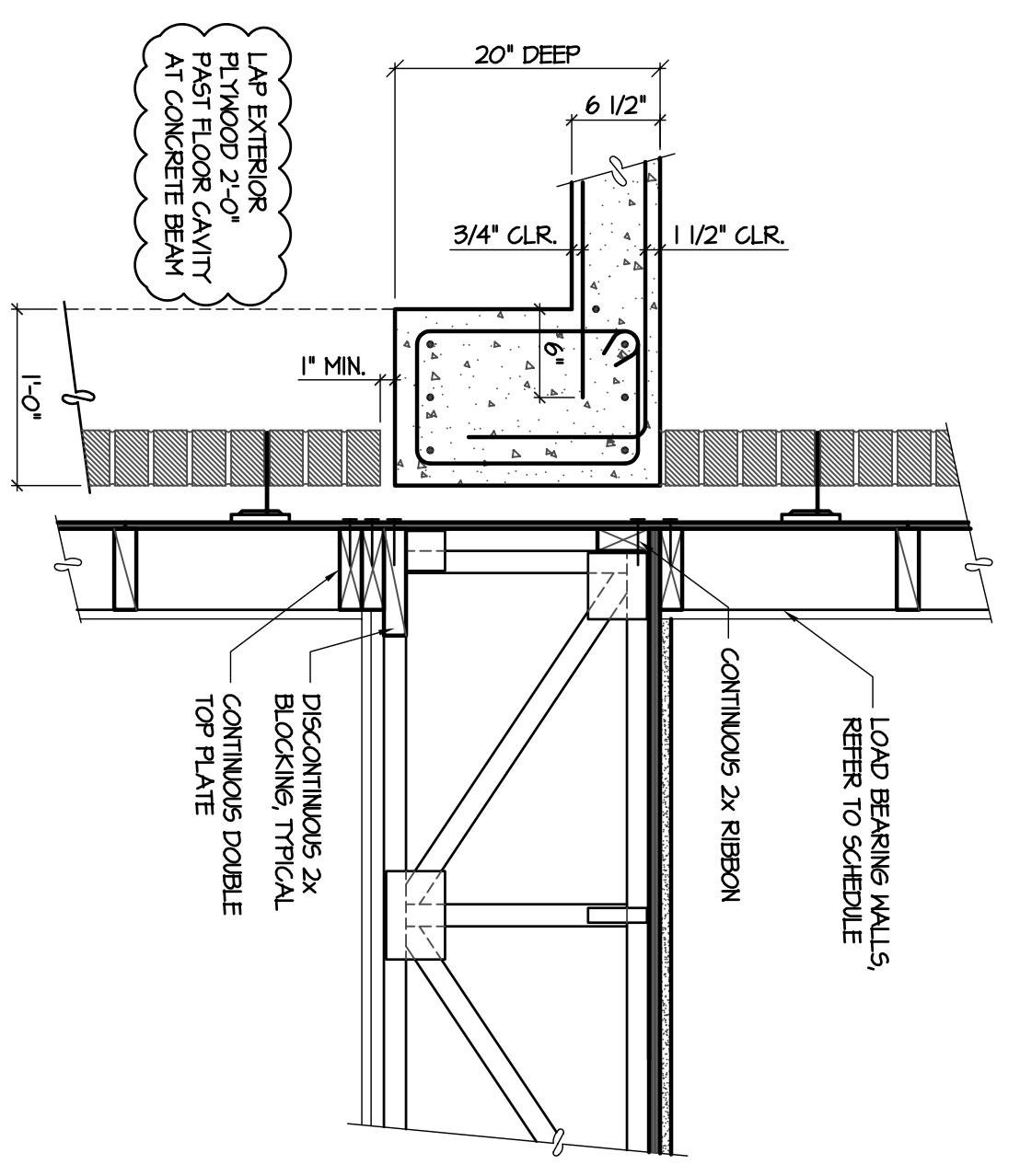


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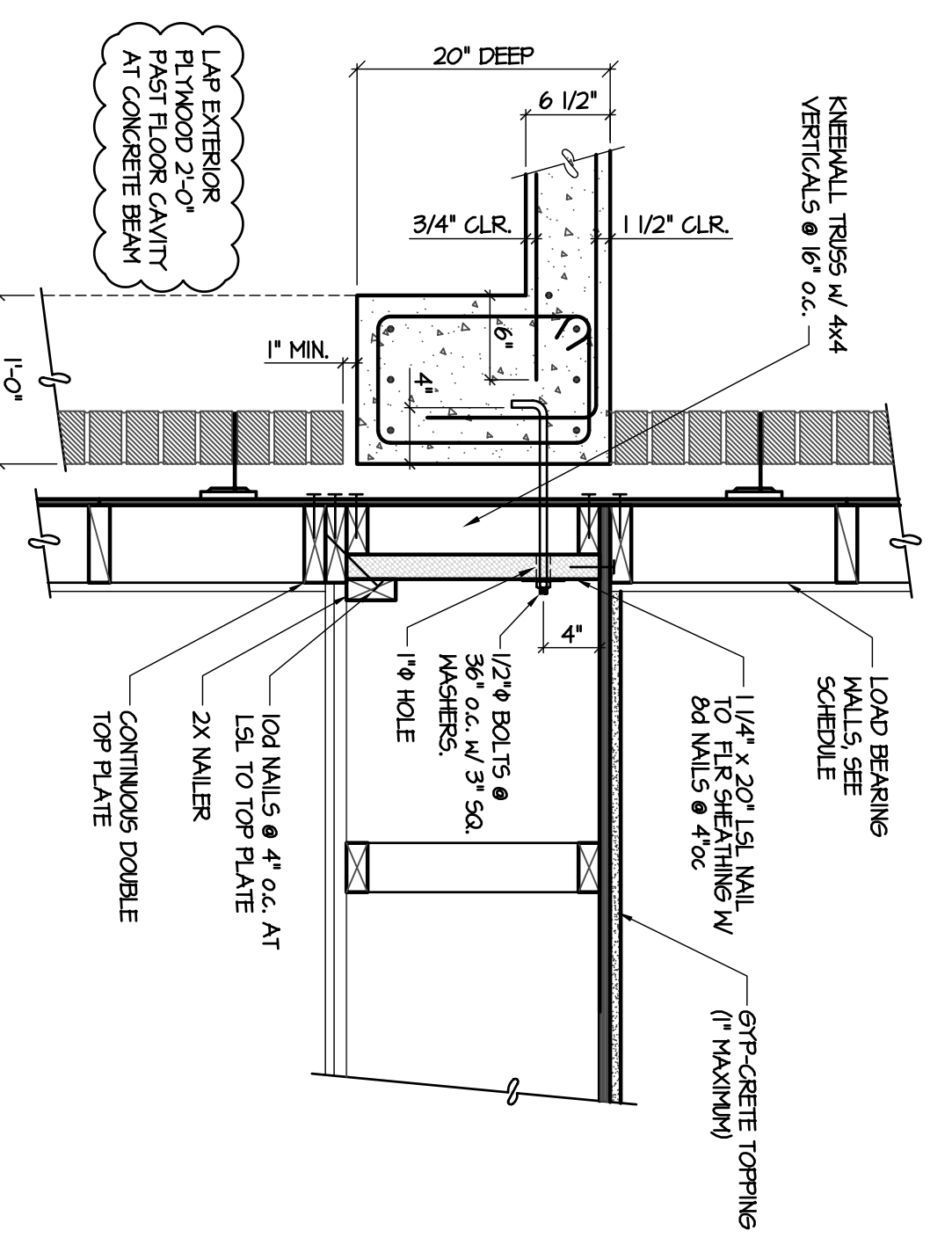
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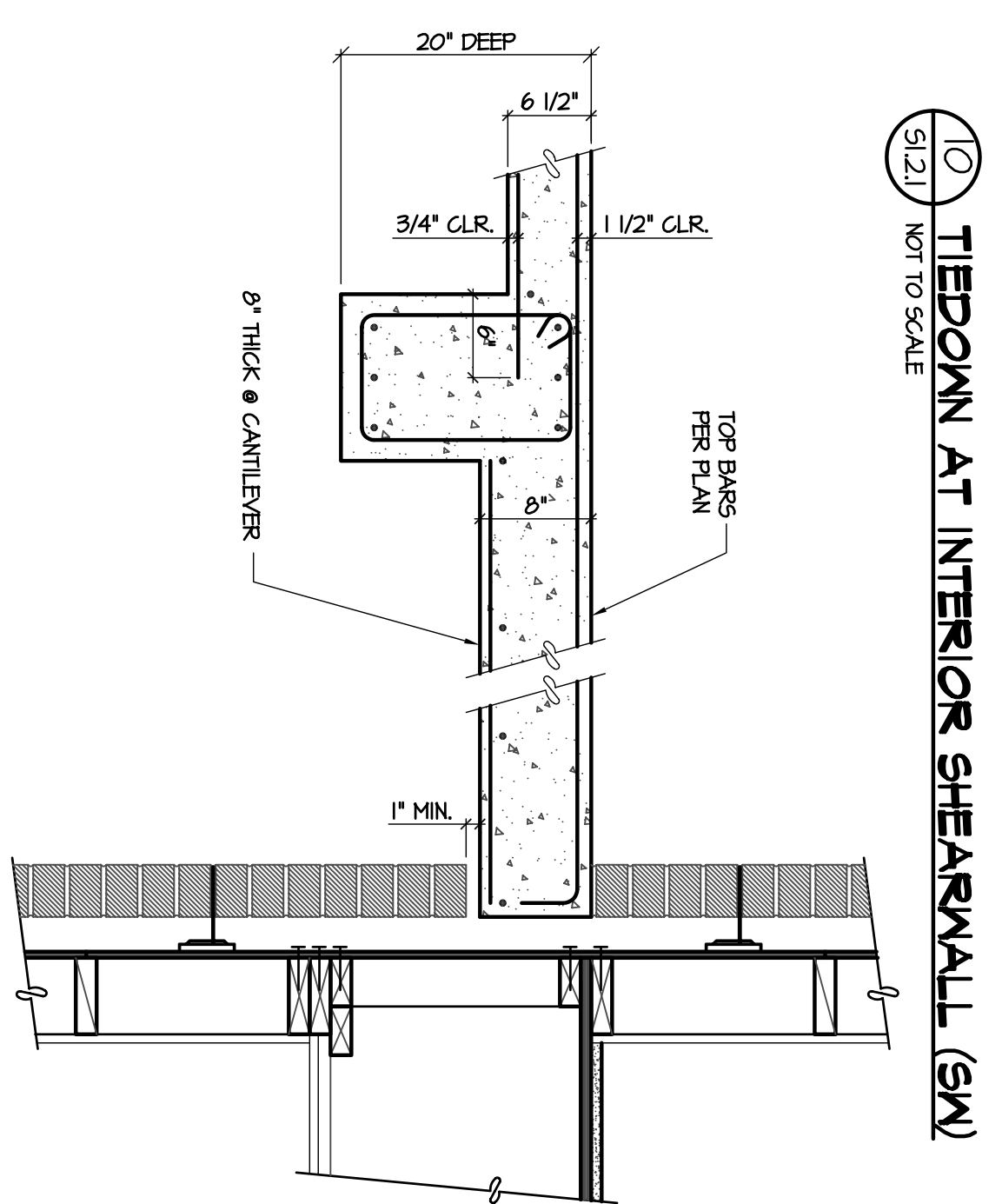
Final Construction Set, August 1, 2011



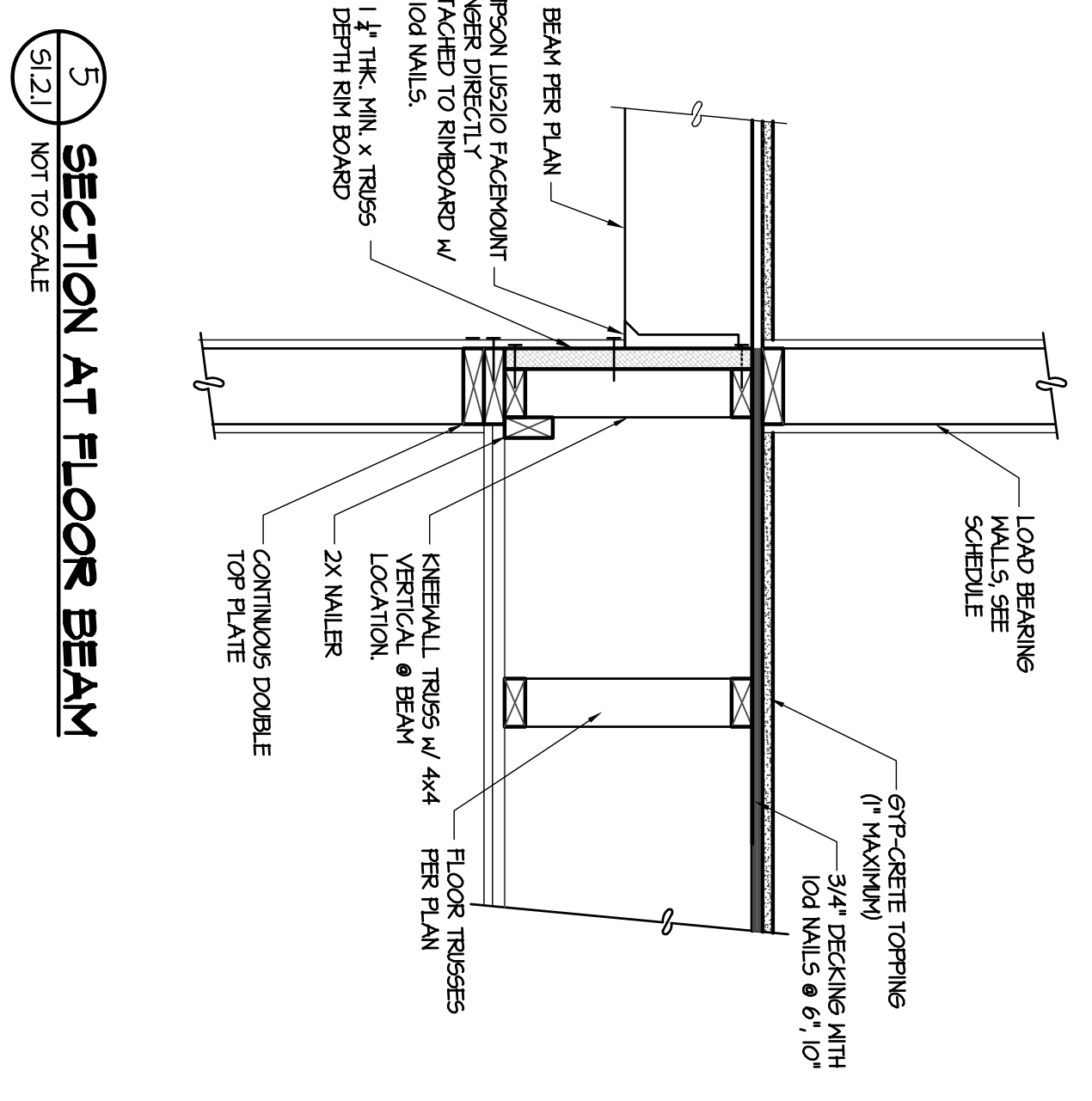
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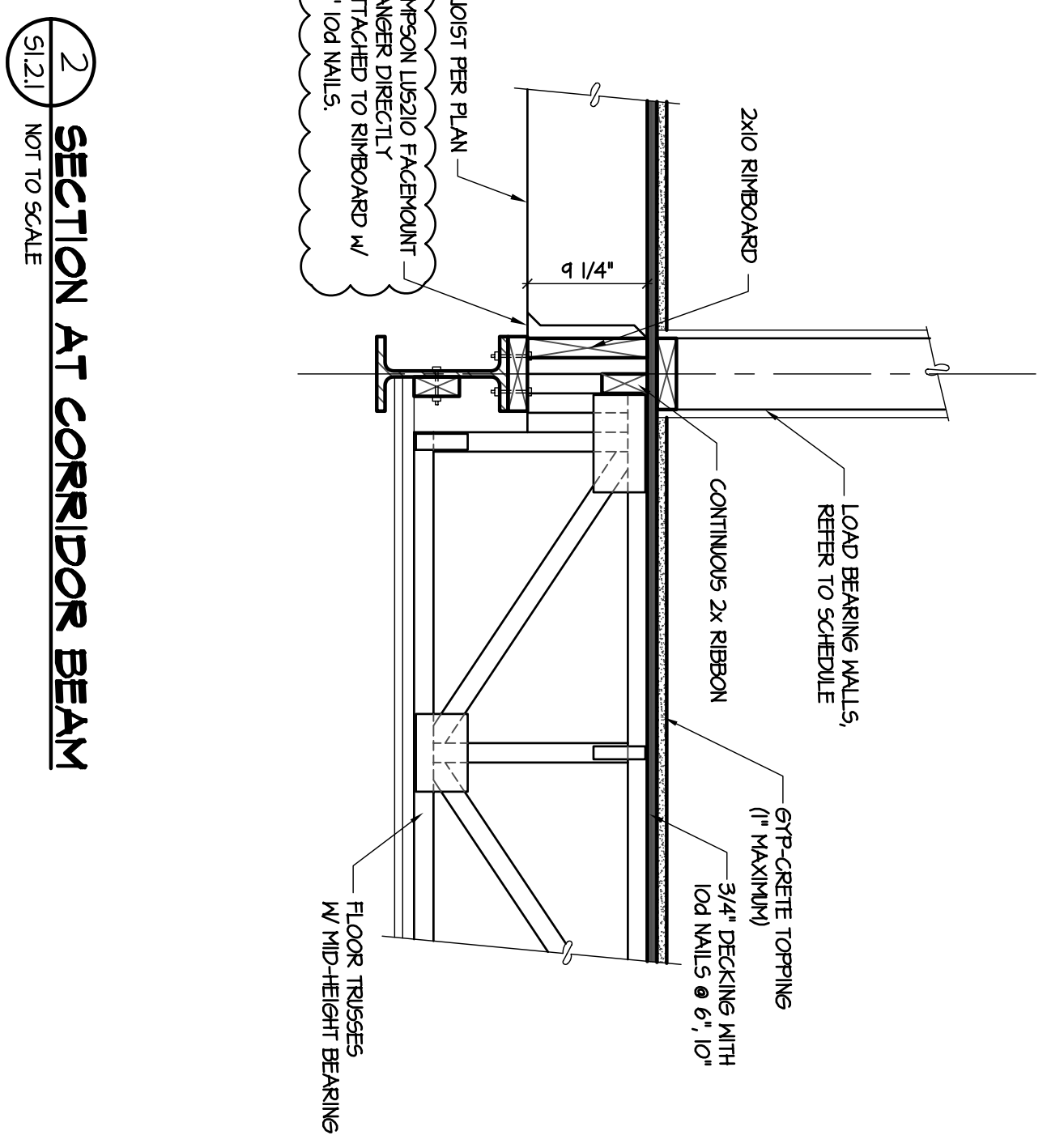
1 SECTION AT COVERED PARKING (S1.1) NOT TO SCALE



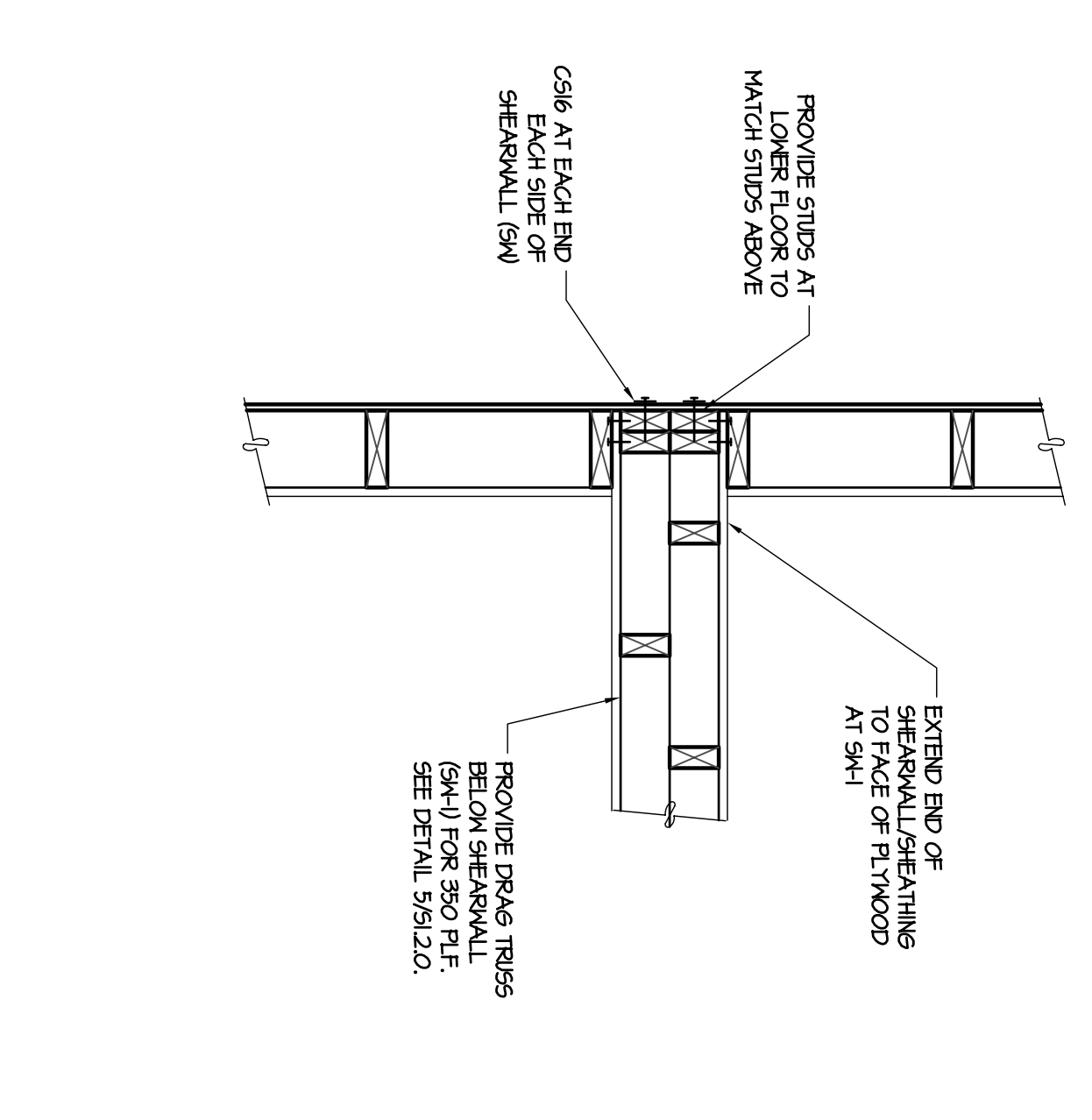
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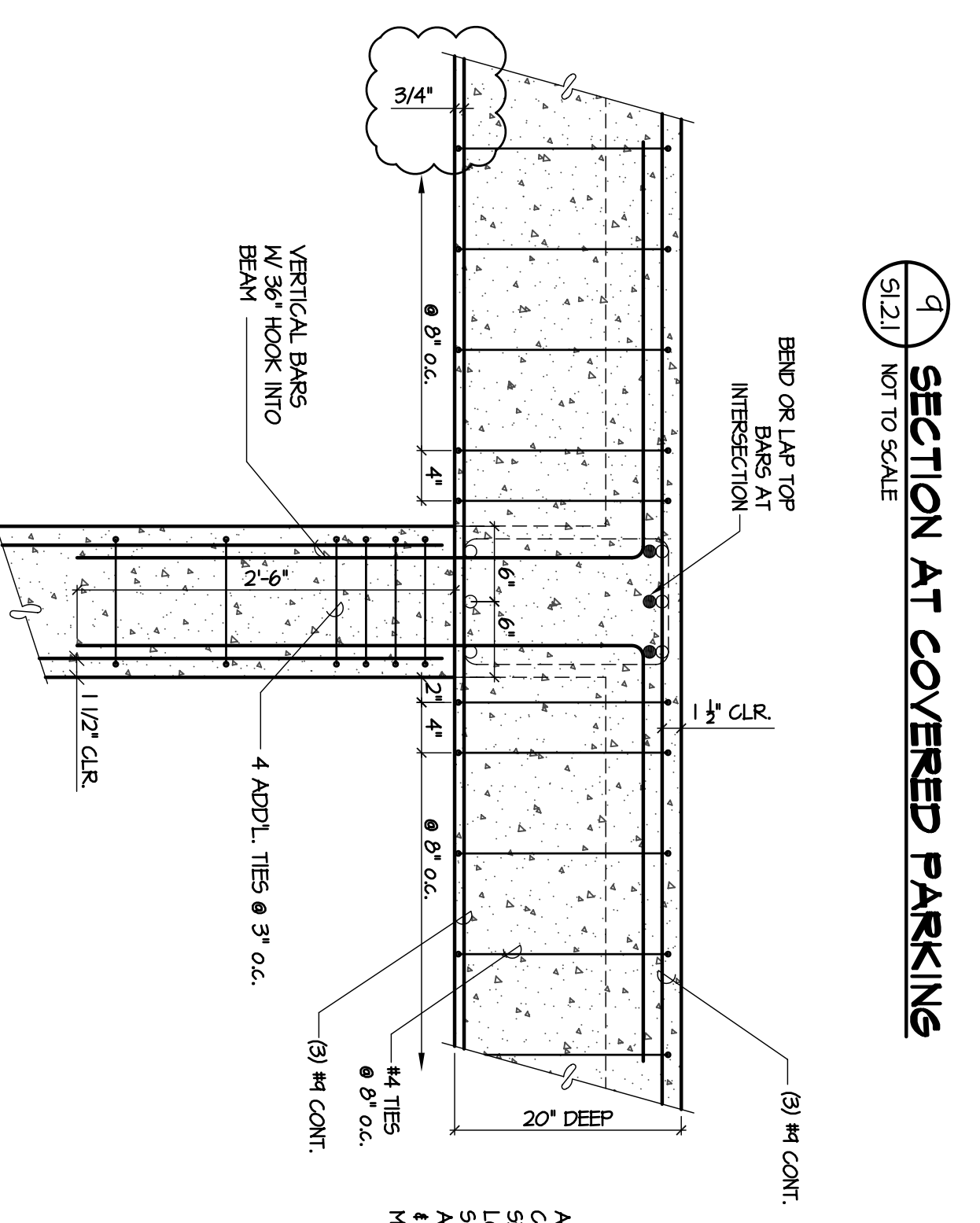
5 SECTION AT FLOOR BEAM (S1.5) NOT TO SCALE



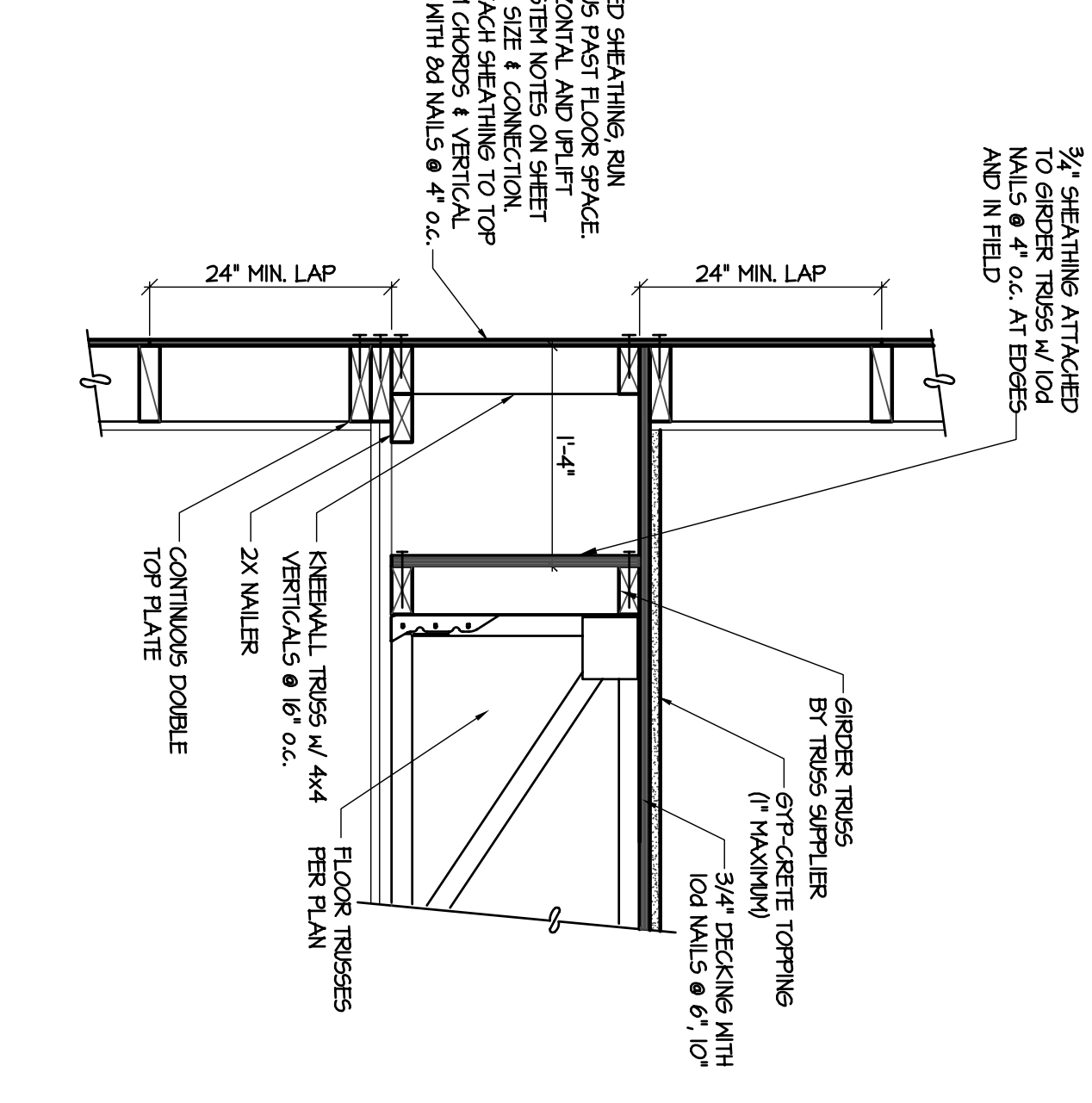
2 SECTION AT CORRIDOR BEAM (S1.2) NOT TO SCALE



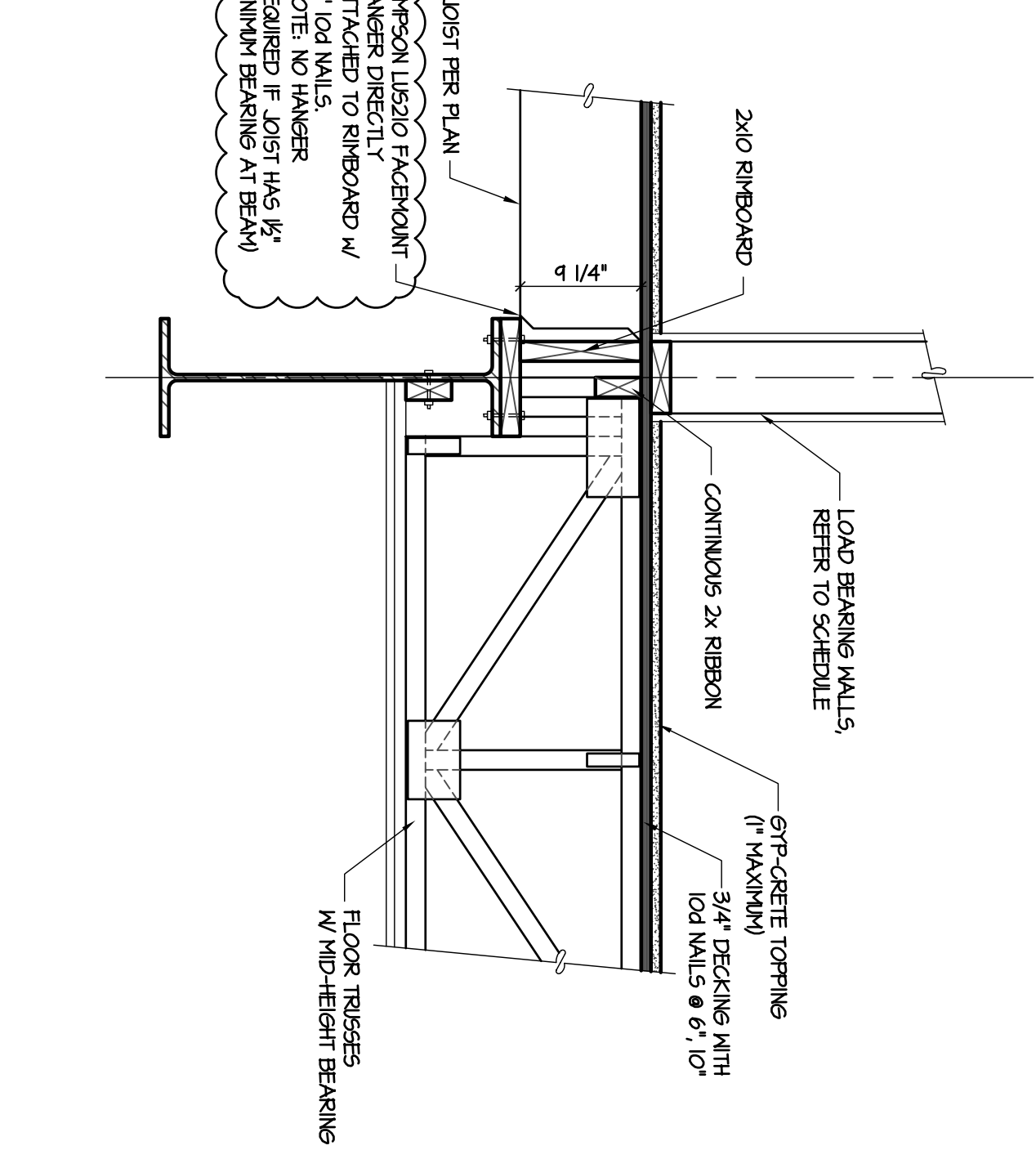
1 SECTION AT INTERIOR SHEARWALL (S1.1) NOT TO SCALE



2 SECTION AT COVERED PARKING (S1.2) NOT TO SCALE



4 BAY WINDOW SECTION AT 4TH LEVEL (S1.4) NOT TO SCALE



1 SECTION AT CORRIDOR BEAM (S1.1) NOT TO SCALE

City of Decatur, Georgia Housing Authority

ALLEN WILSON III, P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
ARCHITECTURE, INC.

HARPER AIKEN DONAHUE & PARTNERS  
2727 PENNANT BLVD. | ATLANTA, GA 30339  
T: 404-233-4861 | F: 404-233-7381 | G: 404-233-9482  
E: hadp@hadp.com | www.hadparchitect.com

Kimley-Horn and Associates, Inc.  
Civil Engineer  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308  
6280 SHILOH ROAD, SUITE 330  
ATLANTA, GA 30305  
PH: 404-525-8800  
Contact: MARK KELLY

Structural Framing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-446-0282  
Contact: VERN SMITH

Structural Consulting Group, LLC  
6250 Atlanta, GA 30324  
Phone: (770) 513-4242 Fax: (770) 513-4242  
SCG Project No. 0912011

Professional Engineer  
**JOHN FLANNIGAN**  
08-01-11

KEY PLAN

△	Added/4th & Co-ordination	4/15/11
△	City Review Comments	4/1/11
△	Added/4th	2/21/11
△	Added/4th	2/10/11

Revision: \_\_\_\_\_ Date: \_\_\_\_\_  
Project No: A109132.00  
File Name: \_\_\_\_\_  
Scale: \_\_\_\_\_ Date: AUGUST 1, 2011

**FLOOR FRAMING DETAILS**

Sheet Number: **S1.2.1**

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ALLEN WILSON II  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

**HADDP**  
ARCHITECTURE, INC.

HARPER AIKEN DONAHUE & PARTNERS  
2727 PENNINGTON BLVD. | ATLANTA, | GEORGIA 30355  
T: 404.233.4466 | F: 404.233.7361 | LIC. NO. AA 0002442  
E: info@hadpp.com | www.hadpparchitecture.com

Structural Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404.501.6172  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD. SUITE 330  
MARIETTA, GA 30067  
Phone: 770.422.3142  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770.441.5547 Fax: 770.446.0282  
Contact: VERA SMITH

**Structural Consulting Group, LLC**  
6250 Shiloh Road, Suite 330  
Marietta, Georgia 30067  
Phone: (770) 513-4242 Fax: (770) 513-4242  
Project No. SCG Project No. 0912011

KEY PLAN

Revision	Date	Description
1	4/15/11	Addressing#4 & Co-ordination
2	4/17/11	City Review Comments
3	2/21/11	Addressing#2
4	2/10/11	Addressing#1

Project No. A109132.00

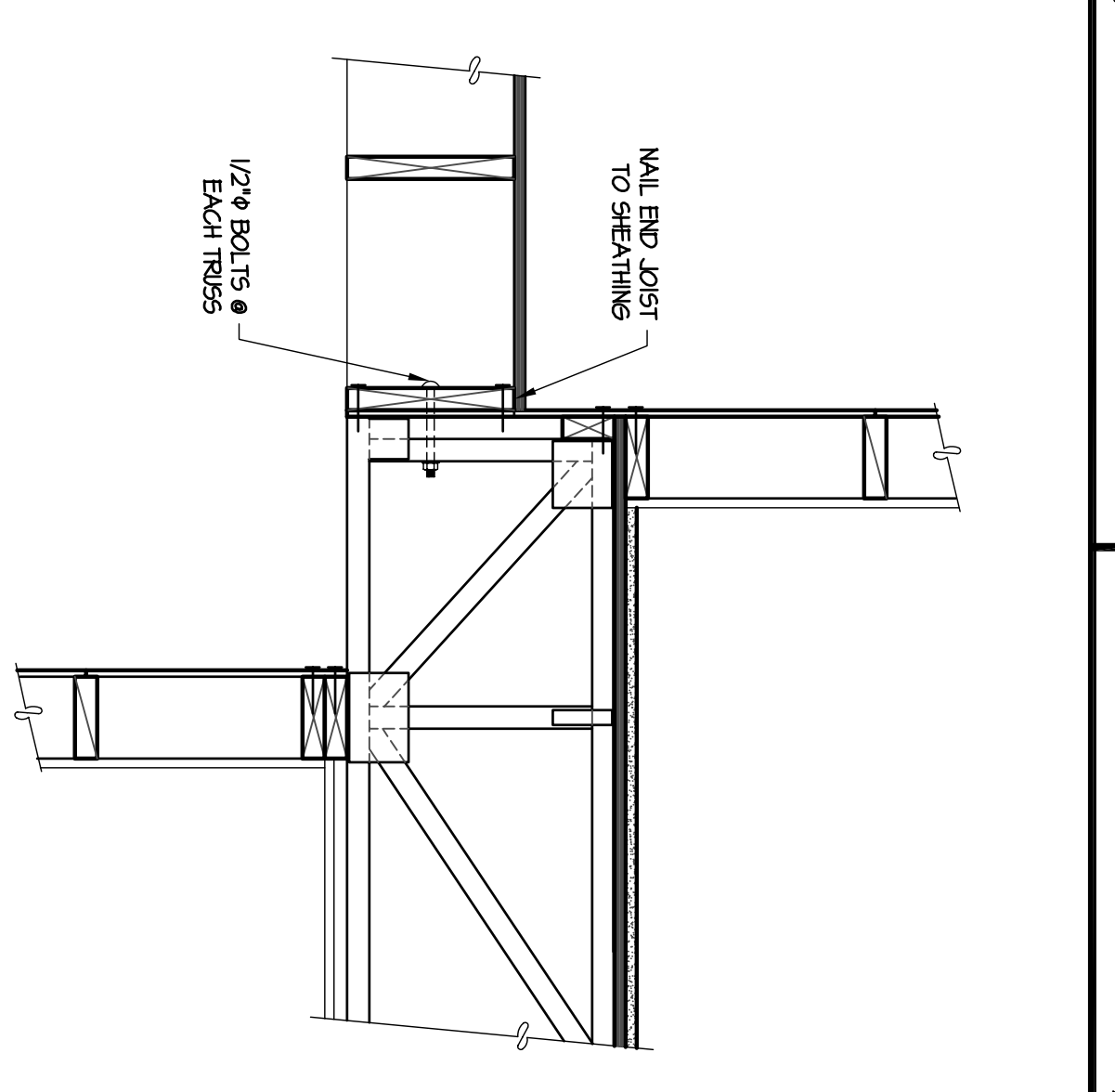
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Scale: AUGUST 1, 2011

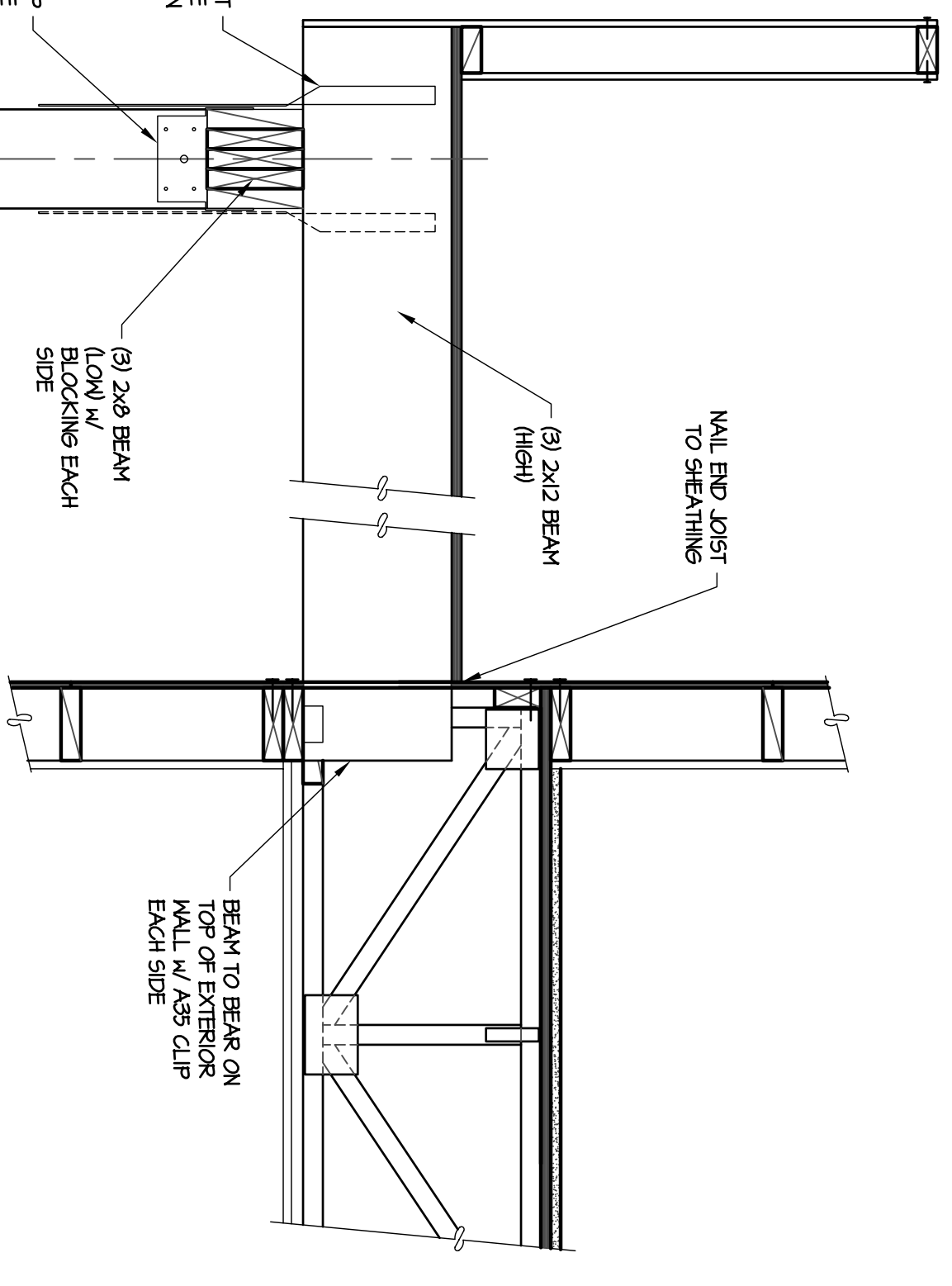
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Sheet Number: **S1.2.2**

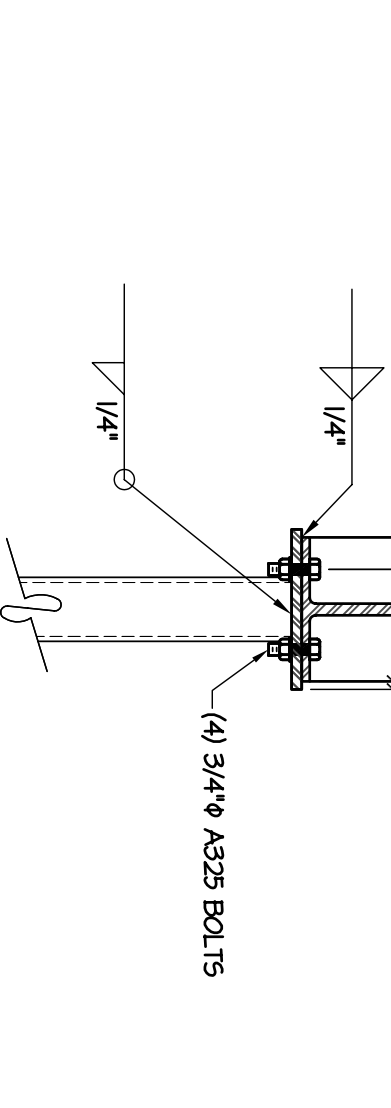
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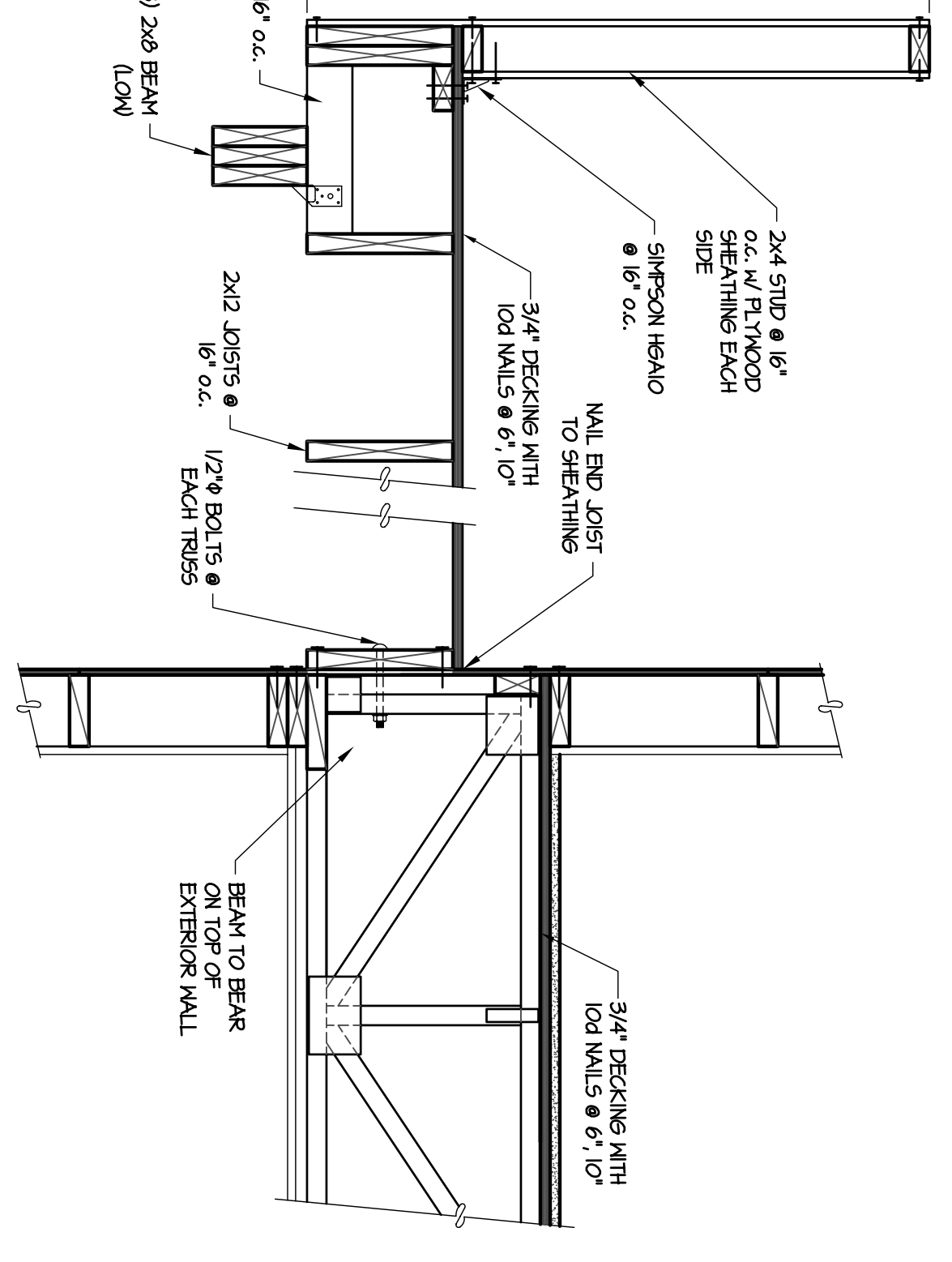
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NOT TO SCALE



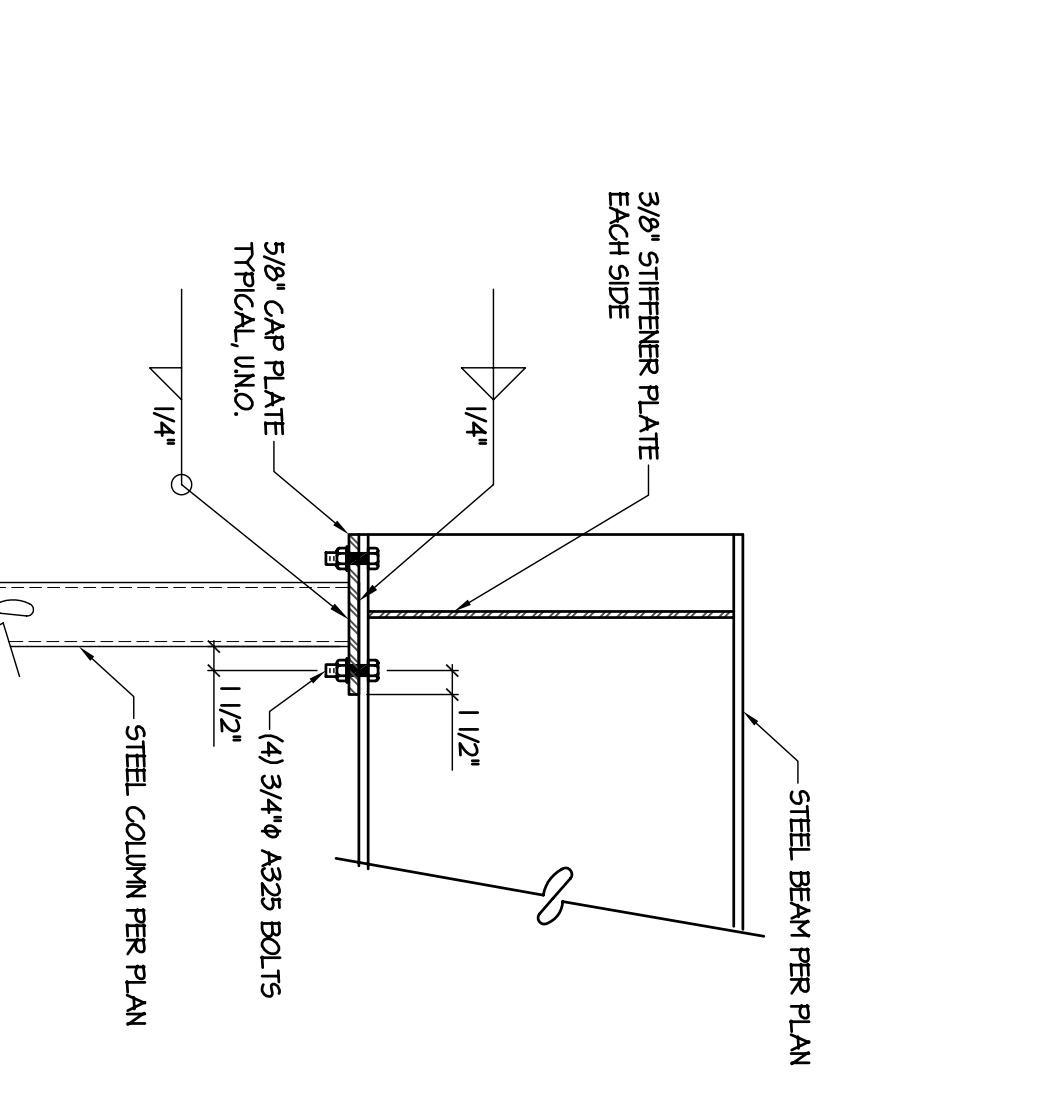
**4 COLUMN TO BEAM AT COVERED FRONT ENTRY**  
NOT TO SCALE



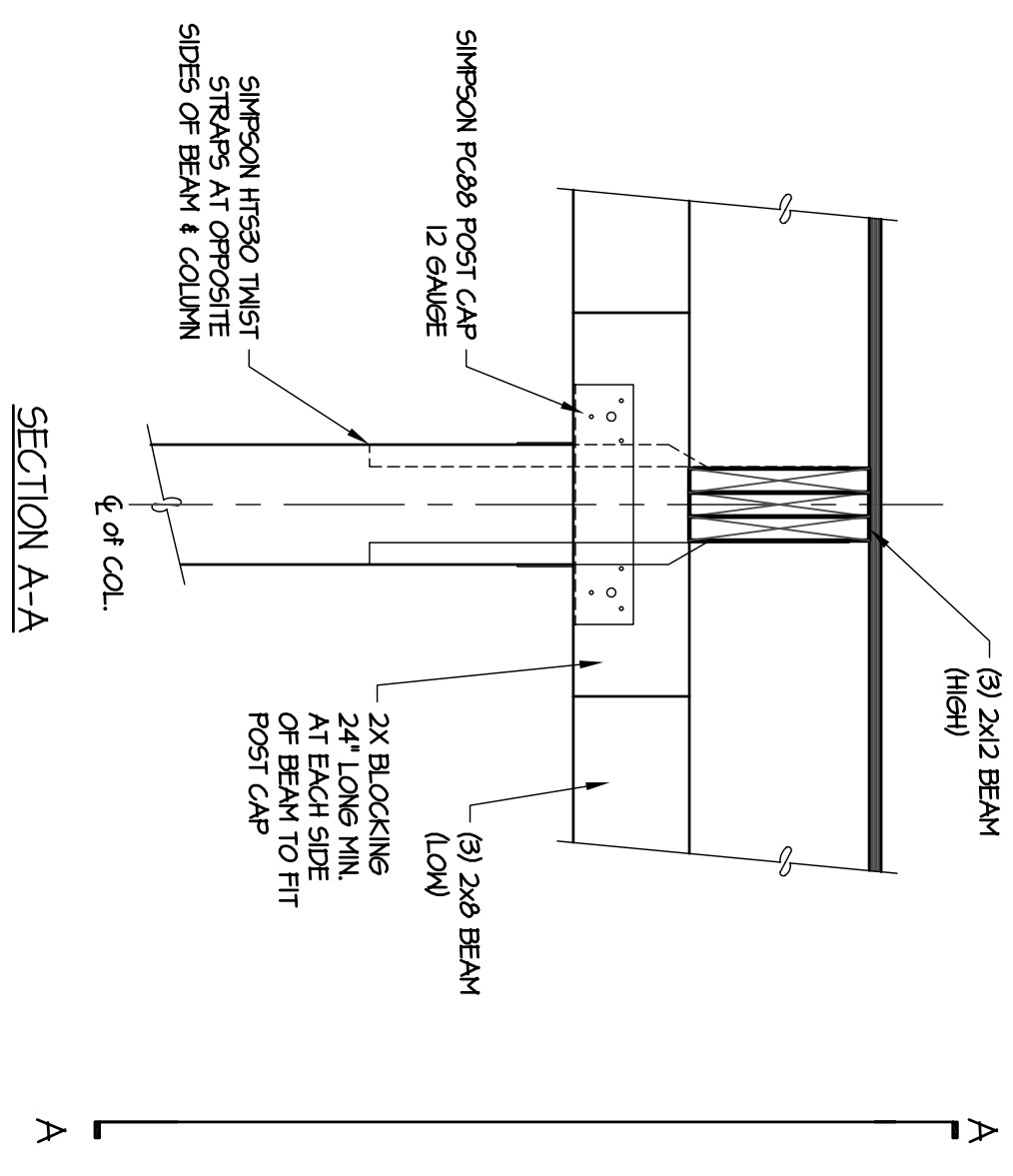
**2 BEAM SPLICE CONNECTION**  
NOT TO SCALE



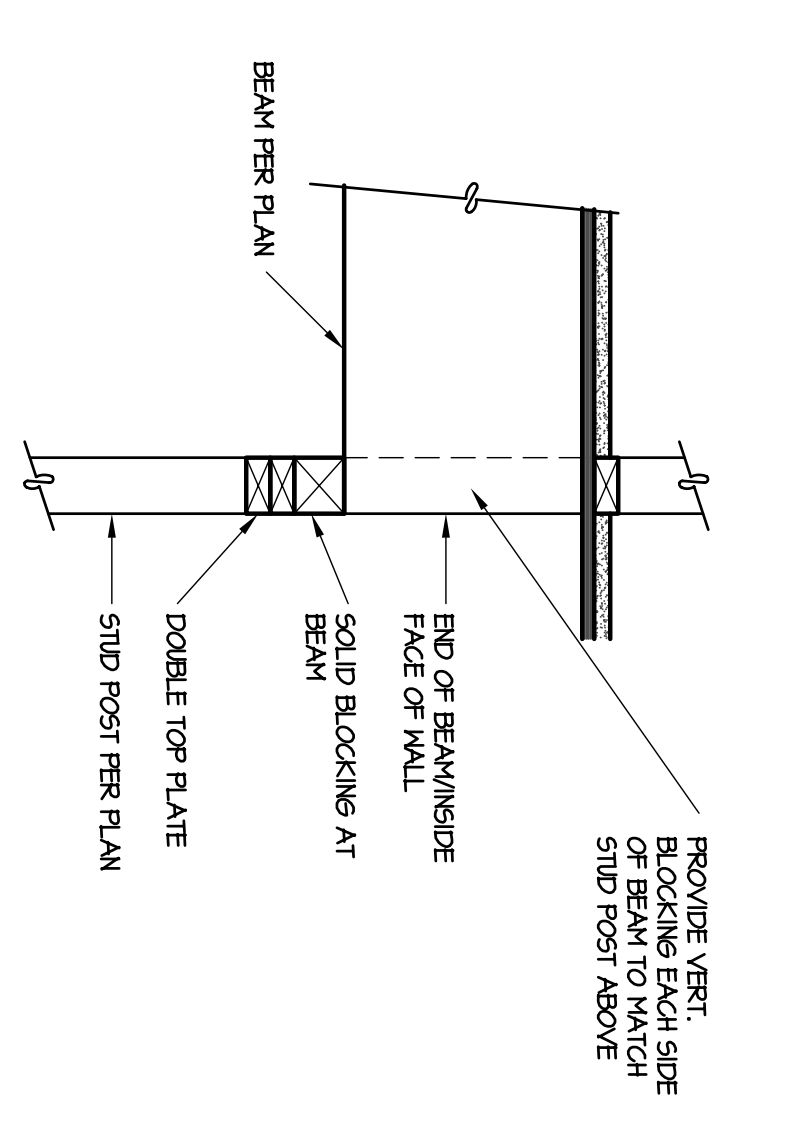
**3 BEAM TO JOIST AT COVERED FRONT ENTRY**  
NOT TO SCALE



**1 BEAM TO COLUMN MOMENT CONNECTION**  
NOT TO SCALE

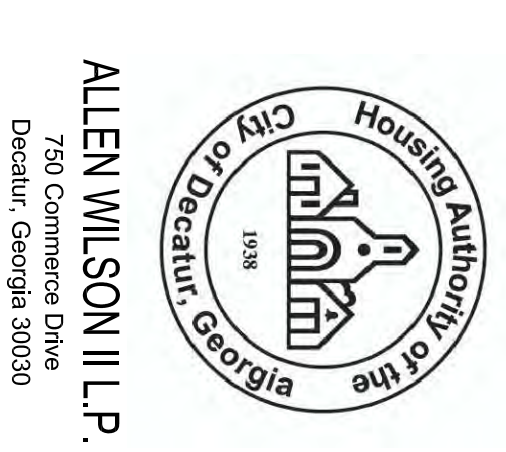


**NOTE:**  
- ALL HARDWARE/CONNECTORS AT FRONT ENTRY MUST BE HOT DIP GALVANIZED (G95).



**NOTE:**  
DO NOT HANG CORRIDOR BEAM TO LEDGER AT ALL STUD WALL LOCATIONS.

**3 CORRIDOR BEAM BEARING**  
NOT TO SCALE



ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



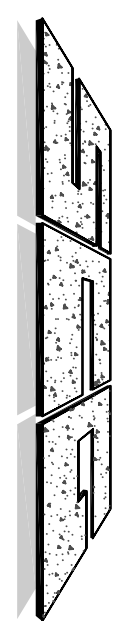
HARPER AIKEN DONAHUE & PARTNERS  
2727 PENNANT BLVD. | ATLANTA, GEORGIA 30355  
T: 404.233.4468 | F: 404.233.7393 | L: 404.303.9395  
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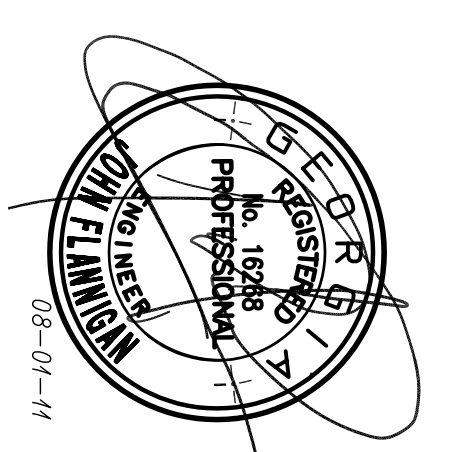
Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6172  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILOH ROAD, SUITE 330  
ALPHARETTA, GA 30005  
Phone: 770-441-5242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770-441-5247 Fax: 770-448-0282  
Contact: VERN SMITH



Structural Consulting Group, LLC  
6250 Shiloh Rd., Suite 330, Alpharetta, GA 30005  
Phone: (770) 513-4242 Fax: (770) 513-4282  
SCG Project No. 0912011



KEY PLAN

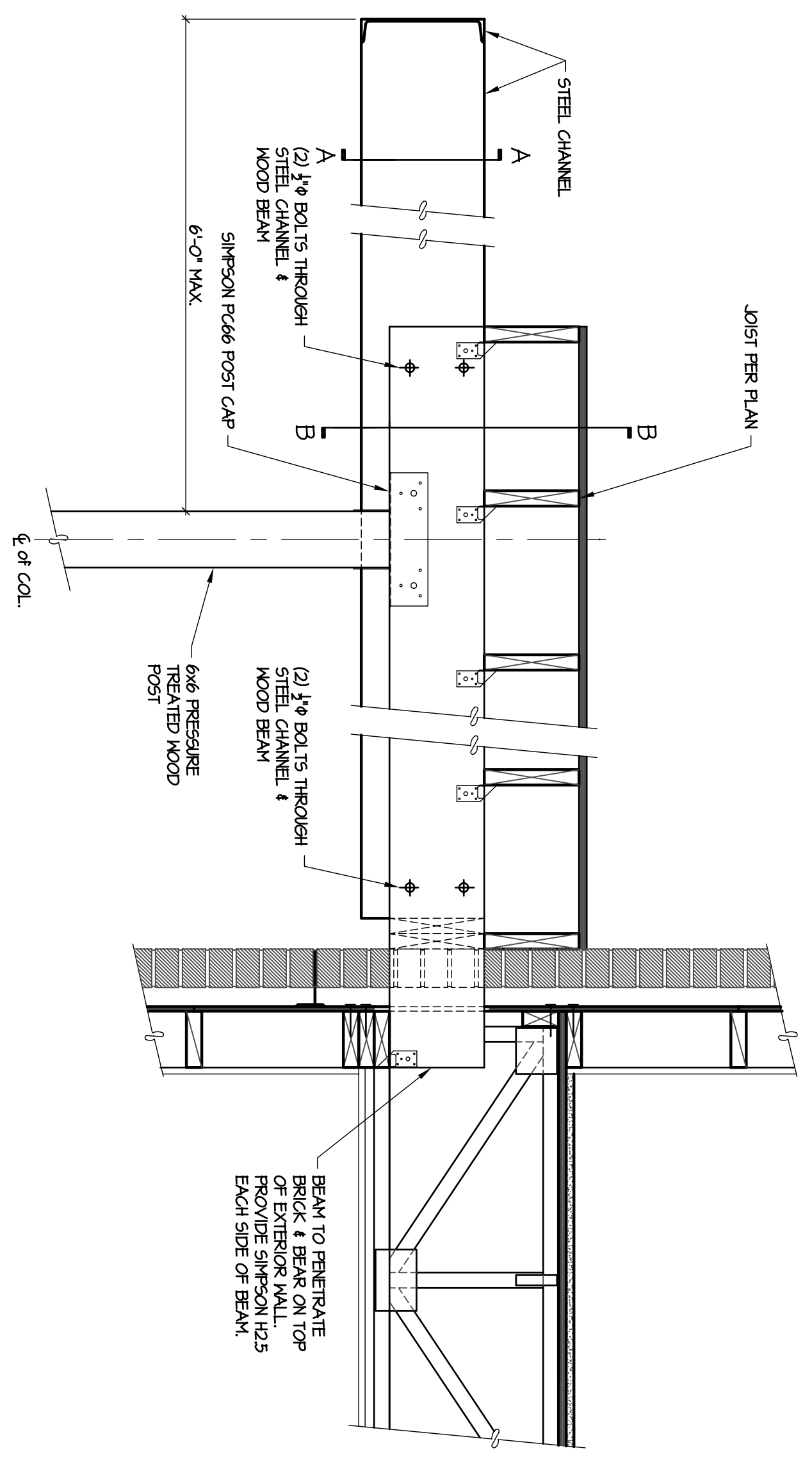
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2	City Review Comments	4/1/11
3	Addressing#2	2/21/11
4	Addressing#1	2/10/11

Project No: AH09132.00  
File Name: NTS  
Scale: NTS  
Date: AUGUST 1, 2011  
Drawing Title: COVERED ENTRY FRAMING DETAILS

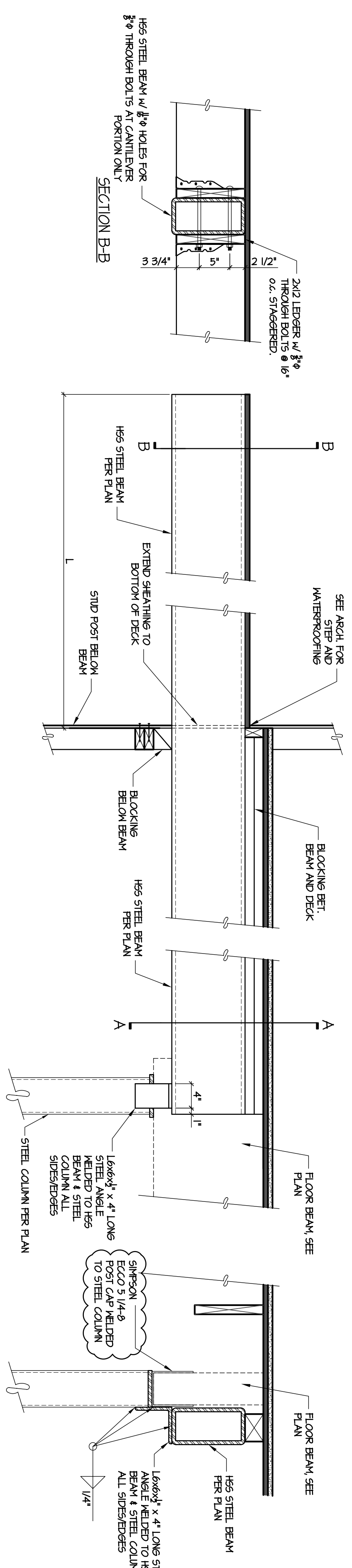
Sheet Number  
**S1.2.3**

Professional of Record: Stewart Aiken  
Professional Registration No. CA 3015

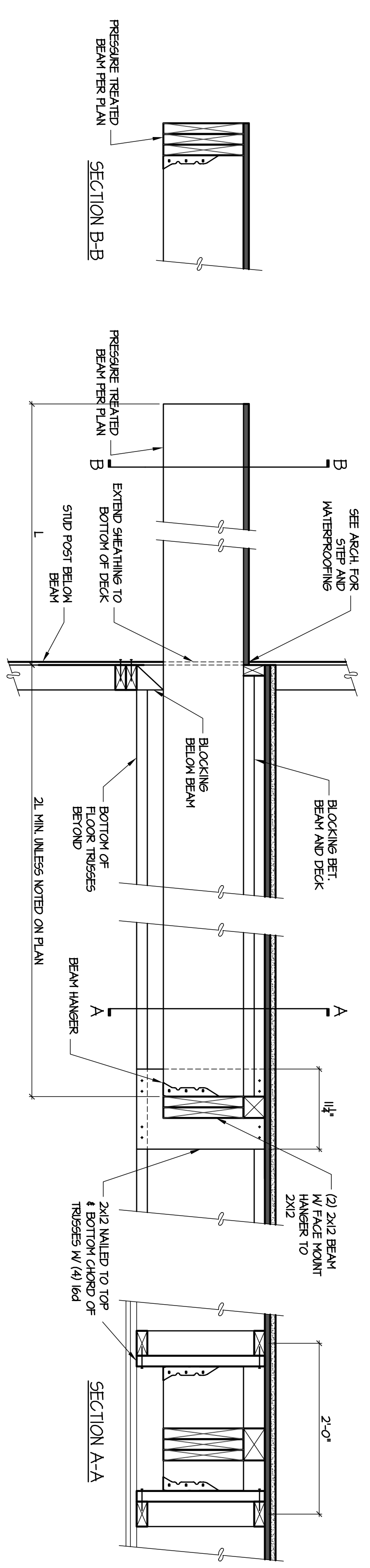
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3 SECTION AT COVERED SIDE ENTRY  
S1.2.3 NOT TO SCALE




2 CANTILEVER CANOPY SECTION AT STEEL BEAM  
S1.2.3 NOT TO SCALE



1 CANTILEVER CANOPY SECTION AT WOOD BEAM  
S1.2.3 NOT TO SCALE




  
 ALLEN WILSON III, L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
 Commerce Drive  
 Decatur, Georgia

**OLIVER HOUSE**

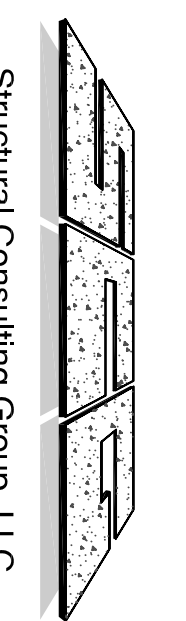

  
**HADP**  
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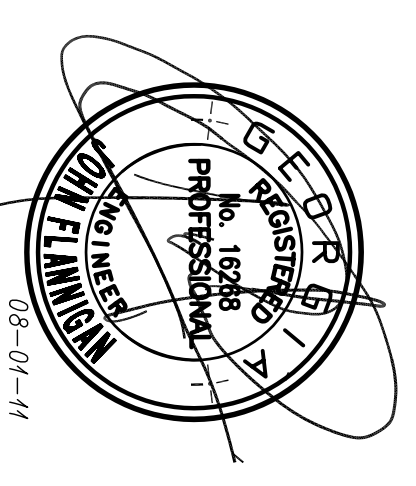
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 2727 PENNANT BLVD., ATLANTA, GEORGIA 30305  
 T: 404-233-4488 | F: 404-233-7281 | LIC. NO. AA 000242  
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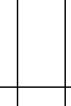
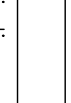
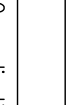

Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 6011  
 Atlanta, GA 30308 Phone: 404-201-6172  
 Contact: MARK KELBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILOH ROAD, SUITE 330  
 LITTLE ROCK, AR 72209  
 Phone: 501-241-5000  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shepherd Road, Suite 200  
 Norcross, GA 30093  
 770-441-5547 Fax: 770-448-0282  
 Contact: VERN SMITH


  
**Structural Consulting Group, LLC**  
 6250 Shiloh Rd., Suite 330  
 Little Rock, AR 72209  
 Phone: (501) 513-4242 Fax: (501) 513-4282  
 Project No. AUG09132.00


  
 JOHN FLANNIGAN  
 No. 16288  
 PROFESSIONAL ENGINEER  
 08-01-11

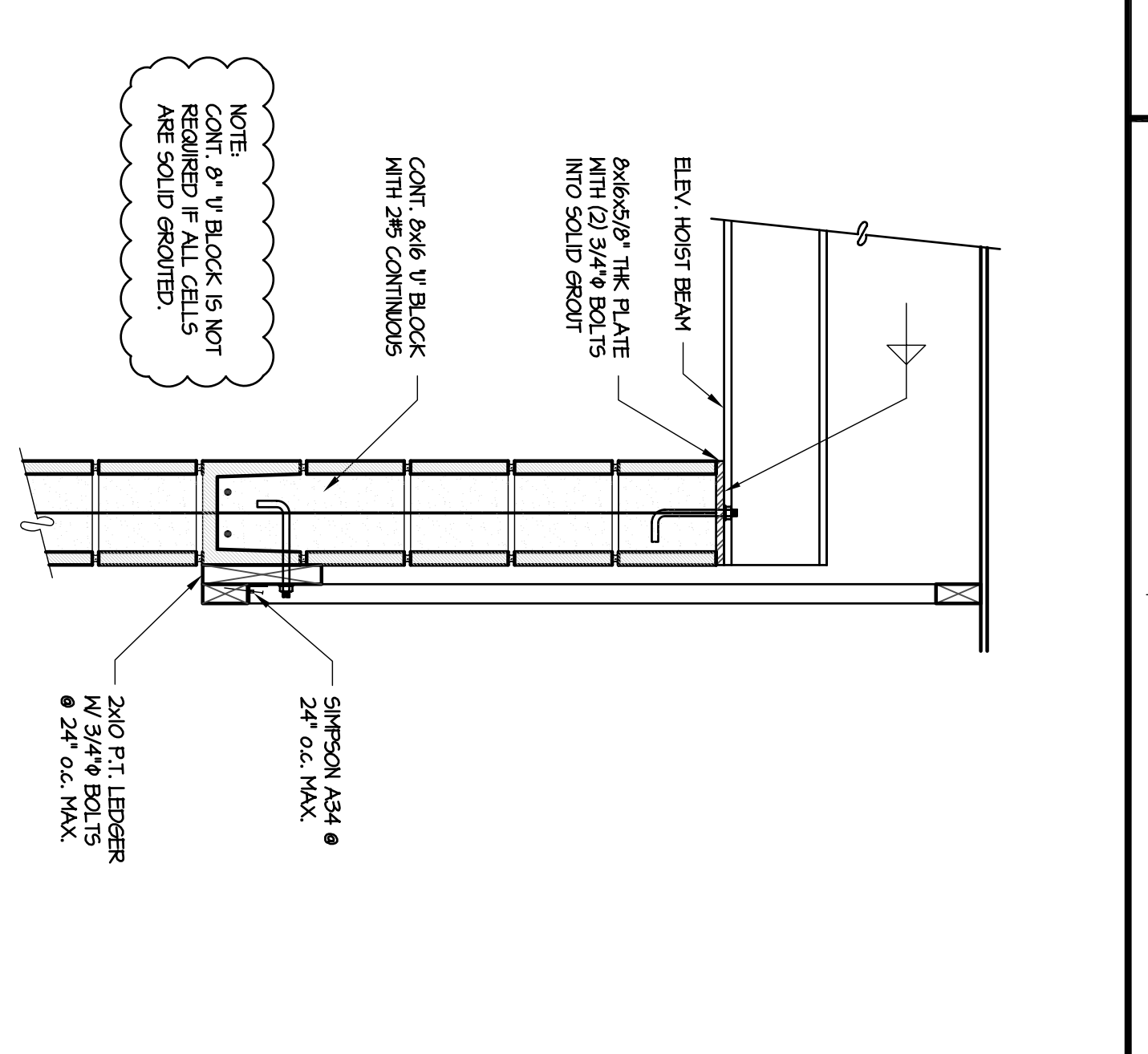
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Revision:	Date
Project No.:	AUG09132.00
File Name:	
Scale:	NTS
Date:	AUGUST 1, 2011

**ROOF FRAMING DETAILS**  
**S1.3.0**

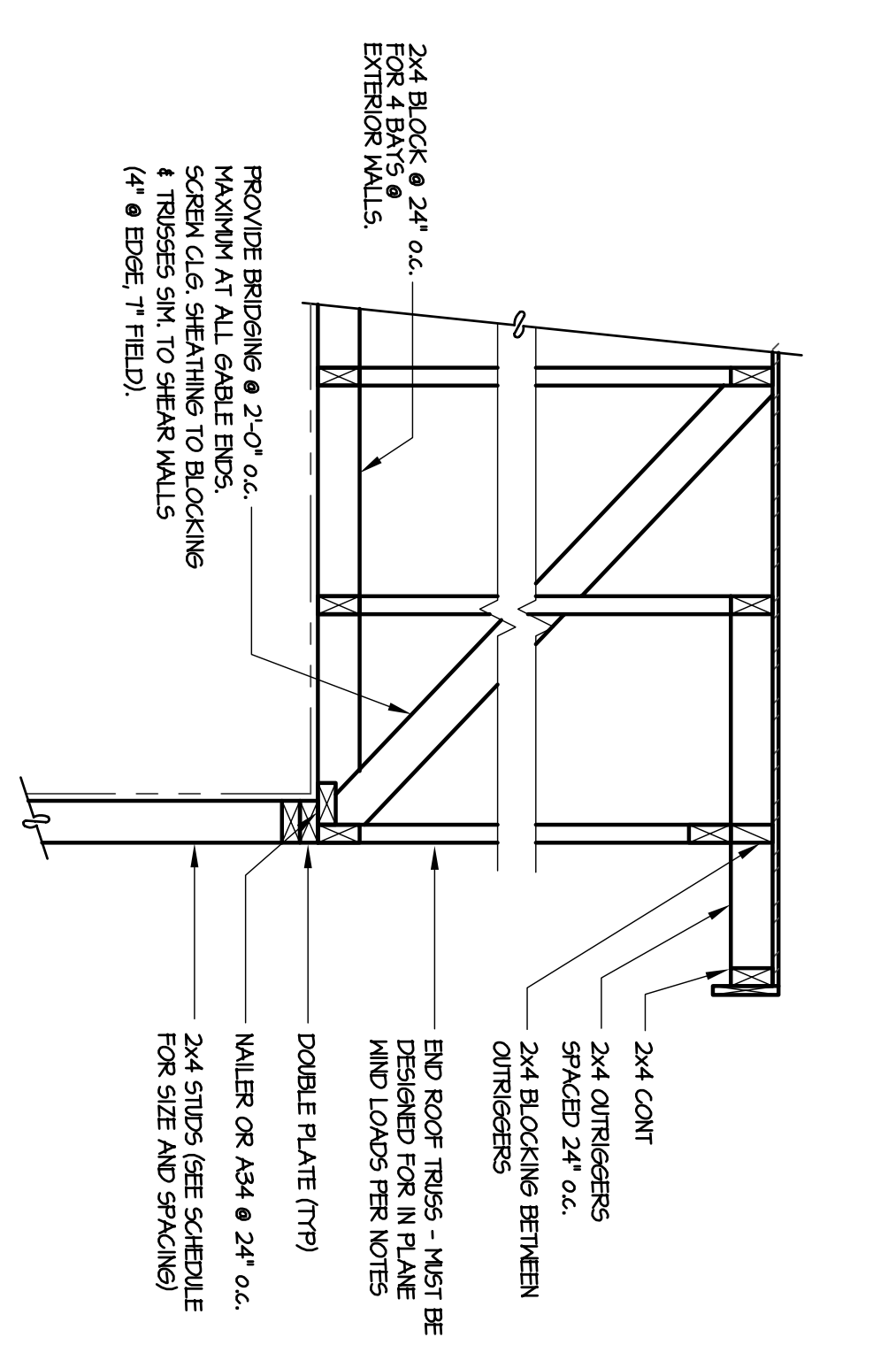
Sheet Number  
**S1.3.0**

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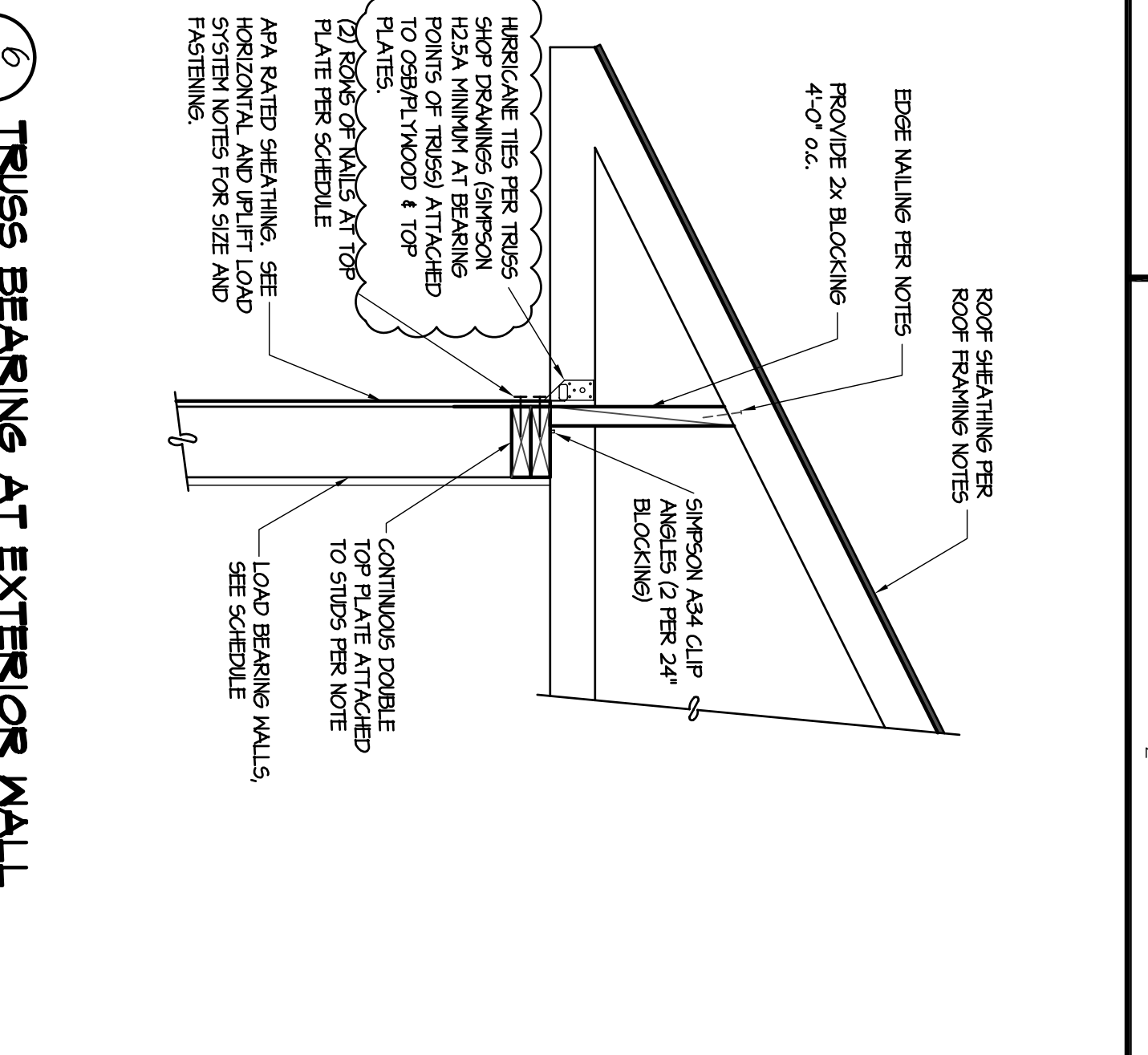
Professional of Record: Stewart Aiken  
 Professional Registration No. GA 3015



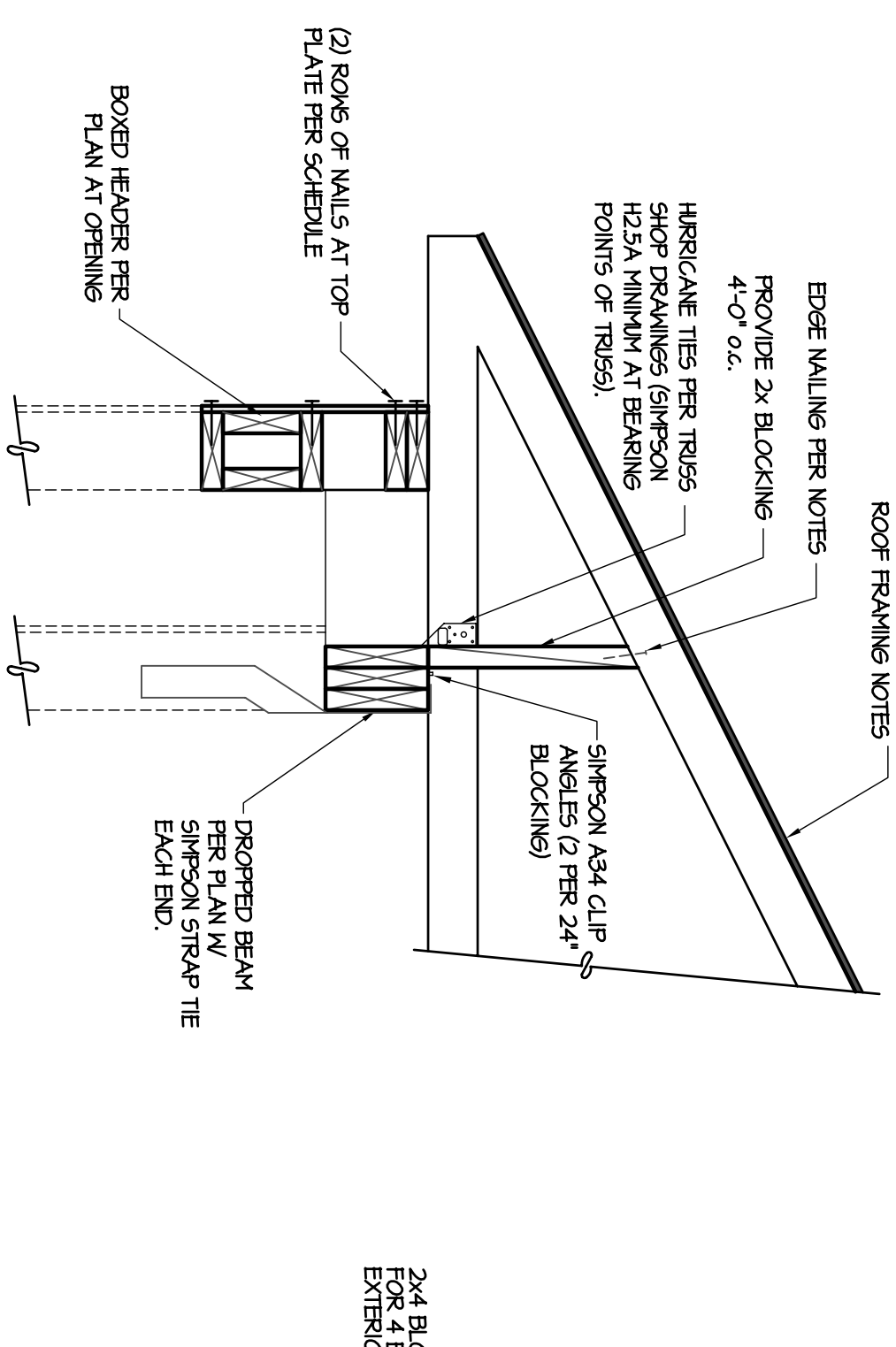
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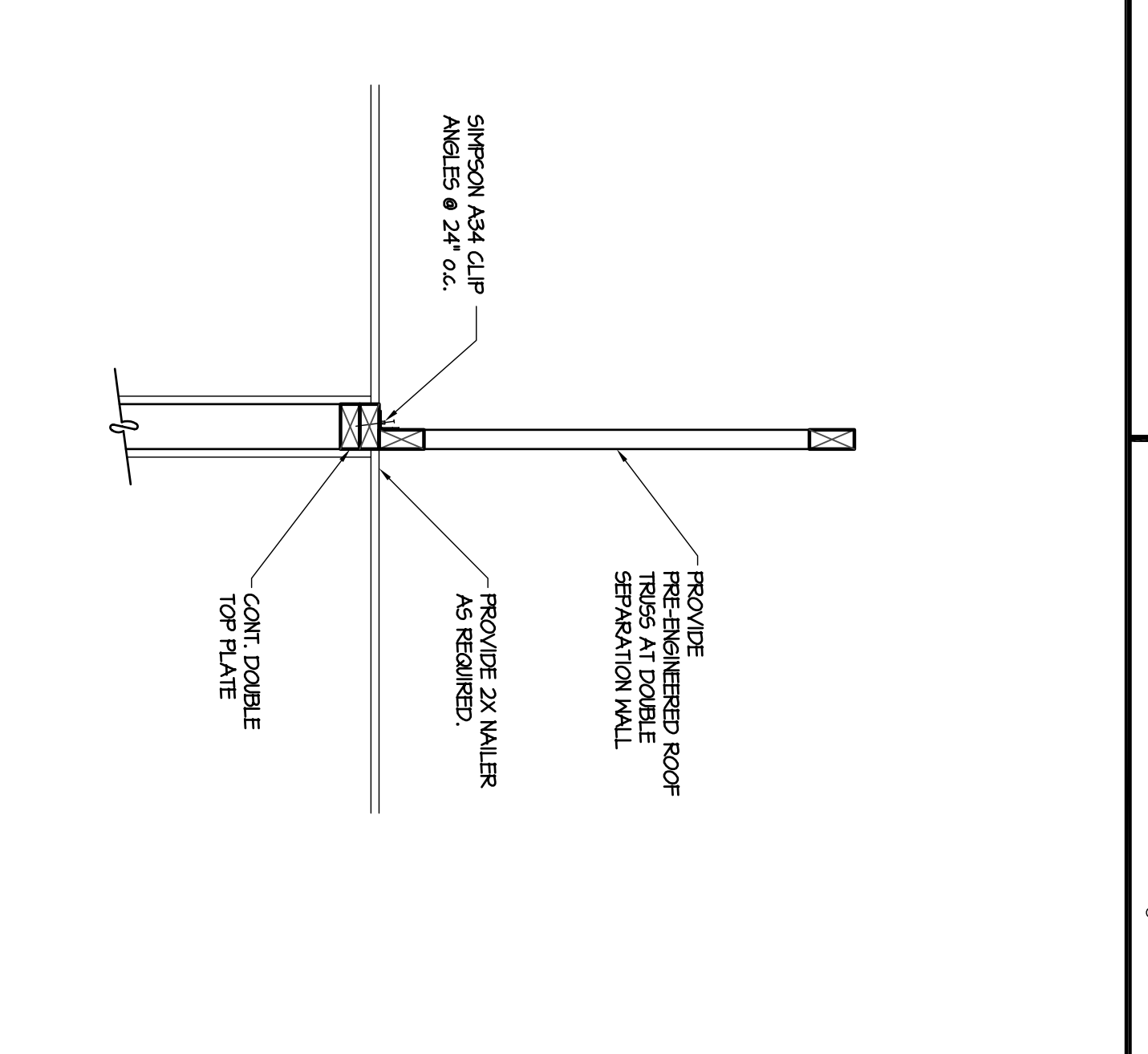
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 S1.3.0 NOT TO SCALE



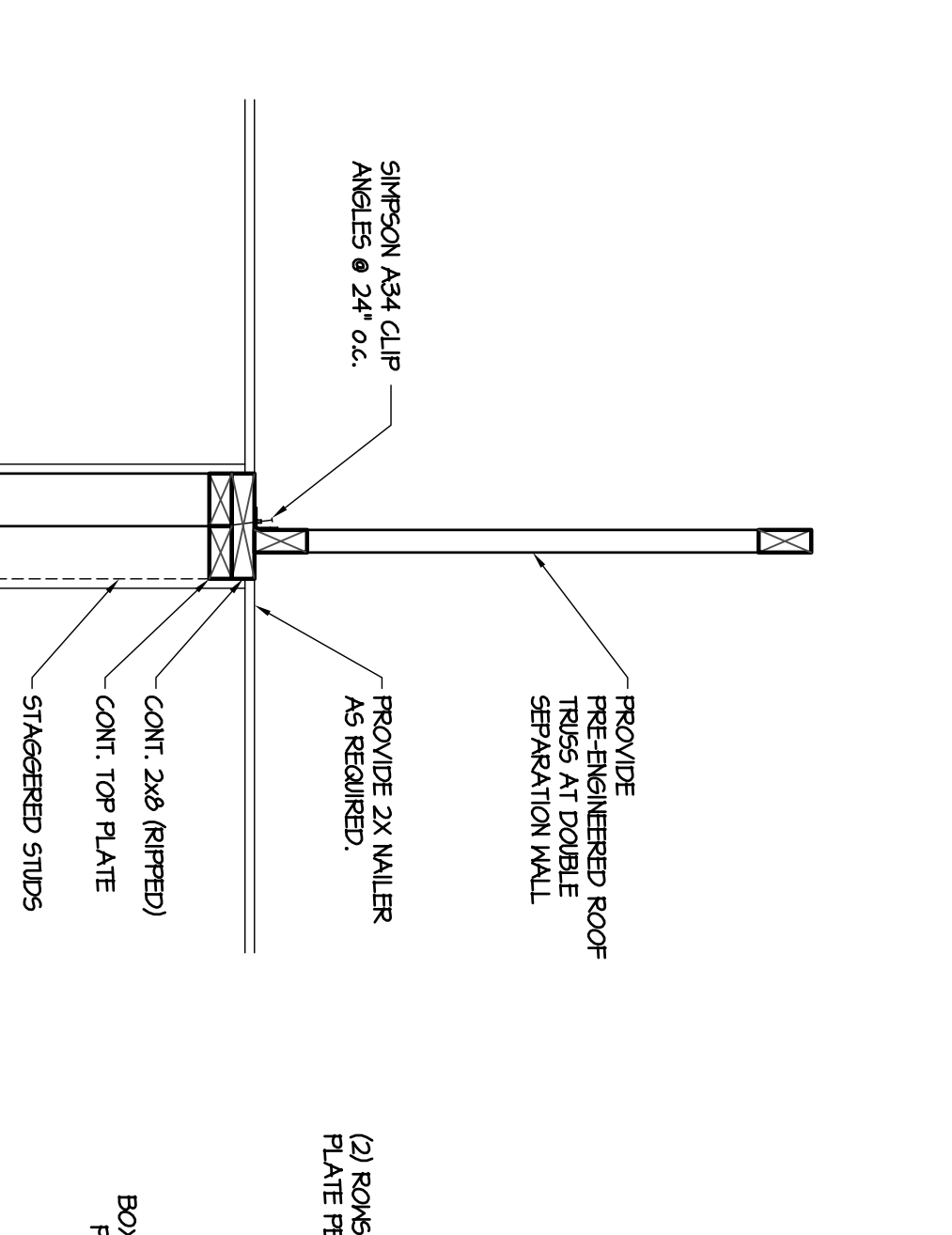
**6 TRUSS BEARING AT EXTERIOR WALL**  
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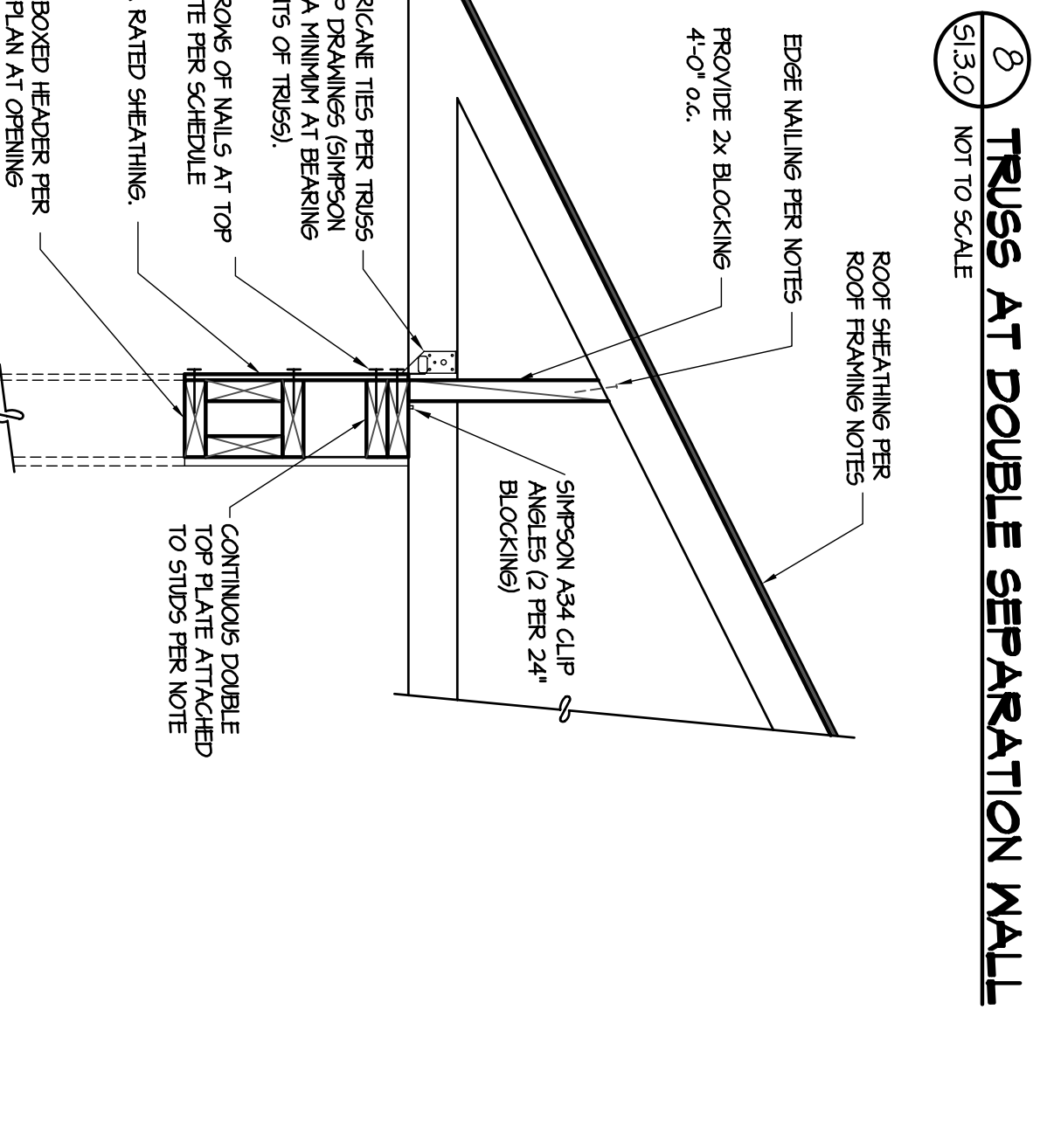
**5 BAY WINDOW SECTION AT ROOF**  
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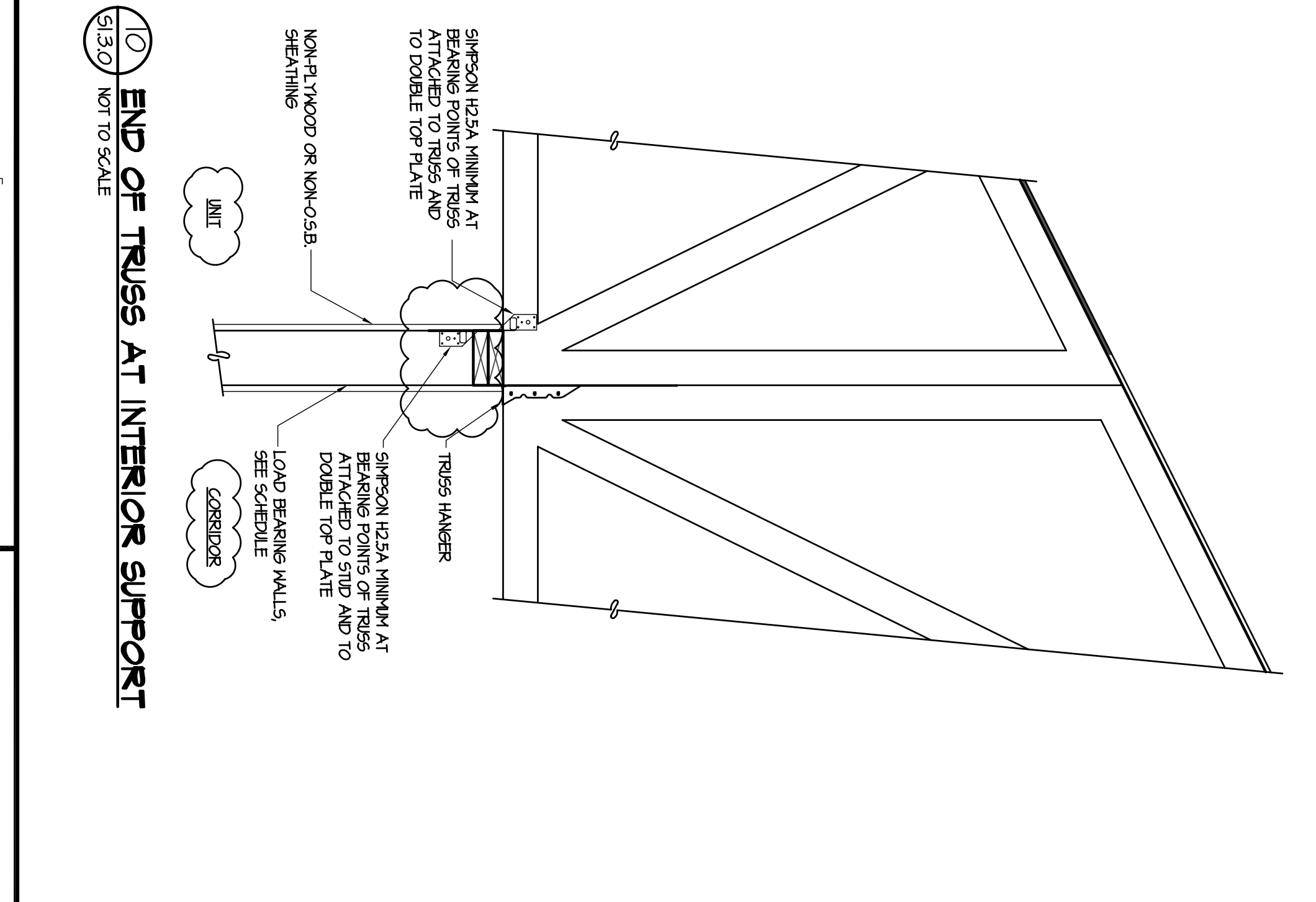
**4 TRUSS AT INTERIOR WALL**  
 S1.3.0 NOT TO SCALE



**8 TRUSS AT DOUBLE SEPARATION WALL**  
 S1.3.0 NOT TO SCALE



**7 TRUSS BEARING AT EXTERIOR HEADER**  
 S1.3.0 NOT TO SCALE



**10 END OF TRUSS AT INTERIOR SUPPORT**  
 S1.3.0 NOT TO SCALE



ALLEN WILSON III L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia



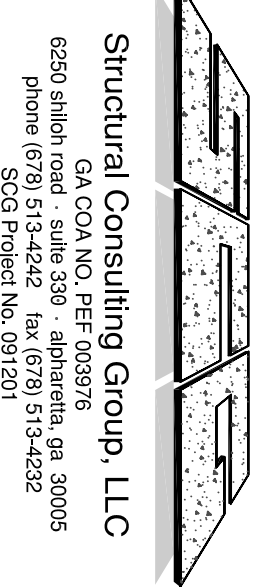
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2727 PENNANT BLVD | ATLANTA | GEORGIA 30305  
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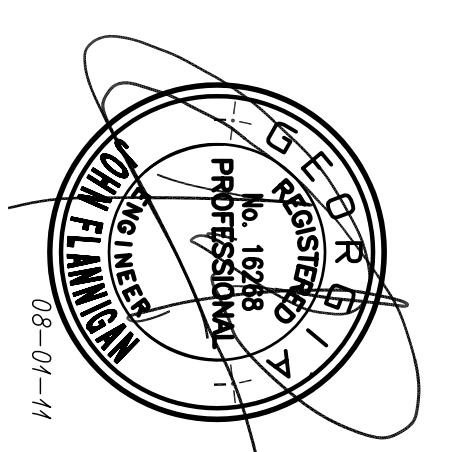
Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6172  
Contact: MARK KELLY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILOH RD. SUITE 330  
LITTLE ROCK, GA 30085  
Phone: 770-444-6282  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shadedford Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-444-6282  
Contact: VERN SMITH



Structural Consulting Group, LLC  
6250 Shiloh Rd. Suite 330  
Little Rock, GA 30085  
Phone: (770) 513-4242 Fax: (770) 513-4232  
SCG Project No. 0912011



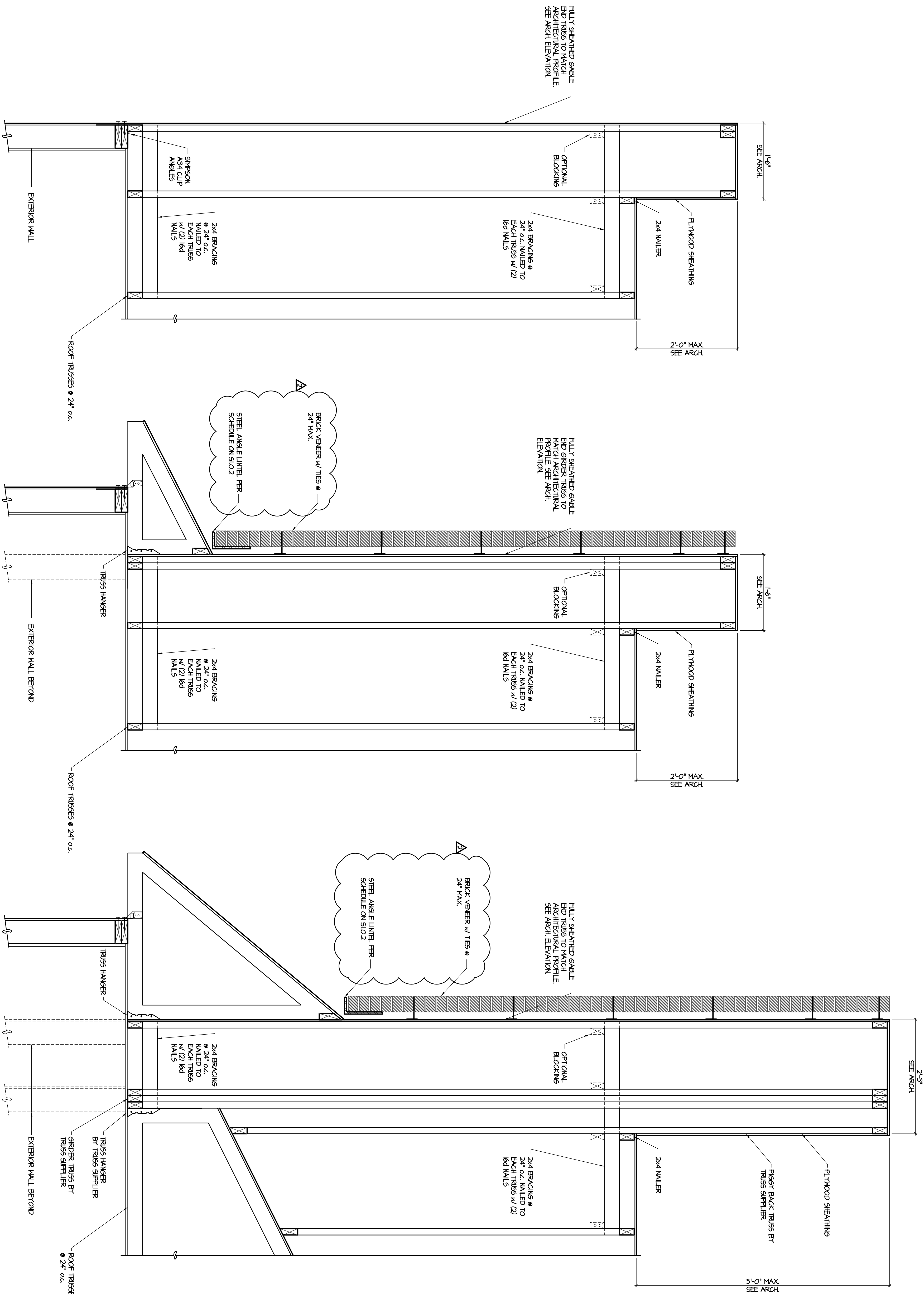
KEY PLAN

Revision	Description	Date
1	Addressing#4 & Co-orientation	4/15/11
2	City Review Comments	4/17/11
3	Addressing#2	2/21/11
4	Addressing#1	2/10/11

Scale: NTS  
Date: AUGUST 1, 2011  
Drawing Title: ROOF FRAMING DETAILS  
Sheet Number: S1.3.1

Professional of Record: Stewart Aiken  
Professional Registration No. GA 3015

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3 ROOF SECTION AT REAR FACADE  
NOT TO SCALE

2 ROOF SECTION AT SIDE FACADE  
NOT TO SCALE

1 ROOF SECTION AT FRONT FACADE  
NOT TO SCALE

Final Construction Set, August 1, 2011

COLUMN FOOTING SCHEDULE	
MARK	SOIL BEARING PRESSURE = 1500 PSF
F4.0	4'-0" SQ. X 12"
F4.5	4'-6" SQ. X 12"
F5.0	5'-0" SQ. X 12"
F5.5	5'-6" SQ. X 12"
F6.0	6'-0" SQ. X 12"
F6.5	6'-6" SQ. X 12"
F7.0	7'-0" SQ. X 14"
F7.5	7'-6" SQ. X 14"
F8.0	8'-0" SQ. X 14"
F8.5	8'-6" SQ. X 14"

**FOUNDATION NOTES:**

- BUILDING SLAB ON GRADE TO BE 4" THICK WITH FIBER REINFORCING OR 6x6-#4@14" W/F PER CONCRETE AND FOUNDATION NOTES #12 ON SLO.0.
- PARKING SLAB ON GRADE TO BE 5" THICK W/ 6x6-#4@14" W/F PER CONCRETE AND FOUNDATION NOTES #12 ON SLO.0.
- SLOPE SLAB TO FLOOR DRAINS PER ARCHITECTURAL AND PLUMBING PLANS.
- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- COORDINATE TOP OF FOOTINGS WITH PLUMBING PLANS.
- COORDINATE TOP OF EXTERIOR FOOTINGS WITH CIVIL GRADING PLAN AND FOUNDATION NOTES ON SLO.0.
- 5M CONTROL JOINTS IN SLAB ON GRADE PER NOTE #12 OF CONCRETE AND FOUNDATION NOTES ON SLO.0.
- SEE GEOTECHNICAL REPORT FOR UNDERLAYMENT REQUIREMENT AND SURGRADE PREPARATION BELOW SLAB ON GRADE.
- INDICATES LOAD BEARING STUD WALLS. LOAD BEARING STUD WALL ARE ALSO SHEARWALLS. REFER TO NOTE TO OF HORIZONTAL & UPLIFT NOTES ON SLO.1 FOR CONNECTION TO FOUNDATION.
- 5M1 INDICATES HOLLOW BEARING SHEARWALLS. REFER TO NOTE TO OF HORIZONTAL AND UPLIFT NOTES ON SLO.1 FOR CONNECTION TO FOUNDATION.
- SIMPSON LTR6 HOLDOWN WITH (2) 2x6 STUDS AT EACH END OF SHEARWALL. SEE PLAN FOR CONNECTIONS.
- SIMPSON HIT4 HOLDOWN WITH 4x4 POST OR (2) 2x6 AT EACH END OF SHEARWALL. SEE PLAN FOR CONNECTIONS.
- BC - INDICATES #5 1/2 X 3 1/2 X 5/8" STEEL COLUMN FOR BRICK APPROXIS. SEE PLAN FOR LOCATION.
- GRADE BEAM BETWEEN STEEL COLUMN TO BE 24" X 24" W/ 2 #6 CONT. TOP & BOTTOM @ 45 TIES @ 24" O.C.

