

STUDENT APARTMENTS

Arkansas State University
Jonesboro, Arkansas

ISSUE
APRIL 28, 2008



W&D

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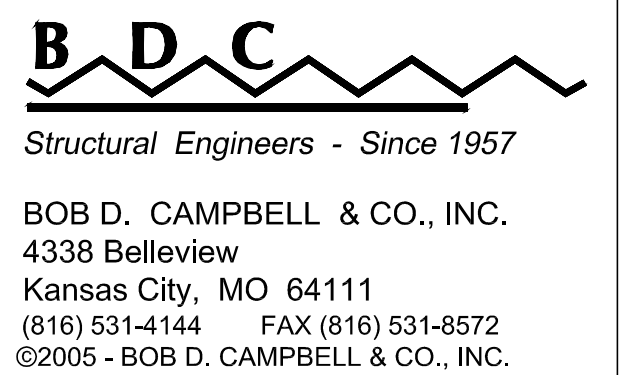
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ABBREVIATIONS	
A.B.	ANCHOR BOLT
A.F.F.	ABOVE FINISH FLOOR
ADJ.	ADJUSTABLE
ALUM.	ALUMINUM
ANCH.	ANCHOR
<	ANGLE
ARCH.	ARCHITECTURAL
ASS'Y.	ASSEMBLY
@	AT
BD.	BOARD
B.D.	BOTTOM OF
BLDG.	BUILDING
BM.	BENCH MARK
B.M.	BENCH MARK
BRG.	BEARING
BTWN.	BETWEEN
CABT.	CABINET
C.B.	CATCH BASIN, CHALKBOARD
C.G.	CORNER GUARD
C.I.P.	CAST-IN-PLACE
C.J.	CONTROL JOINT
CLG.	CEILING
C.M.U.	CONCRETE MASONRY UNIT (LIGHTWEIGHT)
CLEAN OUT	CLEAN OUT
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDITION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CSMT.	CASEMENT
DIM.	DIMENSION
DBL.	DOUBLE
D.F.	DRINKING FOUNTAIN
DIA.	DIAMETER
DIR.	DRAWING
D.S.	DOWNSPOUT
DTL.	DETAIL
DWGS.	DRAWINGS
E.	EAST
E.A.	EACH
E.C.	ELECTRICAL CONTRACTOR
EXIST.	EXISTING
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
EL.	ELEVATION
ENCL.	ENCLOSURE
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXP.	EXPANSION
EXT.	EXTERIOR
ELEV.	ELEVATOR
F.D.	FLOOR DRAIN
F.F.C.D.	FLUSH FLOOR CLEANOUT
F.H.	FLAT HEAD
F.V.	FIELD VERIFY
FIN.	FINISH
FL.	FLOOR
FDN.	FOUNDATION
F.R.	FIRE RATED
F.S.	FLOOR SINK
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
GA.	GAUGE
GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
GEN.	GENERAL
G.I.	GALVANIZED IRON
GL.	GLASS
GYP.	GYPSON
H.C.	HANDICAPPED
HDWR.	HARDWARE
HD. WD.	HARD WOOD
H.M.	HOLLOW METAL
HT.	HEIGHT
HORZ.	HORIZONTAL, HORIZONTALLY
HR.	HR.
H.P.L.	HIGH PRESSURE LAMINATE
HSS.	HOLLOW STEEL SECTION
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
I.P.	INSULATED PANEL
JST.	JOIST
JT.	JOINT
LOC.	LOCATE, LOCATION
L.T. WT.	LIGHTWEIGHT
L.T.	LIGHT
LWCMU.	LIGHT WEIGHT CONC. MASONRY UNIT
MAS.	MASONRY
MAT.	MATERIAL
MAX.	MAXIMUM
MB.	MARBLE THRESHOLD
M.C.	MECHANICAL CONTRACTOR
MECH.	MECHANICAL
MIN.	MINIMUM
M.D.	MASONRY OPENING
MT.	METAL THRESHOLD
MTL.	METAL
NOM.	NOMINAL
N.	NORTH
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NWCMU.	NORMAL WEIGHT CONCRETE MASONRY UNIT
O.C.	ON CENTER
O.D.	OVERFLOW DRAIN
OFF.	OFFICE
OPER.	OPERATOR
OPNG.	OPENING
OPP.	OPPOSITE
OZ.	OUNCE
PART. BD.	PARTICLE BOARD
P.C.	PORTLAND CEMENT
PER.	PERIMETER
PL.	PLATE
P.L.	PLASTIC LAMINATE
PNL.	PANEL
PLYWD.	PLYWOOD
POLYSTY.	POLYSTYRENE
POLY.	POLYETHYLENE
QTY.	QUANTITY

MATERIALS LEGEND	
R.D.	ROOF DRAIN
REF.	REFER TO, REFERENCE
REFL.	REFLECTED
REINF.	REINFORCING, REINFORCED
REQ'D.	REQUIRED
RET'G.	RETAINING
REV.	REVERSE, REVERSED
R.J.	RUSTICATION JOINT
R.M.	ROOM
R.O.	ROUGH OPENING
R.S.	ROUGH SAWN
S.	SOUTH
SECT.	SECTION
SHT.	SHEET
SIM.	SIMILAR
S.N.D.	SANITARY NAPKIN DISPENSER
S.S.	STAINLESS STEEL
STA.	STATION
STL.	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENSION, SUSPENDED
SYM.	SYMMETRICAL
SCHED.	SCHEDULE
T.B.	TACKBOARD
T.O.	TOILET DISPENSER
T.O.	TOP OF
TEMP.	TEMPERED, TEMPORARY
TLT.	TOILET
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VCT.	VINYL COMPOSITION TILE
VER.	VERIFY
VERT.	VERTICAL
W.	WEST
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
WDO.	WINDOW
W.W.F.	WELDED WIRE FABRIC
W.R.	WATER RESISTANT

SYMBOLS LEGEND	
BUILDING SECTION REFERENCE	
SECTION REFERENCE	
ELEVATION REFERENCE	
ELEVATION MARK	
DETAIL REFERENCE	
COLUMN GRID	
CHANGE OF FINISH MATERIAL	
DOOR SYMBOL	
WINDOW TYPE INTERIOR	
WINDOW TYPE EXTERIOR	
WALL PARTITION TYPE	
KEYNOTE	
ROOM NAME / NUMBER	
CEILING HEIGHT	
INDICATES HC TYPE A UNIT	
INDICATES HC ADAPTABLE TYPE B UNIT	

VICINITY MAP

NEW STUDENT APARTMENTS SITE

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PROJECT TITLE

Student Apartments

Arkansas State University
Jonesboro, Arkansas

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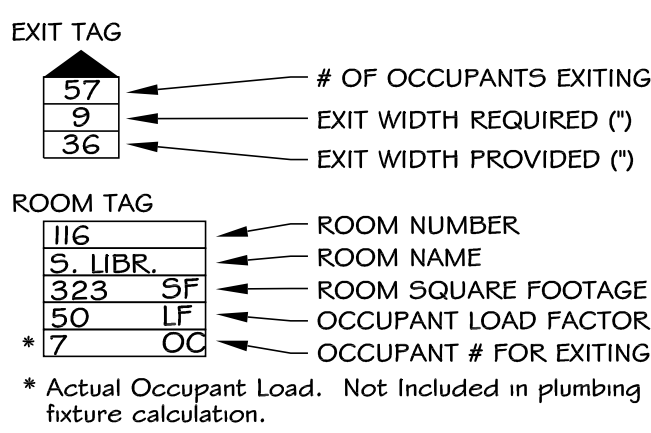
GENERAL DATA SHEET

REVISIONS

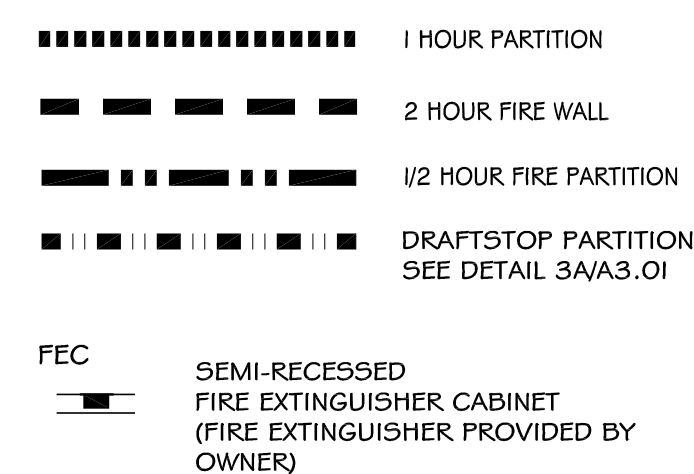
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G1.01			

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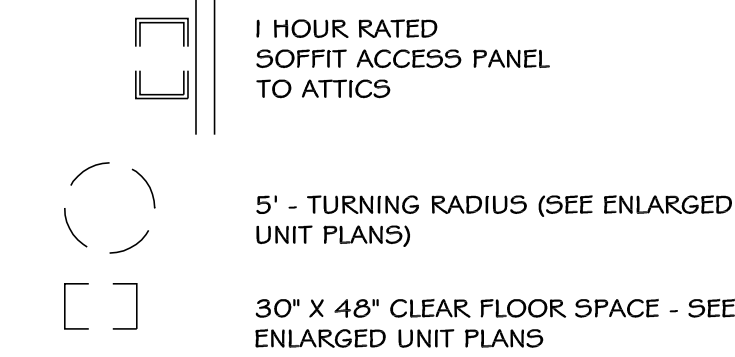
CODE PLAN KEY



FIRE PROTECTION DELINEATION (707.4 p. 93)



PLAN FEATURE DELINEATION



Area Calculations

(3) Buildings Total

Building 1, 2, & 4 (Mirrored)

Per Building:

First Floor:	7,182 Square Feet
Second Floor:	7,182 Square Feet
Third Floor:	7,182 Square Feet
Total/Building:	21,546 Square Feet

(3) Buildings Total: 64,638 Square Feet
Target: 64,710 Square Feet
Over/(Under): (72) Square Feet

Units & Beds

Summary:

2 Bedroom Units/Beds:	36 Units/72 Beds
3 Bedroom Units/Beds:	27 Units/81 Beds
4 Bedroom Units/Beds:	9 Units/36 Beds
TOTALS:	72 Units/189 Beds

CODE INFORMATION

FACILITY
Student Apartments
Arkansas State University
Jonesboro, Arkansas

PROJECT DESCRIPTION
A compound of buildings comprised of 2, 3, and 4 bedroom suites complete with kitchens. The compound of buildings will consist of three, three story walk-up apartment buildings and a commons building that will house service and support areas.

Construction:
Concrete foundations with slab on grade. Wood walls on all three floors. Upper floors and roof framing will be wood. Limited use of structural steel. Stairs and open corridors above the slab will be steel and concrete. Exterior will be split faced block and stucco board veneer. Roof shingle will be residential grade fiberglass.

FIRE PARTITIONS
Required: @ Separation between Sleeping Units (708.1)
Rating: 0.5 hr. (708.3 exc.2)
Continuity: floor to assembly above (708.4)
Openings: 0.33 hr. assy. (708.6, tbl.715.3)

Required: @ Corridor walls (708.1)
Rating:
R > 10 occ. Sprinklered 0.5 hr (708.3 exc.2 p.95 & tbl. 1016.1)
Continuity: floor to assembly above (708.4)
Openings: 0.33 hr. assy. (708.6, tbl.715.3)

HORIZONTAL ASSEMBLIES
Required: @ Separation between Sleeping Units (711.3)
Rating: 0.5 hr. (711.3 p.96 w/ exc.)
Continuity: continuous (711.4)
Openings: per 712 (711.5)

APPLICABLE CODES

1. Fire Prevention Code	2002 Arkansas Fire Prevention Code, Volume I
2. Building Code	2002 Arkansas Fire Prevention Code, Volume II
3. Residential Code	2002 Arkansas Fire Prevention Code, Volume III
4. Electrical Code	2002 National Electrical Code NFPA70-1996 (State Board of Electrical Examiners - Charles Covington 683-4039)
5. Plumbing Code	2003 Arkansas State Plumbing Code, 9th Edition (Health Department Contact - Jim Ward 661-2642)
6. Gas Code	1995 Arkansas State Gas Code (Health Department Contact - Jim Ward 661-2642)
7. Liquefied Petroleum Gas Code	2005 State Code Liquefied Petroleum Gas Containers and Equipment - State of Arkansas (Contact number 683-4100)
8. Mechanical Code	2003 Arkansas Mechanical Code (Health Department Contact - William Keathley 661-2642)
9. Energy Code	2004 Arkansas Rule and Regulations for Energy Efficiency

CONCEALED SPACES

Fireblocking (717.2)
Required: @ Concealed Wall Spaces, Connection between Horiz. & Vert. Concealed Spaces, Stairways, Clg. # Floor Openings, Architectural (exterior) trim, Concealed Sleeper Space (717.2.2-7)
Draftstopping in Floors (717.3)
Not Req'd: w/ 903.3.1.1 Sprinkler (717.3.2 exc.1)
Draftstopping in Attics (717.4)
Not Req'd: w/ 903.3.1.1 Sprinkler (717.3.2 exc.2)
Attic space NOT required to be sprinklered if sprinklered per NFPA13
Attic space IS required to be sprinklered if sprinklered per NFPA13R

WALL AND CEILING FINISHES (803.1 & tbl.803.5)

Vertical Exits: Class C
Other Exits: Class C
Rooms & Spaces: Class C
* < 3 stories bldg. height w/ sprinkler (exc. b)

AUTOMATIC SPRINKLER SYSTEMS

R-2: Required (903.2.7)

STANDPIPE SYSTEMS

Required: Class I Allowed (905.3.1 exc.1)

FIRE EXTINGUISHERS - F.E. (International Fire Code)

1 F.E. / 3000sf: (22,488 sf - 8 req'd) (tbl.906.3.1)
Max. travel distance = 75'

FIRE ALARM & DETECTION SYSTEMS

FIRE ALARMS - F.A.
R-2: Not Required (907.2.9 exc.2)
NFPA 72 Fire Alarm to be installed in building typ. (Ref: MEP Dwg. for device locations)

MEANS OF EGRESS

Occupant Load 200 sf per occupant (tbl.1004.1.1)
Room numbers, names, s.f., load factors, & occ. indicated on code plans.
Occupant numbers indicated at exits from rooms & from building.
Egress width, Stairs, Sprinklered (1005.1)
R-2: 0.20'
Egress width, Level, Sprinklered (1005.1)
R-2: 0.15'
Ref. plans for exit width req'd & provided, tags @ stairs & exit doors.
Corridor rating Table 1017.1
.5 HR With automatic sprinkler system
Min. Corridor Width 1017.2 44" min.
Accessible Means of Egress (1007.1)
Elevator not required or provided (1007.4 & 1007.4)
Area of Refuge not required (1007.4 exc.2 & 1007.6.2 exc.2)

Min. Exit Door width (1008.1.1)
R-2: 32" (> 50 Occ. swing w/ egress)
Min. Stair width (1009.1)
R-2: 44", 36" < 50 occ.
Min. Landing width (1009.4)
R-2: Match Stair width
Min. Ramp width (1010.4)
R-2: Match Corr. width
Exit access, doors required (1014.1)

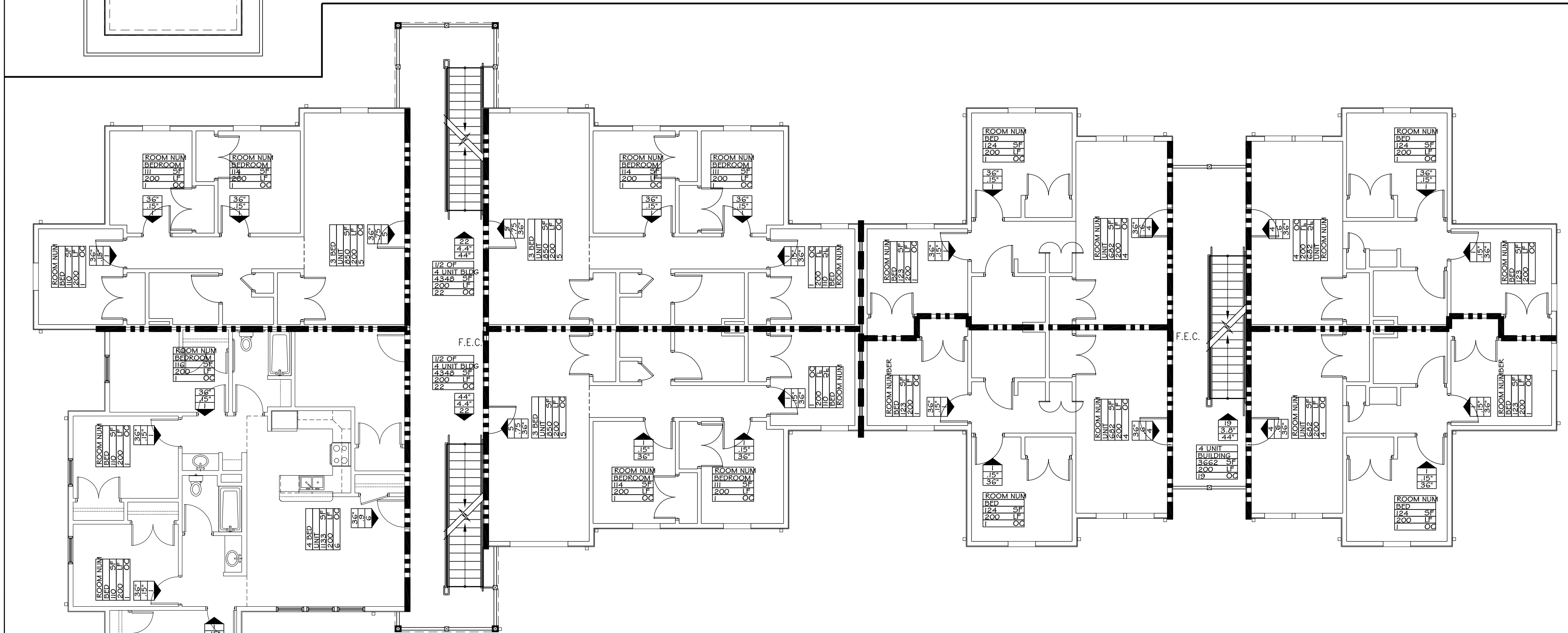
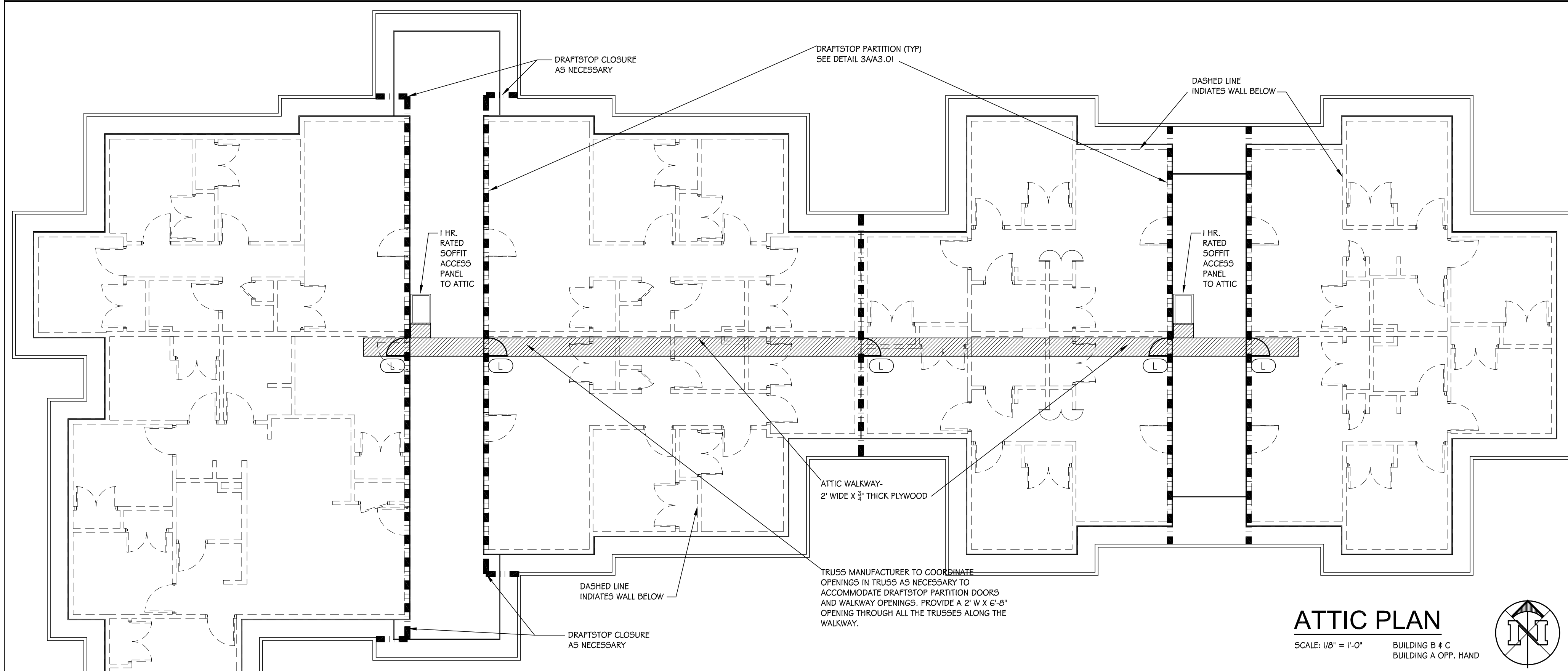
Buildings With One Exit Table 1019.2
R-2: Only one exit required if only 4 dwelling units max per floor and 50' max travel distance.
3 stories allowed per note c.
Exterior Stairways allowed (1023.2)
Exterior Stairway Protection (1023.6 & 1020.1.4) 1 Hr. 1/3 Diagonal (1014.2.1 exc.2)
Ref. Code Plans for graphic distance illustration.

Special Exit Requirements
Mechanical Rooms < 500 s.f.: Not req'd (1014.3)
Emergency escape & rescue
Not req'd (1025.1 exc.1)
Travel Dist. to Exit, Sprinklered (1015.1) Corridor Fire-Resistance, Sprinklered (1016.1)
R-2 > 10 Occ.: 0.5 hr. fire partition
Min. Corridor/Exit width (1016.2 exc.2)
R-2: 44", 36" < 50 occ.
Max. Dead-end Corridor length (1016.3)
R-2: 20'
Exit continuity
Continuous from point of entry to discharge (1018.3)
Exit passageways extend interior Exit Enclosures to exterior (1019.1)
Vertical Exit Enclosures Required (1019.1)
Not used for any purpose other than egress (1019.1)
(1019.1.4)
Exit Passageways Not used for any purpose other than egress (1020.1)

ACCESSIBILITY
Accessibility Required: (1103.1)
Route Req'd within Site: (1104.1)
Entrances: > 50% to be accessible (1105.1)
Parking: 2% (1106.2) (Ref. Site Plan)
Accessible Sleeping Units: 2 (per table 1107.6.1.1)
Shower (1107.6.2.2.1 & tbl. 1107.6.1.1)
All units (1107.6.2.2.2)

MINIMUM PLUMBING FACILITIES (tbl. 2902.1)

Type	WC's	Lav's	Shwr's	DF's	S.Sink
R2	1:10	1:10	1:8	1:100	1



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WD&D ARCHITECTS

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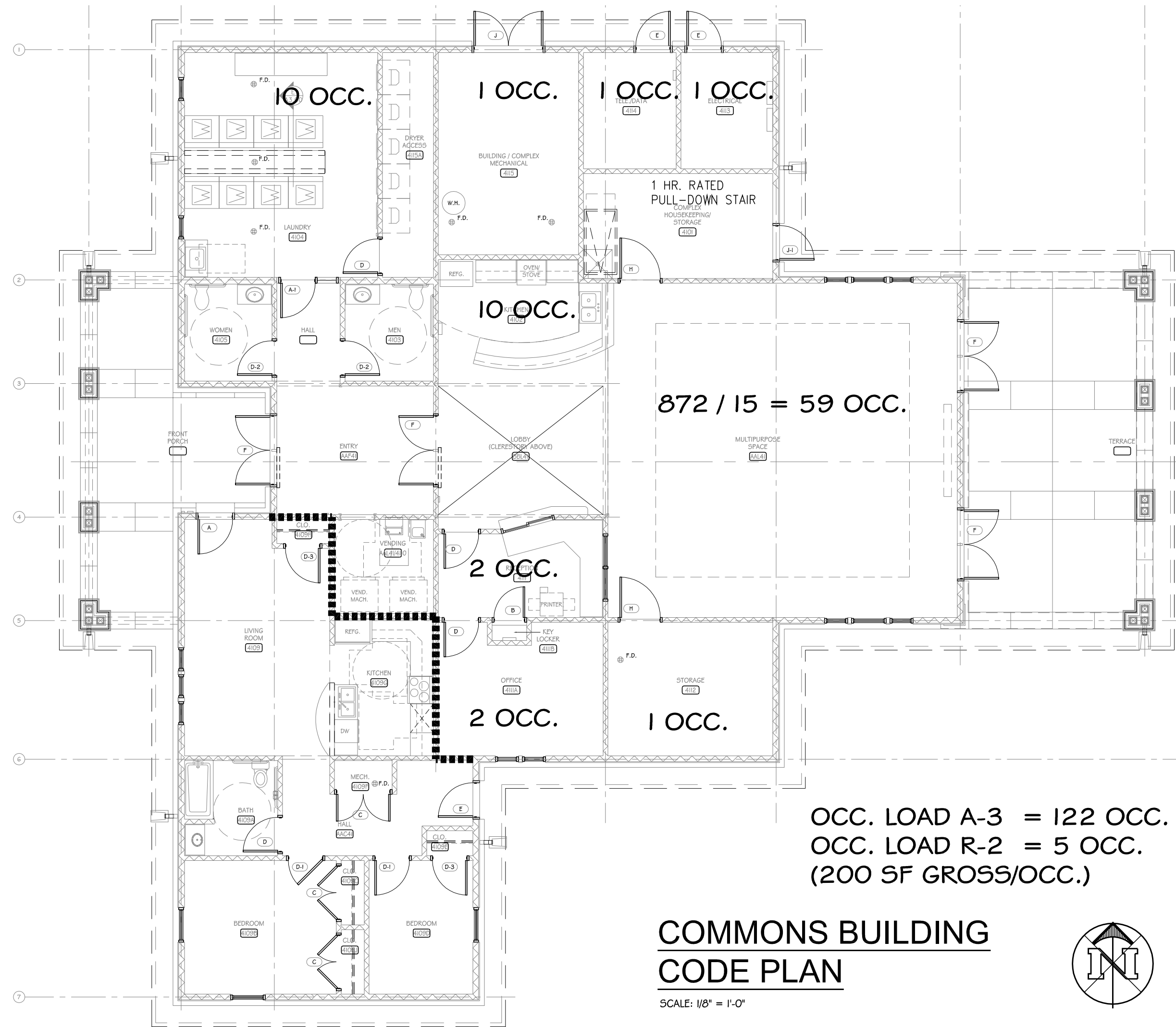
CONTENTS
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APARTMENT BUILDINGS (A, B, & C)
CODE PLAN

REVISIONS

SHEET	DATE	REVISIONS
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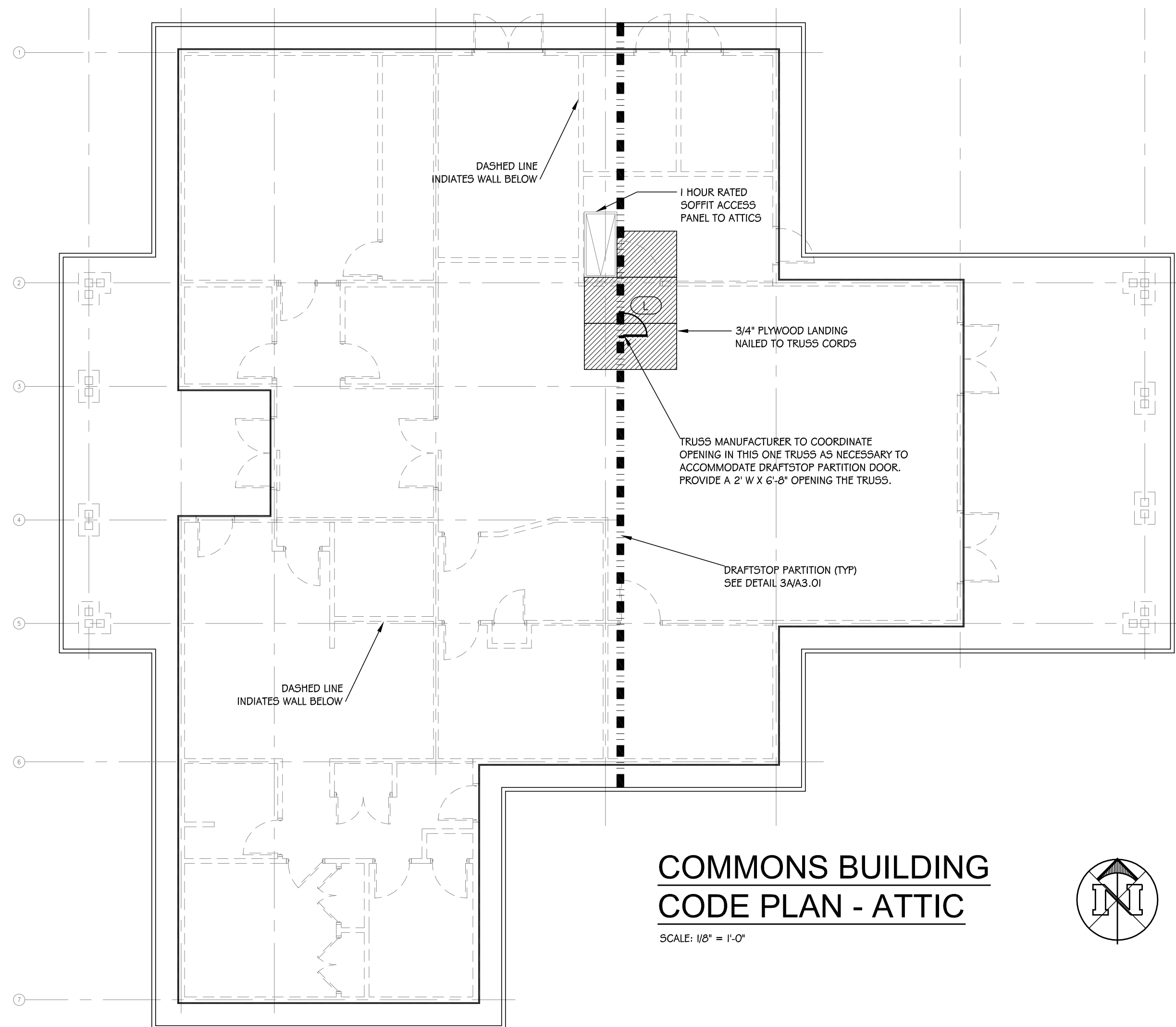
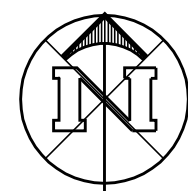
ISSUE



OCC. LOAD A-3 = 122 OCC.
 OCC. LOAD R-2 = 5 OCC.
 (200 SF GROSS/OCC.)

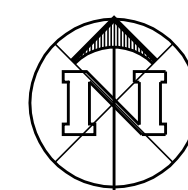
**COMMONS BUILDING
 CODE PLAN**

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

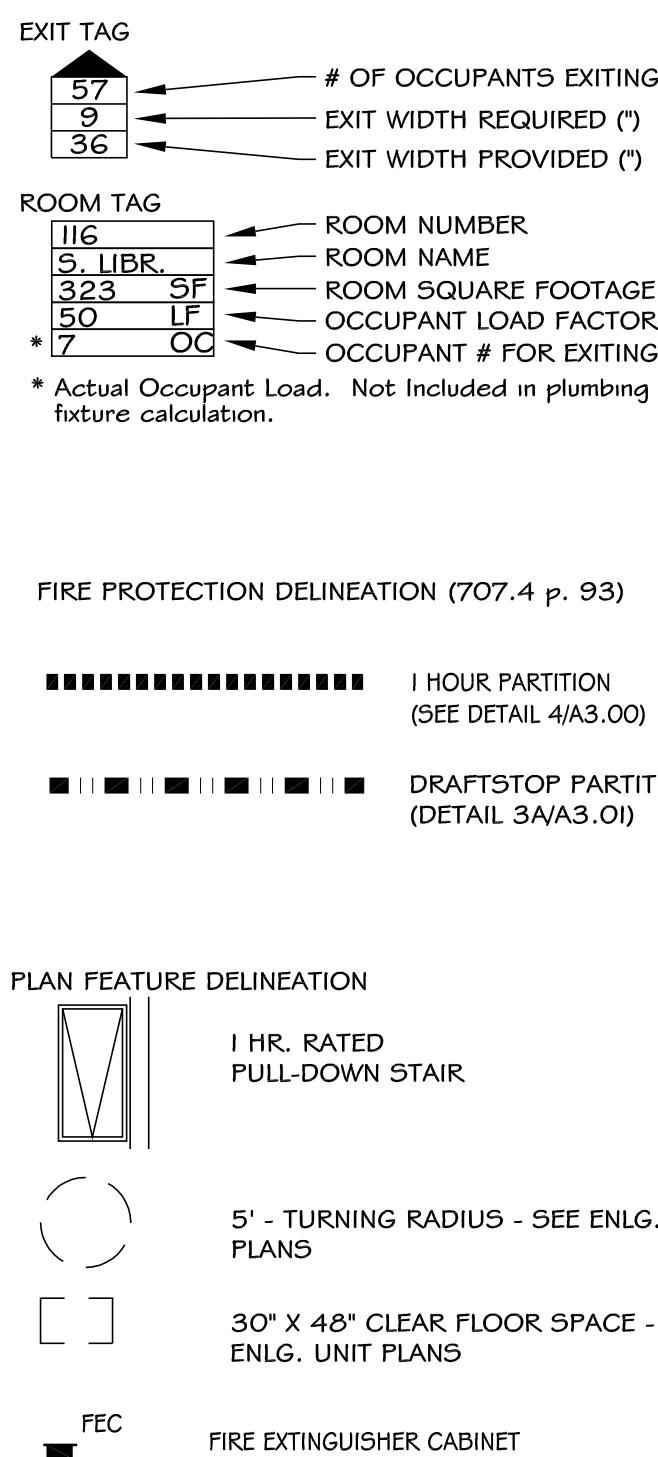


**COMMONS BUILDING
 CODE PLAN - ATTIC**

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



CODE PLAN KEY



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3. Residential Code 2002 Arkansas Fire Prevention Code, Volume III
4. Electrical Code 2002 National Electrical Code NFPA70-1996 (State Board of Electrical Examiners - Charles Covington 683-4039)
5. Plumbing Code 2003 Arkansas State Plumbing Code, 9th Edition (Health Department Contact - Jim Ward 661-2642)
6. Gas Code 1995 Arkansas State Gas Code (Health Department Contact - Jim Ward 661-2642)
7. Liquefied Petroleum Gas Code 2005 State Code Liquefied Petroleum Gas Containers and Equipment - State of Arkansas (Contact number 683-4100)
8. Mechanical Code 2003 Arkansas Mechanical Code (Health Department Contact - William Keathley 661-2642)
9. Energy Code 2004 Arkansas Rule and Regulations for Energy Efficiency

FIRE PARTITIONS
 Required: @ Separation between Sleeping Units (708.1)
 Rating: 0.5 hr. (708.3 exc.2)
 Continuity: floor to assembly above (708.4)
 Openings: 0.33 hr. assay. (708.6, tbl.715.3)

HORIZONTAL ASSEMBLIES
 Required: BY CONSTRUCTION TYPE
 Rating: IHR
 Continuity: continuous (711.4)
 Openings: per 712 (711.5)

CONCEALED SPACES
 Fireblocking (717.2)
 Required: @ Concealed Wall Spaces, Connection between Horiz. & Vert. Concealed Spaces, Clg. # Floor Openings, Architectural (exterior) trim, Concealed Sleeper Space (717.2.2-7)
 Draftstopping in Floors (717.3)
 Not Req'd: w/ 903.3.1.1 Sprinkler (717.3.2 exc.1)
 Draftstopping in Attics (717.4)
 (717.3.2 exc.2)
 Attic space NOT required to be sprinklered if sprinklered per NFPA13

WALL AND CEILING FINISHES (803.1 & tbl.803.5)
 Vertical Exits: Class C*
 Other Exitways: Class C
 Rooms & Spaces: Class C
 * <3 stones bldg. height w/ sprinkler (exc.b)

AUTOMATIC SPRINKLER SYSTEMS
 A-3: Not Required (903.2.1.3)

STANDPIPE SYSTEMS
 Required: Class I Allowed (905.3.1 exc.1) (PROVIDED)

FIRE EXTINGUISHERS - F.E. (International Fire Code)
 1 F.E. / 3000sf: (4,153 sf - 2 req'd) (tbl 906.3.1)
 Max. travel distance = 75'

FIRE ALARM & DETECTION SYSTEMS
 FIRE ALARMS - F.A.
 R-2: Not Required (907.2.9 ex.2)
 NFPA 72 Fire Alarm to be installed in building typ. (Ref: MEP Dwg's. for device locations)

MEANS OF EGRESS
 Occupant Load ASSUME 15 SF/OCCUPANT FOR ASSEMBLY (tbl 1004.1.1)

Room numbers, names, s.f., load factors, # occ. indicated on code plans.
 Occupant numbers indicated at exits from rooms # from building.
 Egress width, Stairs, Sprinklered (1005.1)
 A-3: 0.20"
 Egress width, Level, Sprinklered (1005.1)
 A-3: 0.15"
 Ref. plans for exit width req'd provided, tags @ stairs & exit doors.
 Min. Corridor Width 1017.2 44" min.
 Accessible Means of Egress (1007.1)
 Elevator not required or provided (1007.2 # 1007.4)
 Area of Refuge not required (1007.4 exc.2 # 1007.6.2 exc.2)
 Min. Exit Door width (1008.1.1)
 A-3: 32" (> 50 Occ. swing w/ egress)
 Min. Stair width (1009.1)
 A-3: 44", 36" < 50 occ.
 Min. Landing width (1009.4)
 A-3: Match Stair width
 Min. Ramp width (1010.4)
 A-3: Match Corr. width
 Exit access, doors required (1014.1)
 1/3 Diagonal (1014.2.1 exc.2)
 Ref. Code Plans for graphic distance illustration.
 Special Exit Requirements
 Mechanical Rooms < 500 s.f.: Not req' (1014.3)
 Travel Dist. to Exit, Sprinklered (1015.1) 250 feet
 Max. Dead-end Corridor length (1016.3)
 A-3: 20'
 Exit continuity
 Continuous from point of entry to discharge (1018.3)

COMMONS BUILDING

MIXED, NON-SEPARATED OCCUPANCIES PER 302.3.1
 USE # OCCUPANCY CLASSIFICATION (302.1)
 ASSEMBLY: A-3 COMMUNITY HALL (303.1)
 Incidental Use Areas (tbl.508.2)
 Laundry Room > 100 sf: 1 hr. separation or Auto Fire-extinguishing System (PROVIDED)
 Storage Room > 100 sf: 1 hr. separation or Auto Fire-extinguishing System (PROVIDED)

BUILDING HEIGHTS & AREAS
 Base Allowable Height & Areas (tbl.503)
 Group A-2, Type VA: 2 story / 11,500 sf / 50' ht.

Height Modifications:
 Not necessary
 Actual building ht. 28' < 50'
 Area Modifications:
 Not necessary
 Levels Occupancy Area Permitted Actual Area
 1st A3 11,500 4,153 SF

BUILDING CONSTRUCTION TYPE
 Construction Classification - V (602.5)
 Fire Resistance Rating - A (tbl.601)

Rating Req. for Bldg. Elements (tbl.601)
 Structural Frame 1 hrs
 Bearing Walls Exterior 1 hrs
 Bearing Walls Interior 1 hrs
 Nonbearing Walls Exterior 1 hrs*
 Nonbearing Walls Interior 0 hrs
 Floor Construction 1 hrs
 Roof Construction 1 hrs
 (tbl.602 p.83)

WALLS ARE TO BE RATED FROM INSIDE EXPOSURE ONLY (SECT 704.5)

EXTERIOR WALLS
 Openings: No limit (tbl.704.8 ex. G)

FIRE WALLS
 705.1.1 Party Walls shall be constructed without openings and shall create separate buildings.
 Table 705.4 Fire Rating for building fire wall shall be 2 hours (NOT REQUIRED)

FIRE BARRIERS
 NOT REQUIRED

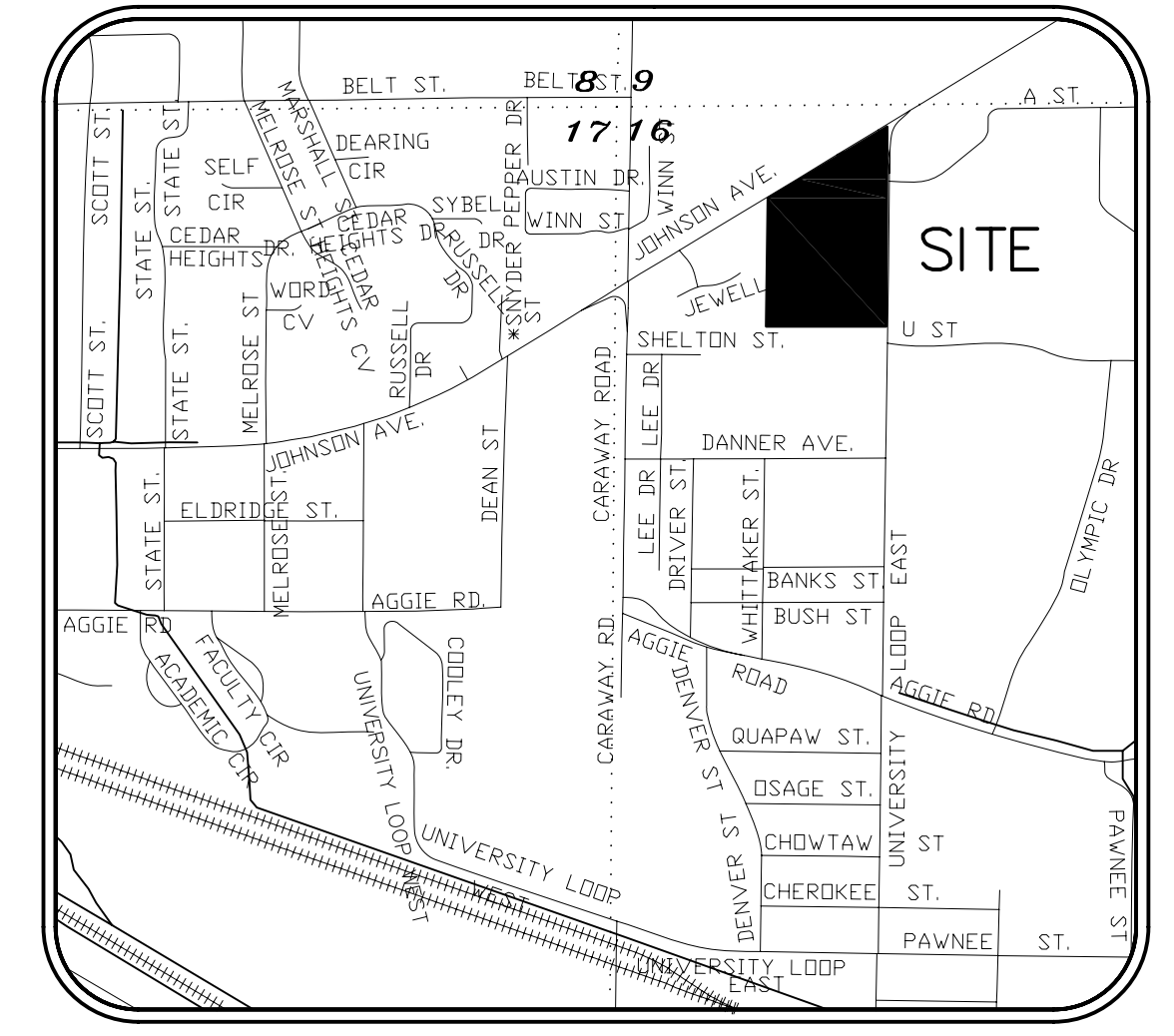
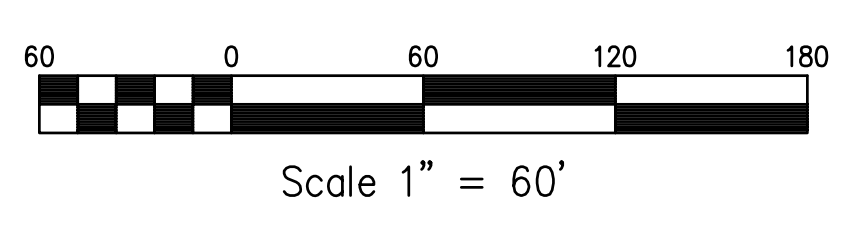
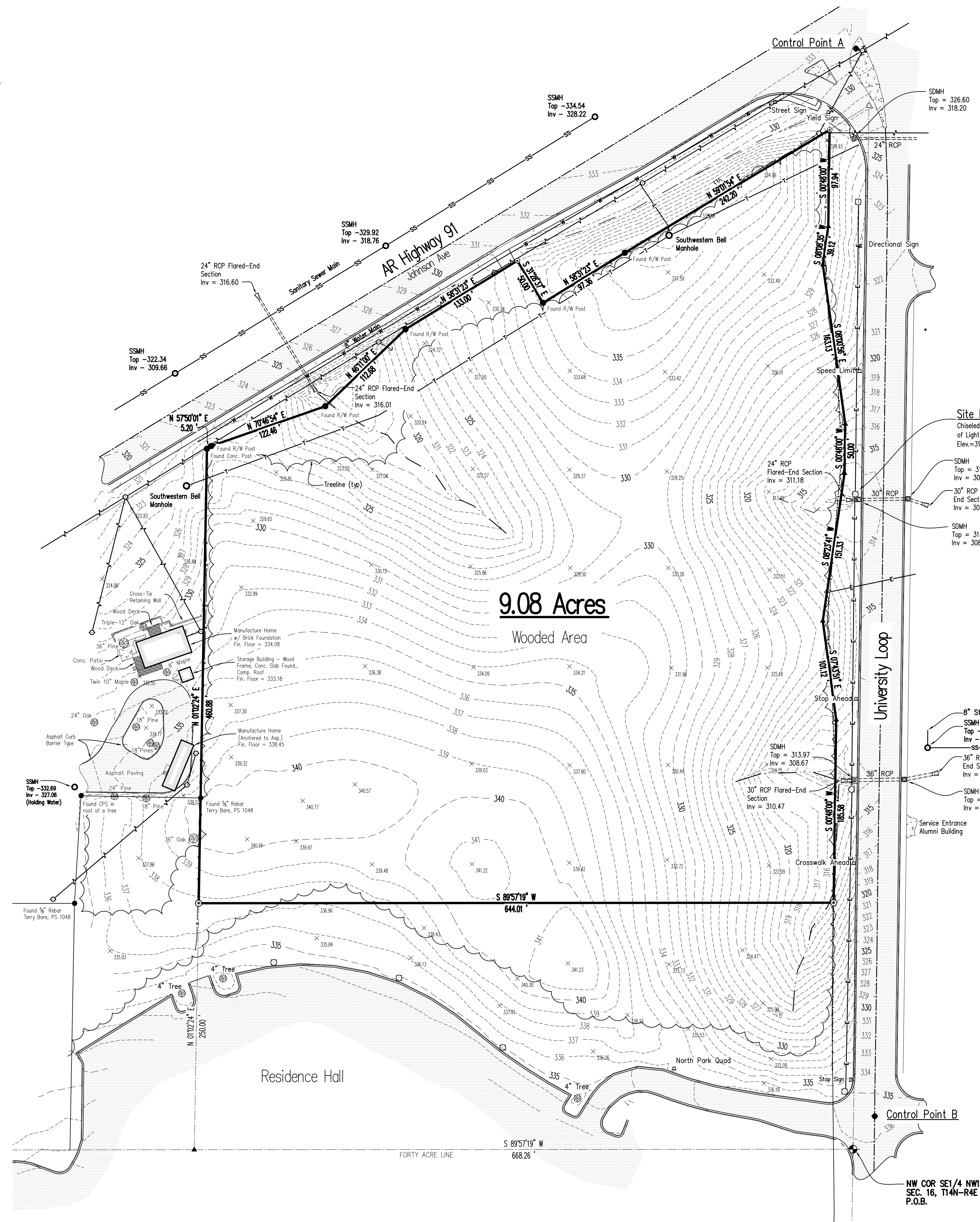
SHAFT ENCLOSURES
 NOT REQUIRED

SPACE	PROGRAM	ACTUAL	DIFF.
LOBBY	177	208	31
RECEPTION	0	115	115
OFFICE	150	164	14
PUBLIC RESTROOMS	100	128	28
LAUNDRY	400	386	-14
VENDING	50	74	24
MULTIPURPOSE	1000	872	-128
KITCHEN	100	118	18
JANITOR	50	40	-10
STORAGE	150	164	14
COMPLEX MECHANICAL ROOM	225	213	-12
ELECTRICAL ROOM	120	80	-40
TELE/DATA ROOM	150	80	-70
COMPLEX HOUSEKEEPING STORAGE	0	147	147
RESIDENT DIRECTOR APT.	0	819	819
TOTAL NET AREA	2672	3608	936
TOTAL GROSS AREA	3820	4153	333

FIRE SEPARATION DISTANCE PER TABLE 602 ASSUMED > 5' < 10' (ALLOWS CLOSEST ADJACANT BUILDING TO MAINTAIN ≥ 10', < 30' EXPOSURE.)



GRID NORTH, ARKANSAS STATE PLANE NORTH ZONE (0301),
 355°10'18.00" N, 90°40'08.86" W,
 CON. 0.7745293, C.F. 0.9993588



VICINITY MAP
(NOT TO SCALE)

LEGAL DESCRIPTION:

A Part of the Northwest Quarter of Section 16, Township 14 North, Range 4 East, Craighead County, Arkansas; Being more particularly described as follows:

Beginning at the Northwest corner of the Southeast Quarter of the Northwest Quarter of Section 16, Township 14 North, Range 4 East, Craighead County, Arkansas; Thence North 89°57'19" West, along the Forty-Acre Line, 668.26 feet; Thence North 01°02'24" East 250.00 feet, to the point of beginning proper; Thence continue North 01°02'24" East 460.88 feet to a point on the Southerly Right-of-Way line of Arkansas Highway No. 91; Thence along said Right-of-Way line as follows; North 57°50'01" East 5.20 feet; North 70°46'54" East 122.46 feet; North 46°11'00" East 112.68 feet; North 58°31'23" East 133.00 feet; South 31°28'37" East 50.00 feet; North 58°31'23" East 97.36 feet; North 59°01'54" East 242.20 feet, to the West Right-of-Way Line of University Loop; Thence along said Right-of-Way line as follows; South 00°48'00" West 97.94 feet; South 08°08'35" West 39.12 feet; South 08°00'56" East 163.13 feet; South 00°48'00" West 50.00 feet; South 08°23'41" West 151.33 feet; South 07°43'51" East 101.12 feet; South 00°48'00" West 185.58 feet; Thence South 89°57'19" West 644.01 feet, to the point of beginning proper; Containing 9.08 Acres, more or less; Being subject to all Rights-of Way and Easements of record.

GENERAL NOTES:

The Site Benchmark is a chiseled square at the concrete base of a Light Pole, located at the East side of the Site hereon, lying West of University Loop. (Elev.=313.47), as shown on the plat hereon.

Horizontal Control Points:
 A. N=554520.55, E=1705744.71
 B. N=553438.18, E=1705763.78

The underground utilities shown have been located by field measurements and existing utility maps. Haywood, Kenward, Bare & Associates Inc. make no warranty to the exact location of the utilities shown or not shown on this drawing. It shall be the responsibility of the contractor to verify any and all utilities prior to construction. Call Arkansas One-Call 1-800-482-8998 before you dig!

LEGEND:

- Found Monument (as noted)
- Set 5/8" Rebar with Plastic Cap
- ▲ Calculated Point
- Utility Pole
- Light Pole
- Telephone Pedestal
- ⊞ Gas Meter
- ⊞ Water Valve
- ⊞ Water Meter
- Fire Hydrant
- Manhole (as noted)
- ⊞ Sanitary Sewer Cleanout
- ⊞ Storm Drain Manhole
- Sign (as noted)
- Steel Ballard
- ⊞ Tree (as noted)
- Overhead Electric Line
- Waterline
- SS- Sanitary Sewer Line
- X- Wire Fence Line
- T- Underground Telecommunication Line
- E- Underground Electric Line

NO. 234
7/29/07

7/29/07

CLIENT: Arkansas State University

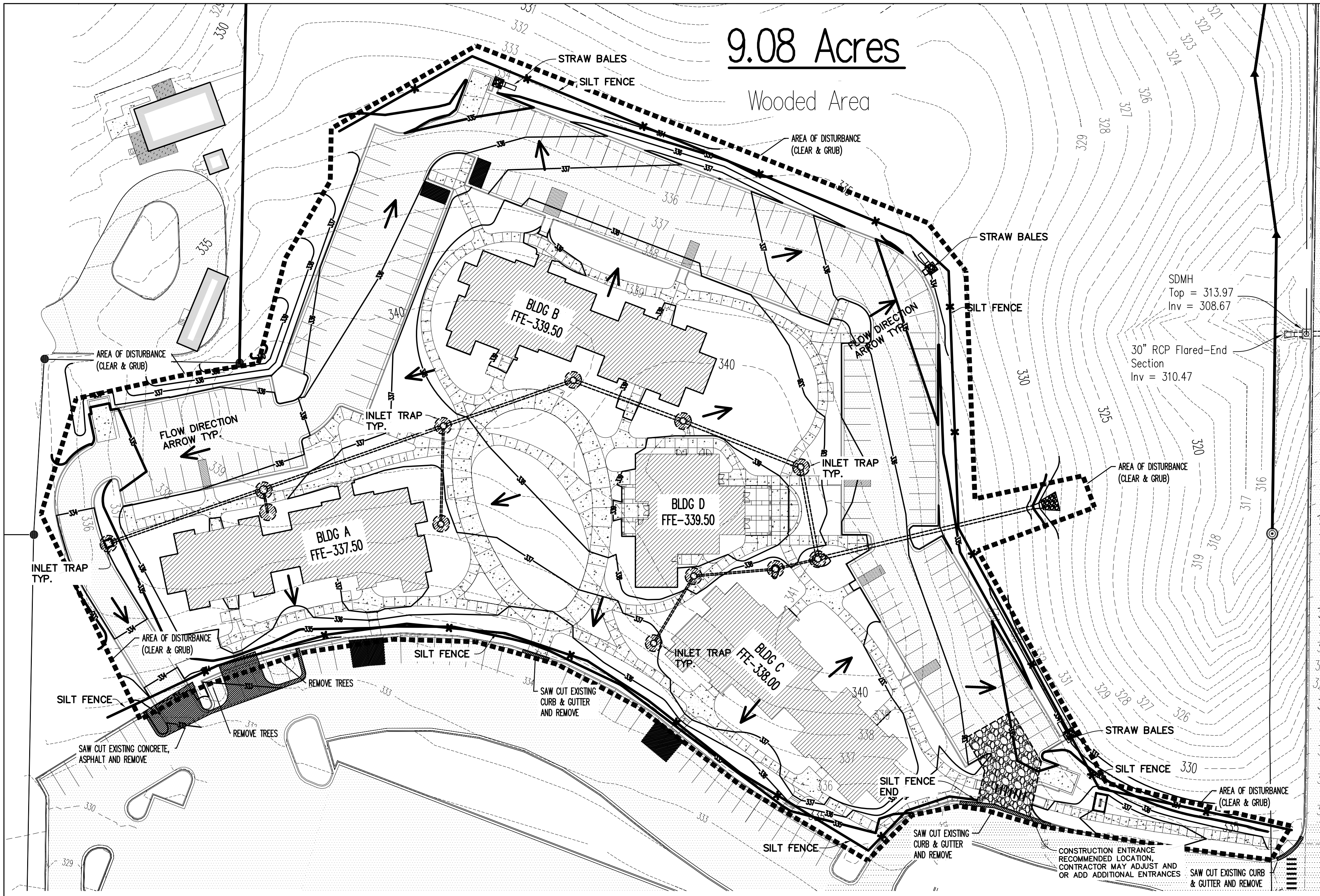
TOPOGRAPHIC SURVEY

A part of the Northwest Quarter of Section 16,
 Township 14 North, Range 4 East
 Jonesboro, Craighead County, Arkansas

HAYWOOD, KENWARD, BARE & ASSOCIATES, INC.
 CIVIL ENGINEERING - SURVEYING - PLANNING
 3301 E. HIGHLAND DRIVE
 JONESBORO, ARKANSAS 72401

REVISIONS	
DATE	DESCRIPTION

SURVEY INDEX CODE 500-14N-04E-0-16-400-16-1596	
PROJECT NO. A001-0017-04	
DRAWN BY JHB	CHECKED BY
SHEET 1 OF 1	SCALE 1" = 60'
DATE 07/10/07	DRAWING NO. 61-24



9.08 Acres

Wooded Area

EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION ENTRANCES AT LOCATIONS AS INDICATED ON PLANS PRIOR TO EARTHWORK.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE LOCATED AND MAINTAINED SUCH THAT THE LOCATION DOES NOT INTERFERE WITH CONSTRUCTION ACTIVITIES. REFER TO THE CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP) REPORT FOR IMPLEMENTATION, INSTALLATION, MAINTENANCE AND/OR APPLICATION REQUIREMENTS AND SEQUENCES.
3. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES ON SITE AND AT LEAST 20' FROM THE DISTURBED AREAS.
4. CURB INLET SEDIMENT CONTROL SHALL BE PLACED AND MAINTAINED AT EACH INLET.
5. INSTRUCTION/DIRECTION OF THE INSPECTOR SHALL PREVAIL OVER THE CONSTRUCTION SWPPP PLAN.

MAINTENANCE AND OPERATION NOTES:

1. AN INSPECTION SHALL BE MADE BY HAYWOOD, KENWARD, BARE AND ASSOCIATES, INC.(INSPECTOR) WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 1/2" OR MORE.
2. ALL OBSERVED DEFICIENCIES IN BEST MANAGEMENT PRACTICES (BMP) WILL BE RECORDED.
3. SEDIMENT SHALL BE REMOVED BEHIND SILT FENCING OR ROCK CHECK DAMS ONCE SEDIMENT REACHES 1/3 THE HEIGHT OF THE SILT FENCE OR ROCK CHECK DAMS.

GENERAL NOTES:

1. AFTER COMPLETION OF CONSTRUCTION THE NEW RUNOFF COEFFICIENT SHALL BE 0.50.
2. THE STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN AND ITS ASSOCIATED REPORT ARE INTENDED TO MINIMIZE POLLUTANT LOADS OCCURRING IN STORM WATER DISCHARGES, FROM THE CONSTRUCTION SITE. THE CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED BEYOND THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND UNTIL 70% OF THE SITE HAS BEEN STABILIZED.
3. IMPLEMENTATION, INSTALLATION, APPLICATION AND MAINTENANCE OF THE STORM WATER POLLUTION PREVENTION CONTROL MEASURES SHALL BE IN COMPLIANCE WITH APPLICABLE STATE OR LOCAL WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS.

GENERAL NOTES - EROSION BALES

DESCRIPTION: STRAW OR HAY EROSION BALES MAY BE USED AS FILTERS ALONG THE TOE OF FILL SLOPES, AS EROSION CHECKS IN DITCHES, AND AS SEDIMENT TRAPS AT INLETS AND OUTLETS. STRAW BALES MAY BE PLACED BELOW FILL SLOPES TO PROTECT ROADS, AND AS ENERGY DISSIPATORS FOR HIGH VELOCITY RUNOFF.

CONSTRUCTION: BALES SHALL BE LAID TO MAINTAIN TIGHT JOINTS. EROSION BALES WILL NOT FILTER SEDIMENT OUT OF WATER IF THE WATER IS ALLOWED TO FLOW BETWEEN, AROUND, OR UNDERNEATH THE BALES. THE BALES SHOULD BE ENTRENCHED 6 INCHES AND ANCHORED SECURELY.

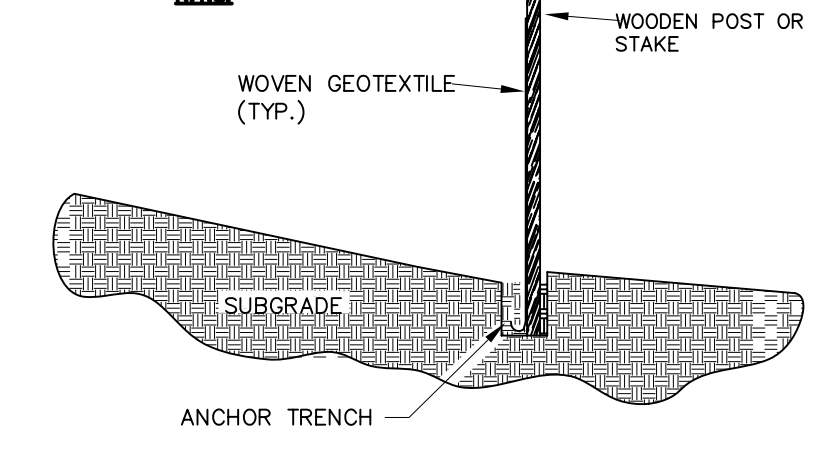
MAINTENANCE: EROSION BALES REQUIRE FREQUENT INSPECTION AS THEY DETERIORATE QUICKLY AND MAY NEED TO BE REPLACED. WHEN NO LONGER NEEDED, THE ACCUMULATED SEDIMENT SHALL BE SPREAD, SEED, AND MULCHED WITH THE EROSION BALES AS APPROVED BY THE ENGINEER.

HAY BALES ARE A TEMPORARY MEASURE ONLY. THEY SHALL BE INSTALLED, REPAIRED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

SILT FENCE NOTES:

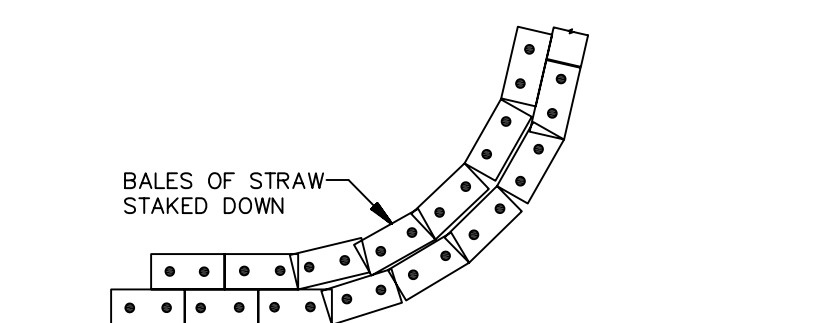
GEOTEXTILE FABRIC SHALL BE SPICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST, OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.

SILT FENCE DETAIL



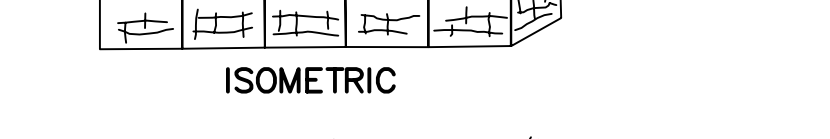
- NOTES:
1. GEOTEXTILE ANCHORED IN TRENCH A MINIMUM OF 15 CM (6 IN). TRENCH BACKFILLED WITH TAMPED NATURAL SOIL.
 2. DEPENDING UPON CONFIGURATION, ATTACH GEOTEXTILE TO STEEL POST WITH TIRES OR WOOD POSTS WITH STAPLES.

SILT FENCE CROSS SECTION



DOUBLE ROW OF BALES OF STRAW TO BE PLACED PRIOR TO THE START OF ROUGH GRADING. BALES ARE TO BE PLACED AS CLOSELY TOGETHER AS POSSIBLE IN ORDER TO PROVIDE MAXIMUM PROTECTION.

PLAIN VIEW



ISOMETRIC

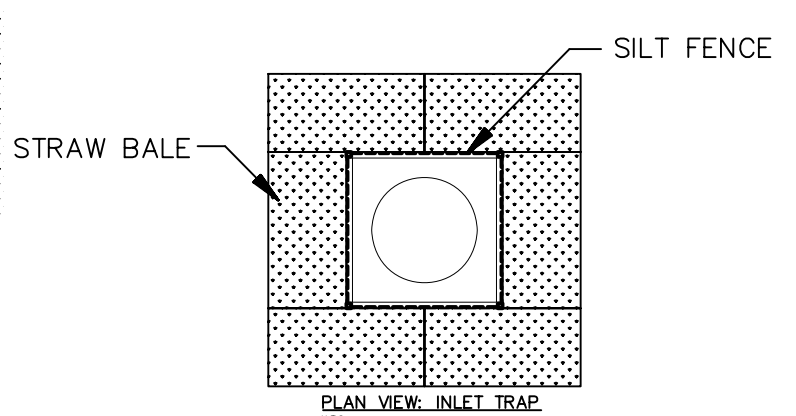


TEMPORARY SEDIMENT BARRIER

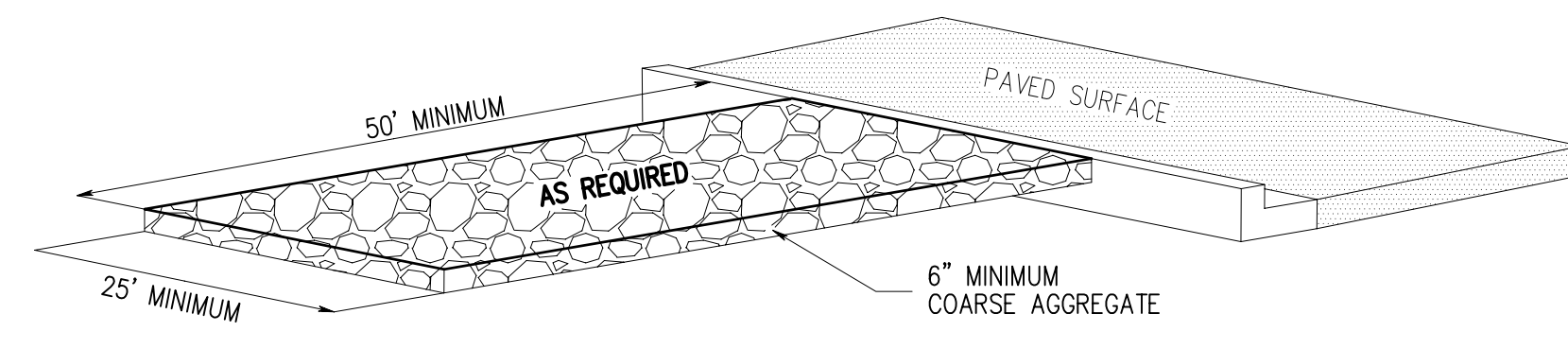
NOTES:

WIRE OR NYLON BOUND BALES ARE REQUIRED FOR DURABILITY. REQUIRED AT LOW AREAS OF SITE WHERE SURFACE DRAINAGE OCCURS DURING GRADING OPERATIONS & PRIOR TO LANDSCAPING COMPLETION.

STRAW BALE DETAILS

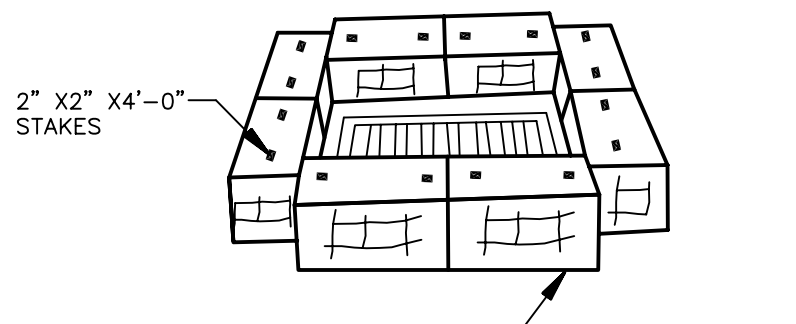


- NOTES:
1. INSTALL SILT FENCE AFTER CONSTRUCTION OF INLET ACCORDING TO TYPICAL SILT FENCE DETAIL.
 2. INSTALL STRAW BALES OUTSIDE OF SILT FENCE COORDING TO THE TYPICAL STRAW BALE DETAIL.



CONSTRUCTION ENTRANCE DETAIL

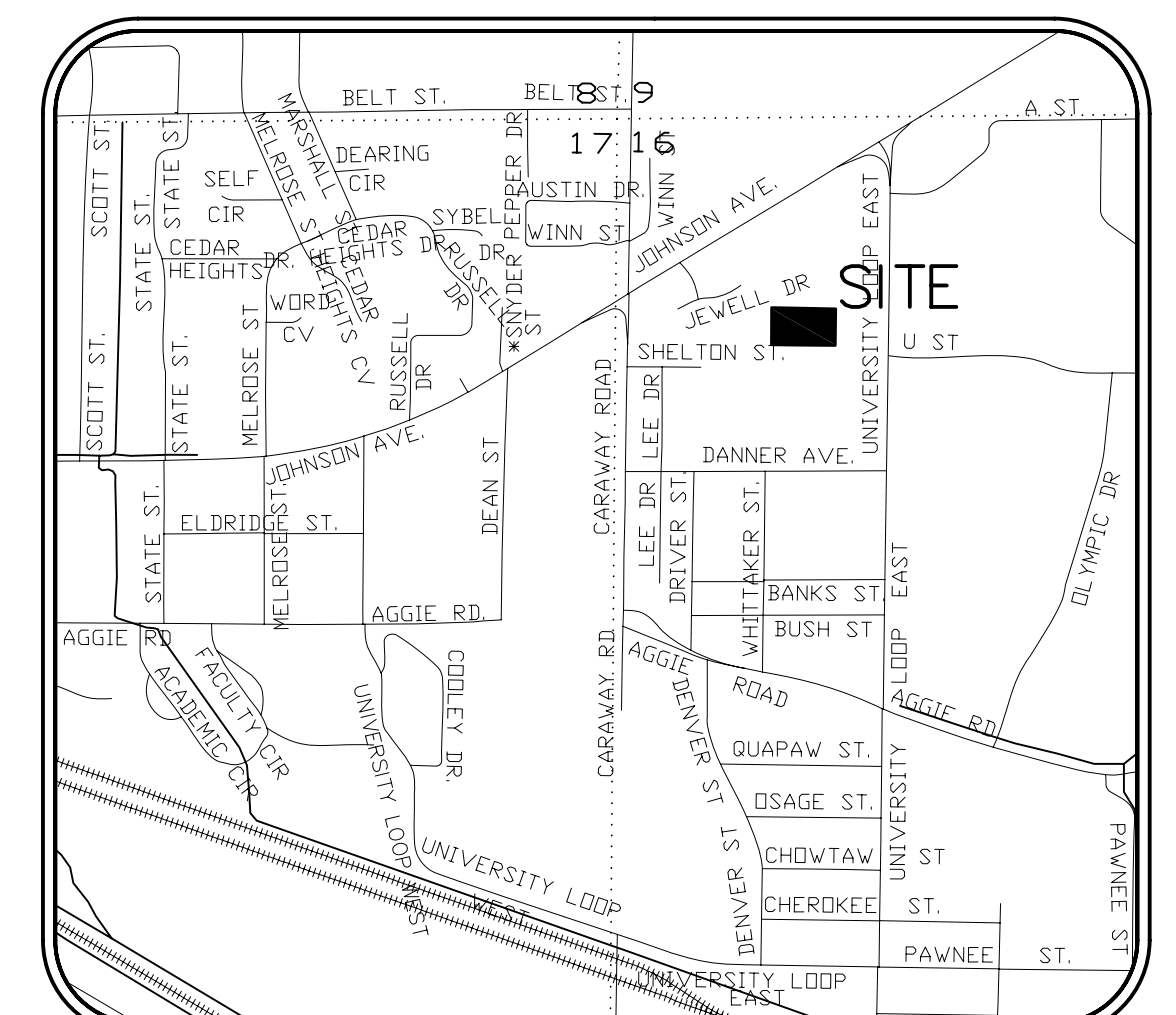
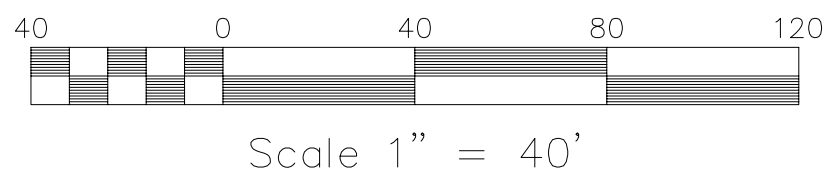
N.T.S.



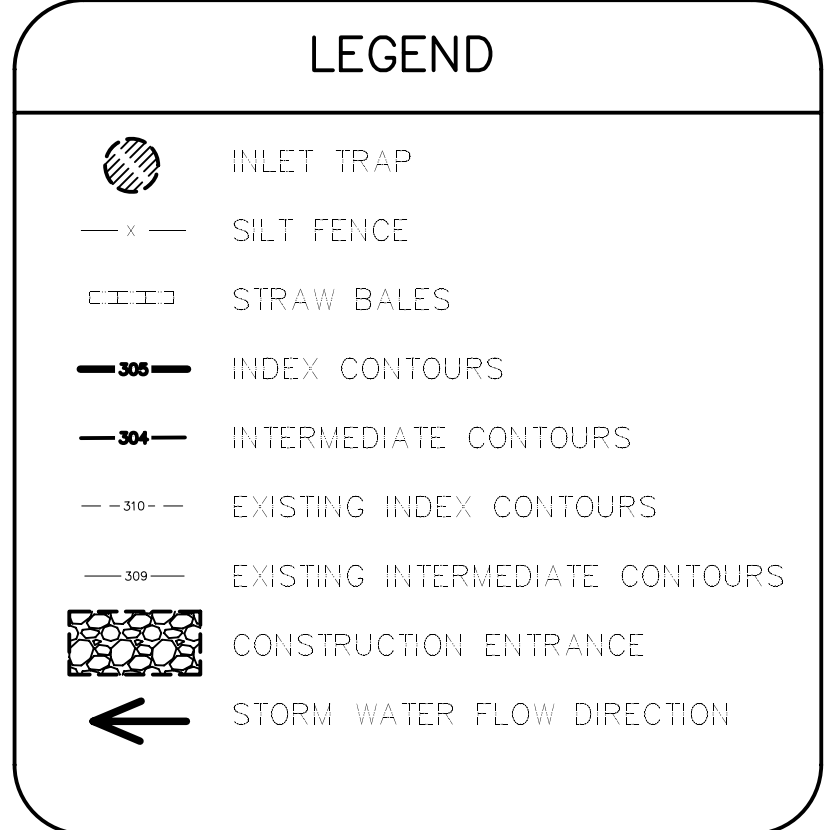
INSTALL AFTER INLETS ARE CONSTRUCTED BEFORE LANDSCAPING IS COMPLETED.

INLET TRAP

N.T.S.



VICINITY MAP (NOT TO SCALE)



Know what's below.
Call before you dig.

PROFESSIONAL CERTIFICATION:

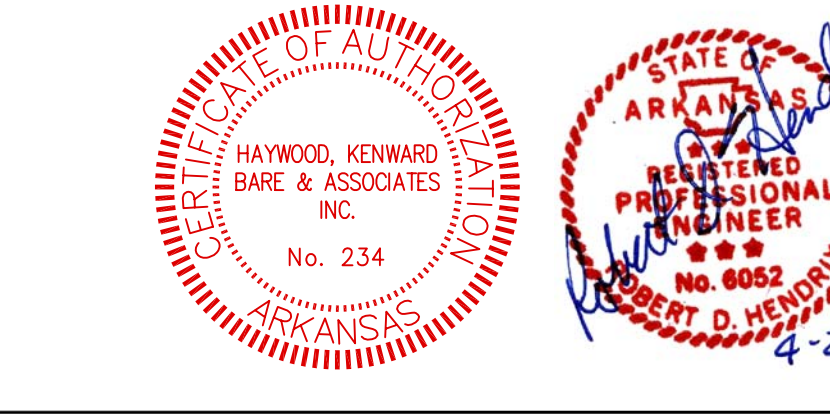
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGED THE SYSTEMS, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

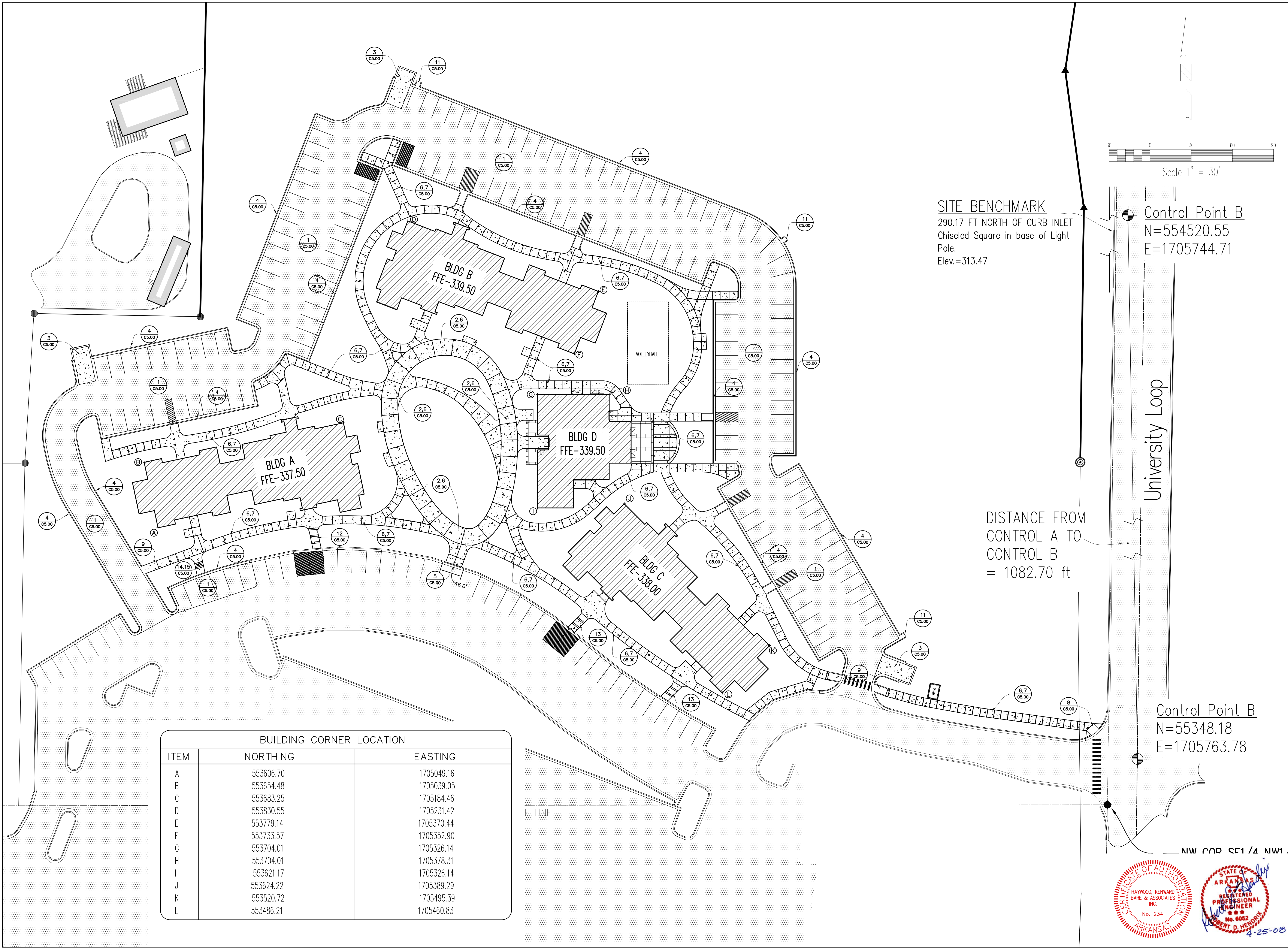
Robert D. Hendrix
ROBERT HENDRIX, P.E. 6052 PROJECT ENGINEER

OWNER/CONTRACTOR CERTIFICATION:

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

OWNER/CONTRACTOR _____ DATE _____





BUILDING CORNER LOCATION

ITEM	NORTHING	EASTING
A	553606.70	1705049.16
B	553654.48	1705039.05
C	553683.25	1705184.46
D	553830.55	1705231.42
E	553779.14	1705370.44
F	553733.57	1705352.90
G	553704.01	1705326.14
H	553704.01	1705378.31
I	553621.17	1705326.14
J	553624.22	1705389.29
K	553520.72	1705495.39
L	553486.21	1705460.83

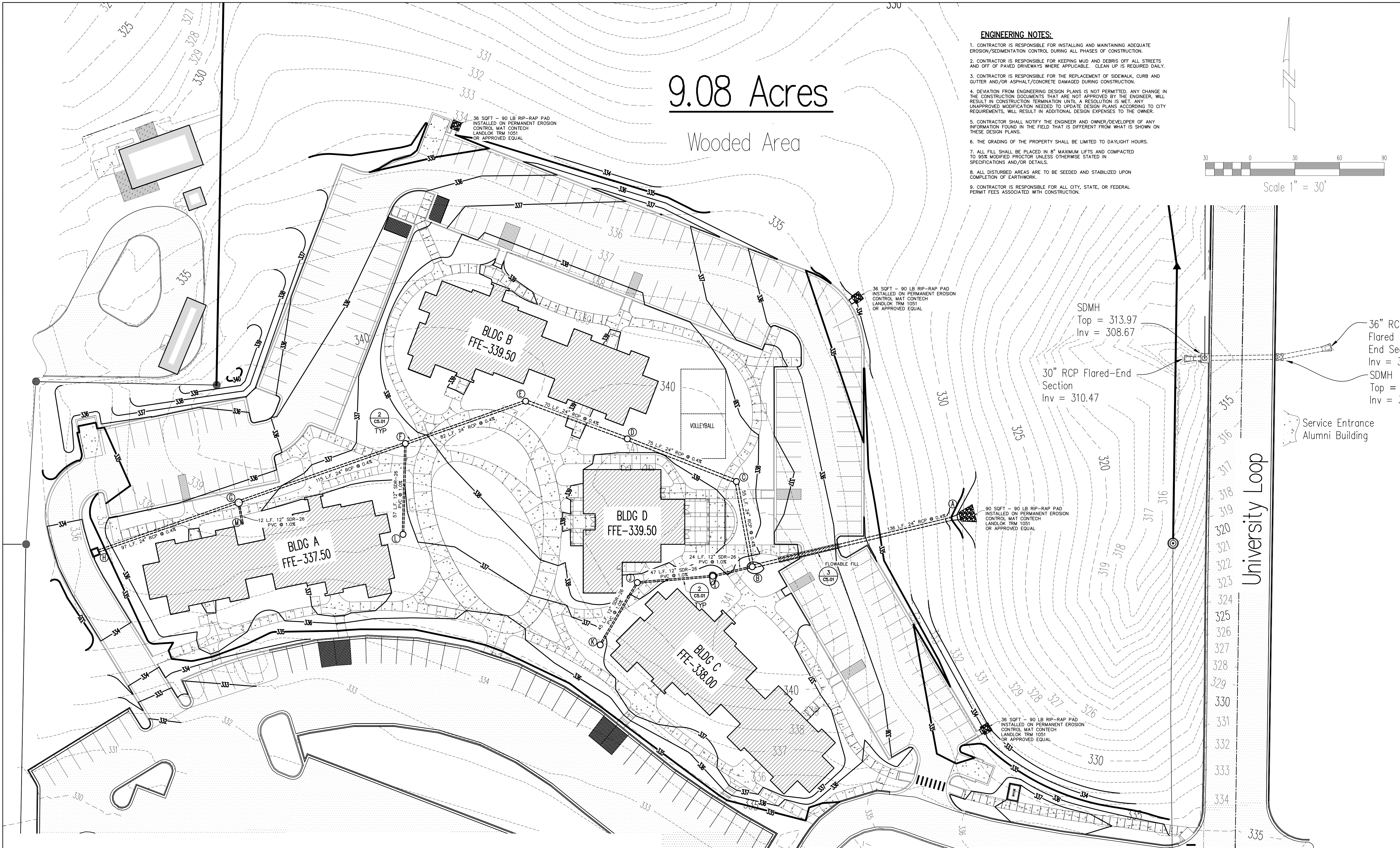
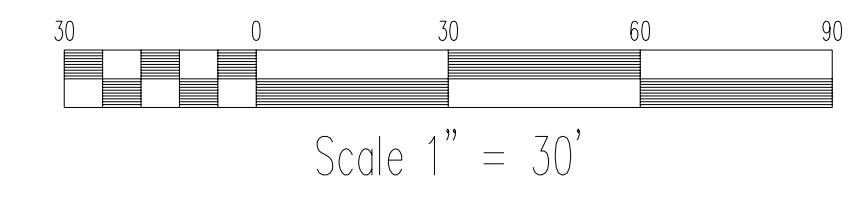


9.08 Acres

Wooded Area

ENGINEERING NOTES:

- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ADEQUATE EROSION/SEDIMENTATION CONTROL DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING MUD AND DEBRIS OFF ALL STREETS AND OFF OF PAVED DRIVEWAYS WHERE APPLICABLE. CLEAN UP IS REQUIRED DAILY.
- CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF SIDEWALK, CURB AND GUTTER AND/OR ASPHALT/CONCRETE DAMAGED DURING CONSTRUCTION.
- DEVIATION FROM ENGINEERING DESIGN PLANS IS NOT PERMITTED. ANY CHANGE IN THE CONSTRUCTION DOCUMENTS THAT ARE NOT APPROVED BY THE ENGINEER, WILL RESULT IN CONSTRUCTION TERMINATION UNTIL A RESOLUTION IS MET. ANY UNAPPROVED MODIFICATION NEEDED TO UPDATE DESIGN PLANS ACCORDING TO CITY REQUIREMENTS, WILL RESULT IN ADDITIONAL DESIGN EXPENSES TO THE OWNER.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER/DEVELOPER OF ANY INFORMATION FOUND IN THE FIELD THAT IS DIFFERENT FROM WHAT IS SHOWN ON THESE DESIGN PLANS.
- THE GRADING OF THE PROPERTY SHALL BE LIMITED TO DAYLIGHT HOURS.
- ALL FILL SHALL BE PLACED IN 8" MAXIMUM LIFTS AND COMPACTED TO 95% MODIFIED PROCTOR UNLESS OTHERWISE STATED IN SPECIFICATIONS AND/OR DETAILS.
- ALL DISTURBED AREAS ARE TO BE SEEDED AND STABILIZED UPON COMPLETION OF EARTHWORK.
- CONTRACTOR IS RESPONSIBLE FOR ALL CITY, STATE, OR FEDERAL PERMIT FEES ASSOCIATED WITH CONSTRUCTION.



DRAINAGE STRUCTURE SCHEDULE				
ITEM	DESCRIPTION	INVERT	TOP	DETAIL #
A	24" CONCRETE FLARED END SECTION	328.41	NA	8/CS.01
B	STORM DRAIN MANHOLE W/ GRATE	328.98	336.81	4/CS.01
C	STORM DRAIN MANHOLE W/ GRATE	329.20	338.50	4/CS.01
D	STORM DRAIN MANHOLE W/ GRATE	329.50	338.18	4/CS.01
E	STORM DRAIN MANHOLE W/ GRATE	329.78	338.20	4/CS.01
F	STORM DRAIN MANHOLE W/ GRATE	330.11	337.30	4/CS.01
G	STORM DRAIN MANHOLE W/ GRATE	330.57	336.80	4/CS.01
H	STORM DRAIN MANHOLE W/ GRATE	330.96	333.96	4/CS.01
I	NYLOPLAST INLINE DRAIN W/ GRATE	332.17	336.90	7810/CS.01
J	NYLOPLAST DRAIN BASIN W/ GRATE	332.64	338.50	9810/CS.01
K	NYLOPLAST INLINE DRAIN W/ GRATE	333.09	336.59	7810/CS.01
L	NYLOPLAST INLINE DRAIN W/ GRATE	332.50	336.00	7810/CS.01
M	NYLOPLAST INLINE DRAIN W/ GRATE	332.32	336.32	7810/CS.01

DRAINAGE PIPE SCHEDULE				
PIPE SECTION	DIAMETER	MATERIAL	LENGTH	SLOPE
A-B	24"	RCP	136'	0.40%
B-C	24"	RCP	55'	0.40%
C-D	24"	RCP	75'	0.40%
D-E	24"	RCP	70'	0.40%
E-F	24"	RCP	82'	0.40%
F-G	18"	RCP	115'	0.40%
G-H	18"	RCP	97'	0.40%
H-I	12"	SDR 26 PVC	24'	1.0%
I-J	12"	SDR 26 PVC	47'	1.0%
J-K	12"	SDR 26 PVC	45'	1.0%
F-L	12"	SDR 26 PVC	57'	1.0%
G-M	12"	SDR 26 PVC	12'	1.0%

LEGEND	
TW	TOP OF WALK
TC	TOP OF CURB
TP	TOP OF PAVEMENT
X	ELEVATION LOCATION
X 300.00	PROPOSED SPOT ELEV.
FFE	FINISHED FLOOR ELEVATION
— 305 —	PROPOSED INDEX CONTOUR
— 304 —	PROPOSED INTERMEDIATE CONTOUR
— 310 —	EXISTING INDEX CONTOUR
— 309 —	EXISTING INTERMEDIATE CONTOUR



TREANOR ARCHITECTS P.A.
1417 Walnut Street
Kansas City, Missouri 64108-1314
Office: 816.231.0900
Fax: 816.231.4992
www.treanorarch.com

WD&D ARCHITECTS
Wittenberg, Delony & Davidson Architects, Inc.
400 W. Capitol Avenue, Suite 1800
Little Rock, AR 72201

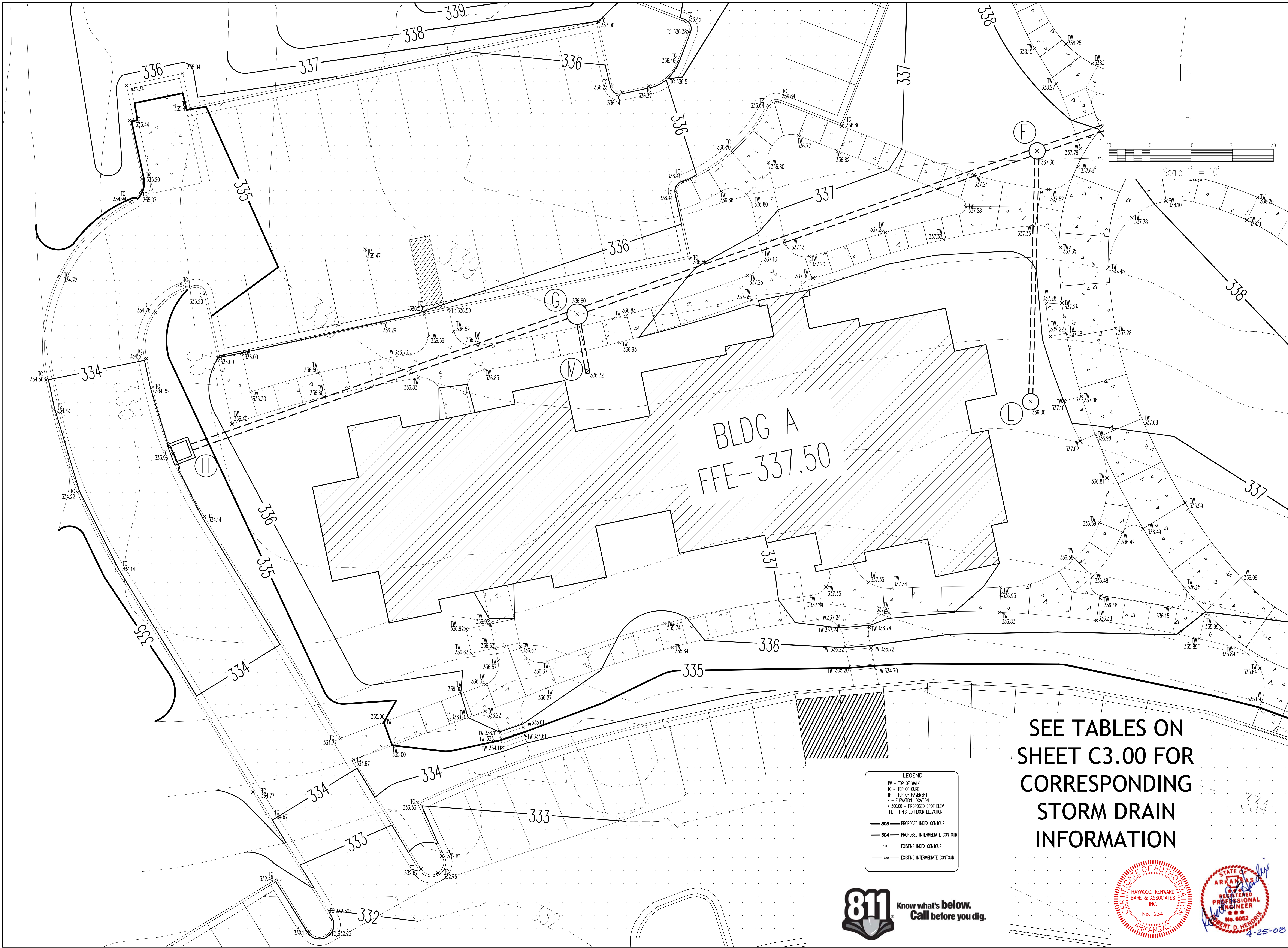
HKB
HAYWOOD, KENWARD, BARE AND ASSOCIATES, INC.
CIVIL ENGINEERS, SURVEYORS, PLANNERS
11801 LANTANA STREET
JONESBORO, AR 72404
937.833.2514
FAX 1-870-935-1076

PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

CONTENTS
Overall
Site Grading Plan

SHEET	DATE	REVISIONS	JOB #
C3.00	4-28-08		07-047

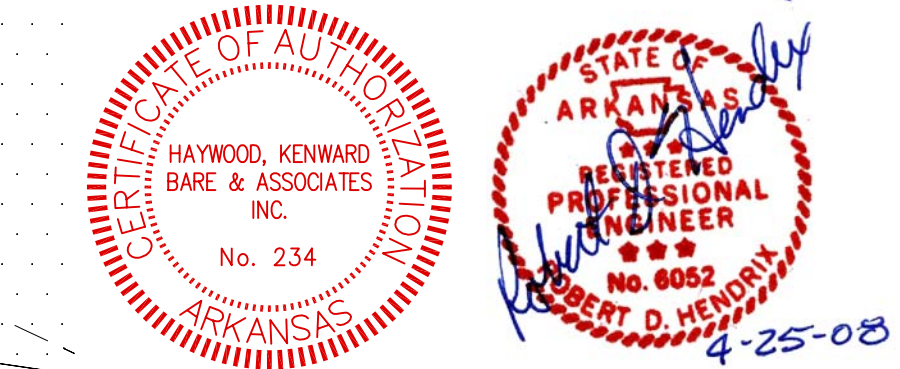
WITTENBERG, DELONY & DAVIDSON, INC.



LEGEND

- TW - TOP OF WALK
- TC - TOP OF CURB
- TP - TOP OF PAVEMENT
- X - ELEVATION LOCATION
- X 300.00 - PROPOSED SPOT ELEV.
- FFE - FINISHED FLOOR ELEVATION
- 305 — PROPOSED INDEX CONTOUR
- 304 — PROPOSED INTERMEDIATE CONTOUR
- - - 310 - - - EXISTING INDEX CONTOUR
- - - 309 - - - EXISTING INTERMEDIATE CONTOUR

SEE TABLES ON SHEET C3.00 FOR CORRESPONDING STORM DRAIN INFORMATION



TREANOR ARCHITECTS P.A.
 1417 Walnut Street
 Kansas City, Missouri 64108-1314
 Office: #1-6231-0900
 Fax: #1-6231-0992
 www.treanorarch.com

WD&D ARCHITECTS
 Wittenberg, Delony & Davidson Architects, Inc.
 400 W. Capital Avenue, Suite 1800
 Little Rock, AR 72201

HKB HAYWOOD, KENWARD, BARE AND ASSOCIATES, INC.
 CIVIL ENGINEERS SURVEYORS PLANNERS
 11811 FOURTH STREET
 JONESBORO, AR 72404
 PHONE: #870-935-8314
 FAX: #870-935-1076

PROJECT TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

CONTENTS
Site Grading Plan
for Building A

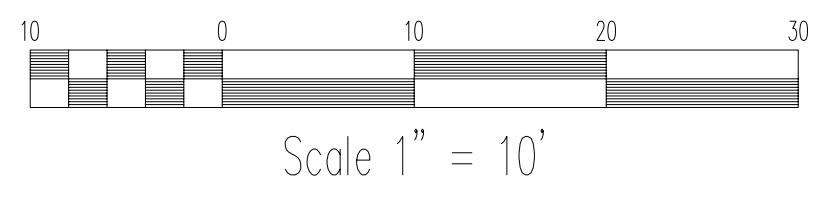
SHEET	DATE	REVISIONS	JOB #
C3.01	4-28-08		07-047



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- TW - TOP OF WALK
- TC - TOP OF CURB
- TP - TOP OF PAVEMENT
- X - ELEVATION LOCATION
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- FFE - FINISHED FLOOR ELEVATION
- 305 — PROPOSED INDEX CONTOUR
- 304 — PROPOSED INTERMEDIATE CONTOUR
- 310 — EXISTING INDEX CONTOUR
- 309 — EXISTING INTERMEDIATE CONTOUR

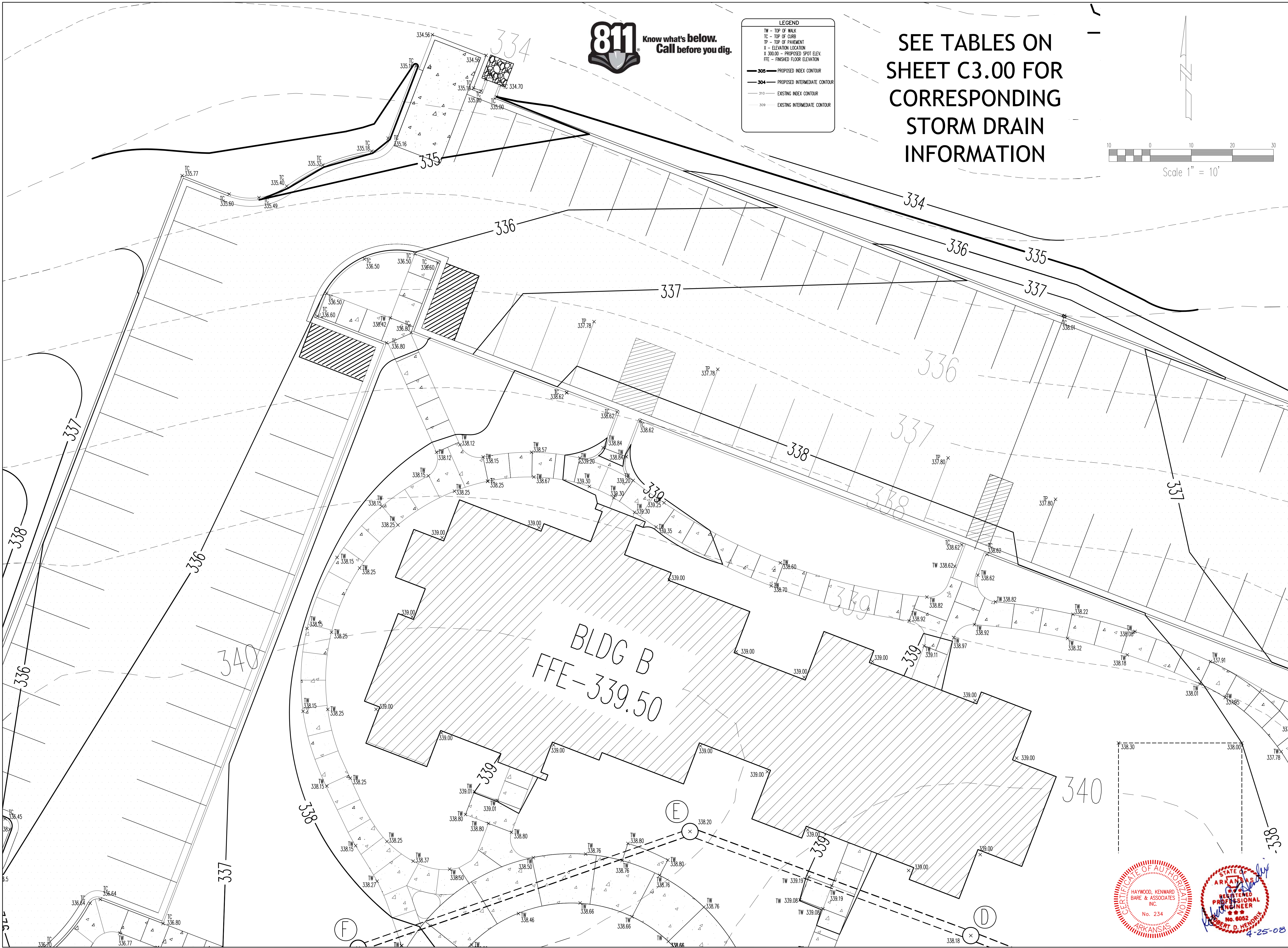
SEE TABLES ON SHEET C3.00 FOR CORRESPONDING STORM DRAIN INFORMATION



TREANOR ARCHITECTS P.A.
 1417 Main Street
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 Fax: 816.231.0992
 www.treanorarch.com

WD&D ARCHITECTS
 Wittenberg, Delony & Davidson Architects, Inc.
 400 W. Capital Avenue, Suite 1800
 Little Rock, AR 72201

HKB
 HAYWOOD, KENWARD, BARE AND ASSOCIATES, INC.
 CIVIL ENGINEERS - SURVEYORS - PLANNERS
 1801 LAUREL STREET DRIVE
 JONESBORO, AR 72404
 TEL: 870.932.8214
 FAX: 1.870.932.1076



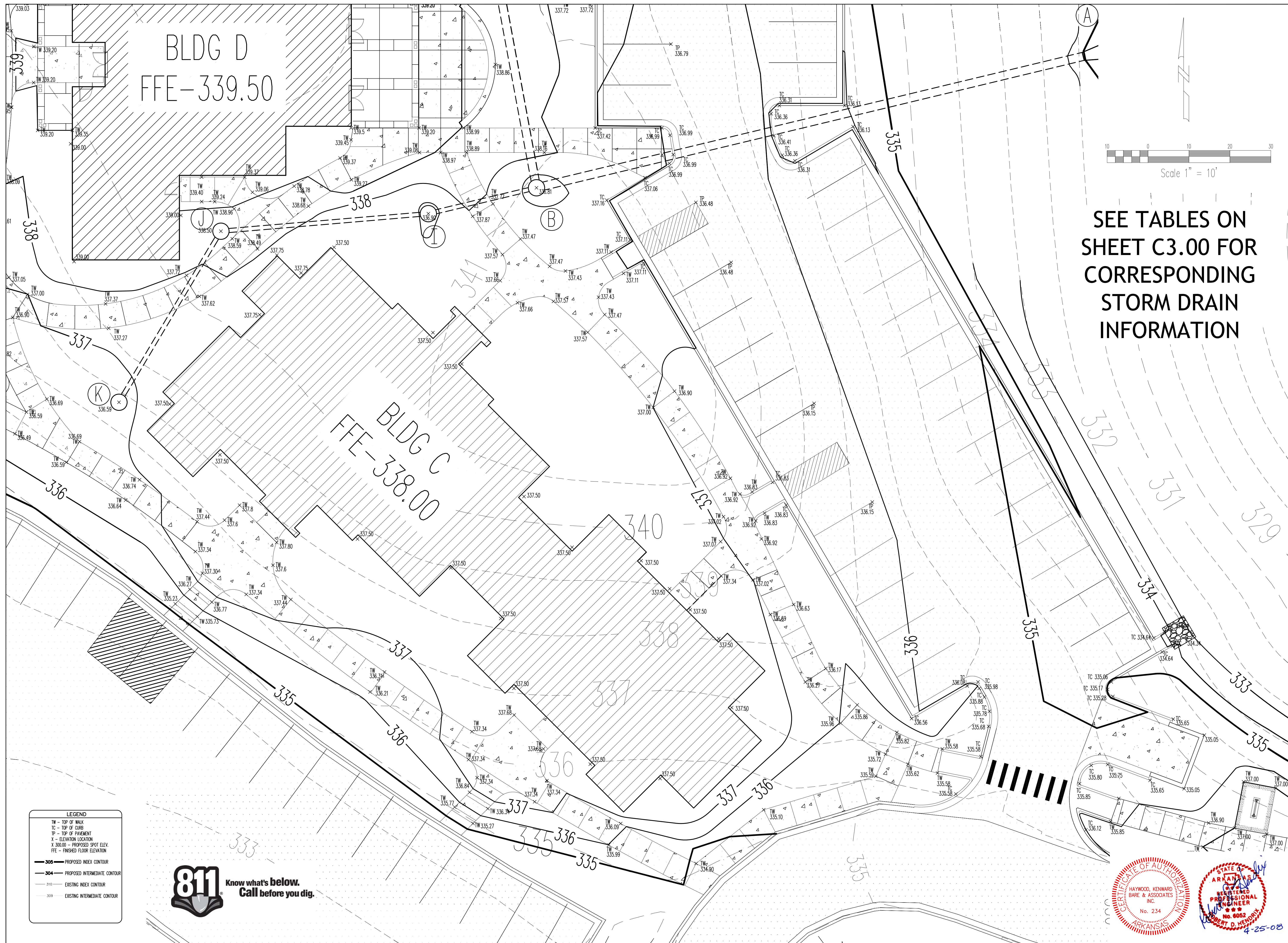
PROJECT TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

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 for Building B

WITTENBERG, DELONY & DAVIDSON, INC.



SHEET	DATE	REVISIONS	JOB #
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LEGEND

- TW - TOP OF WALK
- TC - TOP OF CURB
- TP - TOP OF PAVEMENT
- X - ELEVATION LOCATION
- 300.00 - PROPOSED SPOT ELEV.
- FFE - FINISHED FLOOR ELEVATION

- 305 - PROPOSED INDEX CONTOUR
- 304 - PROPOSED INTERMEDIATE CONTOUR
- 310 - EXISTING INDEX CONTOUR
- 309 - EXISTING INTERMEDIATE CONTOUR



SEE TABLES ON SHEET C3.00 FOR CORRESPONDING STORM DRAIN INFORMATION

TREANOR ARCHITECTS P.A.
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HKB HAYWOOD, KENWARD, BARE AND ASSOCIATES, INC.
 CIVIL ENGINEERS-SURVEYORS-PLANNERS
 11801 FOURTH STREET
 JONESBORO, AR 72404
 PHONE: 870.935.2344
 FAX: 1.870.935.1076

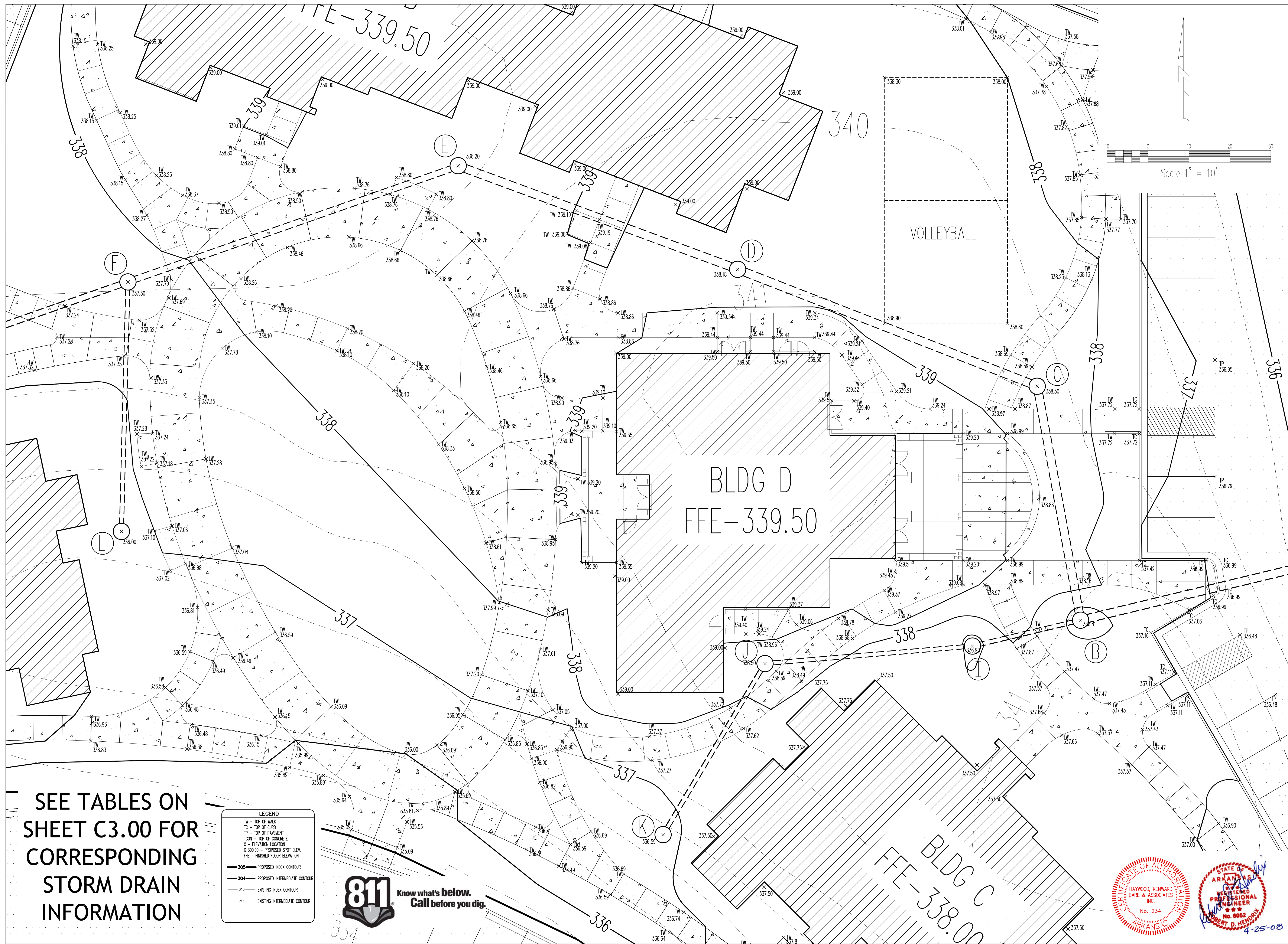
PROJECT TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

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Site Grading Plan
 for Building C

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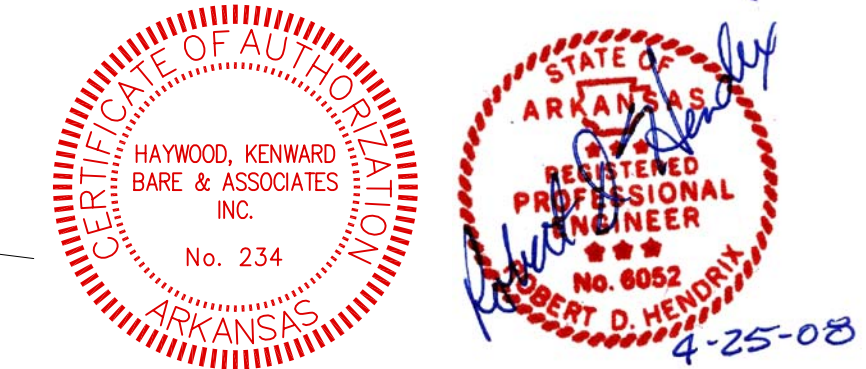
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 234
 ROBERT D. HENRY
 4-25-08

WITTENBERG, DELONY & DAVIDSON, INC.



SEE TABLES ON SHEET C3.00 FOR CORRESPONDING STORM DRAIN INFORMATION

LEGEND	
TW	TOP OF WALK
TC	TOP OF CURB
TP	TOP OF PAVEMENT
TCOM	TOP OF CONCRETE
X	ELEVATION LOCATION
X 300.00	PROPOSED SPOT ELEV.
FFE	FINISHED FLOOR ELEVATION
--- 305	PROPOSED INDEX CONTOUR
--- 304	PROPOSED INTERMEDIATE CONTOUR
---	EXISTING INDEX CONTOUR
---	EXISTING INTERMEDIATE CONTOUR



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 1417 Walnut Street
 Kansas City, Missouri 64108-1314
 Office: 816.231.0900
 Fax: 816.231.4992
 www.treanorarch.com

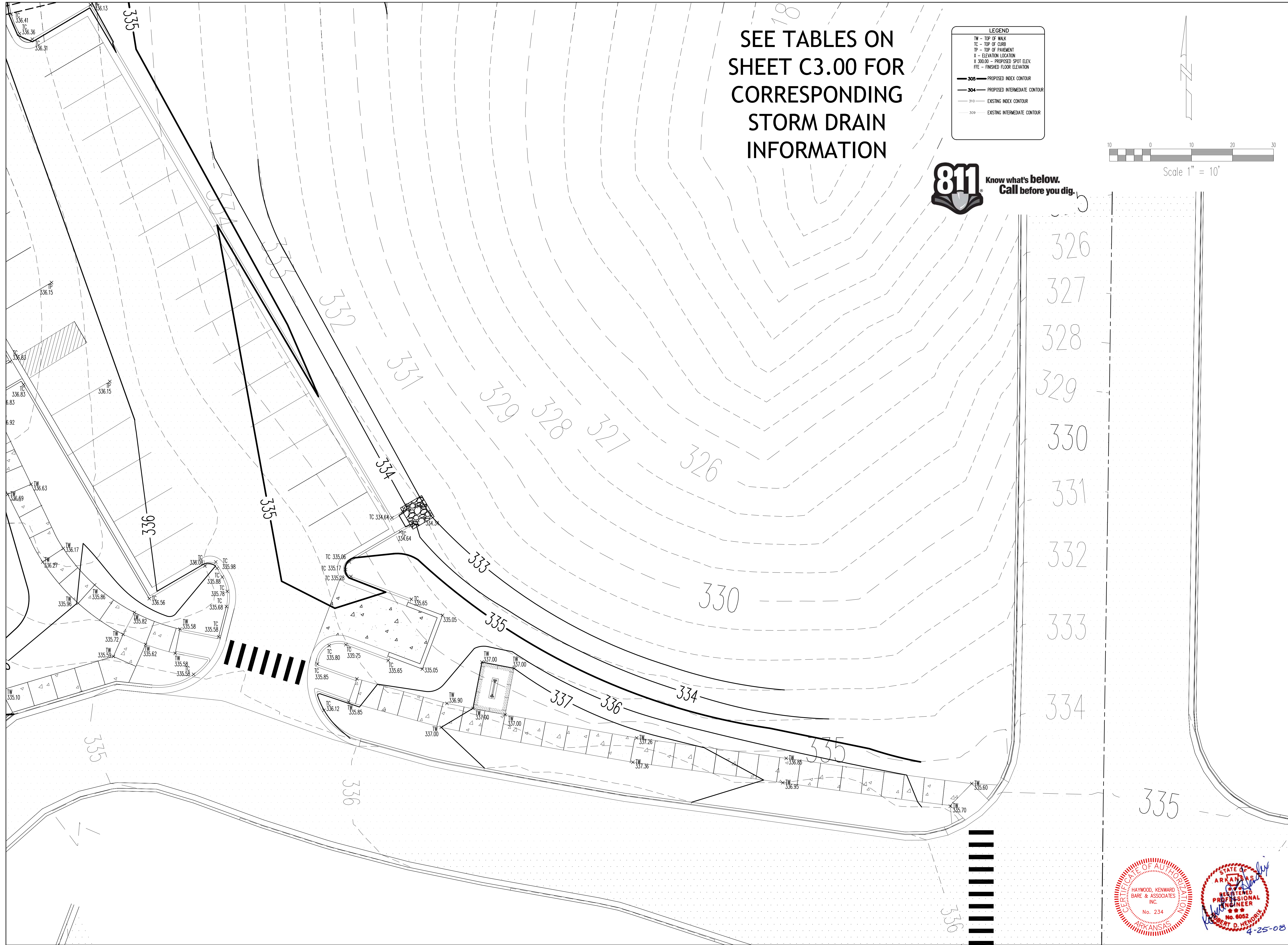
WD&D ARCHITECTS
 Wittenberg, Delony & Davidson Architects, Inc.
 400 W. Capitol Avenue, Suite 1800
 Little Rock, AR 72201

HKB
 HAYWOOD, KENWARD, BARE AND ASSOCIATES, INC.
 CIVIL ENGINEERS/SURVEYORS/PLANNERS
 11811 LAKE ARCADIA DRIVE
 JONESBORO, AR 72404
 Phone: 870.932.8214
 Fax: 1.870.932.1076

PROJECT TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

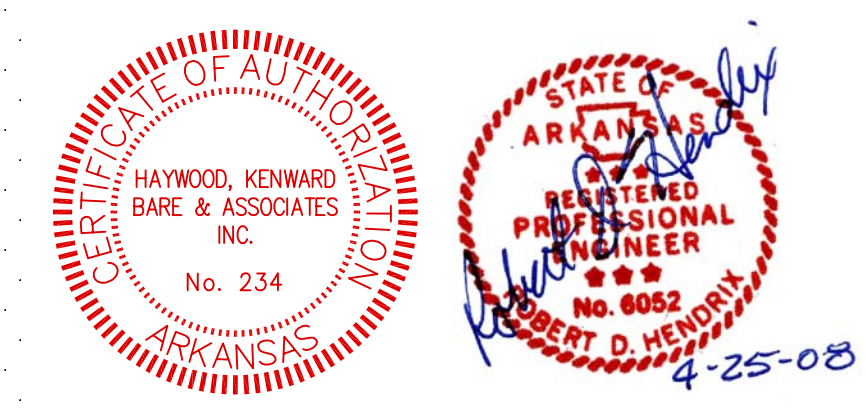
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Site Grading Plan
 for Building D

SHEET	DATE	REVISIONS
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SEE TABLES ON SHEET C3.00 FOR CORRESPONDING STORM DRAIN INFORMATION

SHEET	DATE	REVISIONS
C3.05	4-28-08	JOB # 07-047



UTILITY NOTES:

SANITARY SEWER

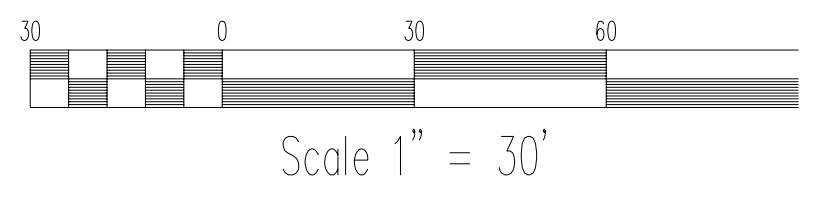
1. ALL SANITARY SEWER MANHOLES AND 8" MAINS WILL BE PROVIDED BY OTHERS

ELECTRICAL CONTRACTOR TO PROVIDE:

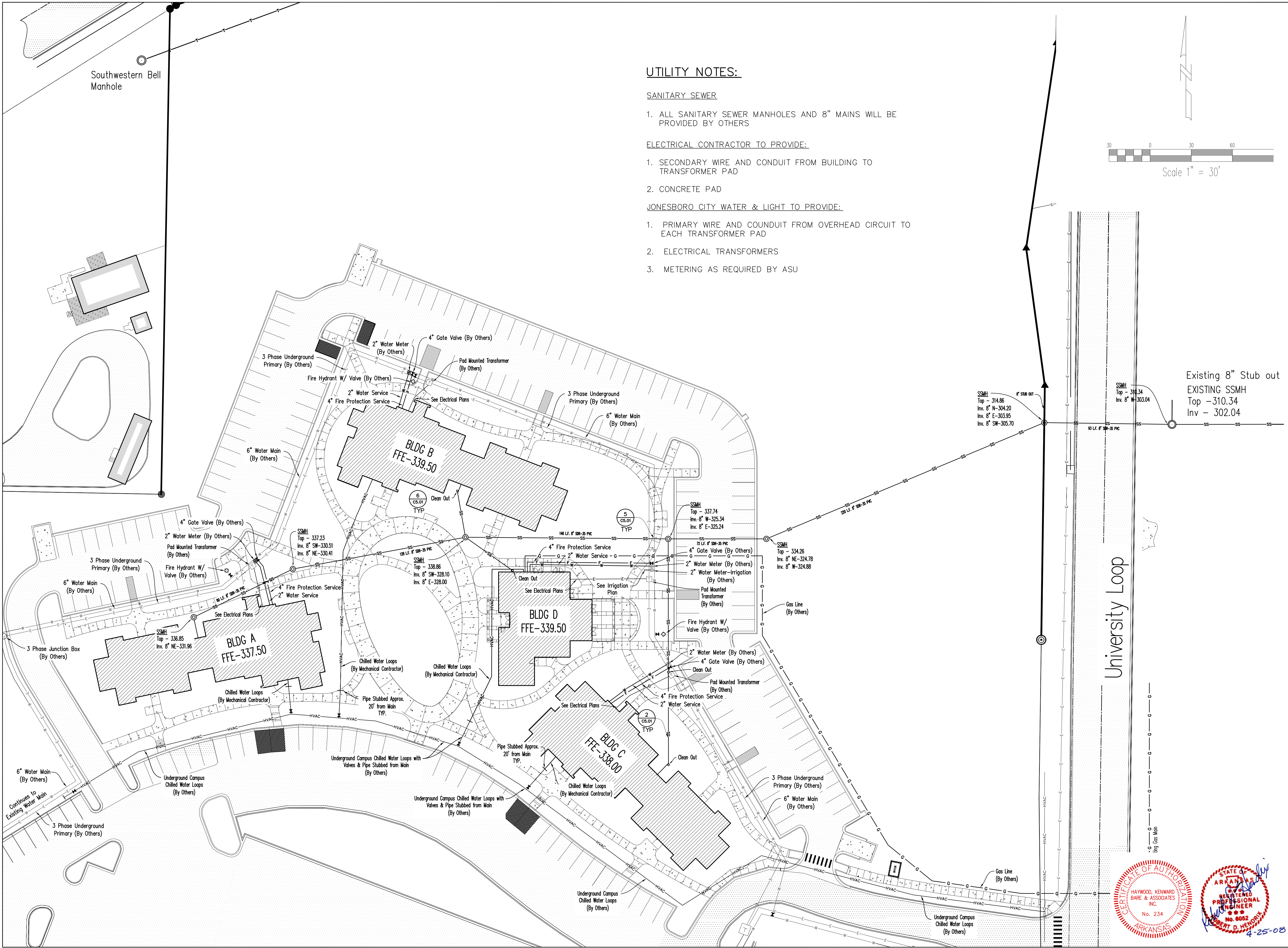
1. SECONDARY WIRE AND CONDUIT FROM BUILDING TO TRANSFORMER PAD
2. CONCRETE PAD

JONESBORO CITY WATER & LIGHT TO PROVIDE:

1. PRIMARY WIRE AND CONDUIT FROM OVERHEAD CIRCUIT TO EACH TRANSFORMER PAD
2. ELECTRICAL TRANSFORMERS
3. METERING AS REQUIRED BY ASU



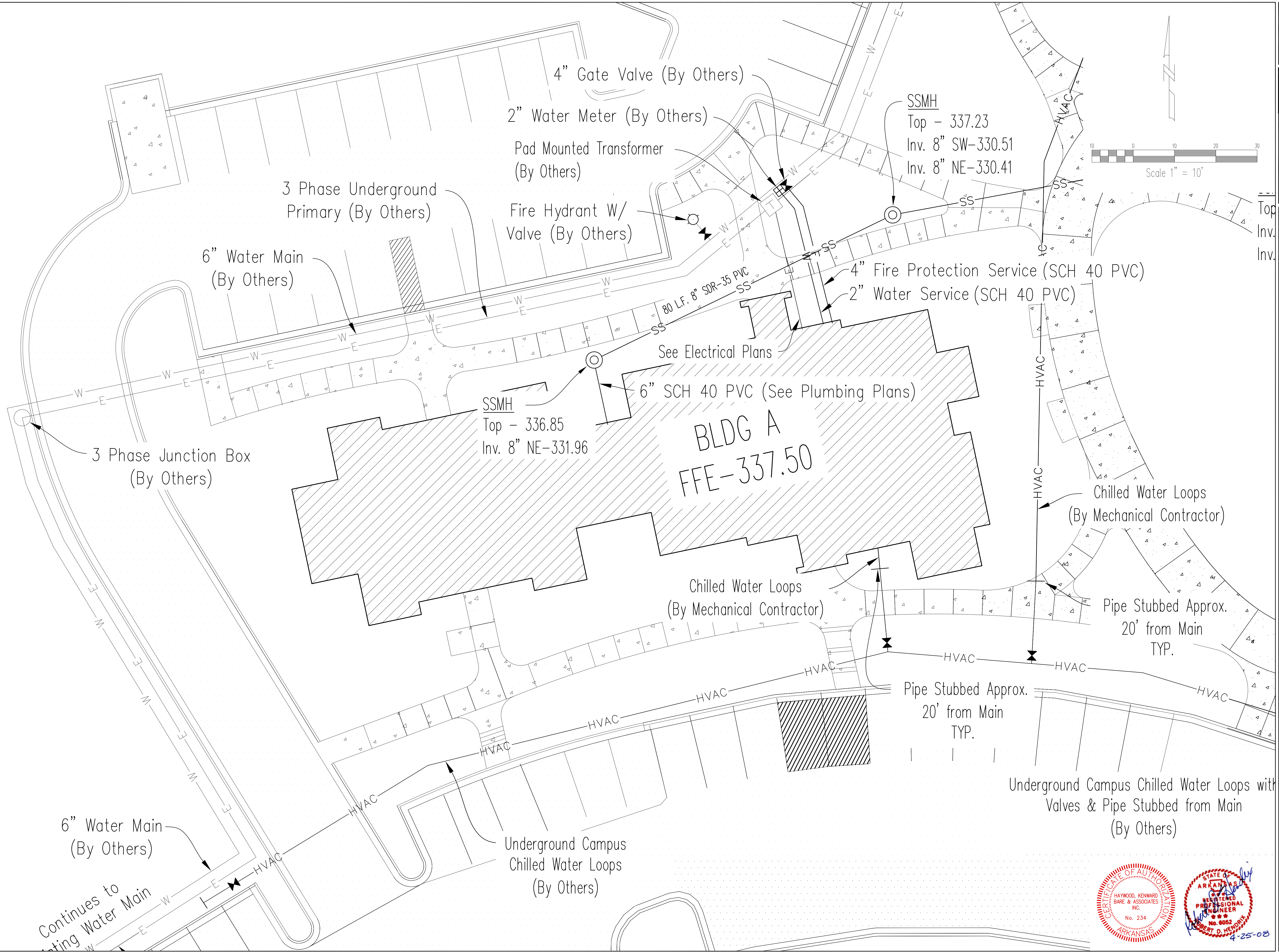
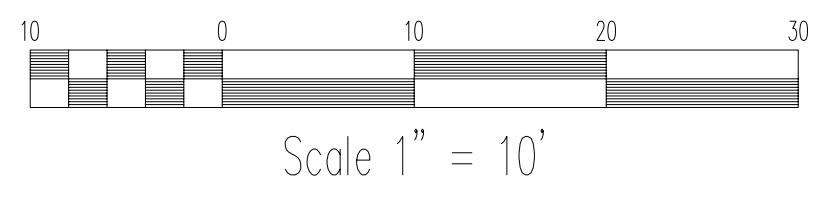
Existing 8" Stub out
EXISTING SSMH
Top - 310.34
Inv. 8" W - 303.04
Inv. 8" E - 302.04



University Loop



4-25-08



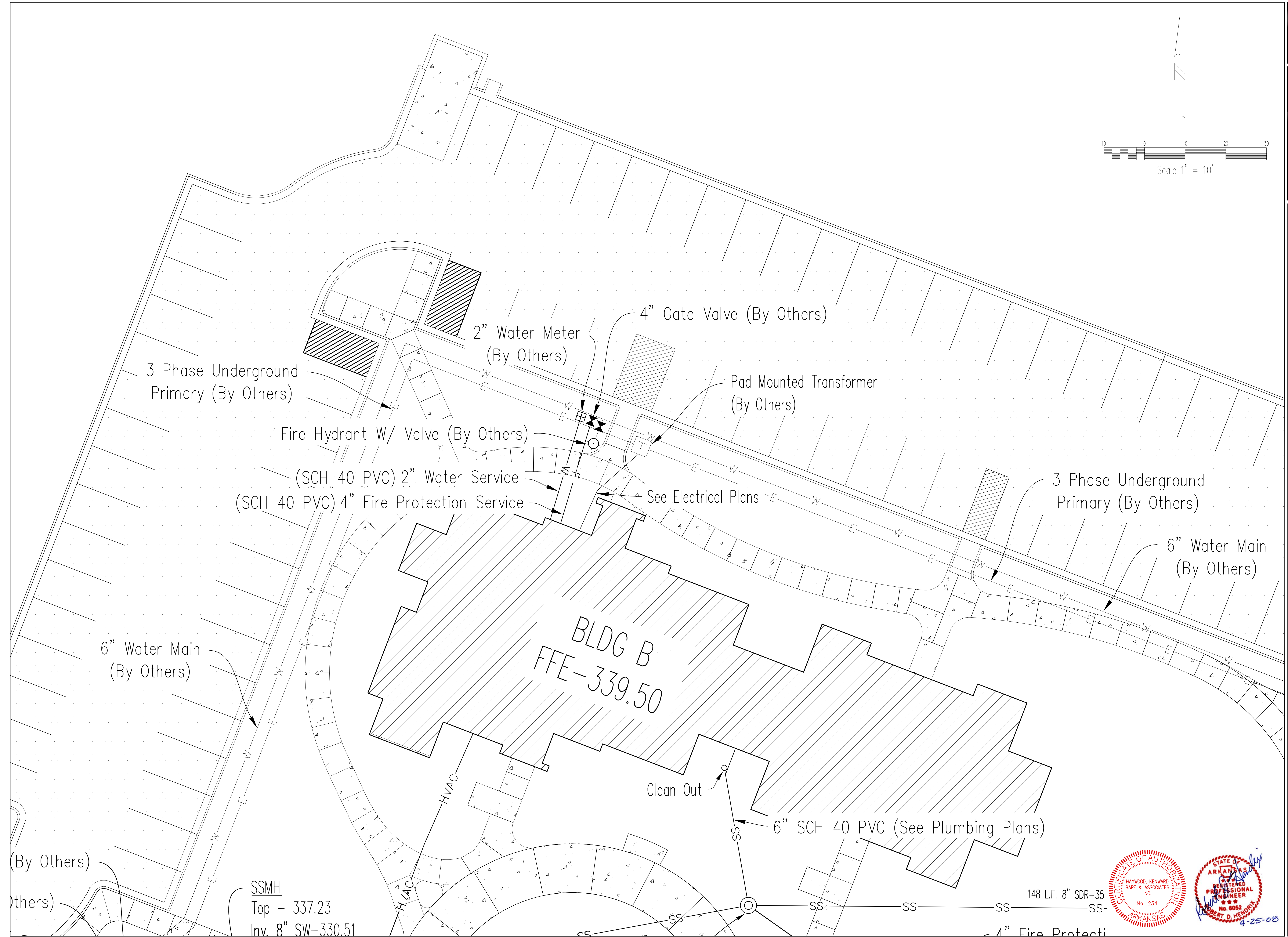
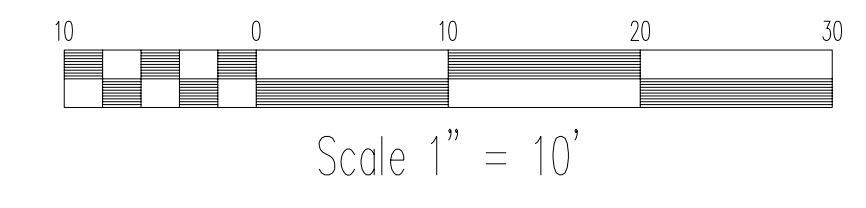
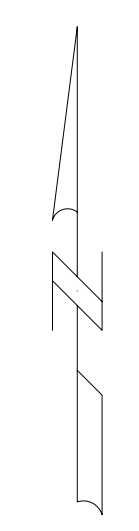
PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

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for Building A

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WITTENBERG, DELONY & DAVIDSON, INC.



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Student Apartments
Arkansas State University
Jonesboro, Arkansas

CONTENTS
Site Utility Plan
for Building B

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	4-28-08	

JOB #	07-047
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SHEET
C4.02

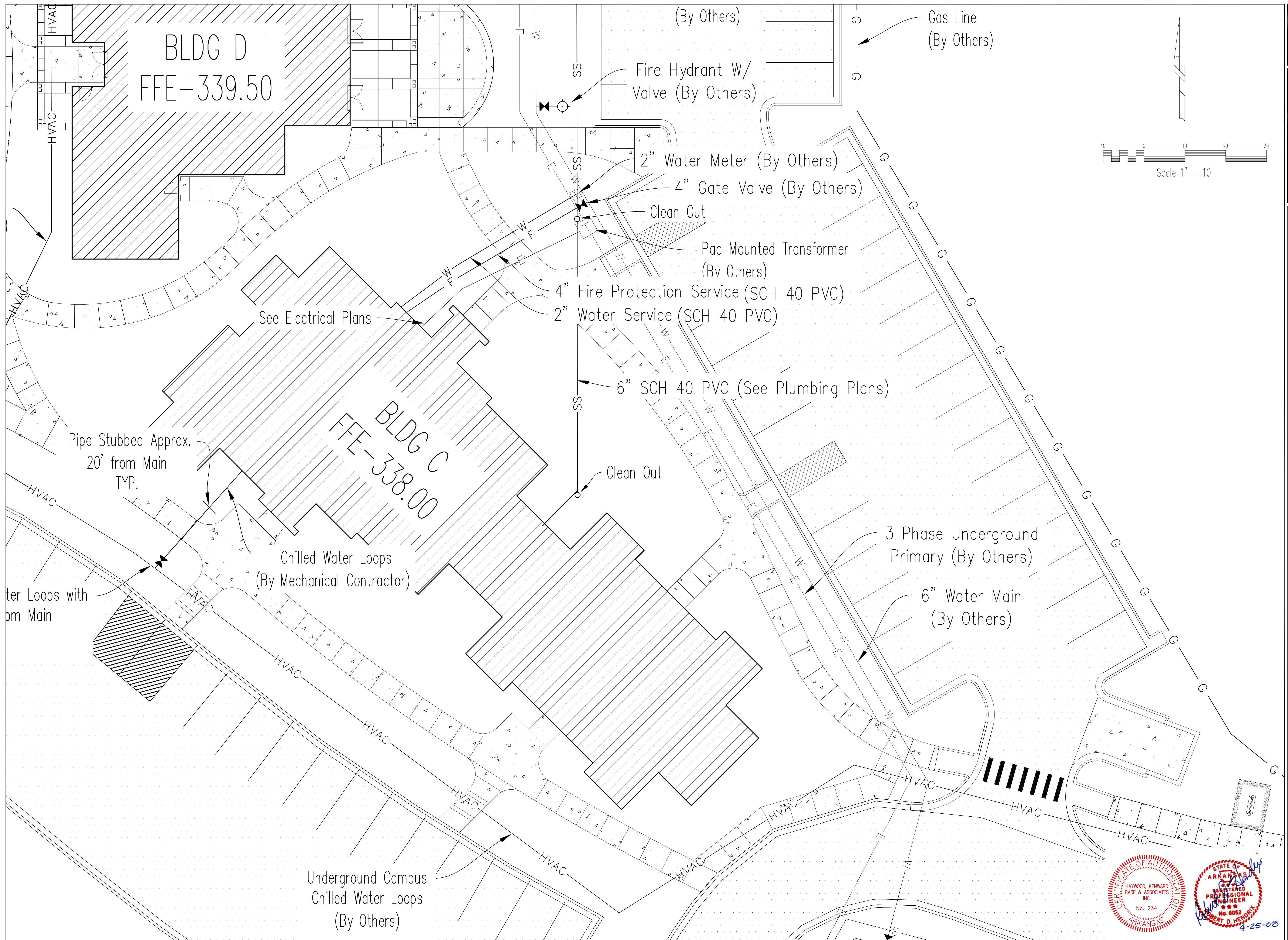
WITTENBERG, DELONY & DAVIDSON, INC.



148 L.F. 8" SDR-35

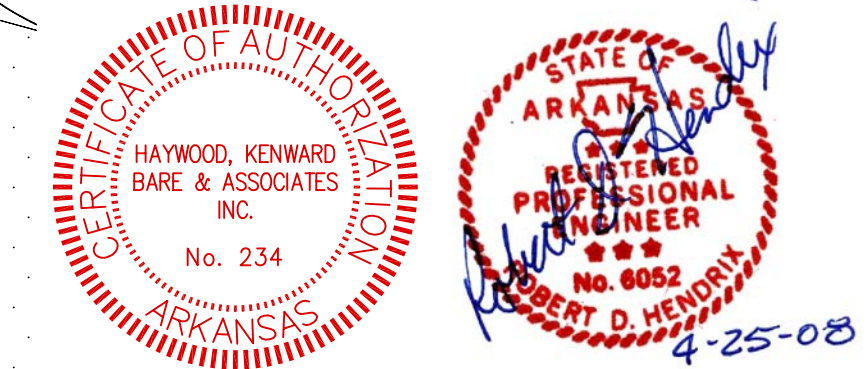
4" Fire Protecti

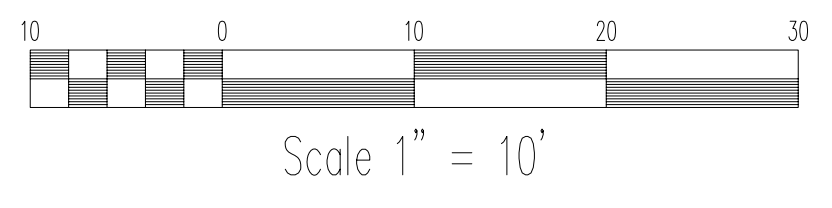
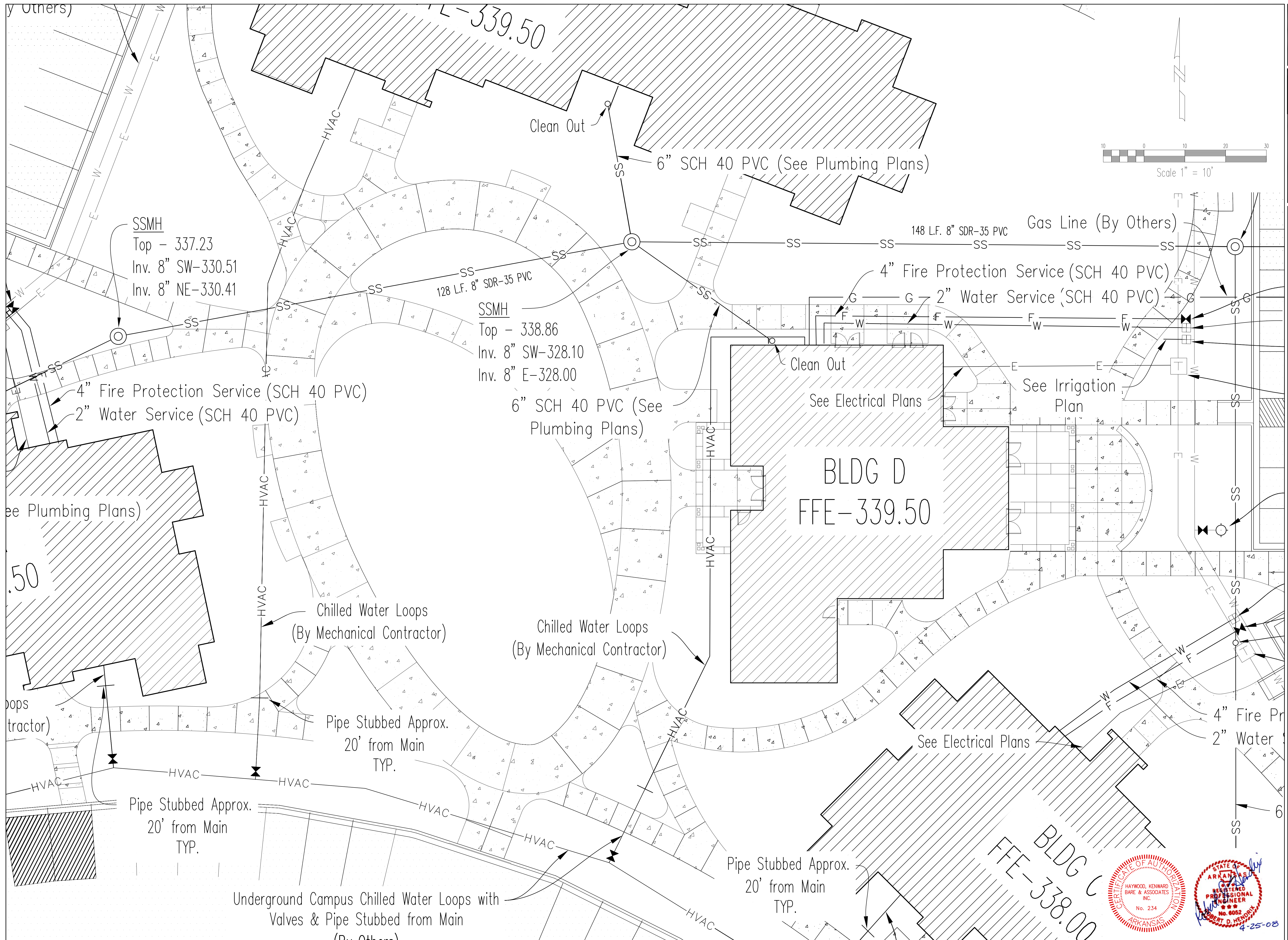
SSMH
Top - 337.23
Inv. 8" SW-330.51



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WITTENBERG, DELONY & DAVIDSON, INC.