DIAGONAL HATCHING INDICATES TOP OF FOOTING ELEVATION AT 1'-6" BELOW TOP OF SLAB.

NOTE: GEO-FIBERS CAN BE USED TO SUPPORT THE FOOTINGS AND SLABS-ON-GRADE DESIGN AND INSTALLATION OF GEO-FIBERS MUST COMPLY WITH SOILS ENGINEER'S RECOMMENDATIONS ON NEWKAMAND DATED FEBRUARY 16, 2011. GEO-FIBER DESIGNER TO PROVIDE SIGNED AND SEALED DESIGN CALCULATIONS AND SHOP DRAWINGS PRIOR TO CONSTRUCTION. SPREAD FOOTINGS LARGER THAN 5'-0" SQ CAN BE REDUCED TO 5'-0" SQ WITH GEO-FIBERS BELOW.

Final Construction Set, August 1, 2011

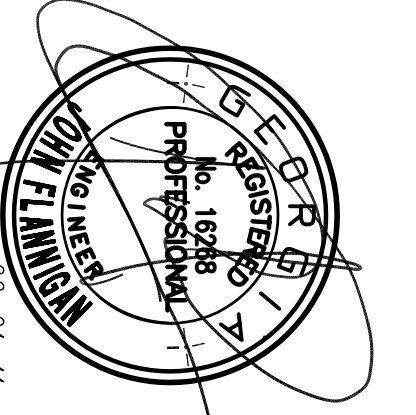

  
**ALLEN WILSON III L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

**OLIVER HOUSE**  
 Decatur, Georgia


  
**HADP ARCHITECTURE, INC.**  
 HARPER AIKEN DONAHUE & PARTNERS  
 2727 PENNANT BLVD., ATLANTA, GEORGIA 30305  
 T: 404-233-4861 | F: 404-233-7381 | L: C. No. AA 0002442  
 E: info@hadp.com | www.hadp-arch.com

**STRUCTURAL CONSULTING GROUP**  
 6520 SHILOH ROAD SUITE 330  
 ATLANTA, GA 30305  
 P: 404-525-1400  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shepherd Road, Suite 200  
 Norcross, GA 30093  
 770-441-5547 Fax: 770-448-0282  
 Contact: VERN SMITH

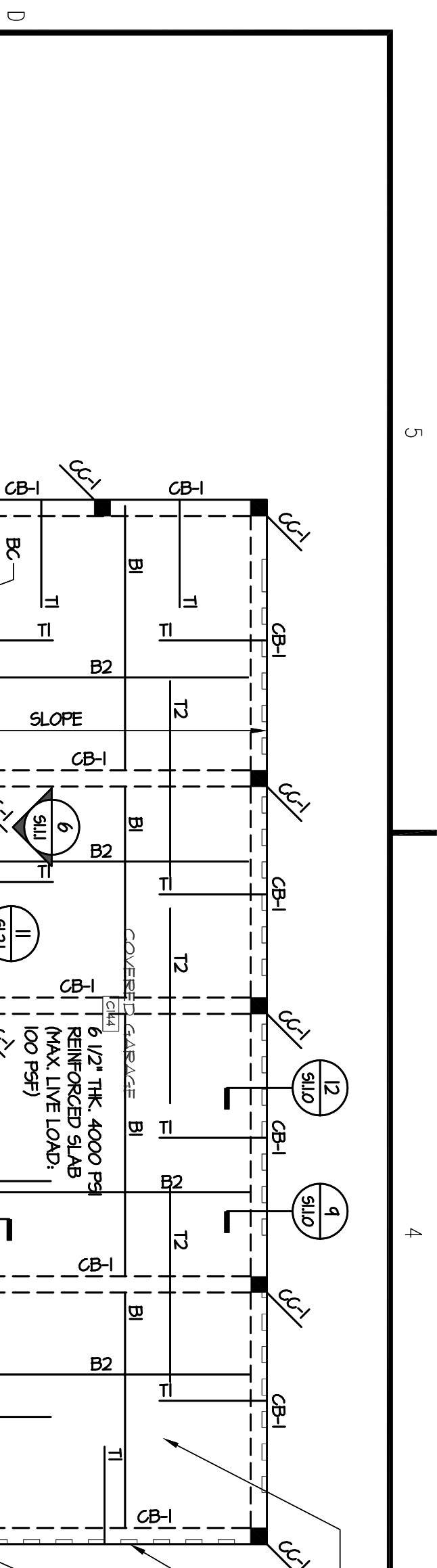

  
**Structural Consulting Group, LLC**  
 6520 Shiloh Rd. Suite 330  
 Atlanta, GA 30305  
 Phone: (770) 513-4242 Fax: (770) 513-4232  
 Project No. A109132.00

**FOUNDATION PLAN**  
**S2.1.0**

Scale	1/8" = 1'-0"	Date	AUGUST 1, 2011
Drawing Title	FOUNDATION PLAN		
Sheet Number	S2.1.0		

Revisions	Description	Date
1	Addressed #1 & Co-ordination	4/15/11
2	City Review Comments	4/1/11
3	Addressed #2	2/21/11
4	Addressed #1	2/20/11

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SLOPE TO DRAIN ENTIRE STRUCTURE SEE ARCH FOR SLOPE INFORMATION

CS-1 INDICATES 12" WIDE BEAM (4000 PSF) W/ 3#4 TOP & 4#4 TIES @ 12" O.C.

CS-2 INDICATES 12" WIDE BEAM (4000 PSF) W/ 4#4 VERT. BARS & 4#4 TIES @ 12" O.C.

SLAB REBAR SCHEDULE			
MARK	SIZE/SPACING	REMARKS	
B1	4# @ 12" O.C.	BOTTOM 1ST LAYER	
B2	4# @ 12" O.C.	BOTTOM 2ND LAYER	
T1	4# @ 12" O.C. X 6'-0"	TOP W/ 12" HOOK AT BEAM	
T2	4# @ 12" O.C. X 12'-0"	TOP, CENTERED AT BEAM	
T3	4# @ 12" O.C. X 12'-0"	TOP, CENTERED AT BEAM	
T4	5# @ 12" O.C. X 16'-0"	TOP	

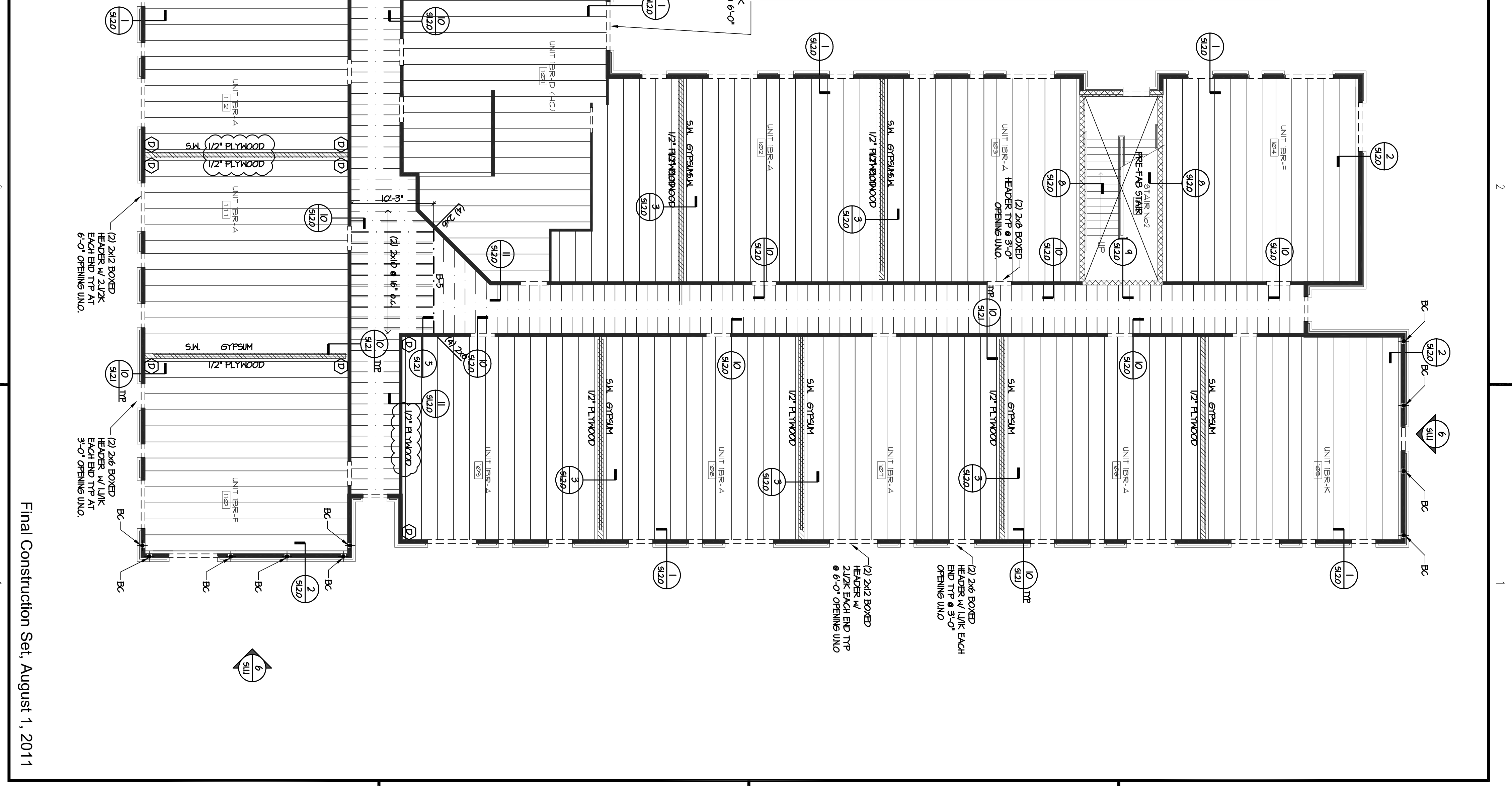
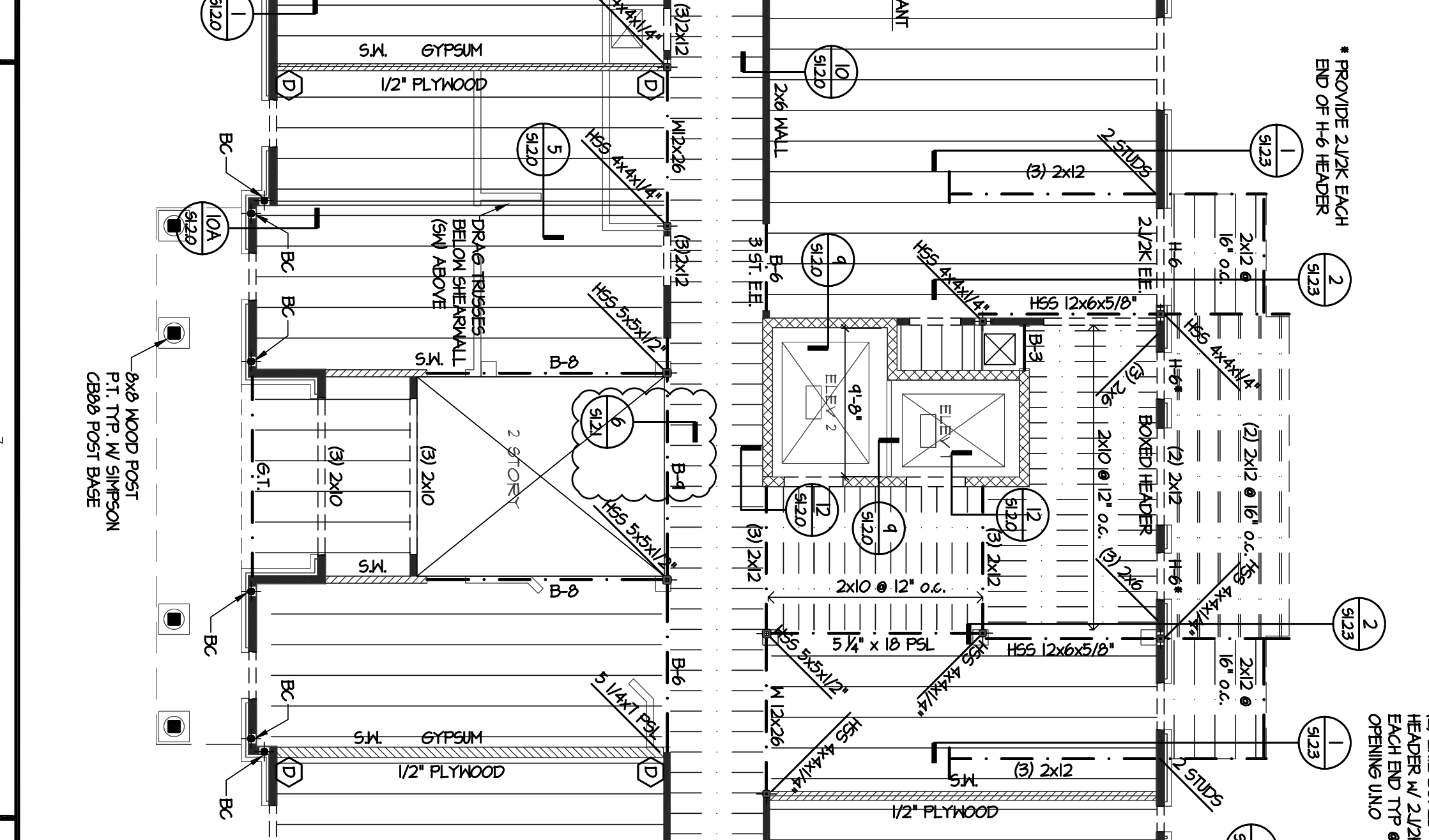
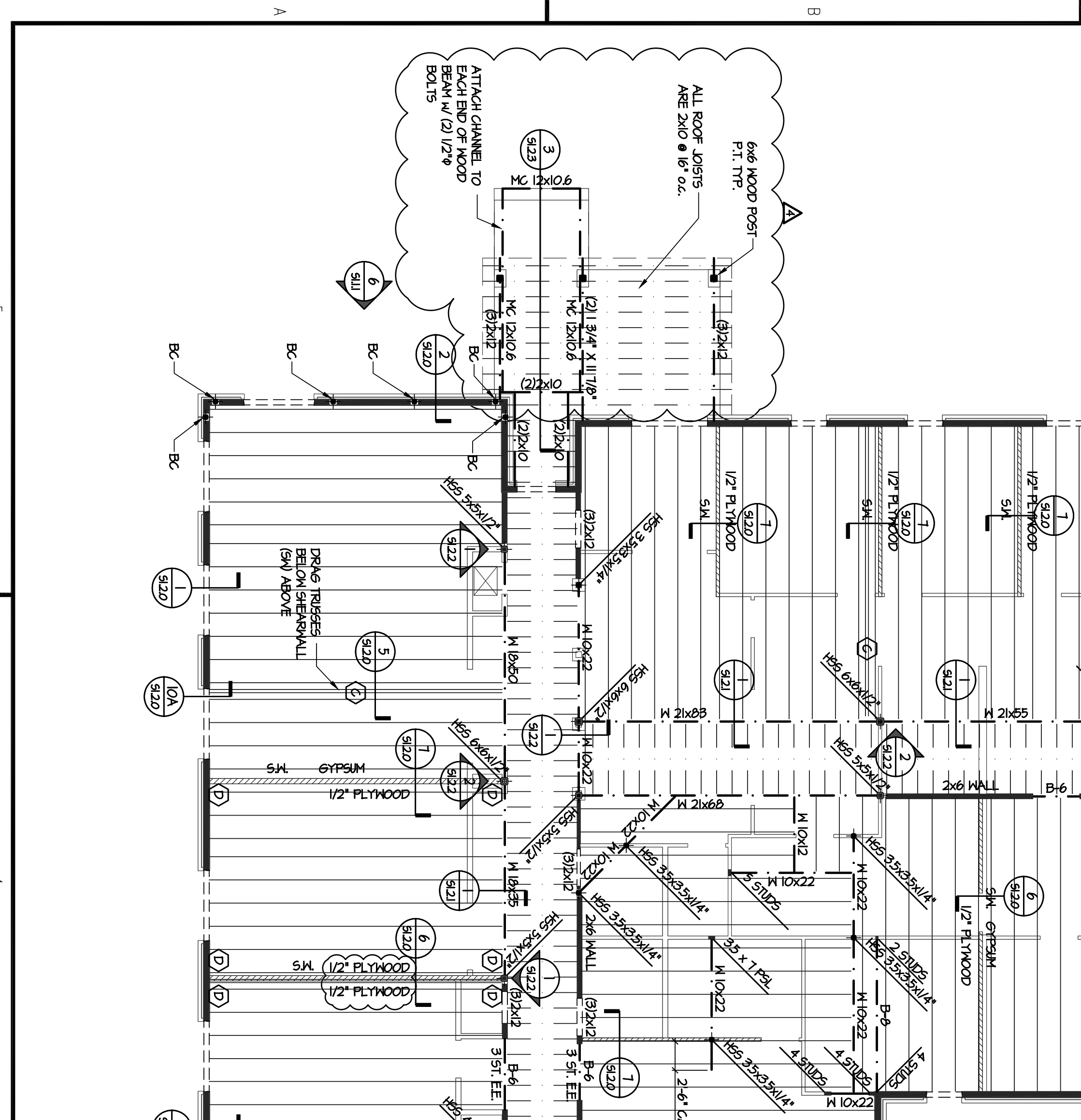
BOTTOM BARS, 3/4" CONCRETE COVER  
TOP BARS, 1 1/2" CONCRETE COVER

**NOTE TO TRUSS SUPPLIER:**

- ALL FLOOR TRUSSES THAT BEAR ON STEEL BEAMS MUST HAVE FLOOR BEARS TO DETAILS 1 & 2 (S12)

**WOOD FRAMING NOTES:**

- FRAMING AT UNITS TO BE 20" DEEP OPEN WEB TRUSSES SPACED AT 24" O.C. MAX. UNLESS NOTED OTHERWISE.
- FRAMING AT CORNERS TO BE 2X10 AT 6" O.C. MAX UNLESS NOTED OTHERWISE.
- ALL CORRIDOR BEAMS SHALL BEAR DIRECTLY ON STUDS AND NOT TO HANG ON LEVER. SEE DETAIL 6/9/22.
- FLOOR SHEATHING TO BE 3/4" T&G PLYWOOD WITH 1/4" VALS @ 6" O.C. ALL EDGES AND 1/2" O.C. IN FIELD.
- PROVIDE A MINIMUM OF (3) STUDS AT EACH END OF BEAM UNLESS NOTED OTHERWISE.
- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL PLANS.
- REFER TO ARCHITECTURAL, PLUMBING AND MECHANICAL PLANS FOR FLOOR OPENINGS.
- REFER TO S1100 FOR ADDITIONAL STRUCTURAL NOTES.
- INDICATES LOAD BEARING STUD WALLS. LOAD BEARING STUD WALL ARE ALSO SHEARWALLS. REFER TO NOTES 2 THRU 4 OF HORIZONTAL & VERTICAL WALLS ON S101 FOR SHEATHING AND FASTENING REQUIREMENTS.
- WALLS NOT SHOWN SOLID ARE NOT TO BE USED FOR BEARING.
- 5M. INDICATES NON-LOAD BEARING SHEARWALLS. REFER TO HORIZONTAL AND VERTICAL WALLS ON S101 FOR SHEATHING AND FASTENING REQUIREMENTS.
- UNITS SHOWN ON STRUCTURAL PLANS OCCUR BELOW FLOOR INDICATED.
- FOR ALL (3) 2X12 STAR BEAMS, USE SIMPSON HD2310-3-4575 OR HD310-3 HANGER OR EQUAL. USE ONLY SYSTEM APPROVED BY SUPPLIER.
- FOR ALL (3) 2X10 CORRIDOR BEAMS, USE SIMPSON HD4210-3 HANGER OR EQUAL.
- ALL NAILS FOR BEAM HANGERS MUST BE 16d & CLINCHED AT BACKSIDE OF 15L RIM BOARD.
- PROVIDE DRAG TRUSSES BELOW SHEARWALL ABOVE FOR 350 P.F.
- SEE PLAN FOR LOCATIONS. REFER TO DETAIL 5/9/20.
- PROVIDE SIMPSON HD366 STRAP AT EACH END OF SHEARWALL. SEE PLAN FOR LOCATIONS. REFER TO DETAIL 10/9/21.
- CS-1 INDICATES 12" X 12" X 3/4" STEEL COLUMN FOR BRICK SUPPORTS. SEE PLAN FOR LOCATIONS.



HOUSING Authority of the City of Decatur, Georgia

ALLEN WILSON  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON II, L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.

HARPER AIKEN DONAHUE & PARTNERS  
2727 PENNINGTON BLVD. | ATLANTA, GA 30335  
T: 404.233.4468 | F: 404.233.7361 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadparchitect.com

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Structural Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Atlanta Office  
Atlanta, GA 30308 Phone: 404.501.6172  
Contact: MARK KELLY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH ROAD, SUITE 330  
LAKEMOOD, GA 30055  
Phone: 404.244.4442  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770.441.5547 Fax: 770.446.0292  
Contact: YENI SMITH

**Structural Consulting Group, LLC**  
6250 Shiloh Road, Suite 330  
Lakemood, GA 30055  
Phone: 404.244.4442 Fax: 404.244.4442  
SCG Project No. 0912011

Professional Engineer  
**JOHN FLANNIGAN**  
08-01-11

Scale: 1/8" = 1'-0" Date: AUGUST 1, 2011

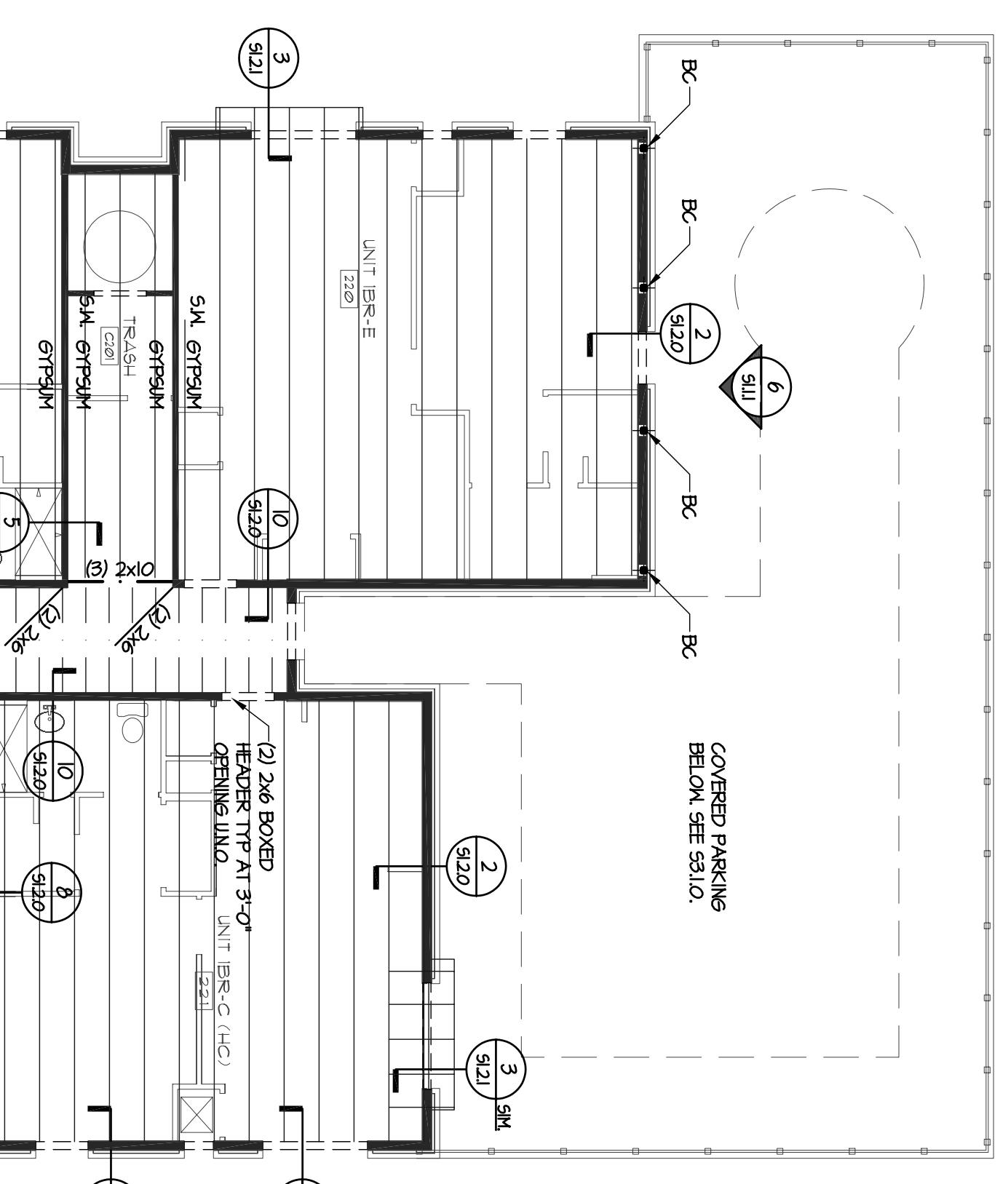
Sheet Number: **S3.1.0**

**SECOND FLOOR FRAMING PLAN**

Revision	Description	Date
1	Addressing 1 & Coordination	4/15/11
2	City Review Comments	4/17/11
3	Addressing 2	2/27/11
4	Addressing 1	2/10/11

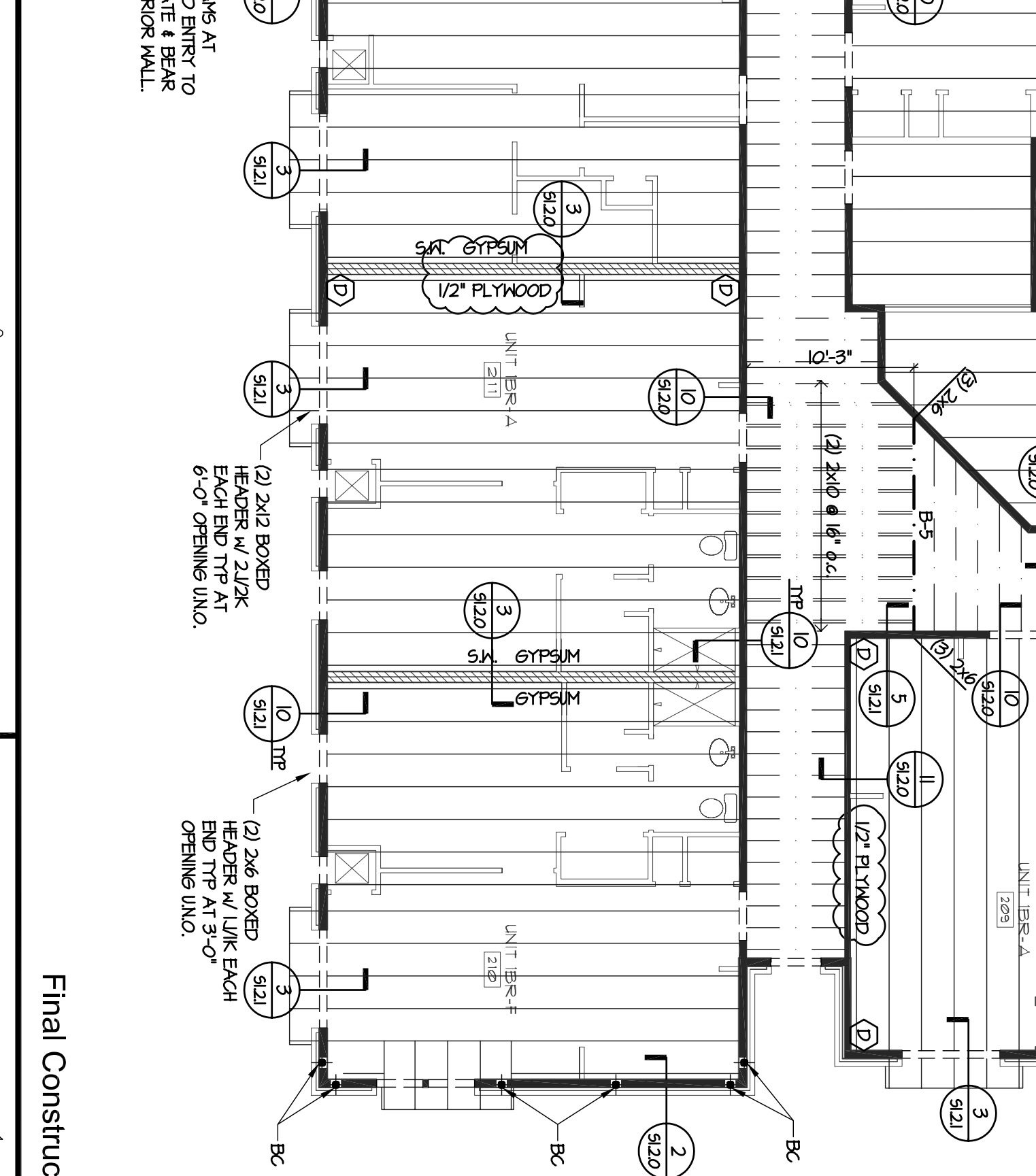
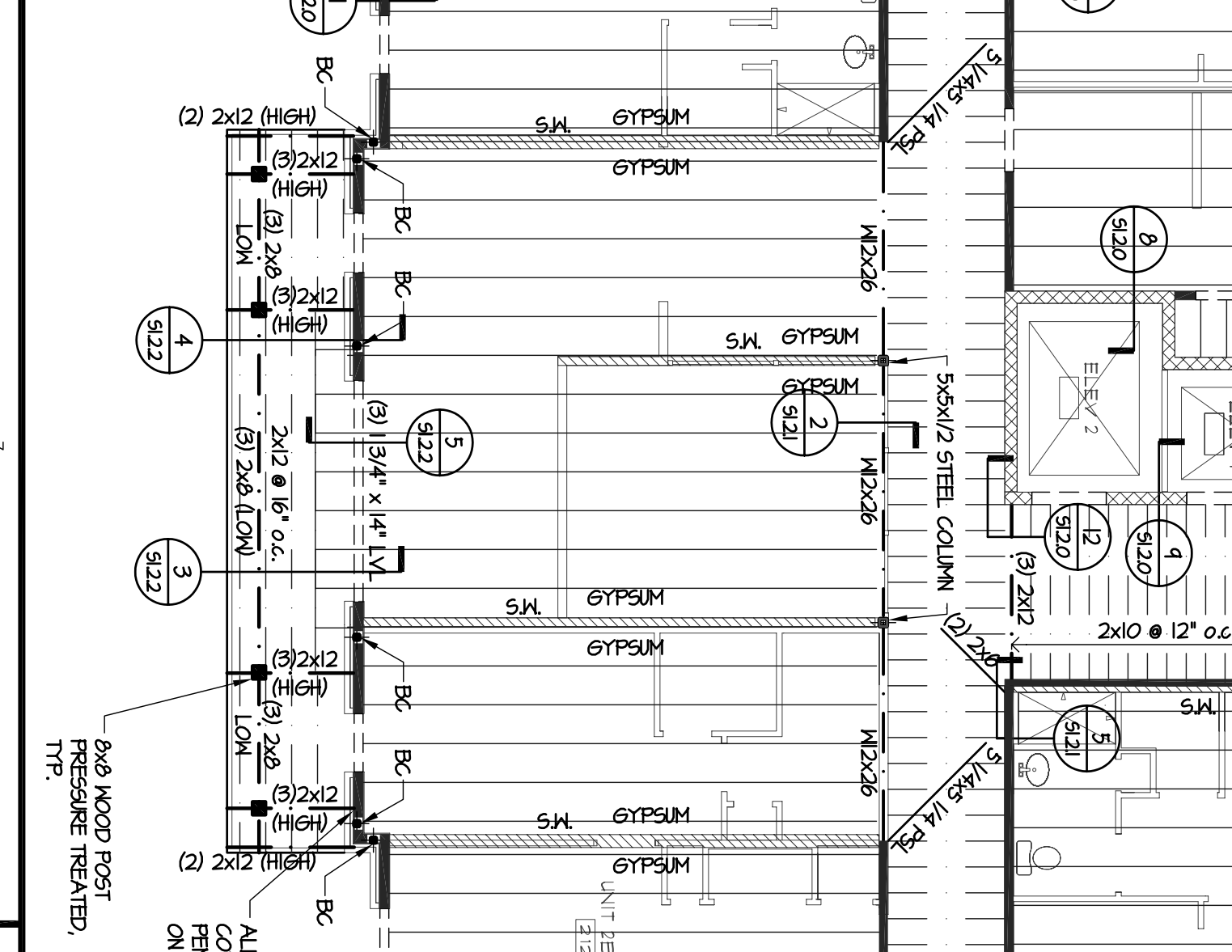
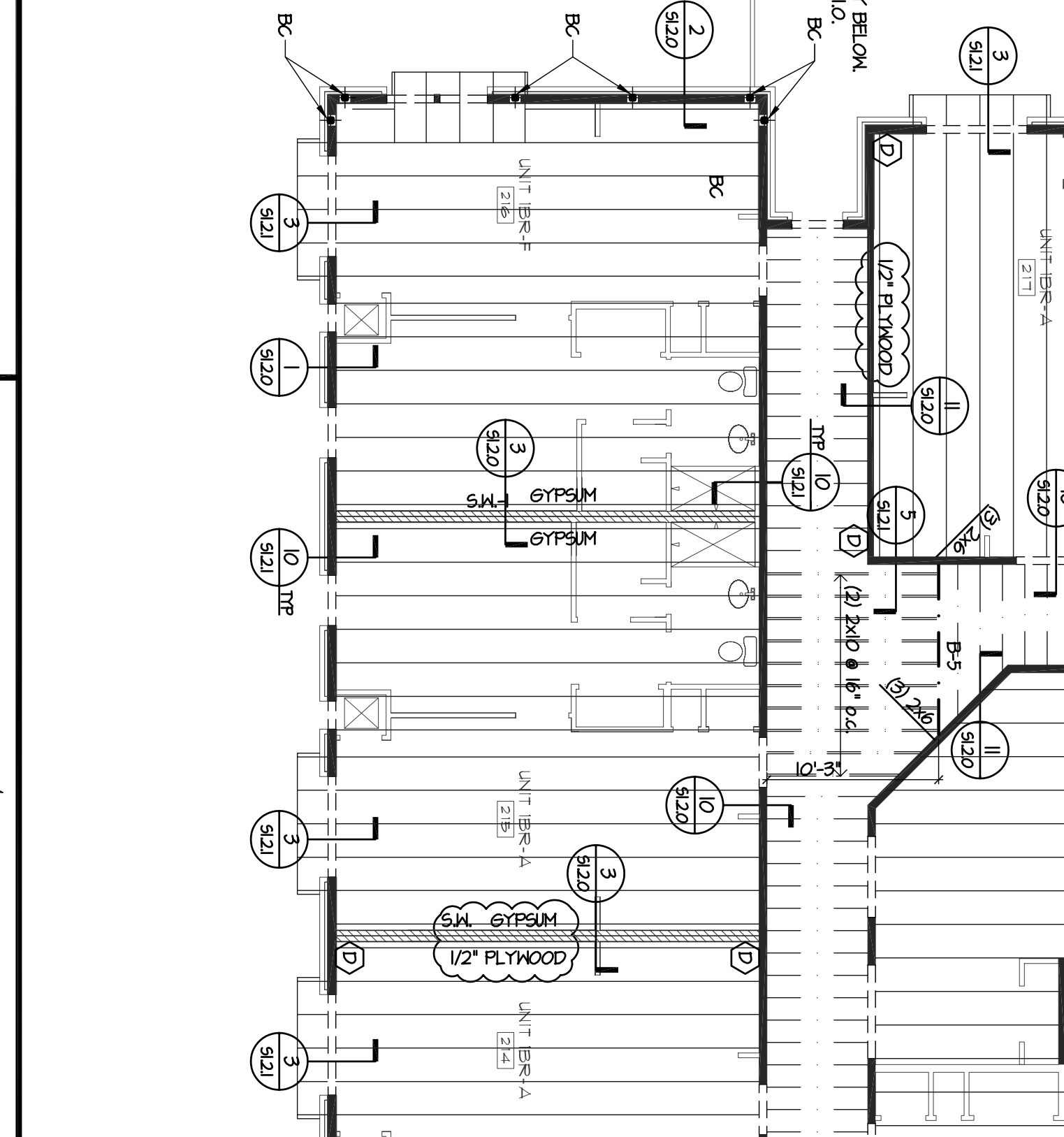
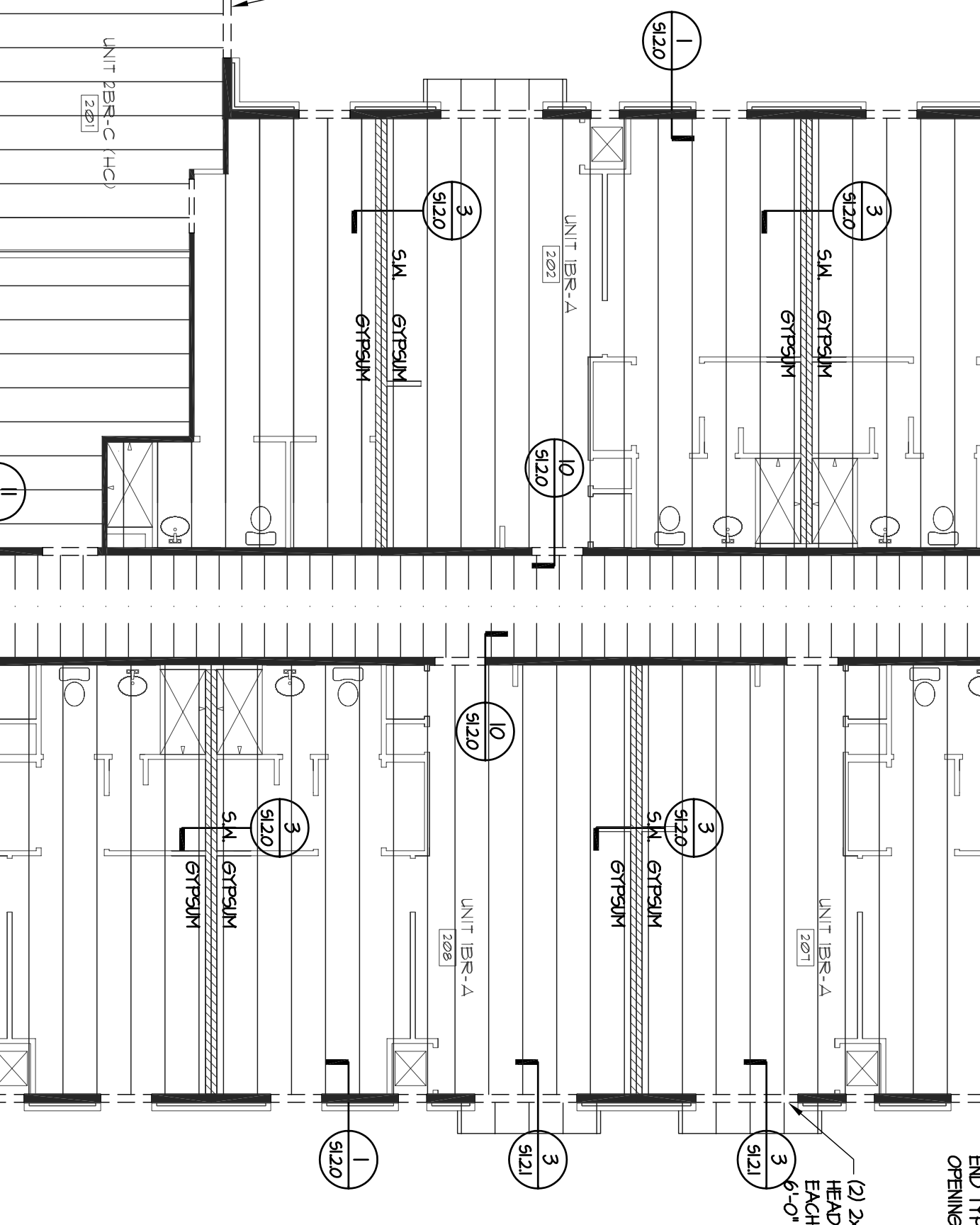
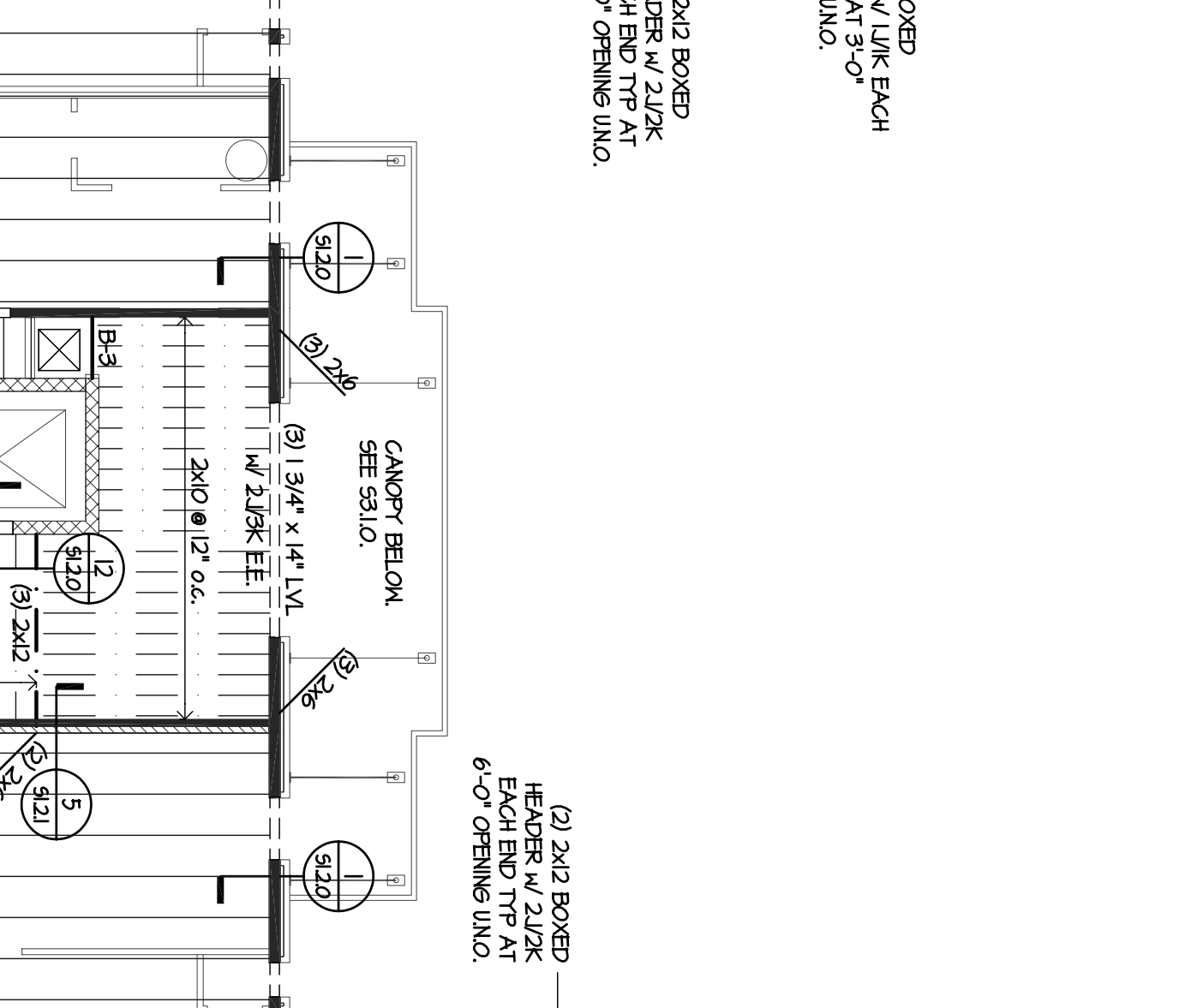
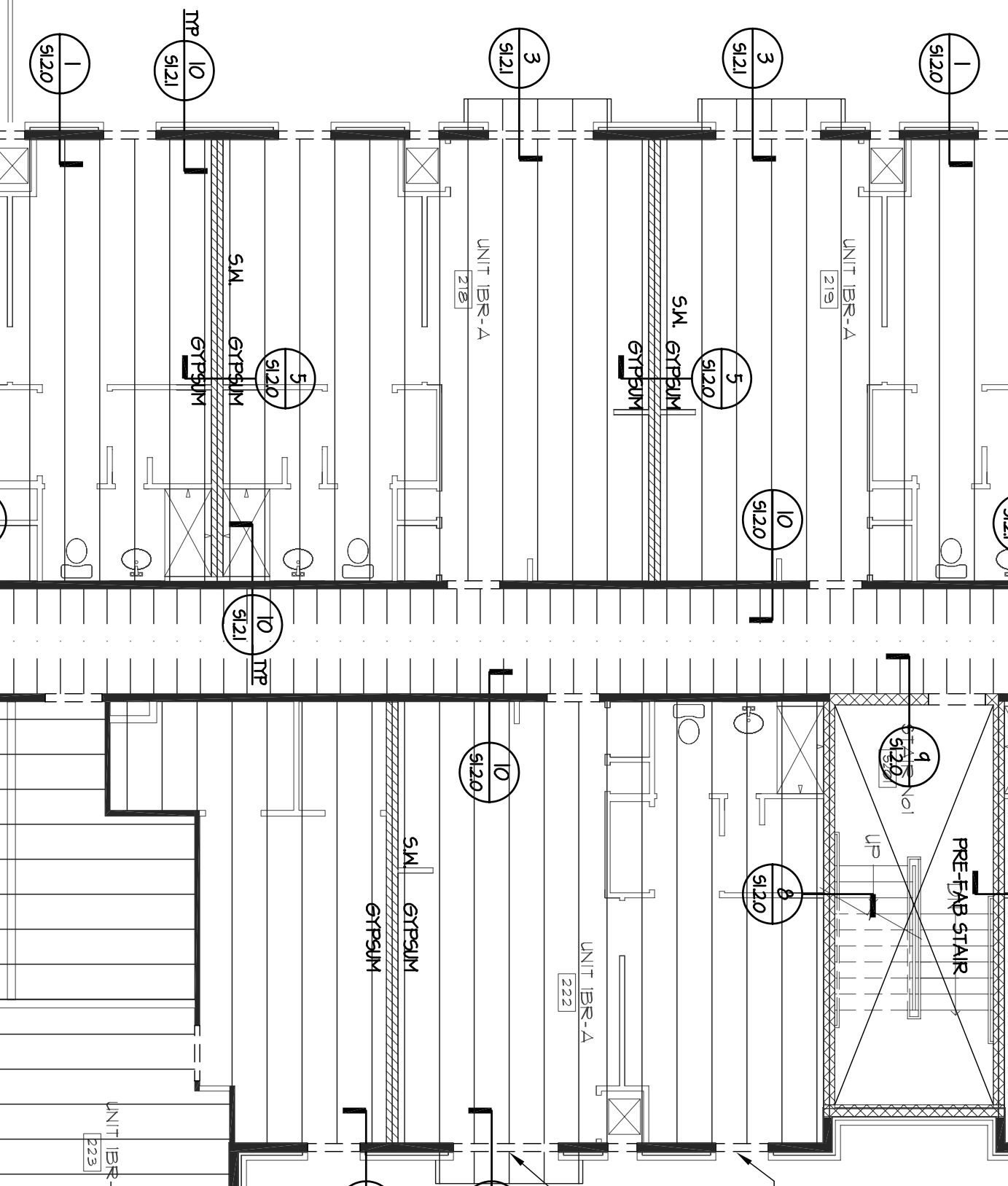
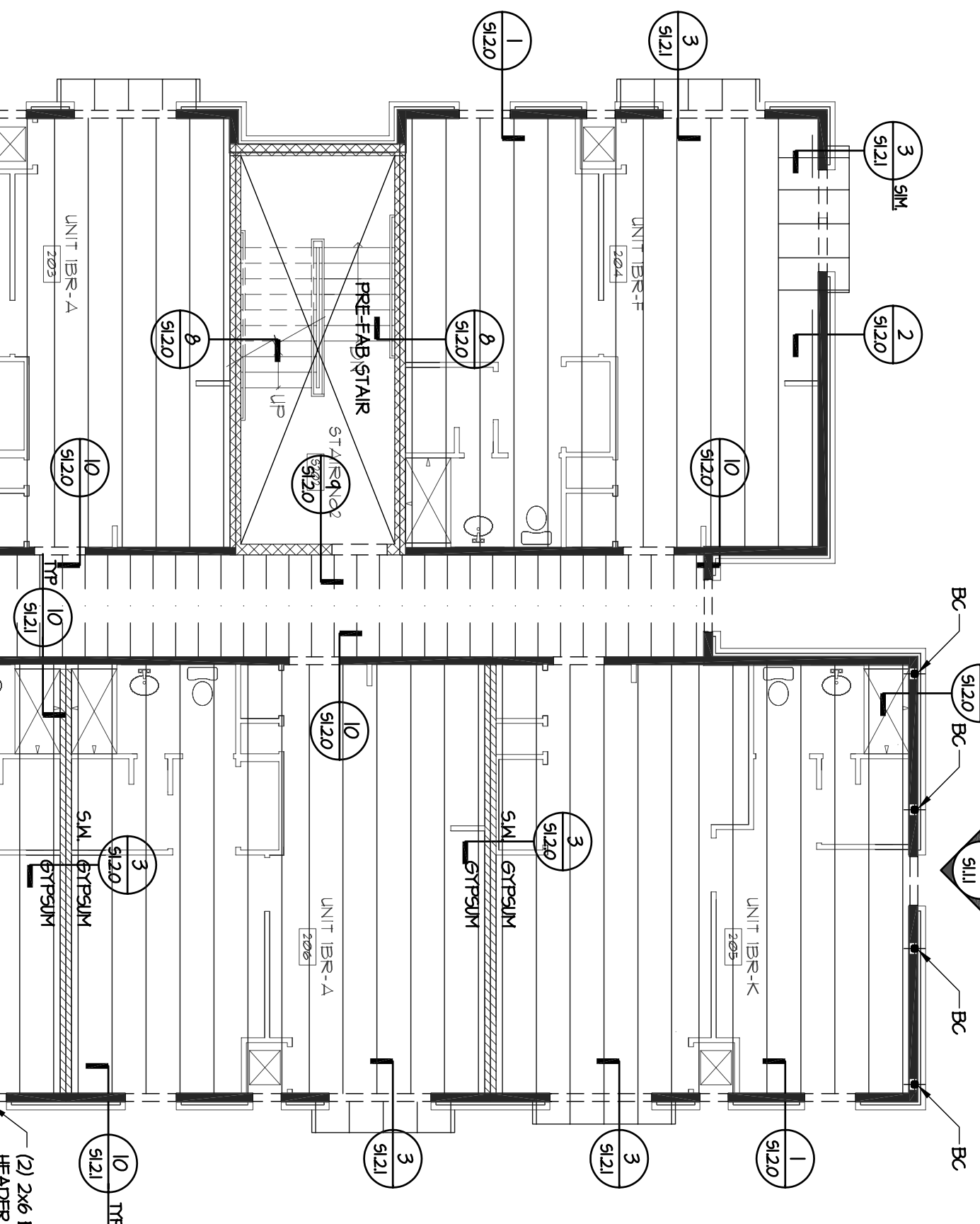
Project No: A109132.00

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**WOOD FRAMING NOTES:**

- FRAMING AT INTS TO BE 20" DEEP OPEN WEB TRUSSES SPACED AT 24" O.C. MAX. UNLESS NOTED OTHERWISE.
- FRAMING AT CORNERS TO BE 2x10 AT 6" O.C. MAX. UNLESS NOTED OTHERWISE.
- ALL CORRIDOR BEAMS SHALL BEAR DIRECTLY ON STUDS AND NOT TO HANG ON LEDGER. SEE DETAIL 6/9/2.2.
- FLOOR SHEATHING TO BE 3/4" T&G PLYWOOD WITH 1/4" VALS @ 6" O.C. ALL EDGES AND 1/2" O.C. IN FIELD.
- PROVIDE A MINIMUM OF (3) STUDS AT EACH END OF BEAMS UNLESS NOTED OTHERWISE.
- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL PLANS.
- REFER TO ARCHITECTURAL, PLUMBING AND MECHANICAL PLANS FOR FLOOR OPENINGS.
- REFER TO S10.0 FOR ADDITIONAL STRUCTURAL NOTES.
- INDICATES LOAD BEARING STUD WALLS. LOAD BEARING STUD WALL ARE ALSO SHEARWALLS. REFER TO NOTES 2 THRU 4 OF HORIZONTAL & UPLIFT WALLS NOT SHOWN SOLID ARE NOT TO BE USED FOR BEARING.
- S.M. INDICATES NON-LOAD BEARING SHEARWALLS. REFER TO HORIZONTAL AND UPLIFT NOTES ON S10.1 FOR SHEATHING AND FASTENING REQUIREMENTS.
- UNITS SHOWN ON STRUCTURAL PLANS OCCUR BELOW FLOOR INDICATED.
- FOR ALL (3) 2x12 STAR BEAMS, USE SIMPSON HHC210-3-495 OR HH5210-3 HANGER OR EQUAL. USE ONLY SCHEMATIC APPROVED BY REGISTERED ENGINEER.
- FOR ALL (3) 2x10 CORRIDOR BEAMS, USE SIMPSON HH5210-3 HANGER OR EQUAL. ALL NAILS FOR BEAM HANGERS MUST BE 16d 1" CLINCHED AT BACKSIDE OF 15L S.M. BOARD.
- PROVIDE DRAG TRUSSES BELOW SHEARWALL ABOVE FOR 3RD F.L.F.
- SEE PLAN FOR LOCATIONS REFER TO DETAIL 6/9/2.2.
- PROVIDE SIMPSON W1666 STRAP AT EACH END OF SHEARWALL.
- SEE PLAN FOR LOCATIONS REFER TO DETAIL 10/9/2.1.
- BC - INDICATES HES 3/12" X 3/12" X 3/16" STEEL COLUMN FOR BRICK SUPPORTS. SEE PLAN FOR LOCATIONS.



**ALLEN WILSON II, L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia

**OLIVER HOUSE**

**HADP**  
ARCHITECTURE, INC.

**HARPER AIKEN DONAHUE & PARTNERS**  
7727 PENNINGTON BLVD. | ATLANTA, GA 30338  
T: 404.233.4468 | F: 404.233.7398 | L: GEORGIA.30355  
E: hadp@hadp.com | www.hadp.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
Civil Engineer  
817 West Peachtree Street  
The Atlanta, Suite 601  
Atlanta, GA 30308 Phone: 404.521.6172  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD. SUITE 330  
LITTLE ROCK, AR 72209  
Phone: 501.224.4242  
Contact: JOHN FLANNIGAN

**JORDAN & SKALA**  
Electrical, Mechanical, Plumbing & Fire Protection Engineer  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770.441.5547 Fax: 770.446.0282  
Contact: VERN SMITH

**Structural Consulting Group, LLC**  
6250 Shiloh Rd. Suite 330  
Little Rock, AR 72209  
Phone: 501.224.4242 Fax: 501.224.4282  
SCG Project No. 0912011

Scale: 1/8" = 1'-0" Date: AUGUST 1, 2011

Project No: A409132.00

Revision	Description	Date
1	Addressing#1 & Co-ordination	4/15/11
2	City Review Comments	4/17/11
3	Addressing#2	2/21/11
4	Addressing#1	2/10/11

Sheet Number: **S3.2.0**

**THIRD FLOOR FRAMING PLAN**

Final Construction Set, August 1, 2011

**WOOD FRAMING NOTES:**

- FRAMING AT UNITS TO BE 20" DEEP OPEN WEB TRUSSES SPACED AT 24" O.C. MAX. UNLESS NOTED OTHERWISE.
- FRAMING AT CORRIDORS TO BE 2X10 AT 16" O.C. MAX. UNLESS NOTED OTHERWISE.
- ALL CORRIDOR BEAMS SHALL BEAK DIRECTLY ON STUDS AND NOT TO HANG ON STUDS AT THE END OF CORRIDOR.
- FLOOR SHEATHING TO BE 3/4" T&G PLYWOOD WITH 100 WALLS @ 6" O.C. ALL EDGES AND 10" O.C. IN FIELD.
- PROVIDE A MINIMUM OF (3) STUDS AT EACH END OF BEAMS UNLESS NOTED OTHERWISE.
- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL PLANS.
- REFER TO ARCHITECTURAL, PLUMBING, AND MECHANICAL PLANS FOR FLOOR OPENINGS.
- REFER TO S10.02 FOR ADDITIONAL STRUCTURAL NOTES.
- INDICATES LOAD BEARING STUD WALLS. LOAD BEARING STUD WALLS ARE TO BE CONSTRUCTED WITH 2" MIN. x 8" MIN. HORIZONTAL & VERTICAL WALLS NOT SHOWN SOLID ARE NOT TO BE USED FOR BEARING.
- S.M. INDICATES NON-LOAD BEARING SHEARWALLS. REFER TO HORIZONTAL AND VERTICAL NOTES ON S10.01 FOR SHEATHING AND FASTENING REQUIREMENTS.
- UNITS SHOWN ON STRUCTURAL PLANS OCCUR BELOW FLOOR INDICATED.
- FOR ALL (3) 2X12 STAIR BEAMS, USE SIMPSON H4210-3-955 OR H4230-3 HANGER OR EQUAL, USE ONLY SCHEMS APPROVED BY SUPPLIER.
- FOR ALL (3) 2X10 CORRIDOR BEAMS, USE SIMPSON H4210-3 HANGER OR EQUAL.
- ALL WALLS FOR BEAM HANGERS MUST BE 16d 1 CLINCHED AT BACKSIDE OF L&L RIB BOARD.
- PROVIDE BRAG TRUSSES BELOW SHEARWALL ABOVE FOR 360 PLF.
- PROVIDE SIMPSON M51266 STRAP AT EACH END OF SHEARWALL.
- SEE PLAN FOR LOCATIONS. REFER TO DETAIL S912.01.
- D INDICATES H65 3 1/2 X 3 1/2 X 5/16" STEEL COLUMN FOR BRAG SUPPORTS. SEE PLAN FOR LOCATIONS.

**NOTE TO TRUSS SUPPLIER:**

- ALL FLOOR TRUSSES MUST BEAR ON GIRDER TRUSSES (G.T.) AT BAY ANCHOR AND NOT ON EXTERIOR WALLS. DESIGN GIRDER TRUSSES FOR REDUCTION AT END OF EACH FLOOR TRUSS.

**NOTE:**

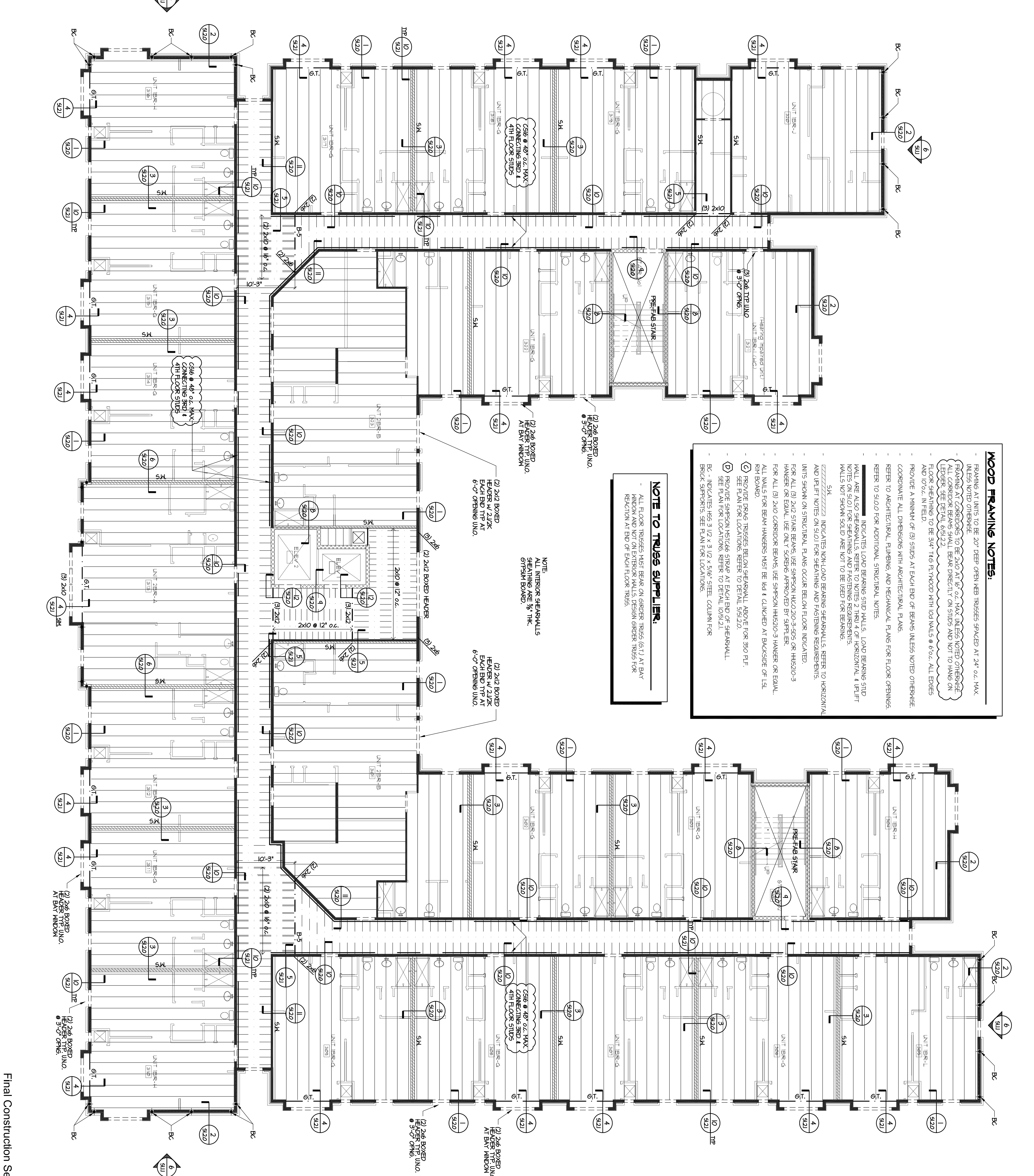
ALL INTERIOR SHEARWALLS SHEATHING ARE 5/8" THK.

(2) 2X6 BOXED HEADER W/ 2X6K EACH END T/P AT 6'-0" OPENING UNDO.

(2) 2X12 BOXED HEADER W/ 2X6K EACH END T/P AT 6'-0" OPENING UNDO.

(2) 2X6 BOXED HEADER W/ 2X6K EACH END T/P AT 6'-0" OPENING UNDO.

(2) 2X6 BOXED HEADER W/ 2X6K EACH END T/P AT 6'-0" OPENING UNDO.



ALLEN WILSON III, P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



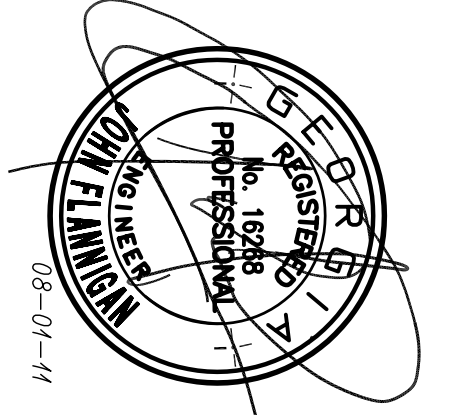
**HADP ARCHITECTURE, INC.**  
HARPER AIKEN DONAHUE & PARTNERS  
2727 PENNINGTON BLVD. | ATLANTA, GA 30339  
T: 404.233.4468 | F: 404.233.7395 | L: LIC No. AA 0002442  
E: info@hadp.com | www.hadp.com

Structural Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404.521.6172  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILOH RD. SUITE 330  
LITTLE ROCK, AR 72205  
Phone: 501.944.4422  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770.441.5541 Fax: 770.446.0282  
Contact: VERN SMITH

**Structural Consulting Group, LLC**  
1620 S. Atlanta Ave. G.A. 024, P.E. 003878  
PO Box 30065  
Decatur, GA 30033  
Phone: (678) 513-4242 Fax: (678) 513-4232  
SCG Project No. 0912011



KEY PLAN	
ADDENDUM#1 & Co-ordination	4/15/11
City Review Comments	4/17/11
ADDENDUM#2	2/21/11
ADDENDUM#1	2/10/11
Revision	Date
Project No. AH09132.00	
File Name	
Scale	1/8" = 1'-0"
Date	AUGUST 1, 2011
<b>FOURTH FLOOR FRAMING PLAN</b>	
<b>S3.3.0</b>	
Sheet Number	
Professional of Record: Stewart Allen	
Professional Registration No. GA 30151	
Seal:	
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ALLEN WILSON III, P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
Commerce Drive  
Decatur, Georgia



HARPER AIKEN DONAHUE & PARTNERS  
2727 PENNINGTON BLVD. | ATLANTA, GEORGIA 30355  
T: 404-233-4466 | F: 404-233-7391 | LIC. NO. AA 000242  
E: info@hadp.com | www.hadparchitect.com

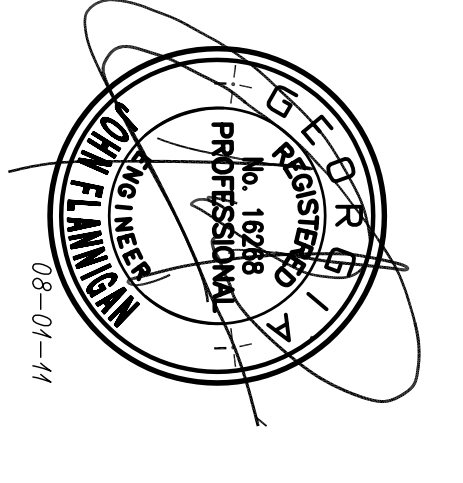
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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-501-6172  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILOH ROAD, SUITE 330  
LITTLE ROCK, AR 72209  
Phone: 501-221-4422  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shepherd Road, Suite 200  
Norcross, GA 30093  
770-441-5547 Fax: 770-446-0282  
Contact: VERN SMITH

Structural Consulting Group, LLC  
6250 Shiloh, GA 30244, P.O. Box 003878  
Little Rock, AR 72209  
Phone: (501) 513-4422 Fax: (501) 513-4422  
SCG Project No. 0912011



KEY PLAN

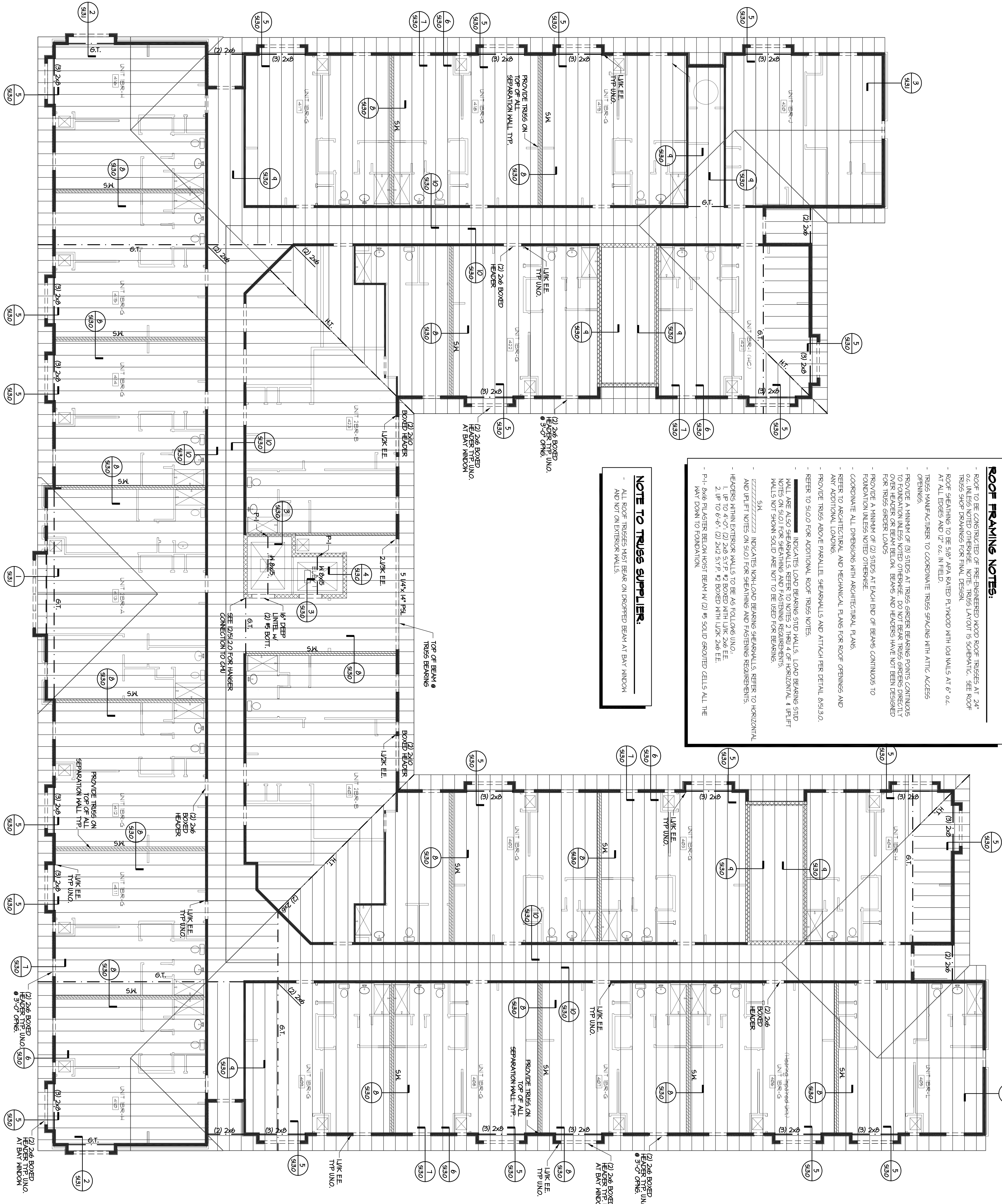
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1	Addressing#1 & Co-ordination	4/15/11
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3	Addressing#2	2/21/11
4	Addressing#1	2/10/11

Scale: 1/8" = 1'-0"  
Date: AUGUST 1, 2011  
Drawing Title: ROOF FRAMING PLAN

Sheet Number: S4.1.0

Professional of Record: Stewart Hagen  
Professional Registration No. CA 30151

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**ROOF FRAMING NOTES:**

- ROOF TO BE CONSTRUCTED OF PRE-ENGINEERED WOOD ROOF TRUSSES AT 24" O.C. UNLESS NOTED OTHERWISE. NOTE: TRUSS LAYOUT IS SCHEMATIC. SEE ROOF TRUSS SHOP DRAWINGS FOR FINAL DESIGN.
- ROOF SHEATHING TO BE 5/8" APA RATED PLYWOOD WITH 104 NAILS AT 6" O.C. AT ALL EDGES AND 12" O.C. IN FIELD.
- TRUSS MANUFACTURER TO COORDINATE TRUSS SPACING WITH ATTIC ACCESS OPENINGS.
- PROVIDE A MINIMUM OF (2) STUDS AT TRUSS GIRDERS BEARING POINTS CONTINUOUS TO FOUNDATION UNLESS NOTED OTHERWISE. DO NOT BEAR TRUSS GIRDERS DIRECTLY FOR TRUSS GIRDER LOADS. BEAMS AND HEADERS HAVE NOT BEEN DESIGNED FOR FOUNDATION LOADS NOTED OTHERWISE.
- PROVIDE A MINIMUM OF (2) STUDS AT EACH END OF BEAMS CONTINUOUS TO FOUNDATION UNLESS NOTED OTHERWISE.
- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL PLANS.
- REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR ROOF OPENINGS AND ANY ADDITIONAL LOADING.
- PROVIDE TRUSS ABOVE PARALLEL SHEARWALLS AND ATTACH PER DETAIL 6/13/10.
- REFER TO S10.0 FOR ADDITIONAL ROOF TRUSS NOTES.
- INDICATES LOAD BEARING STUD WALLS. LOAD BEARING STUD WALL ARE ALSO SHEATHING. REFER TO NOTES 2 THRU 4 OF HORIZONTAL LIFT NOTES ON S10.1 FOR SHEATHING AND FASTENING REQUIREMENTS.
- WALLS NOT SHOWN SOLID ARE NOT TO BE USED FOR BEARING.
- S.M. INDICATES NON-LOAD BEARING SHEARWALLS. REFER TO HORIZONTAL AND LIFT NOTES ON S10.1 FOR SHEATHING AND FASTENING REQUIREMENTS.
- HEADERS WITHIN EXTERIOR WALLS TO BE AS FOLLOWS: UNO. 1. LP TO 4'-0" (2) 2x6 S.T.P. 2 BOXED WITH LJK 2x6 EE. 2. LP TO 6'-6" (2) 2x2 S.T.P. 2 BOXED WITH LJK 2x6 EE.
- P-1: 6x6 PLYSTER BEAM HOIST BEAM W/ (2) 5" SOLID GROUTED CELLS ALL THE WAY DOWN TO FOUNDATION.

**NOTE TO TRUSS SUPPLIER:**

- ALL ROOF TRUSSES MUST BEAR ON DROPPED BEAM AT BAY WINDOW AND NOT ON EXTERIOR WALLS.

**GENERAL HVAC NOTES**

- GENERAL:**
- ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE 2006 IMC CODES, WITH GEORGIA AMENDMENTS 2009 IECC CODE WITH 2011 GEORGIA AMENDMENTS, NFPA 90A, 101, UNDERWRITERS LABORATORIES (OR ETL) AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
  - PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.
  - SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS; DUCTWORK DRAWN TO 1/4" SCALE OR THE SCALE SHOWN ON THE DRAWINGS; REFRIGERANT PIPING AND CONTROL WIRING SCHEMATICS CERTIFIED BY THE AIR CONDITIONING EQUIPMENT MANUFACTURER. FAILURE TO SUBMIT REFRIGERANT PIPING DRAWINGS SHALL BE CAUSE FOR REJECTION OF THE SUBMITTAL. LONG LINE REFRIGERANT PIPING APPLICATIONS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT SPLIT SYSTEM LONG-LINE APPLICATION GUIDELINE.
  - ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
  - ALL MECHANICAL EQUIPMENT AND SYSTEM SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY OWNER.
  - ALL HVAC COMPRESSORS SHALL HAVE 1 YEAR WITH EXTENDED 4-YEAR MANUFACTURER'S WARRANTY (TOTAL 5 YEAR).
  - FOR EXACT LOCATION OF OUTDOOR AIR CONDITIONING UNITS SEE ARCHITECTURAL DRAWINGS.
  - INSTALL GRADE MOUNTED OUTDOOR AIR CONDITIONING EQUIPMENT LEVEL ON 4" THICK REINFORCED CONCRETE PADS OR PREFAB PADS EXTENDING 6" BEYOND UNIT PERIMETER.
  - UNUSED.
  - MOUNT THERMOSTATS AND SENSORS 44" AFF UNLESS NOTED OTHERWISE. PROVIDE CLEAR LOCKING GUARD ASSEMBLIES FOR ALL PUBLIC AREA THERMOSTATS. COORDINATE THERMOSTAT LOCATIONS WITH OTHER TRADES. THERMOSTAT LOCATIONS TO BE ADA COMPLIANT.
  - ANY WALL, FLOOR, OR CEILING SURFACE THAT ARE DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW ADJACENT CONDITIONS.
  - AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE ADJUSTED, AND BALANCED TO DELIVER THE AIR QUANTITIES SHOWN ON THE DRAWINGS.
  - CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, PIPING, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
  - AIR HANDLING AND FAN COIL UNITS LOCATED ABOVE THE LOWEST LEVEL FINISHED FLOOR SHALL BE INSTALLED WITH AN AUXILIARY CONDENSATE DRAIN PAN UNDER THE UNIT. PROVIDE AN ELECTRONIC WATER LEVEL DETECTOR WIRED TO SHUTDOWN THE UNIT UPON DETECTION IN SECONDARY DRAIN PAN.
  - ALL PIPE AND DUCT PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED TO RESTORE THE ASSEMBLY TO ITS ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY TREMCO, HILTI OR JM.
  - ALL MECHANICAL EQUIPMENT SHALL BE LABELED WITH A NAMEPLATE SECURELY AFFIXED TO THE EQUIPMENT. THE NAMEPLATE SHALL SHOW THE EQUIPMENT TAG USED ON THESE DRAWINGS. ON RESIDENTIAL PROJECTS, THE NAMEPLATE ON THE OUTDOOR EQUIPMENT SHALL INDICATE THE APARTMENT OR CONDOMINIUM UNIT NUMBER IT SERVES AS WELL AS THE EQUIPMENT ID TAG.
- MECHANICAL/ELECTRICAL COORDINATION:**
- CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN. SHOP DRAWING SUBMITTALS SHALL CLEARLY STATE THAT THE ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT HAS BEEN COORDINATED WITH THE ELECTRICAL CONTRACT DOCUMENTS AND THE ELECTRICAL CONTRACTOR.
  - ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS AND THE ELECTRICAL DRAWINGS.
  - ALL CONTROL WIRING (INCLUDING POWER WIRING REQUIRED FOR CONTROL PANELS, DEVICES, ETC.) NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. WIRING IN HVAC PLenums SPACES SHALL BE INSTALLED ACCORDING TO CODE REQUIREMENTS.
  - UNLESS NOTED OTHERWISE, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED WITH THE MOTOR OR APPARATUS WHICH IT OPERATES. MOTOR STARTER INSTALLATION SHALL BE BY THE DIVISION 16 CONTRACTOR.
- ARISIDE:**
- SUPPLY RETURN AND O.A. DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEETMETAL AS RECOMMENDED IN SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS IN ALL SHEETMETAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER.
  - SHEETMETAL SUPPLY, RETURN, & O.A. DUCTWORK IN NON-AIR CONDITIONED AREAS SHALL BE INSULATED WITH 2" THICK, 3/4 LB/FT<sup>3</sup> DENSITY FIBERGLASS BLANKET INSULATION WITH FOIL VAPOR BARRIER, U.L. LISTED, R-6 MINIMUM. PUNCTURES AND TEARS IN THE FOIL JACKET SHALL BE PATCHED WITH FOIL TAPE TO MAINTAIN THE INTEGRITY OF THE VAPOR BARRIER. LINE ALL SHEET METAL DUCTWORK A MINIMUM OF 10'-0" (OR AS INDICATED) DOWNSTREAM OF ALL AIR HANDLING UNITS. DUCT LINER SHALL BE 1" THICK, 3 LB/FT<sup>3</sup> DENSITY (MINIMUM R VALUE = 4.0 OR AS REQUIRED BY APPLICABLE ENERGY CODE); CERTAINTED TOUGHGUARD 2" OR KNAUF OR JOHNS-MANVILLE. THE LEADING EDGE OF THE DUCT LINER SHALL HAVE A SHEET METAL NOSING.
  - ALTERNATE DUCTWORK - 1" THICK FIBERGLASS DUCT BOARD (MINIMUM R-6.0), WITH GLASS FABRIC REINFORCED VAPOR BARRIER, JOHNS-MANVILLE TYPE 7-2, FIBERGLASS DUCTWORK AND TAPING SYSTEM SHALL BE U.L.-181 LISTED AND SHALL BEAR THE U.L. LABEL. ALL FIBERGLASS DUCTWORK AND ACCESSORIES SHALL BE FABRICATED BY A MANUFACTURER'S AUTHORIZED FABRICATOR. SHALL BE INSTALLED WITH THE FABRICATOR'S SUPERVISION AND ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. FIBERGLASS DUCTWORK SHALL NOT BE USED OUTDOORS.
  - EXHAUST DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED TO SMACNA STANDARDS AND SHALL NOT BE INSULATED UNLESS NOTED OTHERWISE.
  - ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE PER SMACNA STANDARDS.
  - FLEXIBLE DUCTWORK SHALL BE ATCO #3C (U.L. 181 LISTED, CLASS 1 FLEXIBLE AIR DUCT). PROVIDE R-6 (R VALUE - 8.0 MINIMUM OR AS REQUIRED BY LOCAL ENERGY CODE IN ATTICS AND OTHER UNCONDITIONED SPACES). AIR CONNECTORS ARE NOT ACCEPTABLE. FLEX DUCT DIAMETERS SHALL MATCH DEVICE NECK DIAMETER. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS TO CONNECT TO AIR DEVICE NECK WHEN REQUIRED.
  - ROUND AND FLEXIBLE SUPPLY AIR DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH A SPIN-IN FITTING WITH SCOOP AND BALANCING DAMPER (EXCEPT WHERE INSTALLED ABOVE INACCESSIBLE CEILING, THE DAMPER SHALL BE OMITTED AND PROVIDED IN THE AIR DEVICE NECK).
  - DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.
  - EXTERNAL STATIC PRESSURE (ESP) DOES NOT INCLUDE COIL, CASING OR FILTER PRESSURE DROP.
  - INSTALL FIRE DAMPERS IN ALL RATED WALLS, FLOOR AND CEILING PENETRATIONS. FIRE DAMPERS SHALL BE THE DYNAMIC TYPE WITH BLADES OUT OF THE AIRSTREAM WHERE POSSIBLE. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES. PROVIDE ACCESS DOORS IN DUCTWORK AT EACH FIRE DAMPER LOCATION. INSTALL SMOKE DAMPERS IN ALL DUCT PENETRATIONS THROUGH SMOKE RATED WALLS, WHERE DUCTS PENETRATE WALLS THAT CARRY BOTH FIRE AND SMOKE RATINGS, THE DAMPERS INSTALLED SHALL BE COMBINATION FIRE AND SMOKE DAMPERS. ALL DAMPERS SHALL BE U.L. 555 AND/OR 555C LABELED.
  - LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH LIGHTS, CEILING GRID, ETC. AND ARCHITECTURAL REFLECTED CEILING PLAN.
  - DRYER VENTS SHALL BE STUBBED OUT 3" INSIDE DRYER VENT BOX AND LOCATED 30" ABOVE LAUNDRY ROOM FLOOR. DRYER VENT DUCTWORK SHALL BE 4" ROUND MINIMUM 28 GAUGE GALVANIZED STEEL INSTALLED WITH LONGITUDINAL SEAMS FACING UP. ROUTE TO EXTERIOR WALL CAP AS DIRECT AS POSSIBLE. (FLEXIBLE DUCTWORK WILL NOT BE ACCEPTABLE). WALL CAP SHALL BE FURNISHED WITH BUILT-IN BACK-DRAFT DAMPER. DO NOT SECURE DUCTWORK WITH SHEET METAL SCREWS.
  - DWELLING UNIT KITCHEN HOODS SHALL BE OF THE VENTLESS, RECIRCULATING TYPE AND ARE PROVIDED BY OTHERS.
  - DUCTWORK WITHIN AN OPEN ATTIC SPACE WITHOUT FIRE OR DRAFT STOPS, SHALL BE GALVANIZED STEEL AND SHALL BE WRAPPED WITH MINIMUM R-8 DUCTWRAP INSULATION WITH FOIL FACED VAPOR BARRIER.
- PIPING:**
- REFRIGERANT PIPING SHALL BE TYPE L OR REFRIGERATION SERVICE COPPER TUBING WITH BRAZED JOINTS. SUCTION PIPING SHALL BE INSULATED WITH 1-1/2" MANVILLE AEROTUBE II PIPE INSULATION SLID OVER TUBING WITHOUT CUTTING. ALL JOINTS AND SEAMS SHALL BE SEALED WITH ADHESIVE.
  - CONDENSATE FROM ALL AIR CONDITIONING EQUIPMENT SHALL BE TRAPPED AND ROUTED TO THE NEAREST FLOOR DRAIN OR TO EXTERIOR DRY WELLS. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT INSULATED COPPER IN HVAC PLenums). CONDENSATE SHALL BE PUMPED AS REQUIRED.

**ADDITIONAL EARTH-CRAFT NOTES**

- ADDITIONAL EARTH-CRAFT GENERAL NOTES:**
- ALL EXHAUST FANS NEED TO BE ENERGY STAR RATED.
  - CONTRACTOR TO VERIFY REFRIGERANT CHARGE ON ALL A/C SYSTEMS. DOCUMENTATION ON EACH SYSTEM SHALL BE SUBMITTED.
  - AIR HANDLERS AND DUCT SYSTEMS SHALL BE SEALED WITH MASTIC OR MASTIC TAPE.
  - ALL SUPPLY DUCT TAKE OFFS FROM SUPPLY PLENUM SHALL BE SPACED APART A MINIMUM OF 6"
  - NO DUCT TAKE OFFS SHALL BE CLOSER THAN 6" FROM SUPPLY PLENUM CAP.
  - ALL FLEXIBLE DUCTWORK SHALL BE PULLED TIGHT WITH NO PINCHES.
  - INTERIOR DOORS SHALL HAVE A MINIMUM CLEARANCE OF 1 INCH TO FINISHED FLOORS.
  - ALL DUCT TRUNK LINES OUTSIDE OF CONDITIONED SPACES SHALL BE INSULATED TO R-8 MINIMUM.
  - SEAL ALL HVAC BOOTS TO DRYMALL.
  - SEAL ALL EX-HAUST DUCT PENETRATIONS THROUGH BAND.
  - DUCTWORK INSTALLATION MUST COMPLY WITH MANUAL "D" DUCT DESIGN.

**GRILLE, REGISTERS & DIFFUSERS**

TAG	SERIES	CFM	BLOW	DUTY	NECK (IN. DIA.)	FACE SIZE	NO. OF SLOTS	SLOT WIDTH	DAMPER	MATERIAL	TYPE	ACCESSORIES
A	1100M (U)	50	SEE PLANS	SUPPLY	4"	8x4	N/A	N/A	YES	STEEL	CEILING	5
B	1100M (U)	51-100	SEE PLANS	SUPPLY	5"	8x6	N/A	N/A	YES	STEEL	CEILING	5
C	1100M (U)	101-125	SEE PLANS	SUPPLY	6"	10x6	N/A	N/A	YES	STEEL	CEILING	5
D	1100M (U)	126-175	SEE PLANS	SUPPLY	7"	12x6	N/A	N/A	YES	STEEL	CEILING	5
E	1100M (U)	176-200	SEE PLANS	SUPPLY	8"	14x6	N/A	N/A	YES	STEEL	CEILING	5
F	1400 (U)	---	N/A	RETURN	SEE PLANS	SEE PLANS	N/A	N/A	NO	STEEL	CEILING	5
G	RHE (U)	SEE PLANS	N/A	EXHAUST	---	SEE PLANS	N/A	N/A	YES	ALUMINUM	CEILING	5
H	4004 (U)	SEE PLANS	SEE PLANS	SUPPLY	SEE PLANS	SEE PLANS	N/A	N/A	YES	STEEL	CEILING	2
J	RH (U)	SEE PLANS	N/A	RETURN	SEE PLANS	SEE PLANS	N/A	N/A	NO	ALUMINUM	CEILING	5
K	CCS (U)	VARIES	N/A	RETURN	SEE PLANS	SEE PLANS	N/A	N/A	NO	ALUMINUM	CEILING	4
L	TDC (T)	SEE PLAN	4 WAY	SUPPLY	SEE PLANS	24x24	N/A	N/A	NO	STEEL	CEILING	5
M	5956 (U)	SEE PLAN	4 WAY	SUPPLY	SEE PLANS	24x24	N/A	N/A	NO	ALUMINUM	CEILING	5
N	300 RS (T)	SEE PLAN	4 WAY	SUPPLY	SEE PLANS	24x24	N/A	N/A	NO	STEEL	CEILING	2,5
P	ML 39 (T)	SEE PLAN	--	SUPPLY	SEE PLANS	4" LONG	1"	1"	NO	STEEL	CEILING	5
Q	1410F	SEE PLAN	---	RETURN	SEE PLANS	24x24	N/A	N/A	NO	STEEL	CEILING	5,6

- NOTES:** A. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND/OR SUSPENSION SYSTEM.  
B. FINISH SHALL BE OF THE TYPE AND COLOR SELECTED BY ARCHITECT. SUBMIT FINISH CHART WITH SHOP DRAWINGS.
- ACCESSORIES:** 1. FIXED HORIZONTAL VANES  
2. DOUBLE DEFLECTION, HORIZONTAL FRONT VANES  
3. CURVED BLADE REGISTER  
4. 1/2"x1/2"x1/2" EGGOGRATE STYLE GRILLE  
5. ARCHITECT SHALL SELECT COLOR FINISH FOR THESE DIFFUSERS/GRILLES. CONTRACTOR SHALL CONSULT WITH ARCHITECT PRIOR TO ORDERING.  
6. FILTER RETURN GRILLE
- SELECTIONS ARE BASED ON PRODUCTS BY US-AIRE(U), TITUS (T) ALTERNATE MANUFACTURERS: METALWARE, ANEMOSTAT, J&J, TITUS, CARNES, KRUEGER, TUTTLE & BAILEY, AND PRICE.

**SCHEDULE-SPLIT SYSTEM HEAT PUMP (APARTMENT UNIT)**

TAG	LOCATION	MODEL No. AHU/HP	NOMINAL TONS	FAN				DX COIL		MIN. SEER/HPSPF	MIN. INT. HEAT	AUX. ELECTRIC STRIP HEAT (KW)	ACCESSORIES
				AIRFLOW FAN CFM	OA CFM	MOTOR HP	ESP WG	TOT MBH	SENS MBH				
AHU/HP-1BR-B	UNIT-1BR-B	FX4DNF018/214ANAO18	1.5	600	50	1/4	4"	17.2	12.9	14.0/8.2	18.0/10.5	5.0	1.2.3.4.5.6.7.8.9.
AHU/HP-1BR-D	UNIT-1BR-D	FX4DNF018/214ANAO18	1.5	600	50	1/4	4"	17.2	12.9	14.0/8.2	18.0/10.5	5.0	1.2.3.4.5.6.7.8.9.
AHU/HP-2BR-B	UNIT-2BR-B	FX4DNF018/214ANAO18	1.5	600	50	1/4	4"	17.2	12.9	14.0/8.2	18.0/10.5	8.0	1.2.3.4.5.6.7.8.9.
AHU/HP-2BR-C	UNIT-2BR-C	FX4DNF018/214ANAO18	1.5	600	50	1/4	4"	17.2	12.9	14.0/8.2	18.0/10.5	8.0	1.2.3.4.5.6.7.8.9.
AHU/HP-2BR-A	UNIT-2BR-A	FX4DNF024/214ANA024	2	800	50	1/4	4"	22.6	17.0	14.0/8.2	22.4/13.7	8.0	1.2.3.4.5.6.7.8.9.

- NOTES:** A. COOLING CAPACITY BASED ON 80 DEG.F, db/67 DEG.F, wb INDOOR ENTERING AIR TEMPERATURE AND 95 DEG.F, wb ENTERING OUTDOOR UNIT.  
B. HEATING CAPACITY BASED ON 70 DEG.F, db INDOOR ENTERING AIR TEMPERATURE AND 17 DEG.F, wb AIR ENTERING OUTDOOR UNIT.  
C. KW AUXILIARY HEATING BASE ON 240V SINGLE PHASE ELECTRICAL SERVICE.
- ACCESSORIES:** 1. HEAT-COOL-AUTO ASHRAE 62.2 COMPLIANT THERMOSTAT-HONEYWELL VISION PRO IAQ W/ O/A CONTROL DAMPER.  
2. COMPRESSOR SHORT CYCLE PROTECTION.  
3. AIR HANDLING UNIT/CONDENSING UNIT INTERLOCK.  
4. DISCONNECT SWITCH FOR AHU AND HEAT PUMP.  
5. FACTORY INSTALLED ELECTRIC HEAT WITH THERMAL OVERLOADS, SINGLE POINT POWER CONNECTION  
6. VERTICAL MOUNTED AIR HANDLER.  
7. RETURN GRILLE / ACCESS PANEL.  
8. FILTER SECTION.  
9. LONG LINE REFRIGERANT SET (AS REQ'D).  
10. CRANKCASE HEATER.  
11. LOW AMBIENT OPERATION KIT.
- SELECTIONS ARE BASED ON PRODUCTS BY: BRYANT ALTERNATE MANUFACTURERS: CARRIER, TRANE  
NOTE: SPLIT SYSTEMS MUST BE ENERGY STAR COMPLIANT W/ ARI CERTIFICATES.

CONTRACTOR SHALL OFFER ALTERNATE BID PRICE FOR THE FOLLOWING:  
1. SUBTRACT HONEYWELL VISION PRO IAQ THERMOSTAT. ADD HEAT COOL-AUTO THERMOSTAT.  
2. ADD AIR CYCLER CONTROLLER W/ O/A CONTROL DAMPER.

**SCHEDULE - PACKAGED VERTICAL HEAT PUMP UNIT (APARTMENTS)**

TAG	LOCATION	MODEL No.	TOTAL CFM	MIN. O.A. CFM	MAX. FAN HP	MBH TOT. COOL	MBH SEN. COOL	MIN. EER	MIN. INT. HEAT	MIN. COP	KW AUX. HEAT	ACCESSORIES
HP-1BR-A	1 BED FLAT ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-C	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-E	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-F	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-G	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-H	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-I	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-J	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-K	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7
HP-1BR-L	ALL LEVELS	12SPXR-X-HP	400	50	1/8	11.5	8.2	9.5	11.5	3.0	5.0	1.2.3.4.5.6.7

- NOTES:** A. COOLING CAPACITY BASED ON 80 DEG. F., db/67 DEG. F., wb INDOOR ENTERING AIR TEMPERATURE AND 95 DEG. F., wb ENTERING CONDENSING UNIT.  
B. HEATING CAPACITY BASED ON 70 DEG. F., db INDOOR ENTERING AIR TEMPERATURE AND 17 DEG. F., wb AIR ENTERING CONDENSING UNIT.  
C. KW AUXILIARY HEATING CAPACITY BASED ON 240V SINGLE PHASE ELECTRICAL SERVICE.  
D. R-410A REFRIGERANT.
- ACCESSORIES:** 1. WALL SLEEVE.  
2. ARCHITECTURAL EXTRUDED LOUVER.  
3. SUBBASE ASSEMBLY.  
4. CONDENSATE DRAIN KIT.  
5. RETURN GRILLE / ACCESS PANEL.  
6. FILTER SECTION.  
7. HEAT-COOL-AUTO ASHRAE 62.2 COMPLIANT THERMOSTAT-HONEYWELL VISION PRO IAQ W/ OUTSIDE AIR CONTROL DAMPER.
- SELECTIONS ARE BASED ON PRODUCTS BY FIRST CO.

CONTRACTOR SHALL OFFER ALTERNATE BID PRICE FOR THE FOLLOWING:  
1. SUBTRACT HONEYWELL VISION PRO IAQ THERMOSTAT. ADD HEAT COOL-AUTO THERMOSTAT.  
2. ADD AIR CYCLER CONTROLLER W/ O/A CONTROL DAMPER.

**GEOHERMAL WATER SOURCE HEAT PUMP**

AHU NO.	LOCATION	MODEL No.	FAN				DX COIL		MIN. COP	MIN. INT. HEAT MBH	MIN. EER	MIN. AUX. HEAT KW	ACCESSORIES
			AIRFLOW FAN CFM	OA CFM	MOTOR HP	ESP T20	TOT MBH	SENS MBH					
GHP-DFC	OFFICES	GS060000	2000	350	1	0.5	51.9	31.5	5.0	51.5	23.2	15.0	1 THRU 8
GHP-KIT	KITCHEN	GS030000	1000	200	1/2	0.5	35.2	24.3	4.9	42.6	18.5	10.0	1 THRU 8
GHP-PAR	PARTY	GS042000	1400	250	1/2	0.5	47.7	32.9	4.8	57.7	18.0	10.0	1 THRU 8
GHP-CON	CONFERENCE	GS048000	1600	240	1/2	0.5	57.9	40.0	4.7	70.0	17.8	15.0	1 THRU 8
GHP-LOB	LOBBY	GS042000	1400	250	1/2	0.5	47.7	32.9	4.8	57.7	18.0	15.0	1 THRU 8
GHP-LOU	LOUNGE	GS018000	600	120	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8
GHP-FIT	FITNESS	GS018000	600	120	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8
GHP-LAU	LAUNDRY	GS018000	600	120	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8
GHP-SEA2	SEATING	GS018000	600	120	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8
GHP-COM	COMMUNITY	GS018000	600	120	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8
GHP-SEA3	SEATING	GS018000	600	120	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8
GHP-CAR	CARD	GS018000	600	120	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8
GHP-MED	MEDIA	GS018000	600	120	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8
GHP-C1.5	CORRIDOR	GS018000	600	100	1/2	0.5	18.2	12.5	4.9	33.0	18.9	10.0	1 THRU 8

- NOTES:** A. COOLING CAPACITY BASED ON EAT 80 FDB / 67 FWB INDOOR ENTERING AIR TEMPERATURE, 70 F GEOTHERMAL LOOP TEMPERATURE.  
B. HEATING CAPACITY BASED ON 70 FDB INDOOR ENTERING AIR TEMPERATURE, 70 DEGREE GEOTHERMAL LOOP TEMPERATURE.  
C. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE COIL CASING OR FILTER CASING OR FILTER LOSSES.  
D. AUXILIARY HEATING BASED ON 240 V, SINGLE PHASE ELECTRICAL SERVICE.  
E. SELECTIONS BASED ON PRODUCTS BY: GEO COMFORT. EQUAL PRODUCTS BY: TRANE, CARRIER, YORK
- ACCESSORIES:** 1. HEAT COOL AUTO PROGRAMMABLE THERMOSTAT WITH LOCKABLE BOX  
2. FACTORY INSTALLED ELECTRIC HEAT WITH THERMAL OVERLOADS.  
3. FILTER SECTION  
4. PROVIDE AGRHSC HOSE KIT.  
5. COMPRESSOR SHORT CYCLE PROTECTOR  
6. DISCONNECT SWITCH FOR EACH AHU BY DIV. 16  
7. CRANKCASE HEATER  
8. WATER FLOW PUMPING STATION SHALL BE PROVIDED AND SIZED BY MANUFACTURER OF HEAT PUMP.

**HVAC DRAWING INDEX**

DRAWING No.	DRAWING TITLE	DRAWING No.	DRAWING TITLE
MO.01	HVAC SCHEDULES & NOTES	M1.03	THIRD FLOOR PLAN - HVAC
MO.02	HVAC SCHEDULES & NOTES	M1.04	FOURTH FLOOR PLAN - HVAC
MO.03	HVAC DETAILS	M1.05	ROOF PLAN - HVAC
MO.04	HVAC DETAILS	M4.01	UNIT PLANS - 1BR-A,B,C,D,E,F - HVAC
M1.01	FIRST FLOOR PLAN - HVAC	M4.02	



**GUARDIAN SYSTEM COMPONENTS:**

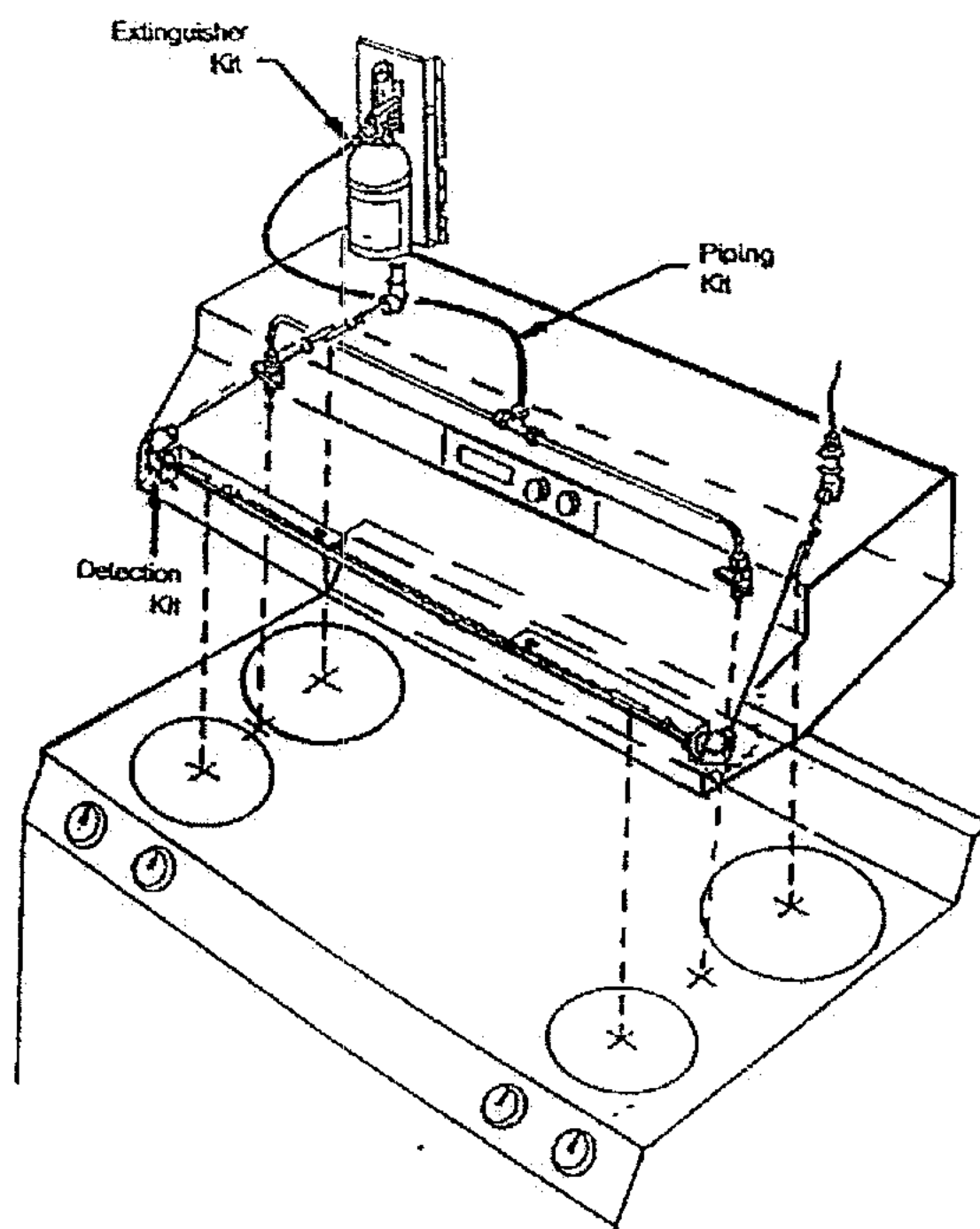
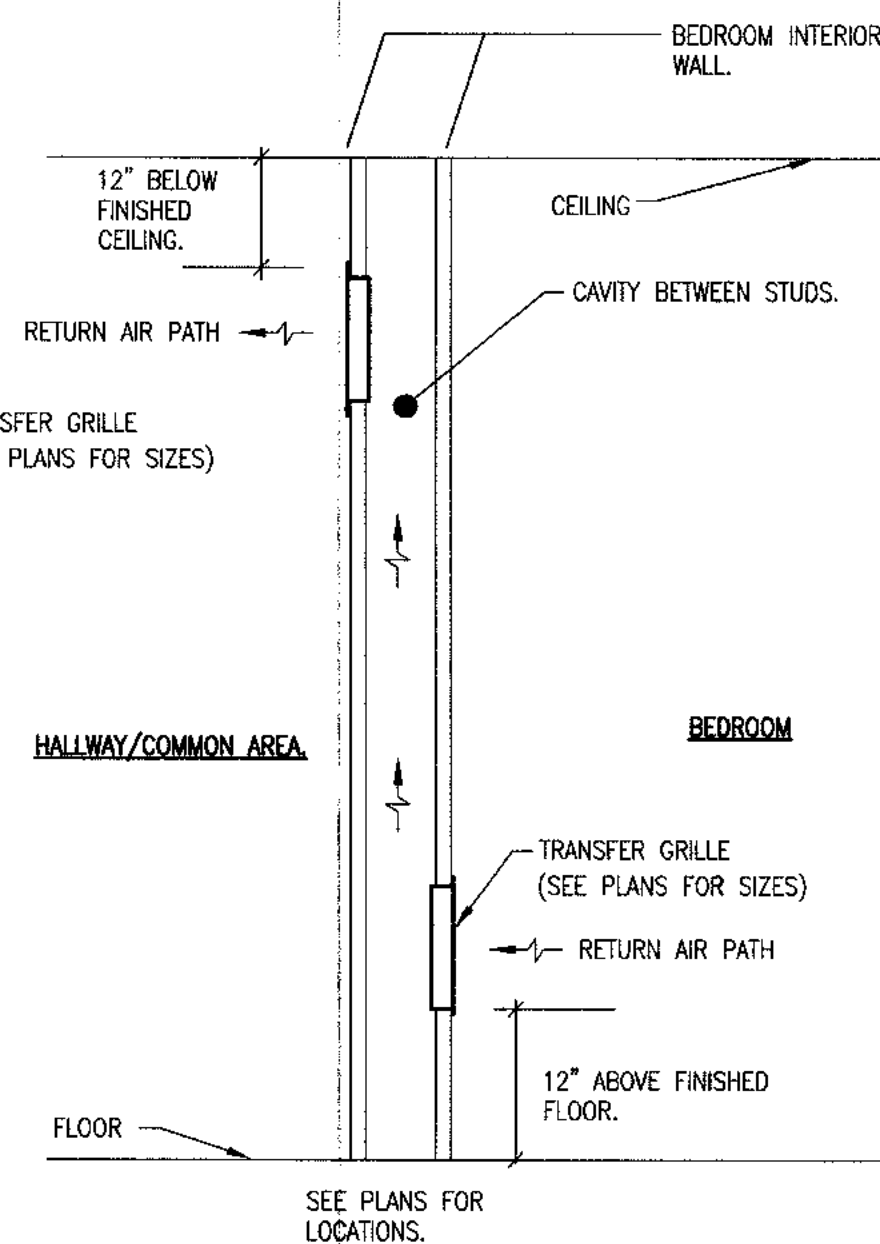
EACH SYSTEM CONSISTS OF A PRE-ASSEMBLED EXTINGUISHER KIT, PIPING KIT AND DETECTION KIT READY FOR INSTALLATION IN THE KITCHEN CABINET AND HOOD OVER THE RANGE.

**EXTINGUISHER KIT:** MOUNTING BRACKET, SPRING, MICROSWITCH, CABLE ADJUSTER, VALVE ASSEMBLY, PRESSURE GAUGE, AND EXTINGUISHER CYLINDER (PRESSURIZED WITH DRY NITROGEN) ARE PRE-ASSEMBLED AT THE FACTORY. DRY CHEMICAL SYSTEMS ARE PROVIDED WITH 4 1/2 POUNDS OF SODIUM BICARBONATE BASE MATERIAL. WET CHEMICAL SYSTEMS CONTAIN 2 1/2 POUNDS OF A POTASSIUM CARBONATE ACETATE BASE MIXTURE.

**PIPING KIT:** ALL RIGID PIPING OR COMBINATION OF PIPING AND FLEXIBLE HOSE ARE PROVIDED AND PRE-ASSEMBLED FOR EACH SYSTEM. WET SYSTEM APPLIANCE NOZZLES ARE EQUIPPED WITH ADJUSTABLE SWIVELS AND DISCHARGE IN A FULL CONE SPRAY PATTERN. DRY SYSTEM NOZZLES ARE CONSTRUCTED OF CORROSION RESISTIVE MATERIAL AND PROVIDE COMPLETE COVERAGE OF THE ENTIRE COOKING SURFACE.

**DETECTION KIT:** CABLE, CORNER PULLEYS, S-HOOKS, AND FUSIBLE LINKS ARE PROVIDED IN A FACTORY PROVIDED PRE-ASSEMBLED KIT WHICH WILL INSTALL NEATLY UNDER THE RANGE HOOD. STANDARD OR REUSABLE FUSIBLE LINKS ARE AVAILABLE FOR GAS AND ELECTRIC RANGE TOP PROTECTION.

**OPERATION:** IN THE EVENT OF A STOVETOP FIRE, ANY OF THE FOUR FUSIBLE OR REUSABLE LINKS WILL SEPARATELY RELEASING THE CABLE TENSION. A TENSION SPRING AUTOMATICALLY OPENS THE EXTINGUISHER VALVE ASSEMBLY WHICH DISCHARGES THE EXTINGUISHING AGENT TO THE STOVETOP. SIMULTANEOUSLY, A MICROSWITCH ACTIVATES A RANGETOP SHUT-OFF DEVICE, AN ALARM OR OTHER ELECTRICAL ACCESSORIES.



**2** DETAIL ACOUSTICAL TRANSFER GRILLE  
NOT TO SCALE

CONTRACTOR TO INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS, FOR EXACT DETAILS REFERENCE SPECIFICATIONS ON WEB SITE WWW.21CENTURYFIRE.COM  
**1** HOOD INSTALLATION DETAIL  
NOT TO SCALE

**SCHEDULE - PACKAGED VERTICAL HEAT PUMP UNIT (COMMON AREAS)**

TAG	LOCATION	MODEL No.	TOTAL CFM	MIN. O.A. CFM	MAX. FAN HP	MBH TOT. COOL	MBH SEN. COOL	MIN. EER	MIN. INT. HEAT	MIN. COP	KW AUX. HEAT	ACCESSORIES
HP-MAN	MAINTENANCE	18SPXR-X-HP	600	50	1/3	17.6	12.5	9.5	17.6	3.0	5.0	1,2,3,4,5,6,7

**NOTES:**  
 A. COOLING CAPACITY BASED ON 80 DEG. F., db/67 DEG. F., wb INDOOR ENTERING AIR TEMPERATURE AND 95 DEG. F., wb ENTERING CONDENSING UNIT.  
 B. HEATING CAPACITY BASED ON 70 DEG. F., db INDOOR ENTERING AIR TEMPERATURE AND 17 DEG. F. wb AIR ENTERING CONDENSING UNIT.  
 C. KW AUXILIARY HEATING CAPACITY BASED ON 240V SINGLE PHASE ELECTRICAL SERVICE.  
 D. R-410A REFRIGERANT.

**ACCESSORIES:**  
 1. WALL SLEEVE.  
 2. ARCHITECTURAL EXTRUDED LOUVER.  
 3. SUBBASE ASSEMBLY.  
 4. CONDENSATE DRAIN KIT.  
 5. RETURN GRILLE / ACCESS PANEL.  
 6. FILTER SECTION.  
 7. HEAT-COOL-AUTO COOL THERMOSTAT

SELECTIONS ARE BASED ON PRODUCTS BY FIRST CO.

**FAN SCHEDULE**

TAG	MODEL	DUTY/LOCATION	CFM	E.S.P.	MOTOR SIZE	RPM	DRIVE	WEIGHT (Lb)	SONES	ACCESSORIES
EF-A	BROAN HD50RDF	EXHAUST/BATH	50	.25"	48 WATTS	1050	DIRECT	15	1.5	1,2,4
EF-B	BROAN QTXE80	EXHAUST/REST ROOM	80	.25"	23 WATTS	1050	DIRECT	15	5.6	2,4
EF-1	PENN P16SA	VENTILATION/MAINTENANCE	1600	.25"	1/2 HP	1050	DIRECT	15	3.5	5
EF-2	BROAN L250	VENTILATION/KITCHEN	250	.25"	166 WATTS	830	DIRECT	15	2.9	2,3
EF-3	BROAN L250	VENTILATION/KITCHEN	250	.25"	166 WATTS	830	DIRECT	15	2.9	2,3
EF-JAN	BROAN QTXE80	VENTILATION/JANITOR	80	.25"	23 WATTS	1050	DIRECT	15	3.5	1,2,7
GEF-1	PENN P16RA	GARAGE EXHAUST FAN	2600	.25"	1/2 HP	1278	DIRECT	30	2.9	8,9
GEF-2	PENN P10WA	GARAGE EXHAUST FAN	200	.25"	1/30 HP	1278	DIRECT	15	1.5	9,10
TEF-1	DX06B	TOILET EXHAUST	600	.25"	1/4 HP	1049	DIRECT	30	3.5	10,11

**NOTES: ACCESSORIES:**  
 1. PROVIDE EXTERIOR WALL CAP.  
 2. GRAVITY BACKDRAFT DAMPERS  
 3. CONTROLLED WITH 0-60 MIN TIMER PROVIDED BY DIV 15. INSTALLED BY 16.  
 4. CONTROLLED BY MOTION SENSOR WITH INTEGRAL FAN TIMER. PROVIDED BY DIV 16. SEE ELECTRICAL DRAWINGS.  
 5. CONTROLLED BY SINGLE STAGE COOLING ONLY THERMOSTAT. SET TO ENERGIZE AT 80°F  
 6. PROVIDE WEATHERPROOF ROOF CAP.  
 7. CONTROLLED WITH WALL SWITCH PROVIDED BY DIVISION 16  
 8. CONTROLLED BY CO SYSTEM (SEE NOTES ON SHEET M1.01)  
 9. WALL PACK FAN WITH WALL HOUSING(SLEEVE) REAR GUARD, GRAVITY SHUTTER AND SHUTTER GUARD.  
 10. FAN SHALL RUN CONTINUOUSLY.  
 11. ROOF MOUNTED WITH ROOF CURB, BIRDSCREEN

SELECTIONS ARE BASED ON BROAN, PENN. ALTERNATE SELECTIONS BY: PENN, GREENHECK, COOK, BRIEDERT

**ELECTRIC WALL HEATERS**

TAG	MANUFACTURER: QMARK MODEL #	KW	CFM	TYPE	ACCESSORIES
EWH 0.5	WHT-500	0.5	NA	WALL MOUNTED	2,3,4,5,6,7
EWH-1.0	AWH-4000 (ARCH/HEAVY DUTY)	1.0	100	WALL MOUNTED	2,3,4,5,6,7
EWH-1.1	CWH-3000 (COMMERCIAL TYPE)	1.0	100	WALL MOUNTED	2,3,4,5,6,7
EWH-2.0	AWH-4000 (ARCH/HEAVY DUTY)	2.0	100	WALL MOUNTED	2,3,4,5,6,7
EWH-2.1	CWH-3000 (COMMERCIAL TYPE)	2.0	100	WALL MOUNTED	2,3,4,5,6,7
EWH-3.0	AWH-4000 (ARCH/HEAVY DUTY)	3.0	100	WALL MOUNTED	2,3,4,5,6,7
EWH-3.1	CWH-3000 (COMMERCIAL TYPE)	3.0	100	WALL MOUNTED	2,3,4,5,6,7

**NOTES:** A. OTHER APPROVED MANUFACTURERS: MARKEL, BERKO, RAYWALL  
 B. WALL MOUNTED TYPE TO BE 18" AFF

**ACCESSORIES:**  
 1. WALL/CEILING MOUNTING BRACKET  
 2. DISCONNECT SWITCH  
 3. AUTO-RESET THERMAL OVERLOADS  
 4. INTEGRAL THERMOSTAT  
 5. SURFACE MOUNTING ACCESSORIES  
 6. BAKED ENAMEL FINISH

**ELECTRIC UNIT HEATERS**

TAG	MANUFACTURER: QMARK MODEL #	KW	CFM	TYPE	ACCESSORIES
EUH-50	MUH-05	5.0	NA	WALL MOUNTED	1,2,3,4,5,6,7

**NOTES:** A. OTHER APPROVED MANUFACTURERS: MARKEL, BERKO, RAYWALL  
 B. WALL MOUNTED TYPE TO BE 18" AFF

**ACCESSORIES:**  
 1. WALL/CEILING MOUNTING BRACKET  
 2. DISCONNECT SWITCH  
 3. AUTO-RESET THERMAL OVERLOADS  
 4. REMOTE THERMOSTAT

**ELEVATOR / EQUIPMENT ROOM SCHEDULE SPLIT SYSTEM A.C. UNIT (ELEC HEAT & COOL)**

TAG	LOCATION	MODEL No.	TOTAL CFM	OUTSIDE AIR CFM	MAX. FAN HP	ESP	MBH TOT. COOL	MBH SEN. COOL	MIN. SEER	KW AUX. HEAT MIN.	ACCESSORIES
AHU/AC-EL1	ELEV. EQUIP. ROOM	037HXC(F) 1133AN4030(B)	1000	N/A	1/3	.4"	33.8	25.28	13.0	N/A	1,2,3,4,5,6

**NOTES:** A. COOLING CAPACITY BASED ON 80 DEG. F., db/67 DEG F., wb INDOOR ENTERING AIR TEMPERATURE AND 95 DEG. F., wb ENTERING OUTDOOR UNIT.  
**ACCESSORIES:** 1. HEAT-COOL-AUTO THERMOSTAT. 2. RETURN GRILLE / ACCESS PANEL. 3. FILTER SECTION. 4. COMPRESSOR SHORT CYCLE PROTECTION. 5. AIR HANDLING UNIT/CONDENSING UNIT INTERLOCK. 6. HORIZONTAL MOUNTED AIR HANDLER.

SELECTIONS ARE BASED ON PRODUCTS BY: FIRST CO (F), BRYANT (B) ALTERNATE PRODUCTS: TRANE, BRYANT, LENNOX.

**LEGEND**

MARK	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
BDD	BACKDRAFT DAMPER
Ⓧ	THERMOSTAT
Ⓧ <sub>205 CFM</sub>	AIR DISTRIBUTION DEVICE TAG, BALANCE TO 205 CFM
DB	DRY BULB (°F.)
14x12	DUCT SIZE (RECTANGULAR)
8"φ	DUCT SIZE (ROUND)
EWH	ELECTRIC WALL HEATER
EAT	ENTERING AIR TEMPERATURE (°F.)
AHU-1	EQUIPMENT NUMBER DESIGNATION (AHU-1)
EF	EXHAUST FAN
EXH	EXHAUST
ESP	EXTERNAL STATIC PRESSURE (IN. W.C.)
—	FIRE DAMPER, FD
LAT	LEAVING AIR TEMPERATURE (°F.)
MTD	MOUNTED
MVD	MANUAL VOLUME DAMPER
OA	OUTSIDE AIR (°F.)
RA	RETURN AIR
☑	RETURN OR EXHAUST DUCT OR OUTLET
Ⓧ	SMOKE DETECTOR
SA	SUPPLY AIR
☑	SUPPLY OR OUTSIDE AIR DUCT OR OUTLET
U.C. 1"	UNDERCUT (DOOR) 1"
WB	WET BULB (°F.)
—	LINED DUCTWORK
☑	24x24 OR 12x24 RETURN AIR GRILLE. SEE TAGS IN SCHEDULE
☑	CEILING DIFFUSER W/FLEX DUCT
☑	CEILING RETURN GRILLE W/FLEX DUCT
☑	SIDEWALL SUPPLY AIR GRILLE
☑	SIDEWALL RETURN AIR GRILLE

**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030  
**ALLEN WILSON**  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP**  
 ARCHITECTURE, INC.  
 2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4468 | F: 404.233.7396 | LIC. NO. AA 0002442  
 E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250, SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackleford Road, Suite 200  
 Norcross, GA 30093  
 770-447-6547 Fax: 770-448-0262  
 Contact: VERN SMITH

**KEY PLAN**

4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Revision Description Date

Project No. **AH00132.00**

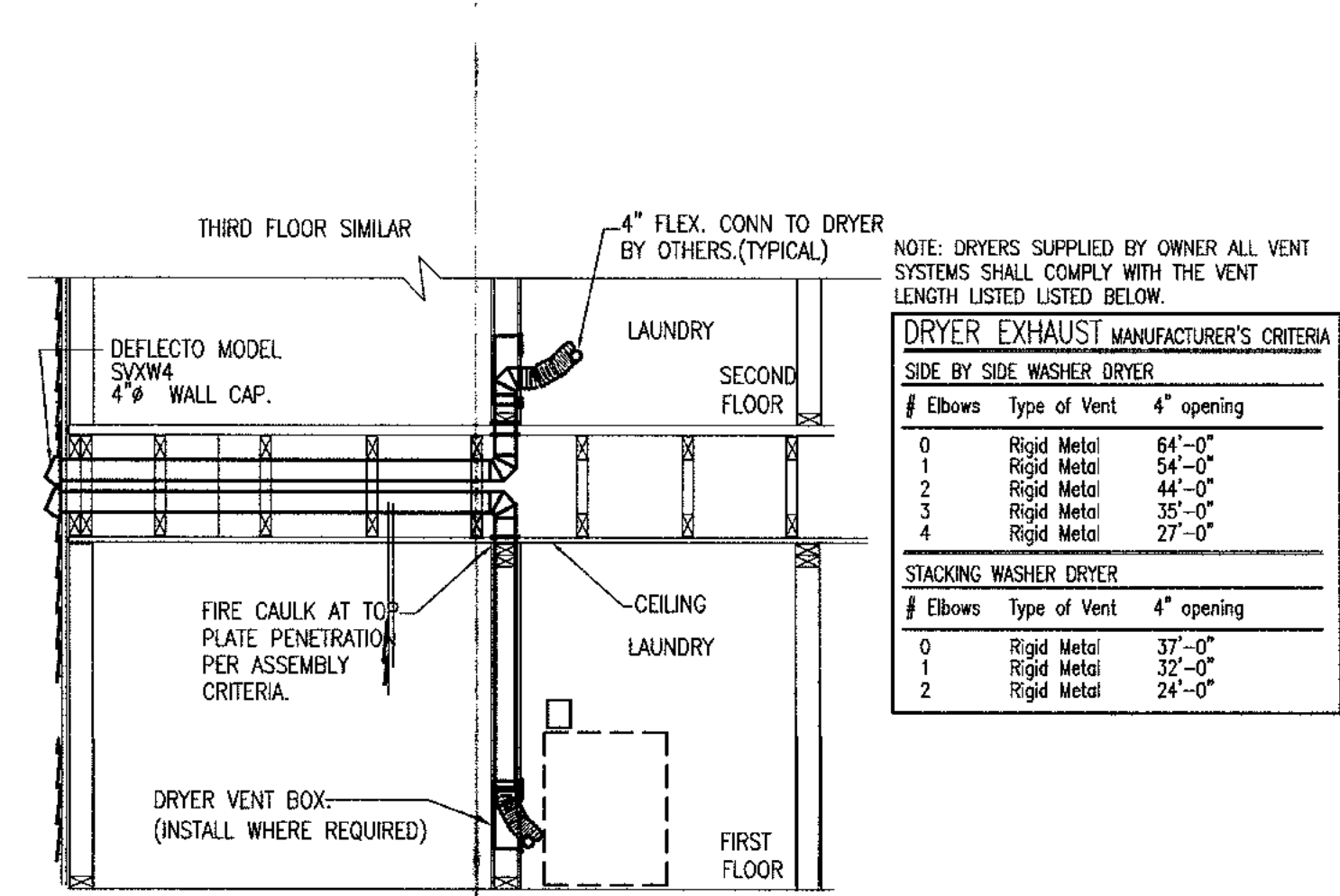
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Scale **NONE** Date August 1, 2011

Drawing Title  
**SCHEDULES HVAC**

Sheet Number  
**M0.02**

Professional of Record: **Stewart Allen**  
 Professional Registration No: **GA 3051**  
 Seal:  
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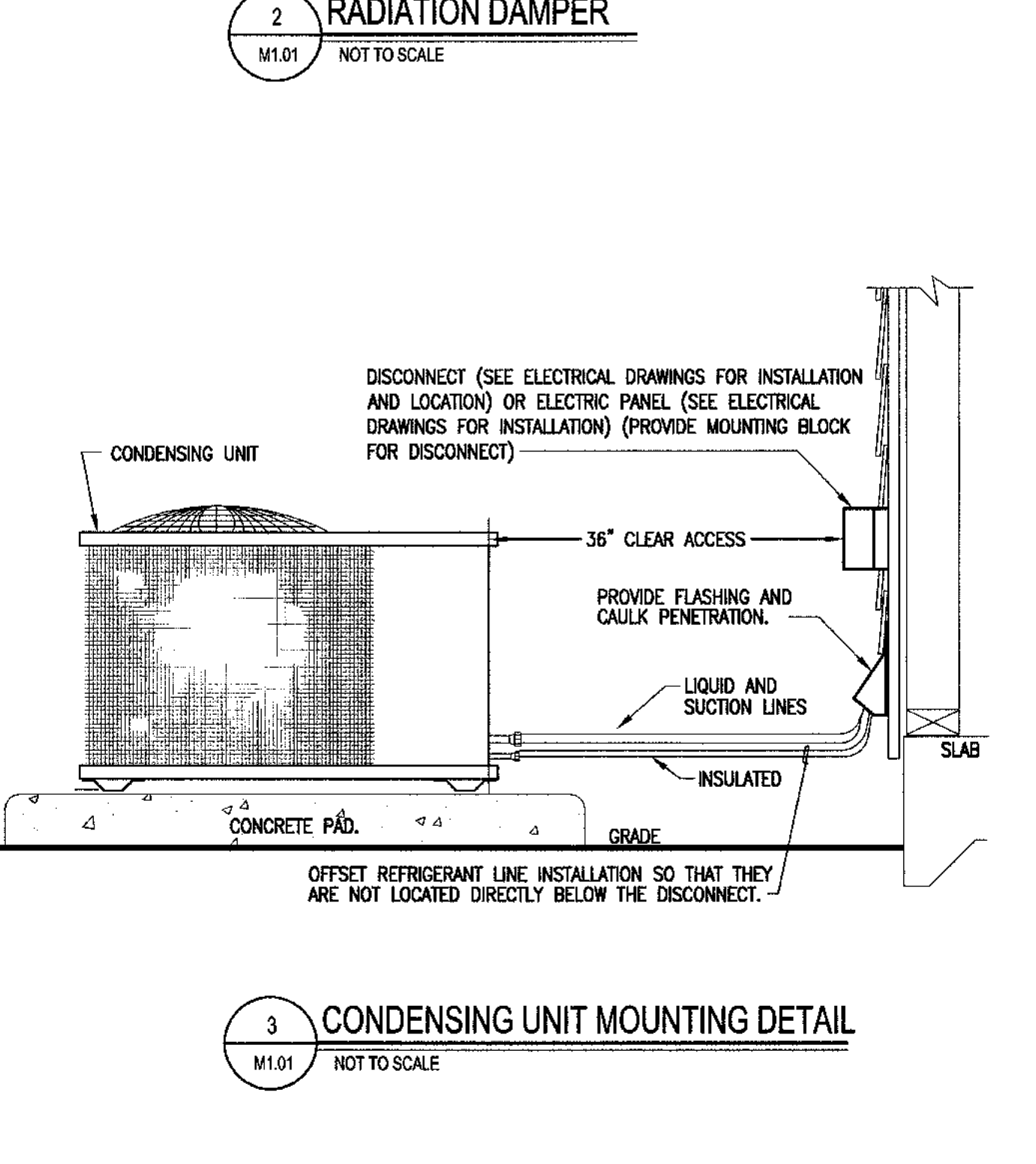
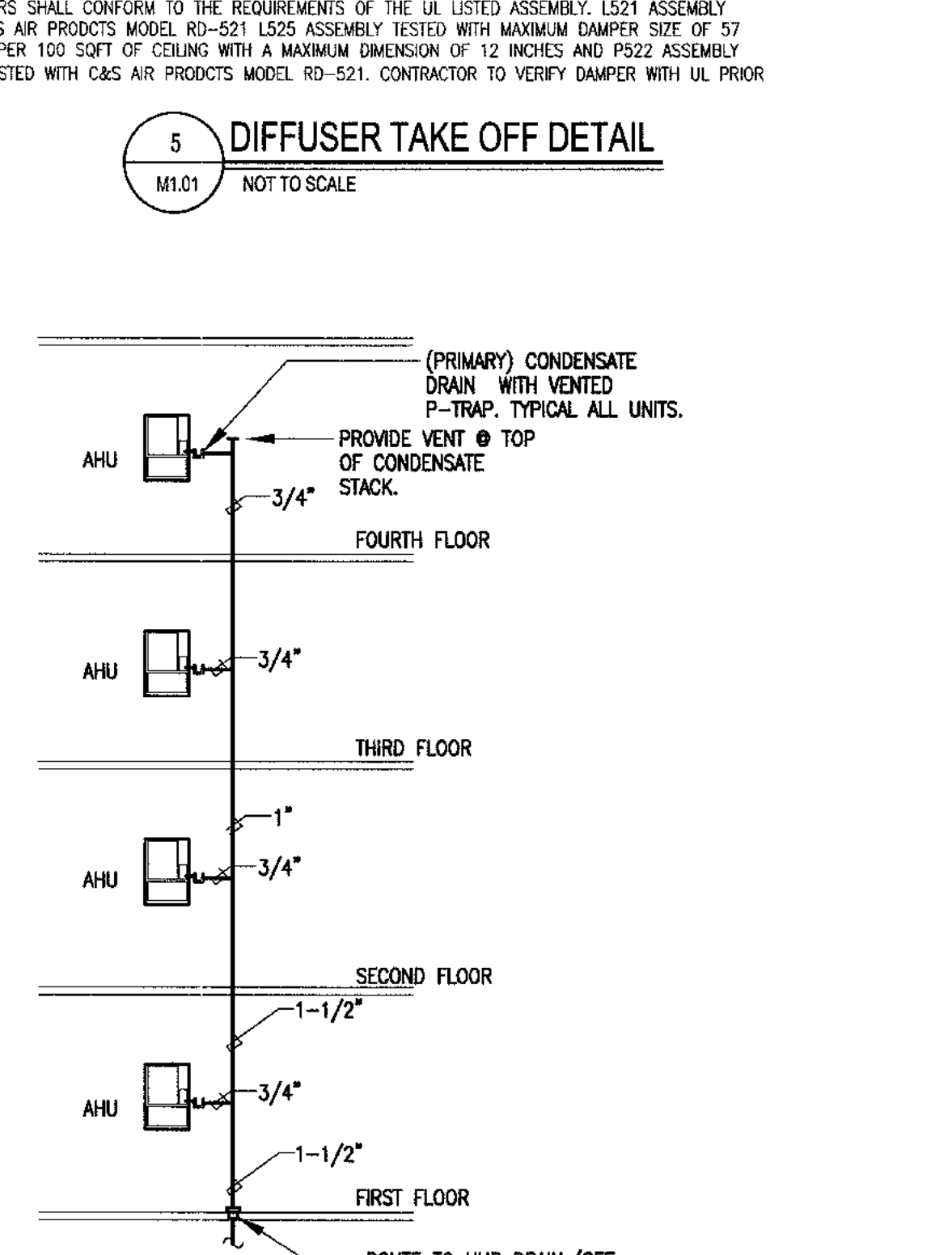
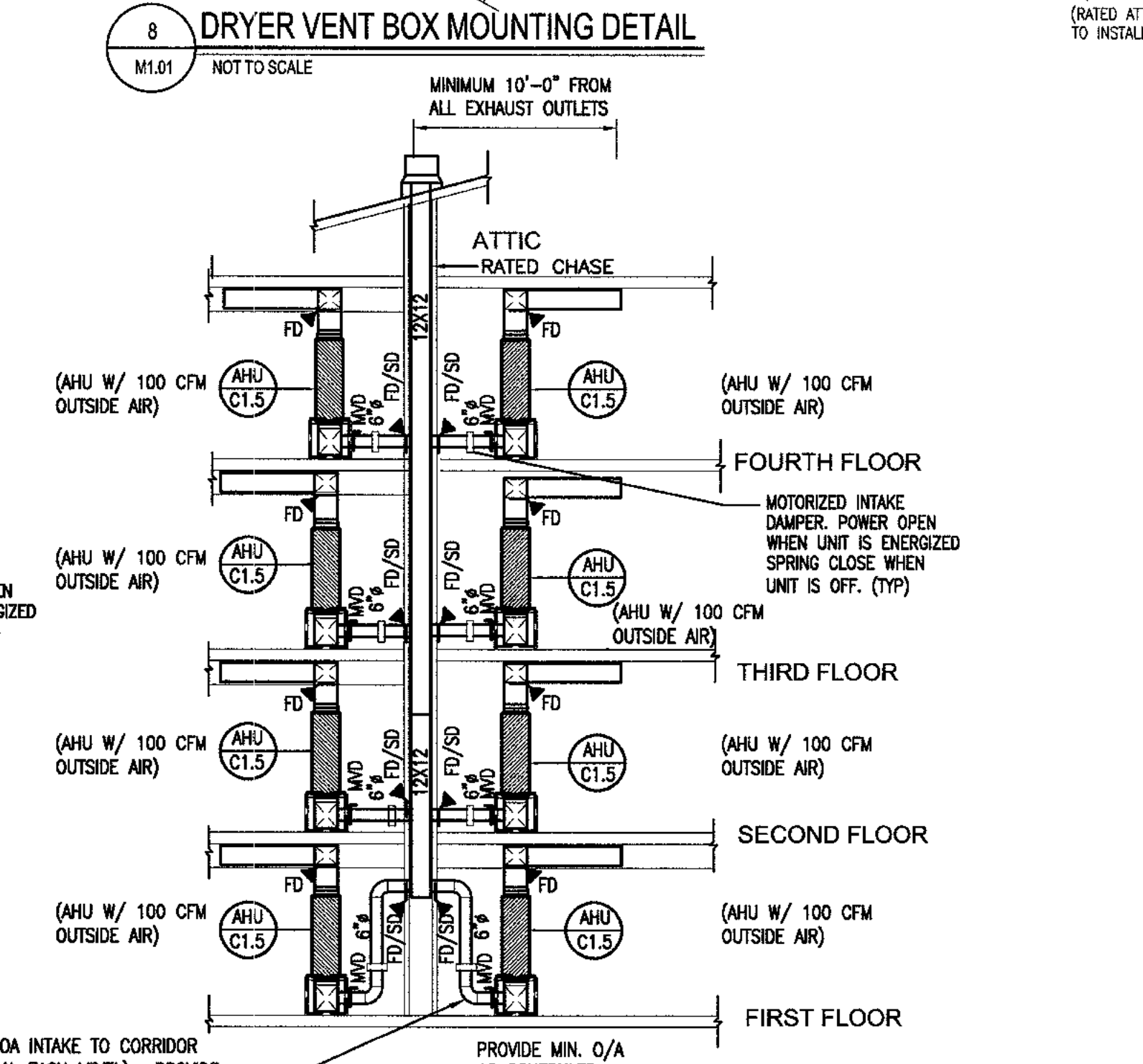
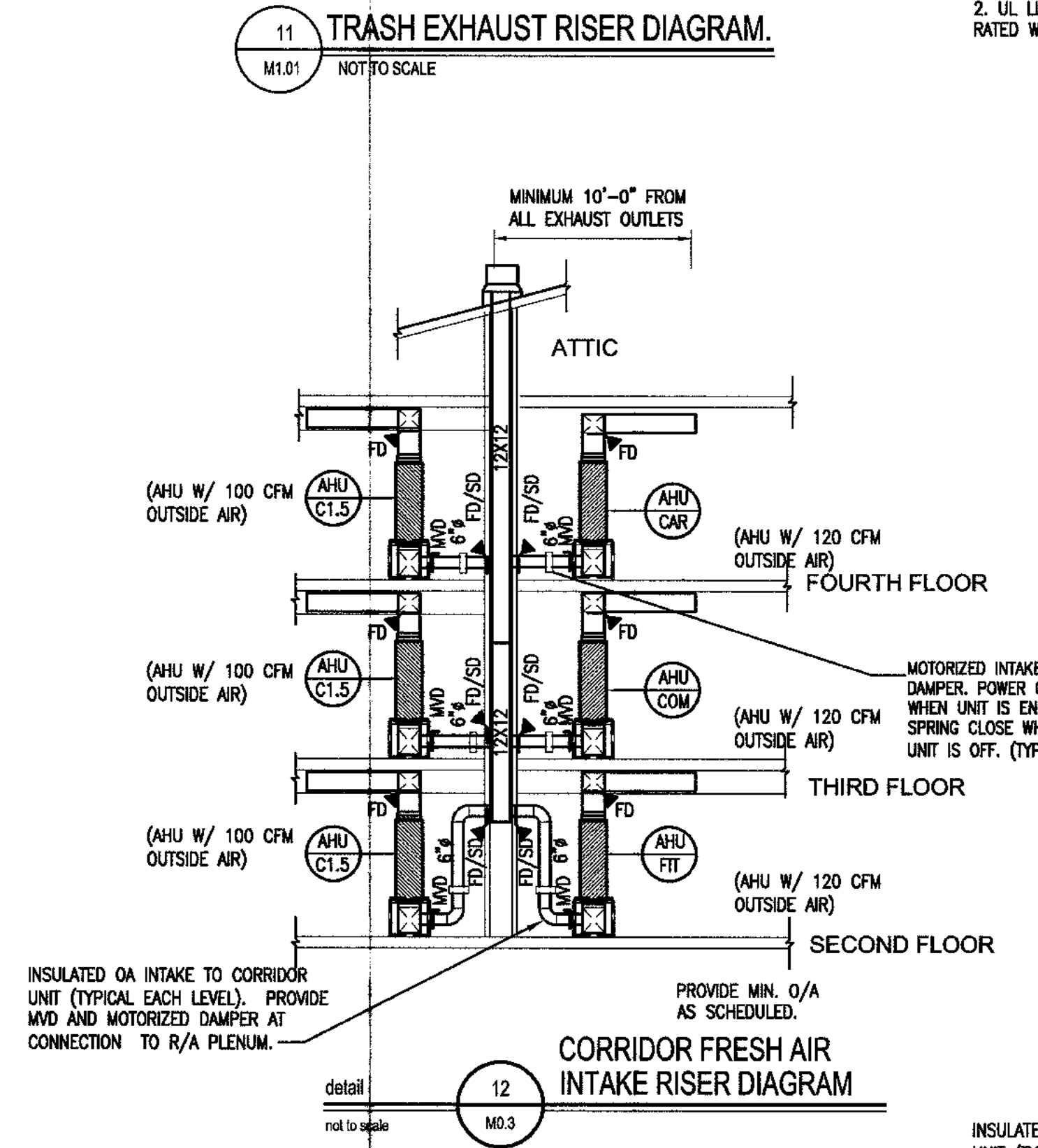
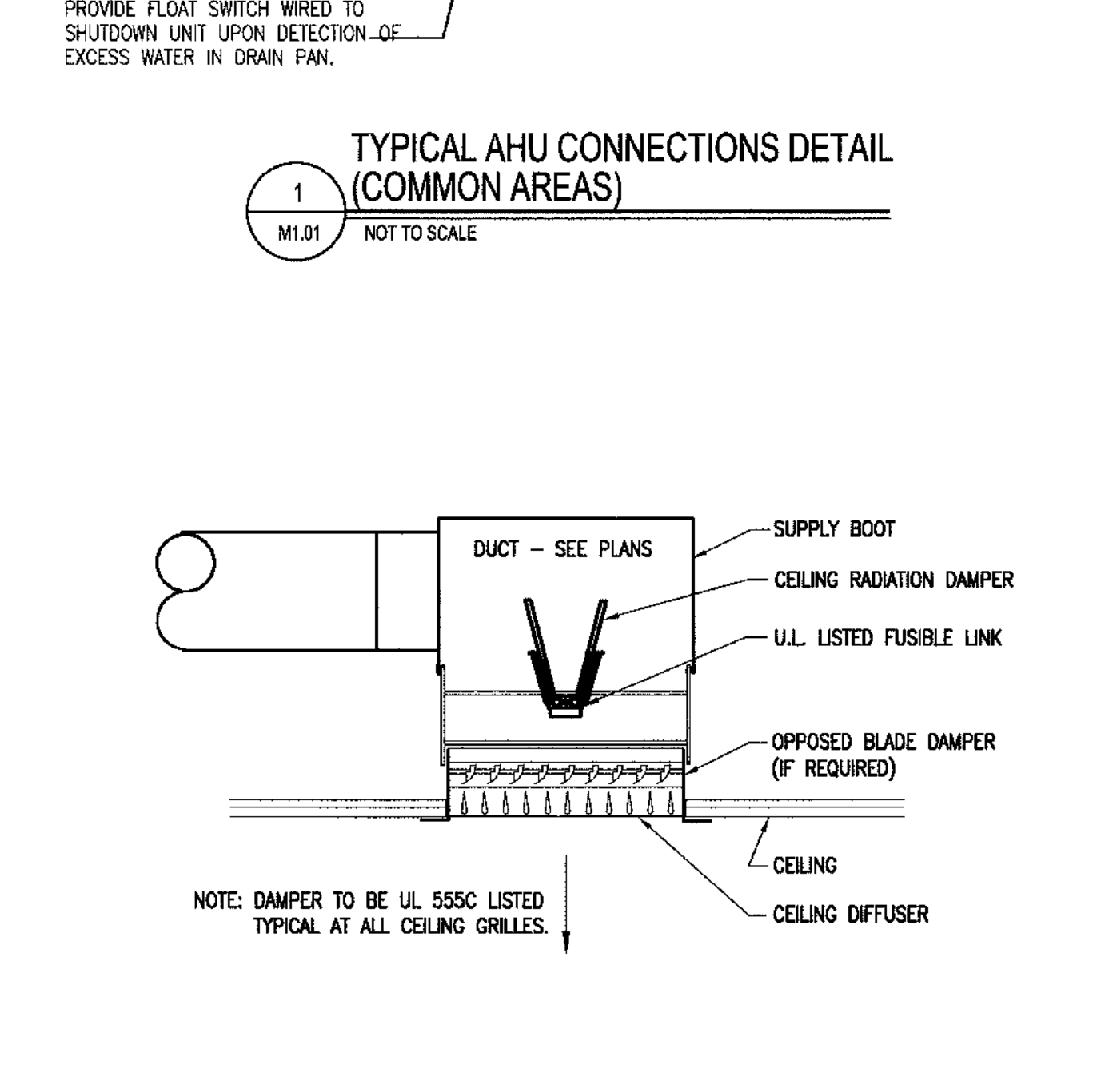
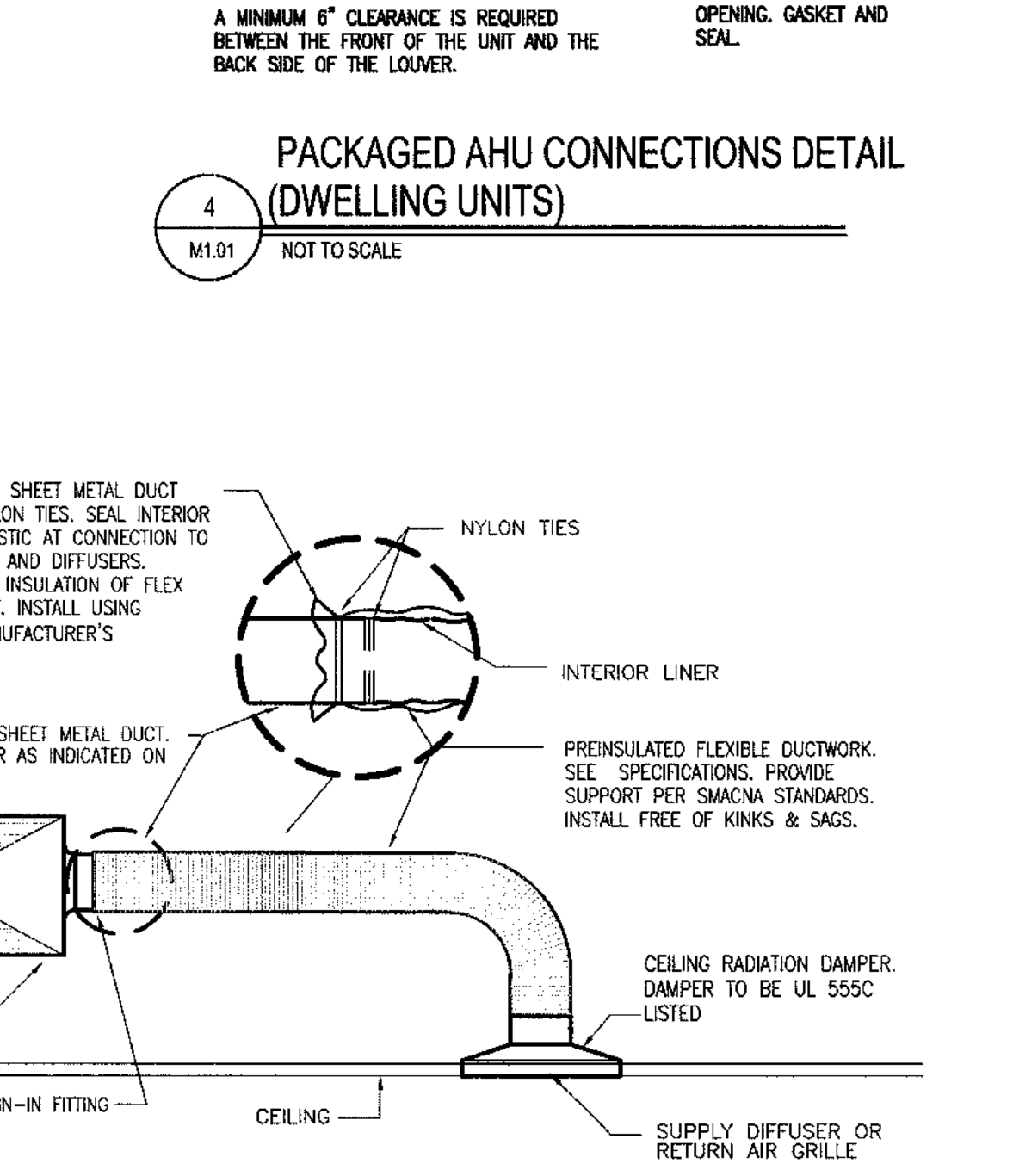
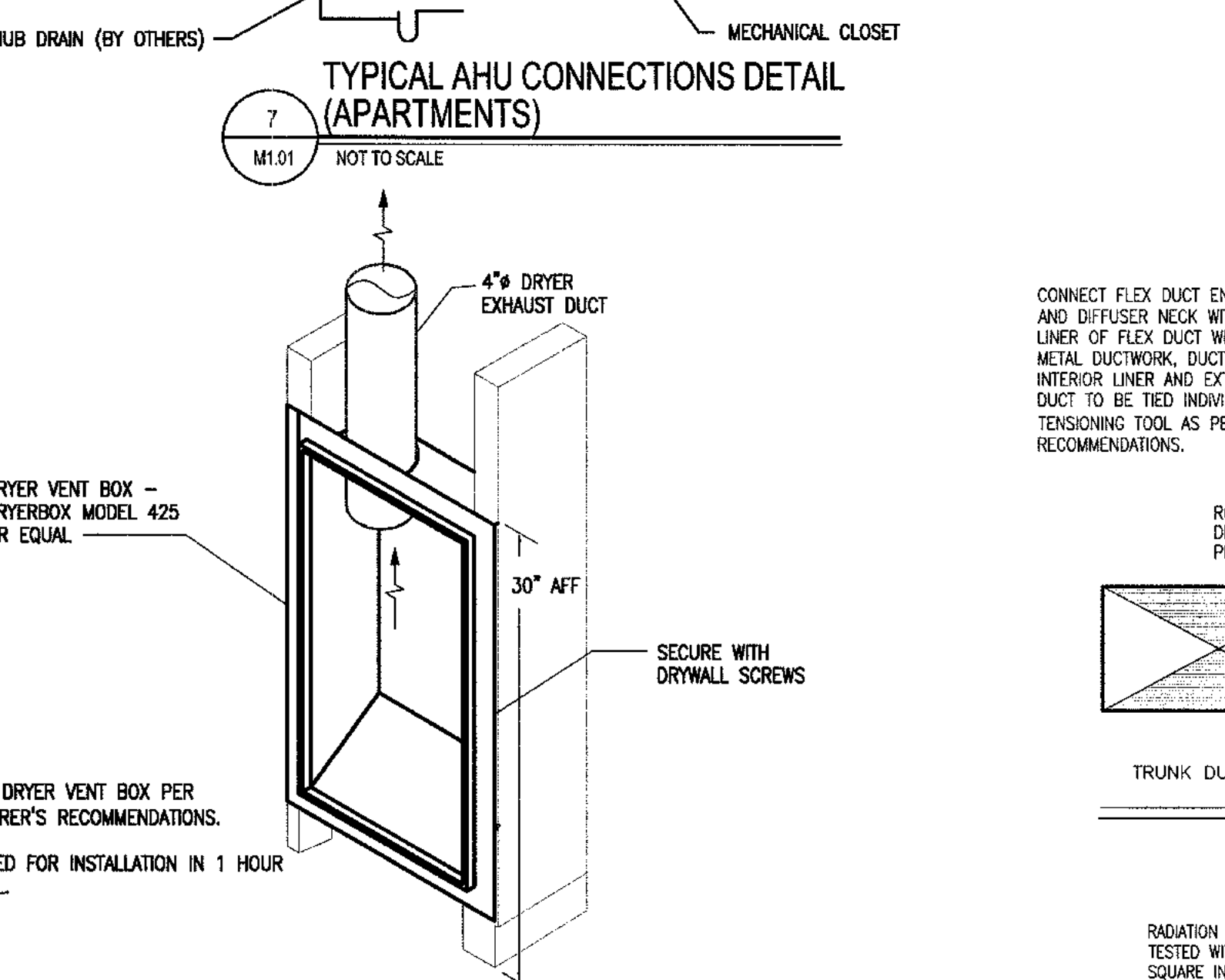
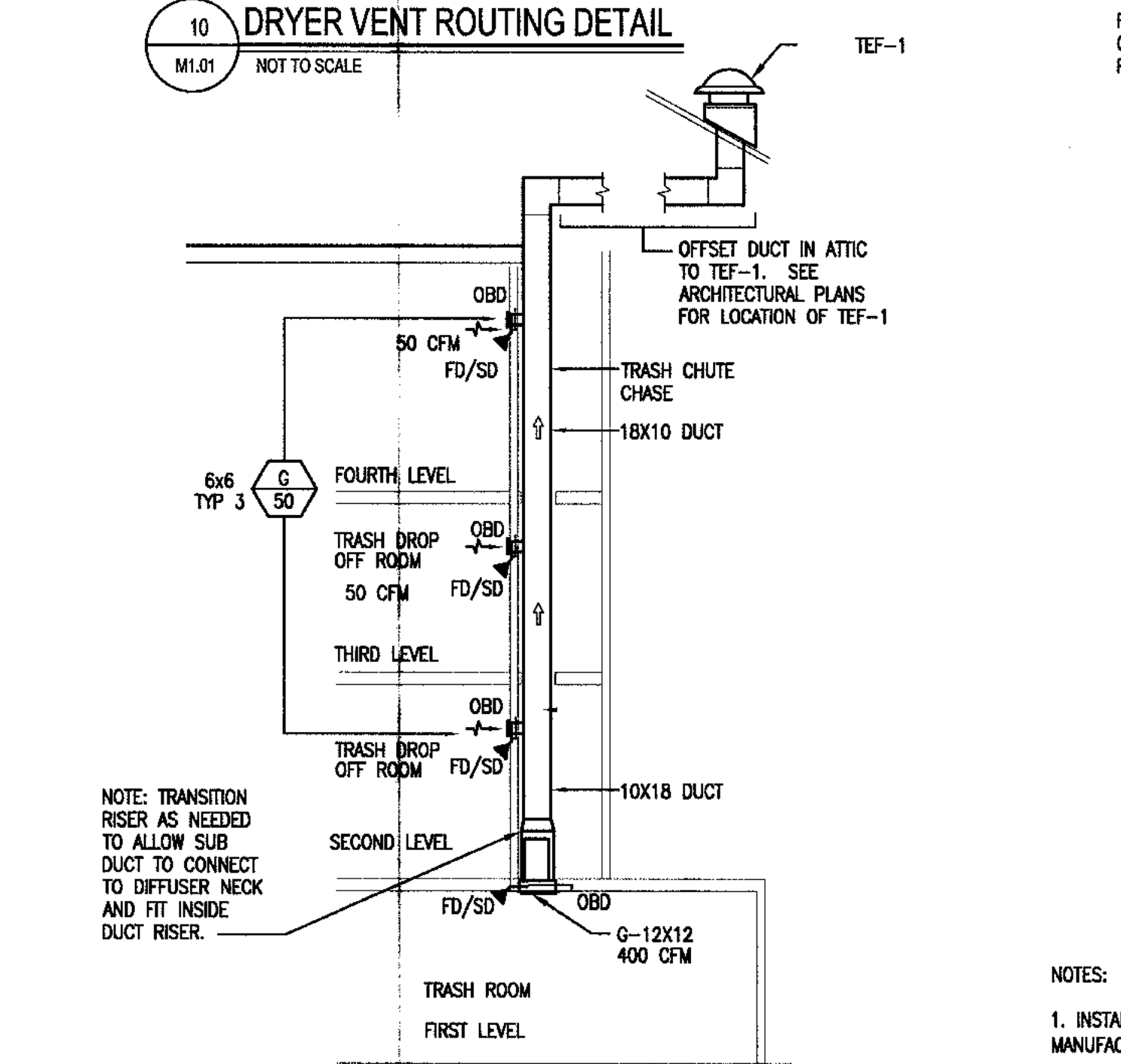
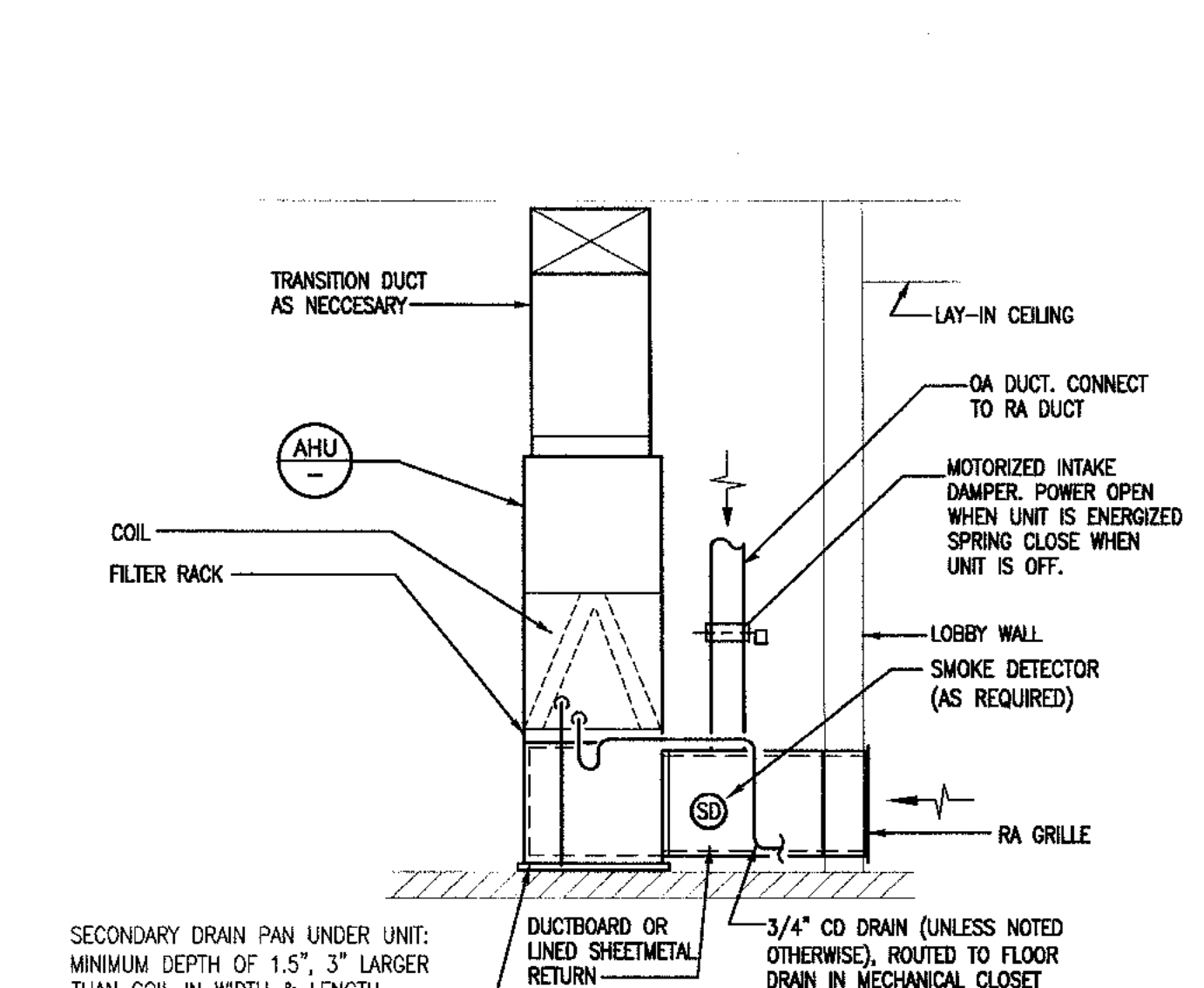
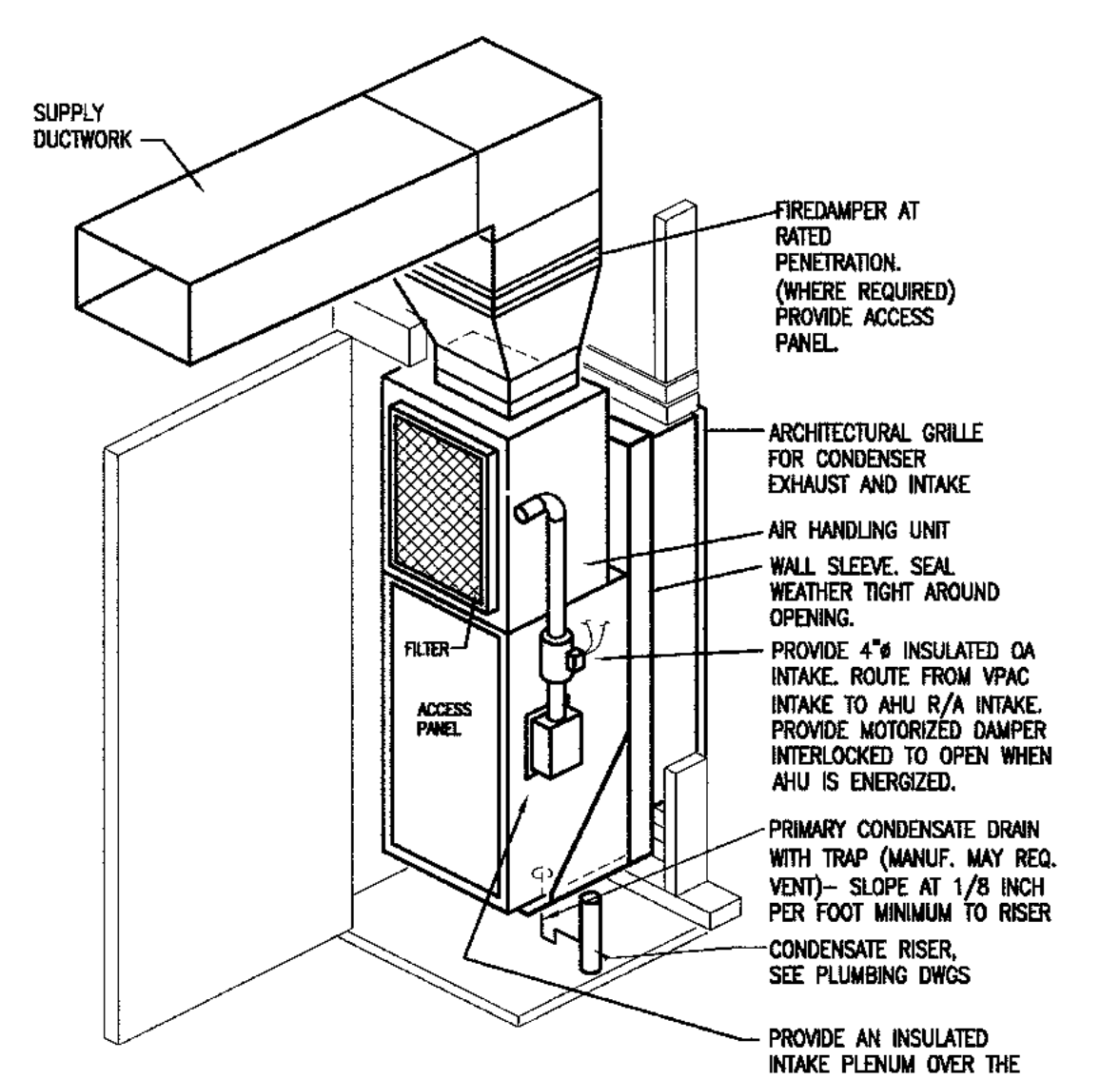
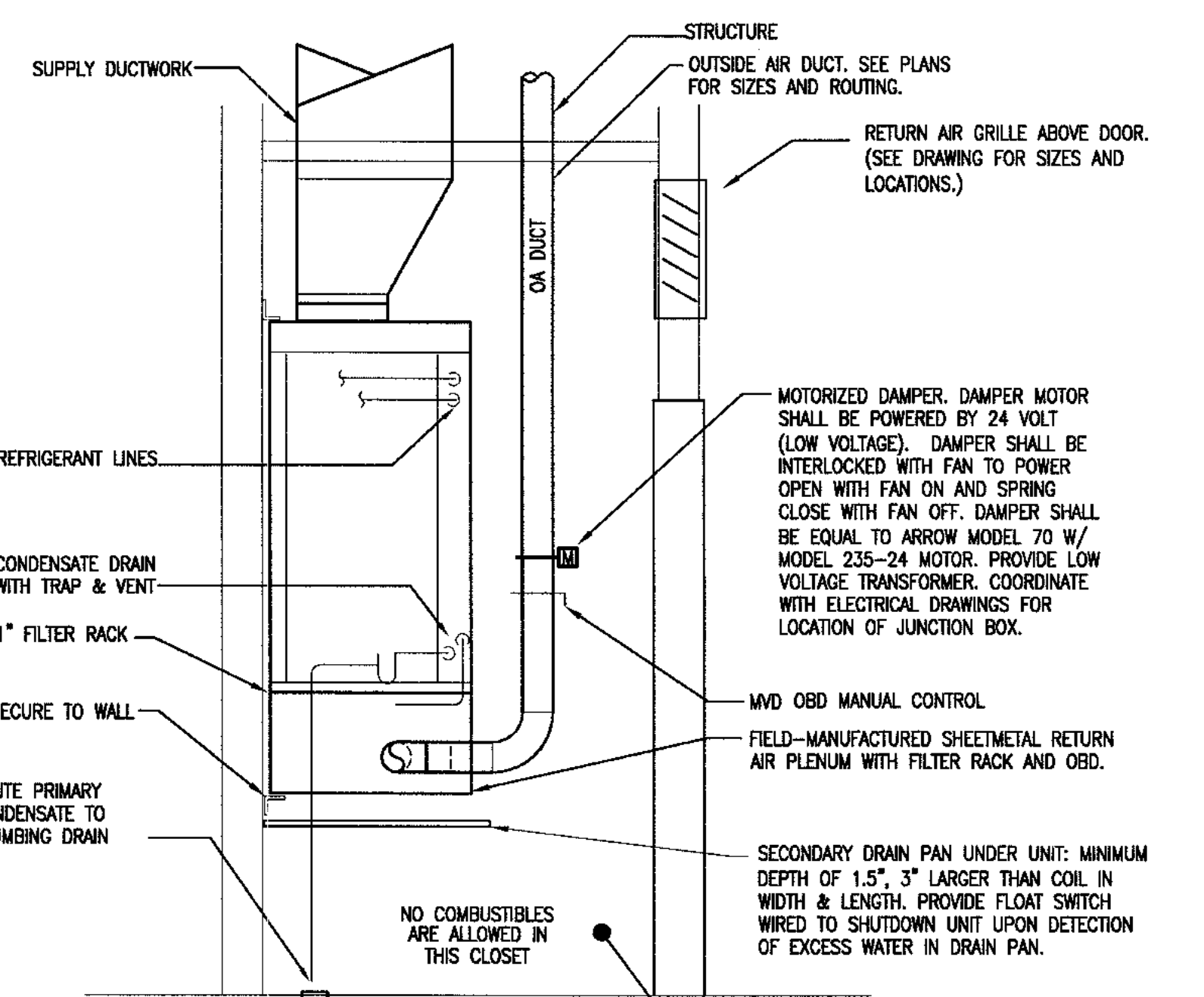
NOTE: DRYERS SUPPLIED BY OWNER ALL VENT SYSTEMS SHALL COMPLY WITH THE VENT LENGTH LISTED LISTED BELOW.

**DRYER EXHAUST MANUFACTURER'S CRITERIA**

# Elbows	Type of Vent	4" opening
0	Rigid Metal	64'-0"
1	Rigid Metal	54'-0"
2	Rigid Metal	44'-0"
3	Rigid Metal	35'-0"
4	Rigid Metal	27'-0"

**STACKING WASHER DRYER**

# Elbows	Type of Vent	4" opening
0	Rigid Metal	37'-0"
1	Rigid Metal	32'-0"
2	Rigid Metal	24'-0"



**GEORGIA REGISTERED ENGINEER**  
No. 17742  
**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

**ALLEN WILSON**  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 000242  
E: info@hadp.com | www.hadp.com

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**Civil Engineer**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**Structural Engineer**  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

**KEY PLAN**

Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/22/11
1	Addendum#1	2/13/11

Project No. **AW0132.00**

File Name \_\_\_\_\_ Scale **NONE** Date August 1, 2011

Drawing Title **DETAILS HVAC**

Sheet Number **M0.03**

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ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT Rd NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7386 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0282  
Contact: VERN SMITH

KEY PLAN

Revision	Description	Date
4	Addendum4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum2	2/22/11
1	Addendum1	2/10/11

Project No. **AH08132.00**

File Name

Scale **NONE** Date August 1, 2011

Drawing Title

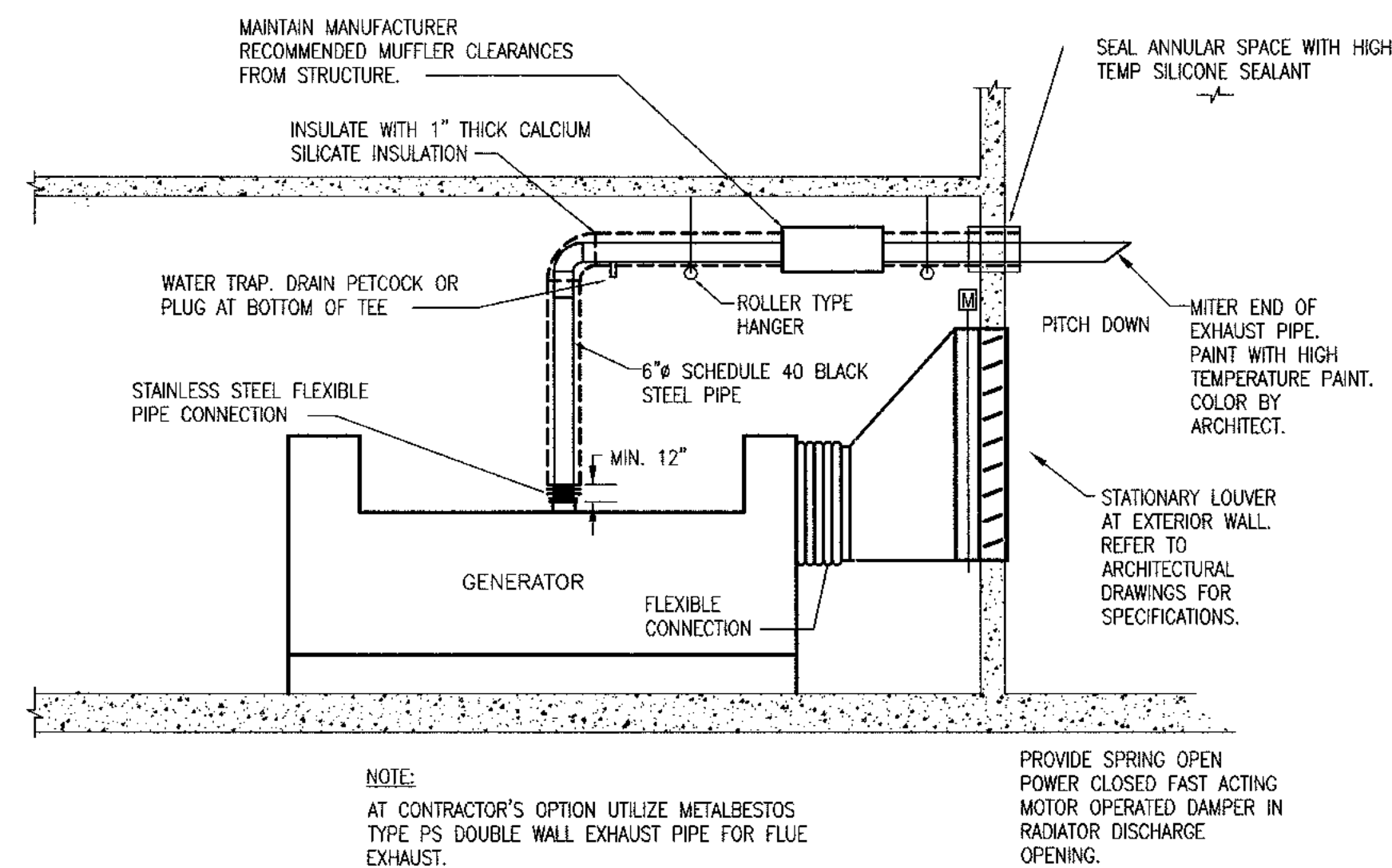
**DETAILS  
HVAC**

Sheet Number

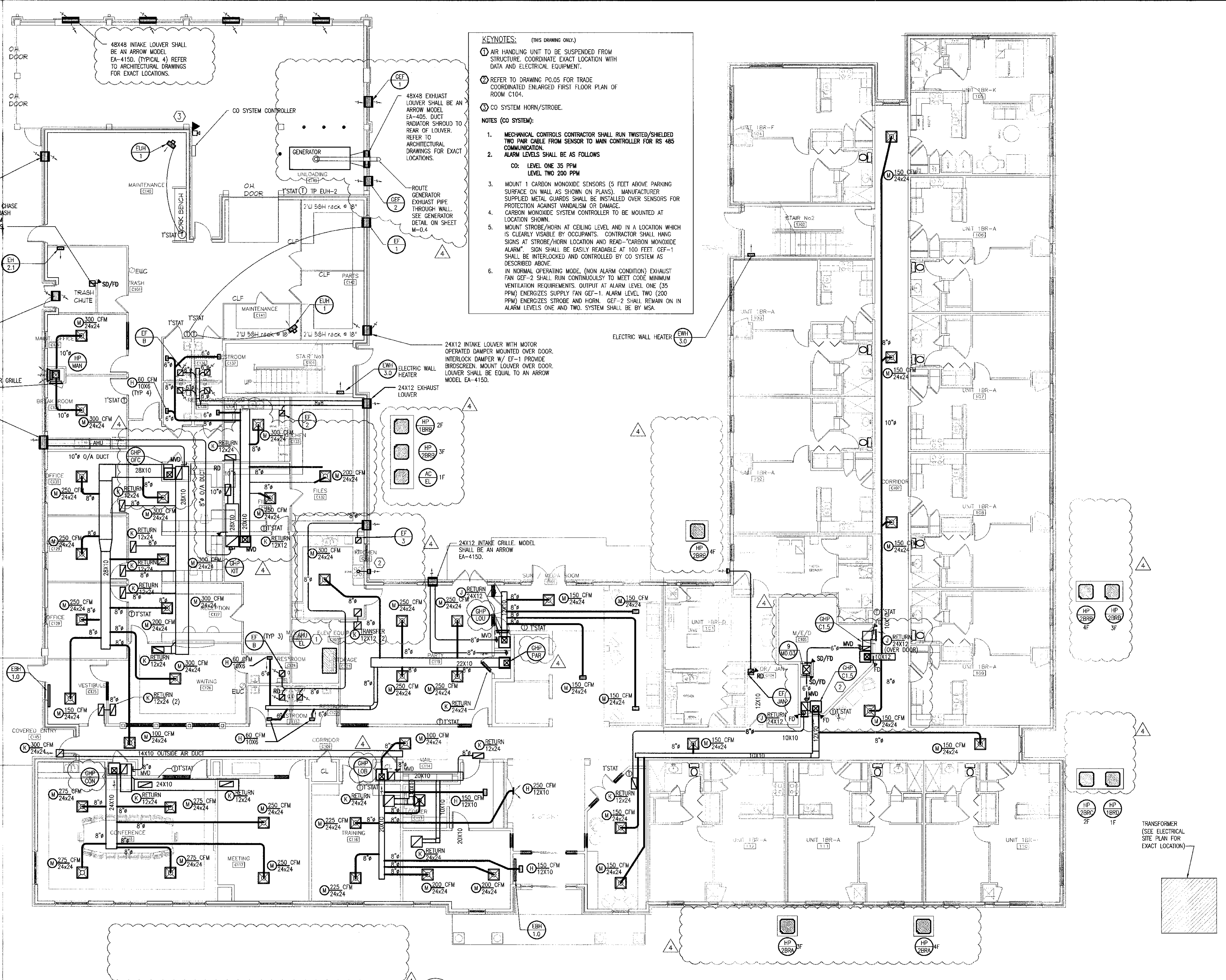
**MO.04**

Professional of Record: **Steven Alban**  
Professional Registration No: **GA 3051**

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DETAIL 1 GENERATOR VENTILATION AND EXHAUST DETAIL  
M.O.4 HVAC



**KEYNOTES:** (THIS DRAWING ONLY.)

- AIR HANDLING UNIT TO BE SUSPENDED FROM STRUCTURE. COORDINATE EXACT LOCATION WITH DATA AND ELECTRICAL EQUIPMENT.
- REFER TO DRAWING P.O.5 FOR TRADE COORDINATED ENLARGED FIRST FLOOR PLAN OF ROOM C104.
- CO SYSTEM HORN/STROBE.

**NOTES (CO SYSTEM):**

- MECHANICAL CONTROLS CONTRACTOR SHALL RUN TWISTED/SHIELDED TWO PAIR CABLE FROM SENSOR TO MAIN CONTROLLER FOR RS 485 COMMUNICATION. ALARM LEVELS SHALL BE AS FOLLOWS:  
CO: LEVEL ONE 35 PPM  
LEVEL TWO 200 PPM
- MOUNT 1 CARBON MONOXIDE SENSORS (5 FEET ABOVE PARKING SURFACE ON WALL AS SHOWN ON PLANS). MANUFACTURER SUPPLIED METAL GUARDS SHALL BE INSTALLED OVER SENSORS FOR PROTECTION AGAINST VANDALISM OR DAMAGE. CARBON MONOXIDE SYSTEM CONTROLLER TO BE MOUNTED AT LOCATION SHOWN.
- MOUNT STROBE/HORN AT CEILING LEVEL AND IN A LOCATION WHICH IS CLEARLY VISIBLE BY OCCUPANTS. CONTRACTOR SHALL HANG SIGNS AT STROBE/HORN LOCATION AND READ-"CARBON MONOXIDE ALARM". SIGN SHALL BE EASILY READABLE AT 100 FEET. GEF-1 SHALL BE INTERLOCKED AND CONTROLLED BY CO SYSTEM AS DESCRIBED ABOVE.
- IN NORMAL OPERATING MODE (NON ALARM CONDITION) EXHAUST FAN GEF-2 SHALL RUN CONTINUOUSLY TO MEET CODE MINIMUM VENTILATION REQUIREMENTS. OUTPUT AT ALARM LEVEL ONE (35 PPM) ENERGIZES SUPPLY FAN GEF-1. ALARM LEVEL TWO (200 PPM) ENERGIZES STROBE AND HORN. GEF-2 SHALL REMAIN ON IN ALARM LEVELS ONE AND TWO. SYSTEM SHALL BE BY MSA.

**1 FLOOR PLAN - FIRST FLOOR**  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7398 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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**Civil Engineer**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**Structural Engineer**  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0282  
Contact: VERN SMITH

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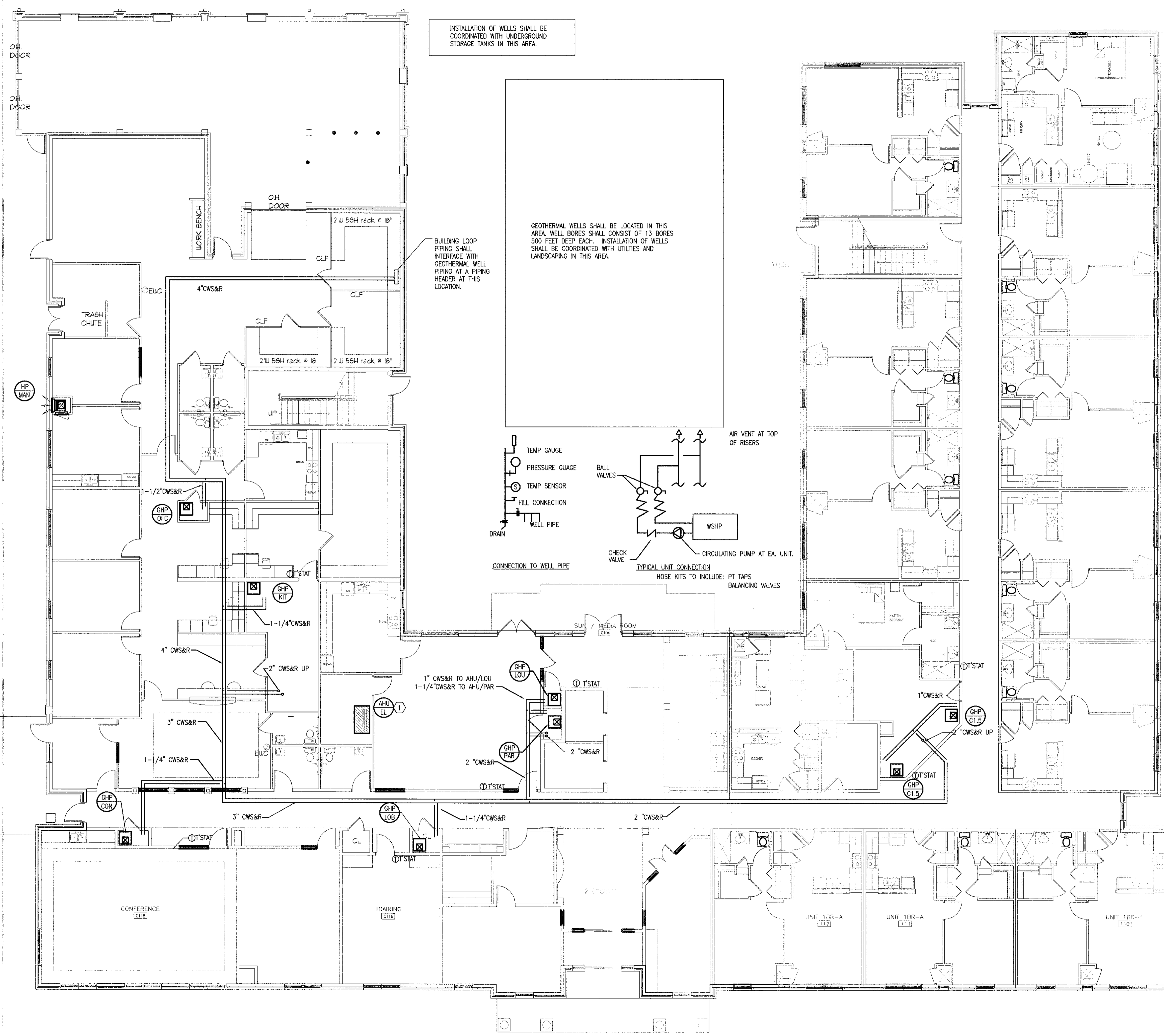
Project No. **AH00132.00**  
File Name  
Scale **1/8" = 1'-0"** Date August 1, 2011  
Drawing Title

**FLOOR PLAN - FIRST FLOOR**

Sheet Number **M1.01**

Professional of Record: **Stewart Allen**  
Professional Registration No: GA 3051  
Seal

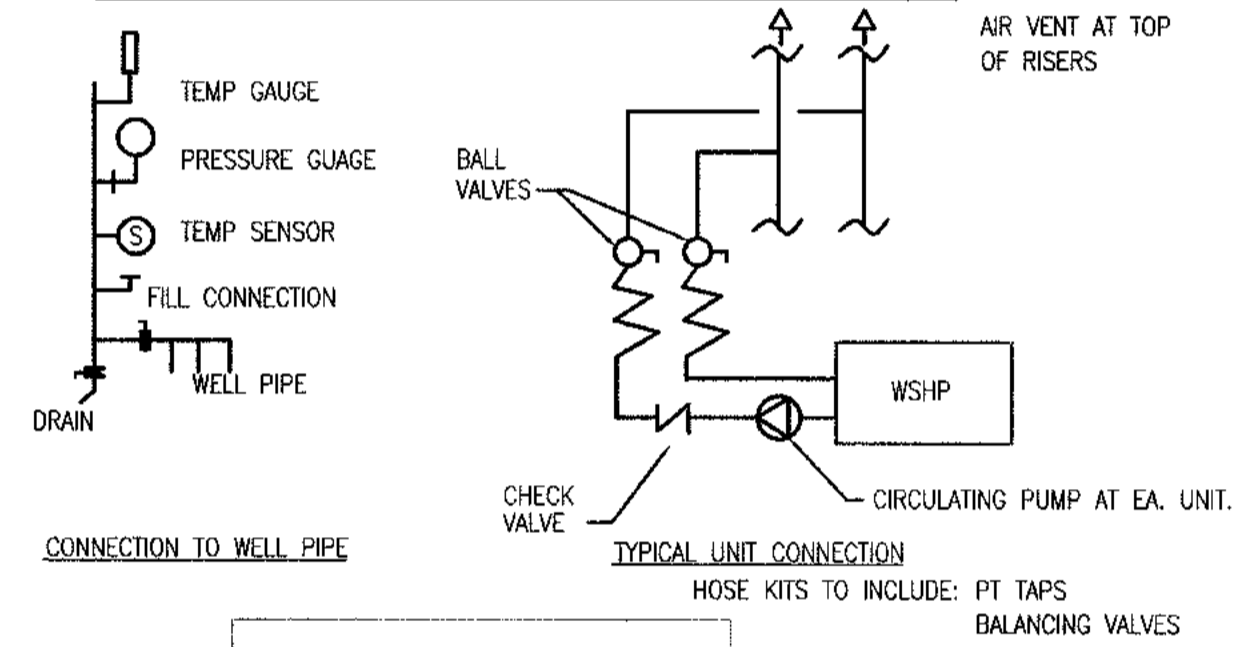
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INSTALLATION OF WELLS SHALL BE COORDINATED WITH UNDERGROUND STORAGE TANKS IN THIS AREA.

BUILDING LOOP PIPING SHALL INTERFACE WITH GEOTHERMAL WELL PIPING AT A PIPING HEADER AT THIS LOCATION.

GEOTHERMAL WELLS SHALL BE LOCATED IN THIS AREA. WELL BORES SHALL CONSIST OF 13 BORES 500 FEET DEEP EACH. INSTALLATION OF WELLS SHALL BE COORDINATED WITH UTILITIES AND LANDSCAPING IN THIS AREA.



1 FLOOR PLAN - FIRST FLOOR  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011



ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7398 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

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Project No. **AH08132.00**  
File Name  
Scale 1/8" = 1'-0" Date August 1, 2011  
Drawing Title

**FIRST FLOOR  
GEOTHERMAL  
PIPING**


Sheet Number **M1.01P**

Professional of Record: **Stewart Allan**  
Professional Registration No. GA 3051  
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1 FLOOR PLAN - SECOND FLOOR  
1/8" = 1'-0"

  
**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

  
**HADP**  
 ARCHITECTURE, INC.

2722 PIEDMONT BLVD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7398 | LIC. No. AA-0002442  
 E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackelford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH

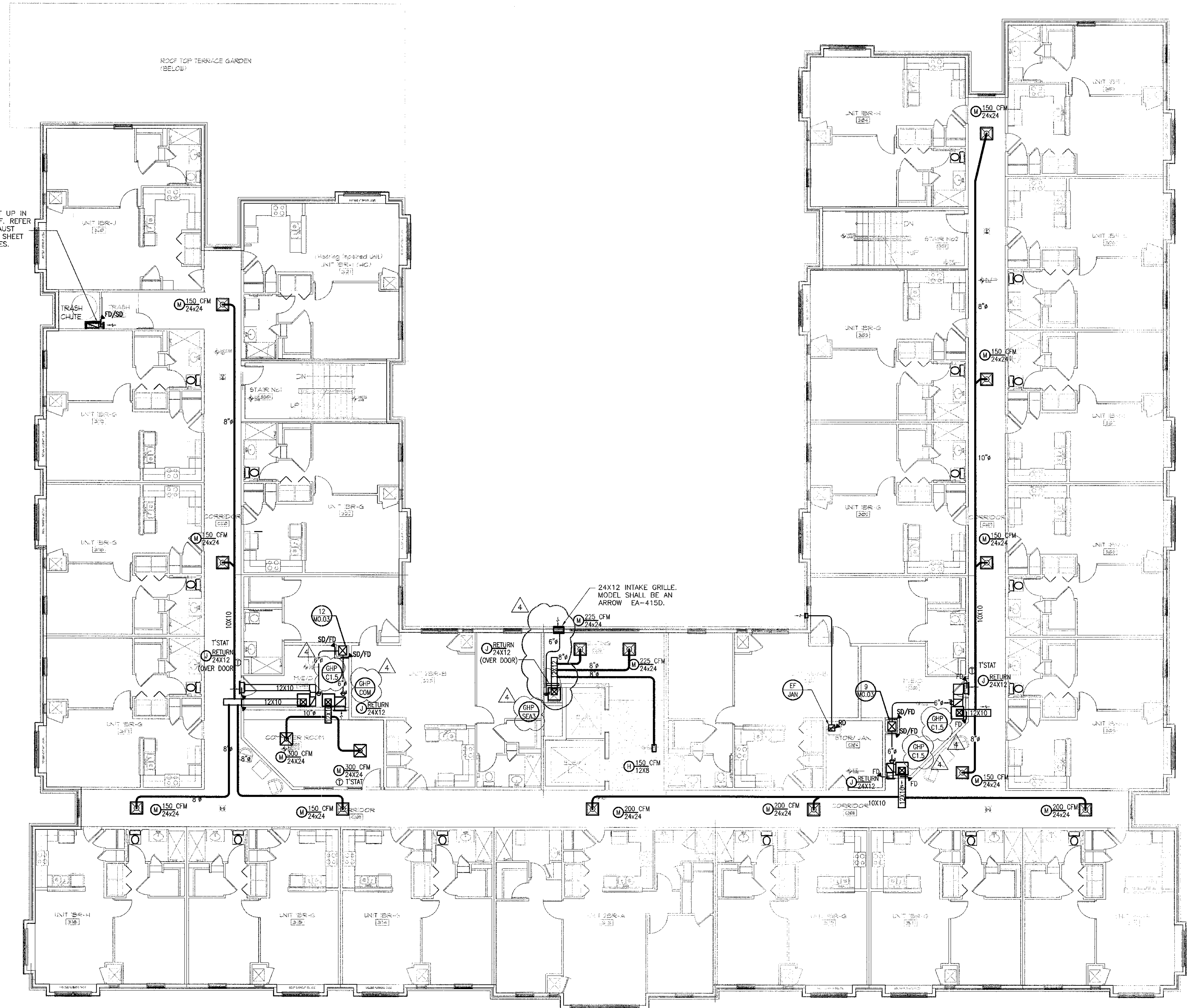
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Project No. **AH08132.00**  
 File Name  
 Scale 1/8" = 1'-0" Date August 1, 2011  
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**FLOOR PLAN - SECOND FLOOR**  
 Sheet Number  
**M1.02**

Professional of Record: **Stewart Allan**  
 Professional Registration No: GA 3051  
 Site:

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TRASH EXHAUST UP IN CHASE TO ROOF. REFER TO TRASH EXHAUST RISER DIAGRAM SHEET M0.03 FOR SIZES.

1 FLOOR PLAN - THIRD FLOOR  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011



ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT BLVD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7398 | LIC. No. AA 0002442  
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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

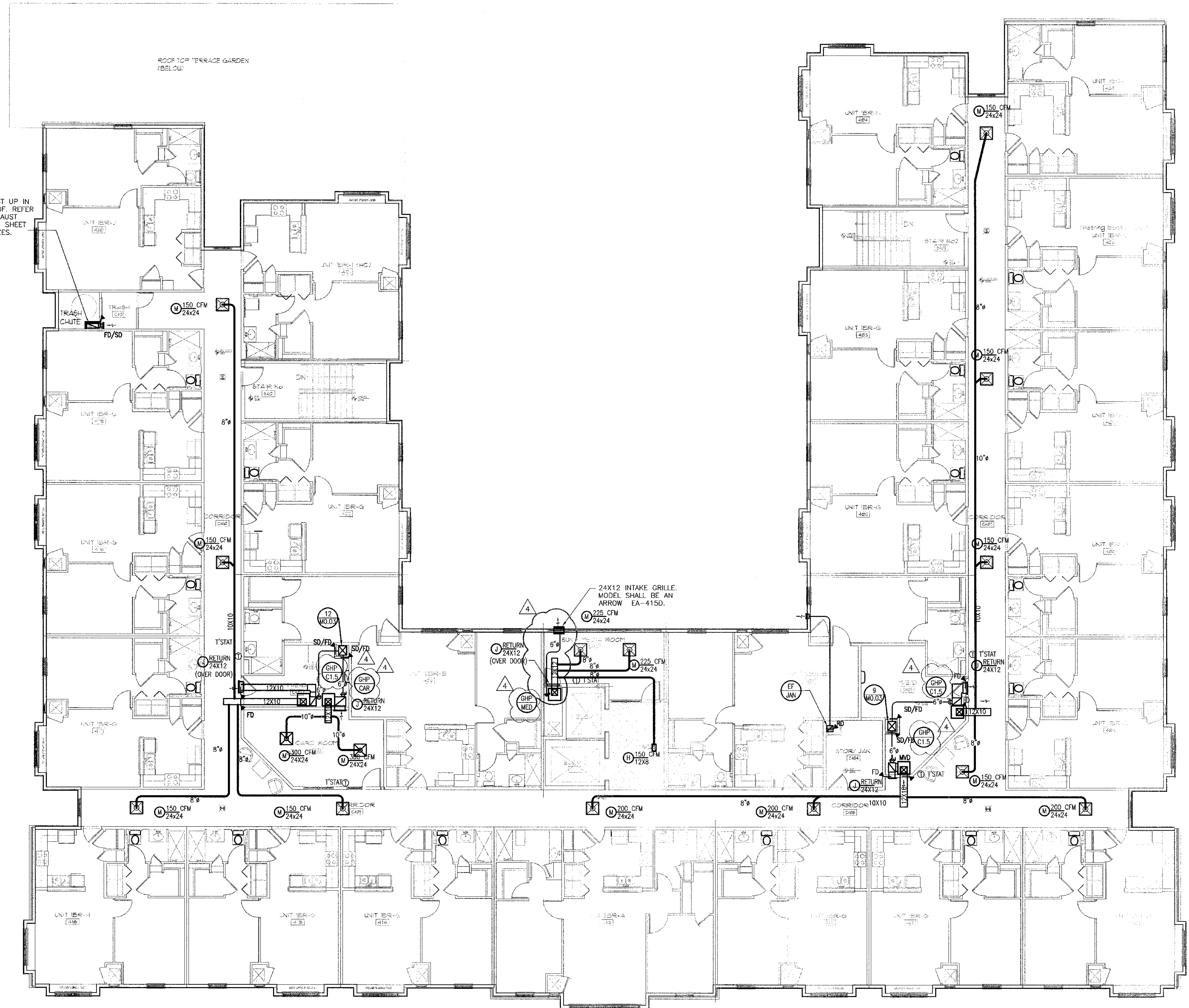
KEY PLAN		
Revision	Description	Date
4	Addressum#4 & Co-ordination	4/19/11
3	City Review Comments	4/1/11
2	Addressum#2	2/21/11
1	Addressum#1	2/19/11

Project No. **AH06132.00**  
File Name  
Scale 1/8" = 1'-0" Date August 1, 2011  
Drawing Title

**FLOOR PLAN - THIRD FLOOR**

Sheet Number **M1.03**

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Professional Registration No: GA 3051  
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TRASH EXHAUST UP IN CHASE TO ROOF. REFER TO TRASH EXHAUST RISER DIAGRAM SHEET MO.03 FOR SIZES.

24X12 INTAKE GRILLE. MODEL SHALL BE AN ARROW EA-415D.

1 FLOOR PLAN - FOURTH FLOOR  
1/8" = 1'-0"

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ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Shilohs, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
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Project No. AH06132.00

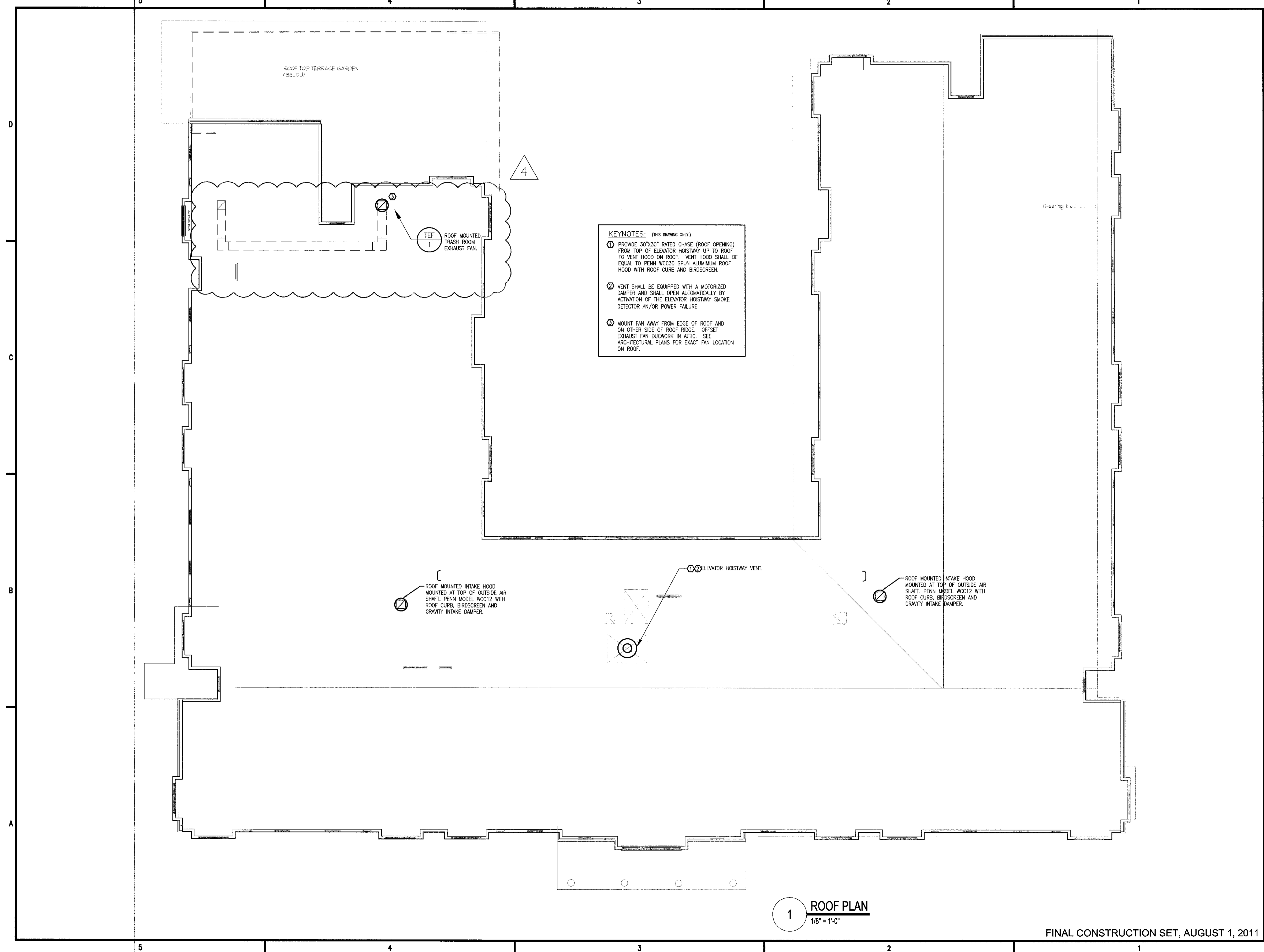
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FLOOR PLAN - FOURTH FLOOR

Sheet Number  
**M1.04**

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**KEYNOTES:** (THIS DRAWING ONLY.)

① PROVIDE 30"x30" RATED CHASE (ROOF OPENING) FROM TOP OF ELEVATOR HOISTWAY UP TO ROOF TO VENT HOOD ON ROOF. VENT HOOD SHALL BE EQUAL TO PENN WCC30 SPUN ALUMINUM ROOF HOOD WITH ROOF CURB AND BIRDSCREEN.

② VENT SHALL BE EQUIPPED WITH A MOTORIZED DAMPER AND SHALL OPEN AUTOMATICALLY BY ACTIVATION OF THE ELEVATOR HOISTWAY SMOKE DETECTOR AN/OR POWER FAILURE.

③ MOUNT FAN AWAY FROM EDGE OF ROOF AND ON OTHER SIDE OF ROOF RIDGE. OFFSET EXHAUST FAN DUCTWORK IN ATTIC. SEE ARCHITECTURAL PLANS FOR EXACT FAN LOCATION ON ROOF.

ROOF MOUNTED INTAKE HOOD MOUNTED AT TOP OF OUTSIDE AIR SHAFT. PENN MODEL WCC12 WITH ROOF CURB, BIRDSCREEN AND GRAVITY INTAKE DAMPER.

ELEVATOR HOISTWAY VENT.

ROOF MOUNTED INTAKE HOOD MOUNTED AT TOP OF OUTSIDE AIR SHAFT. PENN MODEL WCC12 WITH ROOF CURB, BIRDSCREEN AND GRAVITY INTAKE DAMPER.

**1** **ROOF PLAN**  
1/8" = 1'-0"



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4496 | F: 404.233.7396 | LIC. No. AA 000242  
E: info@hadpna.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Stillmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact : JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

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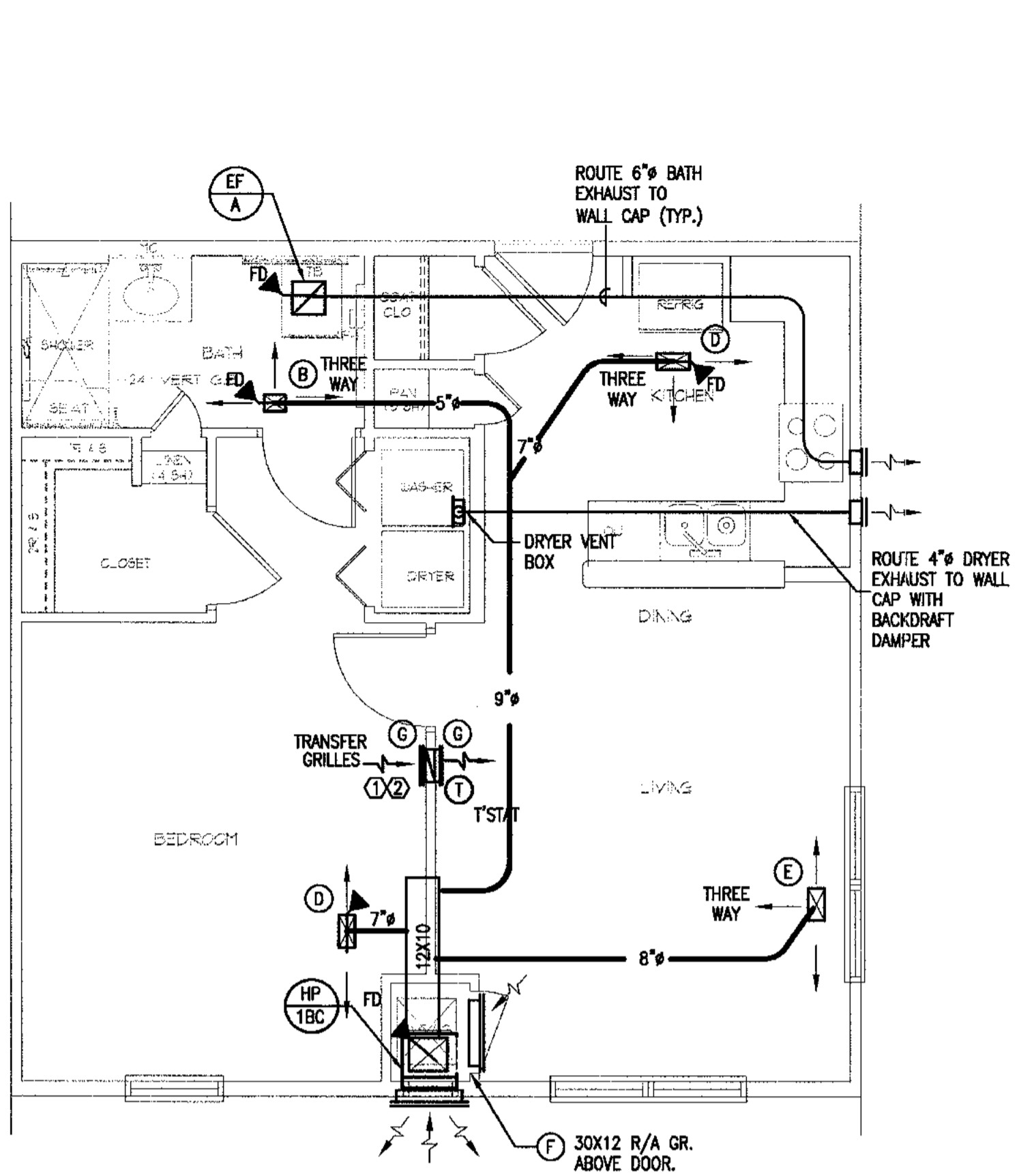
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File Name  
Scale **1/8" = 1'-0"** Date August 1, 2011  
Drawing Title

**ROOF PLAN - HVAC**

Sheet Number **M1.05**

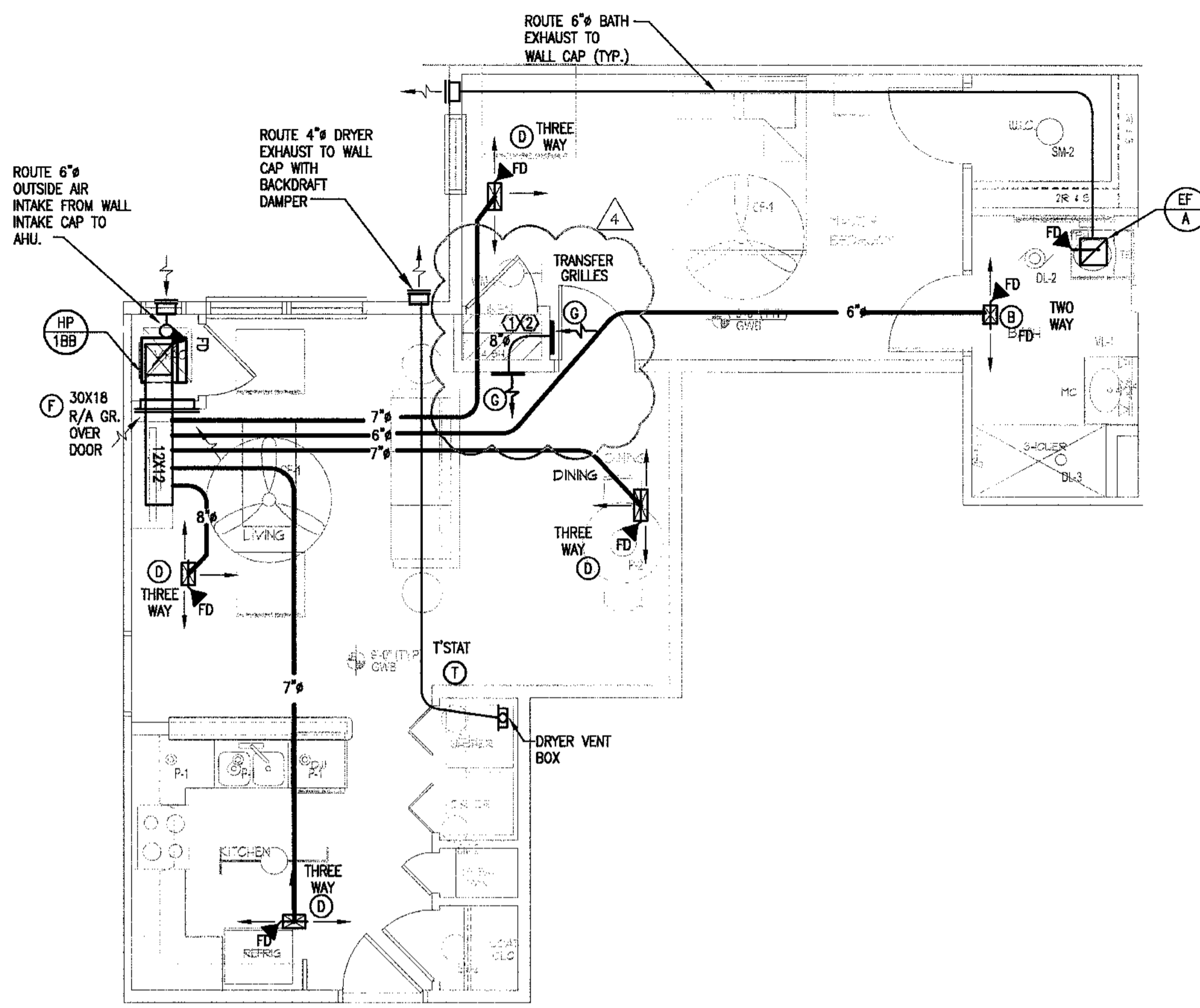
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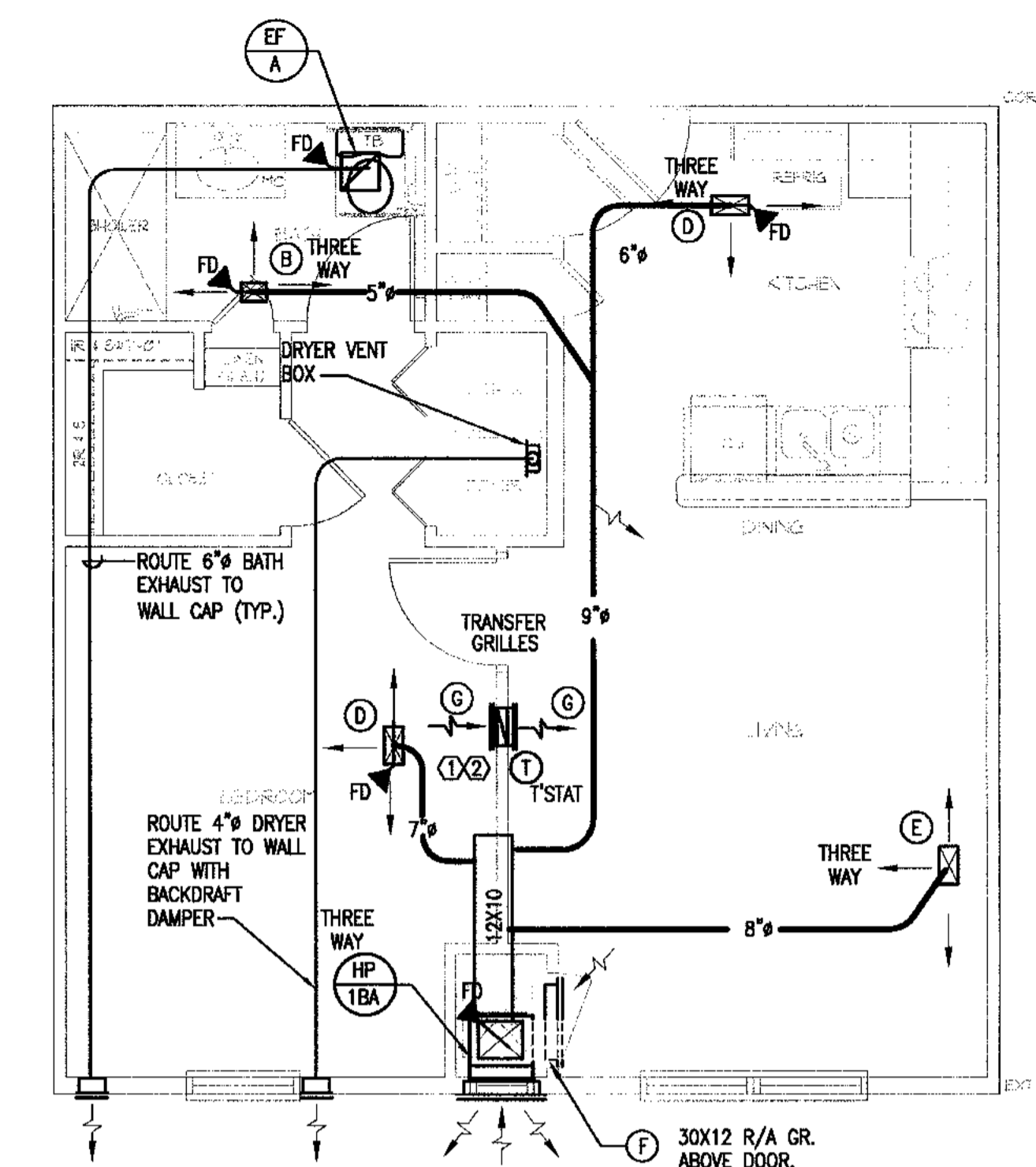
3 UNIT 1BR-C FLOOR PLAN - 614 SF - HVAC

1/4" = 1'-0"



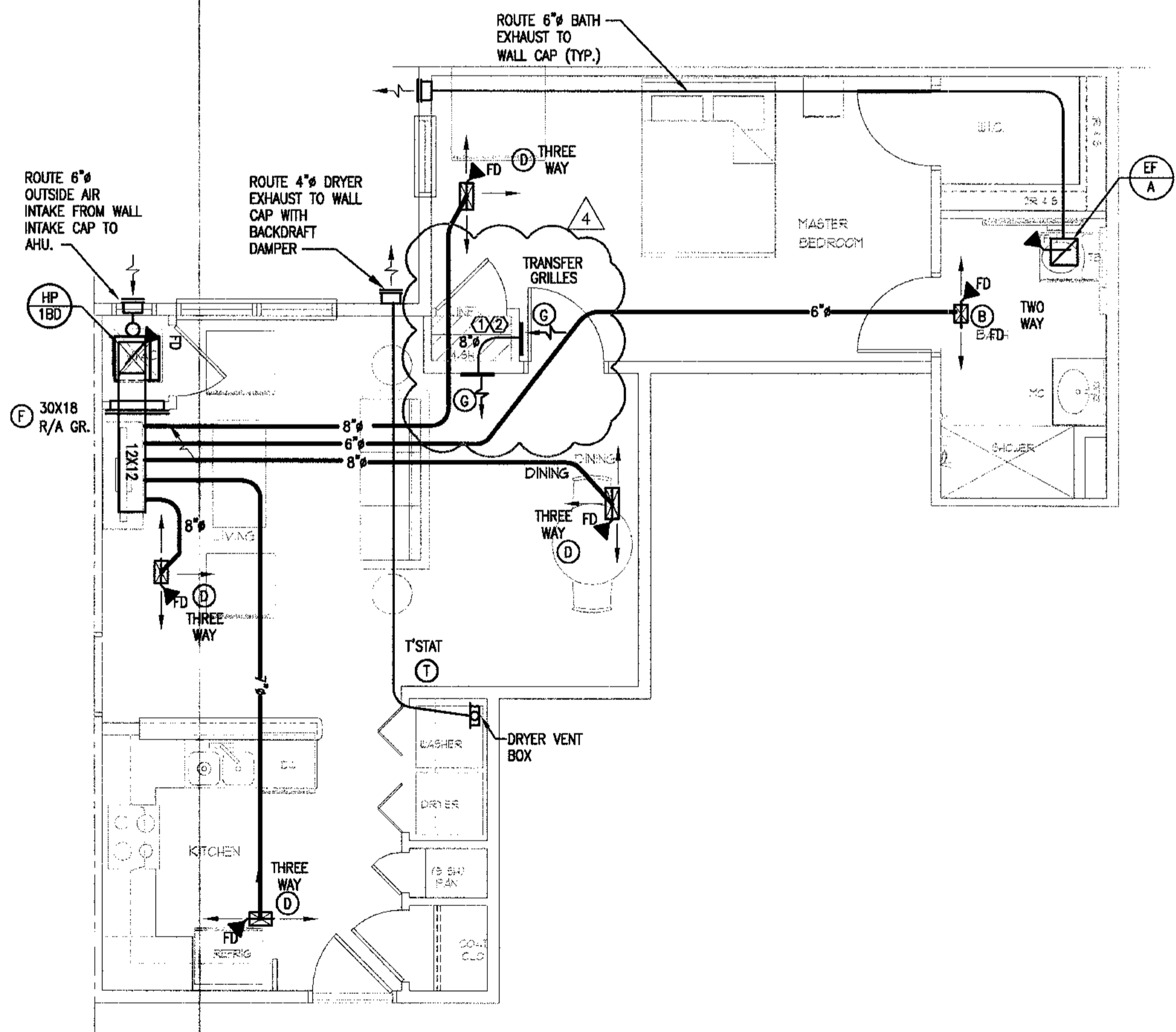
2 UNIT 1BR-B FLOOR PLAN - 666 SF - HVAC

1/4" = 1'-0"



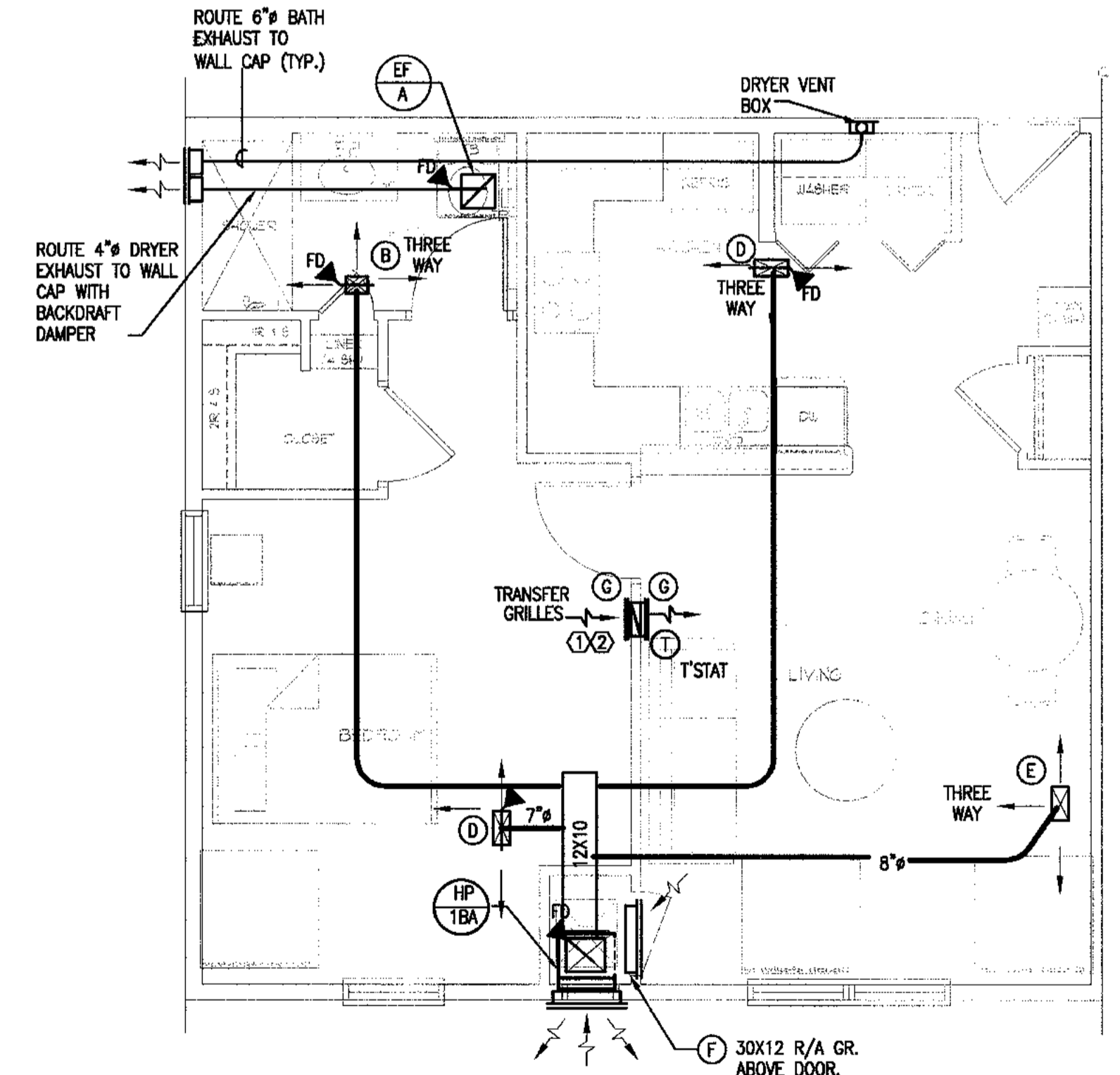
1 UNIT 1BR-A FLOOR PLAN - 589 SF - HVAC

1/4" = 1'-0"



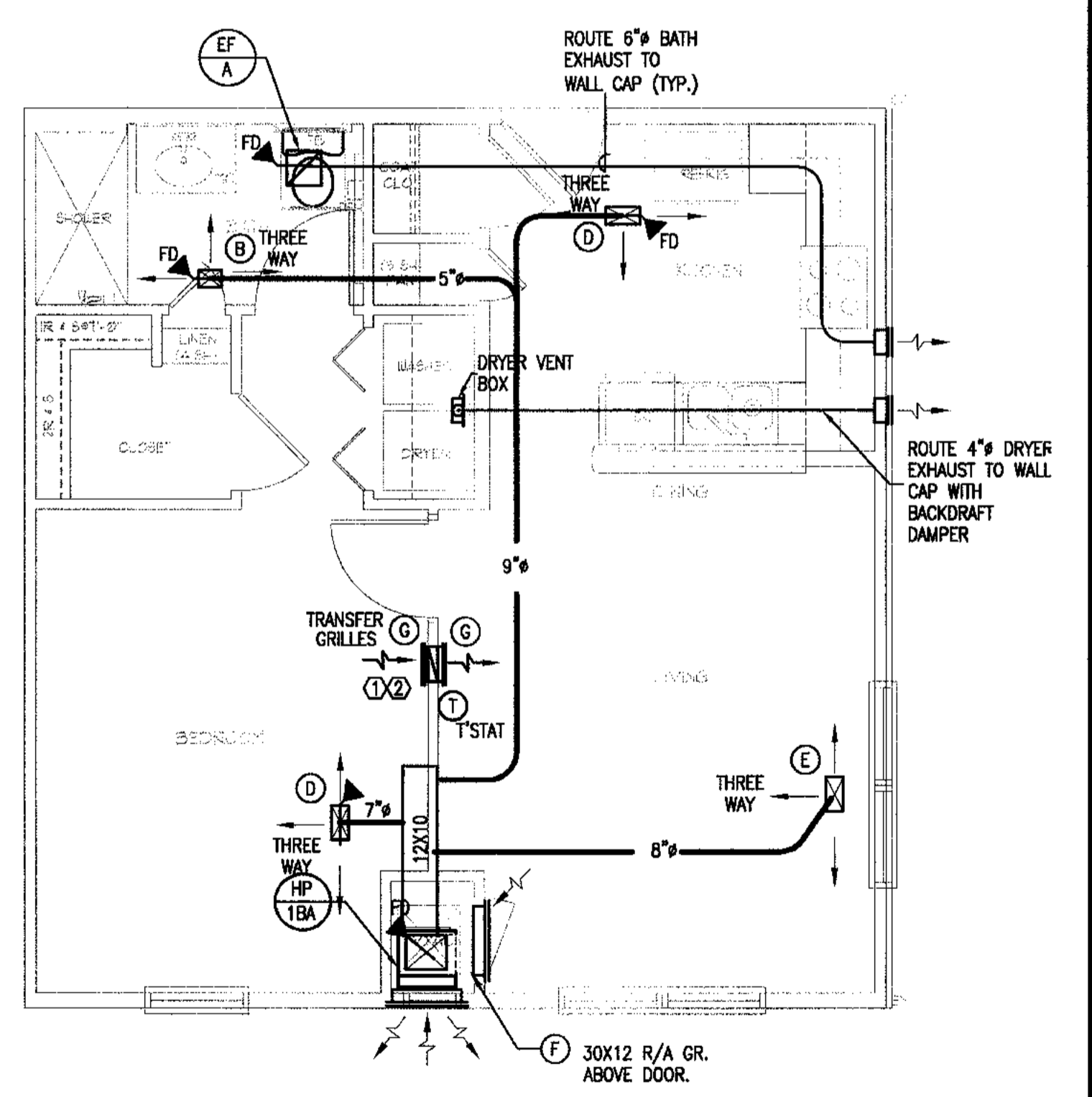
4 UNIT 1BR-D FLOOR PLAN - 666 SF - HC UNIT - HVAC

1/4" = 1'-0"



5 UNIT 1BR-E FLOOR PLAN - 614 SF - HC UNIT - HVAC

1/4" = 1'-0"



3 UNIT 1BR-F FLOOR PLAN - 589 SF - HVAC

1/4" = 1'-0"

**KEYNOTES: (THIS DRAWING ONLY.)**  
 ① 12X8 TRANSFER/RA GRILLE  
 ② SEE ACOUSTICAL TRANSFER GRILL IN WALL, DETAIL 5, SHEET MO.02

CONTRACTOR SHALL OFFER ALTERNATE BID PRICE FOR THE FOLLOWING:  
 1. ADD - KITCHEN RANGE HOODS VENTED TO EXTERIOR WALL WITH WALL CAP.