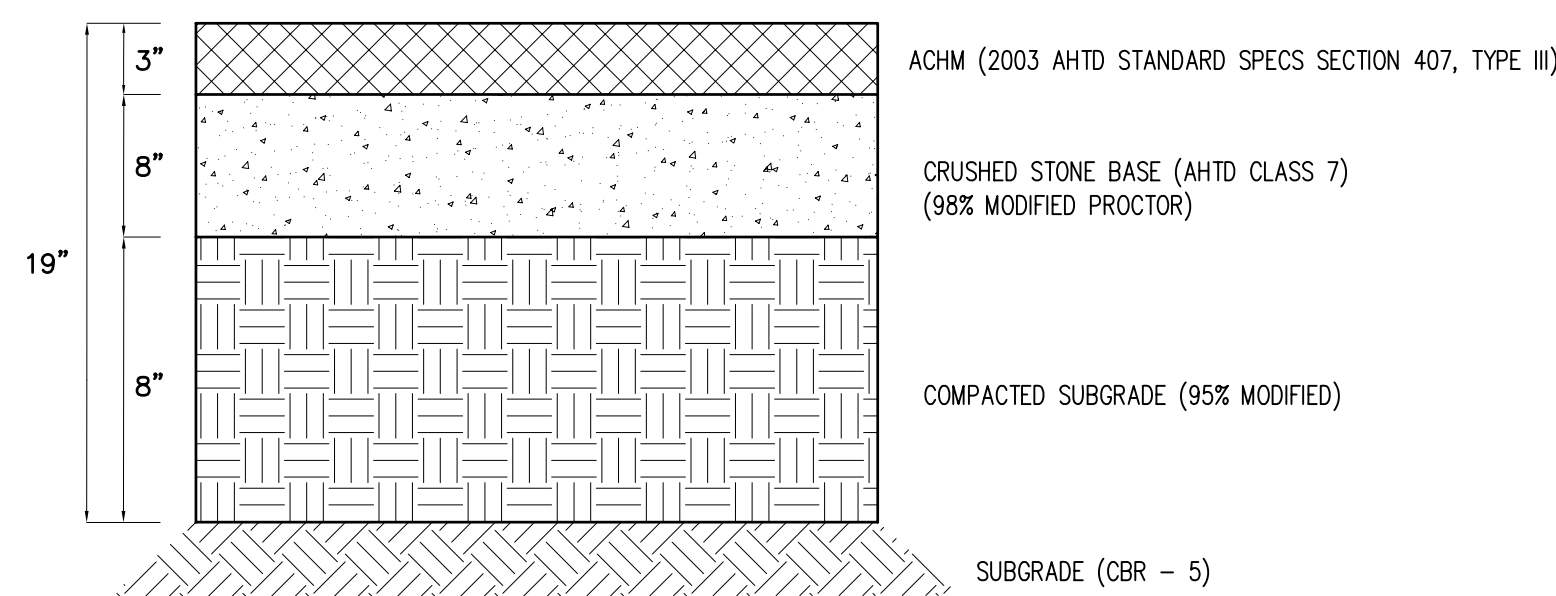
PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

CONTENTS
Site Utility Plan
for Building D

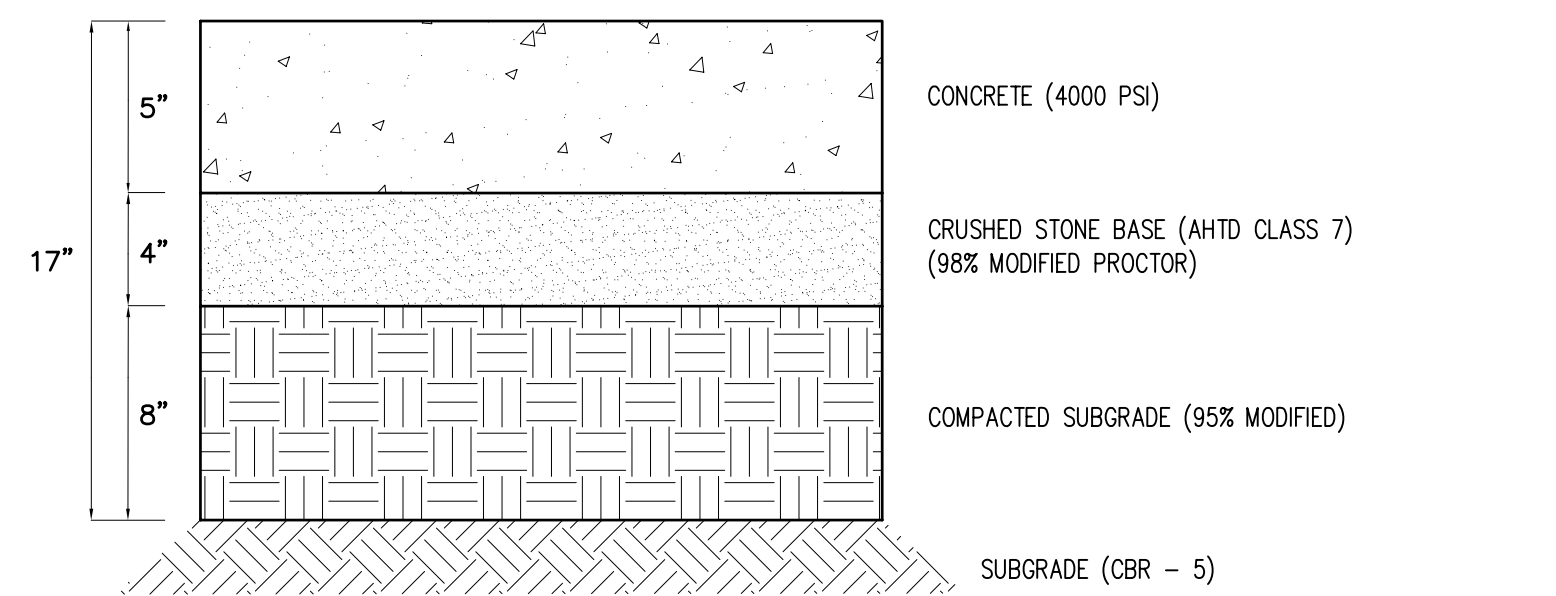
SHEET	DATE	REVISIONS	JOB #
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WITTENBERG, DELONY & DAVIDSON, INC.

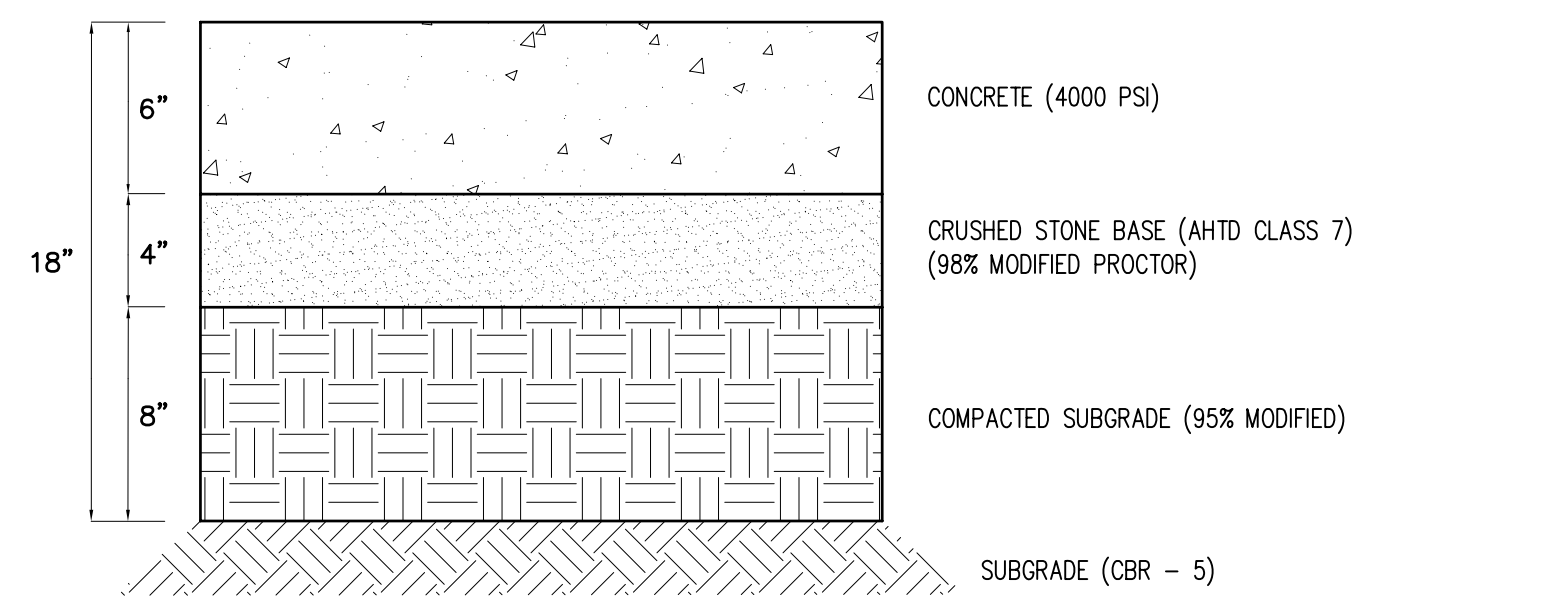




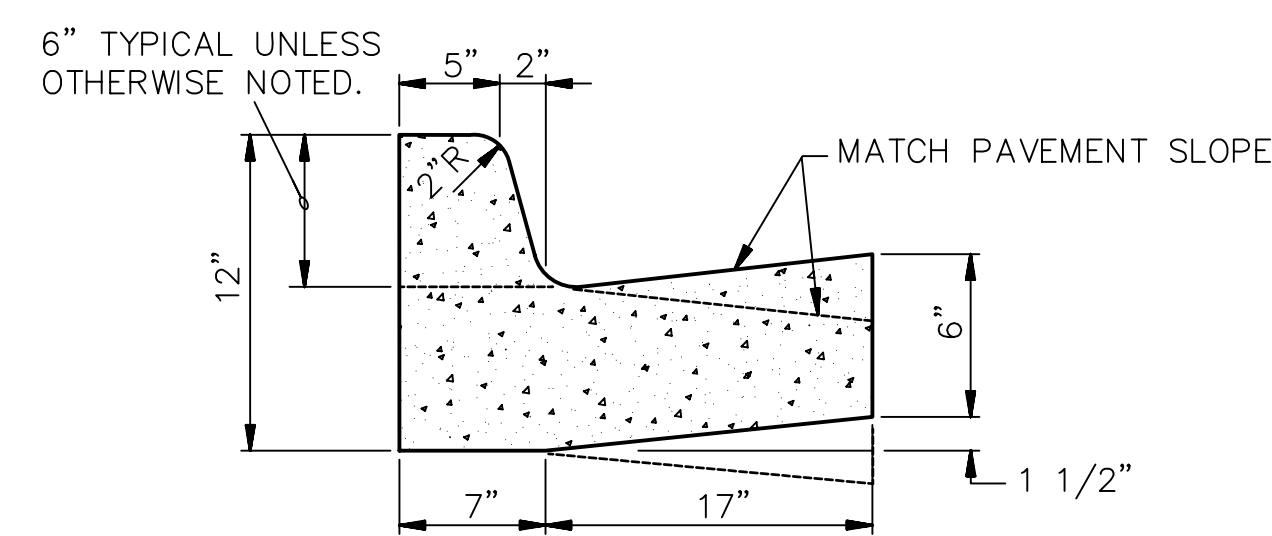
1 TYPICAL ASPHALT PAVING DETAIL
N.T.S.



2 CONCRETE PAVING DETAIL
N.T.S.



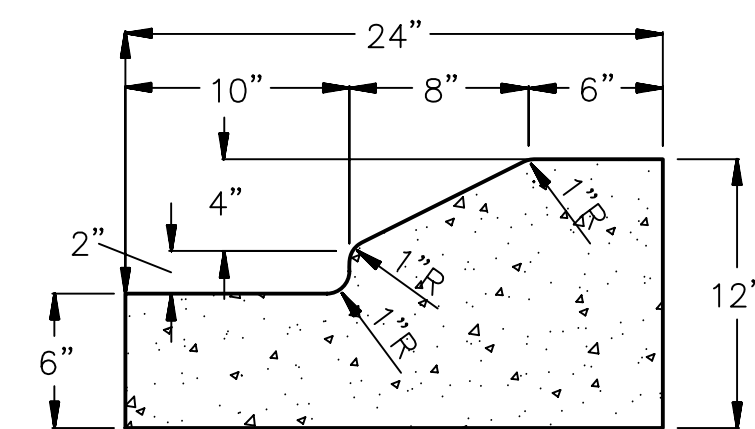
3 SERVICE / TRASH DUMPSTER PAVING DETAIL
N.T.S.



TYPE "A" (BARRIER) RESIDENTIAL & COLLECTOR STREETS

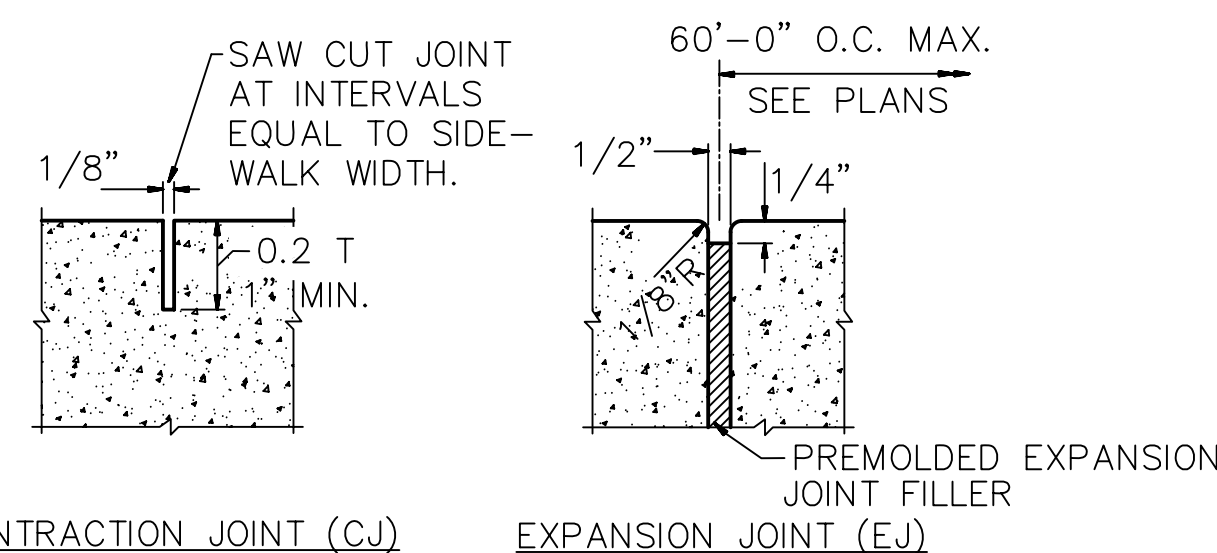
NOTE: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

4 BARRIER TYPE CURB & GUTTER
N.T.S.



NOTE: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

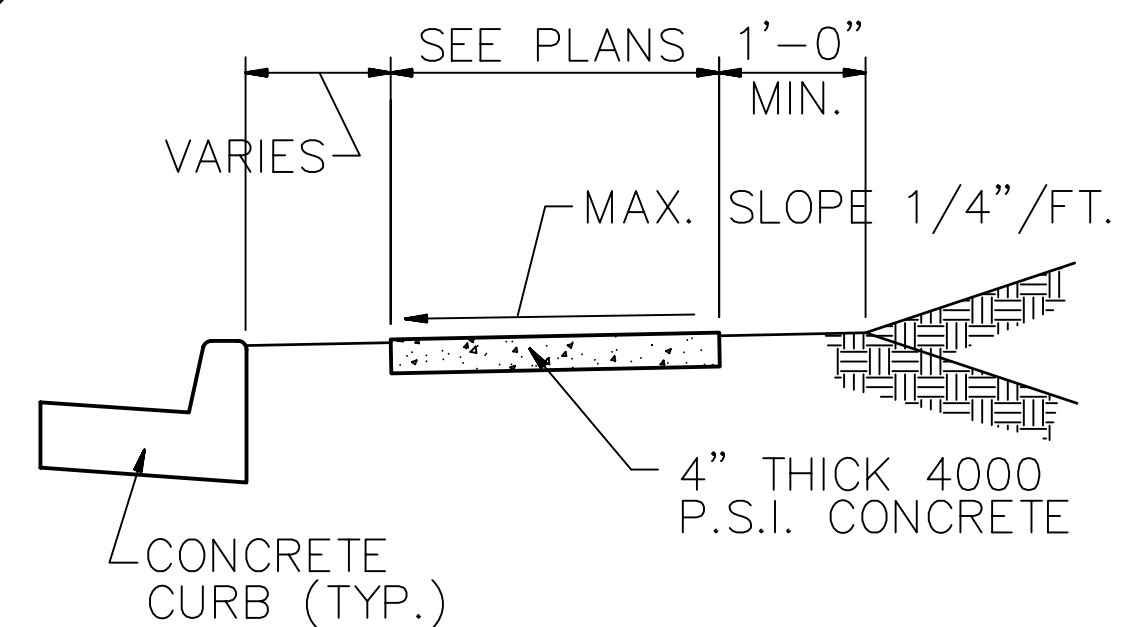
5 ROLL OVER TYPE CURB & GUTTER
N.T.S.



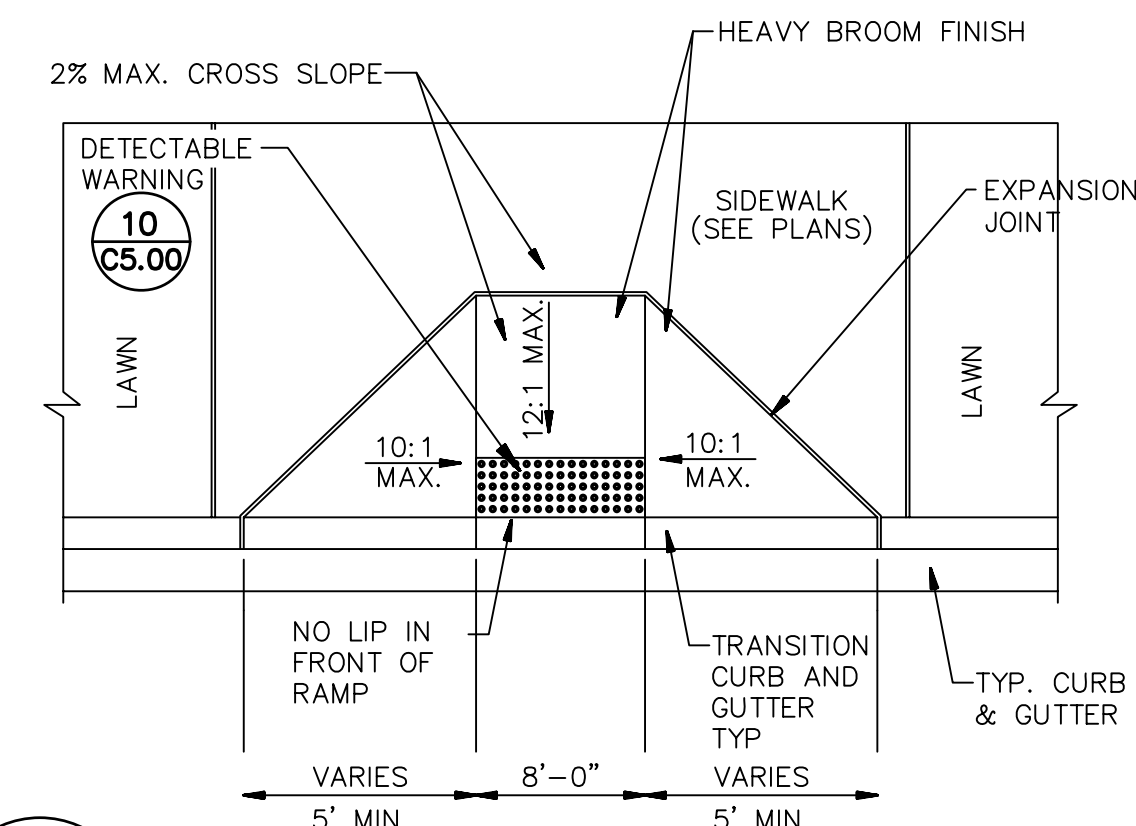
CONTRACTION JOINT (C.J) EXPANSION JOINT (E.J)

NOTE: PROVIDE EXPANSION JOINT WHERE SIDEWALK ABUTTS CURB AND NEXT TO STRUCTURES AND DRIVEWAYS.

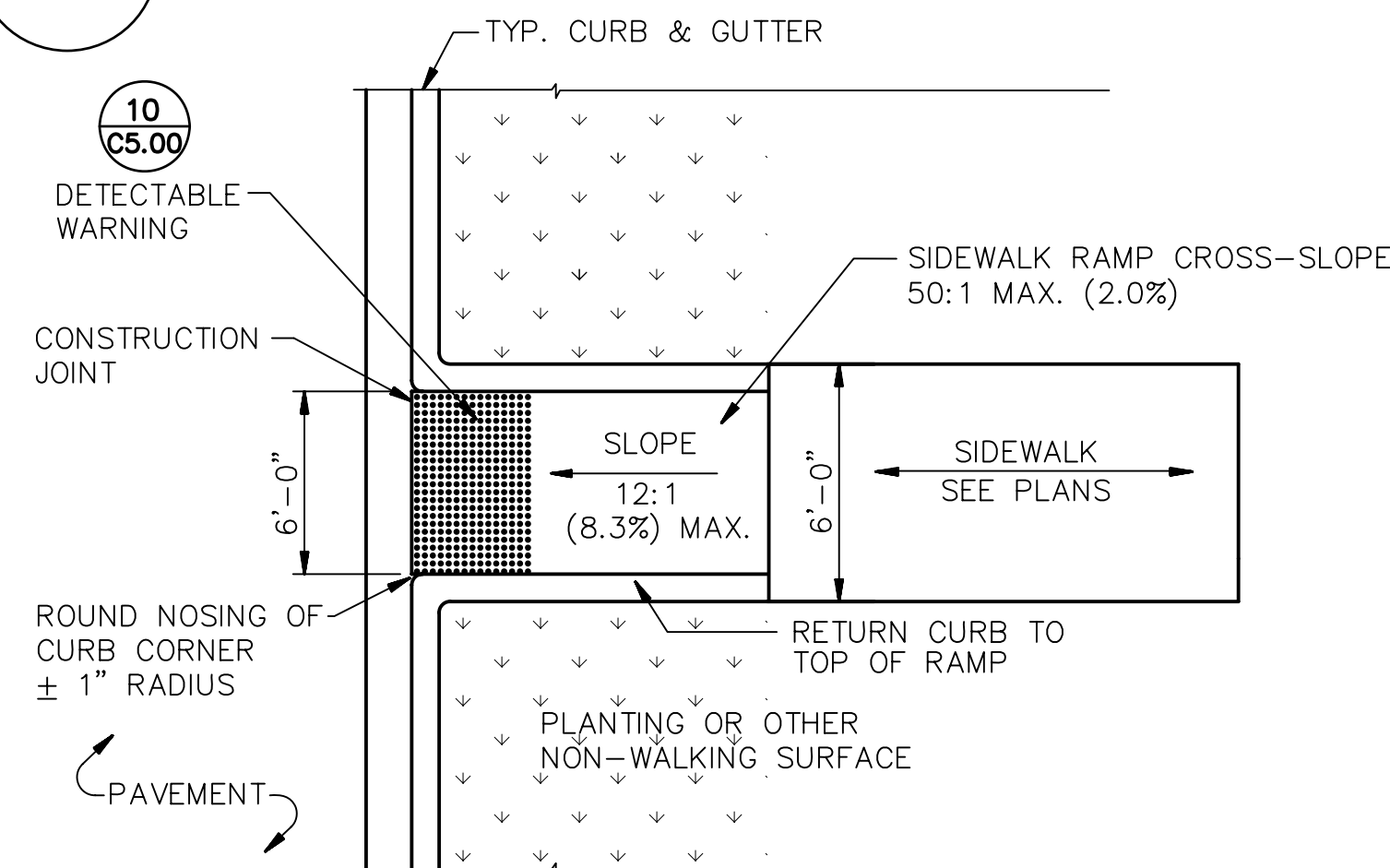
6 TYPICAL JOINT DETAIL
N.T.S.



7 SIDEWALK CROSS SECTION
N.T.S.

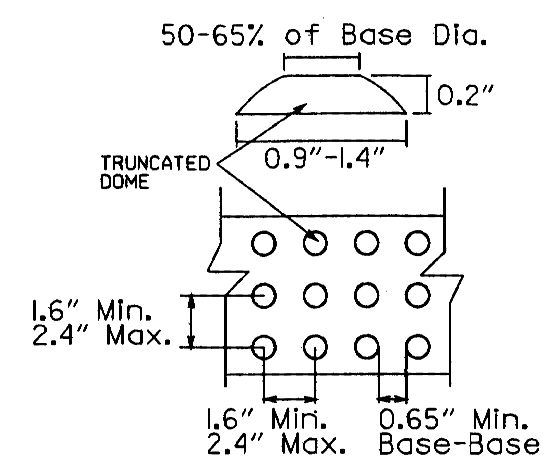


8 FLARED SIDEWALK RAMP DETAIL
N.T.S.

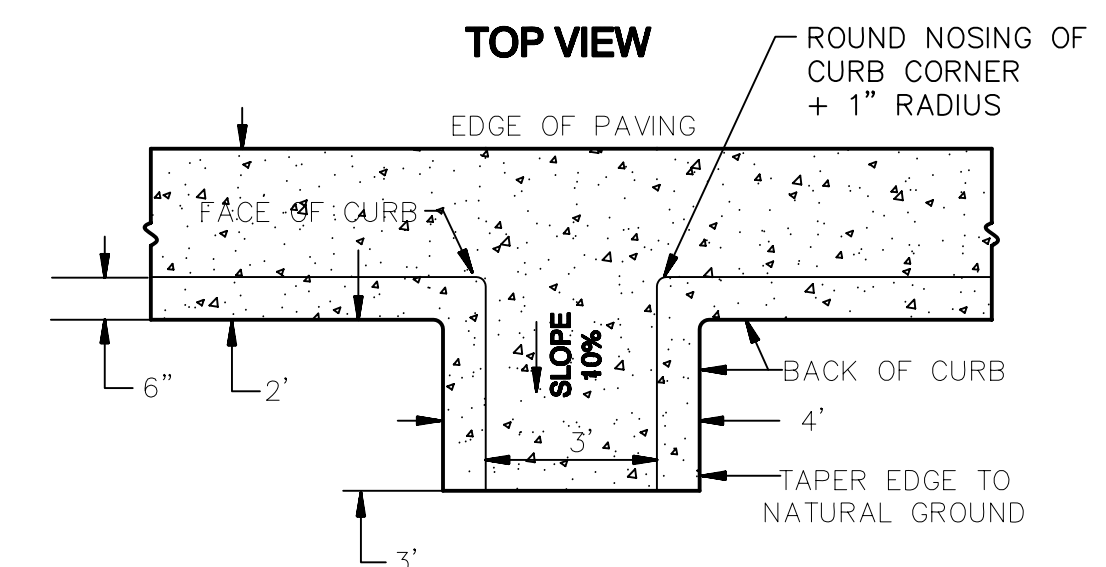


9 SIDEWALK RAMP DETAIL
N.T.S.

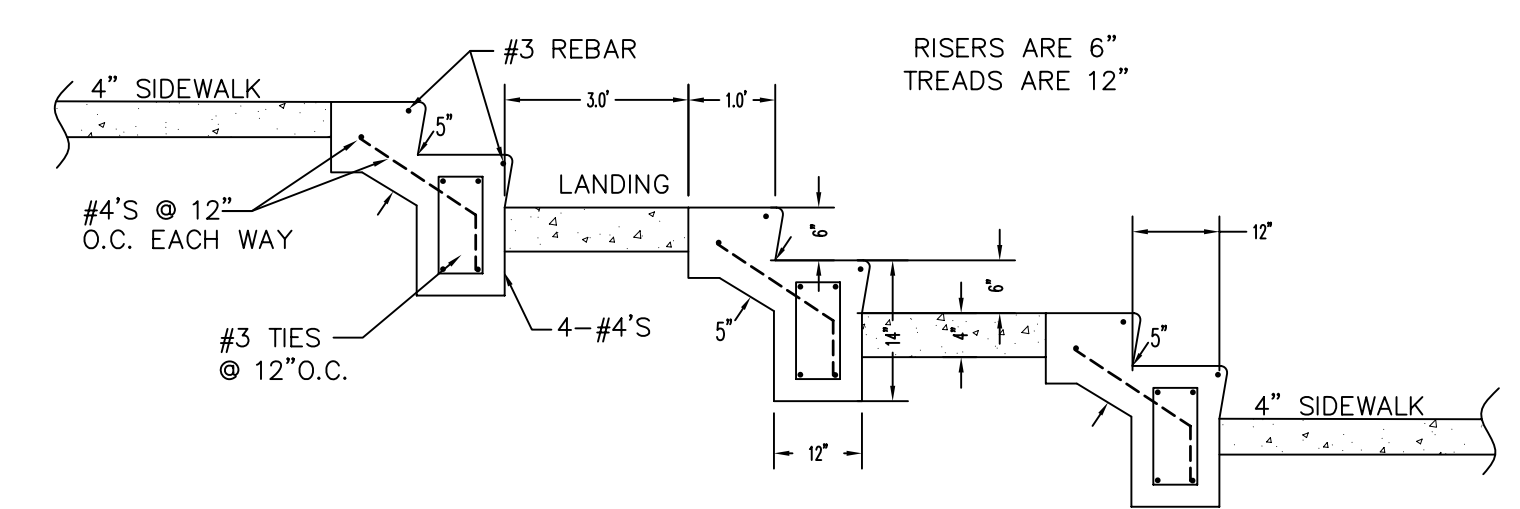
GENERAL NOTES FOR DETECTABLE WARNING DEVICES:
THE DETECTABLE WARNING DEVICE SHALL BE LOCATED SO THAT THE HIGHEST EDGE OF THE DEVICE IS 8" TO 8 1/2" FROM THE FACE OF THE CURB. TRUNCATED DOMES IN THE DETECTABLE WARNING SURFACE SHALL MEET THE REQUIREMENTS OF THE GEOMETRIC CONSIDERATION SQUARE GRID IN THE PRESENCE OF A SLOPE TO PERMIT WHEELS TO ROLL BETWEEN DOMES. DETECTABLE WARNING DEVICES SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
DETECTABLE WARNING DEVICES SHALL BE ON THE AHTD QUALIFIED PRODUCTS LIST FOR CURB-RELATED TACTILE PANELS (ADA DETECTABLE WARNING).



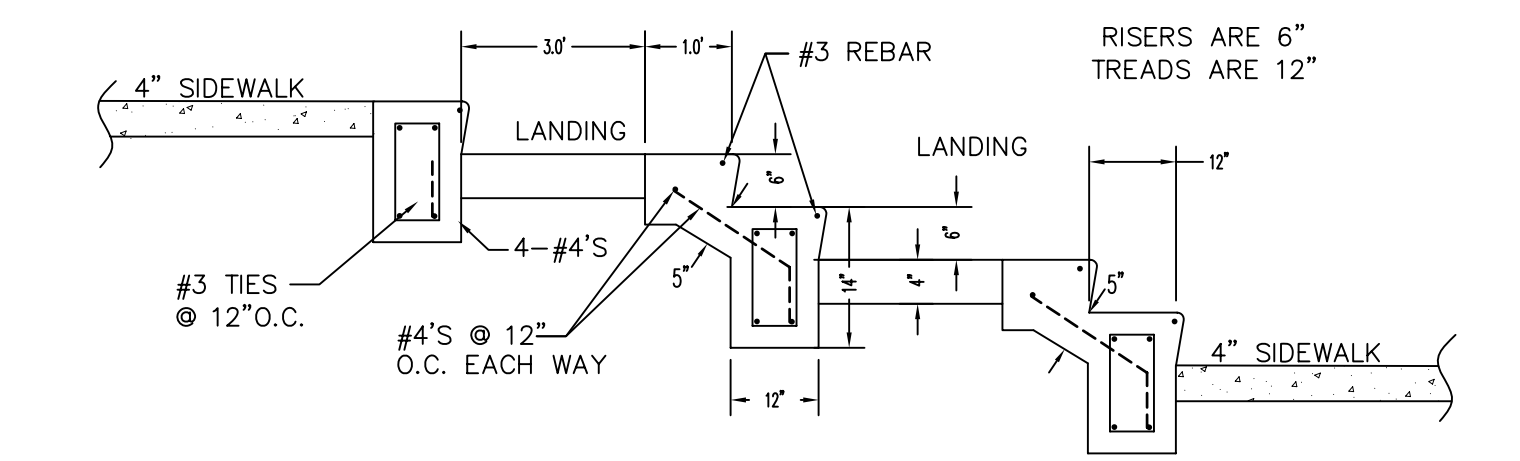
10 DETECTABLE WARNING DETAIL
N.T.S.



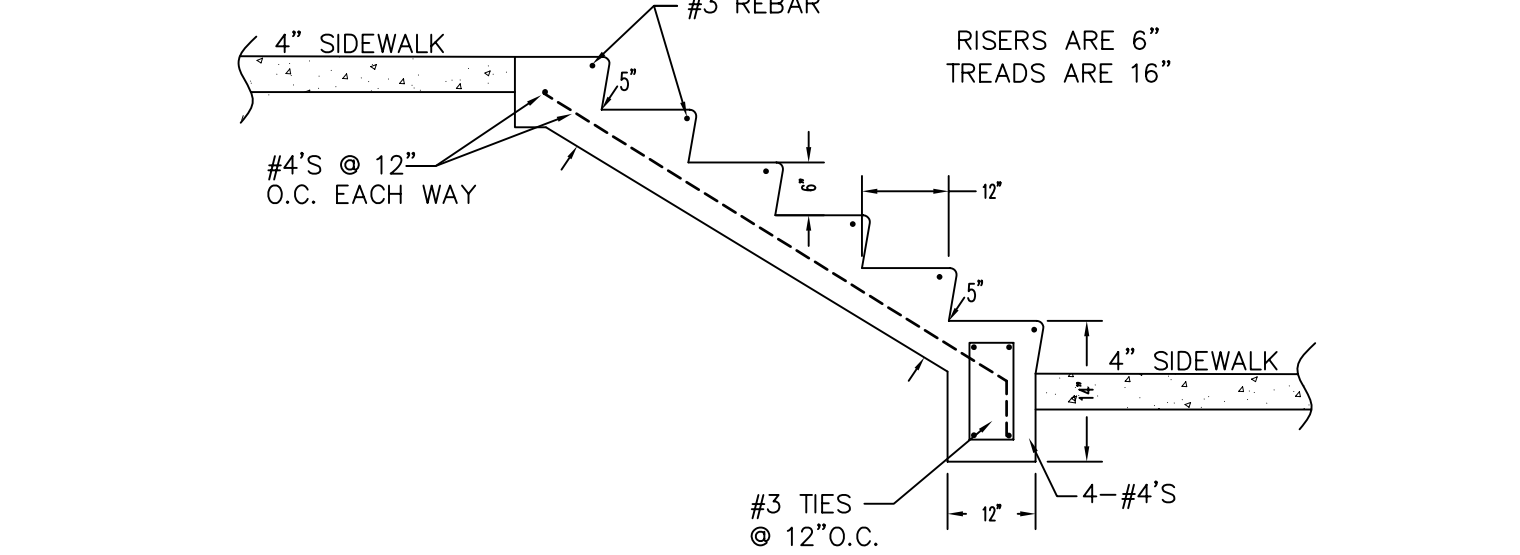
11 CONCRETE FLUME / CURB CUT DETAIL
N.T.S.



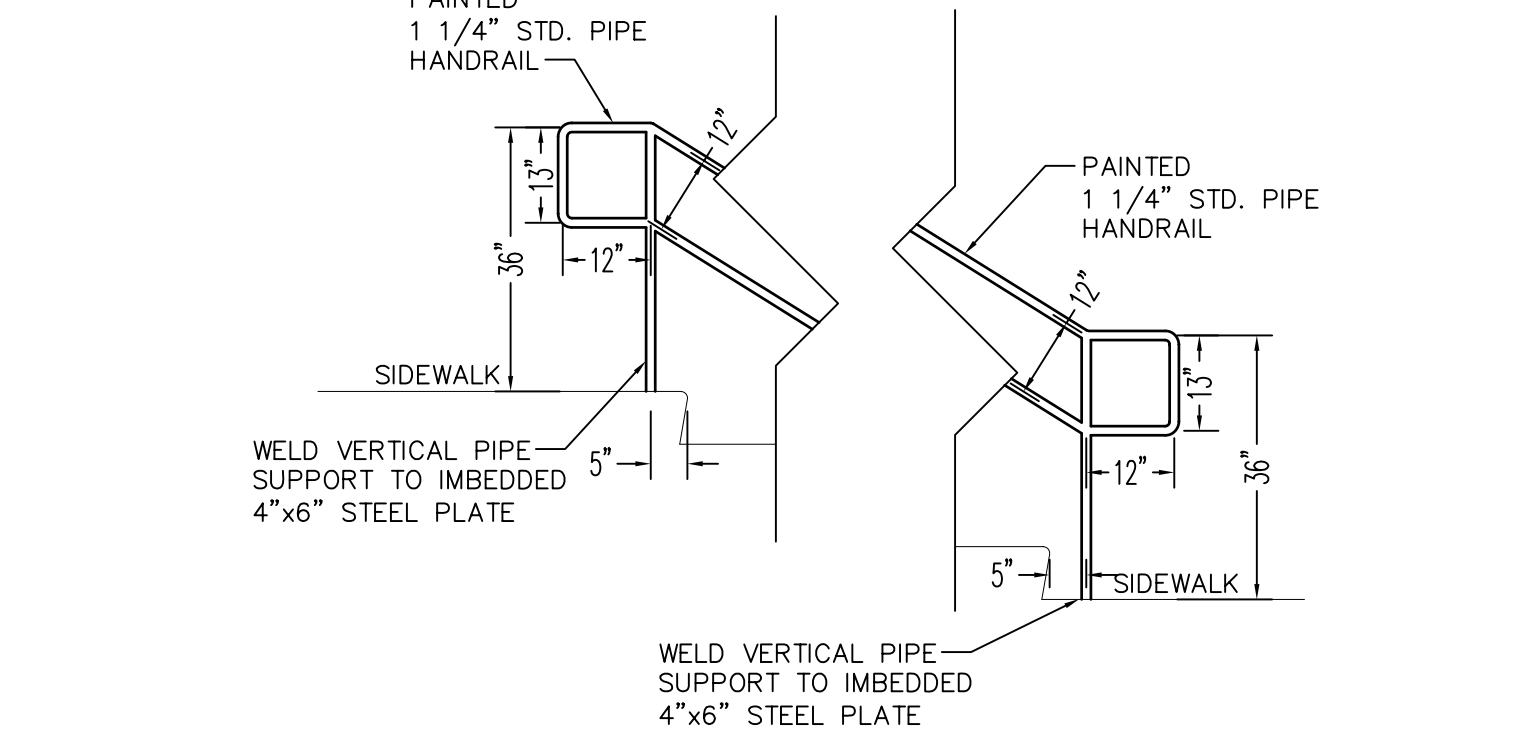
12 SIDEWALK STEPS SECTION DETAIL
N.T.S.



13 SIDEWALK STEPS SECTION DETAIL
N.T.S.



14 SIDEWALK STEPS SECTION DETAIL
N.T.S.



15 SIDEWALK STEP HANDRAIL DETAIL
N.T.S.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 234
ROBERT D. HENRICH
4-25-08

TREANOR ARCHITECTS P.A.
1617 Walnut Street
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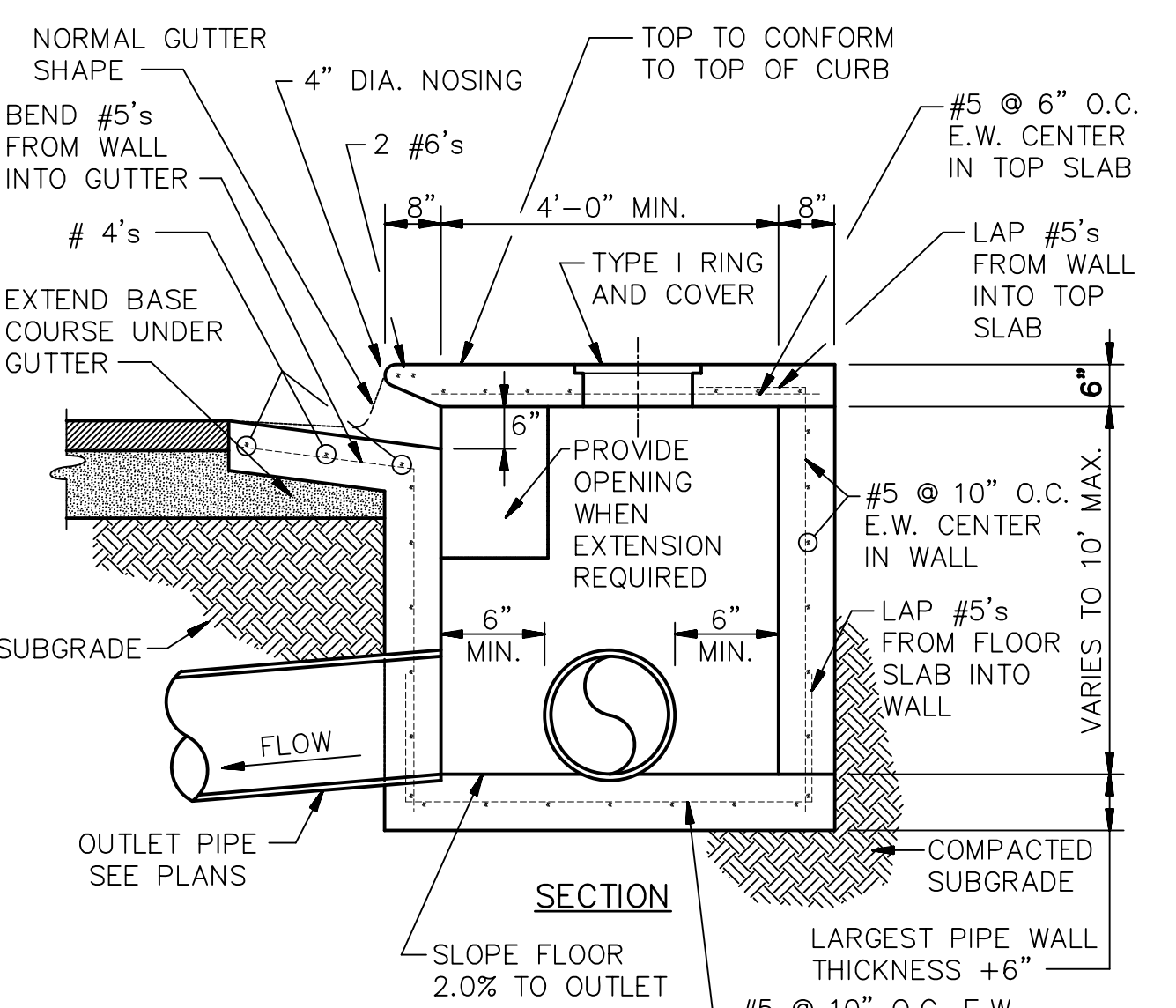
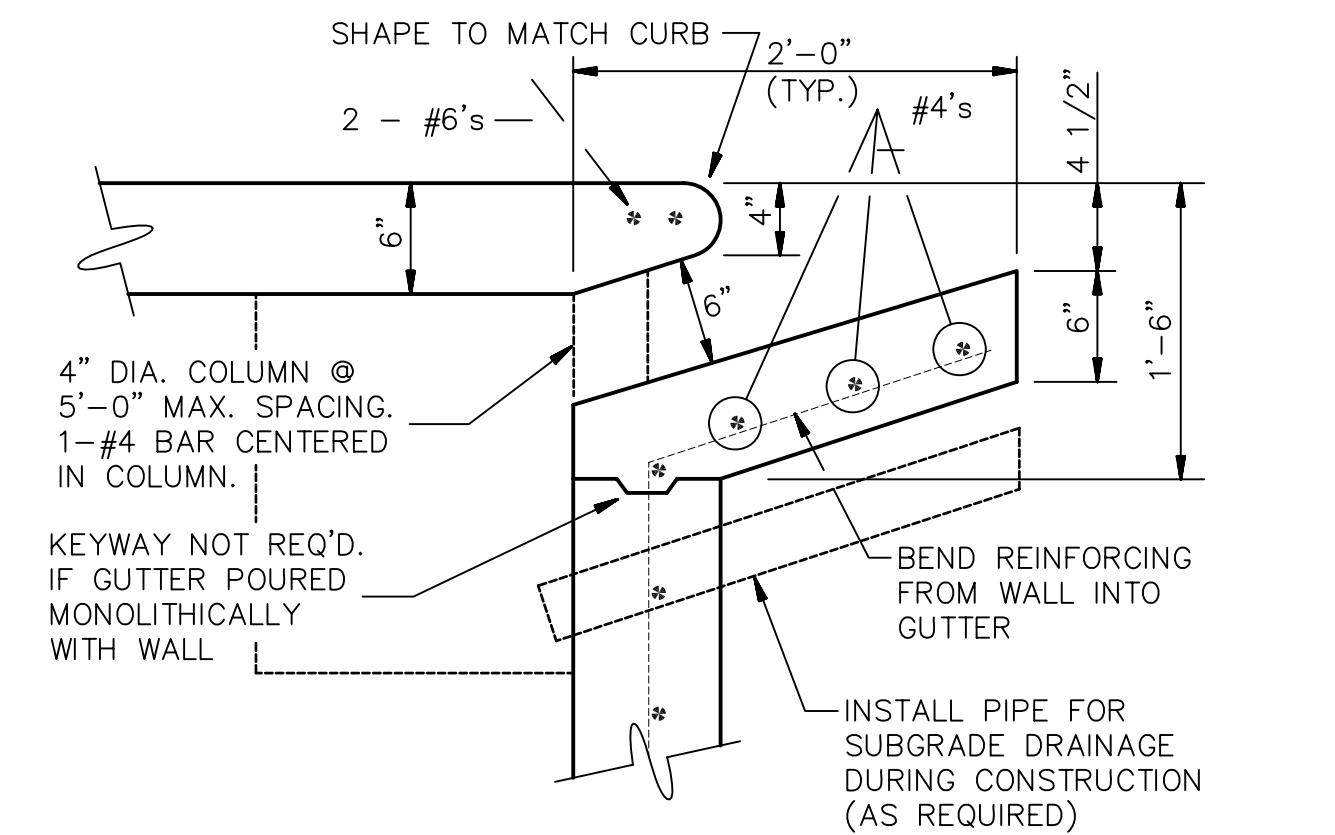
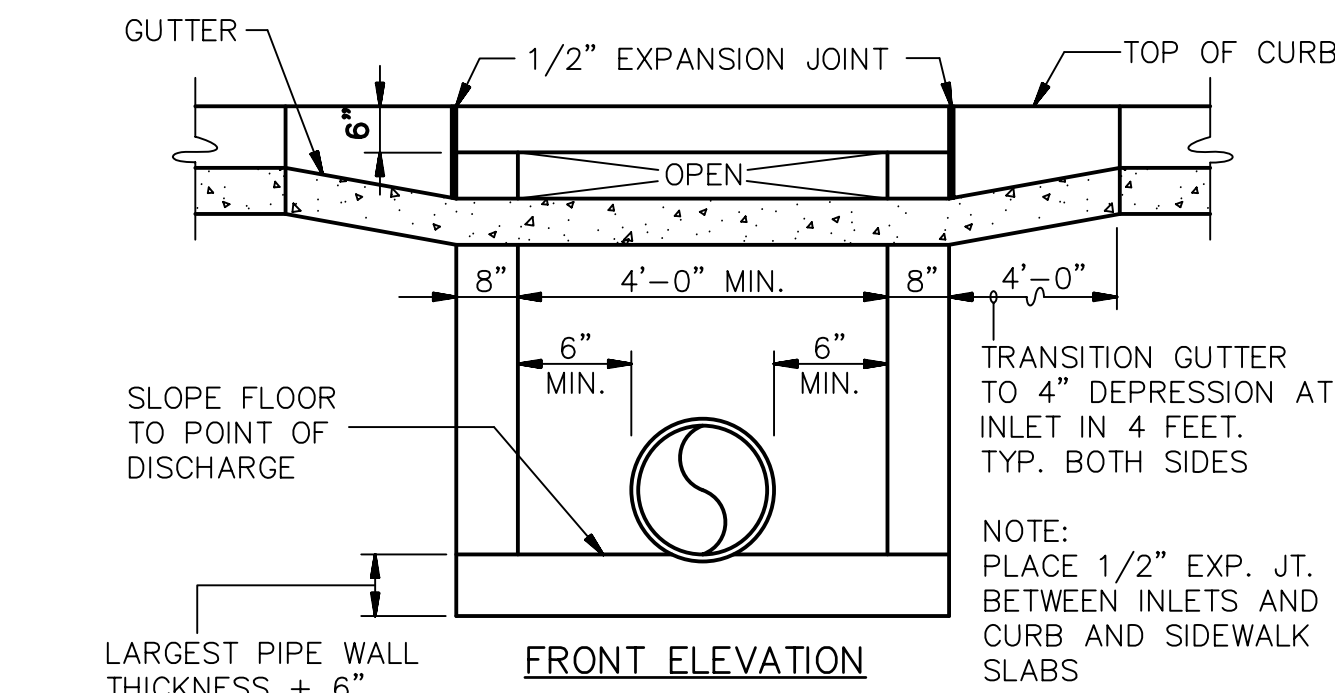
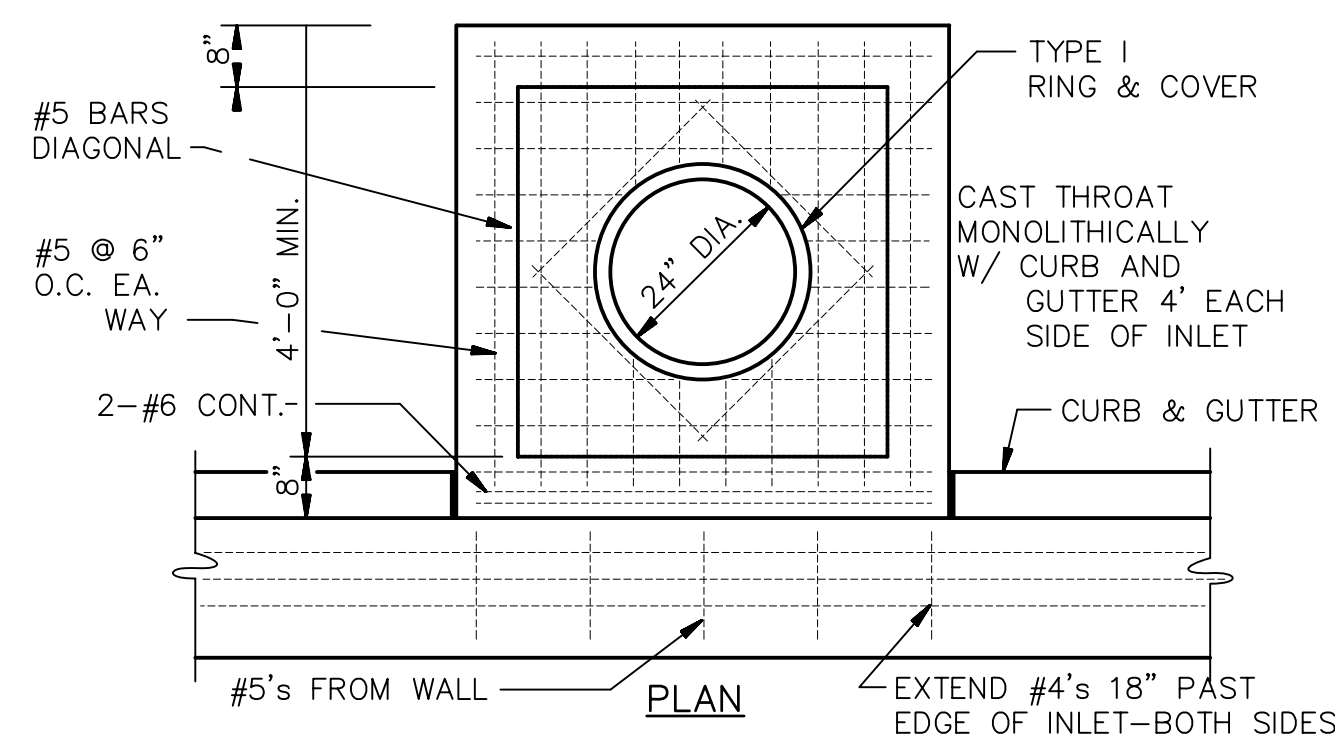
WD&D ARCHITECTS
Wittenberg, Delony & Davidson Architects, Inc.
400 W. Capital Avenue, Suite 1800
Little Rock, AR 72201

HKB
HAYWOOD, KENWARD, BARE AND ASSOCIATES, INC.
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1801 LAUREL STREET, SUITE 200
JONESBORO, AR 72404
TEL: 870.932.9214
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PROJECT TITLE
Student Apartments
Arkansas State University
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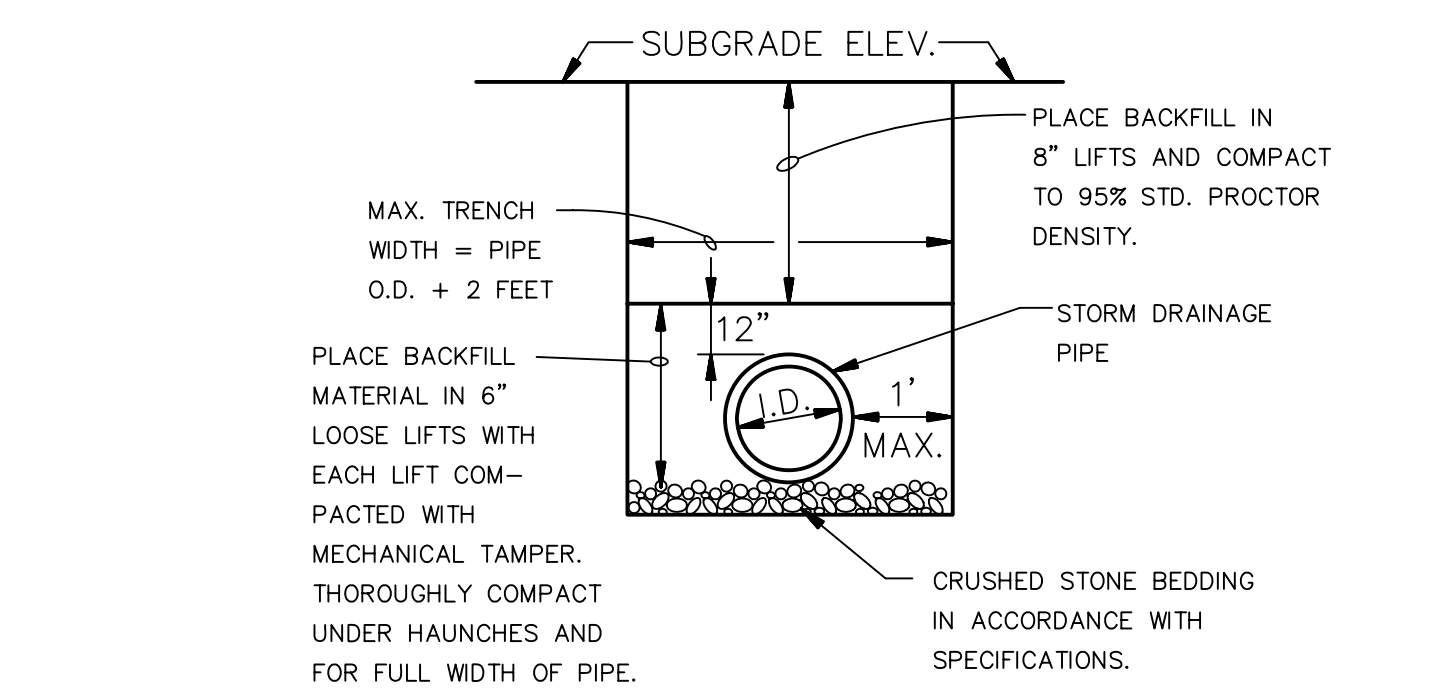
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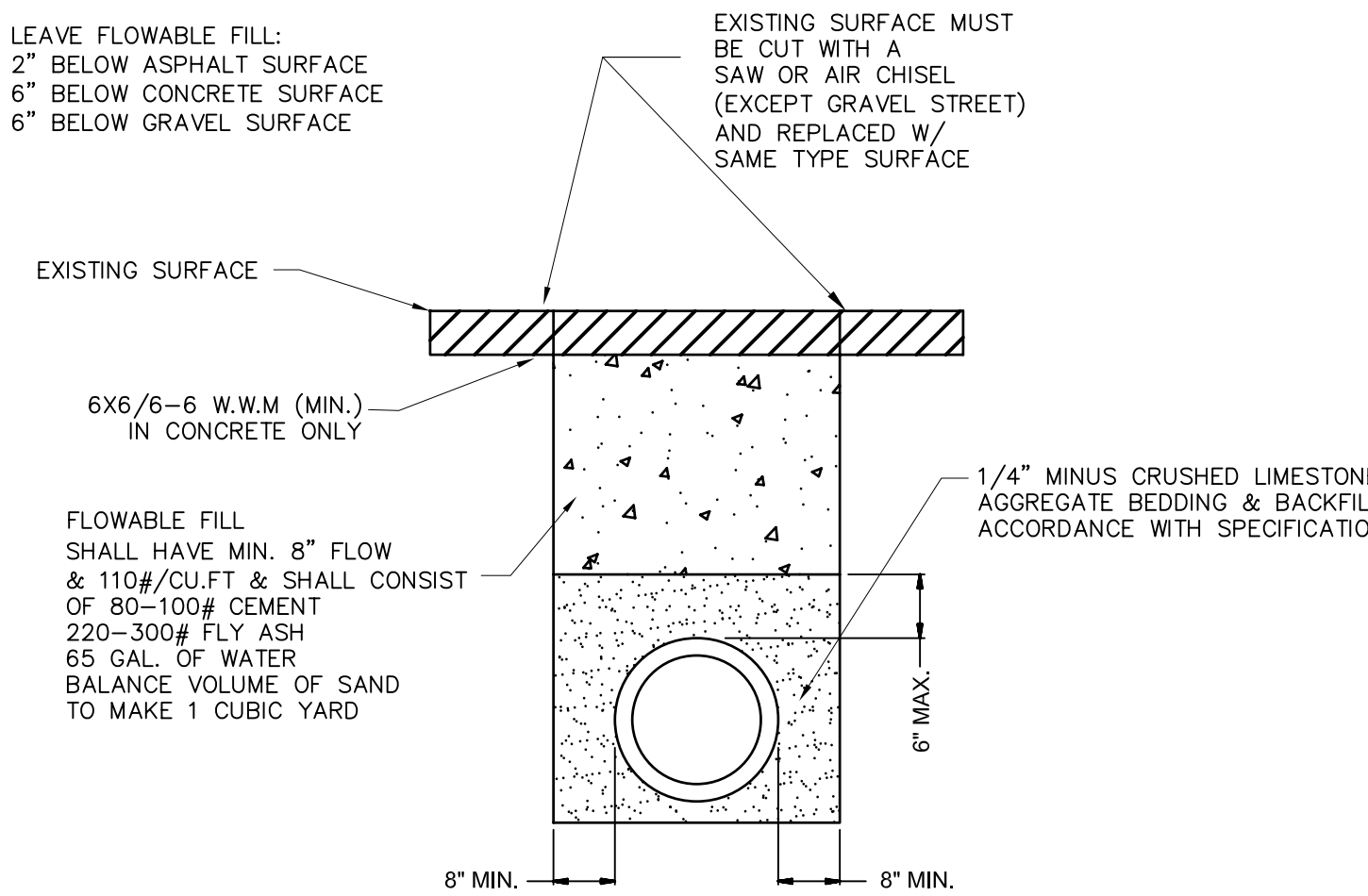
NOTE:
INLETS MORE THAN 3'-0" DEEP SHALL HAVE STANDARD MANHOLE STEPS PLACED AT 15" O.C. - MANHOLE FRAME AND COVER SHALL BE PLACED ADJACENT TO THE WALL WITH THE STEPS.
AS APPROVED BY ENGINEER, WALLS MAY BE 8" BLOCK WITH 1/2" MORTAR. FILL CELLS WITH CONCRETE AND WITH #4 @ 16" O.C. MINIMUM DISTANCE FROM WALL TO PIPE SHALL BE 8" IF BLOCK WALLS ARE CONSTRUCTED.

1 SECTION - TYPICAL CURB INLET
N.T.S.



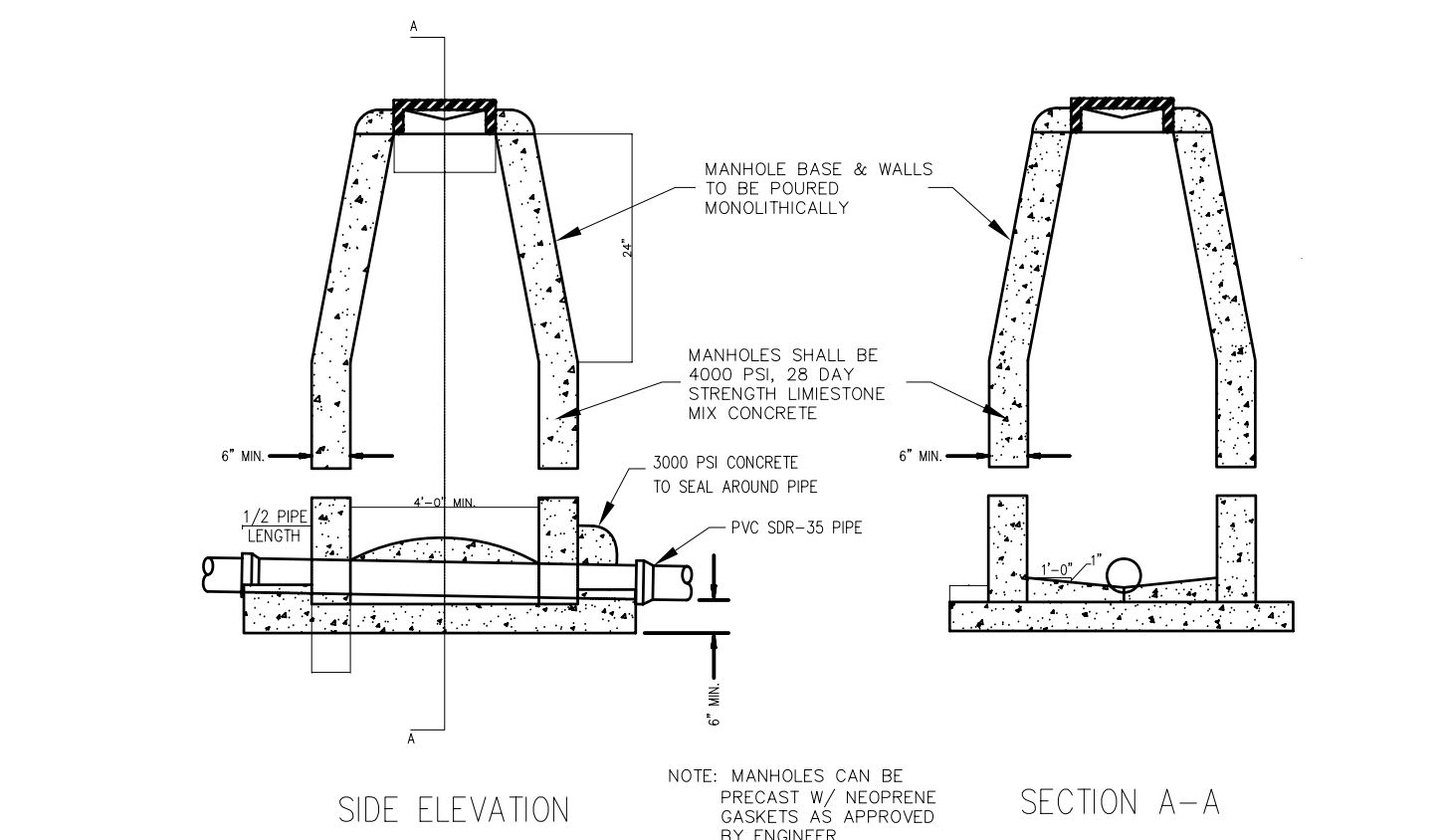
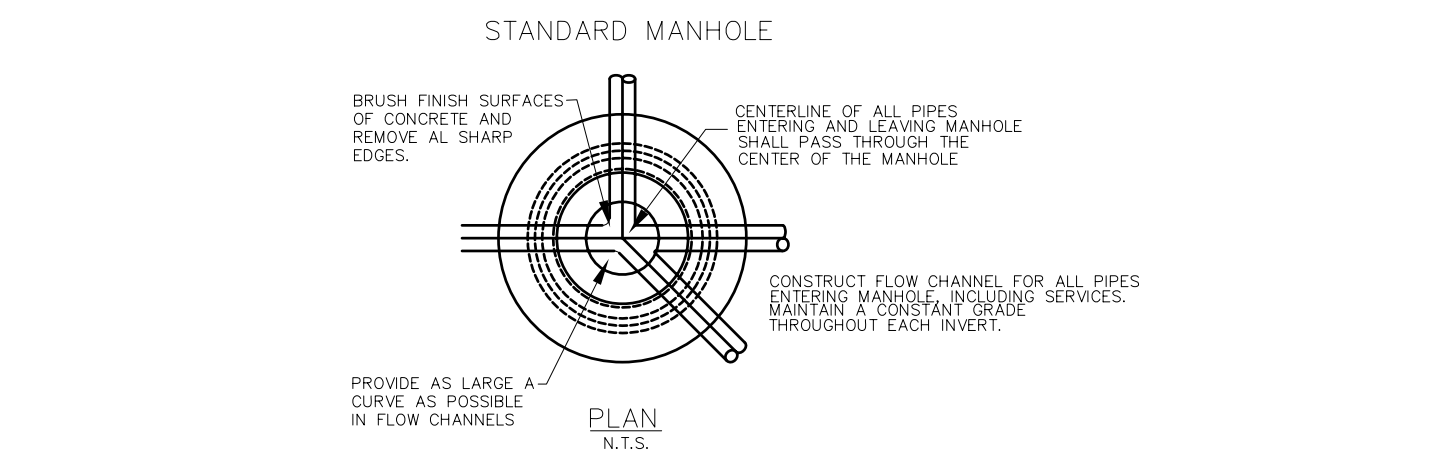
2 DRAINAGE/SEWER PIPE TRENCH DETAIL AT LAWN/LANDSCAPE AREAS
N.T.S.

NOTE: (1) EXCAVATED MATERIAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR
(2) THIS REPAIR DETAIL IS REQUIRED FOR ALL EXCAVATION WITHIN 5' OF PAVED EDGE AND ALL TRANSVERSE EXCAVATIONS TO EXTEND 3' BEYOND PAVED EDGE.

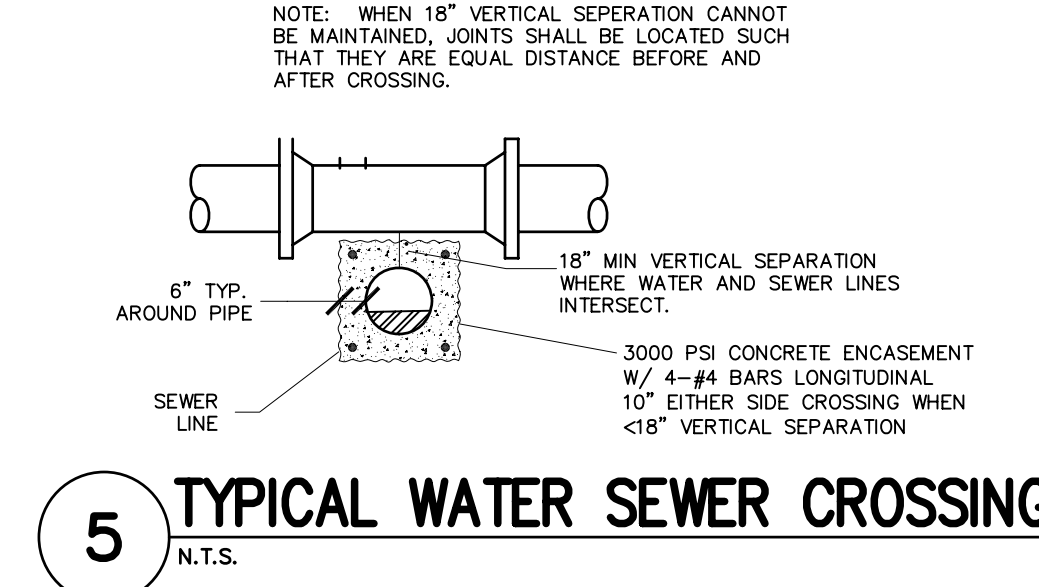


3 PIPE TRENCH DETAIL AT EXISTING STREET OR PROPOSED PAVING
N.T.S.

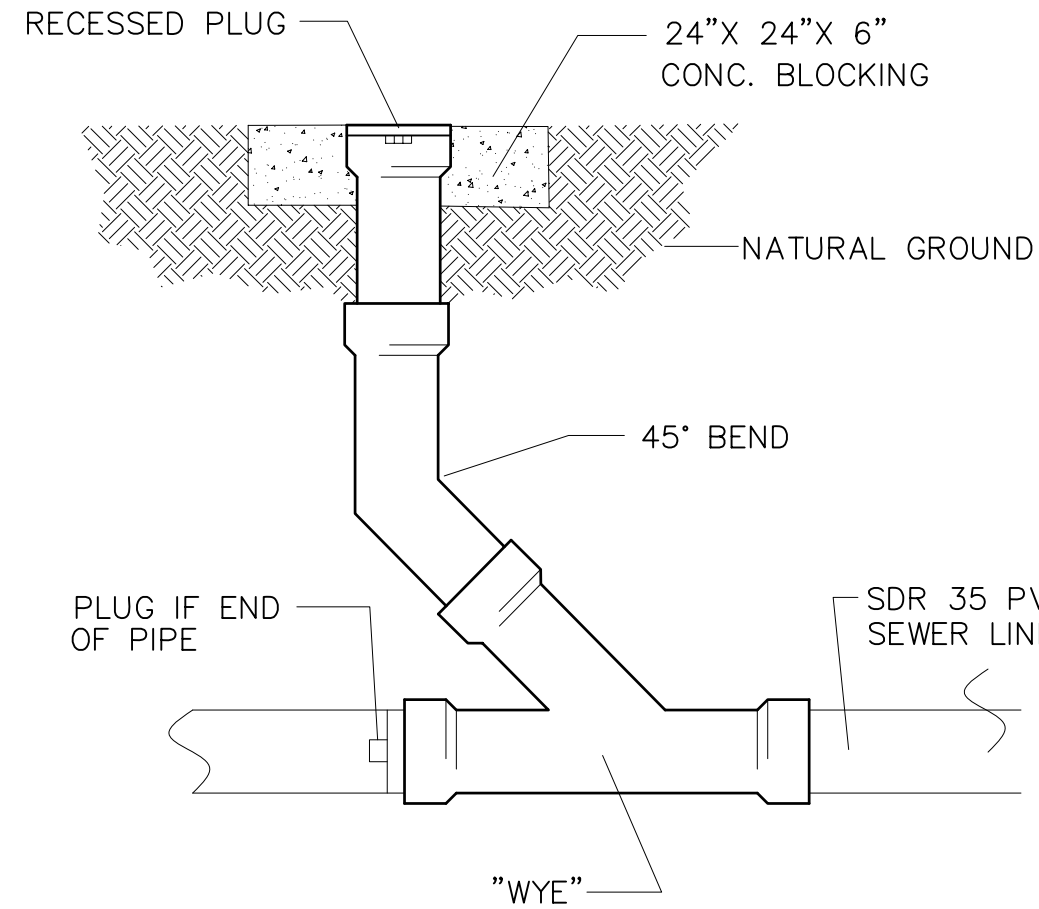
NOTES TYPICAL TO ALL MANHOLES
1. MANHOLE BASES TO BE 4000 PSI, 28 DAY STRENGTH LIMESTONE MIX CONCRETE ON UNDISTURBED SUB-GRADE OR ON COMPACTED SELECT FILL MATERIAL AS AUTHORIZED.
2. MANHOLE SERRIAL MATERIAL TO BE CONCRETE IN ACCORDANCE WITH PROPOSAL FORM REQUIREMENTS.
a. 4" I.D. FOR SEWER SIZES 6" THRU 24"
b. 5" I.D. FOR SEWER SIZES 24" THRU 30"
c. 6" I.D. FOR SEWER SIZES 36" THRU 42"
3. SET MANHOLE TOPS AS FOLLOWS:
a. IN STREETS, ROADS, HIGHWAYS, AND OTHER PAVED AREAS: FLUSH WITH FINISHED PAVING GRADE.
b. UNPAVED AREAS, SUCH AS FIELDS, WOODS, ETC.: 12" ABOVE GROUND.
c. OTHER AREAS: 1" ABOVE GROUND.
4. MANHOLE FRAMES SHALL HAVE MIN. OPENING OF 22" DIA.



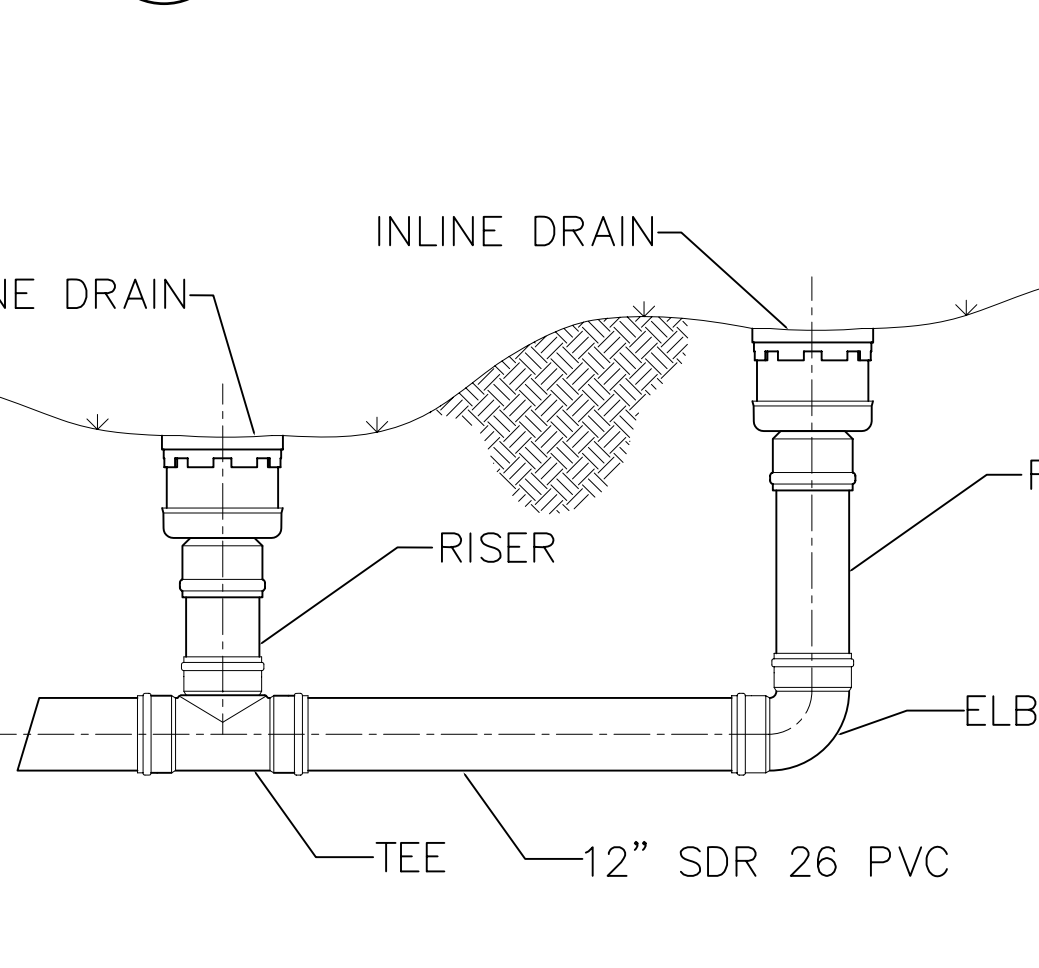
4 STANDARD MANHOLE DETAIL
N.T.S.



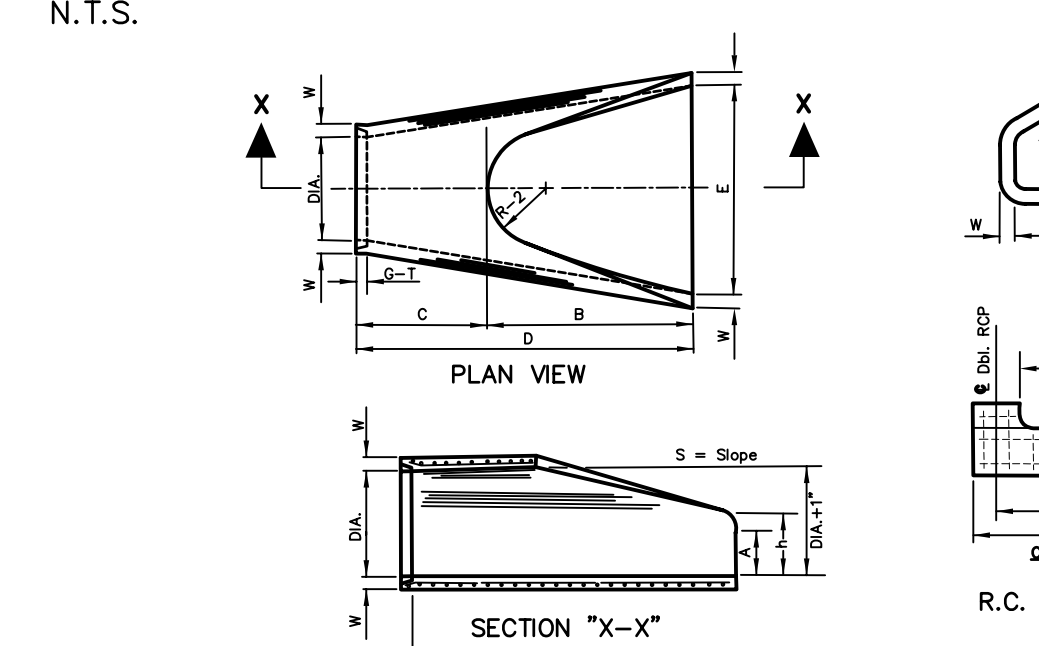
5 TYPICAL WATER SEWER CROSSING
N.T.S.



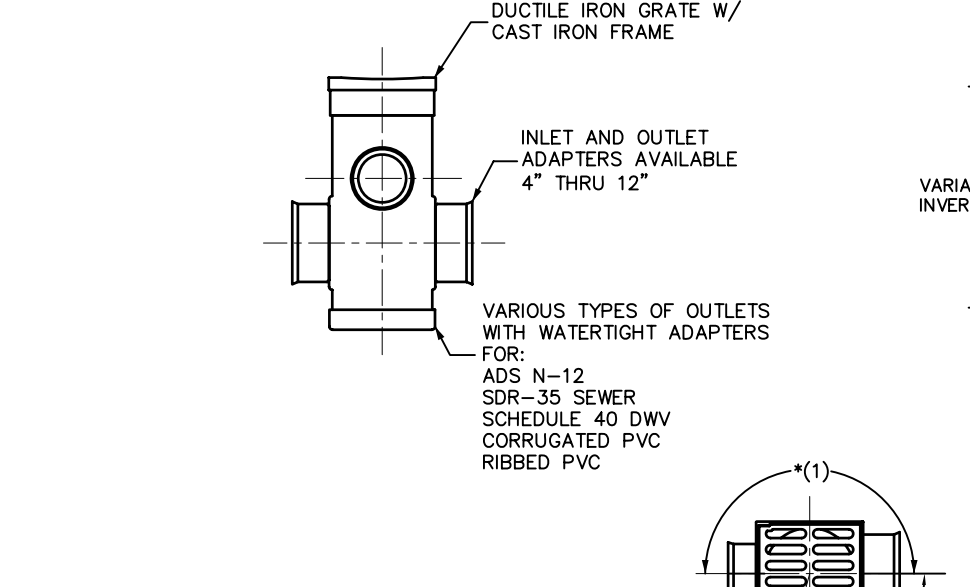
6 CLEAN OUT DETAIL
N.T.S.



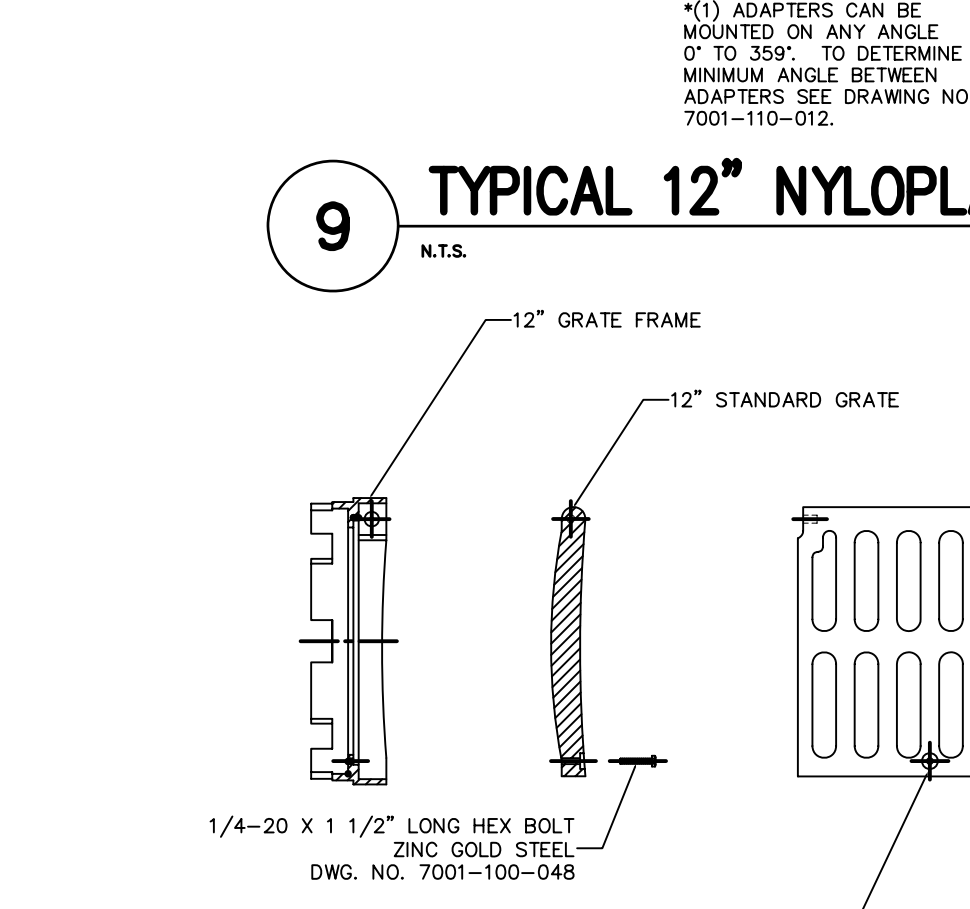
7 TYPICAL INLINE DRAIN INSTALLATION
N.T.S.



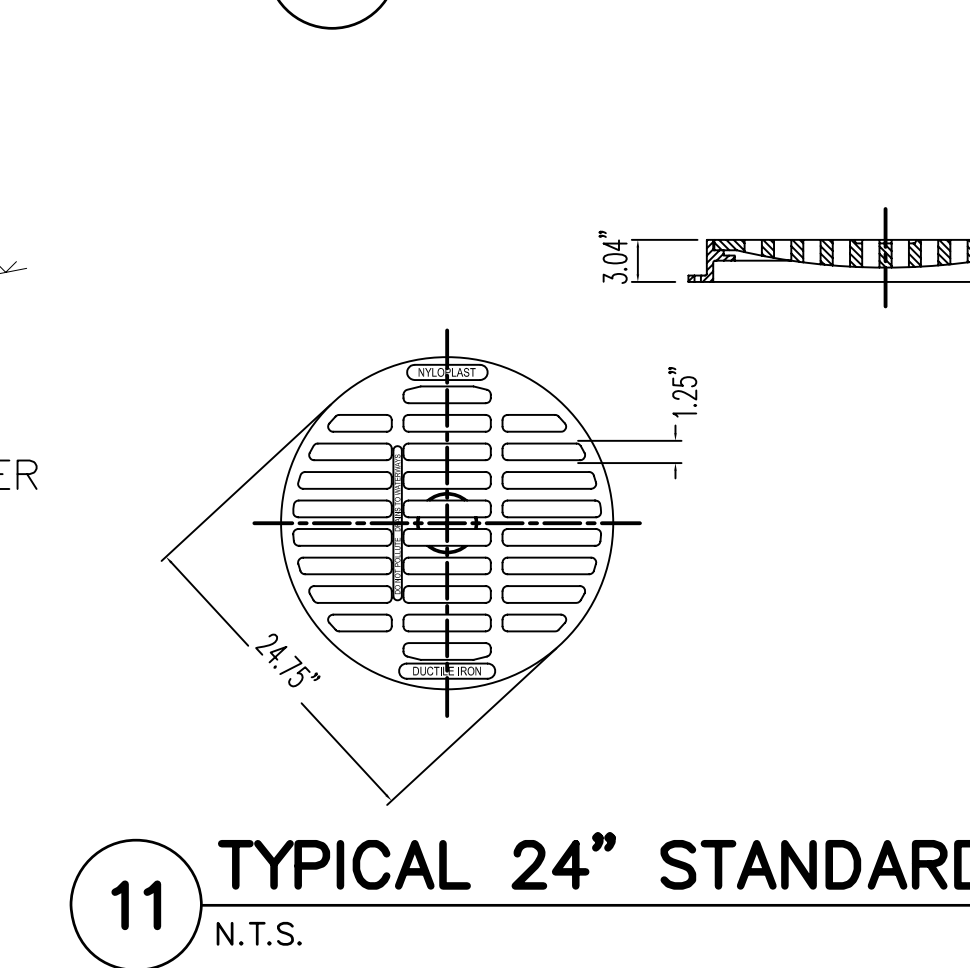
8 FLARED END SECTION FOR RCP
N.T.S.



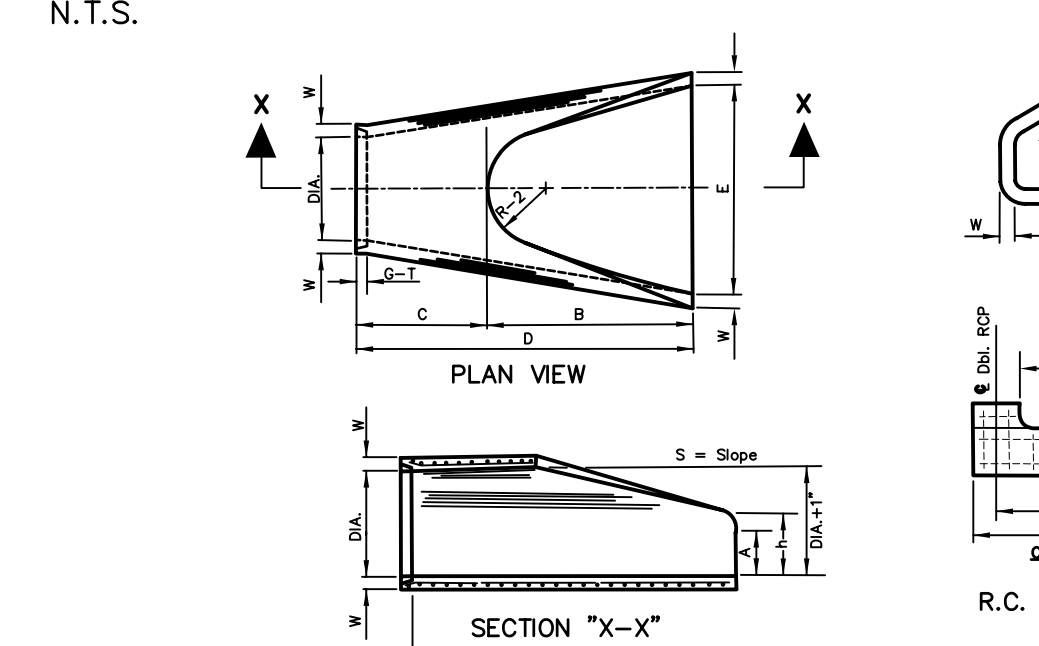
9 TYPICAL 12" NYLOPLAST DRAIN BASIN
N.T.S.



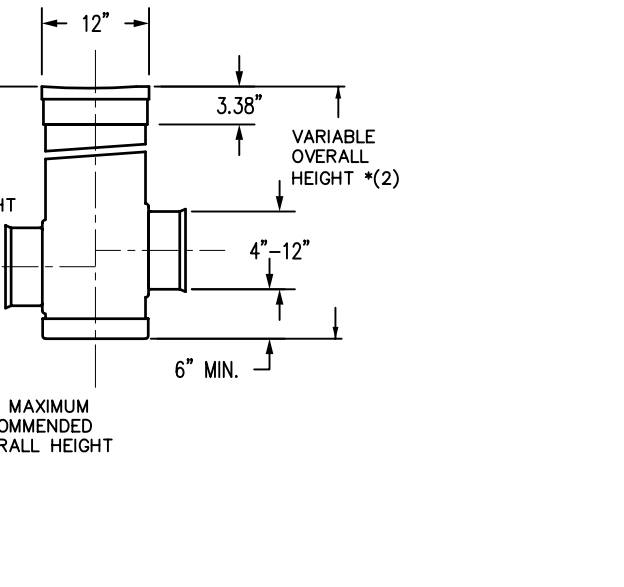
10 TYPICAL 12" STANDARD NYLOPLAST GRATE
N.T.S.



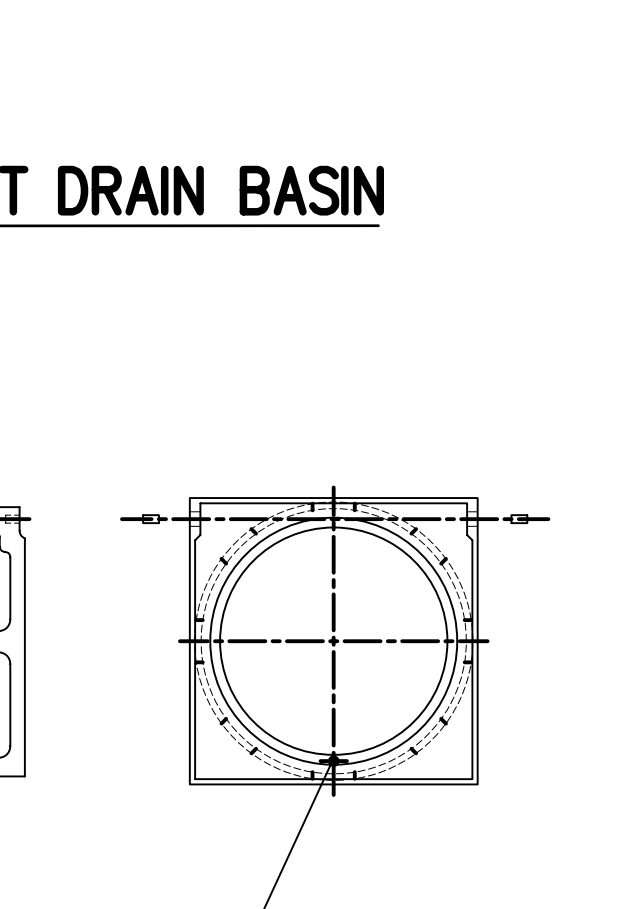
11 TYPICAL 24" STANDARD NYLOPLAST GRATE
N.T.S.



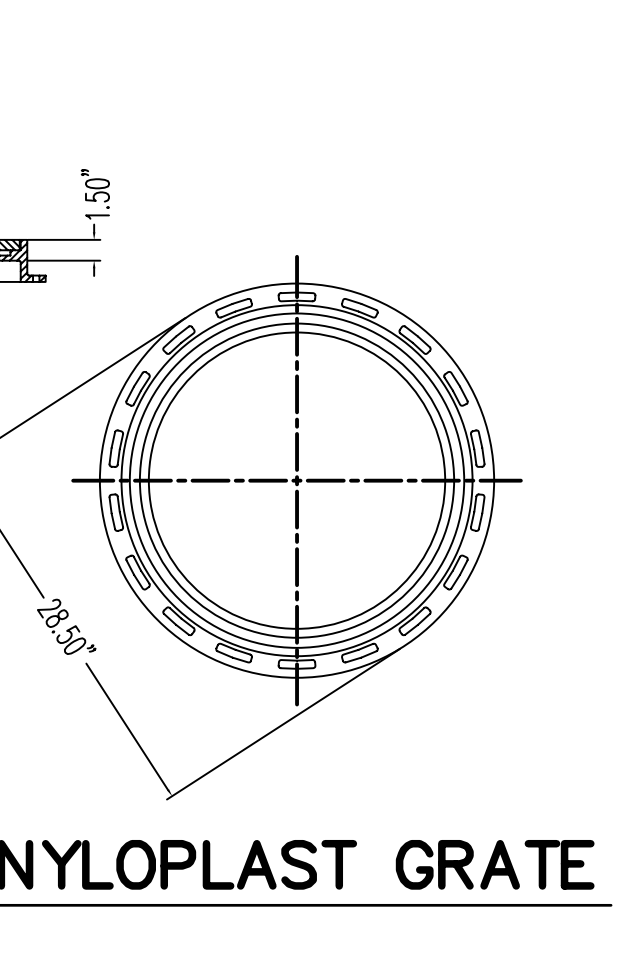
NOTES:
1. The portion of the R.C. Curtain Wall beneath the Flared End Section (Lower 1'-0") shall be placed monolithically. The Flared End Section shall then be set in place and the remaining portions of the R.C. Curtain Wall placed.
2. All reinforcing steel are #4 Bars at 6" O.C.
3. No separate payment will be made for the Curtain Walls. They shall be considered subsidiary to the Flared End Sections.
4. Tongue End On Upstream Section. Groove End On Downstream Section.



13 TYPICAL 12" NYLOPLAST DRAIN BASIN
N.T.S.



14 TYPICAL 12" STANDARD NYLOPLAST GRATE
N.T.S.



15 TYPICAL 24" STANDARD NYLOPLAST GRATE
N.T.S.

TREANOR ARCHITECTS P.A.
1617 Walnut Street
Kansas City, Missouri 64108-1314
Office: 816.231.0900
Fax: 816.231.0992
www.treanorarch.com

WD&D ARCHITECTS
Wittenberg, Delony & Davidson Architects, Inc.
400 W. Capitol Avenue, Suite 1800
Little Rock, AR 72201

HKB
HAYWOOD, KENWARD, BARE AND ASSOCIATES, INC.
CIVIL ENGINEERS-SURVEYORS-PLANNERS
1801 HOLMES DRIVE
JONESBORO, AR 72404
PHONE: 870.932.2244
FAX: 1.870.932.1076
www.hkbinc.com

PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

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Civil Details

WITTENBERG, DELONY & DAVIDSON, INC.
REVISIONS
DATE
4-28-08
JOB #
07-047
SHEET
C5.01

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 234
4-25-08

9.08 Acres

Wooded Area

SITE AMENITIES LOCATION (TYP.) SEE SHEET AO.01 ARCHITECTURAL SITE PLAN

LIMIT OF SOD (TYP.) PROVIDE SMOOTH TRANSITION TO NATURAL AREAS NOT DISTURBED BY GRADING. SEE GRADING PLAN FOR EXTENT OF GRADING.

NOTE: AUTOMATIC CONTROLLER TO BE LOCATED IN COMPLEX MECHANICAL ROOM #4115. VERIFY EXACT LOCATION WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR TO PROVIDE 115 VAC (+/- 10%) POWER FOR THE CONTROLLER AND 2" CONDUIT TO NEAREST PLANTING AREA.

SDMH
Top = 313.97
Inv = 308.67

30" RCP Flared-End Section
Inv = 310.47

LEGEND:

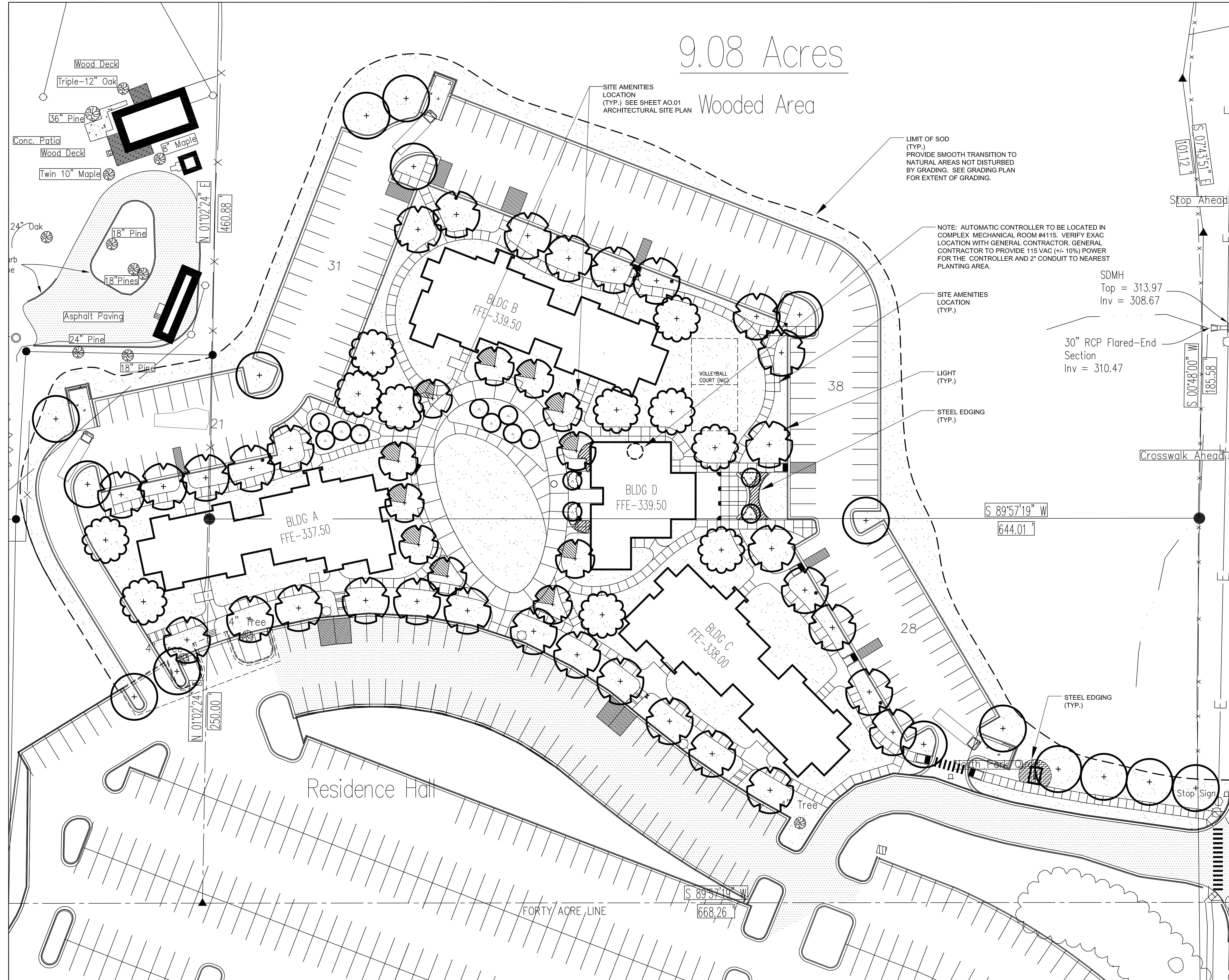
SYMBOL	PLANT SPECIES	QUANTITY
(Circle with cross)	WILLOW OAK 3" MIN. CAL.	16
(Circle with cross and dots)	RED SUNSET MAPLE 3" MIN. CAL.	31
(Circle with cross and horizontal lines)	CHINESE PISTACHE 3" MIN. CAL.	11
(Circle with cross and vertical lines)	TRIDENT RED MAPLE 2" MIN. CAL.	11
(Circle with cross and diagonal lines)	SAUCER MAGNOLIA 1 1/2" MIN. CAL.	13
(Square with diagonal lines)	HELLERI HOLLY MASS PLANTING 2'-0" O.C. (TYP.)	60
(Square with horizontal lines)	DWARF FOTHERGILLA MASS PLANTING 2'-0" O.C. (TYP.)	90
(Square with vertical lines)	PURPLE WINTERCREEPER MASS PLANTING 2'-0" O.C. (TYP.)	110
(Square with cross-hatch)	TIFWAY 419' BERMUDA SOD SOLID SOD	

NOTES:

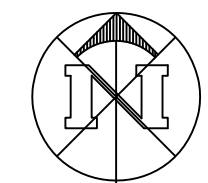
NOTE: ABOVE LISTED QUANTITIES ARE PROVIDED FOR ESTIMATING PURPOSES ONLY. ESTIMATED QUANTITIES OF MASS PLANTING AREAS ARE BASED ON DESIGNATED ON-CENTER SPACING PER SQUARE FOOTAGE. ALL MASS PLANTING BEDS SHALL BE FULL UPON COMPLETION OF LANDSCAPE INSTALLATION BASED ON THE ON-CENTER SPACING. THE NUMBER OF PLANT MATERIAL SYMBOLS (CIRCLES) SHOWN ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ESTIMATED QUANTITIES SHOWN ABOVE. CONFIRM ALL QUANTITIES.

NOTE: GENERAL CONTRACTOR SHALL PROVIDE SCHEDULE 40 PVC SLEEVING 6" OR 4". SLEEVING SHALL BE BURIED A MIN. 18" BELOW GRADE AND THE ENDS OF THE SLEEVES CLEARLY MARKED BY THE GENERAL CONTRACTOR AND SHALL EXTEND OUT A MIN. 18" PAST ANY CURB OR PAVING.

NOTE: AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL LANDSCAPE AREAS WITHIN SCOPE OF THE PROJECT.



LANDSCAPE PLAN
SCALE: 1" = 30'



TREANOR ARCHITECTS P.A.
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WD&D ARCHITECTS

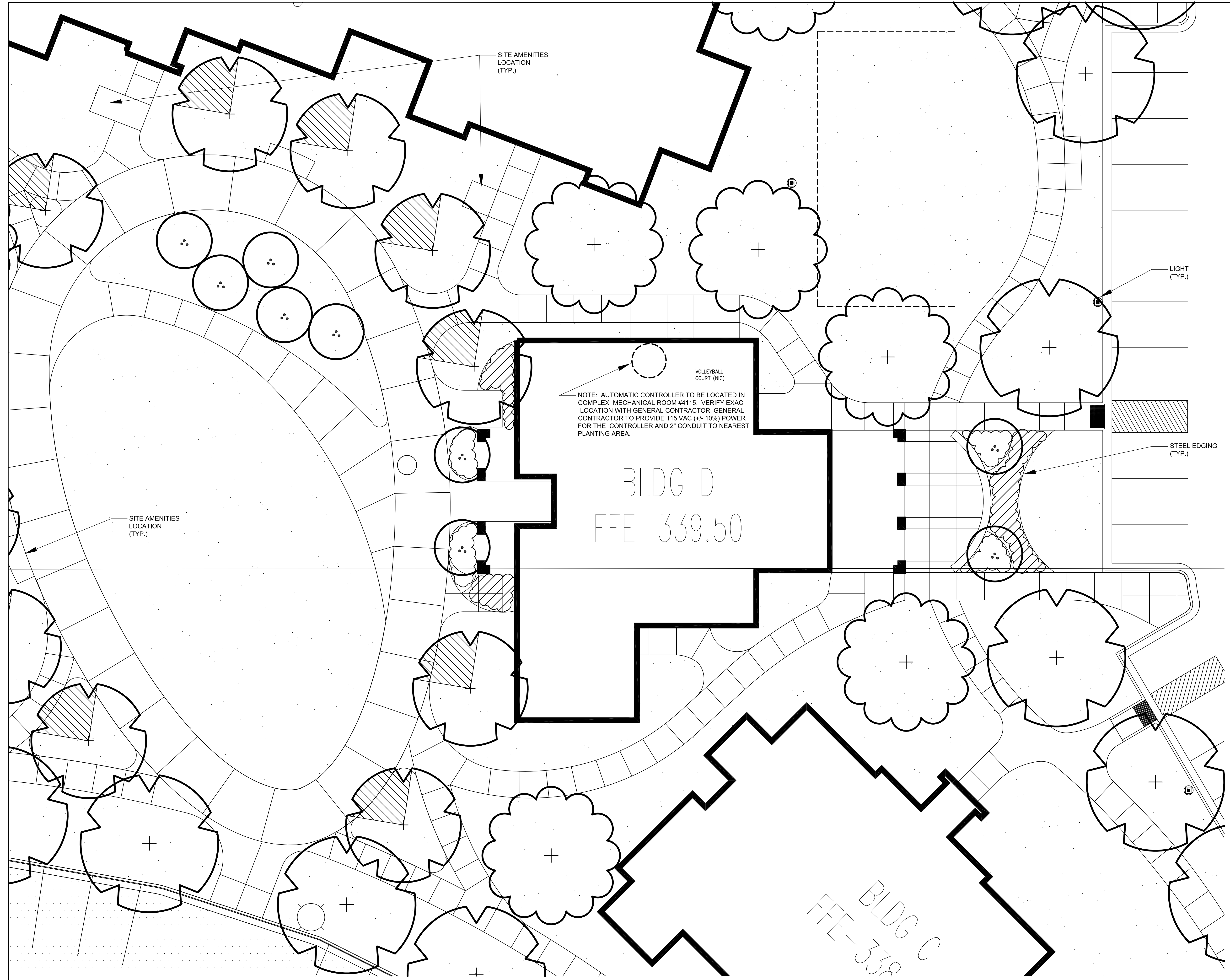
Wittenberg, Delony & Davidson Architects, Inc.
1602 W. Capital Avenue, Suite 1800
Little Rock, AR 72201

PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

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LANDSCAPE PLAN

SHEET	DATE	REVISIONS	JOB #
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WITTENBERG, G. DELONY DAVIDSON, INC.
REGISTERED LANDSCAPE ARCHITECT
STATE OF ARKANSAS



LEGEND:

- RED SUNSET MAPLE
3" MIN. CAL.
- CHINESE PISTACHE
3" MIN. CAL.
- TRIDENT RED MAPLE
2" MIN. CAL.
- SAUCER MAGNOLIA
1 1/2" MIN. CAL.
- HELLERI HOLLY
MASS PLANTING
2'-0" O.C. (TYP.)
- DWARF FOTHERGILLA
MASS PLANTING
2'-0" O.C. (TYP.)
- 'HYBRID 419' BERMUDA SOD
SOLID SOD

NOTES:

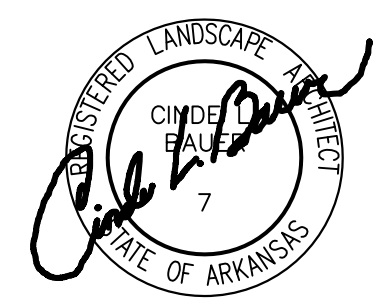
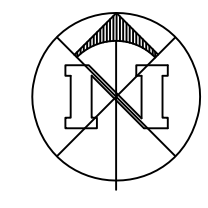
NOTE: ABOVE LISTED QUANTITIES ARE PROVIDED FOR ESTIMATING PURPOSES ONLY. ESTIMATED QUANTITIES OF MASS PLANTING ARE BASED ON DESIGNATED ON-CENTER SPACING PER SQUARE FOOTAGE. ALL MASS PLANTING BEDS SHALL BE FULL UPON COMPLETION OF LANDSCAPE INSTALLATION BASED ON THE ON-CENTER SPACING. THE NUMBER OF PLANT MATERIAL SYMBOLS (CIRCLES) SHOWN ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ESTIMATED QUANTITIES SHOWN ABOVE. CONFIRM ALL QUANTITIES.

NOTE: GENERAL CONTRACTOR SHALL PROVIDE SCHEDULE 40 PVC SLEEVING 6" OR 4". SLEEVING SHALL BE BURIED A MIN. 18" BELOW GRADE AND THE ENDS OF THE SLEEVES CLEARLY MARKED BY THE GENERAL CONTRACTOR AND SHALL EXTEND OUT A MIN. 18" PAST ANY CURB OR PAVING.

NOTE: AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL LANDSCAPE AREAS WITHIN SCOPE OF THE PROJECT.

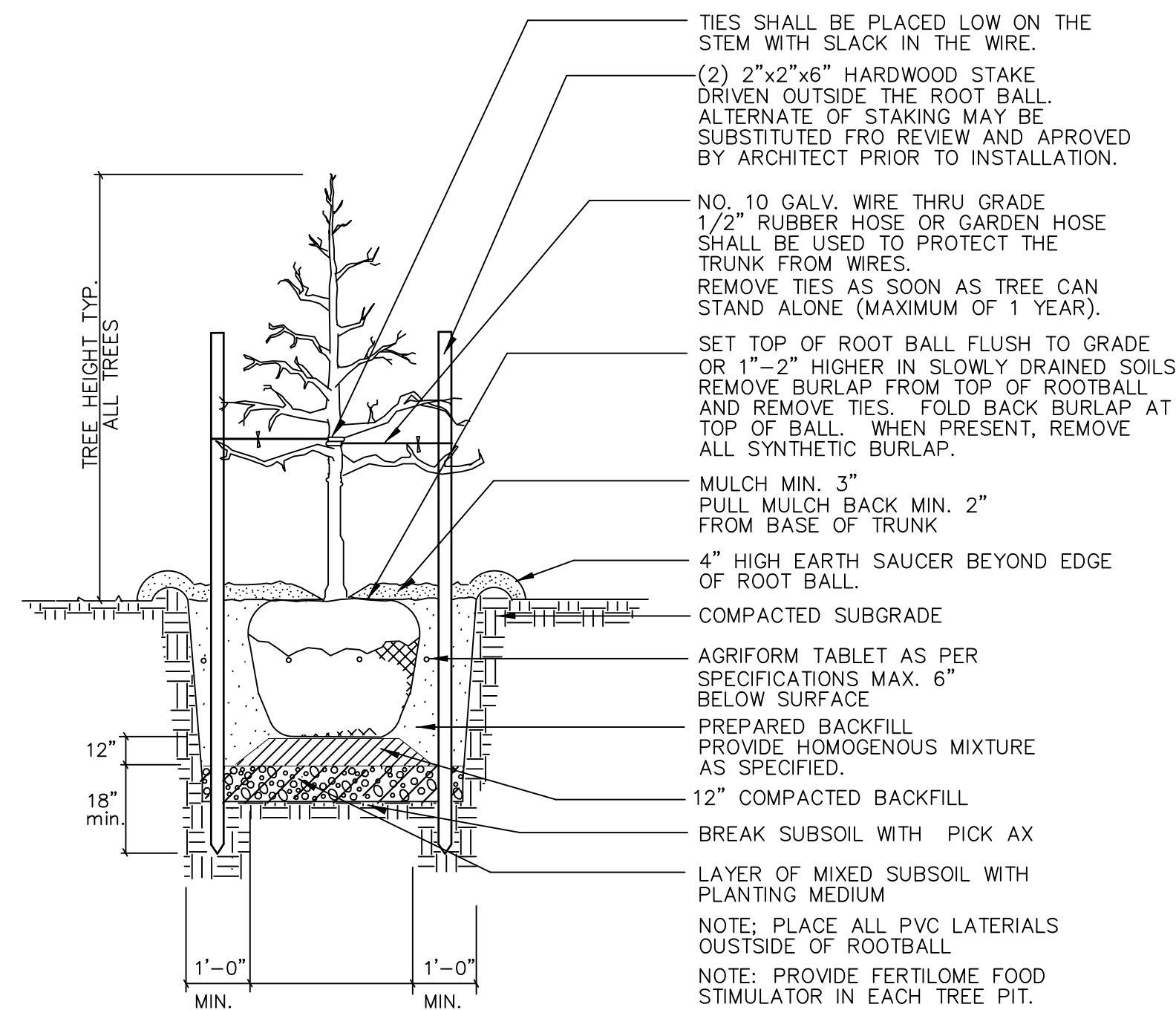
LANDSCAPE PLAN

SCALE: 1" = 10'



NOTE: EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.

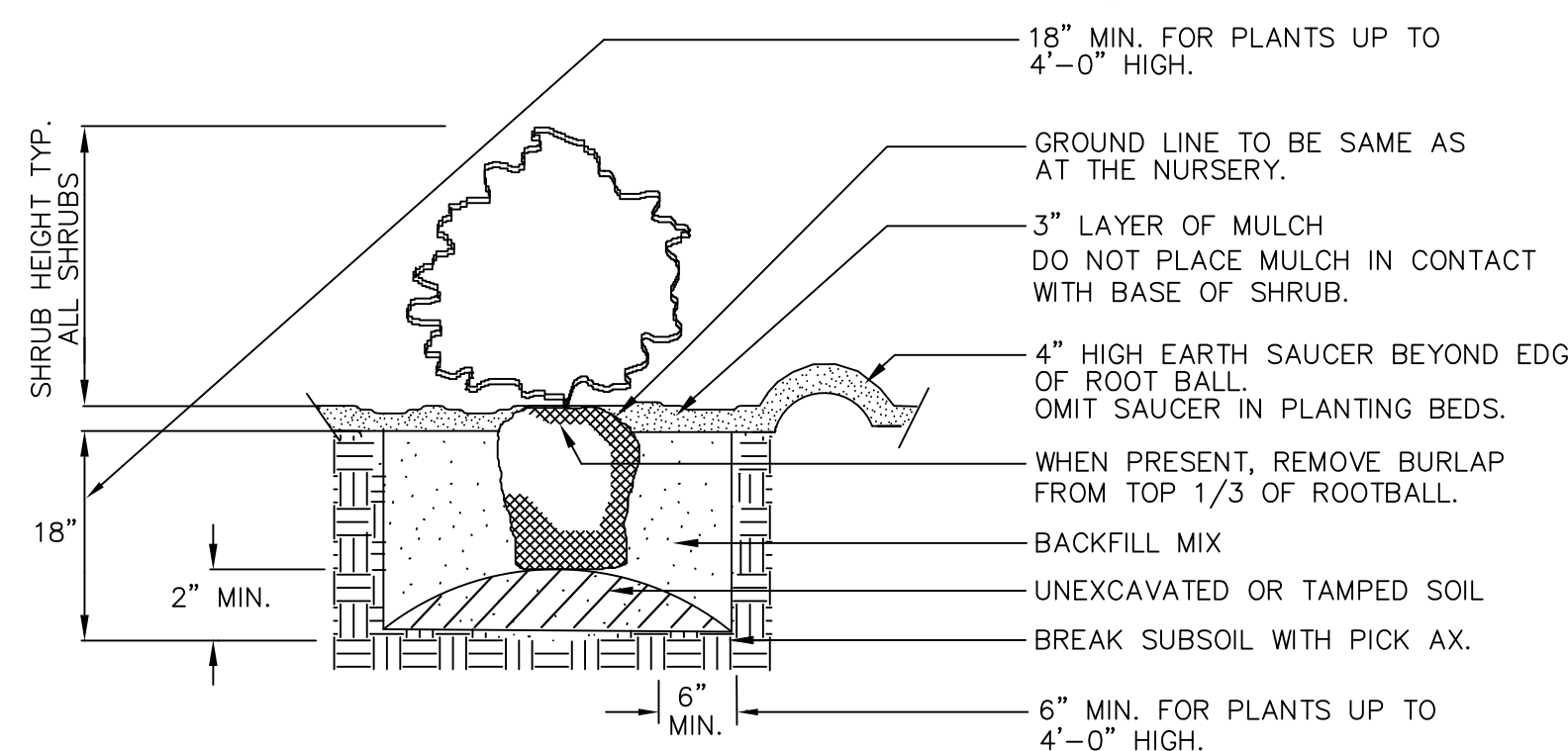
NOTE: PLANTS SHALL BE SET SLIGHTLY HIGHER THAN GRADE TO ALLOW FOR SETTLING & POSITIVE DRAINAGE.



1 TREE PLANTING / STAKING DETAIL
L0.03 No Scale

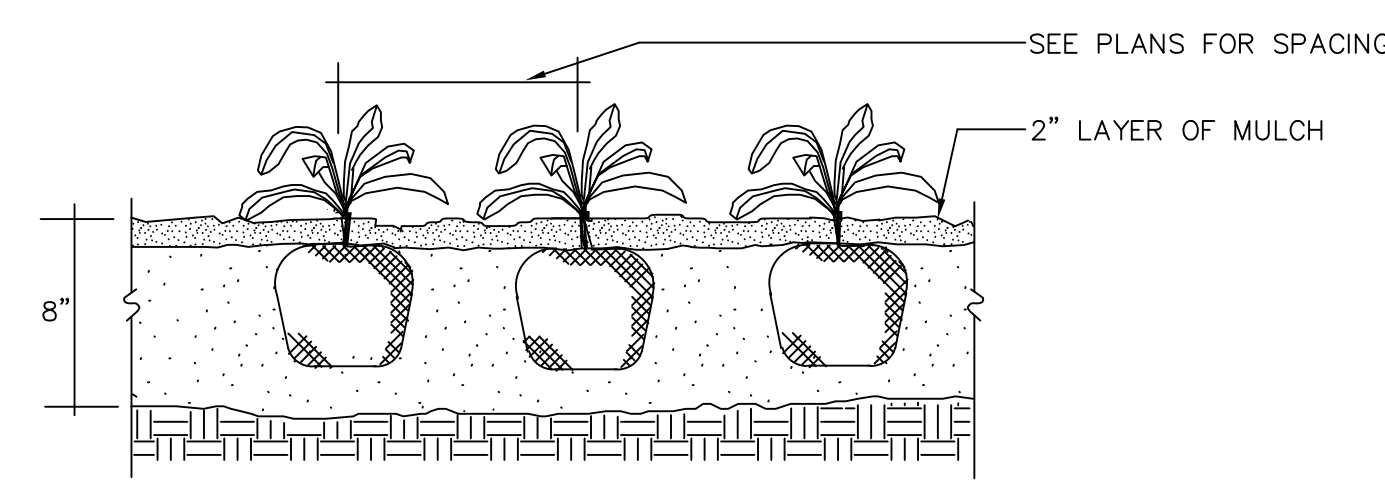
PROVIDE WEED CONTROL AND/OR FERTILIZER AS SPECIFIED. WEED CONTROL AND FERTILIZER MAY BE APPLIED AT A LATER DATE TO COMPLY WITH SEASONAL CONDITIONS AND THE GROWING PERIOD. PROVIDE AGRIFORM TABLETS AS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE HOMOGENOUS BACKFILL PLANTING MIXTURE AS SPECIFIED. PROVIDE FERTILIZING ROOT STIMULATOR OR APPROVED EQUAL IN PITS. APPLY BALAN PREEMERGENT WEED CONTROL OR APPROVED EQUAL TREATMENT ON ALL SHRUB AND GROUNDCOVER BEDS.

NOTE: IF SHRUB IS A B&B, THEN REMOVE BURLAP & ROPE FROM TOP 1/2 BALL.

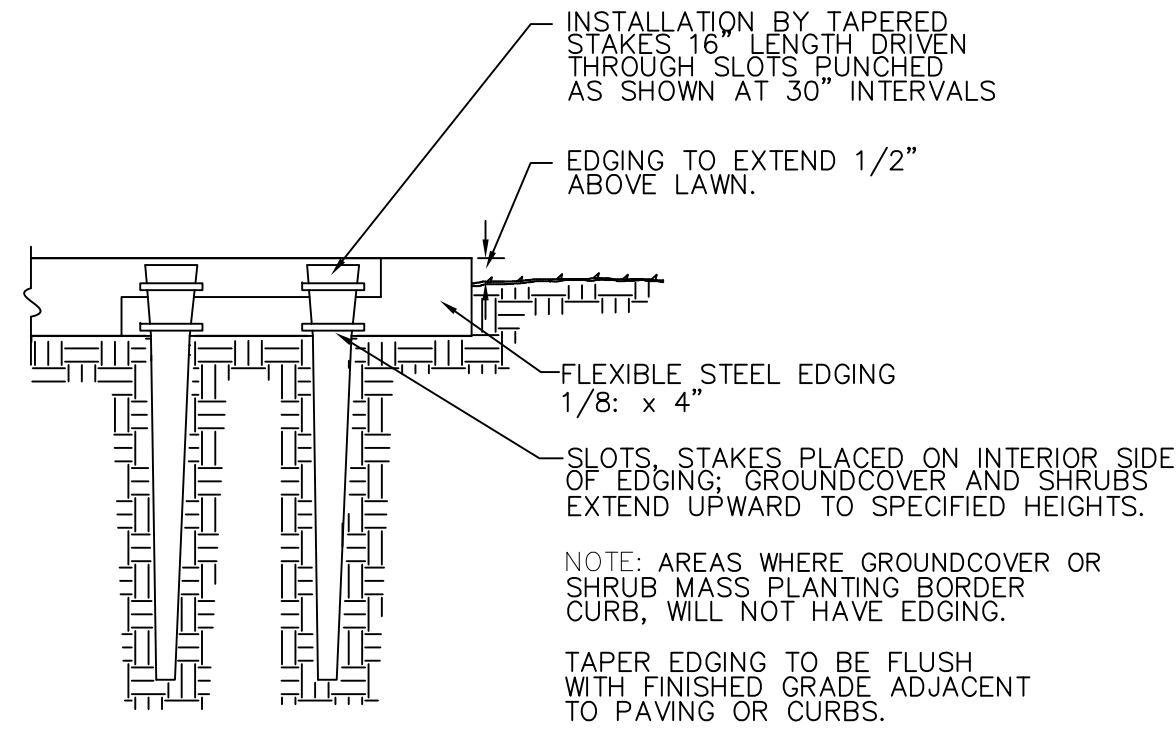


2 SHRUB PLANTING DETAIL
L0.03 No Scale

PROVIDE WEED CONTROL AND/OR FERTILIZER AS SPECIFIED. WEED CONTROL AND FERTILIZER MAY BE APPLIED AT A LATER DATE TO COMPLY WITH SEASONAL CONDITIONS AND THE GROWING PERIOD. PROVIDE AGRIFORM TABLETS AS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE HOMOGENOUS BACKFILL PLANTING MIXTURE AS SPECIFIED. PROVIDE FERTILIZING ROOT STIMULATOR OR APPROVED EQUAL IN PITS. APPLY BALAN PREEMERGENT WEED CONTROL OR APPROVED EQUAL TREATMENT ON ALL SHRUB AND GROUNDCOVER BEDS.



3 GROUNDCOVER PLANTING DETAIL
L0.03 No Scale



4 STEEL EDGING DETAIL
L0.03 No Scale

ARKANSAS STATE UNIVERSITY
STUDENT HOUSING
JONESBORO, ARKANSAS

ITEM SIZE & DESCRIPTION

- Trees/Shade**
- 1. Willow Oak
Quercus phellos
Height min. 14'-16"; 3"-3 1/2" caliper; spread 4'-5'; trees well branched, well balanced all sides; trees to have strong central leaders; 100 gal. containerized.
 - 2. Red Sunset Red Maple
Acer rubrum
'Red Sunset'
Height min. 12'-14"; desired height: 3"-3 1/2" caliper; spread 5'-6'; trees well branched, well balanced all sides; trees well matched; 100 gal. containerized.
 - 3. Chinese Pistache
Pistacia chinensis
Height min. 14'-16"; 3"-3 1/2" caliper; full, well branched form; min. spread 4'-5'; strong central leader; B&B.
 - 4. Trident Maple
Acer buergerianum
Height min. 10'-12"; 2"-2 1/2" caliper; spread 5'-6'; trees well branched, well balanced all sides; trees well matched; strong central leader; B&B.

- Trees/Ornamental**
- 5. Saucer Magnolia
Magnolia x soulangiana
'Rubra'
Height 7'-8"; 1 1/2" - 2" min. caliper; well branched, well balanced all sides; min. spread 4'-5"; B&B.
- Shrubs/Evergreen**
- 6. Heller Japanese Holly
Ilex crenata
'Heller'
Height min. 10"-12"; spread 15"-18"; well branched, well balanced from; 3 gal.

- Shrubs/Deciduous**
- 7. Dwarf Fothergilla
Fothergilla gardenii
Height min. 18"-22"; spread 15"-18"; full form; 3 gal.

- Groundcover**
- 8. Purpleleaf Wintercreeper
Euonymus fortunei
'Colorata'
Spread 10"-12"; full mass; well rooted; 1 gal.

- Turf**
- 9. 'Tifway 419' Bermuda
Cynodon dactylon
'Tifway 419'
Solid Sod
Solid sod, free of weeds, debris, insects and other grasses.

*Note: Upon approval of a bid, submit pictures of representative samples to the Architect for review. Approval of submittals does not preclude rejection on site after planting of materials not meeting the specifications.

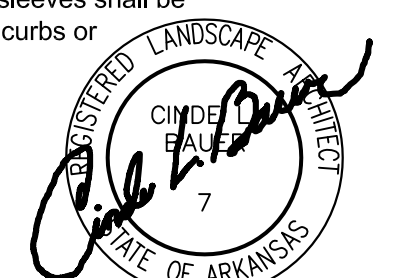
*Note: Plant acceptance for shrubs shall be based on meeting the size specification rather than the container size. The container size specified is the minimum size acceptable.

*Note: All plant material used shall comply with the latest amended edition of the 'American Standards for Nursery Stock'.

Note: Caliper of trees to be measured 12" above grade at installation.

ARKANSAS STATE UNIVERSITY
STUDENT HOUSING
JONESBORO, ARKANSAS

- 1. Provide 4" x 1/8" steel landscape edging with stakes between all turf areas and ground cover or shrub beds. No edging shall be installed between the different types of shrub material. Taper-off or pound down corner of steel edging.
- 2. Provide a 3" minimum depth of shredded hardwood mulch in all mass planting beds. Finished grades of the mulch shall be 1/2" below the finished grade of adjacent paving or edging. Submit a sample of the mulch for approval by the Owner and/or Architect.
- 3. Stake the location of all trees and mass planting areas and obtain approval of the General Contractor and Architect prior to installation. Provide smooth freiform curves for all mass planting areas. Tree locations may be adjusted based on the exterior light standard locations and signage.
- 4. Coordinate the installation of the landscape with the installation of the site lighting. Minor adjustments in the field may be made as required to position the trees between the pole lights. Coordinate the final light locations with the Architect.
- 5. Review the utility plans prior to installing the plant materials. Do not install trees or shrubs over underground drainage structures or utilities. Make minor adjustments in tree locations if necessary. Coordinate revised locations with the Architect and General Contractor.
- 6. Adjust trees in parking islands as needed to avoid interference with overhead pole lights. Contact Architect if any proposed trees are in conflict with any utilities, light poles, signage or site drainage items prior to installation.
- 7. Prior to landscape installation, review the subsurface drainage conditions. Install materials "high" if necessary, due to subsurface conditions. Contact the Architect if existing conditions might jeopardize the plant materials' livability. Provide positive drainage of the subgrade in all turf areas and mass planting areas.
- 8. Provide positive drainage away from the buildings in all areas and provide smooth, continuous grades. Provide positive drainage away from air conditioning pads as applicable.
- 9. Refer to site plan for locations of splash blocks around buildings. Maintain Positive drainage away from building to allow drainage from splash blocks.
- 10. All solid sod shall be 'Tifway 419' Bermuda. Provide positive drainage in all turf areas. Solid sod to be laid on a smooth uniform grade with all joints tight and even. Pin sod on slope areas greater than 3:1.
- 11. Contractor shall calculate all square footage of sod and hydroseed areas.
- 12. Re-sod any areas disturbed along property line or edge of scope of work. Coordinate work with General Contractor. Provide smooth transition to existing grades not within scope of work.
- 13. Trees shall be selected with forms adaptable to placement adjacent to sidewalks and/or vehicular use areas. Trees shall have forms and clear trunks adaptable to future pruning for pedestrian and vehicular clearance.
- 14. Provide a minimum 3'-0" diameter mulch ring with a 4" saucer for all trees located in turf areas. Provide 3" depth of mulch inside the saucers. Review subsurface drainage conditions. Install trees "high" if necessary due to subsurface conditions.
- 15. Refer to the Drawings for the plantings of Helleri Holly and Dwarf Fothergilla. Set the shrubs in mass plantings 2'-0" on center, staggered rows, unless otherwise noted. Provide consistent spacing in the mass plantings. Define the outside edges of any curved mass plantings and work inward. Set the first row of shrubs in 18" from any edging or paving.
- 16. Refer to the Drawings for the plantings of Purple Wintercreeper. Set the groundcover in mass plantings 18" on center, staggered rows, unless otherwise noted. Provide consistent spacing in the mass plantings. Set the first row of groundcover in 12" from any edging or paving or other shrub mass.
- 17. All container grown material shall be thoroughly hand watered upon arrival, while in the containers, before planting. Protect the tree trunks at all times during the removal from delivery trailer.
- 18. Prune any trees as requested by the Architect, General Contractor or Owner.
- 19. Exterior shrubs and groundcover quantities shown on this plan are the minimum required quantities. The Landscape Contractor is responsible to verify quantities indicated on the plans. All exterior mass shrub planting areas and groundcover beds are to be full with material equally spaced at the designated on center spacing, at times of planting. Beds which are not full at the time of planting based on the designated spacing, shall have additional material added at no expense to the Owner. Additional materials shall be added prior to the completion date.
- 20. Provide tree protection fencing for trees designated to be preserved.
- 21. Verify the location of the automatic controller in Complex Mechanical Room #4115. The General Contractor shall provide 115 VAC (+/- 10%) power for the controller and 2" Conduit from the designated location out to the planting area. Provide controller with hinged cover and lock. Verify exact location with General Contractor and Architect.
- 22. Coordinate the installation of the sprinkler meter. Verify the location of the sprinkler meter. Set a reduced pressure backflow preventor, installed according to Municipal Water Works rules and regulations.
- 23. The General Contractor shall provide a 1 1/2" water meter in the exterior location noted, a 2" service line from the meter into the building, a 1 1/2" Backflow Preventer (inside building in Complex Room #4115) in the location noted and a 2" gate valve (outside building) to be considered the Point-of-Connection for the irrigation system. All materials, operations and installation shall be done in strict accordance with all applicable codes, ordinances and regulations.
- 24. The Irrigation Contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent over spray onto walks, roadways and/or buildings as much as possible. This shall include selecting the best degree of arc to fit the existing site conditions and to throttle the flow control at each valve to obtain the optimum operating pressure for each system.
- 25. It is the responsibility of the Irrigation Contractor to familiarize himself with all grades differences, location of walls, retaining walls, etc. He shall coordinate his work with the General Contractor and other Subcontractors for the location and the installation of pipe sleeves through walls, under roadways, paving, structures, etc.
- 26. Do not willfully install the sprinkler system as shown on the drawings when it is obvious in the field that obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Owner's authorized representative. In the event that this notification is not performed, the Irrigation Contractor shall assume full responsibility for any revisions necessary.
- 27. The General Contractor shall provide Schedule 40 PVC sleeving, 4" or 6" size, buried at an 18" depth as access for the sprinkler system. The ends of the sleeves shall be clearly marked by the General Contractor and shall extend out 18" past the curbs or paving.



PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

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LANDSCAPE DETAIL SHEET

WITTENBERG, G. DELONY, DAVIDSON, INC.	REVISIONS	DATE	JOB #
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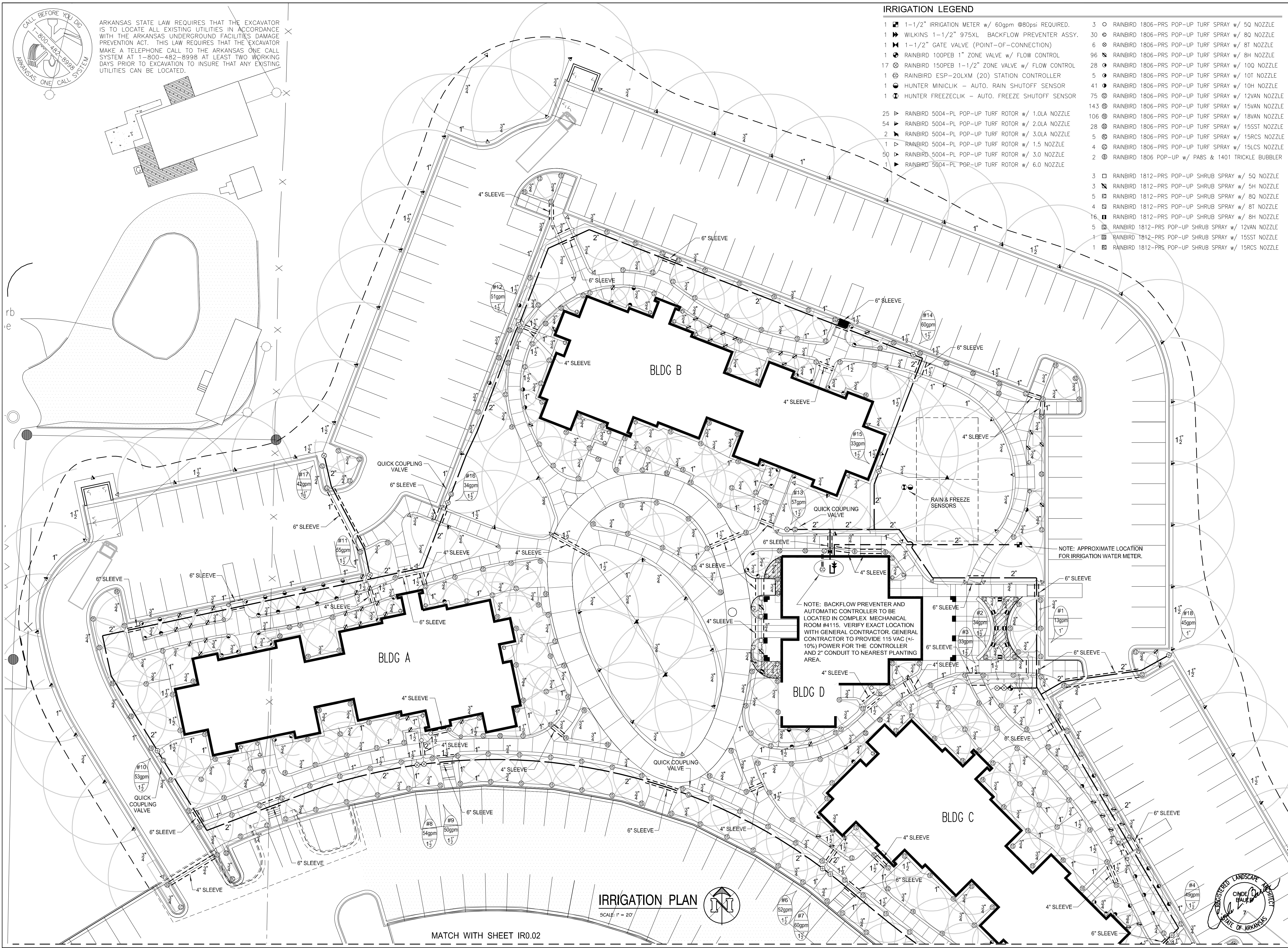
L0.03



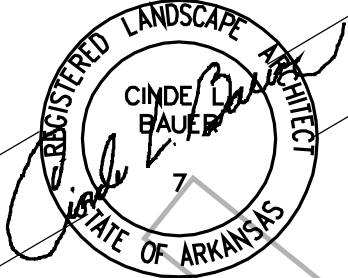
ARKANSAS STATE LAW REQUIRES THAT THE EXCAVATOR IS TO LOCATE ALL EXISTING UTILITIES IN ACCORDANCE WITH THE ARKANSAS UNDERGROUND FACILITIES DAMAGE PREVENTION ACT. THIS LAW REQUIRES THAT THE EXCAVATOR MAKE A TELEPHONE CALL TO THE ARKANSAS ONE CALL SYSTEM AT 1-800-482-8998 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION TO INSURE THAT ANY EXISTING UTILITIES CAN BE LOCATED.

IRRIGATION LEGEND

- 1 1-1/2" IRRIGATION METER w/ 60gpm @80psi REQUIRED.
- 1 WILKINS 1-1/2" 975XL BACKFLOW PREVENTER ASSY.
- 1 1-1/2" GATE VALVE (POINT-OF-CONNECTION)
- 1 RAINBIRD 100PEB 1" ZONE VALVE w/ FLOW CONTROL
- 17 RAINBIRD 150PEB 1-1/2" ZONE VALVE w/ FLOW CONTROL
- 1 RAINBIRD ESP-20LXM (20) STATION CONTROLLER
- 1 HUNTER MINICLIK - AUTO. RAIN SHUTOFF SENSOR
- 1 HUNTER FREEZECLIK - AUTO. FREEZE SHUTOFF SENSOR
- 25 RAINBIRD 5004-PL POP-UP TURF ROTOR w/ 1.0LA NOZZLE
- 54 RAINBIRD 5004-PL POP-UP TURF ROTOR w/ 2.0LA NOZZLE
- 2 RAINBIRD 5004-PL POP-UP TURF ROTOR w/ 3.0LA NOZZLE
- 1 RAINBIRD 5004-PL POP-UP TURF ROTOR w/ 1.5 NOZZLE
- 50 RAINBIRD 5004-PL POP-UP TURF ROTOR w/ 3.0 NOZZLE
- 1 RAINBIRD 5004-PL POP-UP TURF ROTOR w/ 6.0 NOZZLE
- 3 RAINBIRD 1812-PRS POP-UP SHRUB SPRAY w/ 5Q NOZZLE
- 3 RAINBIRD 1812-PRS POP-UP SHRUB SPRAY w/ 5H NOZZLE
- 5 RAINBIRD 1812-PRS POP-UP SHRUB SPRAY w/ 8Q NOZZLE
- 4 RAINBIRD 1812-PRS POP-UP SHRUB SPRAY w/ 8T NOZZLE
- 16 RAINBIRD 1812-PRS POP-UP SHRUB SPRAY w/ 8H NOZZLE
- 5 RAINBIRD 1812-PRS POP-UP SHRUB SPRAY w/ 12VAN NOZZLE
- 1 RAINBIRD 1812-PRS POP-UP SHRUB SPRAY w/ 15SST NOZZLE
- 1 RAINBIRD 1812-PRS POP-UP SHRUB SPRAY w/ 15RCS NOZZLE
- 30 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 8Q NOZZLE
- 6 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 8T NOZZLE
- 96 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 8H NOZZLE
- 28 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 10Q NOZZLE
- 5 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 10T NOZZLE
- 41 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 10H NOZZLE
- 75 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 12VAN NOZZLE
- 143 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 15VAN NOZZLE
- 106 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 18VAN NOZZLE
- 28 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 15SST NOZZLE
- 5 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 15RCS NOZZLE
- 4 RAINBIRD 1806-PRS POP-UP TURF SPRAY w/ 15LCS NOZZLE
- 2 RAINBIRD 1806 POP-UP w/ P&S & 1401 TRICKLE BUBBLER



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GENERAL NOTES

1. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S CURRENT SPECIFICATIONS AND RECOMMENDATIONS.
2. CONTRACTOR SHALL CAREFULLY VERIFY A MINIMUM DYNAMIC WATER PRESSURE OF 80psi WITH A FLOW RATE OF 60gpm AT THE WATER METER LOCATION PRIOR TO INSTALLATION. CONTRACTOR SHALL NOTIFY ARCHITECT IF WATER PRESSURE IS LESS THAN OR SIGNIFICANTLY HIGHER THAN NOTED.
3. BACKFLOW PREVENTER, CONTROLLER AND CLIMATE SENSORS WITH THE ARCHITECT AND C
- 4.

GOING AROUND THE TREE RATHER THAN UNDER IT. IF TRENCHING MUST OCCUR UNDER THE DRIPLINE, USE EITHER TUNNELING OR HAND-DIGGING METHODS RATHER THAN A MECHANICAL TRENCHER. MINIMIZE THE IMPACTS OF ROOT SEVERING BY AVOIDING CONSTRUCTION DURING HOT, DRY WEATHER, KEEPING TREES WELL WATERED BEFORE AND AFTER DIGGING AND COVERING

CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED TO ALL UTILITIES (BOTH OVERHEAD AND BELOW GROUND) DURING THE IRRIGATION INSTALLATION. CONTRACTOR SHALL SEEK THE ASSISTANCE AT LOCAL UTILITIES AND THE OWNER IN THE LOCATION OF THE UTILITIES PRIOR TO PERFORMING TRENCHING OPERATIONS IN THE WORKING AREA.

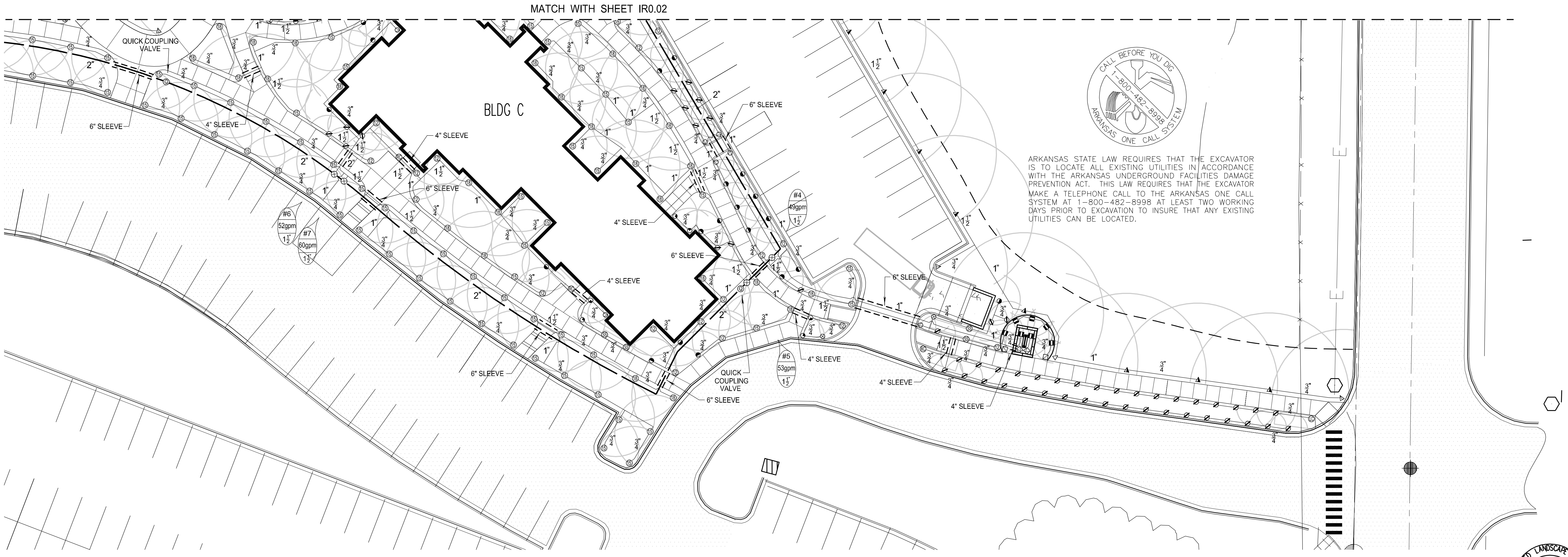
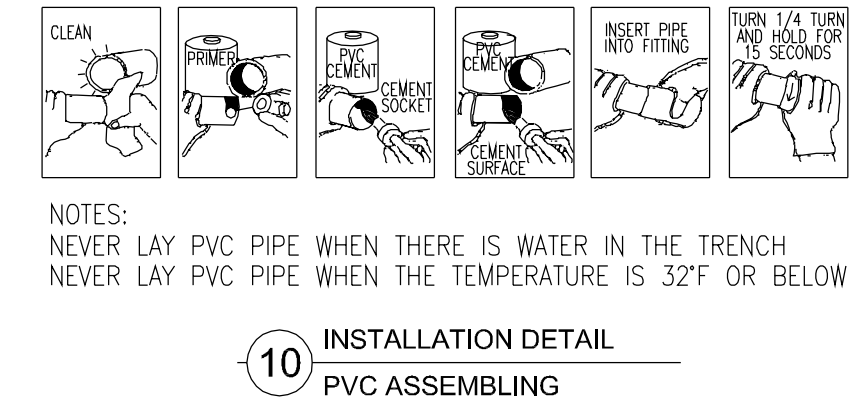
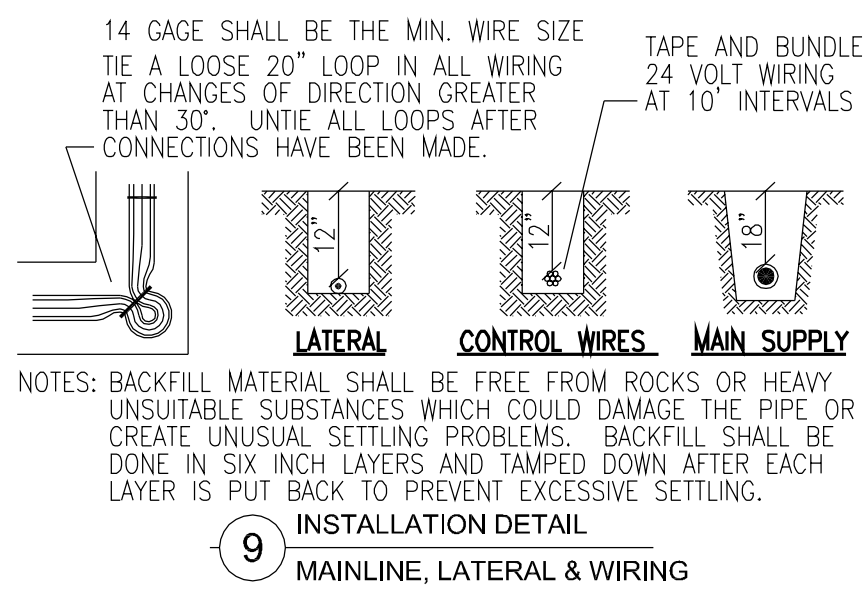
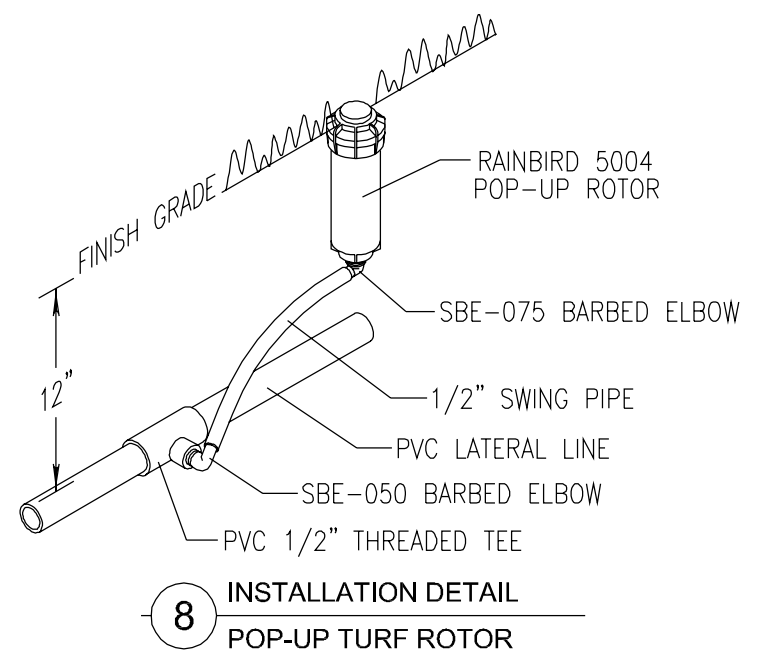
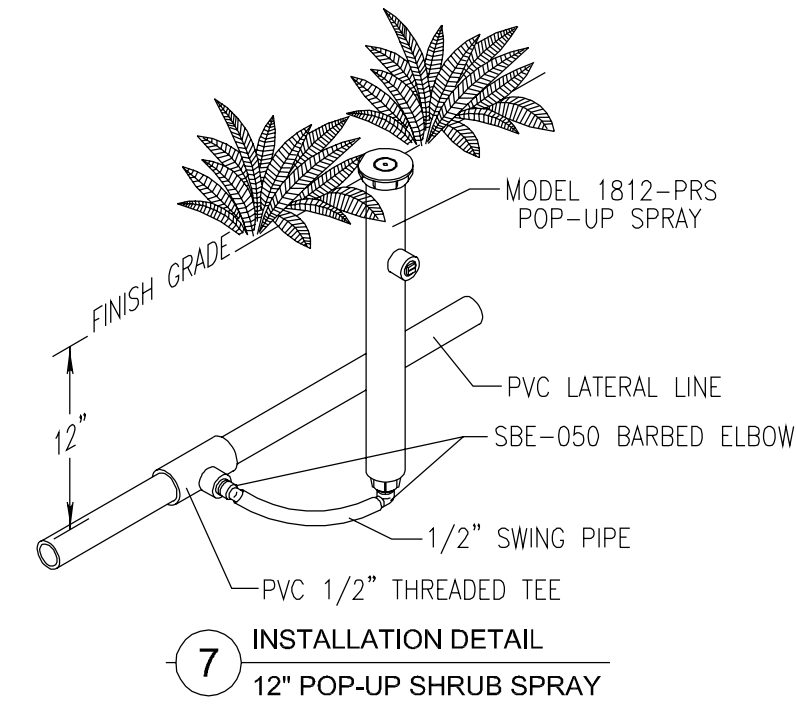
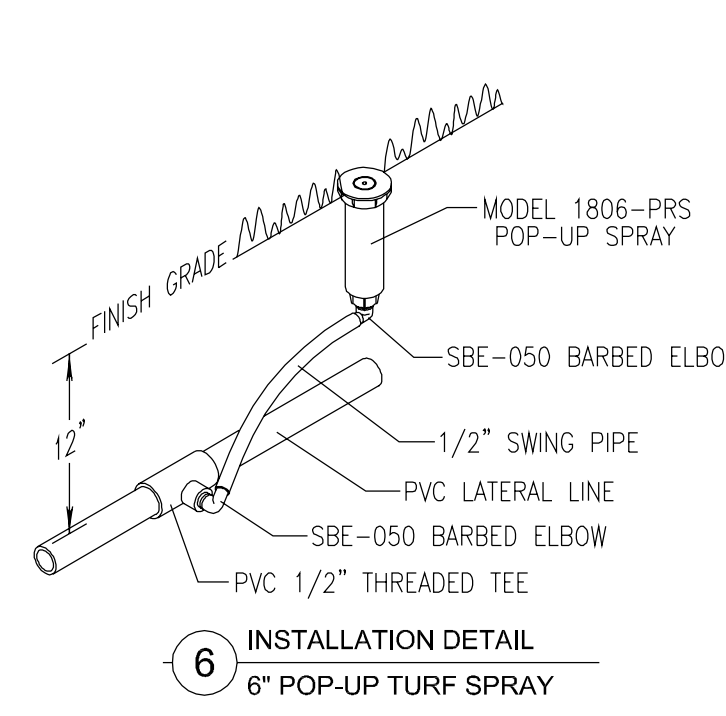
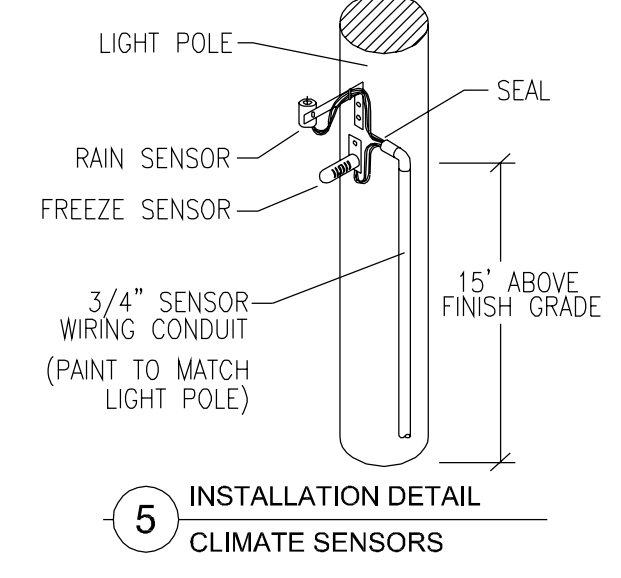
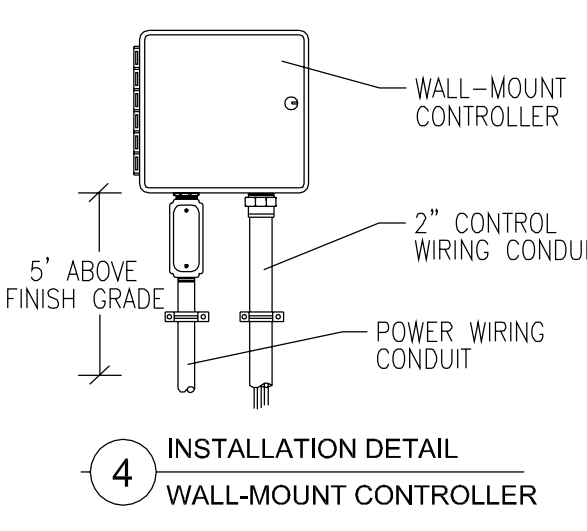
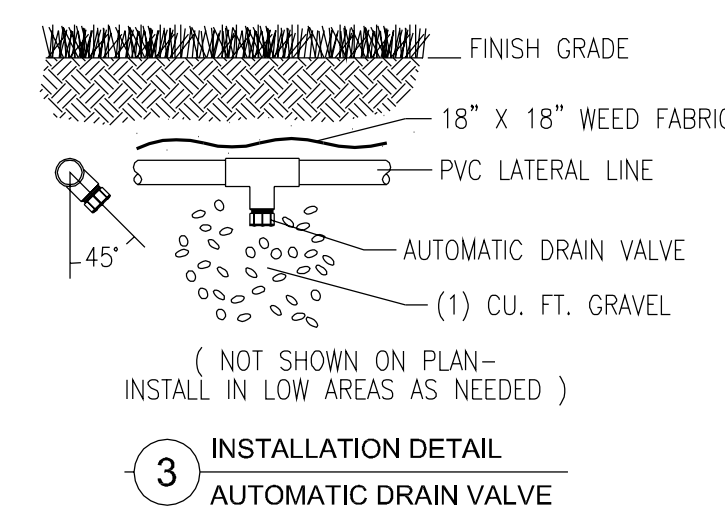
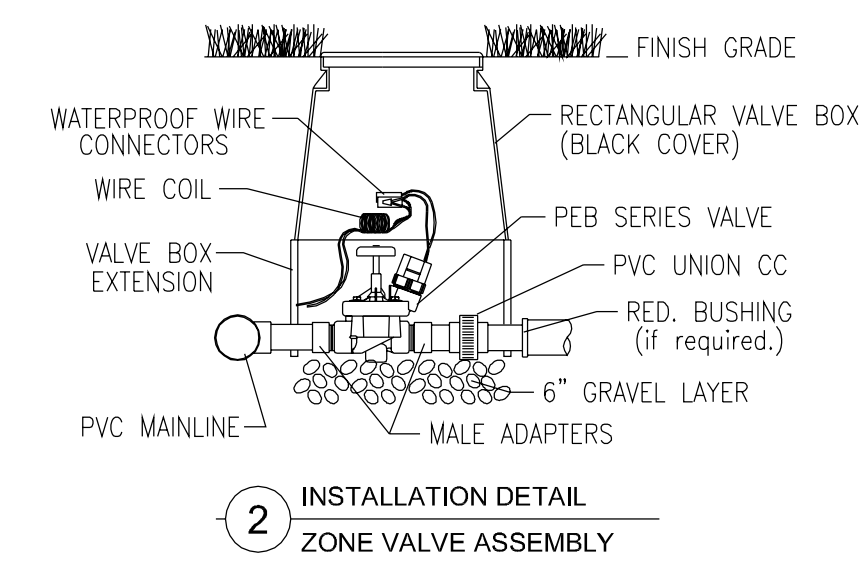
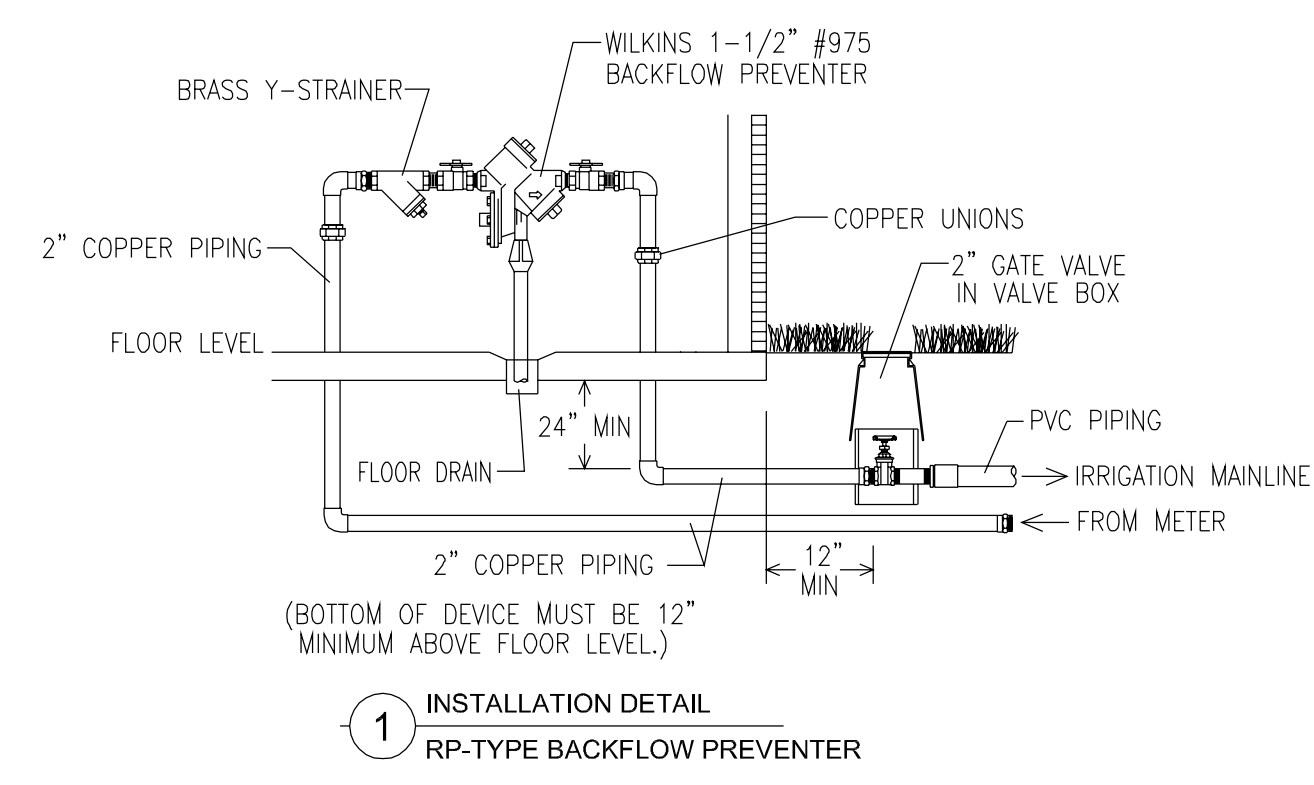
THE IRRIGATION DESIGN IS DIAGRAMMATIC. THE INTENT OF THE DRAWINGS IS TO SHOW THE GENERAL LAYOUT AND LOGIC OF THE SYSTEM. SCALED MEASUREMENTS MAY NOT BE ACCURATE. ACTUAL LOCATIONS AND QUANTITIES OF PIPE AND FITTINGS MAY VARY DUE TO FIELD ADJUSTMENTS FOR EXISTING CONDITIONS AND OTHER OBSTRUCTIONS TO PROVIDE THE PROPER AND INTENDED COVERAGE.

WINTERIZATION SHALL BE DONE BY "AIR BLOW OUT" METHOD.

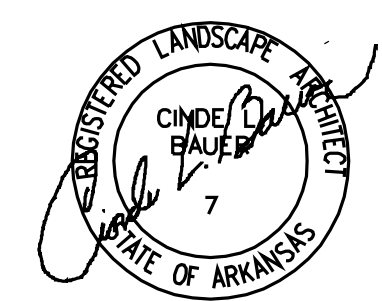
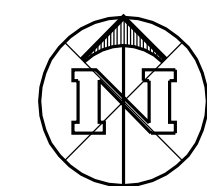
ALL PVC FITTINGS SHALL BE SCH40 PVC TYPE 1 AND MUST BE OF DOMESTIC MANUFACTURE. PVC SOLVENT CEMENT AND PRIMER SHALL BE AS RECOMMENDED / APPROVED BY THE MANUFACTURER OF THE PIPE.

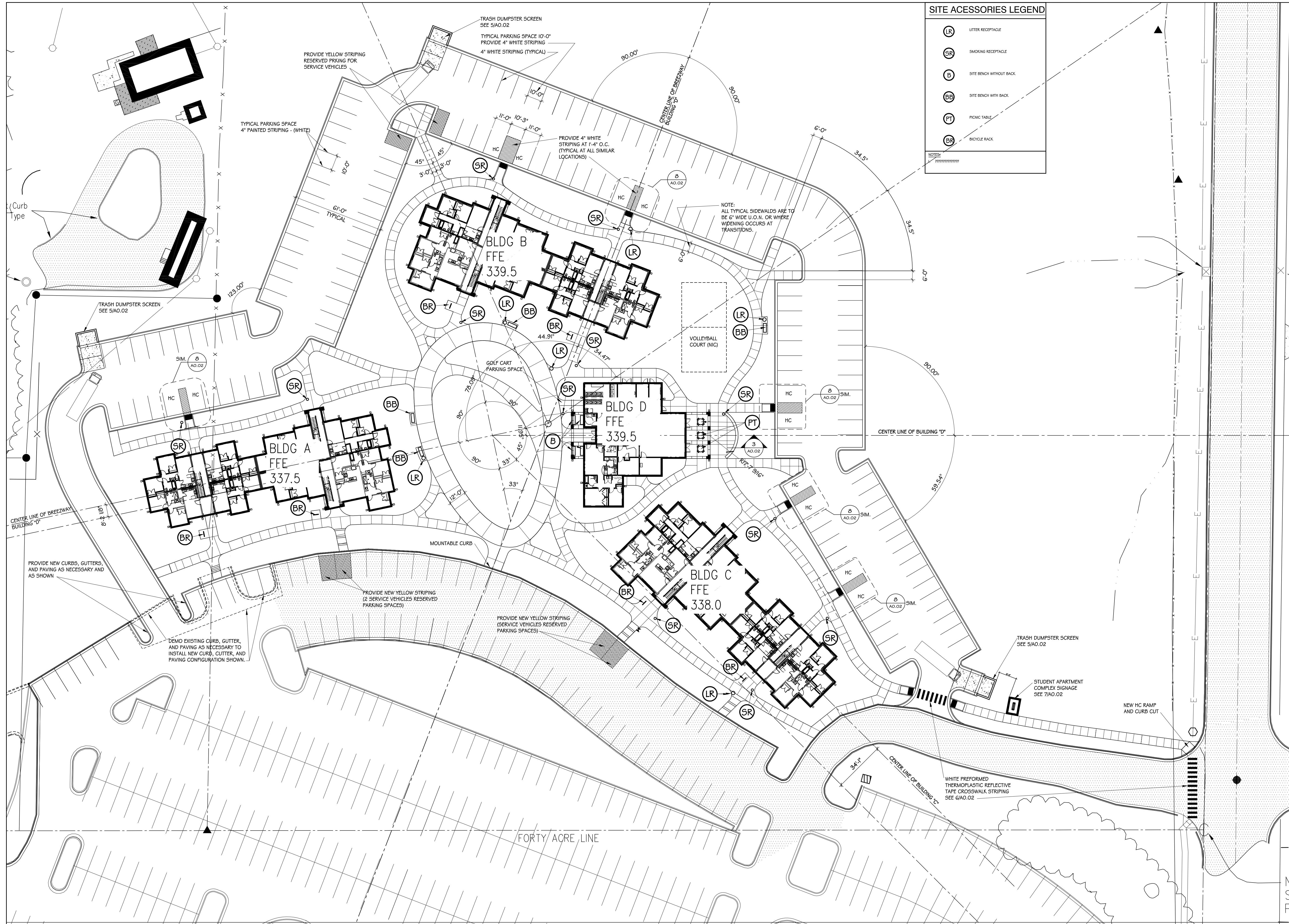
SLEEVING NOTES

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF SCHEDULE 40 PVC SLEEVES AS INDICATED ON THE DRAWING. INSTALL FLOWLINE OF SLEEVES 18" BELOW TOP OF PAVEMENT. EXTEND SLEEVES 18" BEYOND BACK OF CURB AND CAP UNTIL CONTRACTOR IS READY TO BEGIN THE INSTALLATION OF SPRINKLER SYSTEM. STAKE LOCATION OF SLEEVE ENDS WITH PAINTED BLUE T-POSTS 6" FROM ENDS OF SLEEVE AND EXTENDING 36" ABOVE FINISH GRADE.



IRRIGATION PLAN
SCALE: 1" = 20'

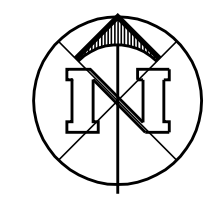




SITE ACCESSORIES LEGEND

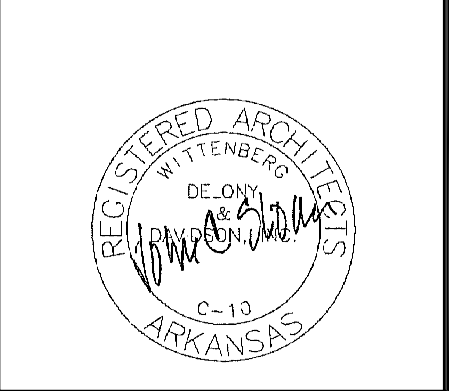
LR	LITTER RECEPTACLE
SR	SMOKING RECEPTACLE
B	SITE BENCH WITHOUT BACK
BB	SITE BENCH WITH BACK
PT	PICNIC TABLE
BR	BICYCLE RACK

SITE PLAN
SCALE: 1" = 30'



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WD&D ARCHITECTS

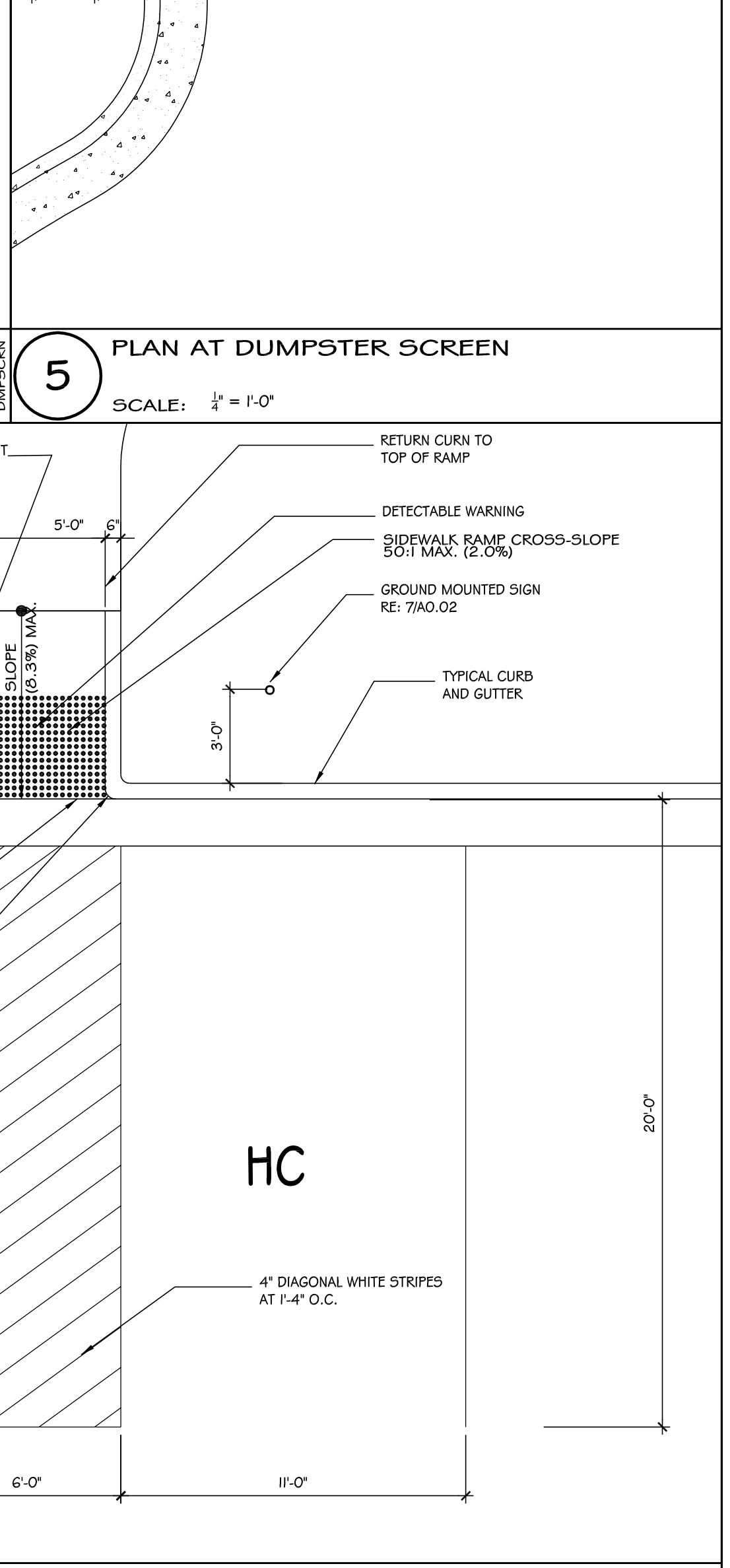
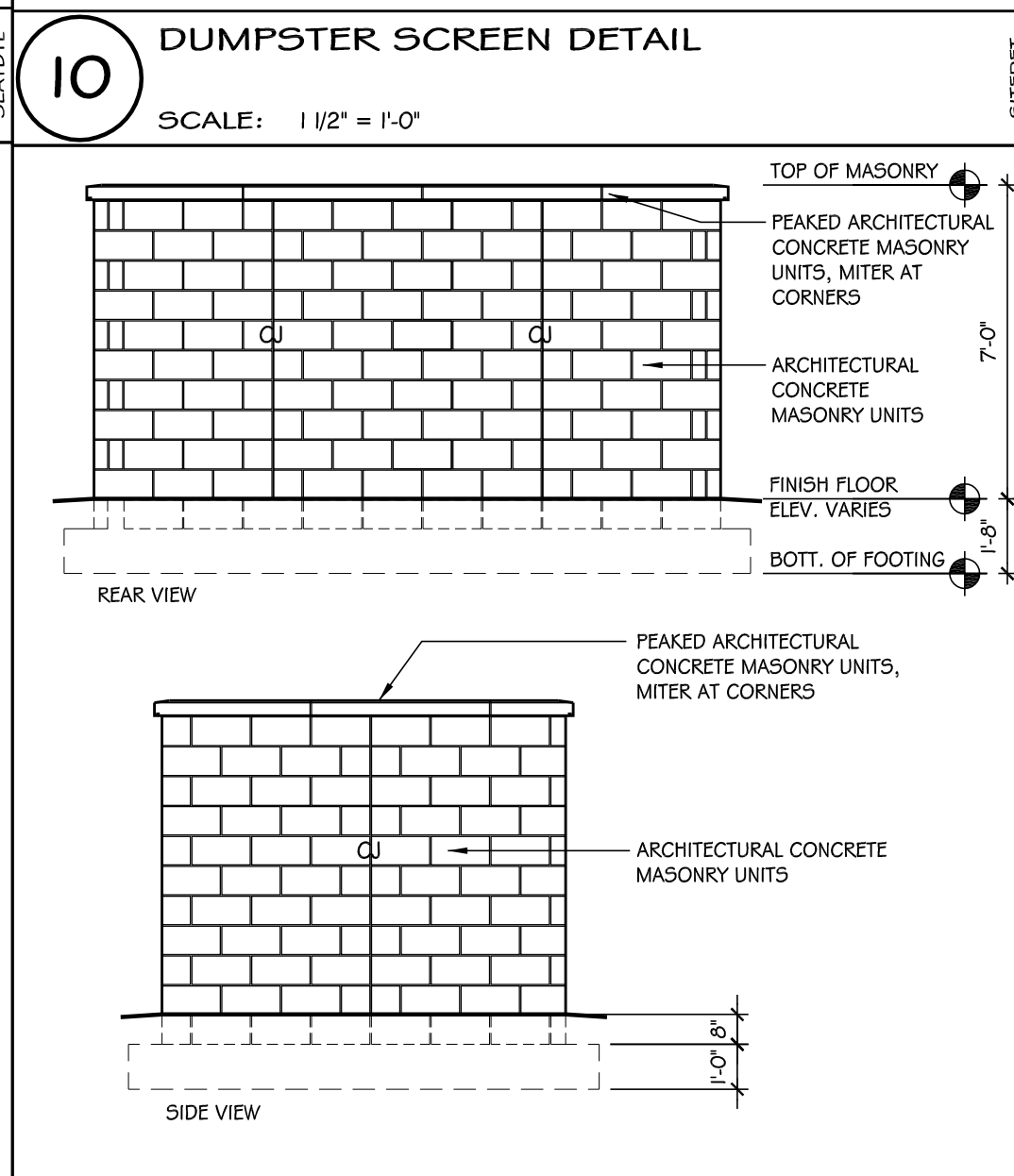
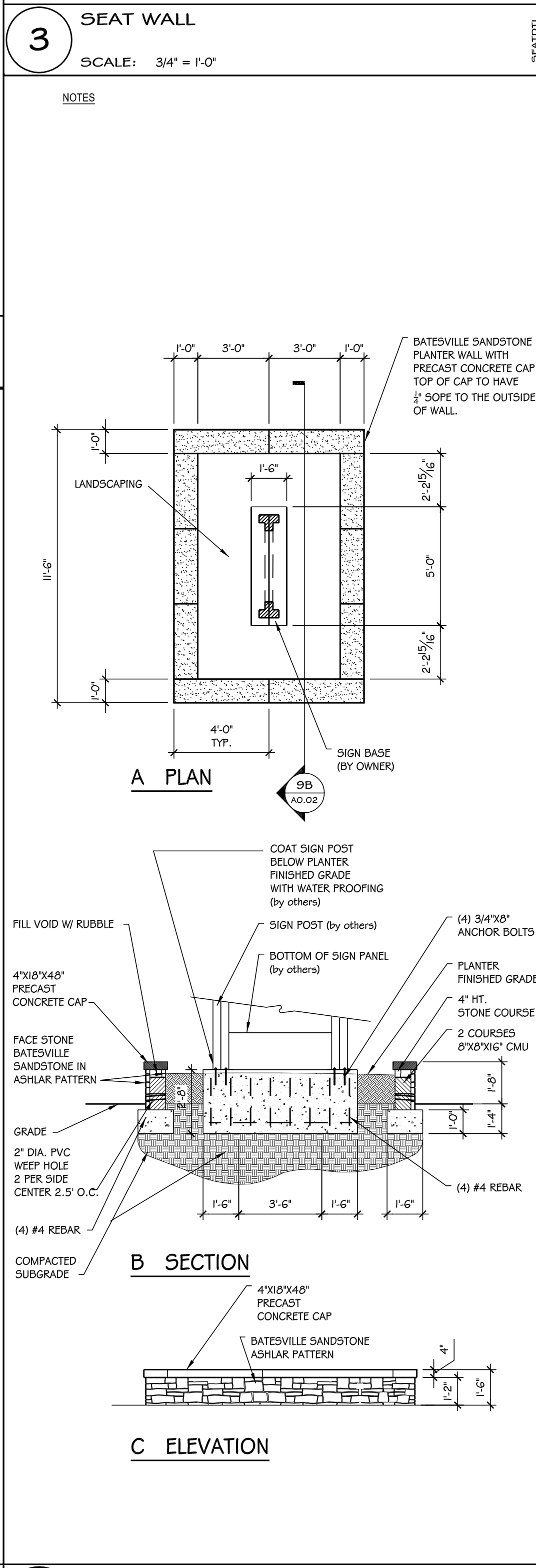
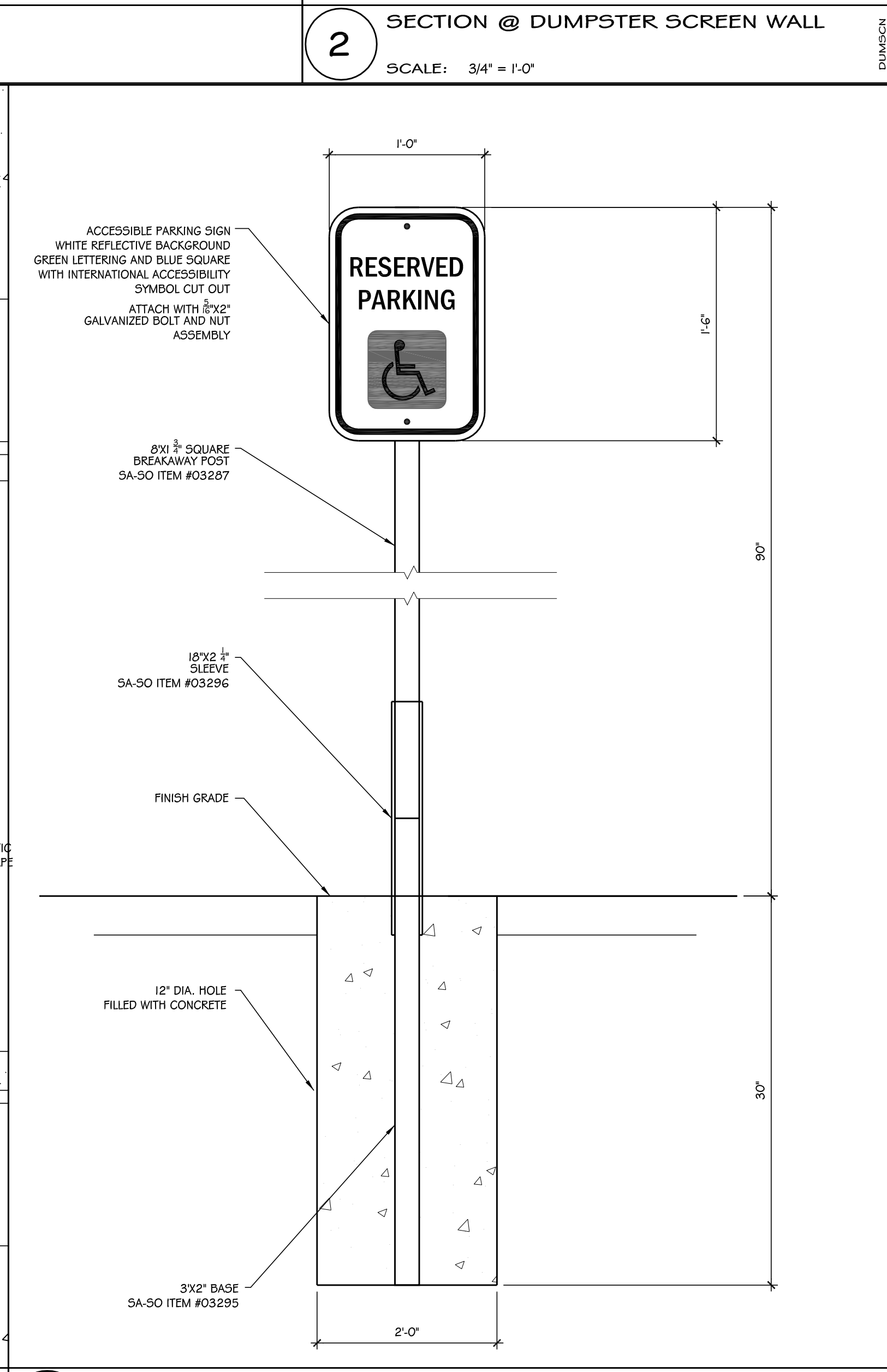
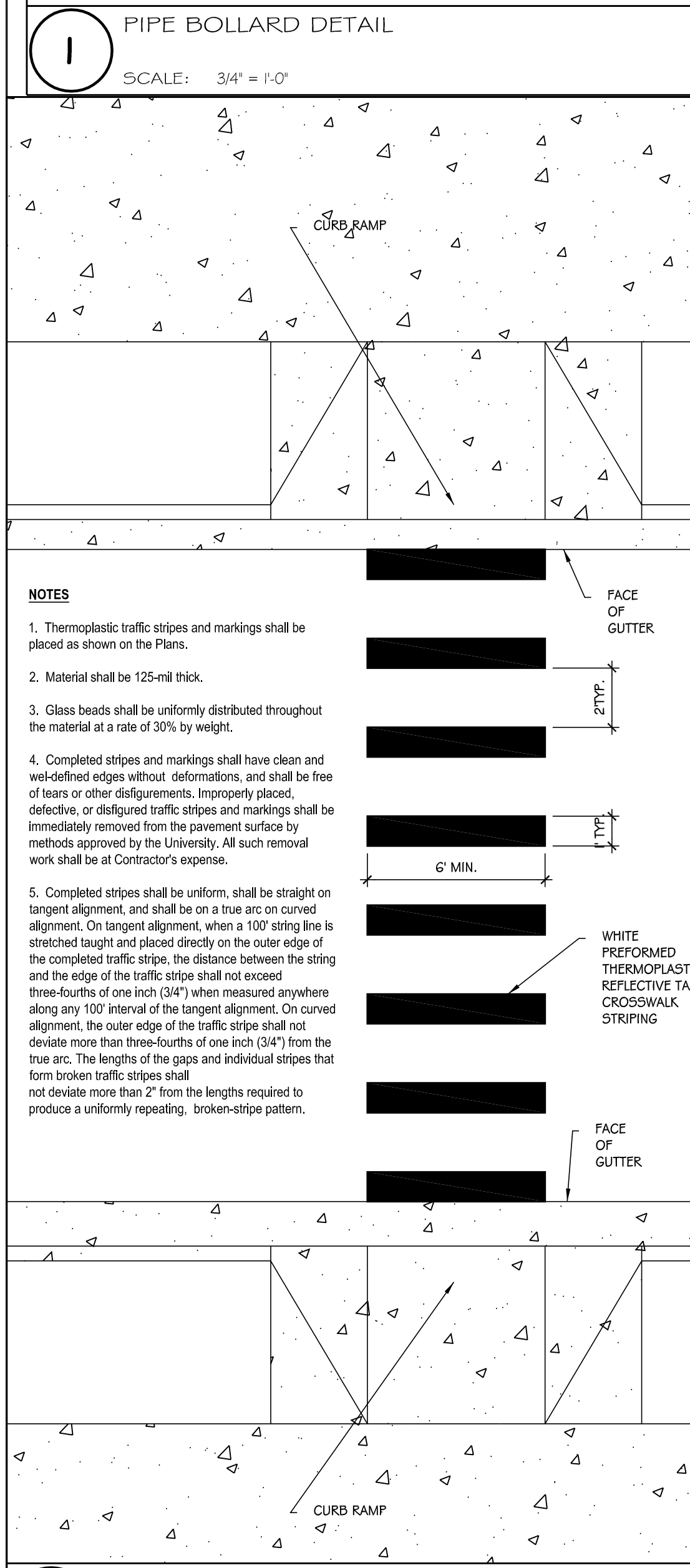
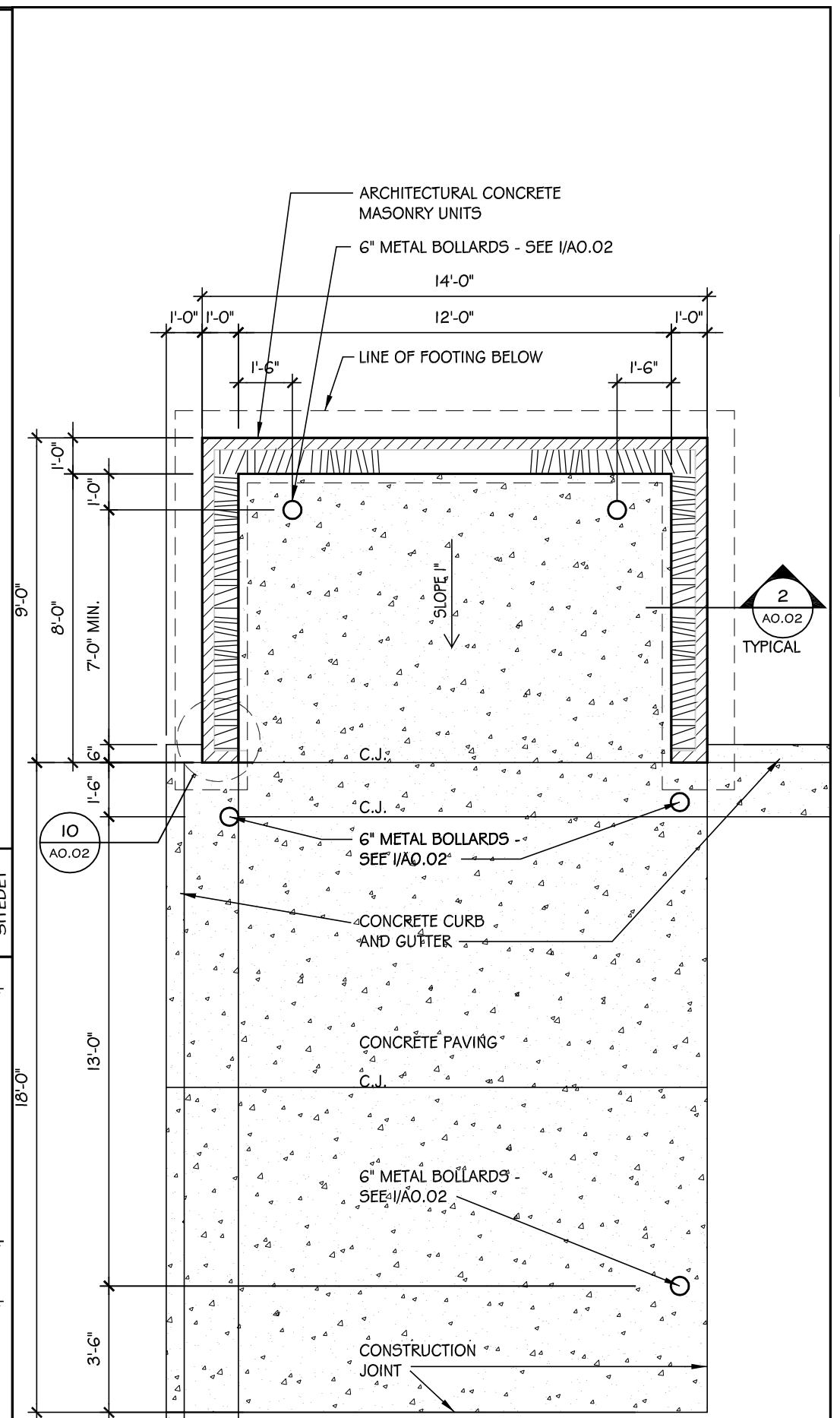
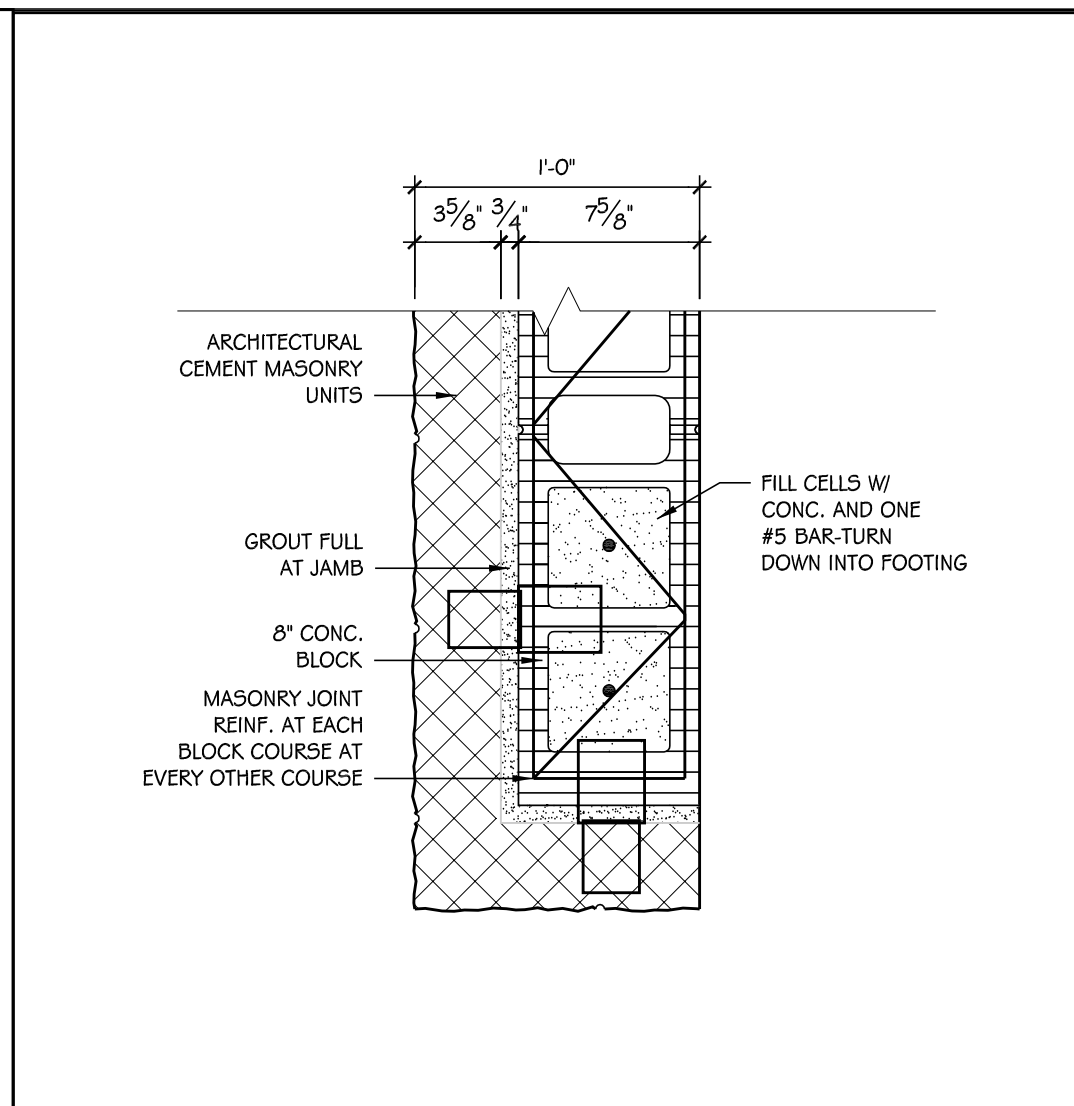
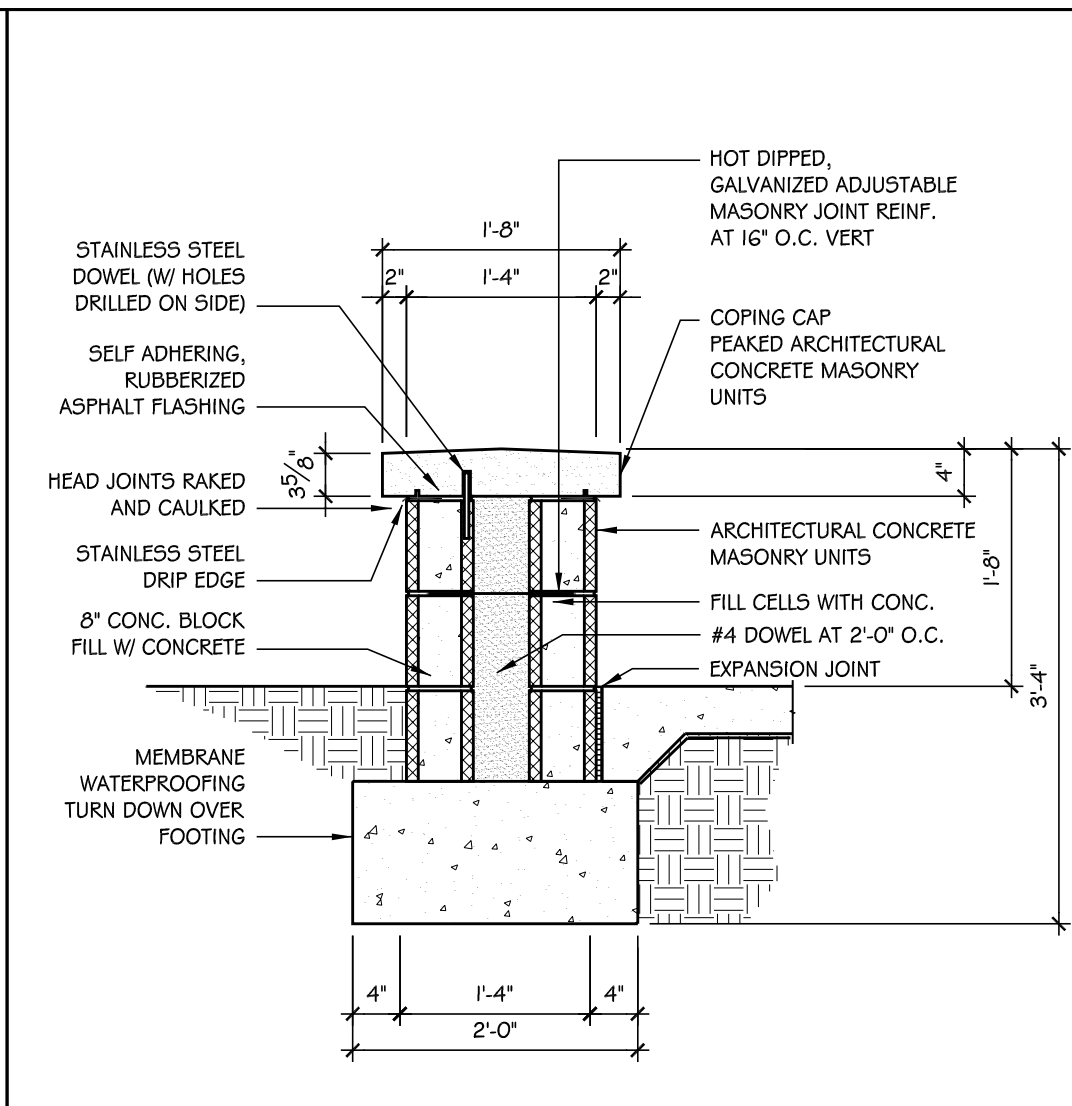
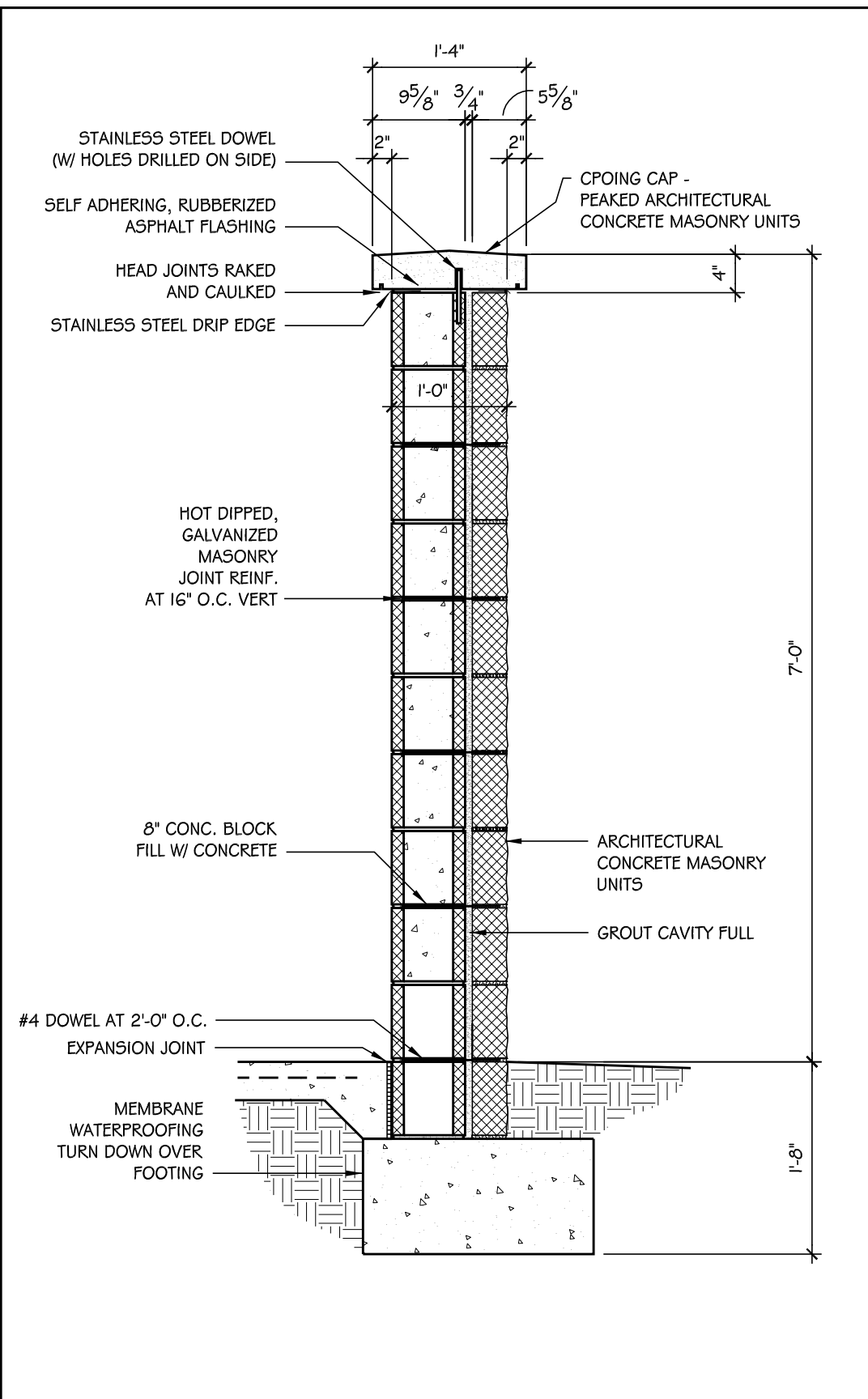
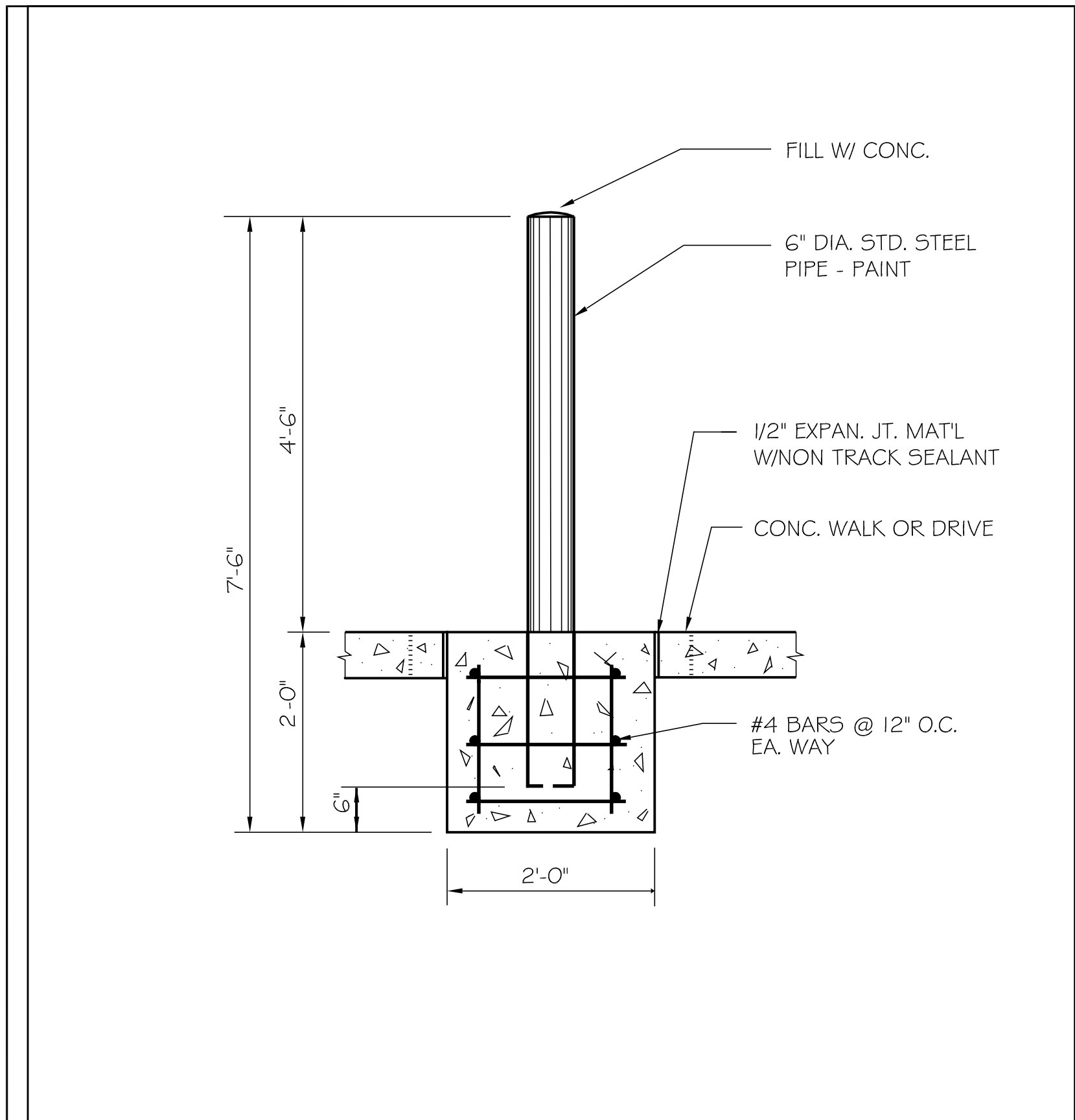


PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

ARCHITECTURAL SITE PLAN

SHEET	DATE	4-28-08
	REVISIONS	
ISSUE	JOB #	07-047
	DATE	
AO.01		

WITTENBERG, DELONY & DAVIDSON, INC.



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

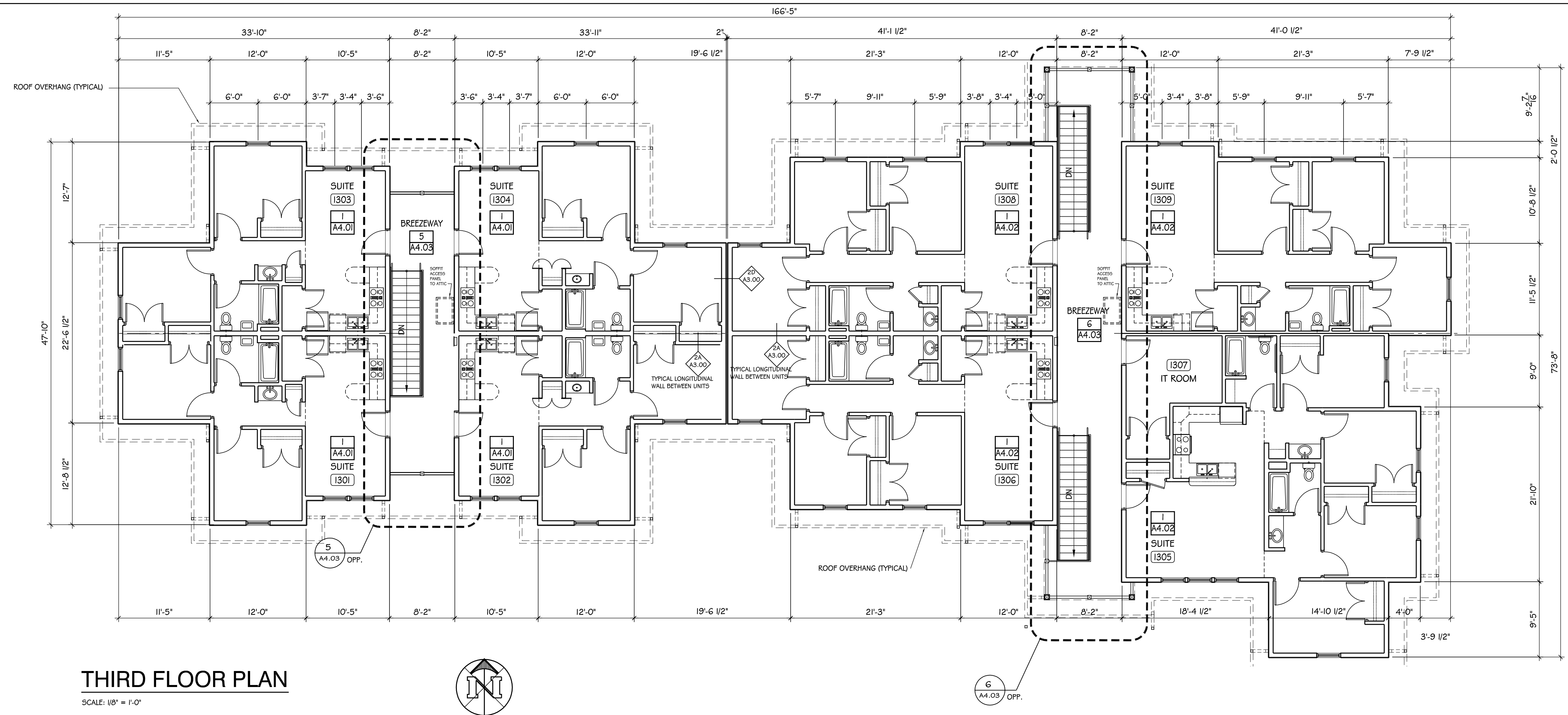
7 HANDICAP PARKING SIGN
 SCALE: 1 1/2" = 1'-0"

9 BUILDING ID SIGN DETAIL
 SCALE: 3/4" = 1'-0"

8 HC PARKING
 SCALE: 1/4" = 1'-0"

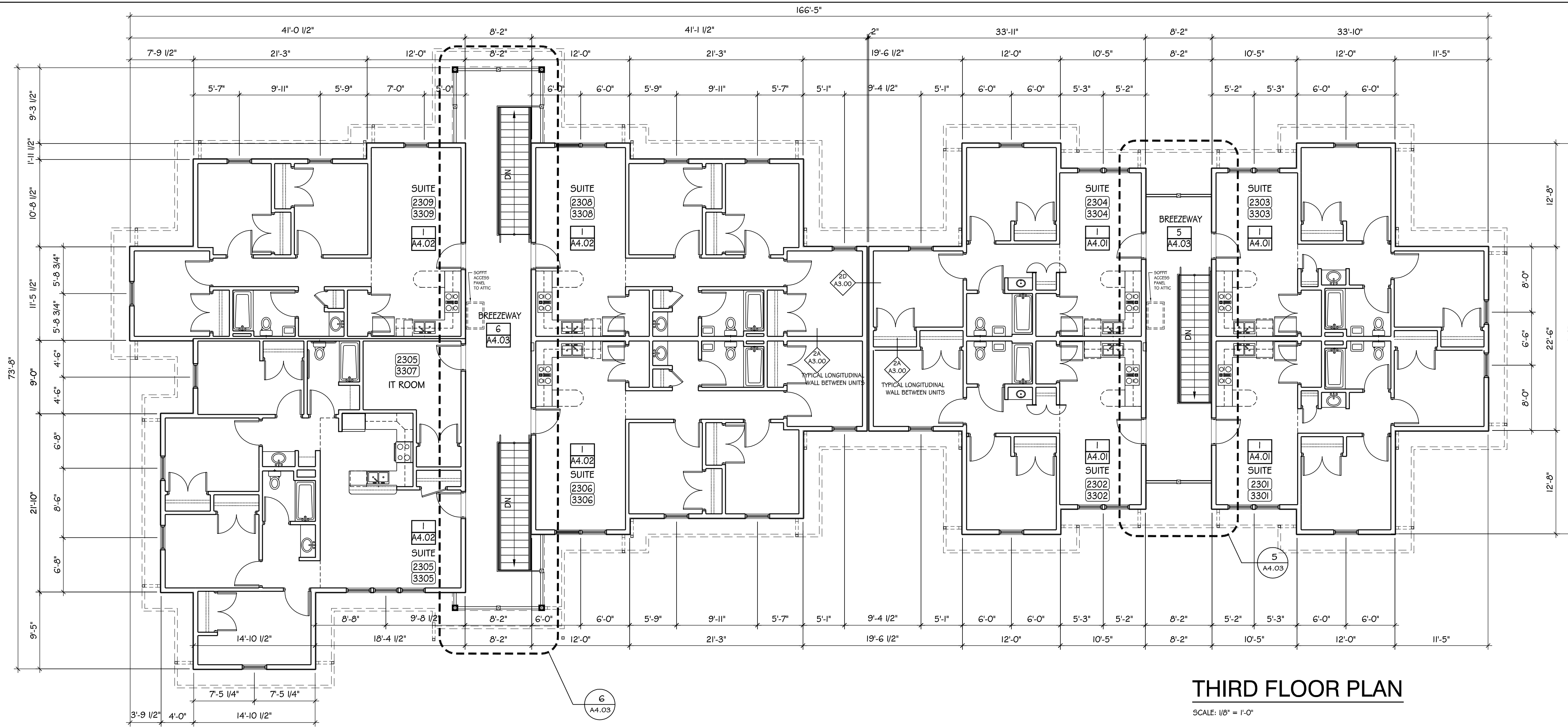
NOTES

- Thermoplastic traffic stripes and markings shall be placed as shown on the Plans.
- Material shall be 125-mil thick.
- Glass beads shall be uniformly distributed throughout the material at a rate of 30% by weight.
- Completed stripes and markings shall have clean and well-defined edges without deformations, improperly placed, defective, or disfigured traffic stripes and markings shall be immediately removed from the pavement surface by methods approved by the University. All such removal work shall be at Contractor's expense.
- Completed stripes shall be uniform, shall be straight on tangent alignment, and shall be on a true arc on curved alignment. On tangent alignment, when a 100' string line is stretched taut and placed directly on the outer edge of the completed traffic stripe, the distance between the string and the edge of the traffic stripe shall not exceed three-fourths of one inch (3/4") when measured anywhere along any 100' interval of the tangent alignment. On curved alignment, the outer edge of the traffic stripe shall not deviate more than three-fourths of one inch (3/4") from the true arc. The lengths of the gaps and individual stripes that form broken traffic stripes shall not deviate more than 2" from the lengths required to produce a uniformly repeating, broken-stripe pattern.



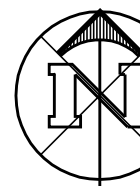
THIRD FLOOR PLAN
 SCALE: 1/8" = 1'-0"

- GENERAL PLAN NOTES:**
- 1.) ALL INTERIOR DIMENSIONS ARE TO FINISH FACE OF WALL OR TO CENTERLINE U.N.O. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF BRICK U.N.O.
 - 2.) ALL TYPICAL INTERIOR NON-BEARING WALLS ARE TO BE 2B/A3.00 U.N.O.
 - 3.) ALL BEARING WALLS ARE TO BE 2C/A3.00 U.O.N. (SEE STRUCTURAL DWGS. FOR BEARING WALL LOCATIONS)
 - 4.) SEE RCP FOR SAOUND WALL LOCATIONS (SEE 5/A3.00 FOR SOUND WALL DETAIL)
 - 5.) GYPSUM BOARD THICKNESS CLARIFICATION:
 APARTMENTS
 • 5/8" GYP. + RESILIENT CHANNELS AT FIRE PARTITIONS SEPARATING UNITS.
 • 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS.
 • 5/8" GYP. AT APARTMENT EXTERIOR NON RATED WALLS.
 • 5/8" GYP. AT APARTMENT EXTERIOR RATED WALLS.
 COMMONS
 • 5/8" GYP. + RESILIENT CHANNELS AT DEMISING WALL AT RESIDENT DIRECTOR
 • 5/8" GYP. AT EXTERIOR WALLS
 • 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS
 - 6.) AT ALL BEDROOM + LIVING ROOM CLOSETS PROVIDE A 3/4" PAINTED WOOD SHELF AND ROD ON BRACKETS. PROVIDE SHELF IN WIDTH AS REQUIRED BY BRACKETS (SEE HW-13)
 - 7.) CORNER GUARDS:
 PROVIDE AT LOCATIONS INDICATED WITH C.G. ON PLANS.
 CORNER GUARDS TO BE KOROGARD WALL PROTECTION SYSTEM OR EQUAL.
 PROVIDE KOROGARD "KOROGARD" SERIES GS10 16-GAUGE STAINLESS STEEL CORNER GUARD ADHERED TO SUBSTRATE CORNER. EXPOSED SURFACES SHALL BE FREE OF DISCOLORATION OR OTHER IMPERFECTIONS. LEG LENGTH GS10 (7). MATERIAL TO BE TYPE 304 STAINLESS STEEL FINISH TO BE #4 SATIN. INSTALL TO WALL SECURELY USING MASTIC CONSTRUCTION ADHESIVE PER MFR INSTRUCTIONS.
 - 8.) AT BUILDINGS A, B, + C, - PROVIDE HORIZONTAL BLINDS ON ALL EXTERIOR WINDOWS. AT BUILDING "D" - PROVIDE HORIZONTAL BLINDS ON ALL EXTERIOR WINDOWS, EXCEPT AT CLERESTORY.

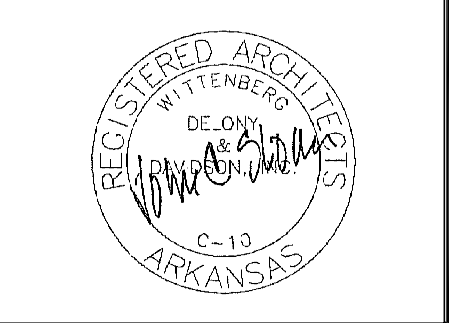


THIRD FLOOR PLAN

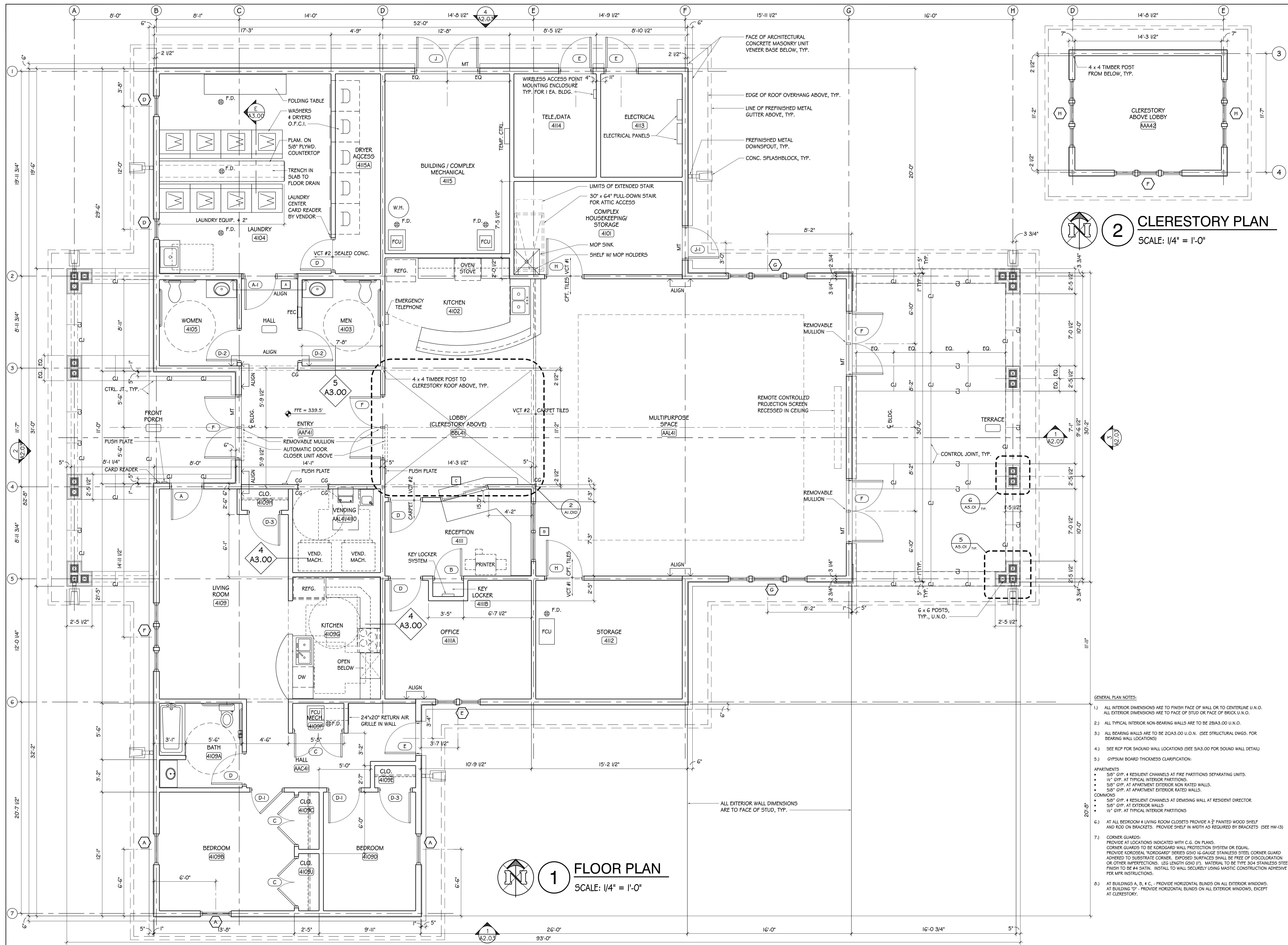
SCALE: 1/8" = 1'-0"



- GENERAL PLAN NOTES:**
- 1.) ALL INTERIOR DIMENSIONS ARE TO FINISH FACE OF WALL OR TO CENTERLINE U.N.O. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF BRICK U.N.O.
 - 2.) ALL TYPICAL INTERIOR NON-BEARING WALLS ARE TO BE 2B/A3.00 U.N.O.
 - 3.) ALL BEARING WALLS ARE TO BE 2C/A3.00 U.N.O. (SEE STRUCTURAL DWGS. FOR BEARING WALL LOCATIONS)
 - 4.) SEE RCP FOR SOUND WALL LOCATIONS (SEE 5/A3.00 FOR SOUND WALL DETAIL)
 - 5.) GYPSUM BOARD THICKNESS CLARIFICATION:
 - 5/8" GYP. # 4 RESILIENT CHANNELS AT FIRE PARTITIONS SEPARATING UNITS.
 - 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS.
 - 5/8" GYP. AT APARTMENT EXTERIOR NON RATED WALLS.
 - 5/8" GYP. AT APARTMENT EXTERIOR RATED WALLS.
 - 6.) AT ALL BEDROOM & LIVING ROOM CLOSETS PROVIDE A 3" PAINTED WOOD SHELF AND ROD ON BRACKETS. PROVIDE SHELF IN WIDTH AS REQUIRED BY BRACKETS (SEE HW-13)
 - 7.) CORNER GUARDS:
 - PROVIDE AT LOCATIONS INDICATED WITH C.G. ON PLANS.
 - CORNER GUARDS TO BE KOROGARD WALL PROTECTION SYSTEM OR EQUAL.
 - PROVIDE KOROGARD "KOROGARD" SERIES G310 16-GAUGE STAINLESS STEEL CORNER GUARD ADHERED TO SUBSTRATE CORNER. EXPOSED SURFACES SHALL BE FREE OF DISCOLORATION OR OTHER IMPERFECTIONS. LEG LENGTH G310 (1"). MATERIAL TO BE TYPE 304 STAINLESS STEEL FINISH TO BE #4 SATIN. INSTALL TO WALL SECURELY USING MASTIC CONSTRUCTION ADHESIVE PER MFR INSTRUCTIONS.
 - 8.) AT BUILDINGS A, B, & C, - PROVIDE HORIZONTAL BLINDS ON ALL EXTERIOR WINDOWS. AT BUILDING "D" - PROVIDE HORIZONTAL BLINDS ON ALL EXTERIOR WINDOWS, EXCEPT AT CLERESTORY.



WITTENBERG, DELONY & DAVIDSON, INC.	REVISIONS	DATE	4-28-08
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FLOOR PLANS		JOB #	07-047
BUILDINGS B & C		ISSUE	07-047
		AI.04	



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

2 CLERESTORY PLAN
SCALE: 1/4" = 1'-0"

- GENERAL PLAN NOTES:
- ALL INTERIOR DIMENSIONS ARE TO FINISH FACE OF WALL OR TO CENTERLINE U.N.O. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF BRICK U.N.O.
 - ALL TYPICAL INTERIOR NON-BEARING WALLS ARE TO BE 2BIA3.00 U.N.O.
 - ALL BEARING WALLS ARE TO BE 2CA3.00 U.N.O. (SEE STRUCTURAL DWGS. FOR BEARING WALL LOCATIONS)
 - SEE RCP FOR SOUND WALL LOCATIONS (SEE 5A3.00 FOR SOUND WALL DETAIL)
 - GYPSUM BOARD THICKNESS CLARIFICATION:
APARTMENTS
 - 5/8" GYP. + RESILIENT CHANNELS AT FIRE PARTITIONS SEPARATING UNITS.
 - 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS.
 - 5/8" GYP. AT APARTMENT EXTERIOR NON RATED WALLS.
 - 5/8" GYP. AT APARTMENT EXTERIOR RATED WALLS.
COMMONS
 - 5/8" GYP. + RESILIENT CHANNELS AT DEMISING WALL AT RESIDENT DIRECTOR.
 - 5/8" GYP. AT EXTERIOR WALLS.
 - 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS.
 - AT ALL BEDROOM + LIVING ROOM CLOSETS PROVIDE A 3/4" PAINTED WOOD SHELF AND ROD ON BRACKETS. PROVIDE SHELF IN WIDTH AS REQUIRED BY BRACKETS (SEE HW-13)
 - CORNER GUARDS:
 PROVIDE AT LOCATIONS INDICATED WITH C.G. ON PLANS.
 CORNER GUARDS TO BE KOROGARD WALL PROTECTION SYSTEM OR EQUAL.
 PROVIDE KOROGARD "KOROGARD" SERIES G510 16-GAUGE STAINLESS STEEL CORNER GUARD ADHERED TO SUBSTRATE CORNER. EXPOSED SURFACES SHALL BE FREE OF DISCOLORATION OR OTHER IMPERFECTIONS. LEG LENGTH G510 (7). MATERIAL TO BE TYPE 304 STAINLESS STEEL. FINISH TO BE #4 SATIN. INSTALL TO WALL SECURELY USING MASTIC CONSTRUCTION ADHESIVE PER MFG INSTRUCTIONS.
 - AT BUILDINGS A, B, + C, - PROVIDE HORIZONTAL BLINDS ON ALL EXTERIOR WINDOWS. AT BUILDING D - PROVIDE HORIZONTAL BLINDS ON ALL EXTERIOR WINDOWS, EXCEPT AT CLERESTORY.

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WD&D ARCHITECTS

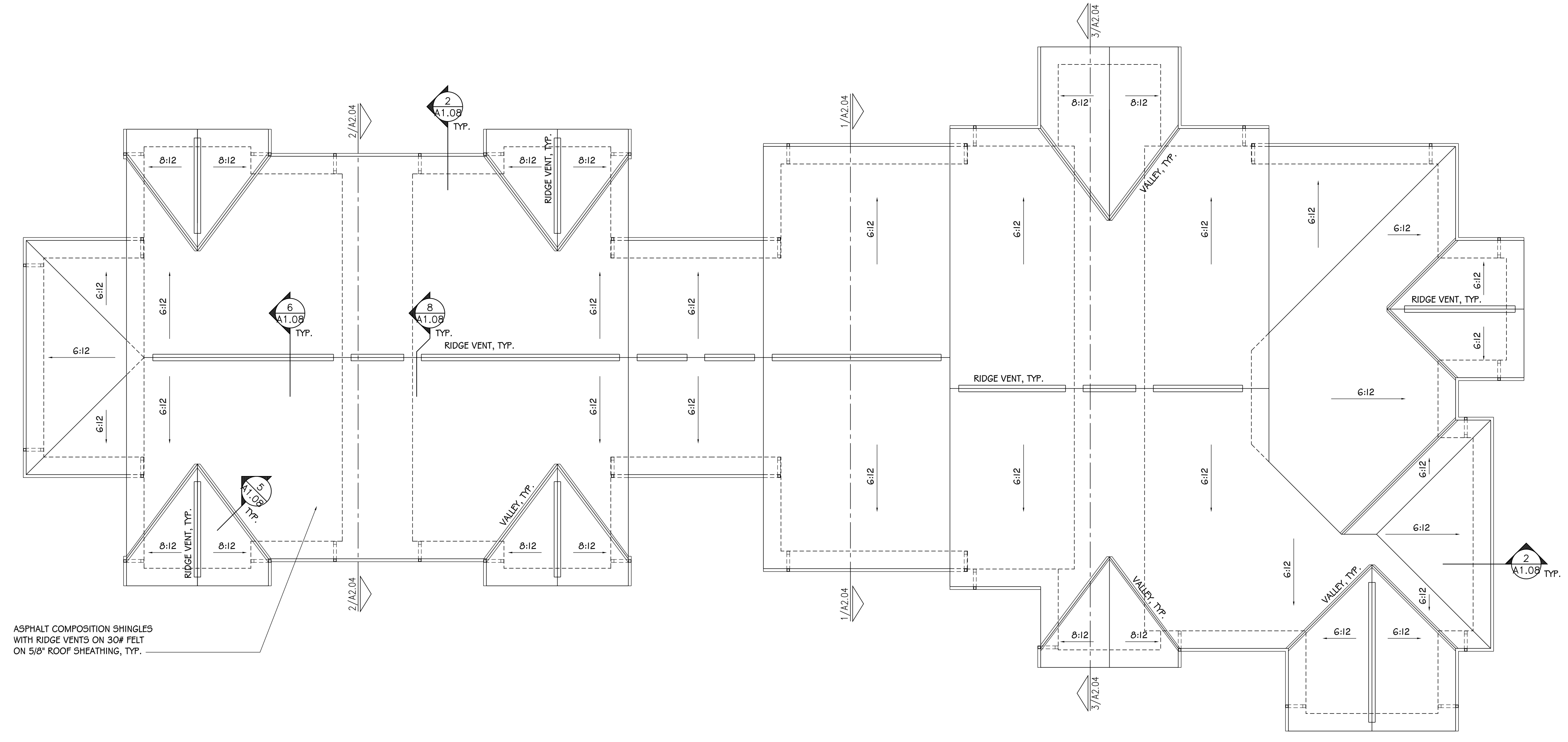
REGISTERED ARCHITECTS
D.C. OR.
C-13
ARKANSAS

WITTENBERG, DELONY & DAVIDSON, INC.
PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

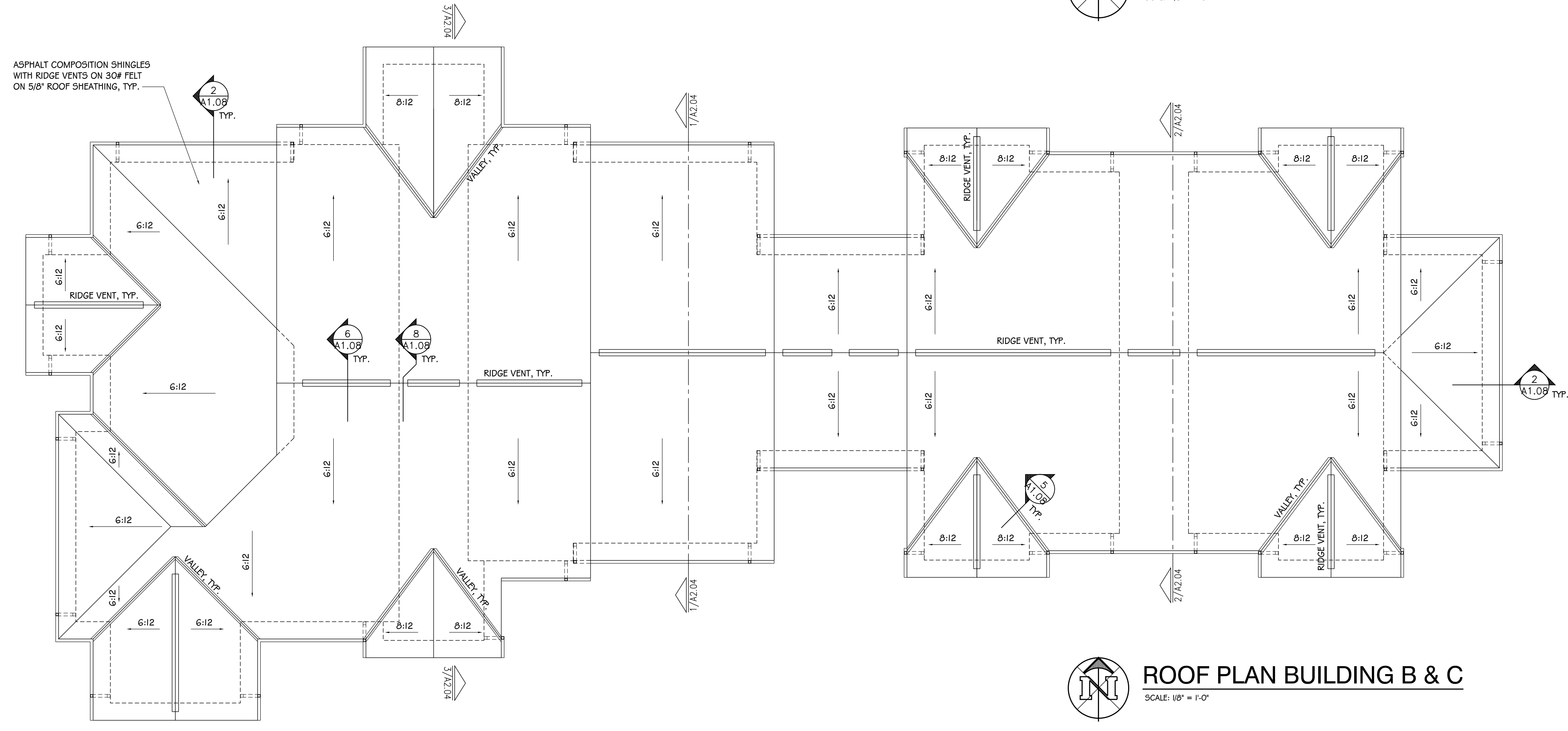
CONTENTS
FLOOR PLAN - BUILDING D

REVISIONS

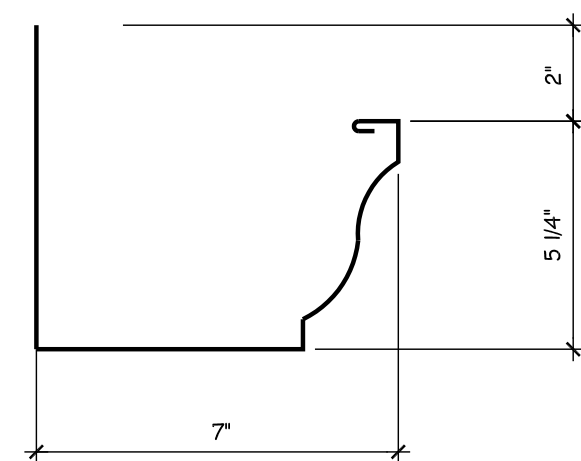
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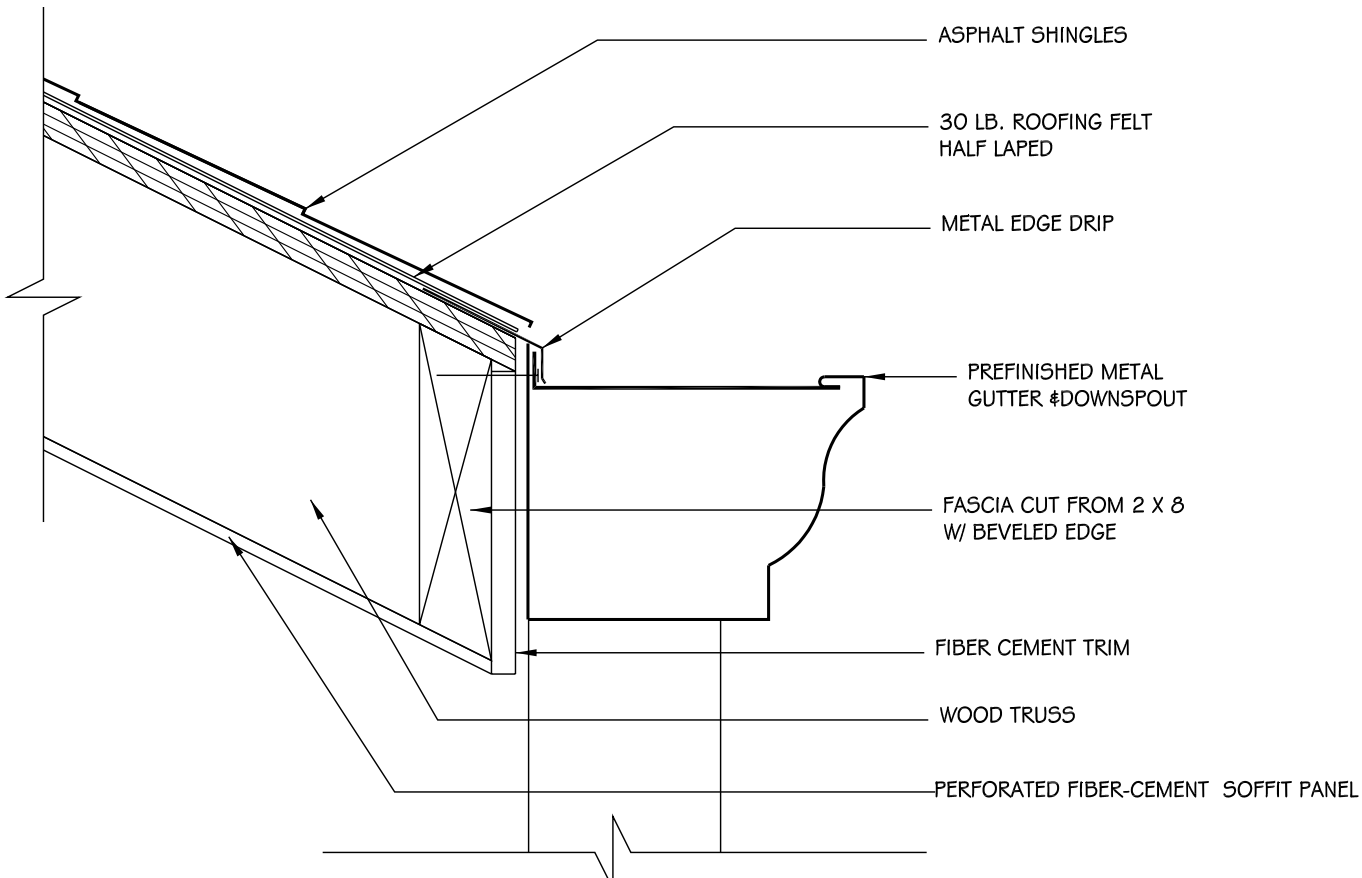
ROOF PLAN BUILDING A
SCALE: 1/8" = 1'-0"



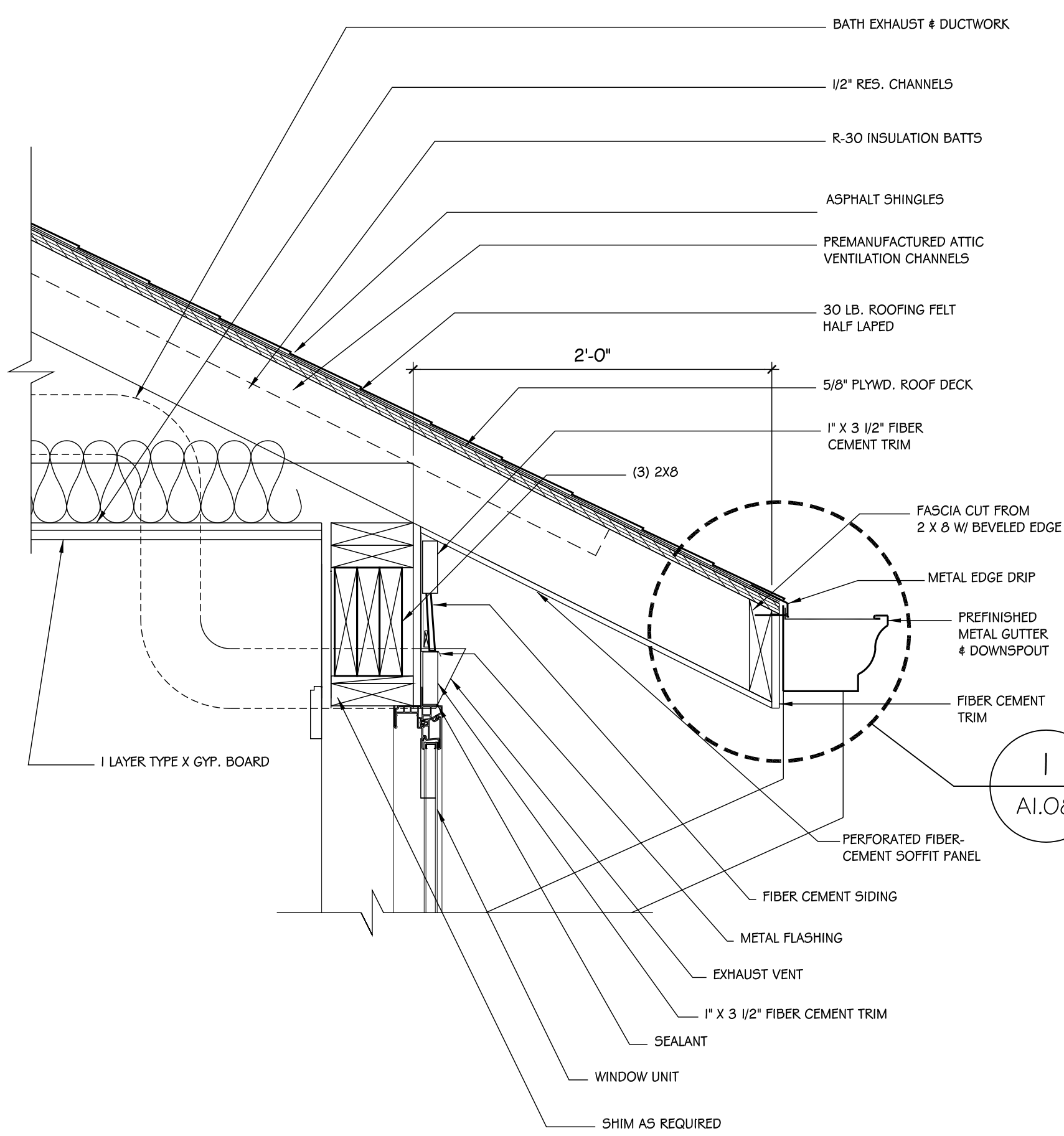
ROOF PLAN BUILDING B & C
SCALE: 1/8" = 1'-0"



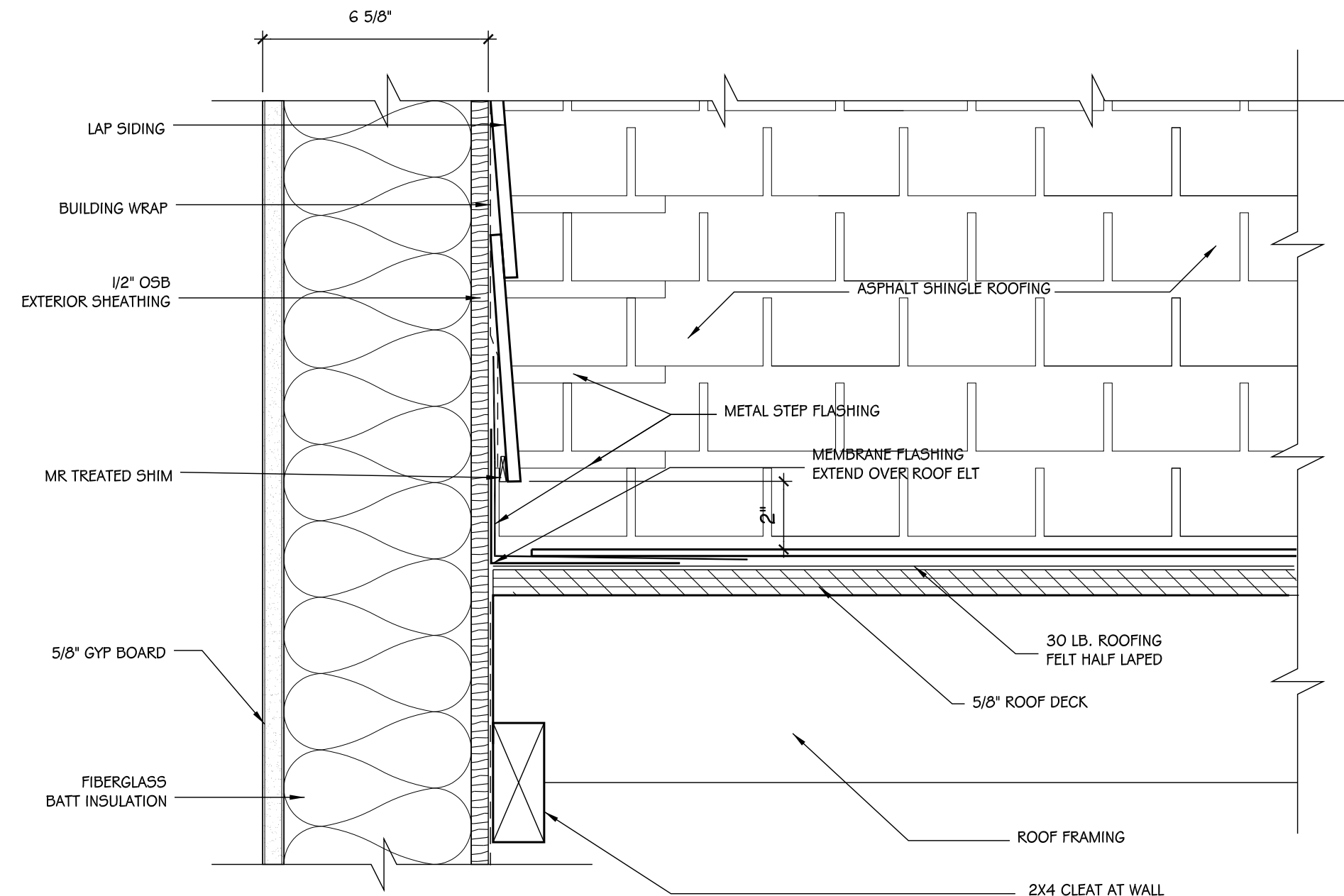
10 GUTTER PROFILE
SCALE 3" = 1'-0"



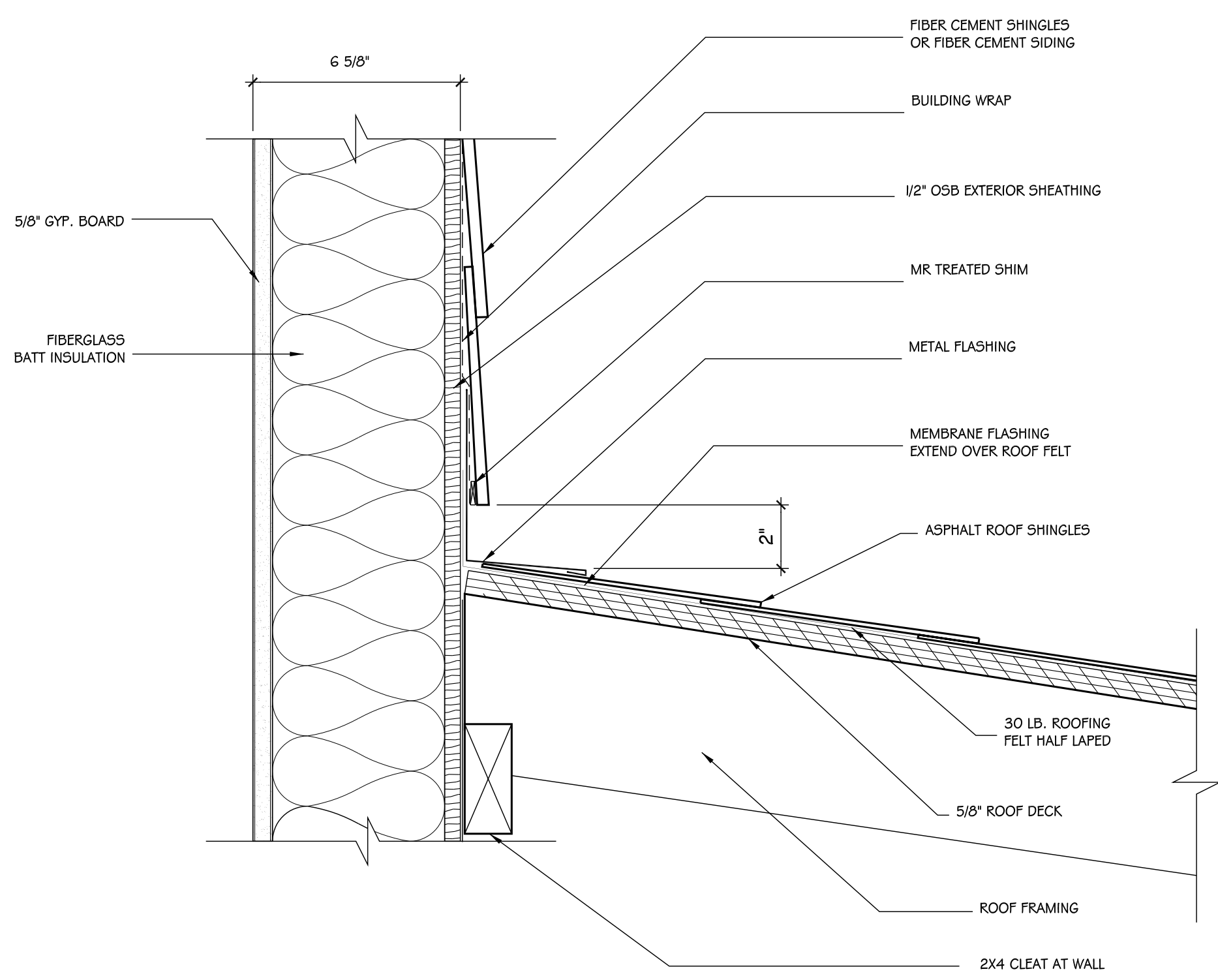
1 DETAIL AT FASCIA
SCALE 3" = 1'-0"



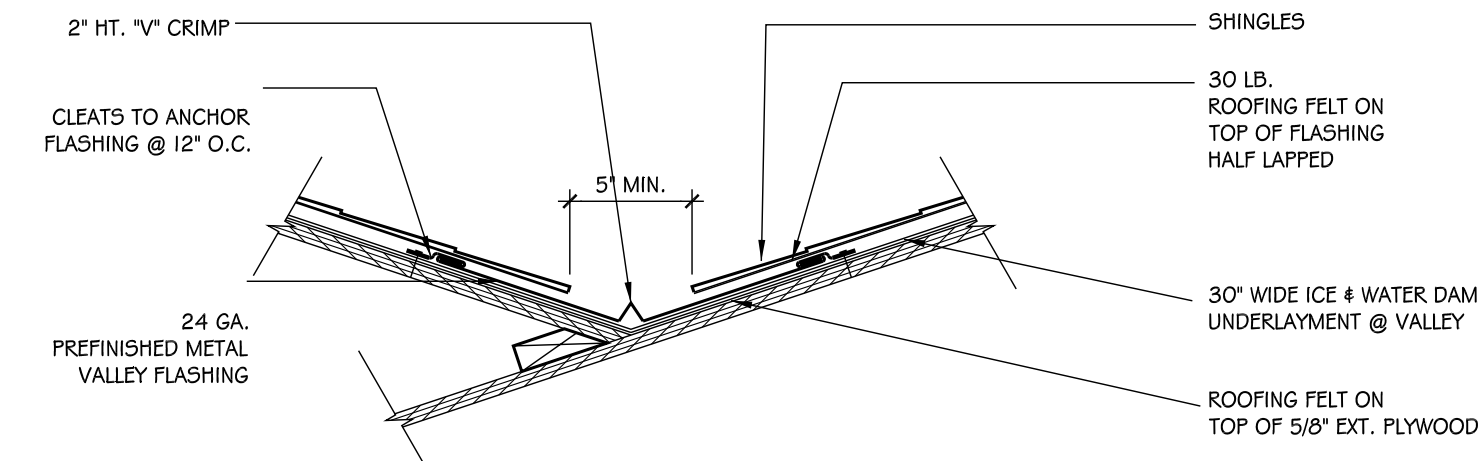
2 FASCIA DETAIL AT EAVE
SCALE 1 1/2" = 1'-0"



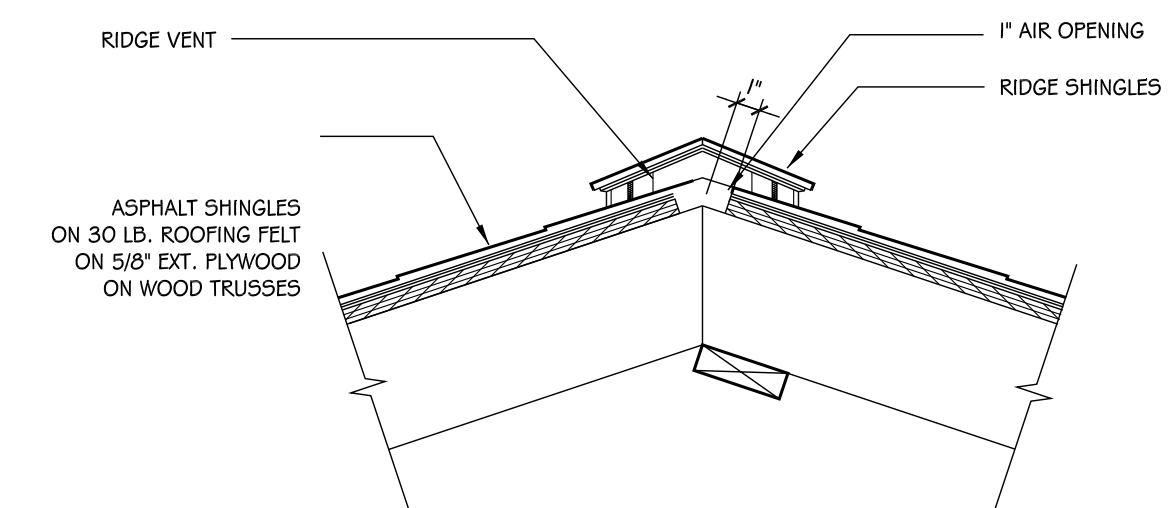
3 DETAIL AT ROOF TRANSITION
SCALE 3" = 1'-0"



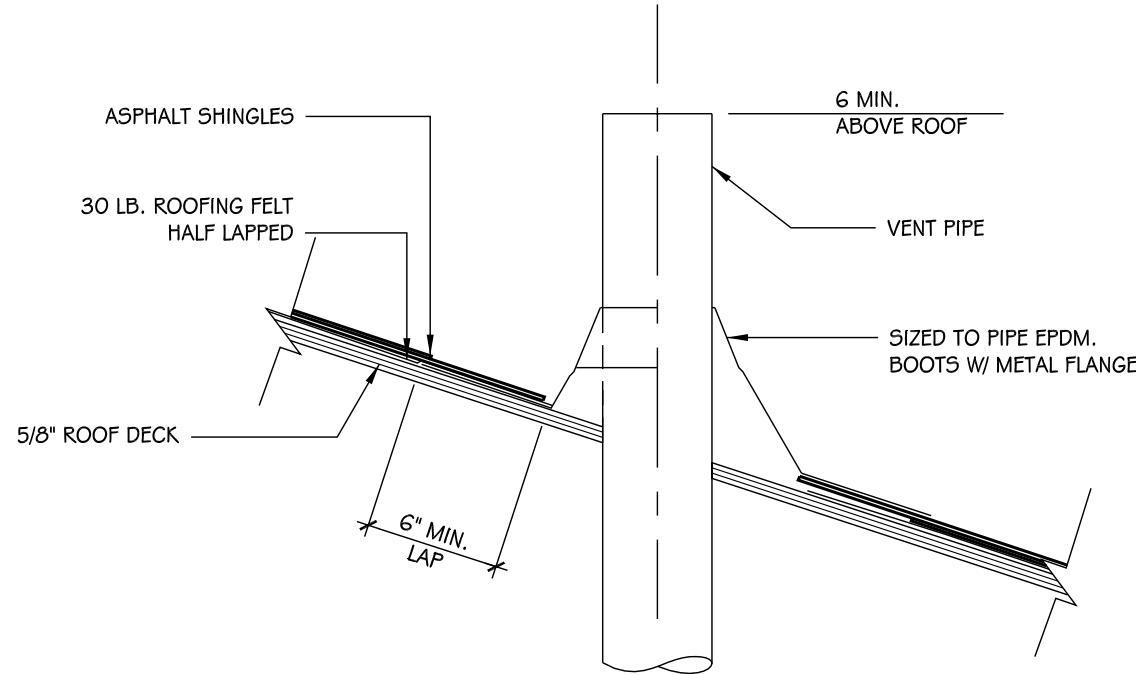
4 DETAIL AT ROOF TRANSITION
SCALE 3" = 1'-0"



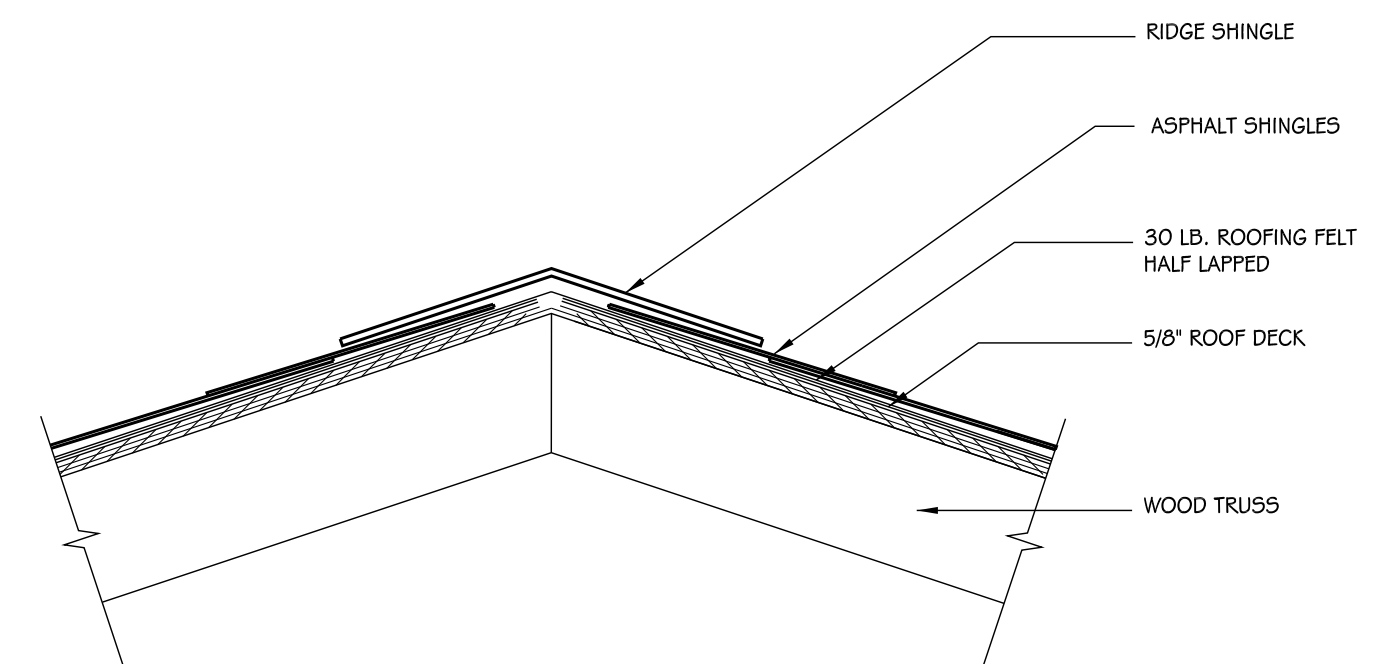
5 VALLEY DETAIL
SCALE 1 1/2" = 1'-0"



6 RIDGE DETAIL W/ RIDGE VENT
SCALE 1 1/2" = 1'-0"



7 PIPE SUPPORT DETAIL
SCALE 1 1/2" = 1'-0"



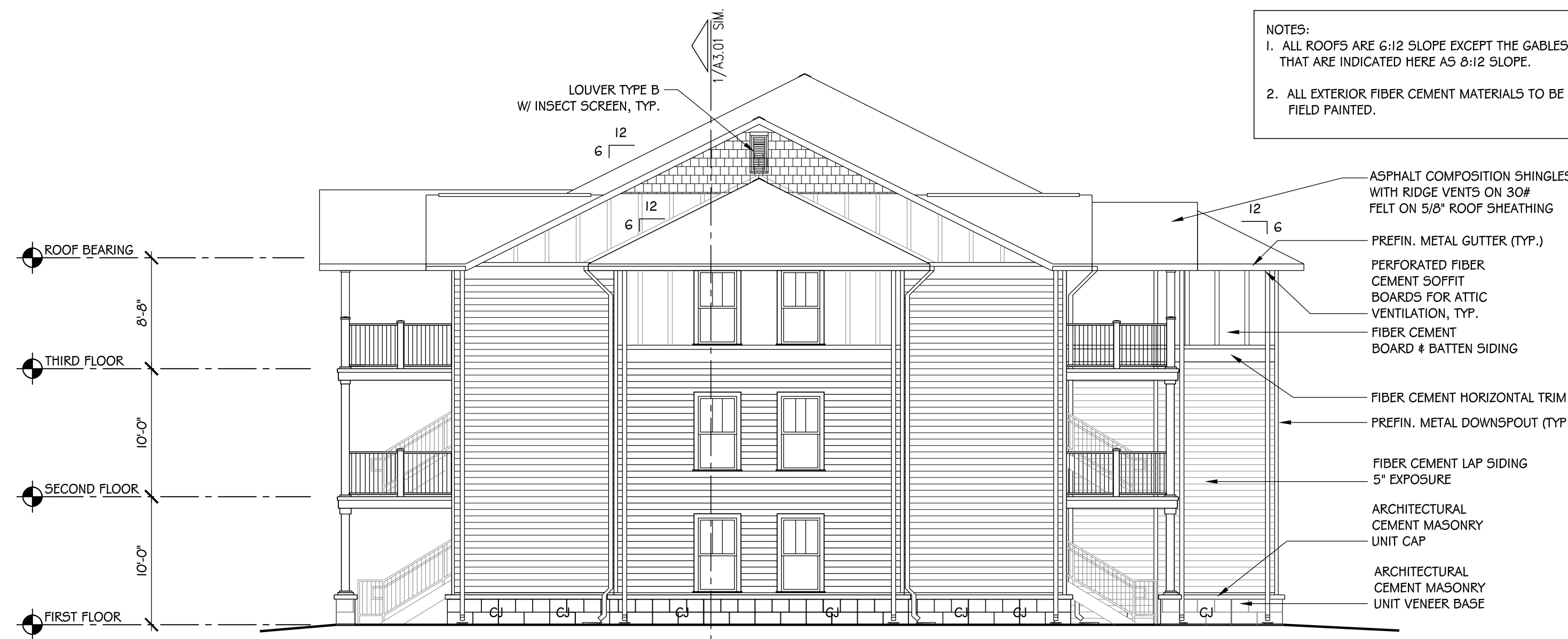
8 RIDGE DETAIL
SCALE 1 1/2" = 1'-0"



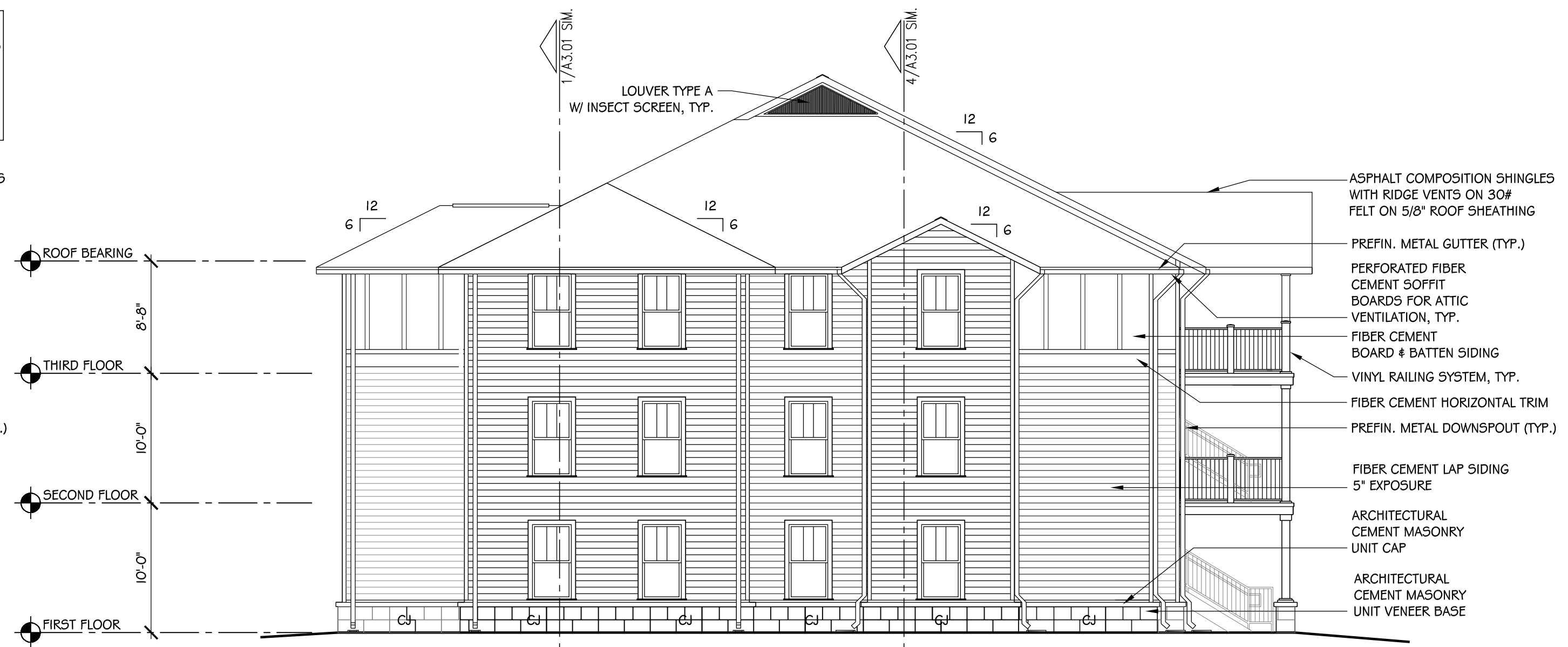
SOUTH ELEVATION
 SCALE: 1/8" = 1'-0"

TYP. CONTROL JOINTS IN ARCHITECTURAL CONCRETE MASONRY VENEER BASE. JOINTS TO OCCUR WITHIN 4 TO 6 FT. OF CORNERS & AT EVERY INSIDE CORNER. MAX. SPACING BETWEEN JOINTS NOT TO EXCEED 20 FT. REF. DTL: 7/A5.01. REF.: DTL. 3/A5.04 FOR PATTERN.

NOTES:
 1. ALL ROOFS ARE 6:12 SLOPE EXCEPT THE GABLES THAT ARE INDICATED HERE AS 8:12 SLOPE.
 2. ALL EXTERIOR FIBER CEMENT MATERIALS TO BE FIELD PAINTED.



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



EAST ELEVATION
 SCALE: 1/8" = 1'-0"

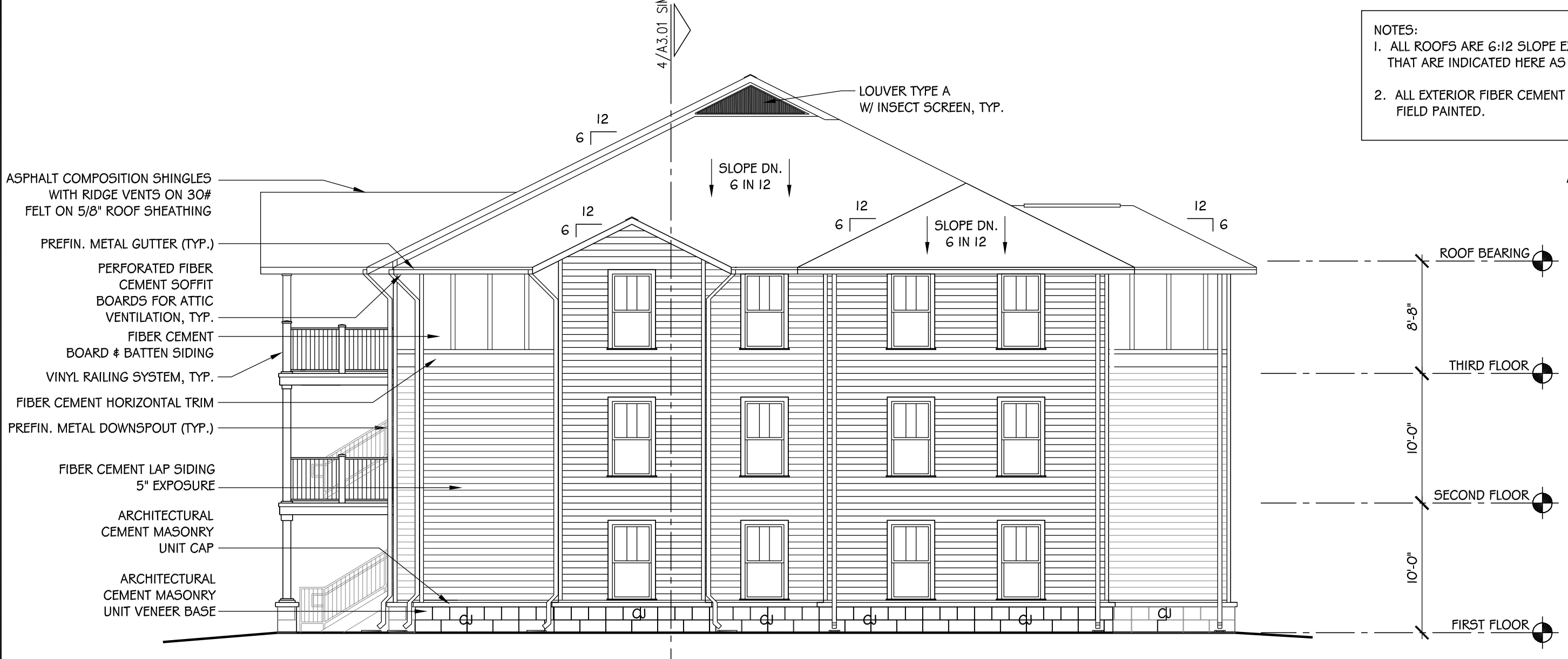


NORTH ELEVATION
 SCALE: 1/8" = 1'-0"



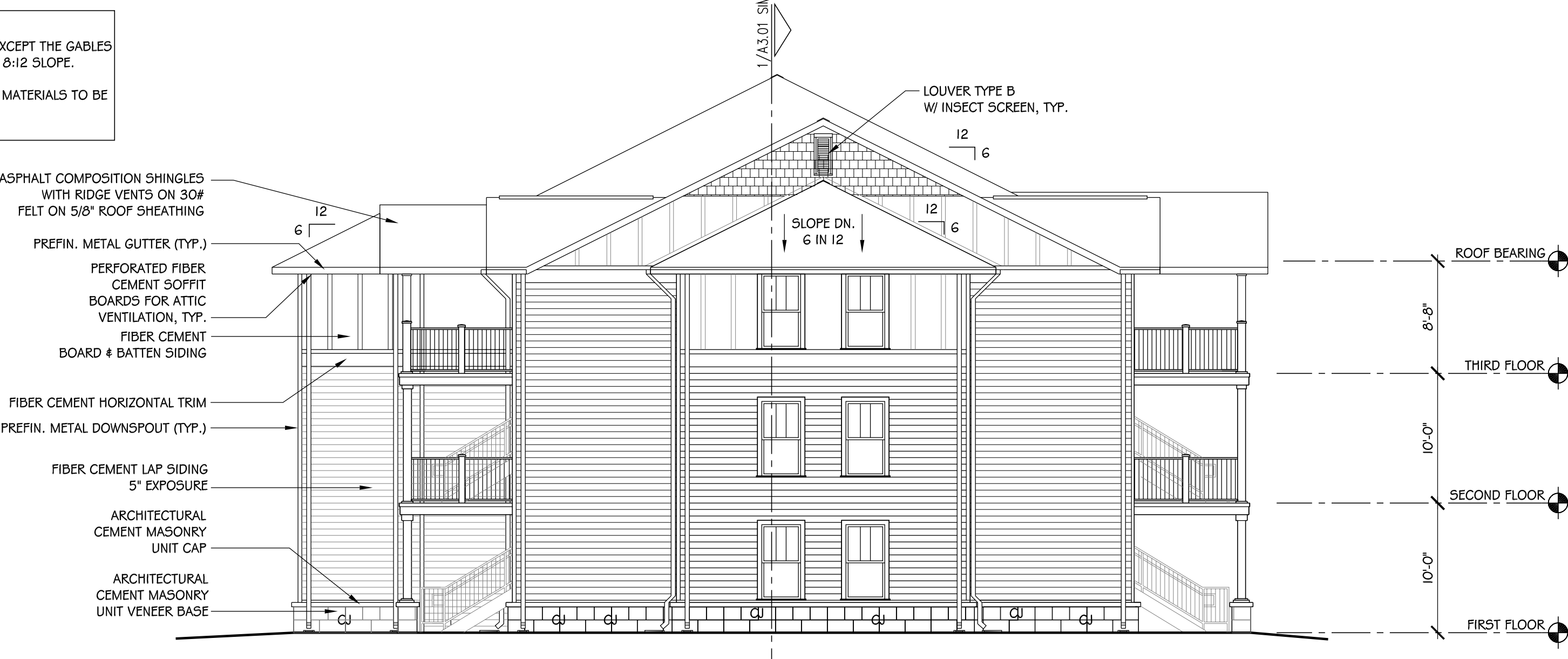
NORTH ELEVATION

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



WEST ELEVATION

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



EAST ELEVATION

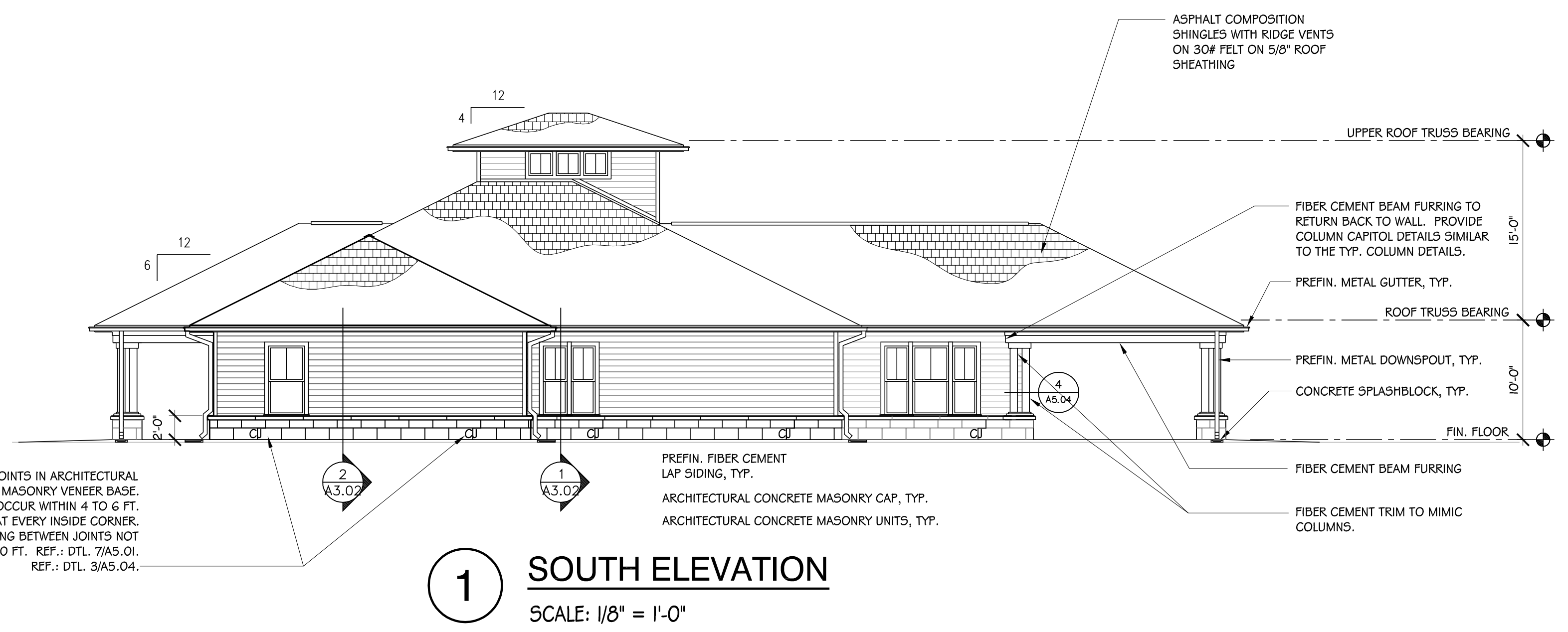
SCALE: 1/8" = 1'-0"

NOTES:
1. ALL ROOFS ARE 6:12 SLOPE EXCEPT THE GABLES THAT ARE INDICATED HERE AS 8:12 SLOPE.
2. ALL EXTERIOR FIBER CEMENT MATERIALS TO BE FIELD PAINTED.

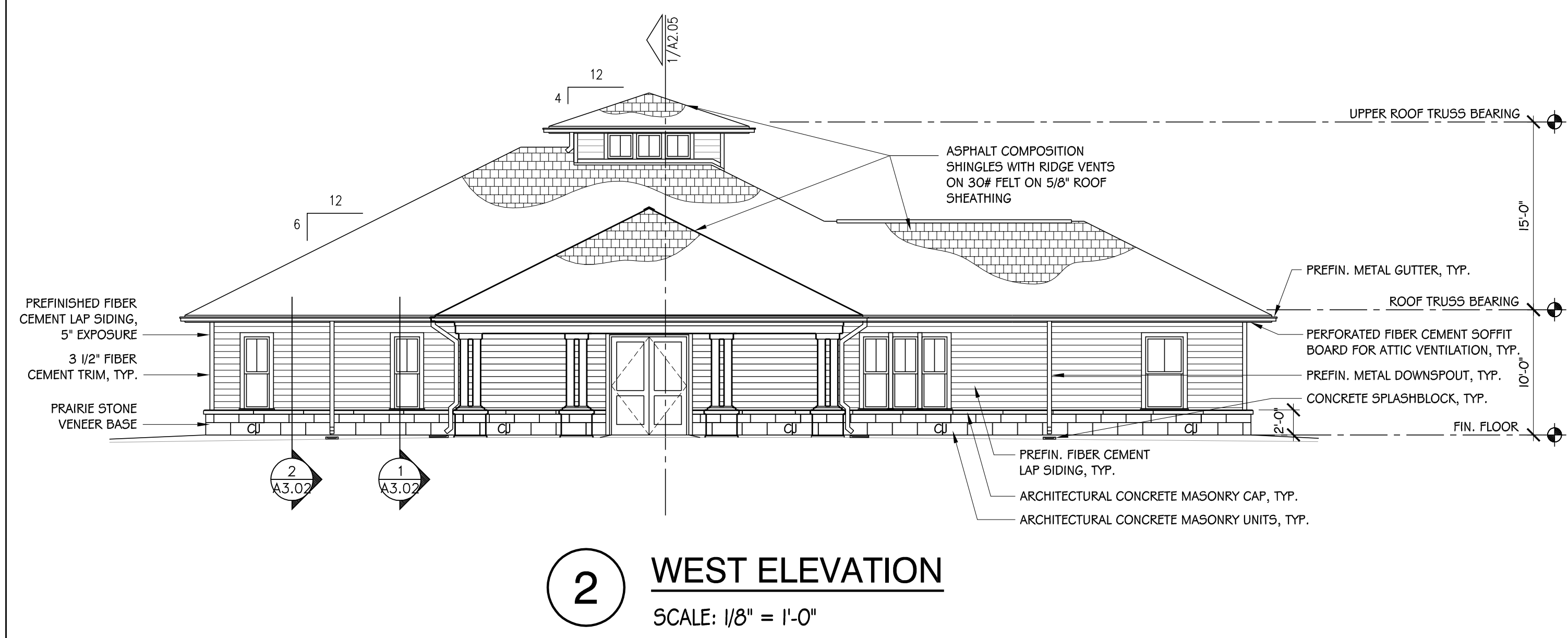


SOUTH ELEVATION

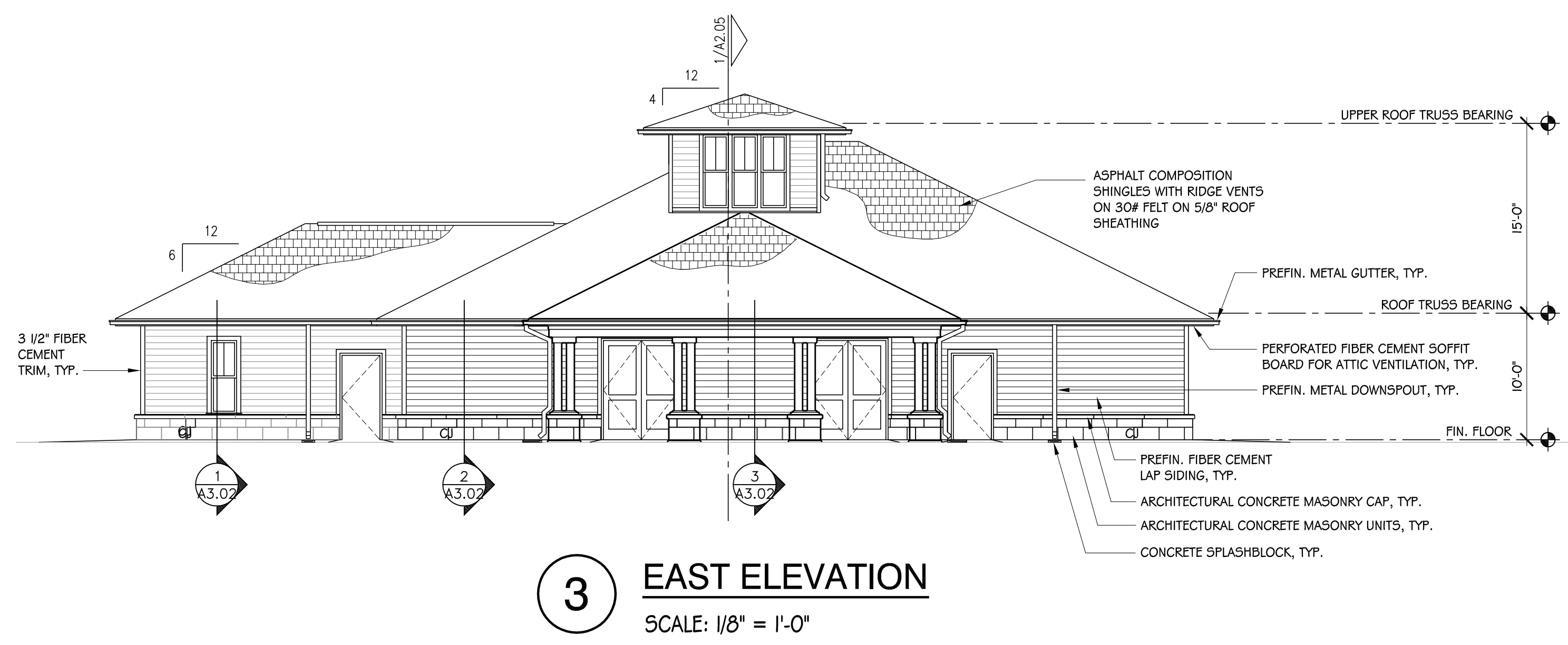
SCALE: 1/8" = 1'-0"



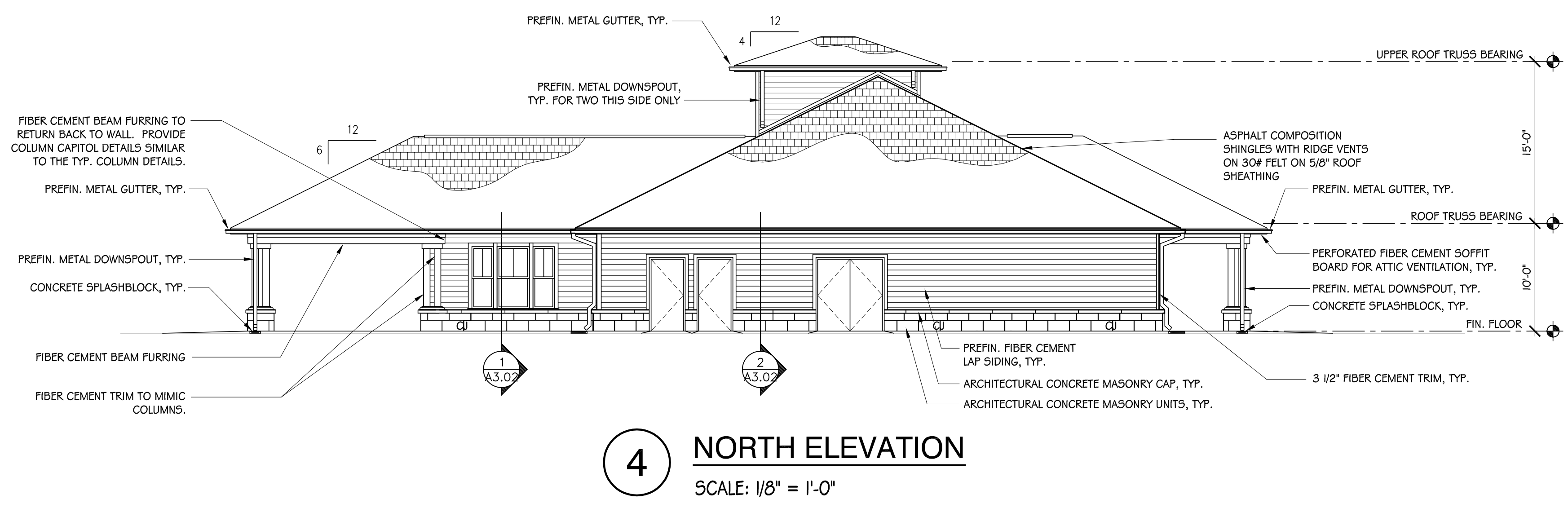
1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



3 EAST ELEVATION
SCALE: 1/8" = 1'-0"



4 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

NOTES:
1. ALL ROOFS ARE 6:12 SLOPE EXCEPT THE UPPER ROOF OVER THE CLERESTORY IS 4:12 SLOPE.
2. ALL EXTERIOR FIBER CEMENT MATERIALS TO BE FIELD PAINTED.



Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

BUILDING SECTIONS
 BUILDINGS A, B, & C

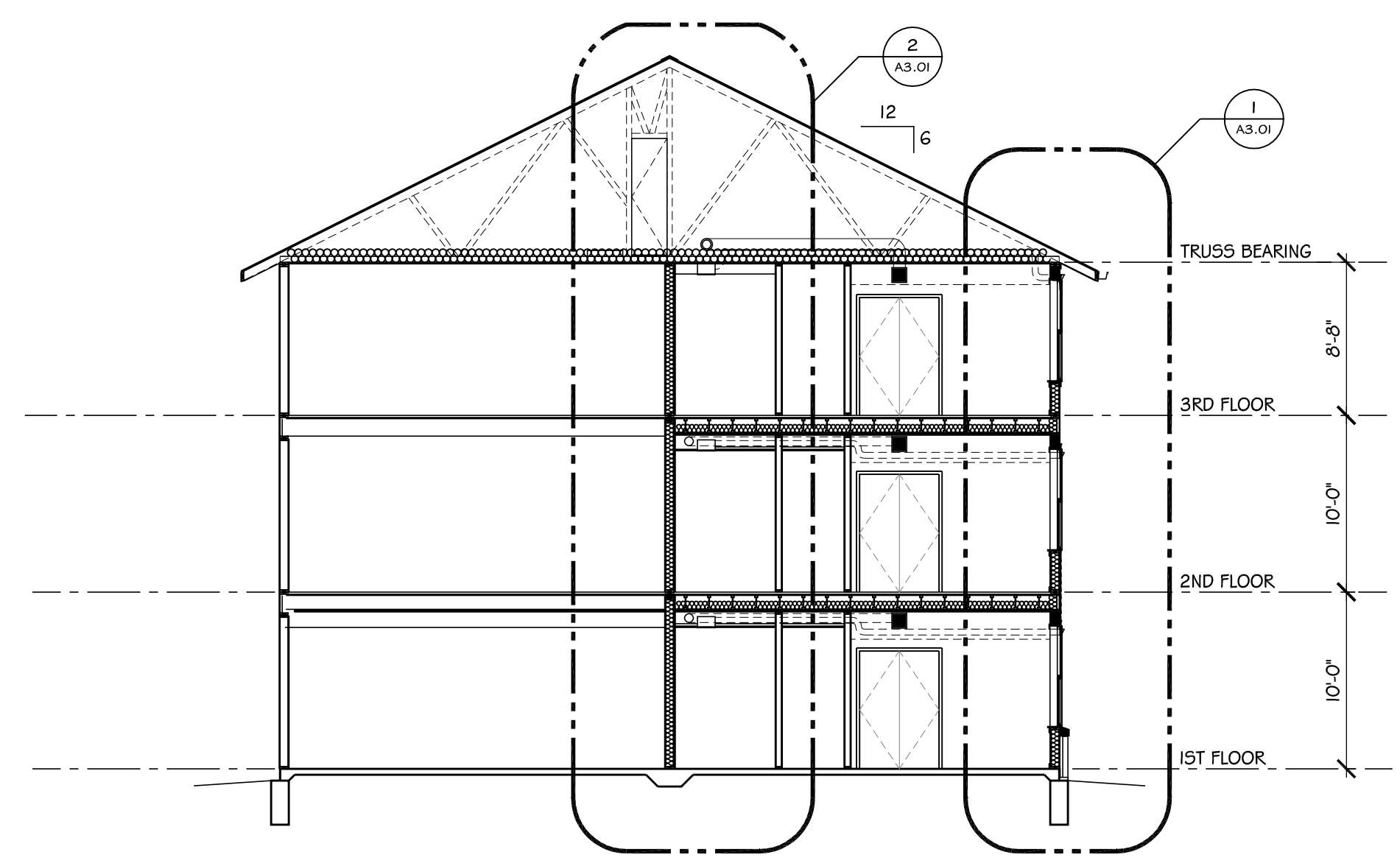
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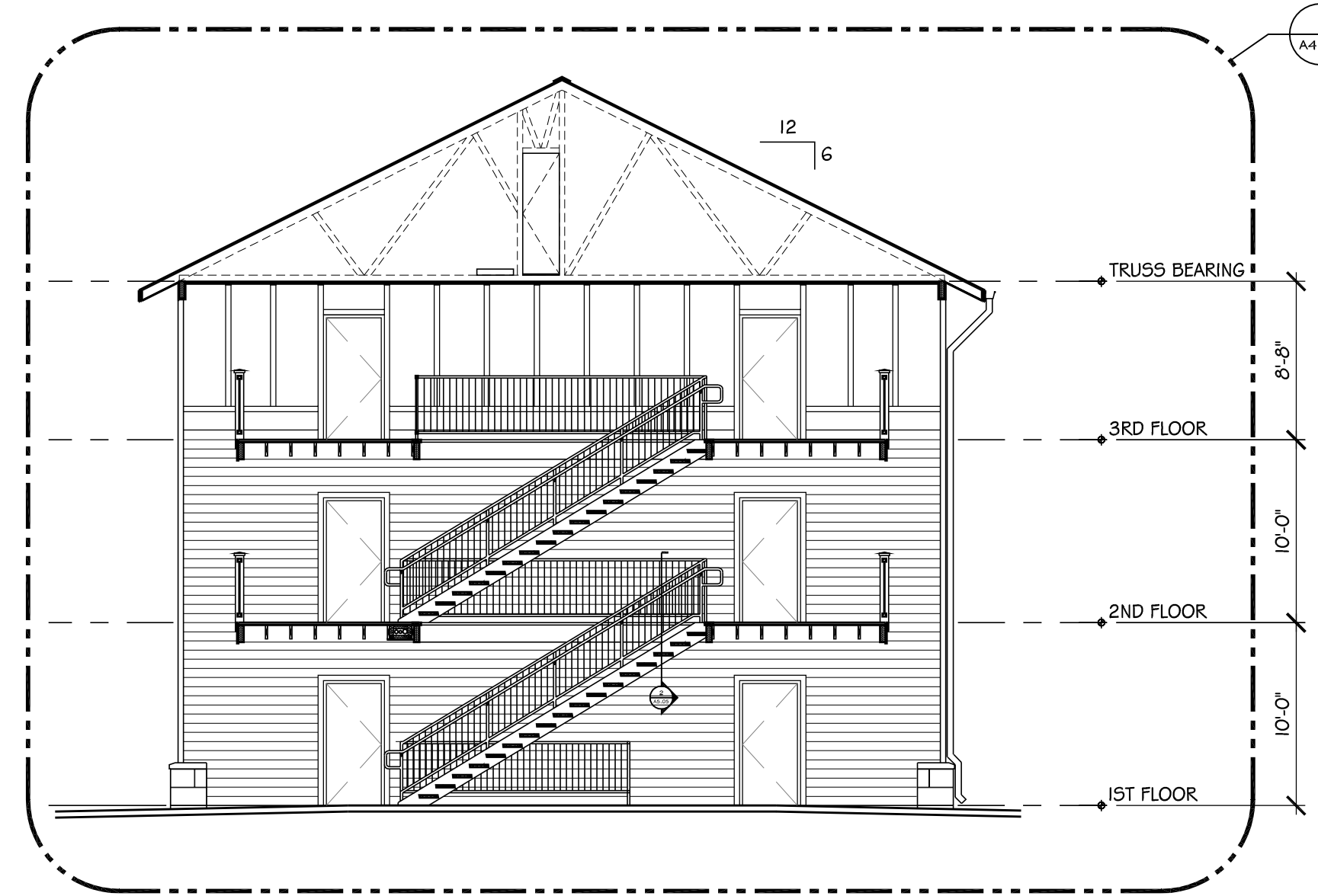
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4-28-08	

JOB #	
07-047	

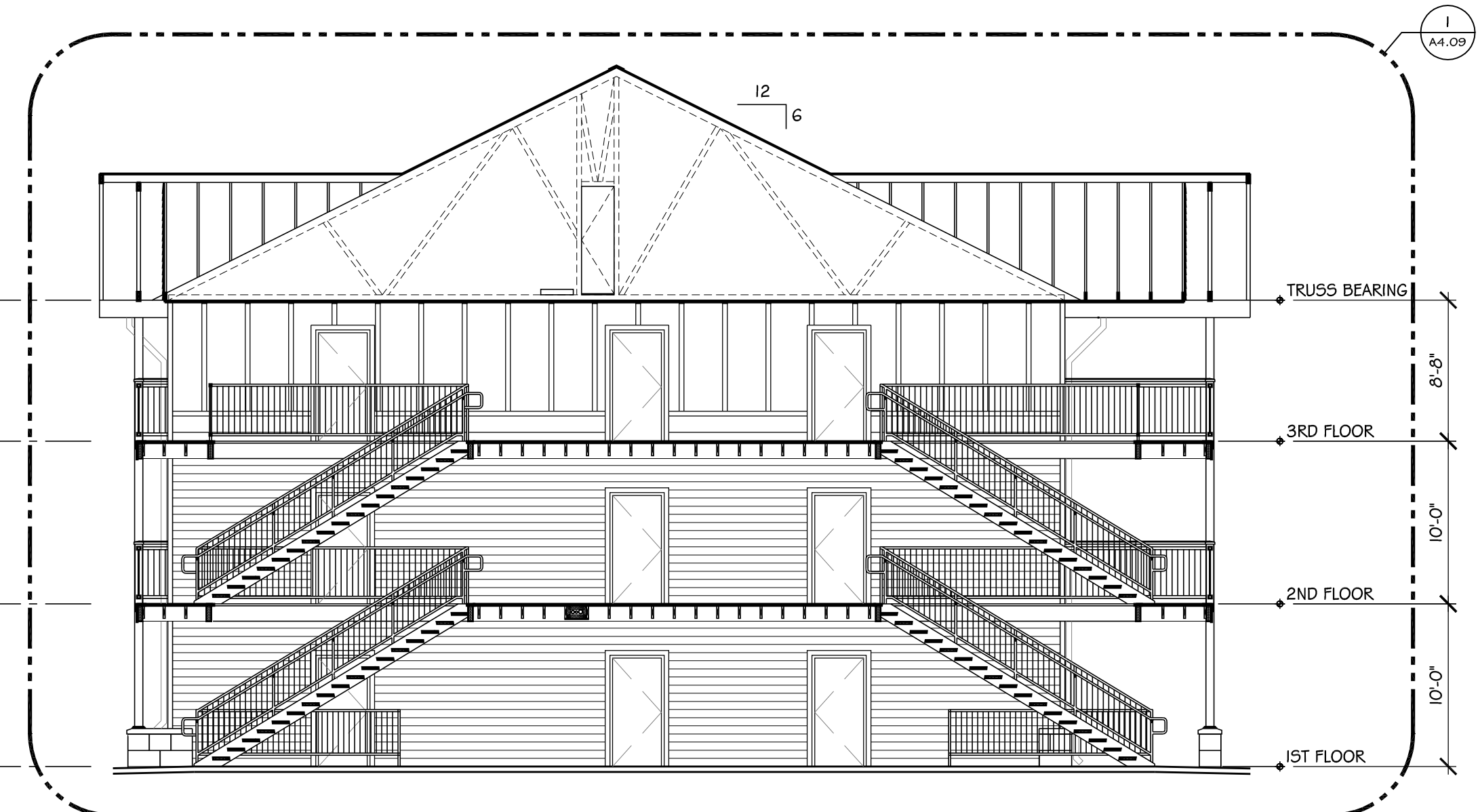
ISSUE	
A2.04	



1 BUILDING SECTION
 SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
 SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
 SCALE: 1/8" = 1'-0"



PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

CONTENTS
BUILDING SECTION - BUILDING D

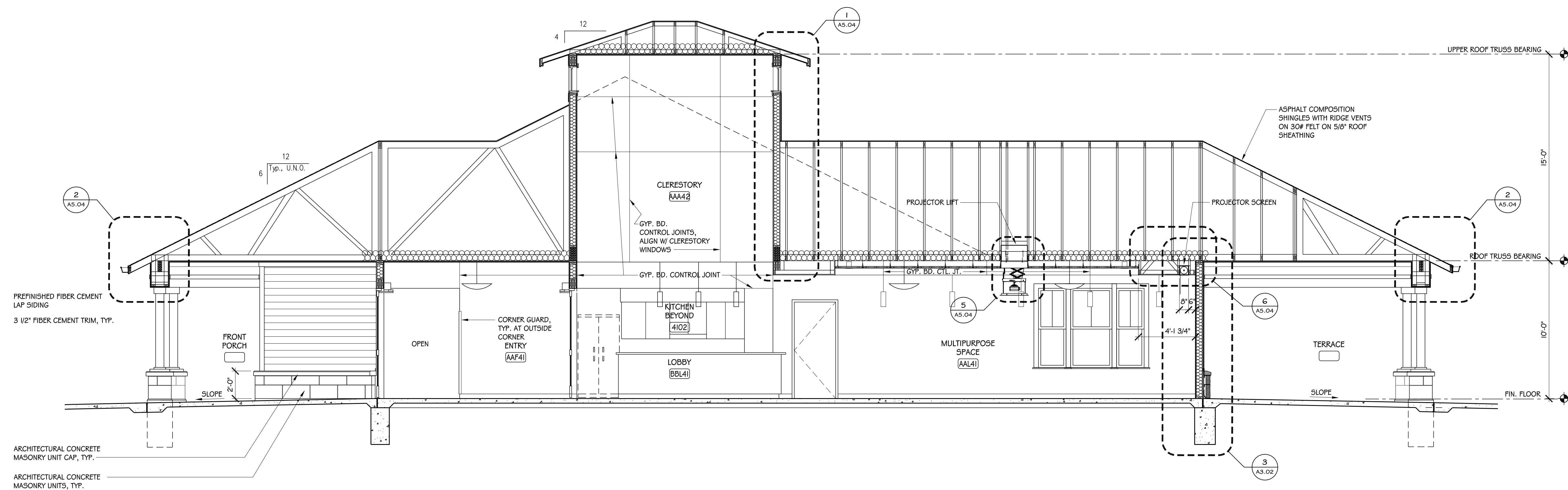
WITTENBERG, DELONY & DAVIDSON, INC.

SHEET	DATE	REVISIONS
	4-28-08	

JOB #
07-047

ISSUE

A2.05



1 **BUILDING SECTION LOOKING NORTH**
SCALE: 1/4" = 1'-0"

2
AS.04
PREFINISHED FIBER CEMENT
LAP SIDING
3 1/2" FIBER CEMENT TRIM, TYP.

ARCHITECTURAL CONCRETE
MASONRY UNIT CAP, TYP.
ARCHITECTURAL CONCRETE
MASONRY UNITS, TYP.

ASPHALT COMPOSITION
SHINGLES WITH RIDGE VENTS
ON 30# FELT ON 5/8" ROOF
SHEATHING

CLERESTORY
AAA42

GYP. BD. CONTROL JOINTS,
ALIGN W/ CLERESTORY
WINDOWS

GYP. BD. CONTROL JOINT

CORNER GUARD,
TYP. AT OUTSIDE
CORNER
ENTRY
AAF41

KITCHEN
BEYOND
4102

LOBBY
BBL41

5
AS.04

MULTIPURPOSE
SPACE
AAL41

PROJECTOR LIFT

PROJECTOR SCREEN

6
AS.04

TERRACE

SLOPE

3
AS.02

UPPER ROOF TRUSS BEARING

ROOF TRUSS BEARING

FIN. FLOOR

12
Typ. U.N.O.

FRONT
PORCH

SLOPE
2'-0"

OPEN

15'-0"

10'-0"

1
AS.04

2
AS.04

4
AS.02

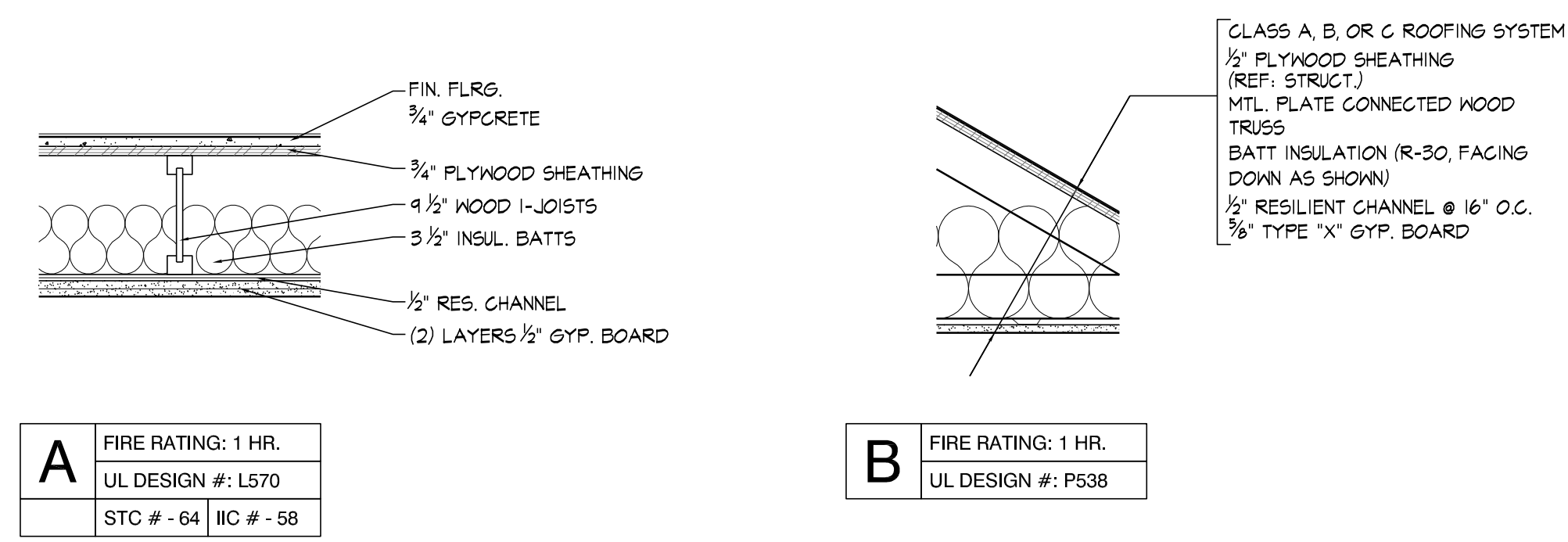
4

12

6

8'-6"

4'-1 3/4"

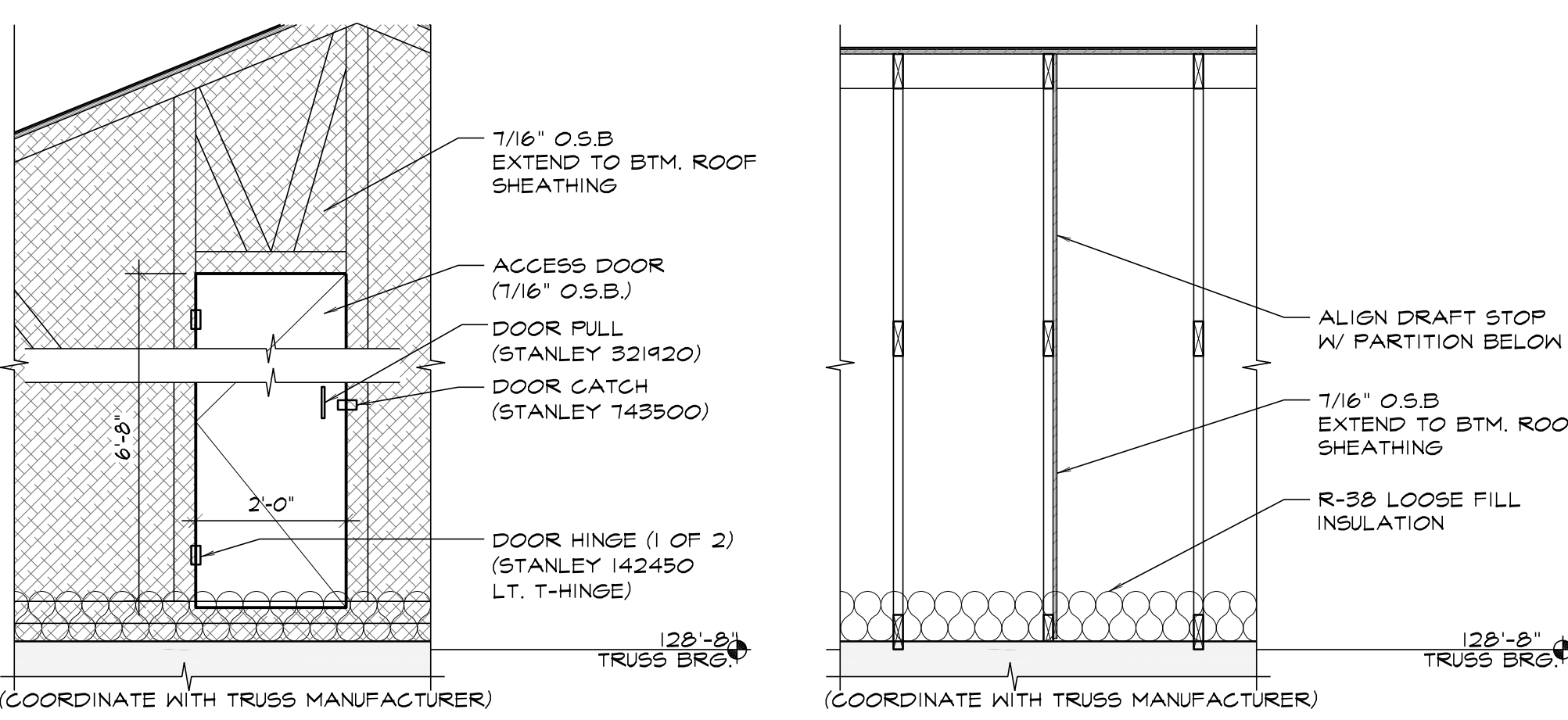


A	FIRE RATING: 1 HR.
	UL DESIGN #: L570
	STC # - 64 IIC # - 58

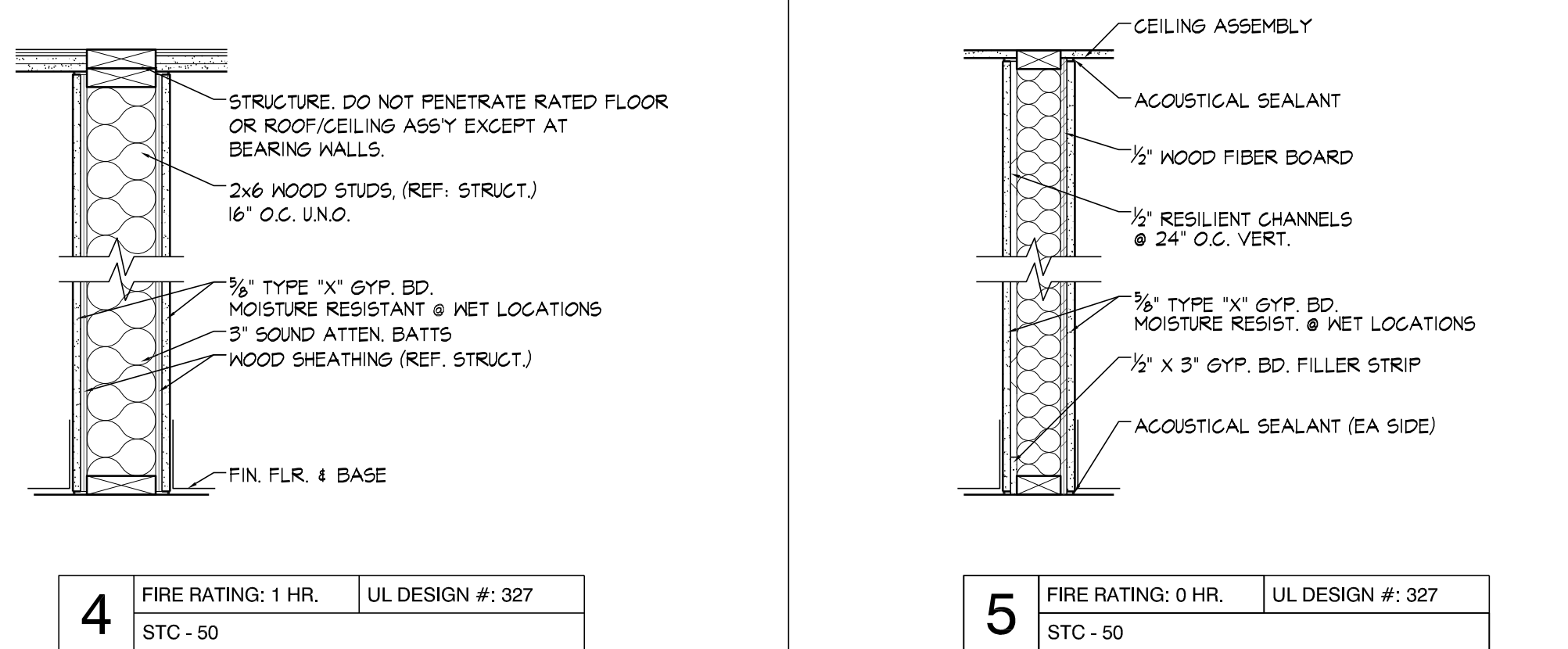
B	FIRE RATING: 1 HR.
	UL DESIGN #: P538

SEE UL #S FOR ADDITIONAL INFORMATION & REQUIREMENTS

1 FLOOR/CEILING ASSEMBLIES
1" = 1'-0"



3 ATTIC DRAFT STOP
1/2" = 1'-0"

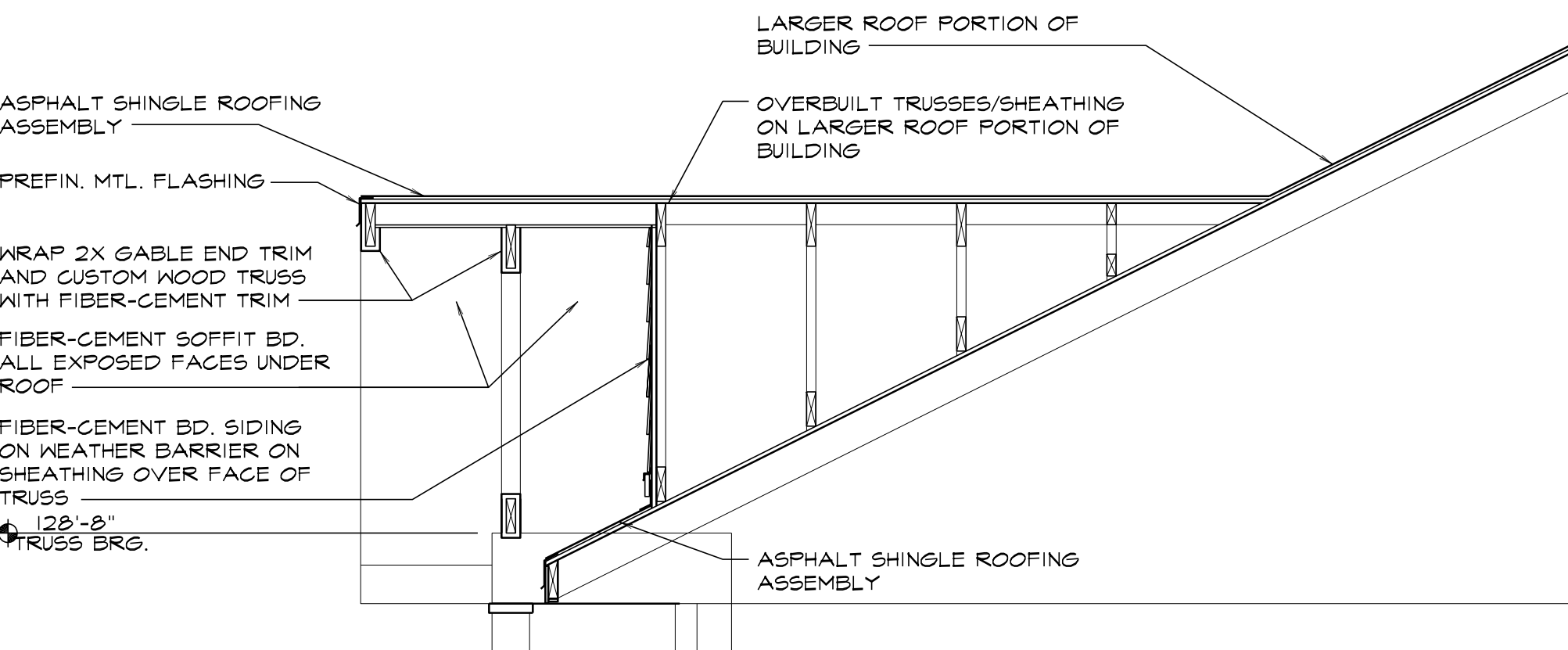


4	FIRE RATING: 1 HR.	UL DESIGN #: 327
	STC - 50	

5	FIRE RATING: 0 HR.	UL DESIGN #: 327
	STC - 50	

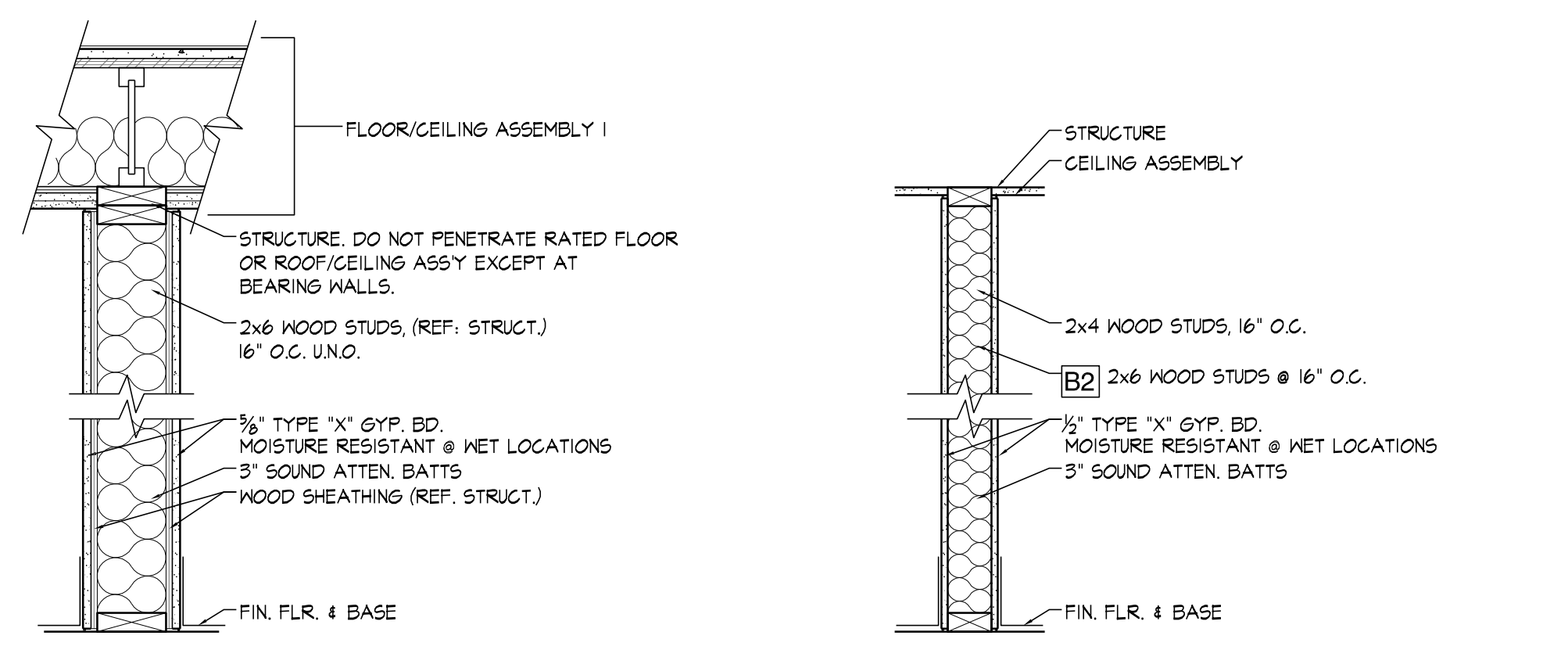
4 COMMONS - FIRE-RATED WALL
1" = 1'-0"

5 COMMONS - "SOUND" WALL
1" = 1'-0"



6 ROOF DETAIL - DECORATIVE TRUSS
1/2" = 1'-0"

PARTITION TYPE NOTES:
1. CONTRACTOR TO REVIEW CODE ANALYSIS FOR ADDITIONAL COMMENTS/REQUIREMENTS FOR CONSTRUCTION.
2. CONTRACTOR TO REFERENCE UL REQUIREMENTS (OR PROVIDE APPROVED EQUALS) FOR CONSTRUCTION METHODOLOGIES.
3. WHEN NON-FIRE RATED WALLS OR PARTITIONS INTERSECT FIRE RATED WALLS OR PARTITIONS, THE CONSTRUCTION OF THE FIRE RATED WALLS SHALL CARRY THROUGH.
4. WHEN TWO FIRE RATED WALL PARTITIONS MEET OR INTERSECT, THE CONSTRUCTION OF THE HIGHER RATED WALL SHALL CARRY THROUGH.
5. FRAME AROUND DUCTWORK AT WALL PARTITION LOCATIONS AND BRACE STUDS AS REQUIRED FOR RIGID CONSTRUCTION.
6. PROVIDE DOUBLE WOOD STUDS AT JAMBS UNO.

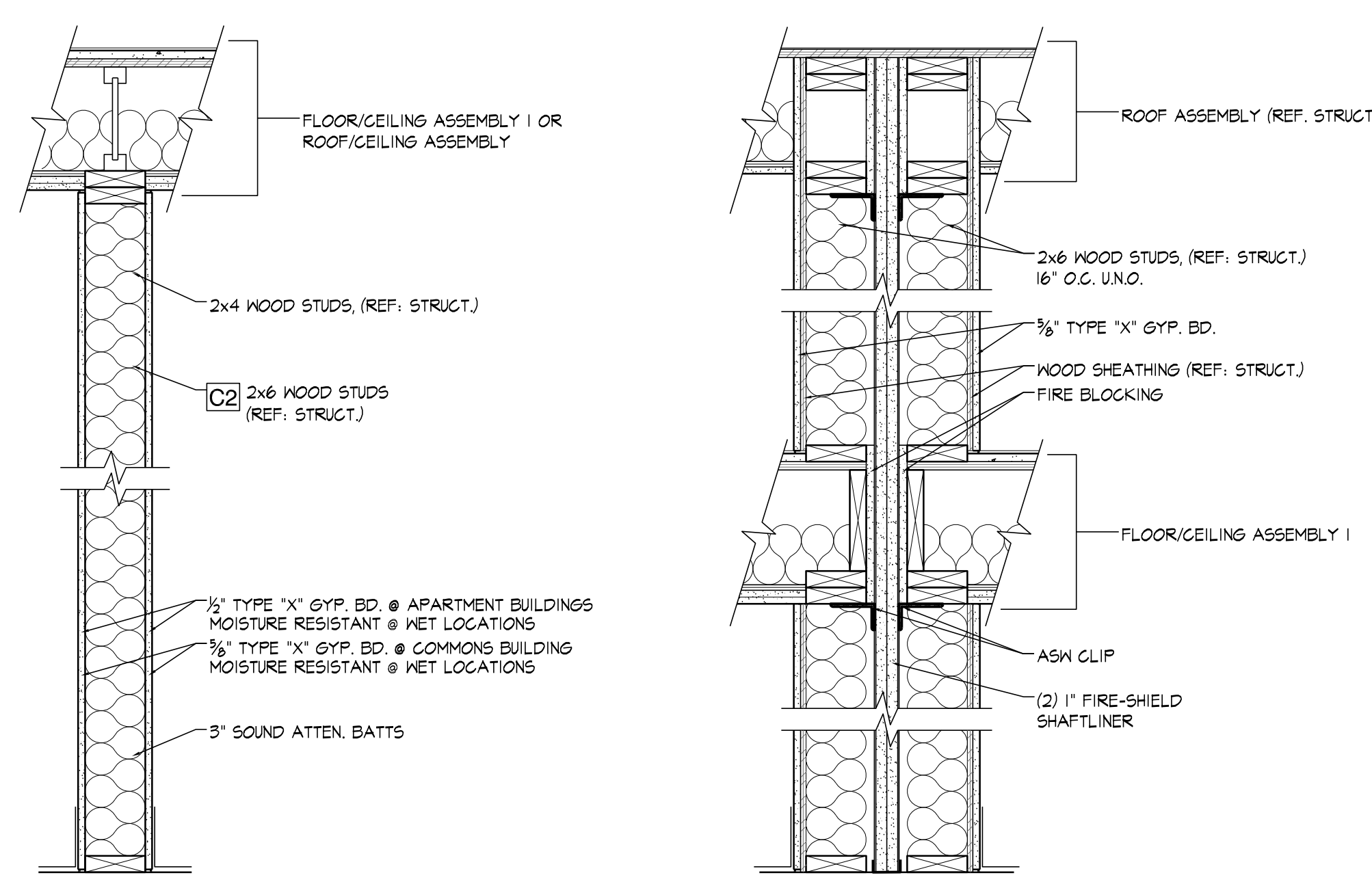


TYP. RATED, BEARING, SHEAR WALL

A	FIRE RATING: 1 HR.	UL DESIGN #: 327
	STC - 50	

TYP. NON-RATED, NON-BEARING PARTITION

B	FIRE RATING: 0 HR.	UL DESIGN #: N/A
B1	2X4 WOOD STUDS	
B2	2X6 WOOD STUDS IN LIEU OF 2X4	

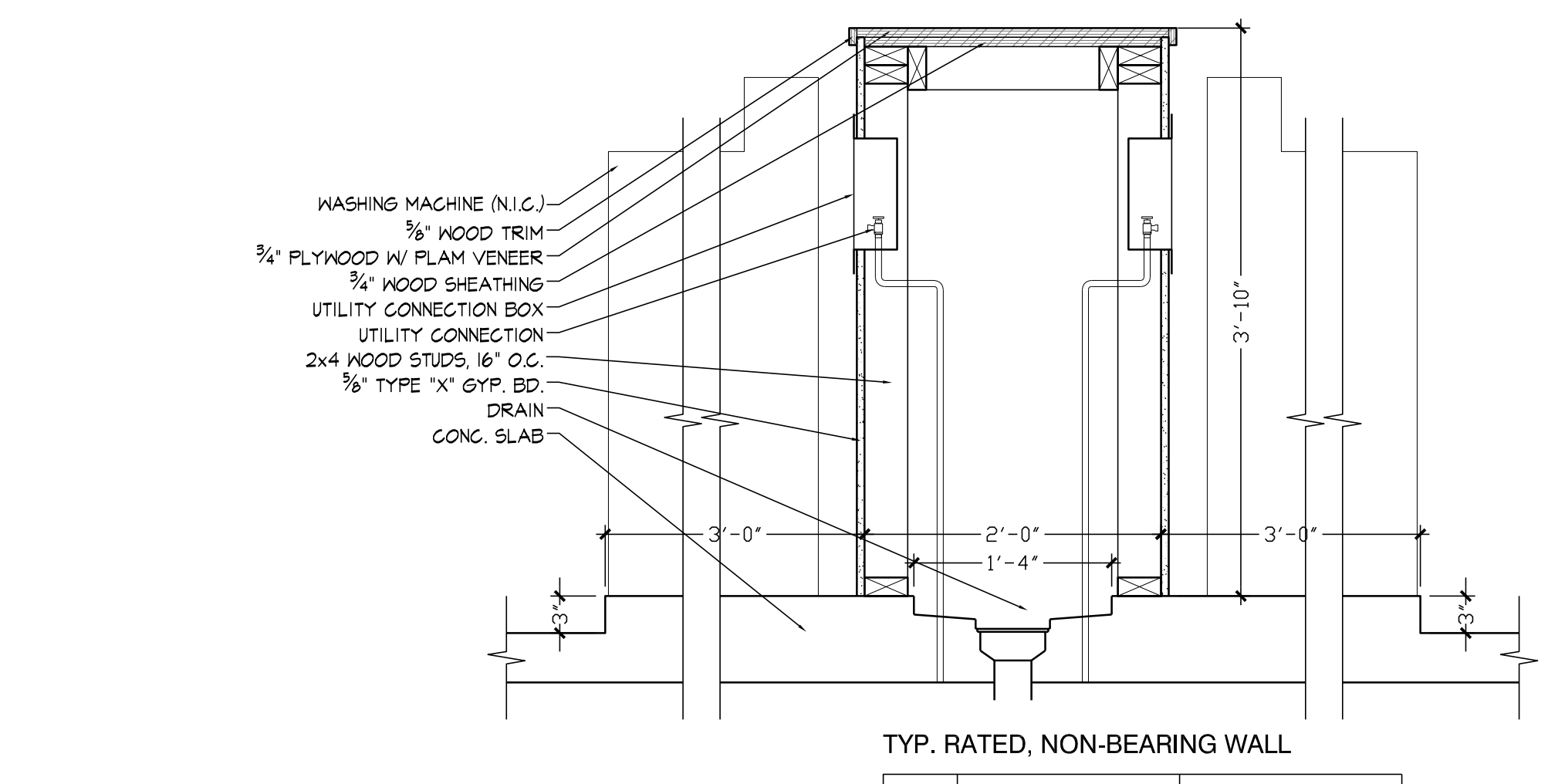


TYP. NON-RATED, BEARING WALL

C	FIRE RATING: 0 HR.	UL DESIGN #: N/A
	STC - N/A	
C1	2X4 WOOD STUDS	
C2	2X6 WOOD STUDS IN LIEU OF 2X4	

TYP. RATED, BEARING, FIRE AREA SEPARATION

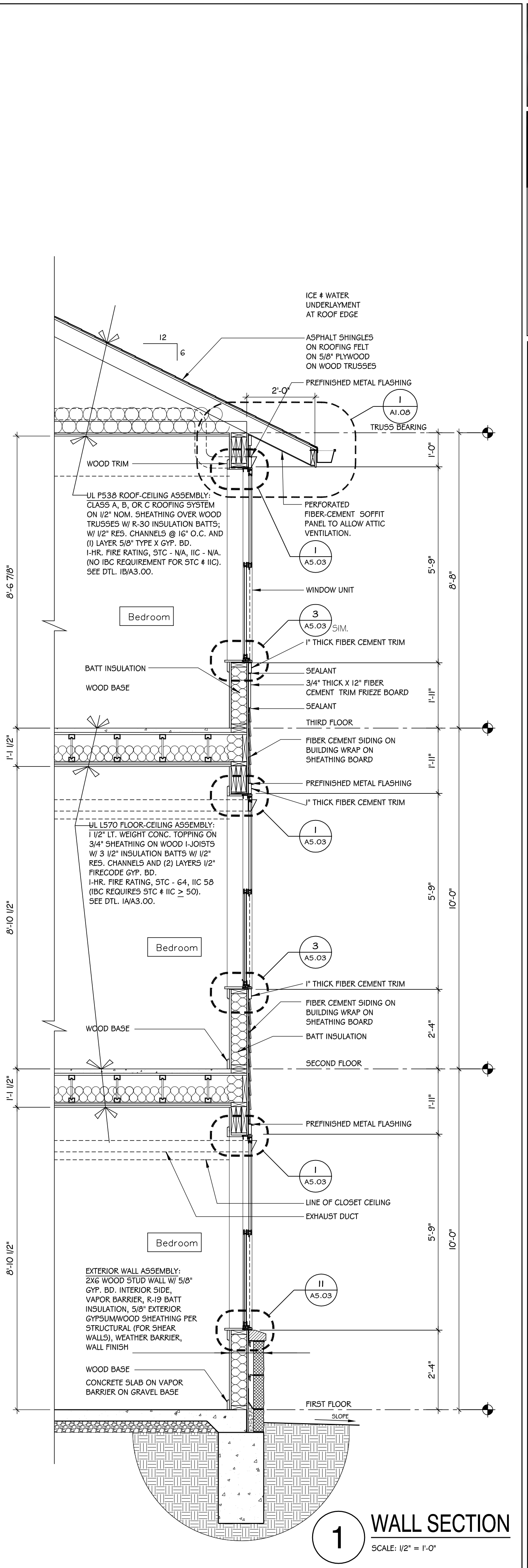
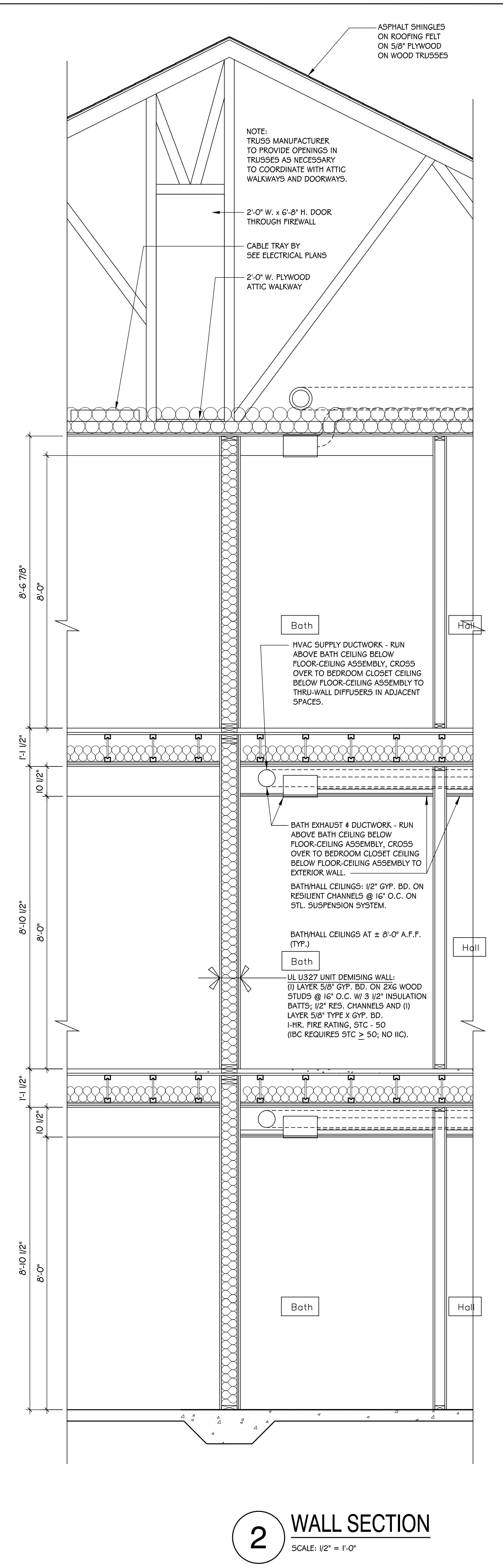
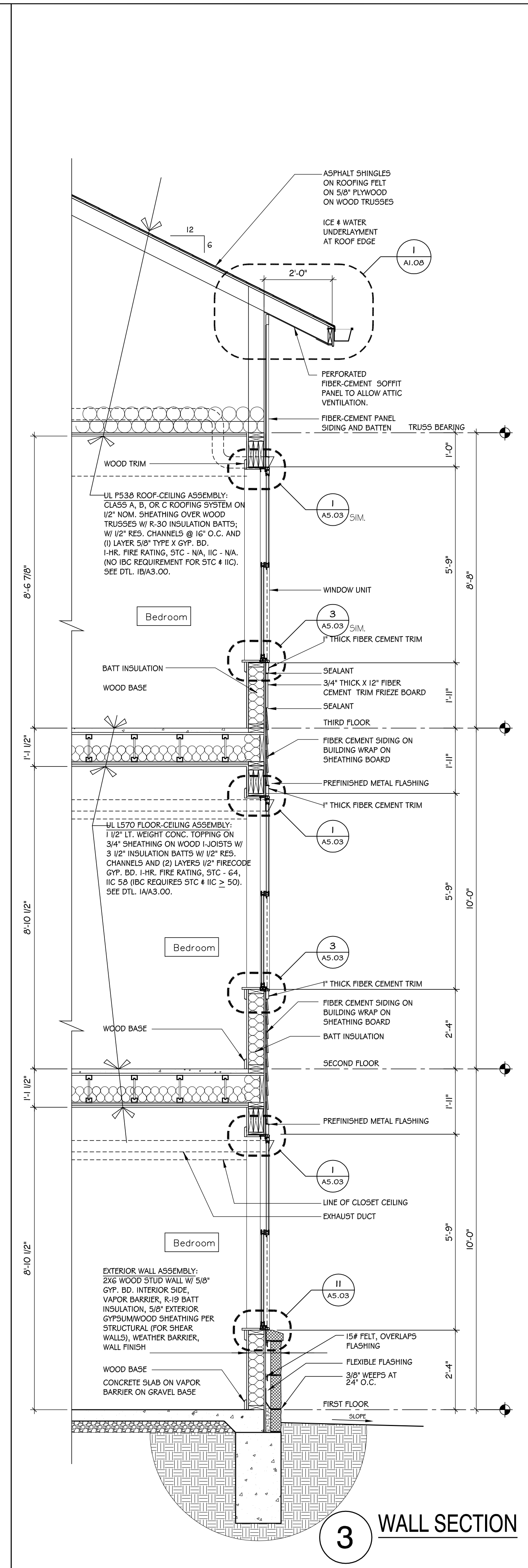
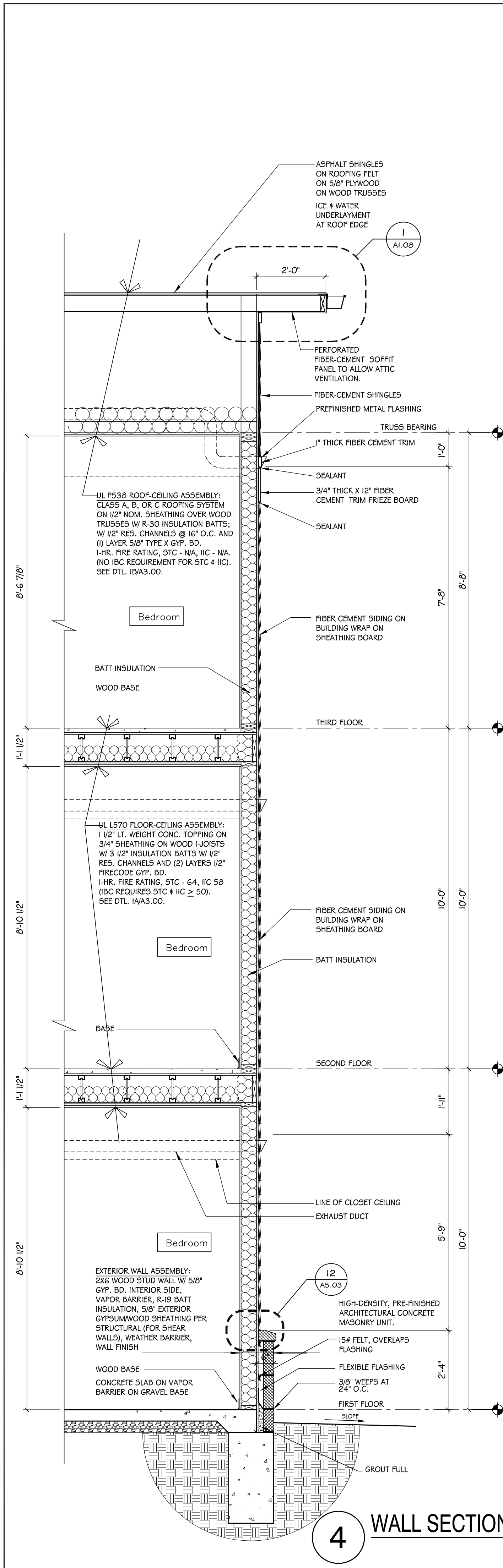
D	FIRE RATING: 0 HR.	UL DESIGN #: N/A
	STC - N/A	



2 PARTITIONS
1" = 1'-0"

TYP. RATED, NON-BEARING WALL

E	FIRE RATING: 0 HR.	UL DESIGN #: N/A
	STC - N/A	



TREANOR ARCHITECTS P.A.
1417 West 9th Street
Kansas City, Missouri 64108-1314
Office: 816.221.0900
Fax: 816.221.4992
www.treanorarchitects.com

WD&D ARCHITECTS

REGISTERED ARCHITECT
STATE OF ARKANSAS
C-13

WITTENBERG, DELONY & DAVIDSON, INC.

Student Apartments
Arkansas State University
Jonesboro, Arkansas

PROJECT TITLE

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DATE

4-28-08

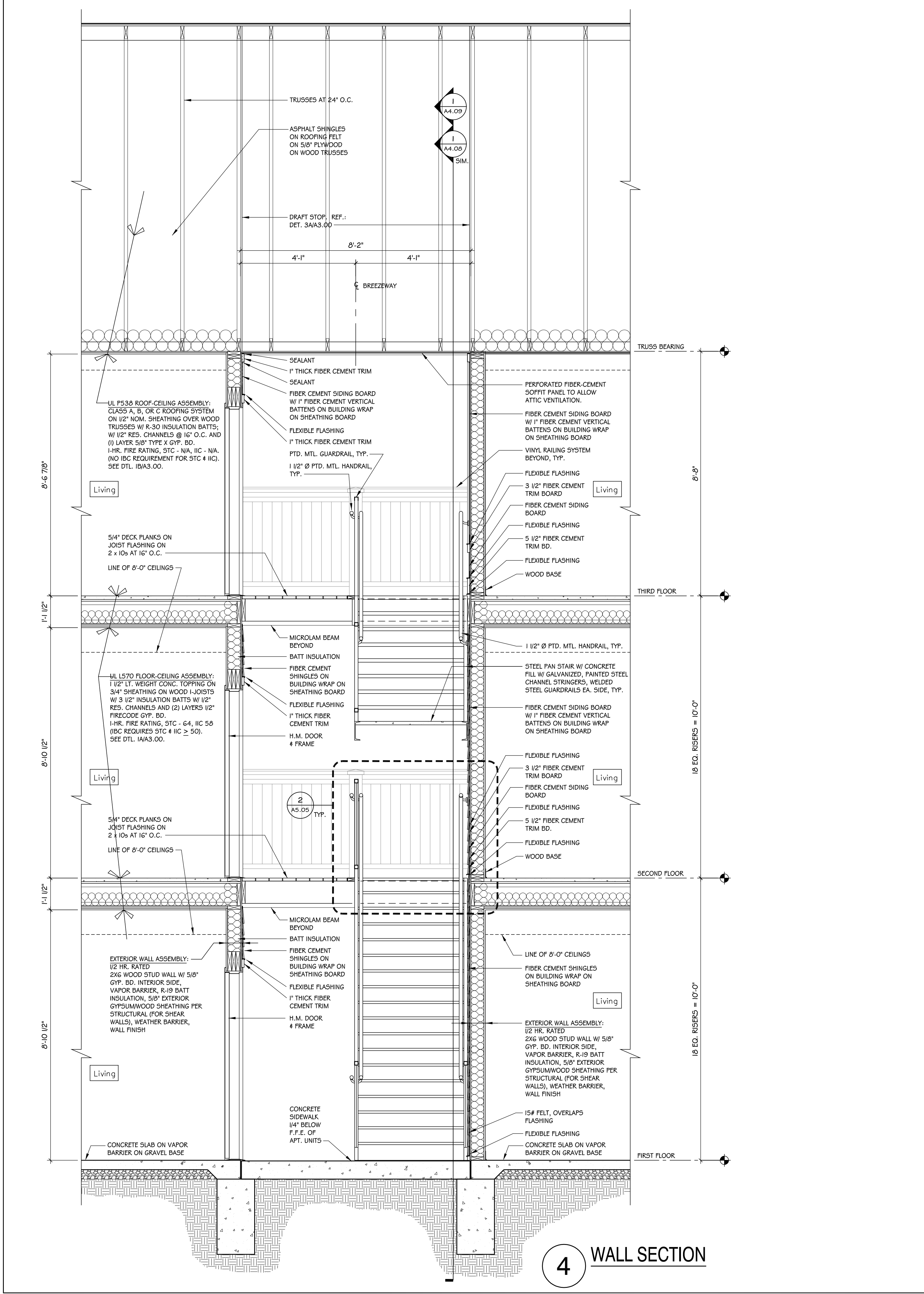
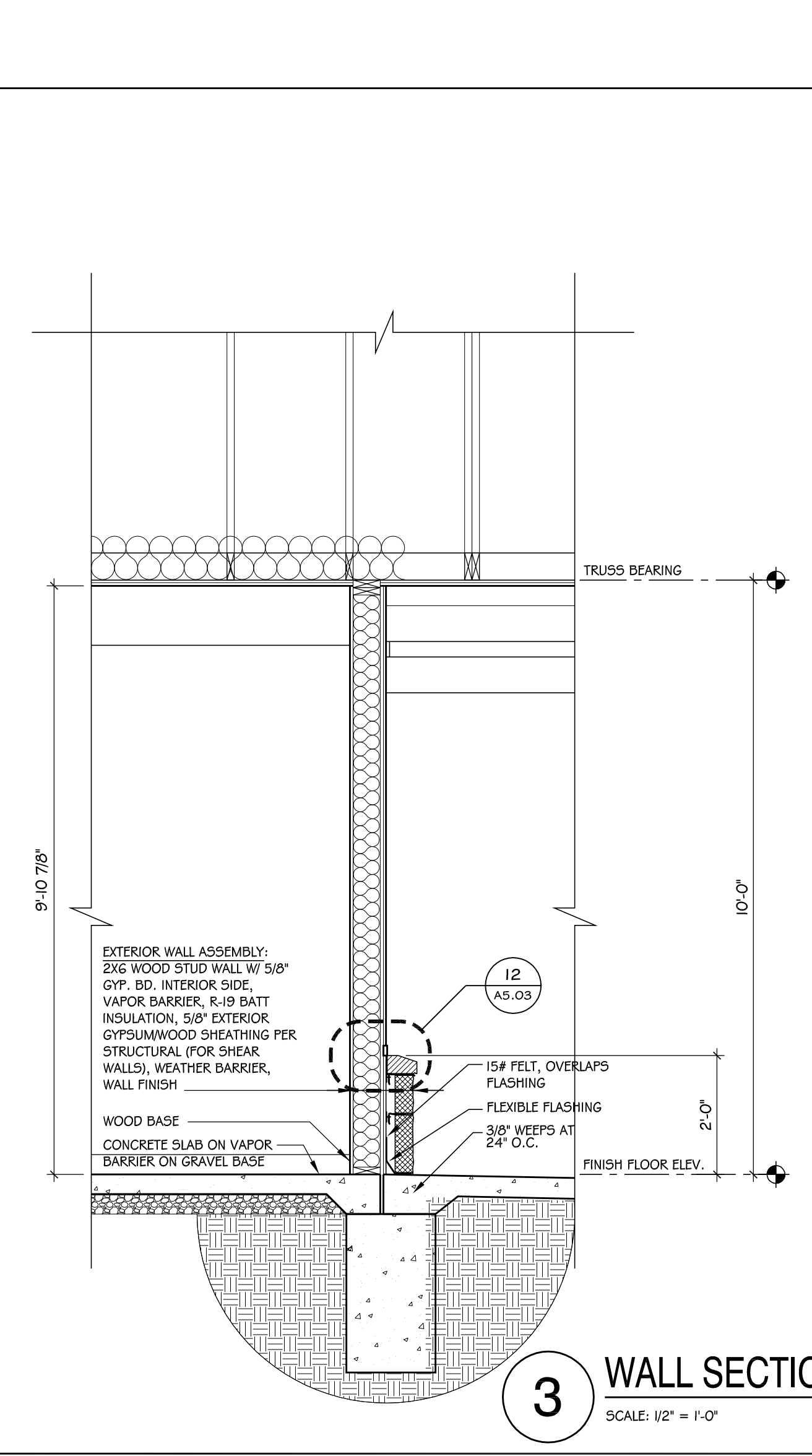
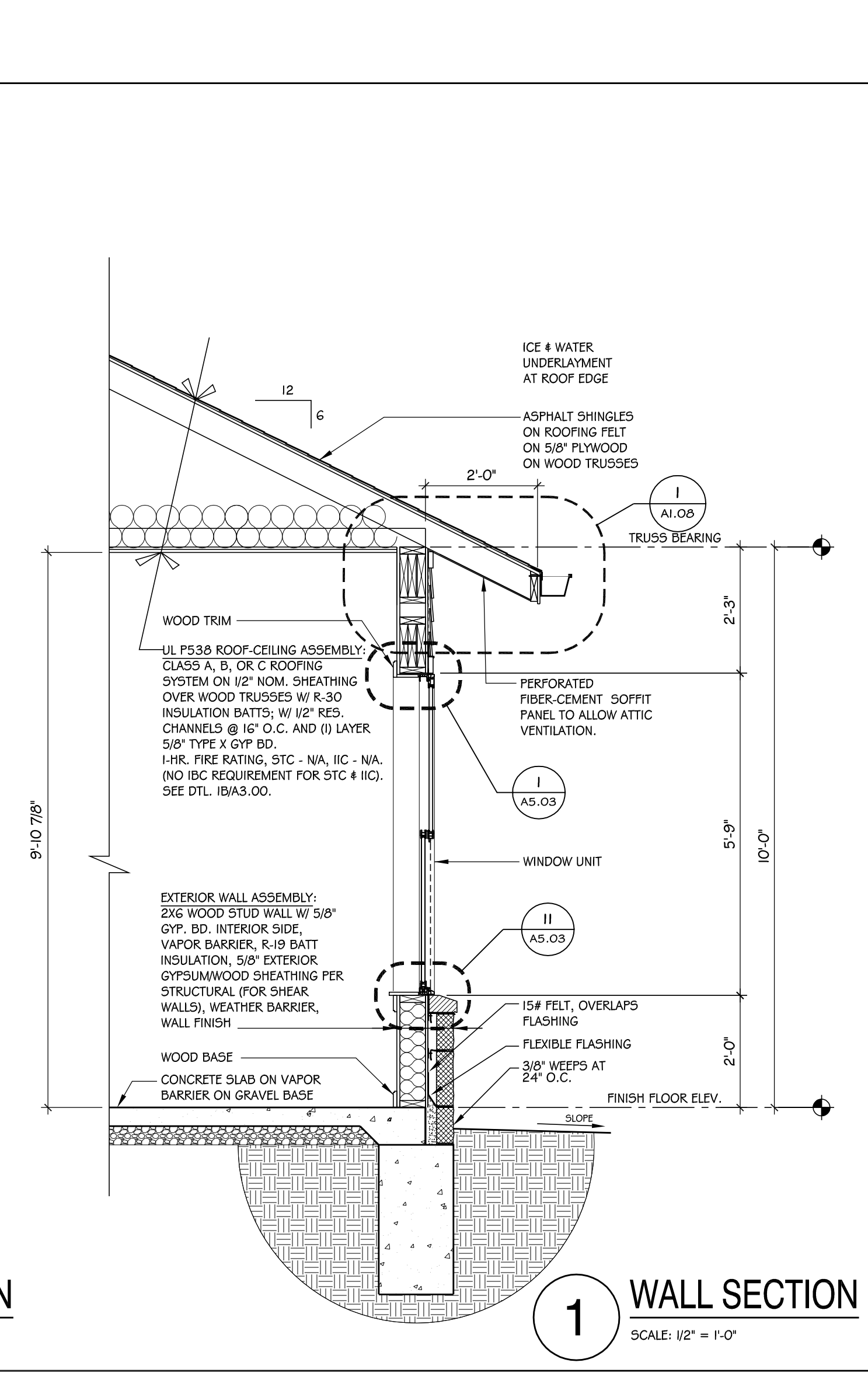
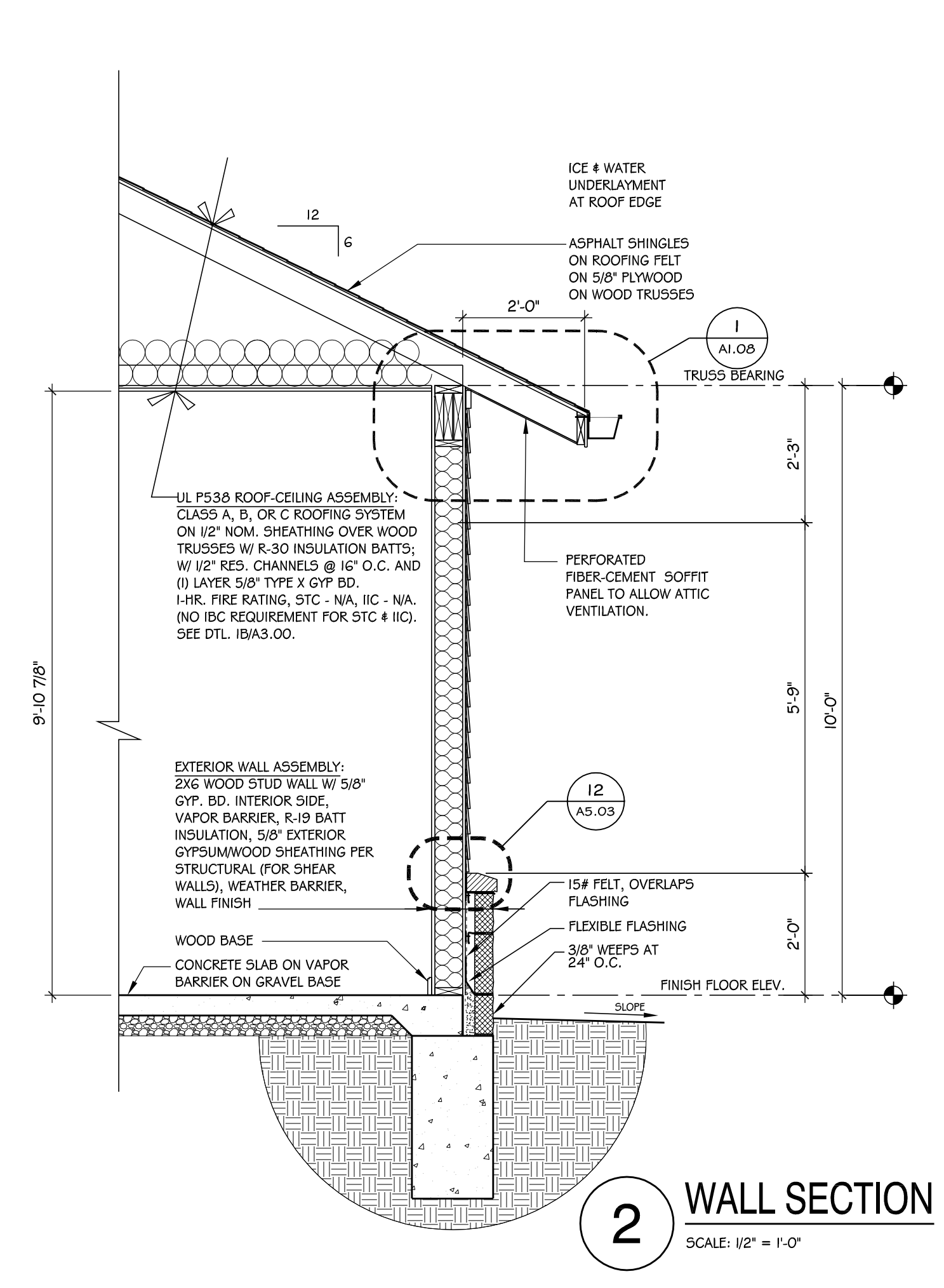
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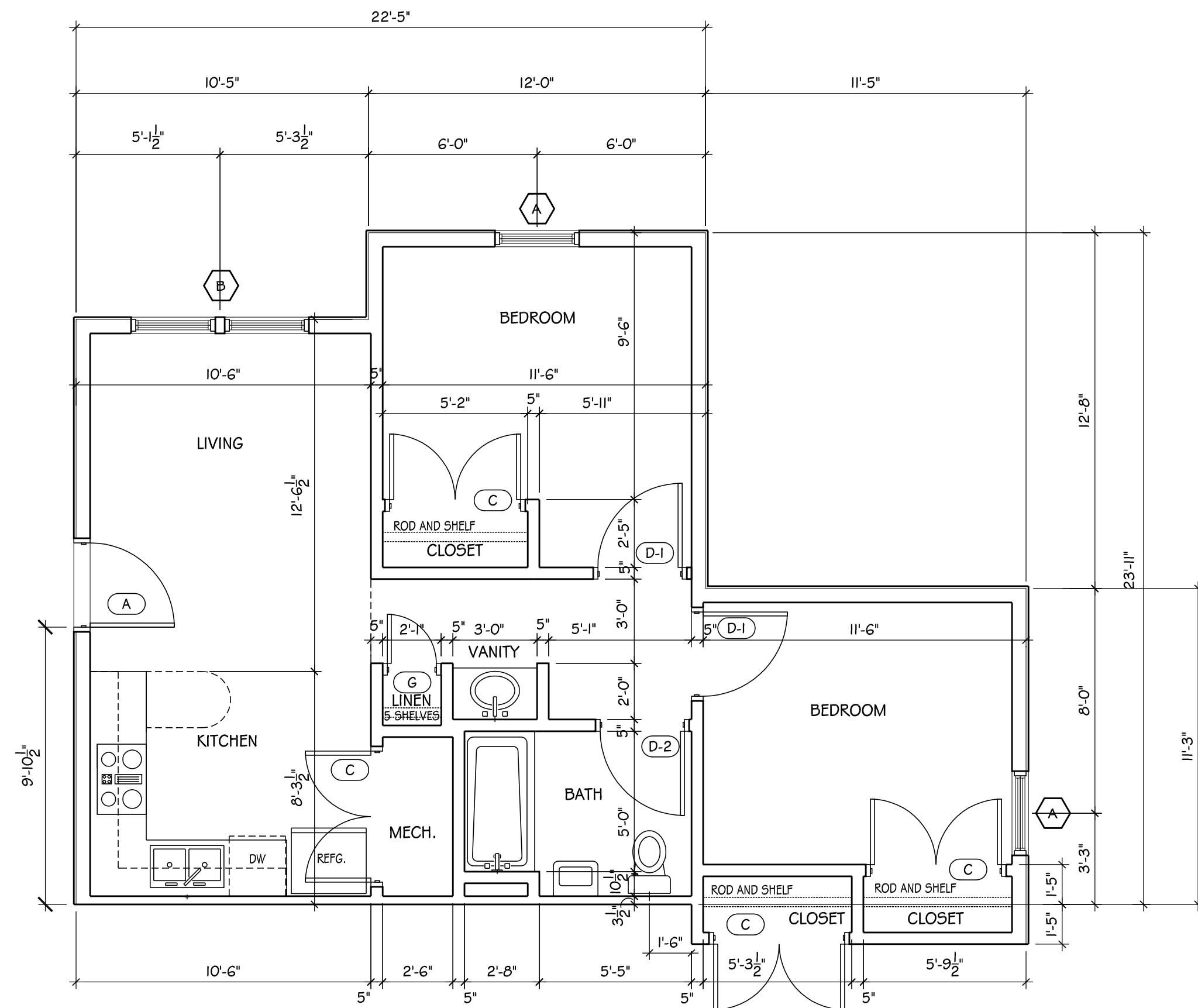
07-047

SHEET

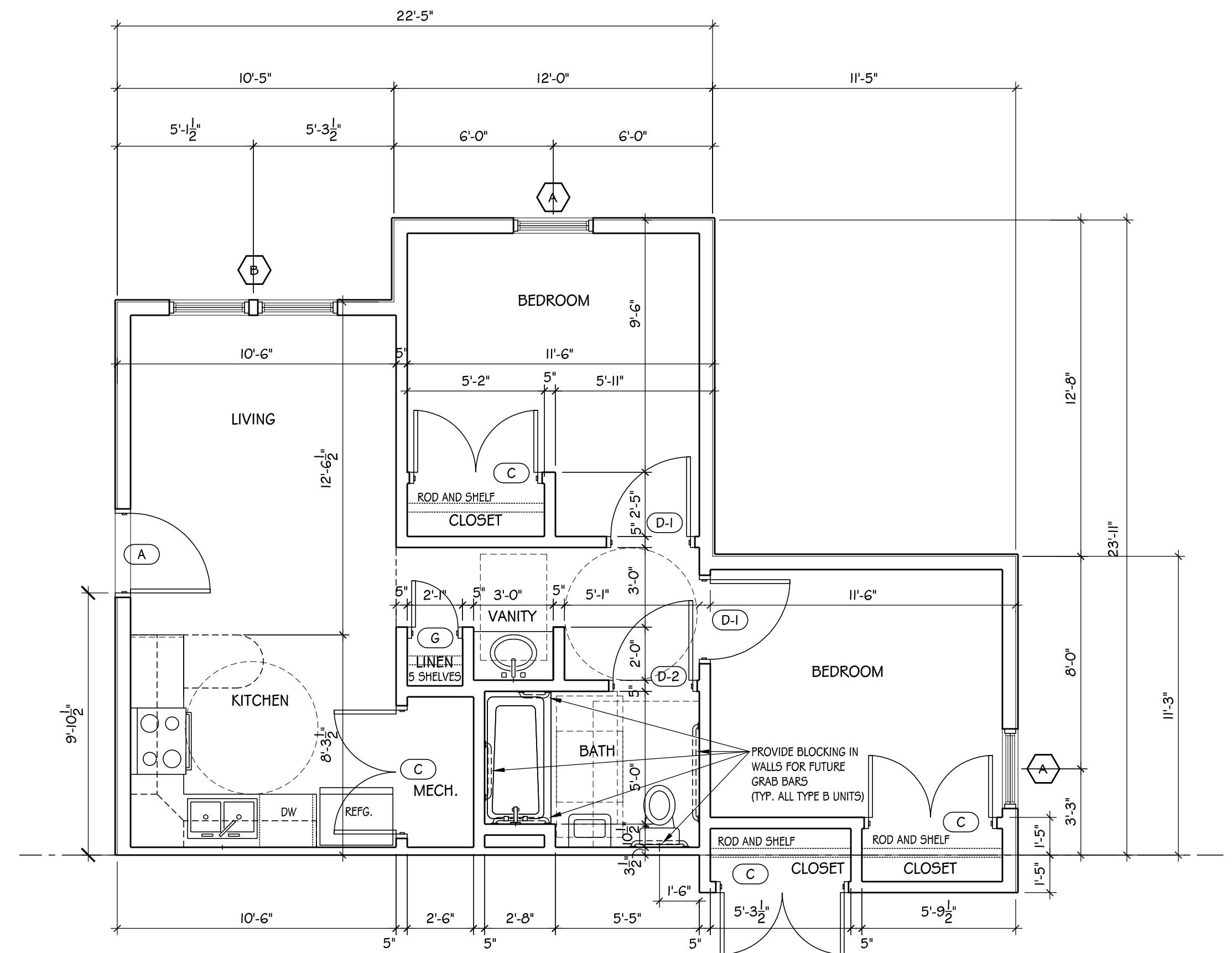
ISSUE

A3.01

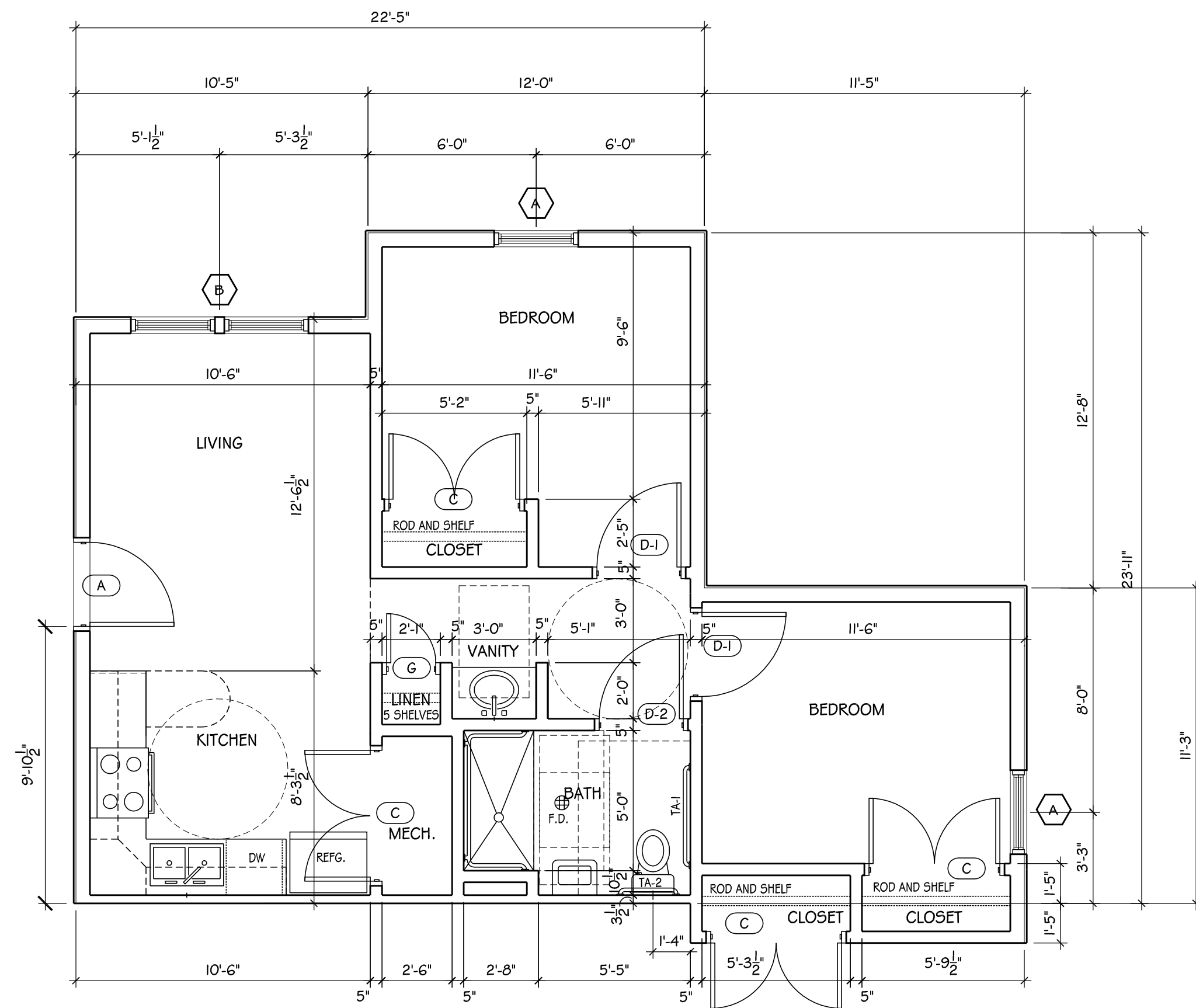




1 2 BED/2 PERSON APARTMENT
SCALE: 1/4" = 1'-0"



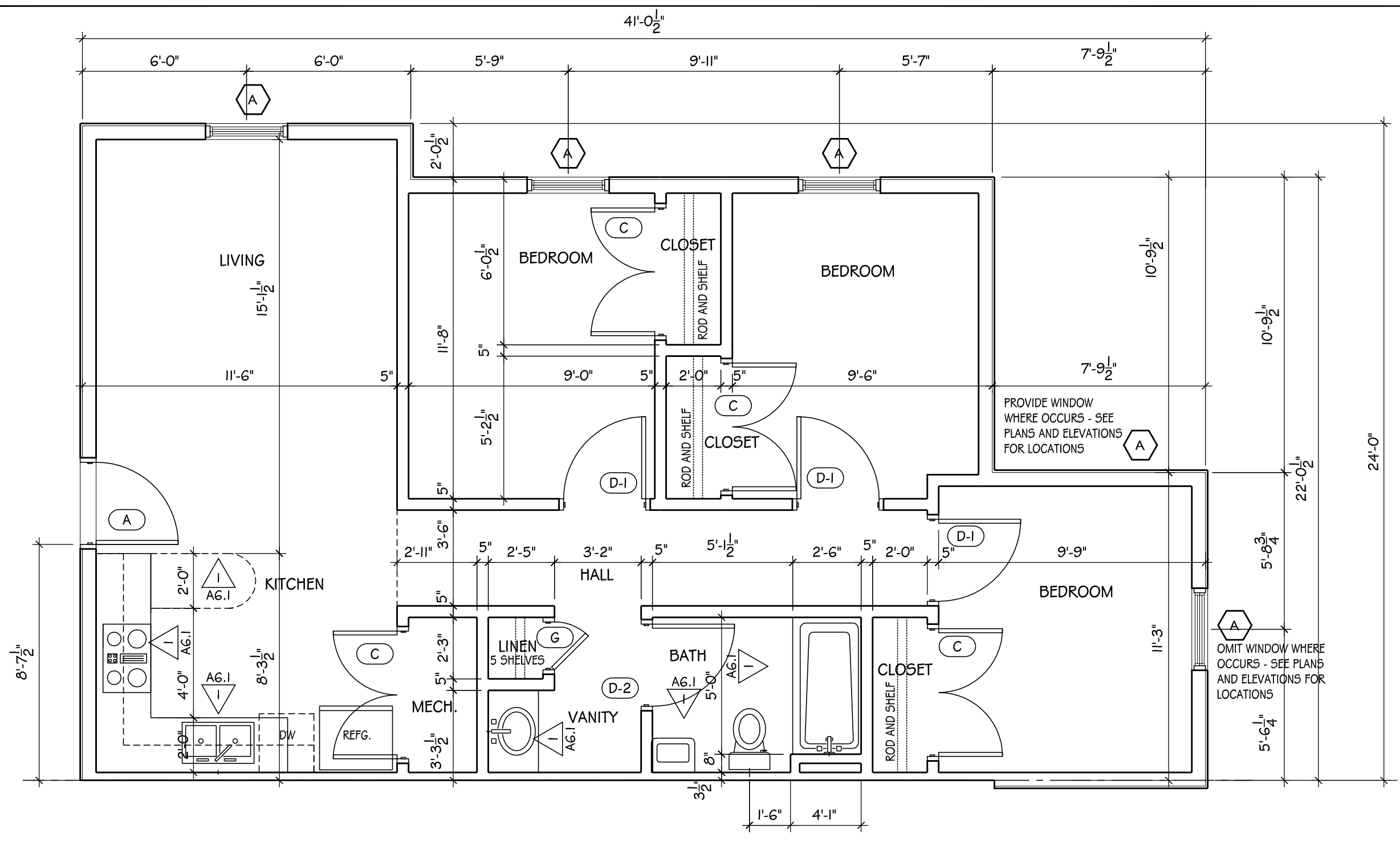
3 2 BED/2 PERSON APARTMENT - HC ADAPTABLE TYPE B UNIT
SCALE: 1/4" = 1'-0"



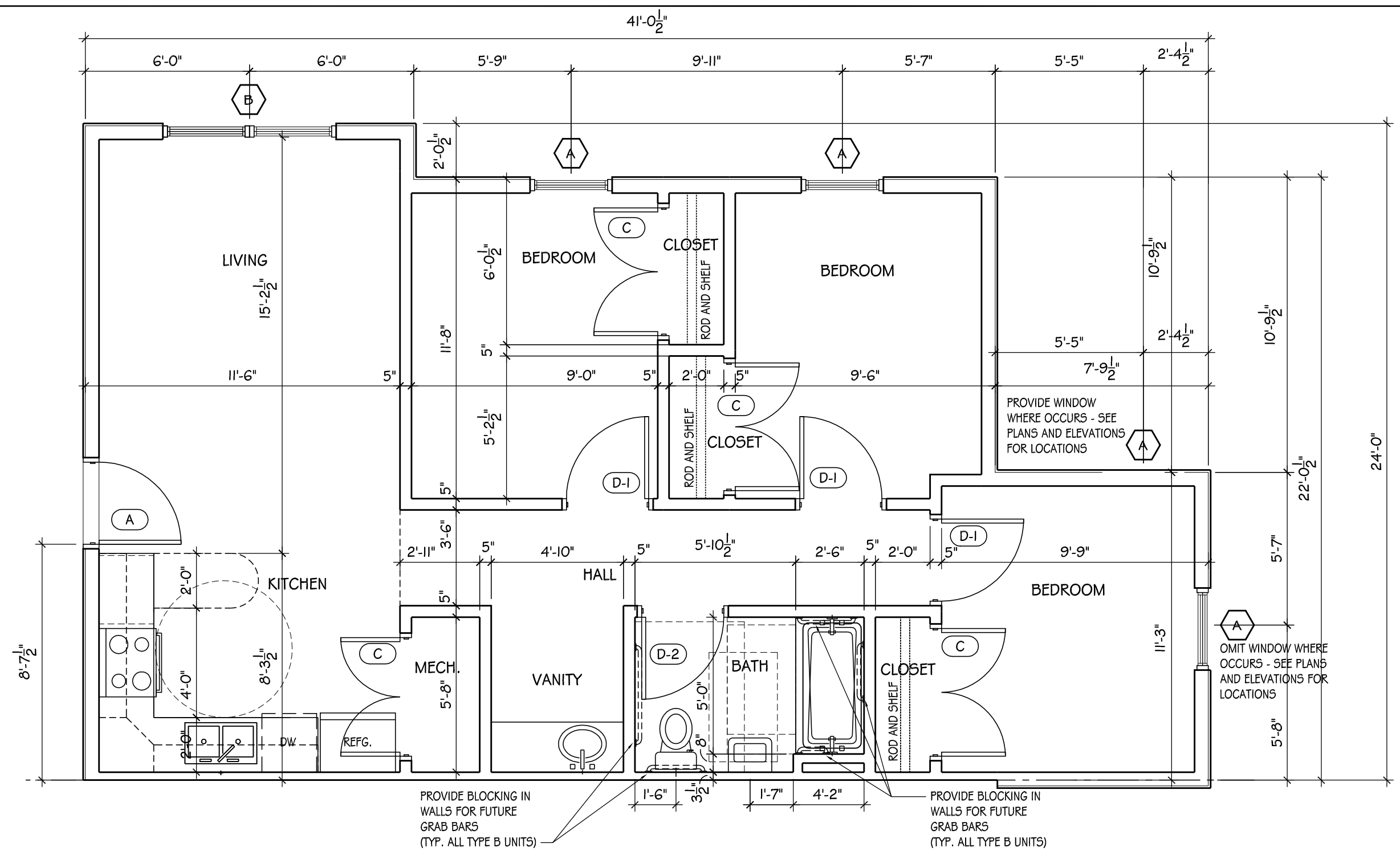
2 2 BED/2 PERSON APARTMENT - HC TYPE A UNIT
SCALE: 1/4" = 1'-0"

GENERAL PLAN NOTES:

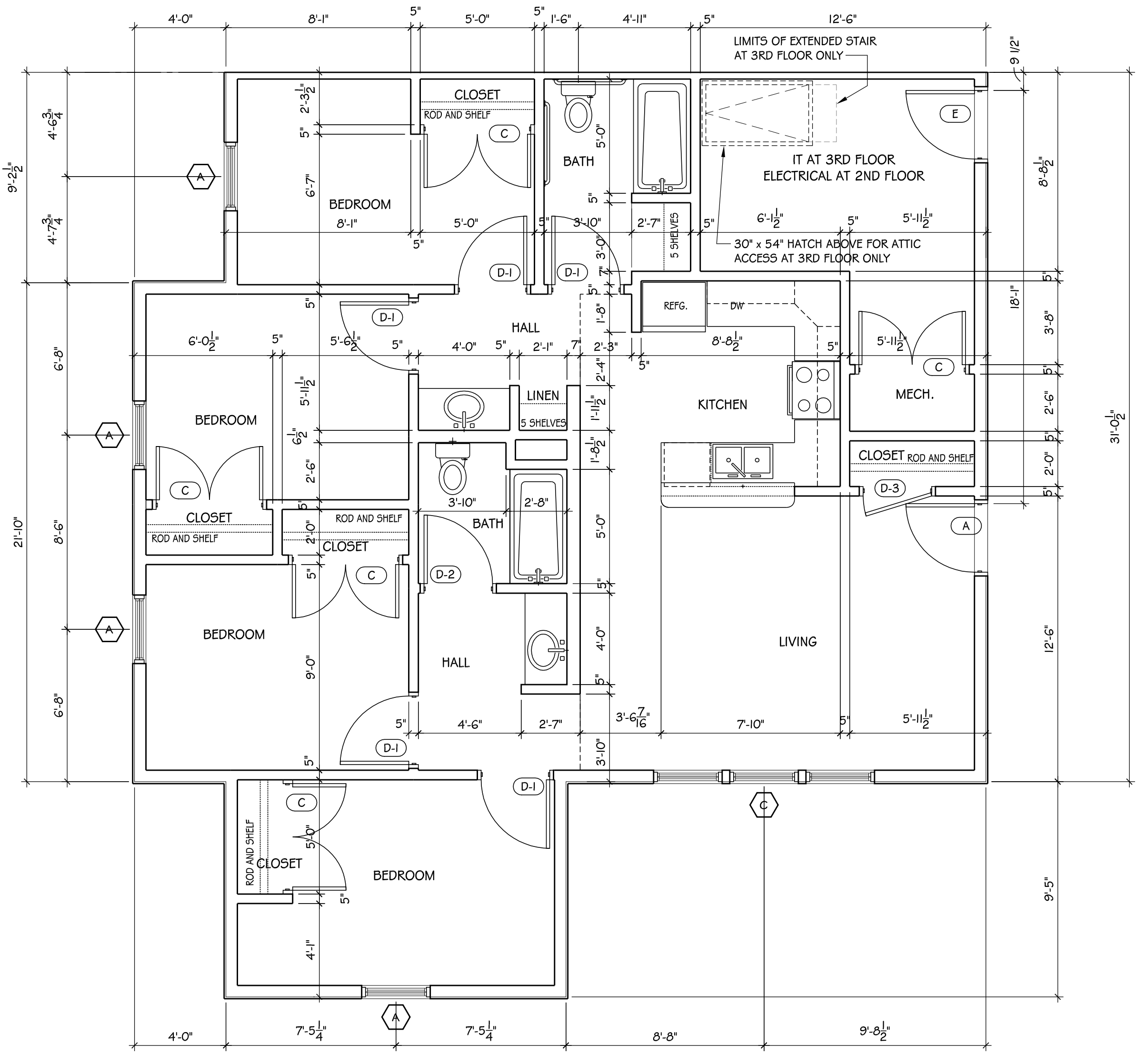
- 1.) ALL INTERIOR DIMENSIONS ARE TO FINISH FACE OF WALL OR TO CENTERLINE U.N.O. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF BRICK U.N.O.
- 2.) ALL TYPICAL INTERIOR NON-BEARING WALLS ARE TO BE 2BA/3.00 U.N.O.
- 3.) ALL BEARING WALLS ARE TO BE 2CA/3.00 U.N.O. (SEE STRUCTURAL DWGS. FOR BEARING WALL LOCATIONS)
- 4.) SEE RCP FOR SOUND WALL LOCATIONS (SEE 5/A3.00 FOR SOUND WALL DETAIL)
- 5.) GYPSUM BOARD THICKNESS CLARIFICATION:
 APARTMENTS
 • 5/8" GYP. 4 RESILIENT CHANNELS AT FIRE PARTITIONS SEPARATING UNITS.
 • 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS.
 • 5/8" GYP. AT APARTMENT EXTERIOR NON RATED WALLS.
 • 5/8" GYP. AT APARTMENT EXTERIOR RATED WALLS.
 COMMONS
 • 5/8" GYP. 4 RESILIENT CHANNELS AT DEMISING WALL AT RESIDENT DIRECTOR
 • 5/8" GYP. AT EXTERIOR WALLS
 • 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS
- 6.) AT ALL BEDROOM & LIVING ROOM CLOSETS PROVIDE A 3" PAINTED WOOD SHELF AND ROD ON BRACKETS. PROVIDE SHELF IN WIDTH AS REQUIRED BY BRACKETS (SEE HW-13)
- 7.) CORNER GUARDS:
 PROVIDE AT LOCATIONS INDICATED WITH C.G. ON PLANS.
 CORNER GUARDS TO BE KOROGARD WALL PROTECTION SYSTEM OR EQUAL.
 PROVIDE KOROSEAL "KOROGARD" SERIES GS10 16-GAUGE STAINLESS STEEL CORNER GUARD ADHERED TO SUBSTRATE CORNER. EXPOSED SURFACES SHALL BE FREE OF DISCOLORATION OR OTHER IMPERFECTIONS. LEG LENGTH GS10 (17). MATERIAL TO BE TYPE 304 STAINLESS STEEL FINISH TO BE #4 SATIN. INSTALL TO WALL SECURELY USING MASTIC CONSTRUCTION ADHESIVE PER MFR INSTRUCTIONS.
- 8.) AT BUILDINGS A, B, & C - PROVIDE HORIZONTAL BLUNDS ON ALL EXTERIOR WINDOWS. AT BUILDING "D" - PROVIDE HORIZONTAL BLUNDS ON ALL EXTERIOR WINDOWS, EXCEPT AT CLERESTORY.



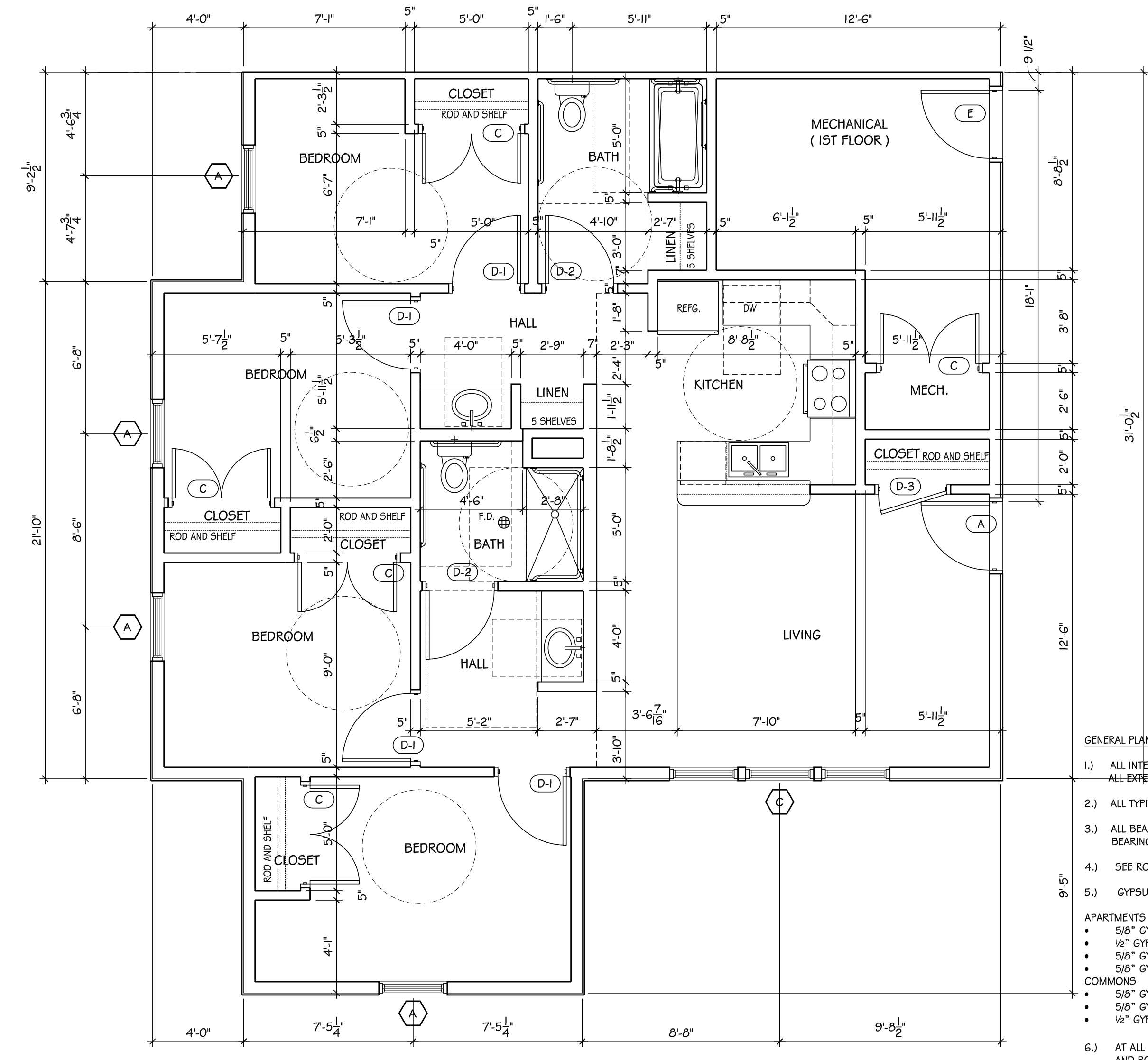
1 3 BED/3 PERSON APARTMENT
 SCALE: 1/4" = 1'-0"



2 3 BED/3 PERSON APARTMENT - HC ADAPTABLE TYPE B UNIT
 SCALE: 1/4" = 1'-0"

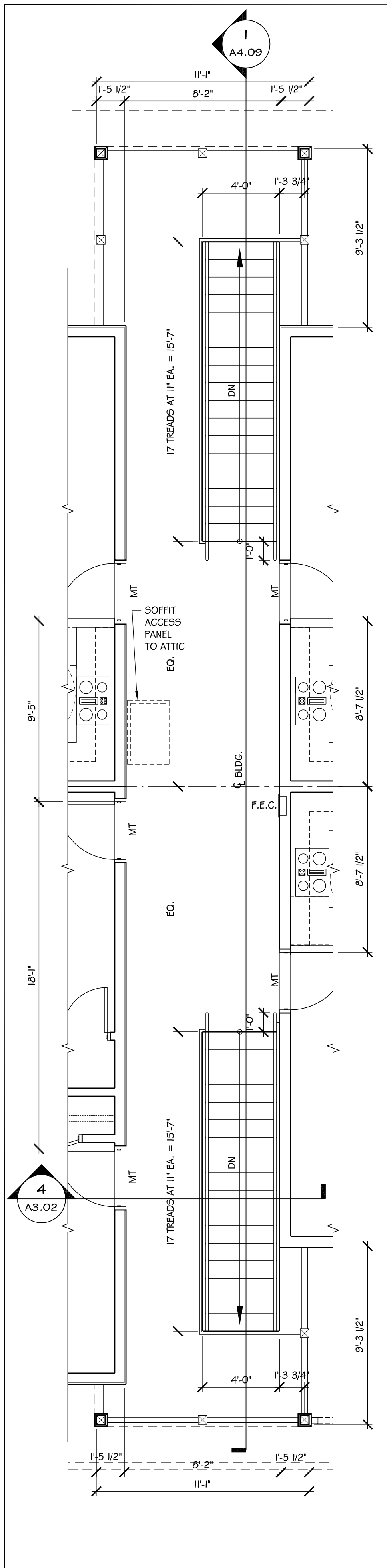


3 4 BED/4 PERSON APARTMENT
 SCALE: 1/4" = 1'-0"

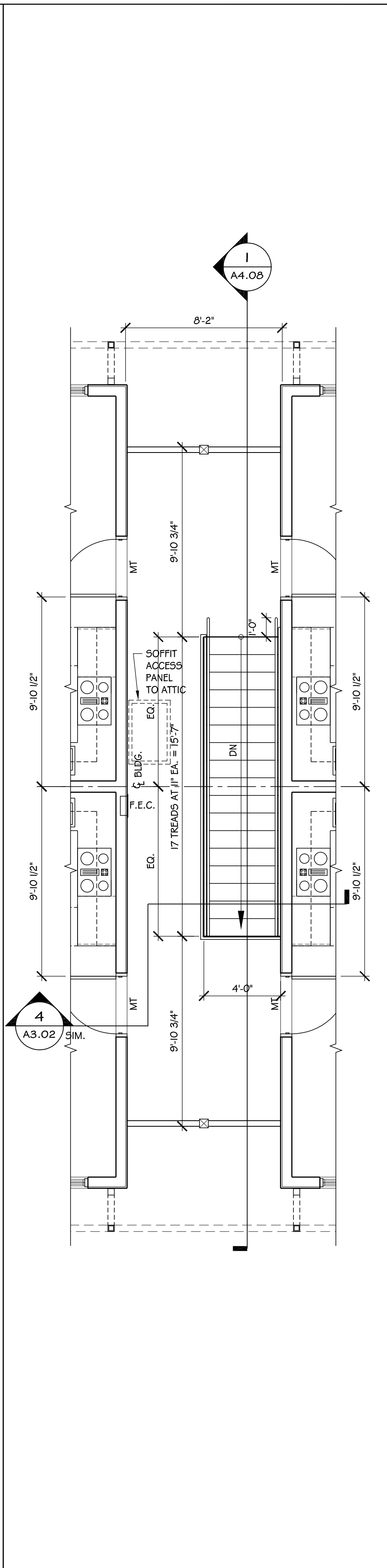


4 4 BED/4 PERSON APARTMENT - HC TYPE A UNIT
 SCALE: 1/4" = 1'-0"

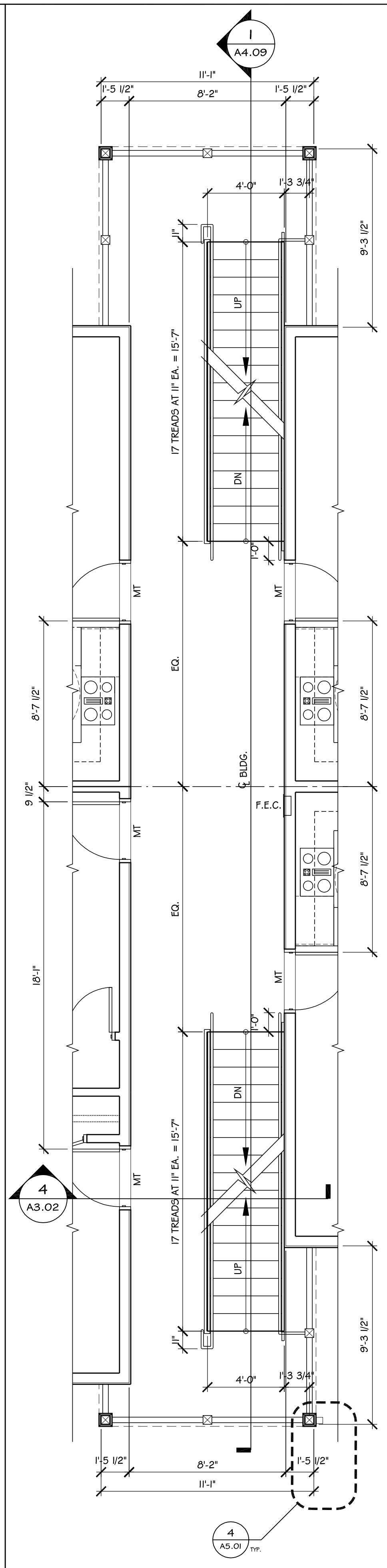
- GENERAL PLAN NOTES:**
- ALL INTERIOR DIMENSIONS ARE TO FINISH FACE OF WALL OR TO CENTERLINE U.O.N. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR FACE OF BRICK U.O.N.
 - ALL TYPICAL INTERIOR NON-BEARING WALLS ARE TO BE 2B/A3.00 U.O.N.
 - ALL BEARING WALLS ARE TO BE 2C/A3.00 U.O.N. (SEE STRUCTURAL DWGS. FOR BEARING WALL LOCATIONS)
 - SEE RCP FOR SOUND WALL LOCATIONS (SEE 5/A3.00 FOR SOUND WALL DETAIL)
 - GYPSON BOARD THICKNESS CLARIFICATION:
 APARTMENTS
 • 5/8" GYP. 4 RESILIENT CHANNELS AT FIRE PARTITIONS SEPARATING UNITS.
 • 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS.
 • 5/8" GYP. AT APARTMENT EXTERIOR NON RATED WALLS.
 • 5/8" GYP. AT APARTMENT EXTERIOR RATED WALLS.
 COMMONS
 • 5/8" GYP. 4 RESILIENT CHANNELS AT DEMISING WALL AT RESIDENT DIRECTOR.
 • 5/8" GYP. AT EXTERIOR WALLS
 • 1/2" GYP. AT TYPICAL INTERIOR PARTITIONS
 - AT ALL BEDROOM 4 LIVING ROOM CLOSETS PROVIDE A 3/4" PAINTED WOOD SHELF AND ROD ON BRACKETS. PROVIDE SHELF IN WIDTH AS REQUIRED BY BRACKETS. (SEE HW-13)
 - CORNER GUARDS:
 PROVIDE AT LOCATIONS INDICATED WITH C.G. ON PLANS.
 CORNER GUARDS TO BE KOROGARD WALL PROTECTION SYSTEM OR EQUAL.
 PROVIDE KOROGARD "KOROGARD" SERIES G310 16-GAUGE STAINLESS STEEL CORNER GUARD ADHERED TO SUBSTRATE CORNER. EXPOSED SURFACES SHALL BE FREE OF DISCOLORATION OR OTHER IMPERFECTIONS. LEG LENGTH G310 (1"). MATERIAL TO BE TYPE 304 STAINLESS STEEL FINISH TO BE #4 SATIN. INSTALL TO WALL SECURELY USING MASTIC CONSTRUCTION ADHESIVE PER MFR INSTRUCTIONS.
 - AT BUILDINGS A, B, & C, - PROVIDE HORIZONTAL BLINDS ON ALL EXTERIOR WINDOWS. AT BUILDING "D" - PROVIDE HORIZONTAL BLINDS ON ALL EXTERIOR WINDOWS, EXCEPT AT CLERESTORY.



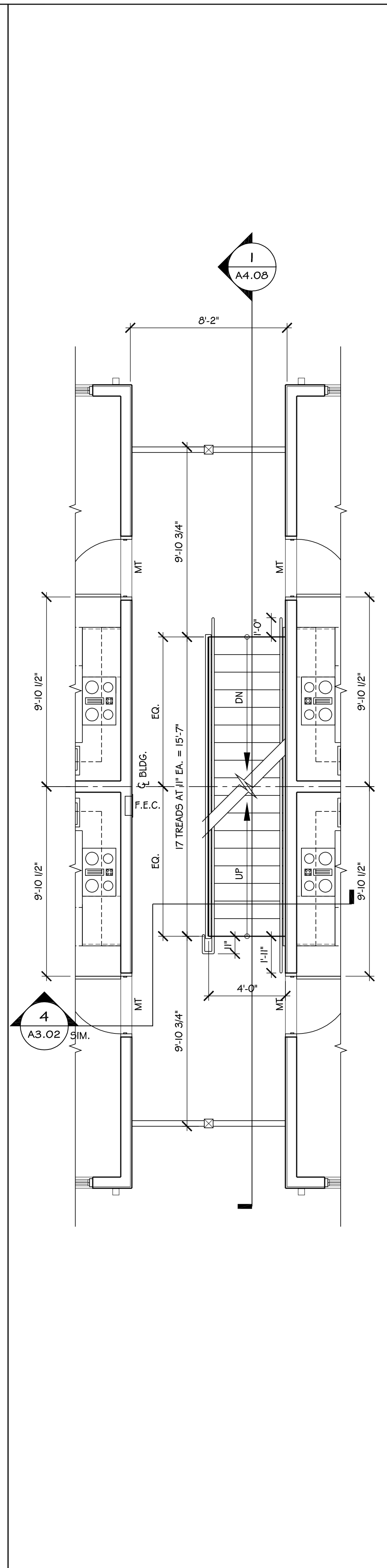
6 DOUBLE STAIR & BREEZEWAY PLAN AT 3RD FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
SCALE: 1/4" = 1'-0"



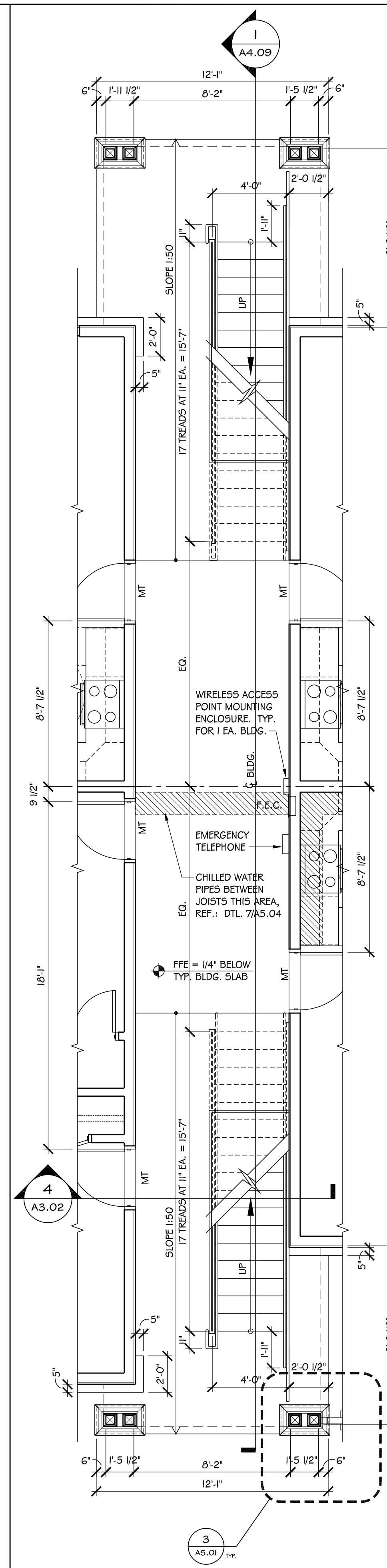
5 SINGLE STAIR & BREEZEWAY PLAN AT 3RD FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
SCALE: 1/4" = 1'-0"



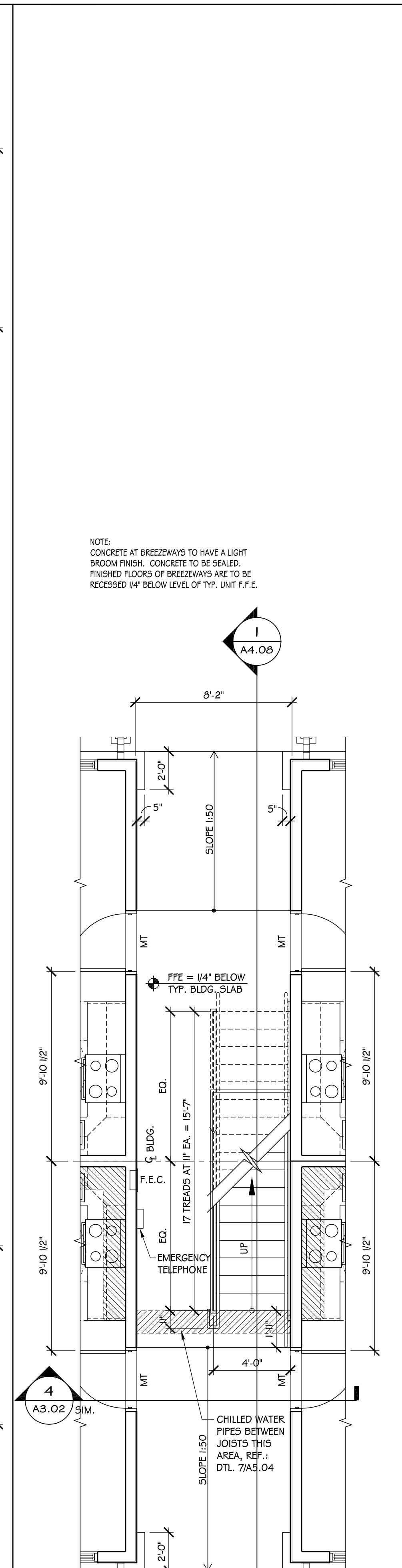
4 DOUBLE STAIR & BREEZEWAY PLAN AT 2ND FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
SCALE: 1/4" = 1'-0"



3 SINGLE STAIR & BREEZEWAY PLAN AT 2ND FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
SCALE: 1/4" = 1'-0"

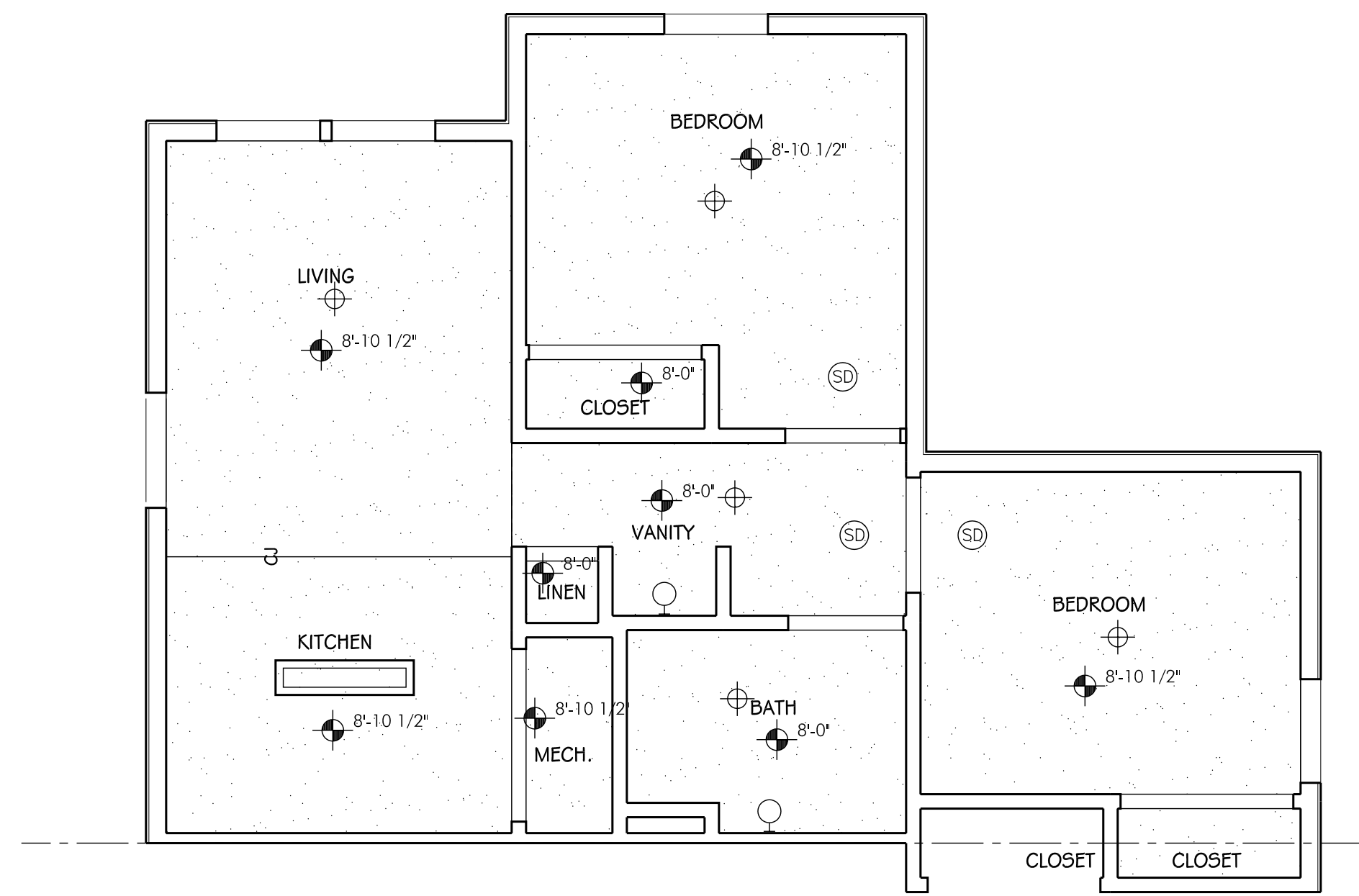


2 DOUBLE STAIR & BREEZEWAY PLAN AT 1ST FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
SCALE: 1/4" = 1'-0"



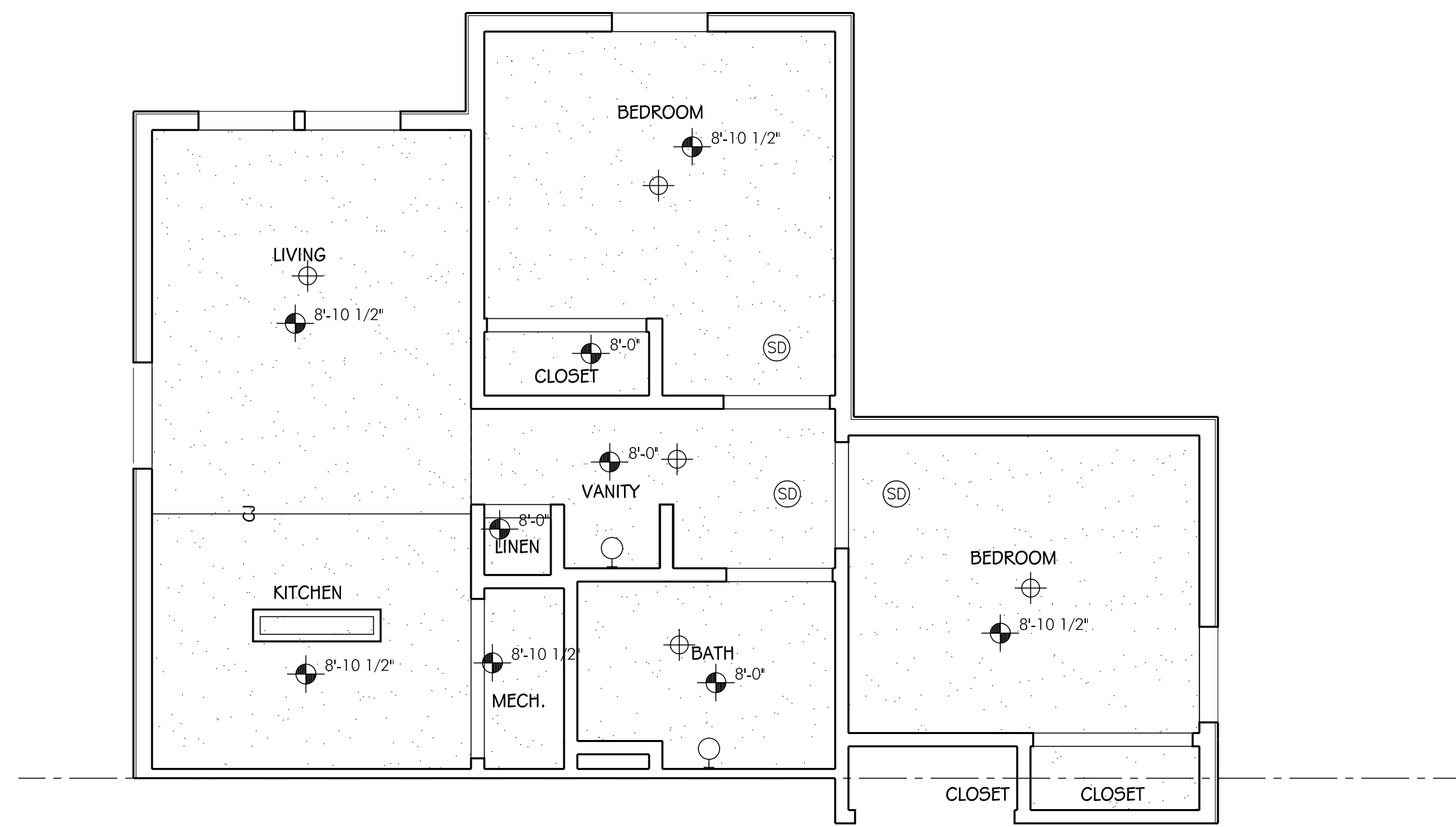
1 SINGLE STAIR & BREEZEWAY PLAN AT 1ST FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
SCALE: 1/4" = 1'-0"

NOTE:
CONCRETE AT BREEZEWAYS TO HAVE A LIGHT BROOM FINISH. CONCRETE TO BE SEALED.
FINISHED FLOORS OF BREEZEWAYS ARE TO BE RECESSED 1/4" BELOW LEVEL OF TYP. UNIT F.F.E.

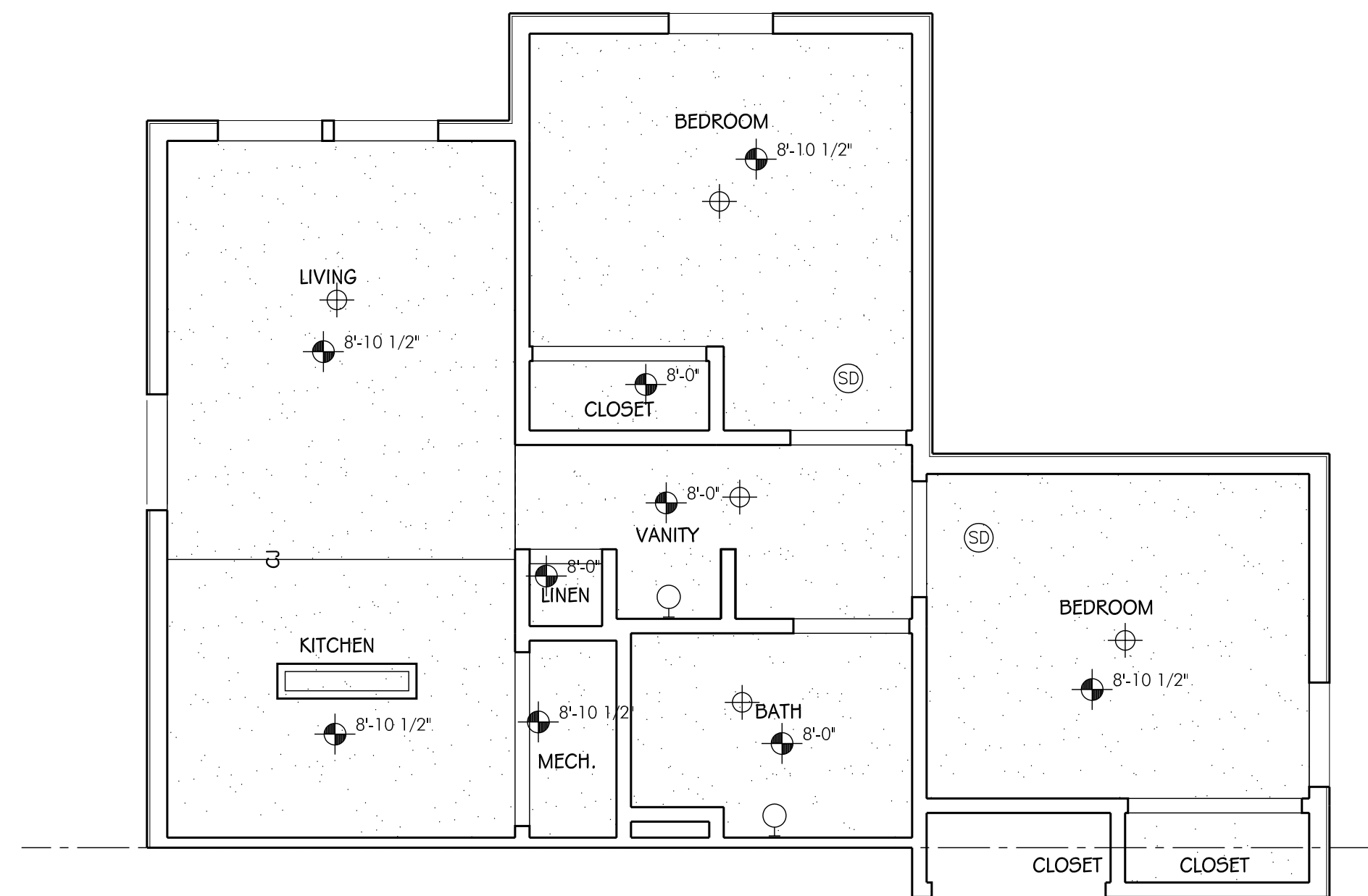


1 2 BED/2 PERSON APARTMENT
SCALE: 1/4" = 1'-0"

NOTES:
1. ALIGN CONTROL JOINT IN CEILING WITH EDGE OF KITCHEN OVERHEAD CABINETS.
2. CEILING HEIGHTS GIVEN ARE FOR 1ST & 2ND FLOOR ONLY. SEE FINISH SCHEDULE FOR 3RD FLOOR CEILING HEIGHT.



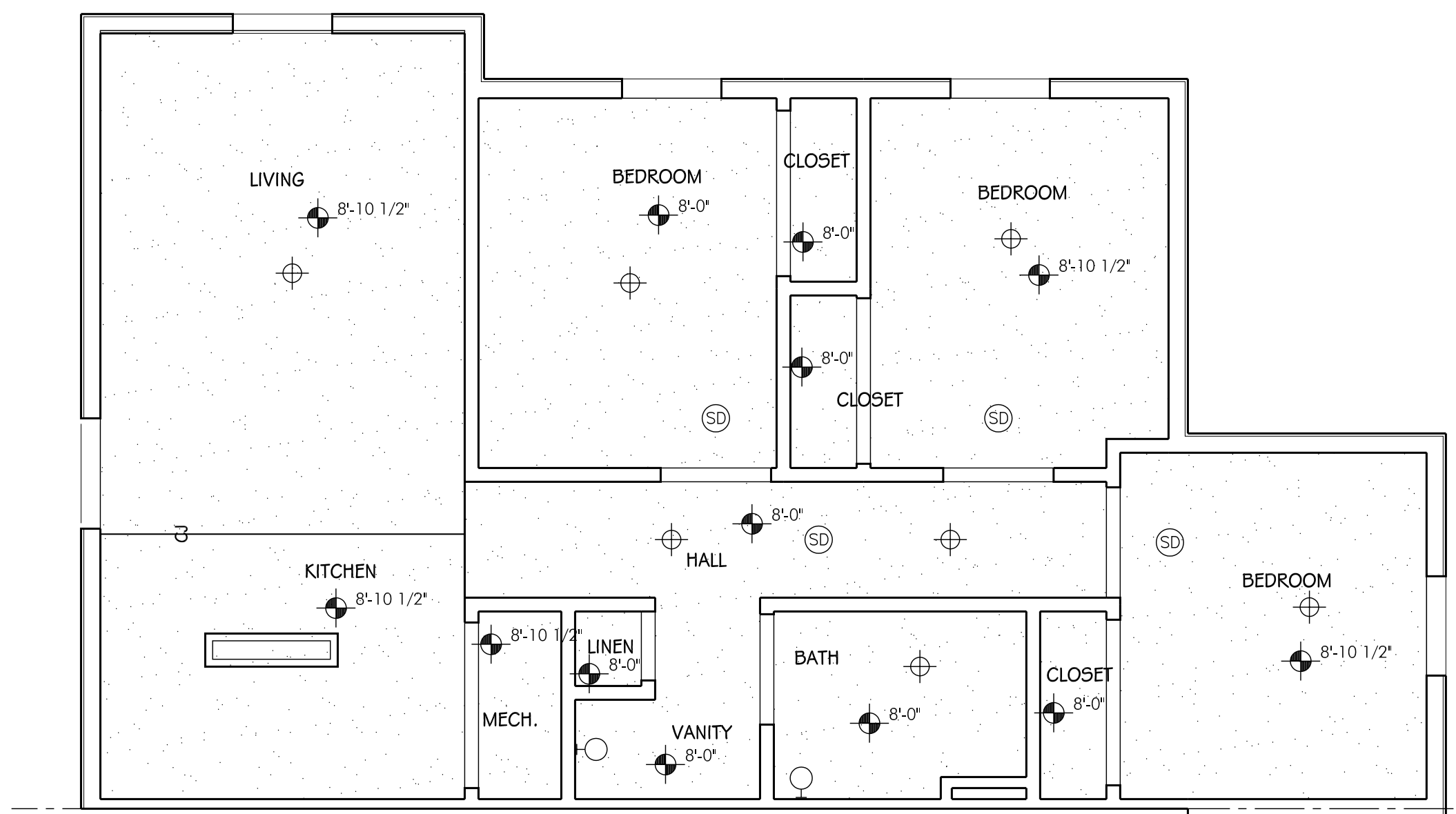
3 2 BED/2 PERSON APARTMENT - HC ADAPTABLE TYPE B UNIT
SCALE: 1/4" = 1'-0" SEE (A4.01) FOR TYPICAL NOTES AND DIMENSIONS



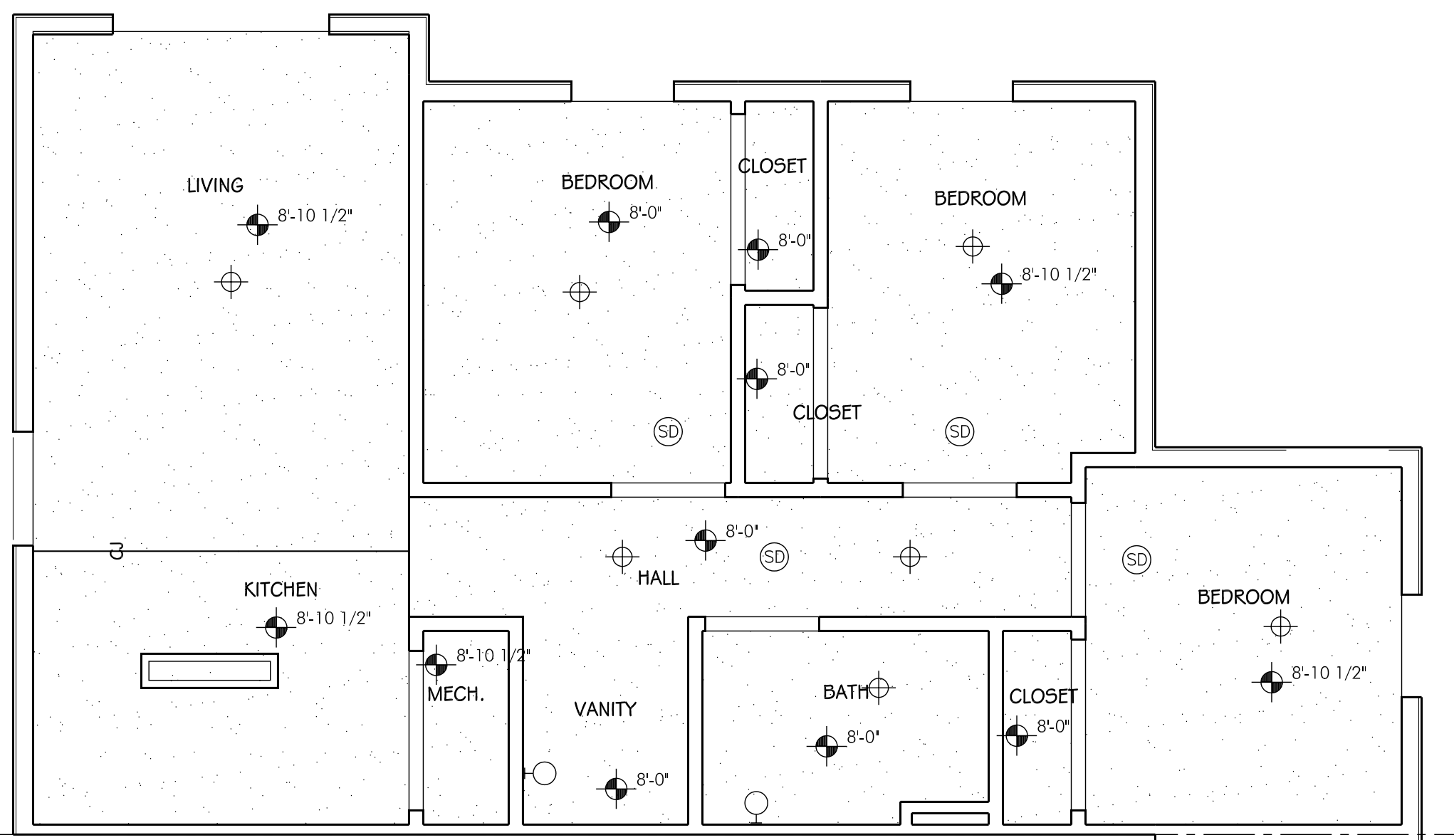
2 2 BED/2 PERSON APARTMENT - HC TYPE A UNIT
SCALE: 1/4" = 1'-0" SEE (A4.01) FOR TYPICAL NOTES AND DIMENSIONS

REFLECTED CLG. LEGEND	
	GYPSUM BOARD CEILING UNLESS OTHERWISE NOTED
	2' x 4' LAY-IN ACOUSTICAL CEILING BOARD
	2' x 2' LAY-IN ACOUSTICAL CEILING BOARD
	2' x 4' FLUORESCENT LIGHT FIXTURE
	2' x 2' FLUORESCENT LIGHT FIXTURE
	1' x 4' CLG. MTD. FLUORESCENT LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	RECESSED CAN LIGHT FIXTURE
	EXTERIOR SOFFIT LIGHT FIXTURE
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	EXHAUST FAN
	INDICATED HEIGHT OF CEILING A.F.F.
	SOUND WALL
	SMOKE DETECTOR
	EXIT SIGN
	EMERGENCY LIGHTING FIXTURES
	EXTERIOR WALL MTD. LIGHT FIXTURE
	INTERIOR WALL MTD. LIGHT FIXTURE
	WALL SCONCE
	CEILING FAN

GENERAL NOTES:
1. VERIFY WITH MECHANICAL DRAWINGS, CEILING REGISTER SIZE, TYPE AND QUANTITY.
2. VERIFY WITH ELECTRICAL DRAWINGS, LIGHT FIXTURE SIZE, TYPE AND QUANTITY.

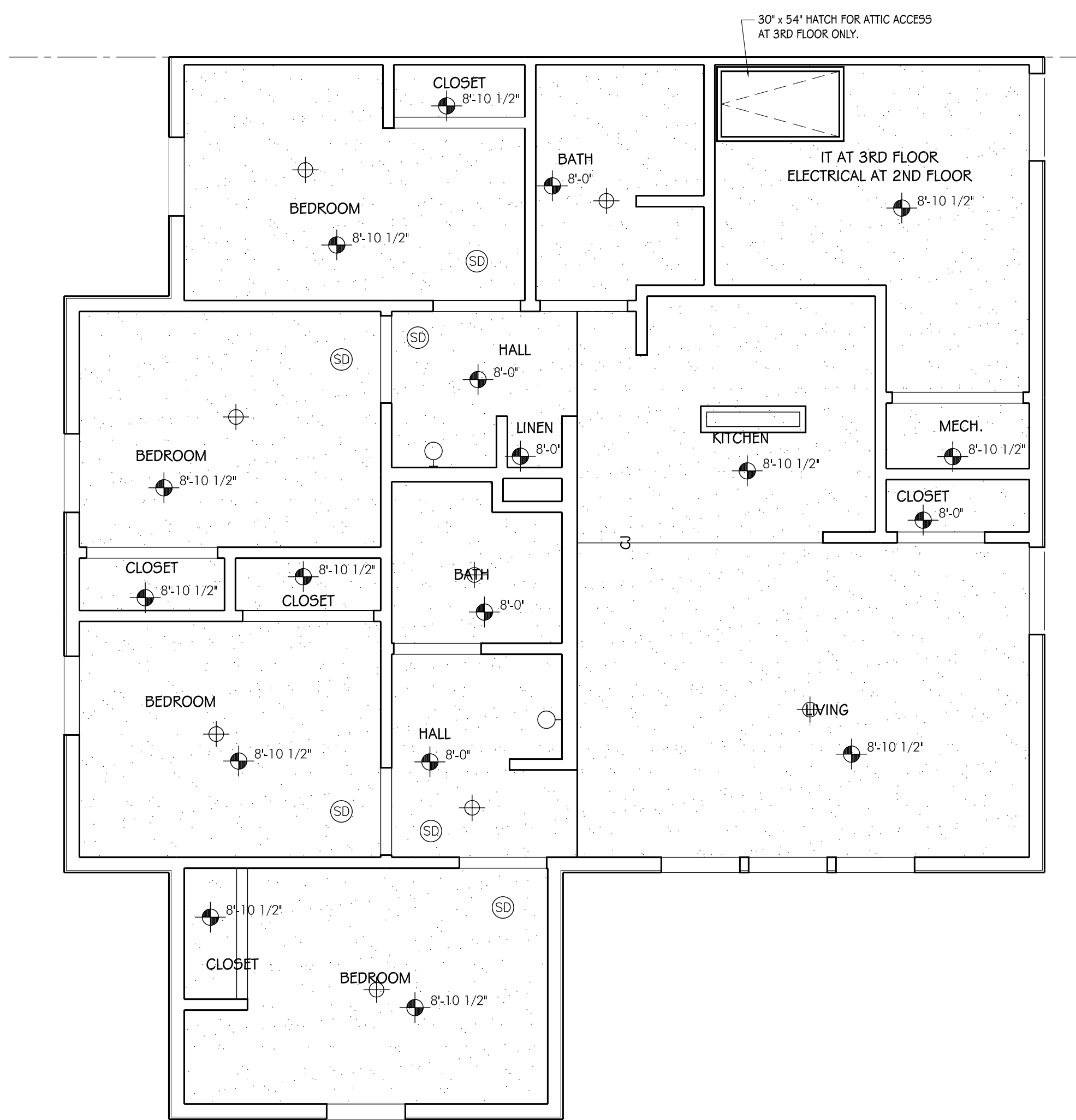


NOTES:
1. ALIGN CONTROL JOINT IN CEILING WITH EDGE OF KITCHEN OVERHEAD CABINETS.
2. CEILING HEIGHTS GIVEN ARE FOR 1ST & 2ND FLOOR ONLY. SEE FINISH SCHEDULE FOR 3RD FLOOR CEILING HEIGHT.

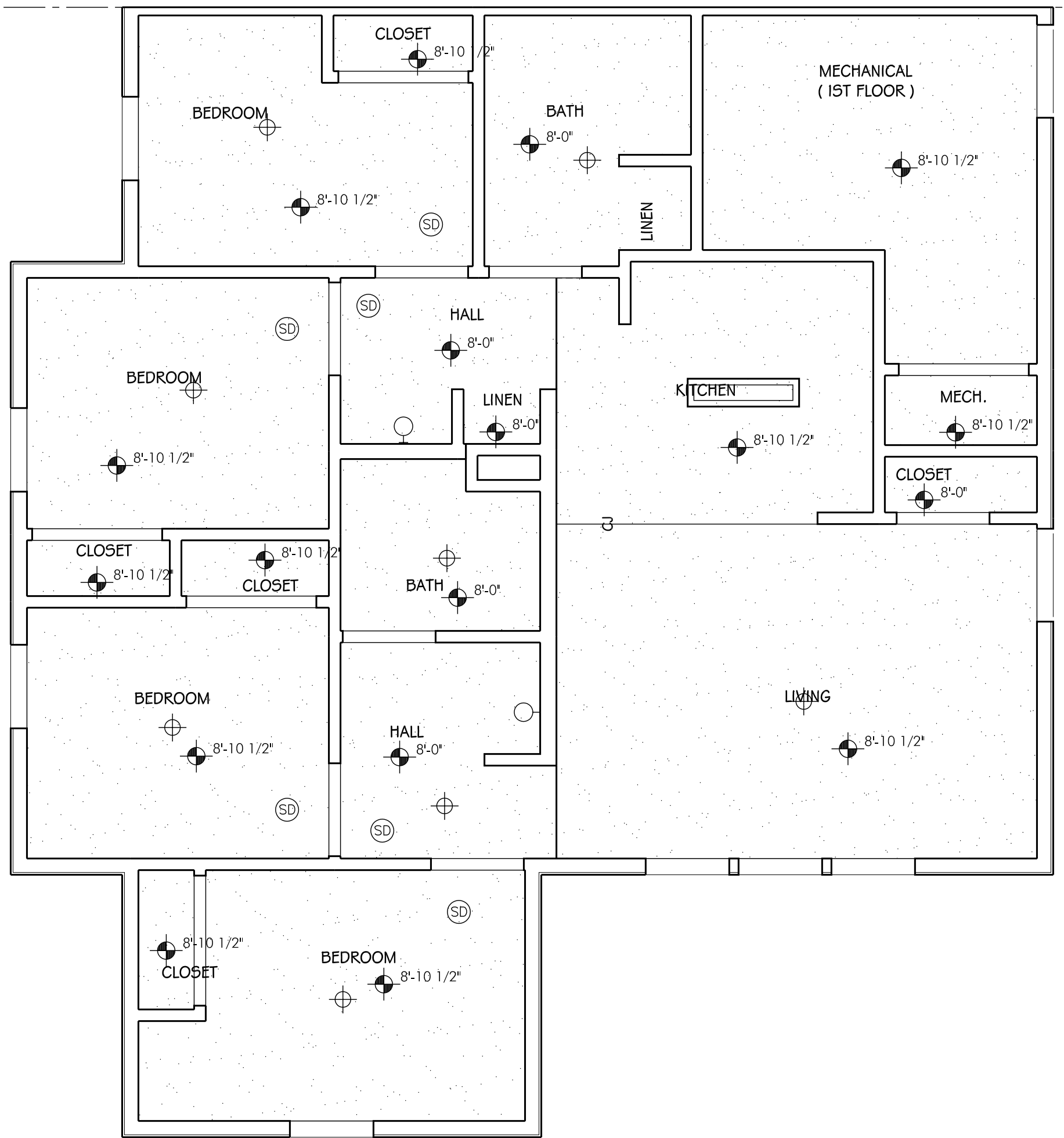


1 3 BED/3 PERSON APARTMENT
SCALE: 1/4" = 1'-0"

2 3 BED/3 PERSON APARTMENT - HC ADAPTABLE TYPE B UNIT
SCALE: 1/4" = 1'-0"



3 4 BED/4 PERSON APARTMENT
SCALE: 1/4" = 1'-0"

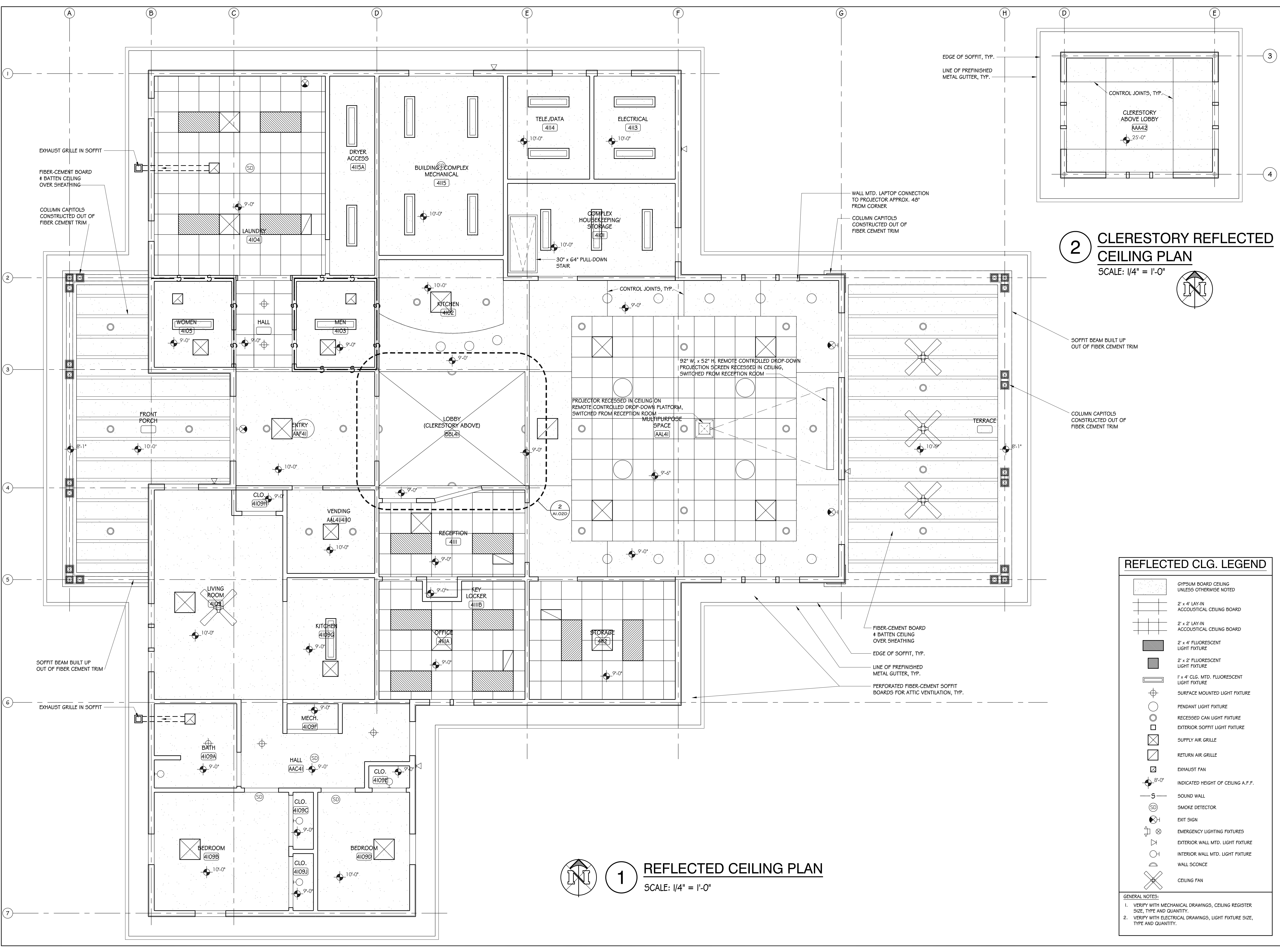


4 4 BED/4 PERSON APARTMENT - HC TYPE A UNIT
SCALE: 1/4" = 1'-0"

REFLECTED CLG. LEGEND

	GYPSUM BOARD CEILING UNLESS OTHERWISE NOTED
	2' x 4' LAY-IN ACOUSTICAL CEILING BOARD
	2' x 2' LAY-IN ACOUSTICAL CEILING BOARD
	2' x 4' FLUORESCENT LIGHT FIXTURE
	2' x 2' FLUORESCENT LIGHT FIXTURE
	1' x 4' CLG. MTD. FLUORESCENT LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	RECESSED CAN LIGHT FIXTURE
	EXTERIOR SOFFIT LIGHT FIXTURE
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	EXHAUST FAN
	INDICATED HEIGHT OF CEILING A.F.F.
	SOUND WALL
	SMOKE DETECTOR
	EXIT SIGN
	EMERGENCY LIGHTING FIXTURES
	EXTERIOR WALL MTD. LIGHT FIXTURE
	INTERIOR WALL MTD. LIGHT FIXTURE
	WALL SCONCE
	CEILING FAN

GENERAL NOTES:
1. VERIFY WITH MECHANICAL DRAWINGS, CEILING REGISTER SIZE, TYPE AND QUANTITY.
2. VERIFY WITH ELECTRICAL DRAWINGS, LIGHT FIXTURE SIZE, TYPE AND QUANTITY.



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

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

REFLECTED CLG. LEGEND

[Symbol]	GYPSUM BOARD CEILING UNLESS OTHERWISE NOTED
[Symbol]	2' x 4' LAY-IN ACOUSTICAL CEILING BOARD
[Symbol]	2' x 2' LAY-IN ACOUSTICAL CEILING BOARD
[Symbol]	2' x 4' FLUORESCENT LIGHT FIXTURE
[Symbol]	2' x 2' FLUORESCENT LIGHT FIXTURE
[Symbol]	1' x 4' CLG. MTD. FLUORESCENT LIGHT FIXTURE
[Symbol]	SURFACE MOUNTED LIGHT FIXTURE
[Symbol]	PENDANT LIGHT FIXTURE
[Symbol]	RECESSED CAN LIGHT FIXTURE
[Symbol]	EXTERIOR SOFFIT LIGHT FIXTURE
[Symbol]	SUPPLY AIR GRILLE
[Symbol]	RETURN AIR GRILLE
[Symbol]	EXHAUST FAN
[Symbol]	INDICATED HEIGHT OF CEILING A.F.F.
[Symbol]	SOUND WALL
[Symbol]	SMOKE DETECTOR
[Symbol]	EXIT SIGN
[Symbol]	EMERGENCY LIGHTING FIXTURES
[Symbol]	EXTERIOR WALL MTD. LIGHT FIXTURE
[Symbol]	INTERIOR WALL MTD. LIGHT FIXTURE
[Symbol]	WALL SCONCE
[Symbol]	CEILING FAN

GENERAL NOTES:

- VERIFY WITH MECHANICAL DRAWINGS, CEILING REGISTER SIZE, TYPE AND QUANTITY.
- VERIFY WITH ELECTRICAL DRAWINGS, LIGHT FIXTURE SIZE, TYPE AND QUANTITY.

EDGE OF SOFFIT, TYP.
 LINE OF PREFINISHED METAL GUTTER, TYP.