**GEORGIA REGISTERED ENGINEER**  
 No. 17748  
**WILLIAM SHEFFIELD**  
 ALLEN WILSON II L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030  
 ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7398 | LIC. No. AA 0002442  
 E: info@hadp.com | www.HADPArchitecture.com  
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 Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY  
 Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN  
 Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
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Project No. **AH00132.00**

File Name  
 Scale 1/8" = 1'-0" Date August 1, 2011  
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**UNIT 1BR-A PLANS**  
 Sheet Number  
**M4.01**

Professional of Record: **Stewart Allen**  
 Professional Registration No: GA 3051  
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ALLEN WILSON II P.E.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



2722 Piedmont Rd NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7366 | LIC. No. AA 0002442  
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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
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Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

KEY PLAN		
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/24/11
1	Addendum#1	2/10/11

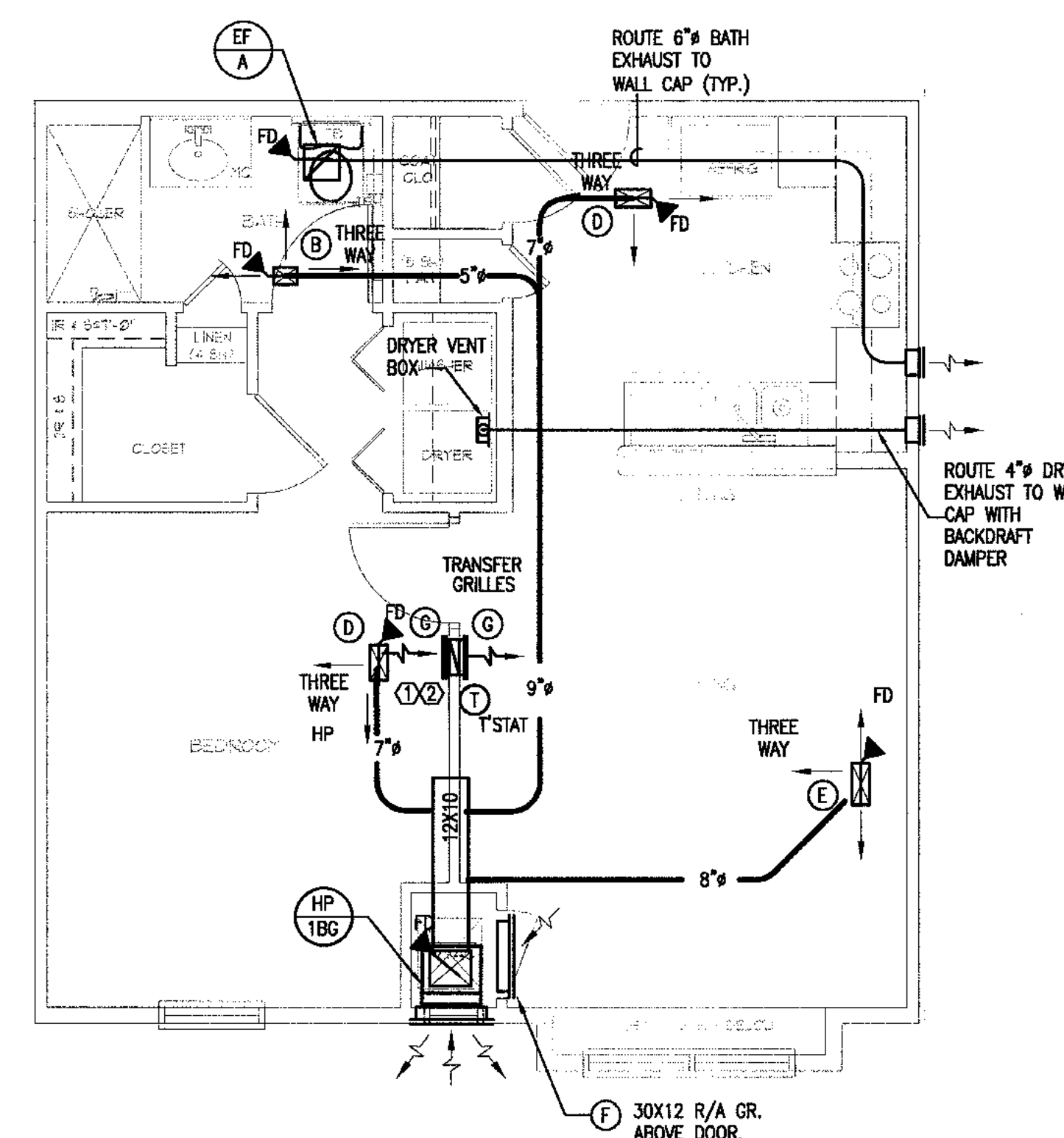
Project No. **AH06132.00**  
File Name  
Scale **1/8" = 1'-0"** Date August 1, 2011  
Drawing Title

UNIT 1BR-B  
PLANS

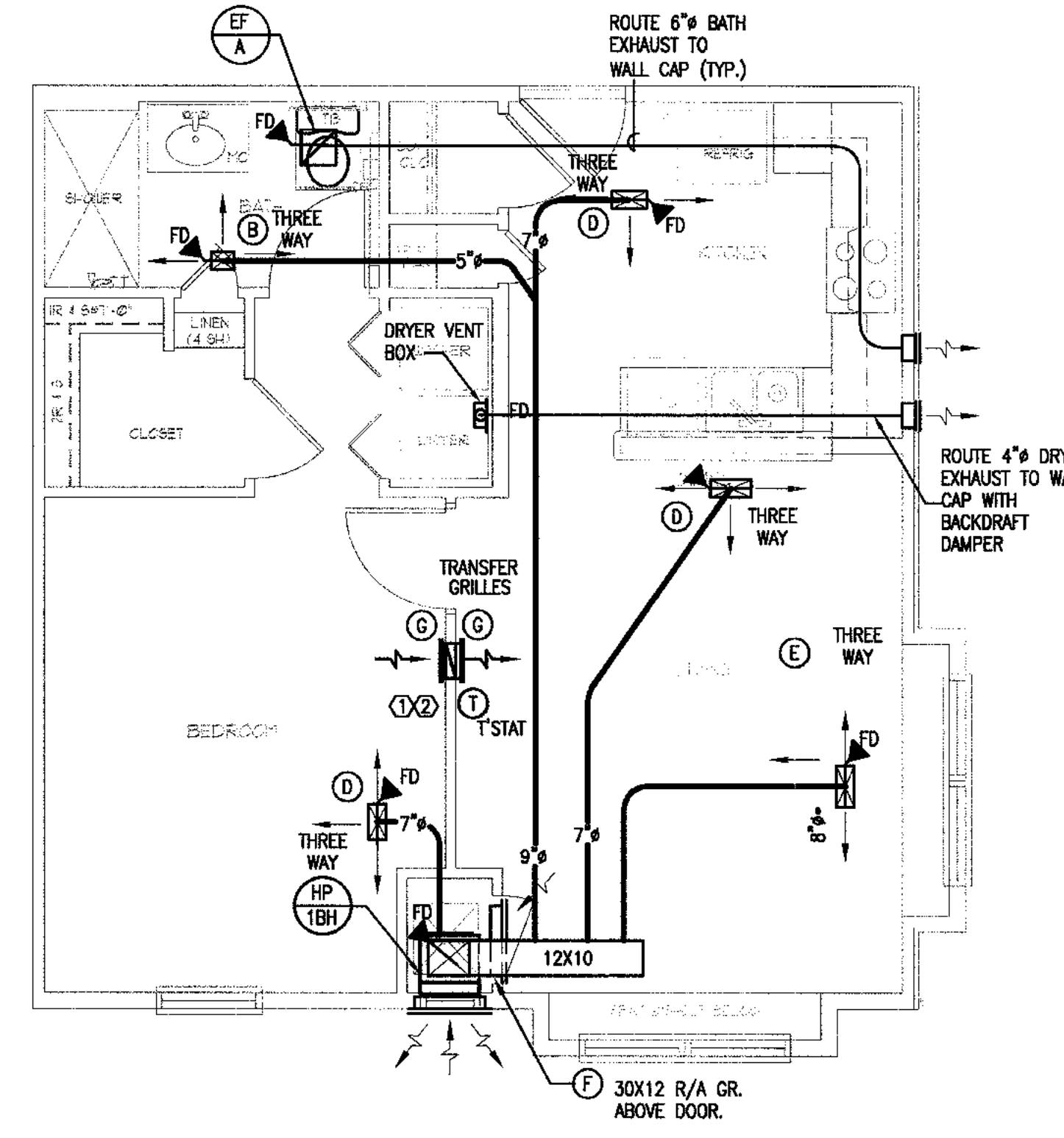
Sheet Number  
**M4.02**

Professional of Record: **Stewart Allen**  
Professional Registration No: GA 3051

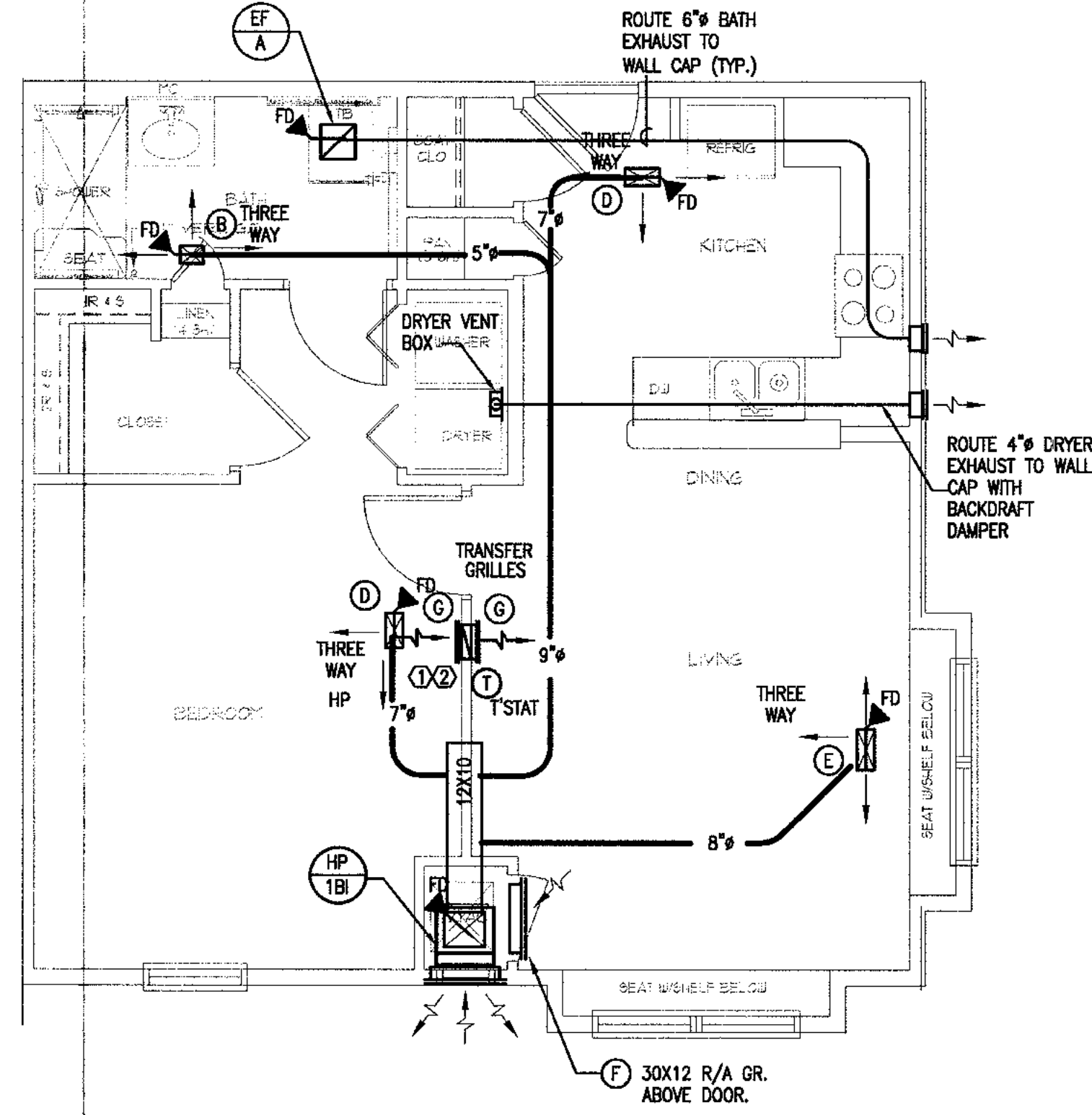
This drawing contains information to be used exclusively for the production of Contract Documents for the Project. The Contract Documents of record are only those in paper, when or after produced by HADP Architecture, Inc. and they bear our professional seal and our signature.



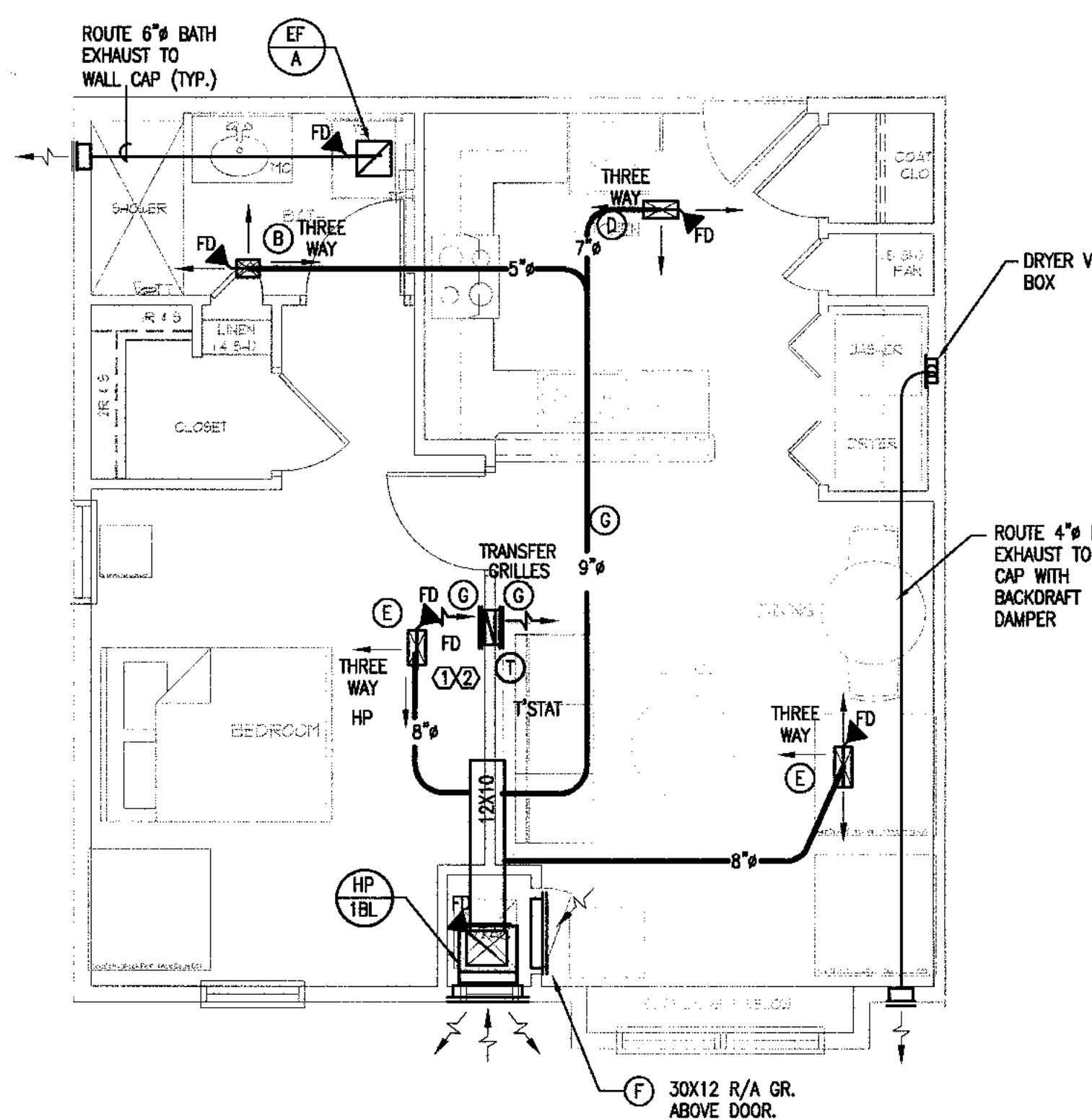
1 UNIT 1BR-G FLOOR PLAN - 599 SF - HVAC  
1/4" = 1'-0"



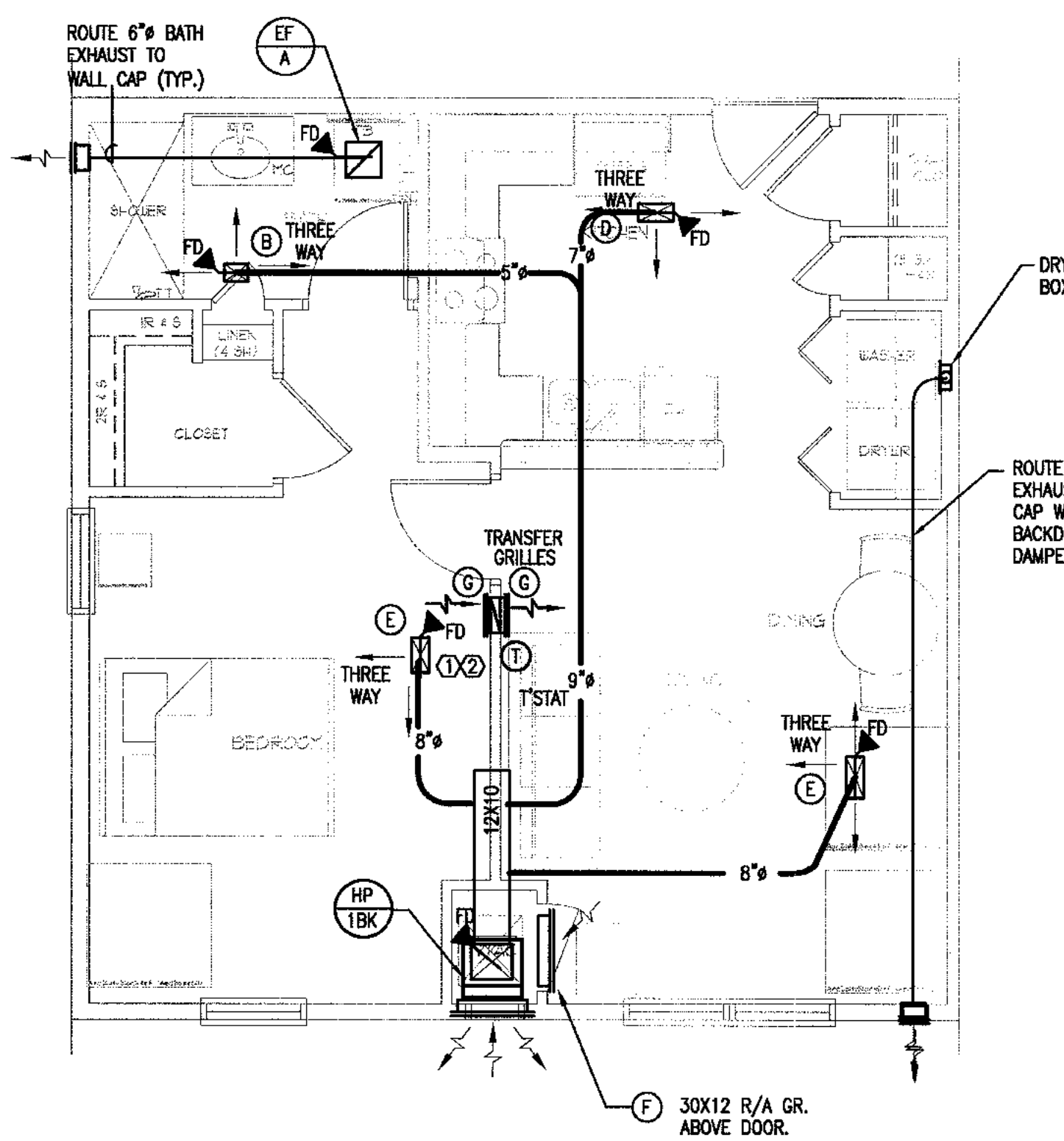
2 UNIT 1BR-H FLOOR PLAN - 610 SF - HVAC  
1/4" = 1'-0"



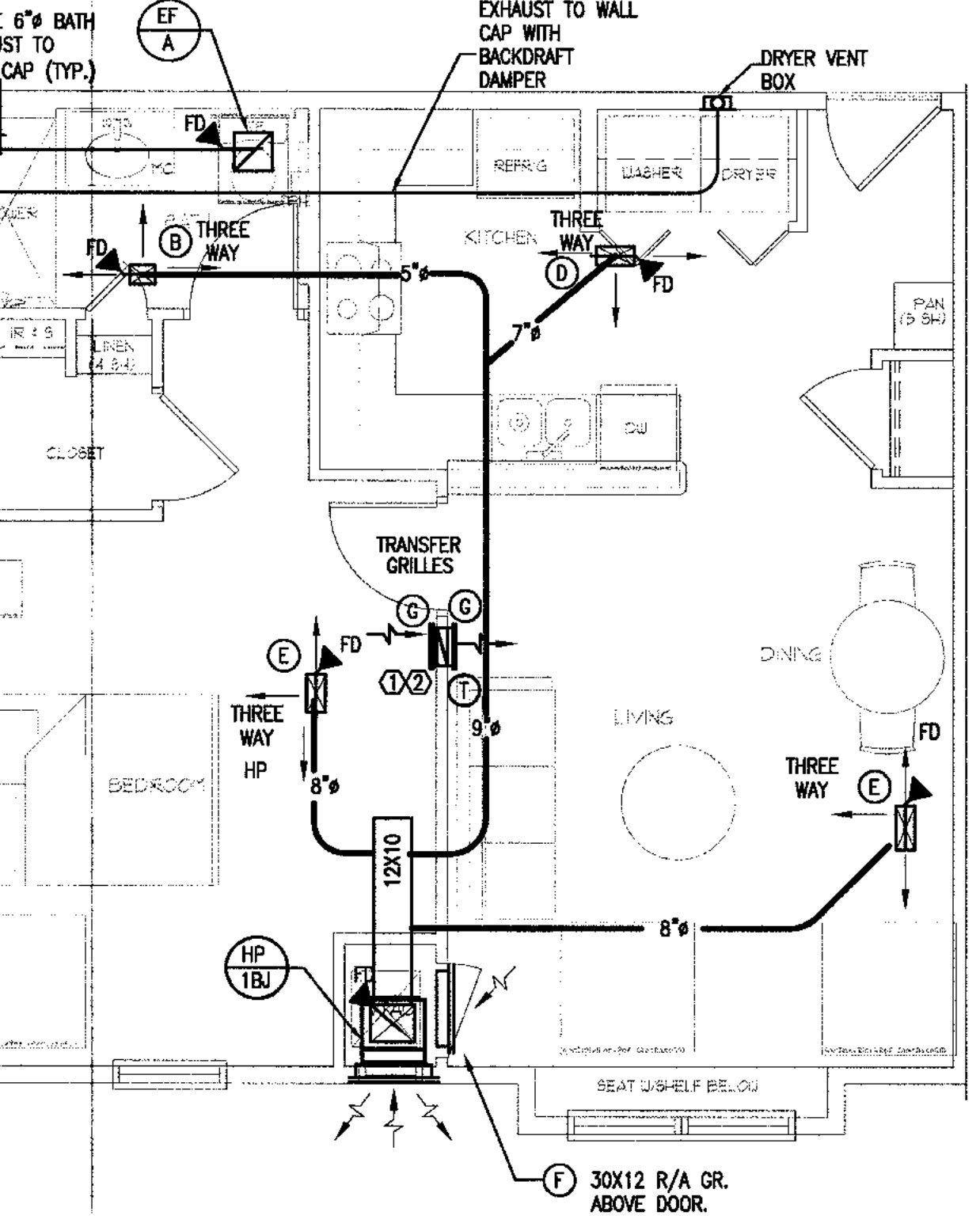
3 UNIT 1BR-I FLOOR PLAN - 634 SF - HC UNIT - HVAC  
1/4" = 1'-0"



6 UNIT 1BR-L FLOOR PLAN - 599 - HVAC  
1/4" = 1'-0"



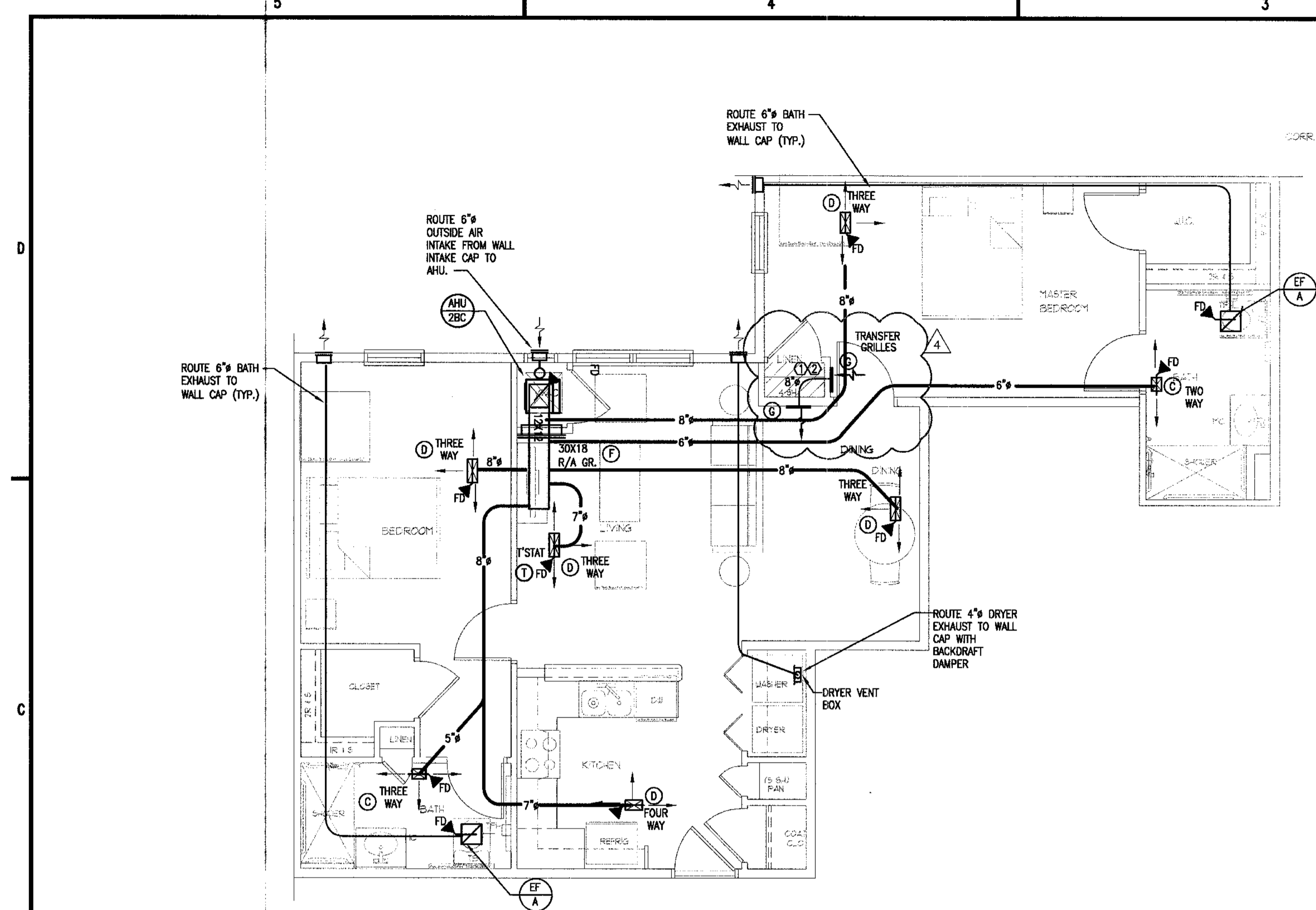
5 UNIT 1BR-K FLOOR PLAN - 589 SF - HVAC  
1/4" = 1'-0"



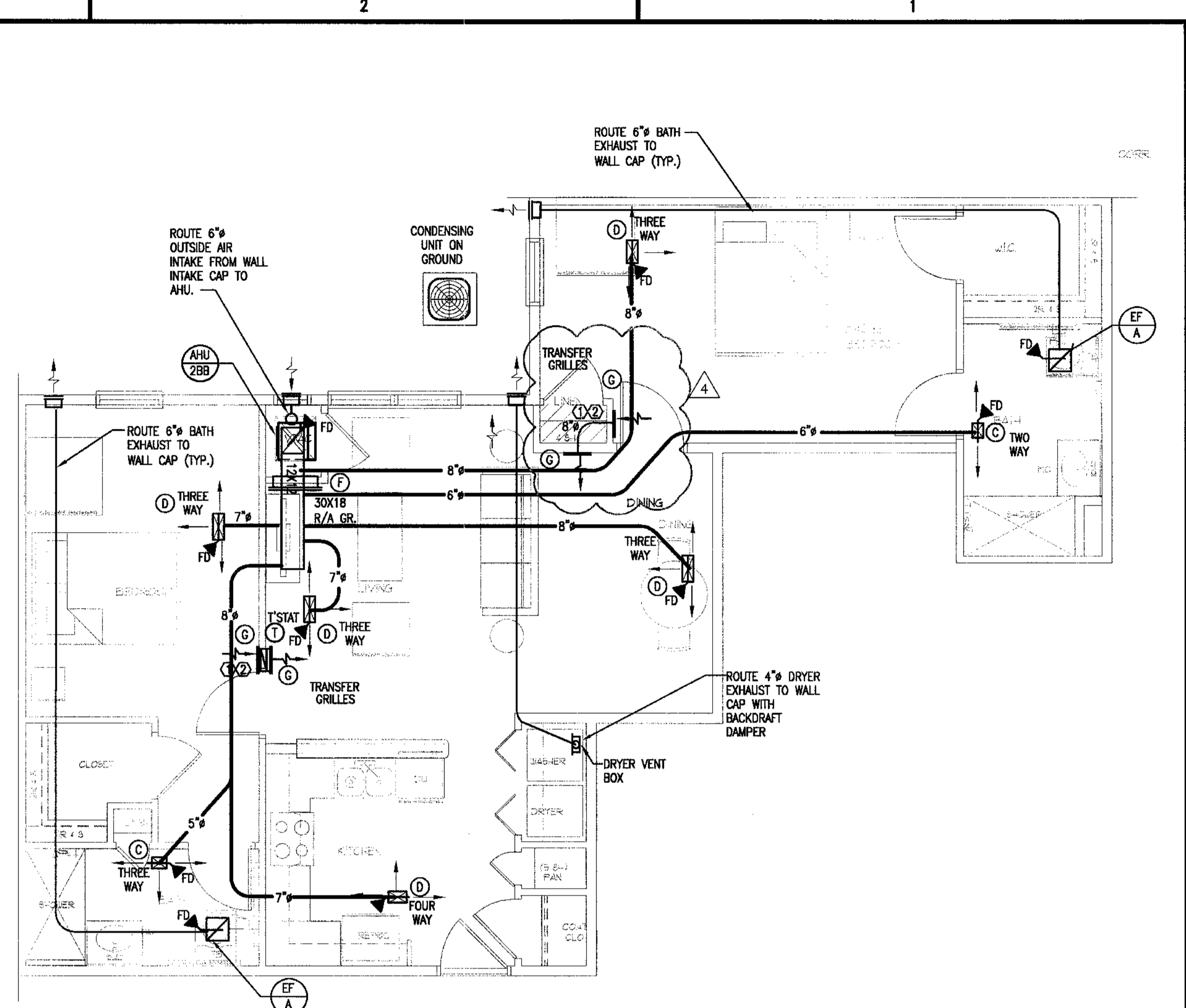
4 UNIT 1BR-J FLOOR PLAN - 599 - HVAC  
1/4" = 1'-0"

KEYNOTES: (THIS DRAWING ONLY.)  
① 12X8 TRANSFER/RA GRILLE  
② SEE ACOUSTICAL TRANSFER GRILL IN WALL, DETAIL 2, SHEET M0.02

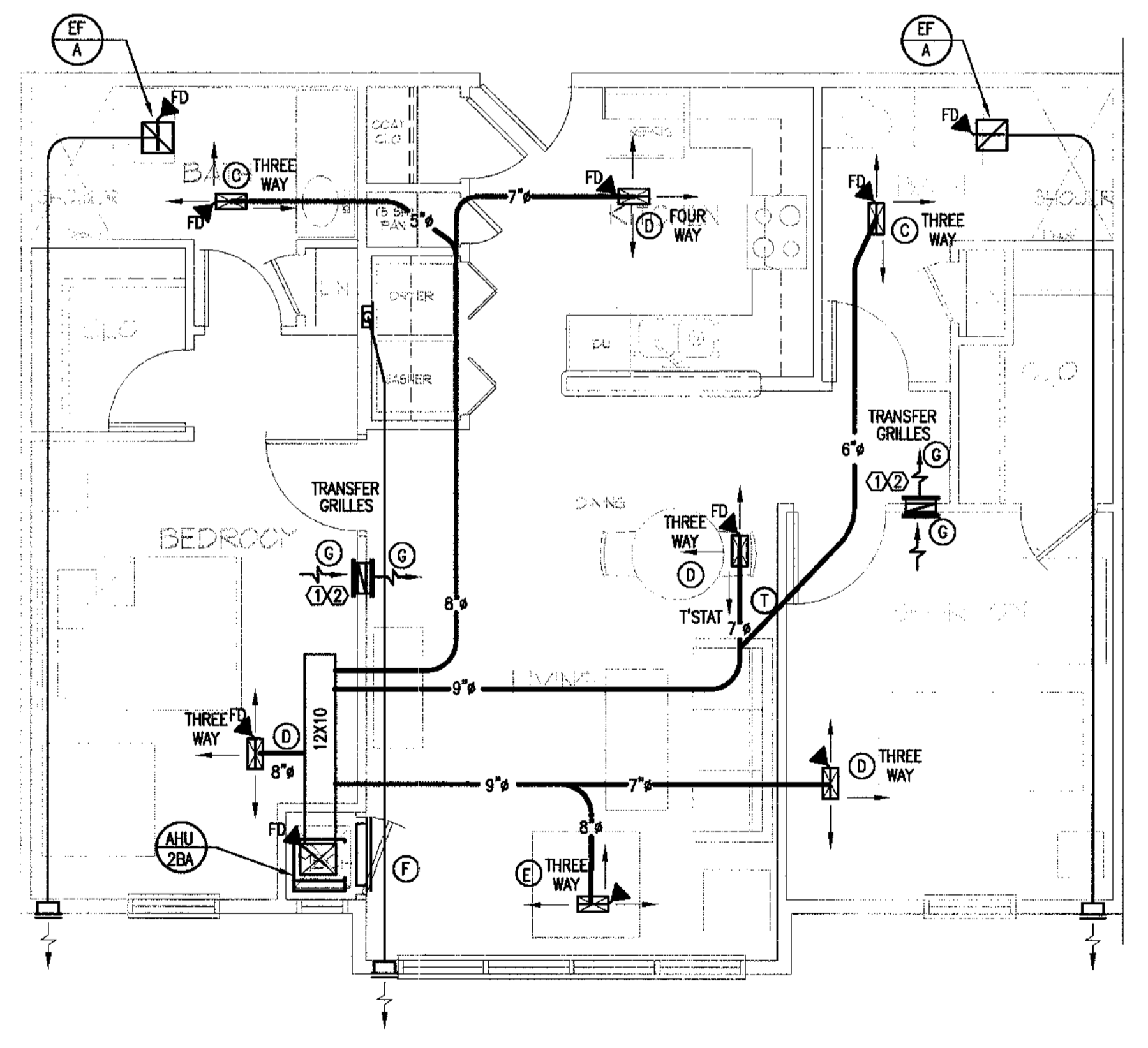
CONTRACTOR SHALL OFFER ALTERNATE BID PRICE FOR THE FOLLOWING:  
1. ADD - KITCHEN RANGE HOODS VENTED TO EXTERIOR WALL WITH WALL CAP.



3 UNIT 2BR-C FLOOR PLAN - 925 SF - HC UNIT, SIM TO 2BR-B  
1/4" = 1'-0"



2 UNIT 2BR-B FLOOR PLAN - 925 SF  
1/4" = 1'-0"



1 UNIT 2BR-A FLOOR PLAN - 922 SF  
1/4" = 1'-0"

**KEYNOTES: (THIS DRAWING ONLY)**  
 ① 12X8 TRANSFER/RA GRILLE  
 ② SEE ACOUSTICAL TRANSFER GRILL IN WALL, DETAIL 2, SHEET MO.02

CONTRACTOR SHALL OFFER ALTERNATE BID PRICE FOR THE FOLLOWING:  
 1. ADD - KITCHEN RANGE HOODS VENTED TO EXTERIOR WALL WITH WALL CAP.

**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
 DONALD SHEPHERD  
 ALLEN WILSON II L.P.  
 750 Commerce Drive  
 Decatur, Georgia 30030  
 ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
 2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 000342  
 E: info@hadp.com | www.HADPArchitecture.com  
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 Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 501  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY  
 Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD. SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN  
 Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackelford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH

KEY PLAN		
Revision	Description	Date
4	Addendum# & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No. **#109132.00**  
 File Name  
 Scale 1/8" = 1'-0" Date August 1, 2011  
 Drawing Title  
**UNIT 2BR PLANS**  
 Sheet Number  
**M4.03**  
 Professional of Record: **Stewart Allen**  
 Professional Registration No: GA 3051  
 Site:  
 This drawing contains information to be used exclusively for the production of Contract Documents by this Project. The Contract Documents of record are only those in paper, when or after produced by HADP Architecture, Inc. and they bear our professional seal and our signature.

## FIRE PROTECTION NOTES

1. THE FIRE PROTECTION SYSTEM(S) FOR THE APARTMENT UNITS SHALL MEET ALL REQUIREMENTS FOR AN N.F.P.A. #13 OR #13-R SPRINKLER SYSTEM AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
2. ALL FIRE PROTECTION WORK SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA STANDARDS AND SHALL MEET THE APPROVAL OF THE OWNER'S INSURANCE UNDERWRITER, IRI, AND LOCAL AUTHORITIES HAVING JURISDICTION.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY FIRE PROTECTION EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: SPRINKLER DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER OR EQUIVALENT CONTRACTOR'S FIRE SPRINKLER CERTIFICATE SEAL AND APPROVAL STAMP OF LOCAL CODE AUTHORITY; SPRINKLER PIPING, SPRINKLER HEADS, AND ACCESSORIES. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER'S INSURANCE UNDERWRITER PRIOR TO BEING SUBMITTED TO THE ENGINEER.
4. CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE BY THE OWNER.
7. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS. PIPE HANGERS SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13R.
8. ALL SPRINKLER SYSTEMS SHALL BE DESIGNED TO THE AVAILABLE CITY WATER SUPPLY. CONTRACTOR SHALL HAVE A CURRENT FLOW TEST PERFORMED PRIOR TO DESIGN.
9. ALL SPRINKLER SYSTEM RISERS SHALL INCLUDE AN ALARM-CHECK VALVE, WATER MOTOR GONG, FLOW SWITCH, ETC.
10. HYDRAULIC CALCULATIONS SHALL INCLUDE AN ALLOWANCE FOR INSIDE AND OUTSIDE HOSE STREAMS.
11. ALL MAJOR VALVES SHALL HAVE U.L. LISTED SUPERVISORY SWITCHES COMPATIBLE WITH THE OWNER'S CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES SHALL BE BY OTHERS.
12. GROOVED (VICTAULIC) COUPLINGS SHALL NOT BE USED OVER OR NEAR ELECTRICAL SWITCHGEAR, PANELS, TRANSFORMERS, ETC.
13. SPRINKLER PIPING IN ATTICS SHALL BE LOCATED ON HEATED SIDE OF INSULATION AND SHALL BE INSULATED AS COLD WATER PIPING.
14. ALL WET-PIPE FIRE PROTECTION PIPING INSTALLED IN AREAS SUBJECT TO FREEZING SHALL BE HEAT TRACED AND INSULATED IN COMPLIANCE WITH NFPA 13.8.16.4.1.3 REQUIREMENTS.
15. ALL SPRINKLER PIPING SHALL BE ROUTED TO MAINTAIN MINIMUM CLEAR HEIGHTS INDICATED ON ARCHITECTURAL DRAWINGS.
16. CONTRACTOR SHALL PROVIDE THE OWNER A MINIMUM OF 3 SPARE SPRINKLER HEADS OF EACH TYPE, TEMPERATURE RATING AND GRIFFICE SIZE USED IN THE SYSTEM. CONTRACTOR SHALL ALSO PROVIDE SPARE SPRINKLER HEAD STORAGE BOX AND THE APPROPRIATE WRENCHES FOR THE REMOVAL AND INSTALLATION OF EACH TYPE OF SPRINKLER HEAD.

## PLUMBING DRAWING INDEX

SHEET NO.	TITLE	SCALE
P0.01	LEGENDS & NOTES	NO SCALE
P0.02	SCHEDULES	NO SCALE
P0.03	PLUMBING DETAILS	NO SCALE
P0.04	ADD ALTERNATE GEOTHERMAL WATER HEATING	NO SCALE
P0.05	PLUMBING RISER DIAGRAMS	NO SCALE
P1.01	FLOOR PLAN - FIRST FLOOR SANITARY	1/8"
P1.01A	FLOOR PLAN - FIRST FLOOR WATER	1/8"
P1.02	FLOOR PLAN - SECOND FLOOR	1/8"
P1.03	FLOOR PLAN - THIRD FLOOR SANITARY	1/8"
P1.03A	FLOOR PLAN - THIRD FLOOR WATER	1/8"
P1.04	FLOOR PLAN - FOURTH FLOOR	1/8"
P4.01	UNIT 1BR-A PLANS	1/4"
P4.02	UNIT 1BR-B PLANS	1/4"
P4.03	UNIT 1BR-C PLANS	1/4"
P4.04	UNIT 1BR-K PLANS	1/4"
P4.05	UNIT 2BR-A PLANS	1/4"
P4.06	UNIT 2BR-B PLANS	1/4"
P4.10	UNIT PLANS	1/4"
P4.11	UNIT PLANS	1/4"

## PLUMBING FIXTURE SPECIFICATIONS

- WC-1H WATER CLOSET - FLOOR MOUNTED - TANK - HANDICAPPED - SEAT W/COVER; MANSFIELD MAVERICK 114-112, 1.28 OFF WATER SAVER, 2" FULLY GLAZED TRAPWAY, BEMIS 1900 HEAVY DUTY SOLID PLASTIC ELONGATED SEAT, CLOSED FRONT WITH COVER. PROVIDE CHROME PLATED WALL NIPPLE AND ESCUTCHEON, MCGUIRE 2166 CHROME PLATED ANGLE STOP WITH HAND WHEEL AND 3/8" O.D. X 12" LONG CHROME PLATED FLEXIBLE COPPER SUPPLY RISER.
- L-1H LAVATORY HANDICAPPED - COUNTERTOP - SINGLE LEVER - POP-UP DRAIN; CRANE ACCESS PRO MODEL 1550V SELF-RIMMING 20" X 17" ENAMELED STEEL LAVATORY PUNCHED ON 4" CENTERS, DELTA 541-DST SINGLE LEVER WATER SENSE LABELED FAUCET WITH 1.5 GPM AERATOR, POP-UP DRAIN. PROVIDE CHROME PLATED WALL NIPPLES AND ESCUTCHEONS, MCGUIRE 2165 CHROME PLATED ANGLE STOPS WITH HANDWHEELS AND 3/8" O.D. X 12" LONG CHROME PLATED FLEXIBLE COPPER SUPPLY RISERS, MCGUIRE 8872 P-TRAP, 1-1/4" X 1-1/4" WITH CAST BRASS NUTS AND CLEANOUT PLUG, AND MCGUIRE PW2125 INSULATION KIT.
- L-2H LAVATORY - HANDICAPPED - WALL HUNG - SINGLE LEVER - POP-UP DRAIN; PEERLESS POTTERY "LINCOLN" 65 20" X 18" VITREOUS CHINA WALL HUNG LAVATORY WITH WALL HANGER AND FRONT OVERFLOW, PUNCHED ON 4" CENTERS, DELTA 541-DST SINGLE LEVER WATER SENSE LABELED FAUCET WITH 1.5 GPM AERATOR, POP-UP DRAIN. PROVIDE CHROME PLATED WALL NIPPLES AND ESCUTCHEONS, MCGUIRE 2165 CHROME PLATED ANGLE STOPS WITH HANDWHEELS AND 3/8" O.D. X 12" LONG CHROME PLATED FLEXIBLE COPPER SUPPLY RISERS, MCGUIRE 8872 P-TRAP, 1-1/4" X 1-1/4" WITH CAST BRASS NUTS AND CLEANOUT PLUG, AND MCGUIRE PW2125 INSULATION KIT.
- KS-1 KITCHEN SINK - TWO COMPARTMENT WITH DISPOSER; DAYTON D-2322 TWO COMPARTMENT, 20 GAUGE STAINLESS STEEL SELF-RIMMING SINK 33" X 22" X 6-1/2" DEEP, DELTA 400-HDF-DST SINGLE LEVER KITCHEN SINK FAUCET WITH HOSE AND SPRAY AND LOW FLOW AERATOR, PROVIDE CHROME PLATED WALL NIPPLES AND ESCUTCHEONS, MCGUIRE 2165 CHROME PLATED ANGLE STOPS WITH HANDWHEELS AND 3/8" O.D. X 12" LONG CHROME PLATED FLEXIBLE COPPER SUPPLY RISERS, MCGUIRE 151A STAINLESS STEEL BASKET STRAINER WITH 1-1/2" O.D. X 4" LONG TAILPIECE, AND MCGUIRE 8912 1-1/2" X 2" P-TRAP WITH CLEANOUT PLUG.
- SH-1H ROLL-IN SHOWER - HANDICAPPED (60"x30"x72") HAMILTON BATHWARE MODEL G-6334 IBS WITH SEAT, O.D.-63"x33"x72" WHITE BASE WITH SLIP RESISTANT BOTTOM, MOEN K3422P15 1.5 GPM SHOWER FAUCET WITH ROUGH VALVE BODY, INS288 DIVERTER VALVE, SLIDE BAR HAND SHOWER, AND CHROME PLATED ATMOSPHERIC VACUUM BREAKER, DRAIN STRAINER, BACK AND END WALL GRAB BARS.
- WB-1 OFFSET DRAIN WASHING MACHINE BOX; OATEY 38894 SINGLE LEVER VALVE, BOX WITH FACE PLATE AND TAILPIECE.
- IM-1 ICE MAKER SUPPLY; OATEY 38681 ICE MAKER BOX WITH ADJUSTABLE FACE PLATE.
- NFWH NON-FREEZE WALL HYDRANT - EXPOSED; WOODFORD MODEL 17 NON-FREEZE 3/4" WALL FAUCET WITH INTEGRAL VACUUM BREAKER, SIZED IN ACCORDANCE WITH WALL THICKNESS.
- EW-1 ELECTRIC WATER COOLER - WALL MOUNT; OASIS PB4C GARBER-FREE WATER COOLER, MCGUIRE 165 CHROME PLATED ANGLE SUPPLY WITH HANDWHEEL AND WALL ESCUTCHEON, 3/8" O.D. X 12" LONG CHROME PLATED FLEXIBLE RISER, AND MCGUIRE 8872 P-TRAP 1-1/4" X 1-1/4" WITH CAST BRASS NUTS AND CLEANOUT PLUG.

## DRAINAGE PRODUCTS/SPECIALTIES

- CO-EXPOSED CLEANOUT - UNFINISHED AREAS:  
JAY R. SMITH FIG. 4420 CAST BRONZE COUNTERSUNK PLUG WITH SLOT TO RECEIVE 1/2" THICK STEEL BAR STOCK.
- WC-WALL CLEANOUT - FINISHED AREAS:  
JAY R. SMITH FIG. 4438 CAST IRON FERRULE FOR NO HUB OR SERVICE WEIGHT PIPE, NICKEL BRONZE ROUND FRAME AND COVER WITH SECURING SCREWS.
- FCO-CONCRETE FLOORS:  
JAY R. SMITH FIG. 4220 CAST IRON CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND CAST IRON TOP WITH SECURING SCREW, AND SPEEDI-SET OUTLET CONNECTION.
- FCO-TILE FLOORS:  
JAY R. SMITH FIG. 4151 CAST IRON CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND NICKEL BRONZE TOP RECESSED FOR TILE WITH SECURING SCREW, AND SPEEDI-SET OUTLET CONNECTION.
- FCO-CARPETED FLOORS:  
JAY R. SMITH FIG. 4020-Y CAST IRON CLEANOUT WITH GASKET SEAL THREADED PLUG, ADJUSTABLE ROUND NICKEL BRONZE TOP COMPLETE WITH STAINLESS STEEL CARPET MARKER WITH SECURING SCREW, AND SPEEDI-SET OUTLET CONNECTION.
- YCO-EXTERIOR PAVED/CONCRETE AREAS:  
JAY R. SMITH FIG. 4261-U CAST IRON FLANGED HOUSING WITH HEAVY DUTY C.I. COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, AND VANDAL-PROOF SCREWS IN COVER.
- YCO-EXTERIOR UNSURFACED AREAS:  
JAY R. SMITH FIG. 4261-U CAST IRON FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, AND VANDAL-PROOF SCREWS IN COVER. PROVIDE 24" X 12" CONCRETE PAD FLUSH WITH SURFACE.
- FD "G" - FLOOR DRAINS-GENERAL/RESTROOMS:  
JAY R. SMITH FIG. 2005 SERIES CAST IRON FLOOR DRAIN WITH 6" DIAMETER ROUND NICKEL BRONZE STRAINER, SPEEDI-SET OUTLET CONNECTION AND TRAP PRIMER CONNECTION. (OMIT TRAP PRIMER CONNECTION ON SHOWER DRAINS.)
- TP-"A"-AUTOMATIC TRAP PRIMER:  
PPP PRIME-RITE SERIES AUTOMATIC TRAP PRIMER WITH MULTIPLE OUTLET DISTRIBUTION UNITS AS REQUIRED.
- TP-"L"-TRAP PRIMER:  
JAY R. SMITH FIG. 2698 WATER SAVER TRAP PRIMER WITH 1-1/4" INLET AND OUTLET, 17 GAUGE SATIN CHROME-PLATED P-TRAP.
- WATER HAMMER ARRESTORS:  
P.P.P. SC SERIES ALL STAINLESS STEEL WATER HAMMER ARRESTORS. INSTALL IN AN UPRIGHT POSITION AT ALL FLUSH VALVES, WASHING MACHINE SUPPLIES, DISHWASHERS, PRV STATIONS, AND OTHER QUICK CLOSING VALVES, SOLENOIDS AND PLUMBING FIXTURES. LOCATE AND SIZE AS INDICATED ON DRAWINGS. WHERE NOT SHOWN ON DRAWINGS, LOCATE AND SIZE IN ACCORDANCE WITH PDI STANDARD WH-201.
- OI - OIL INTERCEPTOR WITH INTEGRAL STORAGE COMPARTMENT:  
ROCKFORD MODEL OST-5628-65 GALLON INTEGRAL STORAGE COMPARTMENT, ALL-WELDED 1/4" STEEL SEPARATORS, 3" HUBBED INLET AND OUTLET, 3" TAPPED INTERNAL VENT CONNECTION, 2" ADJUSTABLE OIL DRAW-OFF, VISIBLE DOUBLE-WALL OUTSIDE TRAP SEAL, NON-REMOVABLE SEPARATOR SCREEN WITH EASILY REMOVABLE FILTER SCREEN, REMOVABLE 3/8" NONSKID DIAMOND TREADPLATE COVER, REINFORCED FOR HEAVY TRAFFIC, COVER SECURED WITH STAINLESS STEEL FLAT HEAD SCREWS, EXTRA HEAVY LEAKPROOF GASKET, OPEX SHOP COATING (RESISTANT TO OIL, GREASE, AND CUTTING OILS) INSIDE AND BITUMINOUS COATING OUTSIDE, WITH OPTIONAL ANCHOR FLANGE AND SEDIMENT BASKET.

## PLUMBING NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL PLUMBING FIXTURES.
2. ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2009 INTERNATIONAL PLUMBING CODE WITH GEORGIA AMENDMENTS AND ALL APPLICABLE LOCAL CODE AND ORDINANCES.
3. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR BE SUPPORTED FROM CEILING TILES.
4. WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
5. SANITARY AND DRAINAGE PIPING 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM, PIPING 3" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM.
6. TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
7. TRAP PRIMERS ARE TO BE PROVIDED ON ALL FLOOR DRAINS AND HUB DRAINS. TP "L" LAVATORY WASTE TRAP PRIMERS ARE TO BE PROVIDED ON DRAINS IN PUBLIC RESTROOMS, GUEST ROOMS, AND OTHER AREAS WITH DRAINS ADJACENT TO LAVATORIES. TP "A" AUTOMATIC TRAP PRIMERS ARE TO BE PROVIDED IN ALL OTHER REQUIRED LOCATIONS.
8. PLUMBING AND FIRE PROTECTION PIPING IS NOT TO BE INSTALLED IN ELECTRICAL ROOMS, CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PIPING SERVING THAT SPECIFIC ROOM.
9. LOCATE ALL SECTIONAL OR MAIN CONTROL VALVES WITHIN 1'-0" FROM ACCESS PANELS, CEILING TILES, OR OTHER POINT OF ACCESS.
10. ALL COLD WATER, HOT WATER AND DRAIN PIPING AT HANDICAPPED FIXTURES SHALL BE INSULATED WITH HANDI-LAV GUARD MODELS 102 AND 105 INSULATION KITS.
11. PROVIDE SHOCK ABSORBERS SIZED PER PDI SPECIFICATIONS ON ALL DOMESTIC WATER LINES SERVING FLUSH VALVE FIXTURES, WASHING MACHINES SUPPLIES, PRV STATIONS AND OTHER INSTALLATIONS WITH QUICK CLOSING VALVES.
12. ALL SHOWER HEAD ARMS AND VALVES SHALL BE PROVIDED WITH ADDITIONAL BLOCKING AS REQUIRED AND RIGIDLY SECURED TO ADJACENT STRUCTURE.
13. ALL SHOWER HEADS SHALL BE INSTALLED WITH THE CENTER POINT OF THE SHOWER HEAD FACE LOCATED 6'-3" MINIMUM ABOVE THE TUB/SHOWER FINISHED SURFACE.
14. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTORS AT ALL DOMESTIC WATER CONNECTIONS TO MECHANICAL EQUIPMENT, POOL AND IRRIGATION CONNECTIONS, LAUNDRY, AND VENDING EQUIPMENT CONNECTIONS AS REQUIRED BY LOCAL CODE AND AUTHORITIES. BACKFLOW PREVENTORS ARE TO BE LOCATED WITH A MINIMUM OF 1'-0" CLEARANCE AT THE LOWEST POINT AND AT NO MORE THAN 5'-0" ABOVE FLOOR AT THE HIGHEST POINT OF THE DEVICE.
15. PROVIDE MANUFACTURED EXPANSION DEVICE OR FABRICATED EXPANSION LOOP ON ALL PIPING SYSTEMS CROSSING BUILDING EXPANSION JOINTS.
16. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND THE ELECTRICAL CONTRACTOR, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
17. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
18. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE.
19. ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, CP25 CALUK, CS195 COMPOSITE PANEL, FS195 WRAP/SPRINK, TREMO, HILTI, METACALUK, NELSON, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATIONS AND AS APPROVED BY LOCAL CODE OFFICIALS. ALSO, REFER TO DIVISION 7 - THERMAL AND MOISTURE PROTECTION.
20. PROVIDE AN INLINE FILTER ON THE DOMESTIC WATER SUPPLY TO ALL ICE MACHINES, FILTERNE MODEL 4TM.
21. ALL VENT THRU ROOF PENETRATIONS SHALL BE ROUTED TO TERMINATE AT THE LEAST VISIBLE LOCATION FROM THE ENTRY VIEW.

## PLUMBING MATERIALS

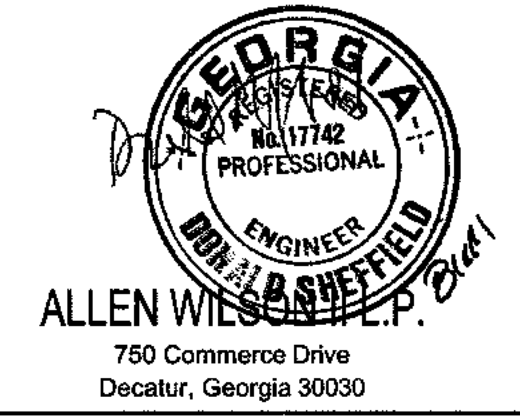
1. COLD AND HOT WATER PIPING ABOVE GRADE SHALL BE TYPE L HARD DRAWN COPPER TUBING CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND CAST OR WROUGHT FITTINGS. ALL JOINTS SHALL BE MADE WITH LEAD FREE SOLDER. DOMESTIC COLD WATER SERVICE PIPING BELOW GRADE SHALL BE CEMENT LINED DUCTILE IRON PIPE WITH PUSH-ON JOINTS. DOMESTIC WATER BRANCH PIPING BELOW GRADE SHALL BE PROTECTED WITH SLEEVES AT ALL PENETRATIONS THROUGH CONCRETE. AT THE OWNERS OPTION, CPVC PIPING MAY BE USED IN LIEU OF COPPER. CPVC PIPING MAY BE IN LIEU OF COPPER PIPING, IF APPROVED BY OWNER.
2. SANITARY WASTE & VENT, AND STORM DRAIN PIPING ABOVE GROUND SHALL BE NO-HUB CAST-IRON WITH STAINLESS STEEL COUPLINGS, OR SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS IF APPROVED BY LOCAL CODE OFFICIAL. PVC PIPING SHALL NOT BE LOCATED IN RETURN AIR PLENUM SPACES. CELLULAR CORE PVC SHALL BE PERMITTED FOR VENT PIPING ONLY.
3. SANITARY WASTE & STORM DRAIN PIPING BELOW GROUND SHALL BE CAST-IRON WITH PUSH-ON JOINTS, OR SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS.
4. ALL ABOVE GRADE HOT AND COLD DOMESTIC WATER, AND RECIRCULATION PIPING SHALL BE INSULATED EXCEPT AT HORIZONTAL CHASE BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES AND ON VERTICAL RISERS WITHIN SEALED CHASES. ALL HOT WATER, HOT WATER RETURN PIPING ABOVE GRADE SHALL BE INSULATED WITH 1 INCH NOMINAL THICKNESS PIPE INSULATION WITH VAPOR BARRIER JACKET, ALL COLD WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH 1/2 INCH THICKNESS INSULATION ON PIPING 2" AND SMALLER, 1" THICK INSULATION ON PIPING 2 1/2" AND LARGER. ALL HORIZONTAL STORM DRAIN PIPING AND ROOF DRAIN BODIES SHALL BE INSULATED. MATERIALS AS MANUFACTURED BY ARMOSTRONG, CERTAINTELD, KNAUF OR EQUAL. PRODUCTS BY OWENS-CORNING ARE NOT ALLOWED. INSULATION SHALL NOT BE REQUIRED ON COLD WATER PIPING IF CPVC PIPING IS USED.

## PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
A/C	A/C	ABOVE CEILING
AD	AD	AREA DRAIN
A/F	A/F	ABOVE FLOOR
AFF	AFF	ABOVE FINISHED FLOOR
AFG	AFG	ABOVE FINISHED GRADE
B/C	B/C	BELOW COUNTER
B/F	B/F	BELOW FLOOR
B/G	B/G	BELOW GRADE
CD	CD	CONDENSATE DRAIN
CV	CV	CHECK VALVE
CW	CW	COLD WATER PIPING
CWV	CWV	COMBINATION WASTE & VENT
DN	DN	PIPING TURNING DOWN
ERD	ERD	EMERGENCY ROOF DRAIN
ERL	ERL	EMERGENCY RAIN LEADER
FOO	FOO	FLOOR CLEANOUT
FD	FD	FLOOR DRAIN
FS	FS	FLOOR SINK
G	G	GAS PIPING - LOW PRESSURE
GW	GW	GREASE WATER PIPING
MG	MG	GAS PIPING - MEDIUM PRESSURE
GV	GV	GATE/BALL VALVE
HB/NFHB	HB/NFHB	HOSE BIBBE/NON-FREEZE HOSE BIBB
H.C.	H.C.	HANDICAPPED
HD	HD	HUB DRAIN
HT	HT	HEAT TRACED PIPING
HW	HW	HOT WATER PIPING
HWR	HWR	HOT WATER RETURN PIPING
O/H	O/H	OVER HEAD
POC	POC	POINT OF CONNECTION NEW TO EXISTING
PD	PD	PUMPED DISCHARGE
P-TRAP	P-TRAP	P-TRAP
PRV	PRV	PRESSURE REDUCING VALVE
RD	RD	ROOF DRAIN
RPBP	RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR
S/W	S/W	SOIL, WASTE PIPING (ABOVE GROUND)
S/W	S/W	SOIL, WASTE PIPING (BELOW GROUND)
SA	SA	SHOCK ABSORBER
ST	ST	STORM DRAINAGE PIPING
TP	TP	TRAP PRIMER
UNION	UNION	UNION
UP	UP	PIPING TURNING UP
V	V	VENT PIPING
VTR	VTR	VENT THRU ROOF
WCO	WCO	WALL CLEANOUT
WH/NFWH	WH/NFWH	WALL HYDRANT/NON-FREEZE WALL HYDRANT
YCO	YCO	YARD CLEANOUT

## FIRE PROTECTION LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
ESFR	ESFR	EARLY SUPPRESSION FAST RESPONSE
F	F	FIRE PROTECTION SUPPLY
FCV	FCV	FLOOR CONTROL VALVE
FSP	FSP	FIRE STANDPIPE
FVC	FVC	FIRE VALVE CABINET
FDV	FDV	FIRE DEPARTMENT VALVE
FSW	FSW	FLOW SWITCH
RCV	RCV	RISER CONTROL VALVE
SP	SP	SPRINKLER PIPING
TSW	TSW	TAMPER SWITCH
ECSS	ECSS	EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD
PS	PS	PENDENT MOUNTED SPRINKLER HEAD
SFDC	SFDC	SAMESE FIRE DEPARTMENT CONNECTION
ACV	ACV	VALVE/RISER, ALARM CHECK



ALLEN WILSON  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
E: info@hadp.com | www.hadp.com

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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250, SHILON RD. SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

## KEY PLAN

NO.	DESCRIPTION	DATE
4	Addendum#4 & Coordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/22/11
1	Addendum#1	2/10/11

Project No. AH08132.00

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## LEGENDS & NOTES

Sheet Number  
**P0.01**

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PLUMBING FIXTURE & CONNECTION SCHEDULE					
FIXTURE #	DESCRIPTION	WASTE CONNECTION	HOT WATER SUPPLY	COLD WATER SUPPLY	NOTES
WC-1H	WATER CLOSET - HANDICAPPED ACCESSIBLE	3"	---	1/2"	1,2
L-1H	COUNTERTOP LAVATORY HANDICAPPED ACCESSIBLE	1 1/4"	1/2"	1/2"	1
L-2H	WALL HUNG LAVATORY HANDICAPPED ACCESSIBLE	1 1/4"	1/2"	1/2"	1
KS-1	KITCHEN SINK - NO DISPOSAL - SINGLE BOWL HANDICAPPED ACCESSIBLE	1 1/2"	1/2"	1/2"	8,9
SH-1	ROLL-IN SHOWER - HANDICAPPED ACCESSIBLE	1 1/2"	1/2"	1/2"	1,6
WB-1	CLOTHES WASHING MACHINE BOX	2"	1/2"	1/2"	---
IM-1	ICE MAKER BOX	---	---	1/2"	---
NFWH	NON-FREEZE WALL HYDRANT EXPOSED - ANTI-SIPHON	---	---	3/4"	---
EWC-1	BI-LEVEL DRINKING FOUNTAIN HANDICAPPED ACCESSIBLE	1 1/2"	---	1/2"	---
WH	WALL HYDRANT LOOSE KEY	---	3/4"	3/4"	---

NOTES:  
 1. COLOR OF FIXTURES SHALL BE WHITE AND FINISH OF FAUCETS SHALL BE CHROME PLATED.  
 2. COORDINATE RIGHT-HAND OR LEFT-HAND TRIP LEVER REQUIREMENTS WITH ARCHITECTURAL DRAWINGS.  
 3. PROVIDE MCGUIRE FW2125 INSULATION KIT.  
 4. COORDINATE RIGHT-HAND OR LEFT-HAND OUTLET REQUIREMENTS WITH ARCHITECTURAL DRAWINGS.  
 5. COORDINATE RIGHT-HAND OR LEFT-HAND FAUCET AND OUTLET REQUIREMENTS WITH ARCHITECTURAL DRAWINGS.  
 6. SINK SHALL BE STAINLESS STEEL AND FINISH OF FAUCETS SHALL BE CHROME PLATED.  
 7. PROVIDE Y-CONNECTOR DRAIN FOR DISHWASHER.  
 8. DISPOSAL FURNISHED BY GEN. CONTRACTOR, INSTALLED BY PLUMBING CONTRACTOR.  
 9. PROVIDE 2" FLOOR DRAIN IN SHOWER - JAY R. SMITH NO. 2010 WITH CHROME PLATED STRAINER.

THERMOSTATIC MIXING VALVES						
TAG	TYPE	MODEL	INLET SIZE	OUTLET SIZE	MIN. FLOW	MAX. FLOW
TMV-1	HIGH-LOW	LEONARD TM-2020B-3P	2"	2"	1 GPM	190 GPM

THERMAL EXPANSION TANKS					
TAG	MODEL	CONNECTION	MAX. WORKING PRESSURE	TOTAL VOL	MAX. ACCEPTANCE FACTOR
ET-1	AMTROL MODEL#ST-447-C	2" NPT	125PSIG	5.3 GAL.	.65

PUMP SCHEDULE							
TAG	SERVICE/LOCATION	TYPE	FLOW (GPM)	HEAD (PSI/FT)	RPM	MOTOR HP	REMARKS
SP-1	SANITARY DRAINAGE/ELEVATOR PIT	AUTOMATIC SUBMERSIBLE	64	22	3600	1/2	STANCOR SE50 SUBMERSIBLE EFFLUENT PUMP, WITH OIL-MINDER CONTROL SYSTEM AND 3 PRONG PLUG.
RCP-1,2	RECIRC. PUMP	WATER HEATER ROOM	15	45	3600	1/2	GRUNDFOS UP15-18B7
RCP-3	RECIRC. PUMP	WATER HEATER ROOM	15	45	3600	1/12	GRUNDFOS UP15-18B7

NOTES:  
 1. 115 VOLT, 5.0 AMPS.

SCHEDULE - ELECTRIC WATER HEATER							
MARK	MODEL	STORAGE CAPACITY GALLONS	KW INPUT	ENERGY FACTOR	GPH RECOVERY 90° RISE	TEMP OF WATER TO BE DEL.	ACCESSORIES
EWH-1	ME85	85	18	.92	83	120°	1,2,3,4,5,6


NOTES:  
 A. ALL UNITS SHALL MEET ASHRAE 90-75 AND ALL LOCAL CODE REQUIREMENTS.  
 ACCESSORIES:  
 1. PROVIDE EXPANSION TANK SIZED PER THE WATER HEATER MANUFACTURER'S RECOMMENDATIONS.  
 2. PROVIDE T&P RELIEF VALVE AND VACUUM RELIEF VALVE.  
 3. PROVIDE DIELECTRIC FITTINGS ON WATER INLET & OUTLET CONNECTIONS.  
 4. PROVIDE BALL VALVES AND UNIONS ON WATER INLET AND OUTLET CONNECTIONS.  
 5. LOCATE WATER HEATERS AS INDICATED ON PLANS.  
 6. ROUTE DRAIN PAN AND T&P RELIEF TO DRAIN. SEE WATER HEATER DETAIL.  
 SELECTION BASED ON RHEEM ELOPSE ME85 TANK TYPE COMMERCIAL WATER HEATER.

FIRE PROTECTION SCHEDULE							
AREA	OCCUPANCIES HAZARD	DENSITY GPM/FT	APPLICATION AREA SQ/FT	HEAD TYPE/TEMP RATING F	SYSTEM TYPE	HEAD FINISH	REMARKS
APARTMENTS	LIGHT	.05/1500	4 HEADS OPERATING	PENDENT 165°	WET	WHITE	NOTE 1

NOTE:  
 1. CRITERIA ESTABLISHED PER NFPA 13 & NFPA 13R.

STORAGE TANK SCHEDULE			
TAG	SERVICE/LOCATION	SIZE	MODEL
ST-1	MECHANICAL ROOM	175 GAL.	RHEEM ST175A

NOTES:  
 1. INSULATE IN THE FIELD.  
 2. PROVIDE T&P RELIEF VALVE AND VACUUM RELIEF VALVE & ROUTE DISCHARGE FULL SIZE TO DRAIN.



**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia



2222 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4488 | F: 404.233.7396 | LIC. NO. AA 0002442  
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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6280 SHILON RD. SUIT 330  
 ALPHARETTA, GA 30005  
 PH: 678-513-4242  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackelford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH

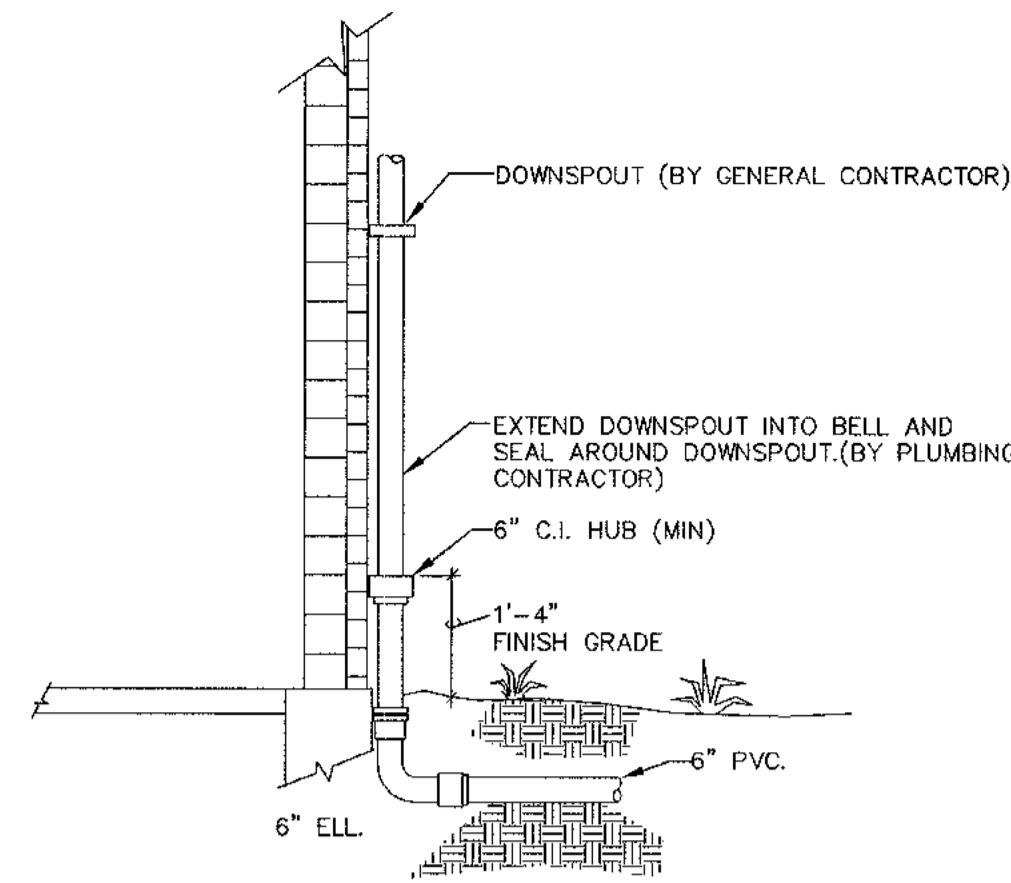
KEY PLAN		
NO.	DESCRIPTION	DATE
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1	Addendum#1	2/10/11

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 Project No: **#A06132.00**  
 File Name  
 Scale: 1/8" = 1'-0" Date: August 1, 2011  
 Drawing Title

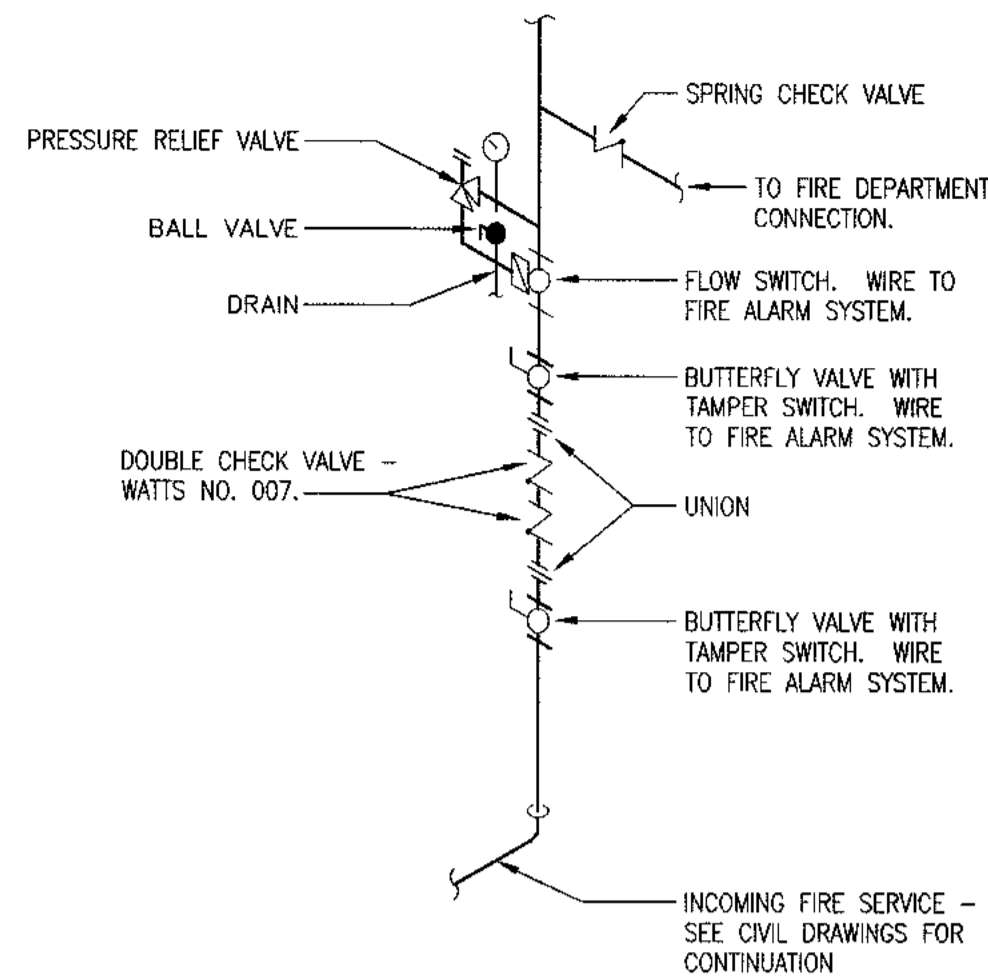
**SCHEDULES AND DETAILS**

Sheet Number  
**P0.02**

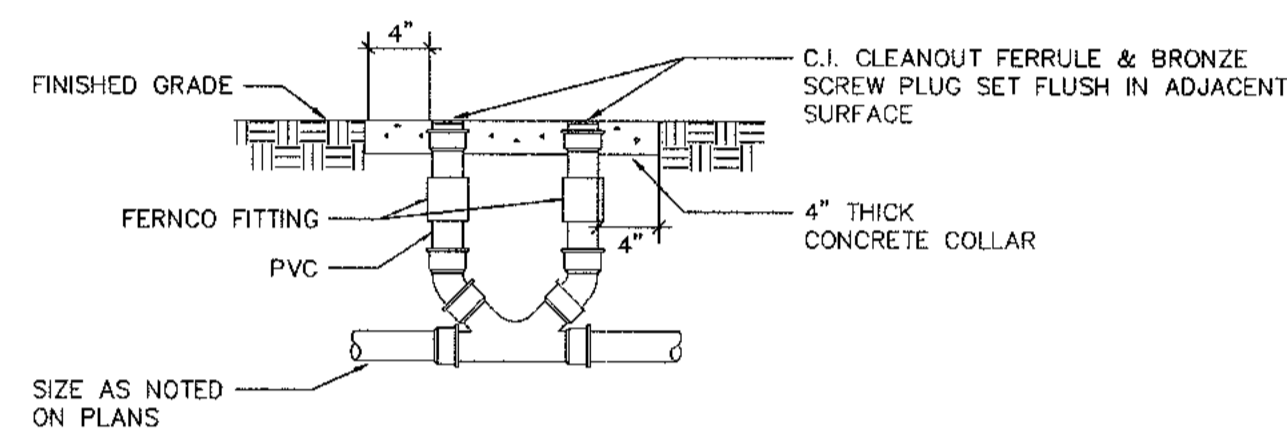
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**DOWNSPOUT CONNECTION DETAIL**  
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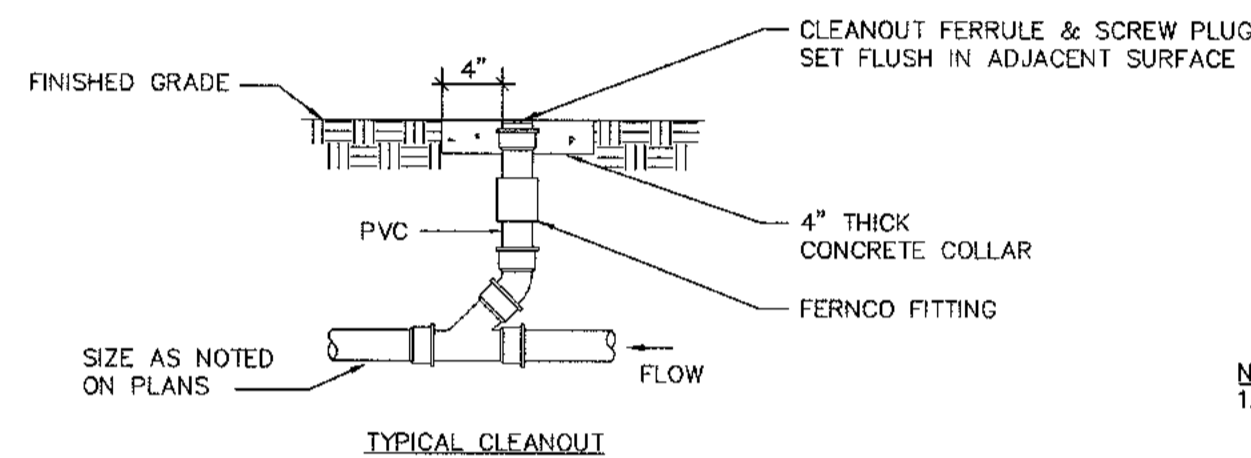


**NFPA 13R FIRE SERVICE SCHEMATIC**  
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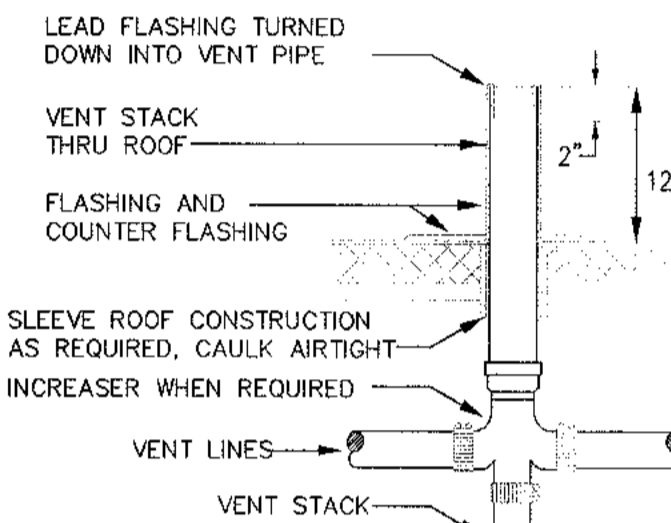


**TWO WAY CLEANOUT - DETAIL**  
SCALE: N.T.S.

ONLY AT BUILDING DRAIN AND BUILDING SEWER JUNCTION.

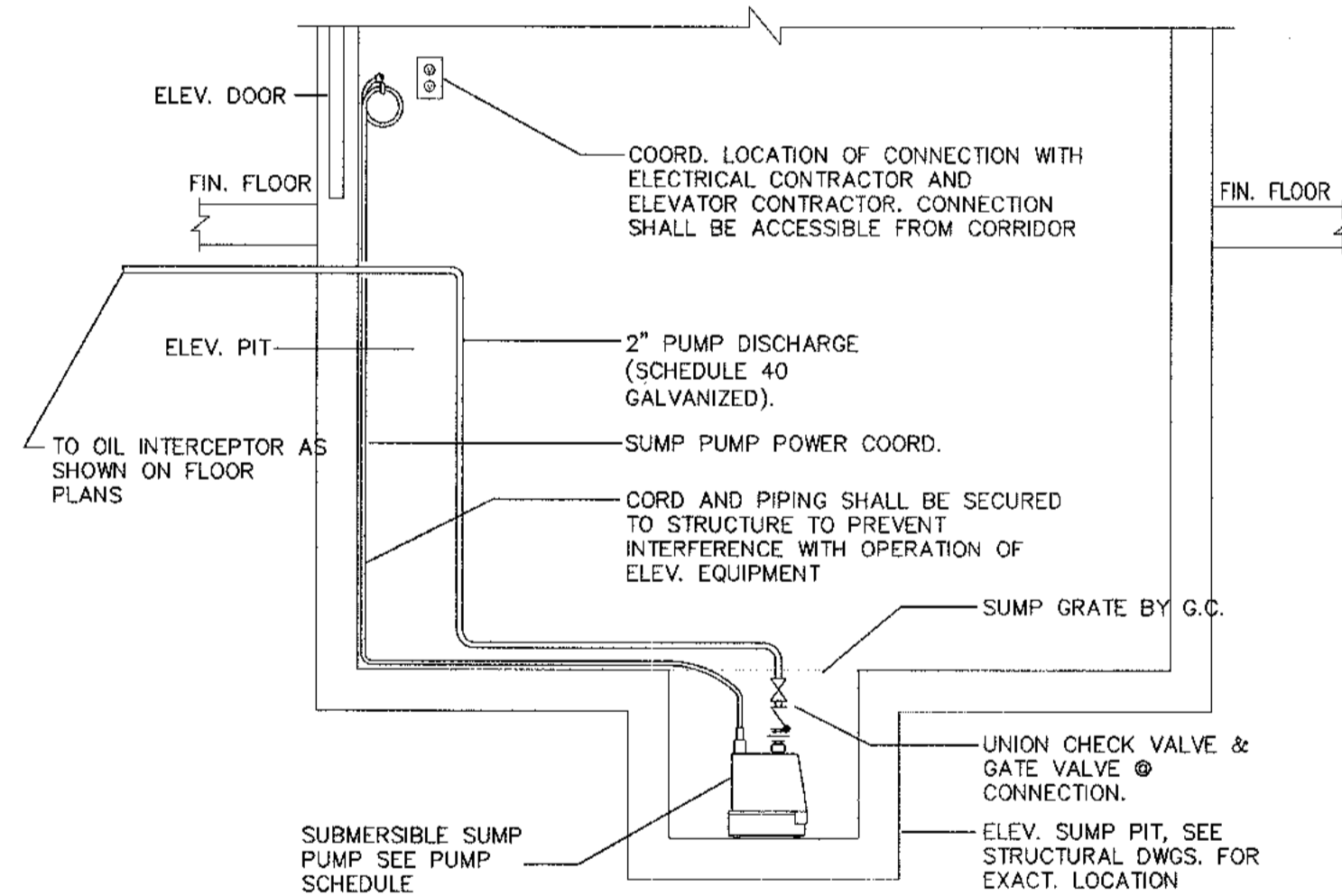


**YARD CLEANOUT - DETAIL**  
SCALE: N.T.S.

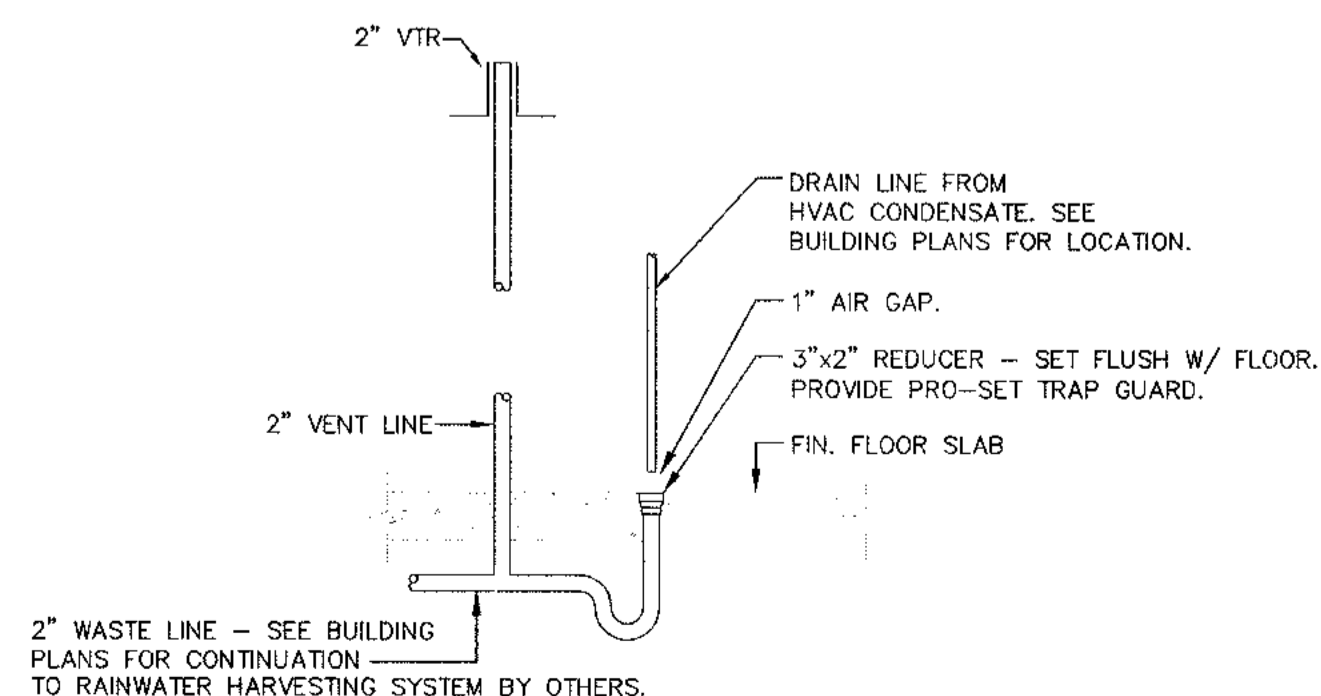


**NOTES:**  
1. SIZE OF OPENING IN ROOF DECK TO BE AS SMALL AS POSSIBLE COORDINATE WITH STRUCTURAL DRAWINGS.  
2. FOR ROOF CONSTRUCTION TYPE, REFER TO ARCHITECTURAL DRAWINGS.

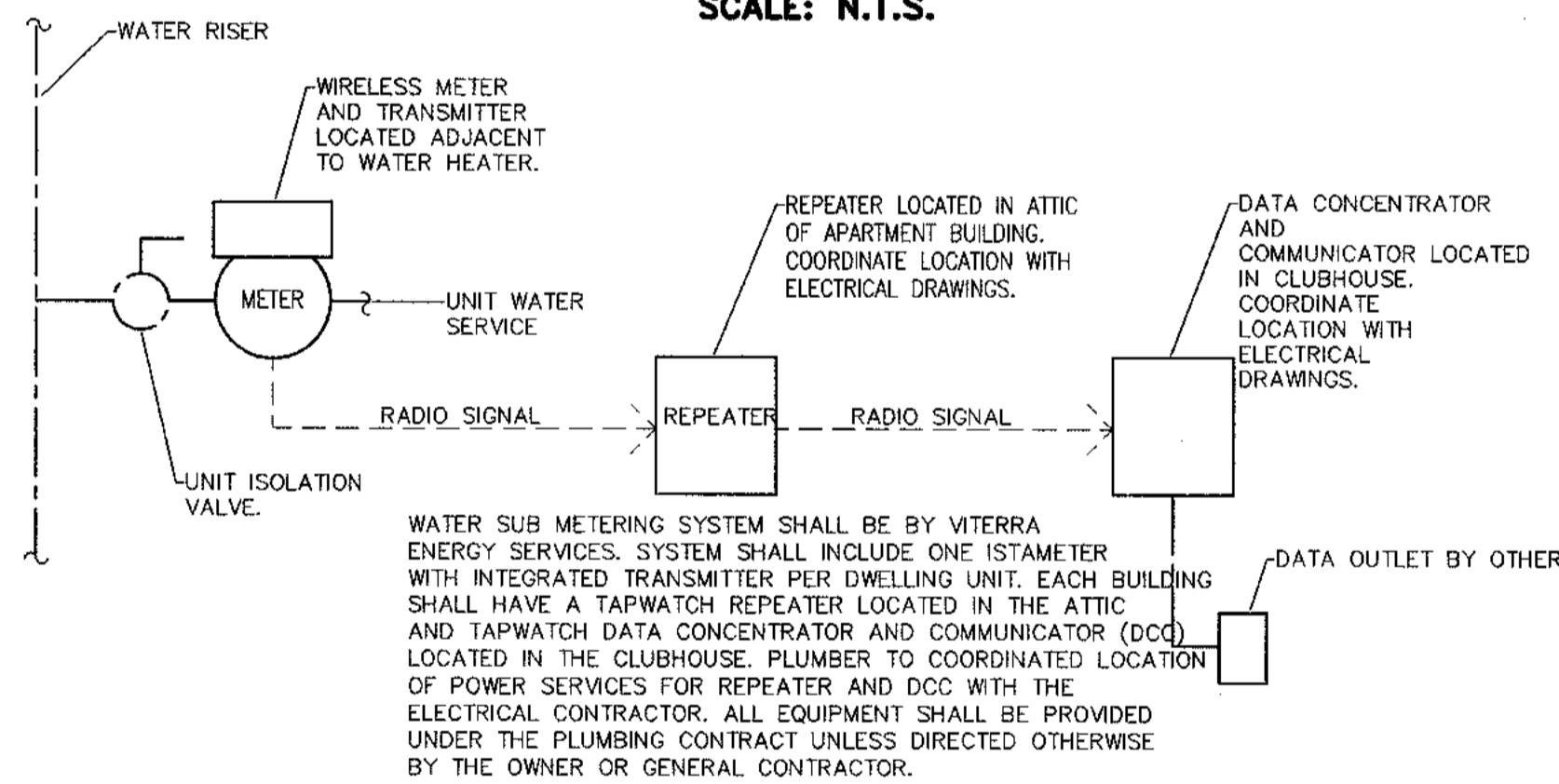
**VENT STACK - DETAIL**  
SCALE: N.T.S.



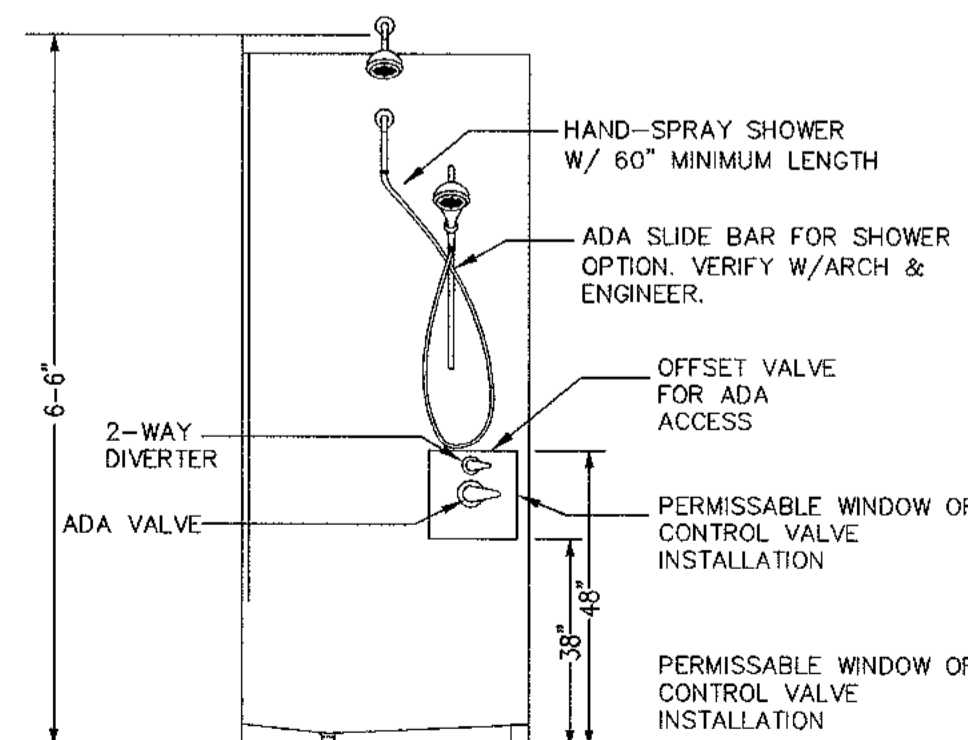
**ELEVATOR SUMP PUMP**  
SCALE: N.T.S.



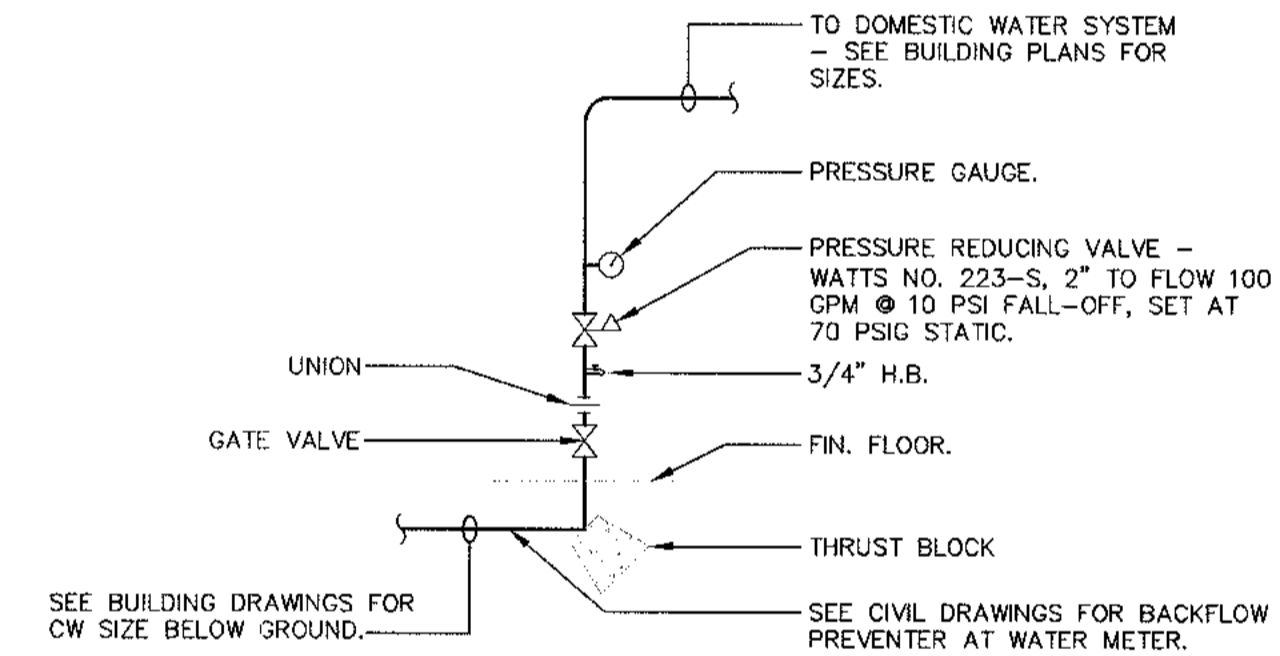
**CONDENSATE HUB DRAIN DETAIL**  
SCALE: N.T.S.