WALL MTD. LAPTOP CONNECTION TO PROJECTOR APPROX. 46" FROM CORNER

COLUMN CAPITOLS CONSTRUCTED OUT OF FIBER CEMENT TRIM

SOFFIT BEAM BUILT UP OUT OF FIBER CEMENT TRIM

COLUMN CAPITOLS CONSTRUCTED OUT OF FIBER CEMENT TRIM

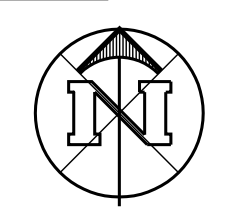
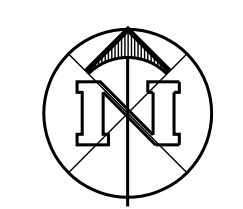
EXHAUST GRILLE IN SOFFIT
 FIBER-CEMENT BOARD # BATTEN CEILING OVER SHEATHING

COLUMN CAPITOLS CONSTRUCTED OUT OF FIBER CEMENT TRIM

SOFFIT BEAM BUILT UP OUT OF FIBER CEMENT TRIM

EXHAUST GRILLE IN SOFFIT

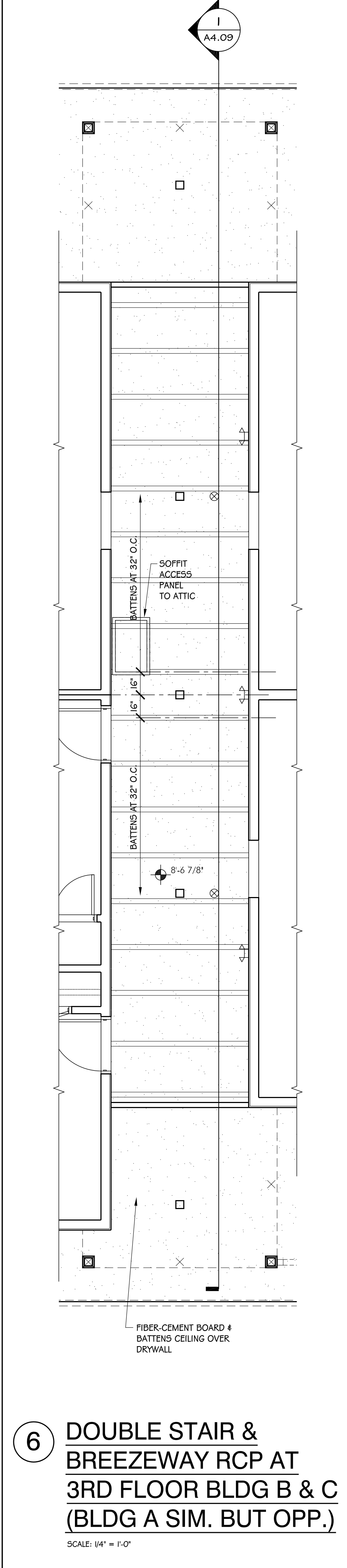
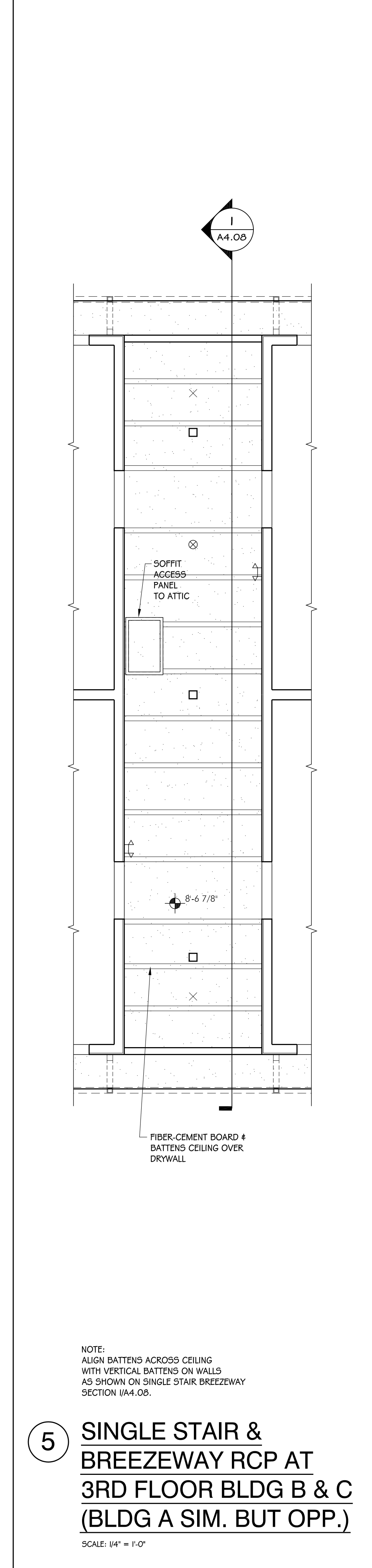
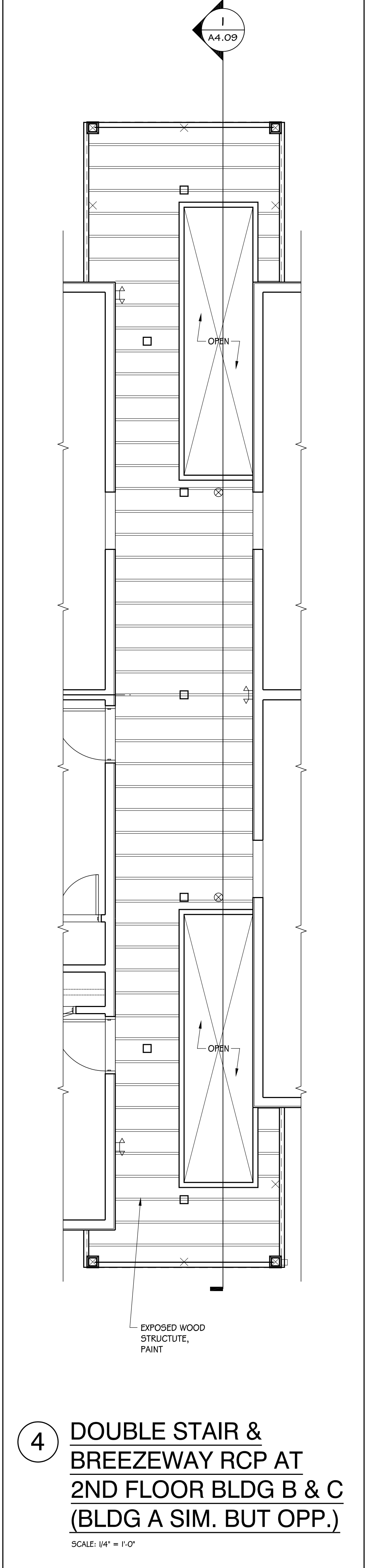
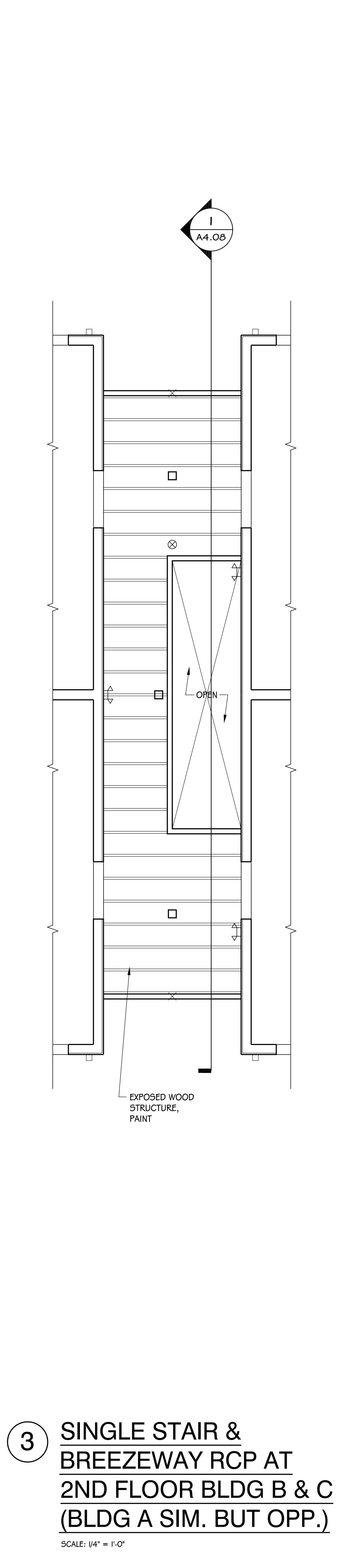
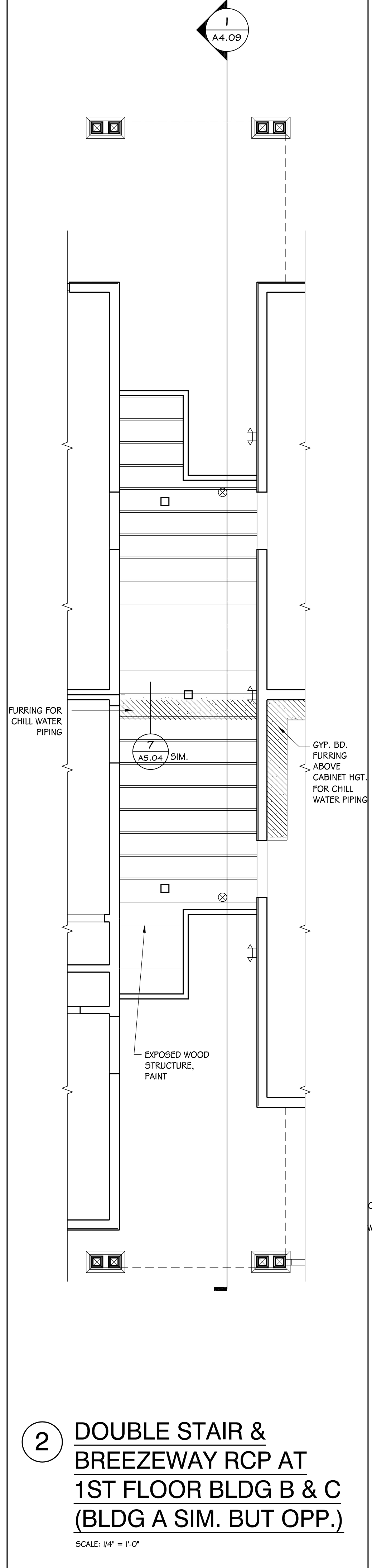
FIBER-CEMENT BOARD # BATTEN CEILING OVER SHEATHING
 EDGE OF SOFFIT, TYP.
 LINE OF PREFINISHED METAL GUTTER, TYP.
 PERFORATED FIBER-CEMENT SOFFIT BOARDS FOR ATTIC VENTILATION, TYP.



REFLECTED CLG. LEGEND

	GYPSUM BOARD CEILING UNLESS OTHERWISE NOTED
	2' x 4' LAY-IN ACOUSTICAL CEILING BOARD
	2' x 2' LAY-IN ACOUSTICAL CEILING BOARD
	2' x 4' FLUORESCENT LIGHT FIXTURE
	2' x 2' FLUORESCENT LIGHT FIXTURE
	1' x 4' CLG. MTD. FLUORESCENT LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	RECESSED CAN LIGHT FIXTURE
	EXTERIOR SOFFIT LIGHT FIXTURE
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	EXHAUST FAN
	INDICATED HEIGHT OF CEILING A.F.F.
	SOUND WALL
	SMOKE DETECTOR
	EXIT SIGN
	EMERGENCY LIGHTING FIXTURES
	EXTERIOR WALL MTD. LIGHT FIXTURE
	INTERIOR WALL MTD. LIGHT FIXTURE
	WALL SCONCE
	CEILING FAN

GENERAL NOTES:
 1. VERIFY WITH MECHANICAL DRAWINGS, CEILING REGISTER SIZE, TYPE AND QUANTITY.
 2. VERIFY WITH ELECTRICAL DRAWINGS, LIGHT FIXTURE SIZE, TYPE AND QUANTITY.



6 DOUBLE STAIR & BREEZEWAY RCP AT 3RD FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
 SCALE: 1/4" = 1'-0"

7 SINGLE STAIR & BREEZEWAY RCP AT 3RD FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
 SCALE: 1/4" = 1'-0"

8 DOUBLE STAIR & BREEZEWAY RCP AT 3RD FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
 SCALE: 1/4" = 1'-0"

9 SINGLE STAIR & BREEZEWAY RCP AT 3RD FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
 SCALE: 1/4" = 1'-0"

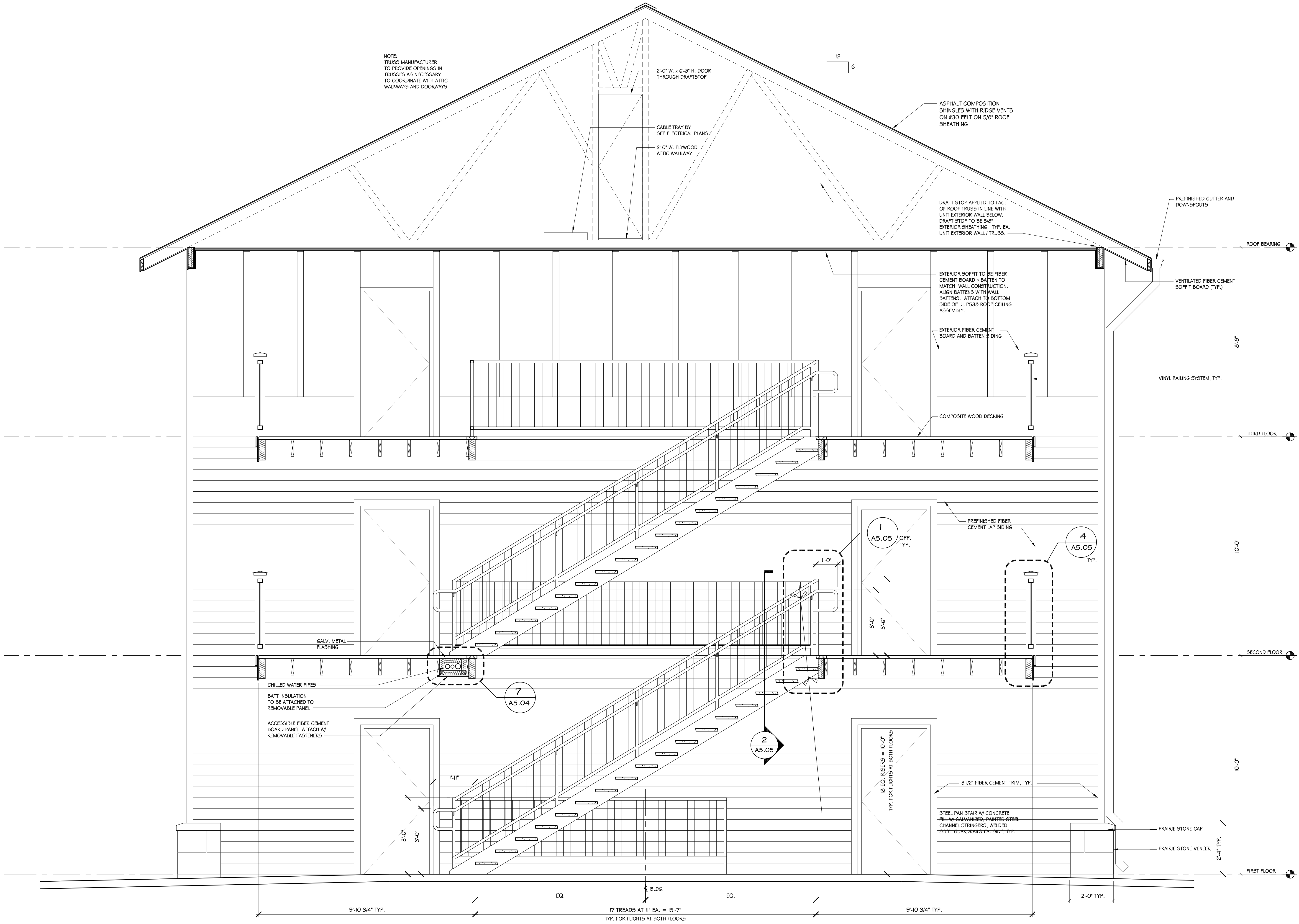
10 DOUBLE STAIR & BREEZEWAY RCP AT 3RD FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
 SCALE: 1/4" = 1'-0"

11 SINGLE STAIR & BREEZEWAY RCP AT 3RD FLOOR BLDG B & C (BLDG A SIM. BUT OPP.)
 SCALE: 1/4" = 1'-0"

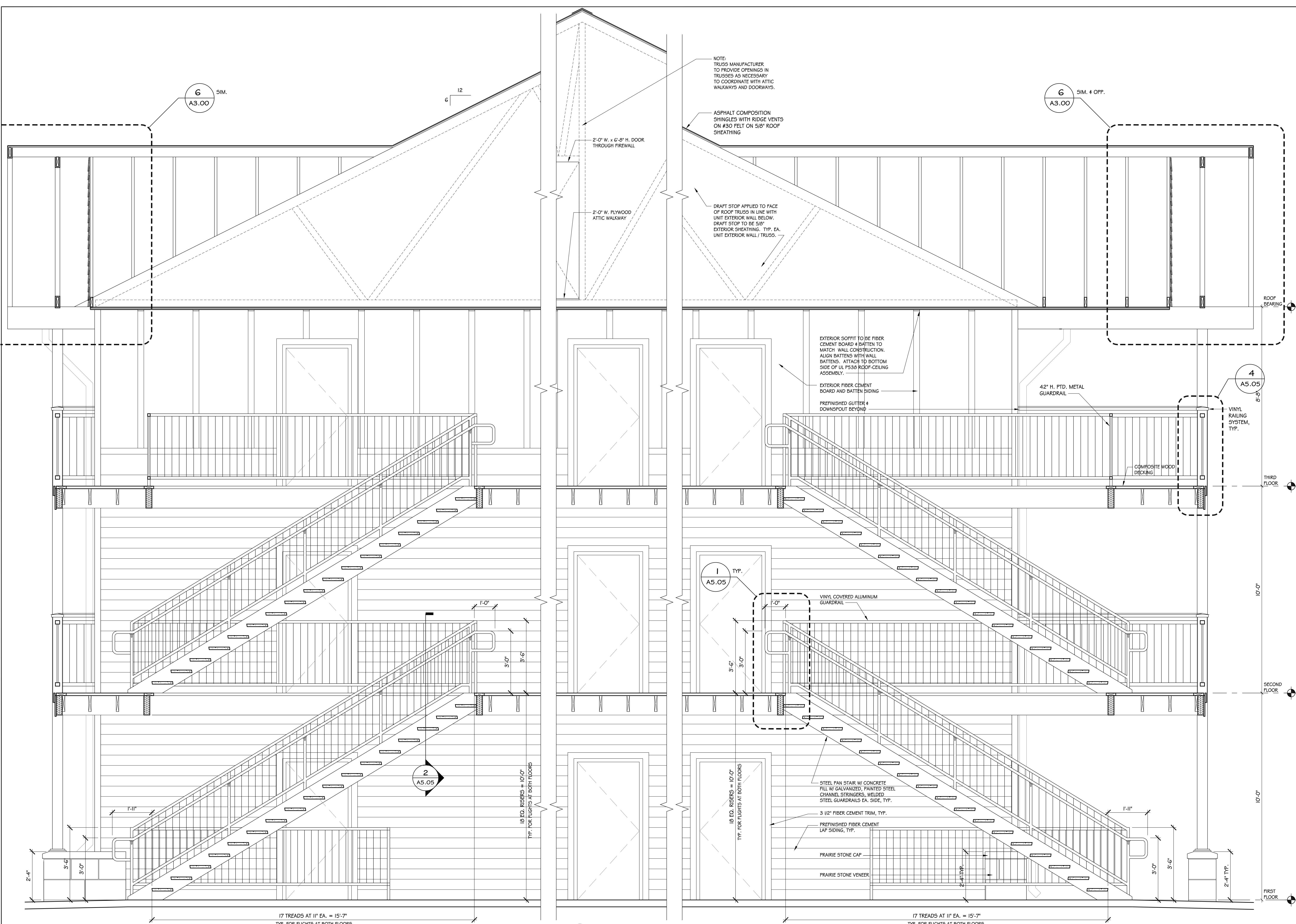
NOTE:
 ALIGN BATTENS ACROSS CEILING WITH VERTICAL BATTENS ON WALLS AS SHOWN ON SINGLE STAIR BREEZEWAY SECTION I/A4.08.

FURRING FOR CHILL WATER PIPING
 7 AS.04 SIM.
 GYP. BD. FURRING ABOVE CABINET HGT. FOR CHILL WATER PIPING
 EXPOSED WOOD STRUCTURE, PAINT

GYP. BD. FURRING ABOVE CABINET HGT. FOR CHILL WATER PIPING
 7 AS.04
 FURRING FOR CHILL WATER PIPING
 EXPOSED WOOD STRUCTURE, PAINT



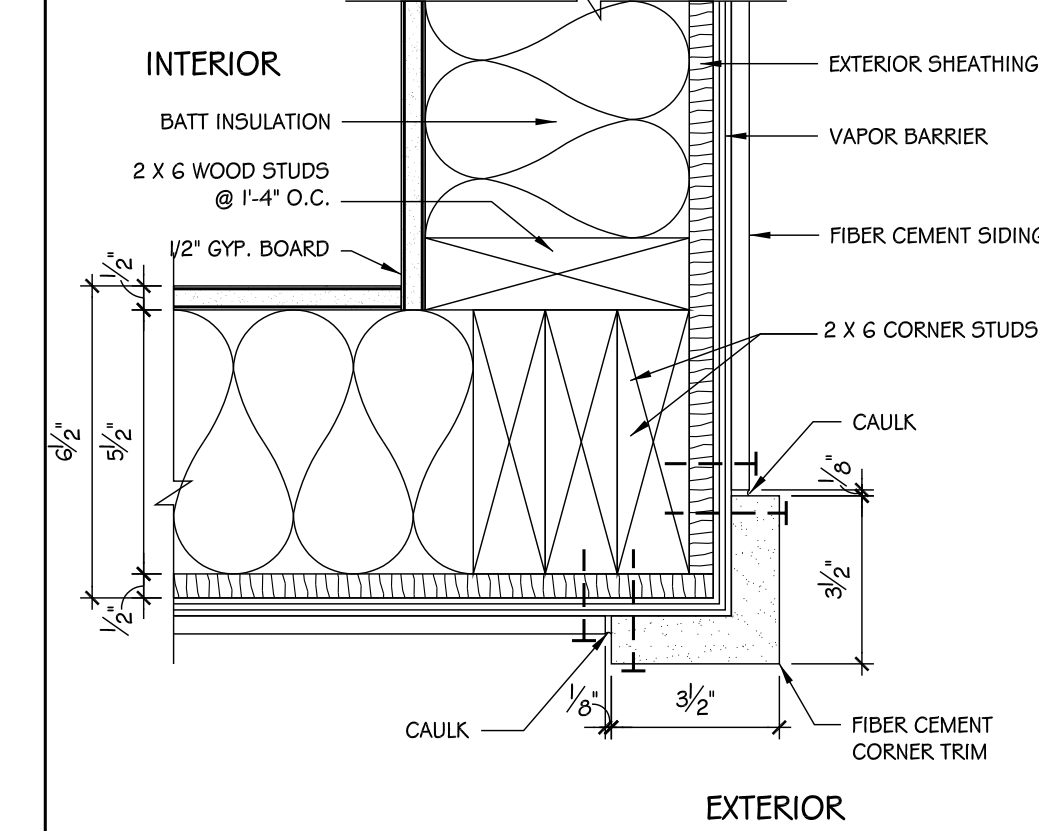
1 SINGLE STAIR & BREEZEWAY SECTION
SCALE: 1/2" = 1'-0"



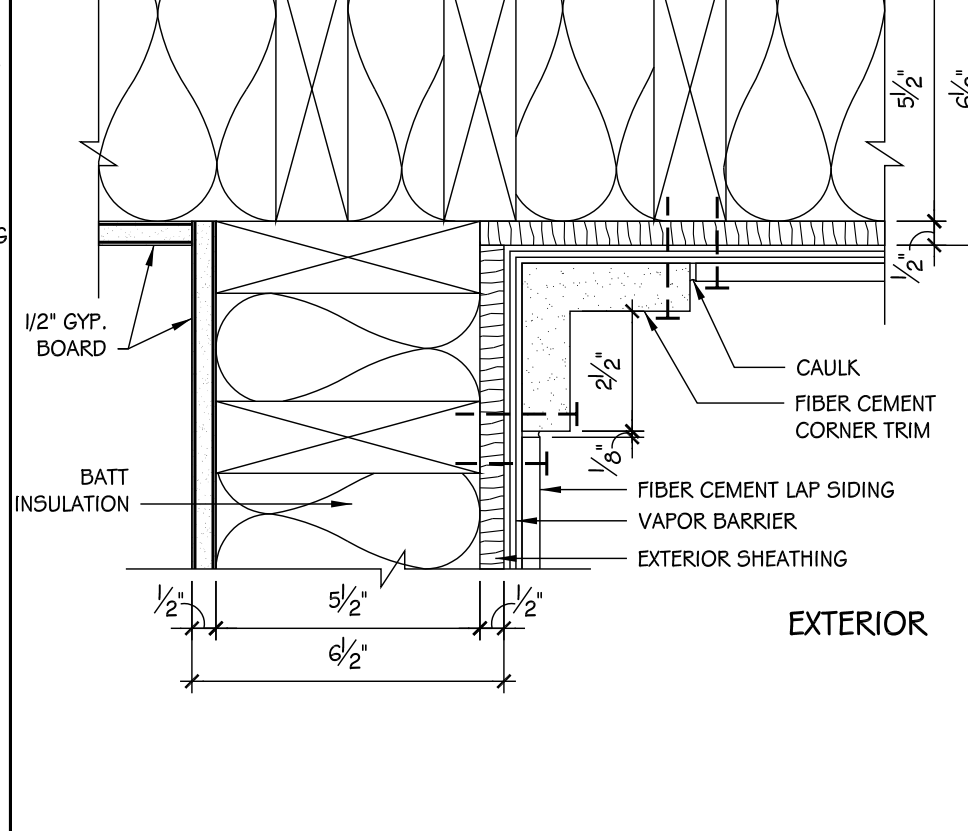
1 **DOUBLE STAIR & BREEZEWAY SECTION**
SCALE: 1/2" = 1'-0"

ROOM FINISH SCHEDULE

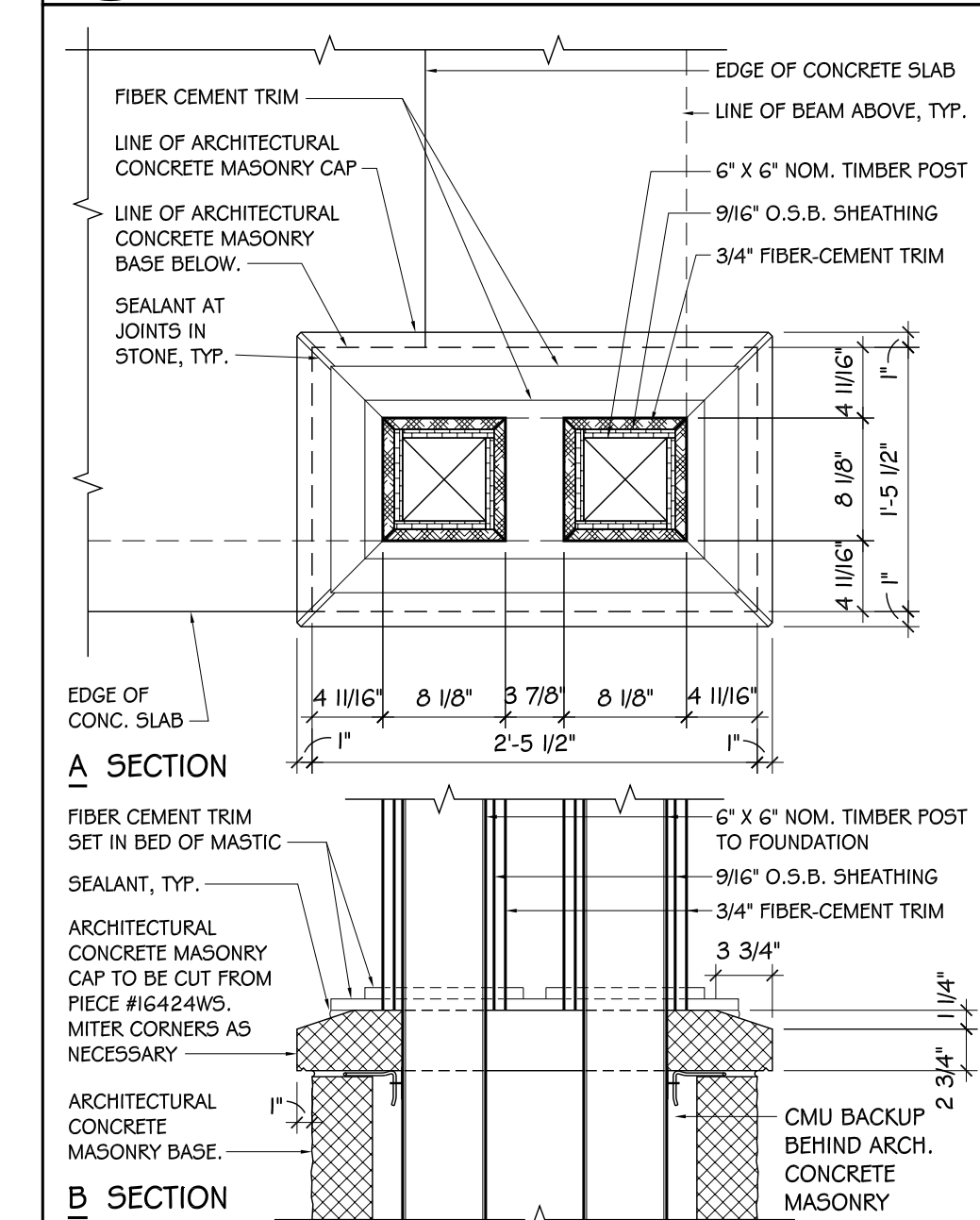
ROOM	#'S	AREA	FLOOR	BASE	WALL	CEILING	REMARKS
							① PROVIDE KNOCK DOWN ORANGE PEEL TEXTURE ALL WALLS AND CEILING ② ALL EXTERIOR FIBER CEMENT MATERIAL TO BE PAINTED.
							1 VINYL COMPOSITION TILE #1 2 VINYL COMPOSITION TILE #2 - PREMIUM 3 CARPET 4 MOSAIC TILE 5 SEALED CONCRETE 6 4" RUBBER BASE 7 GYP. BD. - PAINT 8 GYP. BD. - GLAZE COAT 9 1" WOOD - PAINT 10 24" x 24" LAY IN ACQUOUS CEILING TILE 11 24" x 24" LAY IN ACQUOUS CEILING TILE 12 5/8" GYP. BD. - PAINT 13 5/8" M.L. GYP. BD. - GLAZE COAT 14 FIBER CEMENT BOARD # BATTEN ON GYP. BD. 15 16 17 18 19 20 21 22 23 24 25 26 27
							CLG. HT. @ 1ST OR 2ND FLOORS
							CLG. HT. @ 3RD FLOOR
APARTMENT UNITS (TYPICAL)							
	LIVING	1	10	16	25		8'-10 1/2" 8'-6 7/8"
	KITCHEN	1	10	16	25		8'-10 1/2" 8'-6 7/8"
	BEDROOM	1	10	16	25		8'-10 1/2" 8'-6 7/8"
	BATH	1	10	16	26		8'-0" 8'-0"
	CLOSET	1	10	16	25		8'-10 1/2" 8'-6 7/8"
	MECH.	1	10	16	25		8'-10 1/2" 8'-6 7/8"
	HALL	1	10	16	25		8'-0" 8'-0"
	LINEN	1	10	16	25		8'-0" 8'-0"
	VANITY	1	10	16	25		8'-0" 8'-0"
	1107 MECHANICAL ROOM		6	16			
	1207 MECHANICAL ROOM		6	16			8'-10 1/2"
	1307 MECHANICAL ROOM		6	16			8'-10 1/2"
	1108 ELECTRICAL ROOM		6	16			
	1208 ELECTRICAL ROOM		6	16			8'-0"
	1308 ELECTRICAL ROOM		6	16			
	3109 I.T. ROOM		6	18			
	3209 I.T. ROOM		6	18			
	3309 I.T. ROOM		6	18			
COMMONS BUILDING D							
	AAF41 ENTRY	2	10	16	25		10'-0"
	BBL41 LOBBY	2	10	16	25		25'-0"
	AAA42 CLERESTORY			16	25		
	AAL41 MULTIPURPOSE	3	10	16	22		9'-0"/9'-6"
	AAC41 HALL	2	10	16	25		9'-0"
	4101 COMPLEX HOUSEKEEPING/STORAGE	1	10	16	25		10'-0"
	4102 KITCHEN	2	10	16	25		9'-0"/10'-0"
	4103 MEN	2	10	16	25		9'-0"
	4104 LAUNDRY	2	10	16	23		9'-0"
	4105 WOMEN	2	10	16	25		9'-0"
	HALL	2	10	16	22		9'-0"
	4109 LIVING	1	10	16	25		10'-0"
	4109A BATH	1	10	16	26		9'-0"
	4109B BEDROOM	1	10	16	25		10'-0"
	4109C CLOSET	1	10	16	25		9'-0"
	4109D BEDROOM	1	10	16	25		10'-0"
	4109E CLOSET	1	10	16	25		9'-0"
	4109F MECH.	1	10	16	25		9'-0"
	4109G KITCHEN	1	10	16	25		9'-0"
	4109H CLOSET	1	10	16	25		9'-0"
	4109J CLOSET	1	10	16	25		9'-0"
	4110/AAL41 VENDING	2	10	16	25		10'-0"
	4111 RECEPTION	4	10	16	22		9'-0"
	4111A OFFICE	4	10	16	22		9'-0"
	4111B KEY LOCKER	4	10	16	25		9'-0"
	4112 STORAGE	1	10	16	22		9'-0"
	4113 ELECTRICAL		6	16	25		10'-0"
	4114 TEL. / DATA		6	16	25		10'-0"
	4115 BLDG. COMPLEX / MECH.		6	16	25		10'-0"
	4115A DRYER ACCESS		6	16	26		NO CLG.
	FRONT PORCH				27		10'-0"
	TERRACE				27		10'-0"



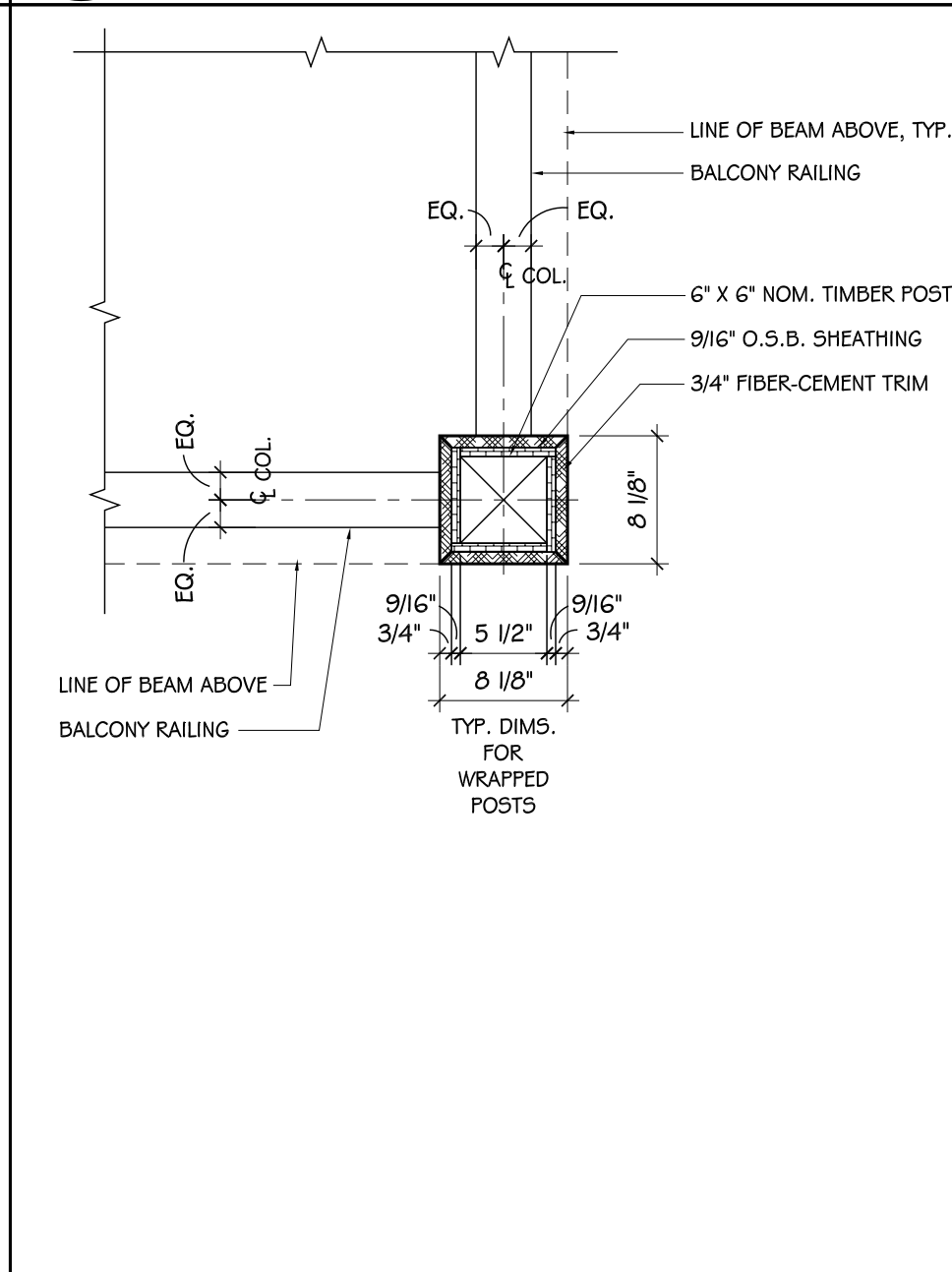
1 OUTSIDE CORNER DETAIL
SCALE: 3"=1'-0"



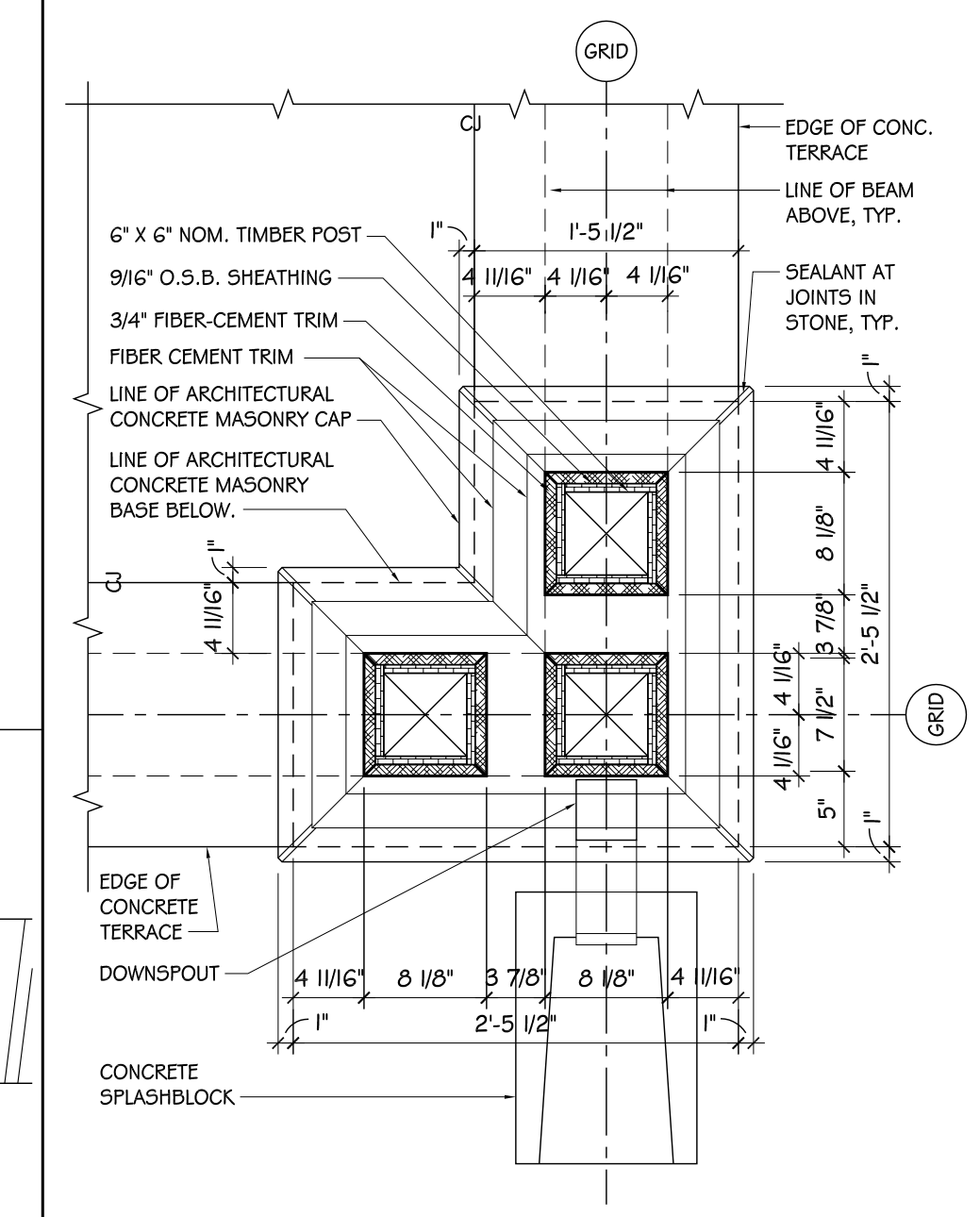
2 INSIDE CORNER DETAIL
SCALE: 3"=1'-0"



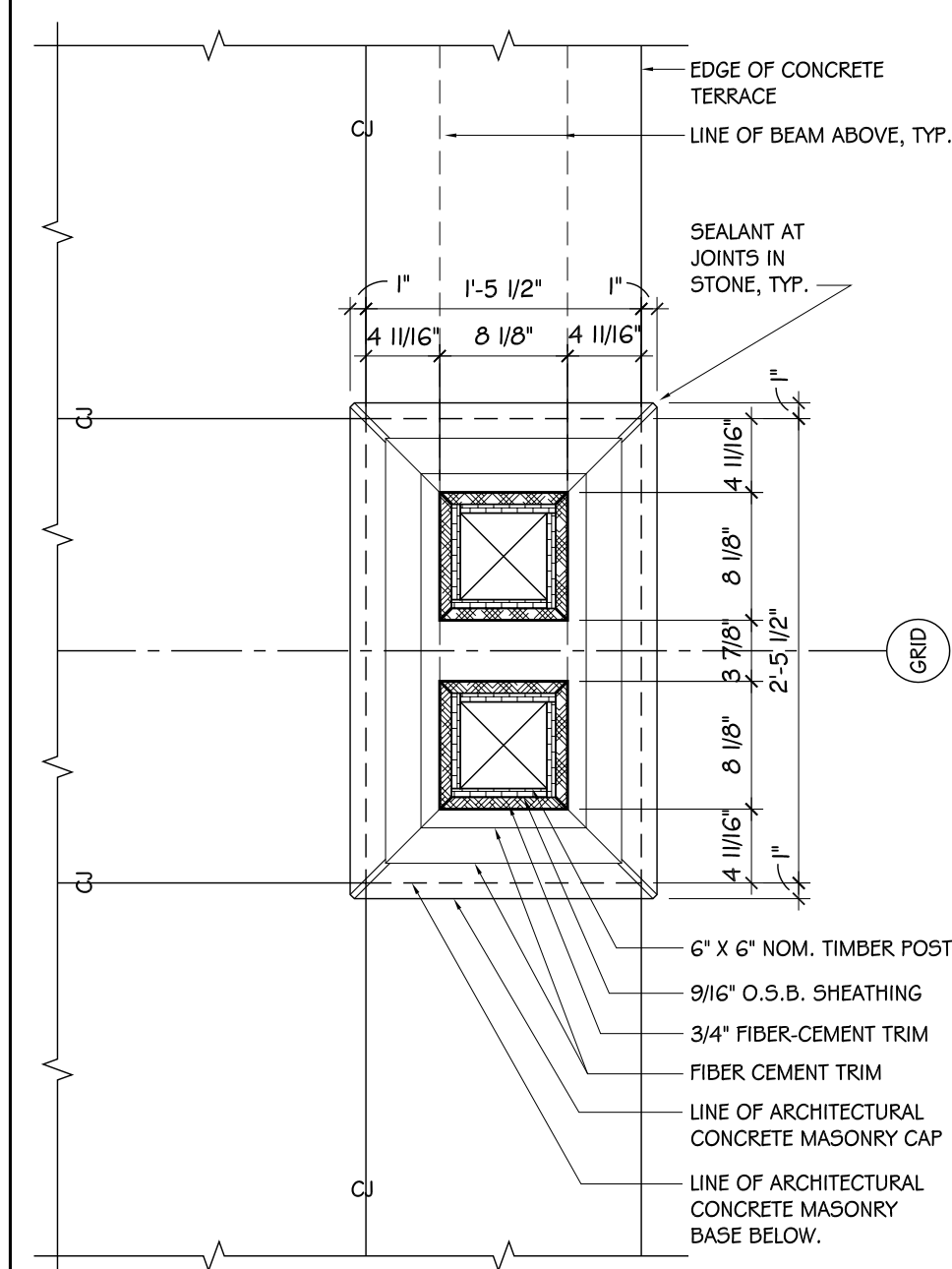
3 DETAIL - COLUMN AT 1ST FLOOR AT APT. BLDGS.
SCALE: 1"=1'-0"



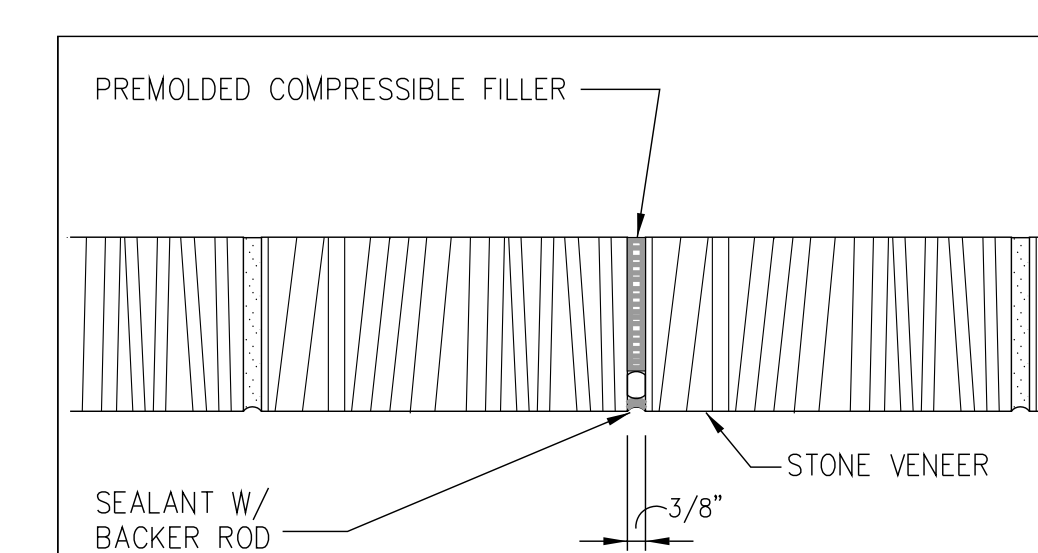
4 DETAIL - COLUMN AT 2ND FLOOR & 3RD FLOOR AT APT. BLDGS.
SCALE: 1"=1'-0"



5 DETAIL - COLUMN AT 1ST FLOOR AT COMMONS BLDG.
SCALE: 1"=1'-0"



6 DETAIL - COLUMN AT 1ST FLOOR AT COMMONS BLDG.
SCALE: 1"=1'-0"



7 TYP. STONE CONTROL JOINT (C.J.)
SCALE: 3"=1'-0"

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WD&D ARCHITECTS

REGISTERED ARCHITECTS
STATE OF ARKANSAS
C-10

Student Apartments
Arkansas State University
Jonesboro, Arkansas

WITTENBERG, DELONY & DAVIDSON, INC.

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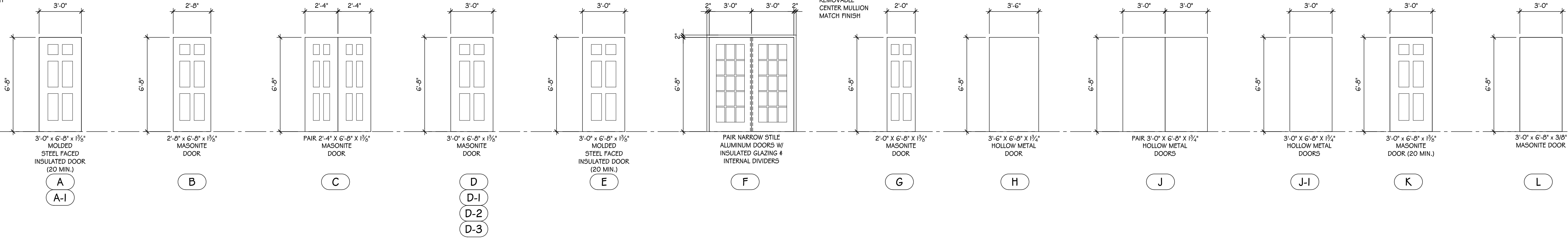
DATE: 4-28-08
JOB #: 07-047

FINISH SCHEDULE
& MISC. DETAILS

ISSUE
A5.01

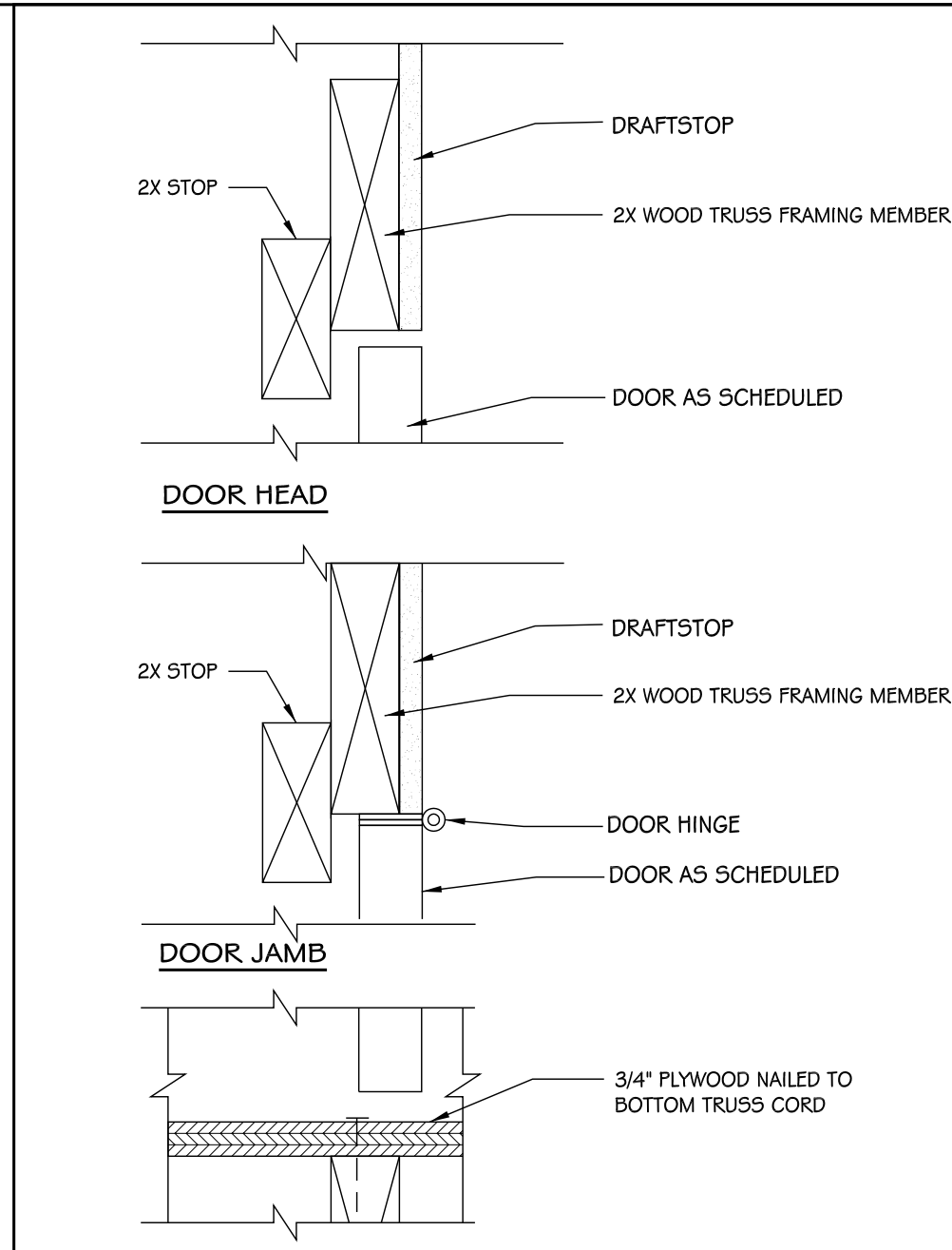
DOOR TYPES

NOTES:
NON ALUMINUM DOORS
& FRAMES PROVIDE HIGH
GLOSS PAINTED FINISH
ALL EXTERIOR DOOR
TO BE INSULATED



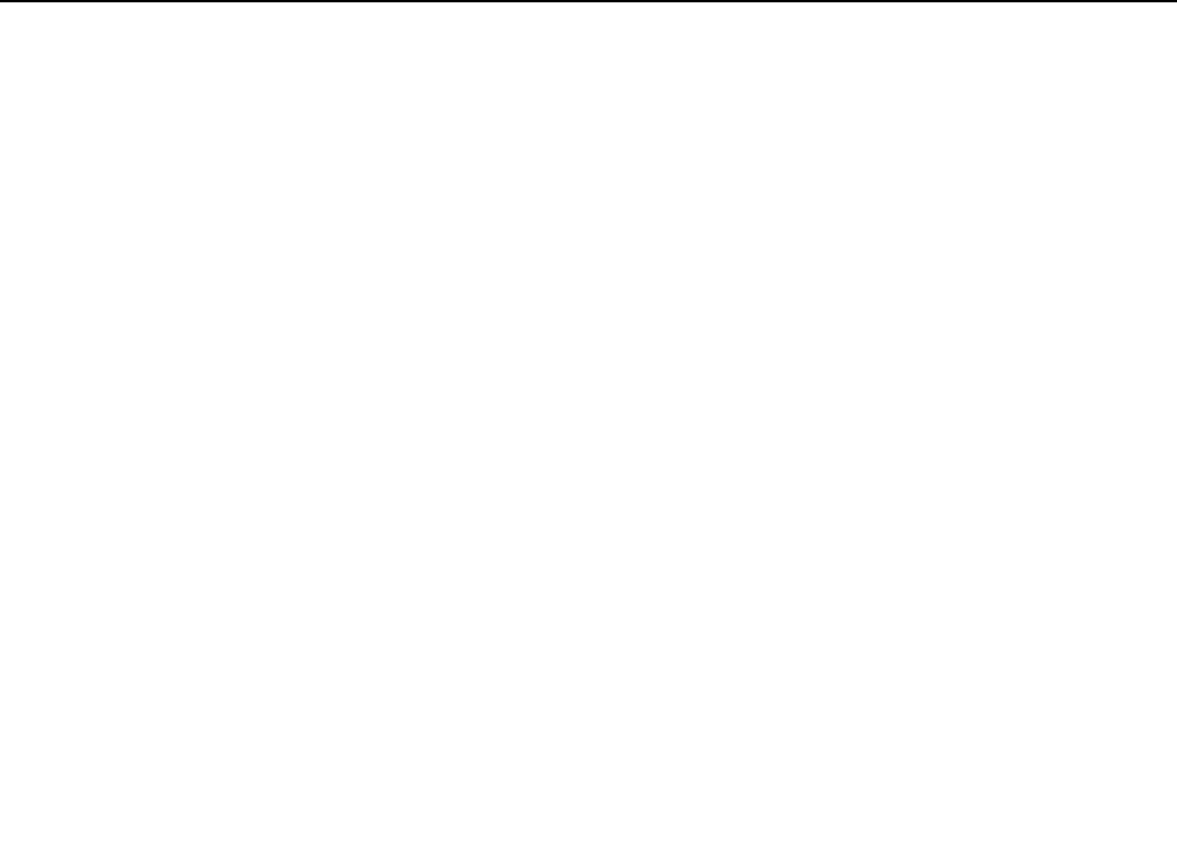
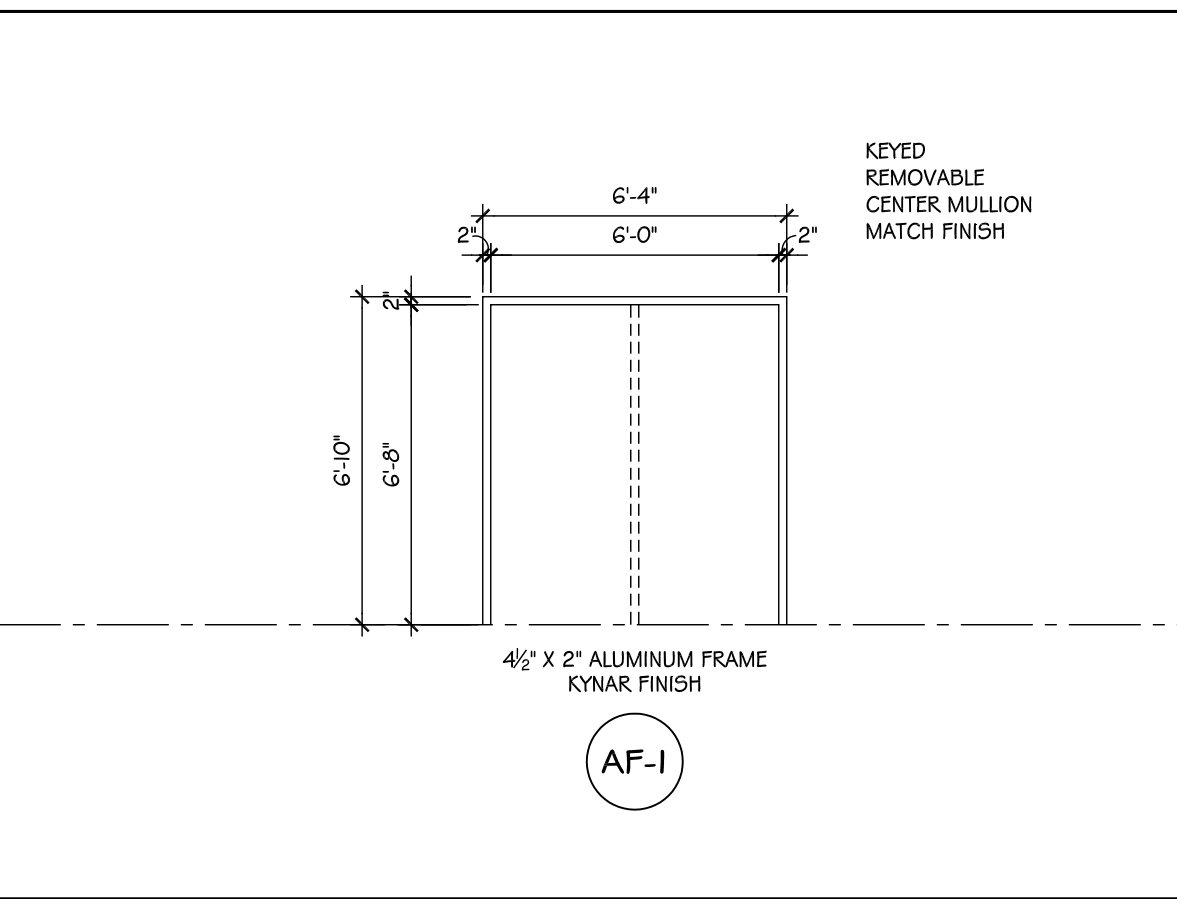
DOOR SCHEDULE										
TYPE	NUMBER	THRESH	FRAME	MATL.	DETAILS			HARDWARE	LABEL	REMARKS
					RE: SHT AS.02	HEAD	JAMB			
A	SINGLE	-----	HM-2	MOLDED STEEL FACED	4/A5.02	4/A5.02		7	20 MIN.	A
A-1	SINGLE	-----	HM-2	MOLDED STEEL FACED	10/A5.02	10/A5.03		6	20 MIN.	A
B	SINGLE	-----	PRE-HUNG	MASONITE	3/A5.02	3/A5.02		8		
C	PAIR	-----	PRE-HUNG	MASONITE	3/A5.02	3/A5.02		9		
D	SINGLE	-----	PRE-HUNG	MASONITE	2 & 3/A5.02	2 & 3/A5.02		5		
D-1	SINGLE	-----	PRE-HUNG	MASONITE	2 & 3/A5.02	2 & 3/A5.02		10		
D-2	SINGLE	-----	PRE-HUNG	MASONITE	2 & 3/A5.02	2 & 3/A5.02		11		
D-3	SINGLE	-----	PRE-HUNG	MASONITE	2 & 3/A5.02	2 & 3/A5.02		8		
E	SINGLE	ALUM	HM-2	HM	4/A5.02	4/A5.02	4/A5.02	3	20 MIN.	
F	PAIR	ALUM	AF-1	ALUM	5 & 6/A5.02	5 & 6/A5.02	4/A5.02	1		PANIC HARDWARE
G	SINGLE	-----	PRE-HUNG	MASONITE	3/A5.02	3/A5.02		8		
H	SINGLE	-----	HM-2	HM	1/A5.02	1/A5.02		4		
J	PAIR	ALUM	HM-1	HM	4/A5.02	4/A5.02		2		
J-1	SINGLE	ALUM	HM-2	HM	4/A5.02	4/A5.02		3		
K										NOT USED
L	SINGLE	-----	PRE-HUNG	MASONITE	7/A5.02	7/A5.02		12		

REMARKS
A. AT ALL ENTRANCE DOORS, PROVIDE DOOR VIEWERS @ 60" AFF (TYP.). AT ALL TYPE "A" HC UNITS PROVIDE A SECOND DOOR VIEWER MOUNTED AT 48" AFF.
B. PROVIDE HIGH GLOSS PAINT FINISH AT ALL STEEL DOORS & FRAMES & AT ALL WOOD DOORS AND FRAMES.

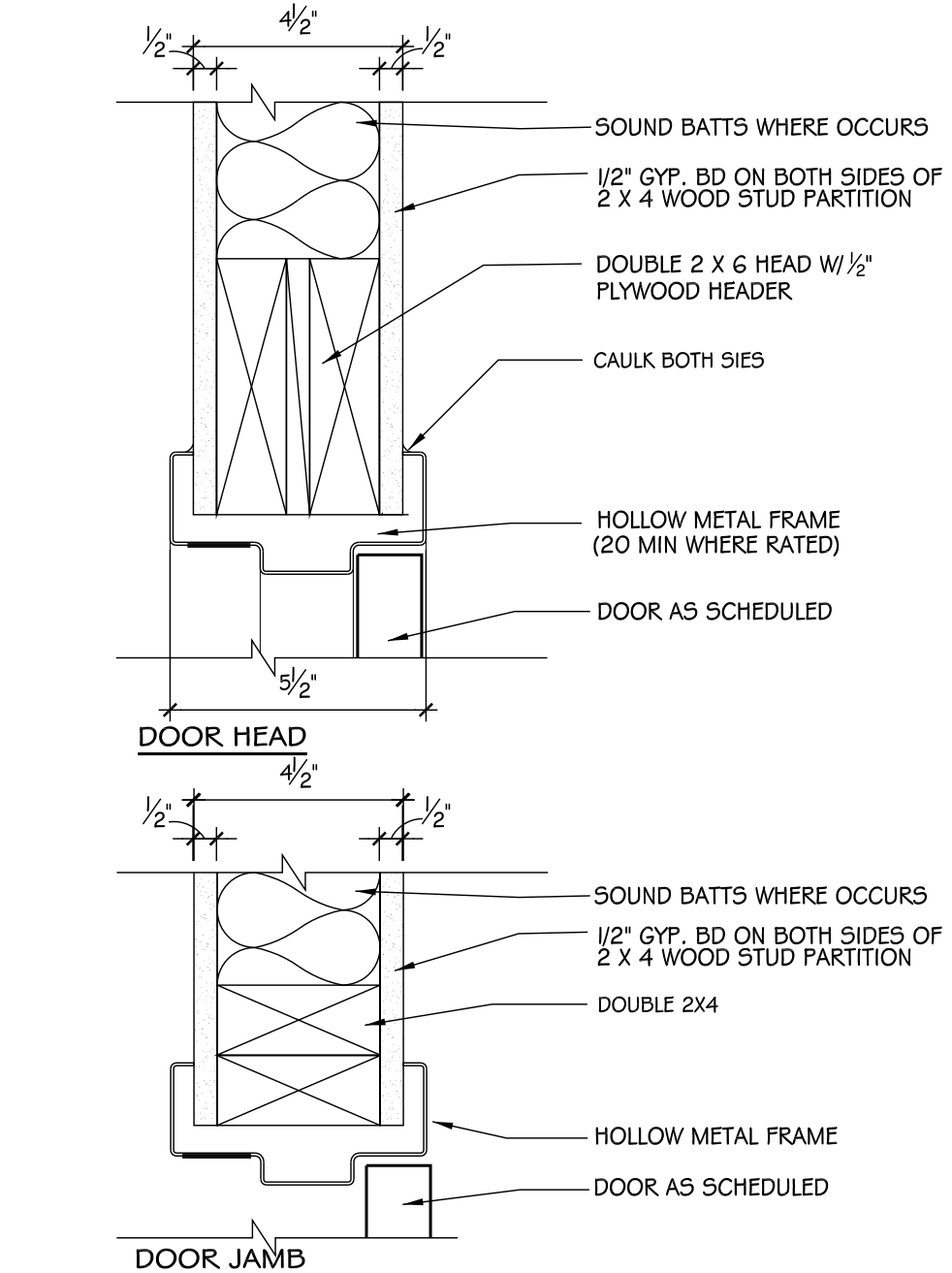
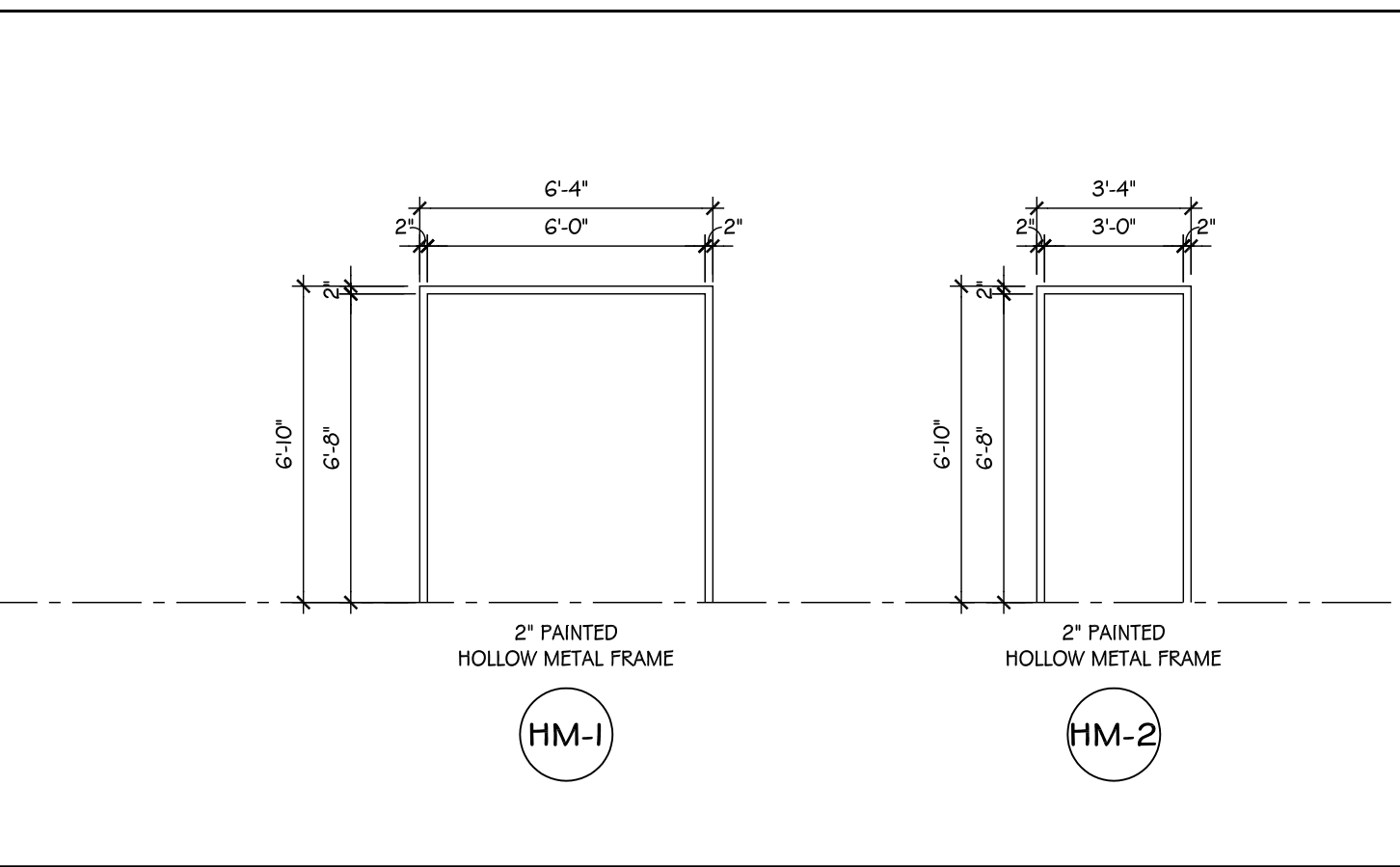


7 DOOR DETAIL @ ATTIC
SCALE: 3"=1'-0"

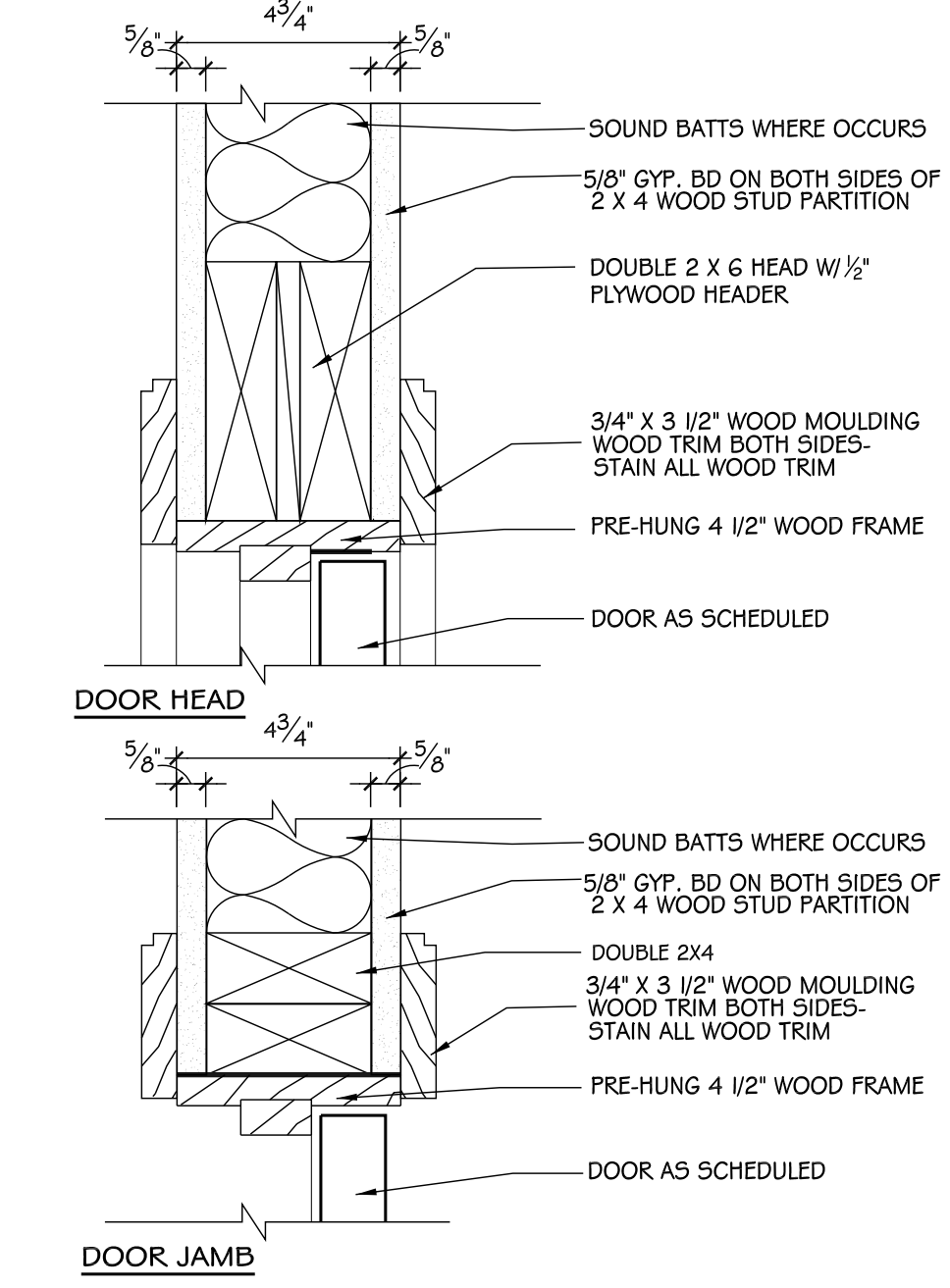
ALUMINUM FRAME SCHEDULE



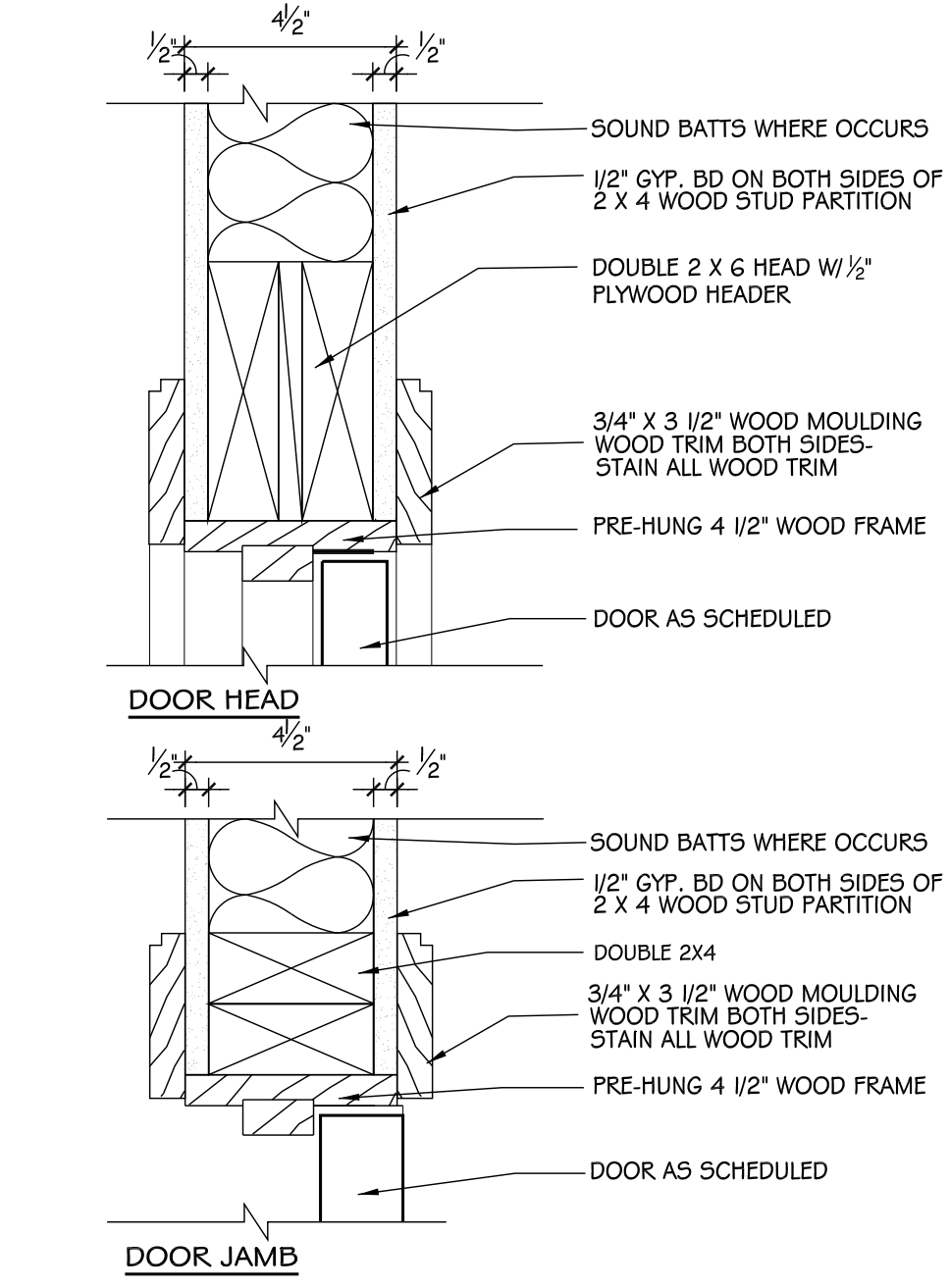
HOLLOW METAL FRAME SCHEDULE



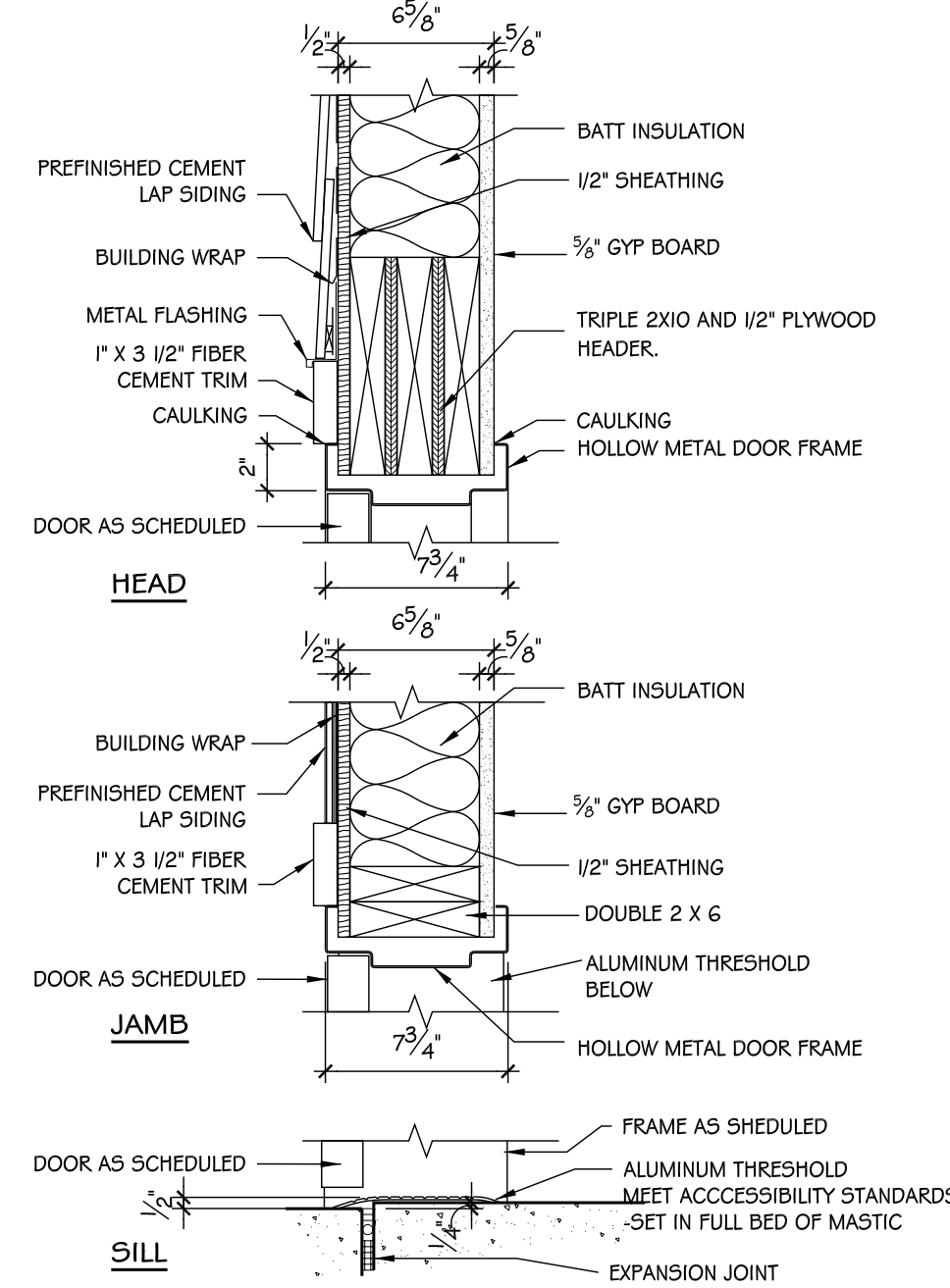
1 DOOR DETAIL @ COMMONS STORAGE
SCALE: 3"=1'-0"



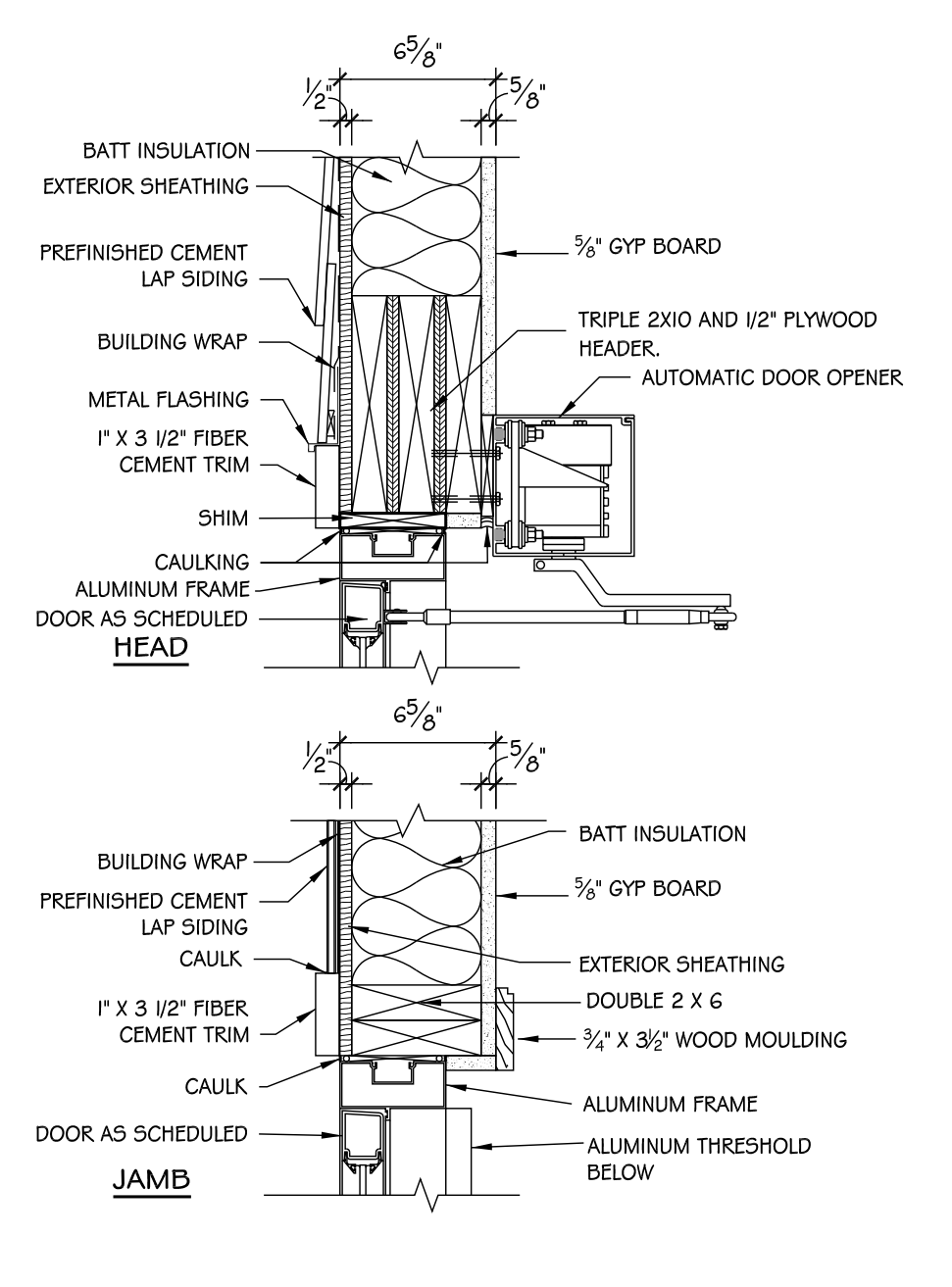
2 DOOR DETAIL @ RATED WALLS
SCALE: 3"=1'-0"



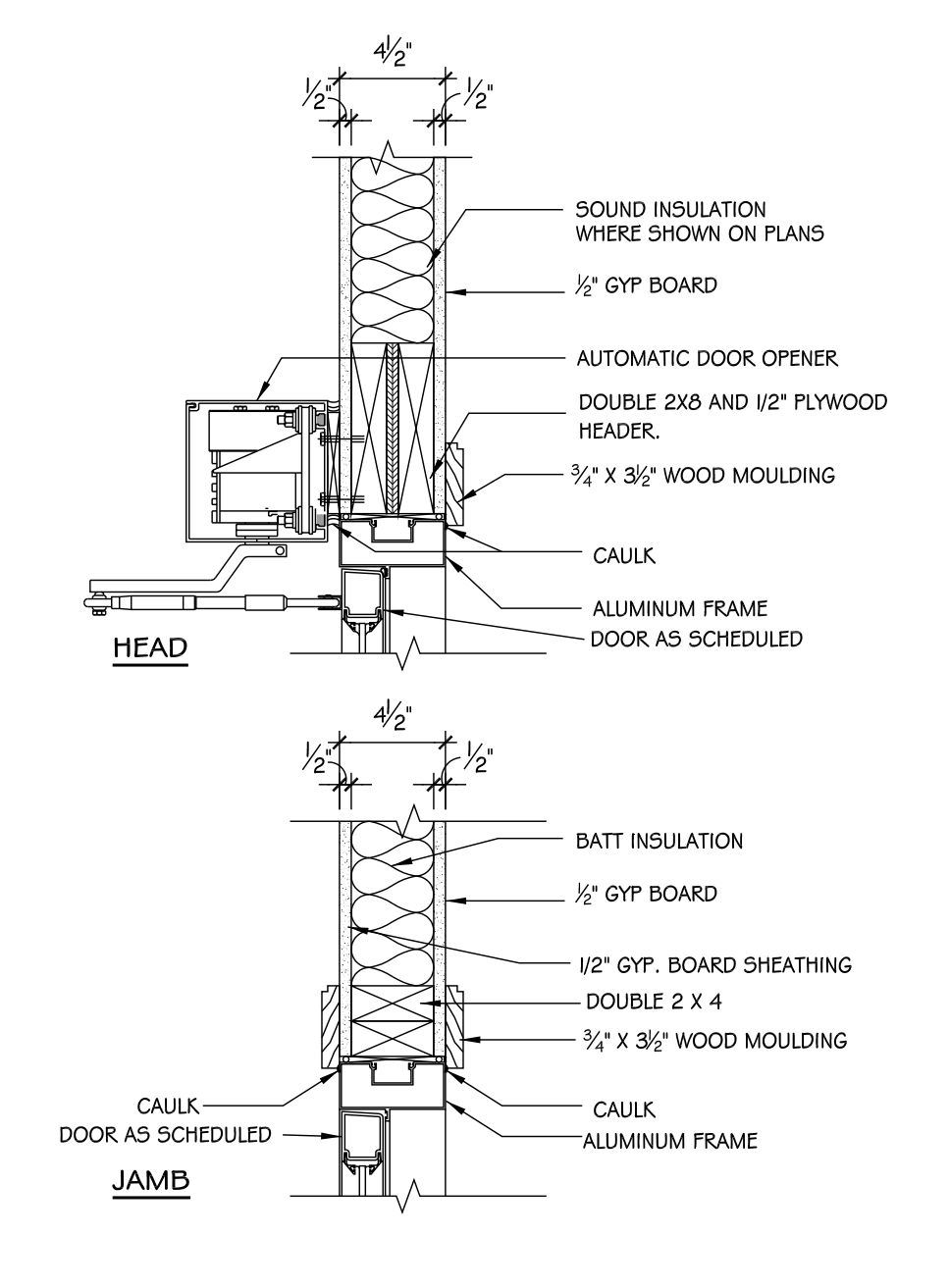
3 TYP. DOOR DETAIL
SCALE: 3"=1'-0"



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



5 ALUMINUM EXTERIOR DOOR DETAIL
SCALE: 1 1/2"=1'-0"



6 ALUMINUM DOOR DETAIL
SCALE: 1 1/2"=1'-0"

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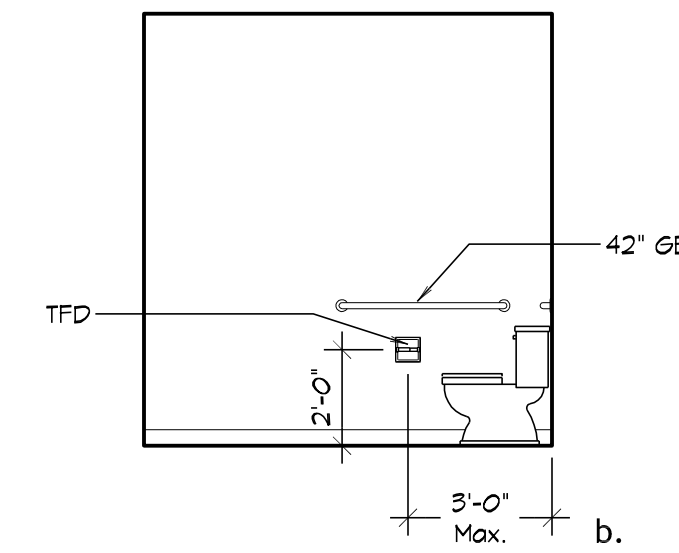
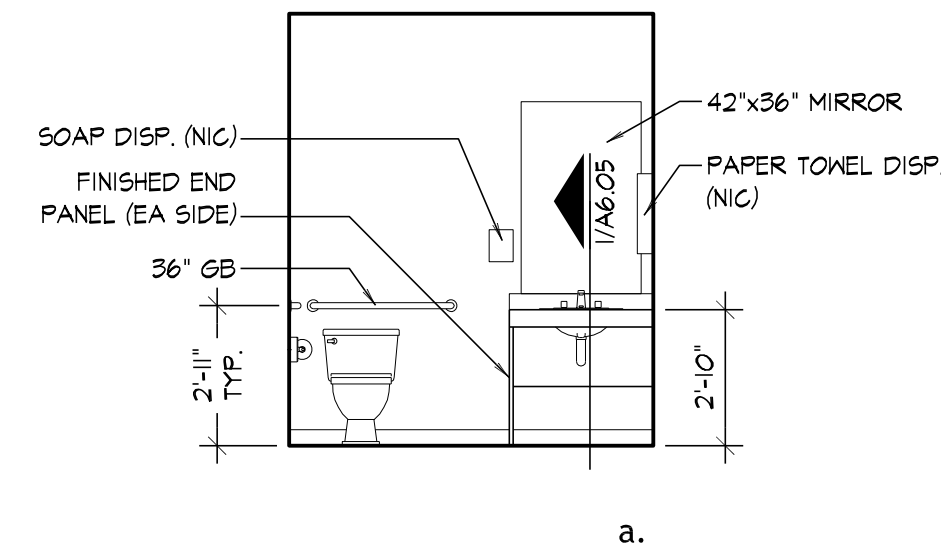
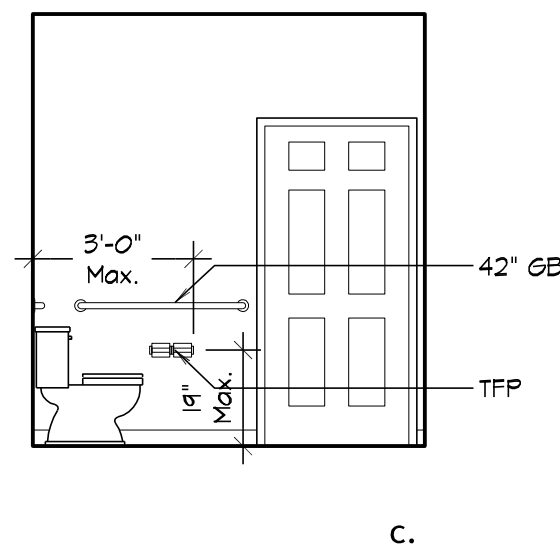
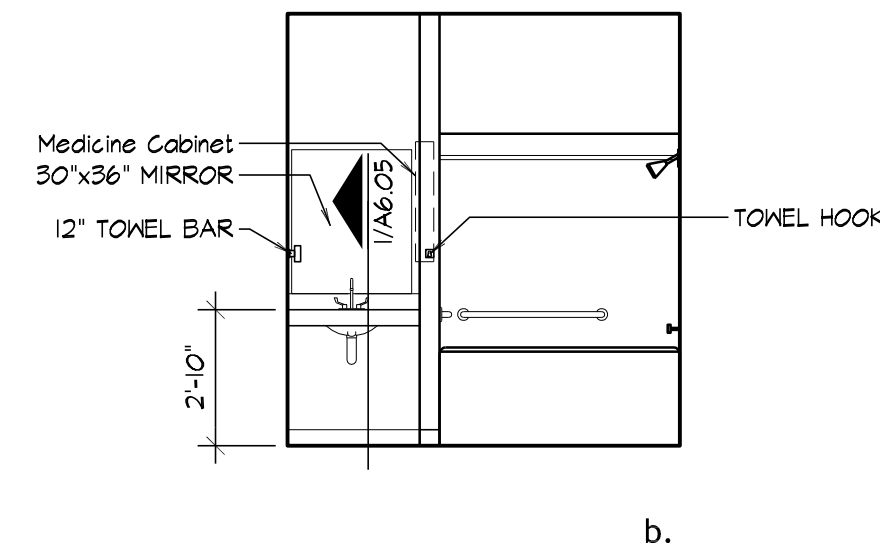
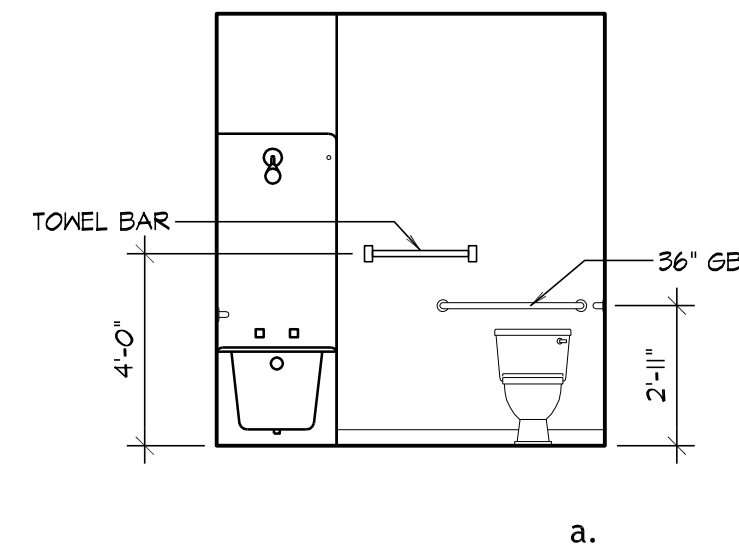
PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

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DOOR SCHEDULE
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WITTENBERG, DELONY & DAVIDSON, INC.

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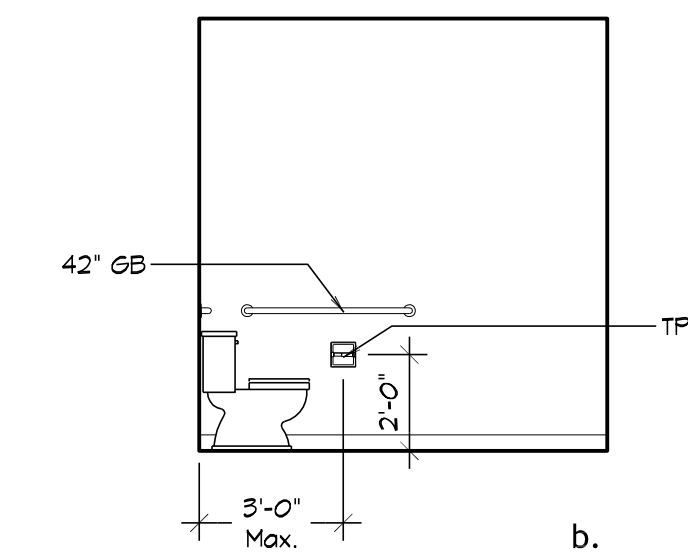
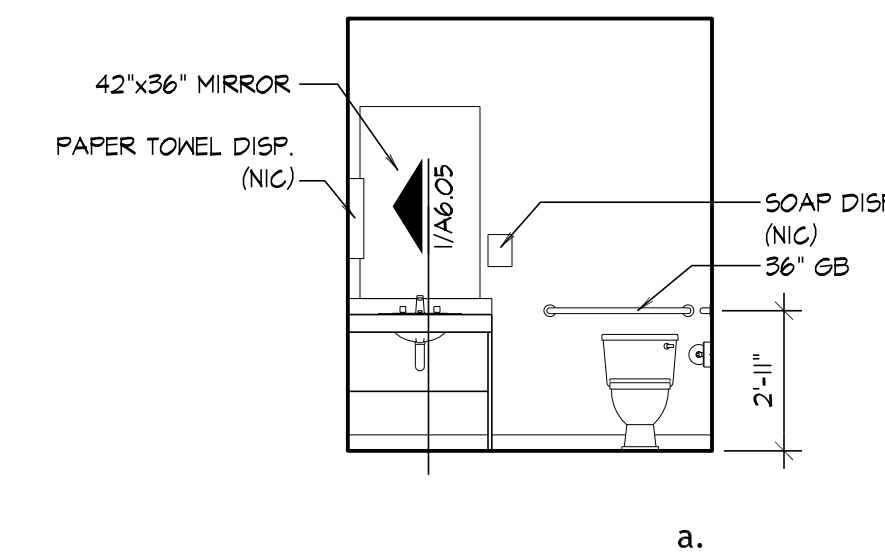
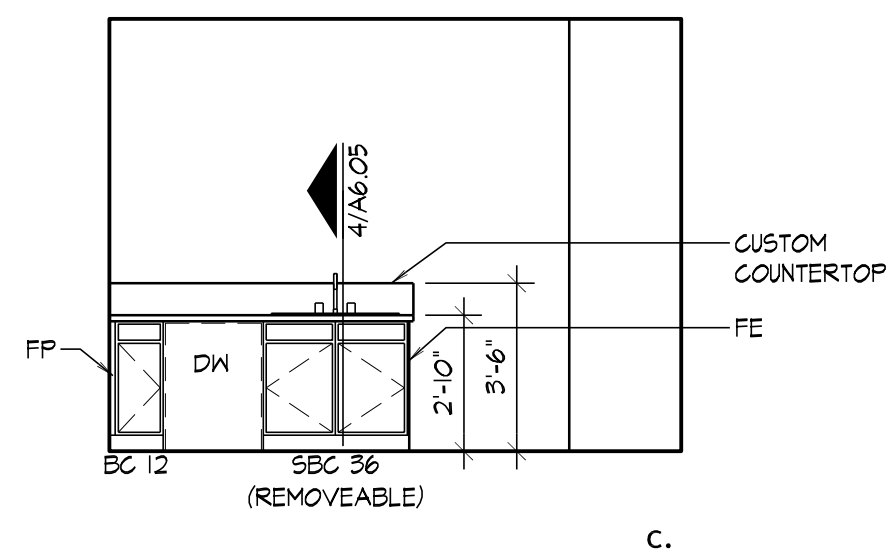
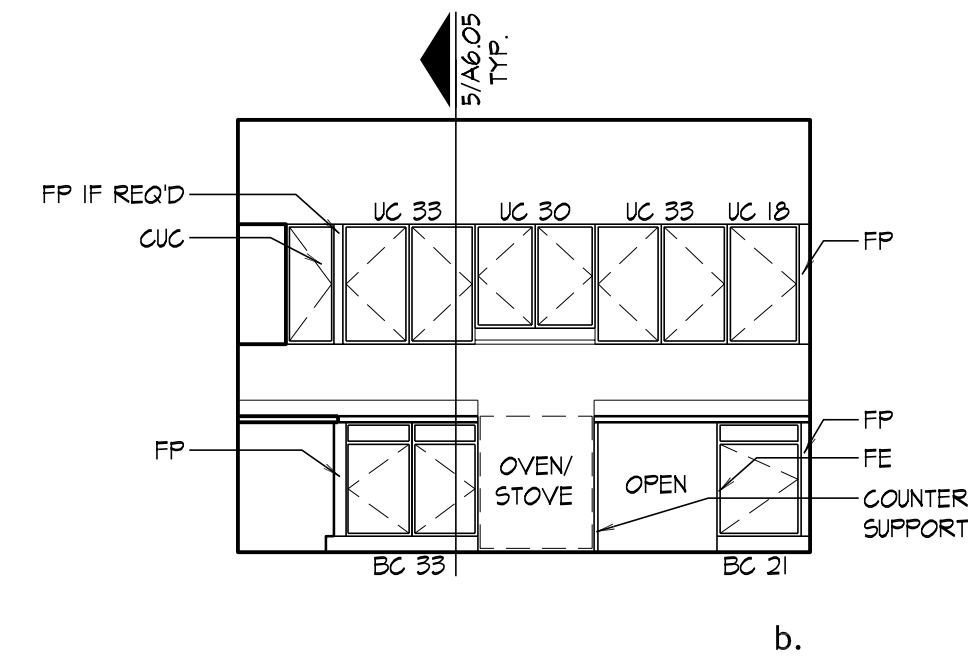
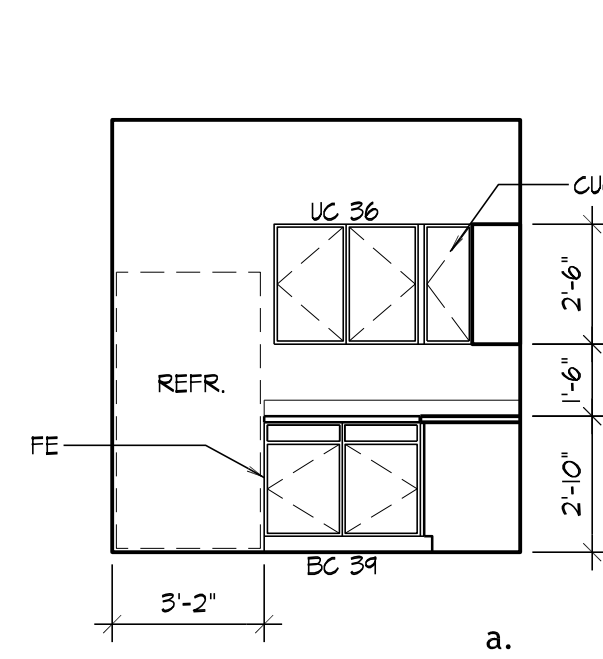
SHEET
ISSUE
A5.02



1 RES. DIR. APT. BATH
1/4" = 1'-0"

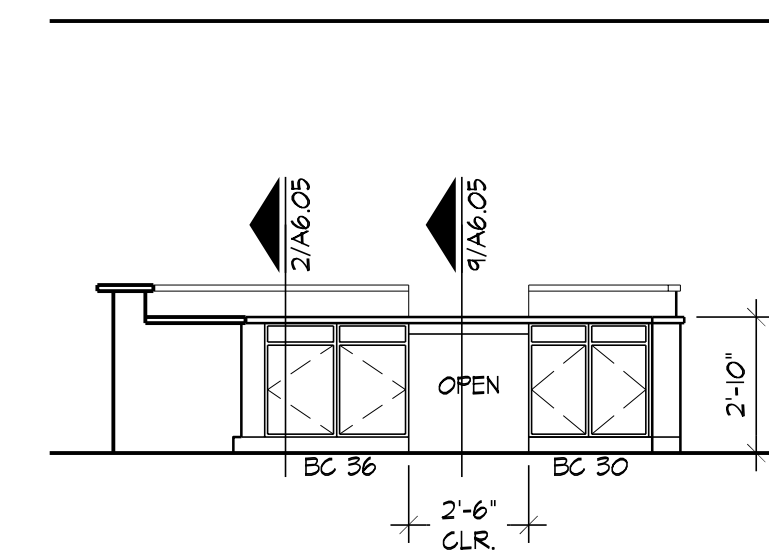
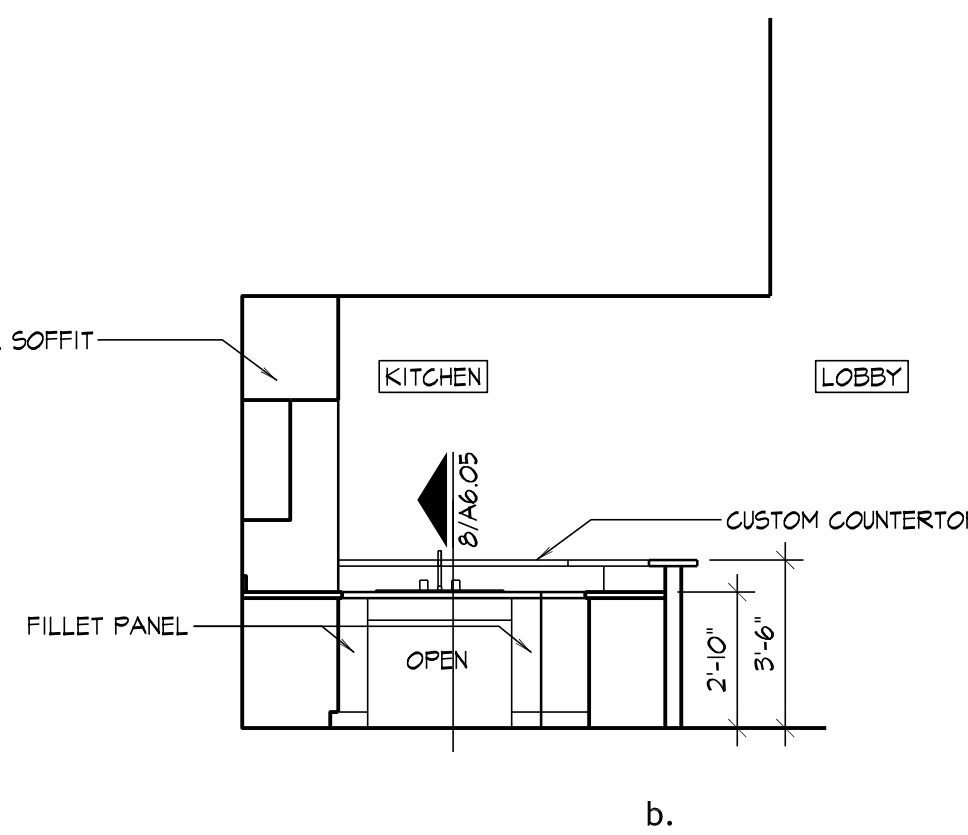
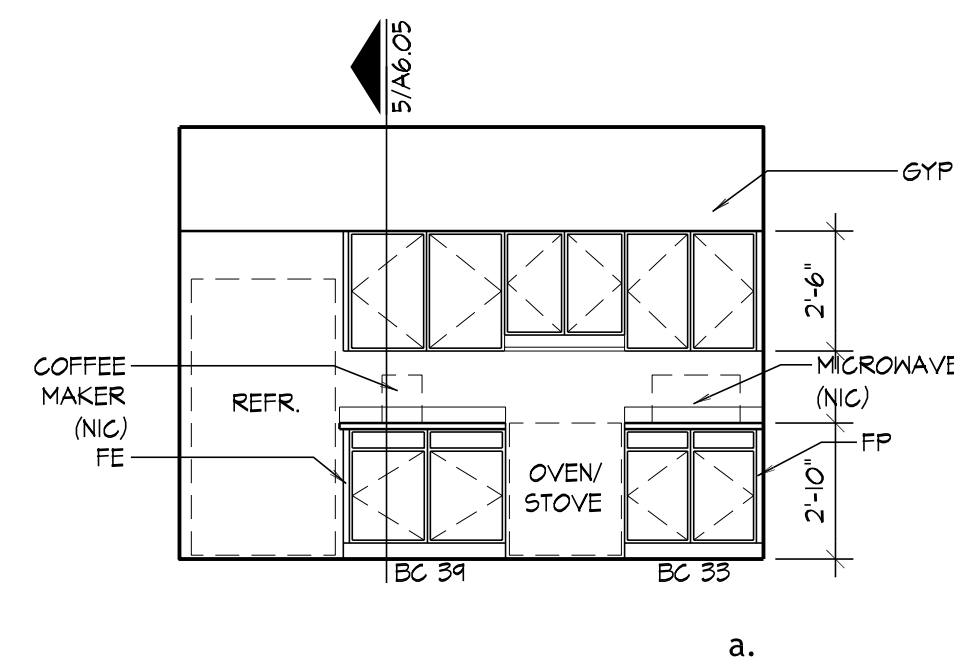
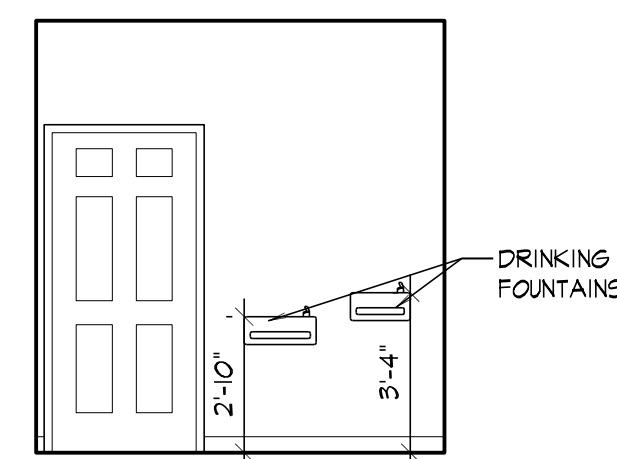
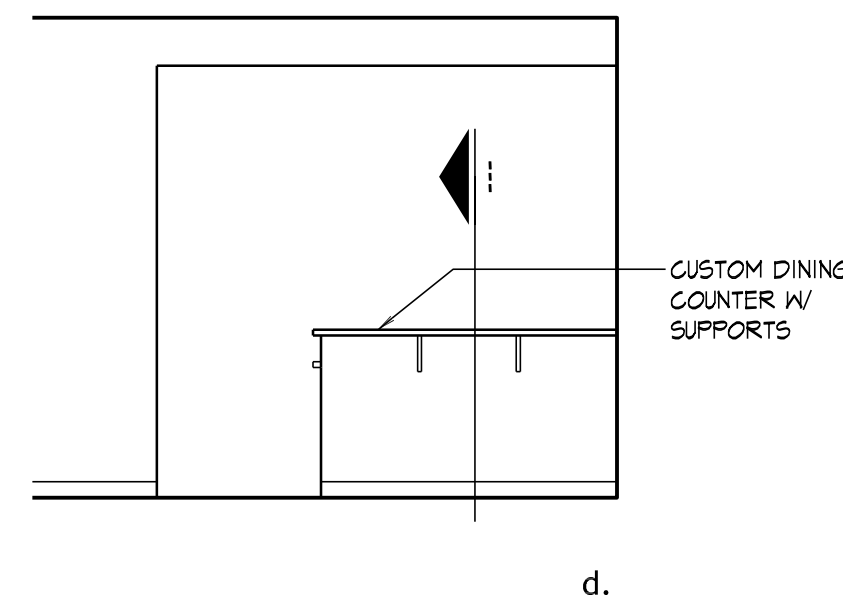
2 WOMEN'S RESTROOM
1/4" = 1'-0"

NOTE: CENTER UPPER CABTS W/ HOOD ON OVEN/STOVE.



3 RES. DIR. KITCHEN
1/4" = 1'-0"

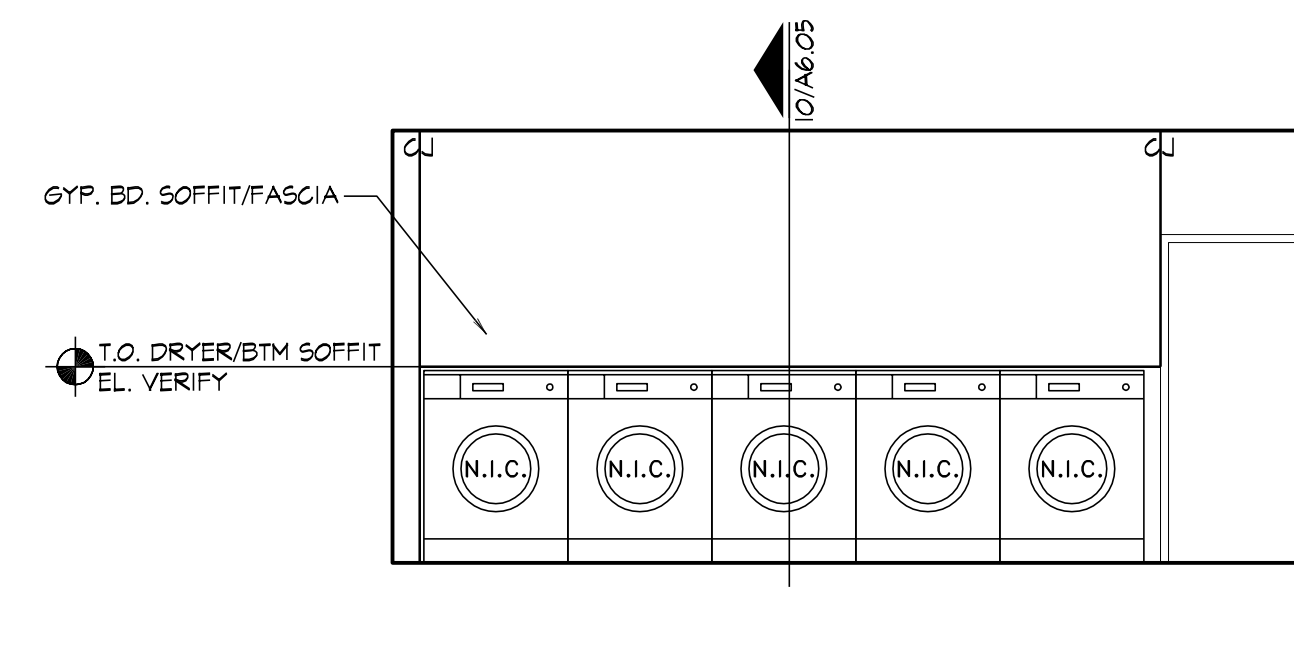
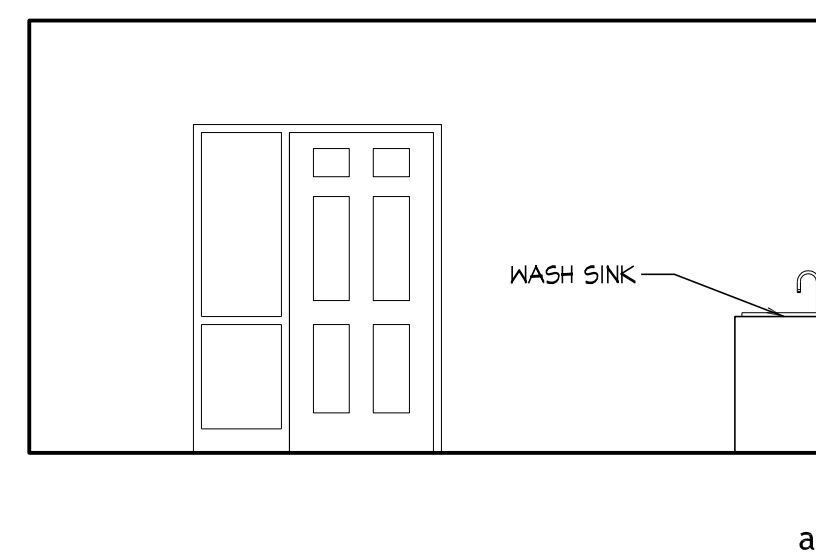
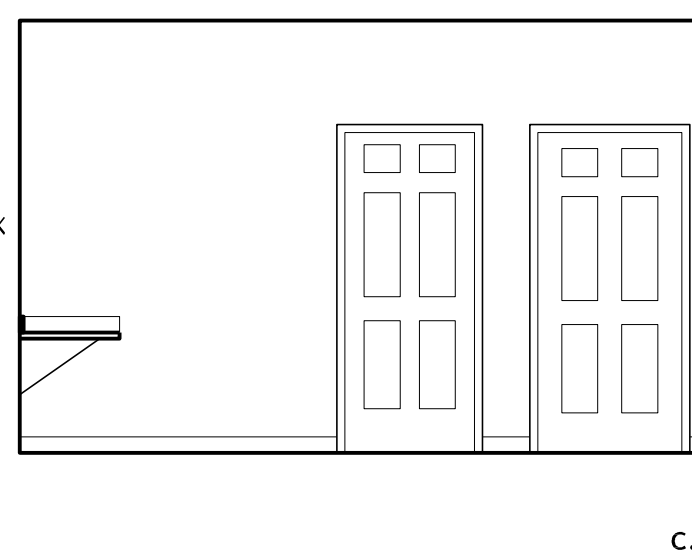
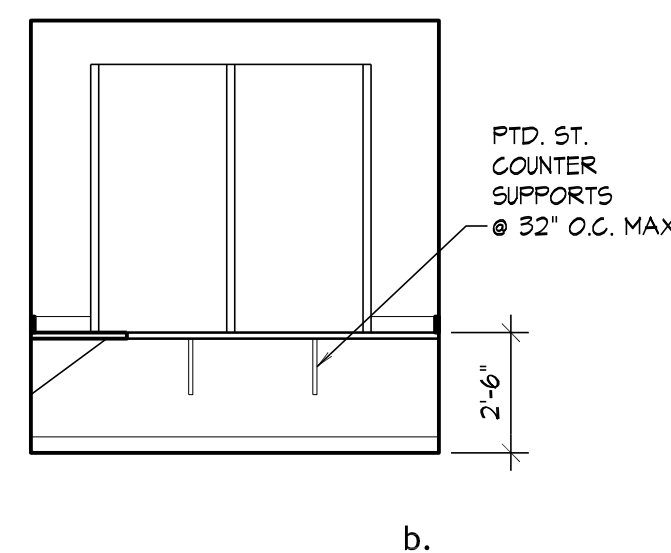
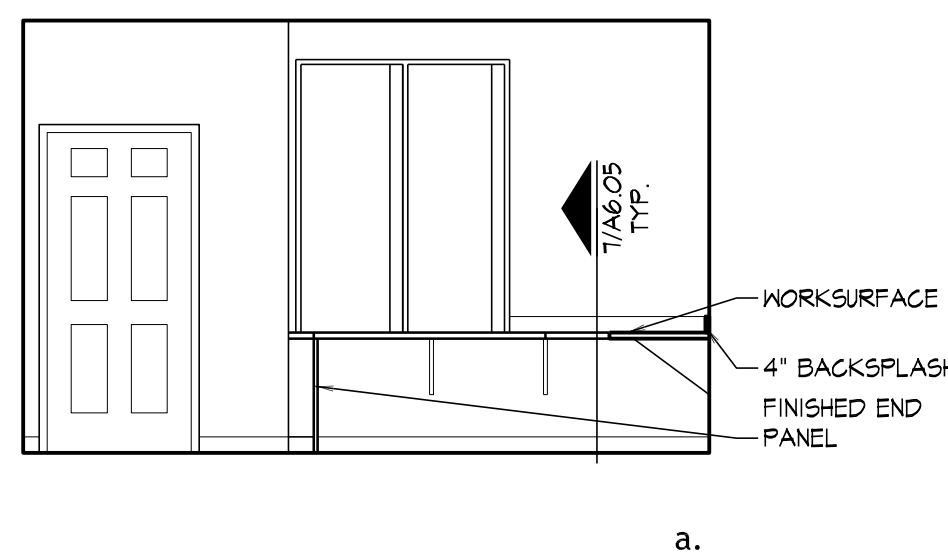
4 MEN'S RESTROOM
1/4" = 1'-0"



5 RES. DIR. KITCHEN
1/4" = 1'-0"

6 VENDING AREA
1/4" = 1'-0"

7 COMMONS KITCHEN
1/4" = 1'-0"

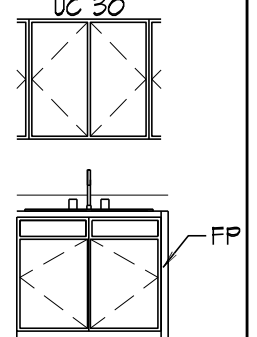


8 RECEPTION
1/4" = 1'-0"

9 LAUNDRY
1/4" = 1'-0"

CASEWORK LEDGING

- UC = UPPER CABINET
- 30 = CABINET'S MODULAR WIDTH IN INCHES
- FP = FILLER PANEL
- FE = FINISHED END PANEL
- BC = BASE CABINET
- 36 = CABINET'S MODULAR WIDTH IN INCHES
- CUC = CORNER UPPER CABINET W/ DOOR @ 45° TO ADJACENT CABINETS
- SBC = SINK BASE CABINET REMOVEABLE @ ALL FIRST FLOOR KITCHENS
- SVC = SINK VANTY CABINET REMOVEABLE @ ALL FIRST FLOOR LOCATIONS



TOILET ACCESSORY SCHEDULE

NOTE	ACCESSORY
A	B-6677, Recessed Toilet Tissue Dispenser
B	B-6806.99, 36" Grab Bar
C	B-6806.99, 42" Grab Bar
D	B-6751, Towel Hook
E	B-76737, 24" Surface Mtd. Towel Bar (12" Where Indicated)
F	Plumbing Guard, Brocar Trap-Wrap
G	Frameless Mirror

SCHEDULES BASED ON BOBRICK CO.

FLOOR FINISH LEGEND:

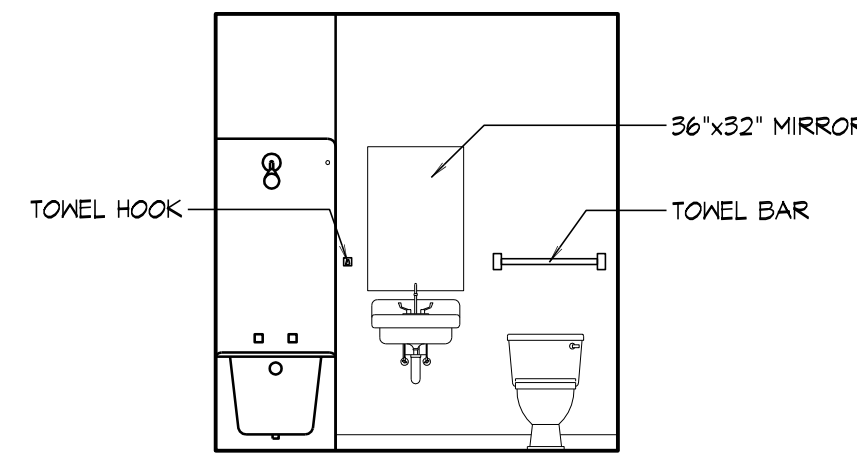
- PT = PORCELAIN TILE
- CPT (TYPE) = CARPET (REF. SPECS FOR TYPE)
- VCT = VINYL COMPOSITE TILE
- SC = SEALED CONCRETE

ACCESSIBLE UNIT TYPE 'A' REQUIREMENTS:

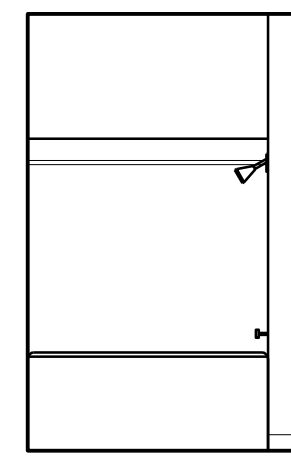
1. PROVIDE REMOVABLE BASE CABINETS, FINISH FLOORING SHALL EXTEND UNDER REMOVABLE CABINET TO BACK WALL. (ANSI 1002.12.3.1 ex.)
2. SINK BOWL DEPTH SHALL NOT EXCEED 6 1/2". DOUBLE COMPARTMENT SINK IN KITCHEN SHALL HAVE AT LEAST ONE COMPARTMENT COMPLYING WITH THIS REQUIREMENT. (ANSI 1002.12.4.3)
3. DRAIN PIPE UNDER SINK TO BE INSULATED TO PROTECT AGAINST CONTACT (REF: TOILET ACCESSORY ITEM J) (ANSI 1002.12.4.5)
4. ALL KITCHEN APPLIANCES SHALL COMPLY WITH ACCESSIBLE REQUIREMENTS, (ANSI 1002.12.6)
 - a. DISHWASHER SHALL FIT UNDER 34" COUNTERTOP.
 - b. OVEN/RANGE SHALL HAVE CONTROLS ON FRONT PANELS ADJACENT TO OVEN DOOR.
 - c. REFRIGERATOR/FREEZER SHALL HAVE AT LEAST 50% OF FREEZER SPACE, 54" MAX. ABOVE FLOOR.
 - d. RANGE HOOD SHALL HAVE OPERATING CONTROLS MOUNTED NO MORE THAN 48" ABOVE THE FLOOR AND WITHIN REQUIRED REACH LIMITS PER ANSI 308.3.
5. ALL REQUIRED ACCESSIBLE CLEARANCES ARE ILLUSTRATED ON PLANS.

ACCESSIBLE UNIT TYPE 'B' REQUIREMENTS:

1. PROVIDE REMOVABLE BASE CABINETS, FINISH FLOORING SHALL EXTEND UNDER REMOVABLE CABINET TO BACK WALL. (ANSI 1002.12.3.1 ex.)
2. DRAIN PIPE UNDER SINK TO BE INSULATED TO PROTECT AGAINST CONTACT (REF: TOILET ACCESSORY ITEM J) (ANSI 1002.12.4.5)
3. ALL REQUIRED ACCESSIBLE CLEARANCES ARE ILLUSTRATED ON PLANS.

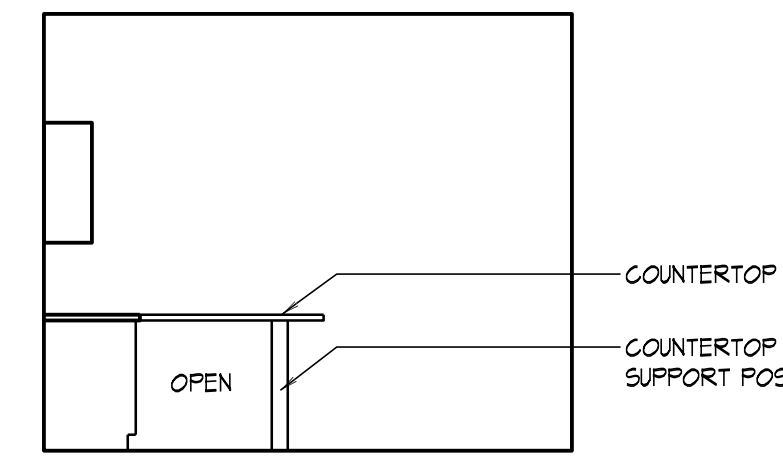


a.

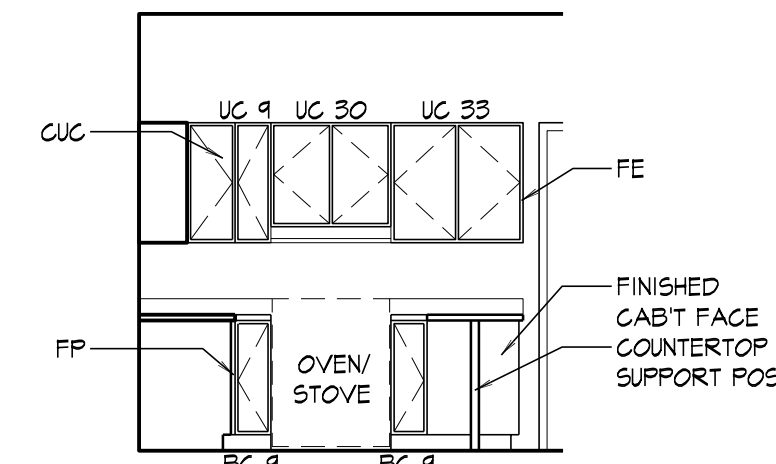


b.

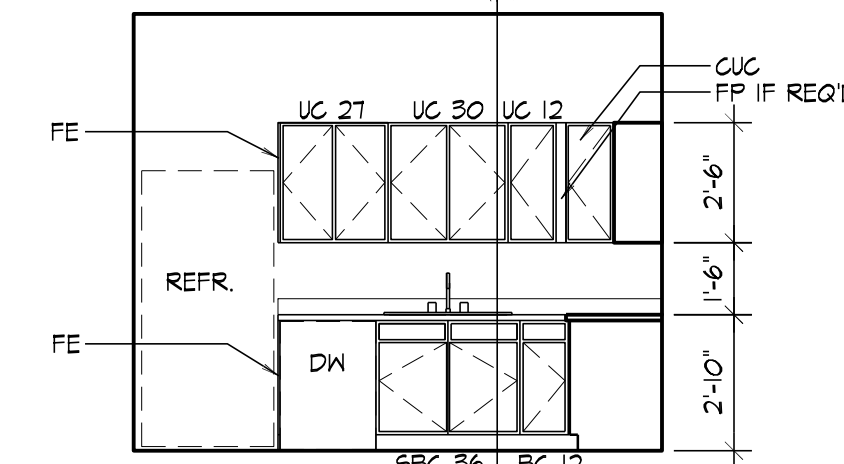
1 3 BED - TYPE B - BATH
1/4" = 1'-0"



a.



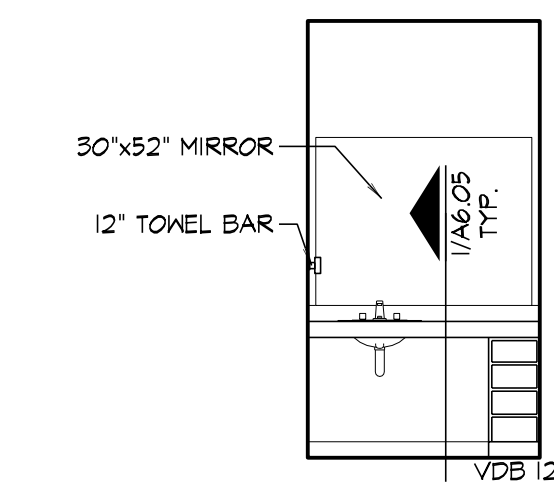
b.



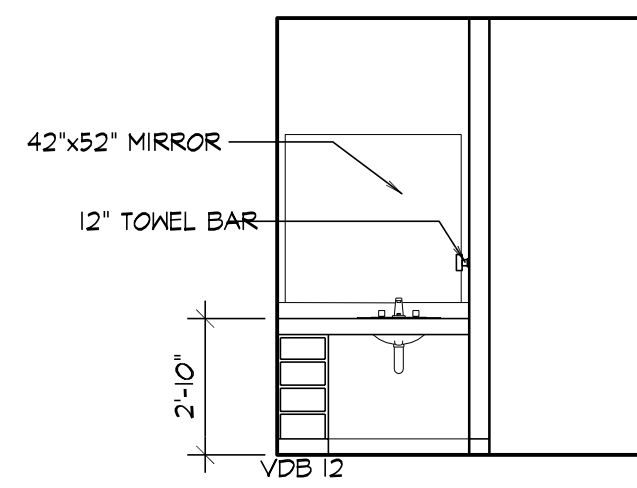
c.

2 3 BED - TYPE B - KITCHEN
1/4" = 1'-0"

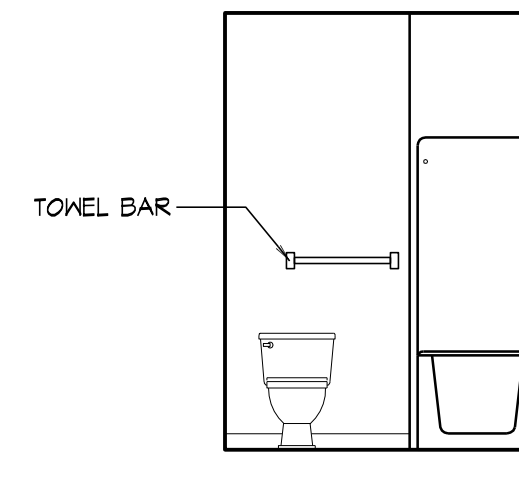
NOTE: CENTER UPPER CABTS W/ HOOD ON OVEN/STOVE L.



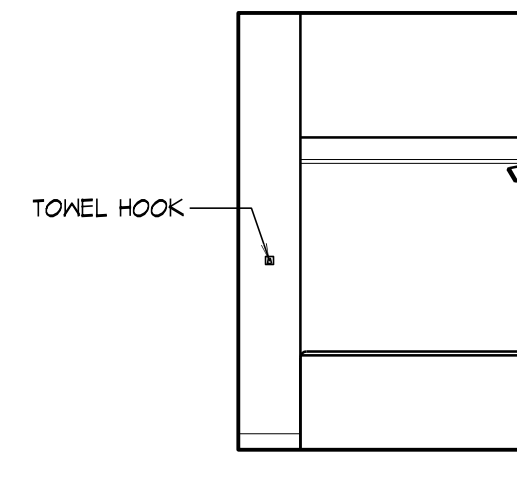
3 3 BED - TYPE B - VANITY
1/4" = 1'-0"



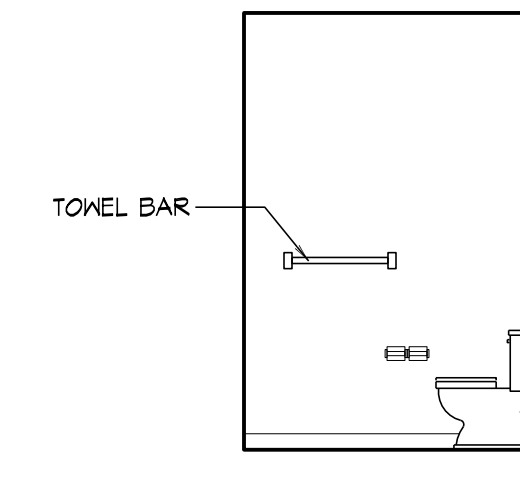
4 4 BED - NON-ACCESSIBLE - VANITY
1/4" = 1'-0"



a.



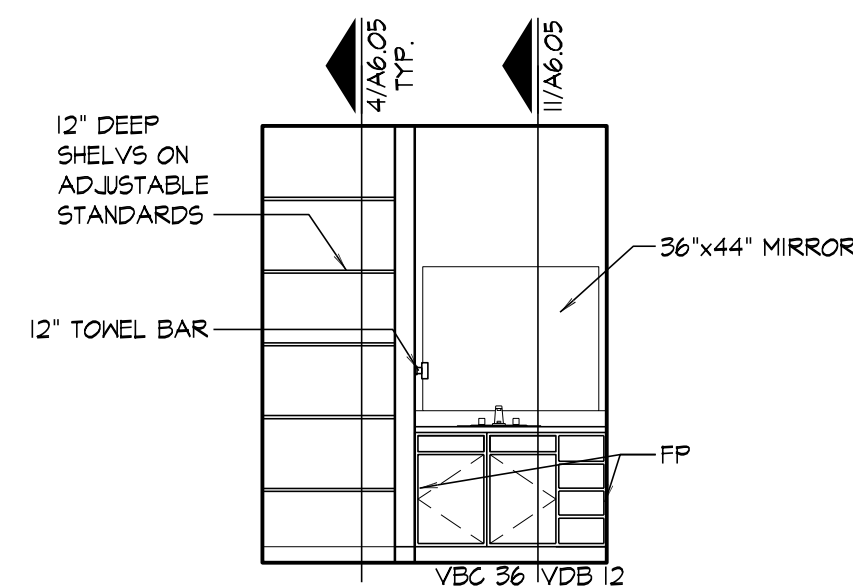
b.



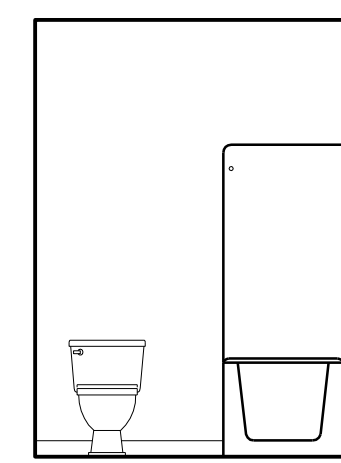
c.

5 4 BED - NON-ACCESSIBLE - BATH
1/4" = 1'-0"

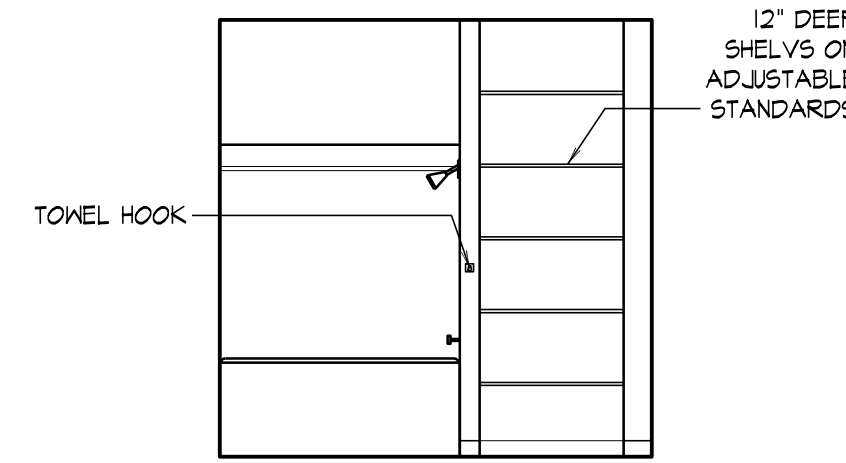
NOTE: CENTER CABT W/ SINK L.



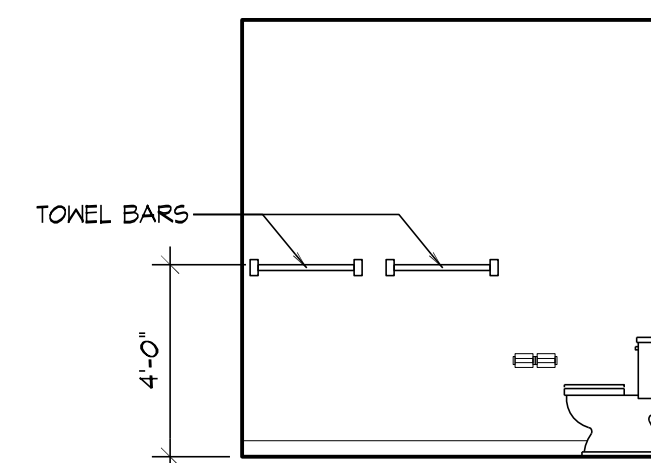
6 3 BED - NON-ACCESSIBLE - VANITY
1/4" = 1'-0"



a.



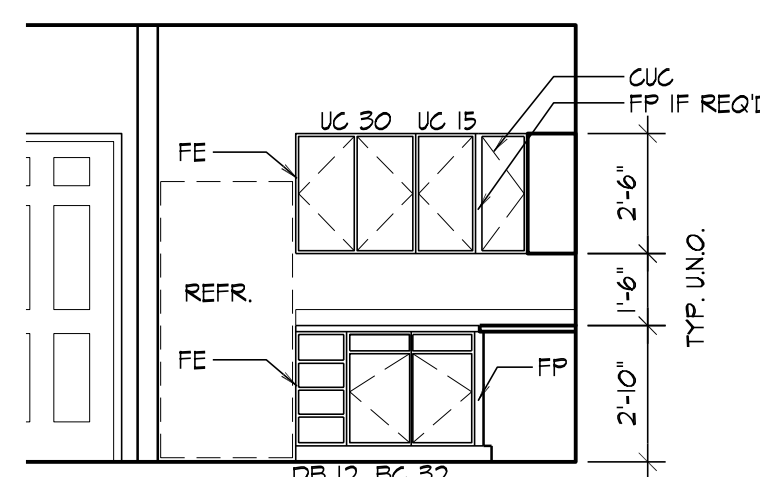
b.



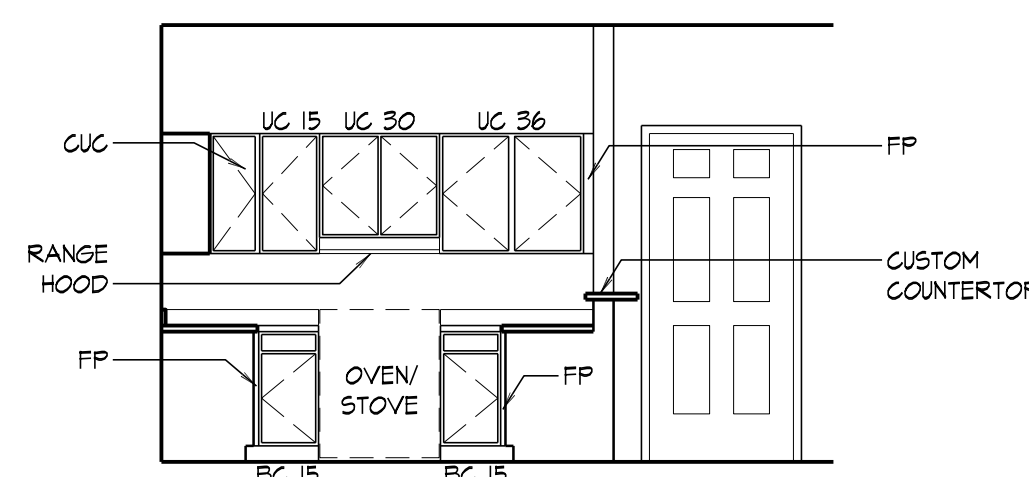
c.

7 4 BED - NON-ACCESSIBLE - BATH
1/4" = 1'-0"

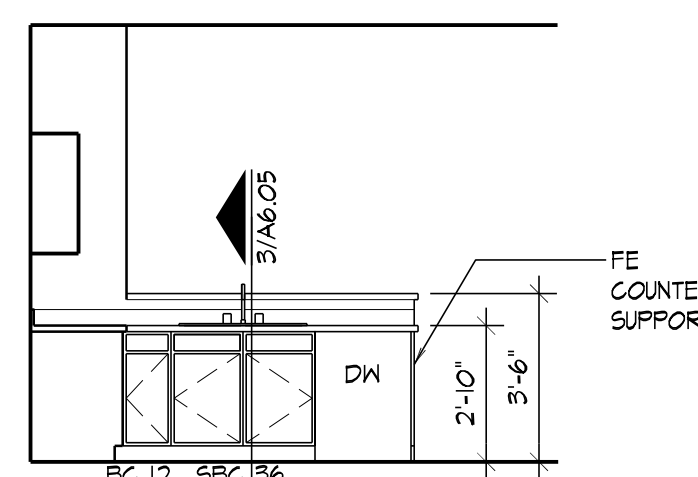
NOTE: CENTER UPPER CABTS W/ HOOD ON OVEN/STOVE L.



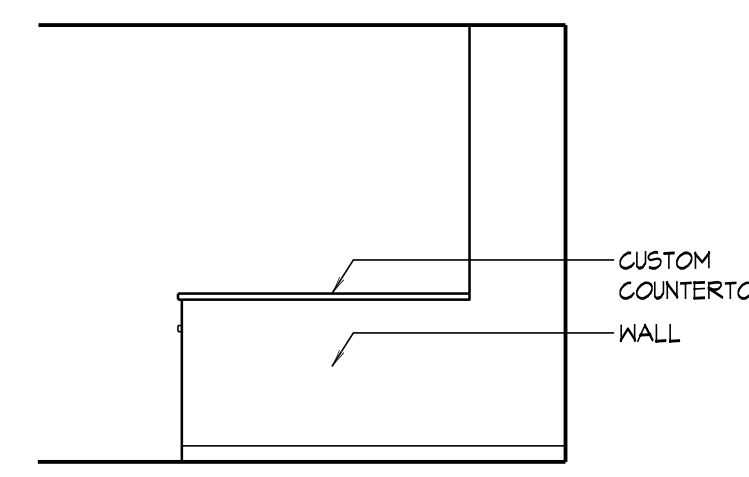
a.



b.



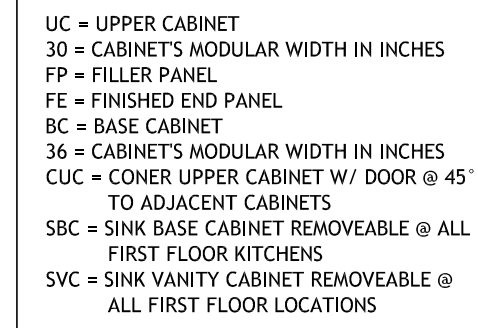
c.



d.

8 4 BED - NON-ACCESSIBLE - KITCHEN
1/4" = 1'-0"

CASEWORK LEDGING



UC = UPPER CABINET
30 = CABINETS MODULAR WIDTH IN INCHES
FP = FILLER PANEL
FE = FINISHED END PANEL
BC = BASE CABINET
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C	B-6806.99, 42" Grab Bar
D	B-6751, Towel Hook
E	B-76737, 24" Surface Mtd. Towel Bar (12" Where Indicated)
F	Plumbing Guard, Brocar Trap-Wrap
G	Frameless Mirror

SCHEDULES BASED ON BOBRICK CO.

FLOOR FINISH LEGEND:

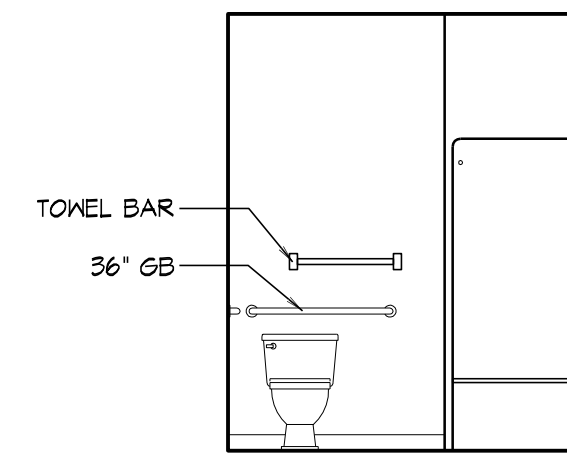
PT = PORCELAIN TILE
CPT (TYPE) = CARPET (REF. SPECS FOR TYPE)
VCT = VINYL COMPOSITE TILE
SC = SEALED CONCRETE

ACCESSIBLE UNIT TYPE 'A' REQUIREMENTS:

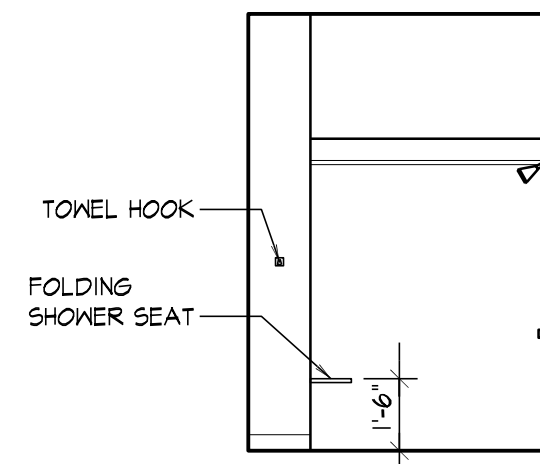
- PROVIDE REMOVABLE BASE CABINETS, FINISH FLOORING SHALL EXTEND UNDER REMOVABLE CABINET TO BACK WALL. (ANSI 1002.12.3) ex.)
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- ALL REQUIRED ACCESSIBLE CLEARANCES ARE ILLUSTRATED ON PLANS.

ACCESSIBLE UNIT TYPE 'B' REQUIREMENTS:

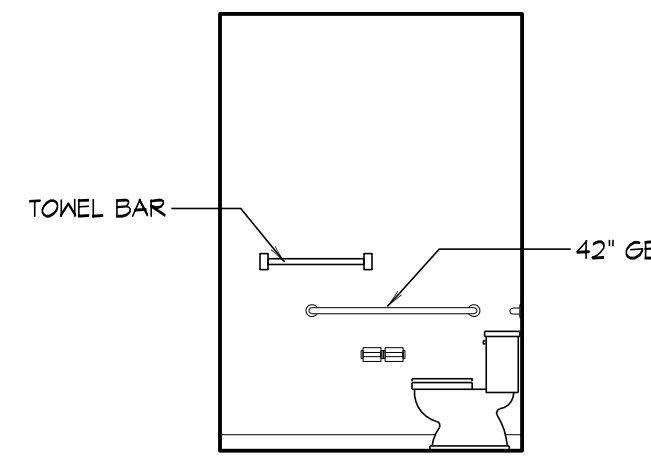
- PROVIDE REMOVABLE BASE CABINETS, FINISH FLOORING SHALL EXTEND UNDER REMOVABLE CABINET TO BACK WALL. (ANSI 1002.12.3) ex.)
- DRAIN PIPE UNDER SINK TO BE INSULATED TO PROTECT AGAINST CONTACT (REF: TOILET ACCESSORY ITEM J) (ANSI 1002.12.4.5)
- ALL REQUIRED ACCESSIBLE CLEARANCES ARE ILLUSTRATED ON PLANS.



a.

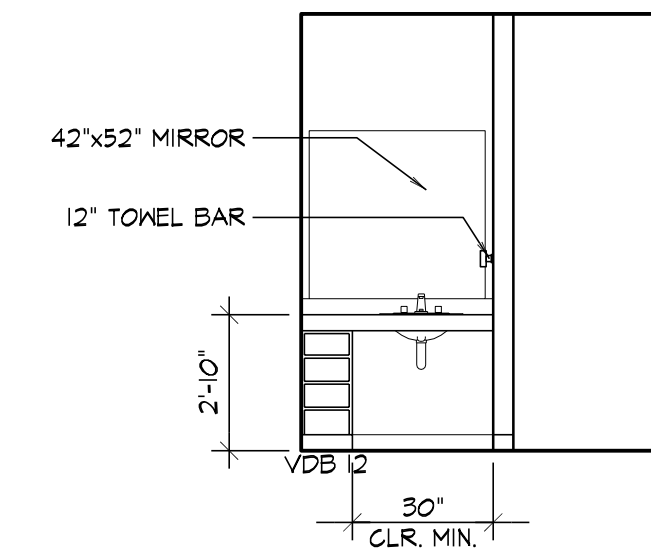


b.

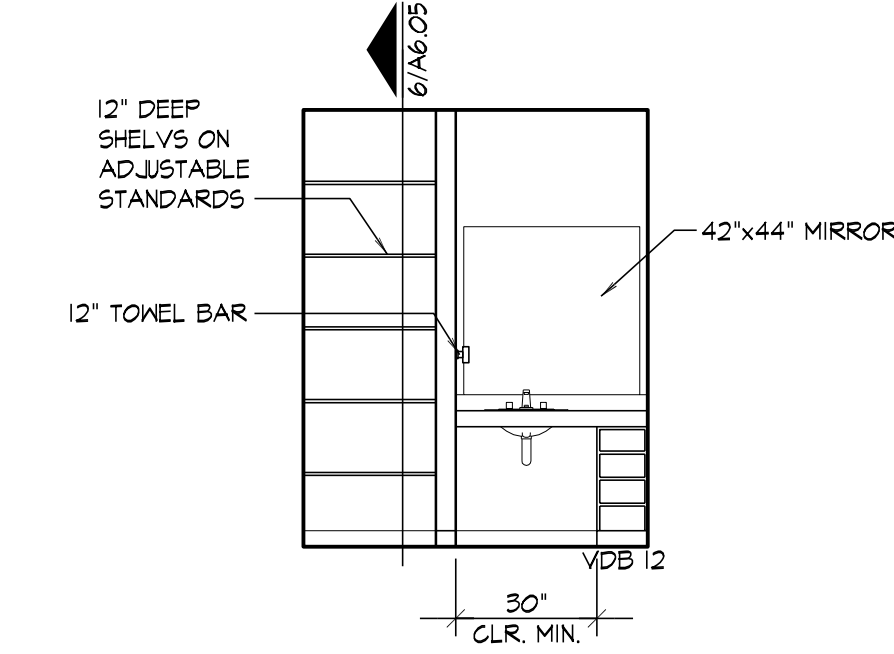


c.

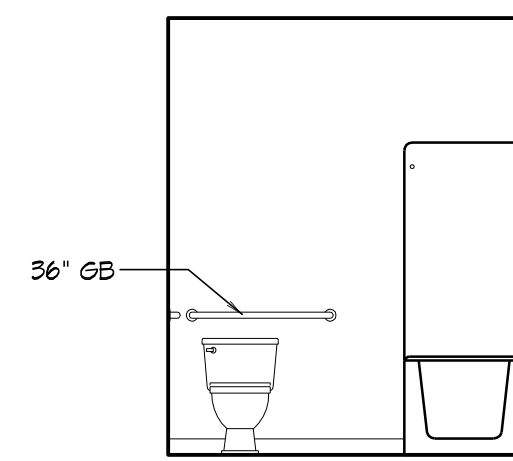
1 4 BED - ACCESSIBLE - BATH
1/4" = 1'-0"



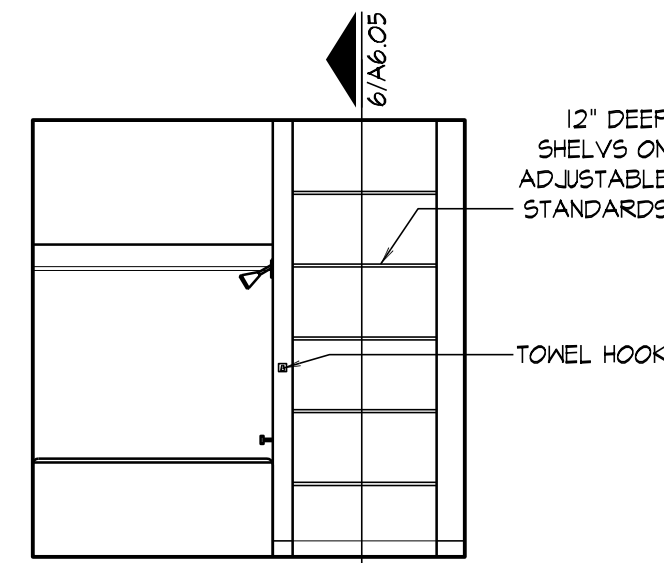
2 4 BED - ACCESSIBLE - VANITY
1/4" = 1'-0"



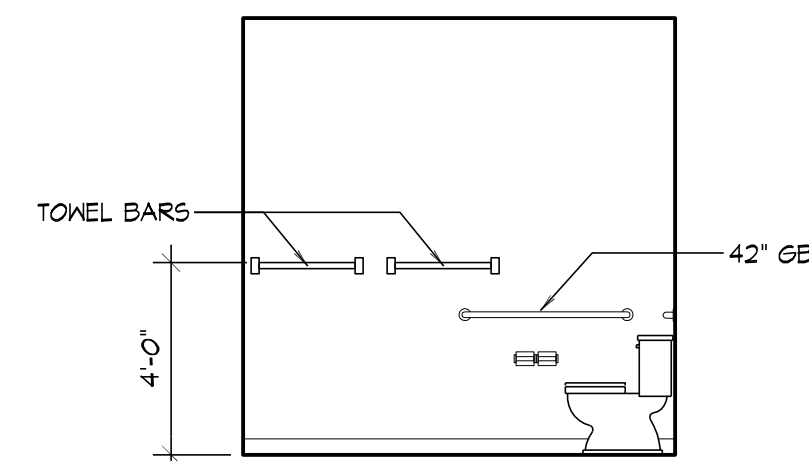
3 4 BED - ACCESSIBLE - VANITY
1/4" = 1'-0"



a.

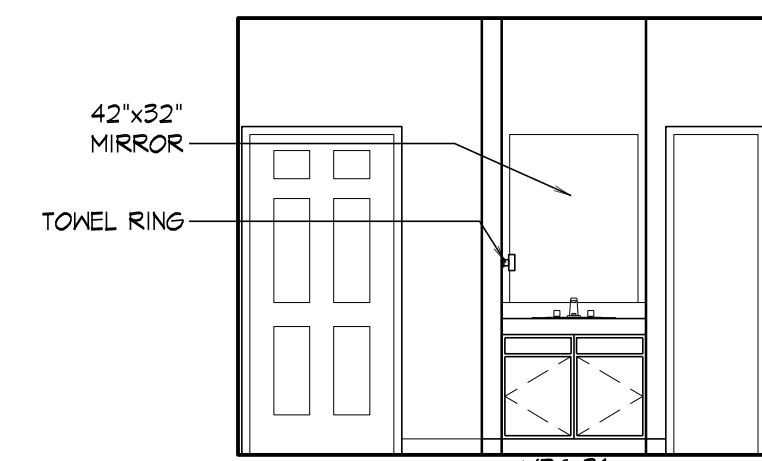


b.

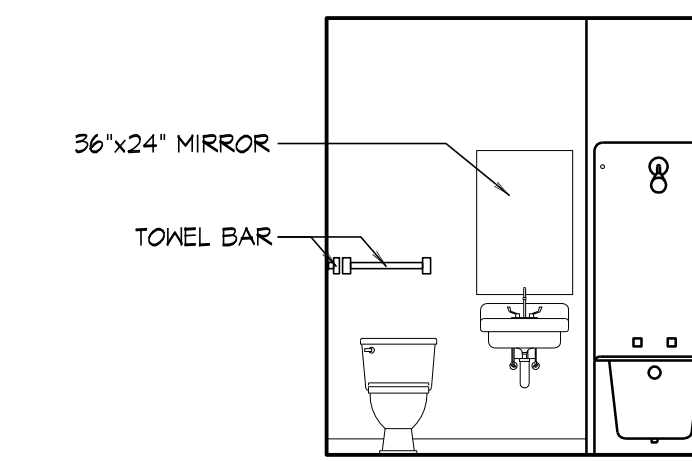


c.

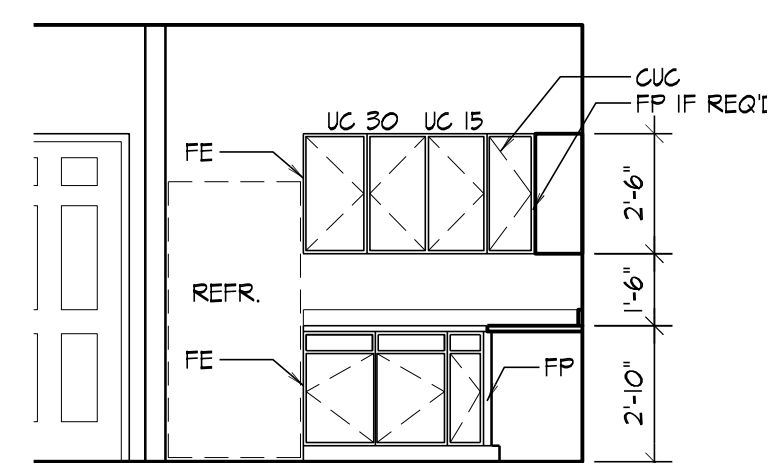
4 4 BED - ACCESSIBLE - BATH
1/4" = 1'-0"



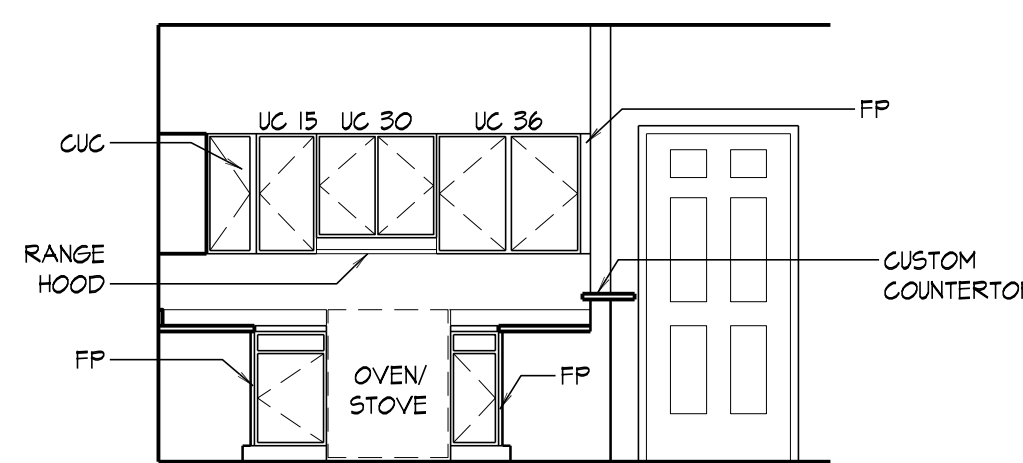
5 2 BED - VANITY
1/4" = 1'-0"



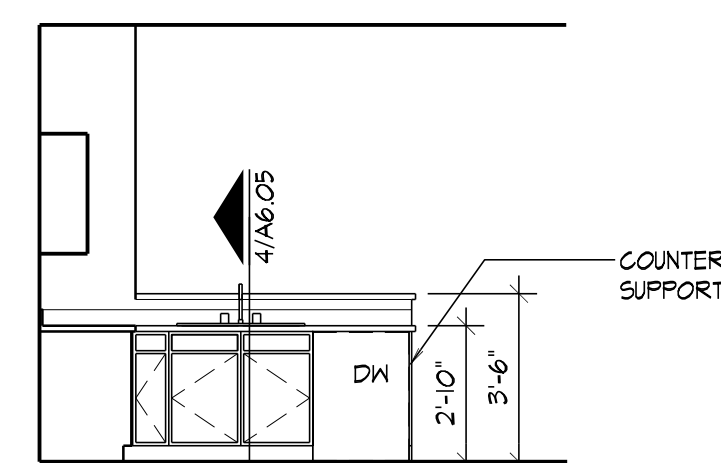
6 2 BED - BATH
1/4" = 1'-0"



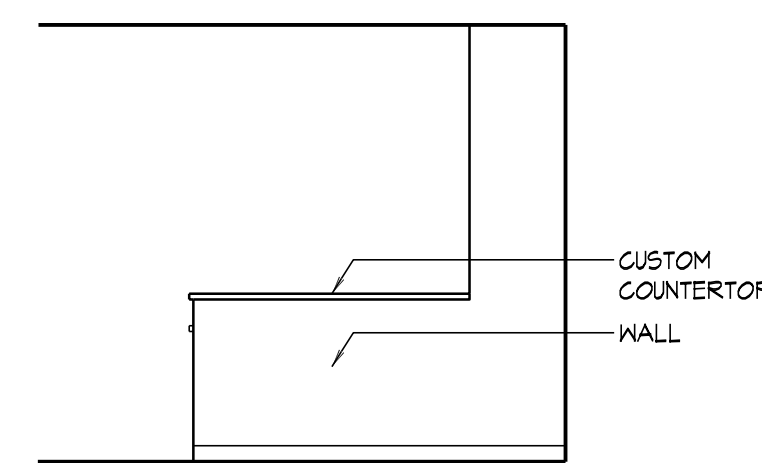
a.



b.

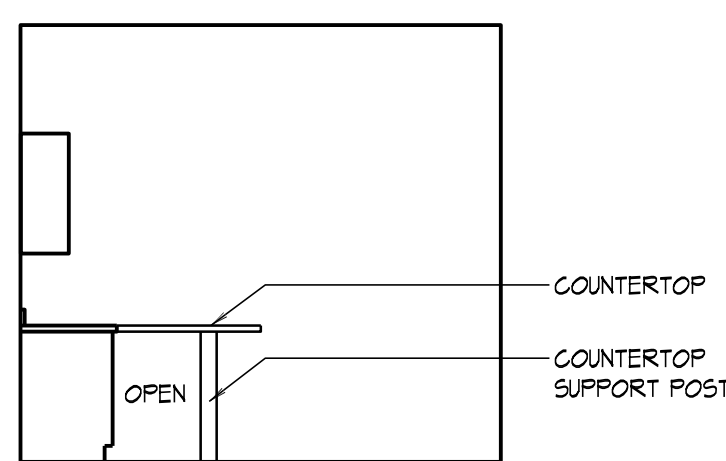


c.

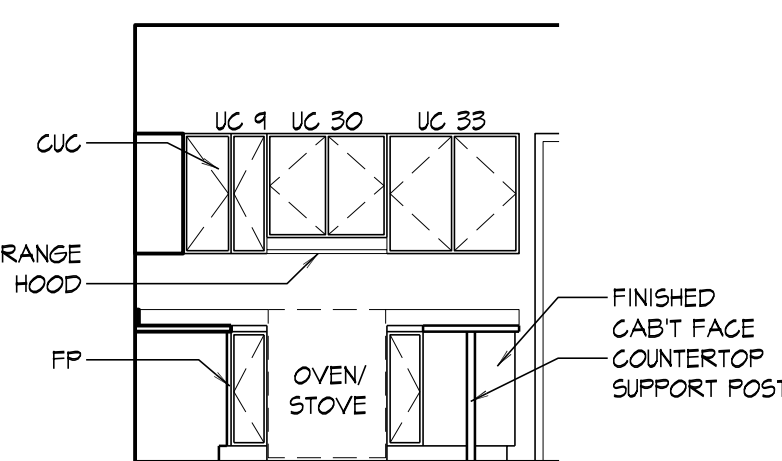


d.

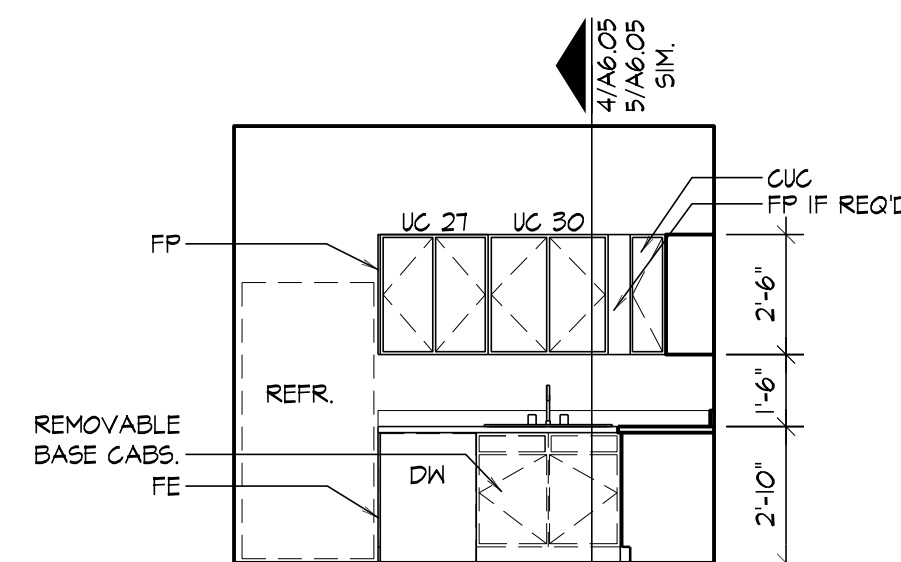
7 4 BED - ACCESSIBLE - KITCHEN
1/4" = 1'-0"



a.



b.

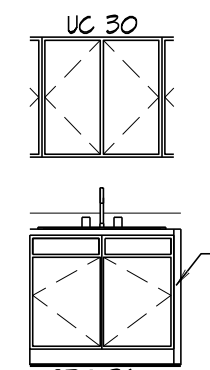


c.

8 2 BED - KITCHEN
1/4" = 1'-0"

CASEWORK LEDGING

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- 30 = CABINET'S MODULAR WIDTH IN INCHES
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- BC = BASE CABINET
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TOILET ACCESSORY SCHEDULE

NOTE	ACCESSORY
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F	Plumbing Guard, Brocar Trap-Wrap
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SCHEDULES BASED ON BOBRICK CO.

FLOOR FINISH LEGEND:

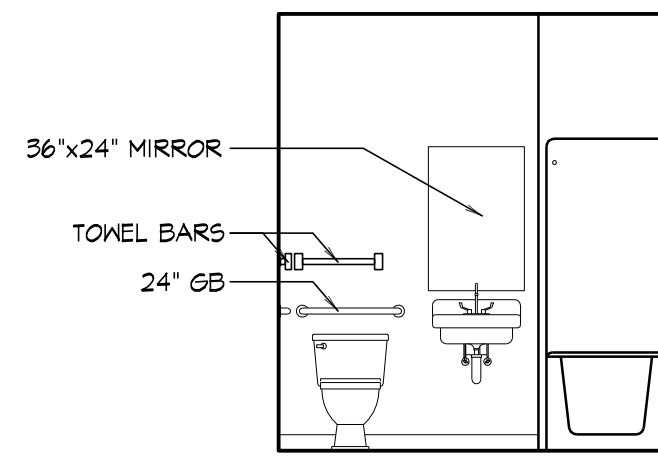
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ACCESSIBLE UNIT TYPE 'A' REQUIREMENTS:

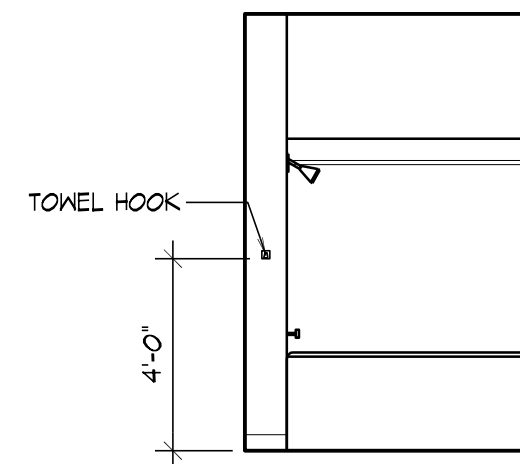
1. PROVIDE REMOVABLE BASE CABINETRY, FINISH FLOORING SHALL EXTEND UNDER REMOVABLE CABINET TO BACK WALL. (ANSI 1002.12.3) ex.)
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5. ALL REQUIRED ACCESSIBLE CLEARANCES ARE ILLUSTRATED ON PLANS.

ACCESSIBLE UNIT TYPE 'B' REQUIREMENTS:

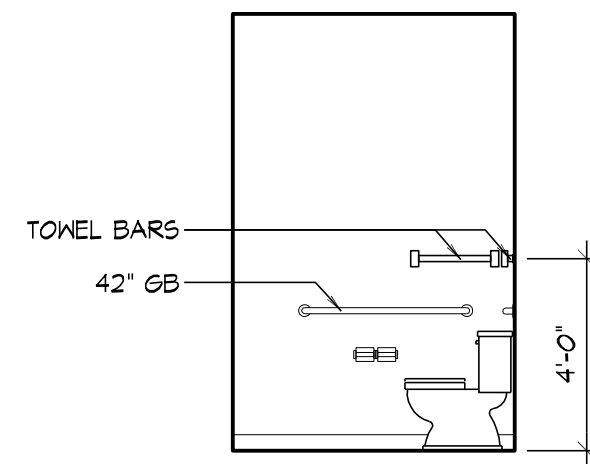
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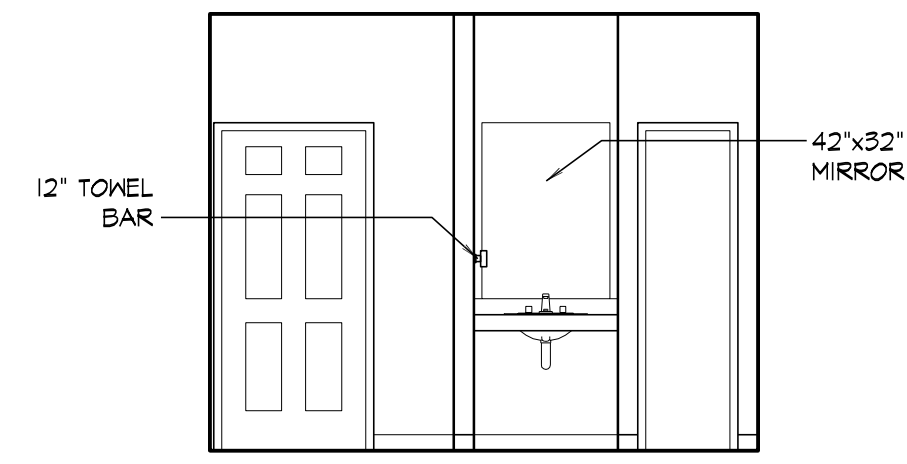
a.



b.

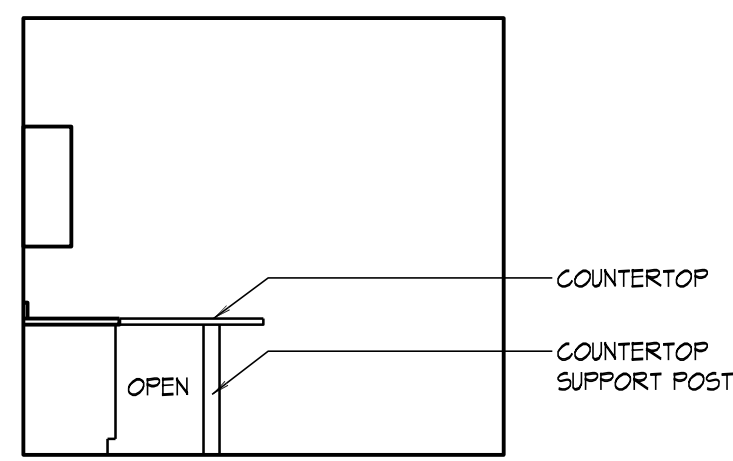


c.

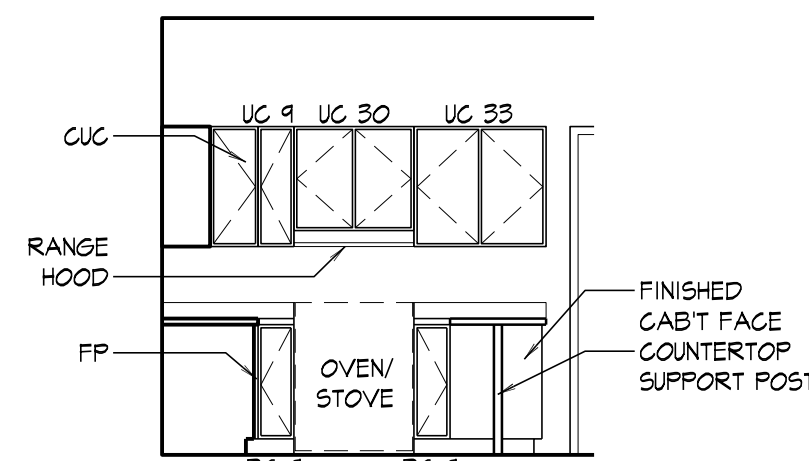


2 2 BED - TYPE A&B - VANITY
1/4" = 1'-0"

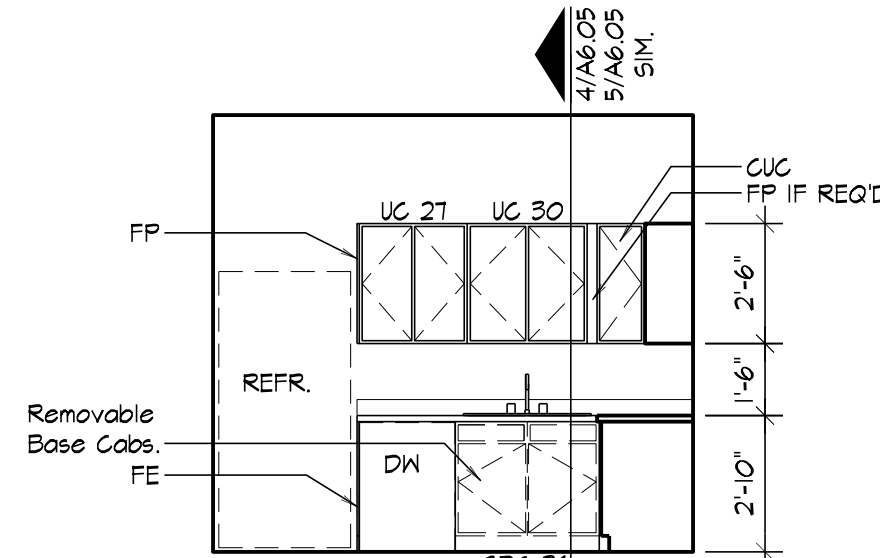
1 2 BED - TYPE A&B - BATH
1/4" = 1'-0"



a.



b.

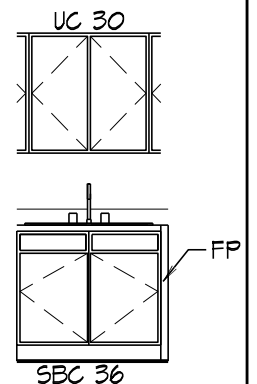


c.

3 2 BED - TYPE A&B - KITCHEN
1/4" = 1'-0"

CASEWORK LEDGEND

- UC = UPPER CABINET
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2. SINK BOWL DEPTH SHALL NOT EXCEED 6 1/2". DOUBLE COMPARTMENT SINK IN KITCHEN SHALL HAVE AT LEAST ONE COMPARTMENT COMPLYING WITH THIS REQUIREMENT. (ANSI 1002.12.4.3)
3. DRAIN PIPE UNDER SINK TO BE INSULATED TO PROTECT AGAINST CONTACT (REF: TOILET ACCESSORY ITEM J) (ANSI 1002.12.4.5)
4. ALL KITCHEN APPLIANCES SHALL COMPLY WITH ACCESSIBLE REQUIREMENTS. (ANSI 1002.12.6)
 - a. DISHWASHER SHALL FIT UNDER 34" COUNTERTOP.
 - b. OVEN/RANGE SHALL HAVE CONTROLS ON FRONT PANELS ADJACENT TO OVEN DOOR.
 - c. REFRIDGERATOR/FREEZER SHALL HAVE AT LEAST 50% OF FREEZER SPACE, 54" MAX. ABOVE FLOOR.
 - d. RANGE HOOD SHALL HAVE OPERATING CONTROLS MOUNTED NO MORE THAN 48" ABOVE THE FLOOR AND WITHIN REQUIRED REACH LIMITS PER ANSI 308.3.
5. ALL REQUIRED ACCESSIBLE CLEARANCES ARE ILLUSTRATED ON PLANS.

ACCESSIBLE UNIT TYPE 'B' REQUIREMENTS:

1. PROVIDE REMOVABLE BASE CABINERY, FINISH FLOORING SHALL EXTEND UNDER REMOVABLE CABINET TO BACK WALL. (ANSI 1002.12.3.1 ex.)
2. DRAIN PIPE UNDER SINK TO BE INSULATED TO PROTECT AGAINST CONTACT (REF: TOILET ACCESSORY ITEM J) (ANSI 1002.12.4.5)
3. ALL REQUIRED ACCESSIBLE CLEARANCES ARE ILLUSTRATED ON PLANS.

PROJECT TITLE

Student Apartments
Arkansas State University
Jonesboro, Arkansas

CONTENTS

INTERIOR ELEVATIONS

REVISIONS

DATE

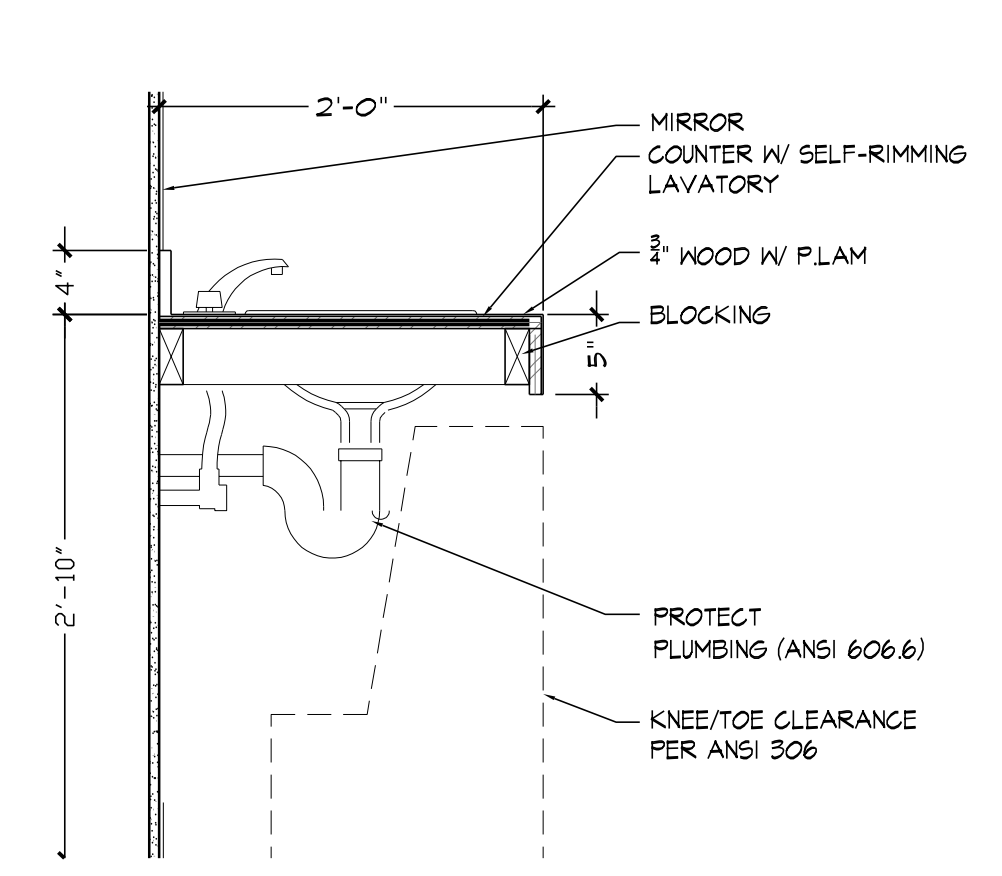
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JOB #

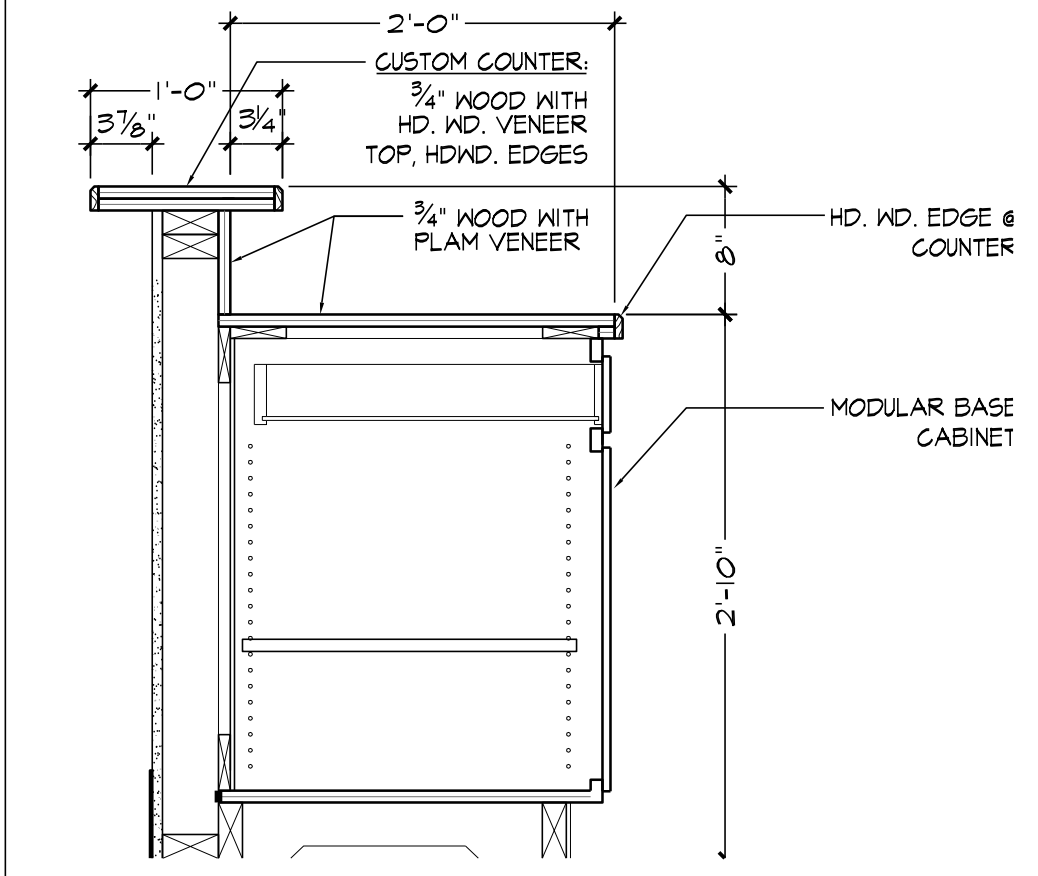
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SHEET

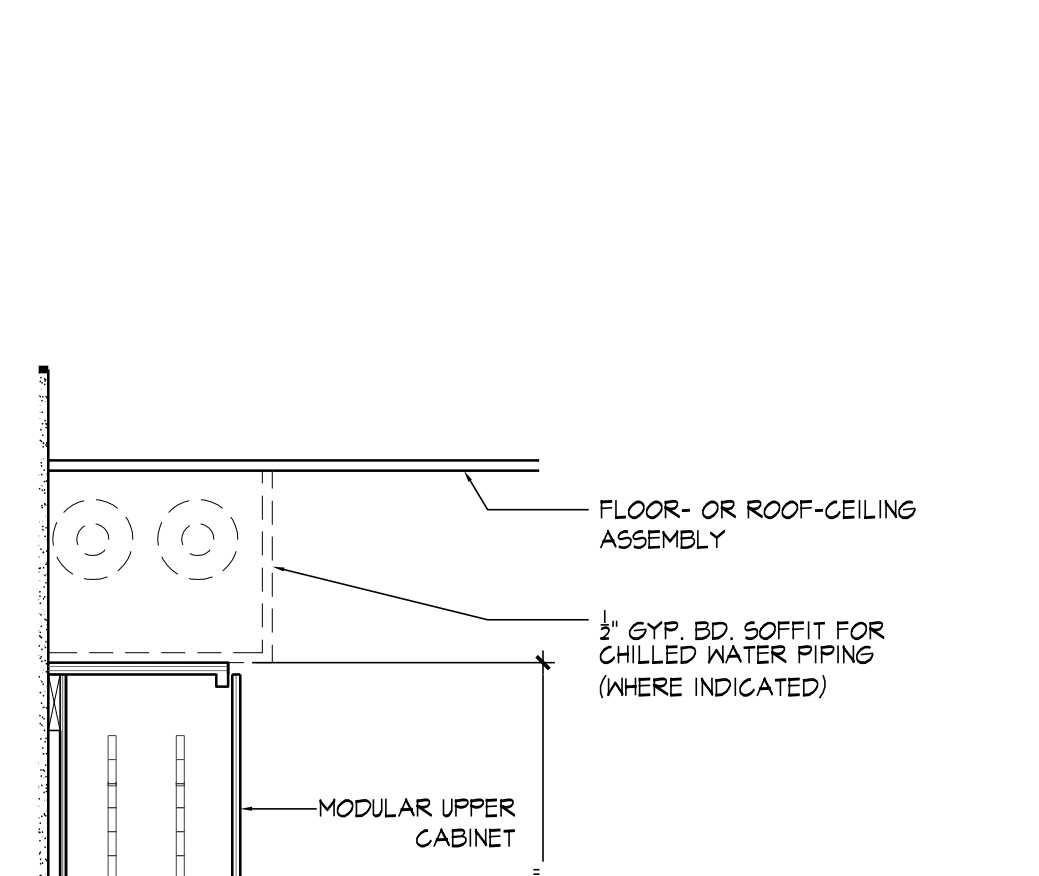
A6.04



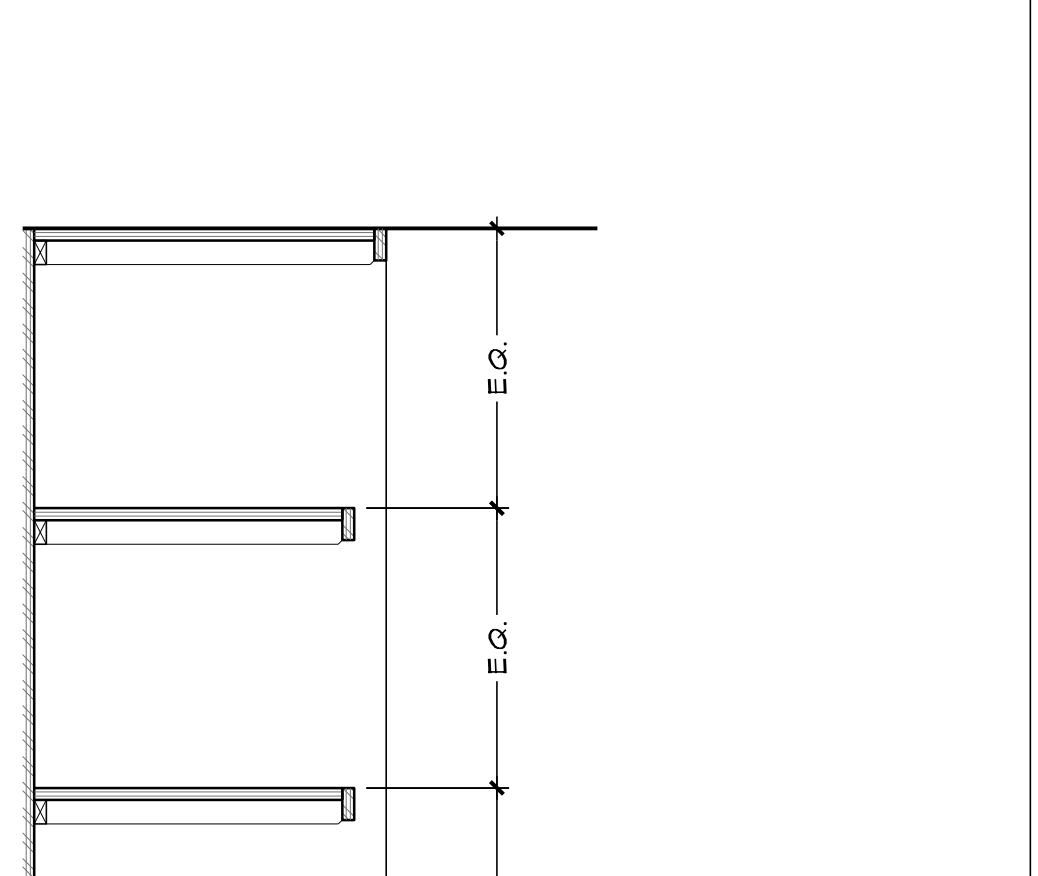
1 TYP. LAVATORY
1" = 1'-0"



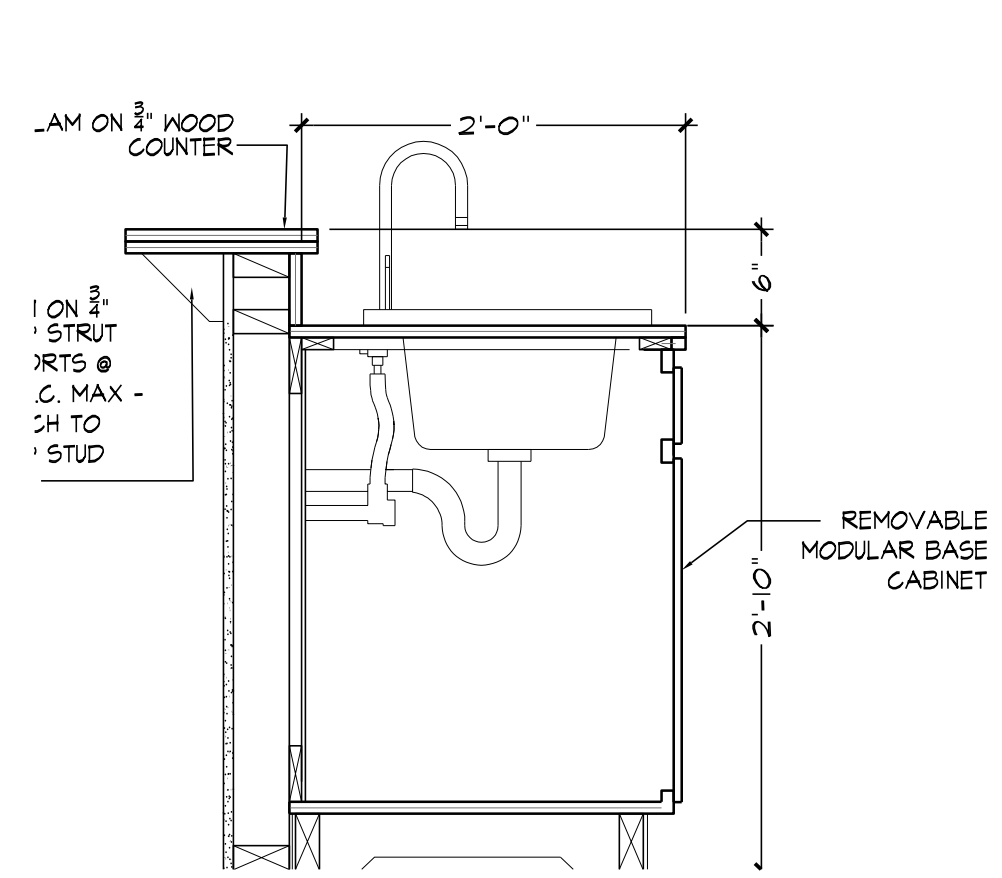
2 COMMONS KITCHEN COUNTERTOP
1" = 1'-0"



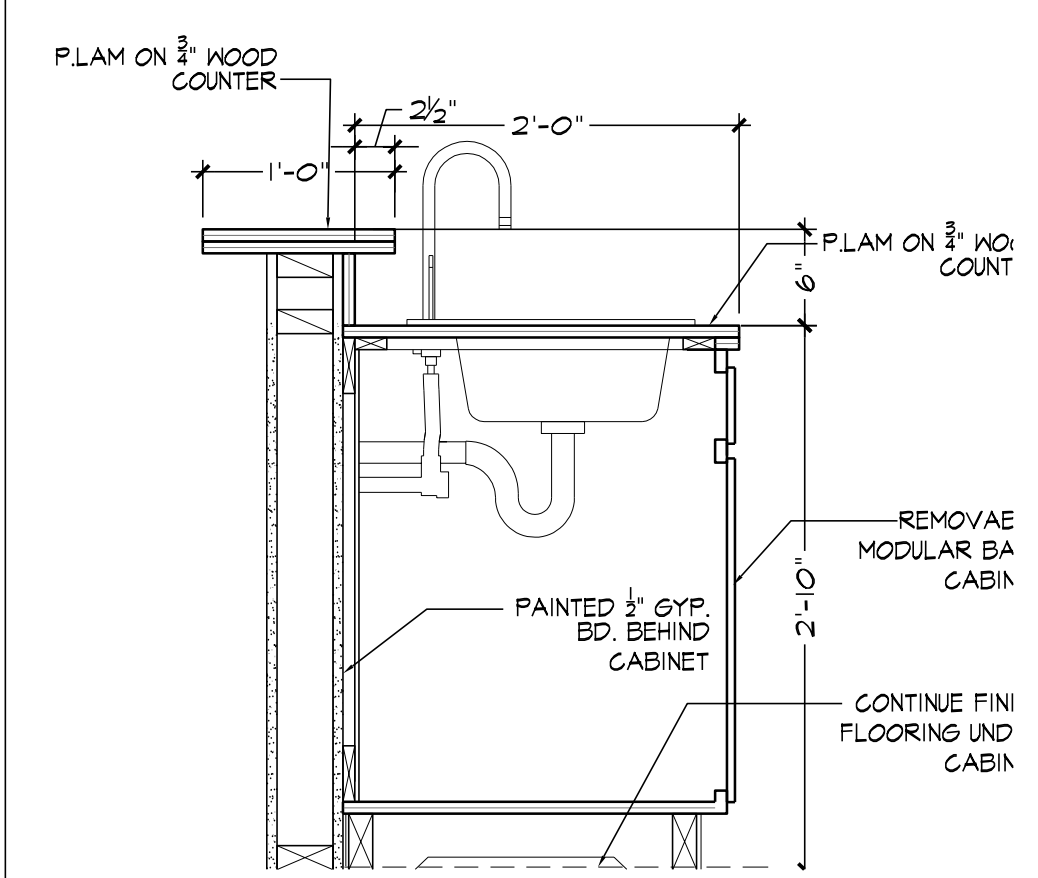
5 TYP. KITCHEN CABINETS
1" = 1'-0"



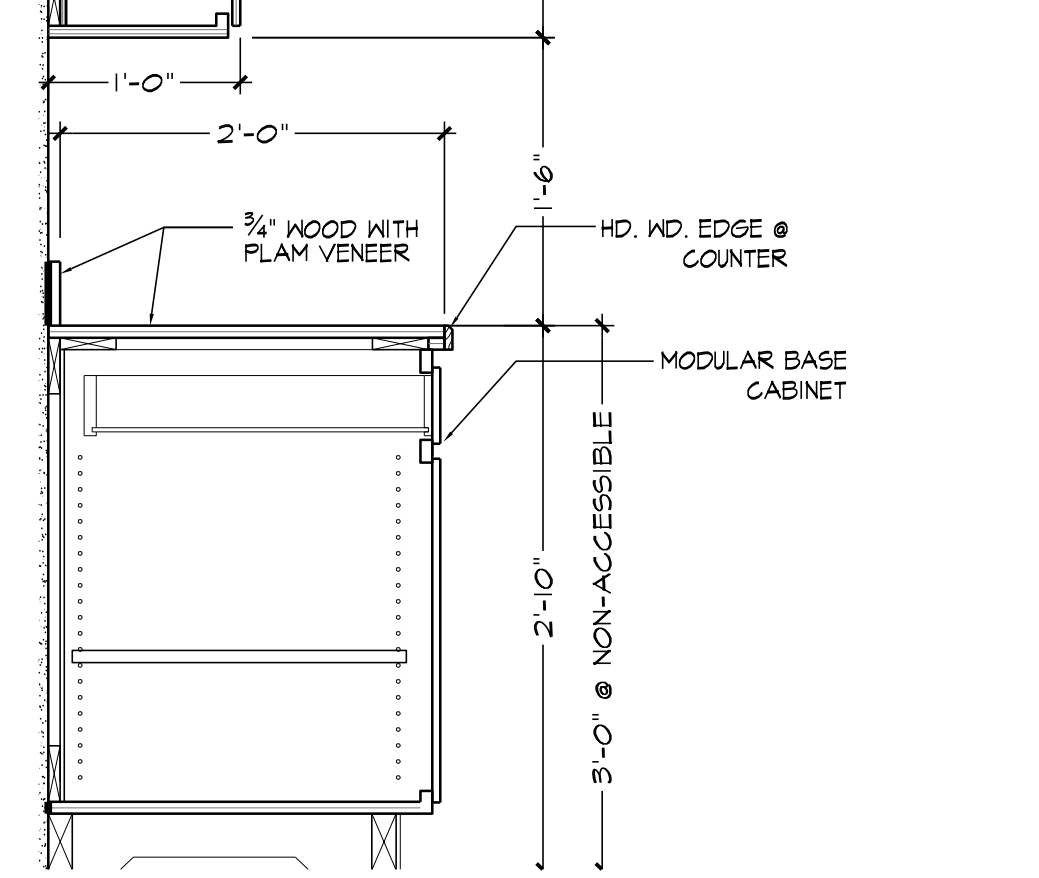
6 TYP. VANITY SHELVEING
1" = 1'-0"



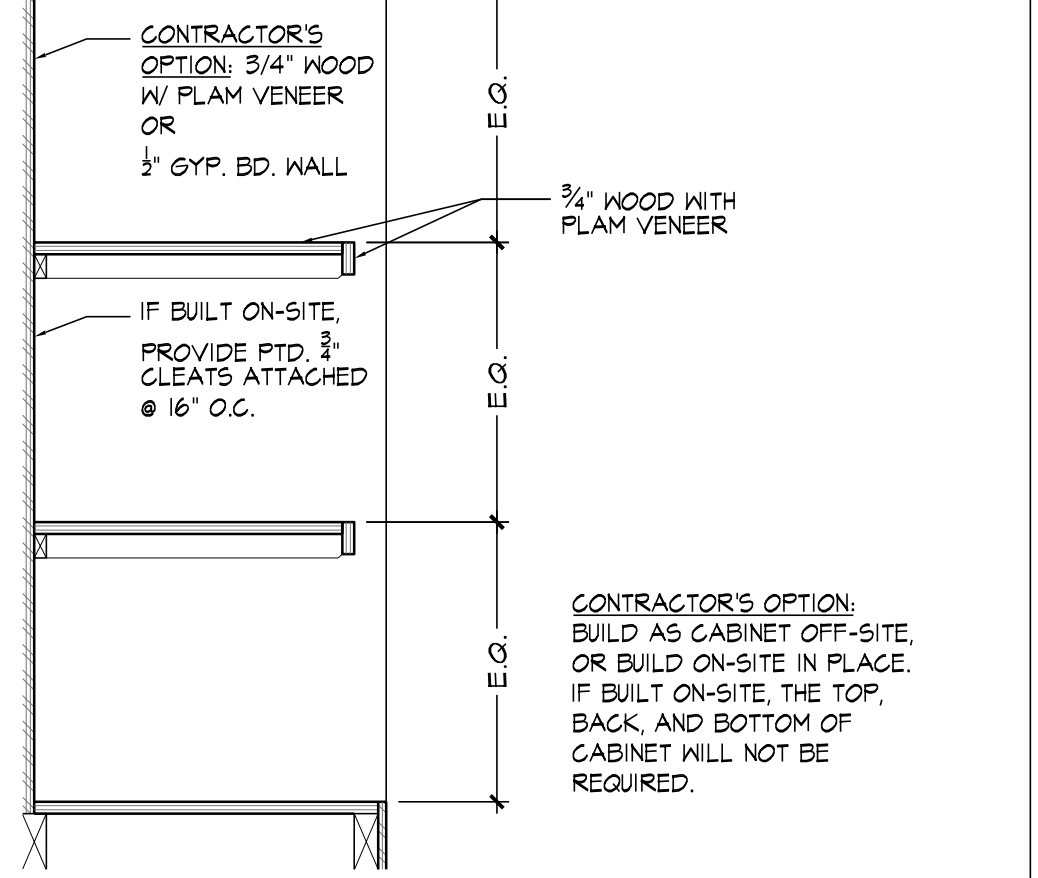
3 TYP. NON-ACCESSIBLE SINK
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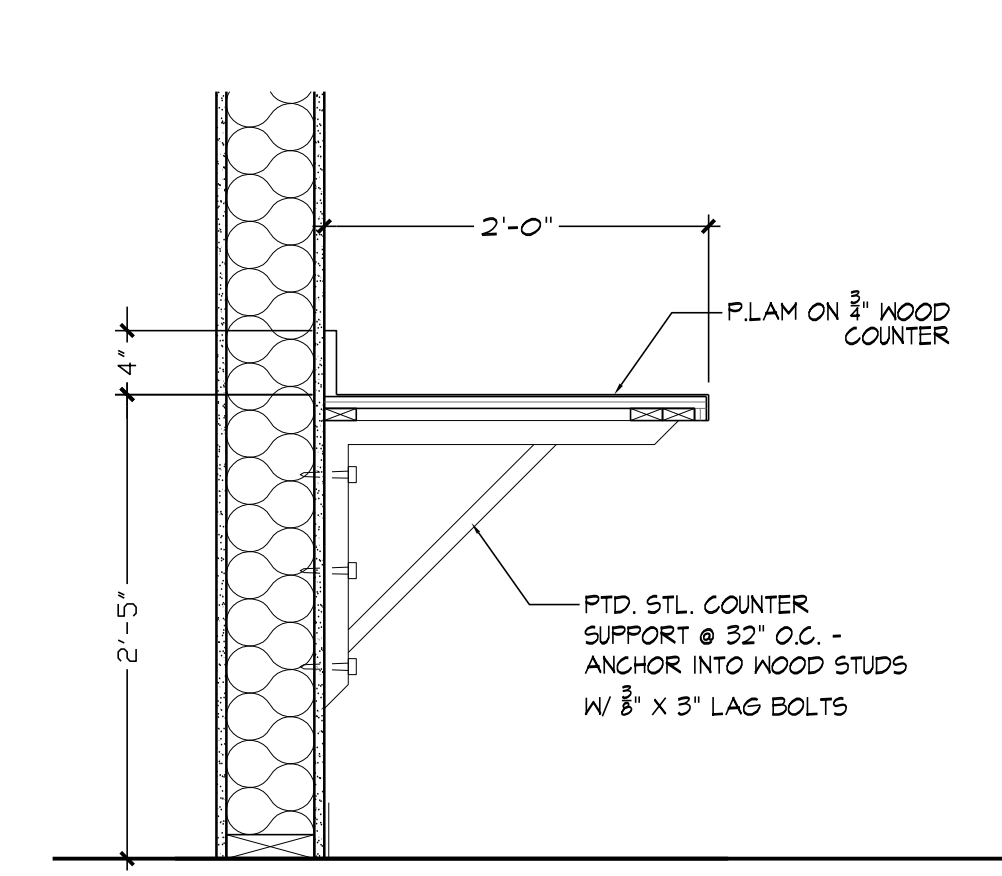
4 TYP. ACCESSIBLE SINK
1" = 1'-0"



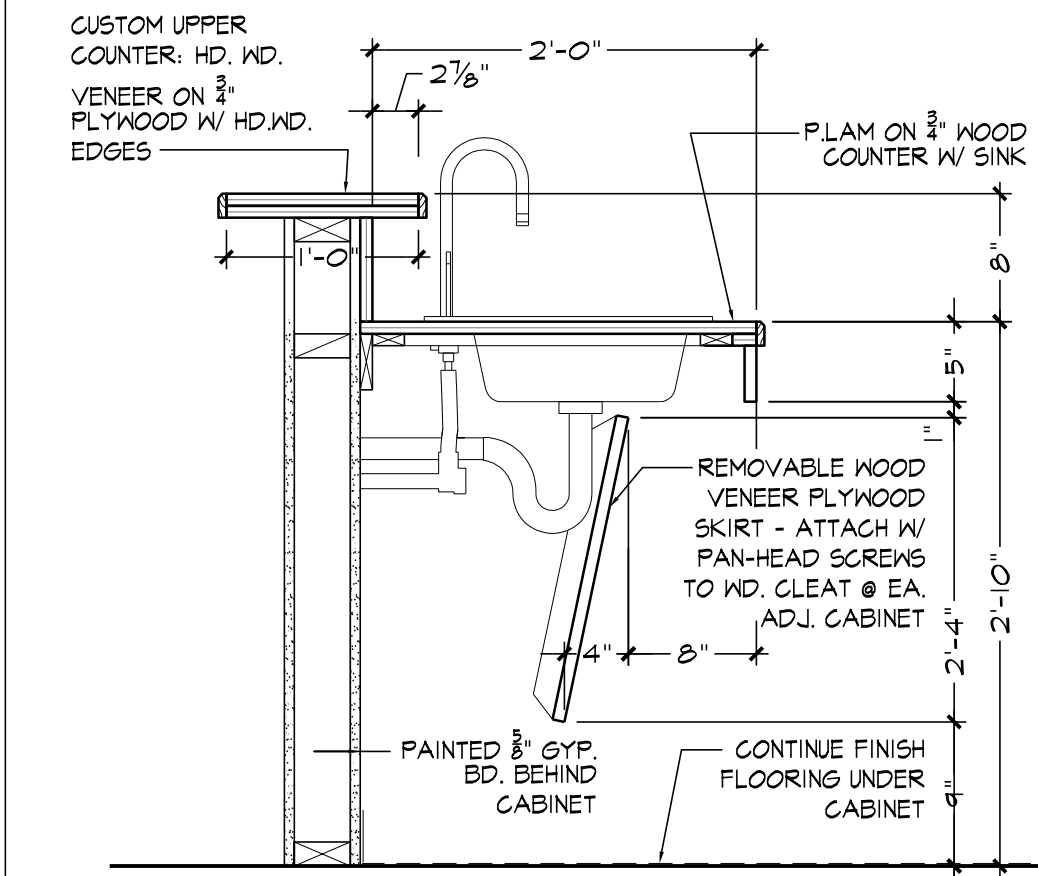
5 TYP. KITCHEN CABINETS
1" = 1'-0"



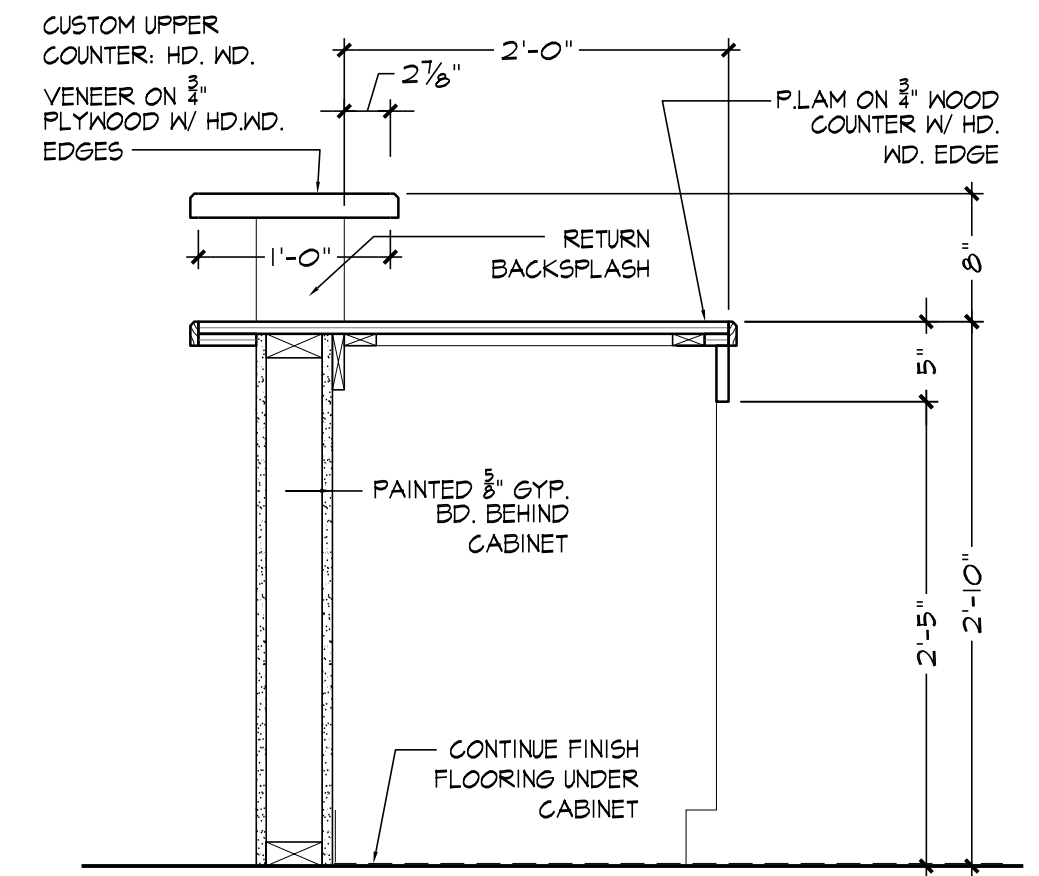
6 TYP. VANITY SHELVEING
1" = 1'-0"



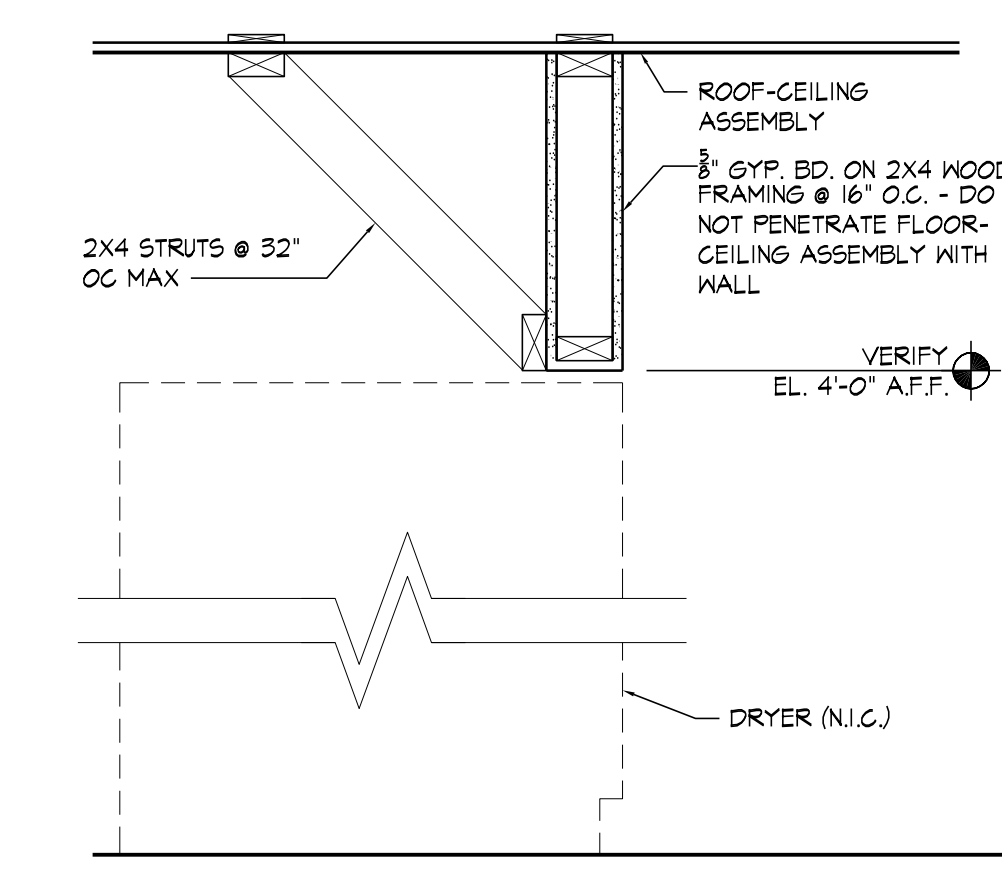
7 COMMONS WORK COUNTER
1" = 1'-0"



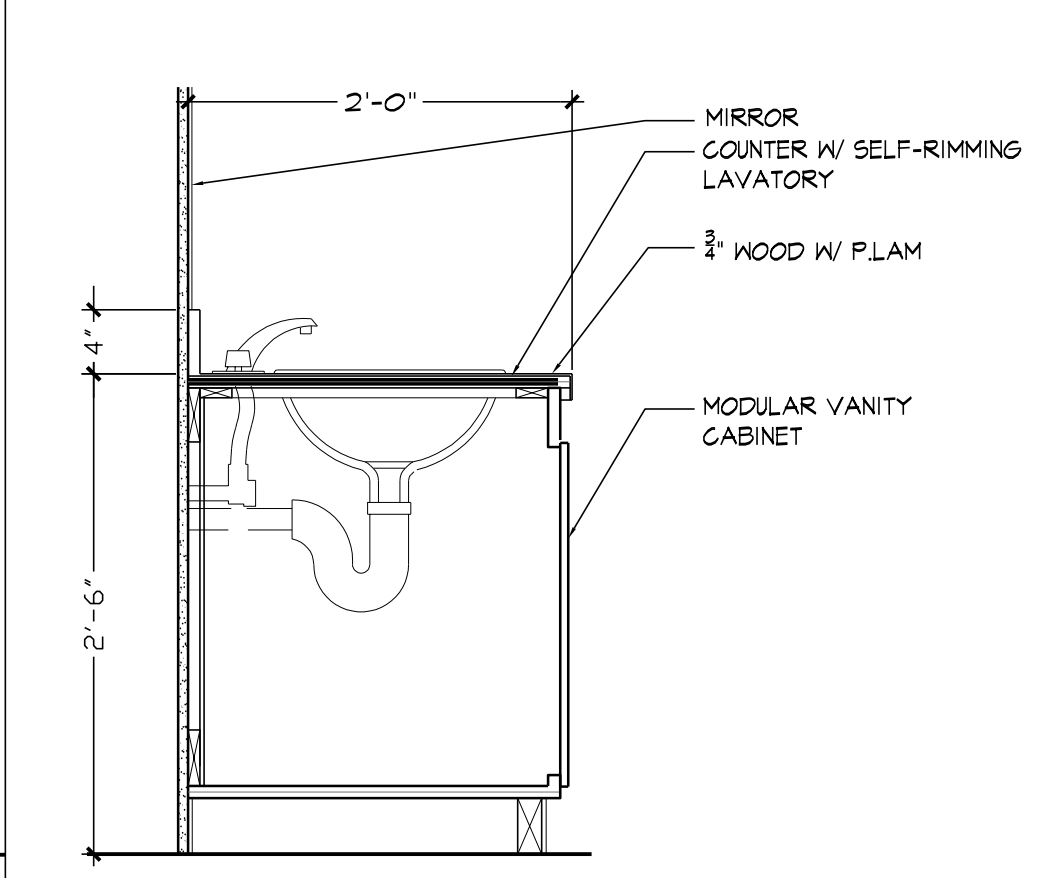
8 COMMONS KITCHEN SINK
1" = 1'-0"



9 COMMONS KITCHEN ACCESSIBLE COUNTER
1" = 1'-0"



10 COMMONS DRYER HEADER
1" = 1'-0"



11 TYP. VANITY BASE CABINET
1" = 1'-0"

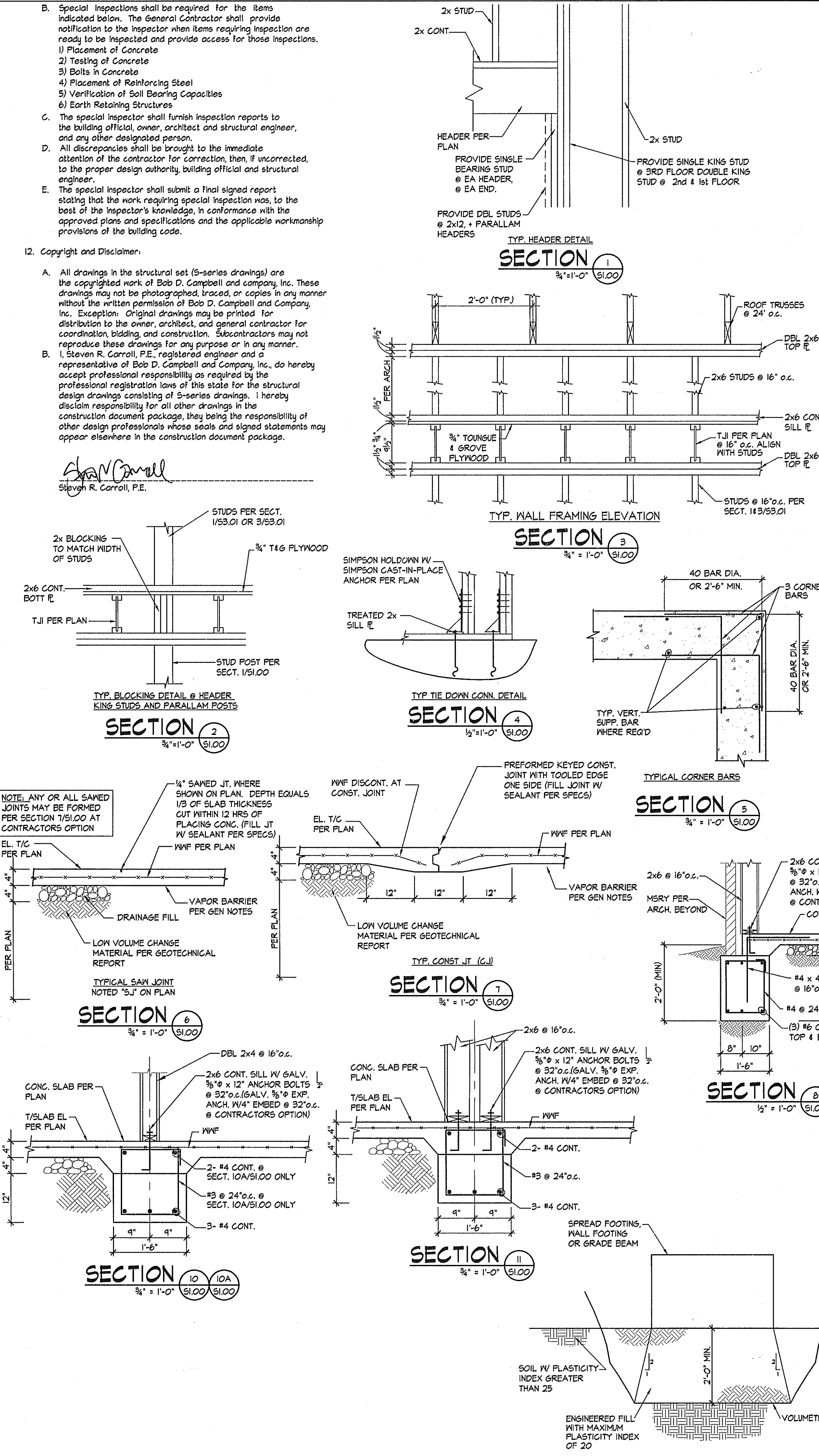
GENERAL NOTES - STRUCTURAL

- The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
- The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. All conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
- All design and construction work for this project shall conform to the requirements of the 2003 International Building Code, as amended by the City of Jonesboro, Arkansas.
- These drawings are for this specific project and no other use is authorized.
- Structural Design Load Criteria:
 - Roof = 30 psf.
 - Lateral Loads:
 - Wind V = 40 mph, exposure B, I=1.0
 - Seismic = Sa = 1.536, S_v = 0.60, I=1.0 Site Classification D, Seismic Design Category D
- This project is designed to resist the most critical effects resulting from the load combinations of section 1603.3 of the 2003 International Building Code.
- Concrete:
 - All concrete except exterior flat work shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.
 - Concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
 - Lightweight (LTM) concrete shall develop a minimum compressive design strength of 3500 psi in 28 days with 5% maximum aggregate size and a maximum unit weight of 115 pcf.
 - The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
 - The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.
 - All interior concrete slabs on grade shall be placed over 15 mil Stego Vapor Barrier (or approved equal). All joints shall be lapped and sealed per manufacturer's recommendations. All penetrations, as well as damaged vapor barrier material shall also be sealed per manufacturer's recommendation prior to concrete placement. The vapor barrier shall be placed over free-draining granular material as prescribed by the project soils report.
 - All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.
 - Control joints in dirt formed slabs to be as shown on plans. Where not shown, limit controlled areas to not more than 225 square feet, or 15 feet on any side.
 - Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
 - Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer.
 - No aluminum items shall be embedded in any concrete.
- Reinforcing Steel:
 - All reinforcing steel shall conform to the requirements of ASTM A615 or A106 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A185.
 - Clear minimum coverage of concrete over reinforcing steel shall be as follows:

Concrete placed against earth	3"
Formed concrete against earth	2"
Slabs	1"
Beams or Columns	1-1/2"
Other	2"
 - All coverage shall be nominal bar diameter minimum.
 - All details shall be the same size and spacing as adjoining main bars (splice top 40 bar diameters or 24" minimum unless noted otherwise).
 - At corners of all walls, beams, and grade beams supply corner bars (minimum 2'-0" in each direction or 40 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars.
 - Bars marked continuous and all vertical steel shall be lapped 40 bar diameters (12'-0" minimum) at splices and embeddings, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
 - At all holes in concrete walls and slabs, add 2 - #5 bars (opening dimension plus 80 diameters long) at each of four sides and add 2 - #5 x 5'-0" diagonally at each of four corners of hole. Openings in 8" thick walls are reinforced similar, but with 1 - #5 instead of 2 - #5.
 - Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.
 - All slabs and slabs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with #4 bars at 12" on center each way minimum. Porches shall be dovetailed to adjacent walls or grade beams with #4 bars at 12" on center, hooked or embedded 40 diameters into both members. Slope porches 1/8" per foot for drainage unless noted otherwise.
 - Allow 10# of reinforcing bars #4 or larger to be used as directed in the field for special conditions (labor for placing same to be included).
- Foundations:
 - The soil investigation was prepared by Grubbs, Hoskyn, Barton & Nyatt, Inc. the report number is 07-297 and the telephone number is (501) 455-2536.
 - Spread footings, grade beams, and retaining walls are designed to bear on engineered fill or undisturbed soil capable of safely sustaining 2500 psf.
 - Retaining structures are designed for a lateral load of 45 pcf equivalent fluid pressure.
 - Contractor shall provide for dewatering at excavations from either surface water or seepage.

- All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete. This inspection shall be at the owner's expense.
- All concrete in the structural portion retaining the backfill shall have attained its design strength prior to being backfilled.
- Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions, recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.
- Timber and Wood Framing:
 - Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the 2003 International Building Code.
 - Joists, studs, and truss members shall conform to Group 1 (Douglas Fir or Southern Pine) visually graded lumber, with an allowable fiber stress in bending of 1050 psi minimum and an elastic modulus of 1,500,000 psi.
 - Bridging of stud bearing walls and shear walls shall be solid, matching sheathing joints.
 - Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps. Spacing, in any case, shall not exceed 8'-0".
 - Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.4.1 of the 2003 International Building Code. Floor sheathing shall be APA rated tongue and groove SJI-1-Floor, exposure 1, glued and nailed with 8d ring shank nails or #10 screws at 12" on center to all supports. Sheathing of shear walls or roof diaphragms shall be edge nailed with 8d common nails at 6" on center and nailed to intermediate framing and/or blocking members with 8d common nails at 12" on center unless otherwise noted on the drawings.
 - Sill plates shall be bolted to concrete walls or steel beams with 5/8" diameter bolts at 32" on center. Plates in direct contact with concrete or masonry shall be treated lumber.
 - Joist hangers shall have Uniform Building Code approval and shall be equal to Simpson Strong Tie "LUS" for wood application and "LJ" for steel wall-to-wood application.
 - Service condition - dry with moisture content at or below 14% in service.
 - Laminated veneer lumber (LVL) shall have an allowable flexural stress (Fb) of 2,600 psi (reduced by size factor) and an elastic modulus (E) of 1,900,000 psi.
 - Pre-engineered wood trusses shall be designed in accordance with the Truss Plate Institute's national design standard for metal-plate connected wood truss construction (ANSI/TPI-1) latest edition. Trusses shall be designed and manufactured by an authorized member of the Wood Truss Council of America (WTC/A). Truss design shall conform to specified codes, allowable stress increases, deflection limitations and other applicable criteria of the governing code.
 - Shop drawings showing complete erection and fabrication details and calculations (including connections) shall be submitted to the project architect/engineer for review prior to fabrication and/or erection. Such drawings shall bear the seal of a professional engineer, registered in the state of the project location. Shop drawings shall also be submitted to the local government controlling agency when requested by that agency.
 - All trusses shall be securely braced both during erection and permanently, as indicated on the approved truss design drawings and in accordance with TPI's commentary and recommendations for handling, installing and bracing metal-plate connected wood trusses (HIB-1, booklet) and the latest edition of ANSI/TPI-1.
 - The truss manufacturer shall supply all hardware and fasteners for joining truss members together and fastening truss members to their supports. Metal connector plates shall be manufactured by a member of the Wood Truss Council of America (WTC/A) and shall be 20 gauge minimum. Connector plates shall meet or exceed ASTM A655, grade 33, with ASTM A424 galvanized coating designation 660.
 - Shipment, handling, and erection of trusses shall be by experienced, qualified persons and shall be performed in a manner so as to ensure safe and proper erection. Apparent truss damage shall be reported to the truss manufacturer for evaluation prior to erection. Cutting or alteration of trusses is not permitted.
 - Roof Truss Design Criteria:

Top chord dead load	= 10psf
Top chord live load	= 30psf
Bottom chord dead load	= 5psf
- Shop Drawing Review:
 - Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc.
 - Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
 - Review each submittal for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
 - Review and approve each submittal.
 - Stamp each submittal as approved.
 - Bob D. Campbell and Company, Inc. shall assume that no submittal comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
 - Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall notify the GC.
 - Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.
 - Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
 - Wood truss design calculations and detailed erection and fabrication drawings. Standard stick framing shop drawings need not be submitted.
 - Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submittal has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submittals without GC approval stamp.
- Structural Special Inspection:
 - The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the 2003 International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.



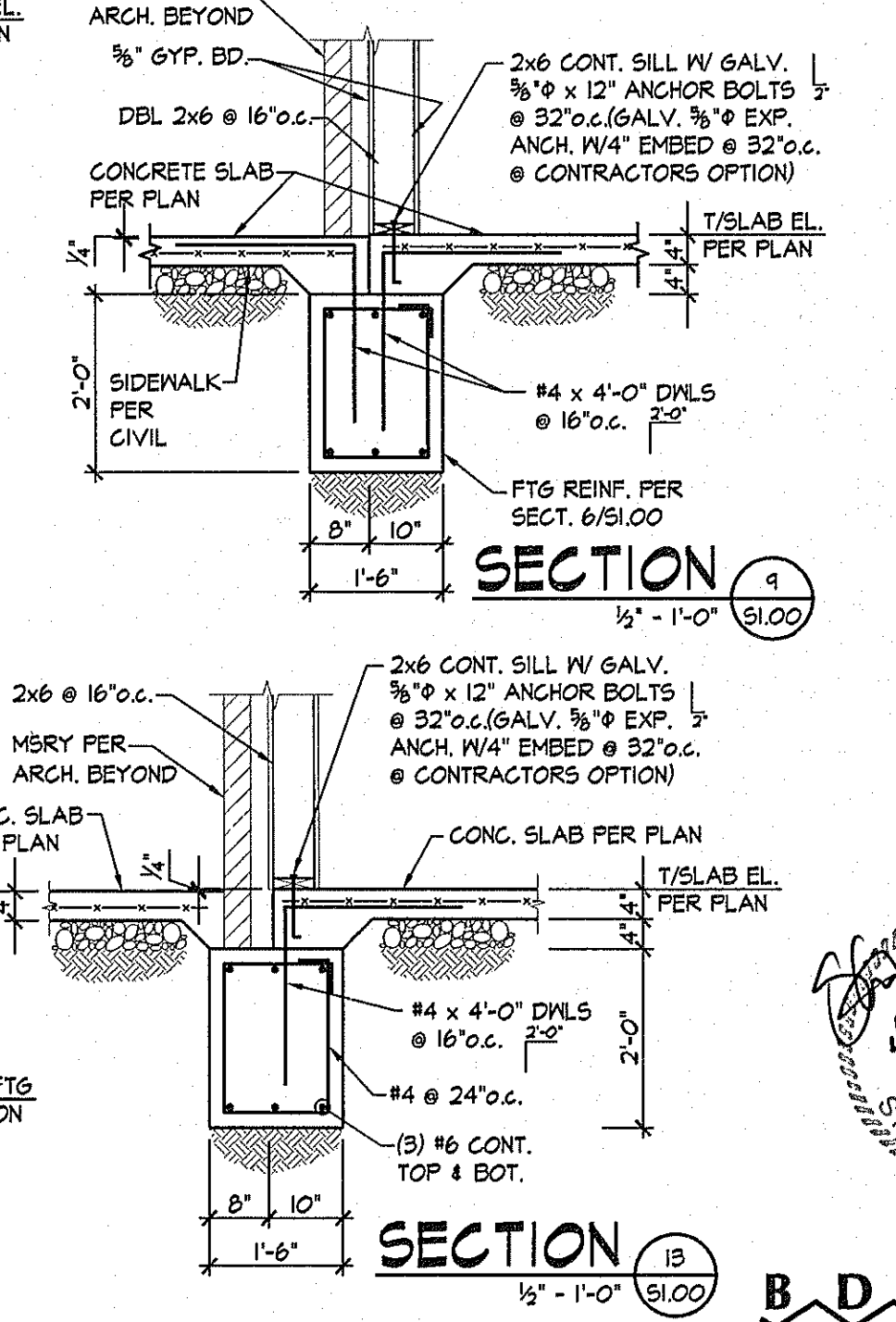
CONNECTION	ATTACHMENTS (REF NOTE #3 and #4)	QUANTITY
JOIST TO SILL OR GIRDER	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL EACH END
BRIDGING TO JOIST	2- 3" x 0.131" NAILS-TOENAIL EACH END	2-8d NAILS-TOENAIL EACH END
SOLE PLATE TO JOIST OR BLOCKING	3" x 0.131" NAILS AT 8" o.c. - TYPICAL FACE NAIL 4-3" x 0.131" NAILS AT 16" o.c. - BRACED WALL PANELS	16d BOX NAILS AT 16" o.c. MAX. FACE NAILING 3-16d BOX NAILS AT 16" o.c. BRACED WALL PANEL
TOP PLATE TO STUD	3- 3" x 0.131" NAILS-END NAIL	2-16d NAILS-END NAIL
STUD TO SOLE PLATE	4- 3" x 0.131" NAILS-TOENAIL OR 3- 3" x 0.131" NAILS-END NAIL	4-8d NAILS-TOENAIL OR 2-16d NAILS-END NAIL
DOUBLE STUDS	3" x 0.131" NAILS AT 8" o.c. - FACE NAIL	16d BOX NAILS AT 24" o.c. MAX. FACE NAIL
DOUBLED TOP PLATES	3" x 0.131" NAILS AT 12" o.c. - FACE NAIL	16d BOX NAILS AT 16" o.c. MAX. FACE NAIL
DOUBLE TOP PLATE LAPS AND INTERSECTIONS	12-3" x 0.131" NAILS	8-16d NAILS
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-3" x 0.131" NAILS -TOENAIL	3-8d NAILS-TOENAIL
RIM JOIST TO TOP PLATE	3" x 0.131" NAILS AT 6" o.c. -TOENAIL	8d NAILS AT 6" o.c. MAX-TOENAIL
TOP PLATE LAPS AND INTERSECTIONS	3- 3" x 0.131" NAILS-FACE NAIL	2-16d NAILS-FACE NAIL
CONTINUOUS HEADER, TWO PIECES	3" x 0.131" NAILS AT 10" o.c. ALONG EACH EDGE	16d NAILS AT 16" o.c. MAX. ALONG EACH EDGE-TOENAIL
CONTINUOUS HEADER TO STUD	4- 3" x 0.131" NAILS-TOENAIL	4-8d NAILS-TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	4- 3" x 0.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	4- 3" x 0.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
RAFTER TO PLATE	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
1" BRACE TO EACH STUD AND PLATE	2- 3" x 0.131" NAILS-FACE NAIL	2-8d NAILS-FACE NAIL
BUILT-UP CORNER AND MULTIPLE STUDS	5" x 0.131" NAILS AT 16" o.c.	16d NAILS AT 24" o.c. MAX.
BUILT-UP GIRDER AND BEAMS	5" x 0.131" NAILS AT 24" o.c. FACE NAILED TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES	20d NAILS AT 32" o.c. MAX. TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES.
BUILT-UP LAMINATED VENEER LUMBER BEAMS	3- 3" x 0.131" NAILS AT ENDS AND EACH SPLICE	2-20d NAILS AT ENDS AND EACH SPLICE
2" FLANKING	3" x 0.131" NAILS AT EACH SUPPORT	16d NAILS AT 12" o.c. TOP AND BOTTOM ALONG EDGE

NOTES:

- ALL NAILS SHALL BE AS NOTED UNLESS OTHERWISE SPECIFIED ON STRUCTURAL DRAWINGS OR ALTERNATE PROVIDED BY ENGINEER IN WRITING.
- CONDITIONS NOT SPECIFIED SHALL BE IN ACCORDANCE WITH CURRENT INTERNATIONAL BUILDING CODE.
- NAILING DESIGNATION:
4 - 3" x 0.131" NAILS
DIAMETER IN INCHES
NAIL LENGTH
QUANTITY
- ALL NAILS NOTED AS 8d, 10d, 16d, ETC. SHALL BE COMMON NAILS UNLESS NOTED BOX.

MARK	MATERIAL AND THICKNESS	NAIL SIZE & SPACING
SHEARWALL 1	5/8" GYP. BOARD	6d NAILS @ 7" o.c.
SHEARWALL 2	5/8" GYP. BOARD	6d NAILS @ 4" o.c.
SHEARWALL 3	5/8" GYP. BOARD W/ EDGES BLOCKED	6d NAILS @ 4" o.c.
SHEARWALL 4	15/32" PLYWOOD	10d NAILS @ 6" o.c.
SHEARWALL 5	15/32" PLYWOOD	10d NAILS @ 4" o.c.

NOTE: NAILING SHALL BE TO ALL STUDS, TOP AND BOTTOM PLATES, AND BLOCKING WHERE INDICATED.



NOTE: ARCHITECTURAL BACKGROUND SHOWN FOR REFERENCE ONLY. REFER TO ARCHITECTURAL GEOMETRIC PLANS FOR LAYOUT AND DIMENSIONS. DO NOT SCALE DRAWINGS.

B D C
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PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

GENERAL NOTES

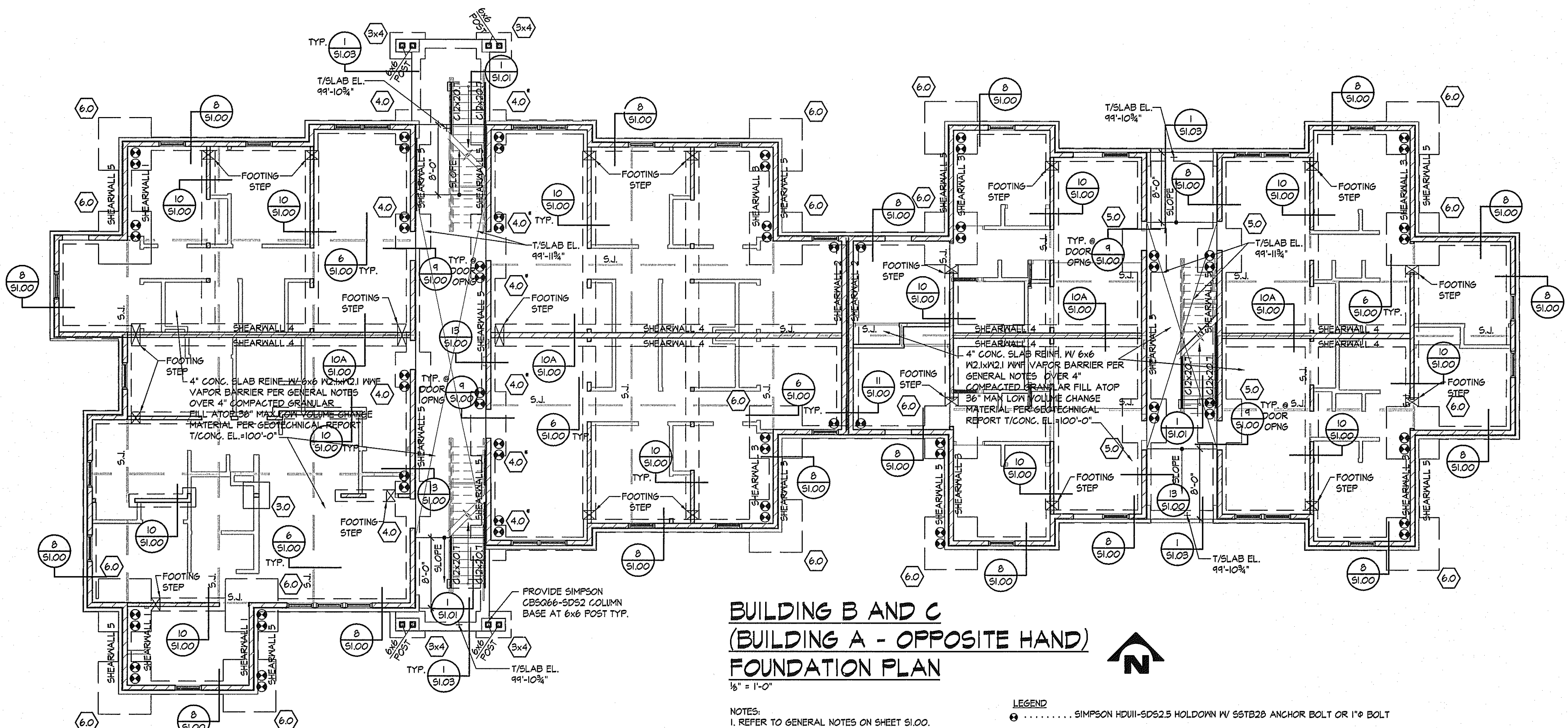
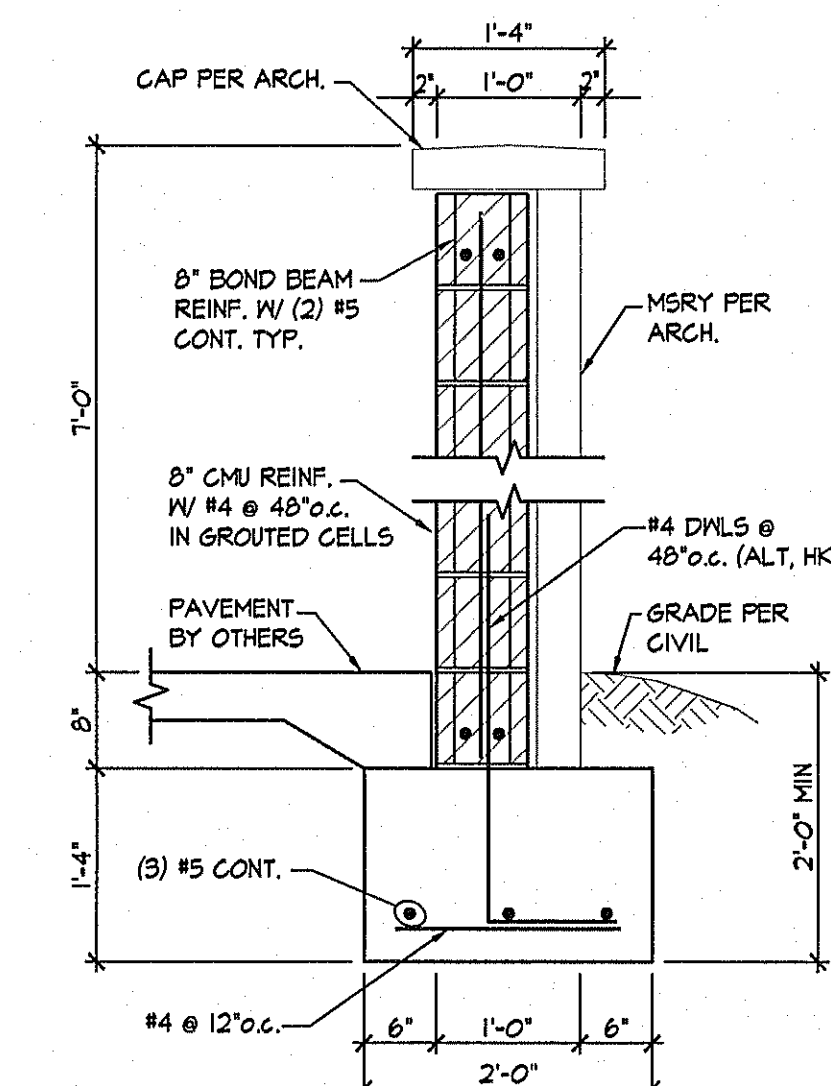
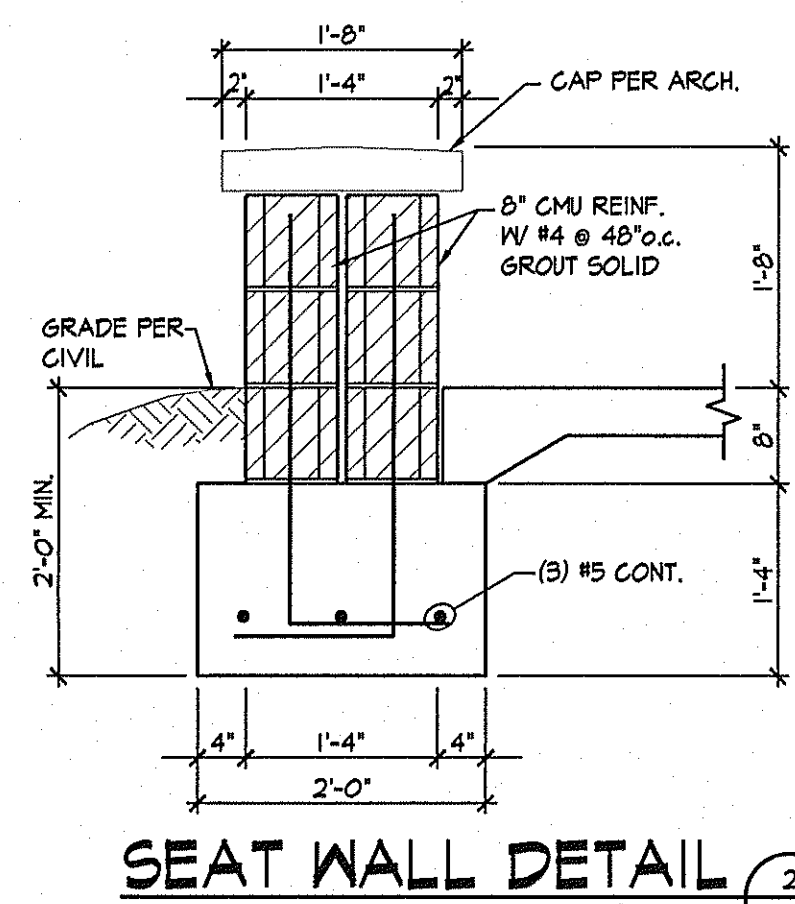
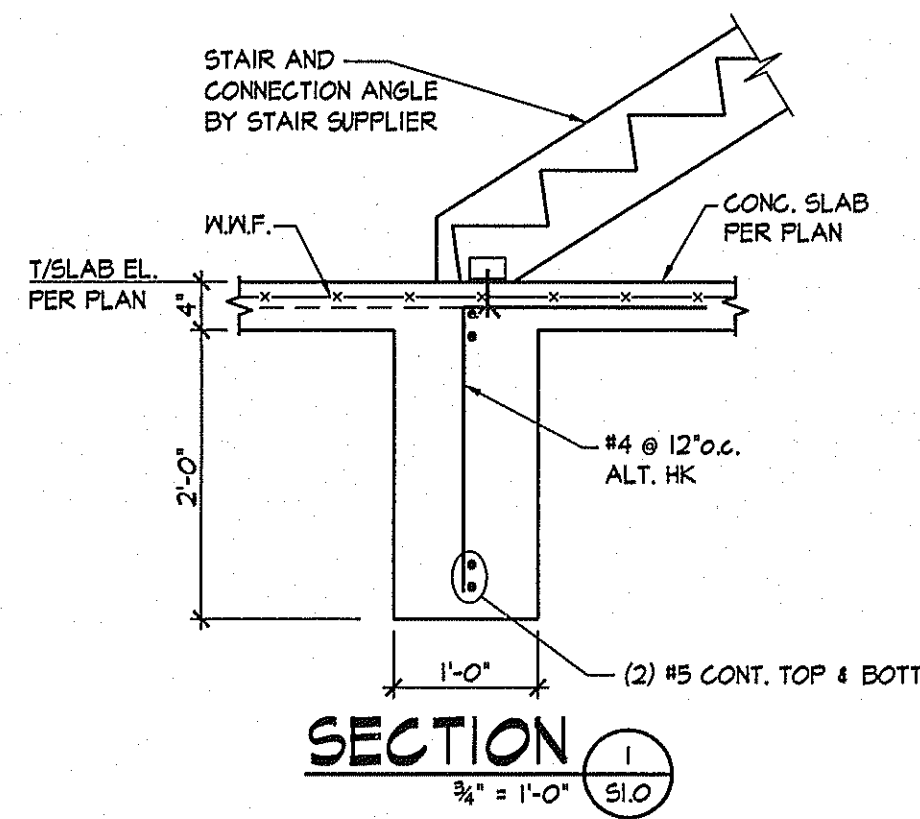
REVISIONS

DATE 4-25-08
JOB # 07-047

SHEET 51.00

CONCRETE FOOTING SCHEDULE		
SOIL PRESSURE (PSF):	CONCRETE (PSI):	REBAR (KSI):
2500	3500	60
3.0	3'-0" x 3'-0" x 12"	#4 @ 6" o.c.
3x4	3'-0" x 4'-0" x 24"	#4 @ 6" o.c.
4.0	4'-0" x 4'-0" x 24"	#4 @ 6" o.c.
4.0*	4'-0" x 4'-0" x 24"	#4 @ 6" o.c. TOP & BOT.
5.0	5'-0" x 5'-0" x 24"	#5 @ 6" o.c. TOP & BOT.
6.0	6'-0" x 6'-0" x 24"	#5 @ 6" o.c. TOP & BOT.

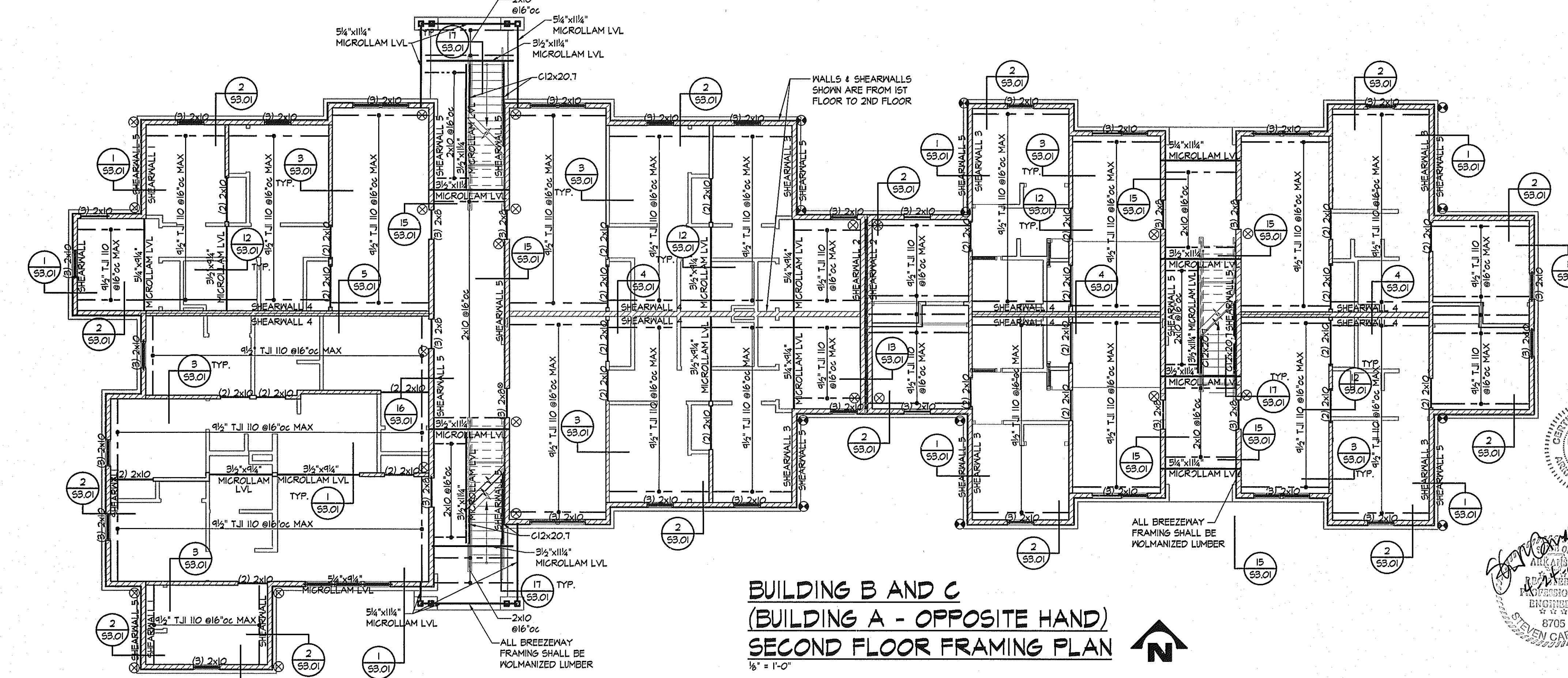
NOTE:
 1) EXTERIOR FOOTINGS OR FOOTINGS AT GRADE BEAM SHALL MATCH GRADE BEAM DEPTH AND BE PLACED WITH GRADE BEAM.
 2) CENTER FOOTINGS ON COLUMNS AND/OR WALL CENTER LINES PER PLAN, UNLESS OTHERWISE NOTED.



**BUILDING B AND C
 (BUILDING A - OPPOSITE HAND)
 FOUNDATION PLAN**
 1/8" = 1'-0"

NOTES:
 1. REFER TO GENERAL NOTES ON SHEET S1.00.
 2. REFER TO LEGEND ON SHEET S1.00.
 3. IF SOIL SUBGRADE ELEVATION HAS PLASTICITY INDEX EXCEEDING 25, UNDERCUT SUBGRADE TO VOLUMETRICALLY STABLE SOIL OR AT LEAST THREE FEET, WHICHEVER IS LESS, FILL WITH ENGINEERED FILL PER SOILS REPORT.

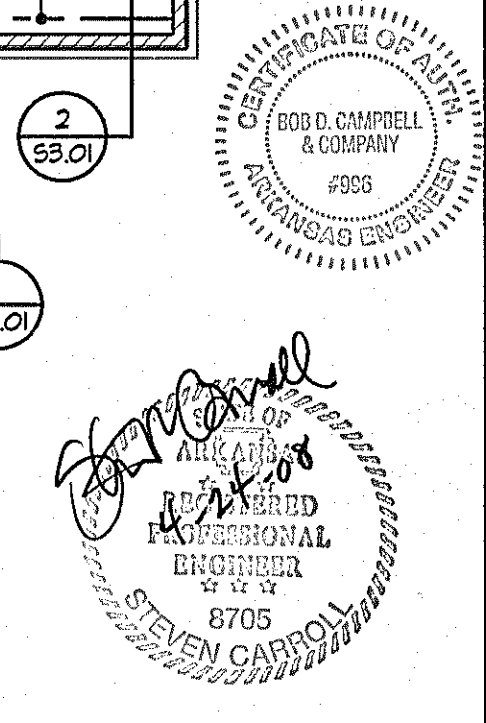
LEGEND:
 ○ SIMPSON HDU11-SD52.5 HOLDDOWN W/ 55T28 ANCHOR BOLT OR 1" Ø BOLT
 ⊗ SIMPSON HDU10-SD52.5 HOLDDOWN W/ 3/8" Ø BOLT
 ▨ LOAD BEARING WALL



**BUILDING B AND C
 (BUILDING A - OPPOSITE HAND)
 SECOND FLOOR FRAMING PLAN**
 1/8" = 1'-0"

NOTES:
 1. REFER TO GENERAL NOTES ON SHEET S1.00.

ALL BREEZEWAY FRAMING SHALL BE WOLMANIZED LUMBER



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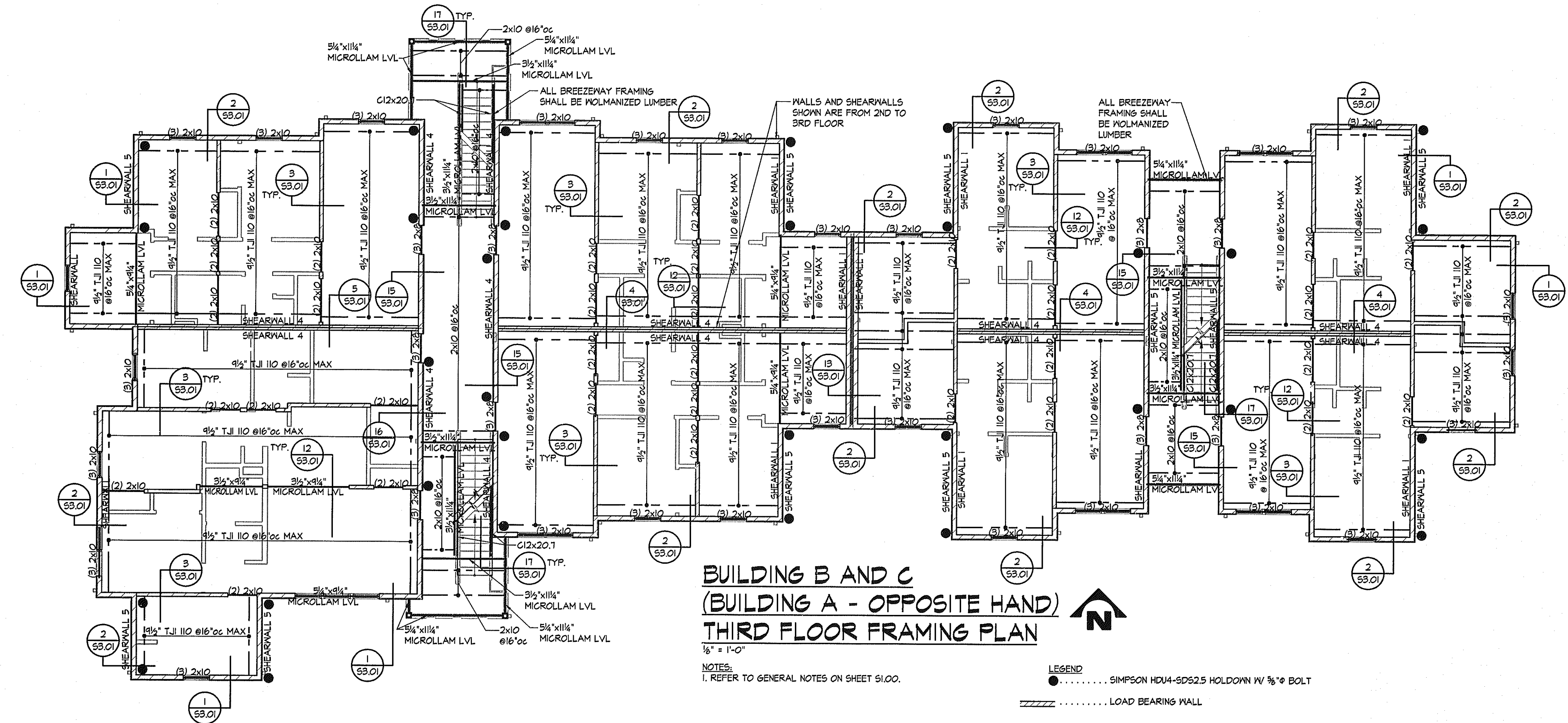
PROJECT TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

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FOUNDATION & SECOND FLOOR FRAMING PLANS

REVISIONS

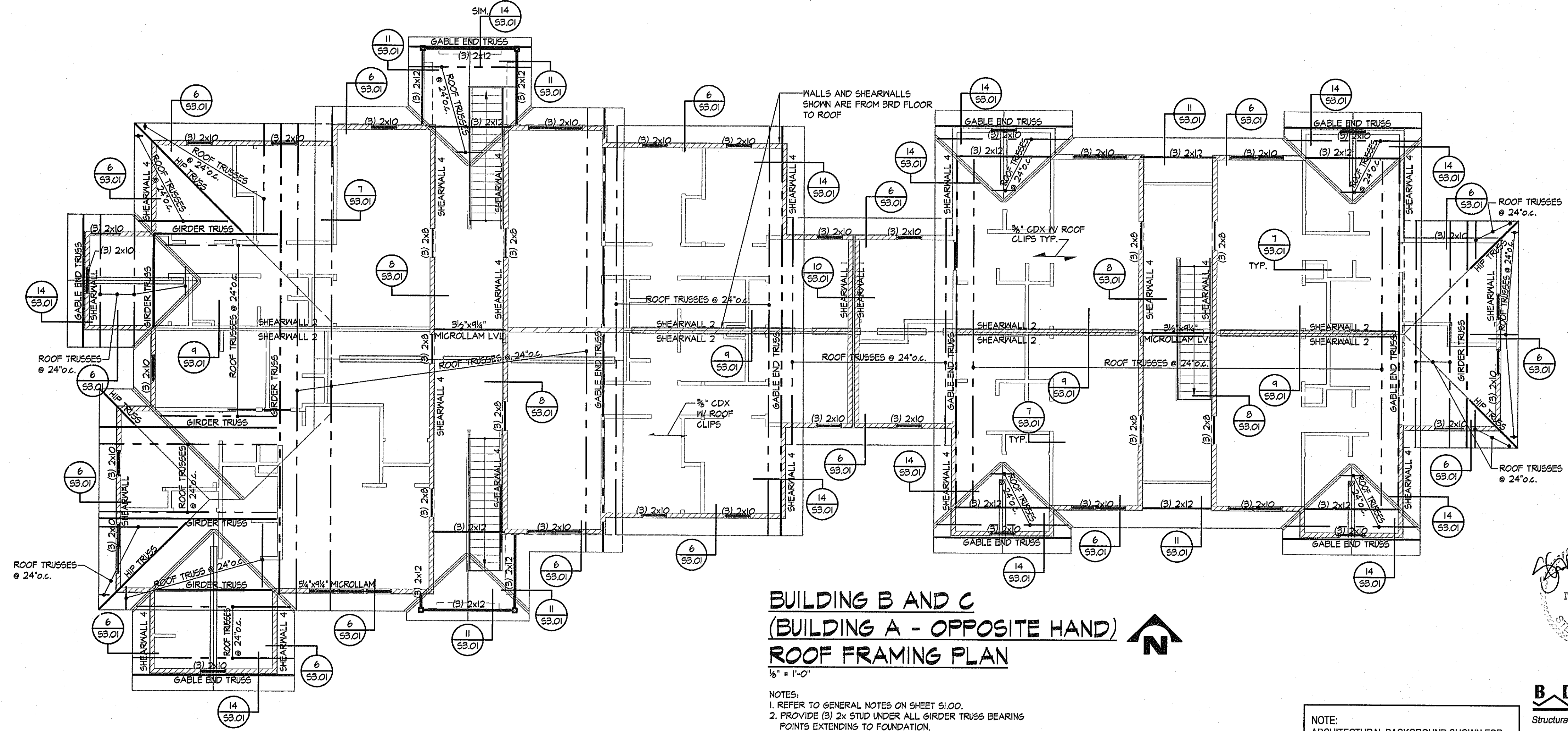
DATE: 4-25-08
 JOB #: 07-047

SHEET: 51.01



BUILDING B AND C
(BUILDING A - OPPOSITE HAND)
THIRD FLOOR FRAMING PLAN
1/8" = 1'-0"

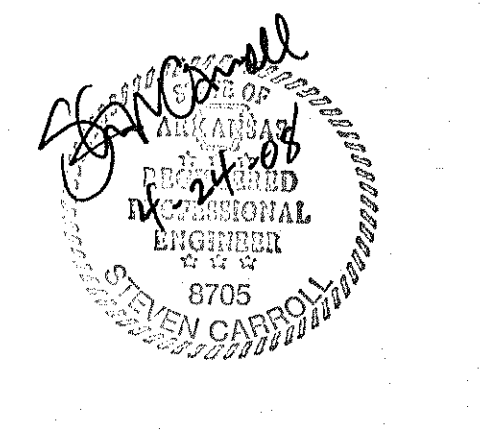
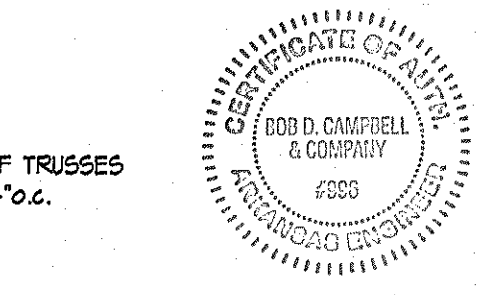
NOTES:
1. REFER TO GENERAL NOTES ON SHEET 51.00.
LEGEND
● SIMPSON HDU4-SDS2.5 HOLDOWN W/ 3/8" BOLT
----- LOAD BEARING WALL



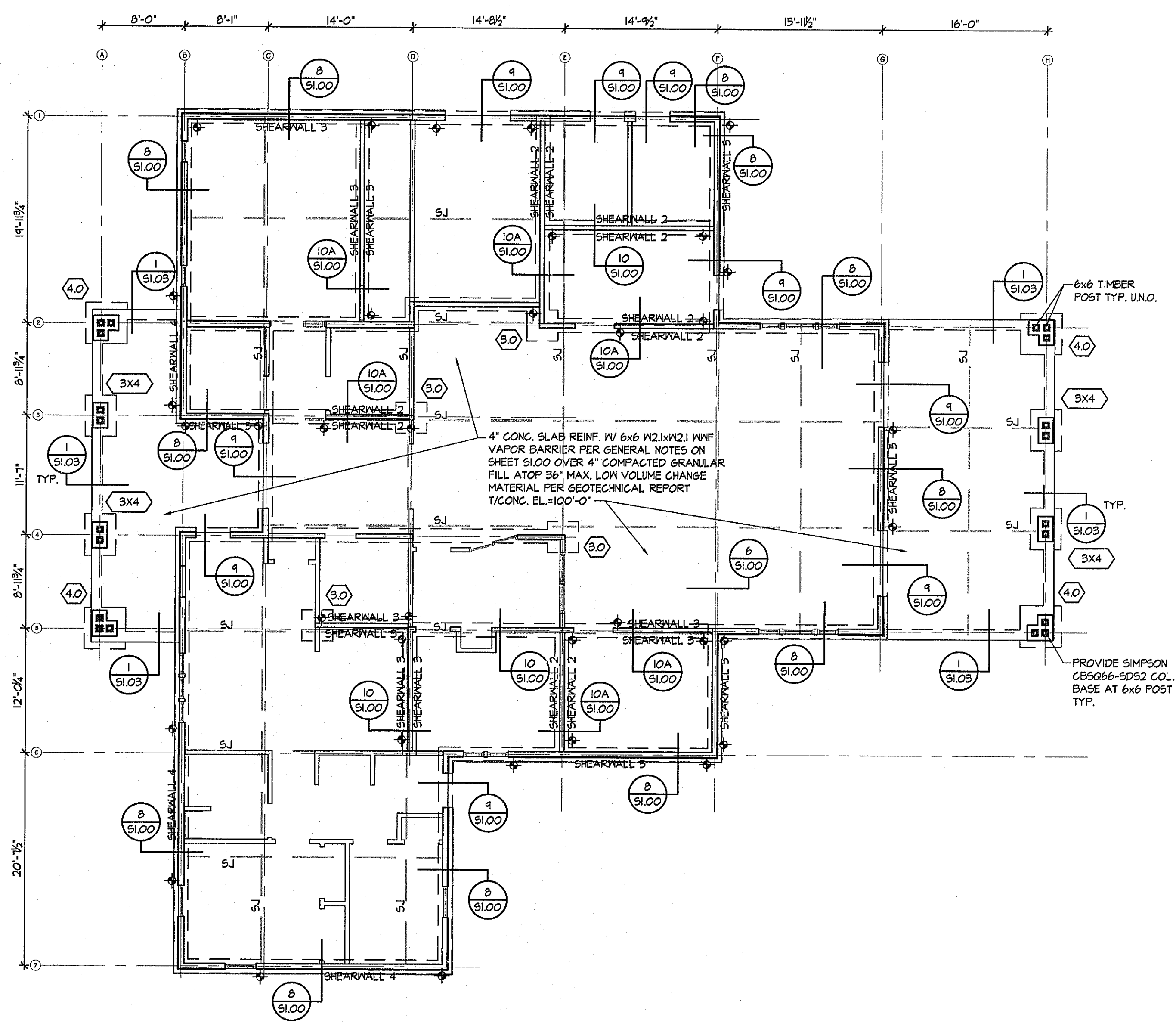
BUILDING B AND C
(BUILDING A - OPPOSITE HAND)
ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. REFER TO GENERAL NOTES ON SHEET 51.00.
2. PROVIDE (3) 2x STUD UNDER ALL GIRDER TRUSS BEARING POINTS EXTENDING TO FOUNDATION.

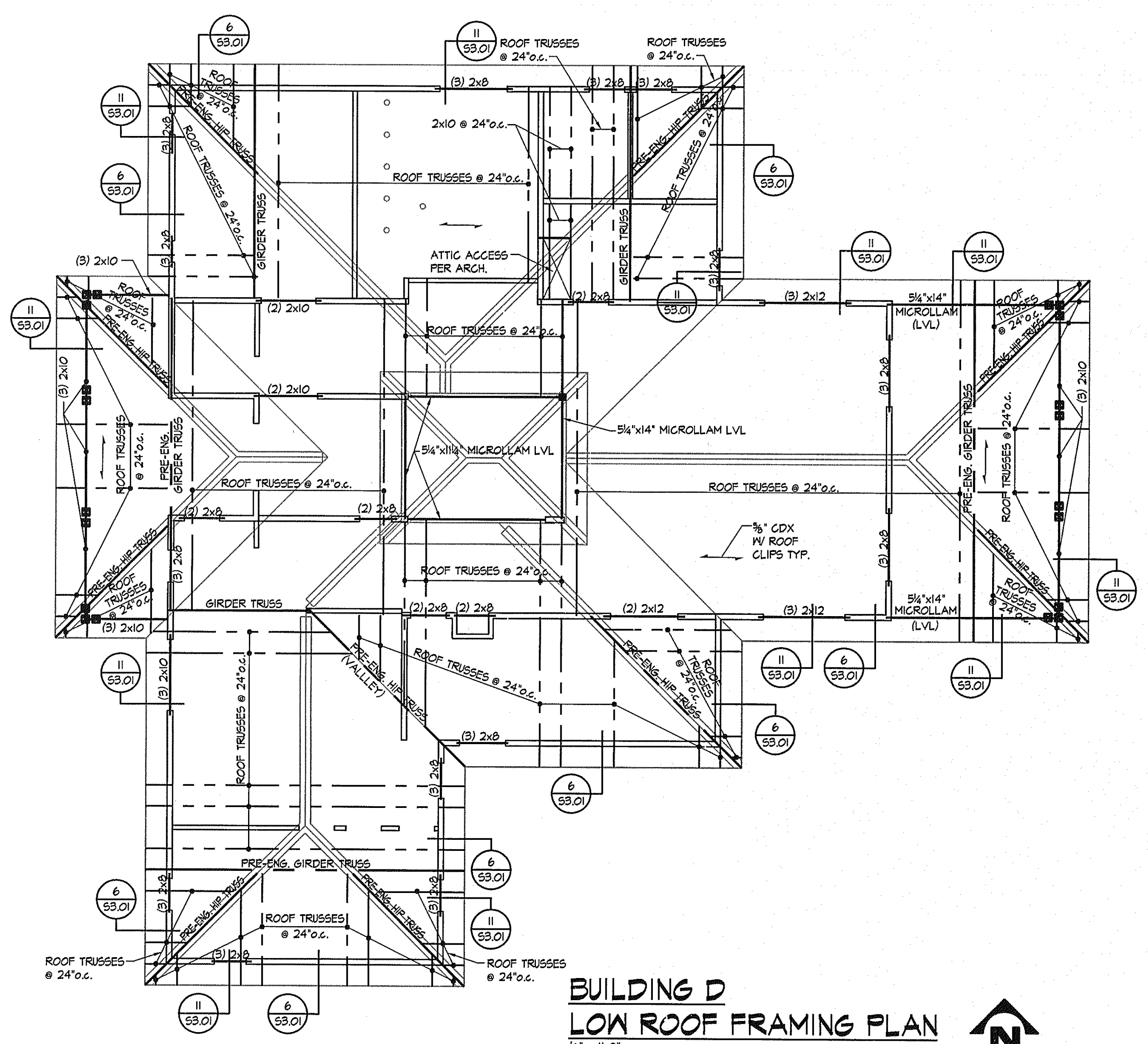
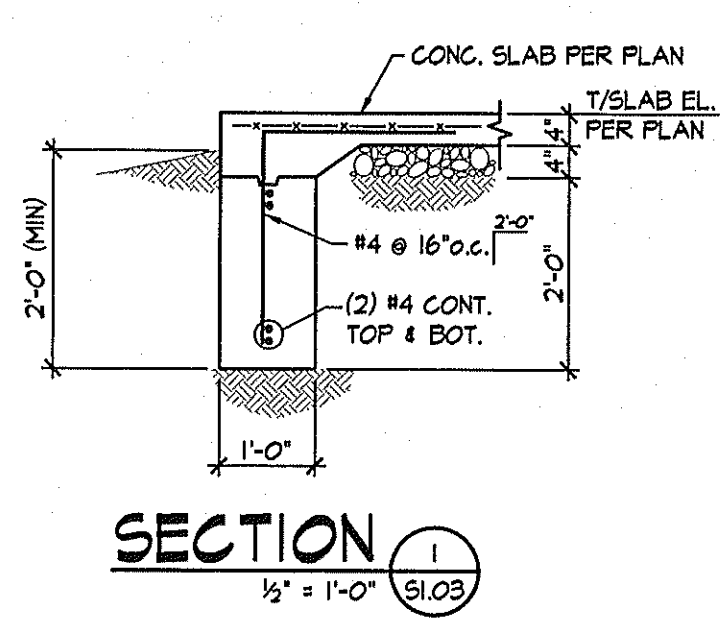
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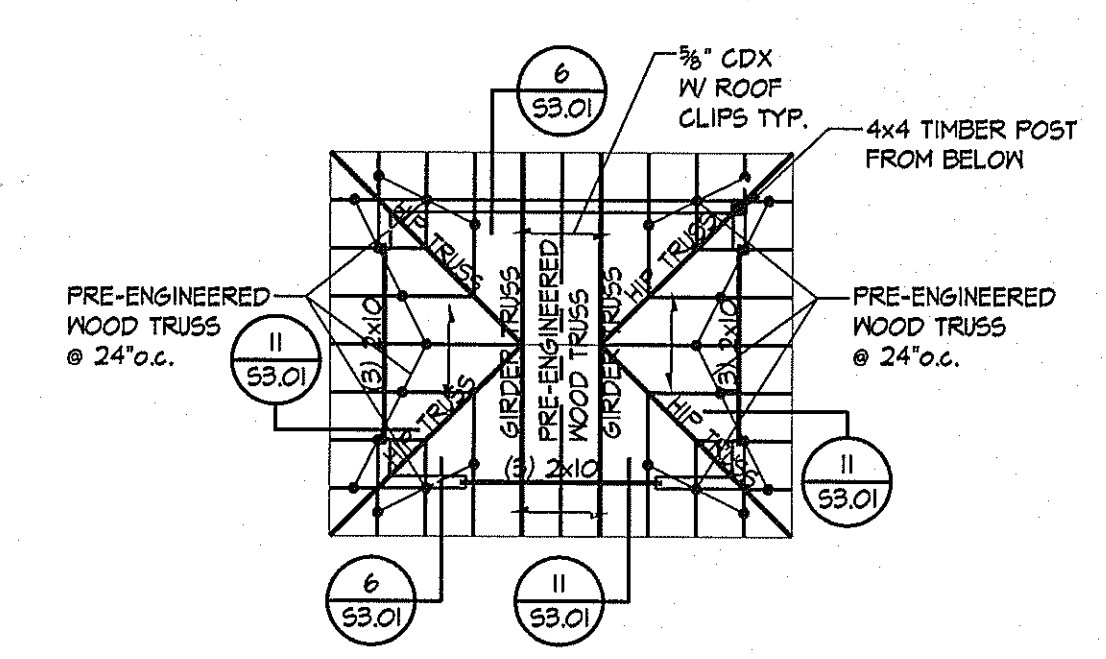
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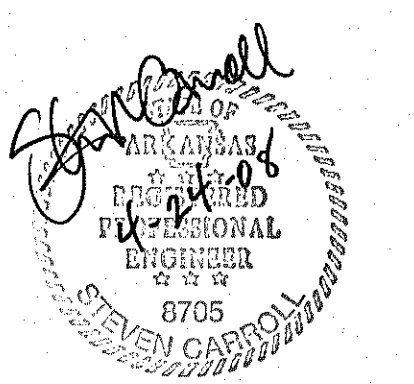
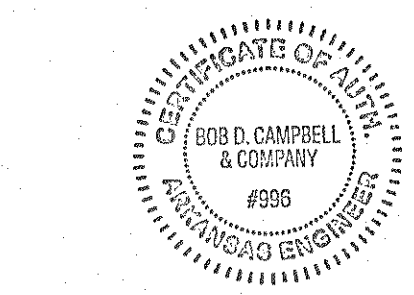
BUILDING D
FOUNDATION PLAN
1/8" = 1'-0"
NOTES:
1. REFER TO GENERAL NOTES ON SHEET 51.00.
2. 3/4" DENOTES SIMPSON HDU5-SDS2.5 SHEARWALL ANCHOR TIE-DOWN.
3. REFER TO FOOTING SCHEDULE ON SHEET 51.01.



BUILDING D
LOW ROOF FRAMING PLAN
1/8" = 1'-0"
NOTES:
1. REFER TO GENERAL NOTES ON SHEET 51.00.
2. PROVIDE TRIPLE STUDS UNDER ALL GIRDER & HIP TRUSS BEARING POINTS EXTENDING TO FOUNDATION.