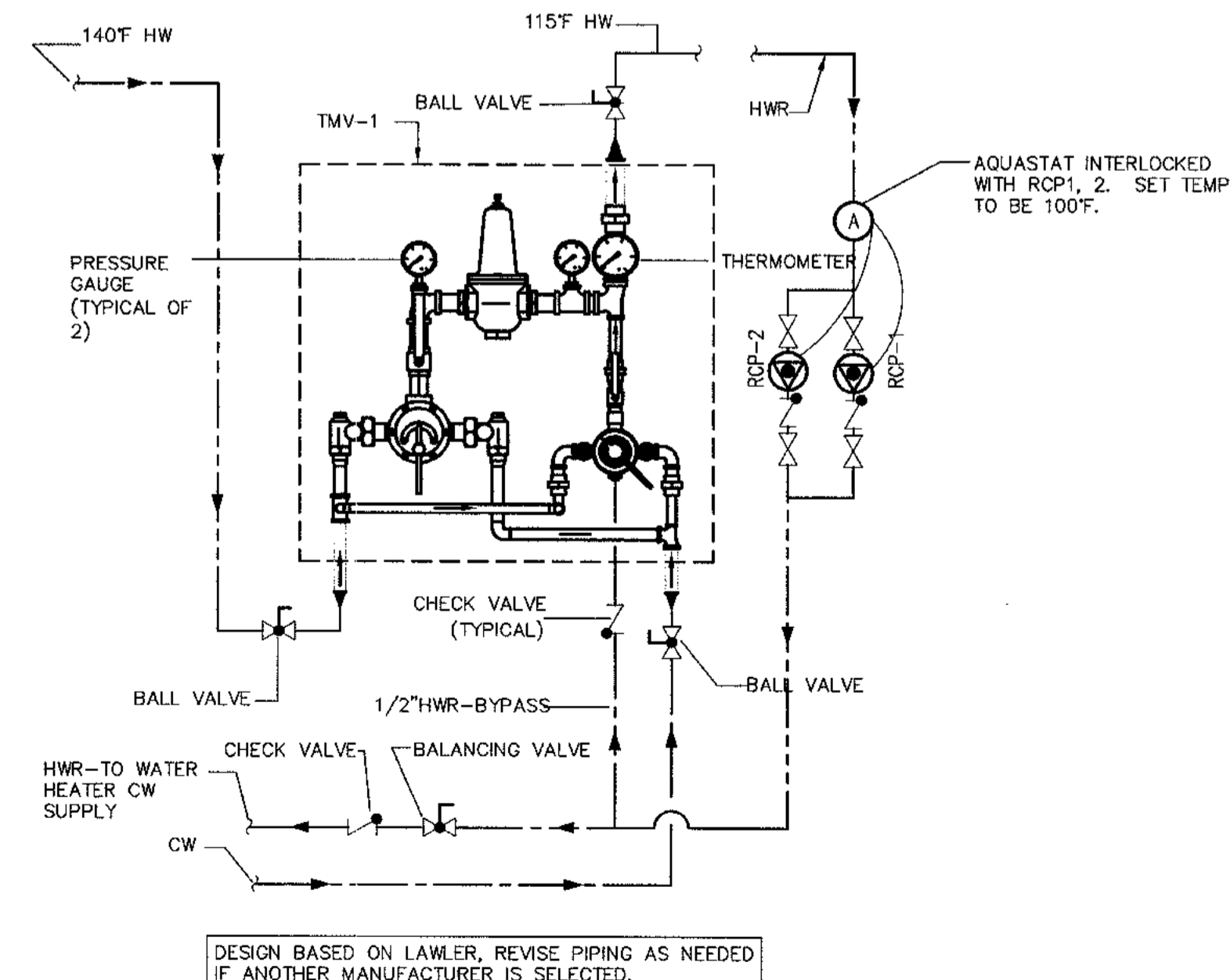
**WATER SUB-METER SCHEMATIC**  
SCALE: N.T.S.



**ROLL-IN SHOWER REQUIREMENTS**  
SCALE: N.T.S.



**DOMESTIC WATER ENTRANCE DETAIL**  
SCALE: N.T.S.



**HIGH/LOW MIXING VALVE DETAIL**  
SCALE: N.T.S.

**REGISTERED PROFESSIONAL ENGINEER**  
DANIEL SHEPHERD  
No. 17742  
ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

**Civil Engineer**  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**Structural Engineer**  
STRUCTURAL CONSULTING GROUP  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
JORDAN & SKALA  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
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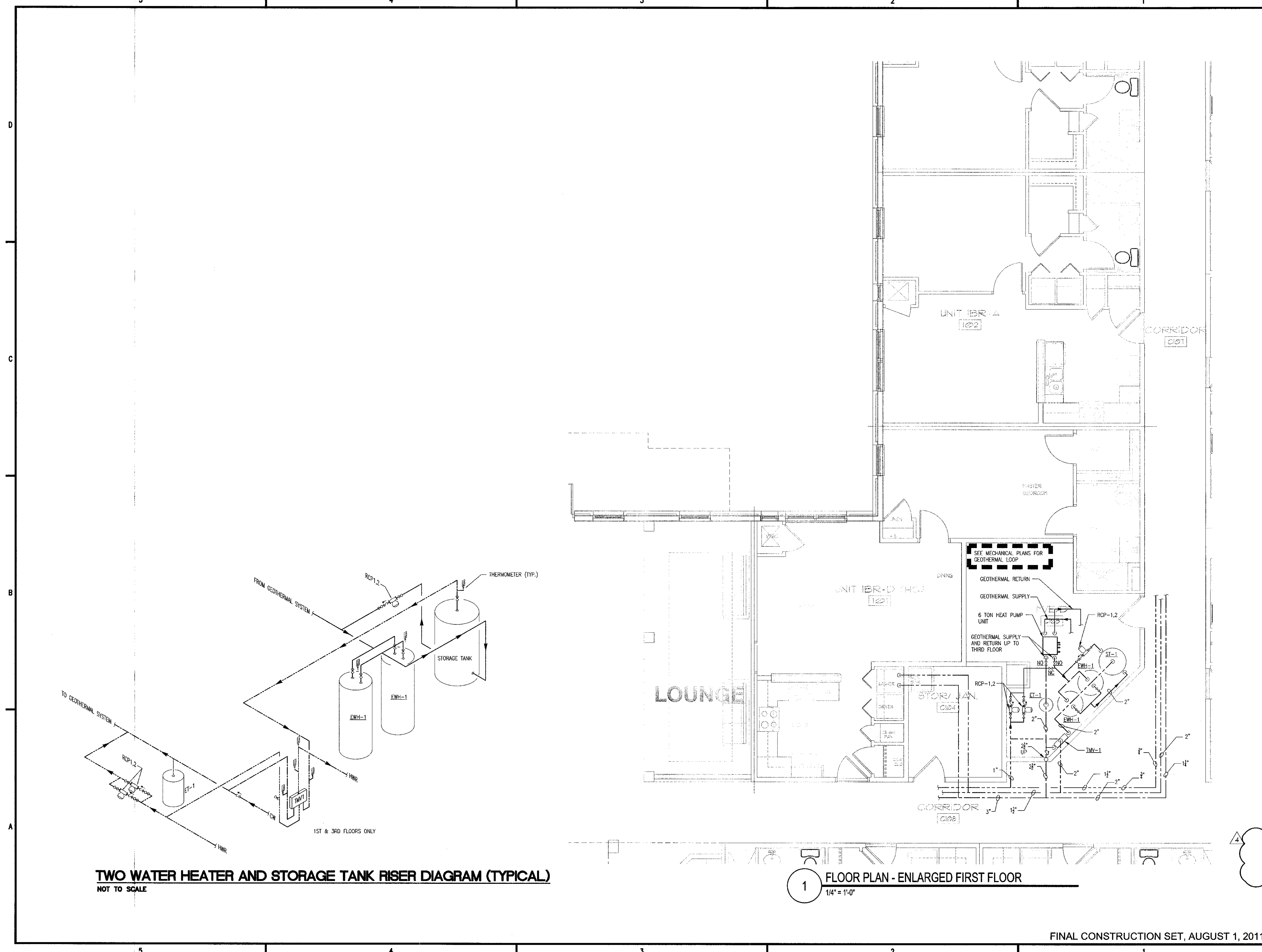
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No.	HW0132.00
File Name	
Scale	1/8" = 1'-0"
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**PLUMBING DETAILS**

Sheet Number  
**P0.03**

Professional of Record: Stewart Allen  
Professional Registration No: GA 3051  
Seal:



**TWO WATER HEATER AND STORAGE TANK RISER DIAGRAM (TYPICAL)**  
NOT TO SCALE

**1 FLOOR PLAN - ENLARGED FIRST FLOOR**  
1/4" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011



ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7395 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

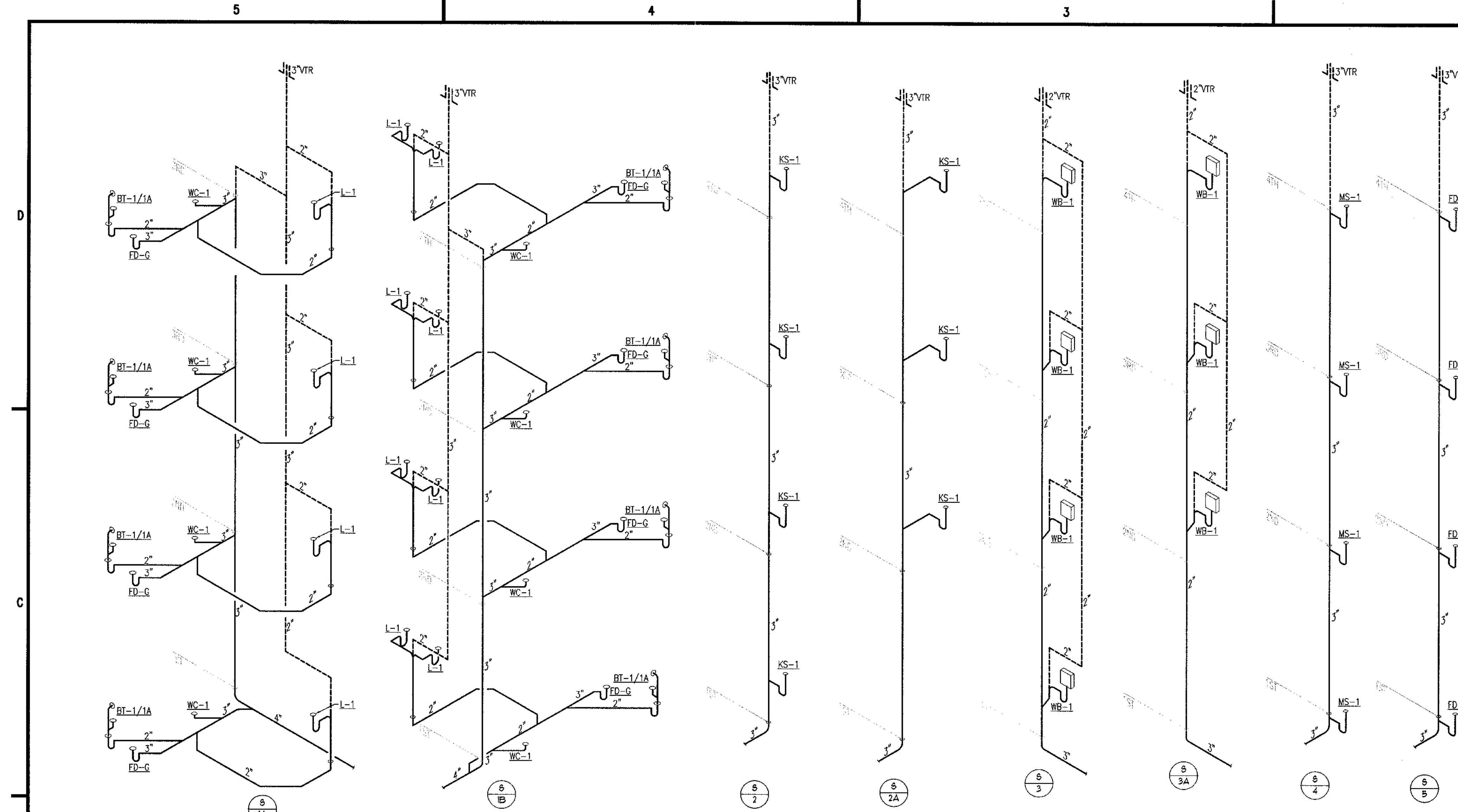
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Project No. **AH00132.00**  
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Drawing Title

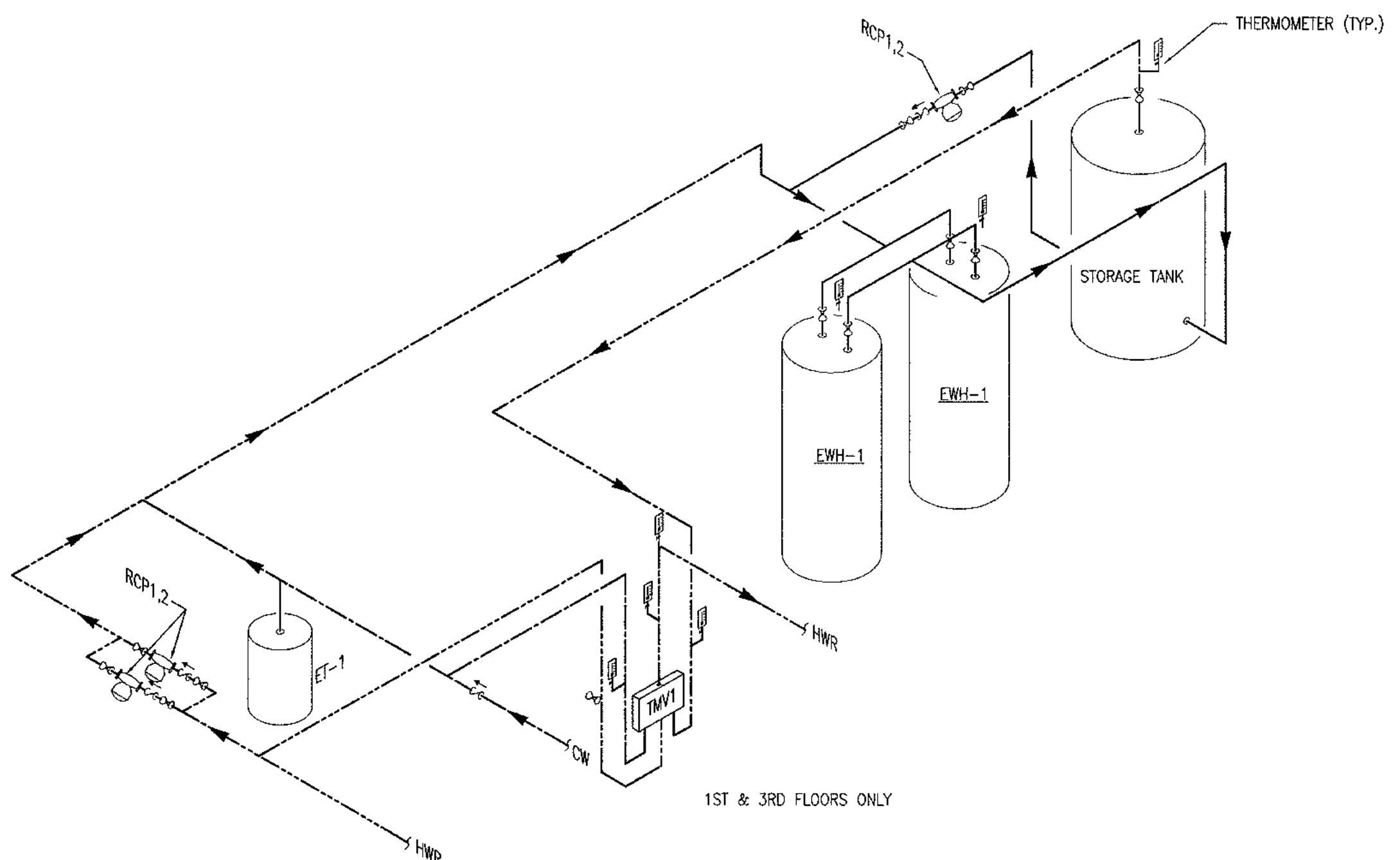
**ADD ALTERNATE  
GEOTHERMAL  
WATER HEATING**  
Sheet Number  
**P0.04**

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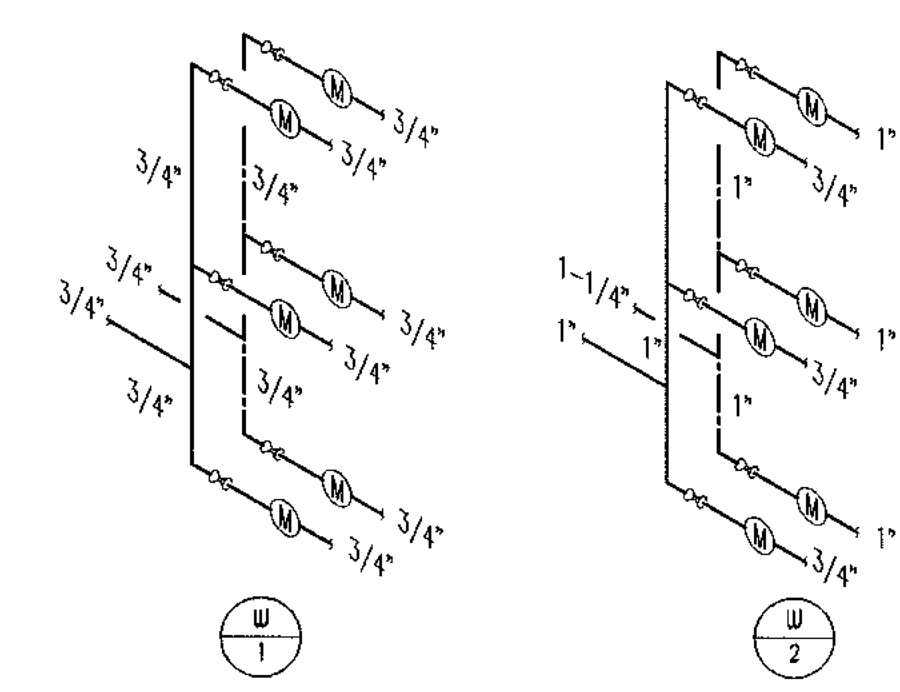




**SANITARY RISERS**  
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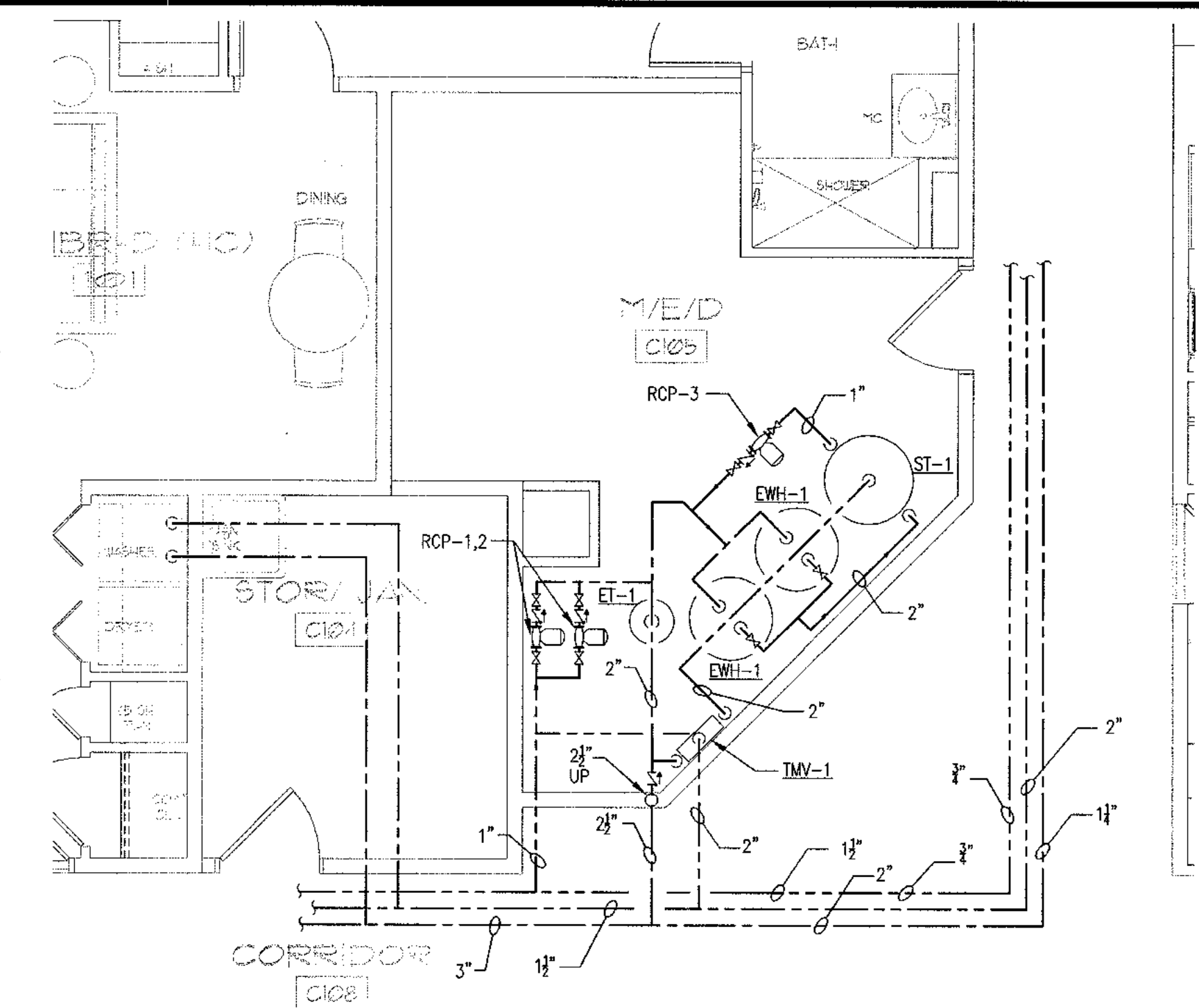


**TWO WATER HEATER AND STORAGE TANK RISER DIAGRAM (TYPICAL)**  
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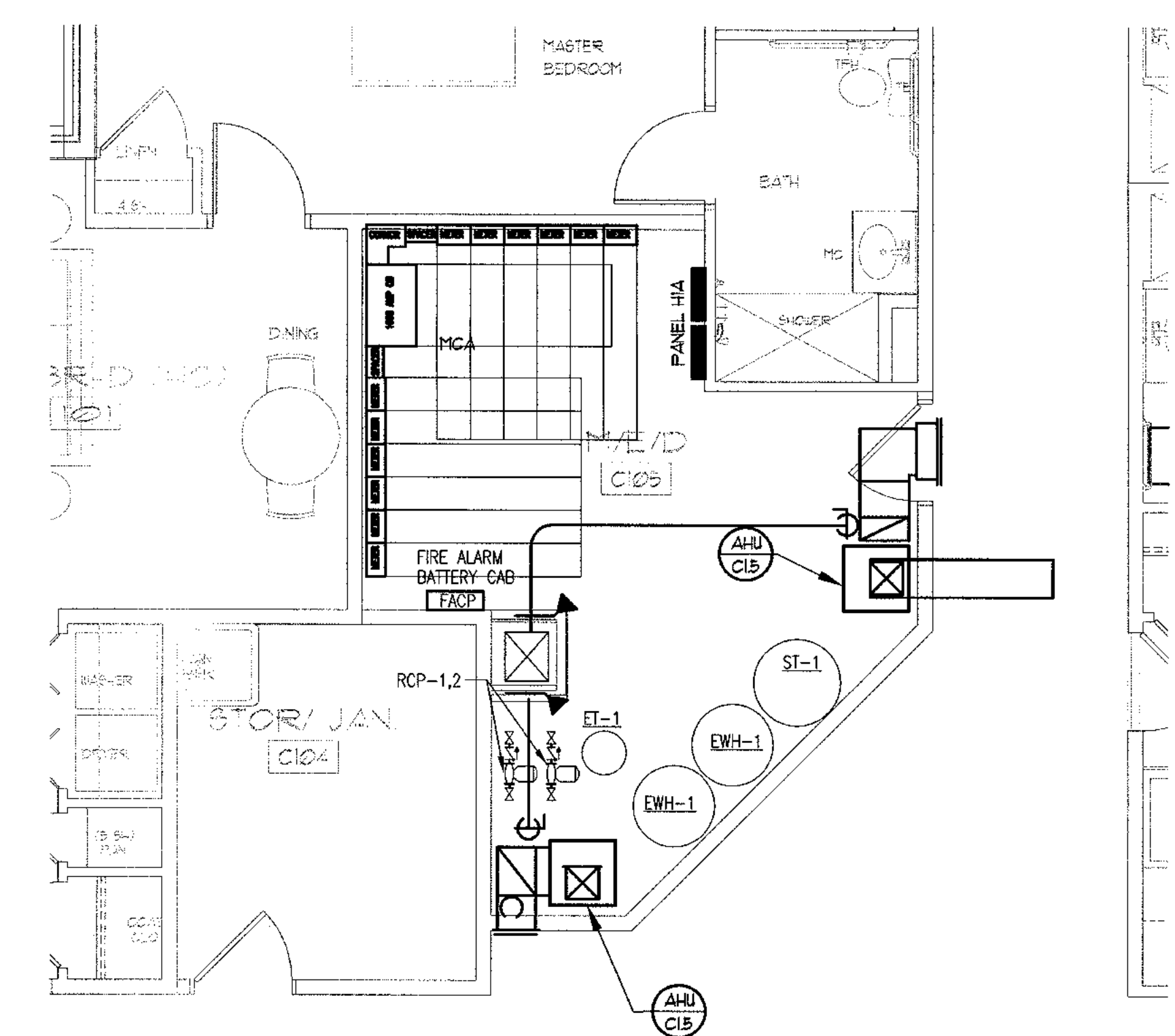


**WATER METER DETAIL KEY NOTES:**  
SEE WATER SUB-METER SCHEMATIC ON SHEET P1.02.  
(TYPICAL FOR 3)

**DOMESTIC WATER RISERS**  
NOT TO SCALE



**1 FLOOR PLAN - ENLARGED FIRST FLOOR**  
1/4" = 1'-0"



**1 FLOOR PLAN - COORDINATED ENLARGED FIRST FLOOR**  
1/4" = 1'-0"

**REGISTERED PROFESSIONAL ENGINEER**  
No. 17782  
**DENNIS SHEFFIELD**

**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4468 | F: 404.233.7396 | LIC. No. AA 0002442  
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**Civil Engineer**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
17th Floor, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**Structural Engineer**  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD. SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-513-4242  
Contact: JOHN FLANNAGAN

**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4215 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
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4	Addendum#4 & Co-ordination	4/15/11
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2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

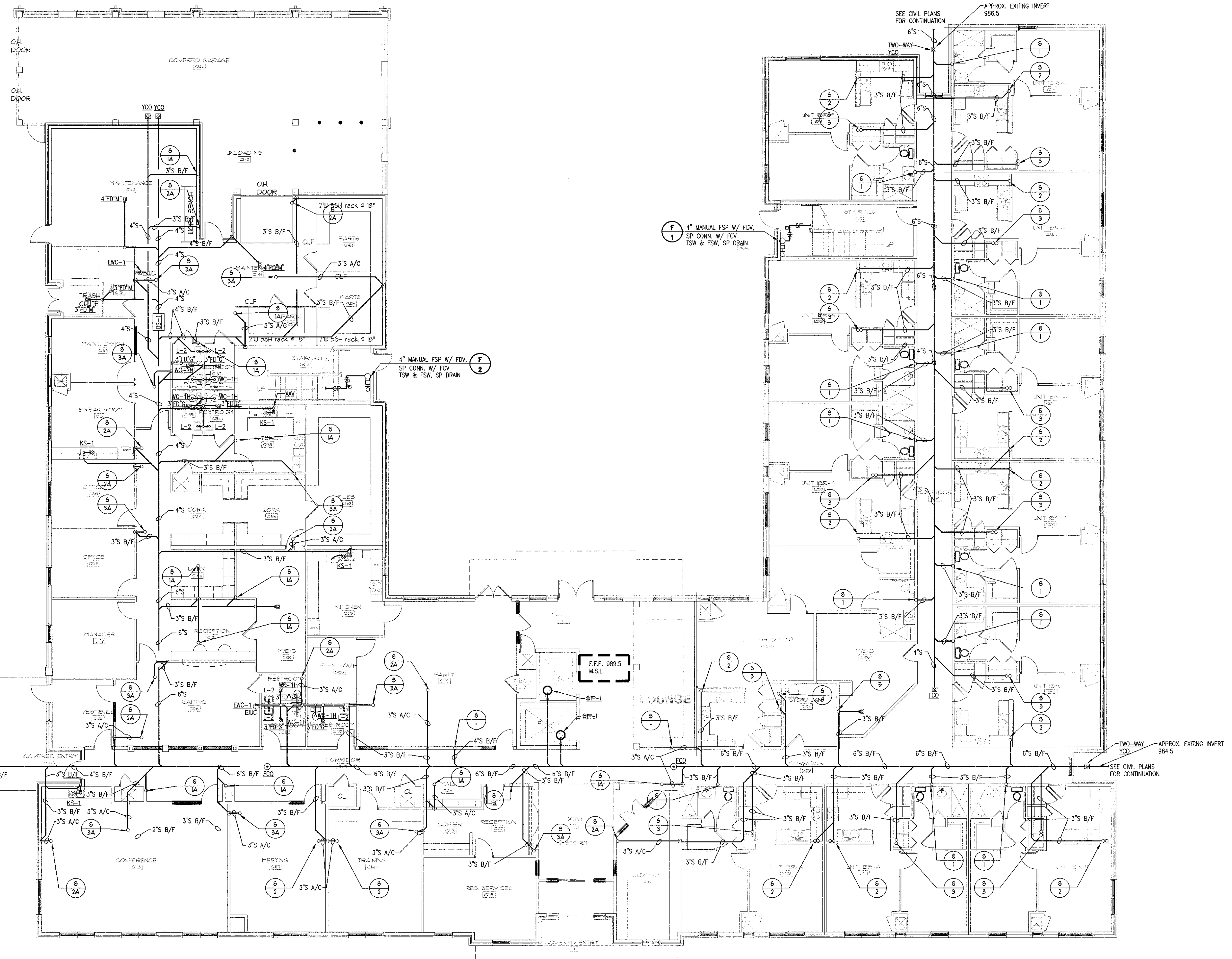
Project No: **AND0132.00**  
File Name: \_\_\_\_\_  
Scale: 1/8" = 1'-0" Date: August 1, 2011  
Drawing Title: \_\_\_\_\_

**PLUMBING RISERS FIRST FLOOR ENLARGED PLAN**


Sheet Number: **P0.05**

Professional of Record: **Stewart Allen**  
Professional Registration No: GA 3351

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1 FLOOR PLAN - FIRST FLOOR  
1/8" = 1'-0"

  
**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

  
**HADP**  
 ARCHITECTURE, INC.  
 2722 Piedmont Rd NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Billmore, Suite 801  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackelford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH

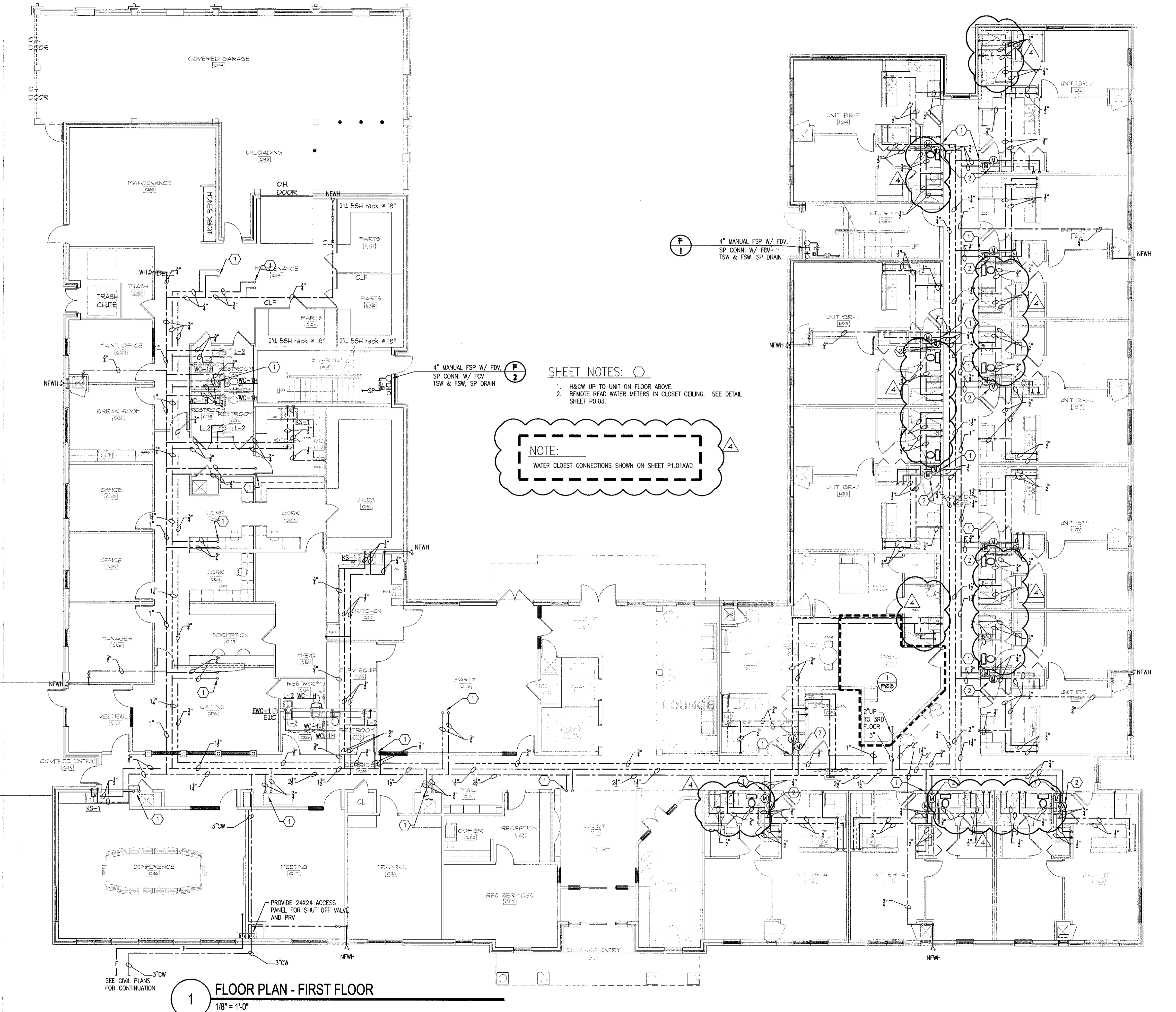
**KEY PLAN**

Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No: **AW0132.00**  
 File Name:  
 Scale: 1/8" = 1'-0" Date: August 1, 2011  
 Drawing Title:

**FLOOR PLAN - FIRST FLOOR**  
**PLUMBING SANITARY**  
 Sheet Number  
**P1.01**  
 Professional of Record: **Stewart Allen**  
 Professional Registration No: GA-3051  
 Seal:

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- SHEET NOTES:**
- H&W UP TO UNIT ON FLOOR ABOVE.
  - REMOVE HEAD WATER METERS IN CLOSET CEILING. SEE DETAIL SHEET P0.03.

**NOTE:**  
WATER CLOSET CONNECTIONS SHOWN ON SHEET P1.01AWC

**1 FLOOR PLAN - FIRST FLOOR**  
1/8" = 1'-0"

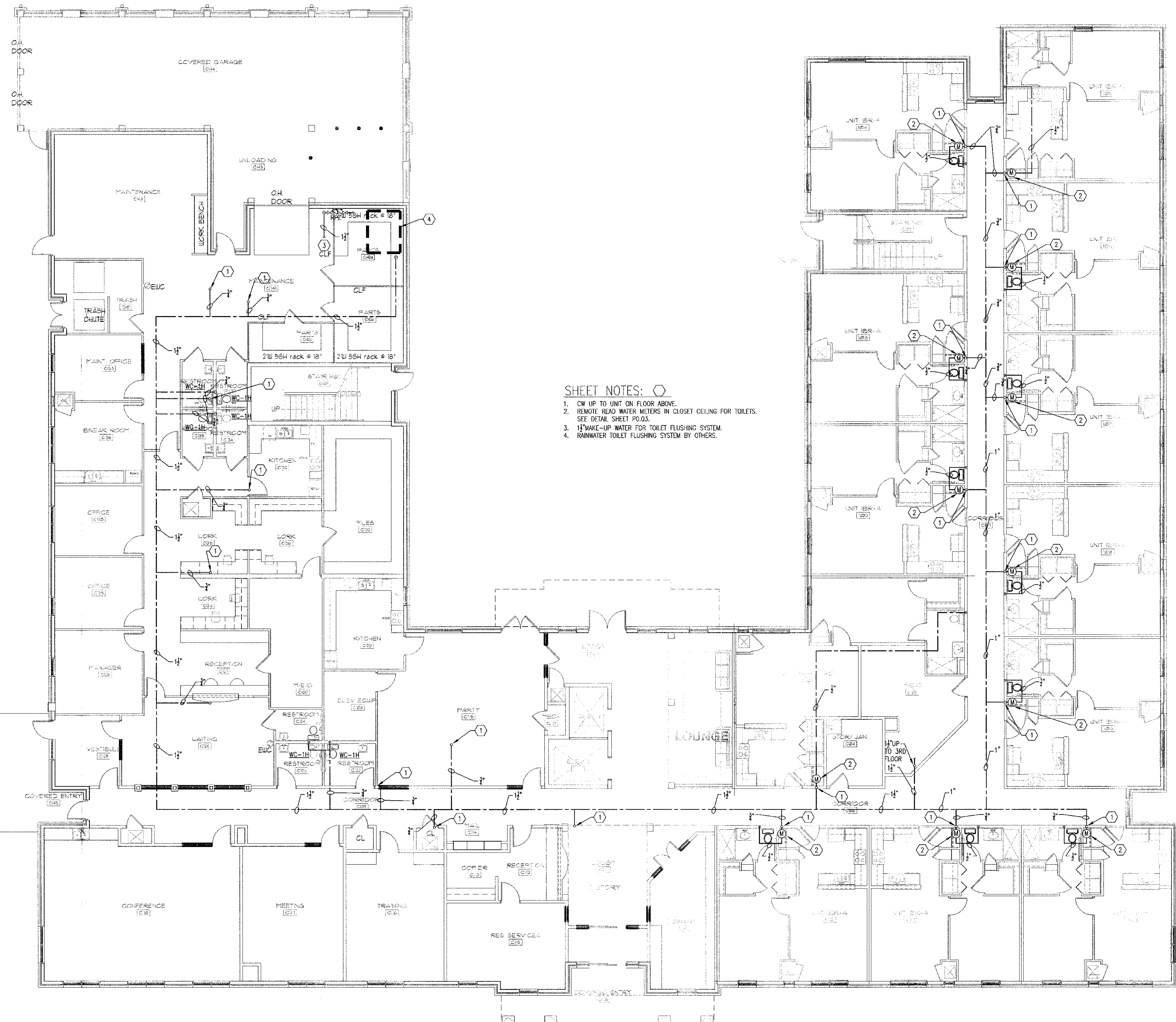
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 750 Commerce Drive  
 Decatur, Georgia 30030  
 ALLEN WILSON  
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 Commerce Drive  
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**HADP**  
 ARCHITECTURE, INC.  
 2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4488 | F: 404.233.7396 | LIC. No. AA 0002442  
 E: info@hadpmail.com | www.hadparchitecture.com  
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 Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Billmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-8122  
 Contact: MARK KILBY  
 Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD. SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN  
 Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackleford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH

**KEY PLAN**

Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No: **AH0132.00**  
 File Name:  
 Scale: 1/8" = 1'-0" Date: August 1, 2011  
 Drawing Title:  
**FLOOR PLAN - FIRST FLOOR PLUMBING WATER**  
 Sheet Number:  
**P1.01A**  
 Professional of Record: **Stewart Allen**  
 Professional Registration No: GA 3051  
 Seal:  
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**SHEET NOTES:**

1. CW UP TO UNIT ON FLOOR ABOVE.
2. REMOVE READ WATER METERS IN CLOSET CEILING FOR TOILETS. SEE DETAIL SHEET P1.03.
3. MAKE-UP WATER FOR TOILET FLUSHING SYSTEM.
4. RAINWATER TOILET FLUSHING SYSTEM BY OTHERS.

**1 FLOOR PLAN - FIRST FLOOR**  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011

**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. NO. AA 0002442  
E: info@hadpmail.com | www.HADPArchitecture.com

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**Civil Engineer**  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**Structural Engineer**  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

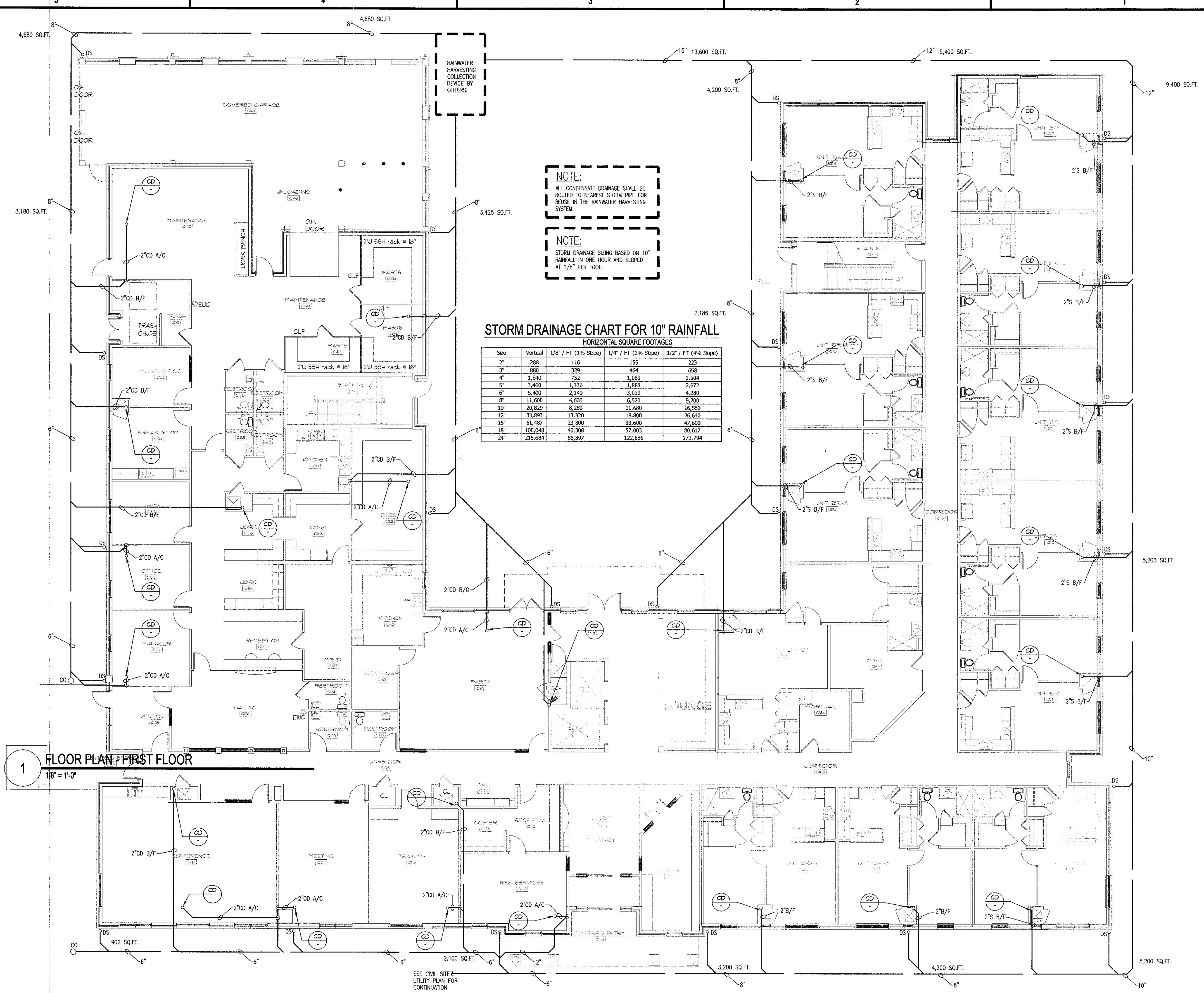
**Electrical, Mechanical, Plumbing & Fire Protection Engineer**  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

KEY PLAN		
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/24/11
1	Addendum#1	2/19/11

Project No. **AH08132.00**  
File Name  
Scale 1/8" = 1'-0" Date August 1, 2011  
Drawing Title

**FLOOR PLAN - FIRST FLOOR PLUMBING WATER**  
Sheet Number **P1.01AWC**

Professional of Record: **Stewart Allen**  
Professional Registration No. **GA 20531**  
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**NOTE:**  
ALL CONDENSATE DRAINAGE SHALL BE ROUTED TO NEAREST STORM PIPE FOR REUSE IN THE RAINWATER HARVESTING SYSTEM.

**NOTE:**  
STORM DRAINAGE SIZING BASED ON 10" RAINFALL IN ONE HOUR AND SLOPED AT 1/8" PER FOOT.

**STORM DRAINAGE CHART FOR 10" RAINFALL**

Size	Vertical	HORIZONTAL SQUARE FOOTAGES		
		1/8" / FT (1% Slope)	1/4" / FT (2% Slope)	1/2" / FT (4% Slope)
2"	288	116	155	223
3"	880	329	464	658
4"	1,840	752	1,060	1,504
5"	3,460	1,336	1,888	2,672
6"	5,400	2,140	3,020	4,280
8"	11,600	4,600	6,520	9,200
10"	20,829	8,280	11,680	16,560
12"	33,893	13,320	18,800	26,640
15"	61,487	23,800	33,600	47,600
18"	100,048	40,308	57,003	80,617
24"	215,684	86,897	122,886	173,794

**1 FLOOR PLAN - FIRST FLOOR**  
1/8" = 1'-0"

**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
DORLAND SHEFFIELD

**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
2722 Piedmont Rd NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 002642  
E: info@hadpmail.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 878-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

**KEY PLAN**

Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/16/11

Project No. **AH00132.00**

File Name

Scale 1/8" = 1'-0" Date August 1, 2011

Drawing Title

**FLOOR PLAN - FIRST FLOOR PLUMBING STORM**

Sheet Number **P1.01ST**

Professional of Record: **Stewart Allen**  
Professional Registration No. GA-3061

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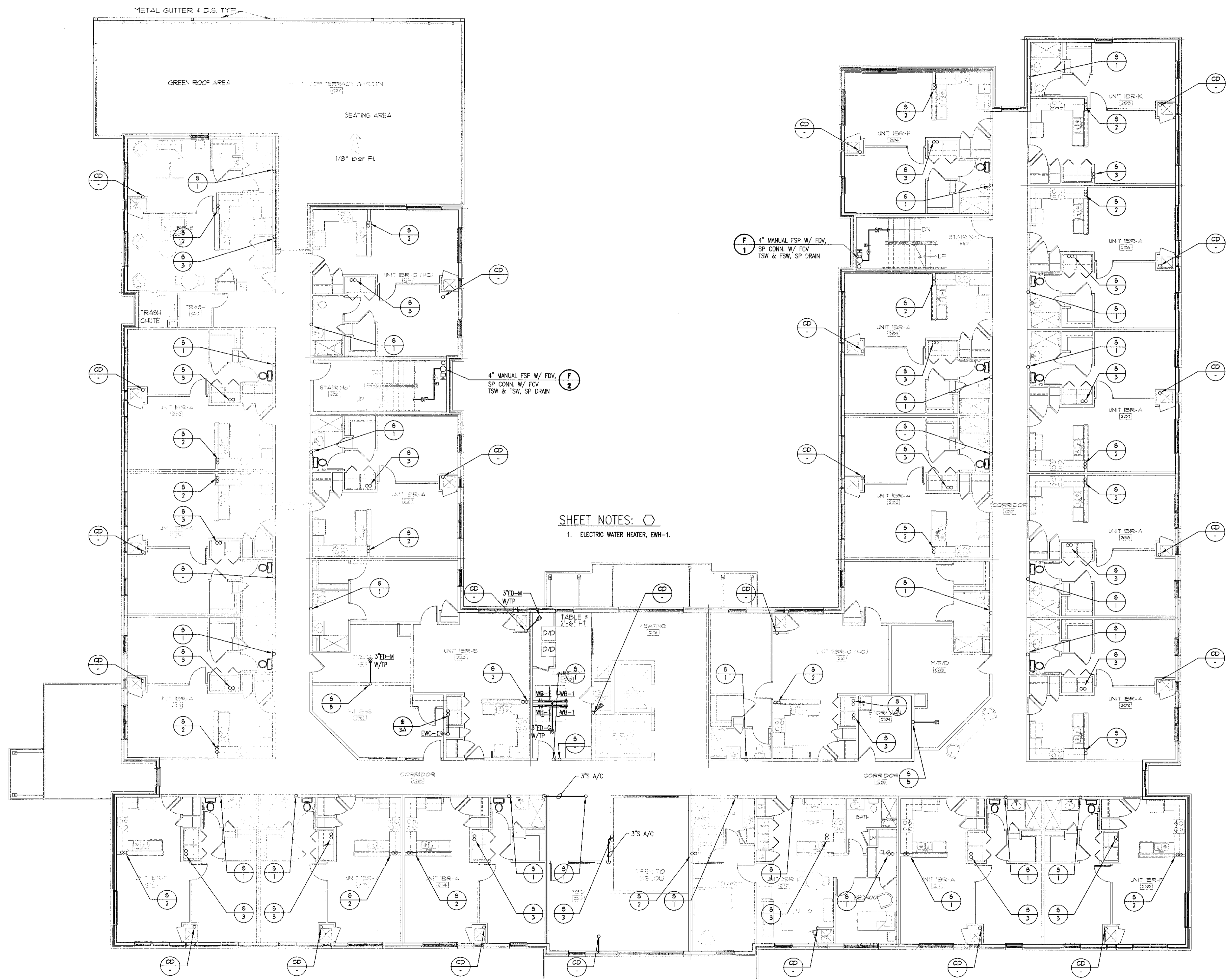
5

4

3

2

1



**SHEET NOTES:**

- ELECTRIC WATER HEATER, EWH-1.

**1 FLOOR PLAN - SECOND FLOOR**  
1/8" = 1'-0"



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30309 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-613-4242  
Contact : JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

**KEY PLAN**

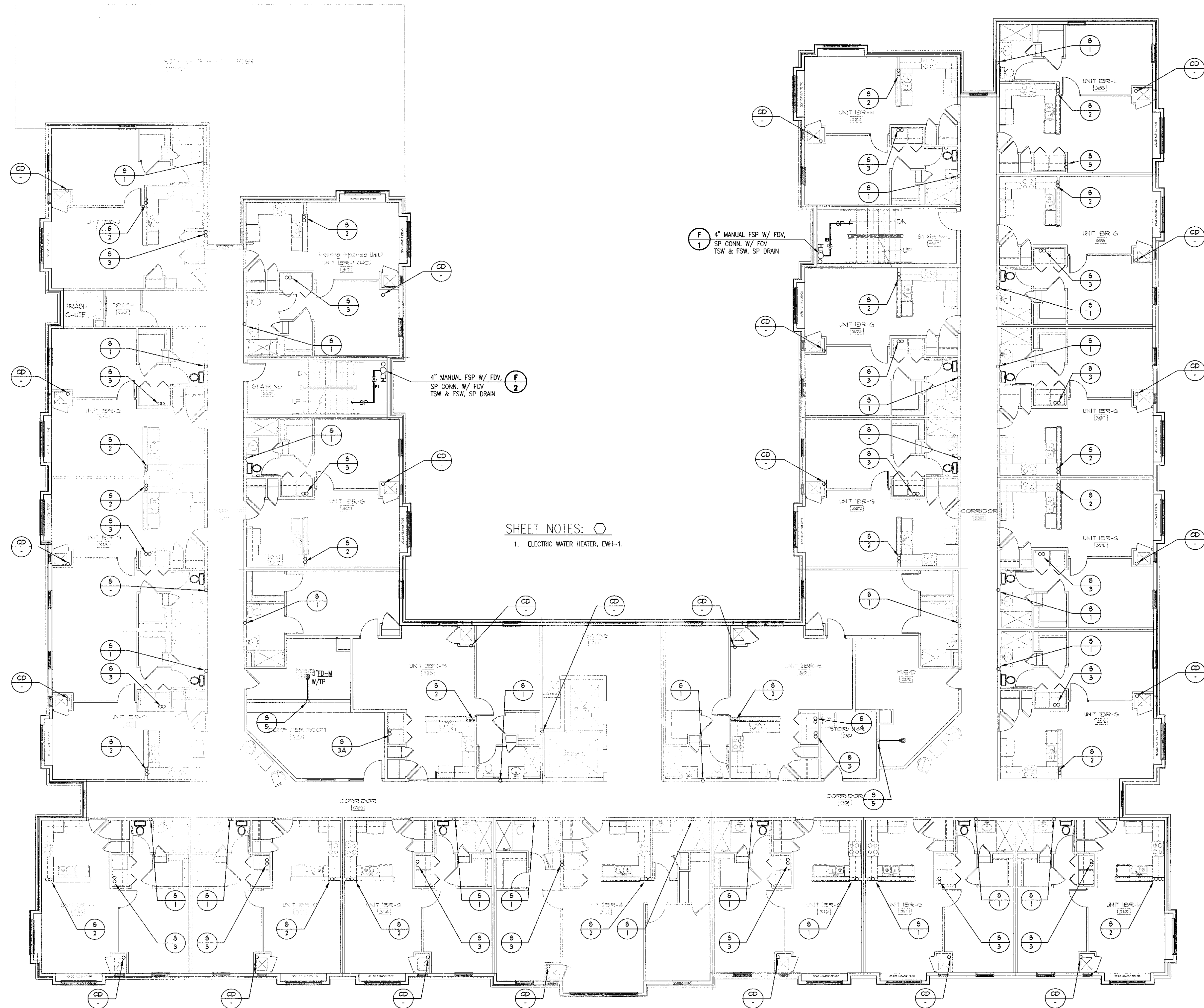
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4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/18/11

Project No: **AH00132.00**  
File Name:  
Scale: **1/8" = 1'-0"** Date: August 1, 2011  
Drawing Title:

**FLOOR PLAN - SECOND FLOOR**

Sheet Number  
**P1.02**

Professional of Record: **Stewart Allen**  
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**SHEET NOTES:**

- ELECTRIC WATER HEATER, EWH-1.

4" MANUAL FSP W/ FDV,  
SP. CONN. W/ FCV  
TSW & FSW, SP DRAIN

4" MANUAL FSP W/ FDV,  
SP. CONN. W/ FCV  
TSW & FSW, SP DRAIN

**1 FLOOR PLAN - THIRD FLOOR**  
1/8" = 1'-0"



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4486 | F: 404.233.7396 | LIC. No. AA 0002442  
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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
517 West Peachtree Street  
The Billmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6260, SHILON RD. SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

**KEY PLAN**

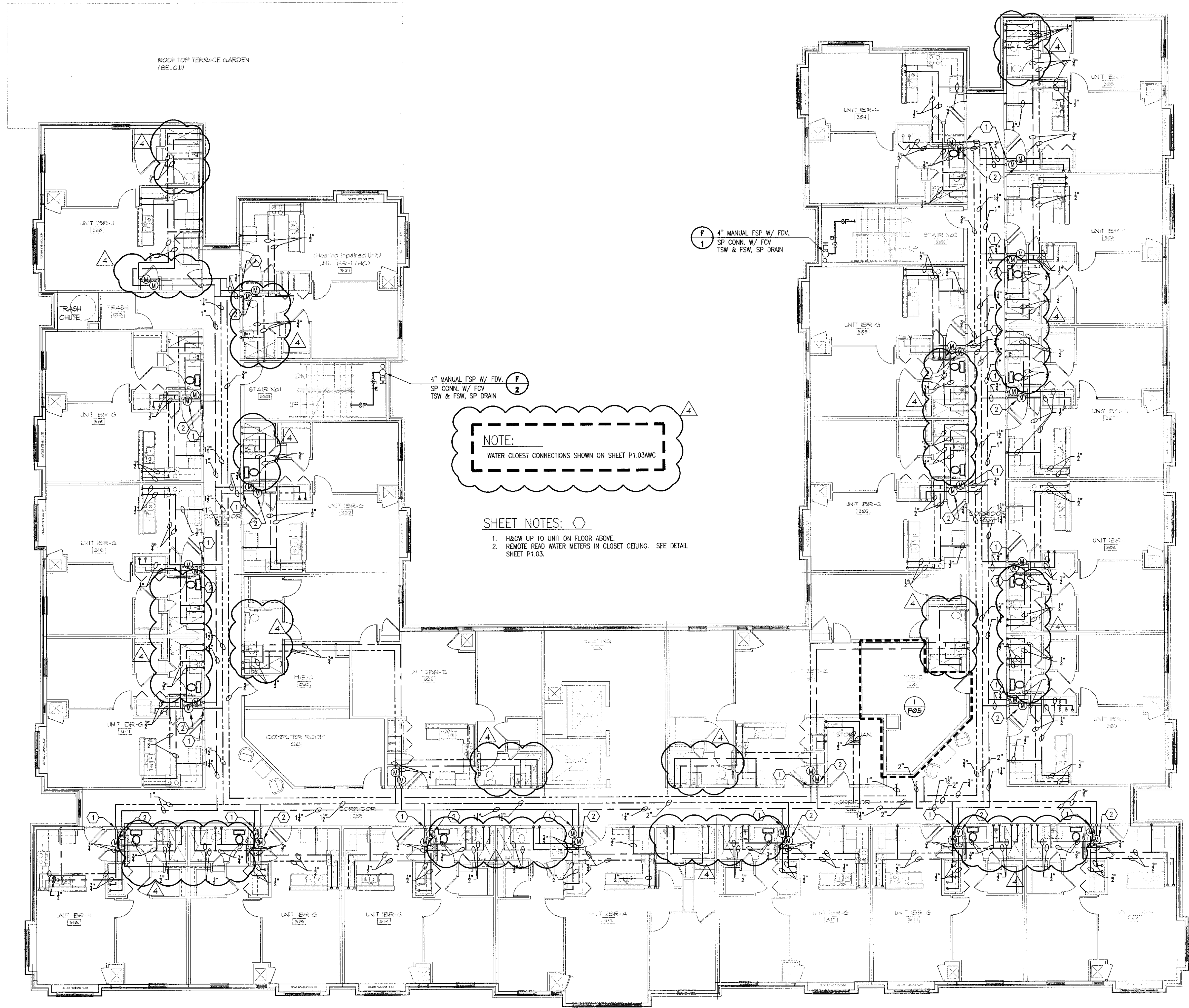
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No. **AH08132.00**  
Scale **1/8" = 1'-0"** Date **August 1, 2011**  
Drawing Title

**FLOOR PLAN - THIRD FLOOR PLUMBING SANITARY**  
Sheet Number **P1.03**

Professional of Record: **Stewart Allen**  
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**NOTE:**  
WATER CLOSET CONNECTIONS SHOWN ON SHEET P1.03AWC

- SHEET NOTES:**
- H&CW UP TO UNIT ON FLOOR ABOVE.
  - REMOTE READ WATER METERS IN CLOSET CEILING. SEE DETAIL SHEET P1-03.

F 1  
4" MANUAL FSP W/ FDV,  
SP CONN. W/ FCV  
TSW & FSW, SP DRAIN

F 2  
4" MANUAL FSP W/ FDV,  
SP CONN. W/ FCV  
TSW & FSW, SP DRAIN

**1 FLOOR PLAN - THIRD FLOOR**  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
517 West Peachtree Street  
The Billmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0282  
Contact: VERN SMITH

KEY PLAN		
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11
Revision	Description	Date

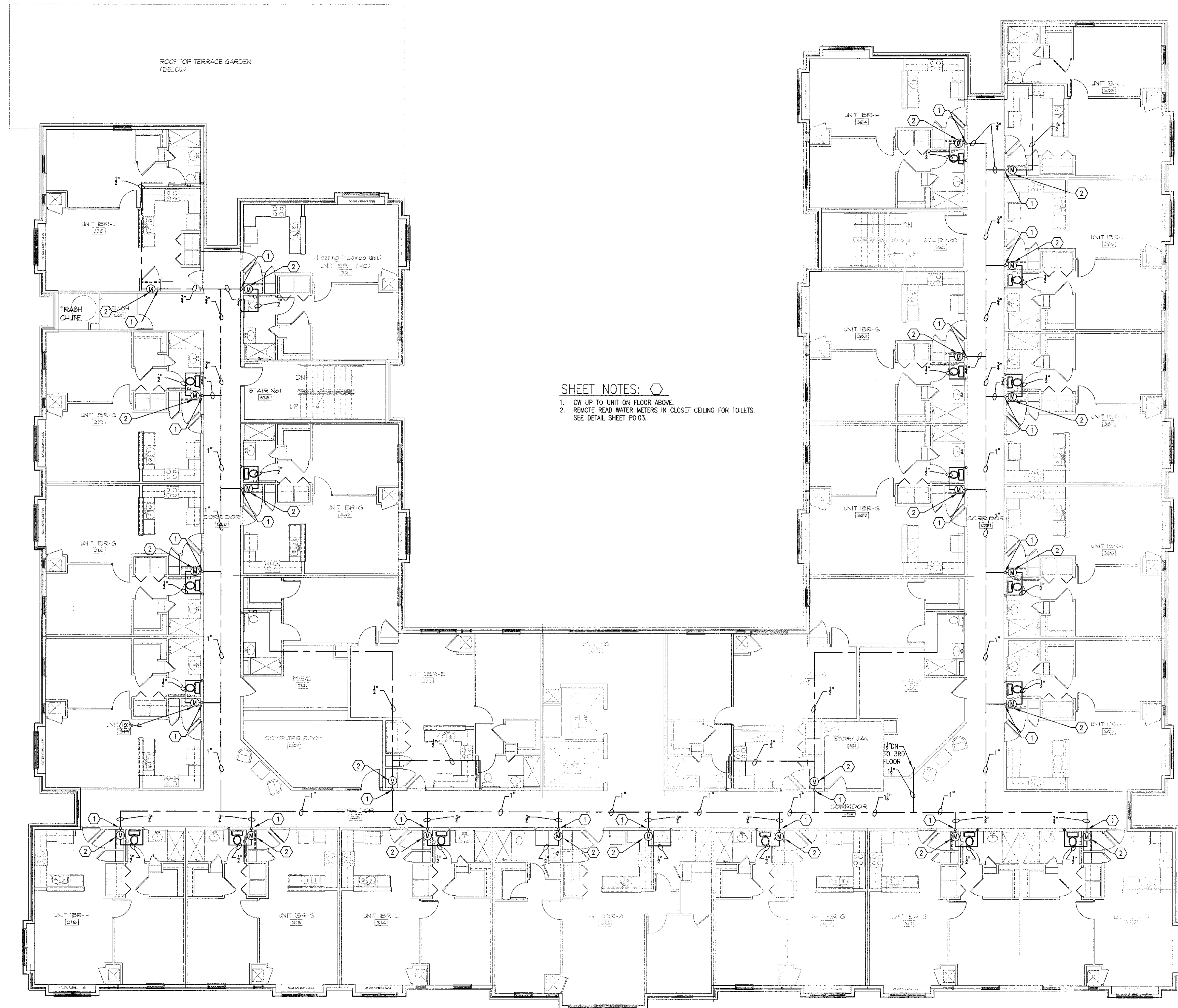
Project No. **AH00132.00**  
File Name  
Scale 1/8" = 1'-0" Date August 1, 2011  
Drawing Title

**FLOOR PLAN - THIRD FLOOR PLUMBING WATER**

Sheet Number **P1.03A**

Professional of Record: **Stewart Allen**  
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**SHEET NOTES:**

1. CW UP TO UNIT ON FLOOR ABOVE.
2. REMOVE READ WATER METERS IN CLOSET CEILING FOR TOILETS. SEE DETAIL SHEET P0.03.

**1 FLOOR PLAN - THIRD FLOOR**  
1/8" = 1'-0"

**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP**  
 ARCHITECTURE, INC.  
 2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackleford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH

**KEY PLAN**

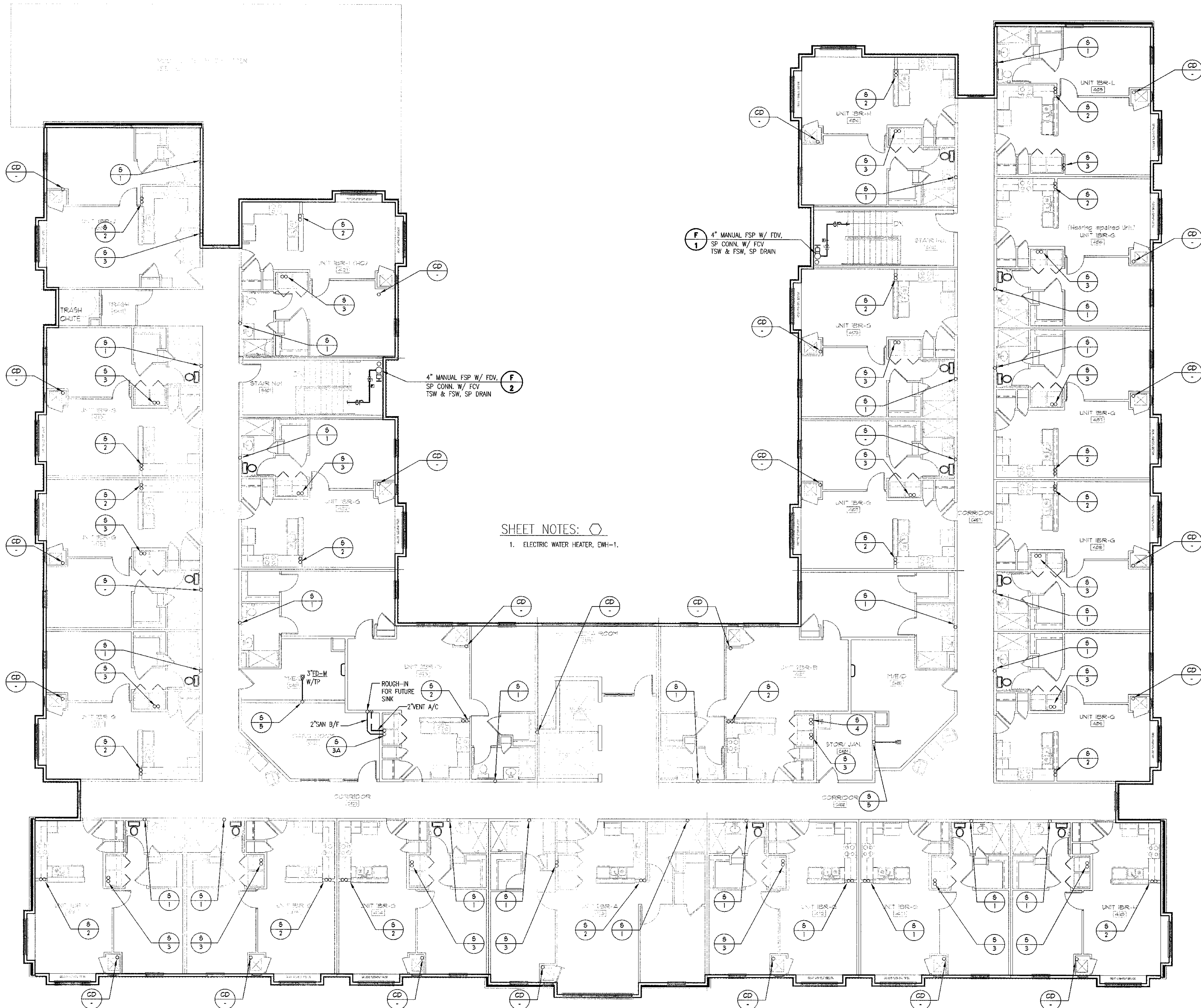
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1	Addendum#1	2/10/11

Project No. **AH00132.00**  
 File Name  
 Scale 1/8" = 1'-0" Date August 1, 2011  
 Drawing Title

**FLOOR PLAN - THIRD FLOOR**  
**PLUMBING WATER**  
 Sheet Number  
**P1.03AWC**

Professional of Record: **Stewart Allen**  
 Professional Registration No. GA 3981

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**SHEET NOTES:**

- ELECTRIC WATER HEATER, EWH-1.

**1 FLOOR PLAN - FOURTH FLOOR**  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
617 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

KEY PLAN		
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/19/11

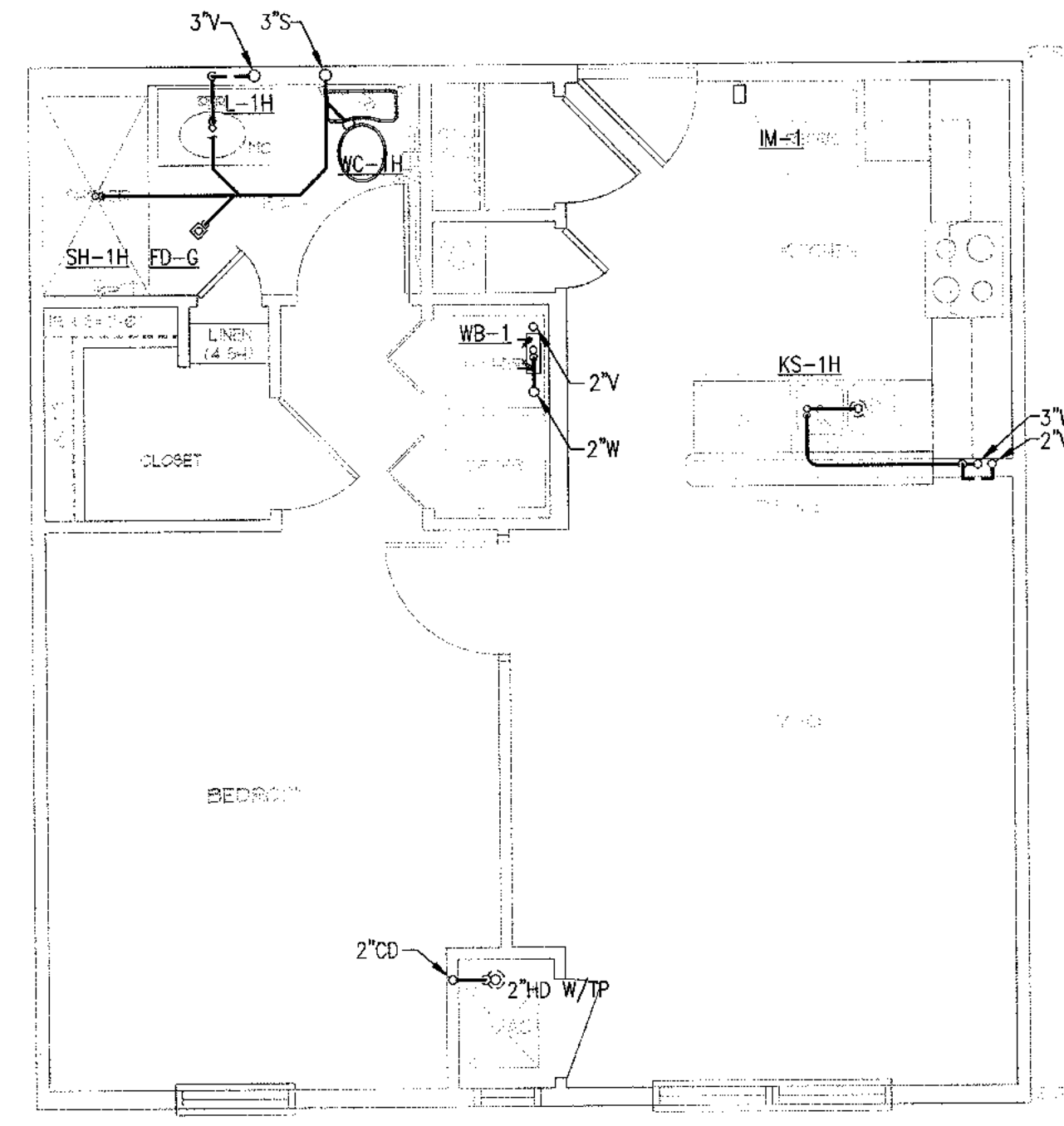
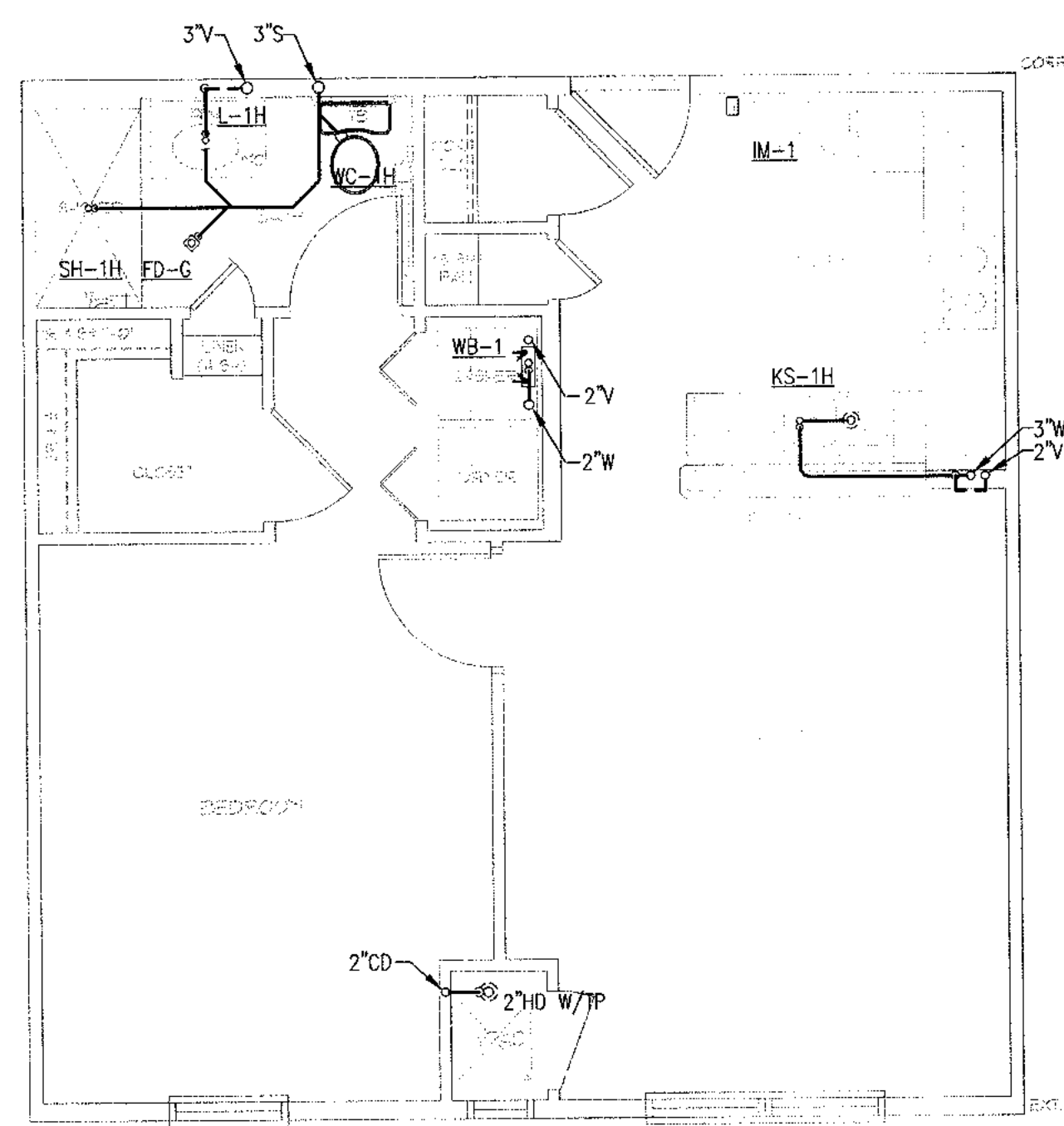
Project No. **AK08132.00**  
File Name  
Scale **1/8" = 1'-0"** Date August 1, 2011  
Drawing Title

**FLOOR PLAN - FOURTH FLOOR**

Sheet Number  
**P1.04**

Professional of Record: **Stewart Allen**  
Professional Registration No. GA 3051  
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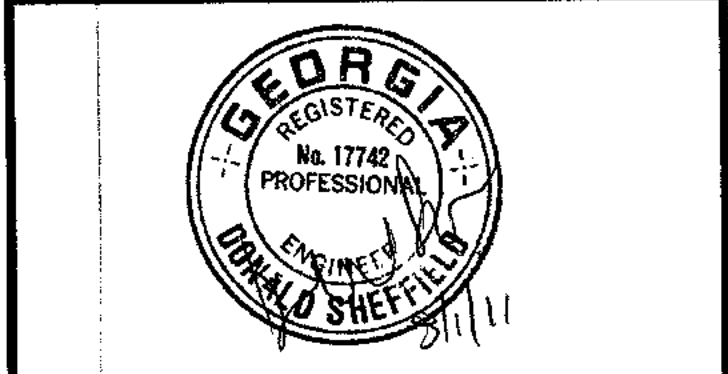
5 4 3 2 1



**NOTE:**  
WATER SUPPLY AND WATER PIPE SIZING SHOWN ON SHEETS P101A AND P103A.

**1** UNIT 1BR-A FLOOR PLAN - 589 SF (TYP.)  
1/4" = 1'-0"

**2** UNIT 1BR-A REFLECTED CEILING PLAN  
1/4" = 1'-0"



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

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**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-613-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

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1	Addendum1	2/10/11

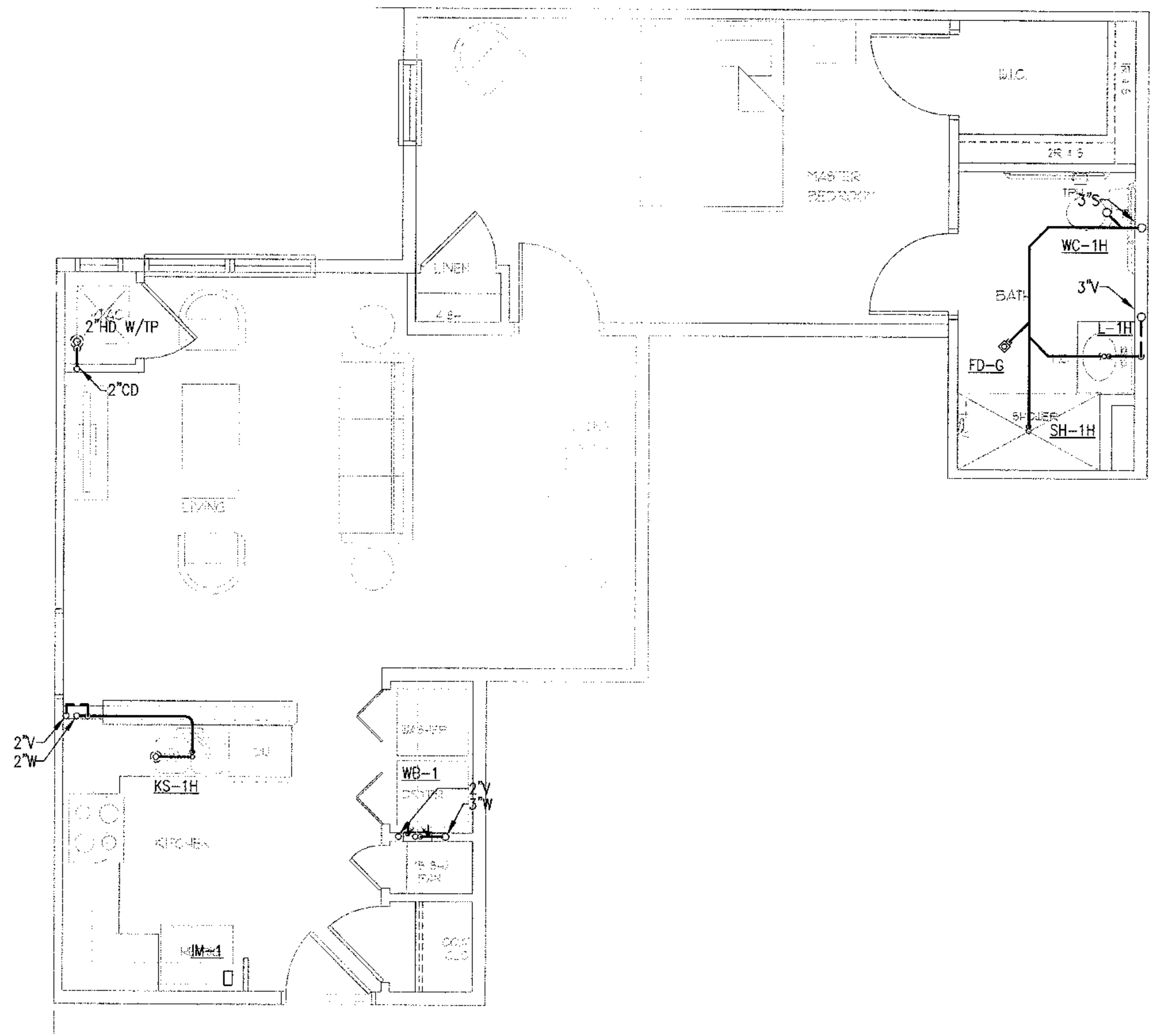
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Scale **1/8" = 1'-0"** Date August 1, 2011  
Drawing Title

**UNIT 1BR-A PLANS**

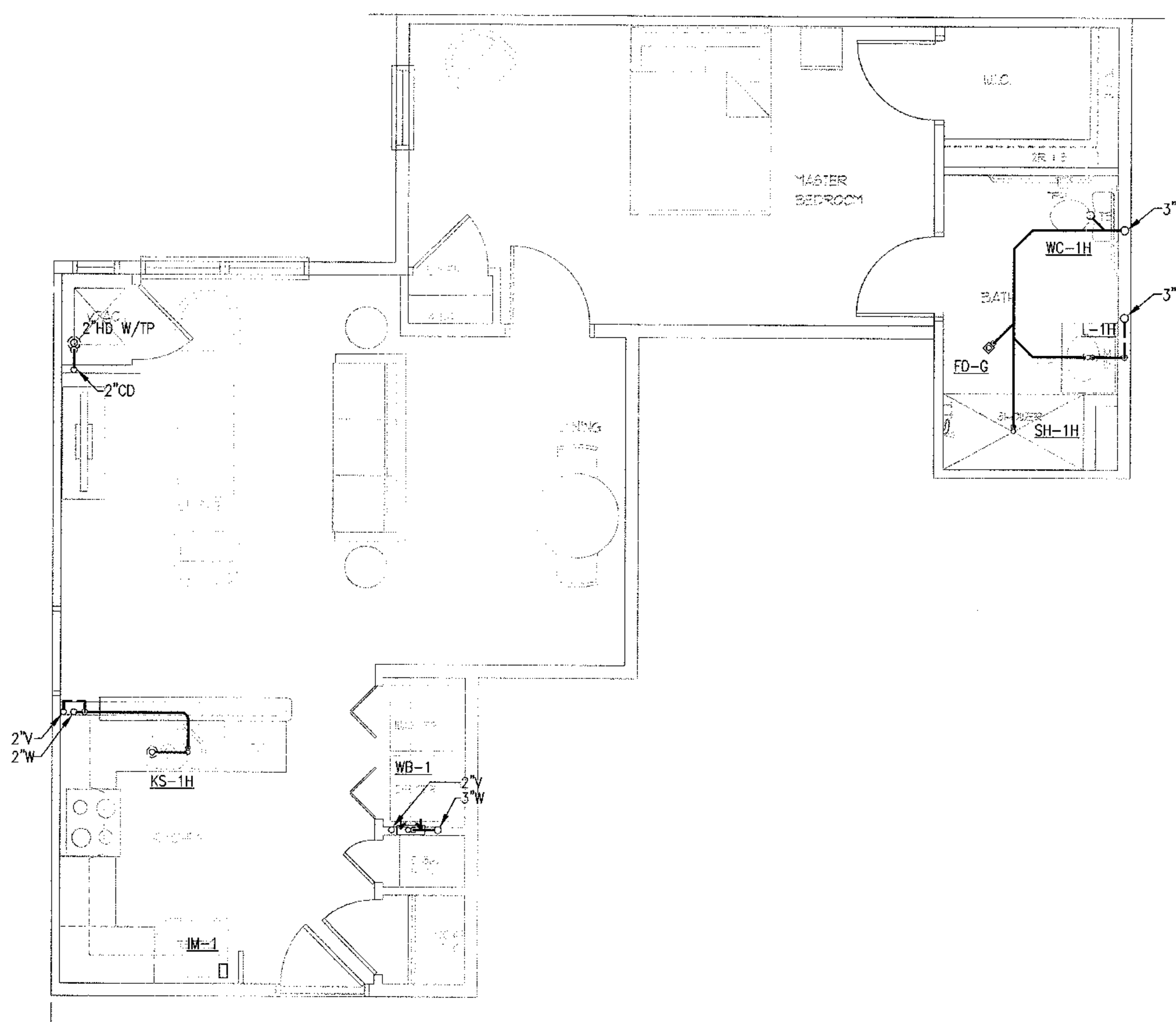
Sheet Number  
**P4.01**

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5 4 3 2 1



1 UNIT 1BR-B FLOOR PLAN - 666 SF  
1/4" = 1'-0"



2 UNIT 1BR-B REFLECTED CEILING PLAN  
1/4" = 1'-0"

NOTE:  
WATER SUPPLY AND WATER PIPE SIZING SHOWN ON SHEETS P101A AND P103A.



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750 Commerce Drive  
Decatur, Georgia 30030

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T: 404.233.4488 | F: 404.233.7386 | LIC. No. AA 0002442  
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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-613-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shepleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

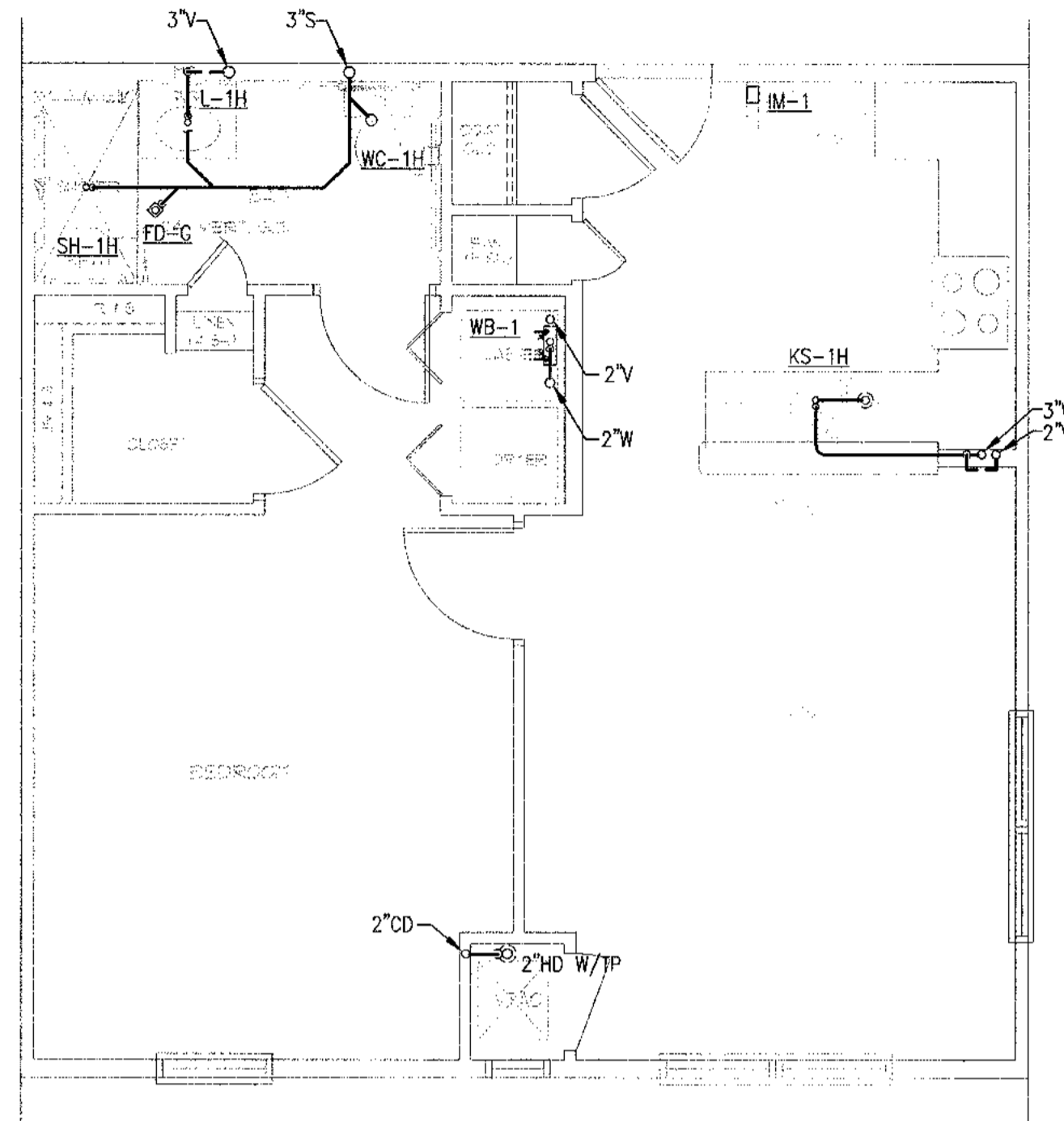
KEY PLAN		
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No. **AH09132.00**  
File Name  
Scale **1/8" = 1'-0"** Date **August 1, 2011**

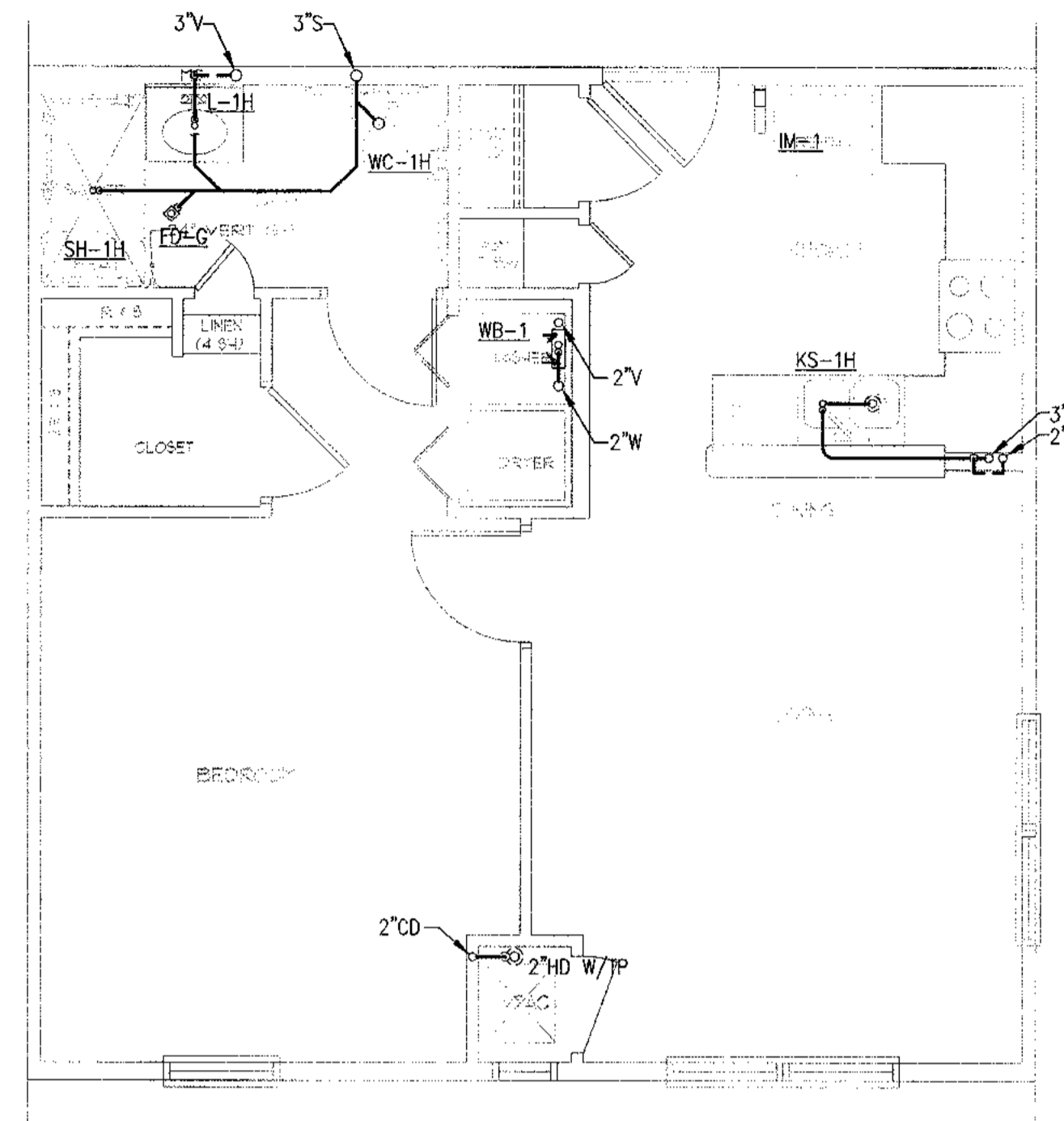
Drawing Title  
**UNIT 1BR-B PLANS**  
Sheet Number  
**P4.02**

Professional of Record: **Stewart Allen**  
Professional Registration No: **GA 3051**  
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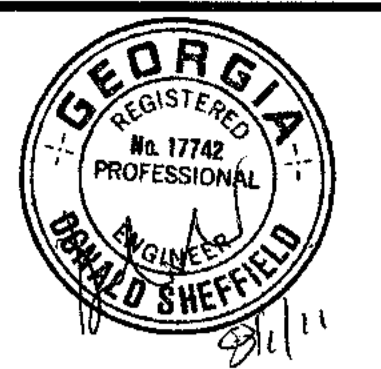


1 UNIT 1BR-C FLOOR PLAN - 614 SF  
1/4" = 1'-0"



2 UNIT 1BR-C REFLECTED CEILING PLAN  
1/4" = 1'-0"

NOTE:  
WATER SUPPLY AND WATER PIPE SIZING SHOWN ON SHEETS P101A AND P103A.



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750 Commerce Drive  
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**OLIVER HOUSE**  
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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-446-0262  
Contact: VERN SMITH

KEY PLAN

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3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/19/11

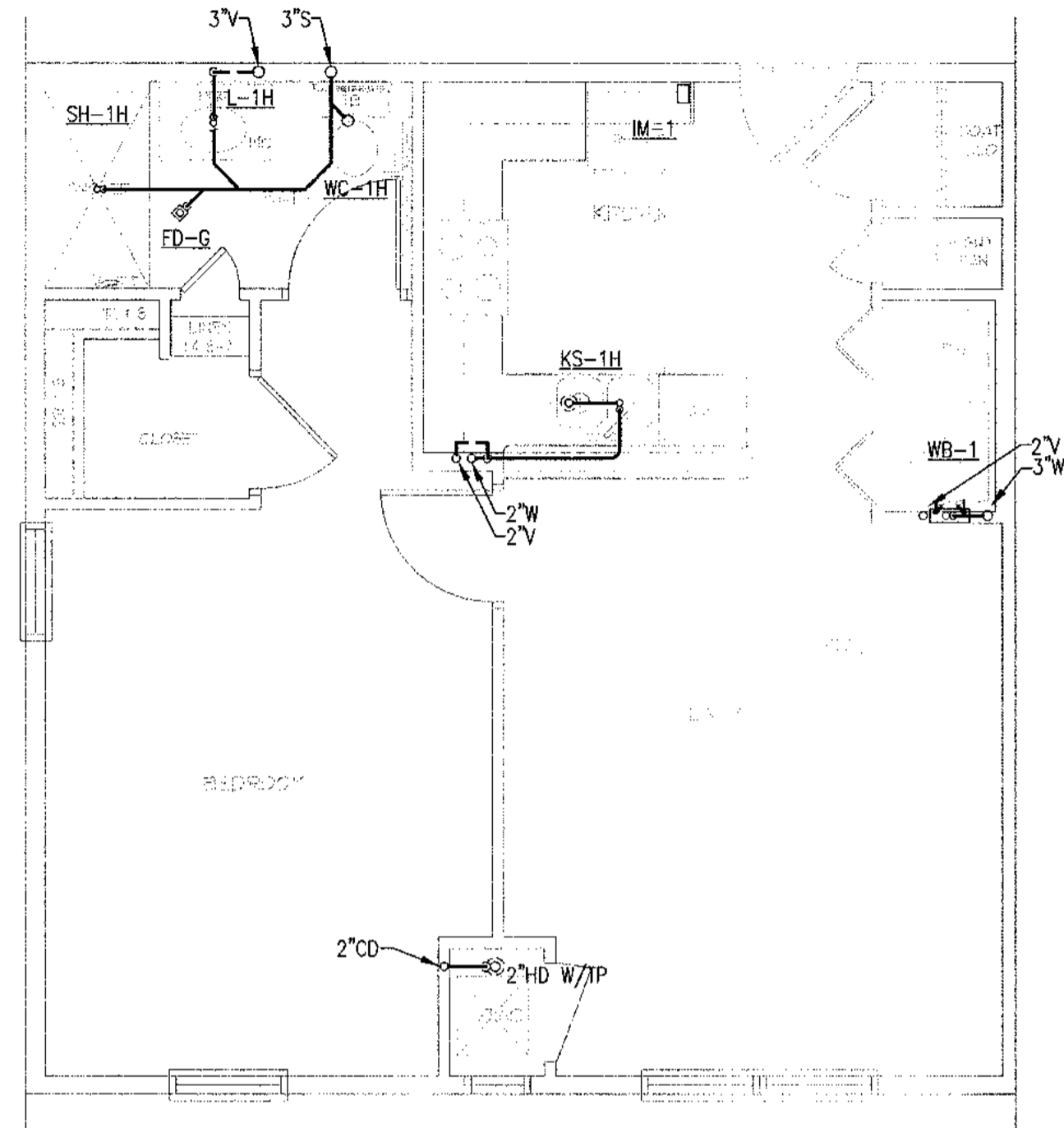
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File Name  
Scale **1/8" = 1'-0"** Date August 1, 2011  
Drawing Title

**UNIT 1BR-C PLANS**

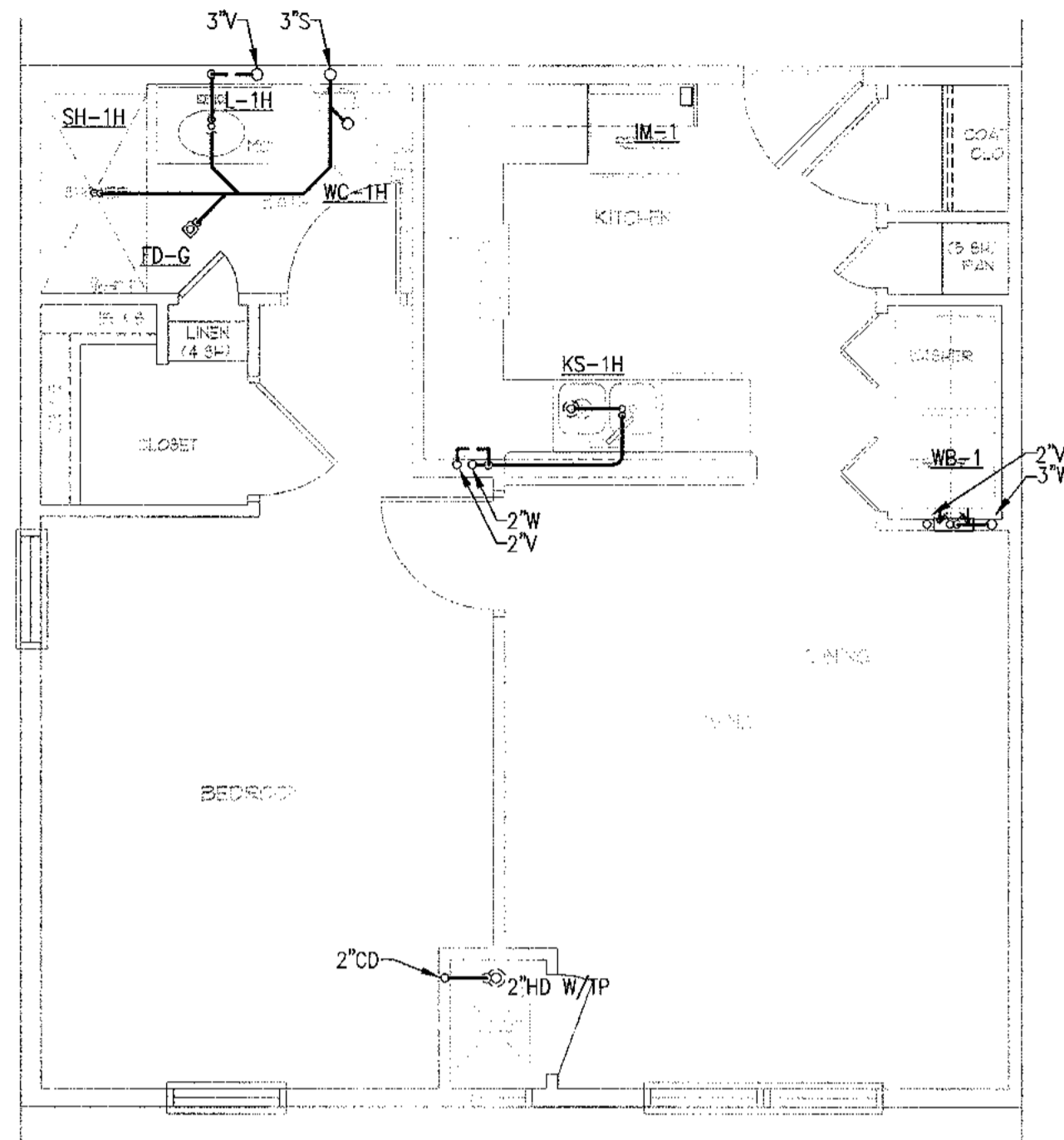
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1 UNIT 1BR-K FLOOR PLAN - 589 SF  
1/4" = 1'-0"



2 UNIT 1BR-K REFLECTED CEILING PLAN  
1/4" = 1'-0"

NOTE:  
WATER SUPPLY AND WATER PIPE SIZING SHOWN ON SHEETS P101A AND P103A.



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750 Commerce Drive  
Decatur, Georgia 30030

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**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250 SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

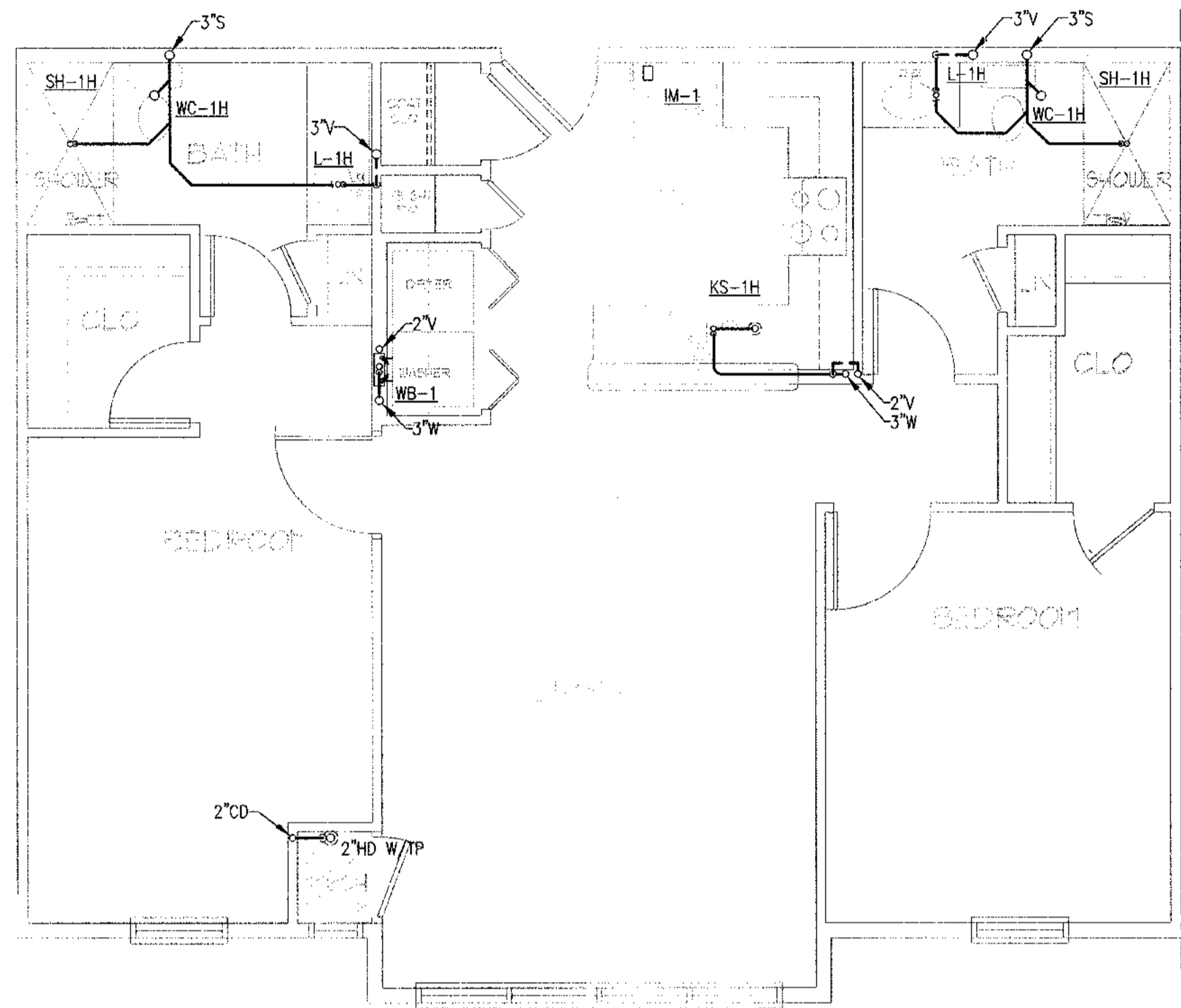
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Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/2/11
1	Addendum#1	2/10/11

Project No. **AH00132.00**  
File Name  
Scale **1/8" = 1'-0"** Date **August 1, 2011**  
Drawing Title

**UNIT 1BR-K  
PLANS**

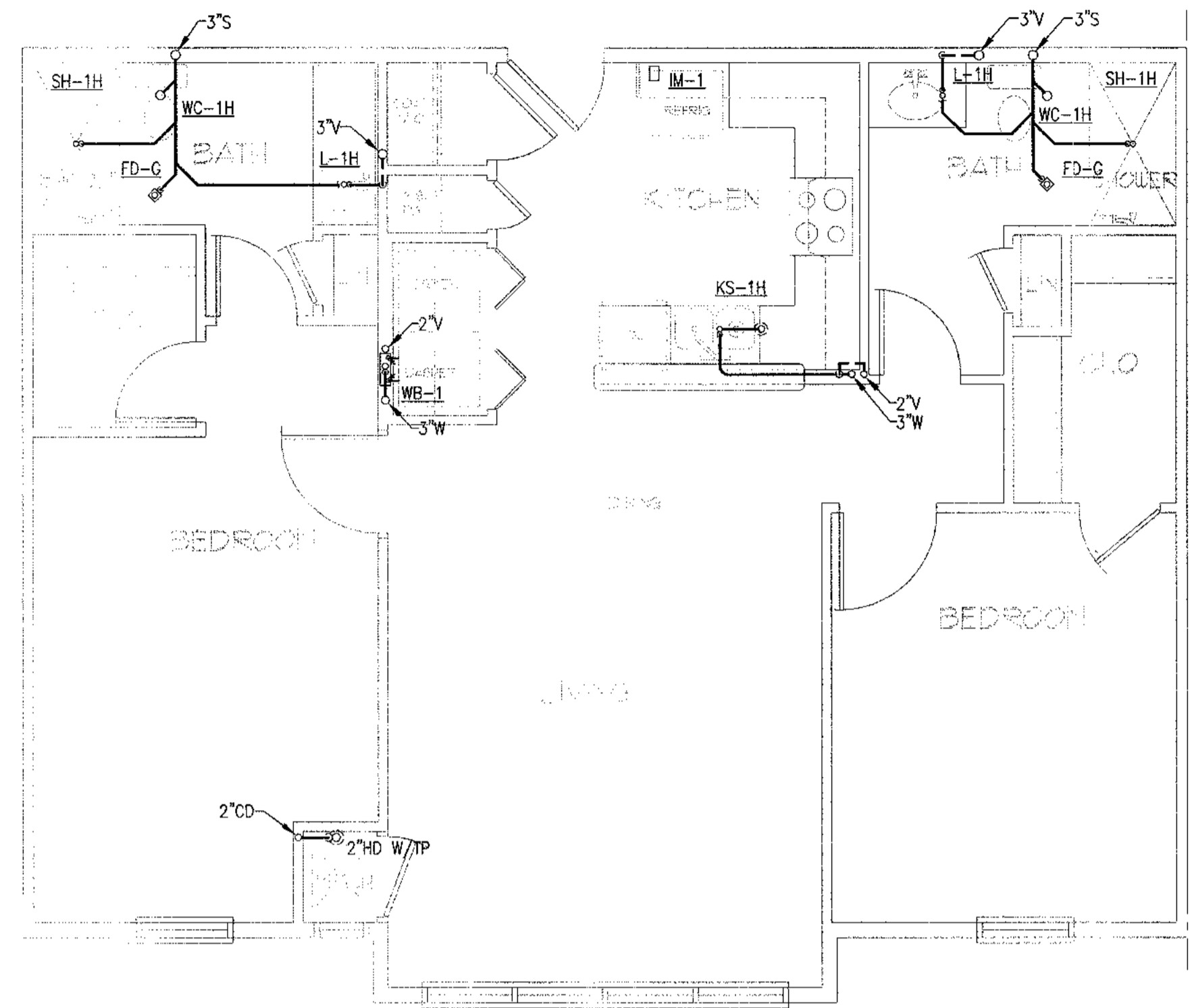
Sheet Number  
**P4.04**

Professional of Record: **Shawnt Allen**  
Professional Registration No: **GA 3051**  
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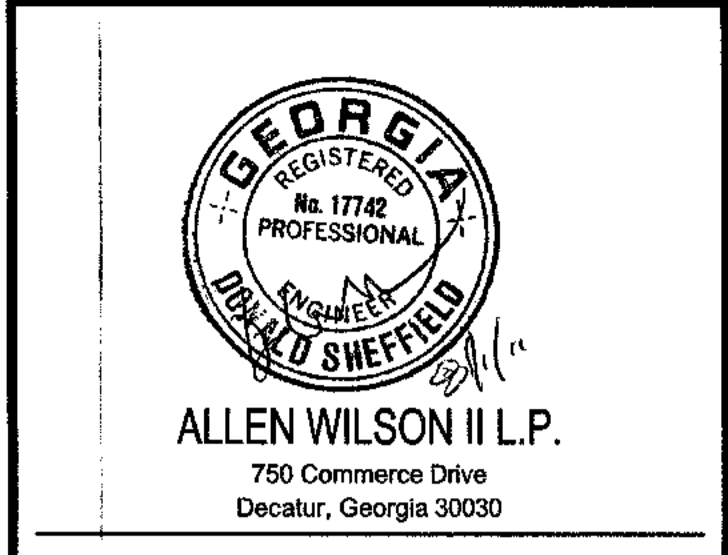


1 UNIT 2BR-A FLOOR PLAN - 922 SF  
1/4" = 1'-0"

NOTE:  
WATER SUPPLY AND WATER PIPE SIZING SHOWN ON SHEETS P101A AND P103A.