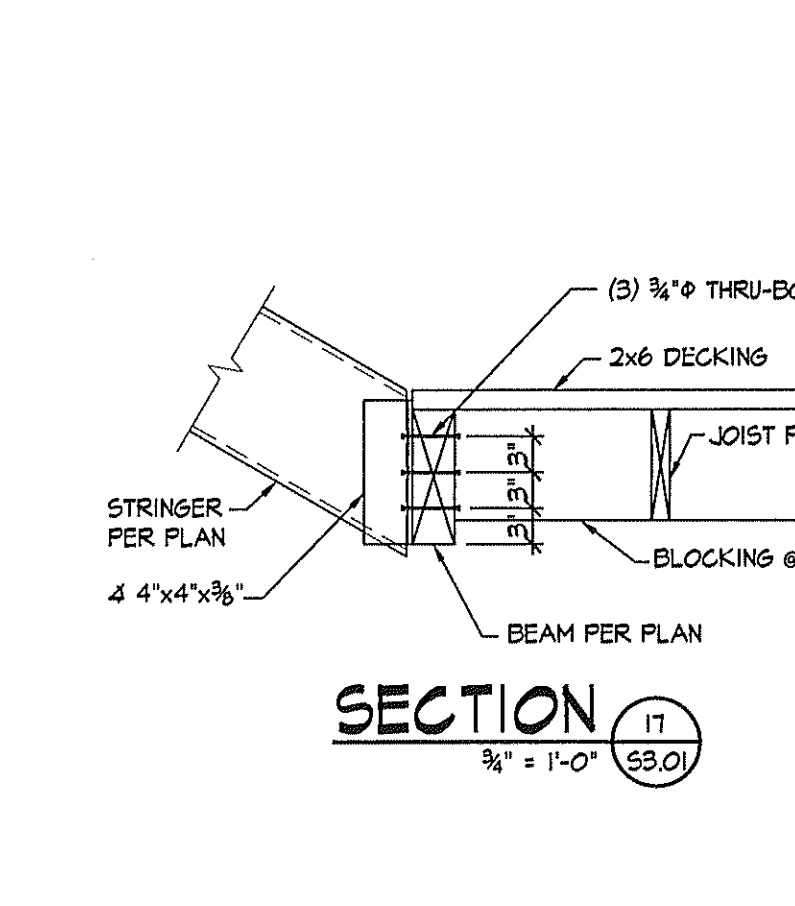
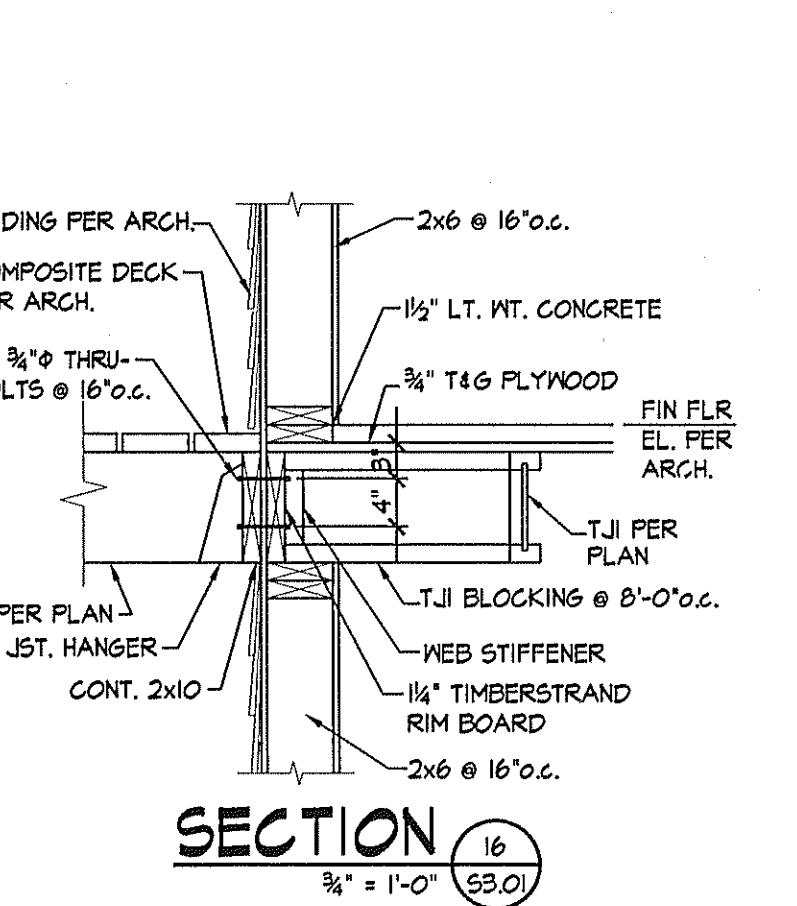
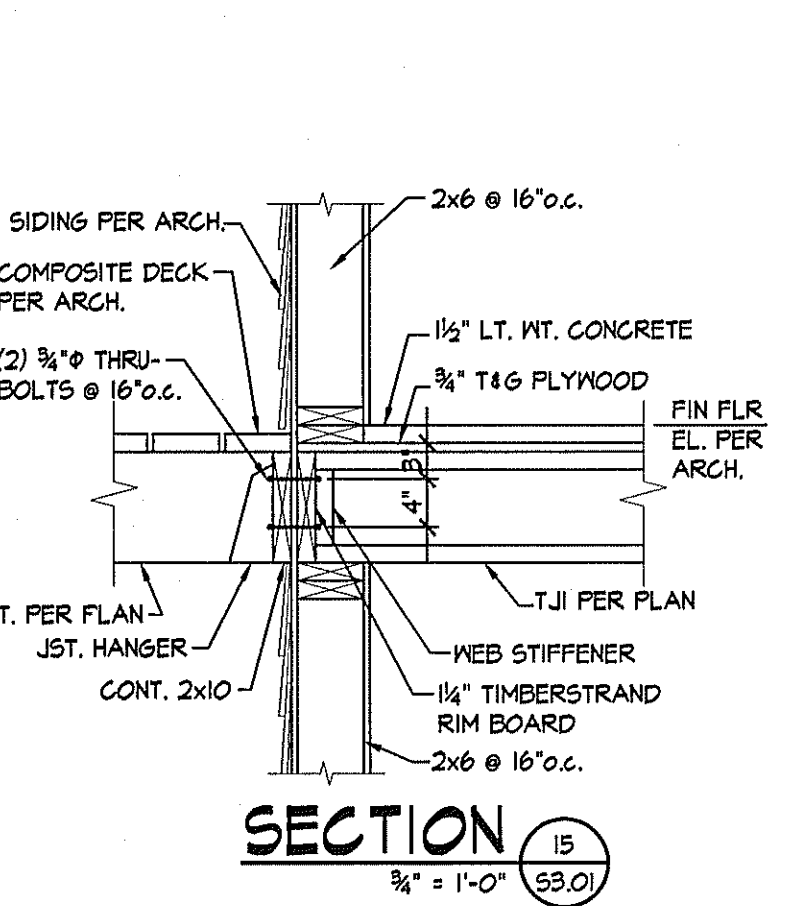
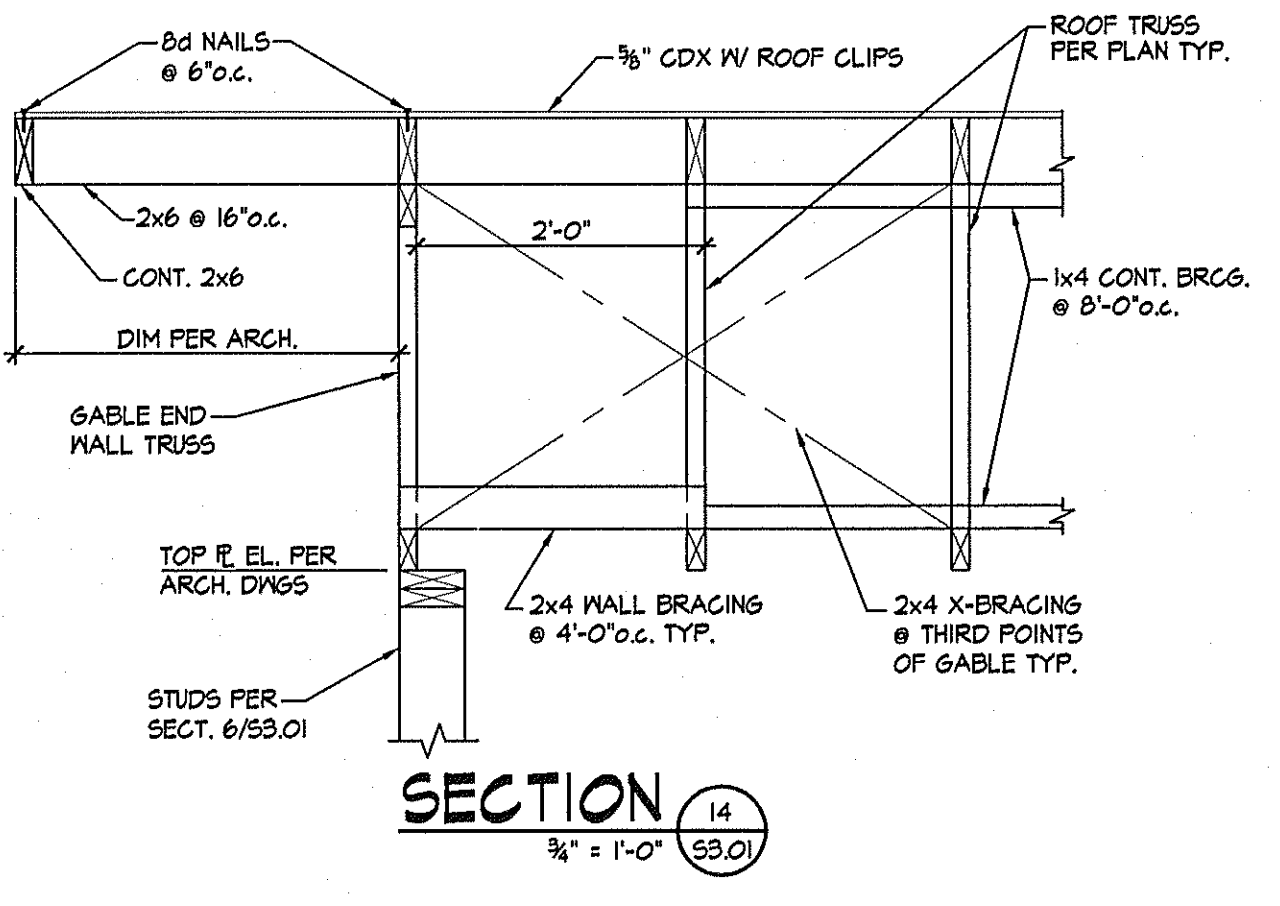
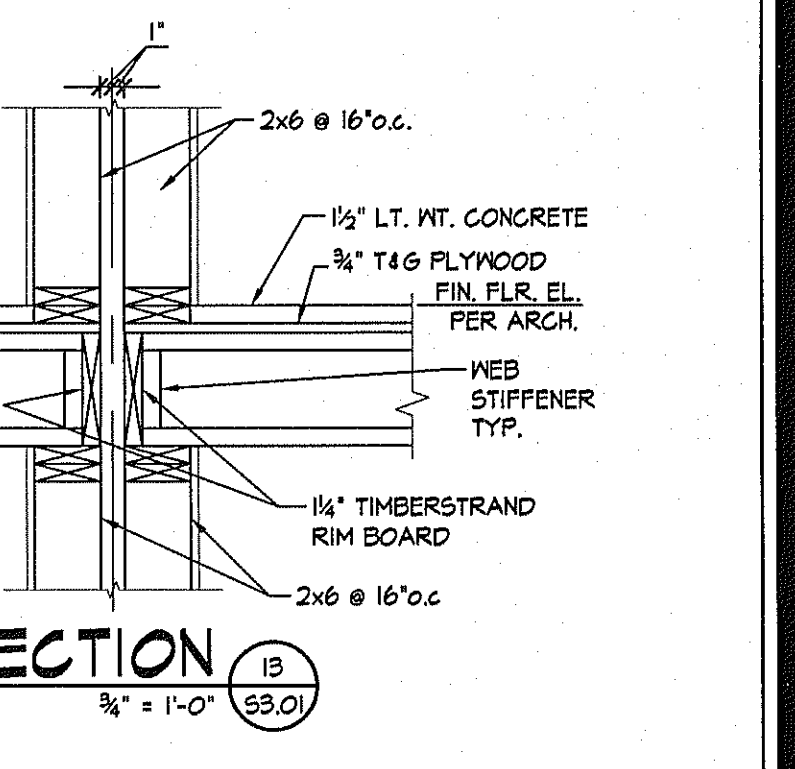
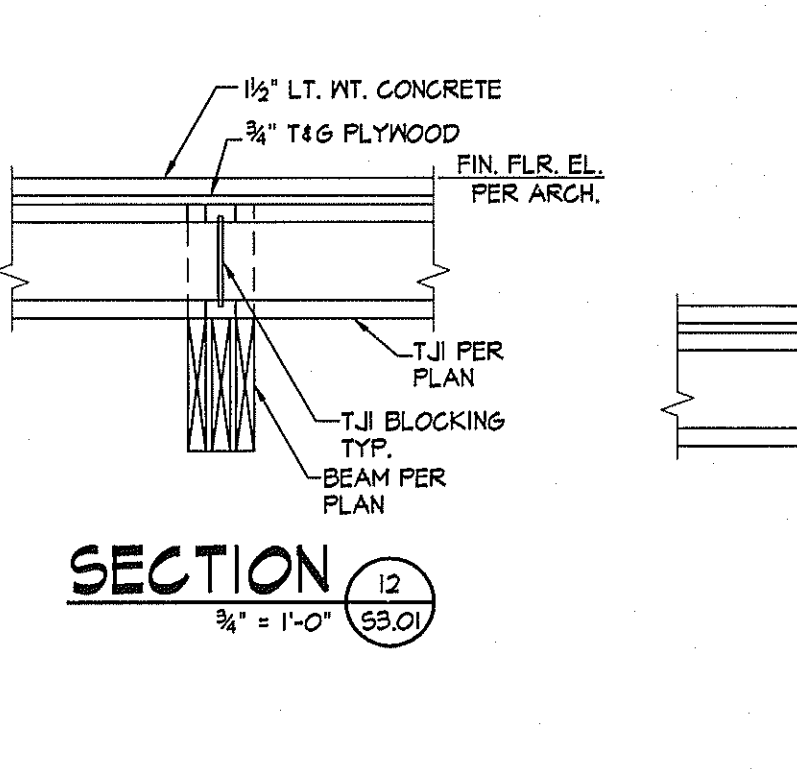
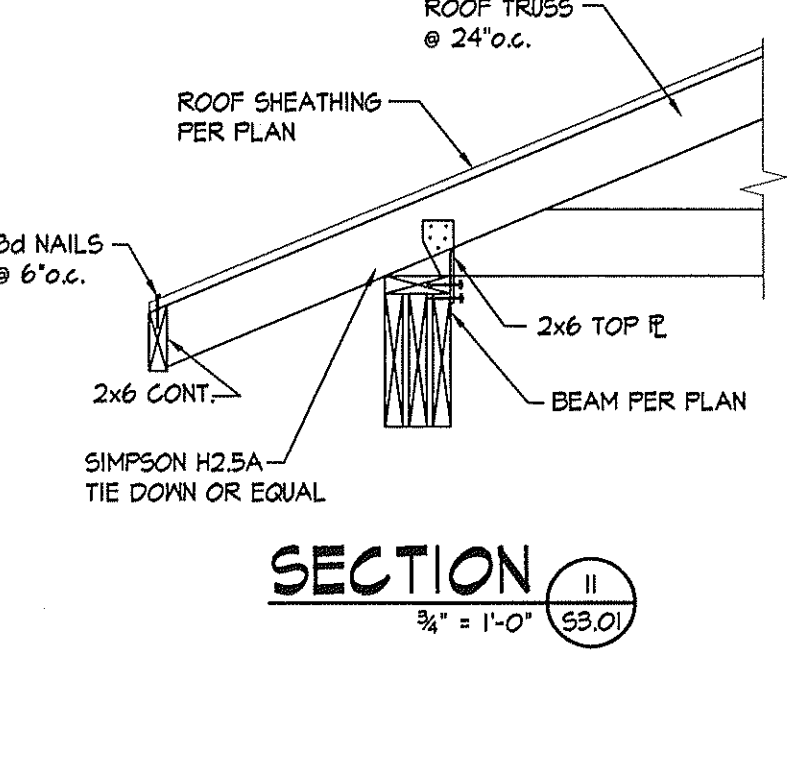
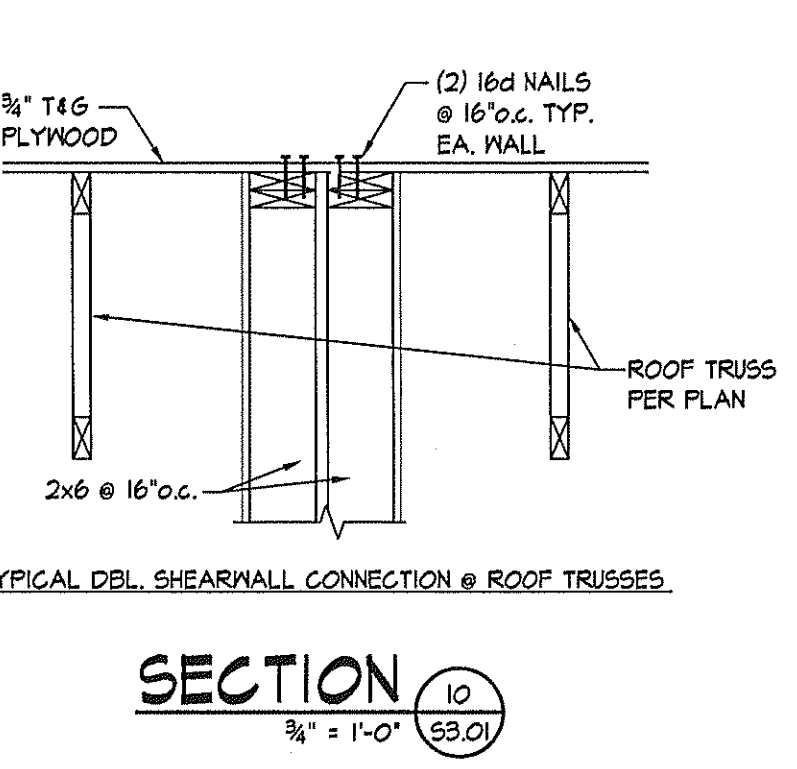
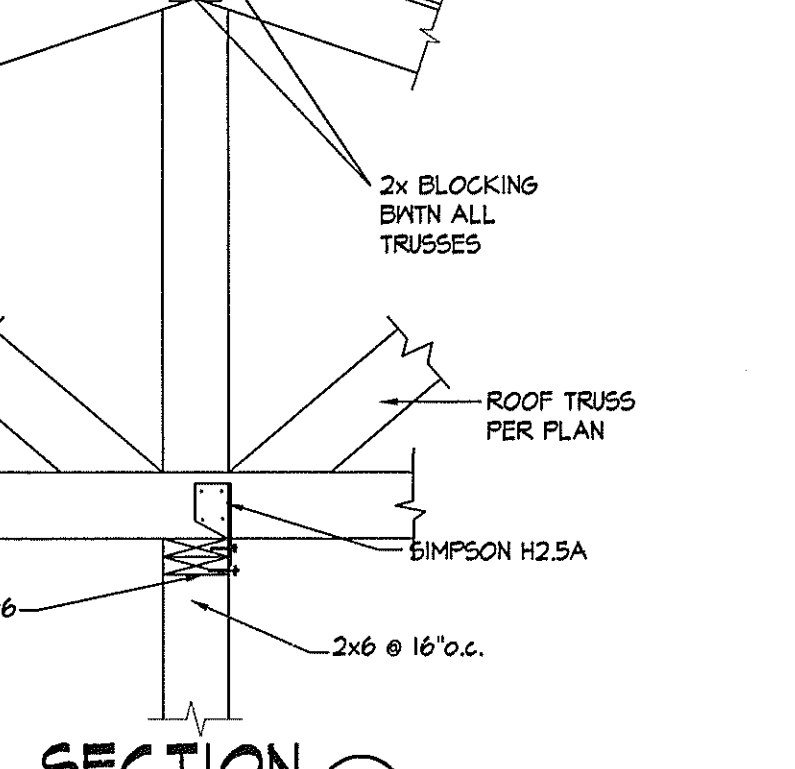
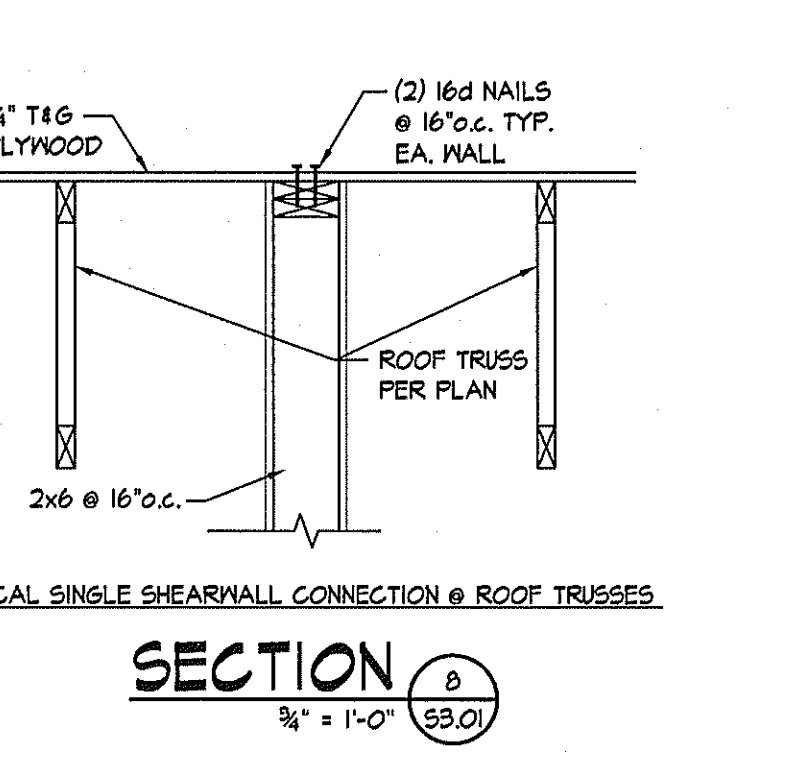
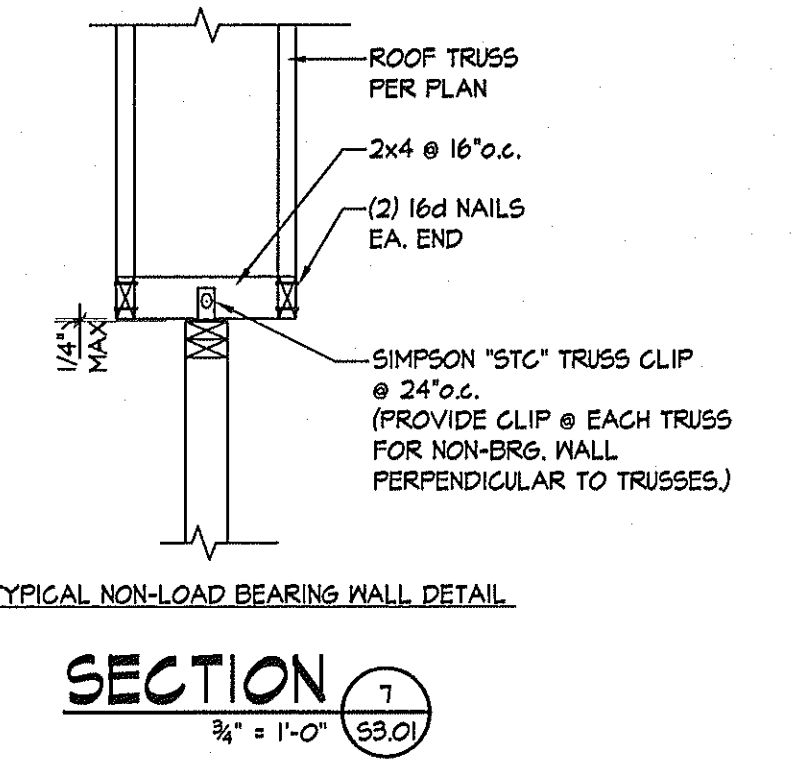
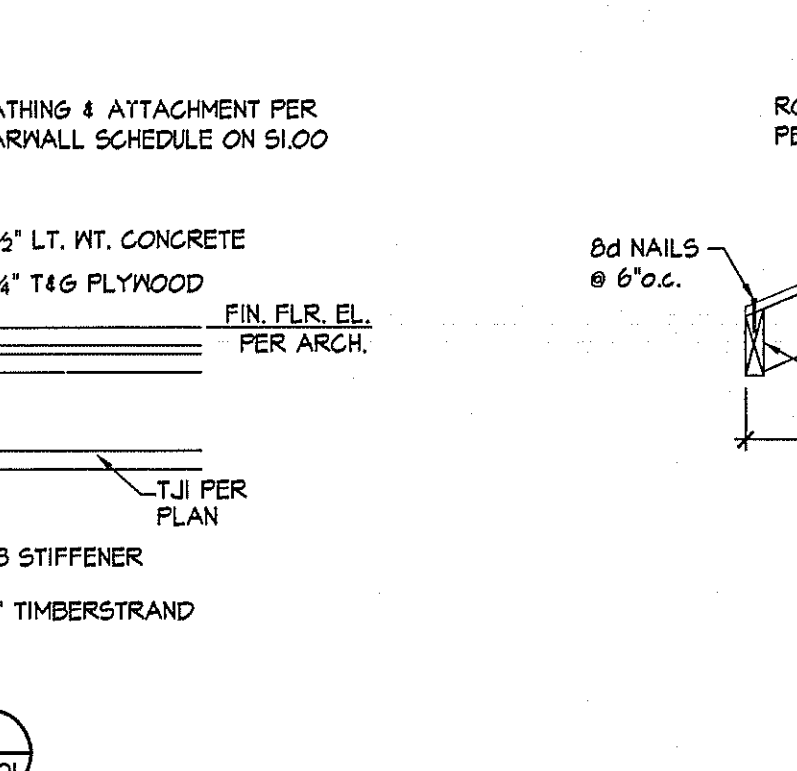
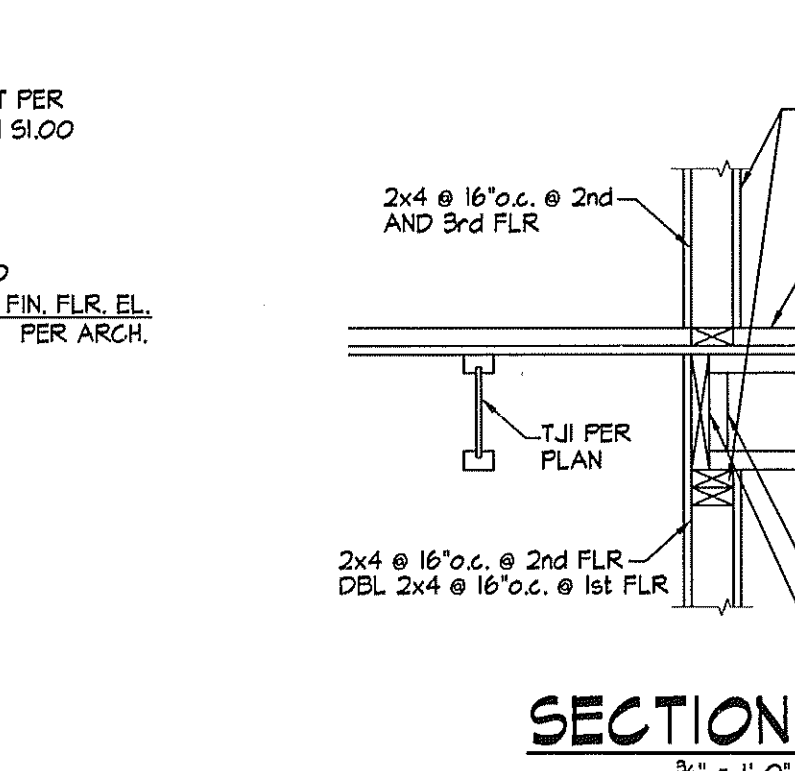
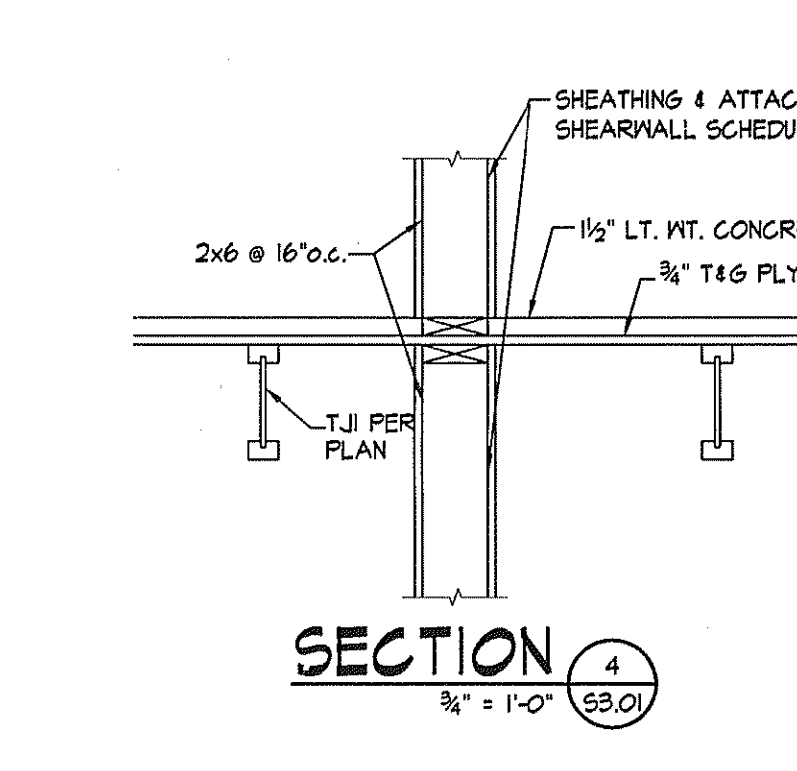
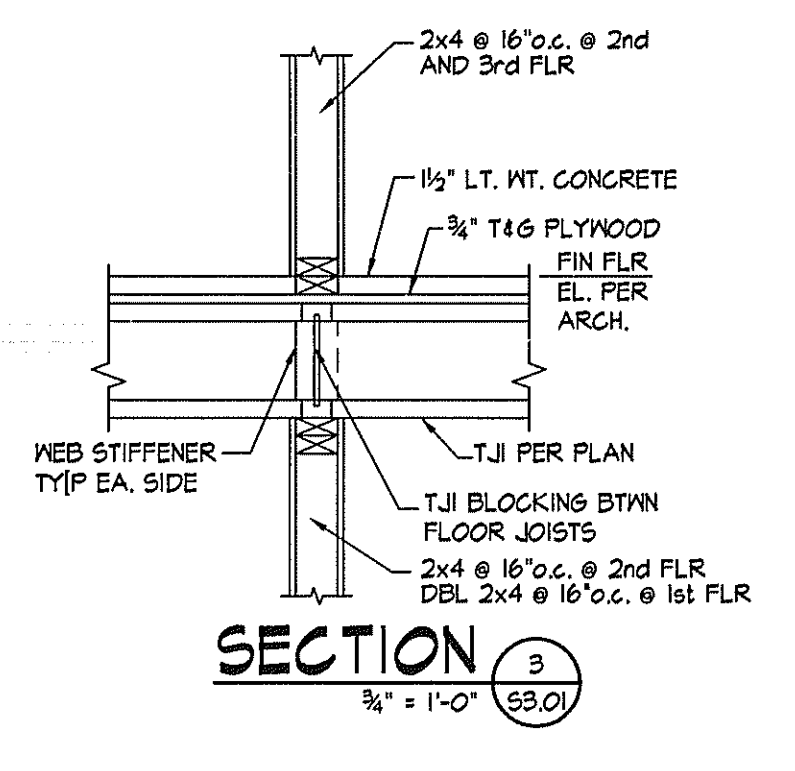
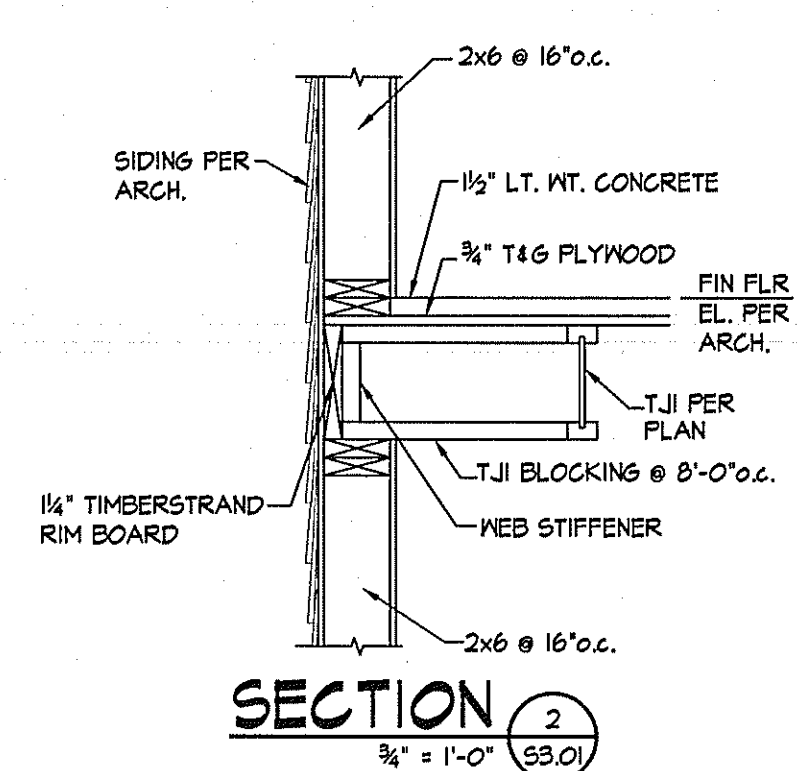
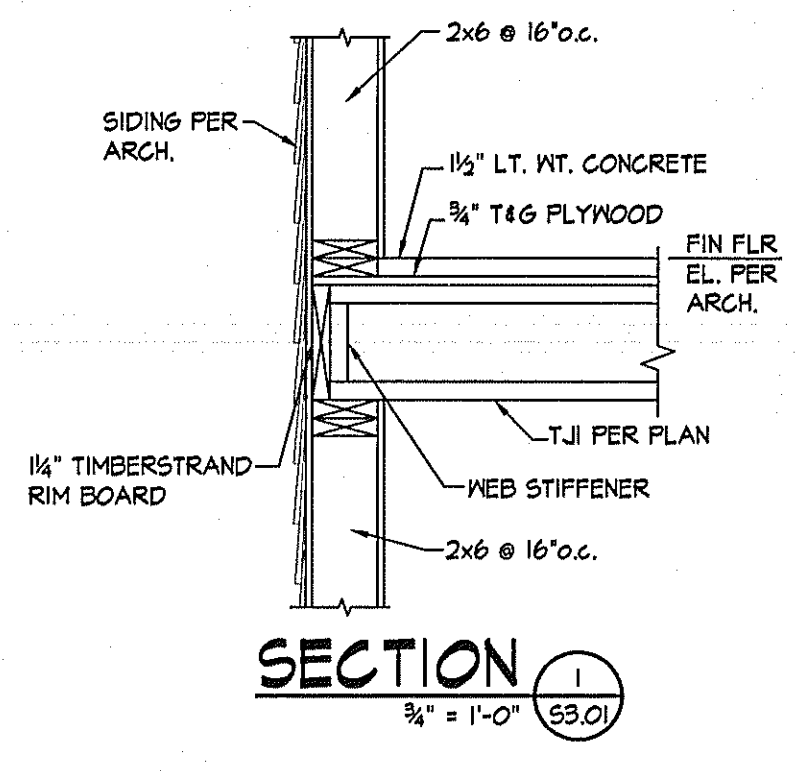


BUILDING D
HIGH ROOF FRAMING PLAN
1/8" = 1'-0"
NOTES:
1. REFER TO GENERAL NOTES ON SHEET 51.00.



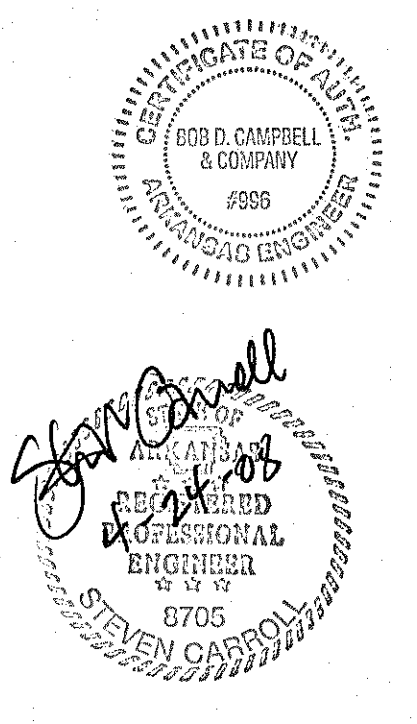
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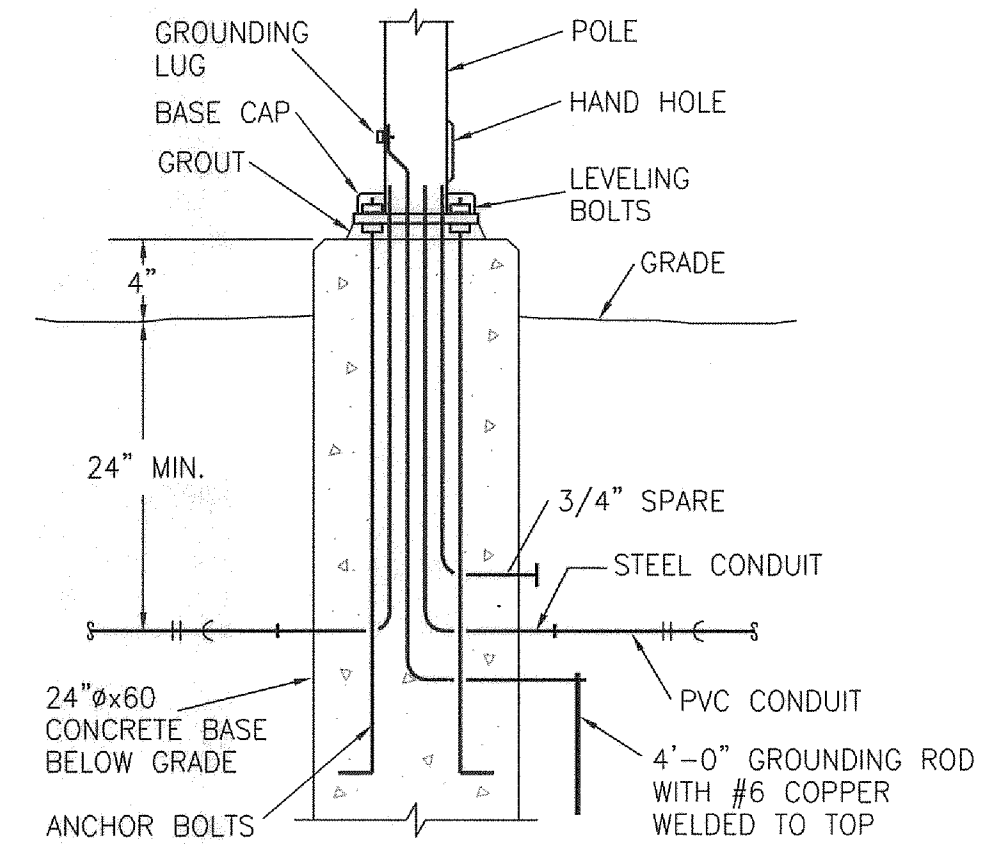
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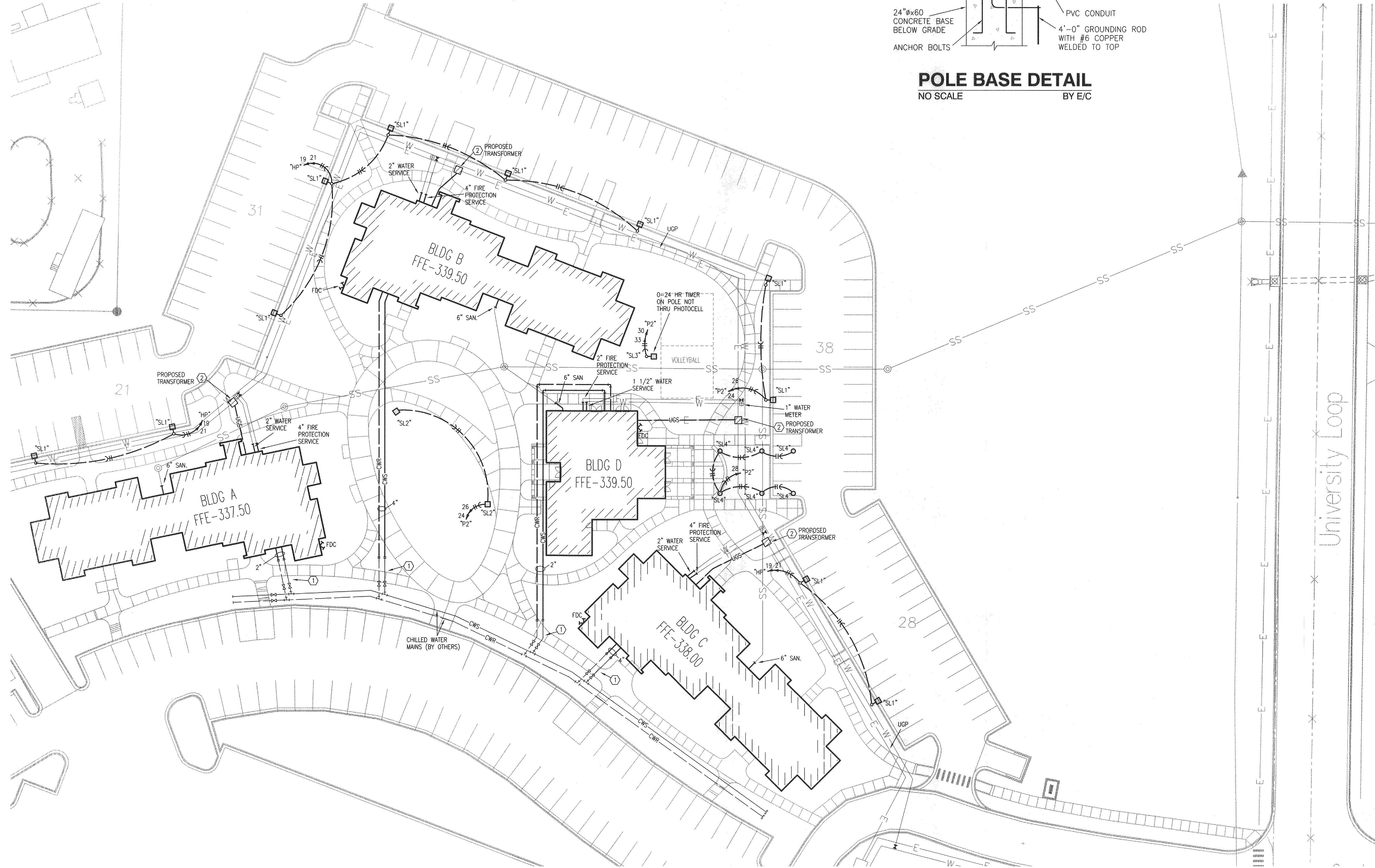
- NOTES:**
1. SEE CIVIL AND LANDSCAPE DRAWINGS FOR COORDINATION.
 2. ALL SITE LIGHTING WIRING IS (3) #10 AND ROUTED THRU PHOTOCELL.
 3. INSTALL SEISMIC FLEXIBLE FITTINGS ON ALL 2 1/2" OR LARGER CONDUITS ENTERING OR LEAVING THE BUILDING IN ACCORDANCE WITH SECTION 16880.

- LEGEND:**
- ① CHILLED WATER TAPS AND 20 FEET STUBS BY OTHER CONTRACTOR TO CONNECT AT STUB AND ROUTE INTO BUILDING. USE SDR17 HPPE PIPE AND SDR11 FITTINGS BELOW GRADE. SUBMIT MATERIAL. BURY 30" MIN. TO TOP OR MATCH MAIN.
 - ② COORDINATE TRANSFORMER LOCATIONS AND REQUIREMENTS WITH CITY POWER AND CIVIL ENGINEER. USE GRC LONG SWEEP ELLS ON PRIMARY AND SECONDARY CONDUITS. PRIMARY IS (2) 4" FC. WITH PULL WIRE. ELECTRICAL CONTRACTOR TO PROVIDE PADS, COMPACTION AND SECONDARY WIRE. CITY POWER TO PROVIDE PRIMARY AND TERMINATE SECONDARY.

NOTE:
FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR BASE REINFORCING.



POLE BASE DETAIL
NO SCALE BY E/C



SITE PLAN
1"=30'-0" M/E



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REGISTERED ARCHITECT
No. 6926
WILLIAM R. BASS
4-24-08

PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

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SITE PLAN - MECHANICAL/ELECTRICAL

REVISIONS

DATE 3-25-08
JOB # 07-047

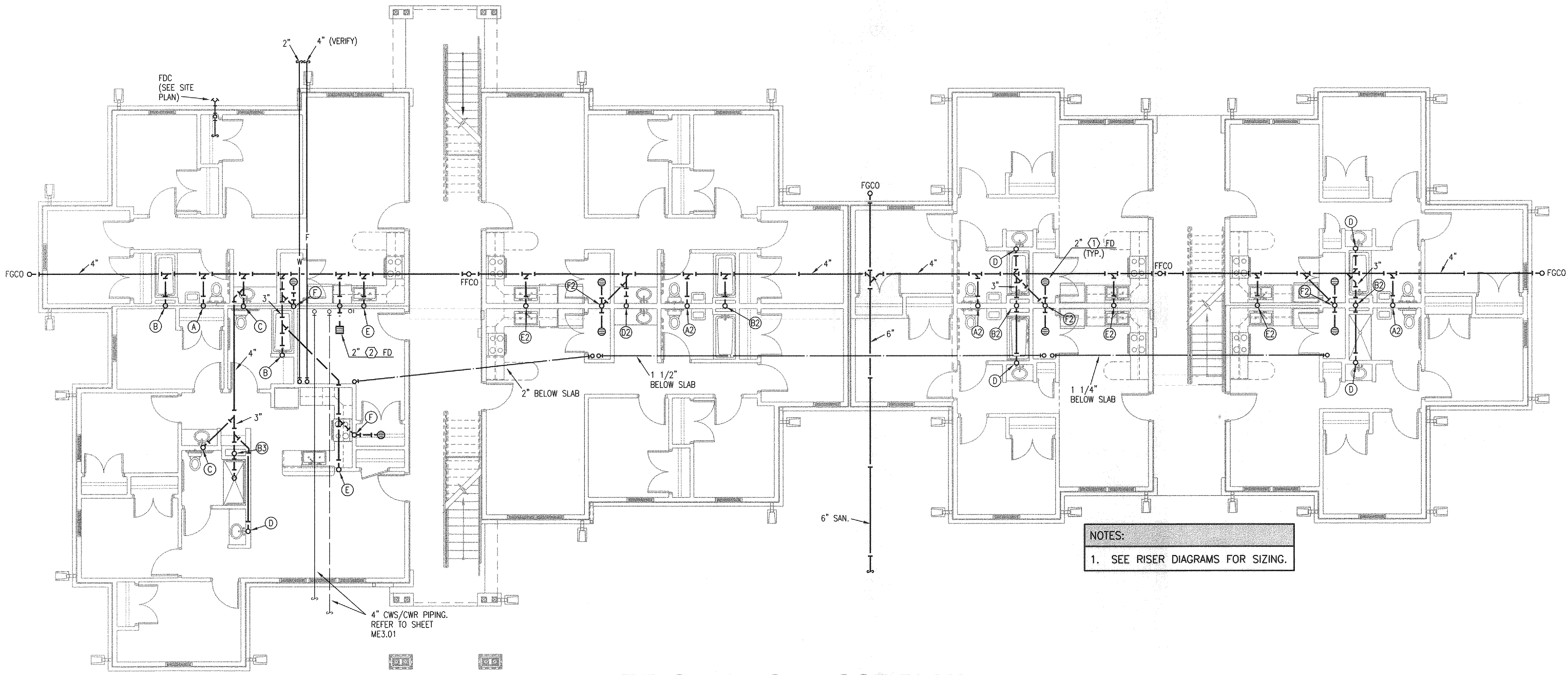
SHEET ME1.01

MECHANICAL SYMBOLS LEGEND			
	WATER CLOSET & TYPE (TYP. FOR ALL PLUMBING FIXTURES)		MANUAL DAMPER
	WASTE LINE ABOVE EARTH (W.)		BACKDRAFT DAMPER
	WASTE LINE IN EARTH (W.)		AUTOMATIC DAMPER
	CLEAN OUT		FIRE DAMPER
	FLUSH FLOOR CLEAN OUT		FIRE/SMOKE DAMPER
	FLUSH GRADE CLEAN OUT		SMOKE DAMPER
	FLOOR DRAIN AND TYPE		GRILLE, REGISTER OR DIFFUSER, SIZE, TYPE & CFM
	ROOF DRAIN		VOLUME EXTRACTOR AND TURNING VANES
	ROOF DRAIN AND TYPE		RETURN, EXHAUST OR FRESH AIR DUCT SECTION UP & DOWN
	VENT LINE (V.)		SUPPLY AIR DUCT SECTION UP AND DOWN
	DOMESTIC COLD WATER SUPPLY (DCW)		FLEXIBLE DUCT CONNECTION
	DOMESTIC HOT WATER SUPPLY (DHW)		ROUND OR RECTANGULAR DUCT
	DOMESTIC HOT WATER RETURN (DHW-R)		FLEXIBLE DUCT
	HOSE BIBB AND MOUNTING HEIGHT		THERMOSTAT
	WALL HYDRANT		REFRIGERANT LIQUID
	FIRE LINE/STANDPIPE		REFRIGERANT SUCTION
	DRAIN LINE		ACCESS DOOR
	NATURAL GAS LINE		ABOVE FINISHED FLOOR
	RISE & DROP IN PIPE WITH OUT-OFF VALVE		EXHAUST AIR
	REDUCER		OUTSIDE AIR
	CHECK VALVE		RETURN AIR
	STOP VALVE		SUPPLY AIR
	BALANCING VALVE		VENT BELOW SLAB
	PLUG VALVE		VENT THRU ROOF
	2-WAY CONTROL VALVE OR SOLENOID VALVE		CONNECT NEW TO EXISTING
	3-WAY CONTROL VALVE OR SOLENOID VALVE		
	PRESSURE REDUCING VALVE		
	STRAINER		
	UNION		
	FLEXIBLE PIPE CONNECTION		

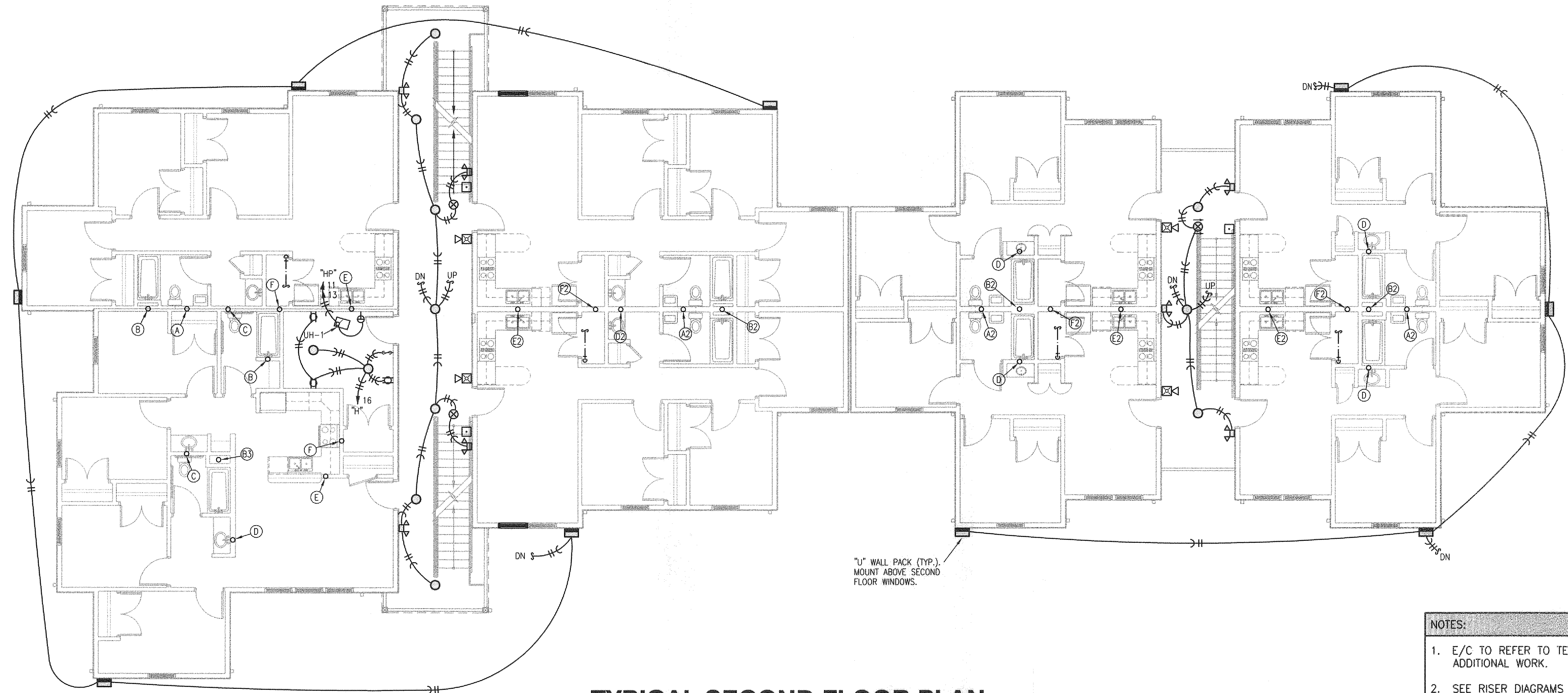
NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS. REFER TO ELECTRICAL SYMBOLS LEGEND FOR ELECTRICAL SYMBOLS THAT MAY BE SHOWN ON MECHANICAL PLANS.

ELECTRICAL SYMBOLS LEGEND			
	CONDUIT CONCEALED IN CEILING OR WALL		SWITCH - SINGLE POLE
	CONDUIT CONCEALED IN FLOOR SLAB		3-WAY, 4-WAY
	EXPOSED CONDUIT		LIGHT FIXTURE AND TYPE
	HOMERUN - ARROW INDICATES CKT., LINES INDICATE WIRES		FLUORESCENT LIGHT FIXTURE
	GROUND WIRE		EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
	GROUNDING ROD		FIXTURE ON LIFE SAFETY BRANCH OF EMERGENCY SYSTEM
	SINGLE RECEPTACLE		INCANDESCENT OR H.I.D. LIGHT FIXTURE
	DUPLEX RECEPTACLE (20 AMP UNLESS NOTED)		INCANDESCENT OR H.I.D. LIGHT FIXTURE (WALL MOUNTED)
	FOURPLEX RECEPTACLE		EXIT LIGHT (CEILING OR WALL MOUNTED)
	208 OR 240 VOLT RECEPTACLE (20 AMP UNLESS NOTED)		FLUSH PANELBOARD (LIGHT & RECEPTACLES)
	TELE/DATA OUTLET *		SURFACE PANELBOARD (LIGHT & RECEPTACLES)
	TELE/DATA OUTLET *		DISTRIBUTION PANEL OR SWITCHBOARD
	PUSHBUTTON		DEVICE LOCATED ABOVE COUNTER
	BELL		AC
	MOTOR		ABOVE FINISHED FLOOR
	FUSIBLE SWITCH (BUSMAN SSU)		DIMMER
	DISCONNECT SWITCH (D.S.)		INDICATES EXISTING DEVICE
	COMBINATION MOTOR STARTER (CMS)		ELECTRIC DRINKING FOUNTAIN
	RELAY		GROUND FAULT INTERRUPTER
	JUNCTION BOX		NIGHTLIGHT FIXTURE, WIRED HOT
	THERMOSTAT		WEATHERPROOF
			CONNECT NEW TO EXISTING

NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS. REFER TO MECHANICAL SYMBOLS LEGEND FOR MECHANICAL SYMBOLS THAT MAY BE SHOWN ON ELECTRICAL PLANS. * 4x4 BACKBOX WITH SINGLE GANG PLASTER RING AND A 1" CONDUIT TO ABOVE ACCESSIBLE CEILING.

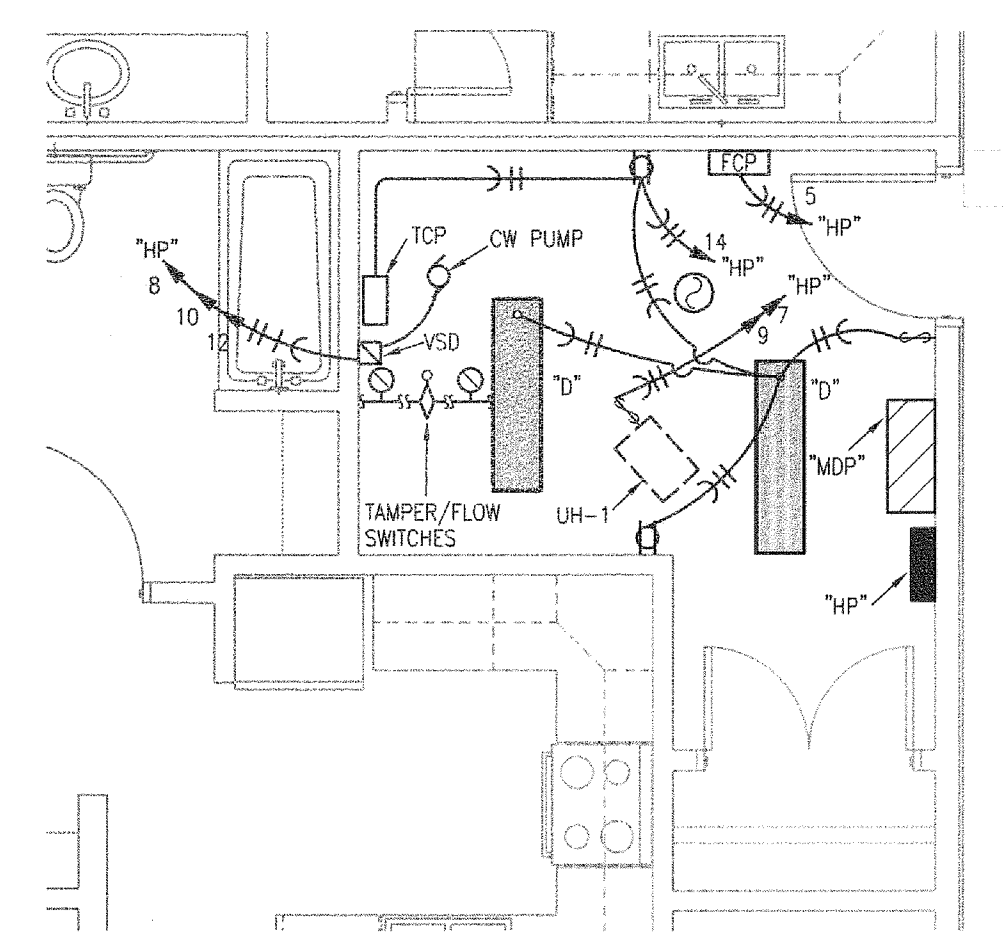


TYPICAL FIRST FLOOR PLAN
 1/8" = 1'-0"
 BELOW-GRADE PLUMBING

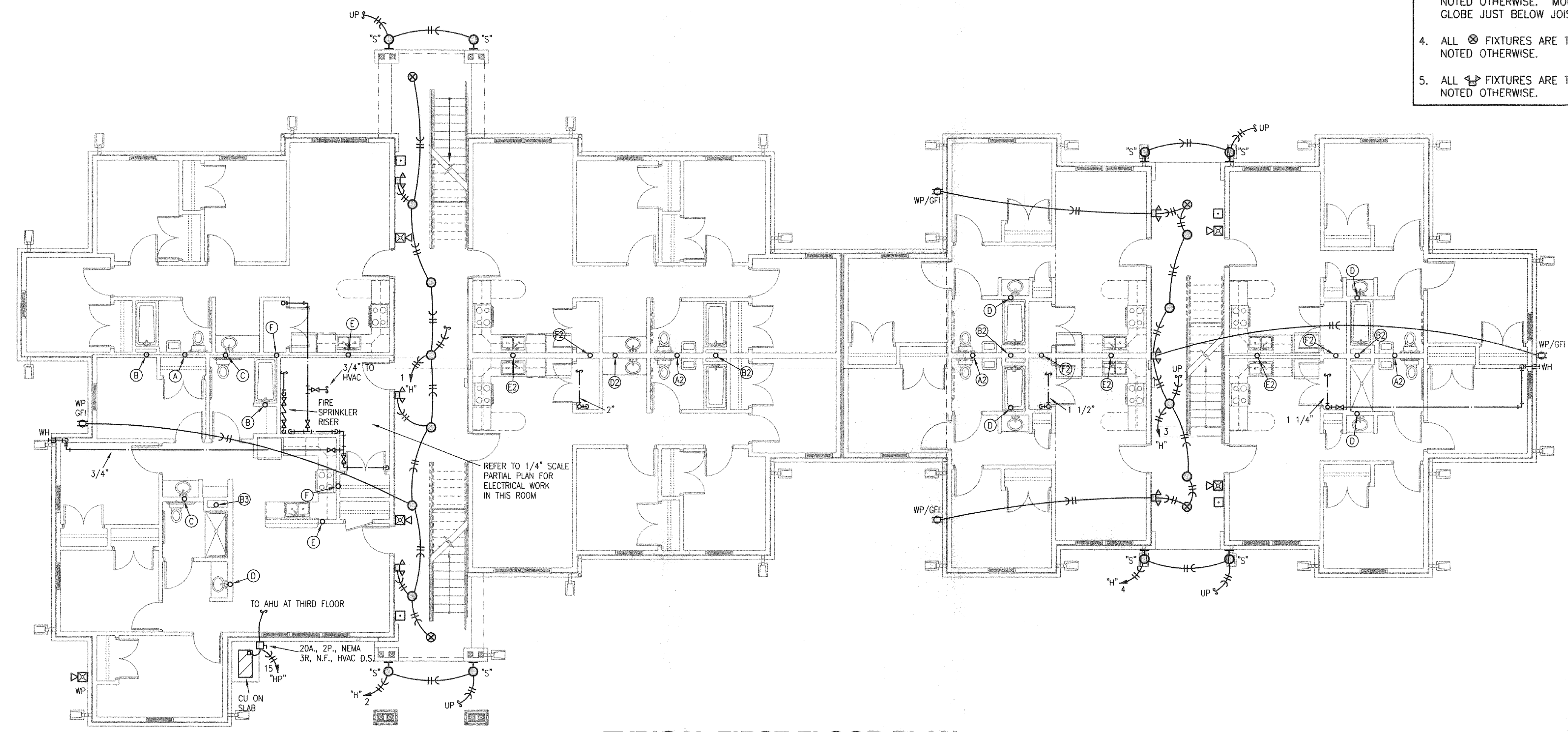


TYPICAL SECOND FLOOR PLAN
1/8" = 1'-0" MECH/ELEC

- NOTES:**
1. E/C TO REFER TO TELECOM SHEETS FOR ADDITIONAL WORK.
 2. SEE RISER DIAGRAMS ON SHEET M1.04.
WALL PACKS WIRED WITH (3) #10.
 3. ALL ○ FIXTURES ARE TYPE "R" UNLESS NOTED OTHERWISE. MOUNT FIXTURE WITH GLOBE JUST BELOW JOISTS ON BLOCKING.
 4. ALL ⊗ FIXTURES ARE TYPE "X" UNLESS NOTED OTHERWISE.
 5. ALL ⊕ FIXTURES ARE TYPE "P" UNLESS NOTED OTHERWISE.



PARTIAL FIRST FLOOR PLAN
1/4" = 1'-0" MECH/ELEC



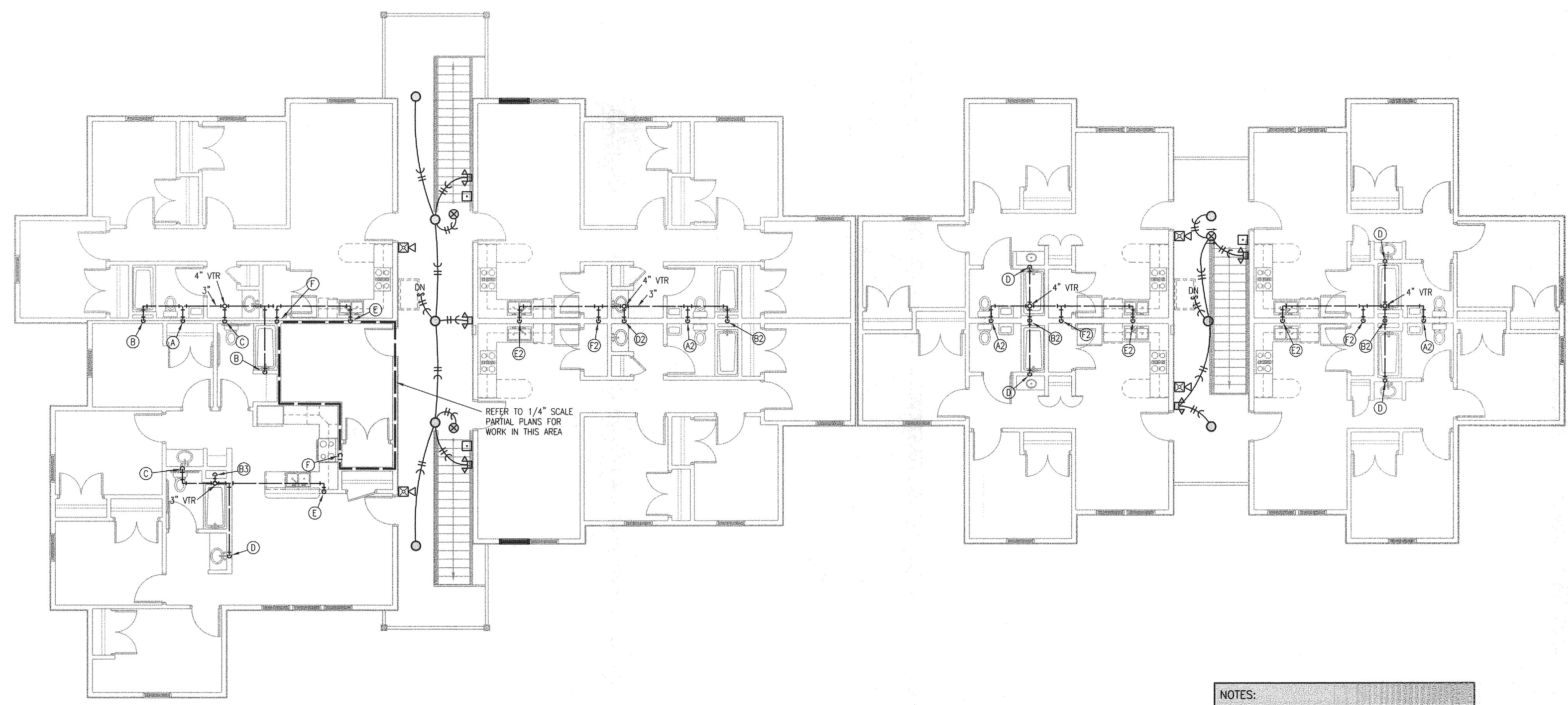
TYPICAL FIRST FLOOR PLAN
1/8" = 1'-0" MECH/ELEC

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PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

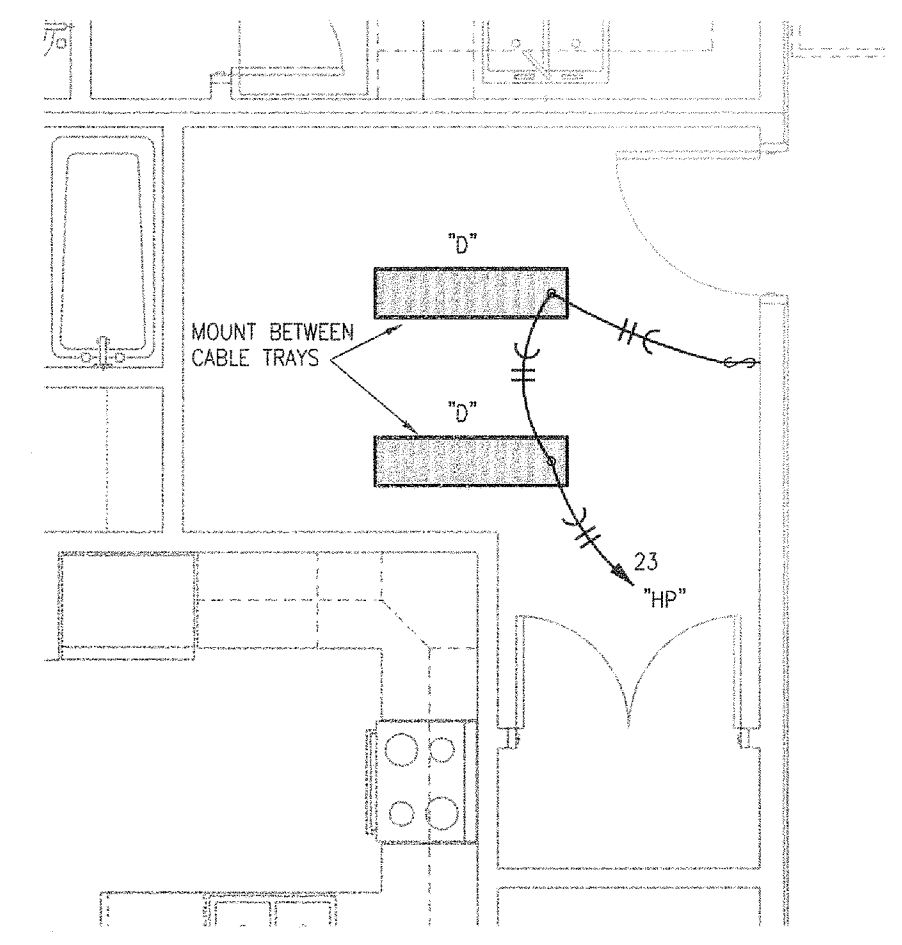
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TYPICAL FLOOR PLANS
BUILDINGS A, B & C -
MECHANICAL/ELECTRICAL

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		07-047

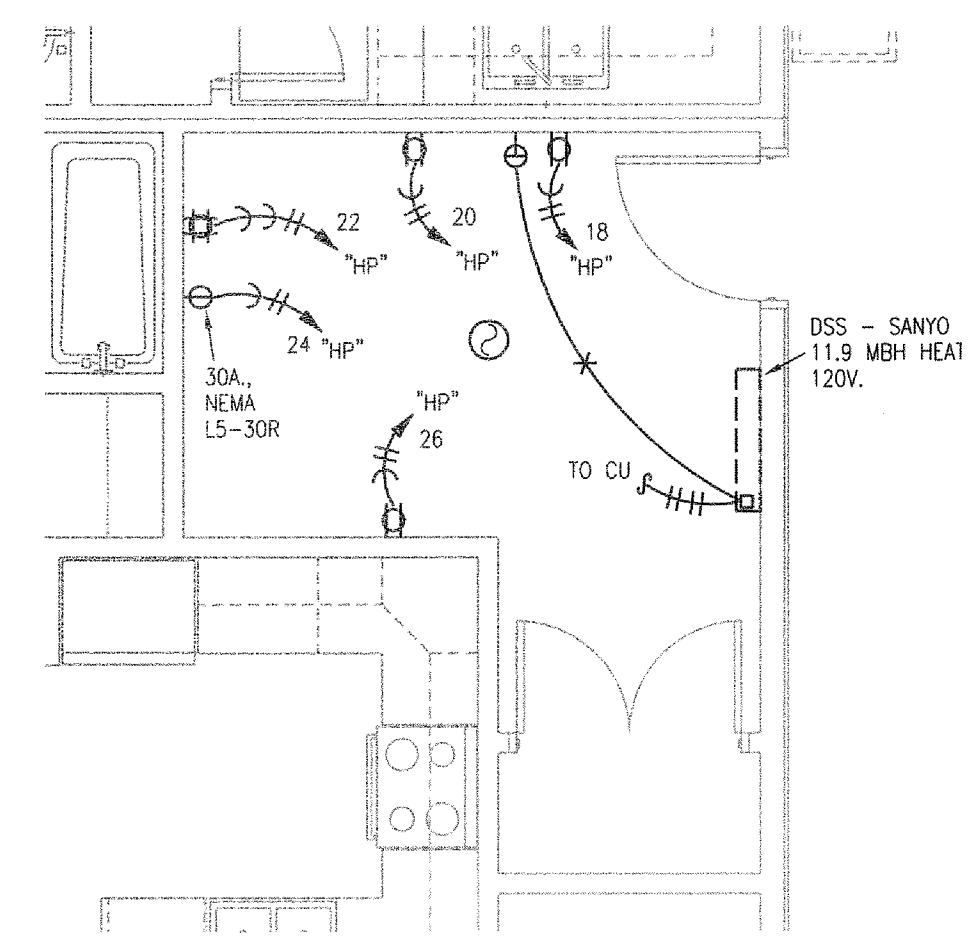


TYPICAL THIRD FLOOR PLAN
1/8" = 1'-0" MECH/ELEC

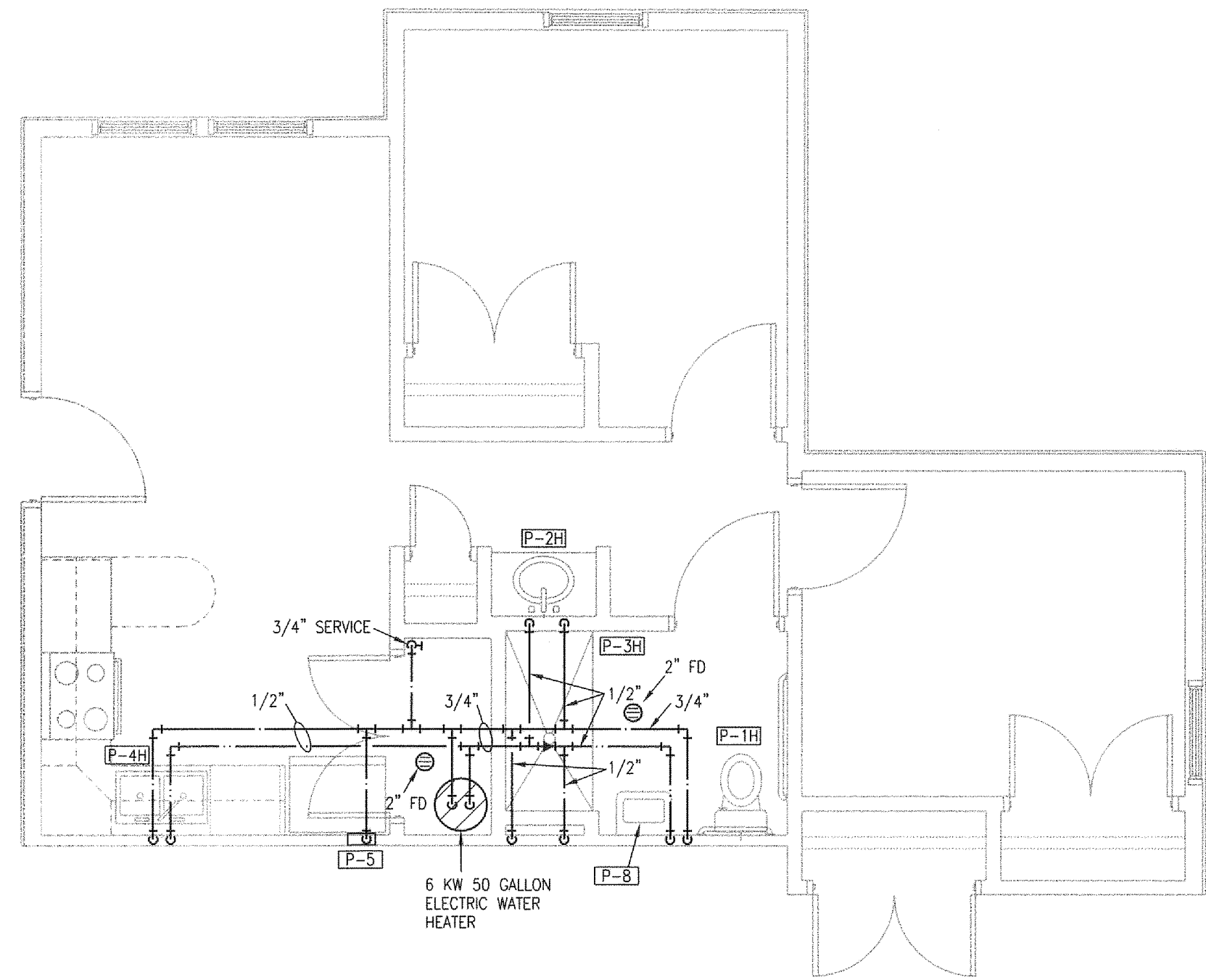
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 2. SEE RISER DIAGRAMS ON SHEET M1.04.
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 3. ALL ○ FIXTURES ARE TYPE "R" UNLESS NOTED OTHERWISE. MOUNT FIXTURE WITH GLOBE JUST BELOW JOISTS ON BLOCKING.
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 5. ALL ⊕ FIXTURES ARE TYPE "P" UNLESS NOTED OTHERWISE.



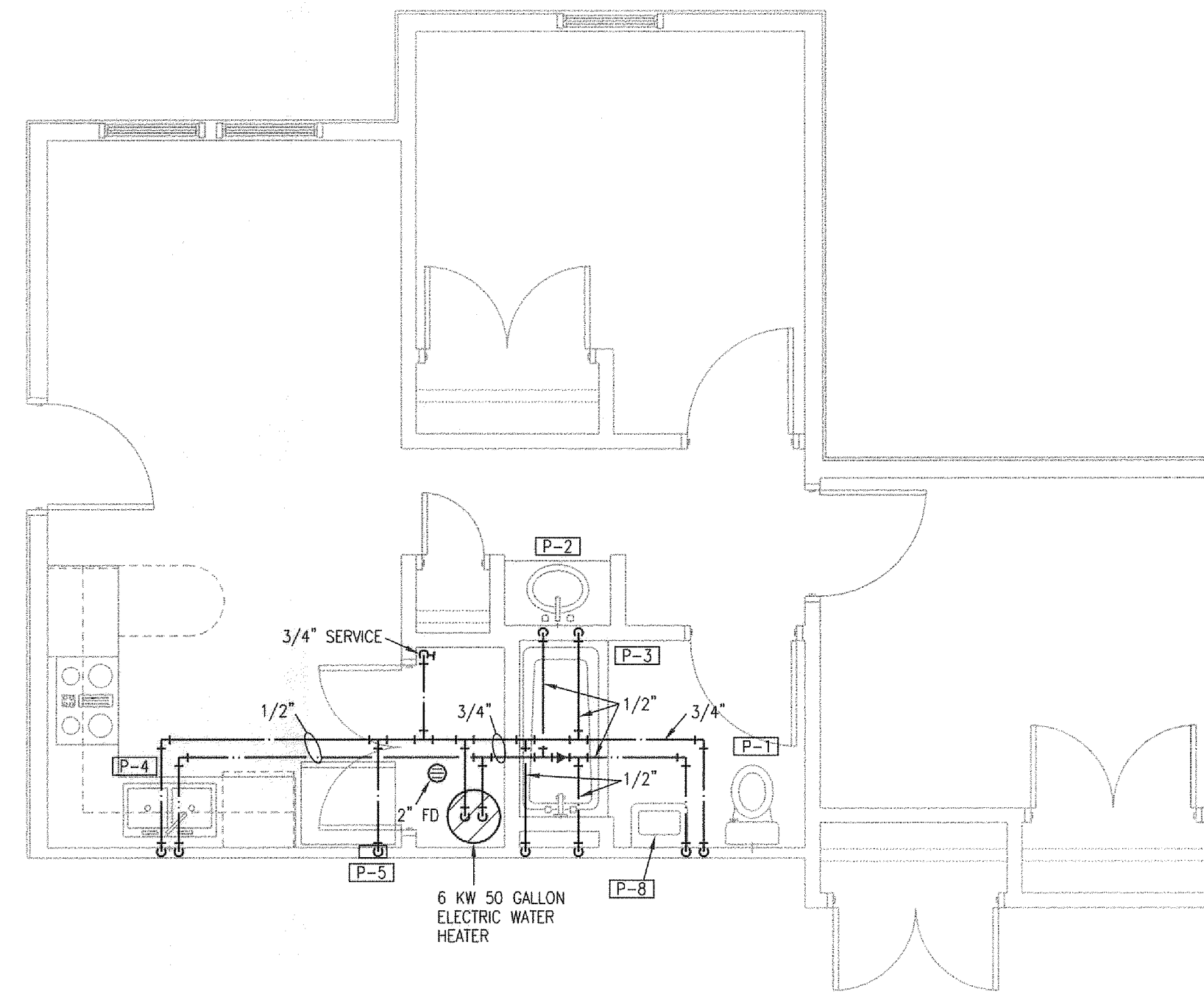
PARTIAL THIRD FLOOR PLAN
1/8" = 1'-0" LIGHTING



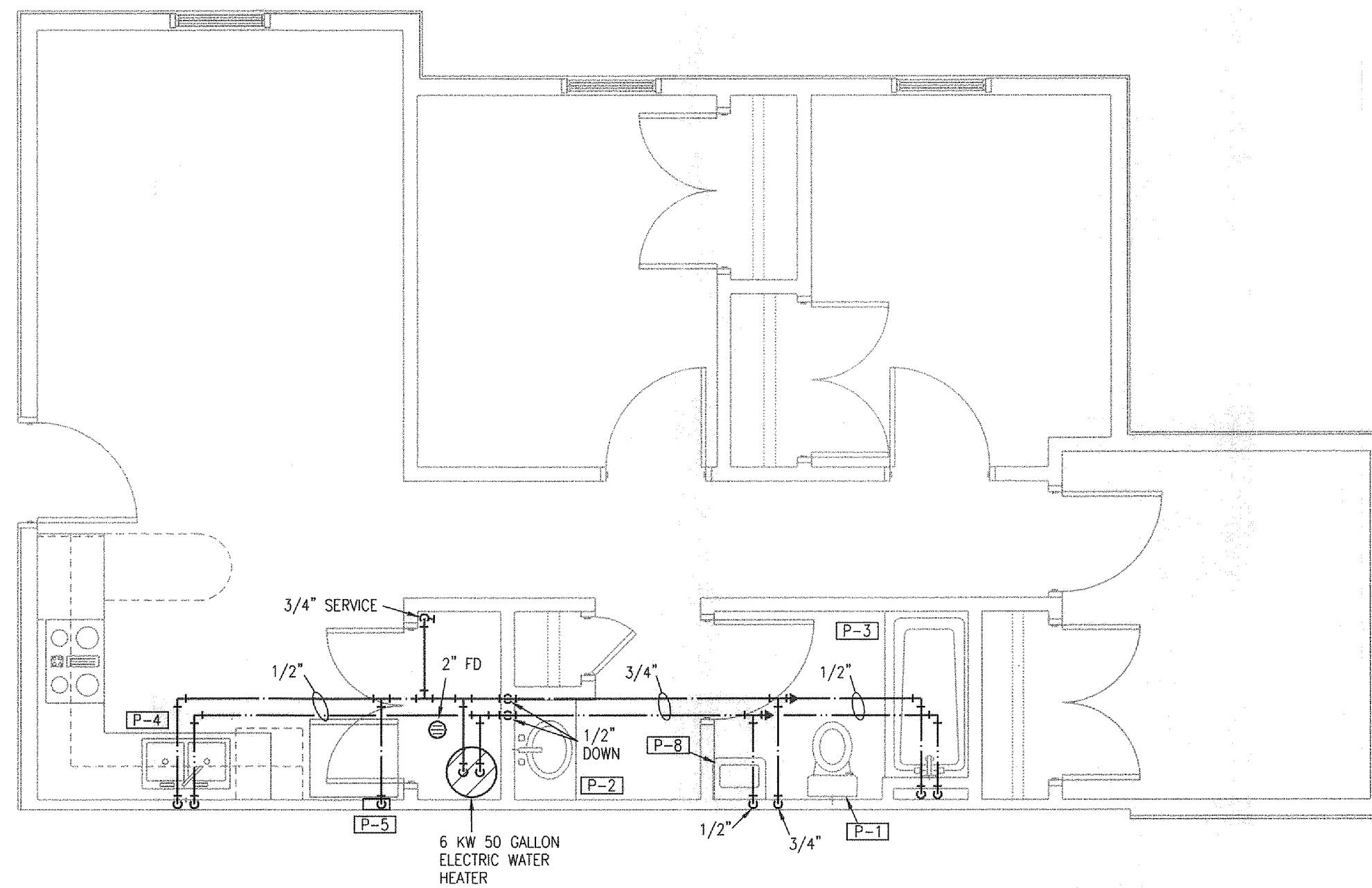
PARTIAL THIRD FLOOR PLAN
1/8" = 1'-0" POWER



TYPICAL 2 BED/2 PERSON APARTMENT - TYPE A UNIT PLAN
 1/4"=1'-0" PLUMBING



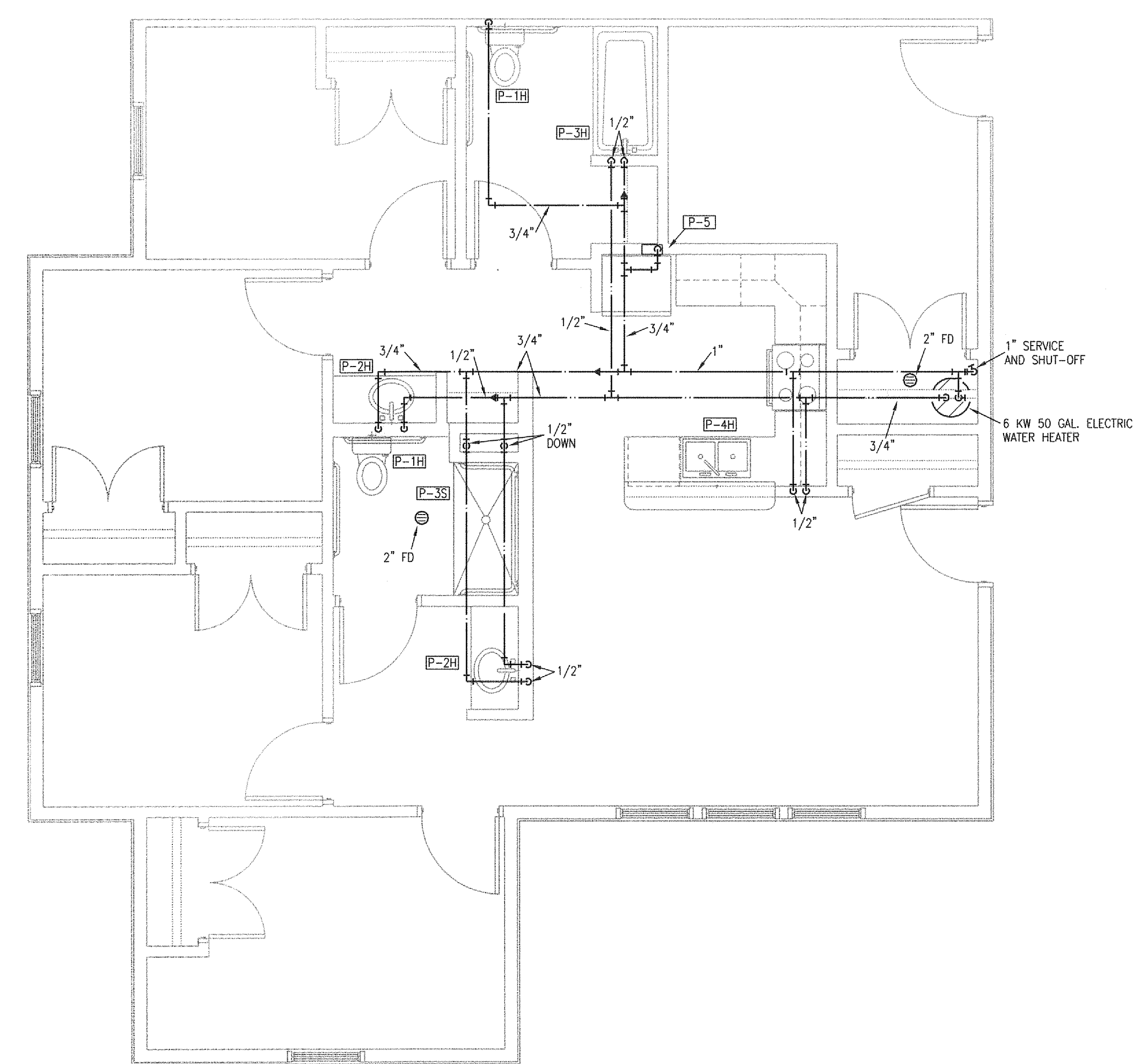
TYPICAL 2 BED/2 PERSON APARTMENT - TYPE B UNIT PLAN
 1/4"=1'-0" PLUMBING



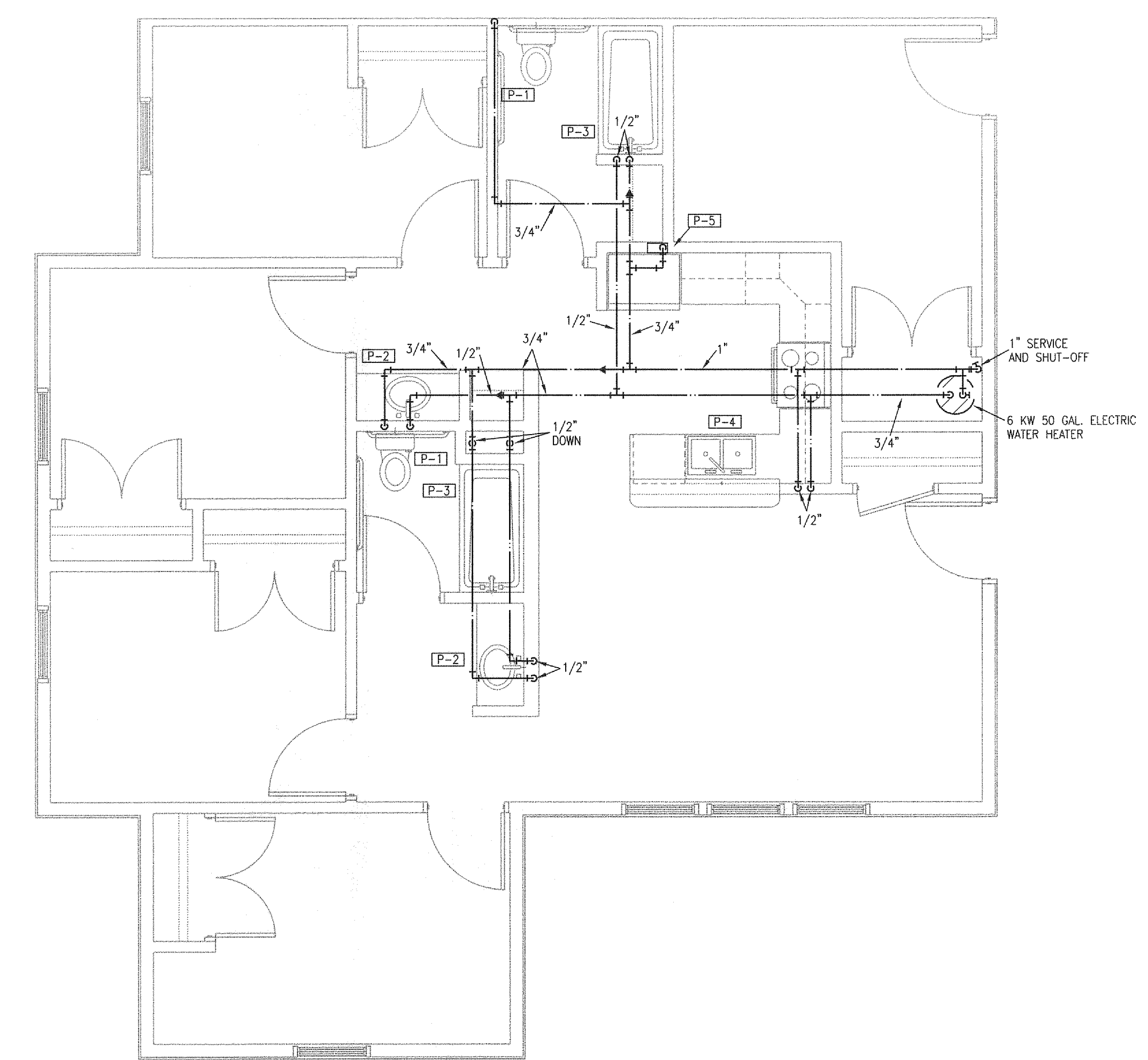
TYPICAL 3 BED/3 PERSON APARTMENT PLAN
 1/4"=1'-0" PLUMBING

- NOTES:**
1. SUPPLY PIPING SHALL BE IN CEILINGS OF LOWER FLOORS AND BELOW FLOOR ON TOP FLOORS.
 2. ROUTE SUPPLY PIPING DOWN IN INTERIOR WALLS AS APPOSED TO EXTERIOR OR BREEZEWAY TYPE.
 3. CONNECT DISHWASHERS AND ICE MAKERS WITH COPPER TUBE. CONNECT WASHERS WITH STAINLESS STEEL BRAIDED HOSE.

- NOTES:**
1. SUPPLY PIPING SHALL BE IN CEILINGS OF LOWER FLOORS AND BELOW FLOOR ON TOP FLOORS.
 2. ROUTE SUPPLY PIPING DOWN IN INTERIOR WALLS AS APPOSED TO EXTERIOR OR BREEZEWAY TYPE.
 3. CONNECT DISHWASHERS AND ICE MAKERS WITH COPPER TUBE. CONNECT WASHERS WITH STAINLESS STEEL BRAIDED HOSE.



TYPICAL 4 BED/4 PERSON APARTMENT - TYPE A UNIT PLAN
1/4" = 1'-0" PLUMBING



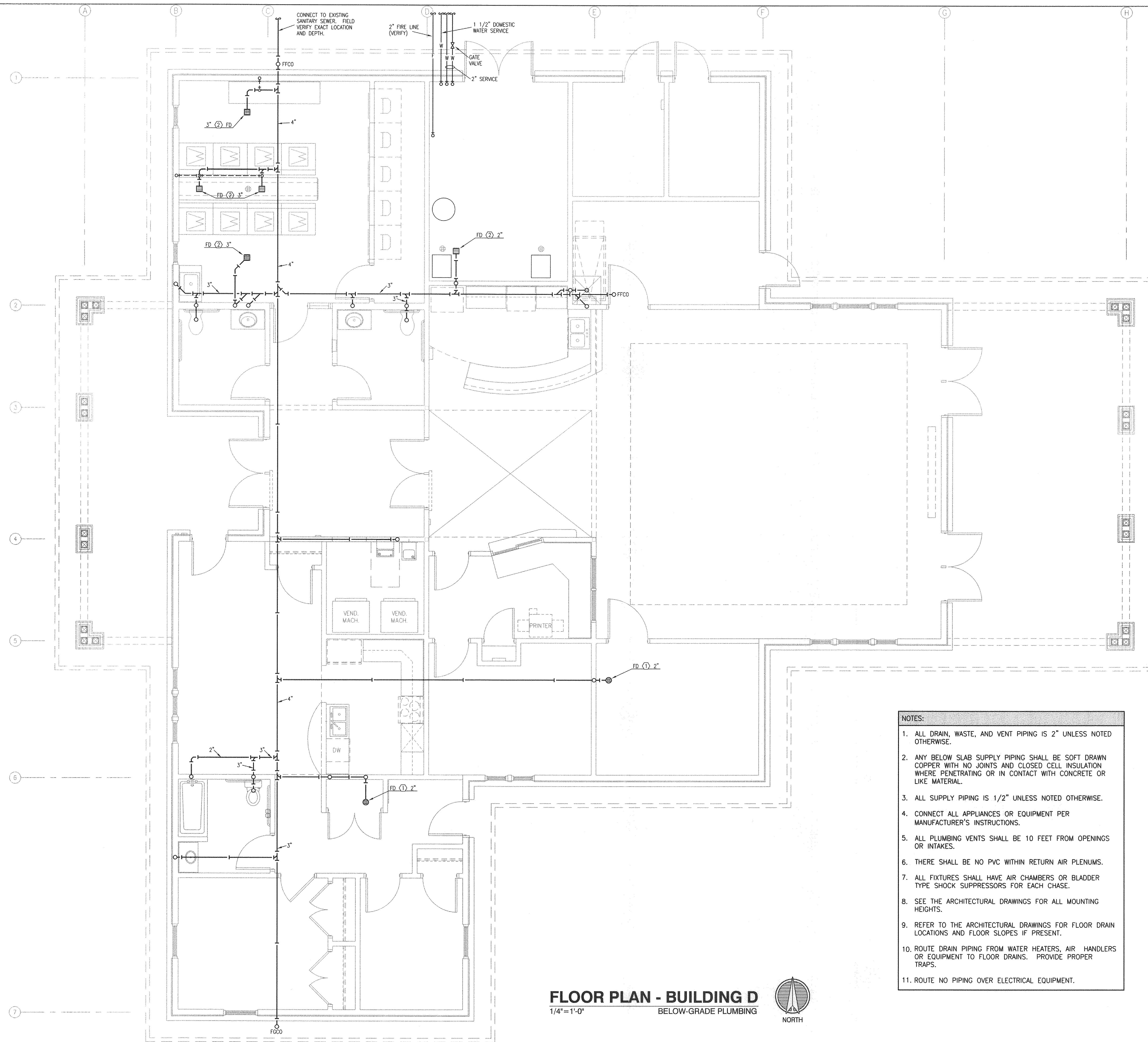
TYPICAL 4 BED/4 PERSON APARTMENT PLAN
1/4" = 1'-0" PLUMBING

PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

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TYPICAL UNIT PLANS -
PLUMBING

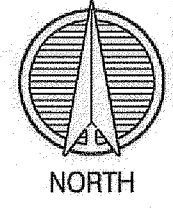
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- NOTES:**
1. ALL DRAIN, WASTE, AND VENT PIPING IS 2" UNLESS NOTED OTHERWISE.
 2. ANY BELOW SLAB SUPPLY PIPING SHALL BE SOFT DRAWN COPPER WITH NO JOINTS AND CLOSED CELL INSULATION WHERE PENETRATING OR IN CONTACT WITH CONCRETE OR LIKE MATERIAL.
 3. ALL SUPPLY PIPING IS 1/2" UNLESS NOTED OTHERWISE.
 4. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
 5. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
 6. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
 7. ALL FIXTURES SHALL HAVE AIR CHAMBERS OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
 8. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
 9. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT.
 10. ROUTE DRAIN PIPING FROM WATER HEATERS, AIR HANDLERS OR EQUIPMENT TO FLOOR DRAINS. PROVIDE PROPER TRAPS.
 11. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.

FLOOR PLAN - BUILDING D
 1/4"=1'-0"
 BELOW-GRADE PLUMBING



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 ARKANSAS
 WILLIAM R. BASSSETT
 No. 6926
 4-12-08

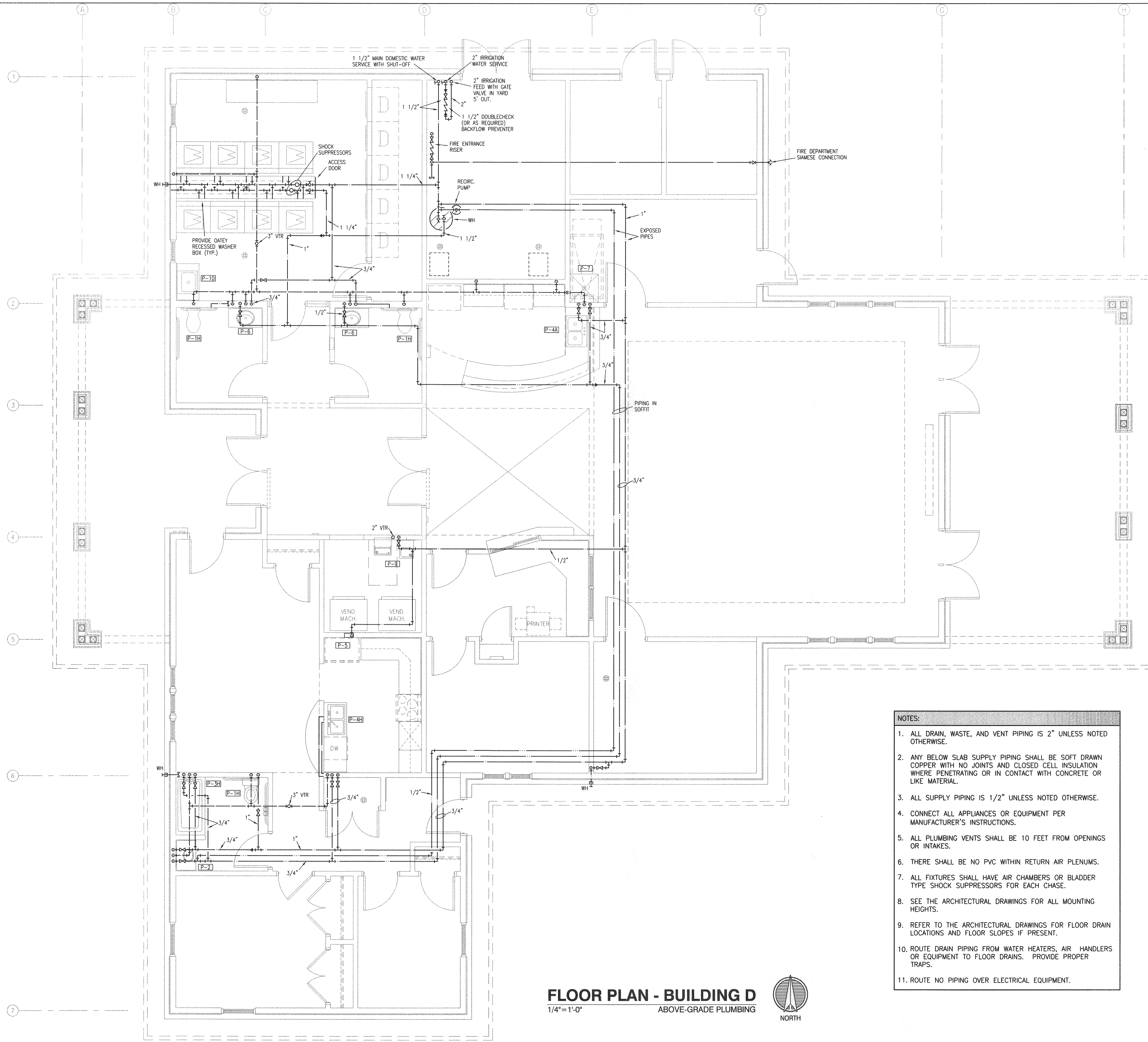
PROJECT/TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

CONTENTS
FLOOR PLAN - BUILDING D -
BELOW-GRADE PLUMBING

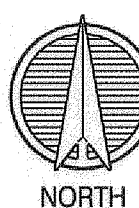
SHEET	DATE	REVISIONS
	3-25-08	JOB #
		07-047

WITTENBERG, DELONY & DAVIDSON, INC.

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FLOOR PLAN - BUILDING D
 ABOVE-GRADE PLUMBING
 1/4" = 1'-0"



- NOTES:**
1. ALL DRAIN, WASTE, AND VENT PIPING IS 2" UNLESS NOTED OTHERWISE.
 2. ANY BELOW SLAB SUPPLY PIPING SHALL BE SOFT DRAWN COPPER WITH NO JOINTS AND CLOSED CELL INSULATION WHERE PENETRATING OR IN CONTACT WITH CONCRETE OR LIKE MATERIAL.
 3. ALL SUPPLY PIPING IS 1/2" UNLESS NOTED OTHERWISE.
 4. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
 5. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
 6. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
 7. ALL FIXTURES SHALL HAVE AIR CHAMBERS OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
 8. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
 9. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT.
 10. ROUTE DRAIN PIPING FROM WATER HEATERS, AIR HANDLERS OR EQUIPMENT TO FLOOR DRAINS. PROVIDE PROPER TRAPS.
 11. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.

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WITTENBERG, DELONY & DAVIDSON, INC.

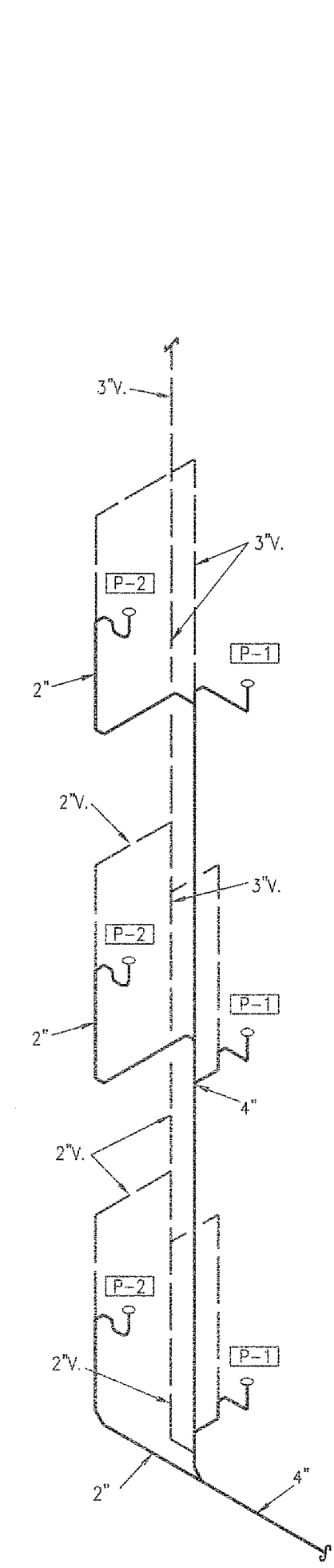
PROJECT TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

CONTENTS
FLOOR PLAN - BUILDING D -
ABOVE-GRADE PLUMBING

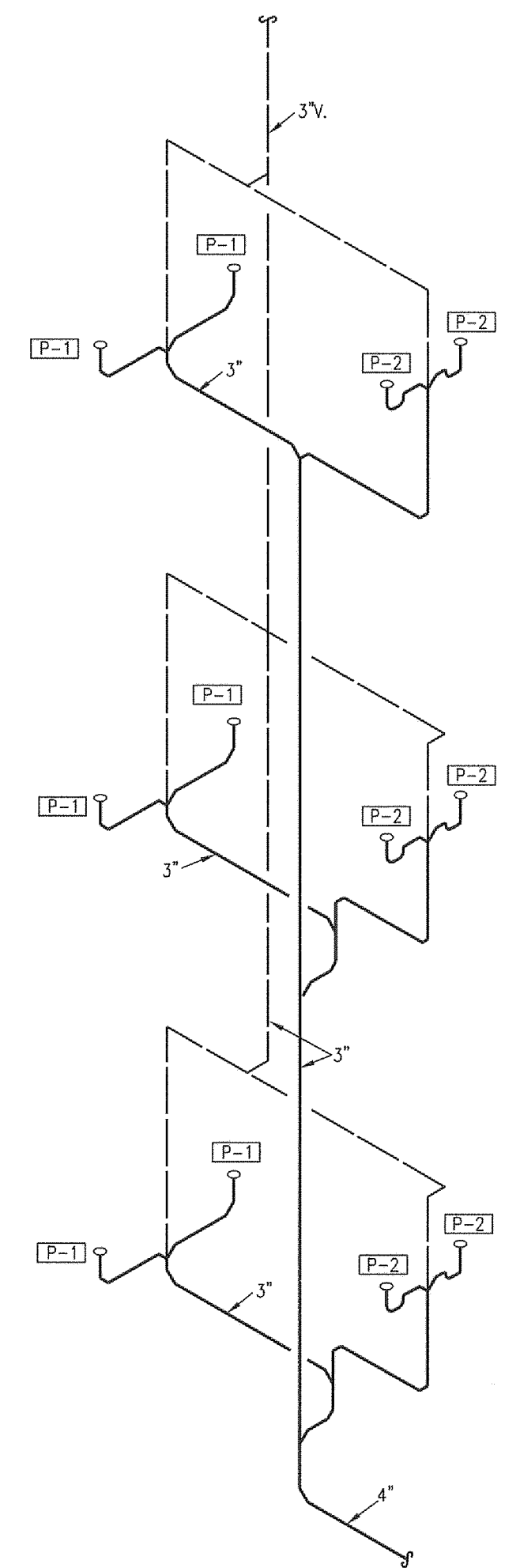
REVISIONS

DATE 3-25-08
 JOB # MI.04
 SHEET 07-047

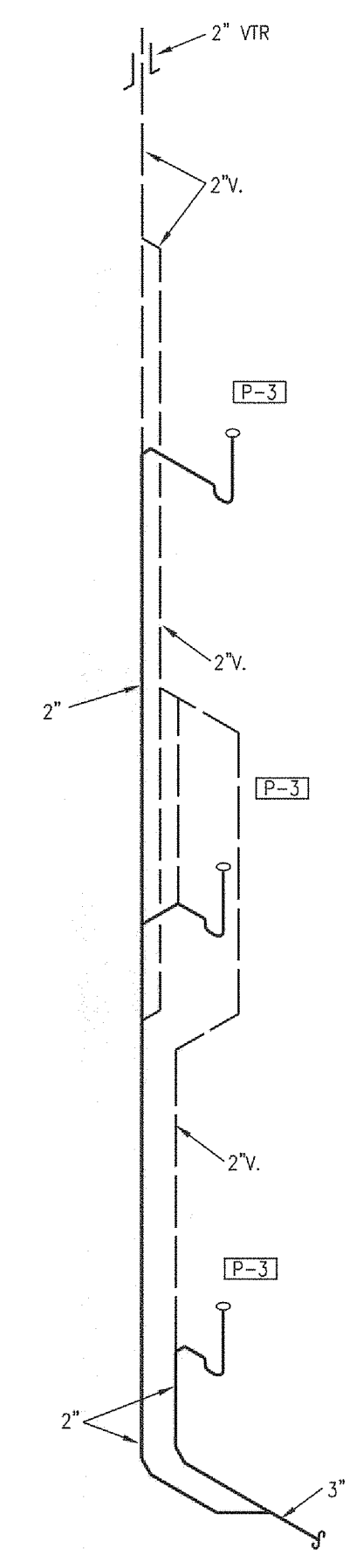
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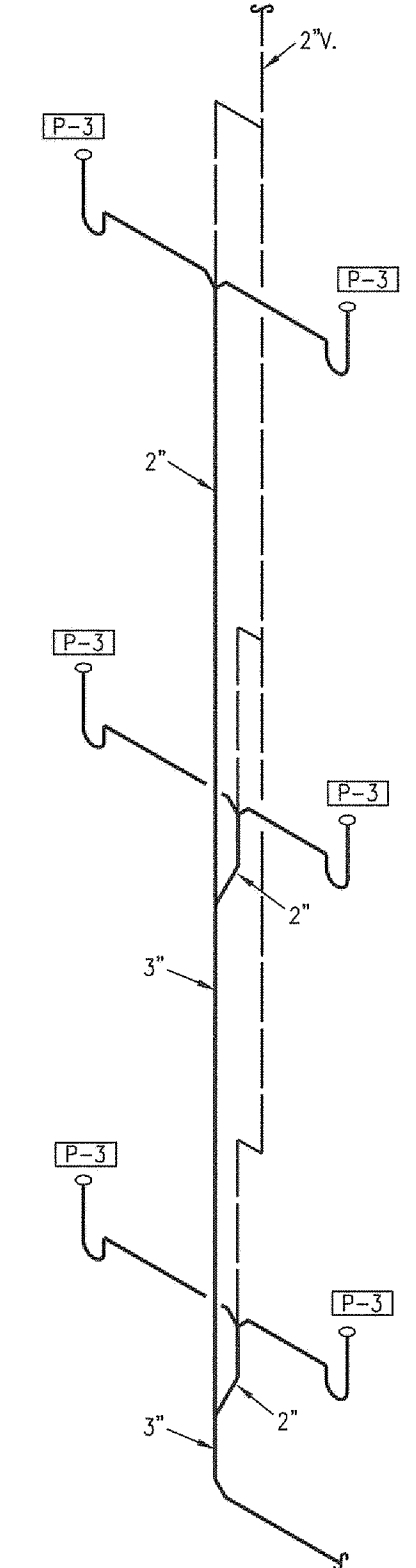
A PLUMBING RISER
 NO SCALE



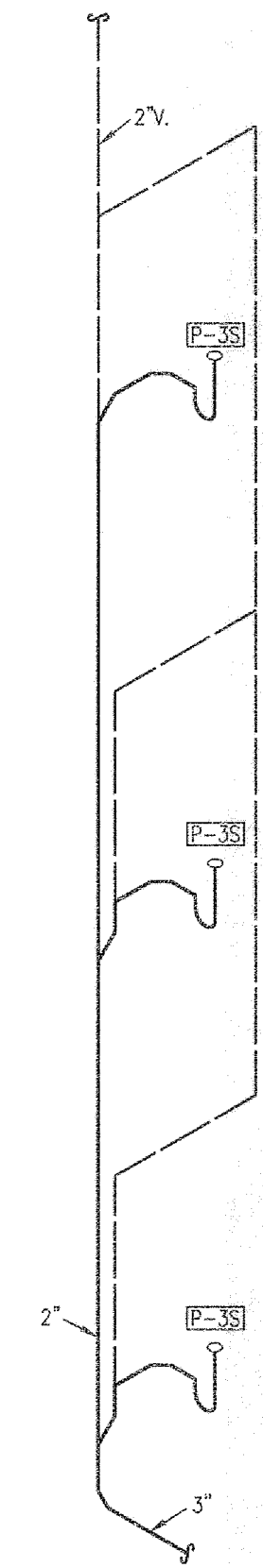
A2 PLUMBING RISER
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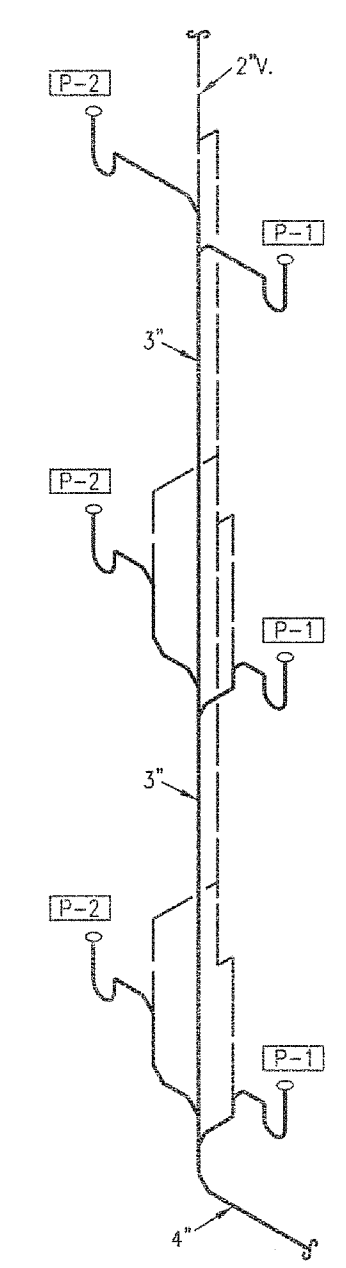
B PLUMBING RISER
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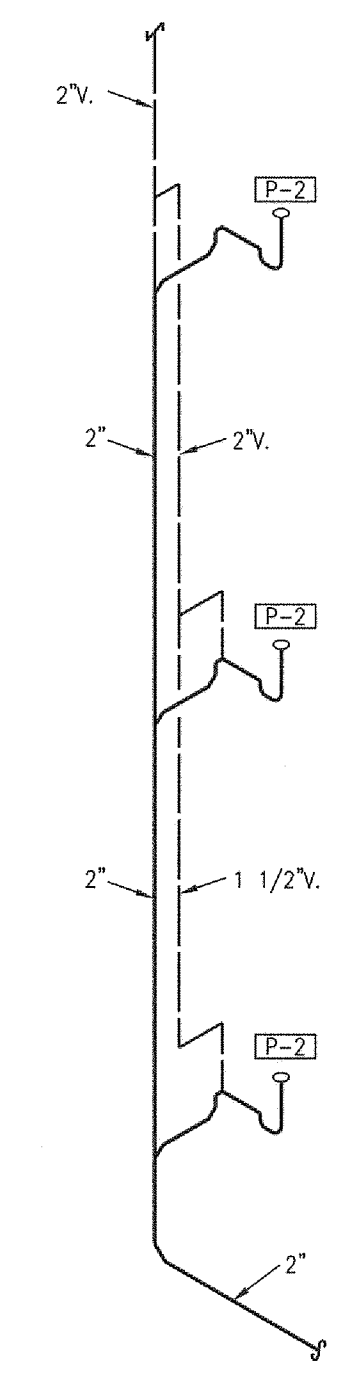
B2 PLUMBING RISER
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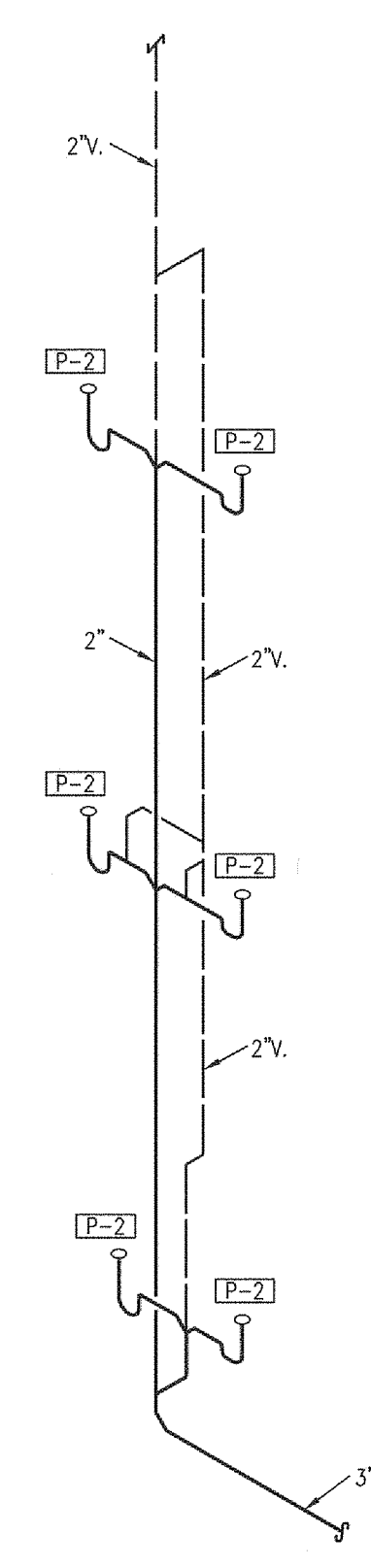
B3 PLUMBING RISER
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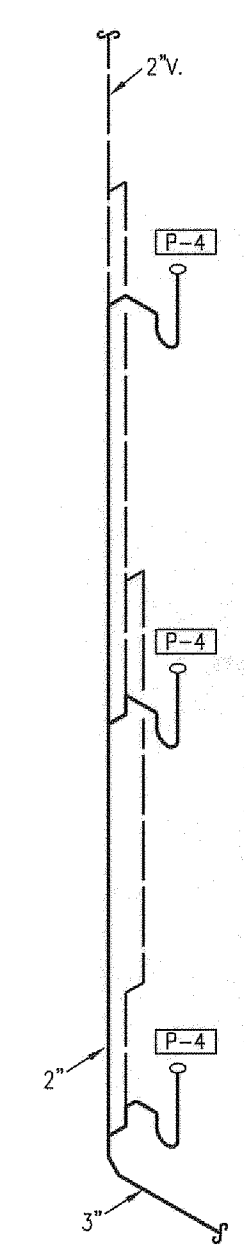
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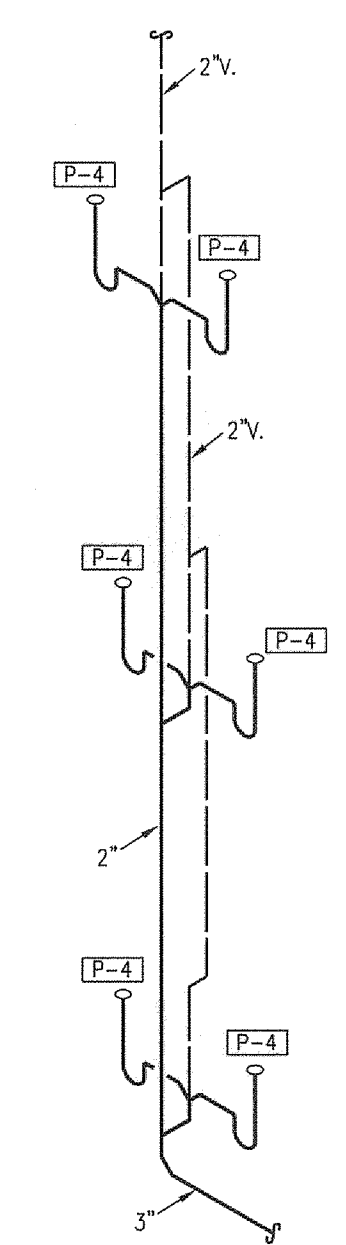
D PLUMBING RISER
 NO SCALE



D2 PLUMBING RISER
 NO SCALE



E PLUMBING RISER
 NO SCALE



E2 PLUMBING RISER
 NO SCALE



PLUMBING FIXTURE SCHEDULE:

TYPE "P-1": WATER CLOSET: AMERICAN STANDARD 2333.100 VITREOUS CHINA, REGULAR RIM BOWL, SIPHON JET ACTION WATER CLOSET AND 1.6 GPF. PROVIDE REGULAR RIM SOLID PLASTIC SEAT WITH COVER, ANGLE STOP AND FLEX RISER.

TYPE "P-1H": WATER CLOSET, TANK TYPE, HANDICAP: AMERICAN STANDARD #2168.100 VITREOUS CHINA, ELONGATED RIM BOWL, SIPHON JET ACTION WATER CLOSET AND 1.6 GPF. PROVIDE ELONGATED RIM, CLOSED FRONT SOLID PLASTIC SEAT WITH COVER, ANGLE STOP, FLEX RISER.

TYPE "P-2": LAVATORY: AMERICAN STANDARD 0491.44 VITREOUS CHINA 21"x17" SELF-RIMMING COUNTER TOP SINK WITH AMERICAN STANDARD #2385.003 SINGLE HANDLE FAUCET AND POP-UP. FOR P-2H HANDICAP ACCESSIBLE UNITS, PROVIDE SAME UNIT WITH ADA LEVER HANDLE, POP UP, GUARDS FOR P-TRAP, SUPPLIES.

TYPE "P-3": LASCO #2603-30M TUB/SHOWER, FIBERGLASS REINFORCED POLYESTER ENCLOSURE WITH GRAB BAR, SOAP LEDGES. PROVIDE CURTAIN/ROD, CHROME DRAIN. PROVIDE DELTA #1448-LHP PRESSURE BALANCED VALVE, SHOWERHEAD, TUB SPOUT, LEVER HANDLE.

TYPE "P-3H": ACCESSIBLE TUB/SHOWER: MOUNT VALVE PER ADA. LASCO #2603-SME TUB/SHOWER, FIBERGLASS REINFORCED POLYESTER, WHITE WITH CHROME DRAIN, DELTA #T13H153 SHOWER/HAND SHOWER, DIVERTER SPOUT, SLIDING BAR, VACUUM BREAKER. PROVIDE CURTAIN/ROD.

TYPE "P-3S": LASCO #1603-BFSC FIBERGLASS REINFORCED POLYESTER, WHITE WITH CHROME DRAIN, 62"x36 1/4"x76 7/8". PROVIDE CURTAIN ROD AND DELTA #T13H153 SHOWER/HAND SHOWER, DIVERTER SPOUT, SLIDING BAR, VACUUM BREAKER. PROVIDE COLLAPSIBLE RUBBER THRESHOLD.

TYPE "P-4": KITCHEN SINK: ELKAY CR 3321 7" DEEP DOUBLE COMPARTMENT STAINLESS STEEL WITH LK 35 STRAINER, DELTA #400 FAUCET WITH SPRAY, ISE BADGER-1 1/3 HP DISPOSER, ANGLE STOPS, FLEX RISERS. EQUIVALENT BY POLAR #332 8, STERLING.

TYPE "P-4A": KITCHEN SINK: ELKAY CR 3321 7" DEEP DOUBLE COMPARTMENT STAINLESS STEEL WITH LK 35 STRAINER, DELTA #400 FAUCET WITH SPRAY, ANGLE STOPS, FLEX RISERS. EQUIVALENT BY POLAR #332 8, STERLING.

TYPE "P-4H": KITCHEN SINK (ACCESSIBLE UNITS): ELKAY LRADQ 332 5 1/2" DEEP DOUBLE COMPARTMENT, SHALLOW BACK OUTLET STAINLESS STEEL WITH LK 35 STRAINER, DELTA #400 FAUCET WITH SPRAY, ISE BADGER 1 1/3 HP DISPOSER, ANGLE STOPS, FLEX RISERS, ANGLE TAILPIECE, INSULATED HW SUPPLY AND P-TRAP. EQUIVALENT BY POLAR, STERLING.

TYPE "P-5": REFRIGERATOR SUPPLY: PROVIDE RECESSED BOX WITH ONE ANGLE WATER VALVE AND COPPER TUBE CONNECTED TO ICE MAKER IN REFRIGERATOR.

TYPE "P-6": LAVATORY, COUNTERTOP: AMERICAN STANDARD #0476.028, WHITE VITREOUS CHINA, 20x17 SELF-RIMMING BASIN WITH FAUCET HOLES ON, 4" CENTERS. PROVIDE #2385.003 LEVER HANDLE FAUCET, GRID DRAIN, CHROME FINISH.

TYPE "P-7": JANITORS SINK: FIAT MSB-2424 MOLDED STONE BASIN WITH STAINLESS STEEL INTEGRAL DRAIN BODY, #830-AA FAUCET, STAINLESS STEEL WALL GUARDS, BUMPER.

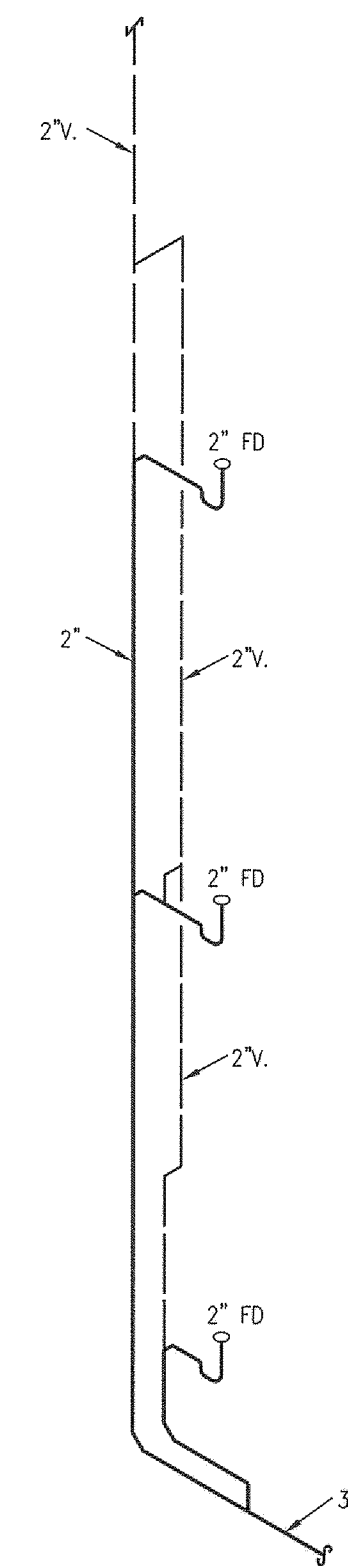
TYPE "P-8": ADA COMPLIANT LAVATORY: AMERICAN STANDARD #0355.012, WHITE VITREOUS CHINA, WALL HUNG LAVATORY 20"x18" WITH 4" BACK FOR USE WITH CONCEALED ARM HANGER. FAUCET HOLES ON 4" CENTERS. PROVIDE CONCEALED ARM CARRIER. MOUNT TOP OF RIM AT 34" AFF. DELTA #520 FAUCET AND POP-UP. PROVIDE WITH CHROME PLATED BRASS TAILPIECE, P-TRAP, HANDLE STOPS, FLEXIBLE RISERS, WITH SQUARE TUBULAR STEEL UP-RIGHTS AND BLOCK TYPE BASES, INSULATED EXPOSED TAILPIECE, P-TRAP AND WATER RISERS. REFER TO SPECIFICATIONS FOR INSTALLATION METHODS.

TYPE "P-9": ADA COMPLIANT DUAL HEIGHT ELECTRIC WATER COOLER: BARRIER FREE WATER COOLER PROVIDING 8 GPM OF 50 DEGREE WATER AT 90 DEGREE AMBIENT. FROM AND SIDE PUSHBARS, ADA COMPLIANT, LEAD FREE. MOUNT WITH 27" KNEE CLEARANCE AND SPOUT AT NO MORE THAN 36" AFF. PROVIDE CONCEALED ARM TYPE CARRIER WITH SQUARE TUBULAR STEEL UP-RIGHTS AND BLOCK TYPE BASES.

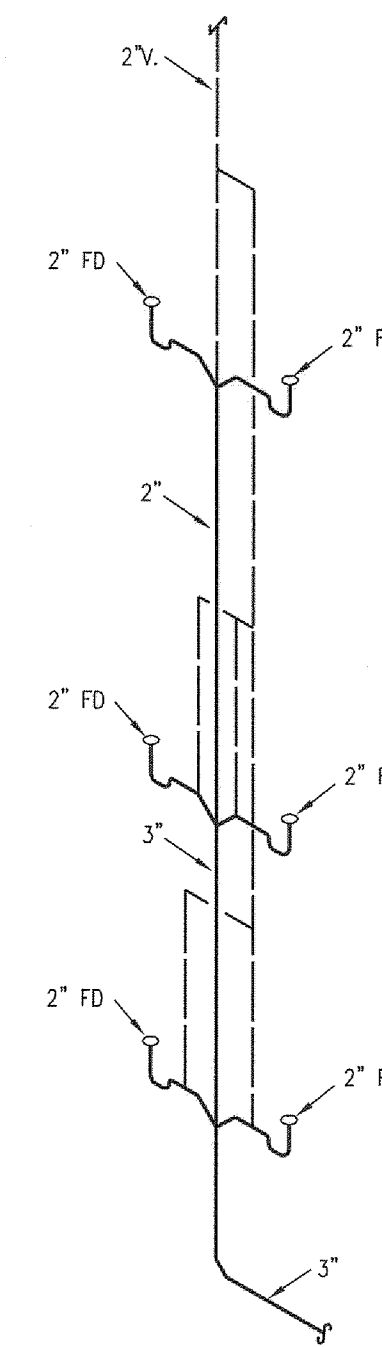
TYPE "P-10": SINGLE COMPARTMENT SINK, ELKAY #DLH22210C. SEAMLESS #18 GAUGE, TYPE 302 (18-8) NICKEL BEARING STAINLESS STEEL. LK-6K-H SATIN FINISH FULLY UNDERCOATED, HOLES AT 4" O.C., 7 1/2" BOWL DEPTH. 1 3/4" RADIUS COVED CORNERS, SELF RIMMING. CENTERSET GOOSENECK FAUCET, AMERICAN STANDARD #7500.140. PROVIDE WITH METAL LEVER HANDLES, 1/2" CONNECTIONS, WITHOUT DRAIN AND POP-UP HOLE. POLISHED CHROME FINISH. PROVIDE CHROME PLATED BRASS TAILPIECE, BASKET STRAINER AND DRAIN. PROVIDE CHROME PLATED BRASS P-TRAP, HANDLE STOPS AND FLEXIBLE RISERS.

NOTES:
1. ALL WASTE AND VENTS 2" UNLESS NOTED OTHERWISE.

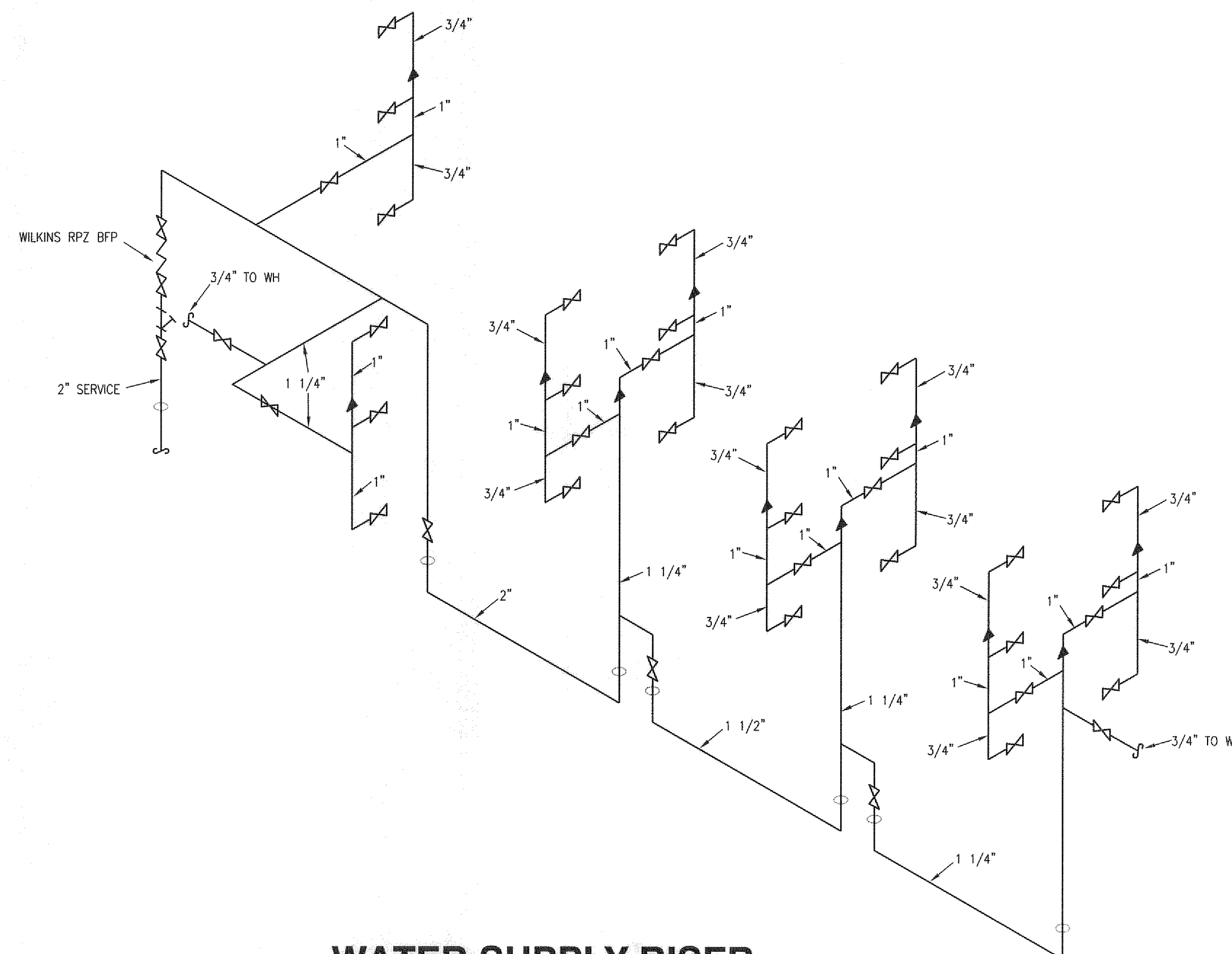
INDIVIDUAL WASTE/VENT SIZES				
MARK	FIXTURE	WASTE	VENT	SUPPLY
P-1	TANK TYPE WATER CLOSET	3"	2"	1/2"
P-2	LAVATORY	2"	2"	1/2"
P-3	TUB/SHOWER	1 1/2"	1 1/2"	1/2"
P-4	KITCHEN SINK	2"	2"	1/2"
P-5	WASHER BOX	2"	2"	1/2"
P-6	REFR. ICEMAKER	--	--	1/2"



F PLUMBING RISER
NO SCALE



F2 PLUMBING RISER
NO SCALE



WATER SUPPLY RISER
NO SCALE

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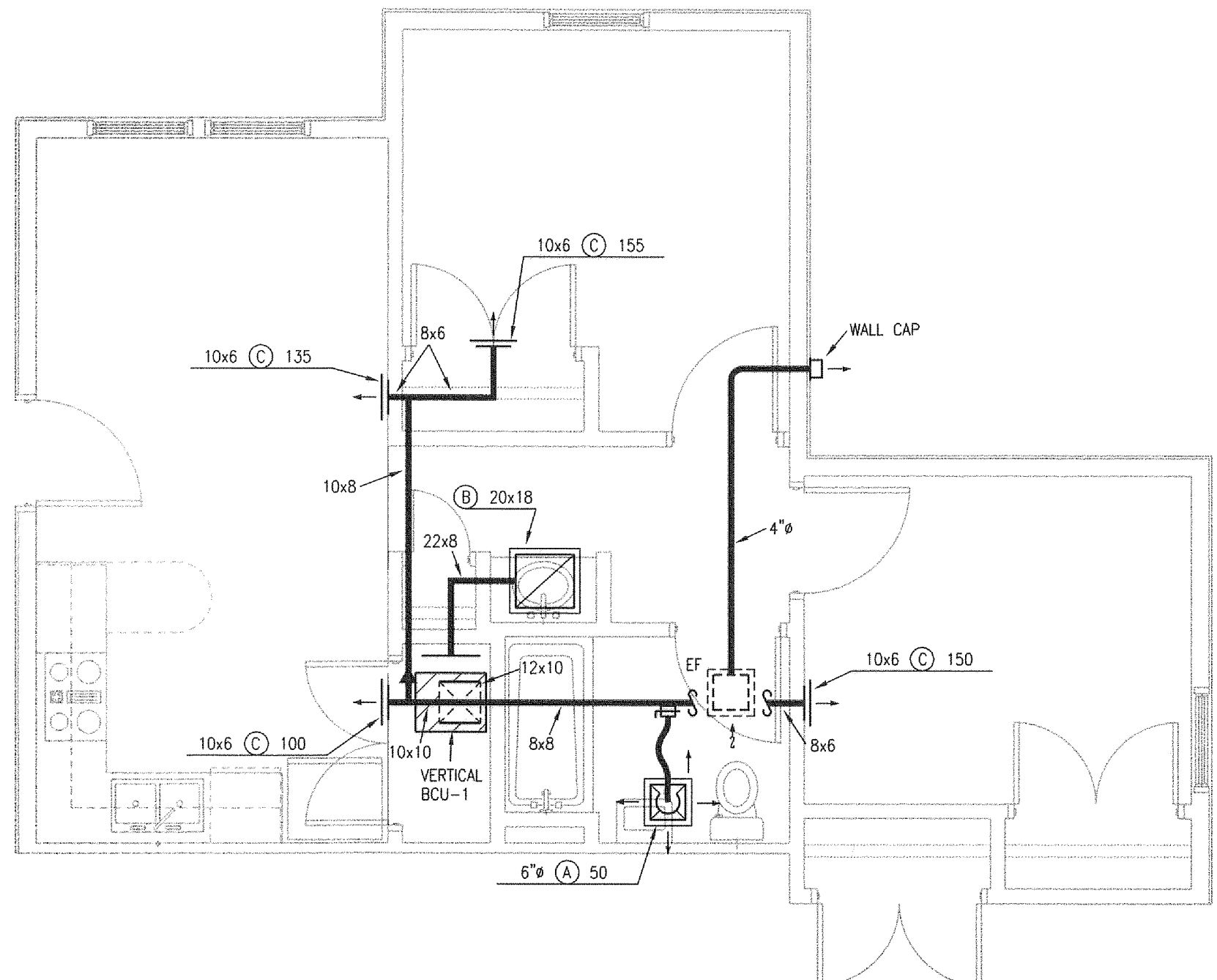
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4-24-08

Student Apartments
Arkansas State University
Jonesboro, Arkansas

PROJECT TITLE
PLUMBING RISERS

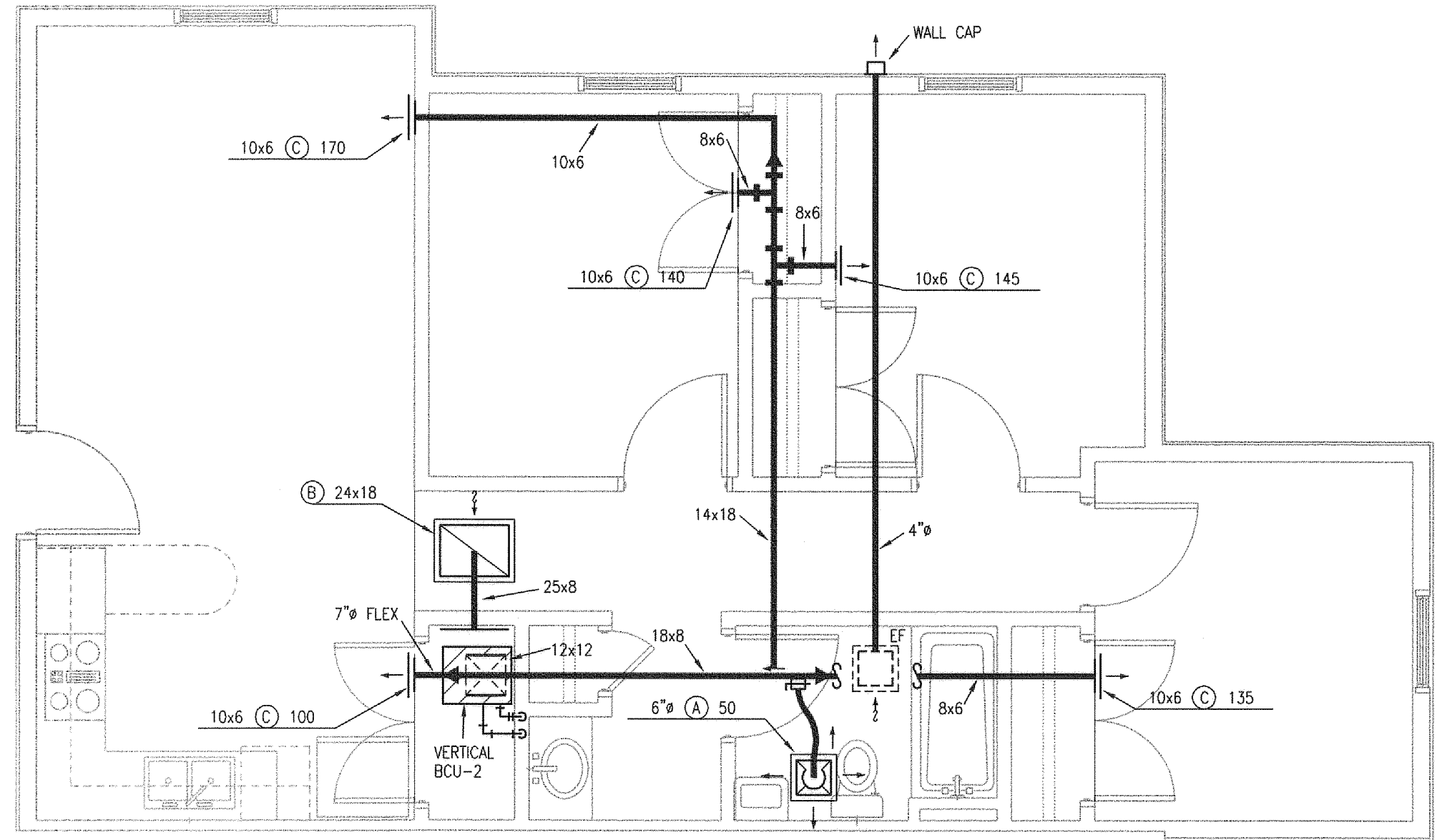
REVISIONS
DATE 3-25-08
JOB # 07-047

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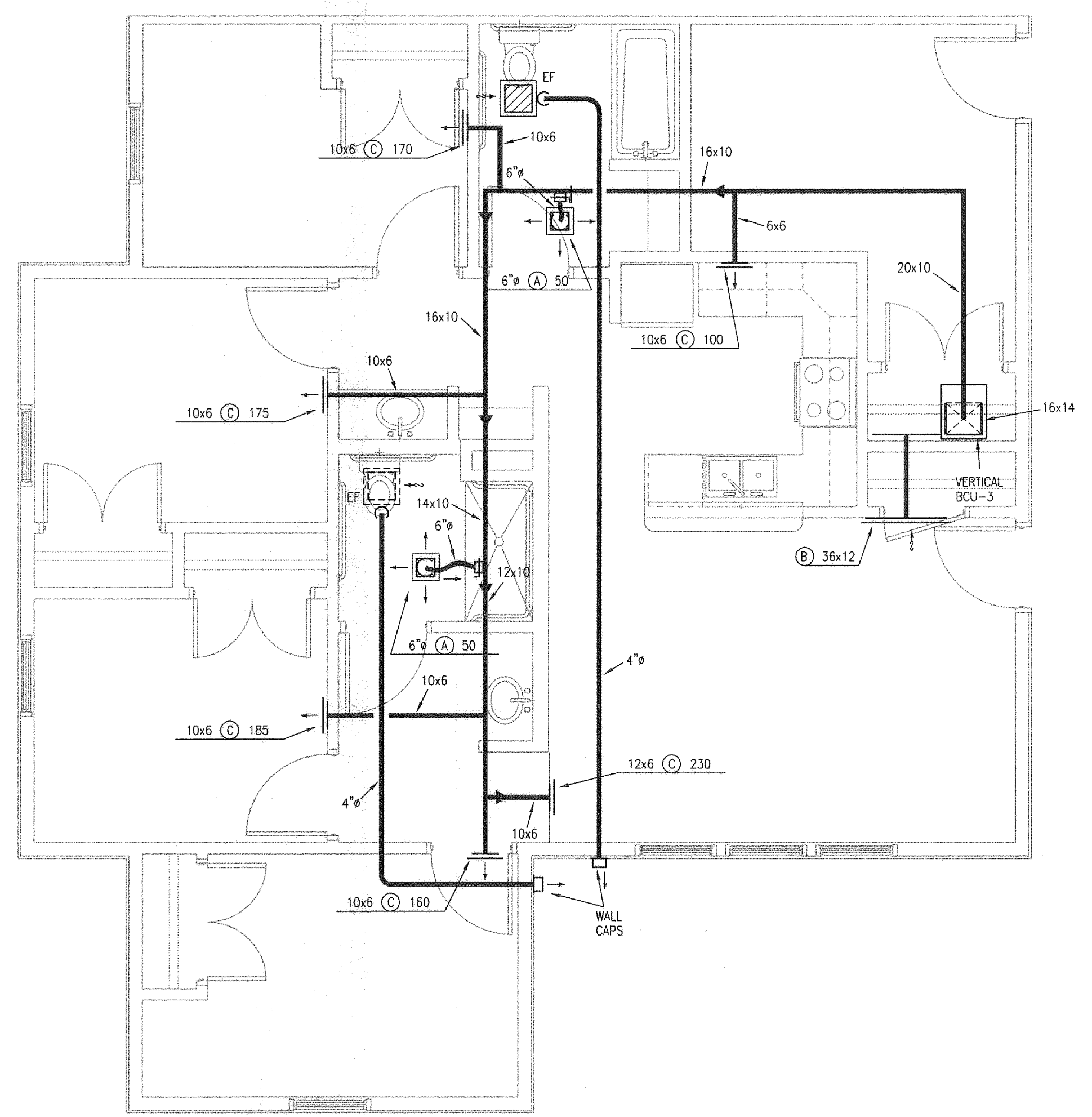


TYPICAL 2 BED/2 PERSON APARTMENT PLAN
1/4" = 1'-0" HVAC

AIR TERMINAL DEVICE SCHEDULE						
MARK	MANUFACTURER	MODEL NUMBER	FINISH	DAMPER	FRAME TYPE	REMARKS
(A)	PRICE	AMD/6/4A/B12	WHITE	NO	GYP. BD.	
(B)	PRICE	635/N/L/A/B12	WHITE	NO	GYP. BD.	
(C)	PRICE	620DAL/L/A/B12	WHITE	YES	GYP. BD.	
(D)	PRICE	AMD/3P/4A/B12	WHITE	NO	LAY-IN	24x24 PANEL
(E)	PRICE	635/TB/L/O/B12	WHITE	NO	LAY-IN	NO SCREWHOLES



TYPICAL 3 BED/3 PERSON APARTMENT PLAN
1/4" = 1'-0" HVAC



TYPICAL 4 BED/4 PERSON APARTMENT PLAN
1/4" = 1'-0" HVAC

PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

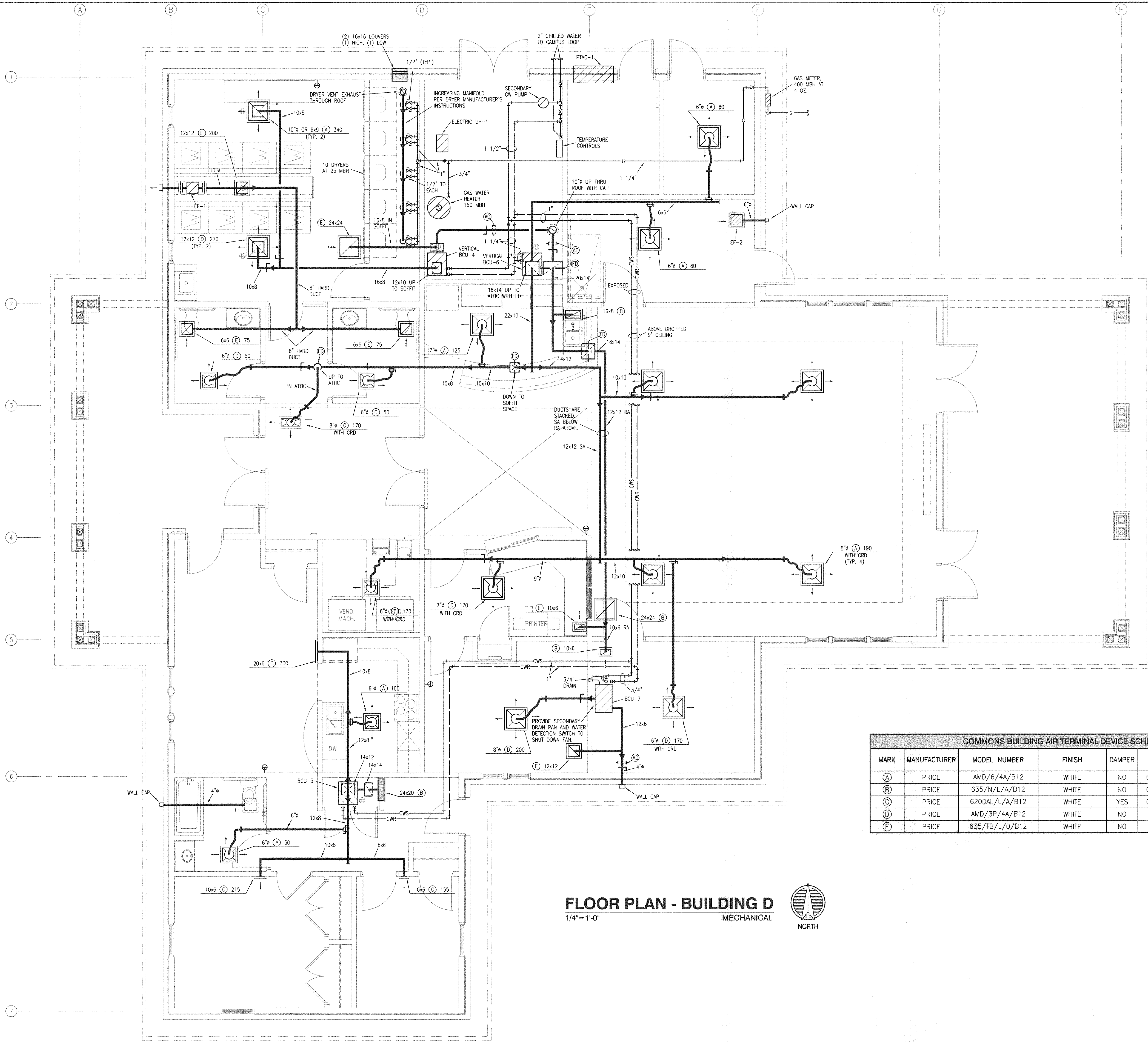
CONTENTS
TYPICAL UNIT PLANS -
HVAC

REVISIONS

DATE	DESCRIPTION
3-25-08	JOB #
07-047	

SHEET
M2.01

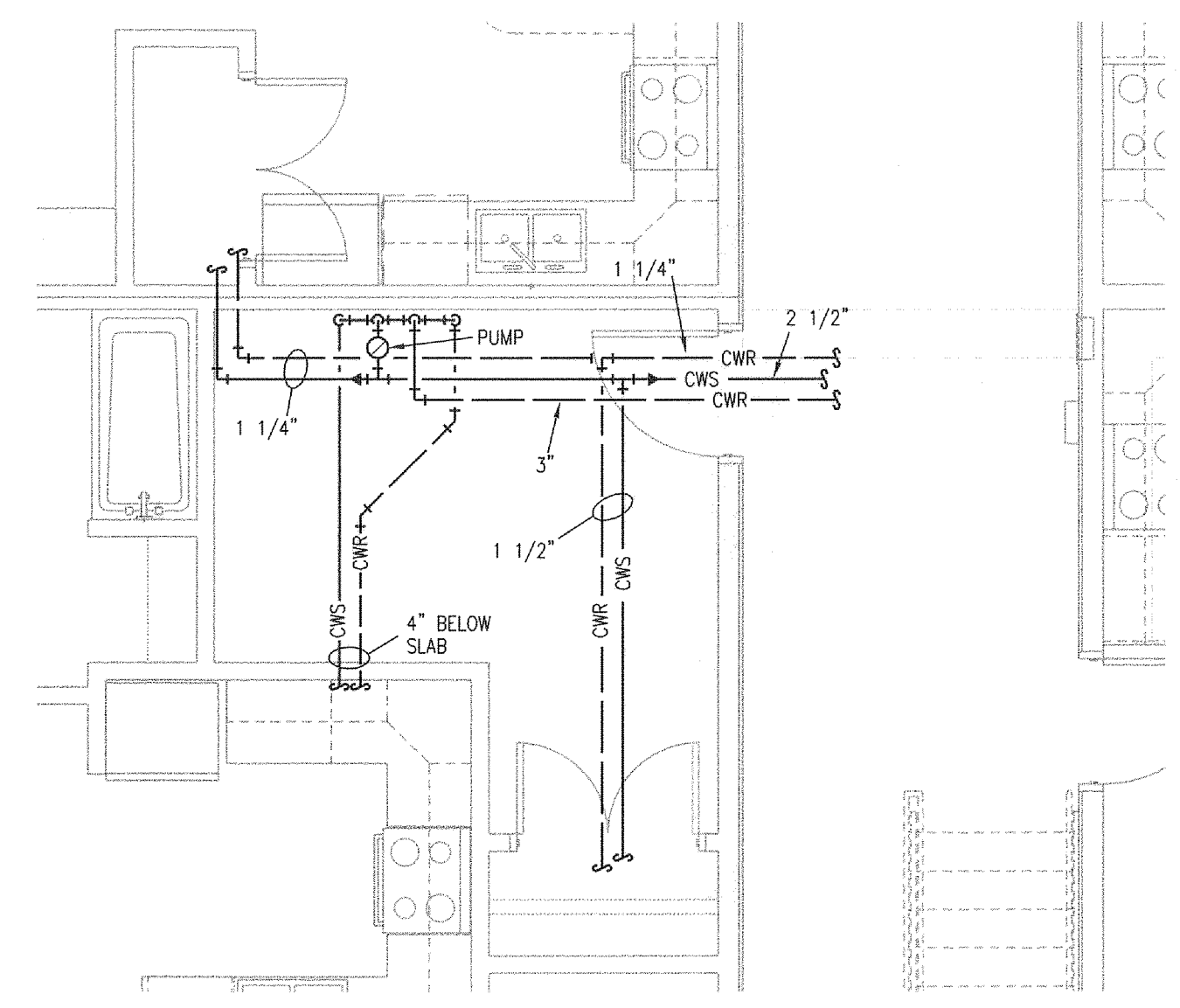
- NOTES:**
- SEE THE ARCHITECTURAL, LIGHTING, AND STRUCTURAL DRAWINGS FOR CLEARANCES.
 - MAINTAIN 3 FEET CLEARANCE IN EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
 - ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
 - FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 8 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.
 - ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
 - EF-1: GREENHECK #SP-A510 IN-LINE FAN PROVIDING 350 CFM AT 0.5" E.S.P. WITH FRACTIONAL HP, 120V, MOTOR, D.S., BACKDRAFT DAMPER, AND SPEED SWITCH.
EF-2: GREENHECK #SP-A250 CEILING FAN PROVIDING 200 CFM AT 0.25" E.S.P. WITH FRACTIONAL HP, 120V, MOTOR, D.S., BACKDRAFT DAMPER AND SPEED SWITCH.