2 UNIT 2BR-A REFLECTED CEILING PLAN  
1/4" = 1'-0"



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817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6260, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-513-4242  
Contact : JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0282  
Contact: VERN SMITH

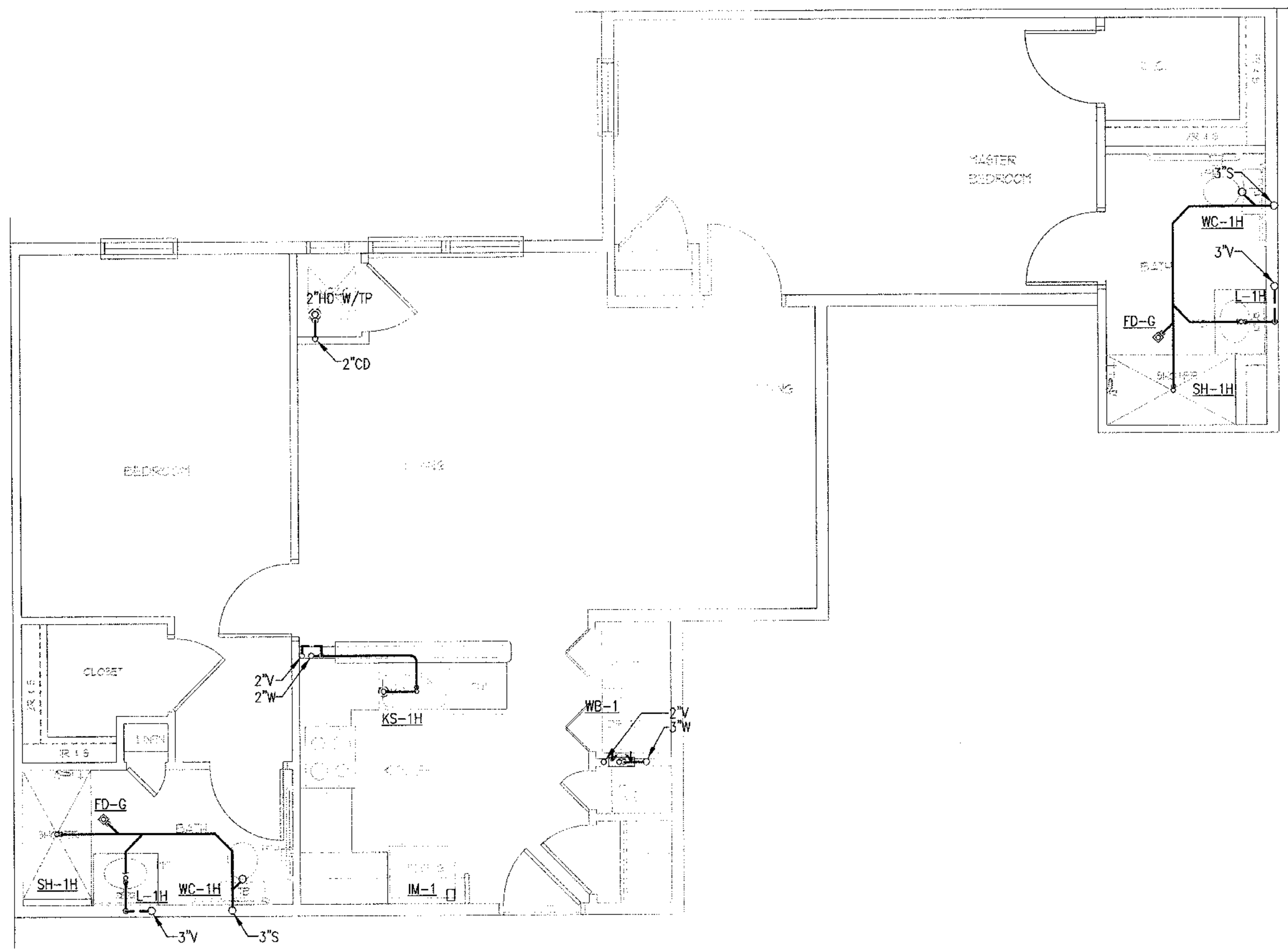
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Revision	Description	Date
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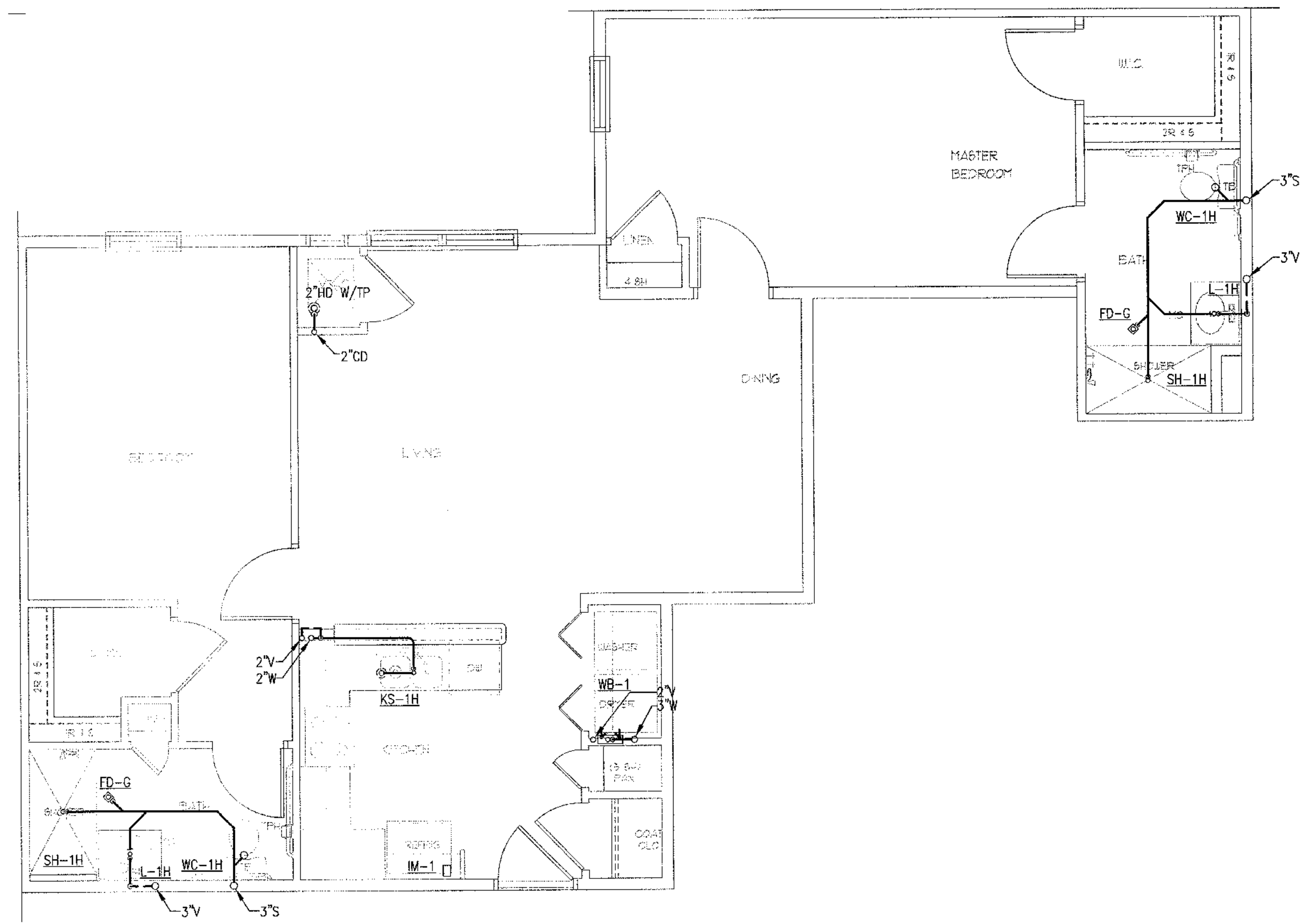
Drawing Title  
**UNIT 2BR-A PLANS**

Sheet Number  
**P4.05**

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1 UNIT 2BR-B FLOOR PLAN - 925 SF  
1/4" = 1'-0"



2 UNIT 2BR-B REFLECTED CEILING PLAN  
1/4" = 1'-0"

NOTE:  
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750 Commerce Drive  
Decatur, Georgia 30030

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KIMLEY HORN AND ASSOCIATES, INC.  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
PH: 678-613-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shankleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
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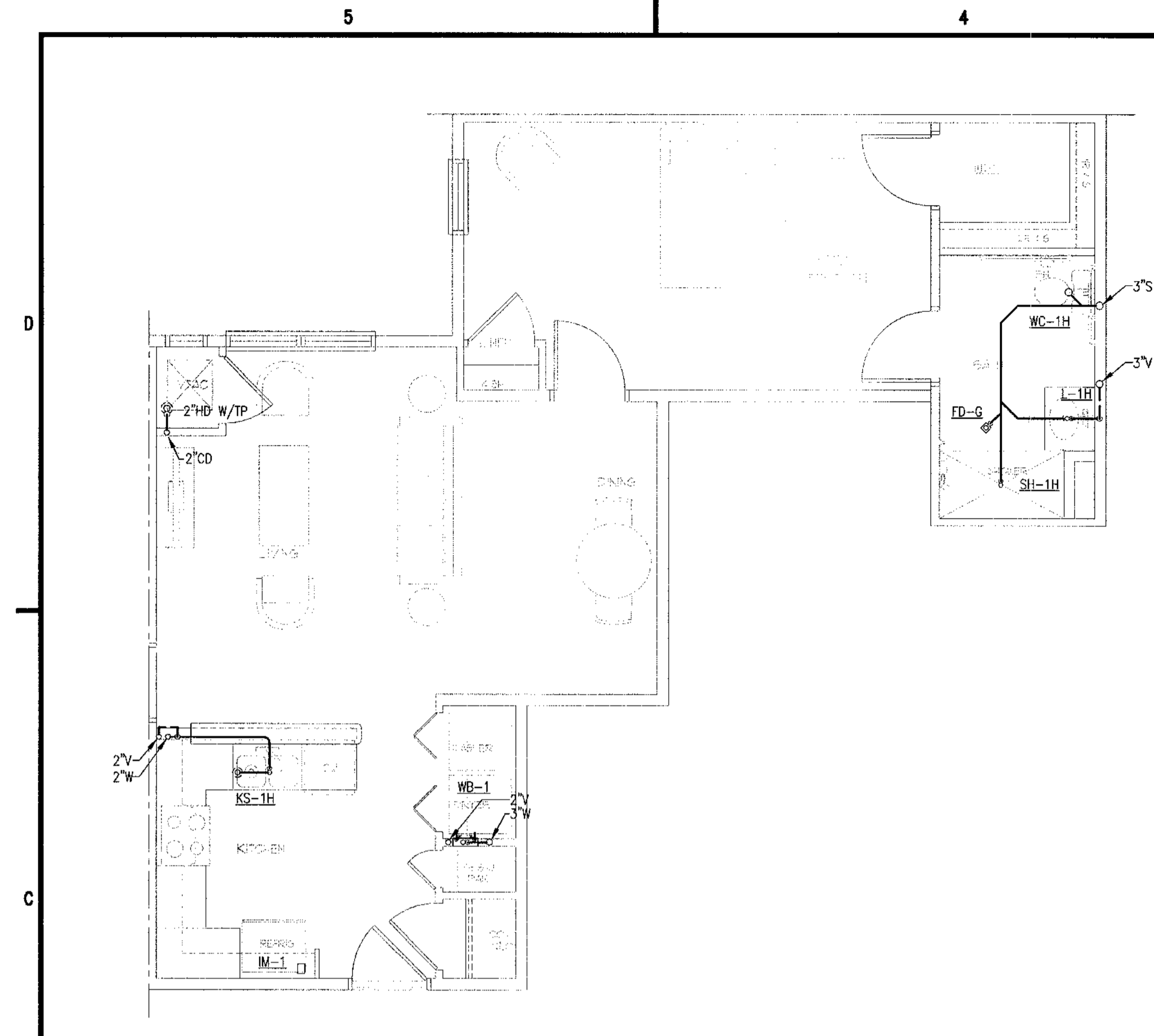
Project No. **#109132.00**  
File Name  
Scale **1/8" = 1'-0"** Date August 1, 2011  
Drawing Title

**UNIT 2BR-B PLANS**

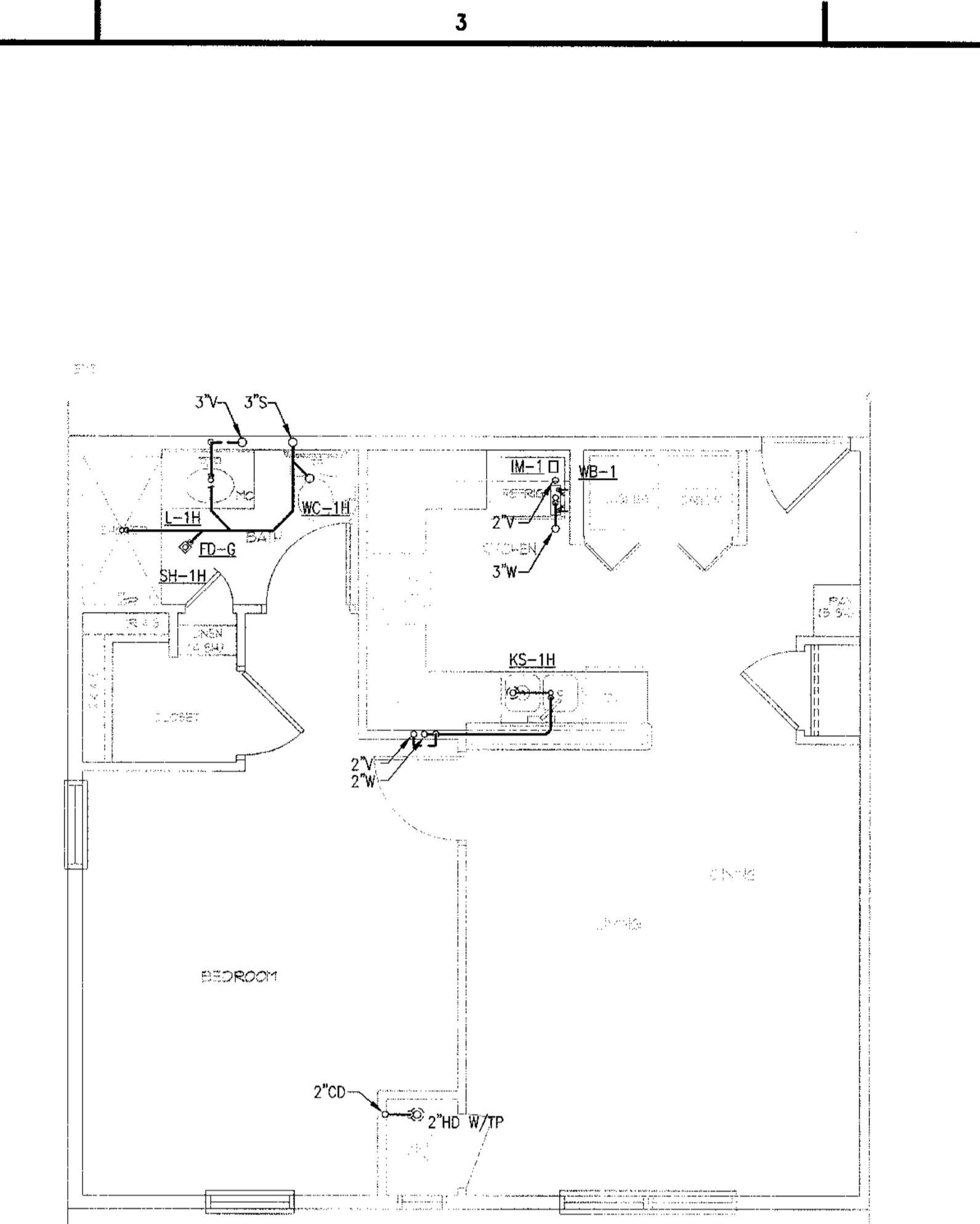
Sheet Number **P4.06**

Professional of Record: **Stewart Wilson**  
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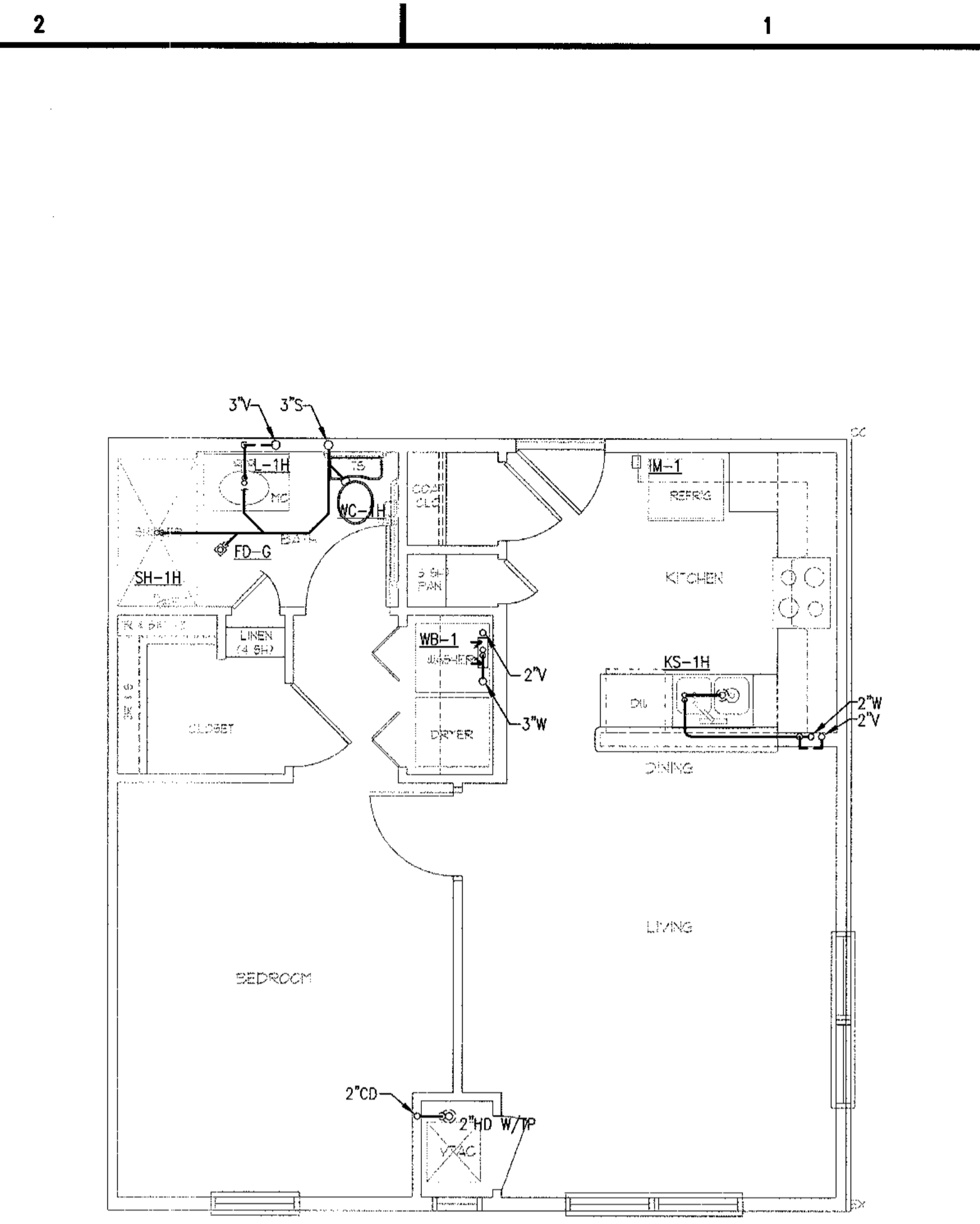


1 UNIT 1BR-D FLOOR PLAN - 666 SF - HC UNIT, SIM TO 1BR-B  
1/4" = 1'-0"

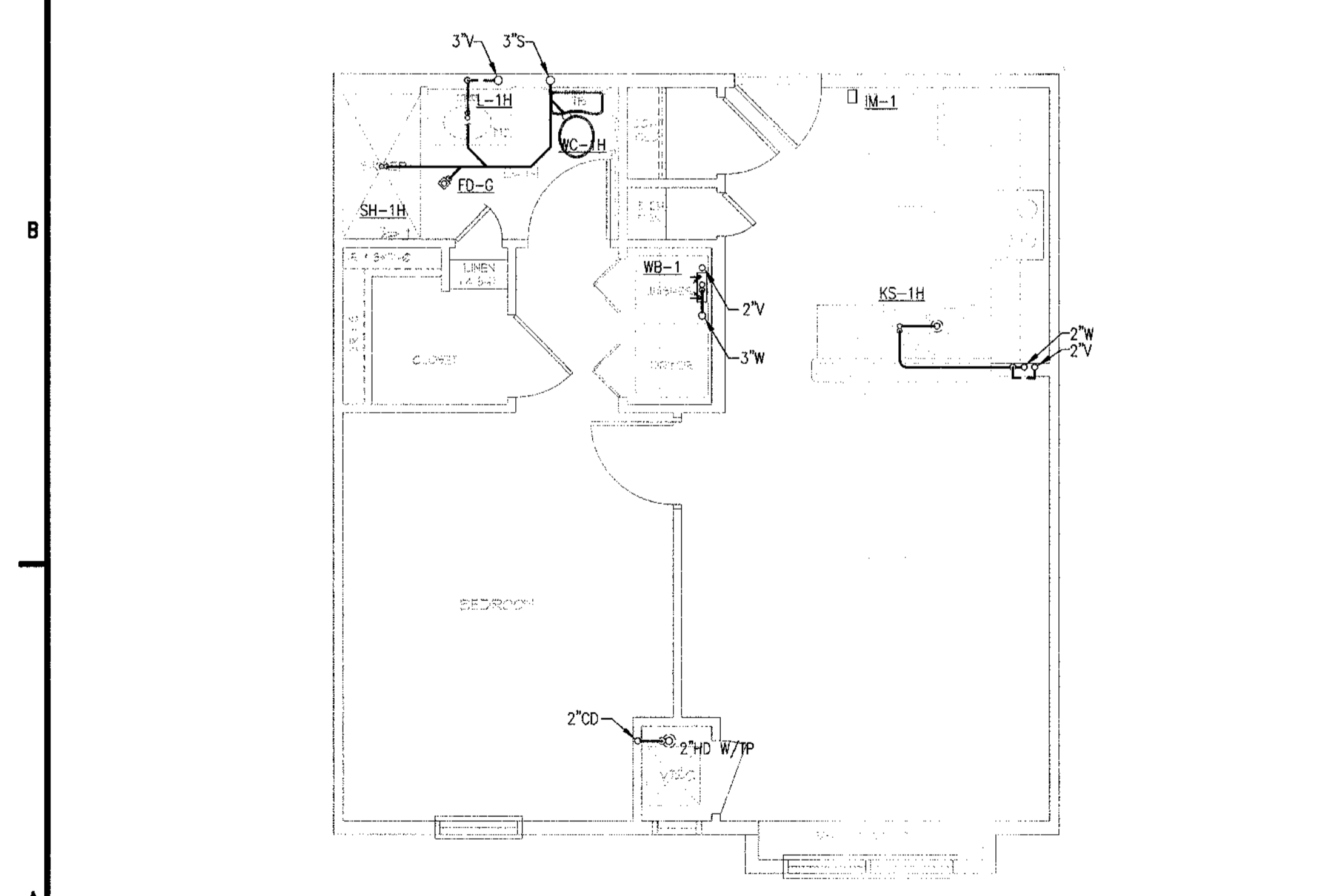


2 UNIT 1BR-E FLOOR PLAN - 614 SF - HC UNIT, SIM TO 1BR-C  
1/4" = 1'-0"

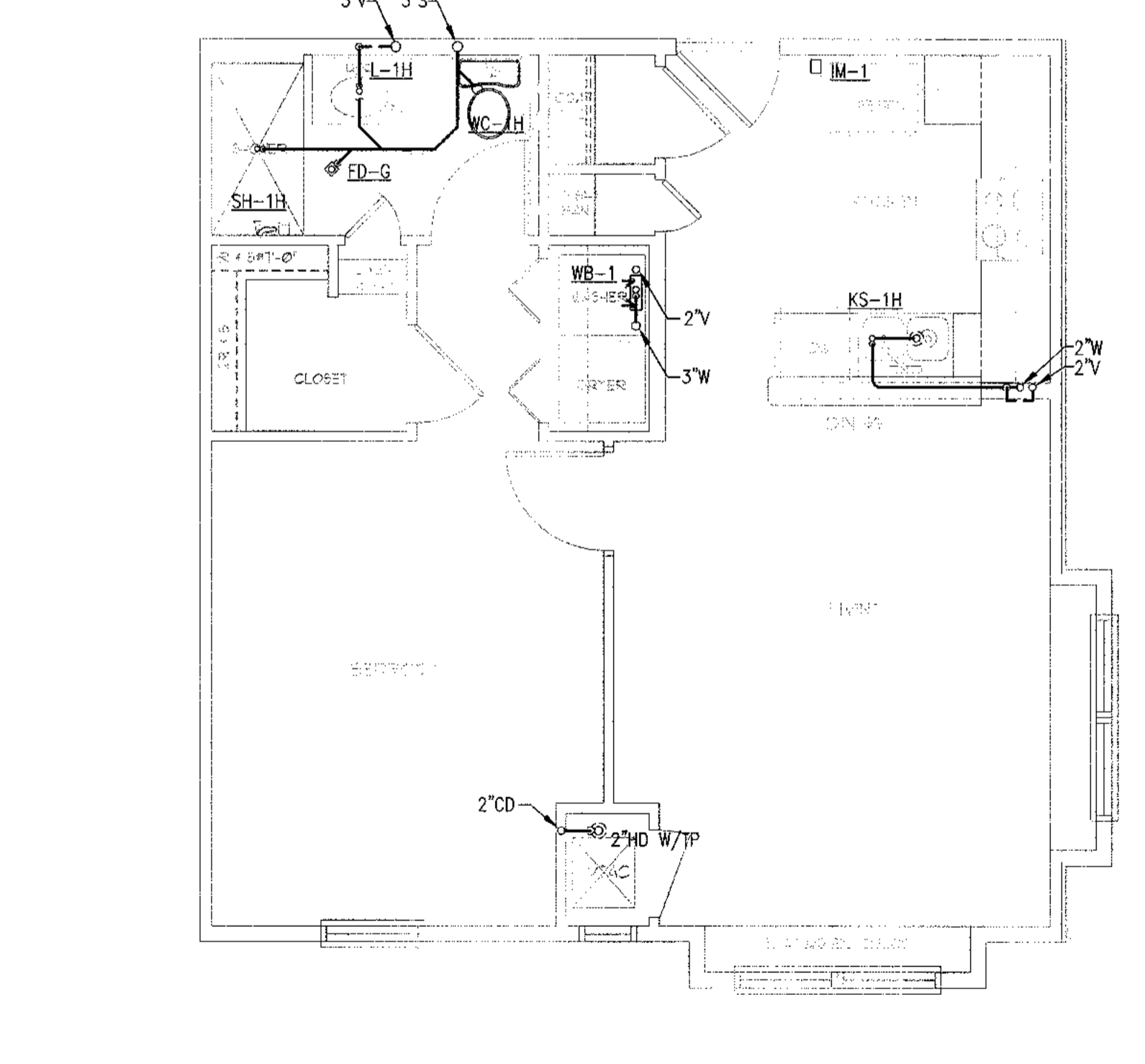
NOTE:  
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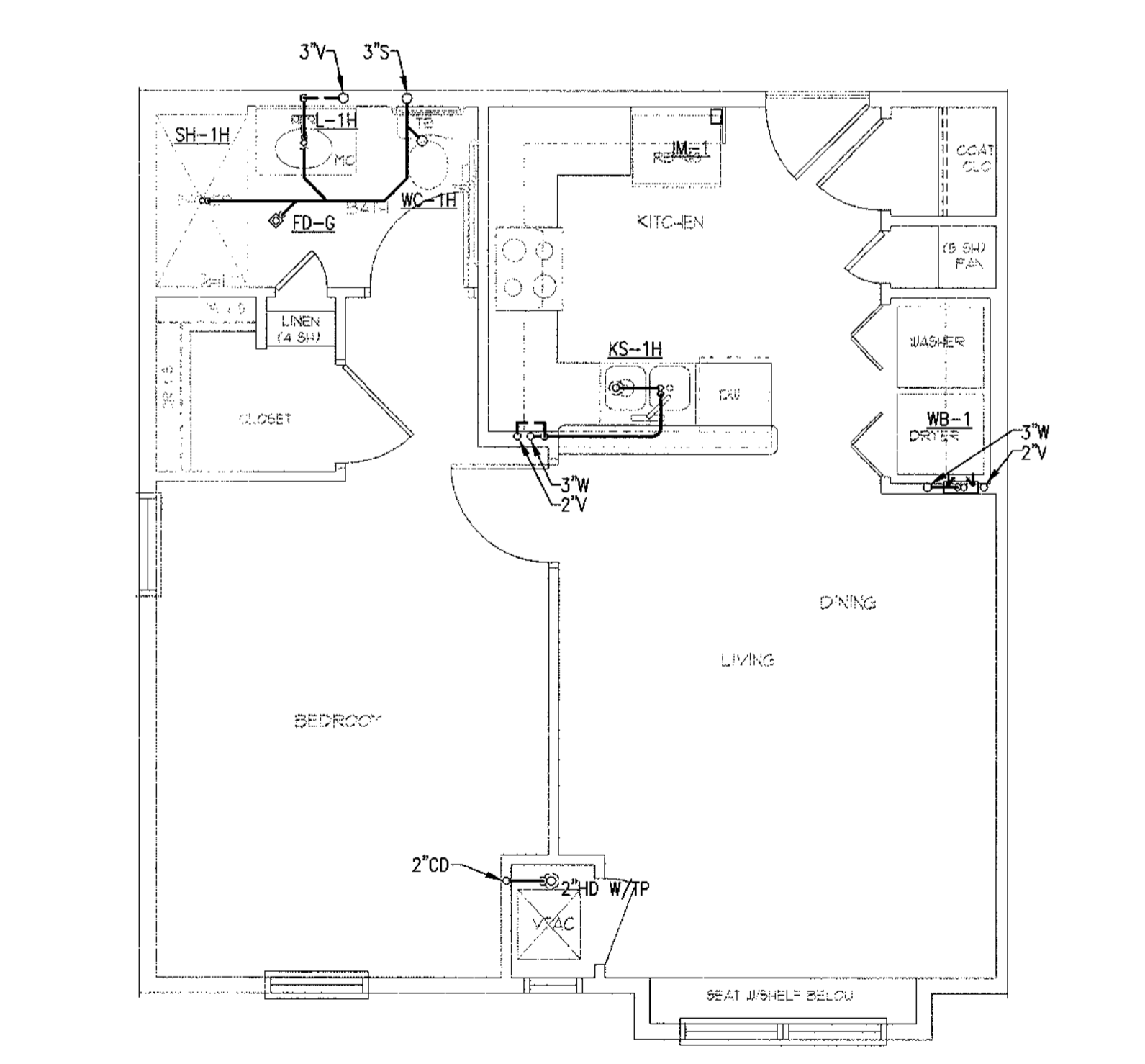
3 UNIT 1BR-F FLOOR PLAN - 589 SF - SIM TO 1BR-A  
1/4" = 1'-0"



4 UNIT 1BR-G FLOOR PLAN - 599 SF - SIM TO 1BR-A  
1/4" = 1'-0"



5 UNIT 1BR-H FLOOR PLAN - 610 SF - SIM TO 1BR-A  
1/4" = 1'-0"



6 UNIT 1BR-I FLOOR PLAN - 634 SF - HC UNIT, SIM TO 1BR-C  
1/4" = 1'-0"

**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030  
 ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP**  
 ARCHITECTURE, INC.  
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 Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY  
 Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250 SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 PH: 678-513-4242  
 Contact: JOHN FLANNIGAN  
 Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackleford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
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KEY PLAN

Revision	Description	Date
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Project No. **AH00132.00**  
 File Name  
 Scale **1/8" = 1'-0"** Date August 1, 2011  
 Drawing Title  

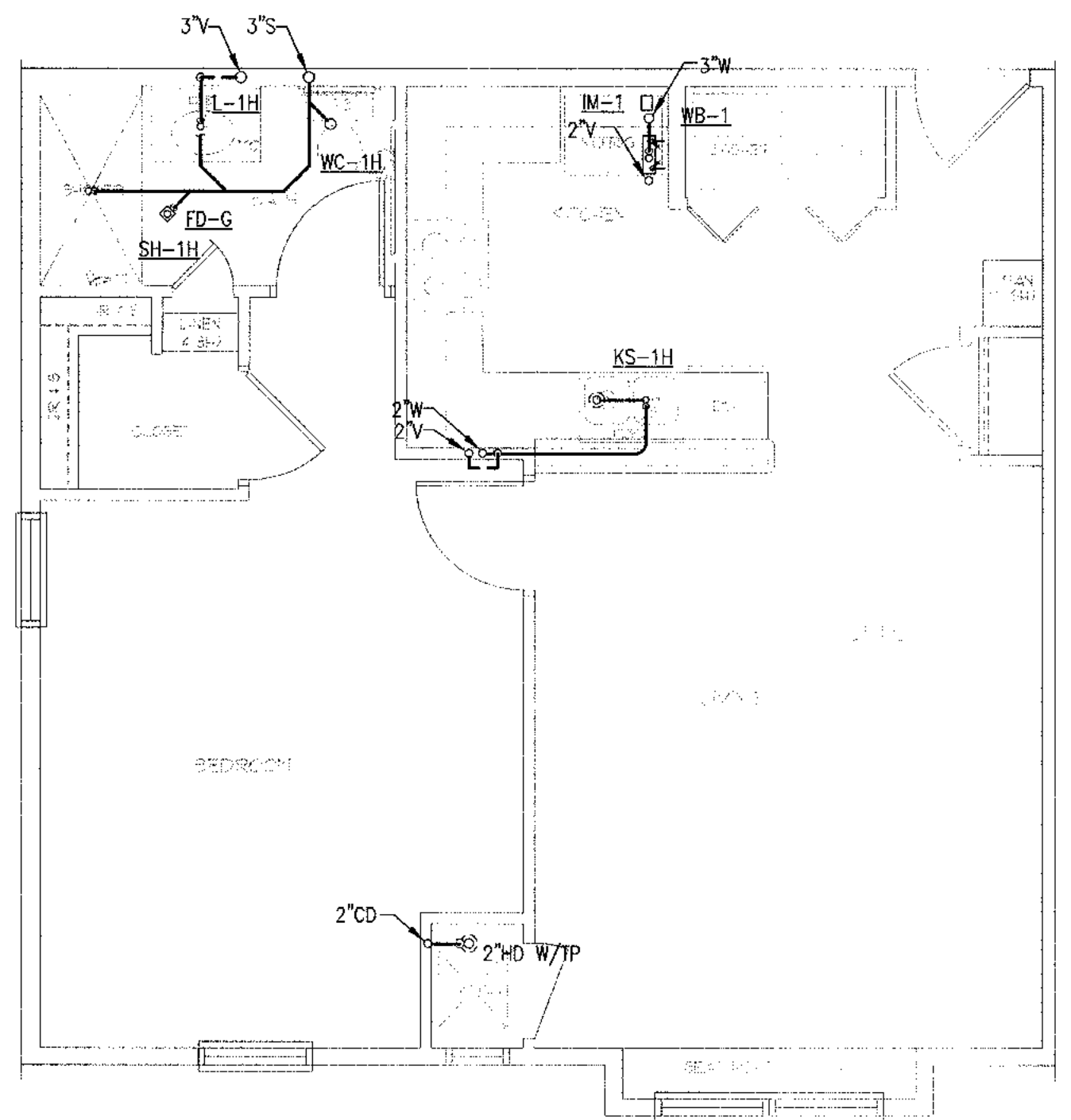
## UNIT PLANS

  
 Sheet Number  

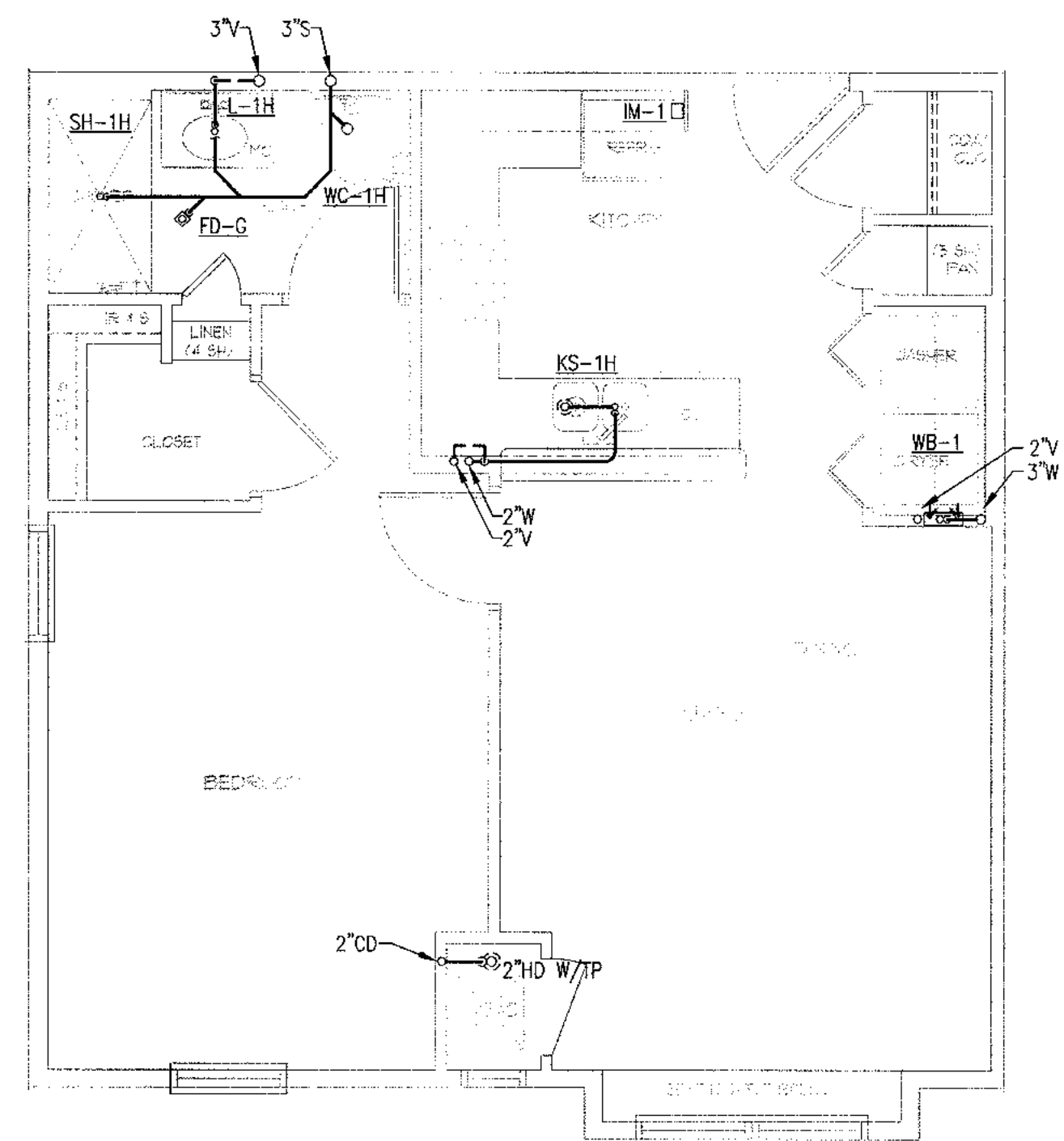
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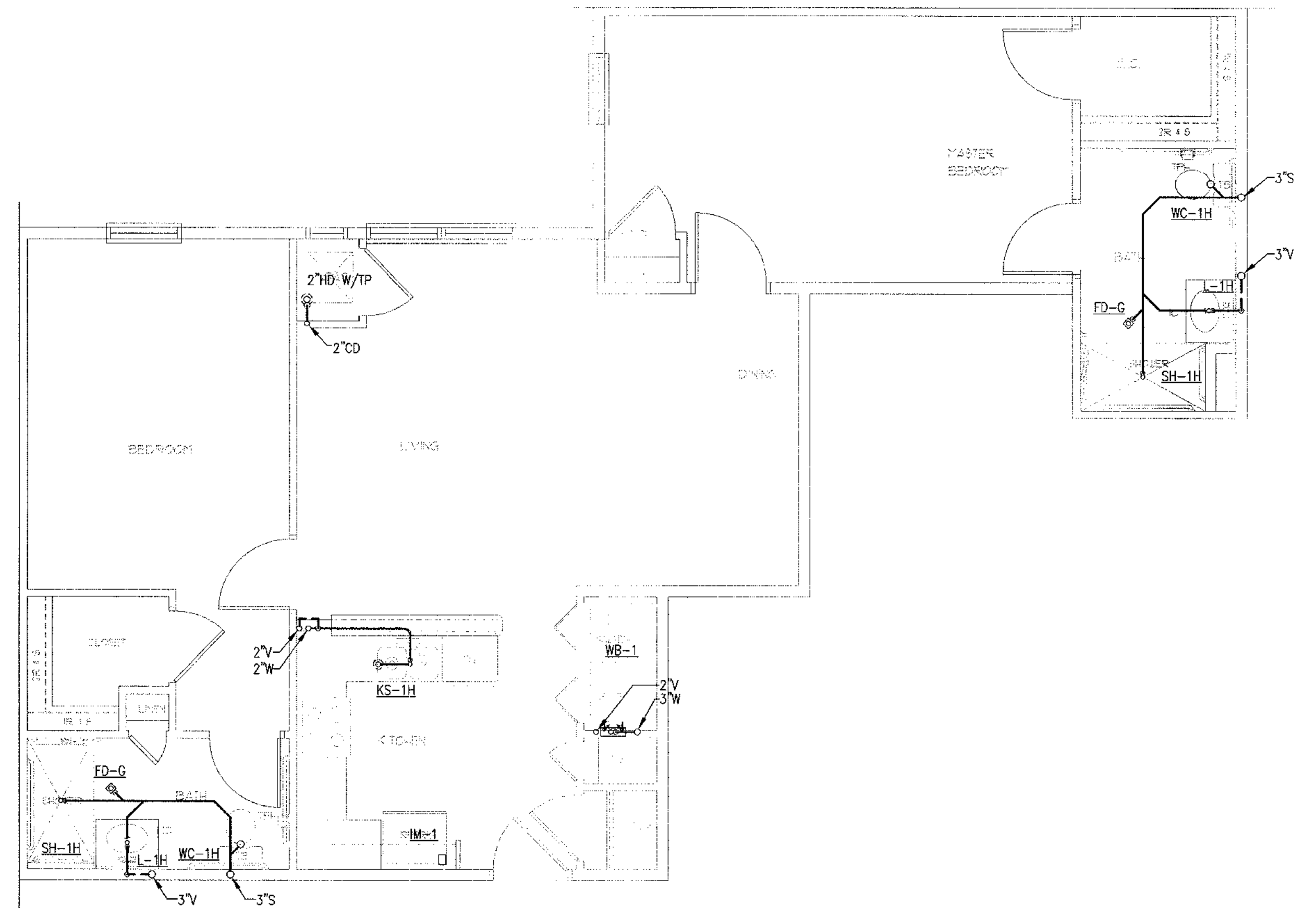
1 UNIT 1BR-J FLOOR PLAN - 599 - SIM TO 1BR-A  
1/4" = 1'-0"



2 UNIT 1BR-L FLOOR PLAN - 599 - SIM TO 1BR-K  
1/4" = 1'-0"

NOTE:  
WATER SUPPLY AND WATER PIPE SIZING SHOWN ON SHEET P

B



3 UNIT 2BR-C FLOOR PLAN - 925 SF - HC UNIT, SIM TO 2BR-B  
1/4" = 1'-0"

A



ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30395  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30309 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6280, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-613-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

KEY PLAN		
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/18/11

Project No. **HW0132.00**

File Name  
Scale: 1/8" = 1'-0" Date: August 1, 2011

Drawing Title  
**UNIT PLANS**

Sheet Number  
**P4.11**

Professional of Record: **Stewart Allen**  
Professional Registration No: GA 3051  
Seal:

This drawing contains information to be used exclusively for the production of Contract Documents for this Project. The Contract Documents of record are with those in paper, when or after produced by HADP Architecture, Inc. and they bear our professional seal and our signature.

File Path

### ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	HEIGHT
\$	SINGLE POLE SINGLE THROW TOGGLE SWITCH (NOTE L-1)	46"
\$3/\$4	THREE-WAY TOGGLE SWITCH/FOUR-WAY TOGGLE SWITCH (NOTE L-1)	46"
\$u	MOTOR RATED SWITCH	
⊗	COMBINATION MOTION SENSOR/SWITCH (NOTE L-1)	46"
\$T	TIMER SWITCH	46"
D	DIMMER SWITCH (NOTE L-1)	46"
D3	THREE-WAY DIMMER SWITCH (NOTE L-1)	46"
⊕	DUPLEX / QUAD RECEPTACLE OUTLET (NOTE L-1)	18"
⊕/⊕	DUPLEX / QUAD RECEPTACLE OUTLET ABOVE COUNTER (NOTE L-1)	43"
⊕	ISOLATED GROUND DUPLEX RECEPTACLE OUTLET	18"
⊕	SPECIAL PURPOSE RECEPTACLE OUTLET, NEMA CONFIGURATION TO MATCH PLUG. (NOTE L-1)	18"
⊕	SPLIT WIRED DUPLEX RECEPTACLE. ONE RECEPTACLE SHALL BE SWITCHED AS SHOWN ON PLANS (NOTE L-1)	18"
⊕/⊕	DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED/FLOOR MOUNTED	
⊕/⊕	JUNCTION BOX, CEILING/WALL/FLOOR MOUNTED	
X-1,3,5	ARROWHEAD INDICATES HOMERUN. X-1,3,5 ADJACENT TO HOMERUN	
3,5	ARROWHEADS INDICATES HOMERUN TO PANEL X CIRCUIT NUMBERS 1,3, AND 5.	
	INDICATES CIRCUIT CONTINUATION OF CIRCUITS 3 AND 5 OF PANEL X.	
	MARKS ACROSS RACEWAY SYMBOLS INDICATE THE NUMBER OF #12 CONDUCTORS (2 PHASE, 1 NEUTRAL) UNLESS OTHERWISE NOTED. NO MARKS INDICATES TWO #12 CONDUCTORS. EQUIPMENT GROUNDING CONDUCTORS ARE NOT INDICATED BY MARKS.	
	RACEWAY/CABLE CONCEALED IN WALL AND/OR ABOVE CEILING	
	RACEWAY CONCEALED BELOW GRADE OR IN-SLAB	
	RACEWAY/CABLE CONCEALED IN WALL AND/OR ABOVE CEILING - EMERGENCY CIRCUIT	
	RACEWAY INSTALLED EXPOSED	
	GROUNDING CONNECTION (SYSTEM AND/OR EQUIPMENT)	
	CONDUIT TURNING UP/DOWN	
	CONDUIT STUB. TERMINATE IN INSULATED BUSHING OR CAP IF UNDERGROUND	
	FLUORESCENT LIGHTING FIXTURE, 2X4, 1X4, 2X2	
	FLUORESCENT LIGHTING FIXTURE, 2X4, 1X4, 2X2 - PROVIDING EMERGENCY ILLUMINATION	
○/○	LIGHTING FIXTURE - OVERHEAD/WALL MOUNTED	
●/●	EMERGENCY LIGHTING FIXTURE - OVERHEAD/WALL MOUNTED	
○-	FLUORESCENT STRIP FIXTURE - OVERHEAD/WALL MOUNTED	
+	DIRECTIONAL OR WALL WASH LIGHTING FIXTURE	
+	LIGHT TRACK AND LIGHT TRACK FIXTURES	
●-□	POLE MOUNTED LIGHT FIXTURE WITH ARM. SEE PLANS FOR NUMBER OF LUMINAIRES.	
○	POST TOP OR BOLLARD LIGHT FIXTURE	
✂	CEILING/PENDANT MOUNTED PADDLE FAN	
⊕/⊕	EXIT SIGN, CEILING/WALL MOUNTED. PROVIDE ARROWS AS INDICATED ON DRAWINGS	
⊕	EMERGENCY LIGHTING FIXTURE	
▬	PANELBOARD - WALL MOUNTED (RECESSED)	
▬	PANELBOARD - WALL MOUNTED (SURFACE)	
⊕	MOTOR	
60/3/3R	NONFUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE	
60/3/3R/40	FUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE/FUSE RATING	
CT	CURRENT TRANSFORMER CABINET	
⊕	POWER METER AND SOCKET	
⊕	FIRE ALARM MANUAL STATION	46"
EM110	FIRE ALARM SPEAKER WITH VISUAL DEVICE (NOTE L-3). NUMERAL INDICATES CANDELA RATING	
EM	FIRE ALARM SPEAKER (NOTE L-3)	
EM110	FIRE ALARM VISUAL DEVICE (NOTE L-3). NUMERAL INDICATES CANDELA RATING	
▽	FIREMAN PHONE JACK	42"
▽	FIRE PHONE	42"
⊕/⊕	SMOKE DETECTOR (CEILING/WALL MOUNTED 4" MIN. AND 12" MAX. FROM CEILING)	
⊕	THERMAL DETECTOR, CEILING MOUNTED	
⊕	CONNECTION TO FIRE PROTECTION SYSTEM FLOW SWITCH	
⊕	CONNECTION TO FIRE PROTECTION SYSTEM TAMPER SWITCH	
⊕	FIRE ALARM CONNECTION TO SMOKE/FIRE DOOR HOLD-OPEN DEVICE	
⊕	DUCT MOUNTED SMOKE DETECTOR	
⊕	REMOTE STATION FOR DUCT MOUNTED SMOKE DETECTOR	
⊕/⊕	FIRE ALARM CONTROL PANEL, SURFACE/RECESSED	
⊕	FIRE ALARM ANNUNCIATOR PANEL, RECESSED	
▽/▽	TELEPHONE OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTES L-1, L-2)/FLOOR MOUNTED	18"/43"
▽/▽	COMBINATION TELEPHONE/DATA OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTE L-1, L-2)/FLOOR	18"/43"
▽/▽	DATA OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTE L-1, L-2)/FLOOR MOUNTED	18"/43"
⊕/⊕	TELEVISION OUTLET WALL MOUNTED (NOTE L-1)/CEILING MOUNTED/FLOOR MOUNTED	18"
<b>LEGEND NOTES</b>		
L-1 MOUNTING HEIGHTS NOTED ARE TO THE CENTER OF DEVICE ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE.		
L-2 STUB 3/4" CONDUIT 6" ABOVE ACCESSIBLE CEILING AND TERMINATE WITH NYLON GROMMET.		
L-3 FIRE ALARM VISUAL DEVICES SHALL BE WALL-MOUNTED 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. AUDIBLE ONLY DEVICES SHALL BE WALL-MOUNTED AT NOT LESS THAN 90" AFF AND NOT LESS THAN 6" BELOW CEILING.		

### ELECTRICAL ABBREVIATIONS

A	.....AMPERE	MCB	.....MAIN CIRCUIT BREAKER
AC	.....ALTERNATING CURRENT	MCC	.....MOTOR CONTROL CENTER
AFCI	.....ARC FAULT CIRCUIT INTERRUPTER	MH	.....MOUNTING HEIGHT
AFF	.....ABOVE FINISHED FLOOR	MLO	.....MAIN LOSS ONLY
AIC	.....AMPERE INTERRUPTING CAPACITY	MT	.....MOUNT
AL	.....ALUMINUM	MTG	.....MOUNTING
ATS	.....AUTOMATIC TRANSFER SWITCH	NC	.....NORMALLY CLOSED
AWG	.....AMERICAN WIRE GAUGE	NEC	.....NATIONAL ELECTRICAL CODE
BKR	.....BREAKER	NF	.....NON FUSED
CB	.....CIRCUIT BREAKER	NFPA	.....NATIONAL FIRE PROTECTION ASSOCIATION
CCTV	.....CLOSED CIRCUIT TELEVISION	NIC	.....NOT IN CONTRACT
CKT	.....CIRCUIT	NL	.....NIGHT LIGHT
CLG	.....CEILING	NO	.....NORMALLY OPEN
CPU	.....CENTRAL PROCESSING UNIT	NTS	.....NOT TO SCALE
C	.....COPPER	P	.....POLE
CT	.....CURRENT TRANSFORMER	PNL	.....PANELBOARD
DC	.....DIRECT CURRENT	PVC	.....POLY-VINYL CHLORIDE
DN	.....DOWN	RC	.....REMOTE CONTROL
EX	.....EXISTING	RECP	.....RECEPTACLE
E	.....EMERGENCY	REF	.....REFERENCE
F	.....FIRE ALARM	RMS	.....ROOT MEAN SQUARE
FACP	.....FIRE ALARM CONTROL PANEL	ST	.....SHUNT TRIP
FOR	.....FEEDER	SYM	.....SYMMETRICAL
FL	.....FLOOR	SW	.....SWITCH
F	.....FUSE OR FUSED	SWBD	.....SWITCHBOARD
FVNR	.....FULL VOLTAGE NON REVERSING	TB	.....TERMINAL BOX
GEN	.....GENERATOR	TC	.....TIME CLOCK
GFCI/GFI	.....GROUND FAULT CIRCUIT INTERRUPTER	TEL	.....TELEPHONE
GRC	.....GALVANIZED RIGID STEEL CONDUIT	TV	.....TELEVISION
G or GND	.....GROUND	TYP	.....TYPICAL
HT	.....HEIGHT	UG	.....UNDERGROUND
HID	.....HIGH INTENSITY DISCHARGE	UL	.....UNDERWRITER; LABORATORY
HP	.....HORSE POWER	UNO	.....UNLESS NOTED OTHERWISE
HSA	.....HAND-OFF-AUTOMATIC	UPS	.....UNINTERRUPTED POWER SUPPLY
HZ	.....HERTZ	V	.....VOLTS
ISO	.....ISOLATED	VA	.....VOLT-AMPERE
JB	.....JUNCTION BOX	WATS	.....WATTS
K	.....KILO (THOUSAND)	WP	.....WEATHERPROOF COVER (RECEPTACLES SHALL BE WEATHER-RESISTANT TYPE)
KMIL	.....THOUSAND CIRCULAR MILS		
LED	.....LIGHT EMITTING DIODE	XFMR	.....TRANSFORMER
M	.....MOTOR	XP	.....EXPLOSION PROOF
MATV	.....MASTER ANTENNA TELEVISION	Y	.....WYE
		Z	.....IMPEDANCE

### ELECTRICAL DRAWING INDEX

DWG#	SHEET TITLE
ED.1	ELECT. GENERAL NOTES, SCHEDULES AND SYMBOL LEGEND
ED.2	BUILDING CALCULATIONS, RISER DIAGRAMS & SCHEDULES MAIN BUILDING
ED.3	ELECTRICAL PANEL SCHEDULES
ED.4	ELECTRICAL NOTES AND DETAILS
ED.5	ELECTRICAL DETAILS AND DIAGRAMS
ET.00	SITE PLAN - ELECTRICAL
E1.01	ELECT.-FLOOR PLAN, 1st FLOOR - LIGHTING
E1.01P	ELECT.-FLOOR PLAN, 1st FLOOR - POWER
E1.02	ELECT.-FLOOR PLAN, 2nd FLOOR - LIGHTING
E1.02P	ELECT.-FLOOR PLAN, 2nd FLOOR - POWER
E1.03	ELECT.-FLOOR PLAN, 3rd FLOOR - LIGHTING
E1.03P	ELECT.-FLOOR PLAN, 3rd FLOOR - POWER
E1.04	ELECT.-FLOOR PLAN, 4th FLOOR - LIGHTING
E1.04P	ELECT.-FLOOR PLAN, 4th FLOOR - POWER
E4.01	UNIT 1BR-A, 1BR-F, 1BR-G & 1BR-H PLANS-ELECTRICAL
E4.02	UNIT 1BR-B & 1BR-D PLANS-ELECTRICAL
E4.03	UNIT 1BR-C, 1BR-E, 1BR-I & 1BR-J PLANS-ELECTRICAL
E4.04	UNIT 1BR-K, 1BR-L & 2BR-A PLANS-ELECTRICAL
E4.05	UNIT 2BR-B & 2BR-C PLANS-ELECTRICAL

### BUILDING LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER CATALOG NO.	LAMPS	NOTES
A1 A1E	2' X 2', 2-LAMP RECESSED ACRYLIC LENS TROFFER, SPECIFICATION GRADE, ELECTRONIC BALLAST, GRID TYPE.	LITHONIA 2G18-2U 316-A1Z-GE5B	2-31W U78 /SP35	TYPE A1E TO HAVE 1400 LUMEN INVERTER
A2 A2E	2' X 4', 3-LAMP RECESSED ACRYLIC LENS TROFFER, SPECIFICATION GRADE, ELECTRONIC BALLAST, GRID TYPE.	LITHONIA 2G18-332-A1Z-1/3G5B	3-F32T8/SP35	TYPE A2E TO HAVE 1400 LUMEN INVERTER
B	INCANDESCENT PIT LIGHT WITH GUARD.	CANLET 6802-1-W-F15G-GS	1-100A19	WALL-MOUNT LIGHT AT 48" AFF MIN. SWITCH SHALL BE LOCATED ADJACENT TO ACCESS DOOR.
DL1 DL1E	COMPACT FLUORESCENT DOWNLIGHT ARCHITECTURAL GRADE, 6" APERTURE, CLEAR REFLECTOR, ELECTRONIC BALLAST, TRIM RING, VERTICAL LAMP, FIRE RATED TENT WHERE REQUIRED. SEE SPECIFICATIONS	MAXILUME HW6PL-1X32-S-6101-CL-WH	1-F32PL/35K	TYPE DL1E TO HAVE BATTERY BALLAST
D41 D41E	COMPACT FLUORESCENT WALLWASHER ARCHITECTURAL GRADE, 6" APERTURE, CLEAR REFLECTOR, ELECTRONIC BALLAST, TRIM RING, VERTICAL LAMP, FIRE RATED TENT WHERE REQUIRED. SEE SPECIFICATIONS	MAXILUME HW6PL-1X32-S-6107-CL-WH	1-F32PL/35K	TYPE D41E TO HAVE BATTERY BALLAST
D5 D5E	COMPACT FLUORESCENT DOWNLIGHT ARCHITECTURAL GRADE, 6" APERTURE, CLEAR REFLECTOR, ELECTRONIC BALLAST, TRIM RING, VERTICAL LAMP, FIRE RATED TENT WHERE REQUIRED. SEE SPECIFICATIONS	MAXILUME HW6PL-1X32-S-6101-CL-WH	1-F32PL/35K	TYPE D5E TO HAVE BATTERY BALLAST
E	6 VOLT TWIN-HEAD BATTERY LIGHT, SURFACE MOUNTED.	LITHONIA ELM2-LED	INCLUDED	
F FE	4', 2-LAMP CEILING MOUNTED FLUORESCENT WITH ACRYLIC LENS, ELECTRONIC BALLAST.	LIGHT CONCEPTS 3348-2L32W-ESB	2-F32T8/SP35	TYPE FE TO HAVE 1400 LUMEN INVERTER
F2 F2E	4', 2-LAMP WALL MOUNTED FLUORESCENT WITH UP/DOWN DISTRIBUTION, ELECTRONIC BALLAST.	LIGHT CONCEPTS 11854-RE5B	2-F32T8/SP35	TYPE F2E TO HAVE 1400 LUMEN INVERTER
P3	EXTERIOR HALF ROUND GOOSE NECK FIXTURE SELECTED BY ARCHITECT/OWNER.	\$300.00 ALLOWANCE	150W MAX	
P4	LOBBY DOUBLE HEIGHT PENDANT FIXTURE SELECTED BY ARCHITECT/OWNER, 15'-0" TO BOTTOM OF FIXTURE.	\$1500.00 ALLOWANCE	150W MAX	
P5	LOUNGE PENDANT FIXTURE SELECTED BY ARCHITECT/OWNER.	\$250.00 ALLOWANCE	150W MAX	
P6	RECEPTION PENDANT FIXTURE SELECTED BY ARCHITECT/OWNER.	\$300.00 ALLOWANCE	150W MAX	
SM4 SM4E	4', 2-LAMP STRIP, ELECTRONIC ZERO DEGREE BALLAST.	LITHONIA C232-CW GE5B	2-F32T8/SP35	TYPE SM4E TO HAVE 1400 LUMEN INVERTER
SM5 SM5E	4', 2-LAMP STRIP, ELECTRONIC BALLAST.	LITHONIA C232-GE5B	2-F32T8/SP35	TYPE SM5E TO HAVE 1400 LUMEN INVERTER
S3	COVE LIGHTING, 36"	LITHONIA SS 1 25 MVOLT OR APPROVED EQUAL	1-25W T8	
S32	COVE LIGHTING, 28"	LITHONIA SS 2 17 MVOLT OR APPROVED EQUAL	2-17W T5	
S4	COVE LIGHTING, 48"	LITHONIA SS 1 32 MVOLT OR APPROVED EQUAL	1-32W T8	
S42	COVE LIGHTING,	LITHONIA SS 2 28T5 MVOLT OR APPROVED EQUAL	2-28W T5	TYPE S42E TO HAVE 1400 LUMEN INVERTER
U1	EXTERIOR HID DOWNLIGHT, CLEAR REFLECTOR, VERTICAL LAMP	LITHONIA AH-70M-6AR	70W MH	
U2	EXTERIOR WALL MOUNTED 2 LAMP FLUORESCENT UP/DOWN CYLINDER FIXTURE WITH REMOTE EMERGENCY BATTERY FOR DOWN LIGHT.	DRAMATEX 1058-42/42C WALL MOUNTED. COORDINATE BATTERY LOCATION IN FIELD AND LABEL.	2-42W CFL	
WL2	3-LAMP FLUORESCENT VANITY LIGHT WALL MOUNTED OVER MIRROR.	LIGHT CONCEPTS 11533	3-13W SPIRAL CFL	
WL3	EXTERIOR FLUORESCENT WALL LIGHT, WIDE THROW DISTRIBUTION WITH EMERGENCY BATTERY	LITHONIA WST-42TRT-WT-ELDW	42W TRT	
QA	EXTERIOR 12'-0" ACORN POLE FIXTURE WITH FULL CUT-OFF, FINISH BY ARCHITECT.	LITHONIA DSAK-PENN 12'-0" POST OR AS SELECTED BY THE ARCHITECT.	175W MH	
QA6	EXTERIOR 6'-0" ACORN POLE FIXTURE WITH FULL CUT-OFF MOUNTED ON 6'-0" COLUMN. COORDINATE MOUNTING PRIOR TO ORDER. FINISH BY ARCHITECT.	LITHONIA DSAK-PENN 6'-0" POST OR AS SELECTED BY THE ARCHITECT.	175W MH	
QB	EXTERIOR 6" BOLLARD, ROUND TOP, LOUVERED, HID, FINISH BY ARCHITECT.	LITHONIA KB6-50M-R5-FINISH	50W MH	
X	PARKING GARAGE L.E.D. EXIT SIGN WITH POLYCARBONATE HOUSING, RED LETTERS, EMERGENCY BATTERY	LITHONIA LQMSWR-BATTERY	L.E.D.	SELF-CONTAINED BATTERY.
X1	L.E.D. EXIT SIGN WITH RECESSED HOUSING, EDGE-LIT PANEL WITH RED LETTERS, EMERGENCY BATTERY	LITHONIA LRP-RC-BATTERY	L.E.D.	SELF-CONTAINED BATTERY.
X2	DOUBLE FACE L.E.D. EXIT SIGN WITH RECESSED HOUSING, EDGE-LIT PANEL WITH RED LETTERS, EMERGENCY BATTERY	LITHONIA LRP-RC-DOUBLE FACE - BATTERY	L.E.D.	SELF-CONTAINED BATTERY.

### LIVING UNIT LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER CATALOG NO.	LAMPS	NOTES
DL2	MECHANICAL SPECIFIED EXHAUST FAN CONTROLLED BY DIVISION 16 FURNISHED TIMER SWITCH TO MEET EARTHQUAKE REQUIREMENTS.	SUBMIT TIMER SWITCH WITH SHOP DRAWINGS.		
DL3	COMPACT FLUORESCENT SHOWER FIXTURE, 6" APERTURE, WET LOCATION, LENSED	ELITE B8PLUC-1X26-S-8751WH	26W T11 PL	SHOWER
P1	ABOVE COUNTER ENERGY STAR FLUORESCENT-PENDANT FIXTURE TO BE APPROVED BY OWNER/ARCHITECT PRIOR TO PURCHASE	LIGHT CONCEPTS-11536-BN	13 CFL SPIRAL	KITCHEN/DINING COUNTER
P2	DINING ROOM PENDANT, BRUSHED NICKEL/FINISH	LIGHT CONCEPTS-11536-BN	13 CFL SPIRAL	DINING ROOM
SM1	KITCHEN 1X4 FLUORESCENT, 2-LAMP, FULLY LENSED, BRUSHED NICKEL	FUTRA 10813 BN-232	2-32W T8	KITCHEN
SM2	SURFACE FLUORESCENT CLOSET LIGHT, CHROME FINISH	LITHONIA 10976BNP	1-23W FLUOR	CLOSET
SM3	SURFACE FLUORESCENT HALLWAY LIGHT, CHROME FINISH	LITHONIA DECOR ROUND 11983BNP	3-13W GU24	HALLWAY
WM1	CLOSET LIGHT, COORDINATE MOUNTING WITH SHELVING TO MEET NEC CLOSET LIGHT REQUIREMENTS.	LITHONIA 10976BNP	1-23W FLUOR	LAUNDRY
VL1	3-LAMP FLUORESCENT VANITY LIGHT WALL MOUNTED OVER MIRROR.	LIGHT CONCEPTS 11533	3-13W SPIRAL CFL	BATHROOM MIRROR
A	UNDER CABINET KITCHEN LIGHT	LITHONIA UC12	1-8W T5	KITCHEN- UNDER CABINET LIGHT
BR	SURFACE FLUORESCENT BEDROOM LIGHT, WITH JB SUPPORTED FOR FUTURE CEILING	LITHONIA 10702	3-13W GU24	BEDROOMS
LR	CEILING FAN WITH LIGHT KIT, LIGHT AND FAN SWITCHED SEPARATELY. PROVIDE FAN RATED BOX	HARBOR BREEZE OR EQUAL AS SELECTED BY OWNER.	4-13W MAX	LIVING ROOM

**LIGHT FIXTURE NOTES:**

- ALL LIGHT FIXTURES SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
- ALL FLUORESCENT LIGHT FIXTURES SHALL BE 3000 DEGREE WARM COLOR LAMP AND HAVE "INSTANT START" BALLAST.
- THE CONTRACTOR SHALL COORDINATE REQUIREMENTS OF RECESSED CEILING MOUNTED FIXTURES IN FIRE RATED CEILINGS WITH THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION AND INSTALL AN APPROVED FIRE RATED "TENT" OVER CAN FIXTURE AS REQUIRED.

**SOLAR POWER NOTES TO CONTRACTOR:**

CONTRACTOR SHALL FURNISH AND INSTALL A 50.0KW SOLAR SYSTEM TIED INTO THE BUILDINGS ELECTRICAL SYSTEM TO AUGMENT POWER USAGE. COORDINATE EXACT REQUIREMENTS WITH OWNERS SOLAR SYSTEM PROVIDER/DESIGNER.

**CLOSED CIRCUIT TV SYSTEM NOTES:**

CONTRACTOR SHALL FURNISH AND INSTALL A CLOSED CIRCUIT TV SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNERS CCTV SYSTEM PROVIDER/DESIGNER.

**LIGHT FIXTURE NOTES:**

- ALL LIGHT FIXTURES SHALL BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
- ALL FLUORESCENT LIGHT FIXTURES SHALL BE 3000 DEGREE WARM COLOR LAMP AND HAVE "INSTANT START" BALLAST.
- THE CONTRACTOR SHALL COORDINATE REQUIREMENTS OF RECESSED CEILING MOUNTED FIXTURES IN FIRE RATED CEILINGS WITH THE LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION AND INSTALL AN APPROVED FIRE RATED "TENT" OVER CAN FIXTURE AS REQUIRED.

**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

### KEY PLAN

NO.	DESCRIPTION	DATE
4	Addendum4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum2	2/21/11
1	Addendum1	2/10/11

Revision No. \_\_\_\_\_ Description \_\_\_\_\_ Date \_\_\_\_\_

Project No. **AWD0132.00**

File Name \_\_\_\_\_

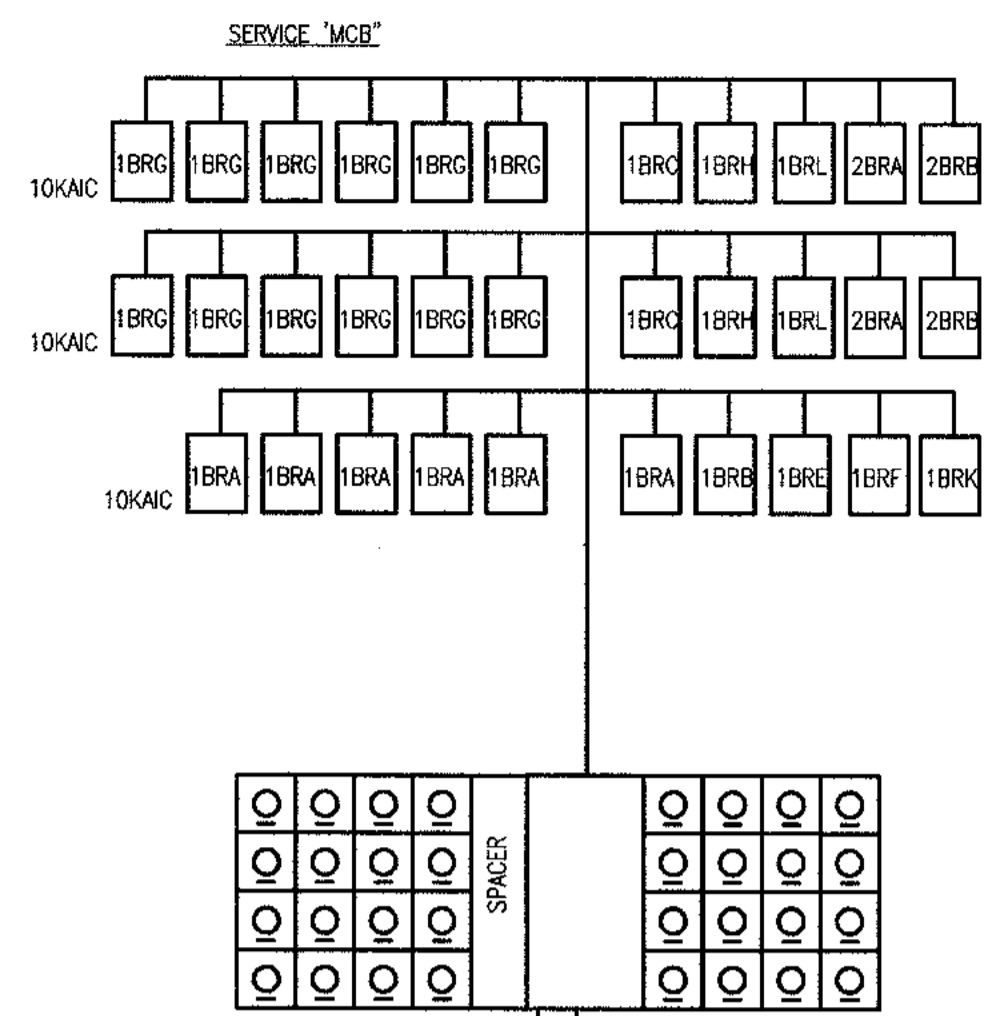
Scale **AS SHOWN** Date August 1, 2011

**ELECTRICAL ABBREVIATIONS, GENERAL NOTES, SCHEDULES & SYMBOL LEGEND**

Sheet Number **E0.1**

Professional of Record: **Stewart Allen**  
Professional Registration No: **GA 3051**

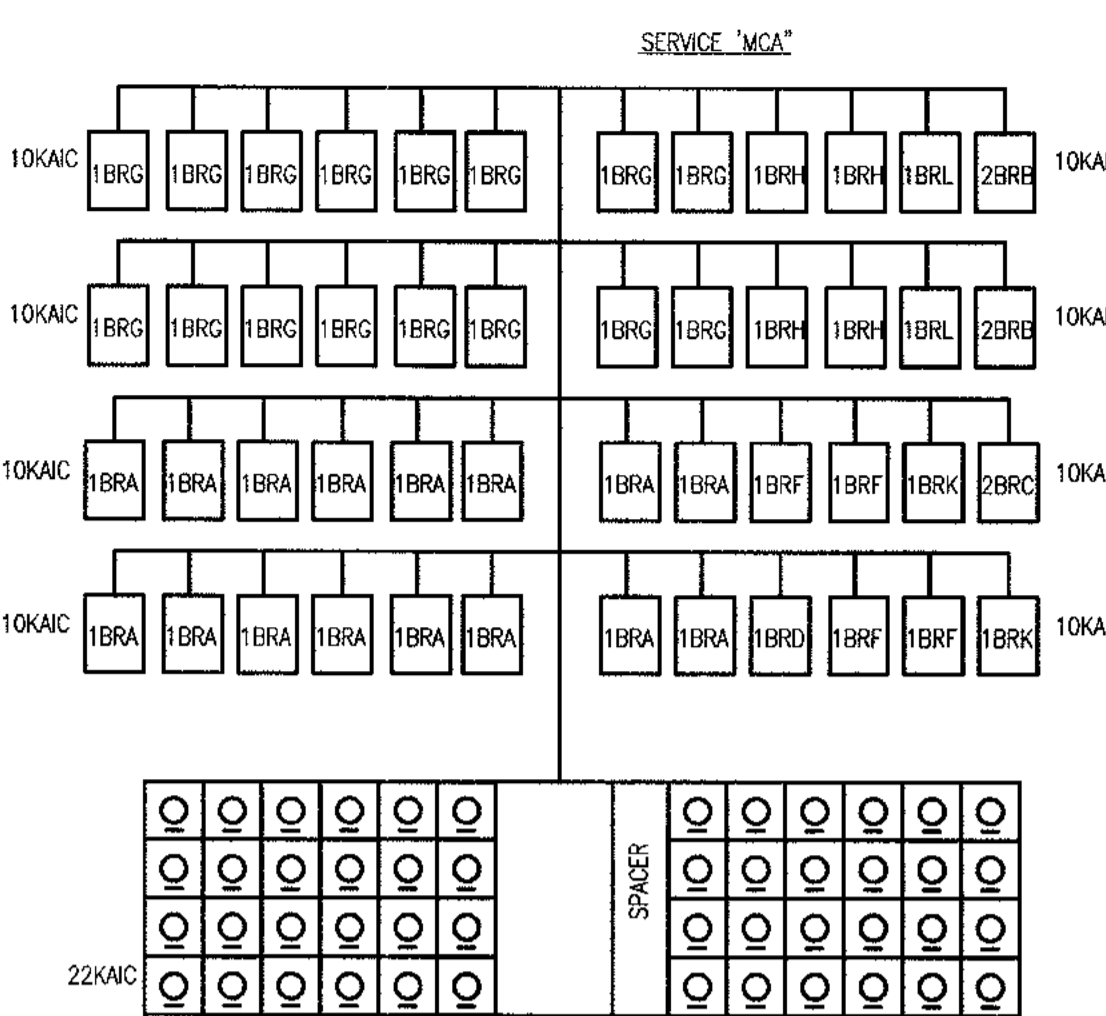
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METER CENTER "MCB"			
TOTAL UNITS SERVED = 32			
SQUARE FOOTAGE	22088 SF	X 3 VA/SF	66.3 KVA
KITCHEN/LAUNDRY	4500 VA	X 32	144.0 KVA
RANGES	8000 VA	X 32	256.0 KVA
DRYERS	5000 VA	X 32	160.0 KVA
DISPOSALS	800 VA	X 32	25.6 KVA
DISHWASHERS	1200 VA	X 32	38.4 KVA
MICROWAVE/HOOD	1500 VA	X 32	48.0 KVA
WATER HEATERS	0 VA	X 32	0.0 KVA
TOTAL HVAC	186700 VA		186.7 KVA
SUBTOTAL 925.0 KVA			
DEMAND FACTOR	925.0 KVA	X 37%	286.7 KVA
H.P. TABLE 220-84		X 100%	0.0 KVA
N.E.C. TABLE 220-84			286.7 KVA
TOTAL			756.8 AMPS
VOLTAGE: 208/120 PHASE: 3			

3 SETS OF 4#400 KCMIL AL, EACH SET IN 4" TO UTILITY COMPANY PAD MOUNTED TRANSFORMER

**3 RISER DIAGRAM**  
METER CENTER - MCB



METER CENTER "MCA"			
TOTAL UNITS SERVED = 48			
SQUARE FOOTAGE	31395 SF	X 3 VA/SF	94.2 KVA
KITCHEN/LAUNDRY	4500 VA	X 48	216.0 KVA
RANGES	8000 VA	X 48	384.0 KVA
DRYERS	5000 VA	X 48	240.0 KVA
DISPOSALS	800 VA	X 48	38.4 KVA
DISHWASHERS	1200 VA	X 48	57.6 KVA
MICROWAVE/HOOD	1500 VA	X 48	72.0 KVA
WATER HEATERS	0 VA	X 48	0.0 KVA
TOTAL HVAC	261200 VA		261.2 KVA
SUBTOTAL 1963.4 KVA			
DEMAND FACTOR	1963.4 KVA	X 26%	555.5 KVA
H.P. TABLE 220-84		X 100%	0.0 KVA
N.E.C. TABLE 220-84			555.5 KVA
TOTAL			983.8 AMPS
VOLTAGE: 208/120 PHASE: 3			

3 SETS OF 4#600 KCMIL AL, EACH SET IN 4" TO UTILITY COMPANY PAD MOUNTED TRANSFORMER

**2 RISER DIAGRAM**  
METER CENTER - MCA

SWITCHBOARD SCHEDULE - "MSB"															
MAIN: 2000A MCB-RG TYPE				VOLTAGE: 208/120				PHASE: 3				WIRE: 4			
MTS: FLOOR				AIC: 65K											
#	FRAME	TRIP	POLE	DESCRIPTION	LOAD (KVA)								PHASE		
					LTG	REC	MTR	A/C	HTG	KIT	MISC	A		B	C
1	400	400	3	GEN STANDBY	0.1	0.1	31.1	1.5	0.0	0.0	3.4				
2	100	100	3	GEN LIFE SAFETY	4.6	0.0	0.1	0.0	0.0	0.0	0.0				
3	100	60	3	COMPACTOR											
4	225	225	3	PANEL M	0.8	3.7	1.8	0.0	6.0	0.0	0.0				
5	400	400	3	PANEL O	1.7	8.2	1.6	14.7	18.8	4.0	0.0				
6	400	400	3	PANEL H1A	0.8	2.8	2.2	6.5	21.0	0.0	0.0				
7	400	400	3	PANEL H1B	1.7	5.3	1.8	5.5	8.5	1.2	7.4				
8	400	400	3	PANEL H3B	0.0	3.0	1.8	7.4	15.0	0.0	0.0				
9	400	400	3	PANEL H3A	1.0	3.0	2.5	2.7	23.2	0.0	0.0				
10				SPACE	0.0	2.0	0.9	5.6	23.3	0.0	0.0				
CONNECTED LOAD (KVA):					702.2										
DEMAND LOAD (KVA):					663.1										
CONNECTED LOAD (AMPS):					1943.4										
DEMAND LOAD (AMPS):					1840.3										
AMPACITY REQUIRED:					1863.1										
NOTES:					1. INSTALL SWITCHBOARD ON 3" HIGH CONCRETE PAD (LENGTH AND WIDTH EXCEEDING BASE BY 3" ON ALL SIDES.)										

MECHANICAL EQUIPMENT CONNECTION SCHEDULE			
DESCRIPTION	CIRCUIT	CONDUCTORS	STARTER/DISCONNECT
SPLIT SYSTEM HEAT PUMPS - APARTMENTS			
AHU/-HP-1BRB, 1BRD & 2BRC			
INDOOR UNIT	SEE LOAD CENTER	2#10, 1#10G	30/2/1
OUTDOOR UNIT	SEE LOAD CENTER	2#12, 1#12G-1/2"C	30/2/3R
AHU/-HP-2BRA			
INDOOR UNIT	SEE LOAD CENTER	2#8, 1#10G	60/2/1
OUTDOOR UNIT	SEE LOAD CENTER	2#12, 1#12G-1/2"C	30/2/3R
AHU/-HP-1BR-A, 1BR-C, 1BR-E, 1BR-F, 1BR-G, 1BR-H, 1BR-I, 1BR-J, 1BR-K & 1BR-L			
UNIT	SEE LOAD CENTER	2#12, 1#12G	30/2/1

LOAD CENTER FEEDER/BREAKER SCHED. (MAIN BUILDING)		
LOAD CENTERS	FEEDERS (AL)	MAIN BREAKER (INTGRAL W/ METER)
ALL 125A MLD LIVING UNIT LOAD CENTERS:	3#1/0, 1#4G UP TO 120" 3#2/0, 1#4G UP TO 155" 3#3/0, 1#4G UP TO 195"	125/2

**METER CENTER ALTERNOTE NOTES:**

1- CONTRACTOR MAY PROVIDE A BUS DISTRIBUTION SYSTEM. CONTRACTOR SHALL SUBMIT EQUIPMENT ROOM LAYOUTS.

2- CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO SUBMITTAL.

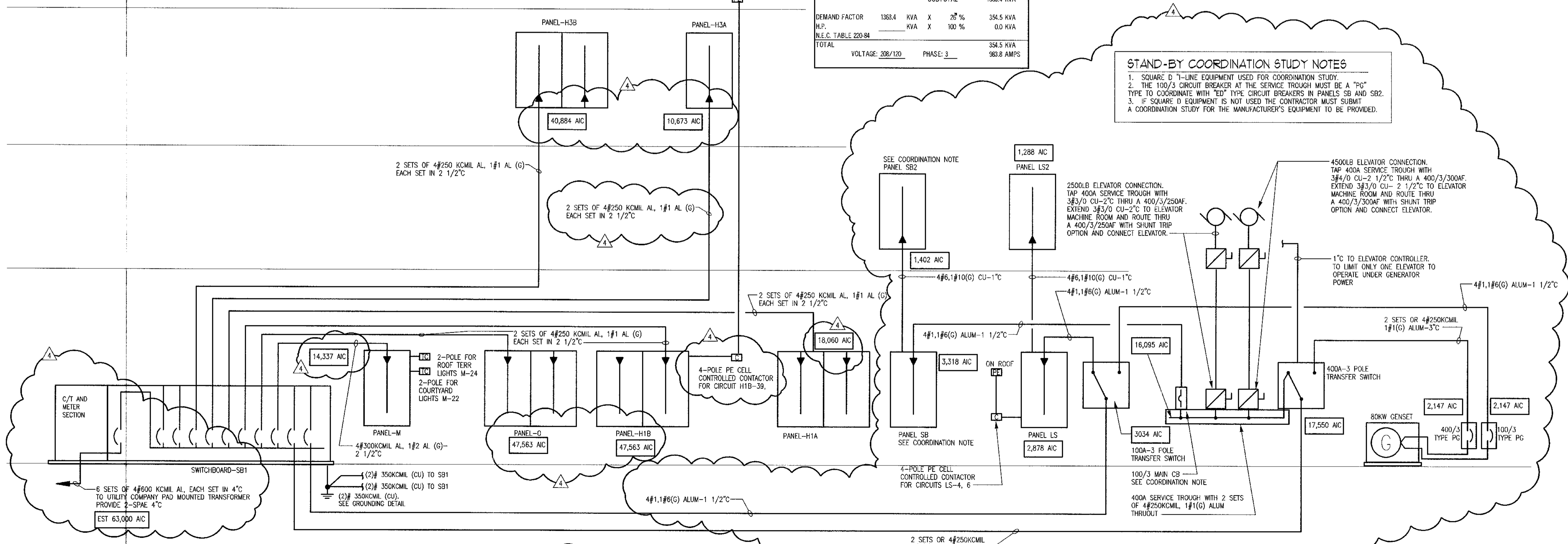
METER CENTER "MC1A"			
TOTAL UNITS SERVED = 48			
SQUARE FOOTAGE	31395 SF	X 3 VA/SF	94.2 KVA
KITCHEN/LAUNDRY	4500 VA	X 48	216.0 KVA
RANGES	8000 VA	X 48	384.0 KVA
DRYERS	5000 VA	X 48	240.0 KVA
DISPOSALS	800 VA	X 48	38.4 KVA
DISHWASHERS	1200 VA	X 48	57.6 KVA
MICROWAVE/HOOD	1500 VA	X 48	72.0 KVA
WATER HEATERS	0 VA	X 48	0.0 KVA
TOTAL HVAC	261200 VA		261.2 KVA
SUBTOTAL 1963.4 KVA			
DEMAND FACTOR	1963.4 KVA	X 26%	555.5 KVA
H.P. TABLE 220-84		X 100%	0.0 KVA
N.E.C. TABLE 220-84			555.5 KVA
TOTAL			983.8 AMPS
VOLTAGE: 208/120 PHASE: 3			

**STAND-BY COORDINATION STUDY NOTES**

1. SQUARE D 7-LINE EQUIPMENT USED FOR COORDINATION STUDY.

2. THE 100/3 CIRCUIT BREAKER AT THE SERVICE TROUGH MUST BE A "PG" TYPE TO COORDINATE WITH "ED" TYPE CIRCUIT BREAKERS IN PANELS SB AND SB2.

3. IF SQUARE D EQUIPMENT IS NOT USED THE CONTRACTOR MUST SUBMIT A COORDINATION STUDY FOR THE MANUFACTURER'S EQUIPMENT TO BE PROVIDED.



**1 RISER DIAGRAM**  
BUILDING POWER

**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

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2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4486 | F: 404.233.7368 | LIC. No. AA 000242  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

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KEY PLAN		
Revision No.	Description	Date
4	Addendum#4 Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No. **AH0132.00**

File Name \_\_\_\_\_ Date August 1, 2011

Scale **AS SHOWN**

Drawing Title **ELECTRICAL CALCULATIONS & RISER DIAGRAMS**

Sheet Number **E0.2**

Professional of Record: **Shawnt Allen**  
Professional Registration No: **GA 3051**

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**PANELBOARD SCHEDULE - 'M'**

CKT #	TRIP #	POLE	DESCRIPTION	LOAD (KVA)				LOAD (KVA)				TRIP	CKT #									
				LTG	REC	MTR	A/C	HTG	KIT	LTG	REC			MTR	A/C	HTG	KIT					
1	20/1	OVERHEAD DOOR											20/1	2								
3	20/1	OVERHEAD DOOR											20/1	4								
5	20/1	OVERHEAD DOOR											20/1	6								
7	20/1	MAINT/FINANCE RECEPT											20/1	8								
9	20/1	MAINT/FINANCE RECEPT											20/1	10								
11	20/1	MAINT OFFICE/TRASH											20/1	12								
13	20/1	TON GF'S											20/2	14								
15	20/1	WORK BENCH											20/1	16								
17	20/1	PARTS/GF WP											20/1	18								
19	20/1	SPARE											20/1	20								
21	20/1	BREAK RM REF											20/1	22								
23	20/1	BREAK RM COFFEE											20/1	24								
25	20/1	BREAK RM MICRO											30/2	26								
27	20/1	BREAK RM DISHWASHER											30	28								
29	20/1	SPARE											30/2	30								
31	20/1	SPARE											30	32								
33	20/1	SPARE											20/2	34								
35	20/1	SPARE											20/2	36								
37	20/1	SPARE											20/1	38								
39	20/1	SPARE											25/2	40								
41	20/1	SPARE											20/1	42								
LIGHTING (KVA):				3.8	0.0	10.9	4.4	0.0	0.0	0.0	0.0	3.8	0.6	2.5	0.0	18.8	0.0	0.0	CONNECTED LOAD (KVA):	41.0		
RECEPTACLES (KVA):				11.5													DEMAND LOAD (KVA):				40.3	
MOTORS (KVA):				6.9													PHASE A				12	102.5
A/C (KVA):				0.0													PHASE B				17	137.5
HEATING (KVA):				18.8													PHASE C				12	101.7
KITCHEN (KVA):				0.0													KVA				AMPS	
MISCELLANEOUS (KVA):				0.0													AMPACITY REQUIRED:				114.3	

**PANELBOARD SCHEDULE - 'H1B'**

CKT #	TRIP #	POLE	DESCRIPTION	LOAD (KVA)				LOAD (KVA)				TRIP	CKT #									
				LTG	REC	MTR	A/C	HTG	KIT	LTG	REC			MTR	A/C	HTG	KIT					
1	20/1	KIT 120 DC GF'S											20/1	2								
3	20/1	KIT 120 DC GF'S											20/1	4								
5	20/1	KIT 120 DC GF'S											20/1	6								
7	20/1	KIT 120 REF											20/1	8								
9	20/1	KIT 120 DISHWASHER											20/1	10								
11	20/1	KIT 120 DISPOSAL											20/1	12								
13	20/1	PARTY 119											20/1	14								
15	20/1	SPARE											20/1	16								
17	20/1	SPARE											20/1	18								
19	20/1	SPARE											20/1	20								
21	20/1	SPARE											20/1	22								
23	20/1	SPARE											20/1	24								
25	20/1	ELEVATORS											20/1	26								
27	20/1	ELEV SUMP PUMP											20/2	28								
29	20/1	ELEV SUMP PUMP											20/2	30								
31	20/1	ELEV SUMP PUMP											20/2	32								
33	20/1	ELEV SUMP PUMP											20/2	34								
35	20/1	ELEV SUMP PUMP											20/2	36								
37	20/1	ELEV SUMP PUMP											20/2	38								
39	20/1	ELEV SUMP PUMP											20/2	40								
41	20/1	RAIN WATER PUMP											20/1	42								
LIGHTING (KVA):				4.5	1.2	14.6	5.2	1.7	0.0	0.0	3.3	0.0	1.2	7.4	18.0	0.0	14.8	CONNECTED LOAD (KVA):	109.7			
RECEPTACLES (KVA):				14.6													DEMAND LOAD (KVA):				104.2	
MOTORS (KVA):				6.4													PHASE A				31	261.7
A/C (KVA):				14.8													PHASE B				40	335.8
HEATING (KVA):				35.0													PHASE C				38	316.7
KITCHEN (KVA):				0.0													KVA				AMPS	
MISCELLANEOUS (KVA):				0.0													AMPACITY REQUIRED:				292.3	

**PANELBOARD SCHEDULE - 'H1A'**

CKT #	TRIP #	POLE	DESCRIPTION	LOAD (KVA)				LOAD (KVA)				TRIP	CKT #									
				LTG	REC	MTR	A/C	HTG	KIT	LTG	REC			MTR	A/C	HTG	KIT					
1	20/1	SPARE											20/1	2								
3	20/1	SPARE											20/1	4								
5	20/1	SPARE											20/1	6								
7	20/1	SPARE											20/1	8								
9	20/1	LOUNGE RECEPT											20/1	10								
11	20/1	LIBRARY 110											20/1	12								
13	20/1	MEP 105/CORR 106											20/1	14								
15	20/1	MEP 107											20/1	16								
17	20/1	SPARE											20/1	18								
19	20/1	SPARE											20/1	20								
21	20/1	SPARE											20/1	22								
23	20/1	SPARE											20/1	24								
25	20/1	SPARE											20/1	26								
27	20/1	SPARE											20/1	28								
29	20/1	SPARE											20/1	30								
31	20/1	SPARE											20/1	32								
33	20/1	SPARE											20/1	34								
35	20/1	SPARE											20/1	36								
37	20/1	SPARE											20/1	38								
39	20/1	SPARE											20/1	40								
41	20/1	SPARE											20/1	42								
LIGHTING (KVA):				1.8	1.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	4.8	12.8	66.0	0.0	1.0	CONNECTED LOAD (KVA):	100.0			
RECEPTACLES (KVA):				5.6													DEMAND LOAD (KVA):				100.0	
MOTORS (KVA):				4.8													PHASE A				33	277.5
A/C (KVA):				17.8													PHASE B				35	289.2
HEATING (KVA):				66.0													PHASE C				32	266.7
KITCHEN (KVA):				0.0													KVA				AMPS	
MISCELLANEOUS (KVA):				0.0													AMPACITY REQUIRED:				278.8	

**PANELBOARD SCHEDULE - 'O'**

CKT #	TRIP #	POLE	DESCRIPTION	LOAD (KVA)				LOAD (KVA)				TRIP	CKT #									
				LTG	REC	MTR	A/C	HTG	KIT	LTG	REC			MTR	A/C	HTG	KIT					
1	20/1	KITCHEN REF											20/1	2								
3	20/1	KITCHEN DC GF'S											20/1	4								
5	20/1	KITCHEN DC GF'S											20/1	6								
7	20/1	KIT DISPOSAL											20/1	8								
9	20/1	KIT DISHWASHER											20/1	10								
11	20/1	TILE GF'S											20/1	12								
13	20/1	OFFICE 130											20/1	14								
15	20/1	OFFICE 129											20/1	16								
17	20/1	OFFICE 128											20/1	18								
19	20/1	WEST 125/CONF 118 GF'S											20/1	20								
21	20/1	CONFERENCE 118											20/1	22								
23	20/1	MEETING 117											20/1	24								
25	20/1	TRAINING 116											20/1	26								
27	20/1	RES SERV 115											20/1	28								
29	20/1	RECEPTION 112											20/1	30								
31	20/1	COPYER 113											20/1	32								
33	20/1	WORK 131											20/1	34								
35	20/1	WORK 131											20/1	36								
37	20/1	RECEPTION 122											20/1	38								
39	20/1	MEP 102/WAIT 126											20/1	40								
41	20/1	RESTROOM 122, 123, 124											20/1	42								
LIGHTING (KVA):				5.8	0.0	20.4	0.6	3.7	7.5	9.2	0.0	5.8	3.8	4.2	36.4	48.9	0.0	0.0	CONNECTED LOAD (KVA):	141.0		
RECEPTACLES (KVA):				24.2													DEMAND LOAD (KVA):				141.0	
MOTORS (KVA):				4.8													PHASE A				49	408.3
A/C (KVA):				40.1													PHASE B				48	399.1
HEATING (KVA):				56.4													PHASE C				44	365.0
KITCHEN (KVA):				9.2													KVA				AMPS	
MISCELLANEOUS (KVA):				0.0													AMPACITY REQUIRED:				365.2	

**PANELBOARD SCHEDULE - 'H3B'**

CKT #	TRIP #	POLE	DESCRIPTION	LOAD (KVA)				LOAD (KVA)				TRIP	CKT #	
				LTG	REC	MTR	A/C	HTG	KIT	LTG	REC			MTR
1	20/1	CORRIDOR 303											20/1	2
3	20/1	CORRIDOR 310											20/1	4
5	20/1	3RD FLOOR COMPUTER RM											20/1	6
7	20/1	3RD FLOOR COMPUTER RM											20/1	8
9	20/1	3RD FLOOR COMPUTER RM											20/1	10
11	20/1	SPARE											20/1	12
13	20/1	SPARE											20/1	14
15	20/1	SPARE											20/1	16
17	20/1	SPARE											20/1	18
19	20/1	SPARE											20/1	20
21	20/1	SPARE											20/1	22
23	20/1	CORRIDOR 409											20/1	24
25	20/1	CORRIDOR 410											20/1	26
27	20/1	4TH FLOOR CARD ROOM											20/1	28
29	20/1	SPARE											20/1	30
31	20/1	SPARE											20/1	32
33	20/1	CORRIDOR 4TH												

**GENERATOR LOAD ANALYSIS ONLY**

MAIN: 60A MLO		VOLTAGE: 208/120				PHASE: 3				WIRE: 4				MOUNTING: SURFACE		AIC: 55K	
CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA)								TRIP POLE #	CKT #					
			LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE							
1	15/2	ELEVATOR 1															
3	---	SHUNT TRIP															
5	---	---															
7	---	---															
9	---	---															
11	---	---															
13	15/2	AHU-EL															
15	---	---															
17	30/2	AC-EL															
19	---	---															
21	---	SPACE ONLY															
23	---	SPACE ONLY															
25	---	PANEL SB	0.1	0.1	0.3	1.5	0.0	0.0	3.4								
27	---	---	0.2	1.2	0.1	0.0	0.0	0.0	3.3								
29	---	---	0.2	0.2	0.2	1.5	0.0	0.0	1.8								
31	---	PANEL LS	4.6	0.0	0.1	0.0	0.0	0.0	0.0								
33	---	---	3.9	0.0	0.1	0.0	0.0	0.0	0.0								
35	---	---	4.1	0.0	0.2	0.0	0.0	0.0	0.0								
37	---	---															
39	---	---															
41	---	---															
LIGHTING (KVA):			13.1	13.1	1.5	52.3	3.0	0.0	8.5								
RECEPTACLES (KVA):			1.5														
MOTORS (KVA):			52.3						226.7								
A/C (KVA):			3.0						215.8								
HEATING (KVA):			0.0						210.8								
KITCHEN (KVA):			0.0														
MISCELLANEOUS (KVA):			8.5														
CONNECTED LOAD (KVA):									78.4								
DEMAND LOAD (KVA):									78.4								
CONNECTED LOAD (AMPS):									217.6								
DEMAND LOAD (AMPS):									217.6								
AMPACITY REQUIRED:									226.7								

NOTES: PROVIDE FEED THRU LUG KIT(S).  
BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

**GENERATOR STAND BY PANELBOARD SCHEDULE - 'SB'**

MAIN: 100A MLO		VOLTAGE: 208/120				PHASE: 3				WIRE: 4				MOUNTING: SURFACE		AIC: 10K	
CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA)								TRIP POLE #	CKT #					
			LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE							
1	15/2	AHU-EL															
3	---	---															
5	30/2	AC-EL															
7	---	---															
9	---	SPACE ONLY															
11	---	SPACE ONLY															
13	50/3	PANEL SB2	0.0	0.0	0.2	0.0	0.0	0.0	0.9								
15	---	---	0.0	0.0	0.0	0.0	0.0	0.0	1.3								
17	---	---	0.0	0.0	0.0	0.0	0.0	0.0	0.8								
19	20/1	GENERATOR HEATER								0.1							
21	20/1	GENERATOR BATTERY								1.0							
23	---	---															
25	---	SPARE															
27	---	SPARE															
29	---	SPARE															
31	---	---															
33	---	---															
35	---	---															
37	---	---															
39	---	---															
41	---	---															
LIGHTING (KVA):			0.5	0.0	0.0	0.4	3.0	0.0	0.0	5.0							
RECEPTACLES (KVA):			1.5														
MOTORS (KVA):			0.6						45.0								
A/C (KVA):			3.0						40.0								
HEATING (KVA):			0.0						32.5								
KITCHEN (KVA):			0.0						4.0								
MISCELLANEOUS (KVA):			8.5														
CONNECTED LOAD (KVA):									14.1								
DEMAND LOAD (KVA):									14.1								
CONNECTED LOAD (AMPS):									39.1								
DEMAND LOAD (AMPS):									39.1								
AMPACITY REQUIRED:									39.5								

NOTES: ELEVATOR LOADS SHOWN FOR LOADING ONLY. SEE RISER DIAGRAM FOR ELEVATOR CONNECTIONS.  
BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

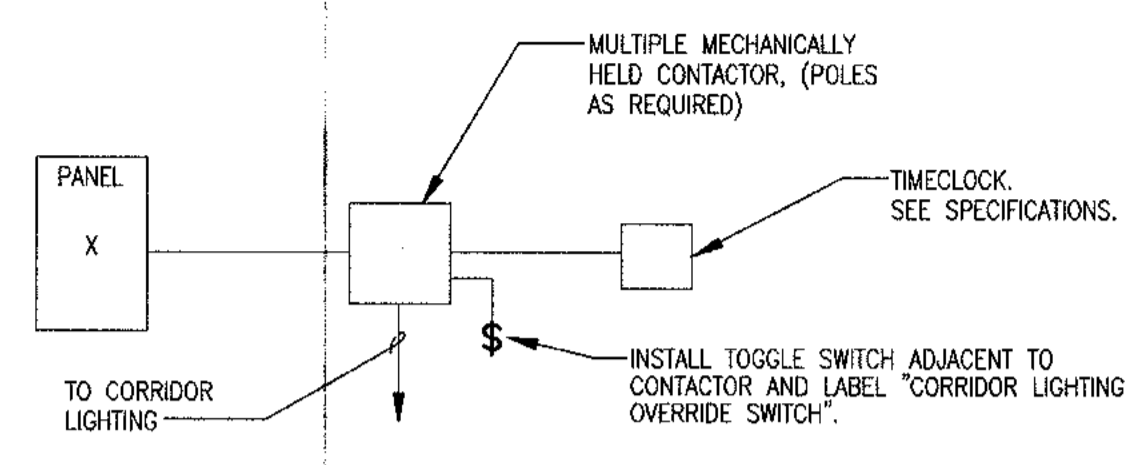
**MECHANICAL EQUIPMENT CONNECTION SCHEDULE**

DESCRIPTION	CIRCUIT	CONDUCTORS	STARTER/DISCONNECT
GEO THERMAL HEAT PUMPS - COMMON AREAS			
GHP-OFC			
HEATER CONNECTION	SEE PLANS	2#4, 1#8(G)-1" C	NOTE-1
COMPRESSOR CONNECTION	SEE PLANS	2#6, 1#8(G)-3/4" C	NOTE-1
GHP-KIT			
HEATER CONNECTION	SEE PLANS	2#6, 1#10(G)-3/4" C	NOTE-1
COMPRESSOR CONNECTION	SEE PLANS	2#10, 1#10(G)-3/4" C	NOTE-1
GHP-PAR			
HEATER CONNECTION	SEE PLANS	2#6, 1#10(G)-3/4" C	NOTE-1
COMPRESSOR CONNECTION	SEE PLANS	2#6, 1#10(G)-3/4" C	NOTE-1
GHP-LOB/CON			
HEATER CONNECTION	SEE PLANS	2#4, 1#8(G)-1" C	NOTE-1
COMPRESSOR CONNECTION	SEE PLANS	2#6, 1#10(G)-3/4" C	NOTE-1
GHP-LOU/FIT/LAU/SEA2/COM/SEA3/MED/CAR/C1.5			
HEATER CONNECTION	SEE PLANS	2#6, 1#10(G)-3/4" C	NOTE-1
COMPRESSOR CONNECTION	SEE PLANS	2#10, 1#10(G)-1/2" C	NOTE-1
AHU/-AC-EL			
INDOOR UNIT	SEE PLANS	2#12, 1#12(G)-1/2" C	INTEGRAL
OUTDOOR UNIT	SEE PLANS	2#10, 1#10(G)-1/2" C	30/2/25AF/3R
ELECTRIC HEATERS			
EW-0.5	SEE PLANS	2#12, 1#12G-1/2" C	INTEGRAL
EBH-1.0	SEE PLANS	2#12, 1#12G-1/2" C	INTEGRAL
EW-1.0	SEE PLANS	2#12, 1#12G-1/2" C	INTEGRAL
EW-1.1	SEE PLANS	2#12, 1#12G-1/2" C	INTEGRAL
EW-2.0	SEE PLANS	2#12, 1#12G-1/2" C	INTEGRAL
EW-2.1	SEE PLANS	2#12, 1#12G-1/2" C	INTEGRAL
EW-3.0	SEE PLANS	2#12, 1#12G-1/2" C	INTEGRAL
EW-3.1	SEE PLANS	2#12, 1#12G-1/2" C	INTEGRAL
EUH-5.0	SEE PLANS	2#10, 1#10(G)-1/2" C	30/2/1/NF

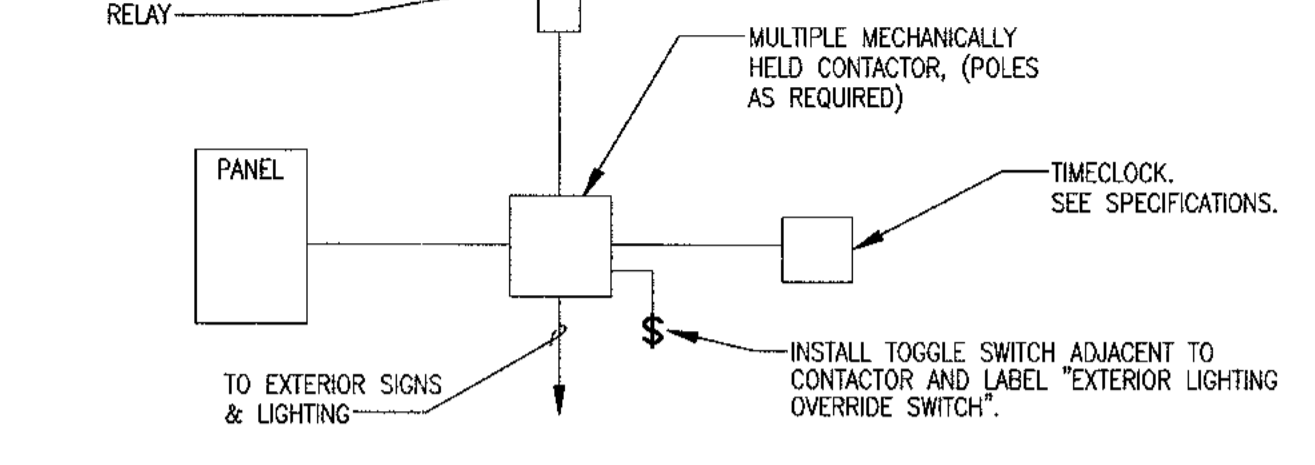
NOTE-1 DISCONNECT PROVIDED BY DIVISION 15 INSTALLED BY ELECTRICAL. COORDINATE WITH MECHANICAL.

**STAND-BY TRANSFER SWITCH LOAD ANALYSIS ONLY**

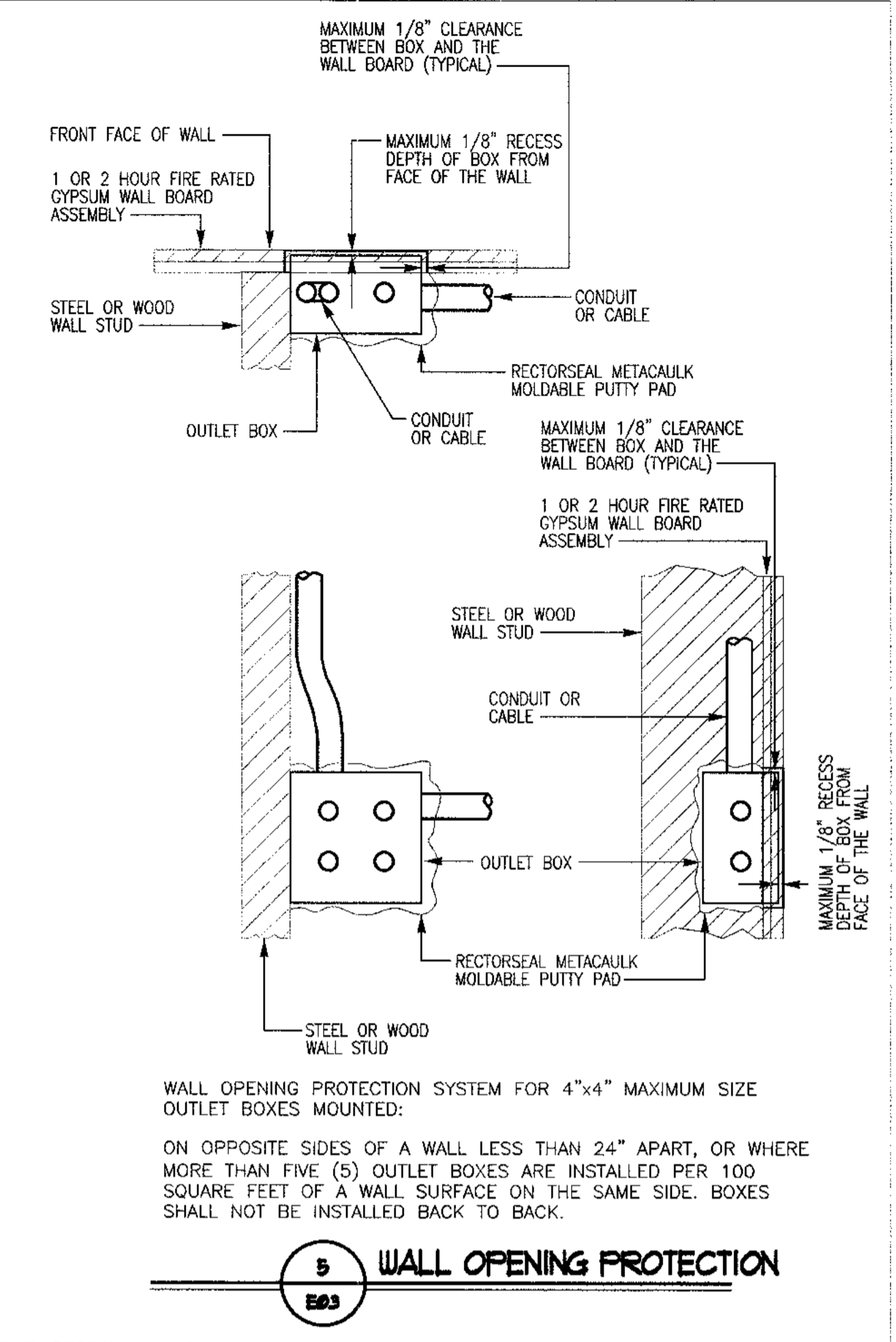
MAIN: 60A MLO		VOLTAGE: 208/120				PHASE: 3				WIRE: 4				MOUNTING: SURFACE		AIC: 55K	
CKT #	TRIP POLE	DESCRIPTION	LOAD (KVA)								TRIP POLE #	CKT #					
			LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE							
1	---	4500 LB ELEVATOR															
3	---	---															
5	---	---															
7	---	2900 LB ELEVATOR															
9	---	---															
11	---	---															
13	---	---															
15	---	---															
17	---	---															
19	---	---															
21	---	---															
23	---	---															
25	---	PANEL SB	0.1	0.1	0.3	1.5	0.0	0.0	3.4								
27	---	---	0.2	1.2	0.1	0.0	0.0	0.0	3.3								
29	---	---	0.2	0.2	0.2	1.5	0.0	0.0	1.8								
31	---	---															
33	---	---															
35	---	---															
37	---	---															
39	---	---															
41	---	---															
LIGHTING (KVA):			0.5	0.5	1.5	93.0	3.0	0.0	8.5								



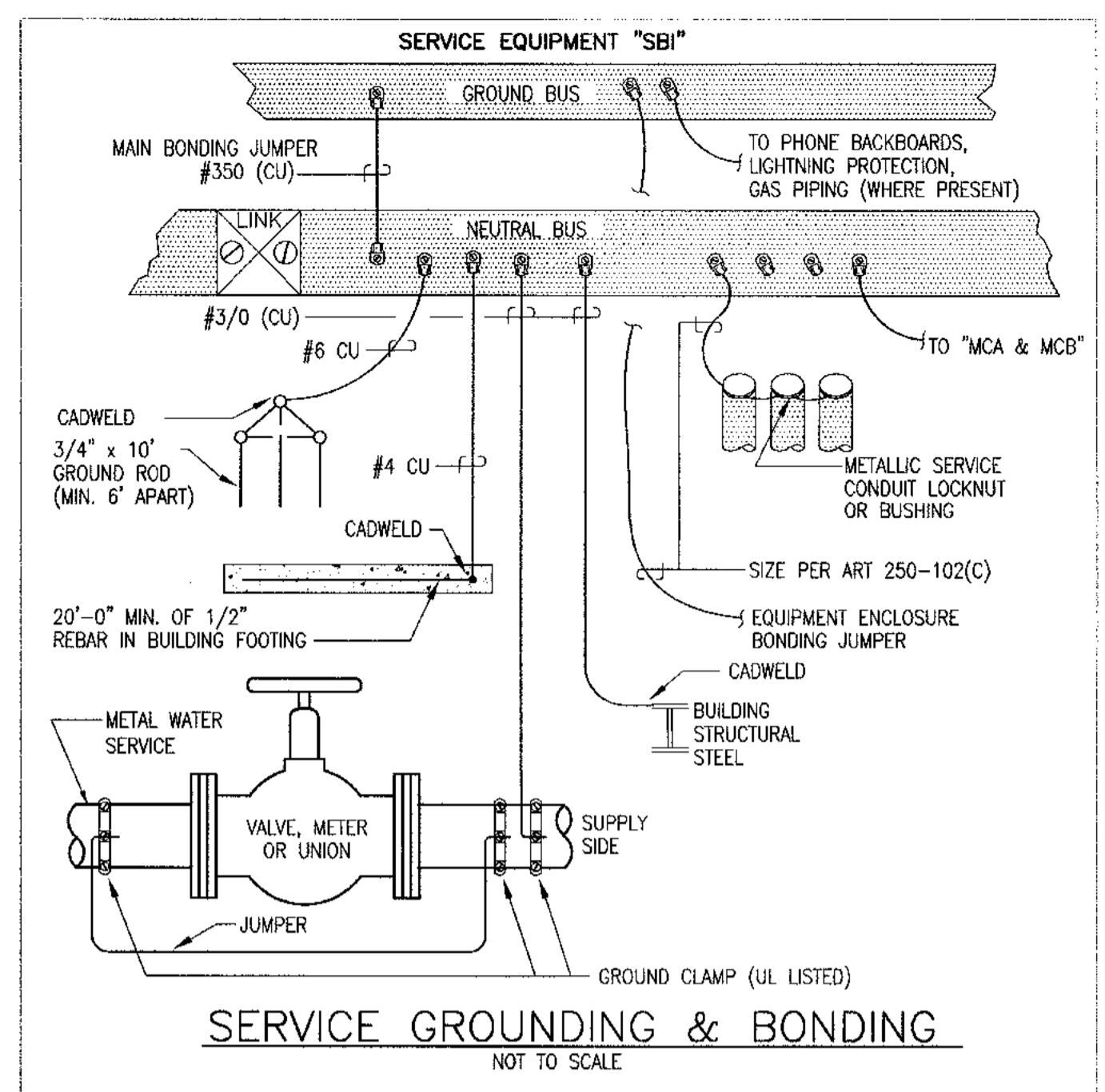
detail 2 CORRIDOR LIGHTING CONTROL DETAIL  
NONE E03



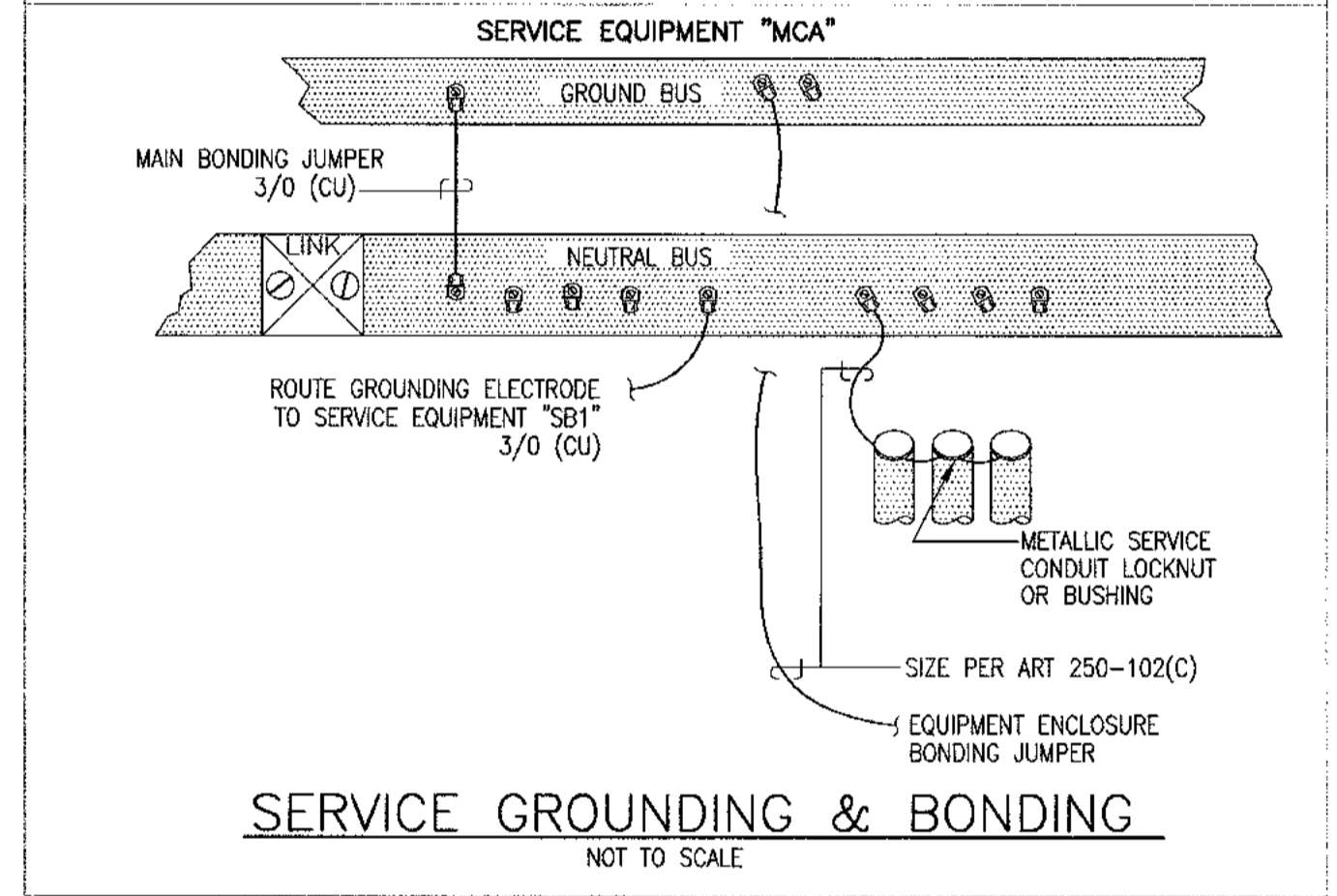
detail 1 EXTERIOR LIGHTING CONTROL DETAIL  
NONE E03



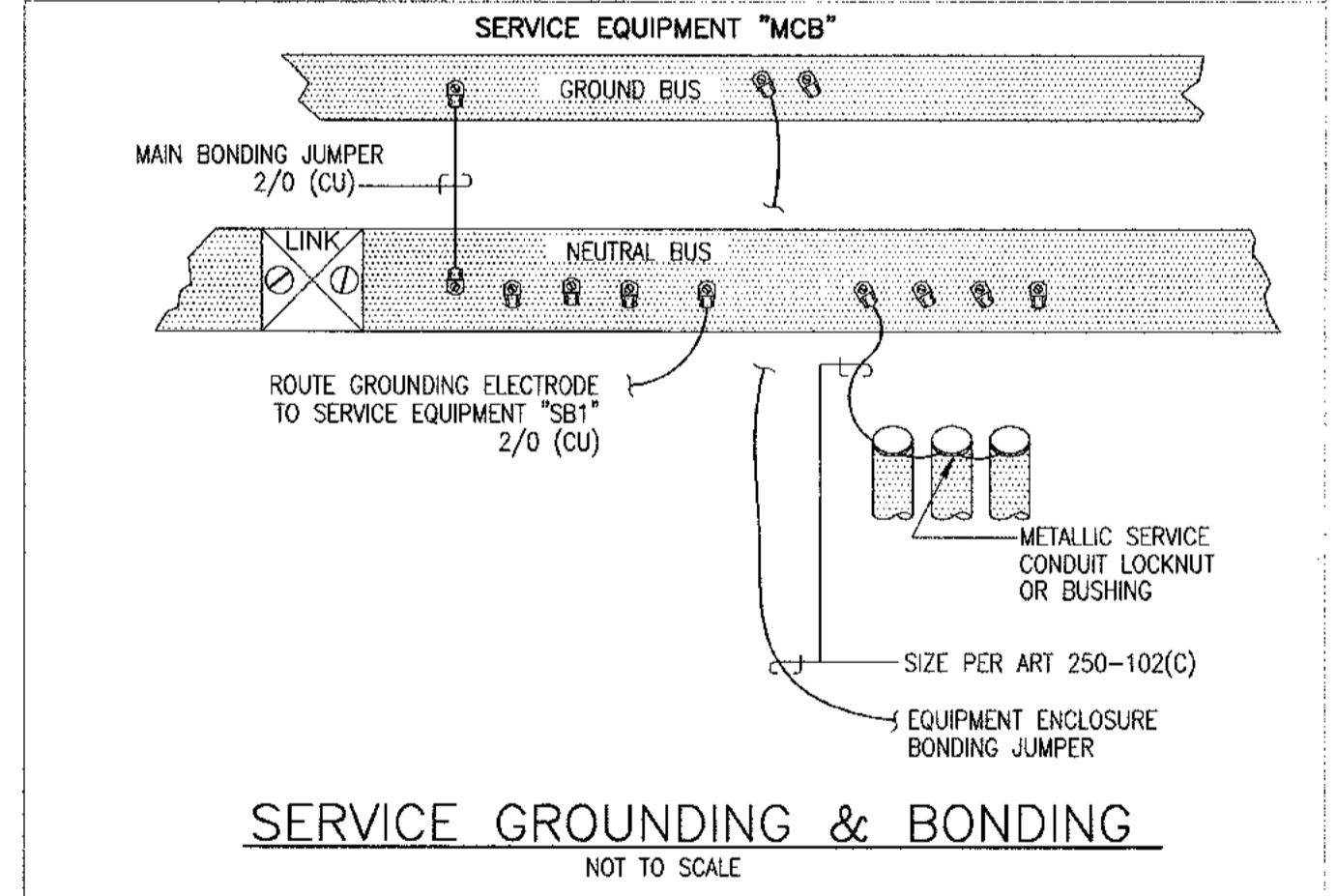
5 WALL OPENING PROTECTION  
E03



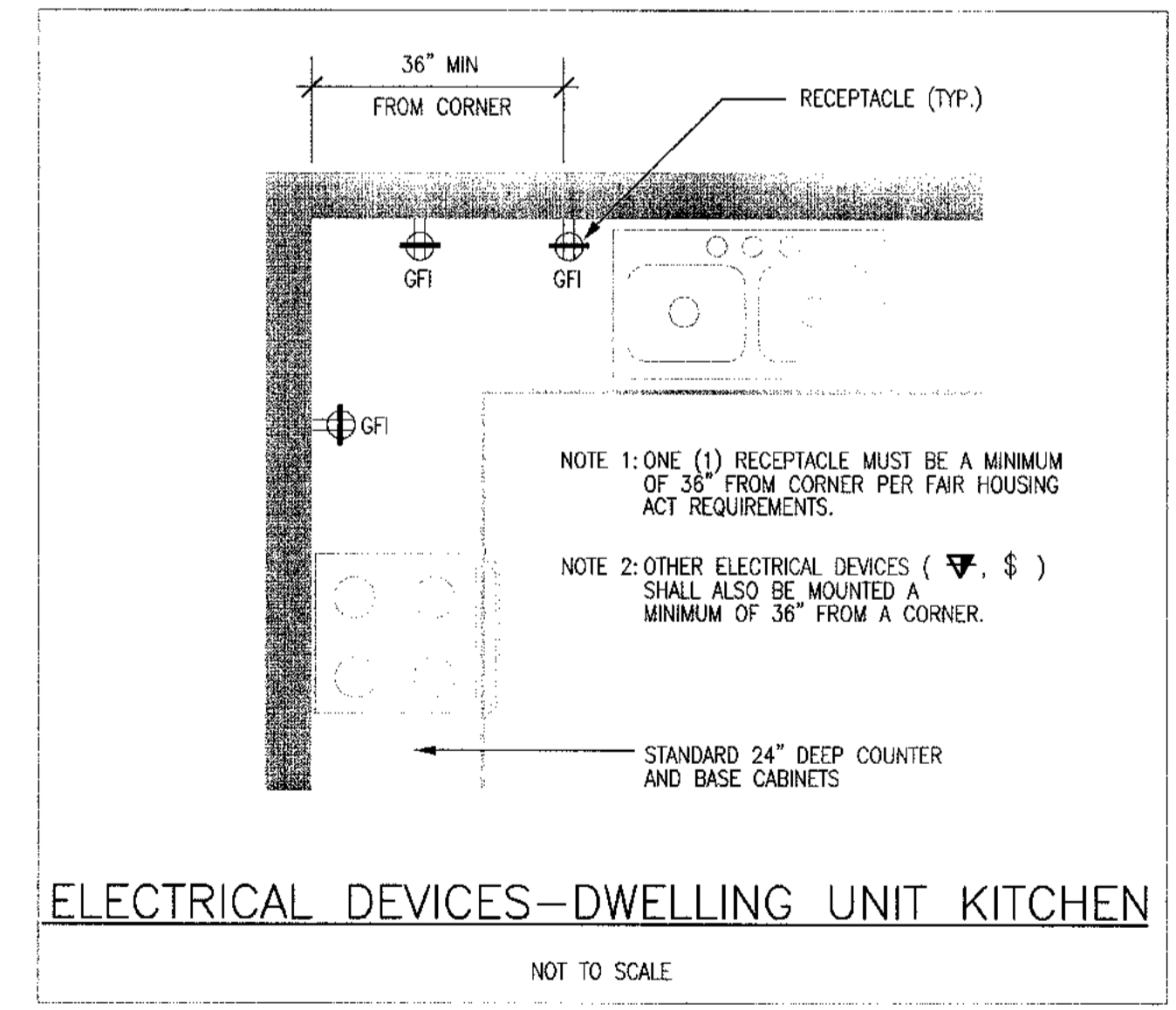
SERVICE GROUNDING & BONDING  
NOT TO SCALE



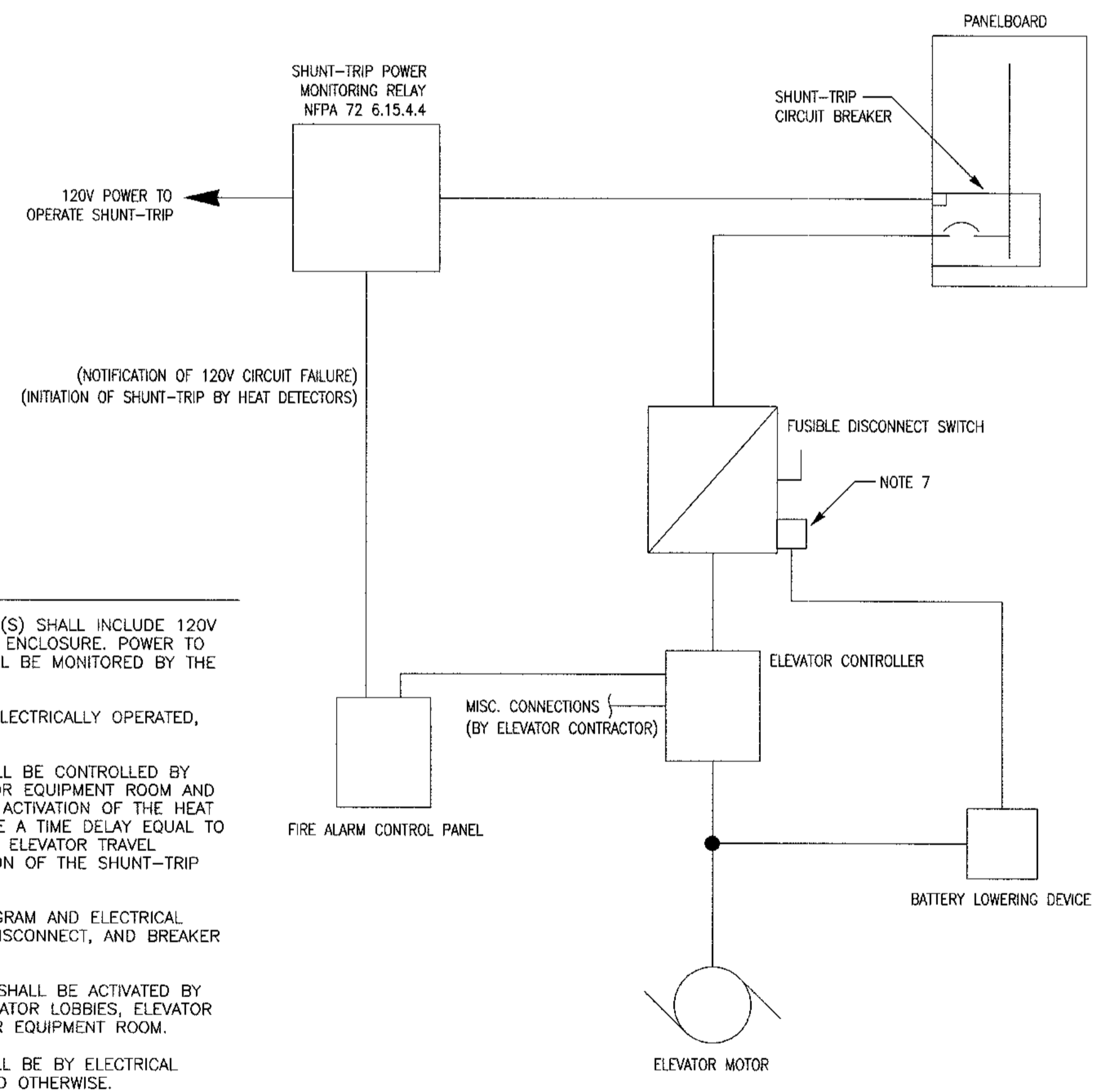
SERVICE GROUNDING & BONDING  
NOT TO SCALE



SERVICE GROUNDING & BONDING  
NOT TO SCALE



- ELECTRICAL GENERAL NOTES**
- G1 ALL EMERGENCY CIRCUITS SERVING NIGHT/EMERGENCY LIGHTING SHALL BE MINIMUM #10 AWG CONDUCTORS FOR THE ENTIRE CIRCUIT FOR 120 VOLT CIRCUITS OVER 100 FEET.
  - G2 WHEN CONDUCTOR OR CONDUIT SIZE IS INDICATED FOR BRANCH CIRCUIT HOMERUN, THE CONDUCTOR AND CONDUIT SIZE INDICATED SHALL BE USED FOR THE COMPLETE CIRCUIT.
  - G3 REFER TO THE APPROPRIATE DRAWINGS (INCLUDING ARCHITECTURAL DRAWINGS) FOR THE EXACT LOCATION OF EQUIPMENT INSTALLED UNDER OTHER DIVISIONS OF THE DOCUMENTS WHICH REQUIRE ELECTRICAL SERVICE.
  - G4 CAPITAL LETTER BESIDE LIGHTING SYMBOL INDICATES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE SELECTION.
  - G5 EQUIPMENT GROUNDING CONDUCTORS ARE TO BE INCLUDED IN ALL RACEWAYS.
  - G6 REFER TO SPRINKLER FIRE PROTECTION SHOP DRAWINGS FOR ALL FLOW AND TAMPER SWITCH LOCATIONS AND CONNECTIONS FOR THE FIRE ALARM SYSTEM.
  - G7 REFER TO ARCHITECTURAL DOOR SCHEDULES FOR DOORS REQUIRING FIRE ALARM SYSTEM INTERFACE AND SMOKE OPERATION.
  - G8 NONMETALLIC-SHEATHED CABLE SHALL BE PERMITTED WITHIN DWELLING UNITS, WHERE PERMITTED BY LOCAL AUTHORITY.



detail 3 ELEVATOR WIRING DIAGRAM  
NONE E03

- NOTES:**
1. ELEVATOR CIRCUIT BREAKER(S) SHALL INCLUDE 120V SHUNT-TRIP COIL, NEMA 1 ENCLOSURE. POWER TO SHUNT TRIP BREAKER SHALL BE MONITORED BY THE FIRE ALARM SYSTEM.
  2. ALL CONTACTS SHALL BE ELECTRICALLY OPERATED, MECHANICALLY HELD.
  3. SHUNT-TRIP BREAKER SHALL BE CONTROLLED BY HEAT DETECTOR IN ELEVATOR EQUIPMENT ROOM AND IN ELEVATOR SHAFT. UPON ACTIVATION OF THE HEAT DETECTOR, THERE SHALL BE A TIME DELAY EQUAL TO THE TIME OF THE LONGEST ELEVATOR TRAVEL DISTANCE BEFORE OPERATION OF THE SHUNT-TRIP CIRCUIT BREAKER.
  4. SEE ELECTRICAL RISER DIAGRAM AND ELECTRICAL FLOOR PLANS FOR WIRE, DISCONNECT, AND BREAKER SIZES.
  5. ELEVATOR RECALL SYSTEM SHALL BE ACTIVATED BY SMOKE DETECTORS IN ELEVATOR LOBBIES, ELEVATOR SHAFTS, AND THE ELEVATOR EQUIPMENT ROOM.
  6. ALL WIRING INDICATED SHALL BE BY ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.
  7. AUXILIARY CONTACT FOR BATTERY LOWERING DEVICE PER NEC 620.91(C) IS REQUIRED TO PREVENT BATTERY-POWERED LOWERING DURING MAINTENANCE.
  8. ALL RELAYS SHALL BE LOCATED WITHIN 3 FEET OF THEIR RESPECTIVE CIRCUIT BREAKERS PER NFPA 72 6.15.2.2.

REGISTERED PROFESSIONAL ENGINEER  
PE# 21385  
MOTHELY E. MILBY

ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

OLIVER HOUSE  
Commerce Drive  
Decatur, Georgia

HADP ARCHITECTURE, INC.  
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7398 | LIC. No. AA 0020442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
KIMLEY HORN AND ASSOCIATES, INC.  
617 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
STRUCTURAL CONSULTING GROUP  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
JORDAN & SKALA  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

**KEY PLAN**

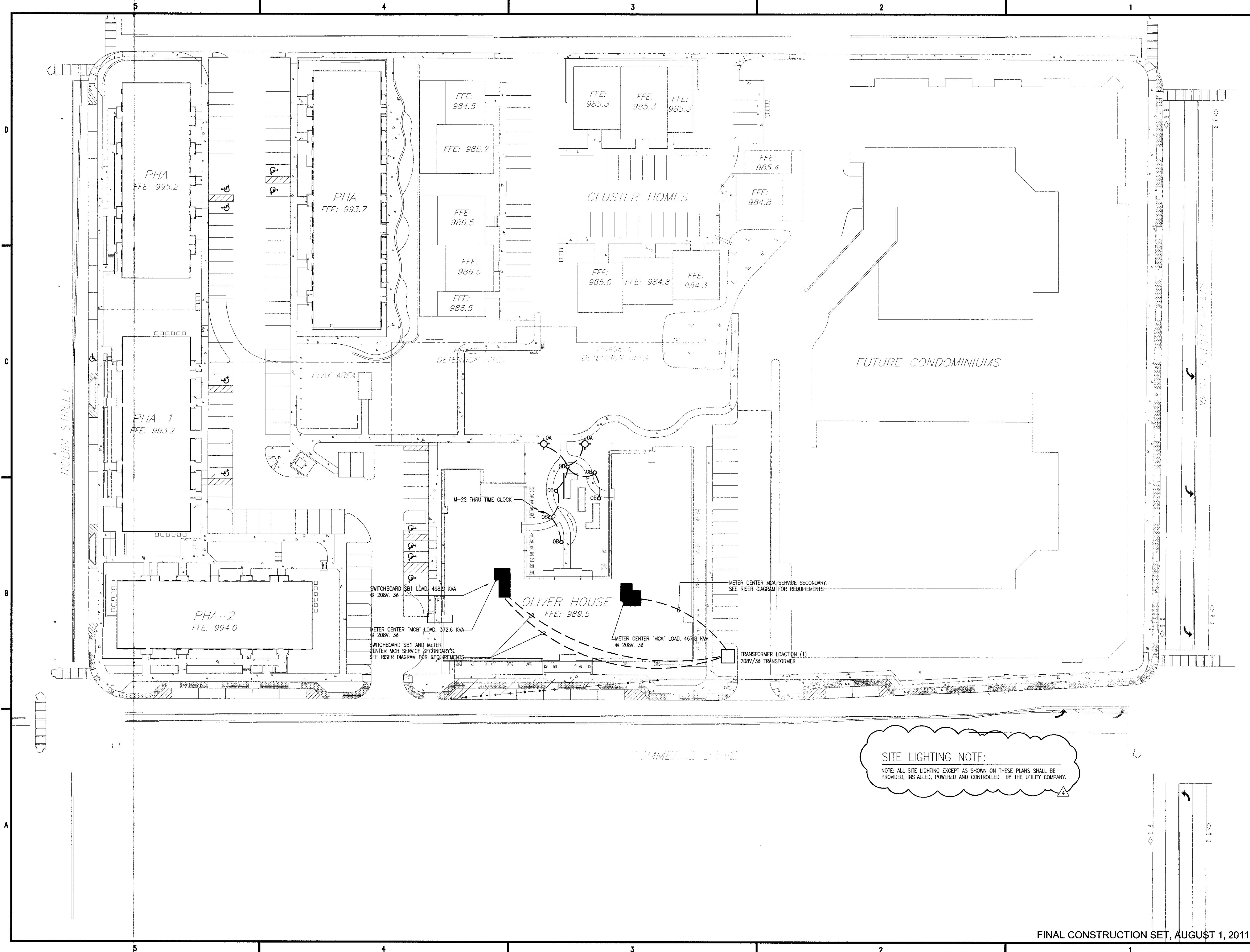
4	Addendum4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum2	2/21/11
1	Addendum1	2/10/11

Revision	Description	Date
Project No.	AH00132.00	
File Name		
Scale	AS SHOWN	Date August 1, 2011

**ELECTRICAL DETAILS AND DIAGRAMS**

Sheet Number **E0.5**

Professional of Record: Stewart Allen  
Professional Registration No: GA 30251  
Seal:  
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**SITE LIGHTING NOTE:**  
 NOTE: ALL SITE LIGHTING EXCEPT AS SHOWN ON THESE PLANS SHALL BE PROVIDED, INSTALLED, POWERED AND CONTROLLED BY THE UTILITY COMPANY.

**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

---

**HADP**  
 ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
 E: info@hadpmail.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 517 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250, SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
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Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackelford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH

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KEY PLAN		
Revision	Description	Date
4	Addendum & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum2	2/21/11
1	Addendum1	2/10/11

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Project No. **AH08132.00**

File Name

Scale **1" = 30'-0"** Date August 1, 2011

Drawing Title  
**SITE PLAN - ELECTRICAL**

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Sheet Number  
E1.00

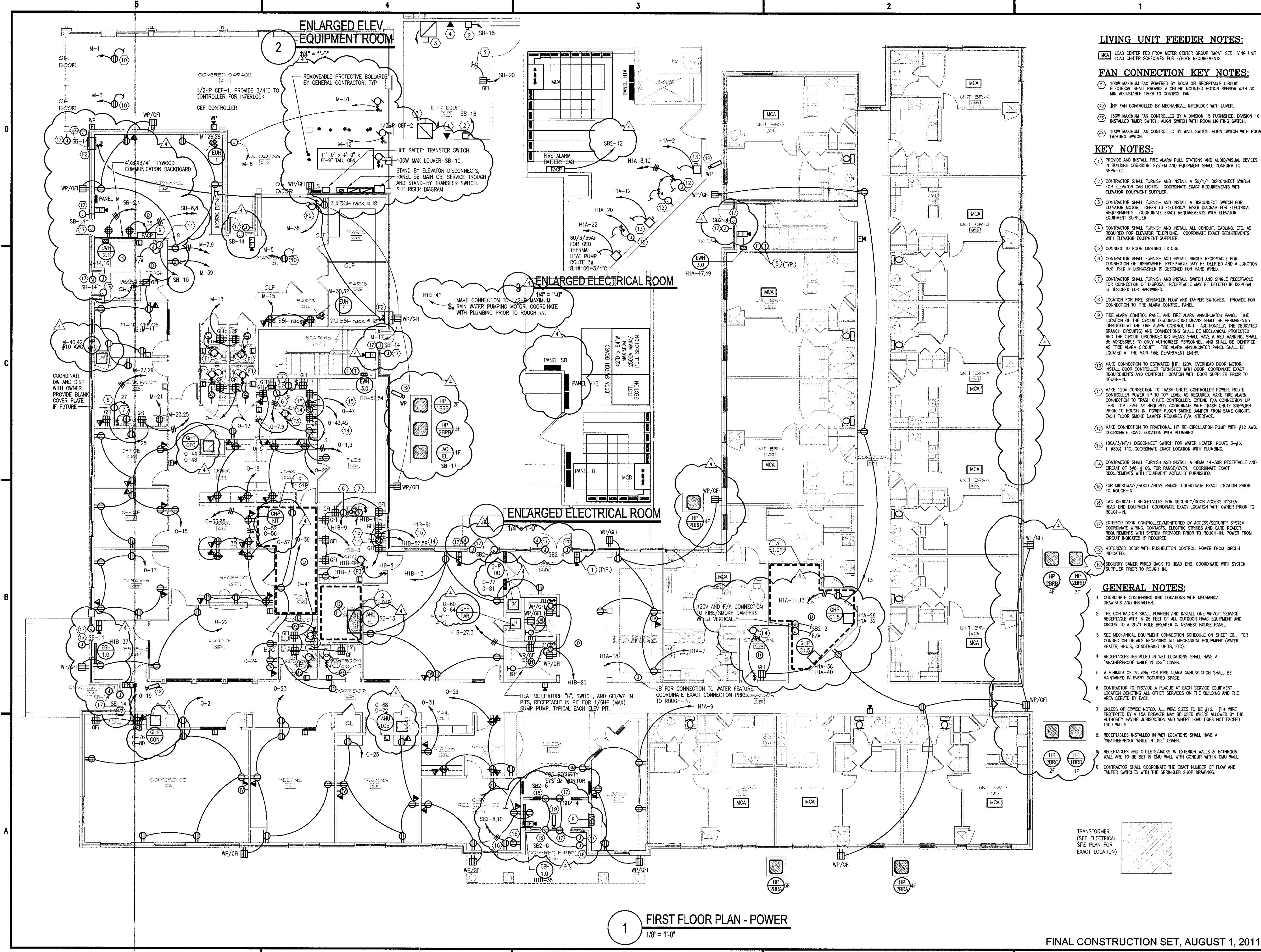
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Professional of Record: **Shewart Allen**  
 Professional Registration No: GA 3051

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**LIVING UNIT FEEDER NOTES:**

- 1. LOAD CENTER FED FROM METER CENTER GROUP "MCA". SEE LIVING UNIT LOAD CENTER SCHEDULES FOR FEEDER REQUIREMENTS.
- 2. 100W MAXIMUM FAN POWERED BY ROOM GFI RECEPTACLE. GROUND ELECTRICAL SHALL PROVIDE A CEILING MOUNTED MOTION SENSOR WITH 30 MIN ADJUSTABLE TIMER TO CONTROL FAN.
- 3. 1/2HP FAN CONTROLLED BY MECHANICAL INTERLOCK WITH LIFTER.
- 4. 150W MAXIMUM FAN CONTROLLED BY A DIVISION 15 FURNISHED, DIVISION 16 INSTALLED TIMER SWITCH. ALIGN SWITCH WITH ROOM LIGHTING SWITCH.
- 5. 100W MAXIMUM FAN CONTROLLED BY WALL SWITCH. ALIGN SWITCH WITH ROOM LIGHTING SWITCH.

**FAN CONNECTION KEY NOTES:**

- 1. PROVIDE AND INSTALL FIRE ALARM PULL STATIONS AND AUDIO/VISUAL DEVICES IN BUILDING CORRIDOR. SYSTEM AND EQUIPMENT SHALL CONFORM TO NFPA-72.
- 2. CONTRACTOR SHALL FURNISH AND INSTALL A 30/1/1 DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTS. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR EQUIPMENT SUPPLIER.
- 3. CONTRACTOR SHALL FURNISH AND INSTALL A DISCONNECT SWITCH FOR ELEVATOR MOTOR. REFER TO ELECTRICAL RISER DIAGRAM FOR ELECTRICAL REQUIREMENTS. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR EQUIPMENT SUPPLIER.
- 4. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, CABLEING, ETC. AS REQUIRED FOR ELEVATOR TELEPHONE. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR EQUIPMENT SUPPLIER.
- 5. CONNECT TO ROOM LIGHTING FIXTURE.
- 6. CONTRACTOR SHALL FURNISH AND INSTALL SINGLE RECEPTACLE FOR CONNECTION OF DISHWASHER. RECEPTACLE MAY BE DELETED AND A JUNCTION BOX USED IF DISHWASHER IS DESIGNED FOR HARD WIRE.
- 7. CONTRACTOR SHALL FURNISH AND INSTALL SWITCH AND SINGLE RECEPTACLE FOR CONNECTION OF DISPOSAL. RECEPTACLE MAY BE DELETED IF DISPOSAL IS DESIGNED FOR HARDWIRE.
- 8. LOCATION FOR FIRE SPRINKLER FLOW AND TAMPER SWITCHES. PROVIDE FOR CONNECTION TO FIRE ALARM CONTROL PANEL.
- 9. FIRE ALARM CONTROL PANEL AND FIRE ALARM ANNUNCIATOR PANEL. THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT. ADDITIONALLY, THE DEDICATED BRANCH CIRCUIT(S) AND CONNECTIONS SHALL BE MECHANICALLY PROTECTED AND THE CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE TO ONLY AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT". "FIRE ALARM ANNUNCIATOR PANEL SHALL BE LOCATED AT THE MAIN FIRE DEPARTMENT ENTRY.
- 10. MAKE CONNECTION TO ESTIMATED 1/2HP, 120V, OVERHEAD DOOR MOTOR. INSTALL DOOR CONTROLLER FURNISHED WITH DOOR. COORDINATE EXACT REQUIREMENTS AND CONTROL LOCATION WITH DOOR SUPPLIER PRIOR TO ROUGH-IN.
- 11. MAKE 120V CONNECTION TO TRASH CHUTE CONTROLLED POWER. ROUTE CONTROLLER POWER UP TO TOP LEVEL AS REQUIRED. MAKE FIRE ALARM CONNECTION TO TRASH CHUTE CONTROLLER. EXTEND F/A CONNECTION UP THRU TOP LEVEL. AS REQUIRED, COORDINATE WITH TRASH CHUTE SUPPLIER PRIOR TO ROUGH-IN. POWER FLOOR SMOKE DAMPER FROM SAME CIRCUIT. EACH FLOOR SMOKE DAMPER REQUIRES F/A INTERFACE.
- 12. MAKE CONNECTION TO FRACTIONAL HP RE-CIRCULATION PUMP WITH #12 AWG. COORDINATE EXACT LOCATION WITH PLUMBING.
- 13. 100A/3/1/1 DISCONNECT SWITCH FOR WATER HEATER. ROUTE 3-#6, 1-#8(G)-1C. COORDINATE EXACT LOCATION WITH PLUMBING.
- 14. CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-50R RECEPTACLE AND CIRCUIT OF 3#6, #10G. FOR RANGE/OVEN. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- 15. FOR MICROWAVE/HOOD ABOVE RANGE. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
- 16. TWO DEDICATED RECEPTACLES FOR SECURITY/DOOR ACCESS SYSTEM HEAD-END EQUIPMENT. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 17. EXTERIOR DOOR CONTROLLED/MONITORED BY ACCESS/SECURITY SYSTEM. COORDINATE WIRING, CONTACTS, ELECTRIC STRIPES AND CARD READER REQUIREMENTS WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN. POWER FROM CIRCUIT INDICATED IF REQUIRED.
- 18. MOTORIZED DOOR WITH PUSHBUTTON CONTROL. POWER FROM CIRCUIT INDICATED.
- 19. SECURITY CAMERA WIRE BACK TO HEAD-END. COORDINATE WITH SYSTEM SUPPLIER PRIOR TO ROUGH-IN.

**KEY NOTES:**

- 1. COORDINATE CONDENSING UNIT LOCATIONS WITH MECHANICAL DRAWINGS AND INSTALLER.
- 2. THE CONTRACTOR SHALL FURNISH AND INSTALL ONE WP/GFI SERVICE RECEPTACLE WITH IN 25 FEET OF ALL OUTDOOR HVAC EQUIPMENT AND CIRCUIT TO A 20/1 POLE BREAKER IN NEAREST HOUSE PANEL.
- 3. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET ED- FOR CONNECTION DETAILS REGARDING ALL MECHANICAL EQUIPMENT (WATER HEATER, AHU'S, CONDENSING UNITS, ETC).
- 4. RECEPTACLES INSTALLED IN WET LOCATIONS SHALL HAVE A "WEATHERPROOF WHILE IN USE" COVER.
- 5. A MINIMUM OF 75 dB FOR FIRE ALARM ANNUNCIATION SHALL BE MAINTAINED IN EVERY OCCUPIED SPACE.
- 6. CONTRACTOR TO PROVIDE A PLaque AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES ON THE BUILDING AND THE AREA SERVED BY EACH.
- 7. UNLESS OTHERWISE NOTED, ALL WIRE SIZES TO BE #12. #14 WIRE PROTECTED BY A 15A BREAKER MAY BE USED WHERE ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND WHERE LOAD DOES NOT EXCEED 1800 WATTS.
- 8. RECEPTACLES INSTALLED IN WET LOCATIONS SHALL HAVE A "WEATHERPROOF WHILE IN USE" COVER.
- 9. RECEPTACLES AND OUTLETS/JACKS IN EXTERIOR WALLS & BATHROOM WALL ARE TO BE SET IN CMU WALL WITH CONDUIT WITHIN CMU WALL.
- 10. CONTRACTOR SHALL COORDINATE THE EXACT NUMBER OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER SHOP DRAWINGS.

**GENERAL NOTES:**

- 1. COORDINATE CONDENSING UNIT LOCATIONS WITH MECHANICAL DRAWINGS AND INSTALLER.
- 2. THE CONTRACTOR SHALL FURNISH AND INSTALL ONE WP/GFI SERVICE RECEPTACLE WITH IN 25 FEET OF ALL OUTDOOR HVAC EQUIPMENT AND CIRCUIT TO A 20/1 POLE BREAKER IN NEAREST HOUSE PANEL.
- 3. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET ED- FOR CONNECTION DETAILS REGARDING ALL MECHANICAL EQUIPMENT (WATER HEATER, AHU'S, CONDENSING UNITS, ETC).
- 4. RECEPTACLES INSTALLED IN WET LOCATIONS SHALL HAVE A "WEATHERPROOF WHILE IN USE" COVER.
- 5. A MINIMUM OF 75 dB FOR FIRE ALARM ANNUNCIATION SHALL BE MAINTAINED IN EVERY OCCUPIED SPACE.
- 6. CONTRACTOR TO PROVIDE A PLaque AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES ON THE BUILDING AND THE AREA SERVED BY EACH.
- 7. UNLESS OTHERWISE NOTED, ALL WIRE SIZES TO BE #12. #14 WIRE PROTECTED BY A 15A BREAKER MAY BE USED WHERE ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND WHERE LOAD DOES NOT EXCEED 1800 WATTS.
- 8. RECEPTACLES INSTALLED IN WET LOCATIONS SHALL HAVE A "WEATHERPROOF WHILE IN USE" COVER.
- 9. RECEPTACLES AND OUTLETS/JACKS IN EXTERIOR WALLS & BATHROOM WALL ARE TO BE SET IN CMU WALL WITH CONDUIT WITHIN CMU WALL.
- 10. CONTRACTOR SHALL COORDINATE THE EXACT NUMBER OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER SHOP DRAWINGS.

1 FIRST FLOOR PLAN - POWER  
1/8" = 1'-0"

**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7896 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

KEY PLAN		
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No: **A00132.00**

File Name: \_\_\_\_\_

Scale: 1/8" = 1'-0" Date: August 1, 2011

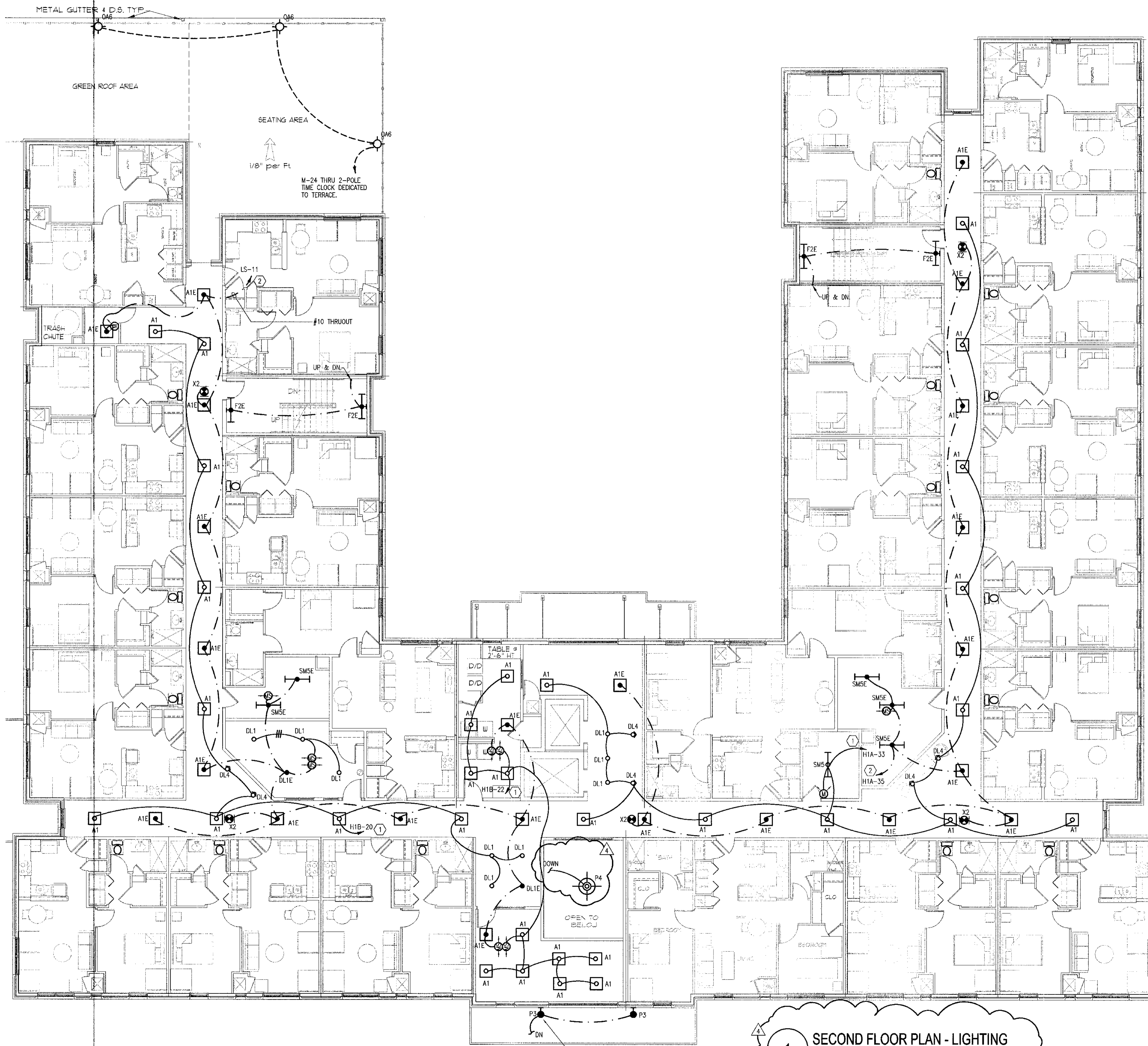
Drawing Title: **ELECT.-FLOOR PLAN - FIRST FLOOR POWER**

Sheet Number: **E1.01P**

Professional of Record: **Stewart Allen**  
Professional Registration No: **GA 3051**

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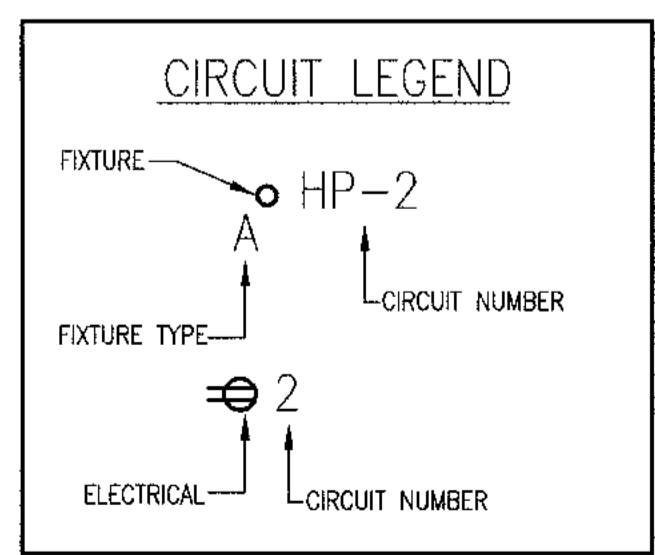
**GENERAL NOTES:**

- COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF EXTERIOR MOUNTED BUILDING LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.
- EXIT SIGNS TO BE PLACED AHEAD OF ALL SWITCHING.
- SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E0.1 FOR CONNECTION DETAILS REGARDING ALL MECHANICAL EQUIPMENT (WATER HEATER, AHU'S, CONDENSING UNITS, ETC).
- A MINIMUM OF 75 dba FOR FIRE ALARM ANNUNCIATION SHALL BE MAINTAINED IN EVERY OCCUPIED SPACE.
- CONTRACTOR TO PROVIDE A PLAQUE AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES ON THE BUILDING AND THE AREA SERVED BY EACH.
- ALL EMERGENCY LIGHTS (E) SHALL BE CONNECTED TO THE UNSWITCHED PHASE CONDUCTOR OF THE CIRCUIT SERVING THE RESPECTIVE AREA.
- UNLESS OTHERWISE NOTED, ALL WIRE SIZES TO BE #12. #14 WIRE PROTECTED BY A 15A BREAKER MAY BE USED WHERE ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND WHERE LOAD DOES NOT EXCEED 1400 WATTS.

**KEY NOTES:**

- 24 HOUR NORMAL POWER CIRCUIT.
- 24 HOUR GENERATOR POWER CIRCUIT. ROUTE #10 THRUOUT RUN TO PANEL LS. #12 TO PANEL LS2

**1 SECOND FLOOR PLAN - LIGHTING**  
1/8" = 1'-0"



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

---

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30306  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD. SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

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KEY PLAN		
Revision	Description	Date
4	Addendum#1 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No: **AH08132.00**

File Name: \_\_\_\_\_

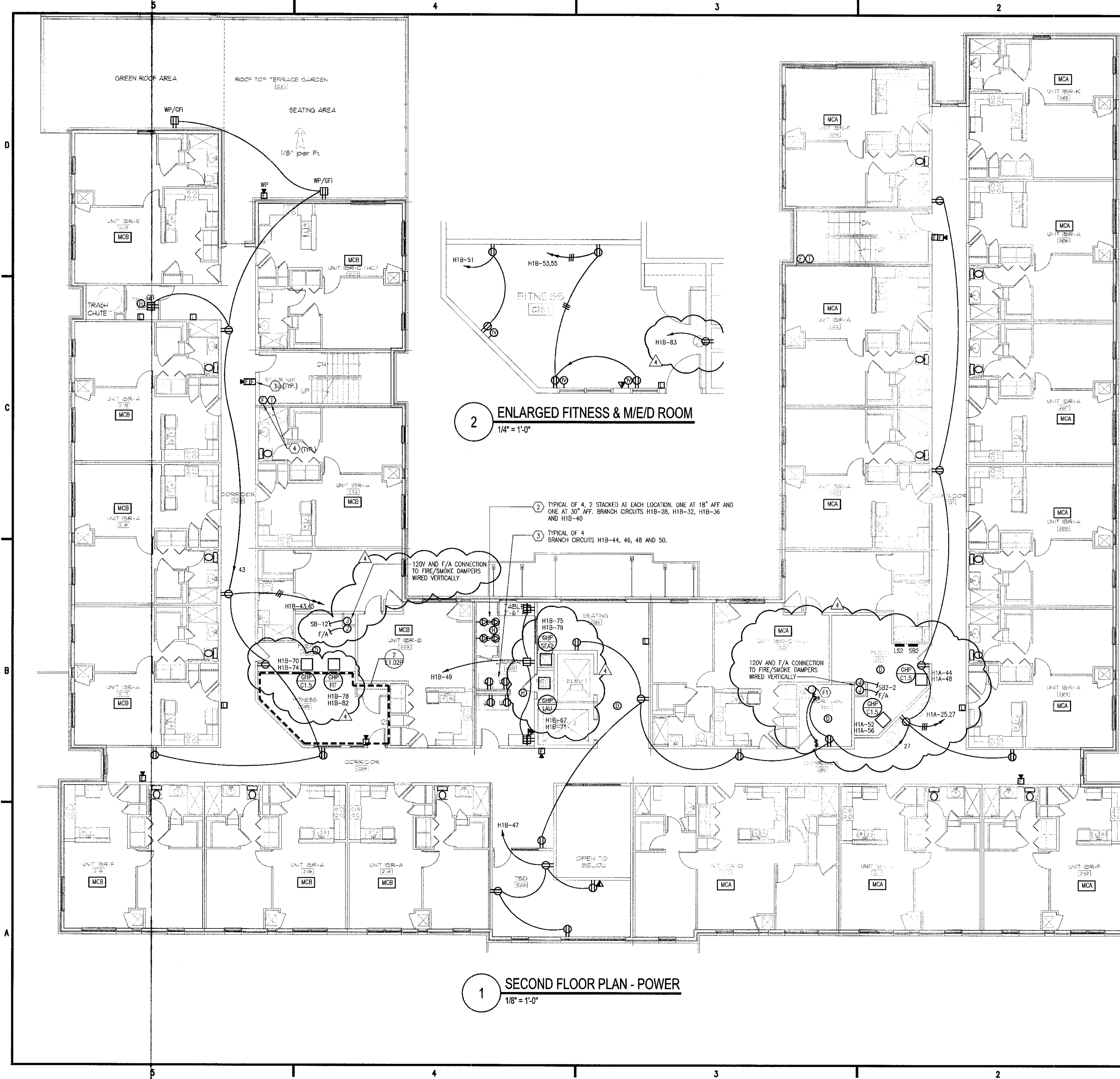
Scale: 1/8" = 1'-0" Date: August 1, 2011

Drawing Title: **ELECT.-FLOOR PLAN - SECOND FLOOR LIGHTING**

Sheet Number: **E1.02L**

Professional of Record: **Stewart Allan**  
Professional Registration No: GA 3051

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**2 ENLARGED FITNESS & M/E/D ROOM**  
1/4" = 1'-0"

**1 SECOND FLOOR PLAN - POWER**  
1/8" = 1'-0"

**GENERAL NOTES:**

- COORDINATE CONDENSING UNIT LOCATIONS WITH MECHANICAL DRAWINGS AND INSTALLER.
- SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E0... FOR CONNECTION DETAILS REGARDING ALL MECHANICAL EQUIPMENT (WATER HEATER, AHU'S, CONDENSING UNITS, ETC).
- A MINIMUM OF 75 dba FOR FIRE ALARM ANNUNCIATION SHALL BE MAINTAINED IN EVERY OCCUPIED SPACE.
- CONTRACTOR TO PROVIDE A PLAQUE AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES ON THE BUILDING AND THE AREA SERVED BY EACH.
- UNLESS OTHERWISE NOTED, ALL WIRE SIZES TO BE #12. #14 WIRE PROTECTED BY A 15A BREAKER MAY BE USED WHERE ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND WHERE LOAD DOES NOT EXCEED 1400 WATTS.
- CONTRACTOR SHALL COORDINATE THE EXACT NUMBER OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER SHOP DRAWINGS.
- RECEPTACLES INSTALLED IN WET LOCATIONS SHALL HAVE A "WEATHERPROOF WHILE IN USE" COVER.
- RECEPTACLES AND OUTLETS/JACKS IN EXTERIOR WALLS & BATHROOM WALL ARE TO BE SET IN CMU WALL WITH CONDUIT WITHIN CMU WALL.
- CONTRACTOR SHALL COORDINATE THE EXACT NUMBER OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER SHOP DRAWINGS.

**KEY NOTES:**

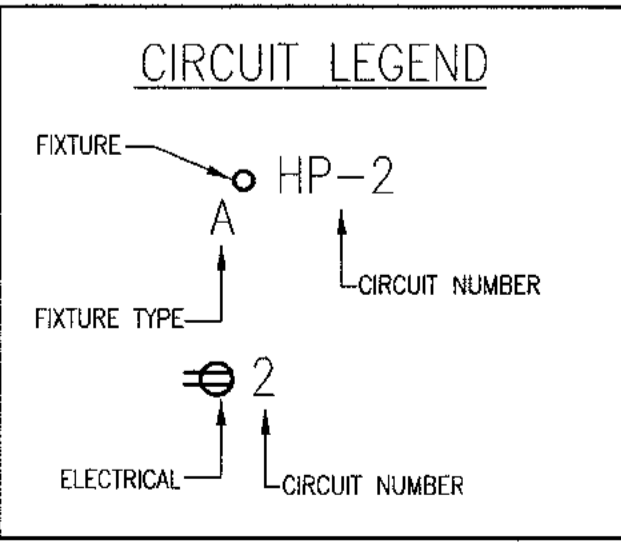
- PROVIDE AND INSTALL FIRE ALARM PULL STATIONS AND AUDIO/VISUAL DEVICES IN BUILDING CORRIDOR. SYSTEM AND EQUIPMENT SHALL CONFORM TO NFPA-72.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-30R RECEPTACLE AND CIRCUIT OF 3#10, #10G, FOR DRYER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 5-20R RECEPTACLE AND CIRCUIT OF 2#12, #12G, FOR WASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- LOCATION FOR FIRE SPRINKLER FLOW AND TAMPER SWITCHES. PROVIDE FOR CONNECTION TO FIRE ALARM CONTROL PANEL.

**LIVING UNIT LOADCENTER NOTES:**

- MCA** LOAD CENTER FED FROM METER CENTER GROUP "MCA". SEE LIVING UNIT LOAD CENTER SCHEDULES FOR FEEDER REQUIREMENTS.
- MCB** LOAD CENTER FED FROM METER CENTER GROUP "MCB". SEE LIVING UNIT LOAD CENTER SCHEDULES FOR FEEDER REQUIREMENTS.

**FAN CONNECTION KEY NOTES:**

- F1** 100W MAXIMUM FAN CONTROLLED BY WALL SWITCH. ALIGN SWITCH WITH ROOM LIGHTING SWITCH.



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

---

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7399 | LIC. NO. AA 0002442  
E: info@hadparch.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

---

KEY PLAN		
Revision	Description	Date
4	Addendum4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum2	2/24/11
1	Addendum1	2/19/11

Project No. **WH08132.00**

File Name \_\_\_\_\_

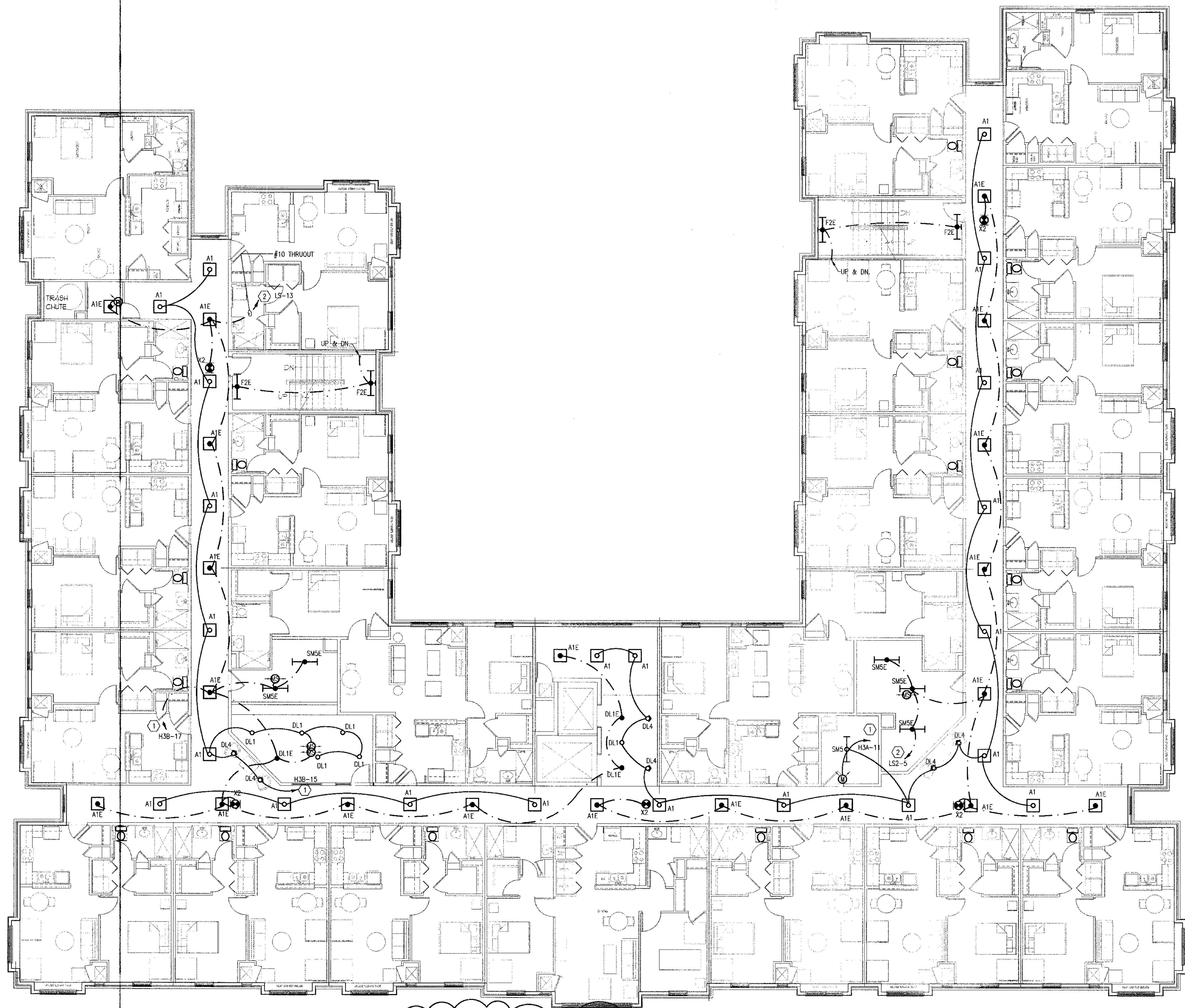
Scale	1/8" = 1'-0"	Date	August 1, 2011
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Drawing Title  
**ELECT.-FLOOR PLAN - SECOND FLOOR POWER**

Sheet Number  
**E1.02P**

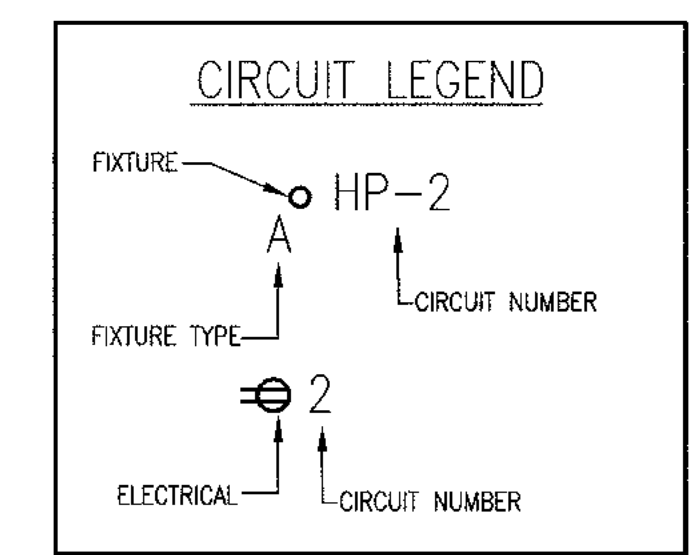
Professional of Record: **Stewart Allen**  
Professional Registration No: **GA 3051**

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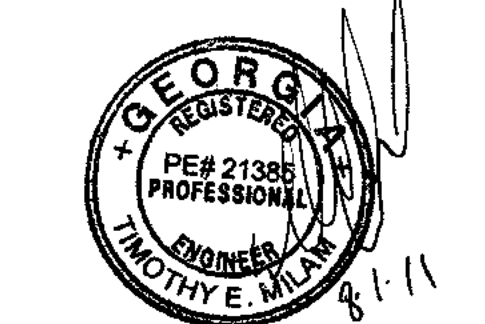
- GENERAL NOTES:**
- COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF EXTERIOR MOUNTED BUILDING LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.
  - EXIT SIGNS TO BE PLACED AHEAD OF ALL SWITCHING.
  - SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET ED.1 FOR CONNECTION DETAILS REGARDING ALL MECHANICAL EQUIPMENT (WATER HEATER, AHU'S, CONDENSING UNITS, ETC).
  - A MINIMUM OF 75 dba FOR FIRE ALARM ANNUNCIATION SHALL BE MAINTAINED IN EVERY OCCUPIED SPACE.
  - CONTRACTOR TO PROVIDE A PLAQUE AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES ON THE BUILDING AND THE AREA SERVED BY EACH.
  - ALL EMERGENCY LIGHTS (☐⊕⊖) SHALL BE CONNECTED TO THE UNSWITCHED PHASE CONDUCTOR OF THE CIRCUIT SERVING THE RESPECTIVE AREA.
  - UNLESS OTHERWISE NOTED, ALL WIRE SIZES TO BE #12. #14 WIRE PROTECTED BY A 15A BREAKER MAY BE USED WHERE ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND WHERE LOAD DOES NOT EXCEED 1400 WATTS.
  - ALL CIRCUITS SHOWN TO BE FED FROM BUILDING LOAD CENTER 'HP1' UNLESS OTHERWISE NOTED.

- KEY NOTES:**
- 24 HOUR NORMAL POWER CIRCUIT.
  - 24 HOUR GENERATOR POWER CIRCUIT. ROUTE #10 THRUOUT RUN TO PANEL LS. #12 TO PANEL LS2



**1 THIRD FLOOR PLAN - LIGHTING**  
1/8" = 1'-0"

FINAL CONSTRUCTION SET, AUGUST 1, 2011



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30306  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 0002442  
E: info@hadpmail.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

KEY PLAN		
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No. **AH00132.00**  
File Name

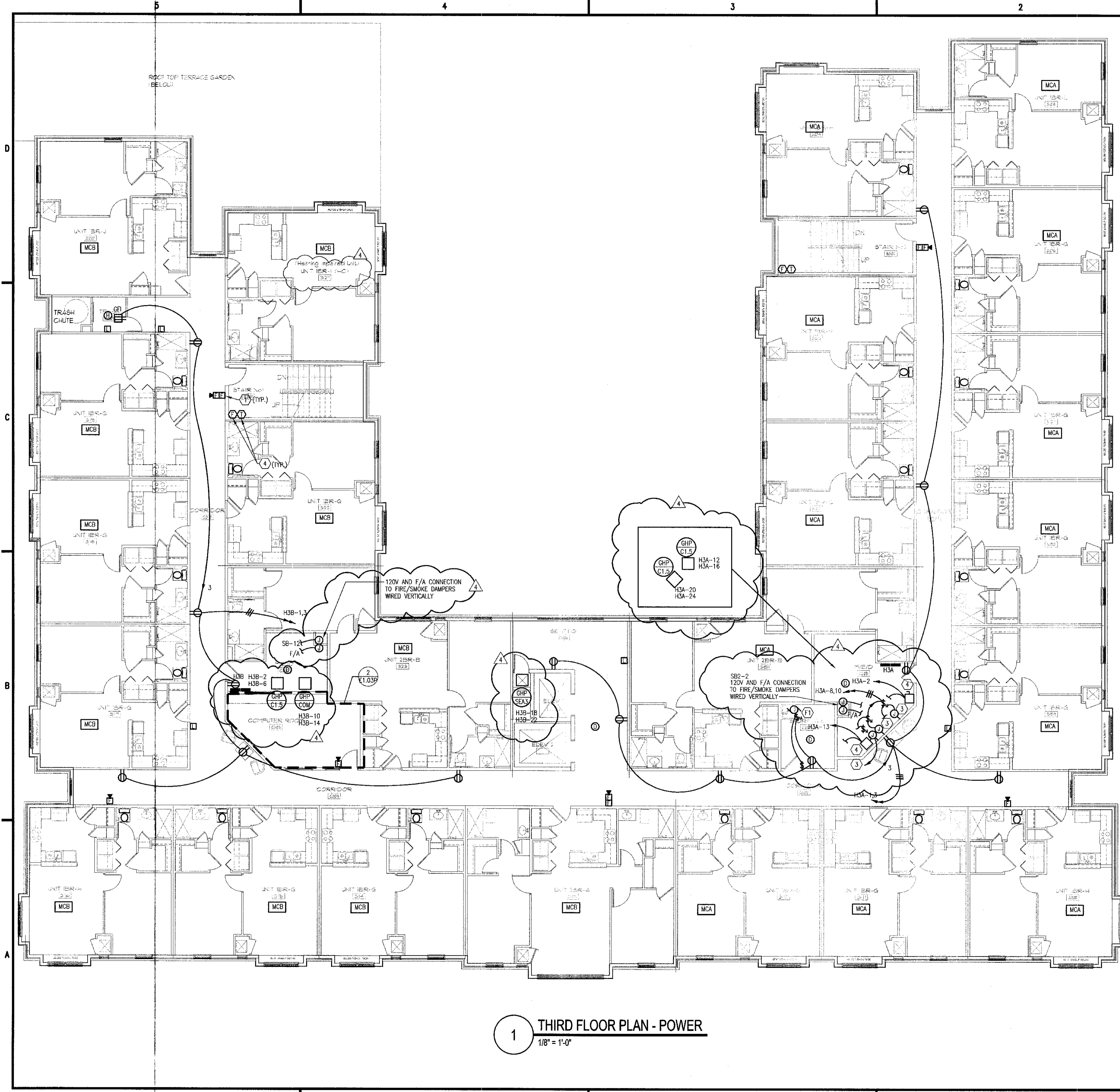
Scale **1/8" = 1'-0"** Date **August 1, 2011**

Drawing Title  
**ELECT.-FLOOR PLAN - THIRD FLOOR LIGHTING**

Sheet Number  
**E1.03L**

Professional of Record: **Stewart Allan**  
Professional Registration No: **GA 3051**  
Seal:

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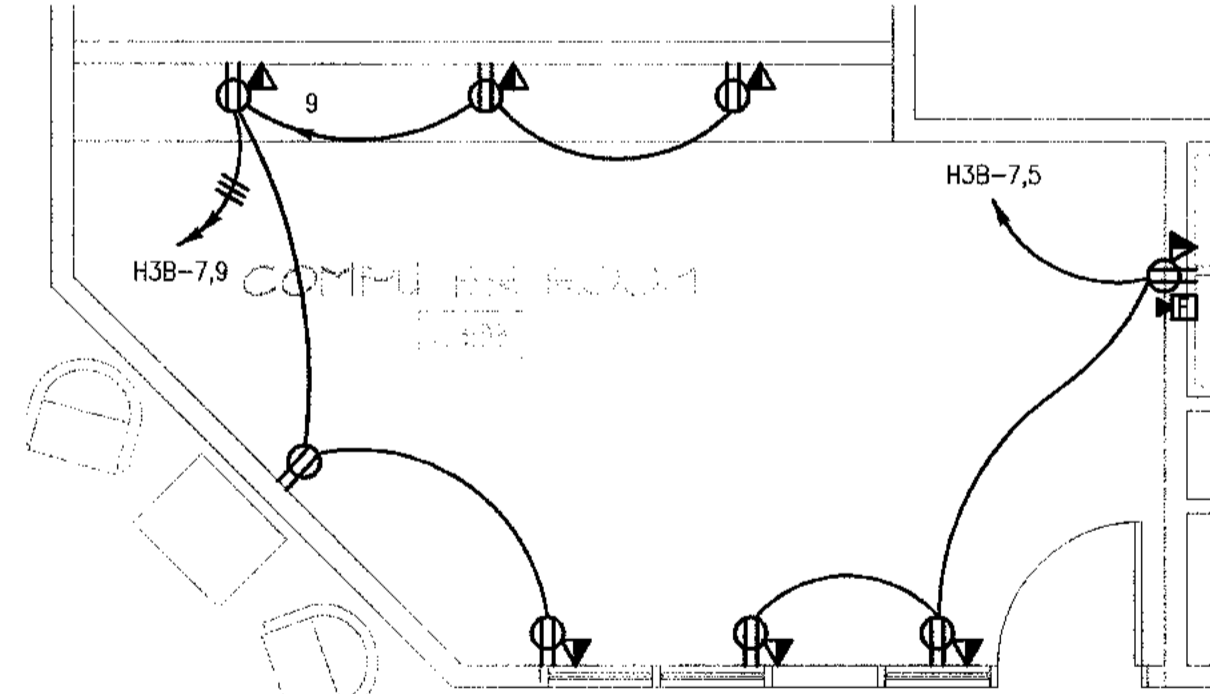
**1 THIRD FLOOR PLAN - POWER**  
1/8" = 1'-0"

- GENERAL NOTES:**
- COORDINATE CONDENSING UNIT LOCATIONS WITH MECHANICAL DRAWINGS AND INSTALLER.
  - SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E0... FOR CONNECTION DETAILS REGARDING ALL MECHANICAL EQUIPMENT (WATER HEATER, AHU'S, CONDENSING UNITS, ETC).
  - A MINIMUM OF 75 dba FOR FIRE ALARM ANNUNCIATION SHALL BE MAINTAINED IN EVERY OCCUPIED SPACE.
  - CONTRACTOR TO PROVIDE A PLAQUE AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES ON THE BUILDING AND THE AREA SERVED BY EACH.
  - UNLESS OTHERWISE NOTED, ALL WIRE SIZES TO BE #12. #14 WIRE PROTECTED BY A 15A BREAKER MAY BE USED WHERE ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND WHERE LOAD DOES NOT EXCEED 1400 WATTS.
  - CONTRACTOR SHALL COORDINATE THE EXACT NUMBER OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER SHOP DRAWINGS.
  - CONTRACTOR SHALL COORDINATE THE EXACT NUMBER OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER SHOP DRAWINGS.

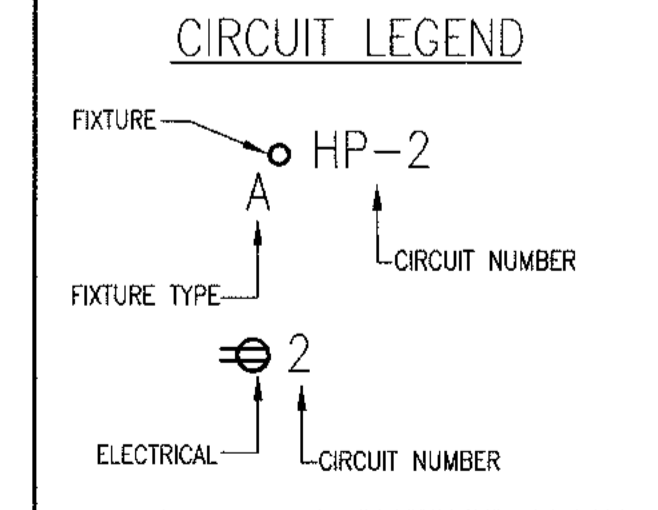
- KEY NOTES:**
- PROVIDE AND INSTALL FIRE ALARM PULL STATIONS AND AUDIO/VISUAL DEVICES IN BUILDING CORRIDOR. SYSTEM AND EQUIPMENT SHALL CONFORM TO NFPA-72.
  - LOCATION FOR FIRE SPRINKLER FLOW AND TAMPER SWITCHES. PROVIDE FOR CONNECTION TO FIRE ALARM CONTROL PANEL.
  - MAKE CONNECTION TO FRACTIONAL HP RE-CIRCULATION PUMP WITH #12 AWG. COORDINATE EXACT LOCATION WITH PLUMBING.
  - 100A/3/NF/1 DISCONNECT SWITCH FOR WATER HEATER ROUTE 3-#6, 1-#6(G)-1'C. COORDINATE EXACT LOCATION WITH PLUMBING.

- LIVING UNIT LOADCENTER NOTES:**
- MCA** LOAD CENTER FED FROM METER CENTER GROUP "MCA". SEE LIVING UNIT LOAD CENTER SCHEDULES FOR FEEDER REQUIREMENTS.
  - MCB** LOAD CENTER FED FROM METER CENTER GROUP "MCB". SEE LIVING UNIT LOAD CENTER SCHEDULES FOR FEEDER REQUIREMENTS.

- FAN CONNECTION KEY NOTES:**
- 100W MAXIMUM FAN CONTROLLED BY WALL SWITCH. ALIGN SWITCH WITH ROOM LIGHTING SWITCH.



**2 ENLARGED COMPUTER ROOM**  
1/4" = 1'-0"



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

---

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7366 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

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KEY PLAN		
Revision	Description	Date
4	Addendum 4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum 2	2/21/11
1	Addendum 1	2/10/11

Project No. **AH00132.00**

File Name \_\_\_\_\_

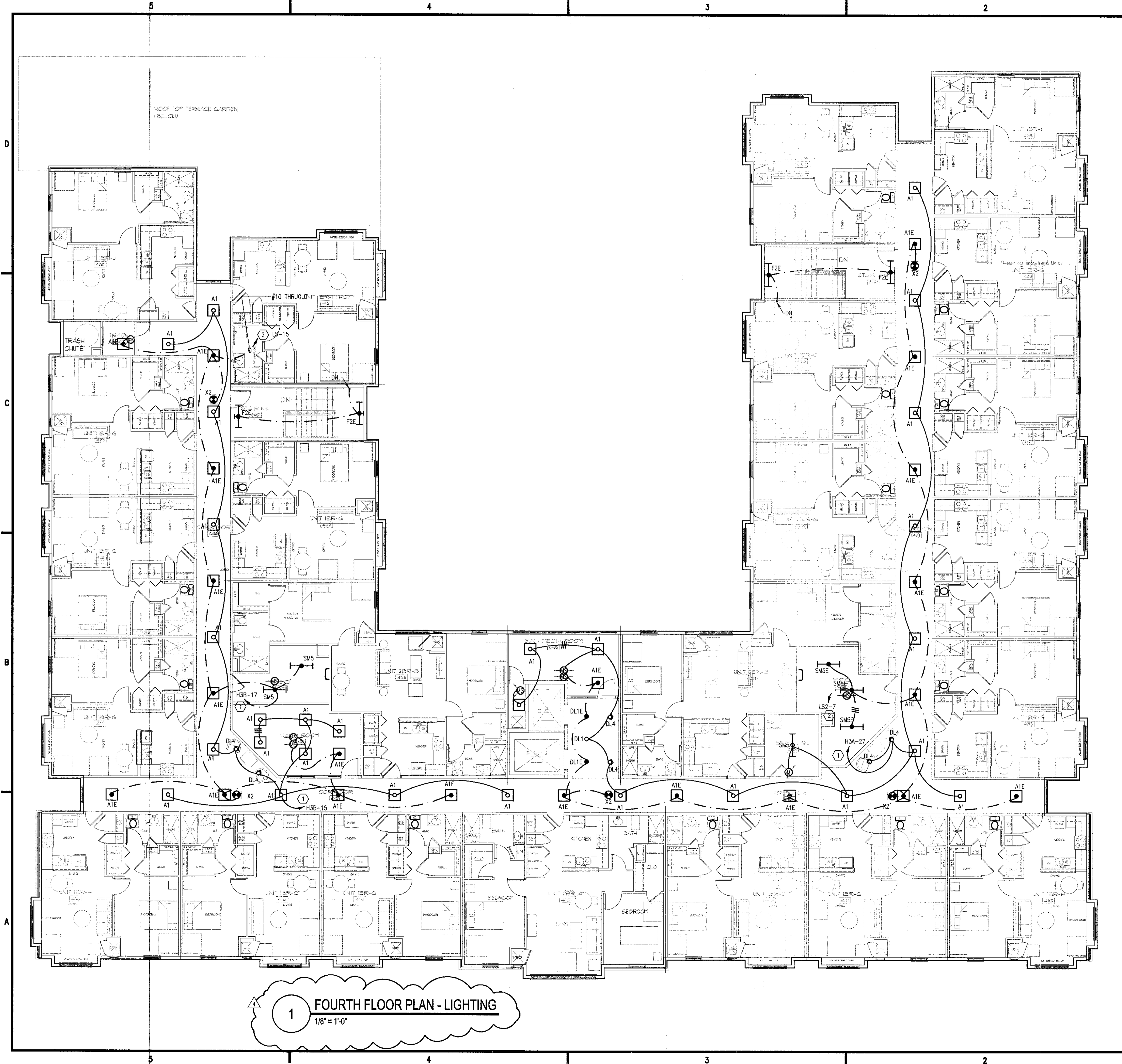
Scale **1/8" = 1'-0"** Date **August 1, 2011**

Drawing Title **ELECT.-FLOOR PLAN - THIRD FLOOR POWER**

Sheet Number **E1.03P**

Professional of Record: **Stewart Allan**  
Professional Registration No: **GA 3051**

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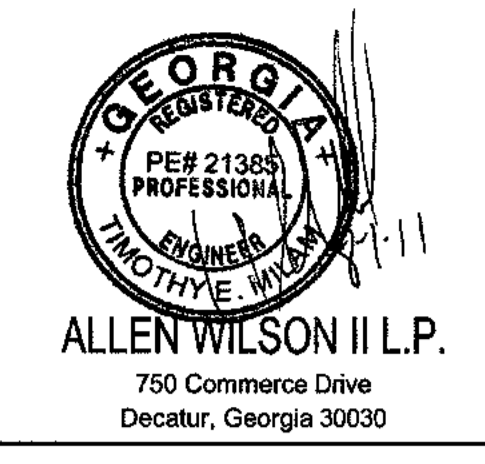
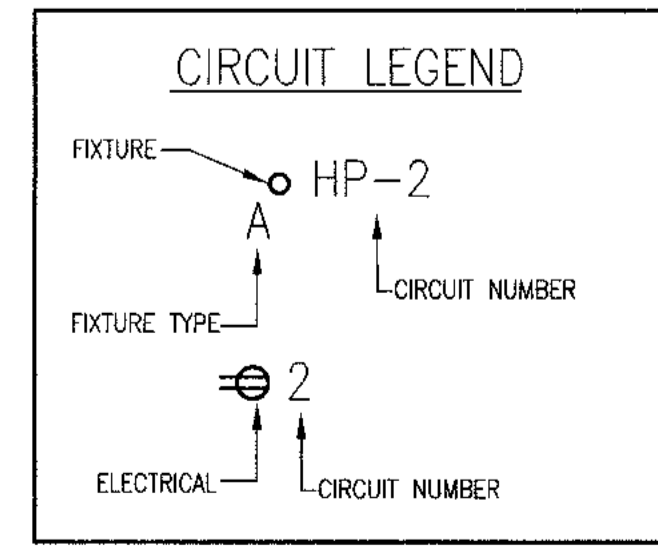
**1** FOURTH FLOOR PLAN - LIGHTING  
1/8" = 1'-0"

**GENERAL NOTES:**

- COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF EXTERIOR MOUNTED BUILDING LIGHT FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.
- EXIT SIGNS TO BE PLACED AHEAD OF ALL SWITCHING.
- SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E0.1 FOR CONNECTION DETAILS REGARDING ALL MECHANICAL EQUIPMENT (WATER HEATER, AHU'S, CONDENSING UNITS, ETC).
- A MINIMUM OF 75 dba FOR FIRE ALARM ANNUNCIATION SHALL BE MAINTAINED IN EVERY OCCUPIED SPACE.
- CONTRACTOR TO PROVIDE A PLAQUE AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES ON THE BUILDING AND THE AREA SERVED BY EACH.
- ALL EMERGENCY LIGHTS (☐) SHALL BE CONNECTED TO THE UNSWITCHED PHASE CONDUCTOR OF THE CIRCUIT SERVING THE RESPECTIVE AREA.
- UNLESS OTHERWISE NOTED, ALL WIRE SIZES TO BE #12. #14 WIRE PROTECTED BY A 15A BREAKER MAY BE USED WHERE ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND WHERE LOAD DOES NOT EXCEED 1400 WATTS.
- ALL CIRCUITS SHOWN TO BE FED FROM BUILDING LOAD CENTER 'HP1' UNLESS OTHERWISE NOTED.

**KEY NOTES:**

- 24 HOUR NORMAL POWER CIRCUIT.
- 24 HOUR GENERATOR POWER CIRCUIT. ROUTE #10 THRUOUT RUN TO PANEL LS-12 TO PANEL LS2



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 000242  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
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4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
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1	Addendum#1	2/10/11

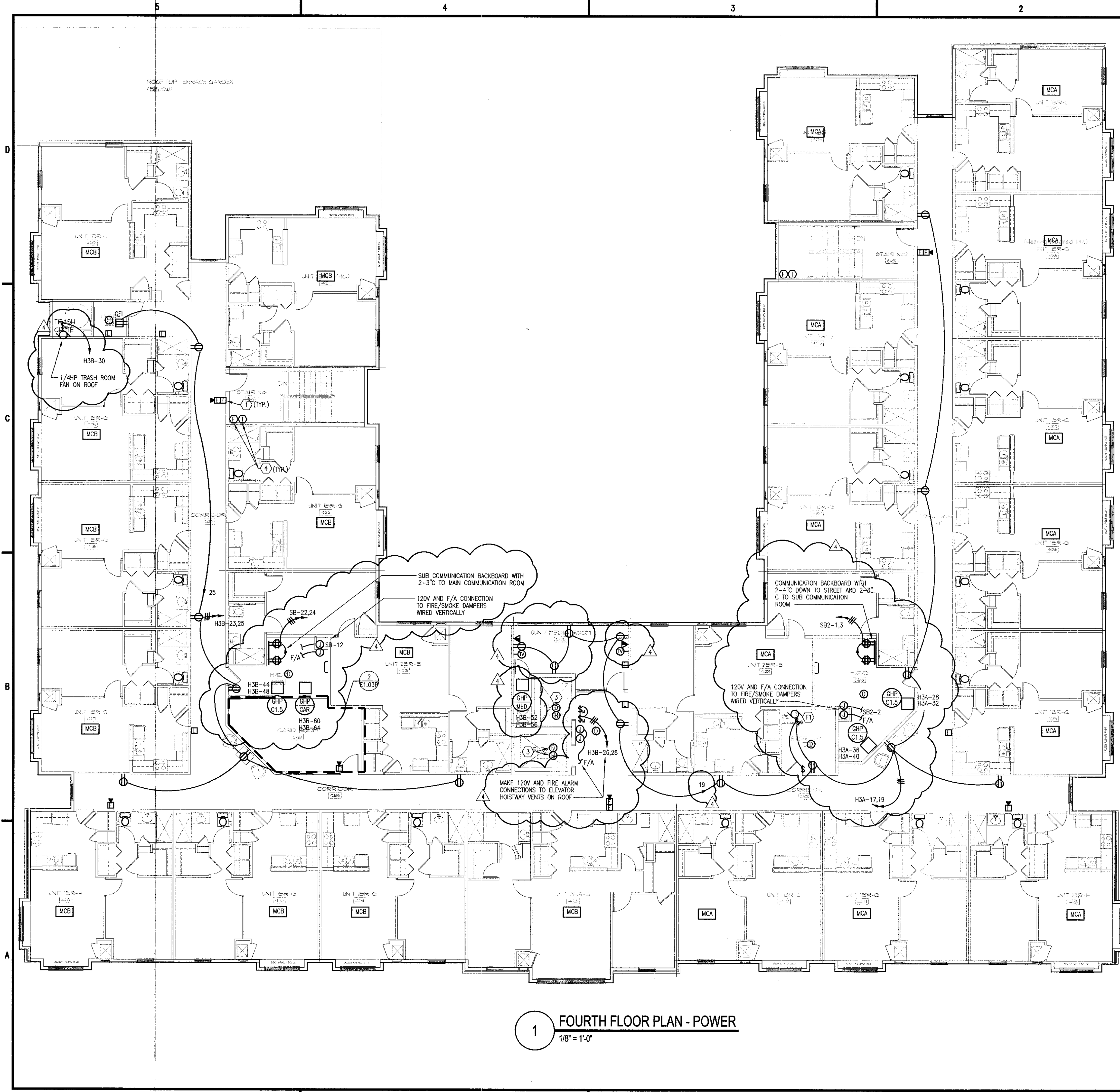
Project No. **AD0132.00**  
File Name

Scale **1/8" = 1'-0"** Date **August 1, 2011**

Drawing Title  
**ELECT.-FLOOR PLAN - FOURTH FLOOR LIGHTING**

Sheet Number  
**E1.04L**

Professional of Record: **Stewart Allen**  
Professional Registration No: **GA 3051**  
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**1** FOURTH FLOOR PLAN - POWER  
1/8" = 1'-0"

**GENERAL NOTES:**

- COORDINATE CONDENSING UNIT LOCATIONS WITH MECHANICAL DRAWINGS AND INSTALLER.
- SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E.O... FOR CONNECTION DETAILS REGARDING ALL MECHANICAL EQUIPMENT (WATER HEATER, AHU'S, CONDENSING UNITS, ETC).
- A MINIMUM OF 75 dba FOR FIRE ALARM ANNUNCIATION SHALL BE MAINTAINED IN EVERY OCCUPIED SPACE.
- CONTRACTOR TO PROVIDE A PLAQUE AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES ON THE BUILDING AND THE AREA SERVED BY EACH.
- UNLESS OTHERWISE NOTED, ALL WIRE SIZES TO BE #12, #14 WIRE PROTECTED BY A 15A BREAKER MAY BE USED WHERE ALLOWED BY THE AUTHORITY HAVING JURISDICTION AND WHERE LOAD DOES NOT EXCEED 1400 WATTS.
- CONTRACTOR SHALL COORDINATE THE EXACT NUMBER OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER SHOP DRAWINGS.
- CONTRACTOR SHALL COORDINATE THE EXACT NUMBER OF FLOW AND TAMPER SWITCHES WITH THE SPRINKLER SHOP DRAWINGS.

**KEY NOTES:**

- PROVIDE AND INSTALL FIRE ALARM PULL STATIONS AND AUDIO/VISUAL DEVICES IN BUILDING CORRIDOR. SYSTEM AND EQUIPMENT SHALL CONFORM TO NFPA-72.
- LOCATION FOR FIRE SPRINKLER FLOW AND TAMPER SWITCHES. PROVIDE FOR CONNECTION TO FIRE ALARM CONTROL PANEL.
- MOUNT IN TOP OF HOISTWAY. CONNECT TO SHUNT TRIP CIRCUIT BREAKER AND INTERLOCK WITH FIRE ALARM SYSTEM AS REQUIRED.

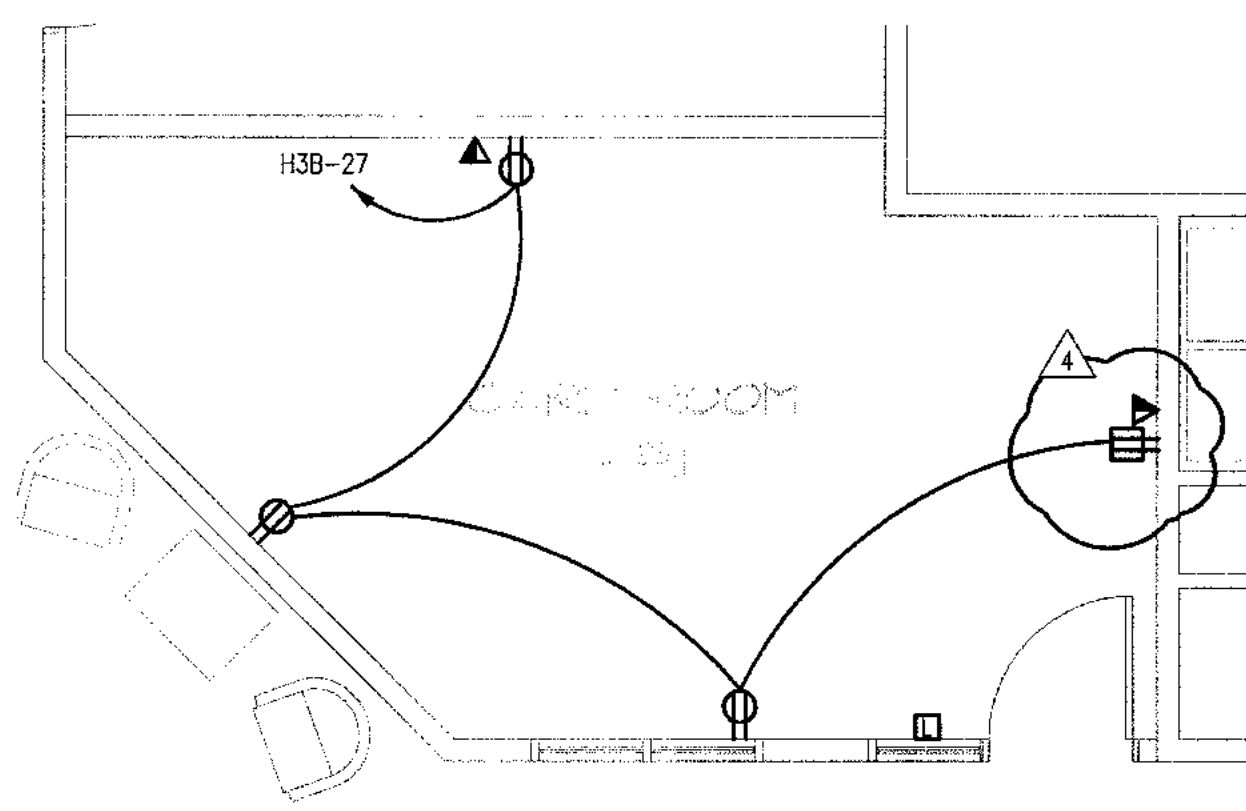
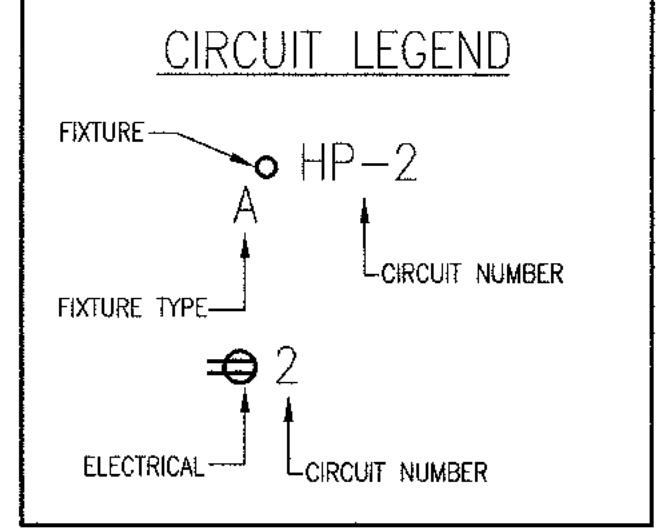
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- MCB** LOAD CENTER FED FROM METER CENTER GROUP "MCB". SEE LIVING UNIT LOAD CENTER SCHEDULES FOR FEEDER REQUIREMENTS.

**FAN CONNECTION KEY NOTES:**

- 100W MAXIMUM FAN CONTROLLED BY WALL SWITCH. ALIGN SWITCH WITH ROOM LIGHTING SWITCH.

**2** ENLARGED CARD ROOM  
1/4" = 1'-0"



**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
PE# 21355  
TIMOTHY E. MCKAY

**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4486 | F: 404.233.7306 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
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The Bitmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
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Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

**KEY PLAN**

Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/21/11
1	Addendum#1	2/15/11

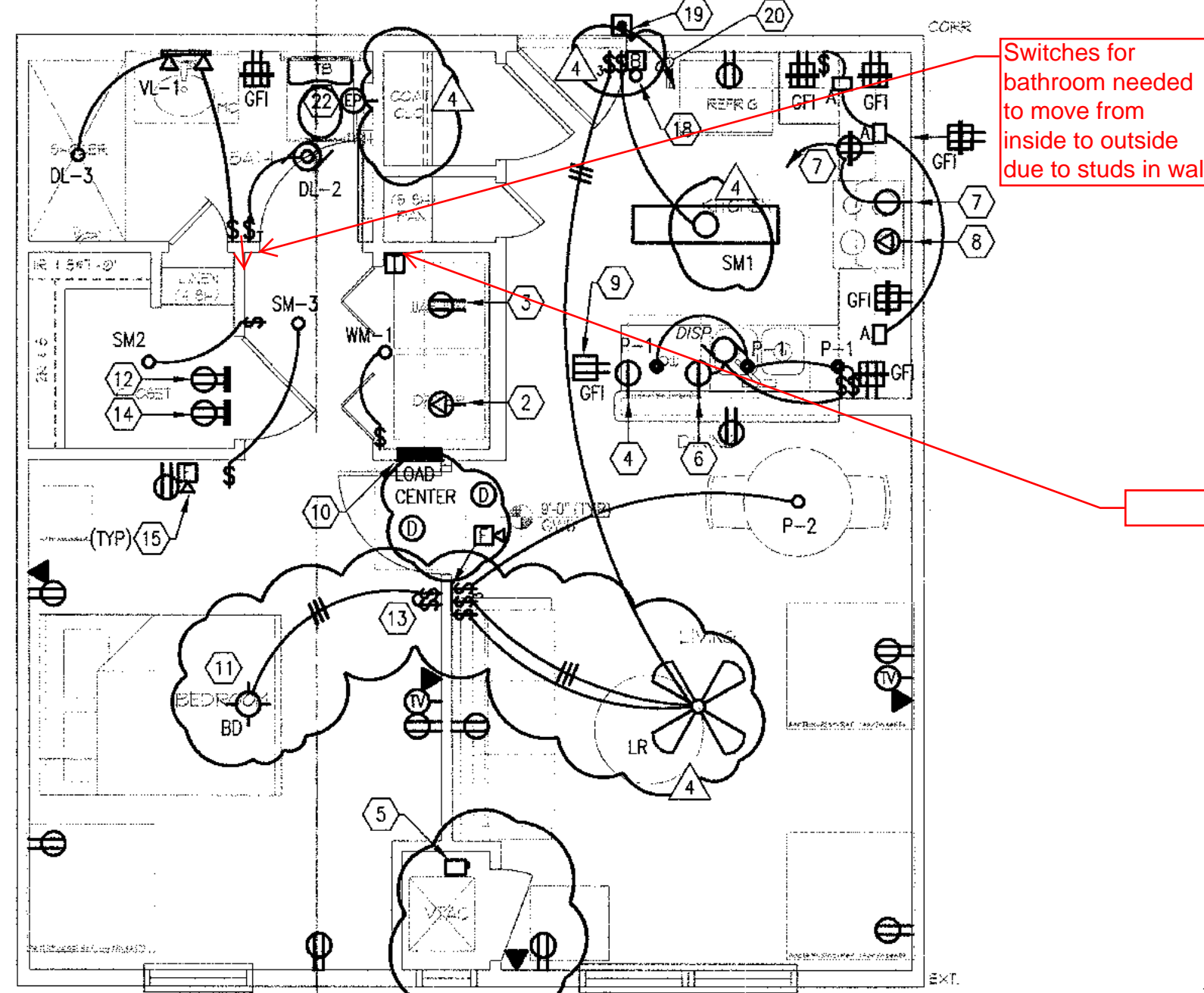
Project No. **AH06132.00**

File Name  
Scale **1/8" = 1'-0"** Date August 1, 2011  
Drawing Title

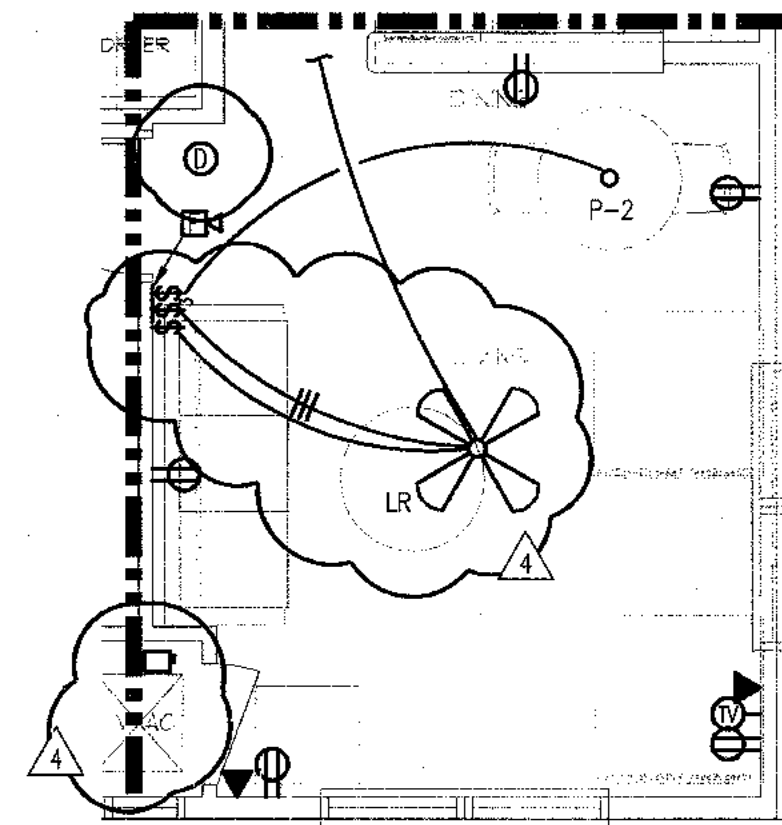
**ELECT.-FLOOR PLAN - FOURTH FLOOR POWER**  
Sheet Number **E1.04P**

Professional of Record: **Shawnt Allen**  
Professional Registration No: **GA 3051**  
Seal:  
This drawing contains information to be used exclusively for the production of Contract Documents for this Project. The Contract Documents of record are only those in force, which are either produced by HADP Architecture, Inc. and they bear our professional seal and our signature.

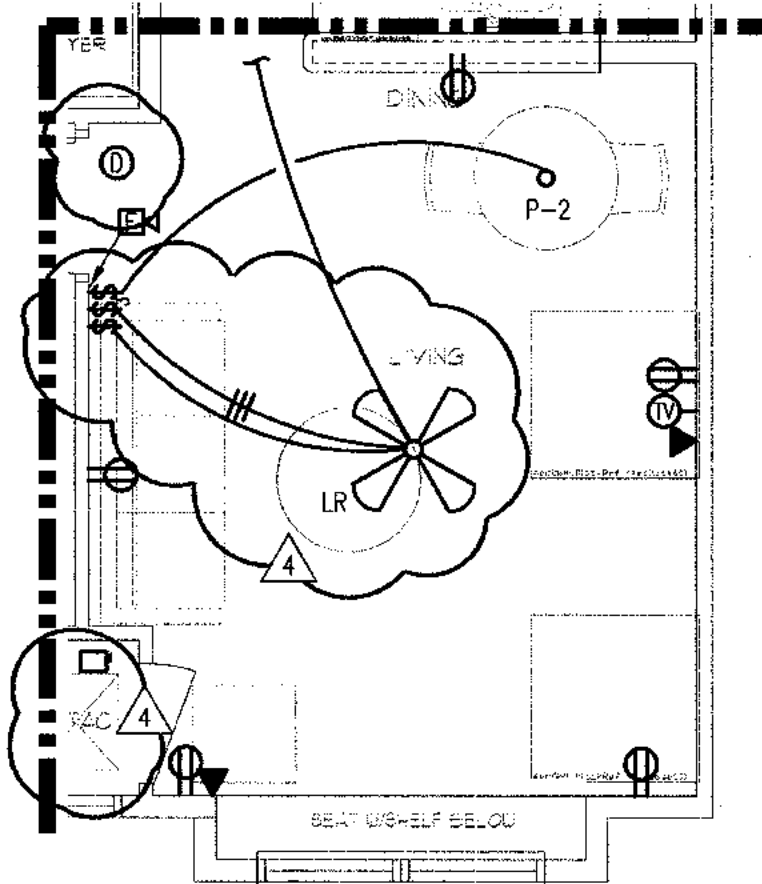




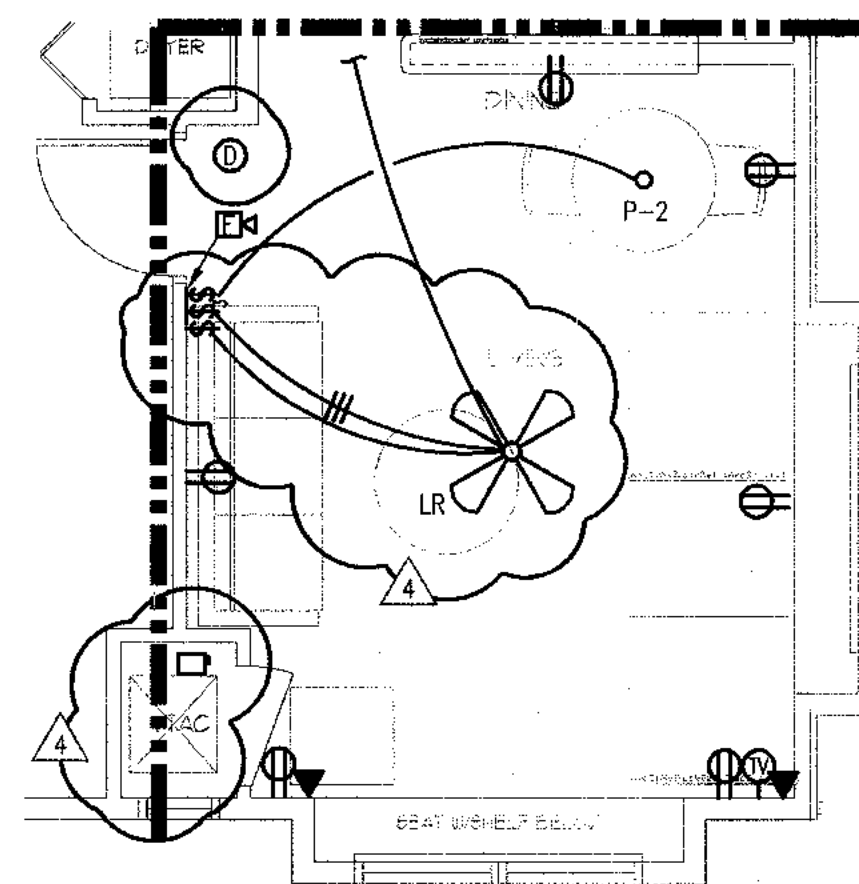
1 UNIT 1BR-A FLOOR PLAN  
1/4" = 1'-0"



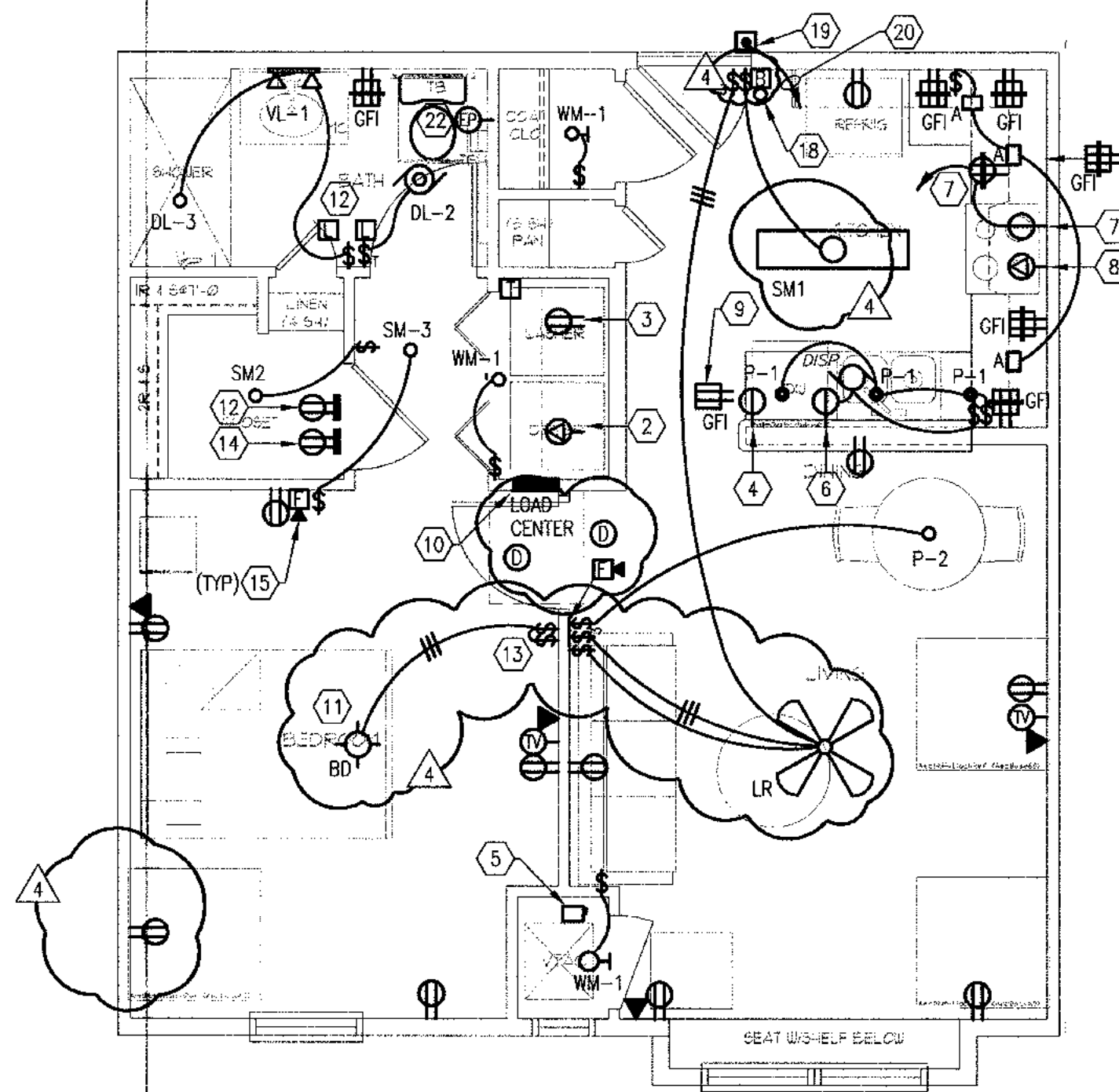
1b UNIT 1BR-F FLOOR PLAN - SIM TO 1BR-A  
1/4" = 1'-0"



1a UNIT 1BR-G FLOOR PLAN - SIM TO 1BR-A  
1/4" = 1'-0"



1c UNIT 1BR-H FLOOR PLAN - SIM TO 1BR-A  
1/4" = 1'-0"



1aa UNIT 1BR-G (Hearing Impaired Unit) FLOOR PLAN - SIM TO 1BR-A  
1/4" = 1'-0"

### LOAD CENTER SCHEDULE - 1BR-A

MAIN	125A MLO	VOLTAGE: 208/120	PHASE: 1	WIRE: 3 RECESSED MOUNTED	AIC: 10,000		
CKT #	TRIP	BKR	TYPE	DESCRIPTION	BKR TYPE	TRIP #	CKT #
1	50/2			RANGE		20/1	2
3				KITCHEN RECEPTACLES	AFCI	20/1	4
5	30/2			DRYER		20/1	6
7				DISPOSAL		20/1	8
9	20/1			MICROWAVE AND HOOD		20/1	10
11	25/2	HACR		HYAC EQUIPMENT		15/1	12
13				LIGHTS & RECEPTACLES	AFCI	15/1	14
15				SPACE		15/1	16
17				SPACE		15/1	18
19				SPACE		20	20
21				SPACE		22	22
23				SPACE		15/1	24

NOTES:  
 (1) BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.  
 (2)

### UNIT "1BR-A"

SQUARE FOOTAGE	589 SF	X	3 VA/SF	1.8 KVA
KITCHEN/LAUNDRY	4500 VA			4.5 KVA
RANGES	6000 VA			6.0 KVA
DRYERS	5000 VA			5.0 KVA
DISPOSALS	800 VA			0.8 KVA
DISHWASHERS	1200 VA			1.2 KVA
MICROWAVE/HOOD	1500 VA			1.5 KVA
WATER HEATERS	0 VA			0.0 KVA
SUBTOTAL				22.8 KVA
DEMAND FACTOR	10.0 KVA	X	100 %	10.0 KVA
REMAINDER	12.8 KVA	X	40 %	5.1 KVA
HWAC (HEAT PUMP)	1.9 KVA	X	100 %	1.9 KVA
HWAC (COOLING)	N/A	X	100 %	KVA
HWAC (HEATING)	3.3 KVA	X	100 %	3.3 KVA
N.E.C. 220-82				
TOTAL				20.3 KVA
VOLTAGE: 208/120 PHASE: 1				97.6 AMPS

- ### PANELBOARD NOTES
- CONFIRM SIZES & CONNECTION W/ FINAL MECHANICAL EQUIPMENT.
  - NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
  - PRIOR TO FINAL ORDERING OF PANELBOARDS, CIRCUIT BREAKERS, AND ALL ASSOCIATED EQUIPMENT, THE CONTRACTOR SHALL ARRANGE FOR AND PROVIDE TO THE ELECTRICAL ENGINEER OF RECORD VIA THE ARCHITECT A LETTER FROM THE LOCAL POWER COMPANY ON THEIR LETTERHEAD STATING THE SHORT CIRCUIT FAULT CURRENT AVAILABLE AT THE SECONDARY OF THE UTILITY COMPANY TRANSFORMER. INFORMATION SHALL BE USED TO DETERMINE THE FINAL A.I.C. RATINGS OF THE PANELBOARDS, METER CENTERS, MAIN DISCONNECT SWITCHES AND CIRCUIT BREAKERS.

- ### SPECIAL NOTES:
- ALL RECEPTACLES WITHIN LIVING UNITS SHALL BE "TAMPER RESISTANT" TYPE.
  - ALL 15 AND 20 AMP SINGLE PHASE BRANCH CIRCUITS SUPPLYING LIGHTS, RECEPTACLES, AND SMOKE DETECTORS WITHIN LIVING UNITS SHALL BE PROTECTED BY A LISTED "ARC FAULT CIRCUIT INTERRUPTER" BREAKER INCLUDING THE KITCHEN/SMALL APPLIANCE CIRCUIT. EXEMPT CIRCUITS INCLUDE BATHROOMS, KITCHENS, LAUNDRY ROOMS, GARAGES, AND OUTDOOR RECEPTACLES.

- ### ACCESSIBLE UNIT GENERAL NOTES:
- SMOKE DETECTOR SHALL HAVE 110CD VISUAL DEVICE AND SHALL FUNCTION IN UNISON WITH DETECTOR. DEVICE SHALL BE MOUNTED AT 80" AFF OR 6" BELOW CEILING WHICH EVER IS LOWER. SMOKE DETECTOR SHALL BE MOUNTED BETWEEN 4" AND 12" BELOW CEILING. REFER TO ARCHITECTURAL ELEVATION DRAWINGS. PROVIDE RELAY TO LOCALLY ACTIVATE BATHROOM STROBE IN ACCESSIBLE UNITS.
  - MINI HORN SHALL BE EQUIPPED WITH VISUAL DEVICE (STROBE). PROVIDE (2) STROBES IN ACCESSIBLE BATHROOM, FOR LOCAL AND BUILDING ALARMS.
  - FURNISH AND INSTALL HANDICAP DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE AS SHOWN. PUSH BUTTON (1), TRANSFORMER (1), BELL/STROBE (2). QUANTITY OF DEVICES AS SHOWN ON DRAWINGS. BELL/STROBE DEVICES MOUNTED AT 80" AFF. TRANSFORMERS CAN BE REMOTE MOUNTED. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND CONTROL WIRING.

- ### GENERAL NOTES:
- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE SHEET E-7 FOR ALL HVAC INFORMATION.
  - FOR HANDICAPPED UNITS, RANGE HOOD SWITCHES ARE TO BE MOUNTED 44" A.F.F.
  - RECEPTACLES SERVING LAUNDRY, KITCHEN, AND BATHROOM COUNTERS/BASINS TO BE GFCI PROTECTED.
  - WITHIN ALL HANDICAP ACCESSIBLE UNITS, ALL AUDIBLE FIRE ALARM DEVICES SHALL HAVE INTEGRAL VISUAL NOTIFICATION.
  - PROVIDE DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE IN ALL HANDICAPPED UNITS. PROVIDE ALL NECESSARY HARDWARE AND CONTROL WIRING.
  - WALL MOUNTED SMOKE DETECTORS SHALL BE INSTALLED WITH THE TOP OF THE DETECTOR 4" TO 12" FROM THE CEILING.
  - EACH BATHROOM SHALL HAVE A SEPARATE CIRCUIT FOR ALL OUTLETS AND EQUIPMENT LOCATED WITHIN THE BATHROOM. NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
  - ENSURE ALL BATHROOM COUNTER TOP RECEPTACLES MOUNTED BELOW MEDICINE CABINETS ARE FUNCTIONAL WHEN MEDICINE CABINETS ARE CLOSED. ALIGN WITH LIGHTING SWITCH.
  - UNLESS NOTED OTHERWISE, ALL WIRING TO BE #12 AWG. #14 AWG. SHALL BE PERMITTED ON 15 AMPS CIRCUITS WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

- ### KEY NOTES:
- SMOKE DETECTORS SHALL BE 120V WITH BATTERY BACK UP AND HAVE BUILT-IN STROBES IN ADAPTABLE UNITS. DETECTORS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, AND TIP OF A CEILING FAN BLADE.
  - CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-30R RECEPTACLE AND CIRCUIT OF 3#10, #10G. FOR DRYER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
  - CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 5-20R RECEPTACLE AND CIRCUIT OF 2#12, #12G. FOR WASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
  - CONTRACTOR SHALL FURNISH AND INSTALL SINGLE RECEPTACLE FOR CONNECTION OF DISHWASHER. RECEPTACLE MAY BE DELETED AND A JUNCTION BOX USED IF DISHWASHER IS DESIGNED FOR HARD WIRE.
  - PROVIDE U.L. LISTED NEMA DISCONNECT TO AHU. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL INSTALLATION AND DISCONNECT REQUIREMENTS. A LOCK-OFF CIRCUIT BREAKER MAY BE USED INSTEAD OF A DISCONNECT SWITCH WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
  - CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE RECEPTACLE AT 11" ABOVE INSIDE CABINET FOR CONNECTION OF DISPOSER. SWITCH TO CONTROL DISPOSER. RECEPTACLE MAY BE DELETED IF DISPOSAL IS DESIGNED FOR HARDWIRED. ALL HANDICAP UNITS SHALL BE HARDWIRED, AND MOUNTED SWITCH IN FACE OF CABINET.
  - PROVIDE SINGLE 20A RECEPTACLE IN CABINetry FOR HOOD. POWER WITH MICROWAVE COORDINATE EXACT LOCATION OF BOTH OUTLETS WITH ARCHITECTURAL ELEVATIONS.
  - CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-50R RECEPTACLE AND CIRCUIT OF 3#6, #10G. FOR RANGE/OVEN. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
  - RECEPTACLE SHALL NOT BE INSTALLED LOWER THAN 12" BELOW COUNTER TOP.
  - CONTRACTOR SHALL INSTALL LOAD CENTER FLUSH MOUNTED. COORDINATE INSTALLATION IN HC UNIT WITH GRAB BAR MOUNTING.
  - PROVIDE CEILING FAN RATED JUNCTION BOX FOR FIXTURE SM2.
  - CONTRACTOR SHALL FURNISH AND INSTALL A NETWORK INTERFACE UNIT FOR TERMINATION OF COMMUNICATION CABLES ABOVE DOOR. PROVIDE RECEPTACLES FOR TELCO, METERING, SECURITY, AND ALL OTHER SYSTEMS AS REQUIRED. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
  - NOT USED.
  - CONTRACTOR SHALL FURNISH AND INSTALL A SECURITY SYSTEM ABOVE DOOR. PROVIDE RECEPTACLE FOR SECURITY SYSTEM. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
  - CONTRACTOR TO COORDINATE ALL HORN LOCATION WITHIN THE DWELLING UNIT TO PROVIDE SOUND LEVEL AS REQUIRED.
  - MOUNT ON SIDE OF CABINET. NO MORE THAN 12" BELOW TOP OF COUNTER TOP.
  - NOT USED.
  - DOOR BELL CHIME.
  - DOORBELL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH-IN.
  - CONNECT TO CORRESPONDING UNIT DOORBELL CHIME.
  - ACCESSIBLE UNIT BATHROOM SHALL HAVE TWO STORBES, ONE FOR LOCAL ALARM AND ONE FOR BUILDING ALARM.
  - EMERGENCY PULL CORD IN BATHROOM. WIRE BACK TO SYSTEM PROVIDERS HEAD-END EQUIPMENT. COORDINATE WIRING AND ROUTING WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN.

**ALLEN WILSON II L.P.**  
 750 Commerce Drive  
 Decatur, Georgia 30030  
  
 ALLEN WILSON  
**OLIVER HOUSE**  
 Commerce Drive  
 Decatur, Georgia

**HADP ARCHITECTURE, INC.**  
 2722 Piedmont Rd NE | ATLANTA | GEORGIA 30305  
 T: 404.233.4466 | F: 404.233.7396 | LIC. No. AA 000242  
 E: info@hadp.com | www.hadp.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
 817 West Peachtree Street  
 The Biltmore, Suite 601  
 Atlanta, GA 30308 Phone: 404-201-6122  
 Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
 6250, SHILON RD, SUIT 330  
 ALPHARETTA, GA 30005  
 Ph: 678-513-4242  
 Contact: JOHN FLANNIGAN

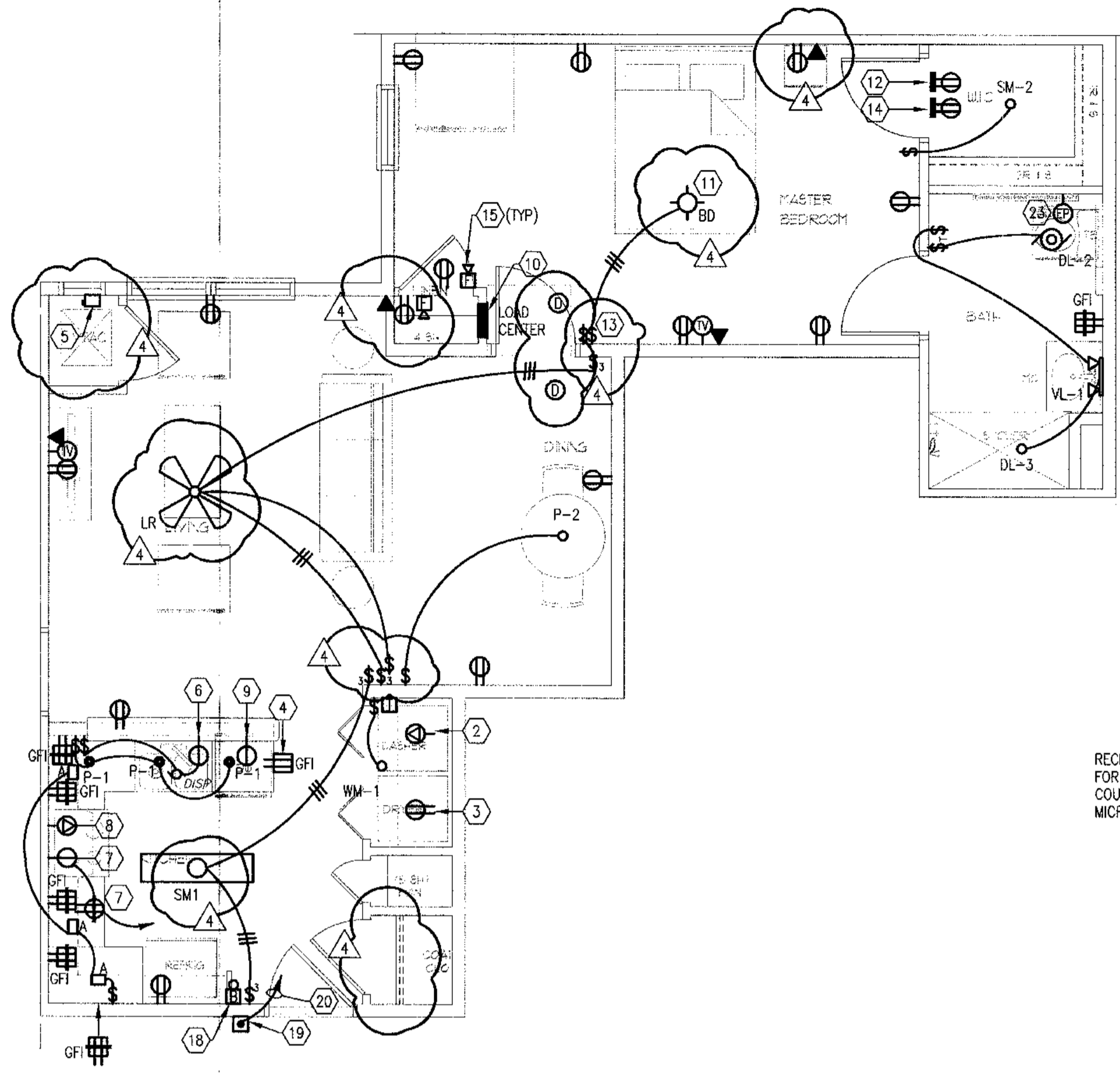
Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
 4275 Shackelford Road, Suite 200  
 Norcross, GA 30093  
 770-447-5547 Fax: 770-448-0262  
 Contact: VERN SMITH

### KEY PLAN

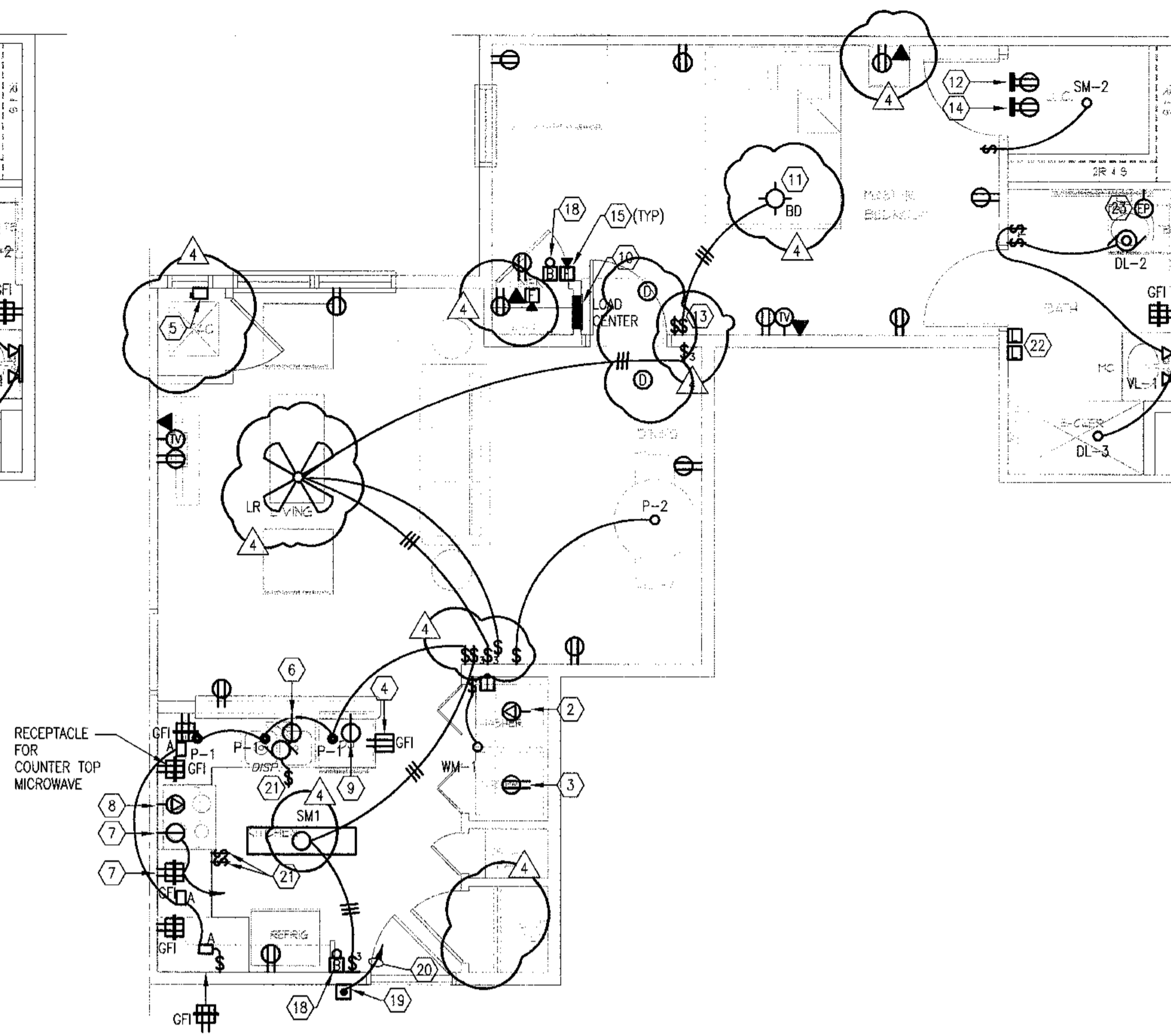
Revision	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11

Project No. **1108132.00**  
 File Name  
 Scale **1/8" = 1'-0"** Date August 1, 2011  
 Drawing Title  
**UNIT 1BR-A, 1BR-F, 1BR-G & 1BR-H PLANS-ELECTRICAL**  
 Sheet Number  
**E4.01**  
 Professional of Record: **Stewart Allan**  
 Professional Registration No: **GA 3051**  
 Seal:

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1 UNIT 1BR-B FLOOR PLAN  
1/4" = 1'-0"



2 UNIT 1BR-D FLOOR PLAN-HC UNIT, SIM TO 1BR-B  
1/4" = 1'-0"

**LOAD CENTER SCHEDULE - 1BR-B**

MAIN: 125A MLO		VOLTAGE: 208/120		PHASE: 1		WIRE: 9		RECESSED MOUNTED		AIC: 10,000		
CKT #	TRIP	BKR	POLE	TYPE	DESCRIPTION	PHASE	A	B	DESCRIPTION	BKR	TRIP	CKT #
1	50/2				RANGE				KITCHEN RECEPTACLES		20/1	2
3									KITCHEN RECEPTACLES	AFCI	20/1	4
5	30/2				DRYER				DISHWASHER		20/1	6
7									DISPOSAL		20/1	8
9	20/1				MICROWAVE AND HOOD				WASHER		20/1	10
11	20/2			HACR	OUTDOOR HVAC				BATHROOM CIRCUIT		20/1	12
13									LIGHTS & RECEPTACLES	AFCI	15/1	14
15	25/2			HACR	INDOOR HVAC				LIGHTS & RECEPTACLES	AFCI	15/1	16
17									SPACE			18
19					SPACE				SPACE			20
21					SPACE				SPACE			22
23									REFRIGERATOR		15/1	24

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

**UNIT "1BR-B"**

SQUARE FOOTAGE	666	SF	X	3	VA/SF	2.0	KVA	
KITCHEN/LAUNDRY	4500	VA				4.5	KVA	
RANGES	8000	VA				8.0	KVA	
DRYERS	5000	VA				5.0	KVA	
DISPOSALS	800	VA				0.8	KVA	
DISHWASHERS	1200	VA				1.2	KVA	
MICROWAVE/HOOD	1500	VA				1.5	KVA	
WATER HEATERS	0	VA				0.0	KVA	
<b>SUBTOTAL</b>							23.0	KVA
DEMAND FACTOR								
1ST 10 KW	100	KVA	X	100	%	10.0	KVA	
REMAINDER	13.0	KVA	X	40	%	5.2	KVA	
HVAC (HEAT PUMP)	2.9	KVA	X	100	%	2.9	KVA	
HVAC (COOLING)	N/A	KVA	X	100	%		KVA	
HVAC (HEATING)	5.2	KVA	X	65	%	3.4	KVA	
N.E.C. 220-82								
<b>TOTAL</b>						21.5	KVA	
							103.3	AMPS

VOLTAGE: 208/120 PHASE: 1

**PANELBOARD NOTES**

- CONFIRM SIZES & CONNECTION W/ FINAL MECHANICAL EQUIPMENT.
- NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
- PRIOR TO FINAL ORDERING OF PANELBOARDS, CIRCUIT BREAKERS, AND ALL ASSOCIATED EQUIPMENT, THE CONTRACTOR SHALL ARRANGE FOR AND PROVIDE TO THE ELECTRICAL ENGINEER OF RECORD VIA THE ARCHITECT A LETTER FROM THE LOCAL POWER COMPANY ON THEIR LETTERHEAD STATING THE SHORT CIRCUIT FAULT CURRENT AVAILABLE AT THE SECONDARY OF THE UTILITY COMPANY TRANSFORMER. INFORMATION SHALL BE USED TO DETERMINE THE FINAL A.I.C. RATINGS OF THE PANELBOARDS, METER CENTERS, MAIN DISCONNECT SWITCHES AND CIRCUIT BREAKERS.

**SPECIAL NOTES:**

- ALL RECEPTACLES WITHIN LIVING UNITS SHALL BE "TAMPER RESISTANT" TYPE.
- ALL 15 AND 20 AMP SINGLE PHASE BRANCH CIRCUITS SUPPLYING LIGHTS, RECEPTACLES, AND SMOKE DETECTORS WITHIN LIVING UNITS SHALL BE PROTECTED BY A LISTED "ARC FAULT CIRCUIT INTERRUPTER" BREAKER INCLUDING THE KITCHEN/SMALL APPLIANCE CIRCUIT, EXCEPT CIRCUITS INCLUDE BATHROOMS, KITCHENS, LAUNDRY ROOMS, GARAGES, AND OUTDOOR RECEPTACLES.

**ACCESSIBLE UNIT GENERAL NOTES:**

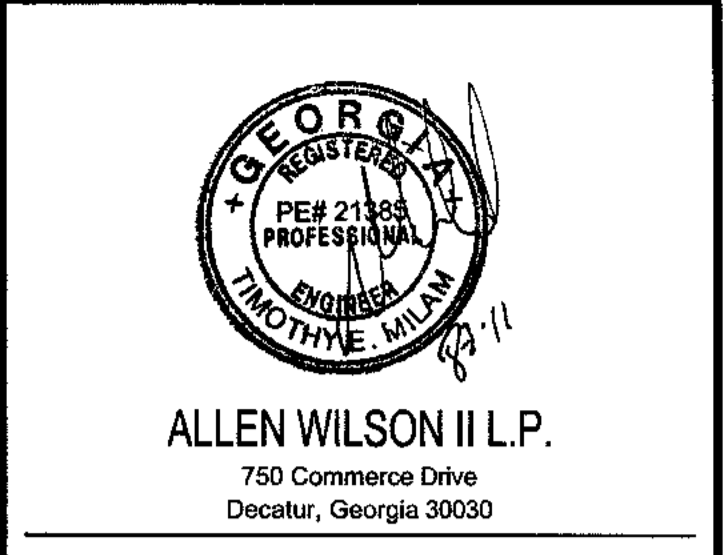
- SMOKE DETECTOR SHALL HAVE 110CD VISUAL DEVICE AND SHALL FUNCTION IN UNISON WITH DETECTOR. DEVICE SHALL BE MOUNTED AT 80" AFF OR 6" BELOW CEILING WHICH EVER IS LOWER. SMOKE DETECTOR SHALL BE MOUNTED BETWEEN 4" AND 12" BELOW CEILING. REFER TO ARCHITECTURAL ELEVATION DRAWINGS. PROVIDE RELAY TO LOCALLY ACTIVATE BATHROOM STROBE IN ACCESSIBLE UNITS.
- MINI HORN SHALL BE EQUIPPED WITH VISUAL DEVICE (STROBE). PROVIDE (2) STROBES IN ACCESSIBLE BATHROOM, FOR LOCAL AND BUILDING ALARMS.
- FURNISH AND INSTALL HANDICAP DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE AS SHOWN. PUSH BUTTON (P), TRANSFORMER (T), BELL/STROBE (B). QUANTITY OF DEVICES AS SHOWN ON DRAWING. BELL/STROBE DEVICES MOUNTED AT 80" AFF. TRANSFORMERS CAN BE REMOTE MOUNTED. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND CONTROL WIRING.

**GENERAL NOTES:**

- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE SHEET E.2 FOR ALL HVAC INFORMATION.
- FOR HANDICAPPED UNITS, RANGE HOOD SWITCHES ARE TO BE MOUNTED 44" A.F.F.
- RECEPTACLES SERVING LAUNDRY, KITCHEN, AND BATHROOM COUNTERS/BASINS TO BE GFCI PROTECTED.
- WITHIN A.L. HANDICAP ACCESSIBLE UNITS, ALL AUDIBLE FIRE ALARM DEVICES SHALL HAVE INTEGRAL VISUAL NOTIFICATION.
- PROVIDE DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE IN ALL HANDICAPPED UNITS. PROVIDE ALL NECESSARY HARDWARE AND CONTROL WIRING.
- WALL MOUNTED SMOKE DETECTORS SHALL BE INSTALLED WITH THE TOP OF THE DETECTOR 4" TO 12" FROM THE CEILING.
- EACH BATHROOM SHALL HAVE A SEPARATE CIRCUIT FOR ALL OUTLETS AND EQUIPMENT LOCATED WITHIN THE BATHROOM. NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
- ENSURE ALL BATHROOM COUNTER TOP RECEPTACLES MOUNTED BELOW MEDICINE CABINETS ARE FUNCTIONAL WHEN MEDICINE CABINETS ARE CLOSED. ALIGN WITH LIGHTING SWITCH.
- UNLESS NOTED OTHERWISE, ALL WIRING TO BE #12 AWG. #14 AWG SHALL BE PERMITTED ON 15 AMP CIRCUITS WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

**KEY NOTES:**

- SMOKE DETECTORS SHALL BE 120V WITH BATTERY BACK UP AND HAVE BUILT-IN STROBES IN ADAPTABLE UNITS. DETECTORS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, AND TIP OF A CEILING FAN BLADE.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-30R RECEPTACLE AND CIRCUIT OF 3#10, #10G. FOR DRYER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 5-20R RECEPTACLE AND CIRCUIT OF 2#12, #12G. FOR WASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- RECEPTACLE SHALL NOT BE INSTALLED LOWER THAN 12" BELOW COUNTER TOP.
- PROVIDE U.L. LISTED NEMA DISCONNECT TO AHU. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL INSTALLATION AND DISCONNECT REQUIREMENTS. A LOCK-OFF CIRCUIT BREAKER MAY BE USED INSTEAD OF A DISCONNECT SWITCH WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE RECEPTACLE AT 11" ABOVE INSIDE CABINET FOR CONNECTION OF DISPOSER. SWITCH TO CONTROL DISPOSER. RECEPTACLE MAY BE DELETED IF DISPOSAL IS DESIGNED FOR HARDWIRED. ALL HANDICAP UNITS SHALL BE HARDWIRED, AND MOUNTED SWITCH IN FACE OF CABINET.
- PROVIDE SINGLE 20A RECEPTACLE IN CABINERY FOR HOOD. POWER WITH MICROWAVE. COORDINATE EXACT LOCATION OF BOTH OUTLETS WITH ARCHITECTURAL ELEVATIONS.
- PROVIDE SINGLE 20A RECEPTACLE IN CABINERY FOR CONNECTION TO RANGE HOOD. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-50R RECEPTACLE AND CIRCUIT OF 3#6, #10G. FOR RANGE/OVEN. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL SINGLE RECEPTACLE FOR CONNECTION OF DISHWASHER. RECEPTACLE MAY BE DELETED AND A JUNCTION BOX USED IF DISHWASHER IS DESIGNED FOR HARD WIRE.
- CONTRACTOR SHALL INSTALL LOAD CENTER FLUSH MOUNTED. COORDINATE INSTALLATION IN HC UNIT WITH GRAB BAR MOUNTING.
- PROVIDE CEILING FAN RATED JUNCTION BOX FOR FIXTURE SM1.
- CONTRACTOR SHALL FURNISH AND INSTALL A NETWORK INTERFACE UNIT FOR TERMINATION OF COMMUNICATION CABLES ABOVE DOOR. PROVIDE RECEPTACLES FOR TELCO, METERING, SECURITY, AND ALL OTHER SYSTEMS AS REQUIRED. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
- NOT USED.
- CONTRACTOR SHALL FURNISH AND INSTALL A SECURITY SYSTEM ABOVE DOOR. PROVIDE RECEPTACLE FOR SECURITY SYSTEM. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
- CONTRACTOR TO COORDINATE ALL HORN LOCATION WITHIN THE DWELLING UNIT TO PROVIDE SOUND LEVEL AS REQUIRED.
- MOUNT ON SIDE OF CABINET. NO MORE THAN 12" BELOW TOP OF COUNTER TOP.
- NOT USED.
- DOOR BELL CHIME.
- DOORBELL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH-IN.
- CONNECT TO CORRESPONDING UNIT DOORBELL CHIME.
- OVEN RANGE HOOD FAN AND LIGHT SWITCHES MOUNTED BELOW RANGE TOP, REFER TO ARCHITECTURAL DRAWINGS.
- ACCESSIBLE UNIT BATHROOM SHALL HAVE TWO STORBES, ONE FOR LOCAL ALARM AND ONE FOR BUILDING ALARM.
- EMERGENCY PULL CORD IN BATHROOM. WIRE BACK TO SYSTEM PROVIDERS HEAD-END EQUIPMENT. COORDINATE WIRING AND ROUTING WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN.



ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia



2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7366 | LIC. NO. AA 000242  
E: info@hadpmail.com | www.HADPArchitecture.com

Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

**KEY PLAN**

Revision	Description	Date
4	Addendum4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum2	2/21/11
1	Addendum1	2/10/11

Project No. **AD08132.00**

File Name

Scale **1/8" = 1'-0"** Date August 1, 2011

Drawing Title

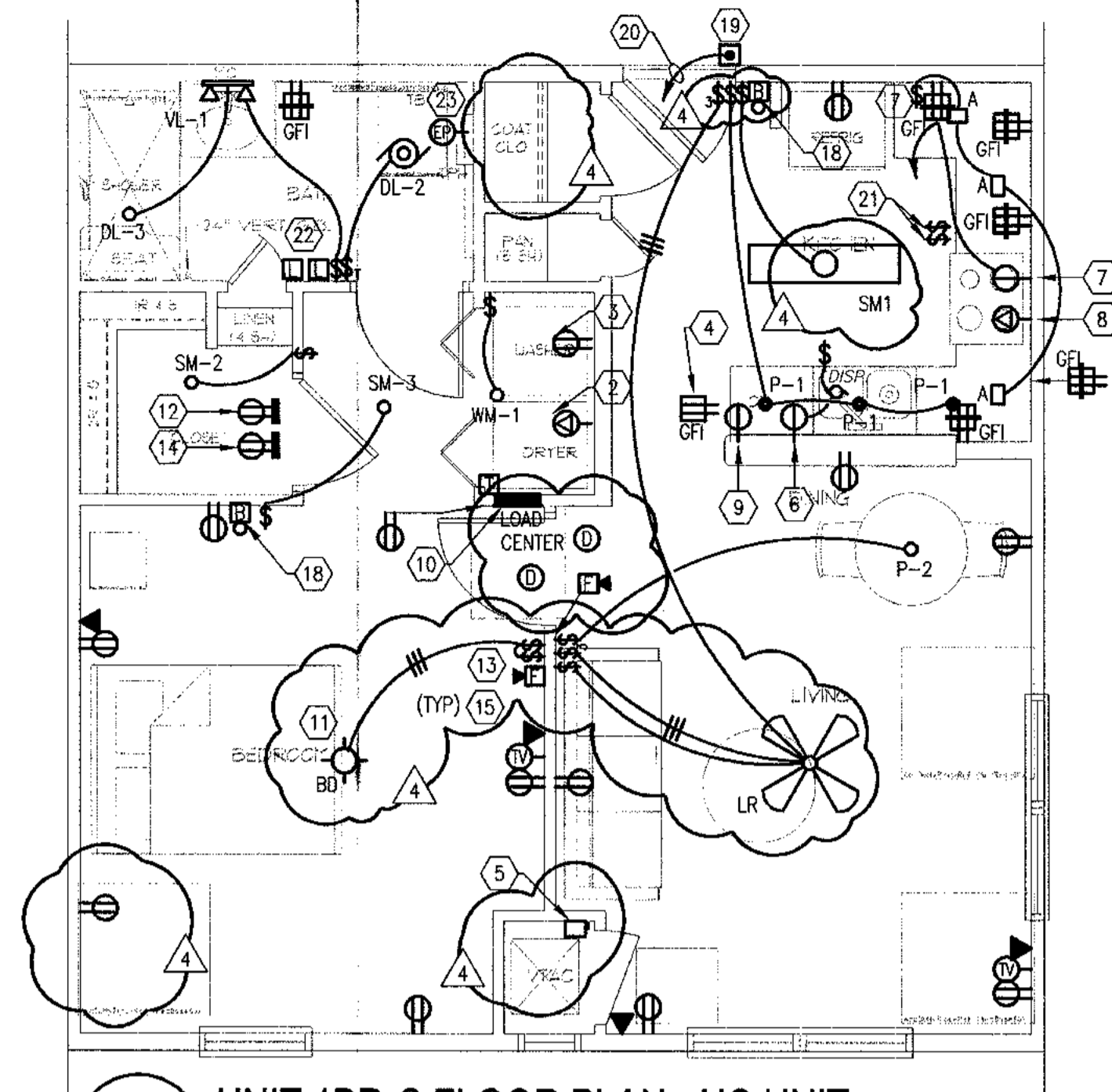
**UNIT 1BR-B & 1BR-D PLANS-ELECTRICAL**

Sheet Number **E4.02**

Professional of Record: **Stewart Allen**  
Professional Registration No: GA 3051

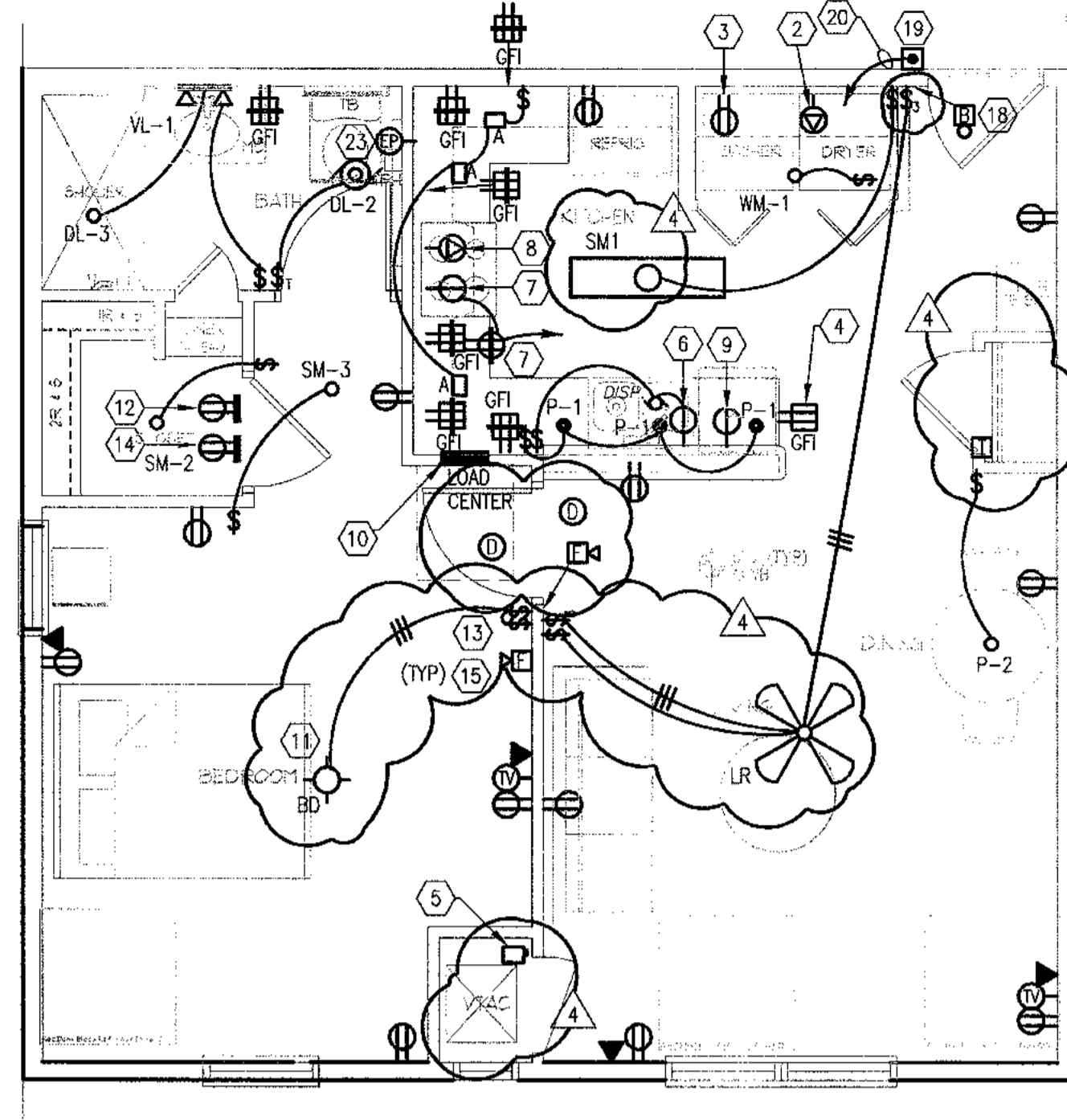
Seal:

This drawing contains information to be used exclusively for the production of Contract Documents for this Project. The Contract Documents of record are only those in paper, unless or unless produced by HADP Architecture Inc., and they bear our professional seal and our signature.



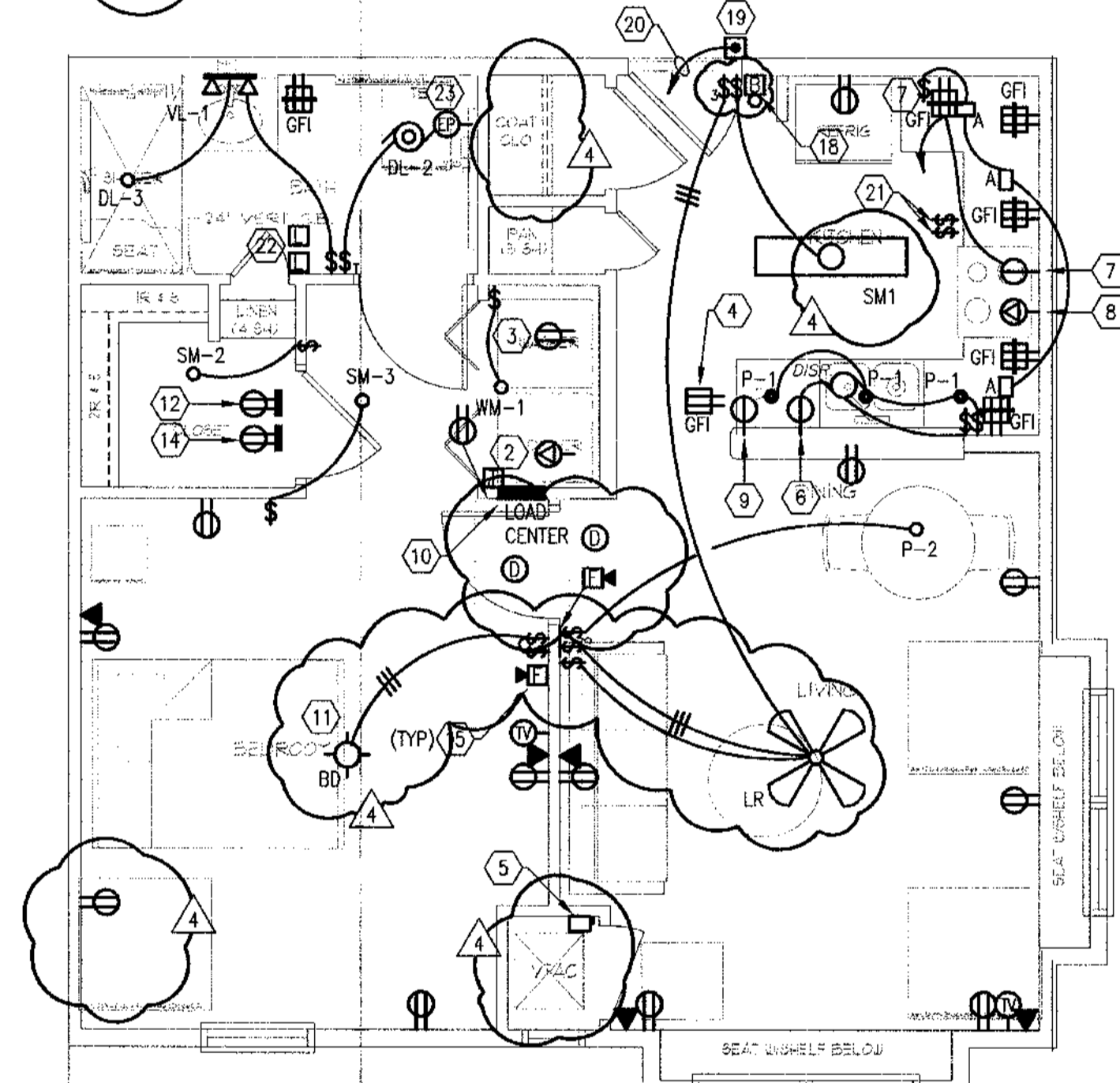
**1 UNIT 1BR-C FLOOR PLAN - HC UNIT**

1/4" = 1'-0"



**2 UNIT 1BR-E FLOOR PLAN**

1/4" = 1'-0"



**1A UNIT 1BR-I FLOOR PLAN- HC UNIT, SIM TO 1BR-C**

1/4" = 1'-0"

**SPECIAL NOTES:**

1. ALL RECEPTACLES WITHIN LIVING UNITS SHALL BE "TAMPER RESISTANT" TYPE.
2. ALL 15 AND 20 AMP SINGLE PHASE BRANCH CIRCUITS SUPPLYING LIGHTS, RECEPTACLES, AND SMOKE DETECTORS WITHIN LIVING UNITS SHALL BE PROTECTED BY A LISTED "ARC FAULT CIRCUIT INTERRUPTER" BREAKER INCLUDING THE KITCHEN/SMALL APPLIANCE CIRCUIT, EXCEPT CIRCUITS INCLUDE BATHROOMS, KITCHENS, LAUNDRY ROOMS, GARAGES, AND OUTDOOR RECEPTACLES.

**ACCESSIBLE UNIT GENERAL NOTES:**

1. SMOKE DETECTOR SHALL HAVE 110CD VISUAL DEVICE AND SHALL FUNCTION IN UNISON WITH DETECTOR. DEVICE SHALL BE MOUNTED AT 80" AFF OR 6" BELOW CEILING WHICH EVER IS LOWER. SMOKE DETECTOR SHALL BE MOUNTED BETWEEN 4" AND 12" BELOW CEILING. REFER TO ARCHITECTURAL ELEVATION DRAWINGS. PROVIDE RELAY TO LOCALLY ACTIVATE BATHROOM STROBE IN ACCESSIBLE UNITS.
2. MINI HORN SHALL BE EQUIPPED WITH VISUAL DEVICE (STROBE). PROVIDE (2) STROBES IN ACCESSIBLE BATHROOM, FOR LOCAL AND BUILDING ALARMS.
3. FURNISH AND INSTALL HANDICAP DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE AS SHOWN. PUSH BUTTON (□), TRANSFORMER (⊞), BELL/STROBE (⊞). QUANTITY OF DEVICES AS SHOWN ON DRAWING. BELL/STROBE DEVICES MOUNTED AT 80" AFF. TRANSFORMERS CAN BE REMOTE MOUNTED. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND CONTROL WIRING.

UNIT "1BR-C"			
SQUARE FOOTAGE	614	SF	X 3 VA/SF 1.8 KVA
KITCHEN/LAUNDRY	4500	VA	4.5 KVA
RANGES	8000	VA	8.0 KVA
DRYERS	5000	VA	5.0 KVA
DISPOSALS	800	VA	0.8 KVA
DISHWASHERS	1200	VA	1.2 KVA
MICROWAVE/HOOD	1500	VA	1.5 KVA
WATER HEATERS	0	VA	0.0 KVA
SUBTOTAL 22.8 KVA			
DEMAND FACTOR	10.0	KVA X 100 %	10.0 KVA
1ST TO KW	13.1	KVA X 40 %	5.2 KVA
REMAINDER	1.9	KVA X 100 %	1.9 KVA
HVAC (HEAT PUMP)	N/A	KVA X 100 %	N/A
HVAC (COOLING)	N/A	KVA X 100 %	N/A
HVAC (HEATING)	3.3	KVA X 100 %	3.3 KVA
N.E.C. 220-82			
TOTAL	20.3	KVA	97.8 AMPS
VOLTAGE: 208/120 PHASE: 1			

UNIT "1BR-E"			
SQUARE FOOTAGE	711	SF	X 3 VA/SF 2.1 KVA
KITCHEN/LAUNDRY	4500	VA	4.5 KVA
RANGES	8000	VA	8.0 KVA
DRYERS	5000	VA	5.0 KVA
DISPOSALS	800	VA	0.8 KVA
DISHWASHERS	1200	VA	1.2 KVA
MICROWAVE/HOOD	1500	VA	1.5 KVA
WATER HEATERS	0	VA	0.0 KVA
SUBTOTAL 23.1 KVA			
DEMAND FACTOR	10.0	KVA X 100 %	10.0 KVA
1ST TO KW	13.1	KVA X 40 %	5.2 KVA
REMAINDER	1.9	KVA X 100 %	1.9 KVA
HVAC (HEAT PUMP)	N/A	KVA X 100 %	N/A
HVAC (COOLING)	N/A	KVA X 100 %	N/A
HVAC (HEATING)	3.3	KVA X 100 %	3.3 KVA
N.E.C. 220-82			
TOTAL	20.5	KVA	98.3 AMPS
VOLTAGE: 208/120 PHASE: 1			

UNIT "1BR-I"			
SQUARE FOOTAGE	707	SF	X 3 VA/SF 2.1 KVA
KITCHEN/LAUNDRY	4500	VA	4.5 KVA
RANGES	8000	VA	8.0 KVA
DRYERS	5000	VA	5.0 KVA
DISPOSALS	800	VA	0.8 KVA
DISHWASHERS	1200	VA	1.2 KVA
MICROWAVE/HOOD	1500	VA	1.5 KVA
WATER HEATERS	0	VA	0.0 KVA
SUBTOTAL 23.1 KVA			
DEMAND FACTOR	10.0	KVA X 100 %	10.0 KVA
1ST TO KW	13.1	KVA X 40 %	5.2 KVA
REMAINDER	1.9	KVA X 100 %	1.9 KVA
HVAC (HEAT PUMP)	N/A	KVA X 100 %	N/A
HVAC (COOLING)	N/A	KVA X 100 %	N/A
HVAC (HEATING)	3.3	KVA X 100 %	3.3 KVA
N.E.C. 220-82			
TOTAL	20.4	KVA	98.3 AMPS
VOLTAGE: 208/120 PHASE: 1			

UNIT "1BR-J"			
SQUARE FOOTAGE	722	SF	X 3 VA/SF 2.2 KVA
KITCHEN/LAUNDRY	4500	VA	4.5 KVA
RANGES	8000	VA	8.0 KVA
DRYERS	5000	VA	5.0 KVA
DISPOSALS	800	VA	0.8 KVA
DISHWASHERS	1200	VA	1.2 KVA
MICROWAVE/HOOD	1500	VA	1.5 KVA
WATER HEATERS	0	VA	0.0 KVA
SUBTOTAL 23.2 KVA			
DEMAND FACTOR	10.0	KVA X 100 %	10.0 KVA
1ST TO KW	13.2	KVA X 40 %	5.3 KVA
REMAINDER	1.9	KVA X 100 %	1.9 KVA
HVAC (HEAT PUMP)	N/A	KVA X 100 %	N/A
HVAC (COOLING)	N/A	KVA X 100 %	N/A
HVAC (HEATING)	3.3	KVA X 100 %	3.3 KVA
N.E.C. 220-82			
TOTAL	20.5	KVA	98.4 AMPS
VOLTAGE: 208/120 PHASE: 1			

**LOAD CENTER SCHEDULE - 1BR-C**

CKT #	TRIP	BKR	TYPE	DESCRIPTION	PHASE		DESCRIPTION	BKR	TRIP	CKT #
					A	B				
1	50/2		RANGE				KITCHEN RECEPTACLES		20/1	2
3	...		...				KITCHEN RECEPTACLES	AFCI	20/1	4
5	30/2		DRYER				DISHWASHER		20/1	6
7	...		...				DISPOSAL		20/1	8
9	20/1		MICROWAVE AND HOOD				WASHER		20/1	10
11	25/2	HACR	HVAC EQUIPMENT				BATHROOM CIRCUIT		20/1	12
13	...		...				LIGHTS & RECEPTACLES	AFCI	15/1	14
15	...		SPACE				LIGHTS & RECEPTACLES	AFCI	15/1	16
17	...		SPACE				SPACE			18
19	...		SPACE				SPACE			20
21	...		SPACE				SPACE			22
23	...		SPACE				REFRIGERATOR		15/1	24

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

**LOAD CENTER SCHEDULE - 1BR-E**

CKT #	TRIP	BKR	TYPE	DESCRIPTION	PHASE		DESCRIPTION	BKR	TRIP	CKT #
					A	B				
1	50/2		RANGE				KITCHEN RECEPTACLES		20/1	2
3	...		...				KITCHEN RECEPTACLES	AFCI	20/1	4
5	30/2		DRYER				DISHWASHER		20/1	6
7	...		...				DISPOSAL		20/1	8
9	20/1		MICROWAVE AND HOOD				WASHER		20/1	10
11	25/2	HACR	HVAC EQUIPMENT				BATHROOM CIRCUIT		20/1	12
13	...		...				LIGHTS & RECEPTACLES	AFCI	15/1	14
15	...		SPACE				LIGHTS & RECEPTACLES	AFCI	15/1	16
17	...		SPACE				SPACE			18
19	...		SPACE				SPACE			20
21	...		SPACE				SPACE			22
23	...		SPACE				REFRIGERATOR		15/1	24

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

**LOAD CENTER SCHEDULE - 1BR-I**

CKT #	TRIP	BKR	TYPE	DESCRIPTION	PHASE		DESCRIPTION	BKR	TRIP	CKT #
					A	B				
1	50/2		RANGE				KITCHEN RECEPTACLES		20/1	2
3	...		...				KITCHEN RECEPTACLES	AFCI	20/1	4
5	30/2		DRYER				DISHWASHER		20/1	6
7	...		...				DISPOSAL		20/1	8
9	20/1		MICROWAVE AND HOOD				WASHER		20/1	10
11	25/2	HACR	HVAC EQUIPMENT				BATHROOM CIRCUIT		20/1	12
13	...		...				LIGHTS & RECEPTACLES	AFCI	15/1	14
15	...		SPACE				LIGHTS & RECEPTACLES	AFCI	15/1	16
17	...		SPACE				SPACE			18
19	...		SPACE				SPACE			20
21	...		SPACE				SPACE			22
23	...		SPACE				REFRIGERATOR		15/1	24

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

**LOAD CENTER SCHEDULE - 1BR-J**

CKT #	TRIP	BKR	TYPE	DESCRIPTION	PHASE		DESCRIPTION	BKR	TRIP	CKT #
					A	B				
1	50/2		RANGE				KITCHEN RECEPTACLES		20/1	2
3	...		...				KITCHEN RECEPTACLES	AFCI	20/1	4
5	30/2		DRYER				DISHWASHER		20/1	6
7	...		...				DISPOSAL		20/1	8
9	20/1		MICROWAVE AND HOOD				WASHER		20/1	10
11	25/2	HACR	HVAC EQUIPMENT				BATHROOM CIRCUIT		20/1	12
13	...		...				LIGHTS & RECEPTACLES	AFCI	15/1	14
15	...		SPACE				LIGHTS & RECEPTACLES	AFCI	15/1	16
17	...		SPACE				SPACE			18
19	...		SPACE				SPACE			20
21	...		SPACE				SPACE			22
23	...		SPACE				REFRIGERATOR		15/1	24

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

**PANELBOARD NOTES**

1. CONFIRM SIZES & CONNECTION W/ FINAL MECHANICAL EQUIPMENT.
2. NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
3. PRIOR TO FINAL ORDERING OF PANELBOARDS, CIRCUIT BREAKERS, AND ALL ASSOCIATED EQUIPMENT, THE CONTRACTOR SHALL ARRANGE FOR AND PROVIDE TO THE ELECTRICAL ENGINEER OF RECORD VIA THE ARCHITECT A LETTER FROM THE LOCAL POWER COMPANY ON THEIR LETTERHEAD STATING THE SHORT CIRCUIT FAULT CURRENT AVAILABLE AT THE SECONDARY OF THE UTILITY COMPANY TRANSFORMER. INFORMATION SHALL BE USED TO DETERMINE THE FINAL A.I.C. RATINGS OF THE PANELBOARDS, METER CENTERS, MAIN DISCONNECT SWITCHES AND CIRCUIT BREAKERS.

**GENERAL NOTES:**

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE SHEET E-? FOR ALL HVAC INFORMATION.
2. FOR HANDICAPPED UNITS, RANGE HOOD SWITCHES ARE TO BE MOUNTED 44" A.F.F.
3. RECEPTACLES SERVING LAUNDRY, KITCHEN AND BATHROOM COUNTERS/BASINS TO BE GFCI PROTECTED.
4. WITHIN ALL HANDICAP ACCESSIBLE UNITS, ALL AUDIBLE FIRE ALARM DEVICES SHALL HAVE INTEGRAL VISUAL NOTIFICATION.
5. PROVIDE DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE IN ALL HANDICAPPED UNITS. PROVIDE ALL NECESSARY HARDWARE AND CONTROL WIRING.
6. WALL MOUNTED SMOKE DETECTORS SHALL BE INSTALLED WITH THE TOP OF THE DETECTOR 4" TO 12" FROM THE CEILING.
7. EACH BATHROOM SHALL HAVE A SEPARATE CIRCUIT FOR ALL OUTLETS AND EQUIPMENT LOCATED WITHIN THE BATHROOM. NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.

**KEY NOTES:**

1. SMOKE DETECTORS SHALL BE 120V WITH BATTERY BACK UP AND HAVE BUILT-IN STROBES IN ADAPTABLE UNITS. DETECTORS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, AND TIP OF A CEILING FAN BLADE.
2. CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-30R RECEPTACLE AND CIRCUIT OF 2#12, #10G, FOR DRYER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
3. CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 5-20R RECEPTACLE AND CIRCUIT OF 2#12, #12G, FOR WASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
4. RECEPTACLE SHALL NOT BE INSTALLED LOWER THAN 12" BELOW COUNTER TOP.
5. PROVIDE U.L. LISTED NEMA DISCONNECT TO AHU. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL INSTALLATION AND DISCONNECT REQUIREMENTS. A LOCK-OFF CIRCUIT BREAKER MAY BE USED INSTEAD OF A DISCONNECT SWITCH WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
6. CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE RECEPTACLE AT 11" ABOVE INSIDE CABINET FOR CONNECTION OF DISPOSER. SWITCH TO CONTROL DISPOSER. RECEPTACLE MAY BE DELETED IF DISPOSAL IS DESIGNED FOR HARDWIRED. ALL HANDICAP UNITS SHALL BE HARDWIRED, AND MOUNTED SWITCH IN FACE OF CABINET.
7. PROVIDE SINGLE 20A RECEPTACLE IN CABINETS FOR HOOD. POWER WITH MICROWAVE COORDINATE EXACT LOCATION OF BOTH OUTLETS WITH ARCHITECTURAL ELEVATIONS.
- 7A. PROVIDE SINGLE 20A RECEPTACLE IN CABINETS FOR CONNECTION TO RANGE HOOD. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
8. CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-50R RECEPTACLE AND CIRCUIT OF 3#6, #10G, FOR RANGE/OVEN. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
9. CONTRACTOR SHALL FURNISH AND INSTALL SINGLE RECEPTACLE FOR CONNECTION OF DISHWASHER. RECEPTACLE MAY BE DELETED AND A JUNCTION BOX USED IF DISHWASHER IS DESIGNED FOR HARD WIRED.
10. CONTRACTOR SHALL INSTALL LOAD CENTER FLUSH MOUNTED. COORDINATE INSTALLATION IN HC UNIT WITH GRAB BAR MOUNTING.
11. PROVIDE CEILING FAN RATED JUNCTION BOX FOR FIXTURE SM1.
12. CONTRACTOR SHALL FURNISH AND INSTALL A NETWORK INTERFACE UNIT FOR TERMINATION OF COMMUNICATION CABLES ABOVE DOOR. PROVIDE RECEPTACLE FOR SECURITY SYSTEM. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
13. NOT USED.
14. CONTRACTOR SHALL FURNISH AND INSTALL A SECURITY SYSTEM ABOVE DOOR. PROVIDE RECEPTACLE FOR SECURITY SYSTEM. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
15. CONTRACTOR TO COORDINATE ALL HORN LOCATION WITHIN THE DWELLING UNIT TO PROVIDE SOUND LEVEL AS REQUIRED.
16. MOUNT ON SIDE OF CABINET. NO MORE THAN 12" BELOW TOP OF COUNTER TOP.
17. NOT USED.
18. DOOR BELL CHIME.
19. DOORBELL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH-IN.
20. CONNECT TO CORRESPONDING UNIT DOORBELL CHIME.
21. OVEN RANGE HOOD FAN AND LIGHT SWITCHES MOUNTED BELOW RANGE TOP. REFER TO ARCHITECTURAL DRAWINGS.
22. ACCESSIBLE UNIT BATHROOM SHALL HAVE TWO STORPES, ONE FOR LOCAL ALARM AND ONE FOR BUILDING ALARM.
23. EMERGENCY PULL CORD IN BATHROOM. WIRE BACK TO SYSTEM PROVIDER. HEAD-END EQUIPMENT COORDINATE WIRING AND ROUTING WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN.



**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP ARCHITECTURE, INC.**

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7386 | LIC. No. AA 000242  
E: info@hadp.com | www.HADPArchitecture.com

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**Kimberly Horn and Associates, Inc.**  
817 West Peachtree Street  
The Billmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

**Structural Consulting Group**  
6250 SHILON RD, SUITE 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

**Jordan & Skala**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
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**KEY PLAN**

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2	Addendum2	2/21/11
1	Addendum1	2/10/11

Project No: **AH08132.00**  
File Name  
Scale: **1/8" = 1'-0"** Date

LOAD CENTER SCHEDULE - 1BR-L											
MAIN:		125A MLO		VOLTAGE: 208/120		PHASE: 1		WIRE: 3 RECESSED MOUNTED		AIC: 10,000	
CKT #	TRIP	BKR	TYPE	DESCRIPTION	PHASE	DESCRIPTION	BKR	TRIP	POLE	CKT #	
1	50/2		RANGE	KITCHEN RECEPTACLES	A	KITCHEN RECEPTACLES	20/1	2		2	
3				KITCHEN RECEPTACLES	B	KITCHEN RECEPTACLES	AFCI	20/1		4	
5	30/2		DRYER	DISHWASHER	A	DISHWASHER	20/1	5		5	
7				DISPOSAL	B	DISPOSAL	20/1	8		8	
9	20/1		MICROWAVE AND HOOD	WASHER	A	WASHER	20/1	10		10	
11	25/2	HACR	HVAC EQUIPMENT	BATHROOM CIRCUIT	B	BATHROOM CIRCUIT	20/1	12		12	
13				LIGHTS & RECEPTACLES	A	LIGHTS & RECEPTACLES	AFCI	15/1		14	
15			SPACE	LIGHTS & RECEPTACLES	B	LIGHTS & RECEPTACLES	AFCI	15/1		16	
17			SPACE	SPACE	A	SPACE	AFCI	15/1		18	
19			SPACE	SPACE	B	SPACE	AFCI	15/1		20	
21			SPACE	SPACE	A	SPACE	AFCI	15/1		22	
23			SPACE	REFRIGERATOR	B	REFRIGERATOR	15/1	24		24	

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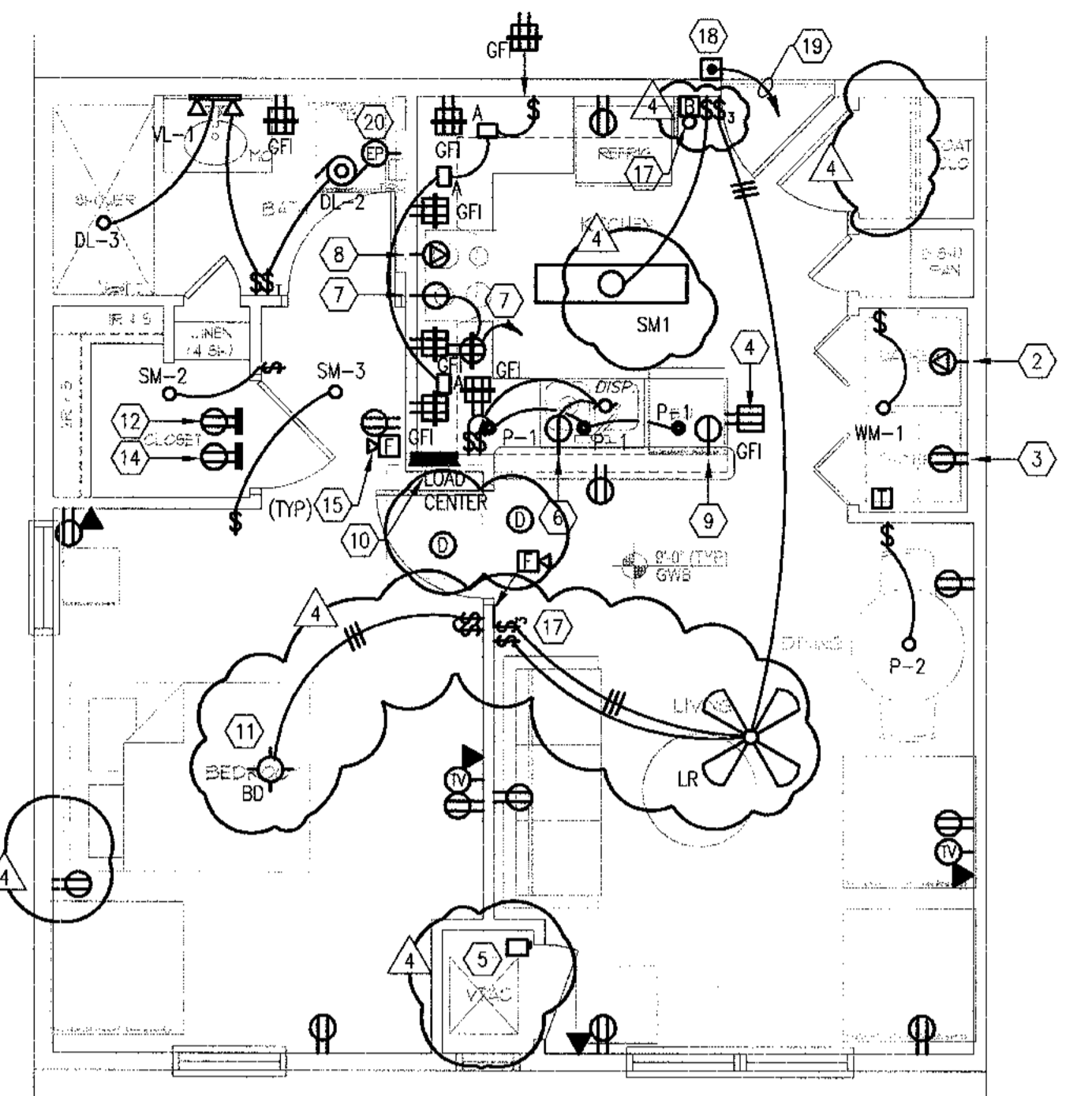
UNIT "1BR-L"					
SQUARE FOOTAGE	670	SF	X	3 VA/SF	2.0 KVA
KITCHEN/LAUNDRY	4500	VA			4.5 KVA
RANGES	8000	VA			8.0 KVA
DRYERS	5000	VA			5.0 KVA
DISPOSALS	800	VA			0.8 KVA
DISHWASHERS	1200	VA			1.2 KVA
MICROWAVE/HOOD	1500	VA			1.5 KVA
WATER HEATERS	0	VA			0.0 KVA
SUBTOTAL					23.0 KVA
DEMAND FACTOR					
1ST 10 KW	10.0	KVA	X	100 %	10.0 KVA
REMAINDER	13.0	KVA	X	40 %	5.2 KVA
HVAC (HEAT PUMP)	1.9	KVA	X	100 %	1.9 KVA
HVAC (COOLING)	N/A	KVA	X	100 %	KVA
HVAC (HEATING)	3.3	KVA	X	100 %	3.3 KVA
TOTAL					20.4 KVA
VOLTAGE: 208/120 PHASE: 1					98.1 AMPS

**SPECIAL NOTES:**

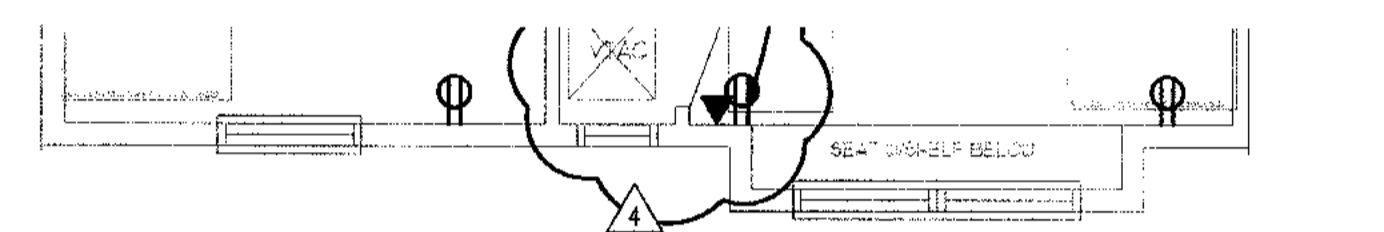
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- ALL 15 AND 20 AMP SINGLE PHASE BRANCH CIRCUITS SUPPLYING LIGHTS, RECEPTACLES, AND SMOKE DETECTORS WITHIN LIVING UNITS SHALL BE PROTECTED BY A LISTED "ARC FAULT CIRCUIT INTERRUPTER" BREAKER INCLUDING THE KITCHEN/SMALL APPLIANCE CIRCUIT. EXEMPT CIRCUITS INCLUDE BATHROOMS, KITCHENS, LAUNDRY ROOMS, GARAGES, AND OUTDOOR RECEPTACLES.

**ACCESSIBLE UNIT GENERAL NOTES:**

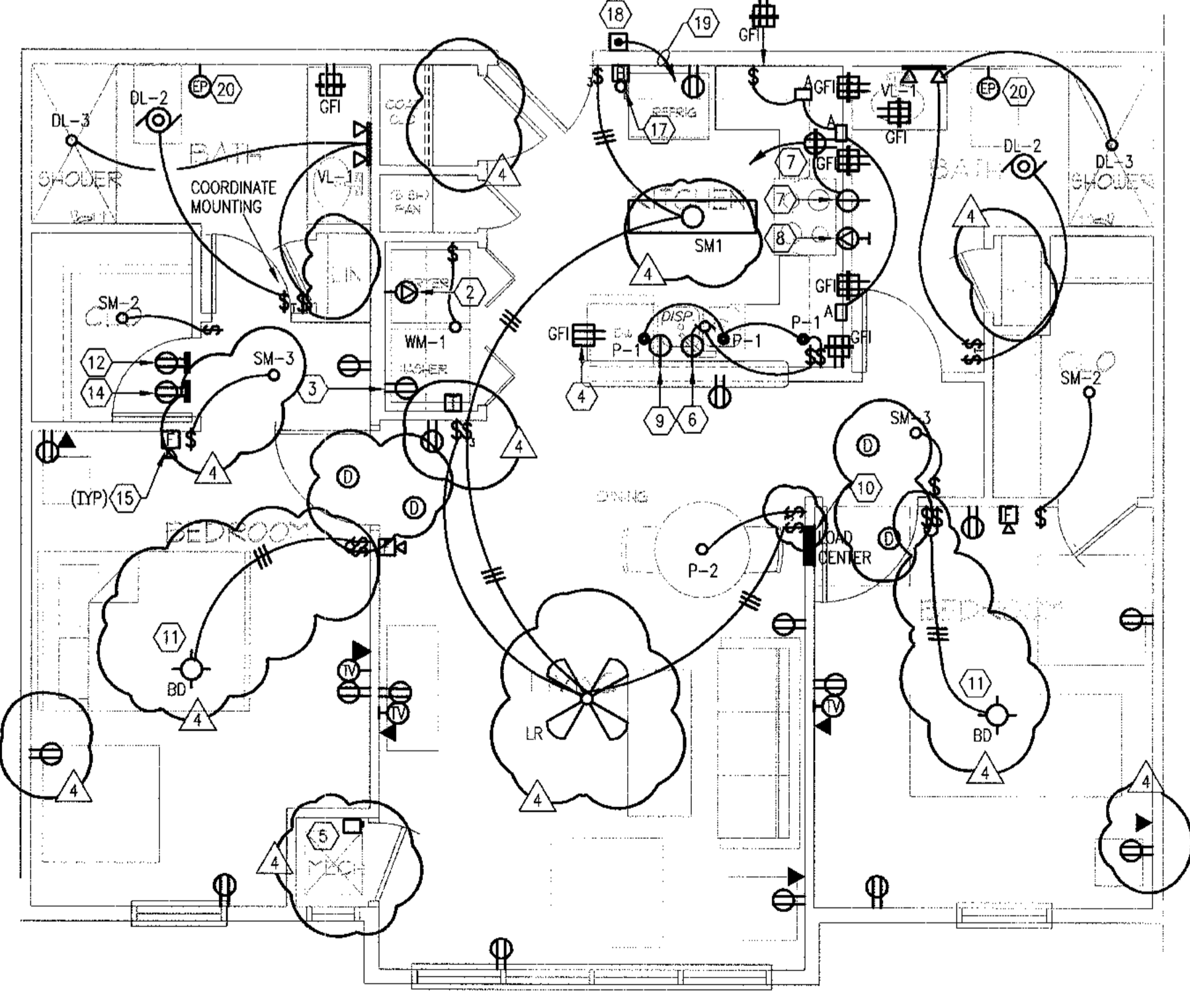
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- MINI HORN SHALL BE EQUIPPED WITH VISUAL DEVICE (STROBE). PROVIDE (2) STROBES IN ACCESSIBLE BATHROOM, FOR LOCAL AND BUILDING ALARMS.
- FURNISH AND INSTALL HANDICAP DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE AS SHOWN. PUSH BUTTON (P), TRANSFORMER (T), BELL/STROBE (B). QUANTITY OF DEVICES AS SHOWN ON DRAWING. BELL/STROBE DEVICES MOUNTED AT 80" AFF. TRANSFORMERS CAN BE REMOTE MOUNTED. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND CONTROL WIRING.



1 UNIT 1BR-K FLOOR PLAN  
1/4" = 1'-0"



1A UNIT 1BR-L FLOOR PLAN - SIM TO 1BR-K  
1/4" = 1'-0"



2 UNIT 2BR-A FLOOR PLAN  
1/4" = 1'-0"

LOAD CENTER SCHEDULE - 1BR-K											
MAIN:		125A MLO		VOLTAGE: 240/120		PHASE: 1		WIRE: 3 RECESSED MOUNTED		AIC: 10,000	
CKT #	TRIP	BKR	TYPE	DESCRIPTION	PHASE	DESCRIPTION	BKR	TRIP	POLE	CKT #	
1	50/2		RANGE	KITCHEN RECEPTACLES	A	KITCHEN RECEPTACLES	20/1	2		2	
3				KITCHEN RECEPTACLES	B	KITCHEN RECEPTACLES	AFCI	20/1		4	
5	30/2		DRYER	DISHWASHER	A	DISHWASHER	20/1	5		5	
7				DISPOSAL	B	DISPOSAL	20/1	8		8	
9	20/1		MICROWAVE AND HOOD	WASHER	A	WASHER	20/1	10		10	
11	25/2	HACR	HVAC EQUIPMENT	BATHROOM CIRCUIT	B	BATHROOM CIRCUIT	20/1	12		12	
13				LIGHTS & RECEPTACLES	A	LIGHTS & RECEPTACLES	AFCI	15/1		14	
15			SPACE	LIGHTS & RECEPTACLES	B	LIGHTS & RECEPTACLES	AFCI	15/1		16	
17			SPACE	SPACE	A	SPACE	AFCI	15/1		18	
19			SPACE	SPACE	B	SPACE	AFCI	15/1		20	
21			SPACE	SPACE	A	SPACE	AFCI	15/1		22	
23			SPACE	REFRIGERATOR	B	REFRIGERATOR	15/1	24		24	

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

UNIT "1BR-K"					
SQUARE FOOTAGE	589	SF	X	3 VA/SF	1.8 KVA
KITCHEN/LAUNDRY	4500	VA			4.5 KVA
RANGES	8000	VA			8.0 KVA
DRYERS	5000	VA			5.0 KVA
DISPOSALS	800	VA			0.8 KVA
DISHWASHERS	1200	VA			1.2 KVA
MICROWAVE/HOOD	1500	VA			1.5 KVA
WATER HEATERS	0	VA			0.0 KVA
SUBTOTAL					22.8 KVA
DEMAND FACTOR					
1ST 10 KW	10.0	KVA	X	100 %	10.0 KVA
REMAINDER	12.8	KVA	X	40 %	5.1 KVA
HVAC (HEAT PUMP)	1.9	KVA	X	100 %	1.9 KVA
HVAC (COOLING)	N/A	KVA	X	100 %	KVA
HVAC (HEATING)	3.3	KVA	X	100 %	3.3 KVA
TOTAL					20.3 KVA
VOLTAGE: 240/120 PHASE: 1					84.6 AMPS

LOAD CENTER SCHEDULE - 2BR-A											
MAIN:		125A MLO		VOLTAGE: 208/120		PHASE: 1		WIRE: 3 RECESSED MOUNTED		AIC: 10,000	
CKT #	TRIP	BKR	TYPE	DESCRIPTION	PHASE	DESCRIPTION	BKR	TRIP	POLE	CKT #	
1	50/2		RANGE	KITCHEN RECEPTACLES	A	KITCHEN RECEPTACLES	20/1	2		2	
3				KITCHEN RECEPTACLES	B	KITCHEN RECEPTACLES	AFCI	20/1		4	
5	30/2		DRYER	DISHWASHER	A	DISHWASHER	20/1	5		5	
7				DISPOSAL	B	DISPOSAL	20/1	8		8	
9	20/1		MICROWAVE AND HOOD	WASHER	A	WASHER	20/1	10		10	
11	25/2	HACR	OUTDOOR HVAC	BATHROOM CIRCUIT	B	BATHROOM CIRCUIT	20/1	12		12	
13				BATHROOM CIRCUIT	A	BATHROOM CIRCUIT	20/1	14		14	
15	45/2	HACR	INDOOR HVAC	LIGHTS & RECEPTACLES	A	LIGHTS & RECEPTACLES	AFCI	15/1		16	
17				LIGHTS & RECEPTACLES	B	LIGHTS & RECEPTACLES	AFCI	15/1		18	
19			SPACE	LIGHTS & RECEPTACLES	A	LIGHTS & RECEPTACLES	AFCI	15/1		20	
21			SPACE	SPACE	B	SPACE	AFCI	15/1		22	
23			SPACE	REFRIGERATOR	A	REFRIGERATOR	15/1	24		24	

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

UNIT "2BR-A"					
SQUARE FOOTAGE	922	SF	X	3 VA/SF	2.8 KVA
KITCHEN/LAUNDRY	4500	VA			4.5 KVA
RANGES	8000	VA			8.0 KVA
DRYERS	5000	VA			5.0 KVA
DISPOSALS	800	VA			0.8 KVA
DISHWASHERS	1200	VA			1.2 KVA
MICROWAVE/HOOD	1500	VA			1.5 KVA
WATER HEATERS	0	VA			0.0 KVA
SUBTOTAL					23.8 KVA
DEMAND FACTOR					
1ST 10 KW	10.0	KVA	X	100 %	10.0 KVA
REMAINDER	13.8	KVA	X	40 %	5.5 KVA
HVAC (HEAT PUMP)	3.1	KVA	X	100 %	3.1 KVA
HVAC (COOLING)	N/A	KVA	X	100 %	KVA
HVAC (HEATING)	7.9	KVA	X	65 %	5.1 KVA
TOTAL					23.7 KVA
VOLTAGE: 208/120 PHASE: 1					114.1 AMPS

**PANELBOARD NOTES**

- CONFIRM SIZES & CONNECTION W/ FINAL MECHANICAL EQUIPMENT.
- NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
- PRIOR TO FINAL ORDERING OF PANELBOARDS, CIRCUIT BREAKERS, AND ALL ASSOCIATED EQUIPMENT, THE CONTRACTOR SHALL ARRANGE FOR AND PROVIDE TO THE ELECTRICAL ENGINEER OF RECORD VIA THE ARCHITECT A LETTER FROM THE LOCAL POWER COMPANY ON THEIR LETTERHEAD STATING THE SHORT CIRCUIT FAULT CURRENT AVAILABLE AT THE SECONDARY OF THE UTILITY COMPANY TRANSFORMER. INFORMATION SHALL BE USED TO DETERMINE THE FINAL A.I.C. RATINGS OF THE PANELBOARDS, METER CENTERS, MAIN DISCONNECT SWITCHES AND CIRCUIT BREAKERS.

**GENERAL NOTES:**

- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE SHEET E-2 FOR ALL HVAC INFORMATION.
- FOR HANDICAPPED UNITS, RANGE HOOD SWITCHES ARE TO BE MOUNTED 44" AFF.
- RECEPTACLES SERVING LAUNDRY, KITCHEN, AND BATHROOM COUNTERS/BASINS TO BE GFCI PROTECTED.
- WITHIN ALL HANDICAP ACCESSIBLE UNITS, ALL AUDIBLE FIRE ALARM DEVICES SHALL HAVE INTEGRAL VISUAL NOTIFICATION.
- PROVIDE DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE IN ALL HANDICAPPED UNITS. PROVIDE ALL NECESSARY HARDWARE AND CONTROL WIRING.
- WALL MOUNTED SMOKE DETECTORS SHALL BE INSTALLED WITH THE TOP OF THE DETECTOR 4" TO 12" FROM THE CEILING.
- EACH BATHROOM SHALL HAVE A SEPARATE CIRCUIT FOR ALL OUTLETS AND EQUIPMENT LOCATED WITHIN THE BATHROOM. NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
- ENSURE ALL BATHROOM COUNTER TOP RECEPTACLES MOUNTED BELOW MEDICINE CABINETS ARE FUNCTIONAL WHEN MEDICINE CABINETS ARE CLOSED. ALIGN WITH LIGHTING SWITCH.
- UNLESS NOTED OTHERWISE, ALL WIRING TO BE #12 AWG. #14 AWG. SHALL BE PERMITTED ON 15 AMPS CIRCUITS WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

**KEY NOTES:**

- SMOKE DETECTORS SHALL BE 120V WITH BATTERY BACK UP AND HAVE BUILT-IN STROBES IN ADAPTABLE UNITS. DETECTORS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, AND TIP OF A CEILING FAN BLADE.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-30R RECEPTACLE AND CIRCUIT OF #10, #10G. FOR WASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 5-20R RECEPTACLE AND CIRCUIT OF #12, #12G. FOR WASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- RECEPTACLE SHALL NOT BE INSTALLED LOWER THAN 12" BELOW COUNTER TOP.
- PROVIDE UL LISTED NEMA DISCONNECT TO AHU. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL INSTALLATION AND DISCONNECT REQUIREMENTS. A LOCK-OFF CIRCUIT BREAKER MAY BE USED INSTEAD OF A DISCONNECT SWITCH WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE RECEPTACLE AT 11" ABOVE INSIDE CABINET FOR CONNECTION OF DISPOSER. SWITCH TO CONTROL DISPOSER. RECEPTACLE MAY BE DELETED IF DISPOSAL IS DESIGNED FOR HARDWIRED. ALL HANDICAP UNITS SHALL BE HARDWIRED, AND MOUNTED SWITCH IN FACE OF CABINET.
- PROVIDE SINGLE 20A RECEPTACLE IN CABINETS FOR HOOD. POWER WITH MICROWAVE. COORDINATE EXACT LOCATION OF BOTH OUTLETS WITH ARCHITECTURAL ELEVATIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-50R RECEPTACLE AND CIRCUIT OF #6, #10G. FOR RANGE/OVEN. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL SINGLE RECEPTACLE FOR CONNECTION OF DISHWASHER. RECEPTACLE MAY BE DELETED AND A JUNCTION BOX USED IF DISHWASHER IS DESIGNED FOR HARD WIRED.
- CONTRACTOR SHALL INSTALL LOAD CENTER FLUSH MOUNTED. COORDINATE INSTALLATION IN HC UNIT WITH GRAB BAR MOUNTING.
- PROVIDE CEILING FAN RATED JUNCTION BOX FRO FIXTURE SM1.
- CONTRACTOR SHALL FURNISH AND INSTALL A NETWORK INTERFACE UNIT FOR TERMINATION OF COMMUNICATION CABLES ABOVE DOOR. PROVIDE RECEPTACLES FOR TELCO, METERING, SECURITY, AND ALL OTHER SYSTEMS AS REQUIRED. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
- NOT USED.
- CONTRACTOR SHALL FURNISH AND INSTALL A SECURITY SYSTEM ABOVE DOOR. PROVIDE RECEPTACLE FOR SECURITY SYSTEM. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
- CONTRACTOR TO COORDINATE ALL HORN LOCATION WITHIN THE DWELLING UNIT TO PROVIDE SOUND LEVEL AS REQUIRED.
- NOT USED.
- DOOR BELL CHIME.
- DOORBELL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH-IN.
- CONNECT TO CORRESPONDING UNIT DOORBELL CHIME.
- EMERGENCY PULL CORD IN BATHROOM. WIRE BACK TO SYSTEM PROVIDERS HEAD-END EQUIPMENT. COORDINATE WIRING AND ROUTING WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN.

REGISTERED PROFESSIONAL ENGINEER  
PE# 21385  
MOTHE E. MULLINS

ALLEN WILSON II L.P.  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.

2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7398 | LIC. No. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Biltmore, Suite 601  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackelford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

KEY PLAN		
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/24/11
1	Addendum#1	2/10/11

Revision No.	Description	Date
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/11/11
2	Addendum#2	2/24/11
1	Addendum#1	2/10/11

Project No. **W00132.00**

File Name

Scale **1/8" = 1'-0"** Date August 1, 2011

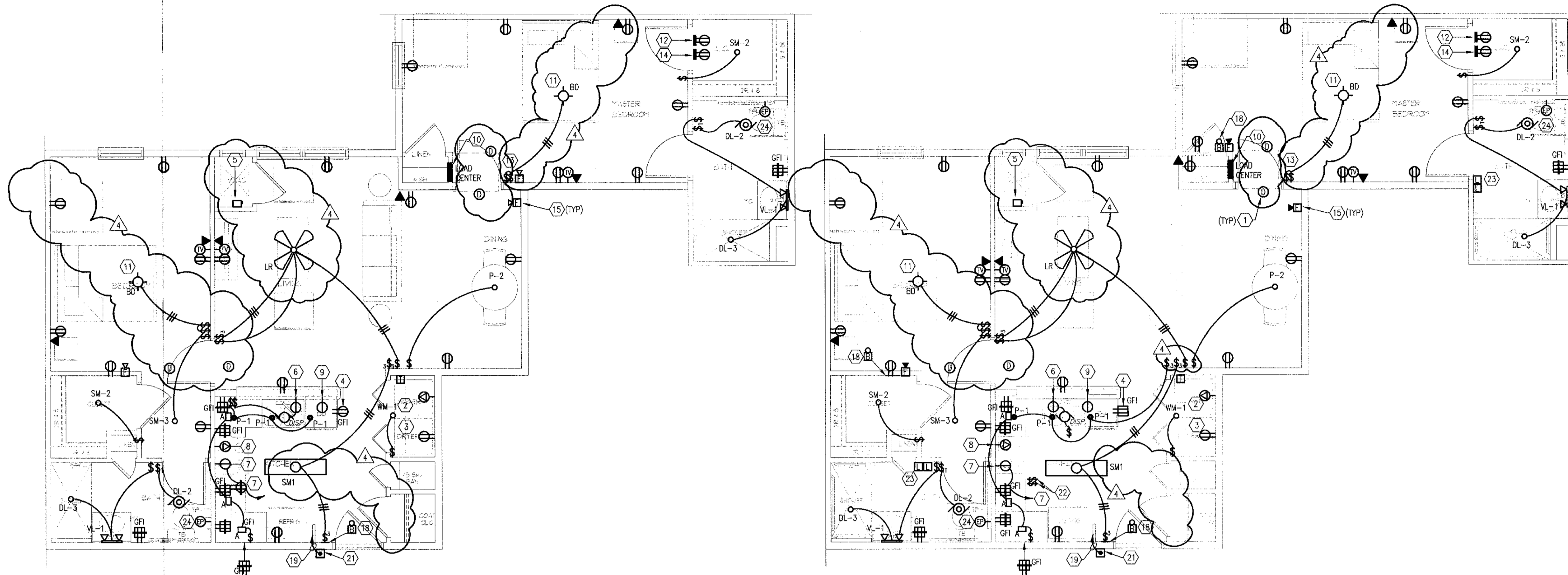
Drawing Title

**UNIT 1BR-K, 1BR-L & 2BR-A PLANS-ELECTRICAL**

Sheet Number **E4.04**

Professional of Record: **Shawnt Allen**  
Professional Registration No: GA 3051

This drawing contains information to be used exclusively for the production of Contract Documents for this Project. The Contract Documents of record are only those in force, unless or unless otherwise stated by HADP Architecture Inc. and they bear our professional seal and our signature.



**KEY NOTES:**

- SMOKE DETECTORS SHALL BE 120V WITH BATTERY BACK UP AND HAVE BUILT-IN STROBES IN ADAPTABLE UNITS. DETECTORS SHALL BE NO LESS THAN 36" FROM A BATHROOM DOOR, SUPPLY AIR REGISTER, AND TIP OF A CEILING FAN BLADE.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-30R RECEPTACLE AND CIRCUIT OF 3#10, #10G. FOR DRYER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 5-20R RECEPTACLE AND CIRCUIT OF 2#12, #12G. FOR WASHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- RECEPTACLE SHALL NOT BE INSTALLED LOWER THAN 12" BELOW COUNTER TOP.
- PROVIDE U.L. LISTED NEMA DISCONNECT TO AHU. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL INSTALLATION AND DISCONNECT REQUIREMENTS. A LOCK-OFF CIRCUIT BREAKER MAY BE USED INSTEAD OF A DISCONNECT SWITCH WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE RECEPTACLE AT 11" ABOVE INSIDE CABINET FOR CONNECTION OF DISPOSER. SWITCH TO CONTROL DISPOSER. RECEPTACLE MAY BE DELETED IF DISPOSAL IS DESIGNED FOR HARDWIRED. ALL HANDICAP UNITS SHALL BE HARDWIRED, AND MOUNTED SWITCH IN FACE OF CABINET.
- PROVIDE SINGLE 20A RECEPTACLE IN CABINETRY FOR HOOD. POWER WITH MICROWAVE COORDINATE EXACT LOCATION OF BOTH OUTLETS WITH ARCHITECTURAL ELEVATIONS.
- PROVIDE SINGLE 20A RECEPTACLE IN CABINETRY FOR CONNECTION TO RANGE HOOD. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL A NEMA 14-50R RECEPTACLE AND CIRCUIT OF 3#6, #10G. FOR RANGE/OVEN. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT ACTUALLY FURNISHED.
- CONTRACTOR SHALL FURNISH AND INSTALL SINGLE RECEPTACLE FOR CONNECTION OF DISHWASHER. RECEPTACLE MAY BE DELETED AND A JUNCTION BOX USED IF DISHWASHER IS DESIGNED FOR HARD WIRED.
- CONTRACTOR SHALL INSTALL LOAD CENTER FLUSH MOUNTED. COORDINATE INSTALLATION IN HC UNIT WITH GRAB BAR MOUNTING.
- PROVIDE CEILING FAN RATED JUNCTION BOX FOR FIXTURE SM1.
- CONTRACTOR SHALL FURNISH AND INSTALL A NETWORK INTERFACE UNIT FOR TERMINATION OF COMMUNICATION CABLES ABOVE DOOR. PROVIDE RECEPTACLES FOR TELCO, METERING, SECURITY, AND ALL OTHER SYSTEMS AS REQUIRED. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
- NOT USED.
- CONTRACTOR SHALL FURNISH AND INSTALL A SECURITY SYSTEM ABOVE DOOR. PROVIDE RECEPTACLE FOR SECURITY SYSTEM. COORDINATE WITH ALL TRADES AND SUPPLIERS FOR REQUIREMENTS PRIOR TO ROUGH-IN.
- CONTRACTOR TO COORDINATE ALL HORN LOCATION WITHIN THE DWELLING UNIT TO PROVIDE SOUND LEVEL AS REQUIRED.
- MOUNT ON SIDE OF CABINET. NO MORE THAN 12" BELOW TOP OF COUNTER TOP.
- NOT USED.
- DOOR BELL CHIME.
- CONNECT TO CORRESPONDING UNIT DOORBELL CHIME.
- RECEPTACLE FOR COUNTER TOP MICROWAVE.
- DOORBELL COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SUPPLIER PRIOR TO ROUGH-IN.
- OVEN RANGE HOOD FAN AND LIGHT SWITCHES MOUNTED BELOW RANGE TOP. REFER TO ARCHITECTURAL DRAWINGS.
- ACCESSIBLE UNIT BATHROOM SHALL HAVE TWO STORBES, ONE FOR LOCAL ALARM AND ONE FOR BUILDING ALARM.
- EMERGENCY PULL CORD IN BATHROOM. WIRE BACK TO SYSTEM PROVIDERS HEAD-END EQUIPMENT. COORDINATE WIRING AND ROUTING WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN.

**1 UNIT 2BR-B FLOOR PLAN**  
1/4" = 1'-0"

**2 UNIT 2BR-C FLOOR PLAN- HC UNIT, SIM TO 2BR-B**  
1/4" = 1'-0"

**GENERAL NOTES:**

- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE SHEET E-? FOR ALL HVAC INFORMATION.
- FOR HANDICAPPED UNITS, RANGE HOOD SWITCHES ARE TO BE MOUNTED 44" A.F.F.
- RECEPTACLES SERVING LAUNDRY, KITCHEN, AND BATHROOM COUNTERS/BASINS TO BE GFCI PROTECTED.
- WITHIN ALL HANDICAP ACCESSIBLE UNITS, ALL AUDIBLE FIRE ALARM DEVICES SHALL HAVE INTEGRAL VISUAL NOTIFICATION.
- PROVIDE DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE IN ALL HANDICAPPED UNITS. PROVIDE ALL NECESSARY HARDWARE AND CONTROL WIRING.
- WALL MOUNTED SMOKE DETECTORS SHALL BE INSTALLED WITH THE TOP OF THE DETECTOR 4" TO 12" FROM THE CEILING.
- EACH BATHROOM SHALL HAVE A SEPARATE CIRCUIT FOR ALL OUTLETS AND EQUIPMENT LOCATED WITHIN THE BATHROOM. NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
- ENSURE ALL BATHROOM COUNTER TOP RECEPTACLES MOUNTED BELOW MEDICINE CABINETS ARE FUNCTIONAL WHEN MEDICINE CABINETS ARE CLOSED. ALIGN WITH LIGHTING SWITCH.
- UNLESS NOTED OTHERWISE, ALL WIRING TO BE #12 AWG. #14 AWG. SHALL BE PERMITTED ON 15 AMP CIRCUITS WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

**LOAD CENTER SCHEDULE - 2BR-B**

CKT #	TRIP	BKR	125A MLO	VOLTAGE: 208/120	PHASE: 1	WIRE: 3 RECESSED MOUNTED		AIC: 10,000	TRIP	PKT #
						DESCRIPTION	TYPE			
1	50/2								20/1	2
3									20/1	4
5	30/2								20/1	6
7									20/1	8
9	20/1								20/1	10
11	20/2								20/1	12
13									20/1	14
15	25/2								15/1	16
17									15/1	18
19									15/1	20
21									15/1	22
23									15/1	24

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

**LOAD CENTER SCHEDULE - 2BR-C**

CKT #	TRIP	BKR	125A MLO	VOLTAGE: 208/120	PHASE: 1	WIRE: 3 RECESSED MOUNTED		AIC: 10,000	TRIP	PKT #
						DESCRIPTION	TYPE			
1	50/2								20/1	2
3									20/1	4
5	30/2								20/1	6
7									20/1	8
9	20/1								20/1	10
11	20/2								20/1	12
13									20/1	14
15	25/2								15/1	16
17									15/1	18
19									15/1	20
21									15/1	22
23									15/1	24

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE EQUIPPED WITH A PAD-LOCK DEVICE SO THAT CIRCUITS CAN BE DISCONNECTED SIMULTANEOUSLY.

**UNIT "2BR-B"**

DESCRIPTION	VA	VA/SF	KVA
SQUARE FOOTAGE	925 SF	3 VA/SF	2.8 KVA
KITCHEN/LAUNDRY	4500 VA		4.5 KVA
RANGES	8000 VA		8.0 KVA
DRYERS	5000 VA		5.0 KVA
DISPOSALS	800 VA		0.8 KVA
DISHWASHERS	1200 VA		1.2 KVA
MICROWAVE/HOOD	1500 VA		1.5 KVA
WATER HEATERS	0 VA		0.0 KVA
<b>SUBTOTAL</b> 23.8 KVA			
DEMAND FACTOR			
1ST 10 KW	10.0 KVA	X 100 %	10.0 KVA
REMAINDER	13.8 KVA	X 40 %	5.5 KVA
HVAC (HEAT PUMP)	2.9 KVA	X 100 %	2.9 KVA
HVAC (COOLING)	N/A	X 100 %	KVA
HVAC (HEATING)	5.2 KVA	X 65 %	3.4 KVA
N.E.C. 220-82			
<b>TOTAL</b>			<b>21.8 KVA</b>
VOLTAGE: 208/120	PHASE: 1		<b>104.8 AMPS</b>

**UNIT "2BR-C"**

DESCRIPTION	VA	VA/SF	KVA
SQUARE FOOTAGE	925 SF	3 VA/SF	2.8 KVA
KITCHEN/LAUNDRY	4500 VA		4.5 KVA
RANGES	8000 VA		8.0 KVA
DRYERS	5000 VA		5.0 KVA
DISPOSALS	800 VA		0.8 KVA
DISHWASHERS	1200 VA		1.2 KVA
MICROWAVE/HOOD	1500 VA		1.5 KVA
WATER HEATERS	0 VA		0.0 KVA
<b>SUBTOTAL</b> 23.8 KVA			
DEMAND FACTOR			
1ST 10 KW	10.0 KVA	X 100 %	10.0 KVA
REMAINDER	13.8 KVA	X 40 %	5.5 KVA
HVAC (HEAT PUMP)	2.9 KVA	X 100 %	2.9 KVA
HVAC (COOLING)	N/A	X 100 %	KVA
HVAC (HEATING)	5.2 KVA	X 65 %	3.4 KVA
N.E.C. 220-82			
<b>TOTAL</b>			<b>21.8 KVA</b>
VOLTAGE: 208/120	PHASE: 1		<b>104.8 AMPS</b>

**PANELBOARD NOTES**

- CONFIRM SIZES & CONNECTION W/ FINAL MECHANICAL EQUIPMENT.
- NO OTHER DEVICES WITHIN THE DWELLING UNIT SHALL BE CONNECTED TO THIS CIRCUIT.
- PRIOR TO FINAL ORDERING OF PANELBOARDS, CIRCUIT BREAKERS, AND ALL ASSOCIATED EQUIPMENT, THE CONTRACTOR SHALL ARRANGE FOR AND PROVIDE TO THE ELECTRICAL ENGINEER OF RECORD VIA THE ARCHITECT A LETTER FROM THE LOCAL POWER COMPANY ON THEIR LETTERHEAD STATING THE SHORT CIRCUIT FAULT CURRENT AVAILABLE AT THE SECONDARY OF THE UTILITY COMPANY TRANSFORMER. INFORMATION SHALL BE USED TO DETERMINE THE FINAL A.I.C. RATINGS OF THE PANELBOARDS, METER CENTERS, MAIN DISCONNECT SWITCHES AND CIRCUIT BREAKERS.

**SPECIAL NOTES:**

- ALL RECEPTACLES WITHIN LIVING UNITS SHALL BE "TAMPER RESISTANT" TYPE.
- ALL 15 AND 20 AMP SINGLE PHASE BRANCH CIRCUITS SUPPLYING LIGHTS, RECEPTACLES, AND SMOKE DETECTORS WITHIN LIVING UNITS SHALL BE PROTECTED BY A LISTED "ARC FAULT CIRCUIT INTERRUPTER" BREAKER INCLUDING THE KITCHEN/SMALL APPLIANCE CIRCUIT, EXEMPT CIRCUITS INCLUDE BATHROOMS, KITCHENS, LAUNDRY ROOMS, GARAGES, AND OUTDOOR RECEPTACLES.

**ACCESSIBLE UNIT GENERAL NOTES:**

- SMOKE DETECTOR SHALL HAVE 110CD VISUAL DEVICE AND SHALL FUNCTION IN UNISON WITH DETECTOR. DEVICE SHALL BE MOUNTED AT 80" AFF OR 6" BELOW CEILING WHICH EVER IS LOWER. SMOKE DETECTOR SHALL BE MOUNTED BETWEEN 4" AND 12" BELOW CEILING. REFER TO ARCHITECTURAL ELEVATION DRAWINGS. PROVIDE RELAY TO LOCALLY ACTIVATE BATHROOM STROBE IN ACCESSIBLE UNITS.
- MINI HORN SHALL BE EQUIPPED WITH VISUAL DEVICE (STROBE). PROVIDE (2) STROBES IN ACCESSIBLE BATHROOM, FOR LOCAL AND BUILDING ALARMS.
- FURNISH AND INSTALL HANDICAP DOOR BELL SYSTEM WITH AUDIO/VISUAL DEVICE AS SHOWN. PUSH BUTTON (PB), TRANSFORMER (TR), BELL/STROBE (BS). QUANTITY OF DEVICES AS SHOWN ON DRAWING. BELL/STROBE DEVICES MOUNTED AT 80" AFF. TRANSFORMERS CAN BE REMOTE MOUNTED. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND CONTROL WIRING.

**ALLEN WILSON II L.P.**  
750 Commerce Drive  
Decatur, Georgia 30030

ALLEN WILSON  
**OLIVER HOUSE**  
Commerce Drive  
Decatur, Georgia

**HADP**  
ARCHITECTURE, INC.  
2722 PIEDMONT RD NE | ATLANTA | GEORGIA 30305  
T: 404.233.4466 | F: 404.233.7396 | LIC. NO. AA 0002442  
E: info@hadp.com | www.HADPArchitecture.com

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Civil Engineer  
**KIMLEY HORN AND ASSOCIATES, INC.**  
817 West Peachtree Street  
The Billmore, Suite 801  
Atlanta, GA 30308 Phone: 404-201-6122  
Contact: MARK KILBY

Structural Engineer  
**STRUCTURAL CONSULTING GROUP**  
6250, SHILON RD, SUIT 330  
ALPHARETTA, GA 30005  
Ph: 678-513-4242  
Contact: JOHN FLANNIGAN

Electrical, Mechanical, Plumbing & Fire Protection Engineer  
**JORDAN & SKALA**  
4275 Shackleford Road, Suite 200  
Norcross, GA 30093  
770-447-5547 Fax: 770-448-0262  
Contact: VERN SMITH

KEY PLAN		
4	Addendum#4 & Co-ordination	4/15/11
3	City Review Comments	4/1/11
2	Addendum#2	2/21/11
1	Addendum#1	2/10/11
Revision	Description	Date
Project No. <b>AH08132.00</b>		
File Name		
Scale	1/8" = 1'-0"	Date August 1, 2011
Drawing Title		
<b>UNIT 2BR-B &amp; 2BR-C PLANS-ELECTRICAL</b>		
Sheet Number		
<b>E4.05</b>		
Professional of Record: <b>Stewart Allan</b> Professional Registration No: <b>GA 3051</b>		
<small>This drawing contains information to be used exclusively for the production of Contract Documents for this Project. The Contract Documents of record are only those in paper, unless otherwise indicated by HADP Architecture, Inc. and they are our professional seal and our signature.</small>		