COMMONS BUILDING AIR TERMINAL DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	FINISH	DAMPER	FRAME TYPE	REMARKS
(A)	PRICE	AMD/6/4A/B12	WHITE	NO	GYP. BD.	
(B)	PRICE	635/N/L/A/B12	WHITE	NO	GYP. BD.	
(C)	PRICE	620DAL/L/A/B12	WHITE	YES	GYP. BD.	
(D)	PRICE	AMD/3P/4A/B12	WHITE	NO	LAY-IN	24x24 PANEL
(E)	PRICE	635/TB/L/O/B12	WHITE	NO	LAY-IN	NO SCREWHOLES

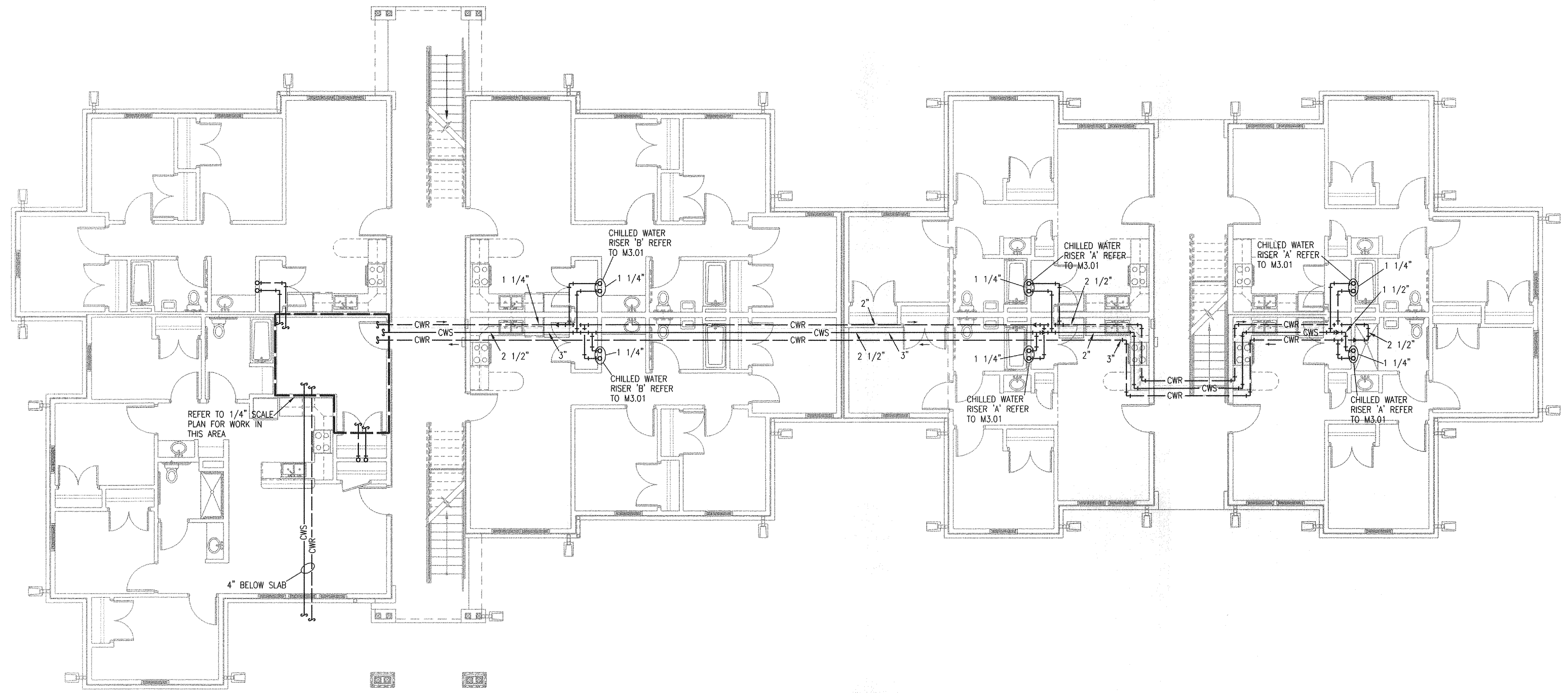
FLOOR PLAN - BUILDING D
1/4" = 1'-0"
MECHANICAL
NORTH



PARTIAL FIRST FLOOR PLAN
1/4"=1'-0" HVAC PIPING

NOTE:
SYSTEM TO BE DRAINED WHERE FREEZING TEMPERATURES ARE EXPECTED.

- NOTES:**
1. DRAWINGS ARE DIAGRAMATIC. KEEP ALL CHILLED WATER PIPING IN MECHANICAL CLOSETS.
 2. PROVIDE SEISMIC BRACING ON CW PIPING AT 50 FT. INTERVALS.
 3. INSULATE JOIST CAVITY WHERE CW CROSSES BREEZEWAYS.



TYPICAL FIRST FLOOR PLAN
1/8"=1'-0" HVAC PIPING

PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

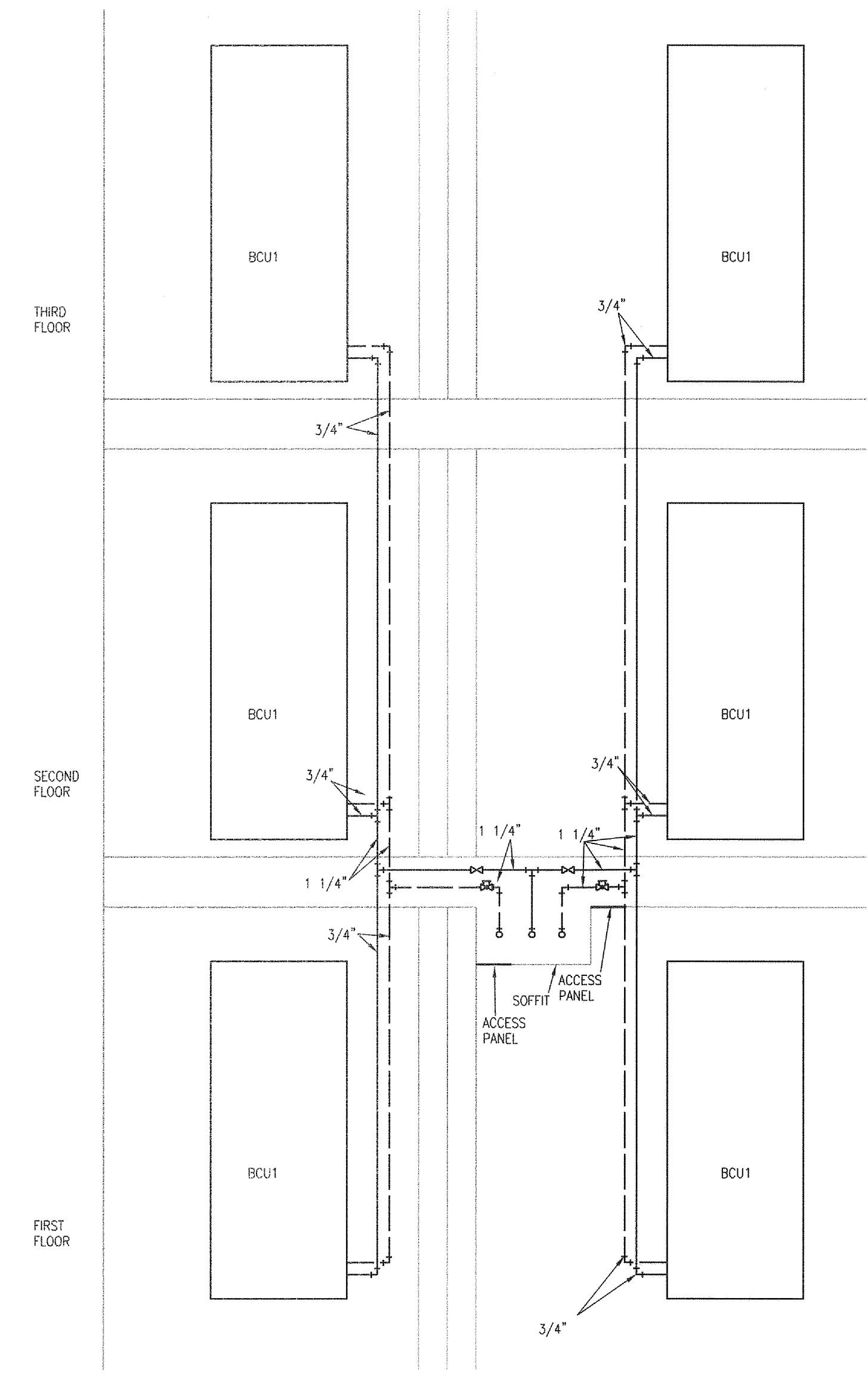
CONTENTS
TYPICAL FIRST FLOOR PLAN - BUILDINGS A, B & C - HVAC PIPING

REVISIONS

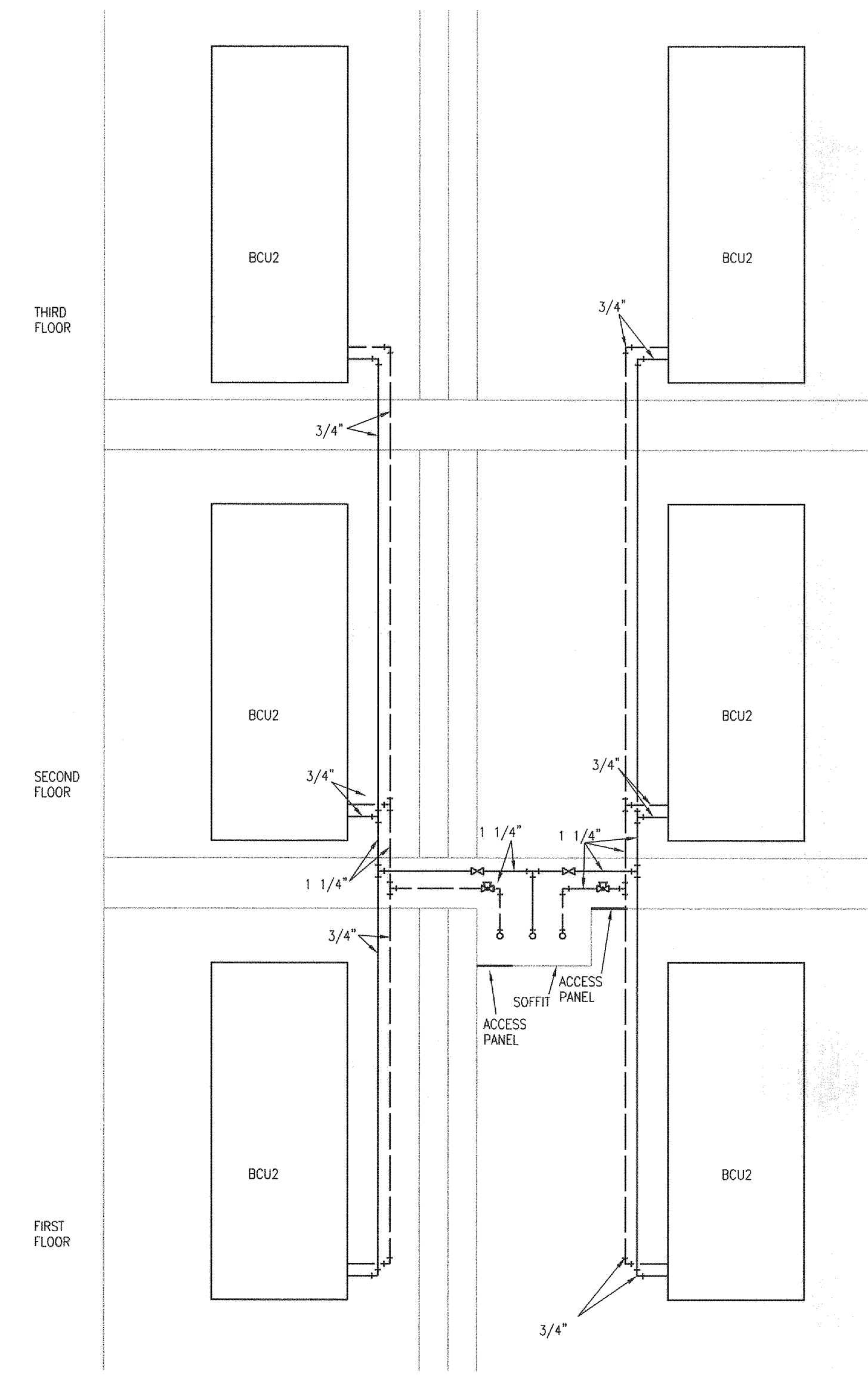
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JOB # 07-047

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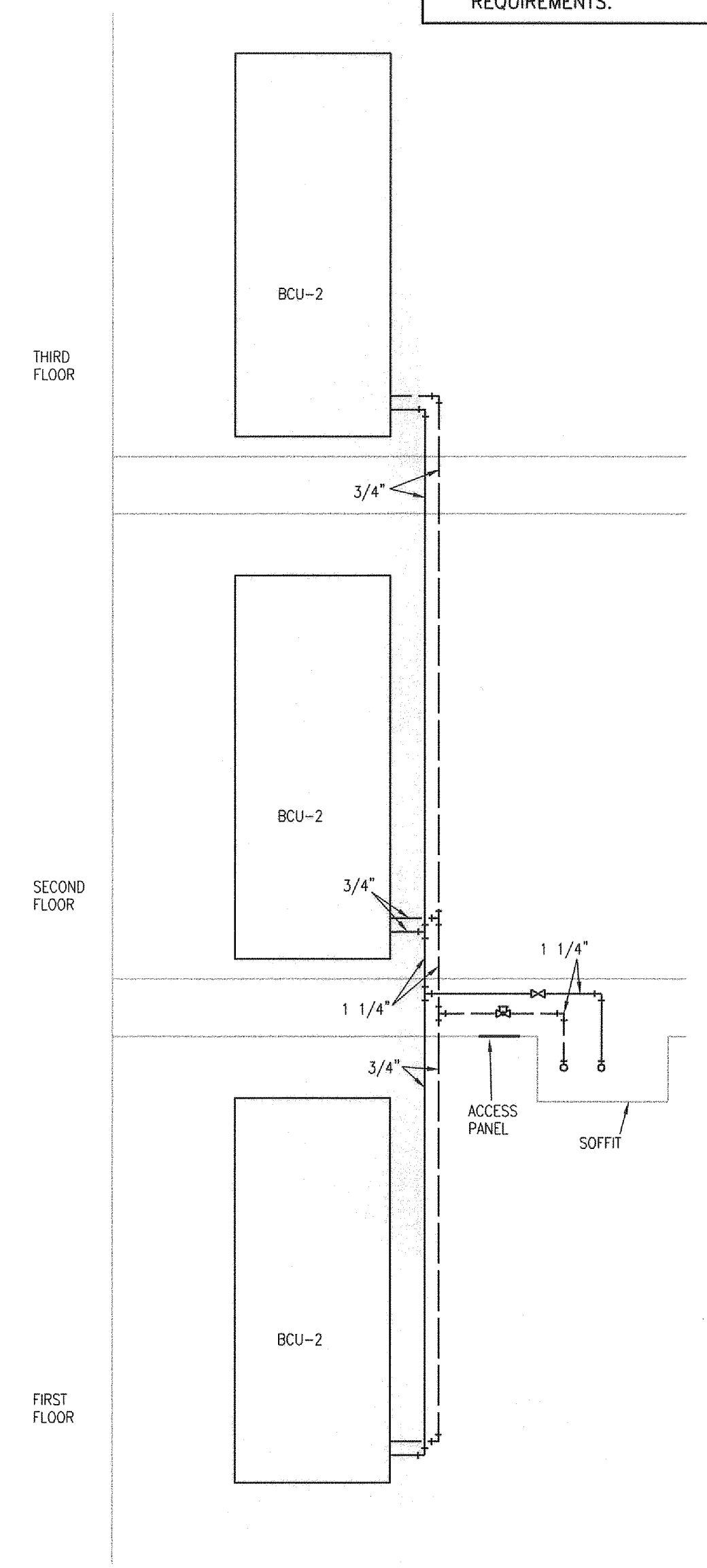
NOTES:
1. BRACE AND SECURE UNITS TO WALL/FLOOR FOR SEISMIC REQUIREMENTS.



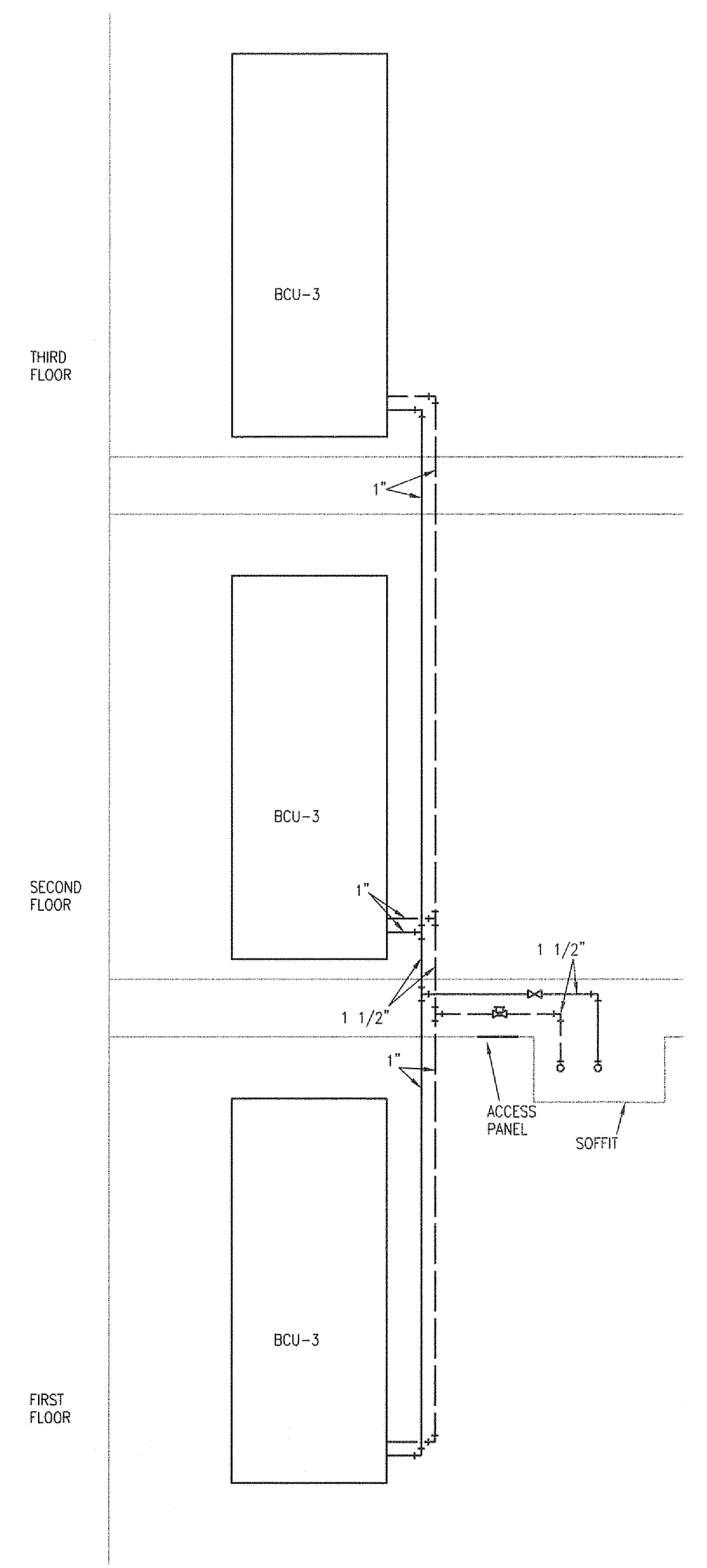
CHILLED WATER RISER A



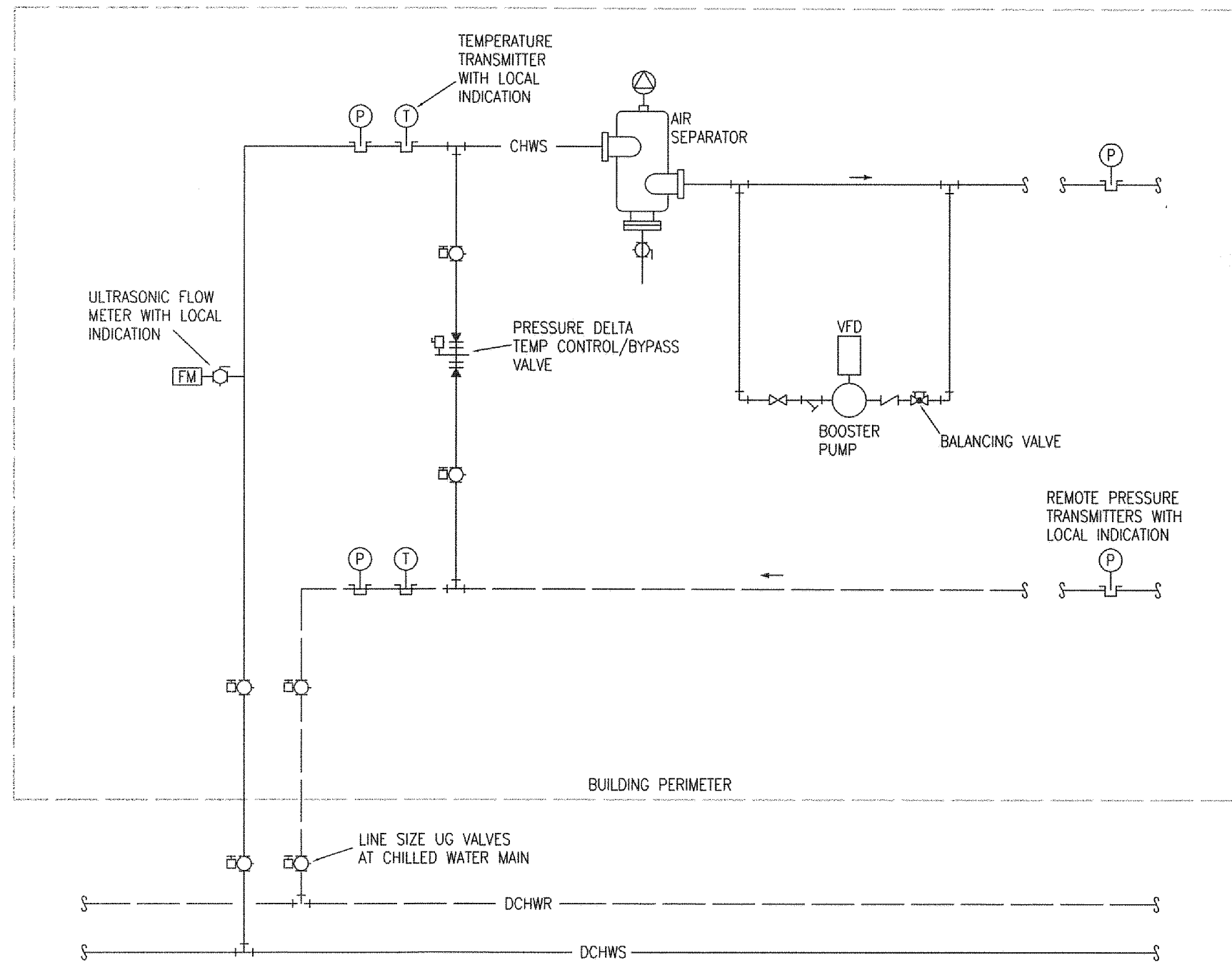
CHILLED WATER RISER B



CHILLED WATER RISER C



CHILLED WATER RISER D



DISTRIBUTED CHILLED WATER BLDG CONNECTION
NO SCALE

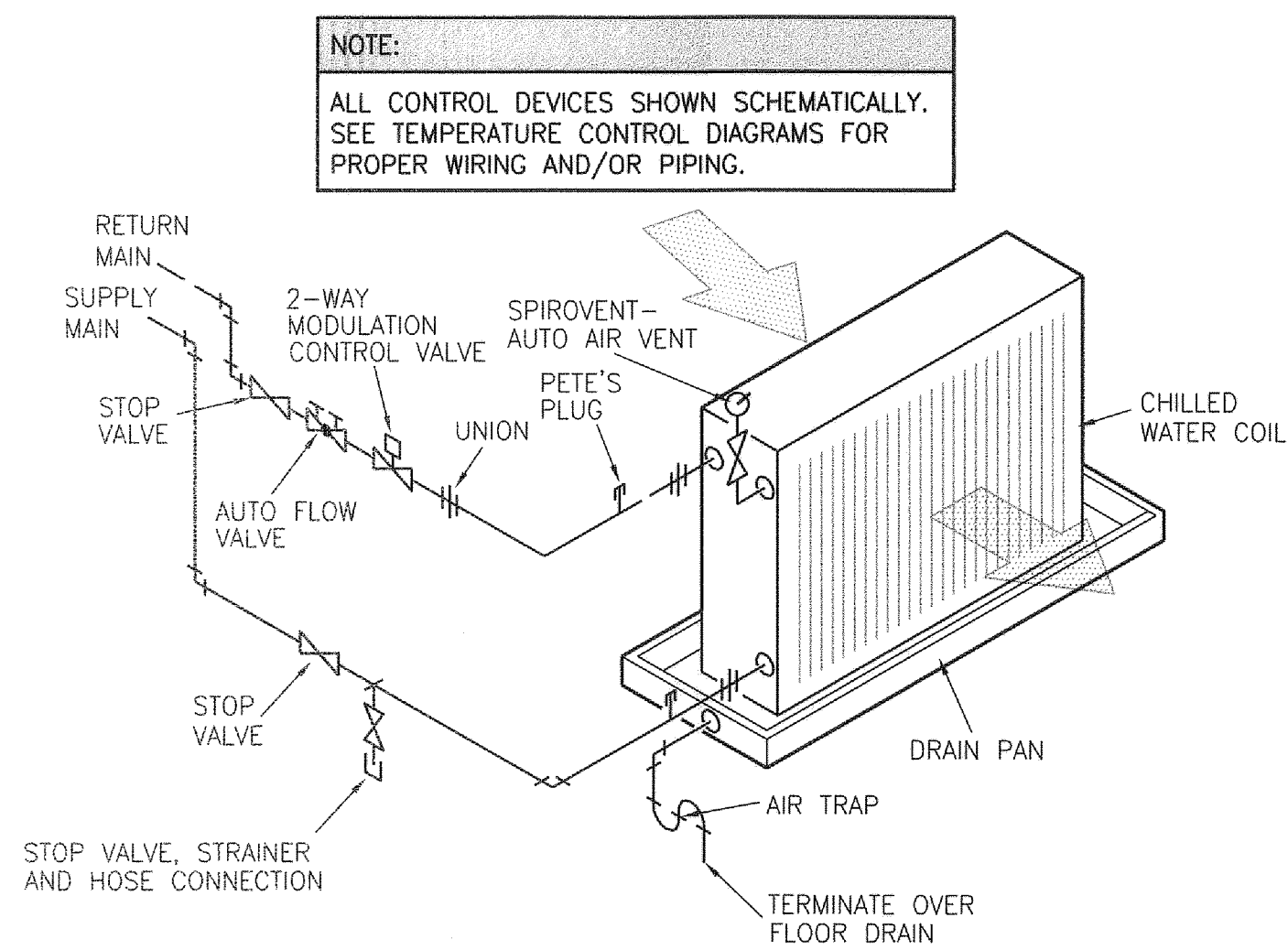
BLOWER COIL UNIT SCHEDULE														
MARK	MANUFACTURER	MODEL NUMBER	FAN CFM	OA CFM	COIL GPM	COIL Δ P	CHILLED WATER		COOLING CAPACITY		ELECTRIC HEAT KW	ELECTRICAL CHARACTERISTICS		
							ENT. TEMP	LVG. TEMP	TMBH	SMBH		VOLT/PH	FLA	OCF
BCU-1	CARRIER	42DDA-08-B	590	0	3.3	1.65 FT	45	55	16.5	14.7	4	208/1	20	25
BCU-2	CARRIER	42DDA-08-B	740	0	3.3	1.65 FT	45	55	16.5	14.7	5	208/1	25	30
BCU-3	CARRIER	42DDA-12-B	1120	0	5.5	3.45 FT	45	55	27.3	23.5	6	208/1	30	40
BCU-4	CARRIER	42DDA-08-B	740	100	3.3	1.65 FT	45	55	16.5	14.7	4	208/1	20	25
BCU-5	CARRIER	42DDA-10-B	850	0	4.4	2.11 FT	45	55	21.7	19	5	208/1	25	30
BCU-6	CARRIER	42DDA-16-B	1380	150	7.1	2.13 FT	45	55	35.4	30.7	10	208/1	50	60
BCU-7	CARRIER	42CE-02	170	20	1.1		45	55	5.5	4.3	2	208/1	10	15

PTAC SCHEDULE							
MARK	MANUFACTURER	MODEL NUMBER	CFM HIGH/LOW	TOTAL COOLING CAPACITY (BTUH)	ELECTRIC HEAT (BTUH)	ELECTRICAL CHARACTERISTICS	REMARKS
PTAC-1	TRANE	PTEE-1201UA	320/293	11600	6800	208V., 1 PH.	1, 2, 3, 4

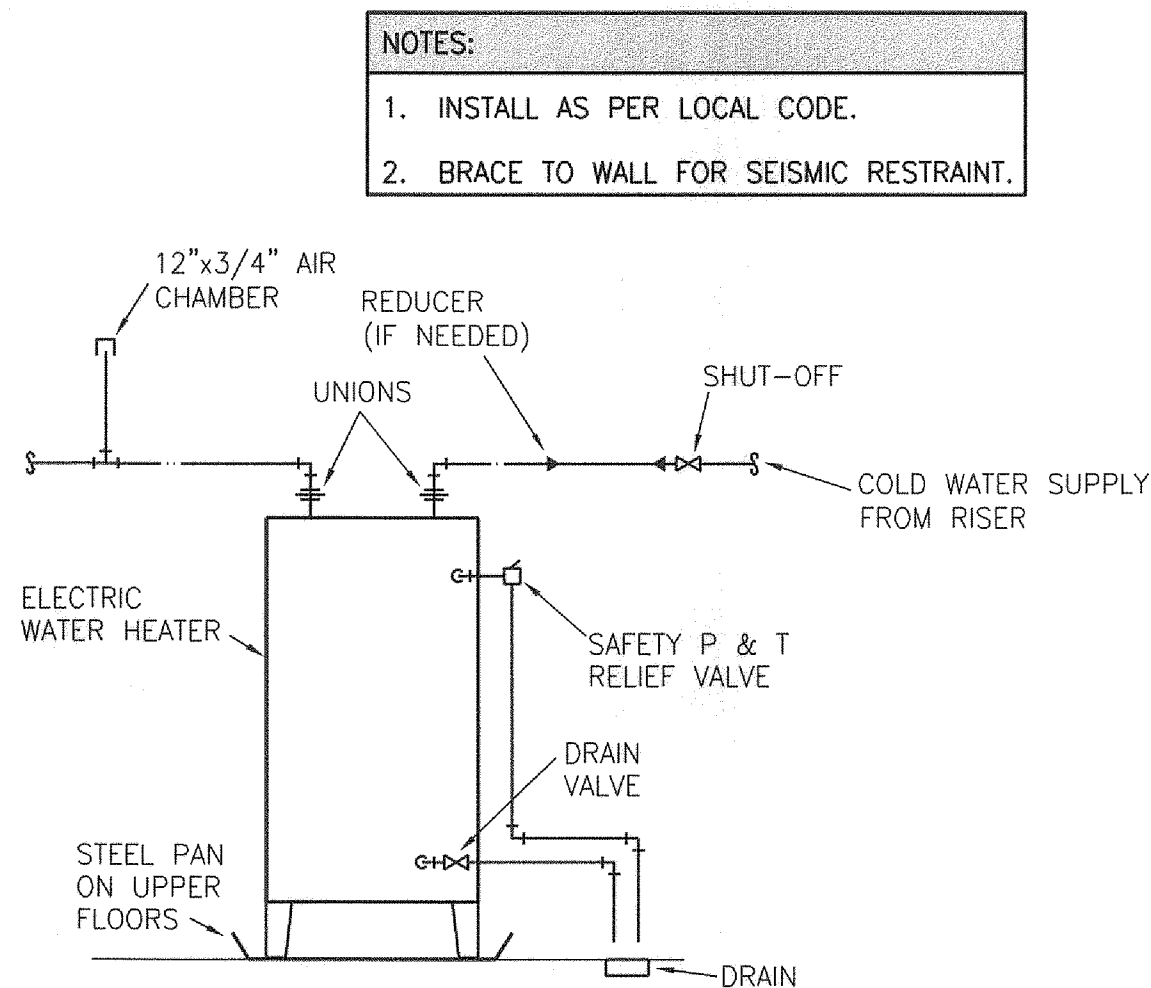
- REMARKS LEGEND:
- 1 - PROVIDE WITH OUTSIDE AIR GRILLE.
 - 2 - PROVIDE WITH WALL CASE AND INTERNAL DRAIN KIT. ROUTE DRAINAGE TO FLOOR DRAIN.
 - 3 - COOLING CAPACITIES BASED ON 105° AMBIENT, 80/67 ENTERING AIR.
 - 4 - EQUIVALENT BY GE, AMANA AND CARRIER.

MECHANICAL SYMBOLS LEGEND			
	WATER CLOSET & TYPE (TYP. FOR ALL PLUMBING FIXTURES)		MANUAL DAMPER
	WASTE LINE ABOVE EARTH (W.)		BACKDRAFT DAMPER
	WASTE LINE IN EARTH (W.)		AUTOMATIC DAMPER
	CLEAN OUT		FIRE DAMPER
	FLUSH FLOOR CLEAN OUT		FIRE/SMOKE DAMPER
	FLUSH GRADE CLEAN OUT		SMOKE DAMPER
	FLOOR DRAIN AND TYPE		GRILLE, REGISTER OR DIFFUSER, SIZE, TYPE & CFM
	ROOF DRAIN		VOLUME EXTRACTOR AND TURNING VANES
	ROOF DRAIN AND TYPE		RETURN, EXHAUST OR FRESH AIR DUCT SECTION UP & DOWN
	VENT LINE (V.)		SUPPLY AIR DUCT SECTION UP AND DOWN
	DOMESTIC COLD WATER SUPPLY (DCW)		FLEXIBLE DUCT CONNECTION
	DOMESTIC HOT WATER SUPPLY (DHW)		ROUND OR RECTANGULAR DUCT
	DOMESTIC HOT WATER RETURN (DHW-R)		FLEXIBLE DUCT
	HOSE BIBB AND MOUNTING HEIGHT		THERMOSTAT
	WALL HYDRANT		REFRIGERANT LIQUID
	FIRE LINE/STANDPIPE		REFRIGERANT SUCTION
	DRAIN LINE		ACCESS DOOR
	NATURAL GAS LINE		ABOVE FINISHED FLOOR
	RISE & DROP IN PIPE WITH CUT-OFF VALVE		EXHAUST AIR
	REDUCER		OUTSIDE AIR
	CHECK VALVE		RETURN AIR
	STOP VALVE		SUPPLY AIR
	BALANCING VALVE		VENT BELOW SLAB
	PLUG VALVE		VENT THRU ROOF
	2-WAY CONTROL VALVE OR SOLENOID VALVE		CONNECT NEW TO EXISTING
	3-WAY CONTROL VALVE OR SOLENOID VALVE		
	PRESSURE REDUCING VALVE		
	STRAINER		
	UNION		
	FLEXIBLE PIPE CONNECTION		

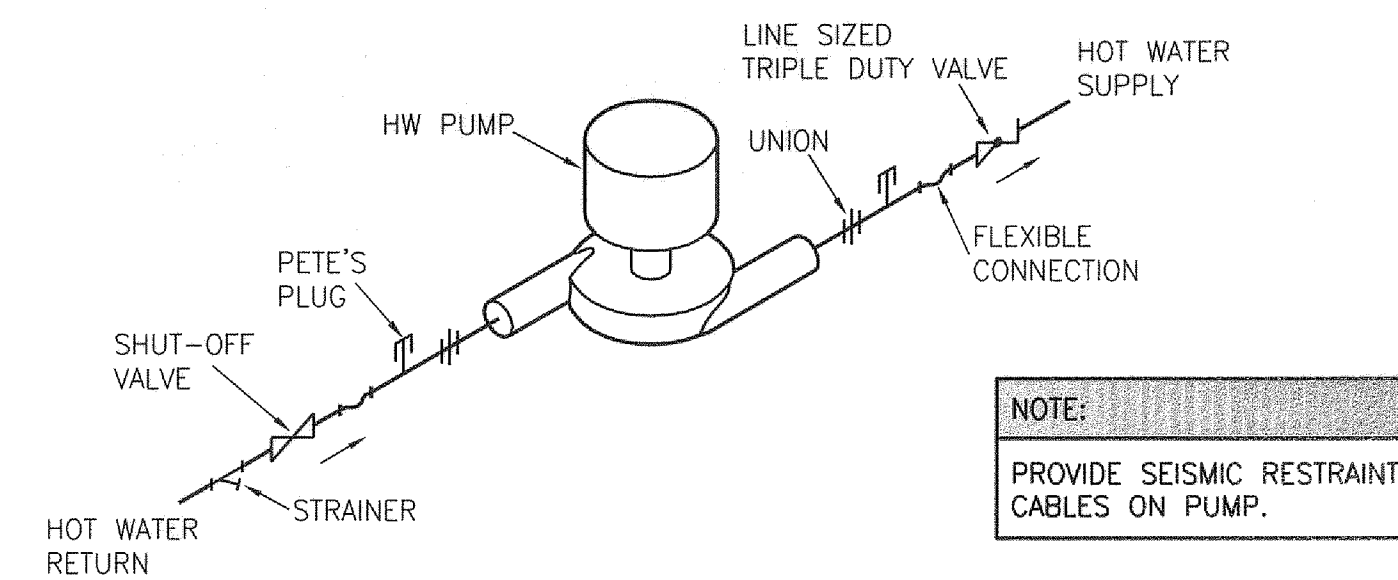
NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS. REFER TO ELECTRICAL SYMBOLS LEGEND FOR ELECTRICAL SYMBOLS THAT MAY BE SHOWN ON MECHANICAL PLANS.



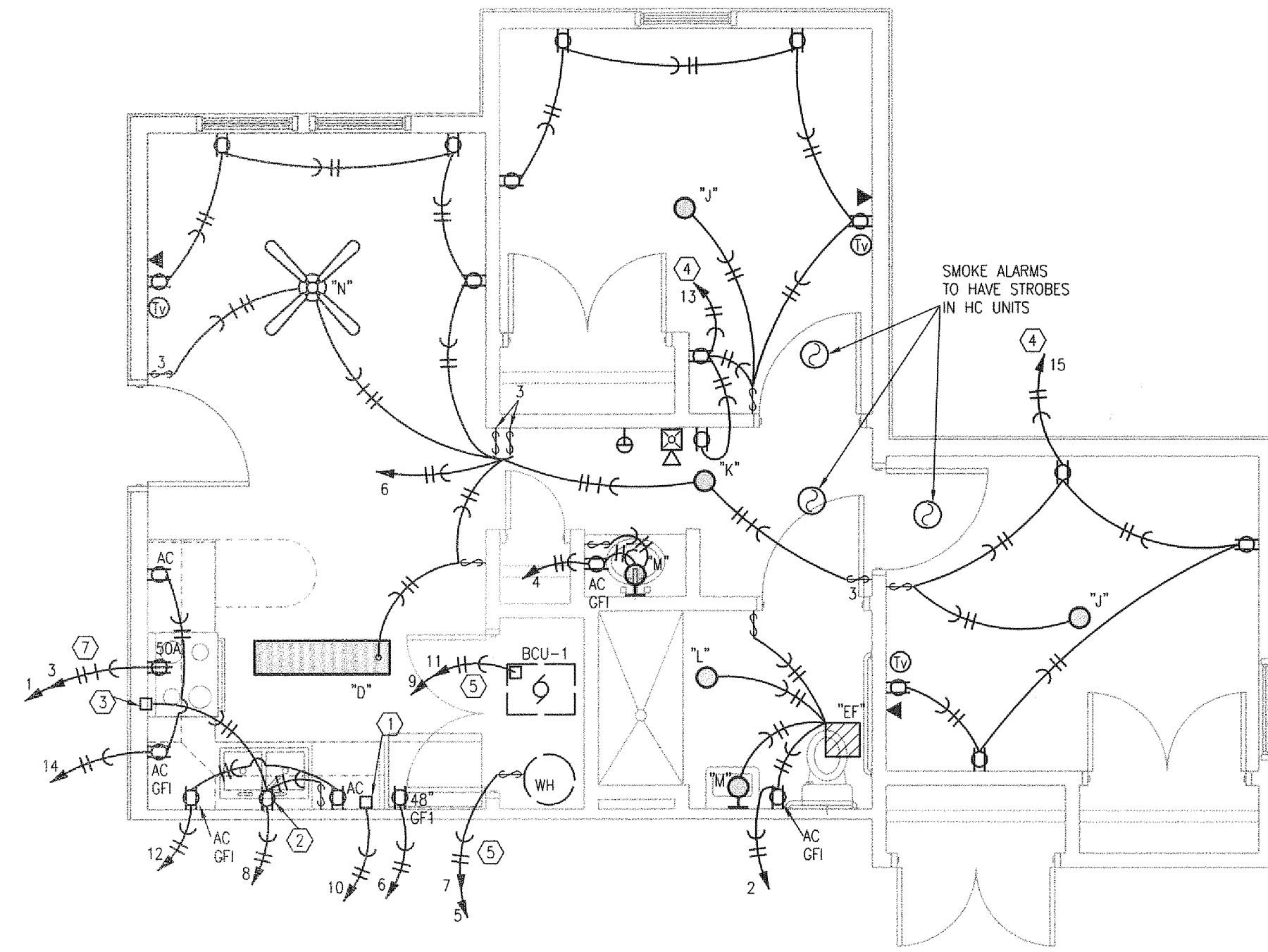
**SINGLE CHILLED WATER COIL
DETAIL WITH CONTROL VALVE**
NO SCALE



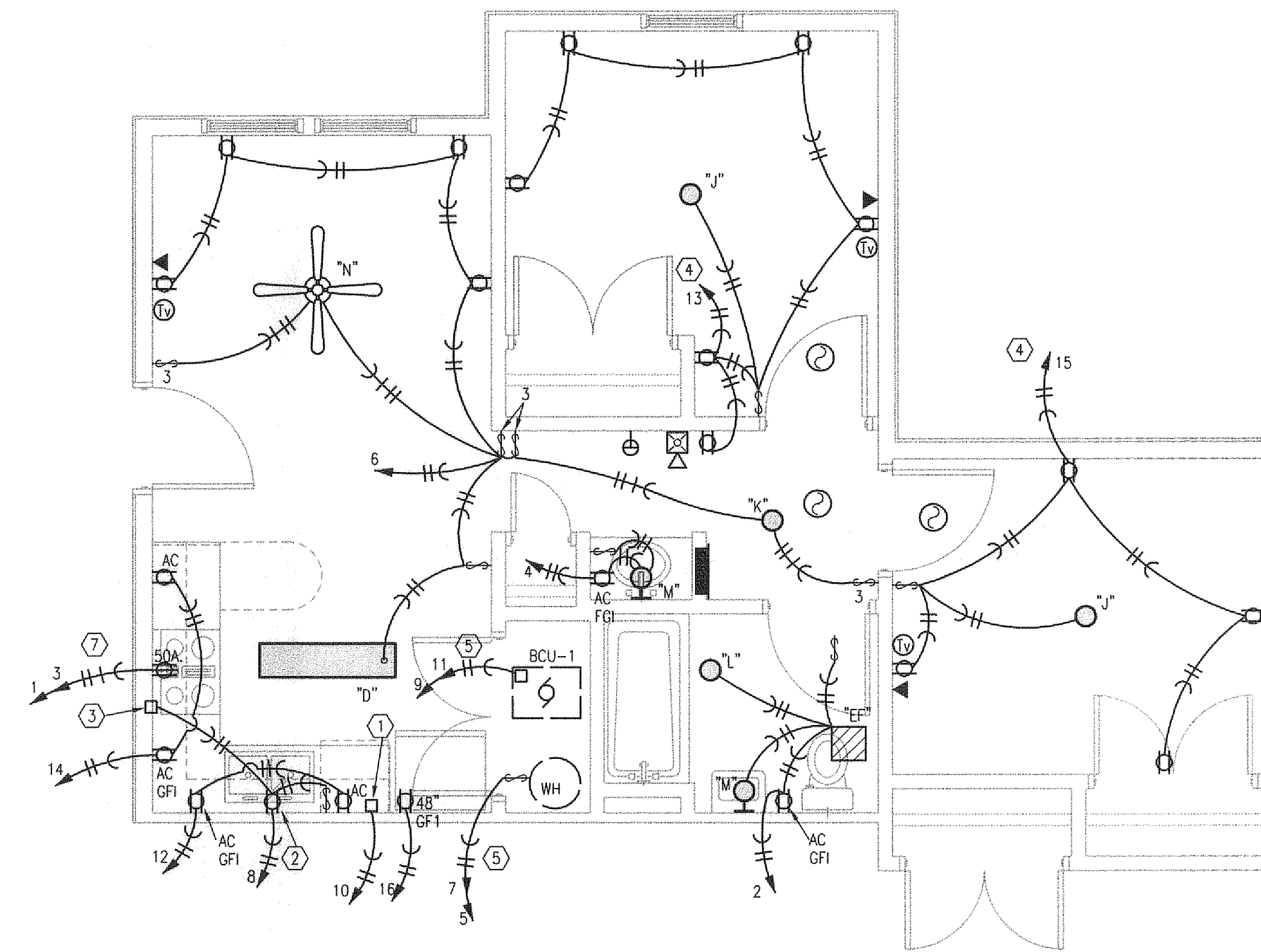
**APARTMENT
ELECTRIC WATER HEATER
DETAIL**
NO SCALE



**INLINE PUMP
DETAIL**
NO SCALE



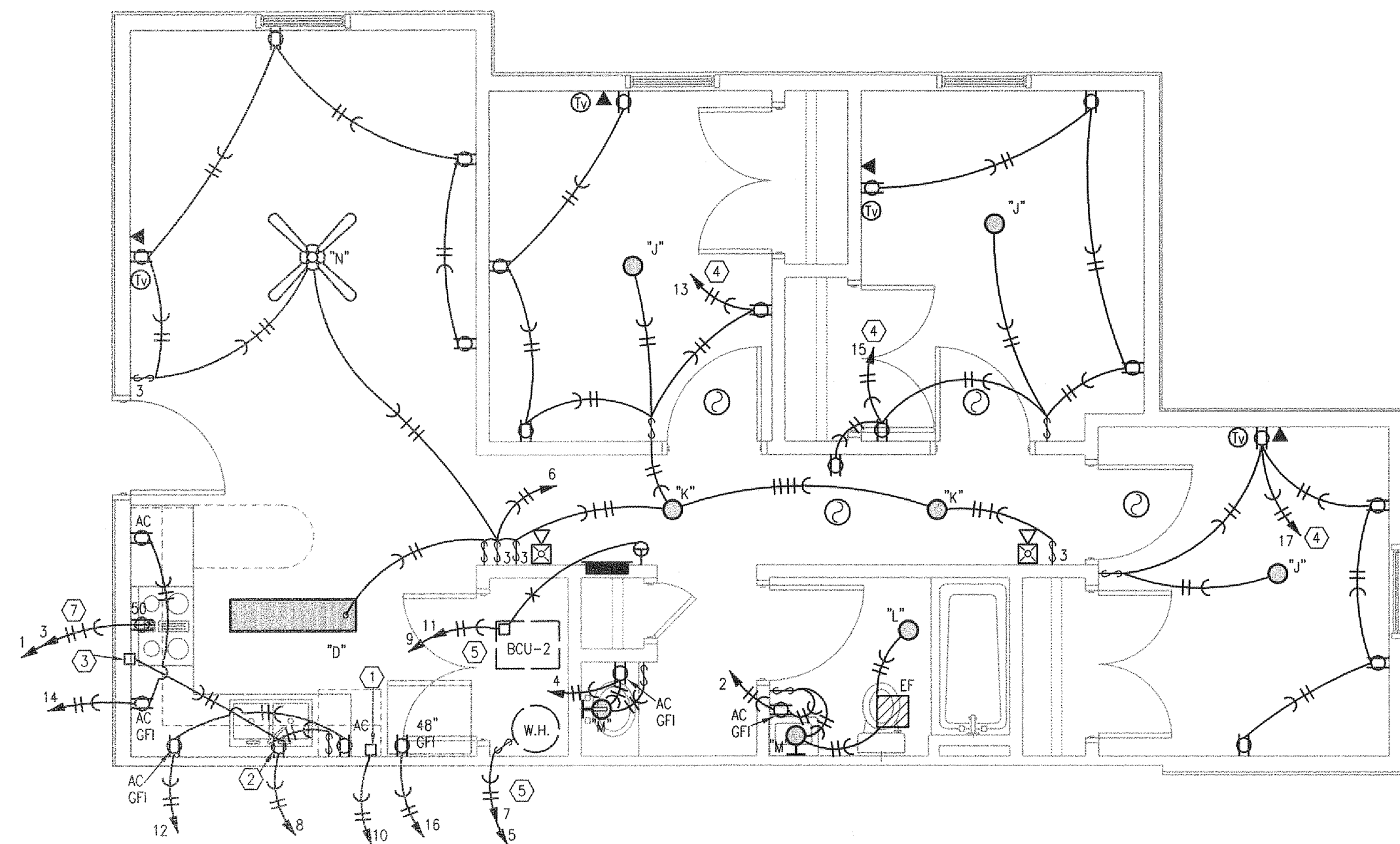
TYPICAL 2 BED/2 PERSON APARTMENT - TYPE A UNIT PLAN
1/4"=1'-0" ELECTRICAL



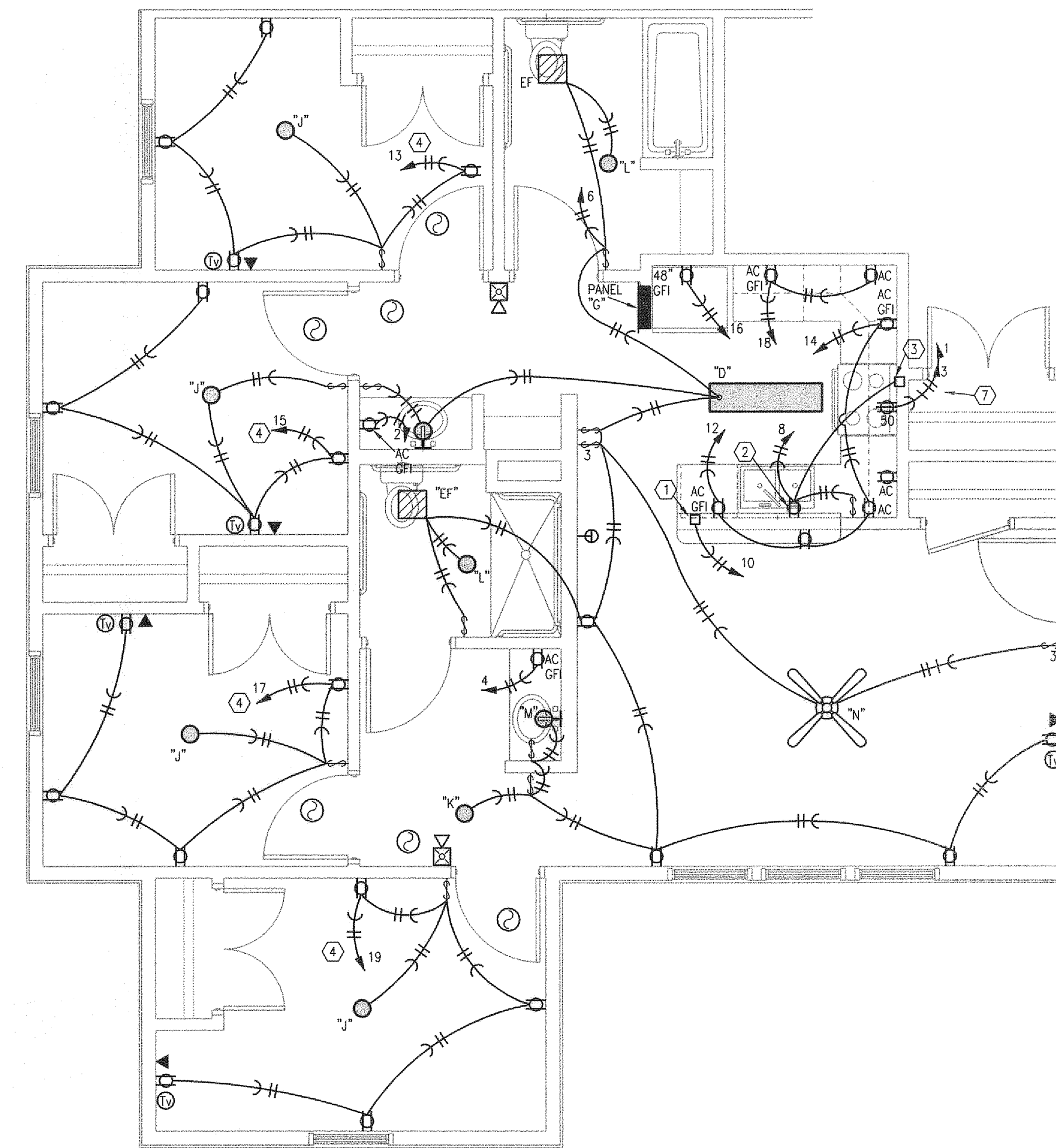
TYPICAL 2 BED/2 PERSON APARTMENT - TYPE B UNIT PLAN
1/4"=1'-0" ELECTRICAL

- NOTES:**
1. E/C TO REFER TO TELECOM SHEETS FOR ADDITIONAL WORK.
 2. PROVIDE DOORBELL WITH STROBE ON HC UNITS.
 3. CONNECT APPLIANCES.

- LEGEND:**
- ① JUNCTION BOX FOR DISH WASHER. CONNECT UNIT.
 - ② SWITCHED RECEPTACLE FOR DISPOSAL. PROVIDE PLUG AND CHORD.
 - ③ JUNCTION BOX FOR RANGE HOOD. CONNECT UNIT.
 - ④ PROVIDE ARC FAULT INTERRUPTER BREAKER.
 - ⑤ (3) #10
 - ⑥ (2) #8, (1) #10
 - ⑦ (3) #8, (1) #10

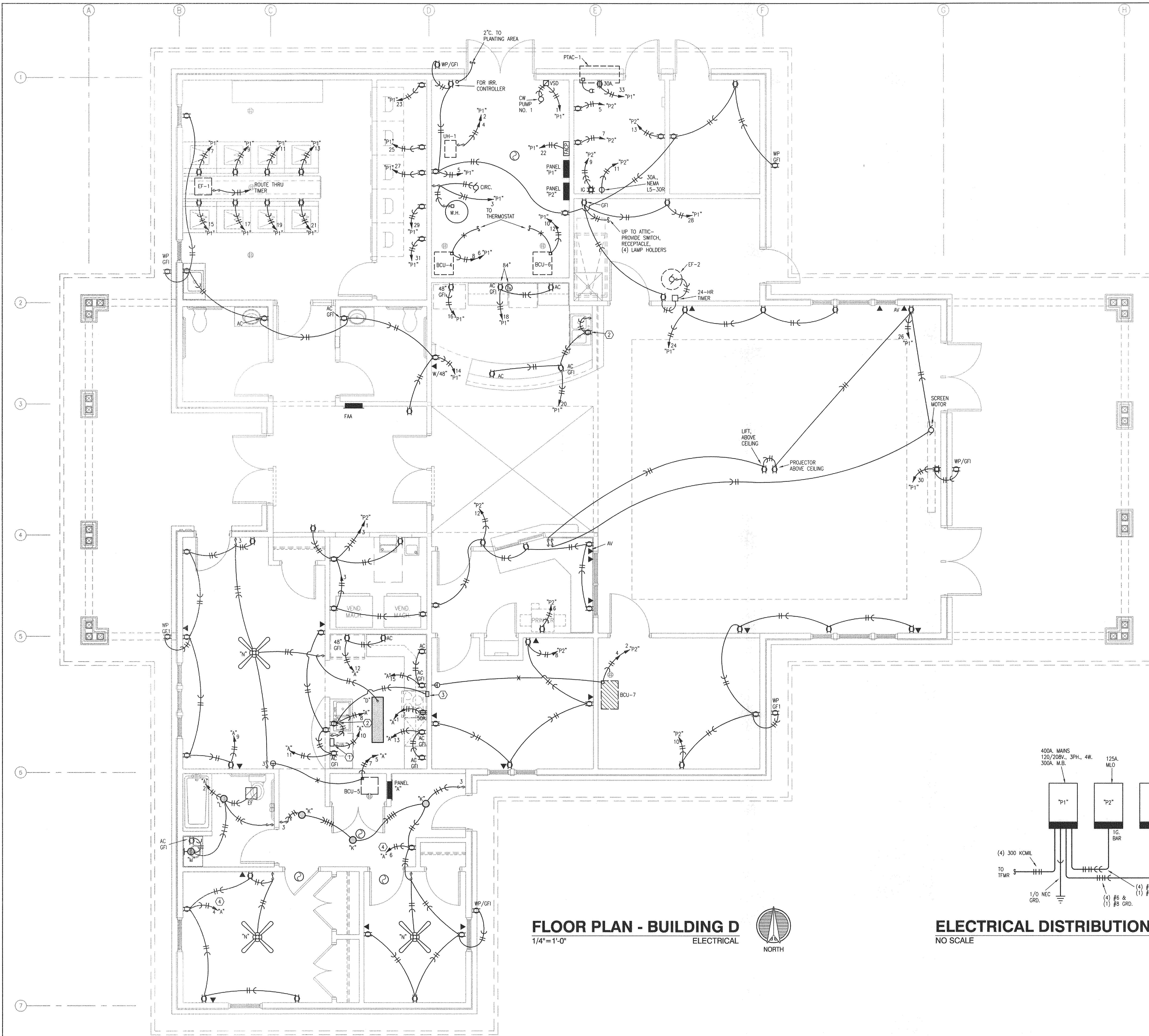


TYPICAL 3 BED/3 PERSON APARTMENT PLAN
1/4"=1'-0" ELECTRICAL

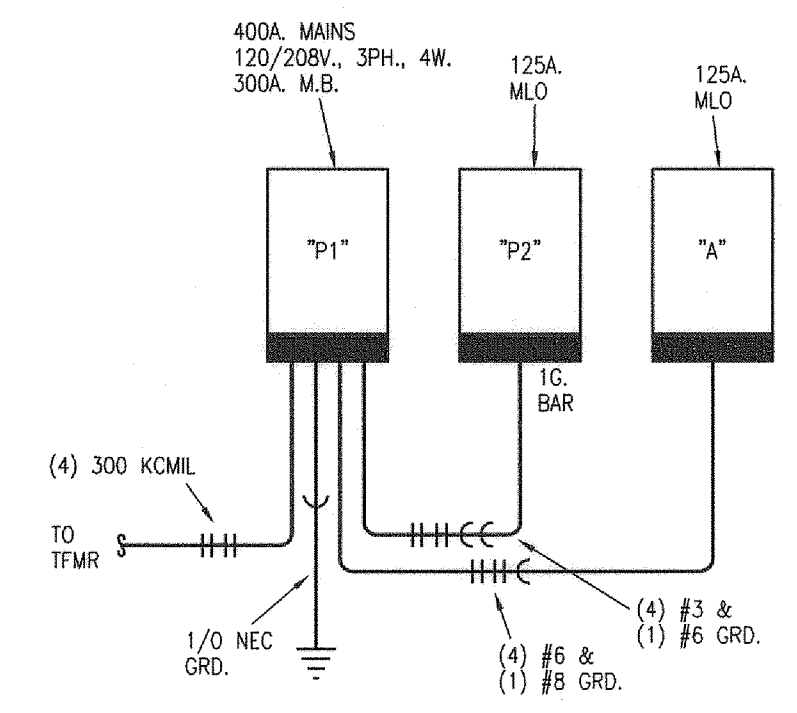


TYPICAL 4 BED/4 PERSON APARTMENT PLAN
1/4"=1'-0" ELECTRICAL

.. E1-01.dwg 48 04/24/08 MAT



FLOOR PLAN - BUILDING D
 1/4" = 1'-0"
 ELECTRICAL



ELECTRICAL DISTRIBUTION RISER DIAGRAM
 NO SCALE

- NOTES:**
1. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
 2. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
 3. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
 4. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS SERVED.
 5. E/C TO REFER TO TELECOM SHEETS FOR ADDITIONAL WORK.

- LEGEND:**
- ① JUNCTION BOX FOR DISHWASHER. CONNECT UNIT.
 - ② SWITCHED RECEPTACLE FOR DISPOSAL. PROVIDE PLUG AND CORD.
 - ③ JUNCTION BOX FOR RANGE HOOD. CONNECT UNIT.
 - ④ PROVIDE ARC FAULT INTERRUPTER BREAKER.
 - ⑤ NOT USED.
 - ⑥ (2) #8 & (1) #10 GRD.
 - ⑦ (3) #8 & (1) #10 GRD.

TREANOR ARCHITECTS P.A.
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 Office: 816.221.0900
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 www.treanorarch.com

WD&D ARCHITECTS
 Wittenberg, Delony & Davidson Architects, Inc.
 400 W. Capitol Avenue, Suite 1800
 Little Rock, AR 72202
 REGISTERED PROFESSIONAL ARCHITECT
 WILLIAM R. BASSISTE
 No. 6926
 1-24-08

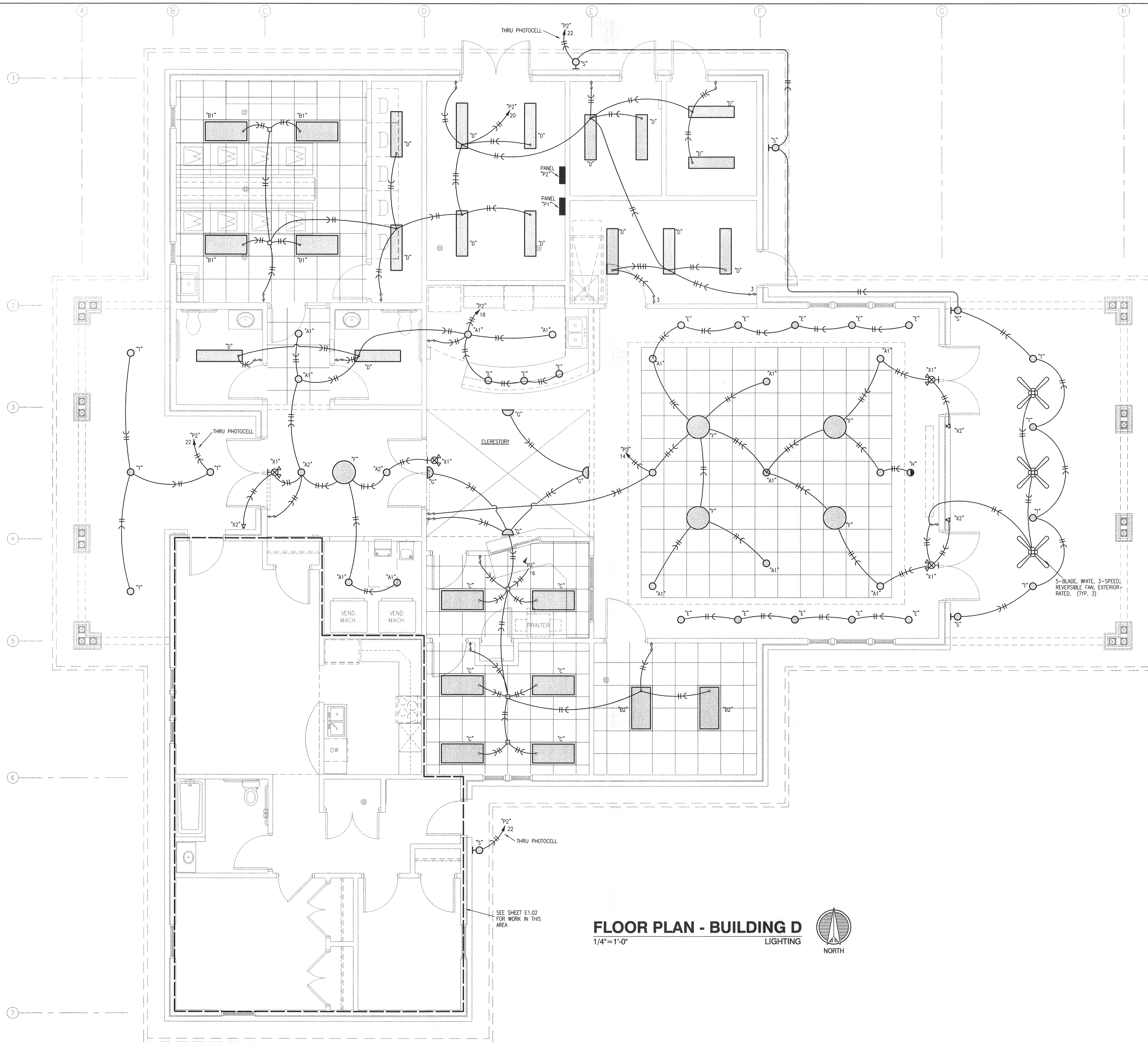
PROJECT TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

CONTENTS
FLOOR PLAN - BUILDING D -
ELECTRICAL

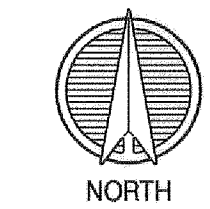
SHEET	DATE	3-25-08
	JOB #	07-047
REVISIONS		
WITTENBERG, DELONY & DAVIDSON, INC.		
EI.02		

LS&A
 Lullier Sommers & Associates, P.A.
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 Email: lsapa@esoc.com

.. E1-02.dwg 48 04/24/08 CJP



FLOOR PLAN - BUILDING D
 LIGHTING
 1/4" = 1'-0"



SEE SHEET E1.02 FOR WORK IN THIS AREA

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 LICENSED PROFESSIONAL ENGINEER
 WILLIAM R. BASSETT
 No. 6926
 4.24.08

PROJECT TITLE
Student Apartments
 Arkansas State University
 Jonesboro, Arkansas

CONTENTS
FLOOR PLAN - BUILDING D -
LIGHTING

REVISIONS

DATE 3-25-08
JOB # 07-047

SHEET E1.03

LS&A
 Lettner Sommers & Associates, P.A.
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 Topeka, Kansas 66614-3974
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 FAX: (785) 233-9547
 Email: lsapa@lsapa.com

UNIT LOAD CALCULATION		
LOAD ANALYSIS	TYPICAL UNITS 4 BR	VA
1141 SQ. FT. AT 3 VA/SQ. FT.	=	3423
(2) SMALL APPLIANCE CKTS.	=	3000
RANGE	=	10500
RANGE HOOD	=	300
WATER HEATER	=	4500
DISHWASHER	=	1200
DISPOSER	=	850
TOTAL GENERAL LOAD	=	23773
NEC 220-30 CALCULATION		
FIRST 10 KVA AT 100%	=	10000
REMAINDER AT 40%	=	5509
HEATING LOAD, 6000 AT 65%	=	3900
TOTAL LOAD	=	19409
LOAD FOR UNIT SERVICE, AMP AT 280V, 1PH.	=	93
CONNECTED LOAD	=	29773

UNIT LOAD CALCULATION		
LOAD ANALYSIS	TYPICAL UNITS 3 BR	VA
842 SQ. FT. AT 3 VA/SQ. FT.	=	2526
(2) SMALL APPLIANCE CKTS.	=	3000
RANGE	=	10500
RANGE HOOD	=	300
WATER HEATER	=	4500
DISHWASHER	=	1200
DISPOSER	=	850
TOTAL GENERAL LOAD	=	22876
NEC 220-30 CALCULATION		
FIRST 10 KVA AT 100%	=	10000
REMAINDER AT 40%	=	5150
HEATING LOAD, 5000 AT 65%	=	3250
TOTAL LOAD	=	18400
LOAD FOR UNIT SERVICE, AMP AT 280V, 1PH.	=	88
CONNECTED LOAD	=	29776

UNIT LOAD CALCULATION		
LOAD ANALYSIS	TYPICAL UNITS 2 BR	VA
635 SQ. FT. AT 3 VA/SQ. FT.	=	1905
(2) SMALL APPLIANCE CKTS.	=	3000
RANGE	=	10500
RANGE HOOD	=	300
WATER HEATER	=	4500
DISHWASHER	=	1200
DISPOSER	=	850
TOTAL GENERAL LOAD	=	22255
NEC 220-30 CALCULATION		
FIRST 10 KVA AT 100%	=	10000
REMAINDER AT 40%	=	4902
HEATING LOAD, 4000 AT 65%	=	2600
TOTAL LOAD	=	17502
LOAD FOR UNIT SERVICE, AMP AT 280V, 1PH.	=	84
CONNECTED LOAD	=	26255

MULTI-FAMILY BUILDING LOAD ANALYSIS			
BUILDING NO.			
QUANTITY	UNIT	CONNECTED LOAD-VA	TOTAL KVA
12	2 BR	26255	315.06
9	3 BR	27876	250.88
3	4 BR	29773	89.32
TOTAL BUILDING KVA		=	665.26
TOTAL UNITS		=	24
NO. OF ENTRANCES		=	1
TOTAL UNITS PER ENTRANCE		=	24
DIVERSITY PER NEC TABLE 230.32		=	0.35
DIVERSIFIED KVA		=	229.34
AMPS AT 240V, SINGLE PHASE		=	637.06
HOUSE LOAD - AMPS		=	80
TOTAL DEMAND - AMPS		=	717.06

ELECTRICAL SYMBOLS LEGEND			
	CONDUIT CONCEALED IN CEILING OR WALL		SWITCH - SINGLE POLE
	CONDUIT CONCEALED IN FLOOR SLAB		3-WAY, 4-WAY LIGHT FIXTURE AND TYPE
	EXPOSED CONDUIT		FLUORESCENT LIGHT FIXTURE
	HOMERUN - ARROW INDICATES CKT., LINES INDICATE WIRES		EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
	GROUND WIRE		FIXTURE ON LIFE SAFETY BRANCH OF EMERGENCY SYSTEM
	GROUNDING ROD		INCANDESCENT OR H.I.D. LIGHT FIXTURE
	SINGLE RECEPTACLE		INCANDESCENT OR H.I.D. LIGHT FIXTURE (WALL MOUNTED)
	DUPLEX RECEPTACLE (20 AMP UNLESS NOTED)		EXIT LIGHT (CEILING OR WALL MOUNTED)
	FOURPLEX RECEPTACLE		FLUSH PANELBOARD (LIGHT & RECEPTACLES)
	208 OR 240 VOLT RECEPTACLE (20 AMP UNLESS NOTED)		SURFACE PANELBOARD (LIGHT & RECEPTACLES)
	CLOCK RECEPTACLE		DISTRIBUTION PANEL OR SWITCHBOARD
	TELE/DATA OUTLET *		DEVICE LOCATED ABOVE COUNTER
	WALL PHONE OUTLET *		ABOVE FINISHED FLOOR
	AUDIO/VISUAL OUTLET *		DIMMER
	PUSHBUTTON		INDICATES EXISTING DEVICE
	CEILING SPEAKER		ELECTRIC DRINKING FOUNTAIN
	BELL		GROUND FAULT INTERRUPTER
	MOTOR		NIGHTLIGHT FIXTURE, WIRED HOT
	FUSIBLE SWITCH (BUSSMAN SSI)		WEATHERPROOF
	DISCONNECT SWITCH (D.S.)		CONNECT NEW TO EXISTING
	COMBINATION MOTOR STARTER (CMS)		
	RELAY		
	JUNCTION BOX		
	THERMOSTAT		

NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS. REFER TO MECHANICAL SYMBOLS LEGEND FOR MECHANICAL SYMBOLS THAT MAY BE SHOWN ON ELECTRICAL PLANS. * REFER TO TELECOM SHEETS FOR BACKBOX AND CONDUIT REQUIREMENTS.

NFPA SYMBOLS LEGEND	
	SMOKE DETECTOR
	SMOKE DETECTOR WITH SOUNDER BASE
	SMOKE DETECTOR WITH ISOLATOR BASE
	HEAT DETECTOR
	DUCT DETECTOR
	ADDRESSABLE MANUAL PULL STATION
	DOOR HOLDER
	FLOW DETECTOR/SWITCH
	TAMPER DETECTOR
	TEST STATION
	MR101/C SHUTDOWN RELAY, SPDT W/RED
	A/V (WALL MOUNTED) 24 VDC
	STROBE
	BELL ANNUNCIATOR
	HORN/SPEAKER
	FIRE ALARM CONTROL PANEL
	FIREMAN'S PHONE
	AREA RESCUE CALL STATION
	AREA RESCUE MASTER STATION
	SIGNAL ZAM
	CONTROL ZAM
	DETECTOR ZAM
	MONITOR MODULE
	RELAY IAM
	GRAPHIC COMMAND CENTER
	REMOTE FIRE ALARM AUDIO
	REMOTE ANNUNCIATOR WITH AUDIO
	ANNUNCIATOR
	FIRE SMOKE DAMPER
	NAC POWER EXTENDER

* ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS

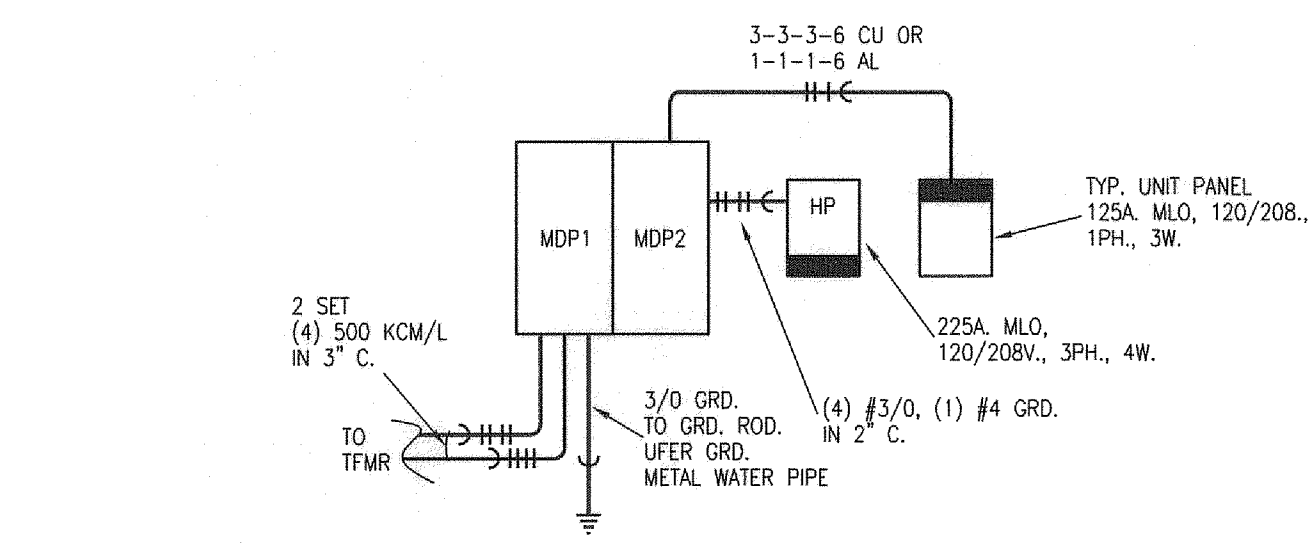
ELECTRICAL PANEL SCHEDULE					
PANEL: "2BR"	MAINS: MLO	POLES: 24	KAIC: 10K		
BUS: 125A.		VOLTAGE: 120/208	PHASE/WIRE: 1/3	MOUNTING: FLUSH	
CIRCUIT NUMBERS	DESCRIPTION	AMPS	POLES	QUANTITY	
1, 3	RANGE	50	2	1	
5, 7	WATER HEATER	30	2	1	
9, 11	AHU	25	2	1	
2 THRU 14 EVEN	LIGHTS AND RECEPTACLES	20	1	7	
13, 15	ARC-FAULT LIGHTS AND RECEPTACLES	20	1	2	

ELECTRICAL PANEL SCHEDULE					
PANEL: "3BR"	MAINS: MLO	POLES: 24	KAIC: 10K		
BUS: 125A.		VOLTAGE: 120/208	PHASE/WIRE: 1/3	MOUNTING: FLUSH	
CIRCUIT NUMBERS	DESCRIPTION	AMPS	POLES	QUANTITY	
1, 3	RANGE	50	2	1	
5, 7	WATER HEATER	30	2	1	
9, 11	AHU	30	2	1	
2 THRU 16 EVEN	LIGHTS AND RECEPTACLES	20	1	8	
13, 15, 17	ARC-FAULT LIGHTS AND RECEPTACLES	20	1	3	

ELECTRICAL PANEL SCHEDULE					
PANEL: "4BR"	MAINS: MLO	POLES: 24	KAIC: 10K		
BUS: 125A.		VOLTAGE: 120/208	PHASE/WIRE: 1/3	MOUNTING: FLUSH	
CIRCUIT NUMBERS	DESCRIPTION	AMPS	POLES	QUANTITY	
1, 3	RANGE	50	2	1	
5, 7	WATER HEATER	30	2	1	
9, 11	AHU	40	2	1	
2 THRU 18 EVEN	LIGHTS AND RECEPTACLES	20	1	9	
13 THRU 19 ODD	ARC-FAULT LIGHTS AND RECEPTACLES	20	1	4	

LIGHT FIXTURE SCHEDULE														
MARK	MANUFACTURER	MODEL NUMBER	MOUNTING			FINISH	LAMPS				DESCRIPTION	REMARKS		
			RECESS.	SURF.	WALL		INCAND.	FLUOR.	HID.	CODE			QUAN.	
"A1"	PRESCOLITE	LF8CFH	X			STANDARD	X				26W	2	6" RECESSED CAN DOWN LIGHT	
"A2"	PRESCOLITE	LF8CFH	X			STANDARD	X				26W	2	8" RECESSED CAN DOWN LIGHT	
"B1"	WILLIAMS	50-S24-432-EB4	X			WHITE	X				32W	4	2x4 RECESSED STATIC TROFFER	
"B2"	WILLIAMS	50-S24-332-EB3	X			WHITE	X				32W	3	2x4 RECESSED STATIC TROFFER	
"C"	WILLIAMS	HE3-D24-332-EB2/1	X			WHITE	X				32W	3	2x4 RECESSED PARABOLIC	
"D"	WILLIAMS	21-4-2-32-EB2		X		WHITE	X				32W	2	1x4 WRAP AROUND SURFACE MOUNT	
"E"	BELLACOR	B2146	X			BRUSHED NICKEL	X				13W SPIRAL	1	CURVED MINI PENDANT	
"F"	BELLACOR	283522	X			WHITE	X				22W9/23W9	1/1	FOUND FLUSH MOUNT CEILING LIGHT	
"G"	BELLACOR	283424		X		PEWTER	X				13W PLS	2	TWO LIGHT SCONCE	
"H"	PRESCOLITE	TBX-TW43	X			CLEAR	X				F32W TRIPLE	1	WALL WASH	
"J"	PROGRESS	P3734-30	X			TEXTURED WHITE	X				26W SPIRAL	3	BEDROOM CLOSE-TO-CEILING BOWL	
"K"	PROGRESS	P3605-30	X			WHITE	X				26W SPIRAL	1	HALLWAY GLASS GLOBE	
"L"	PROGRESS	P7383-30	X			WHITE	X				22W FCBT9	1	BATHROOM ROUND CLOUD LAMP	
"M"	PROGRESS	P2740-09		X		WATERMARK GLASS	X				60W MED BASE	2	BATHROOM SINK ABOVE MIRROR UP LIGHT	
"N"	PROGRESS	P2610-09	X			WHITE	X				60W MED BASE	3	CEILING FAN LIGHTS	1
"P"	DUAL LITE	LZ2	X			WHITE					5W HALOGEN	2	EMERGENCY LIGHTING	
"R"	PROGRESS	P7376-30	X	X		WHITE	X				13W. PLS	2	BREEZEWAY-LOW TEMP BALLAST	
"S"	PROGRESS	P5916-31	X	X		BLACK	X				26W SPIRAL	1	EXTERIOR WALL FIXTURE	
"T"	PRESCOLITE	RHDB70T6MB	X			CLEAR		X			MV70/C/U	1	RECESSED CANOPY CAN	
"U"	HUBBELL	LMC-175P-8-1			X	BRONZE		X			175WMH	1	WALL PACK	
"EF"	BROAN	H5-90	X			STD					NONE			
"X"	DUAL LITE	LXURWE	X			WHITE/RED					LED		EXIT	
"X1"	DUAL LITE	LTURW	X			WHITE/RED					5W HALOGEN/LED	2	EXIT/EMERGENCY	
"X2"	DUAL LITE	OMSSW605	X			WHITE					5W HALOGEN	1	REMOTE EMERGENCY	
"SL1"	KIM	KN-AR3-95-DB	X			BRONZE		X			175W MH	1	WALL PACK	
"SL2"	KIM	KN-SAR3-80DB	X			BRONZE		X			400WMH		POLE LIGHT - 25 FT. SSS POLE	
"SL3"	KIM	(2) KN-AR3-95DB	X			BRONZE		X			250WMH		POLE LIGHT - 16 FT. SSS POLE	
"SL4"	KIM	KN-VRB1-60DB	X			BRONZE		X			100WMH	1	BOLLARD IN 12"x36" DEEP PIER	

REMARKS LEGEND:
 1 - ATTACH TO P2521-09 FAN ASSEMBLY.



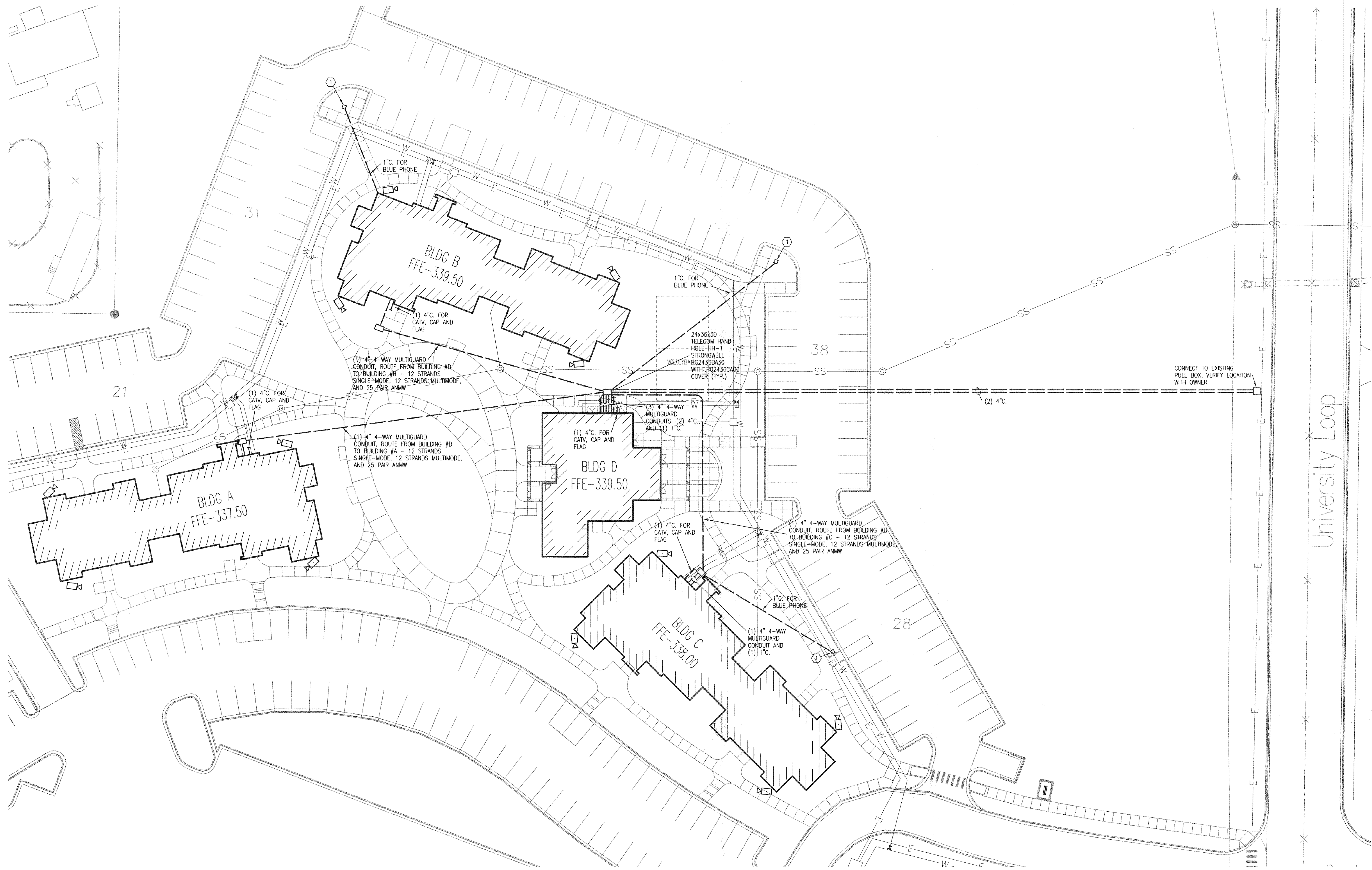
ELECTRICAL DISTRIBUTION RISER DIAGRAM
 NO SCALE TYPICAL BUILDING

NOTES:

- SEE CIVIL AND LANDSCAPE DRAWINGS FOR COORDINATION.
- INSTALL SEISMIC FLEXIBLE FITTINGS ON ALL 2 1/2" OR LARGER CONDUITS ENTERING OR LEAVING THE BUILDING IN ACCORDANCE WITH SECTION 16880.

LEGEND:

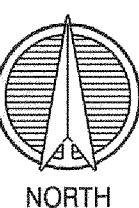
① EMERGENCY PHONE PROVIDED BY OWNER. ELECTRICAL CONTRACTOR TO PROVIDE BASE AND CONDUIT.



REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
EXPIRES 12/31/09
Reg. No. 59411
David W. Delony
4/24/08

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SITE PLAN
1"=30'-0" TELECOM



PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

WITTENBERG, DELONY & DAVIDSON, INC.

SITE PLAN - TELECOM

CONTENTS

DATE: 3-25-08
JOB #:

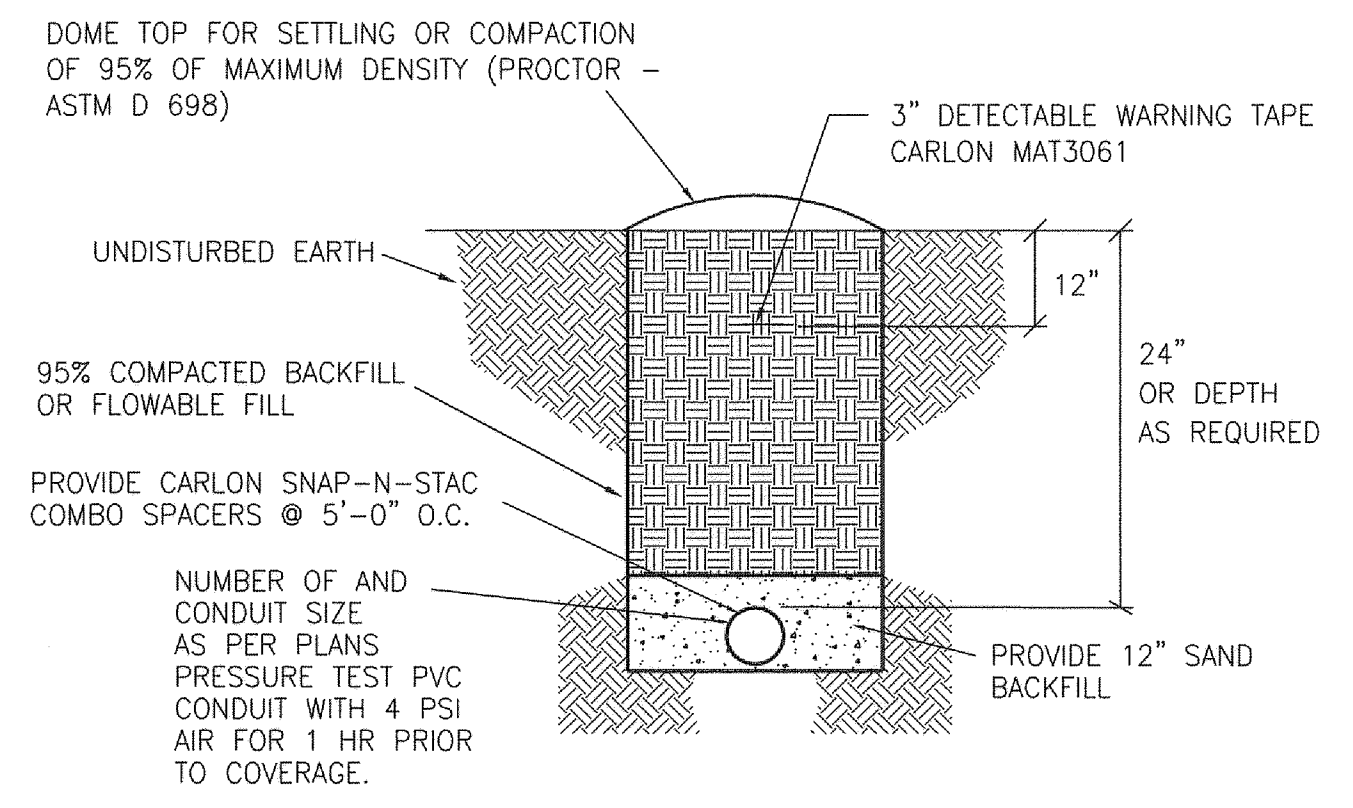
REVISIONS

07-047

TI.01

NOTES:

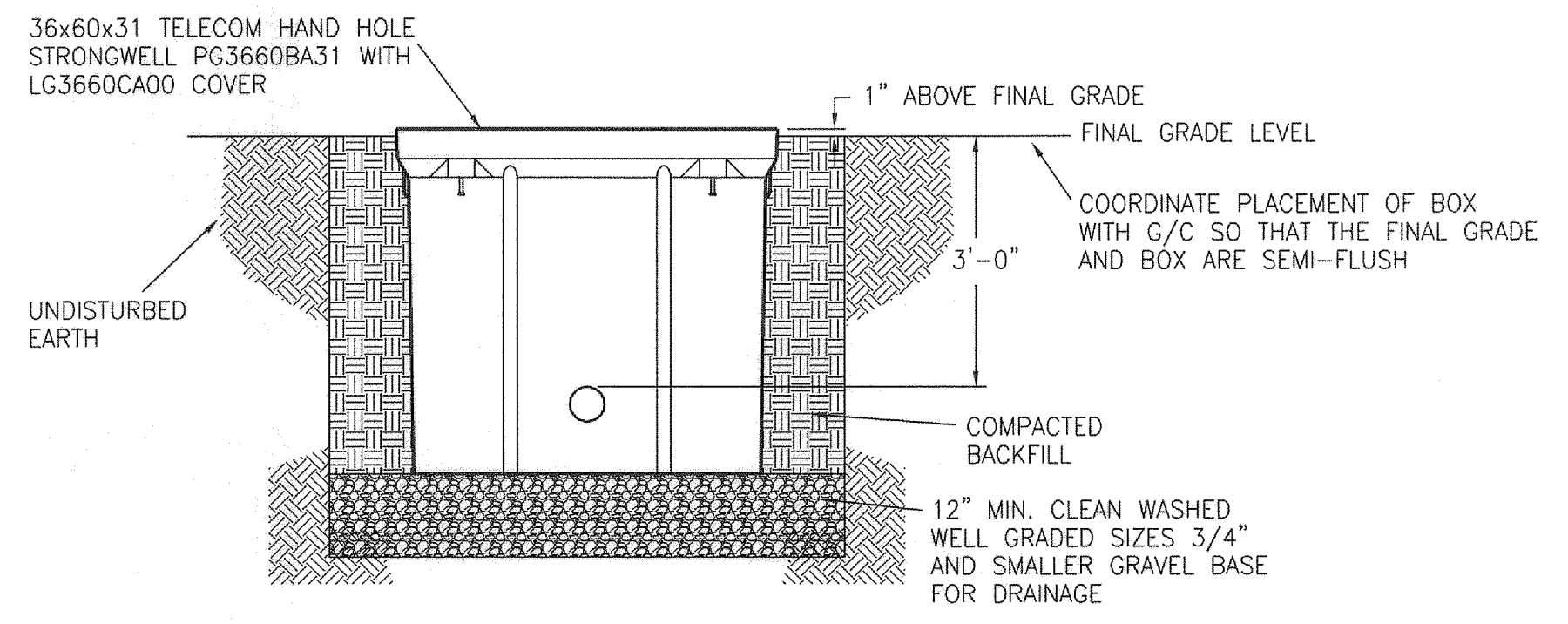
- CONDUITS THAT HAVE AN INTERNAL DIAMETER OF 2" OR LESS SHALL HAVE A BEND RADIUS OF AT LEAST 6 TIMES THE INTERNAL CONDUIT DIAMETER AND 10 TIMES THE INTERNAL DIAMETER FOR CONDUITS LARGER THAN 2". WHERE RIGID BENDS ARE NOT USED AND CONDUITS EXCEED MAXIMUM BENDING THE CONDUITS MUST BE ENCASED IN CONCRETE.



UNDERGROUND TELECOM CONDUITS
NO SCALE

GENERAL HANDHOLE NOTES:

- NEW HANDHOLES SHALL CONTAIN (2) 1,500 lbs PULLING EYES LOCATED ON THE SHORT SIDES OF BOX.
- NEW HANDHOLES SHALL CONTAIN (2) 3/8" GALVANIZED STEEL CABLE RACKS AND RACK HOOKS LOCATED ON THE LONG SIDES OF BOX.
- NEW HANDHOLES SHALL CONTAIN A 3/4" DIA. 10'-0" DRIVEN GROUND ROD WITH A #6 COPPER WIRE TO A BUS BAR MOUNTED TO BOX.
- HANDHOLE COVERS SHALL READ "TELECOMMUNICATIONS".
- REFER TO THIS SHEET FOR OUTSIDE PLANT TELECOMMUNICATIONS CONDUIT DETAILS TO BE FOLLOWED INSIDE HANDHOLES.
- IN EACH HANDHOLE AND IN EACH BUILDING THE T/C SHALL PROVIDE A 50'-0" SERVICE LOOP FOR FIBER CABLING ONLY.
- EACH CABLE SHALL CABLE TAGS AT EACH HANDHOLE AND AT EACH END. CABLE TAGS SHALL BE PROVIDED AND INSTALLED BY T/C. VERIFY WITH ASU IT FOR CABLE TAG LABELING.



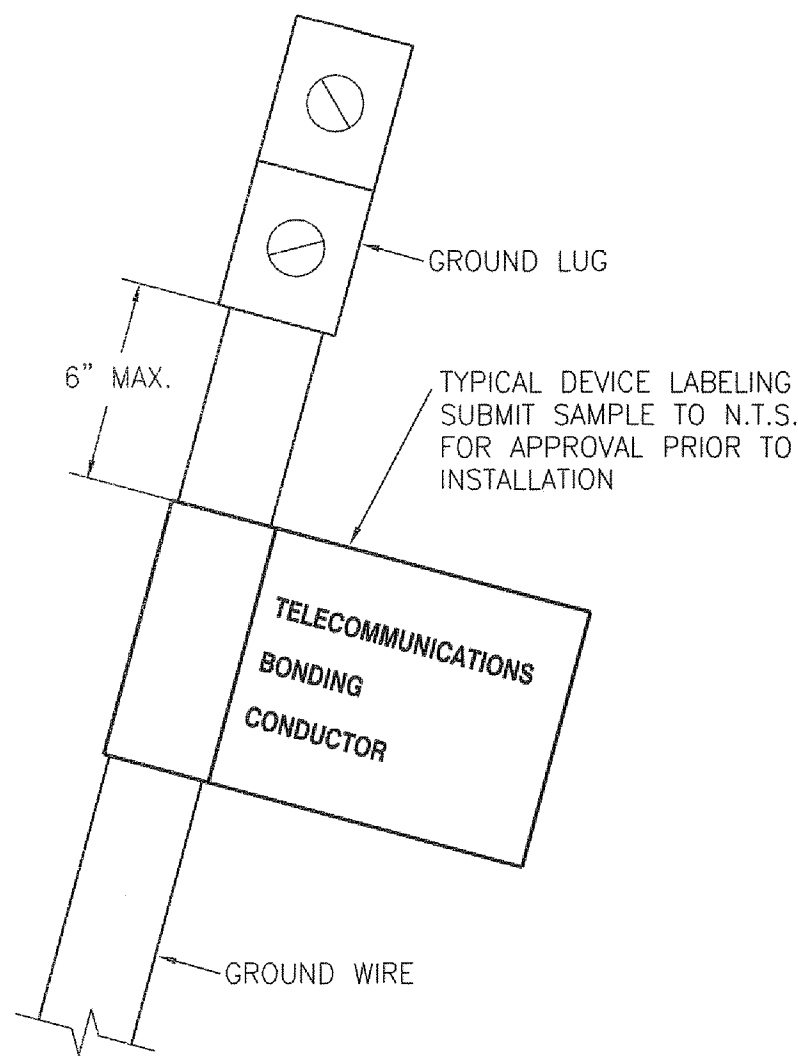
HAND HOLE DETAIL
1/2" = 1'-0" NEW HH-1



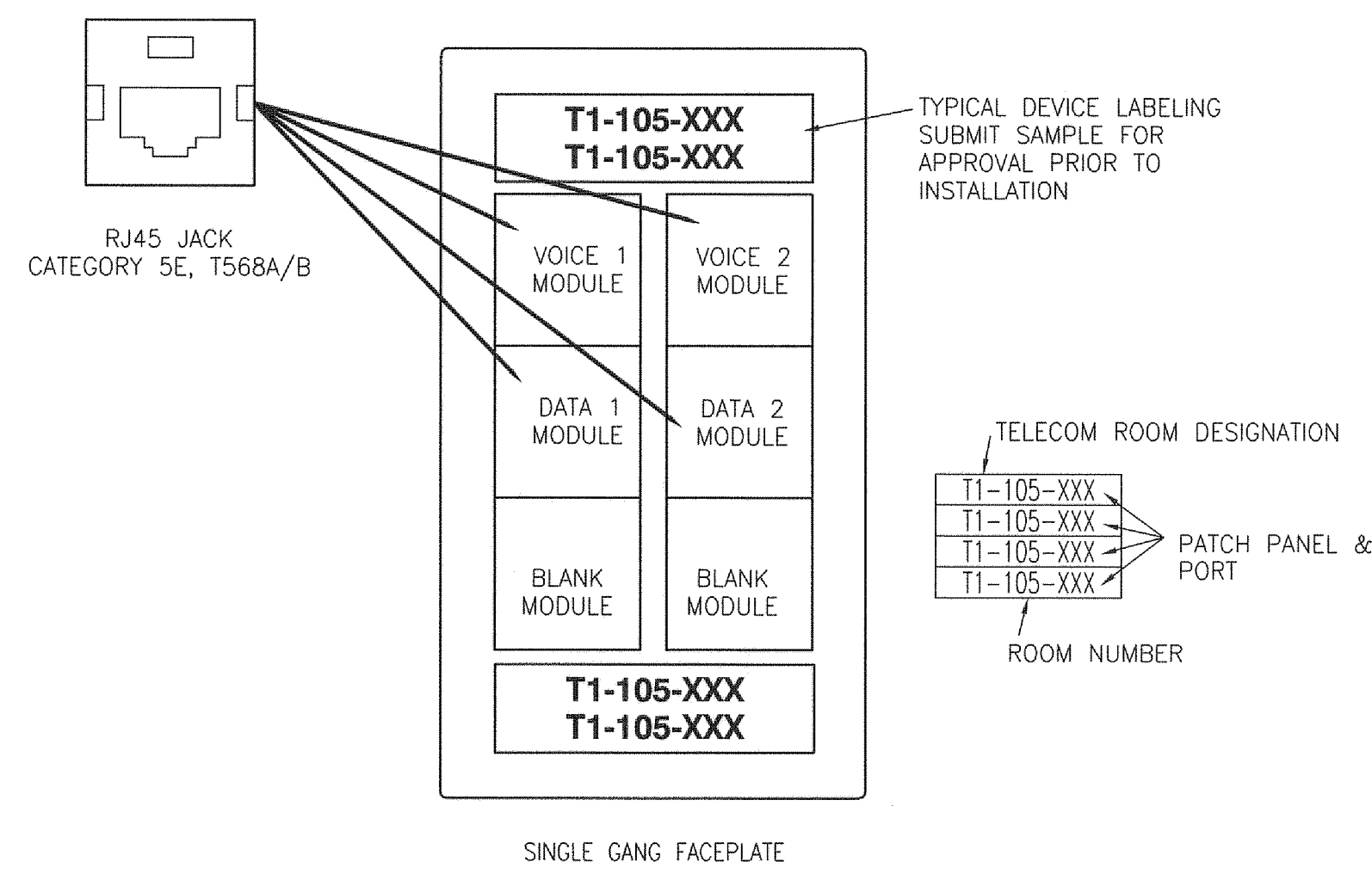
EXPIRES 12/31/09
Reg. No. 02411
4/24/08



GROUND WIRE LABEL
NO SCALE



SINGLE GANG FACEPLATE DETAIL
NO SCALE WALL PLATE

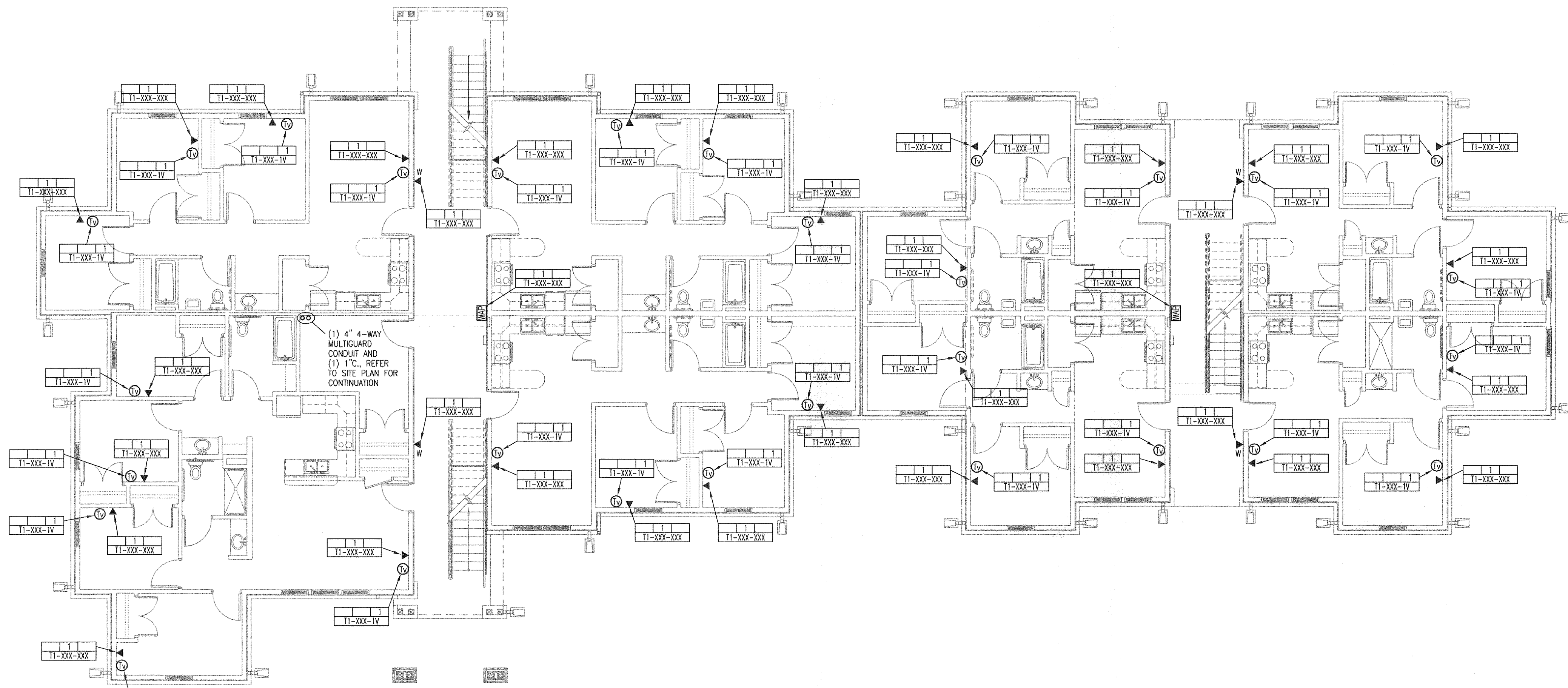


- NOTES:**
1. RUN EXPOSED FIBER IN 1 1/4" INNERDUCT CARLON RISER-GUARD/OPTI-GUARD DF4X1-200
 2. VERIFY ROOM NUMBERS WITH OWNER PRIOR TO LABELING FACEPLATES.
 3. PROVIDE BONDING JUMPERS BETWEEN ALL SECTIONS OF WIRE BASKET RUNWAY.
 4. PROVIDE A #6 GREEN GROUND WIRE FROM BUSBAR TO ALL RACKS. LABEL ACCORDING TO OWNER SPECIFICATIONS. SEE DETAIL.
 5. PROVIDE A #6 GREEN GROUND WIRE FROM BUSBAR TO ALL BACKBONE COPPER SPLICE CASES. LABEL ACCORDING TO OWNER SPECIFICATIONS. SEE DETAIL.
 6. CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS PRIOR TO INSTALLATION.
 7. PROVIDE LABELING OF ALL RACKS AND LOCATE ON TOP RAIL. SUBMIT SAMPLE TO N.T.S. FOR APPROVAL PRIOR TO INSTALLATION.
 8. PROVIDE LABELING FOR ALL GROUND WIRE AT EVERY TERMINATION POINT. SUBMIT SAMPLE TO N.T.S. FOR APPROVAL PRIOR TO INSTALLATION.
 9. T/C TO INSTALL FIRE STOP IN ALL SLEEVES AND CONDUITS. INSTALL PER MANUFACTURERS LISTED UL SYSTEM.
 10. CONDUITS THAT HAVE AN INTERNAL DIAMETER OF 2" OR LESS SHALL HAVE A BEND RADIUS OF AT LEAST 6 TIMES THE INTERNAL CONDUIT DIAMETER AND 10 TIMES THE INTERNAL DIAMETER FOR CONDUITS LARGER THAN 2".
 11. MOUNT ALL CABLES WITH A D-RING OR OTHER ACCEPTABLE FASTENER. PROVIDE WIRE TIES EVENLY SPACED TO PROVIDE A CLEAN INSTALLATION.
 12. ALL TELECOMMUNICATIONS CABLING SHALL FOLLOW ASU'S STANDARDS AND SPECIFICATIONS. CONTACT ASU TO ACQUIRE A COPY.

LEGEND:

SYMBOL	DESCRIPTION	REMARKS
▼	TELECOMMUNICATIONS OUTLET	1
▼ W	TELECOMMUNICATIONS OUTLET WALL PHONE PLATE	2
▼ AV	AUDIO/VISUAL OUTLET	3
---	EMT CONDUIT BY E/C (1 1/4" UNLESS NOTED OTHERWISE)	4
---	EMT SLEEVE BY E/C (2" UNLESS NOTED OTHERWISE)	4
□	DUPLEX RECEPTACLE	
⊕	FOURPLEX RECEPTACLE	
■	SURFACE PANELBOARD	
▬	WIRE BASKET RUNWAY	
AFF	ABOVE FINISHED FLOOR	
T/C	TELECOMMUNICATION CONTRACTOR	
E/C	ELECTRICAL CONTRACTOR	
G/C	GENERAL CONTRACTOR	
AC	DEVICE LOCATED ABOVE COUNTER	
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR	
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR	
---	TELECOMMUNICATIONS CABLING	5
TCP	TEMPERATURE CONTROL PANEL	
FACP	FIRE ALARM CONTROL PANEL	
SM	SINGLEMODE FIBER	
MM	MULTIMODE FIBER	
WAP	WIRELESS ACCESS POINT	6
BET	BUILDING ENTRANCE TERMINAL (PROTECTOR UNIT)	
SC	SECURITY CAMERA BY OWNER	7
LR	LATCH RETRACTION BY OTHERS	
CR	CARD READER WITH 2x4 BACKBOX BY OTHERS	
DP	DOOR POSITION BY OTHERS	
VOICEDATAVIDEO TELECOM OUTLET	TELECOMMUNICATIONS CABLING IDENTIFIER	

- REMARKS:**
- 1 - 4x4 BACKBOX W/ SINGLE GANG PLASTER RING AND 1" CONDUIT TO ATTIC AS INDICATED ON DRAWINGS BY E/C.
 - 2 - 2x4 BACKBOX WITH 3/4" CONDUIT TO ATTIC BY E/C. T/C TO ROUTE CABLE TO BOX AND LEAVE A 2' SERVICE LOOP. OWNER TO PROVIDE PHONE.
 - 3 - 4x4 STEEL CITY BACKBOX, MODEL NUMBER 72171-1-1/4 WITH DOUBLE GANG PLASTER RING BY E/C. MODIFY BOX TO ACCEPT A 2" CONDUIT.
 - 4 - E/C TO PROVIDE CONDUIT BUSHING ON CONDUIT PRIOR TO T/C INSTALLING CABLING.
 - 5 - CABLING SHALL BE SUPPORTED WITH HOOKS AT 48" O.C. WHERE NOT IN CONDUIT.
 - 6 - 2x4 BACKBOX WITH A 3/4" CONDUIT UP TO ATTIC BY E/C.
 - 7 - E/C TO PROVIDE A 4x4 BACKBOX AND 1" EMT CONDUIT TO ATTIC. T/C TO ROUTE CABLE TO BACKBOX AND LEAVE A 2' SERVICE LOOP.

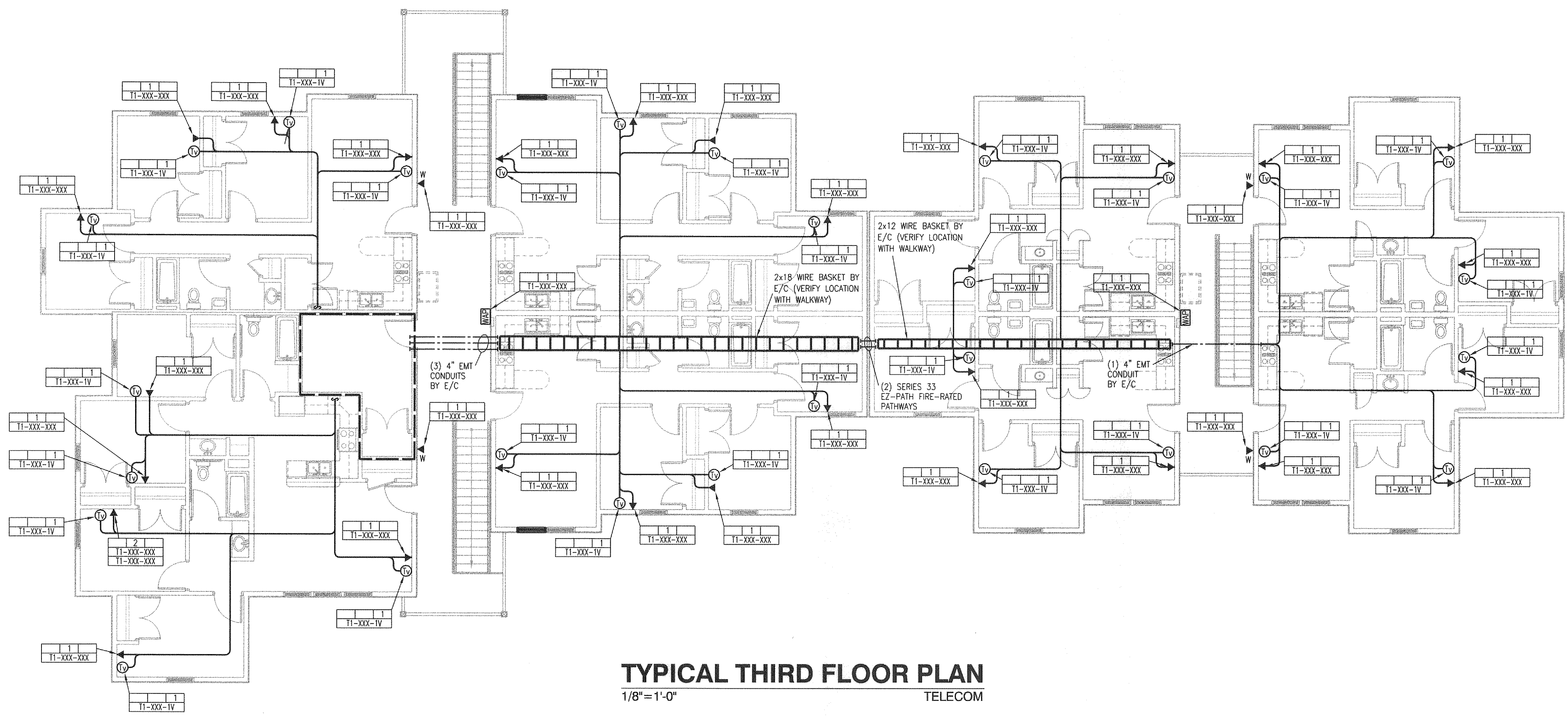


TYPICAL FIRST FLOOR PLAN
1/8" = 1'-0" TELECOM

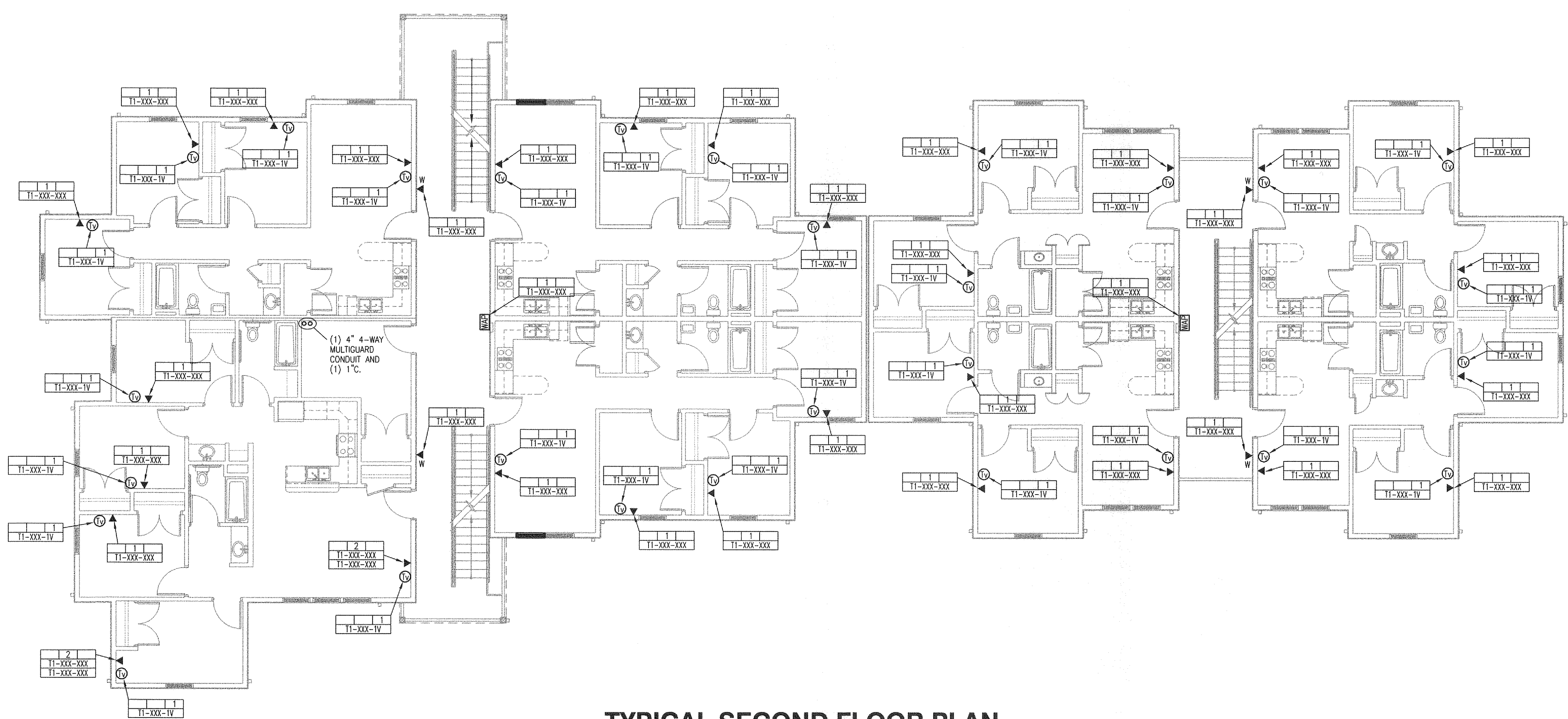
- ROUTING NOTES:**
1. ALL TELECOM OUTLETS AND CATV OUTLETS ON THIS FLOOR SHALL RUN CONTINUOUS TO ATTIC. NO GANGING OF OUTLET BOXES WILL BE ALLOWED. E/C TO PROVIDE REQUIRED SLEEVES AND CONDUITS TO GET CABLING TO THE TELECOM ROOM.

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TYPICAL THIRD FLOOR PLAN
1/8" = 1'-0" TELECOM



TYPICAL SECOND FLOOR PLAN
1/8" = 1'-0" TELECOM

ROUTING NOTES:
1. ALL TELECOM OUTLETS AND CATV OUTLETS ON THIS FLOOR SHALL RUN CONTINUOUS TO ATTIC. NO GANGING OF OUTLET BOXES WILL BE ALLOWED. E/C TO PROVIDE REQUIRED SLEEVES AND CONDUITS TO GET CABLING TO THE TELECOM ROOM.

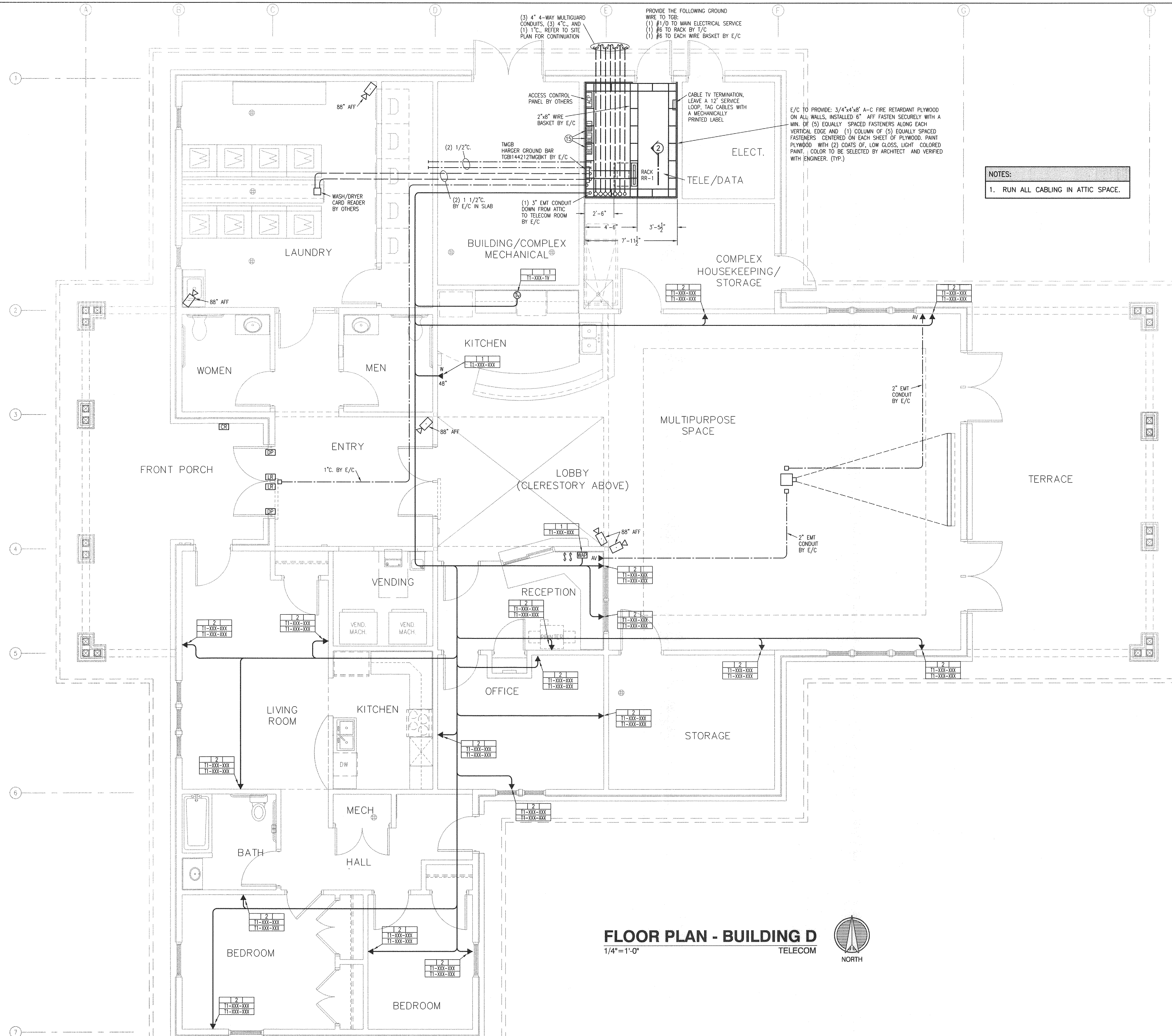
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PROJECT TITLE
Student Apartments
Arkansas State University
Jonesboro, Arkansas

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TYPICAL SECOND AND THIRD FLOOR PLANS - BUILDINGS A, B & C - TELECOM

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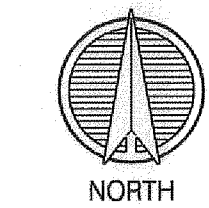


PROVIDE THE FOLLOWING GROUND WIRE TO TGB:
 (1) #1/0 TO MAIN ELECTRICAL SERVICE
 (1) #6 TO RACK BY 1/2
 (1) #6 TO EACH WIRE BASKET BY E/C

E/C TO PROVIDE: 3/4"x4"x8' A-C FIRE RETARDANT PLYWOOD ON ALL WALLS. INSTALLED 6" AFF FASTEN SECURELY WITH A MIN. OF (5) EQUALLY SPACED FASTENERS ALONG EACH VERTICAL EDGE AND (1) COLUMN OF (5) EQUALLY SPACED FASTENERS CENTERED ON EACH SHEET OF PLYWOOD. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT. COLOR TO BE SELECTED BY ARCHITECT AND VERIFIED WITH ENGINEER. (TYP.)

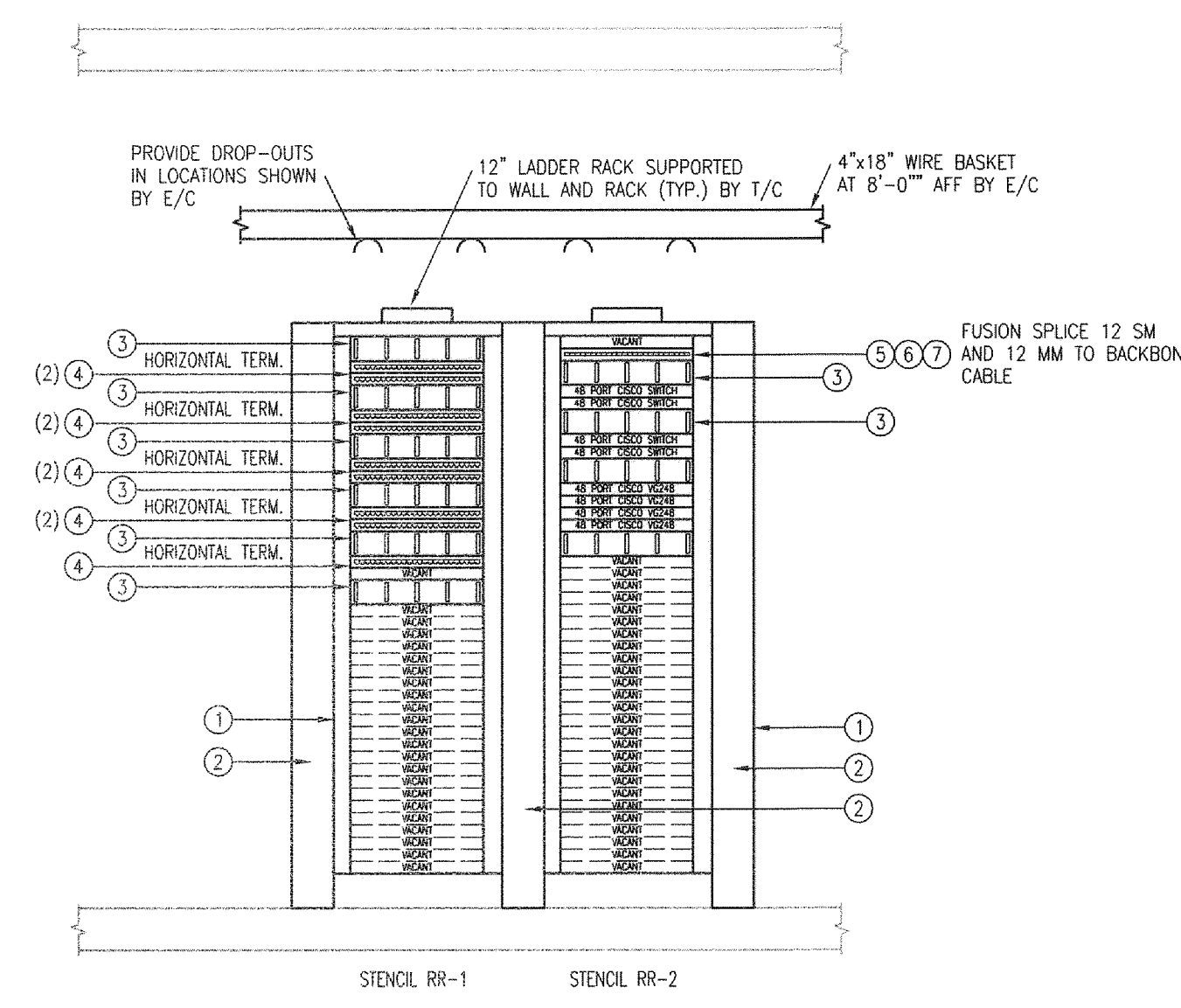
NOTES:
 1. RUN ALL CABLING IN ATTIC SPACE.

FLOOR PLAN - BUILDING D
 1/4"=1'-0" TELECOM

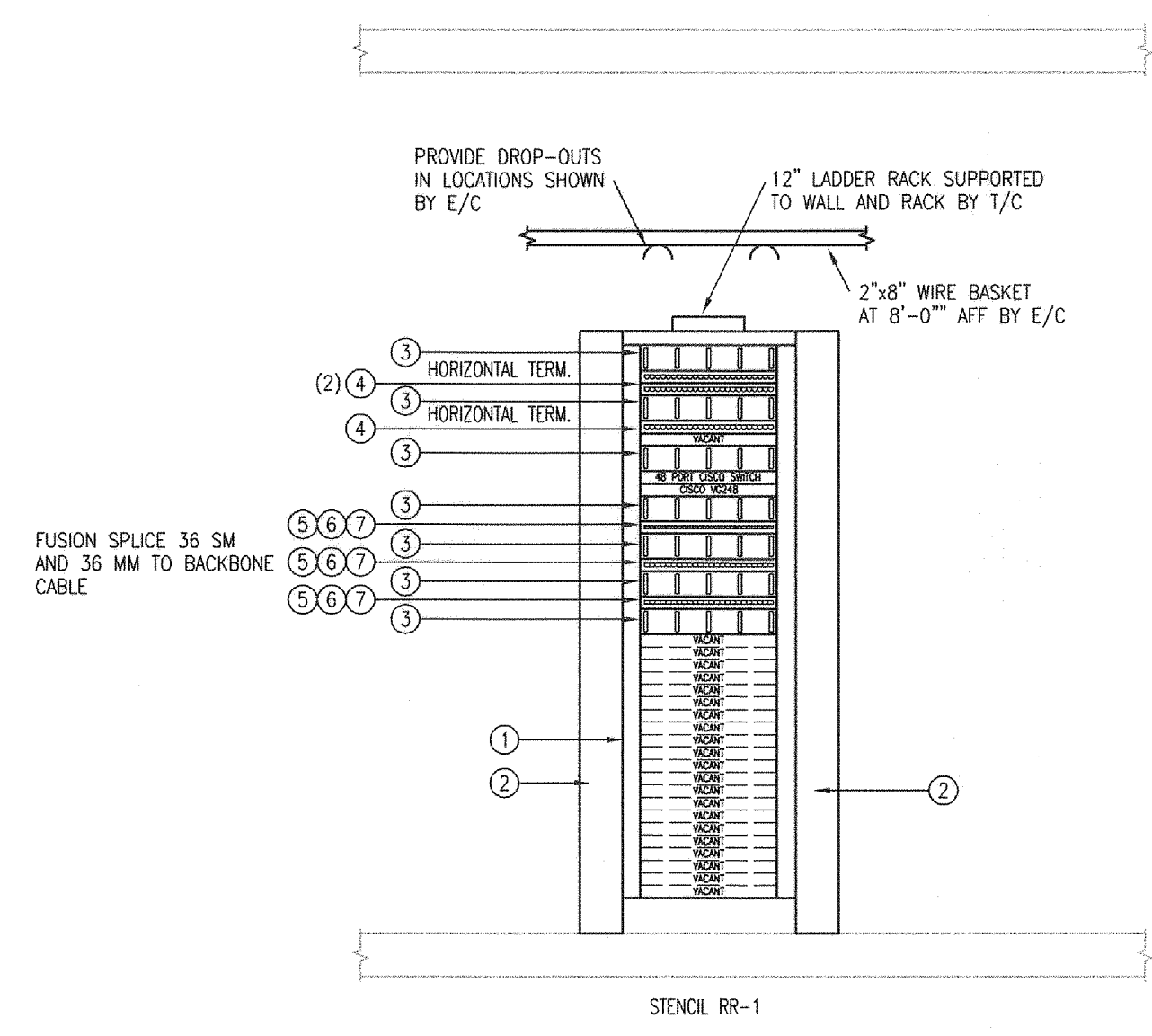


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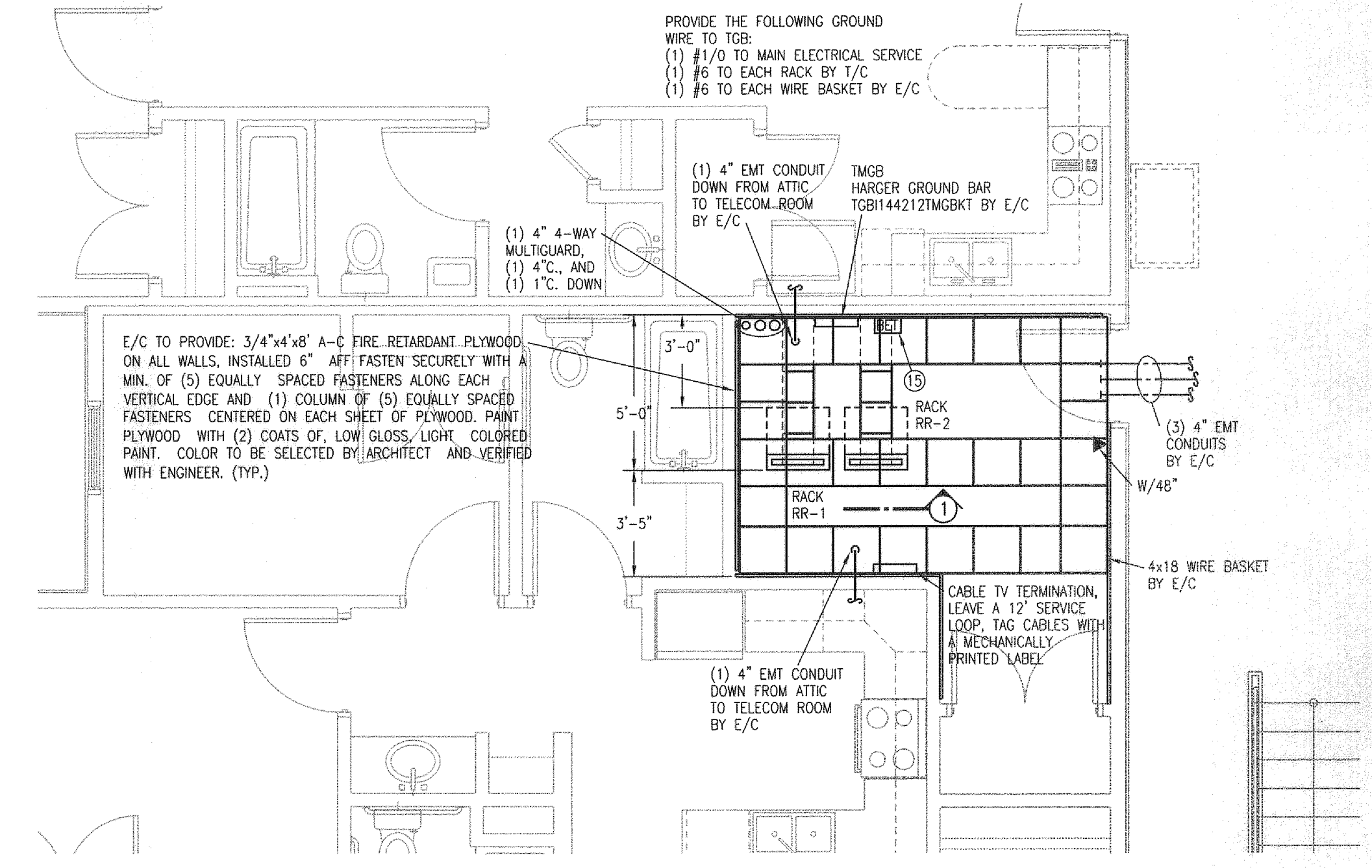
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TELECOMMUNICATIONS ROOM ELEVATION 1
1/2" = 1'-0"
APARTMENTS



TELECOMMUNICATIONS ROOM ELEVATION 2
1/2" = 1'-0"
COMMONS BUILDING

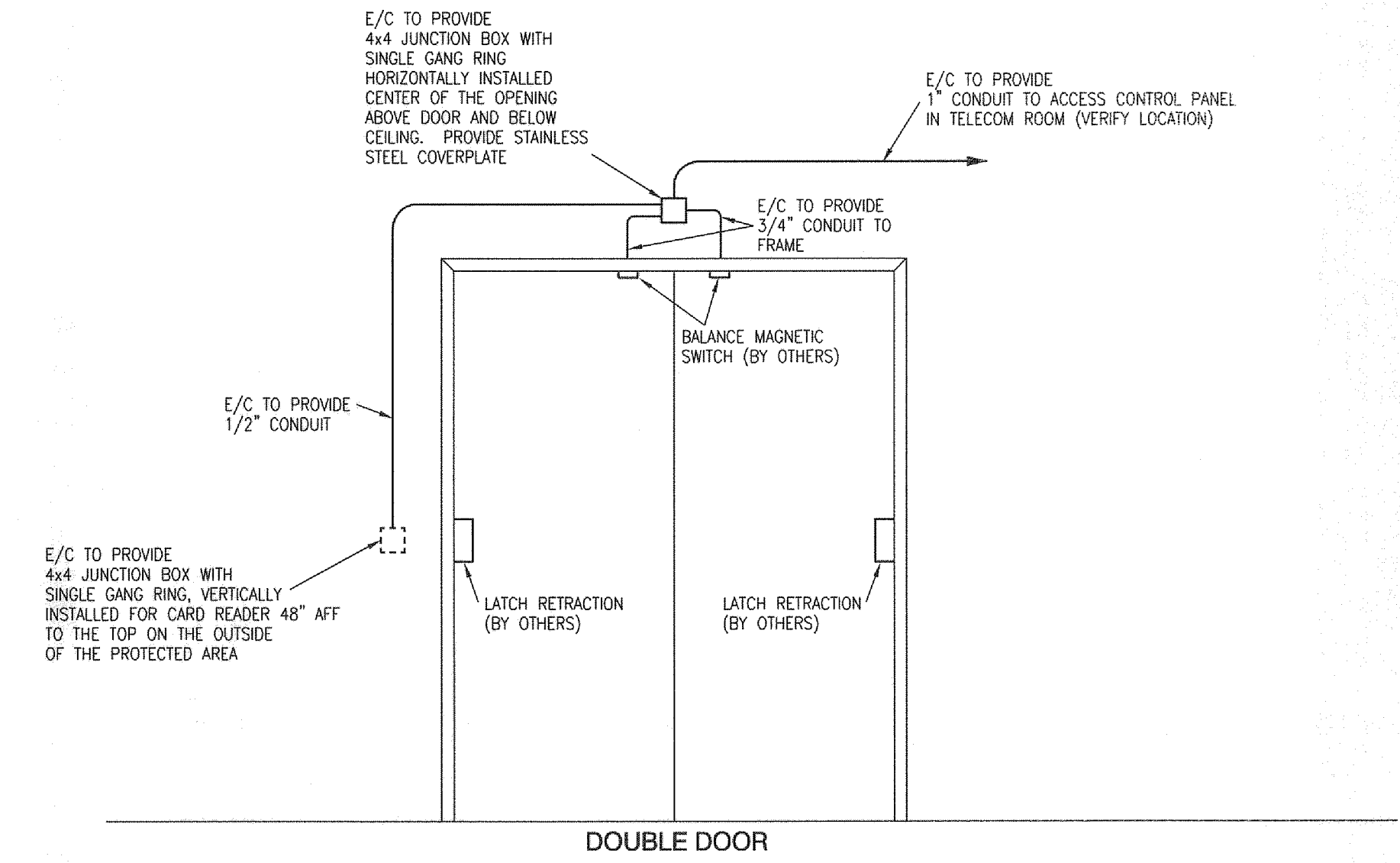


PARTIAL THIRD FLOOR PLAN
1/8" = 1'-0"
TELECOM

TELECOMMUNICATIONS HARDWARE SCHEDULE						
MARK	MANUFACTURER	MODEL NUMBER	PROVIDED BY	INSTALLED BY	DESCRIPTION	REMARKS
1	CHATSWORTH	55053-703	T/C	T/C	2-POST, 7' EQUIPMENT RACK	3
2	CHATSWORTH	30162-703	T/C	T/C	6"x7" VERTICAL CABLE MGMT CHANNEL WITH COVER	
3	CHATSWORTH	30130-719	T/C	T/C	HORIZONTAL WIRE MANAGEMENT PANEL	
4	ADC	TPNP-NNC10-NN	T/C	T/C	CATEGORY 6A PATCH PANEL - 24 PORT	4
5	CORNING	CCS-01U	T/C	T/C	RACK MOUNT FIBER CABINET (1U TALL)	
6	ADC	CCH-CP12-19T-P03RH	T/C	T/C	SINGLE MODE CONNECTOR PANEL WITH PIGTAIL	5
7	ADC	CCH-CP12-15T-P03KH	T/C	T/C	MULTI-MODE CONNECTOR PANEL WITH PIGTAIL	5
8	ADC	6631 2 125-10	T/C	T/C	COLOR CODED TABS - ORANGE (6 PACK)	
9	ADC	6645 1 157-02	T/C	T/C	F-CONNECTOR MODULE	
10	ADC	6830 1 830-10	T/C	T/C	CAT6 MODULE	2, 4
11	ADC	6644 1 152-02	T/C	T/C	2-PORT FACEPLATE (IVORY)	
12	ADC	6645 1 160-02	T/C	T/C	BLANK MODULE	2
13	CABLOFIL EZ-TRAY	CF XX/XXX EZ	E/C	E/C	WIRE BASKET TRAY SIZE AS SHOWN ON PLANS	1, 6, 7, 10
14	WIREMOLD	CR512-BK	T/C	T/C	LADDER RACK	9
15	CIRCA	26250C-4B1FS-240	T/C	T/C	25 PAIR PRELOADED BUILDING ENTRANCE TERMINAL	
16	EZ-PATH	EZDP33FWS	E/C	E/C	SERIES 33 FIRE RATED PATHWAY	1
17	QUAZITE	PG2436BA30	T/C	T/C	PULL BOX	
18	QUAZITE	PG2436CA00	T/C	T/C	PULL BOX COVER	

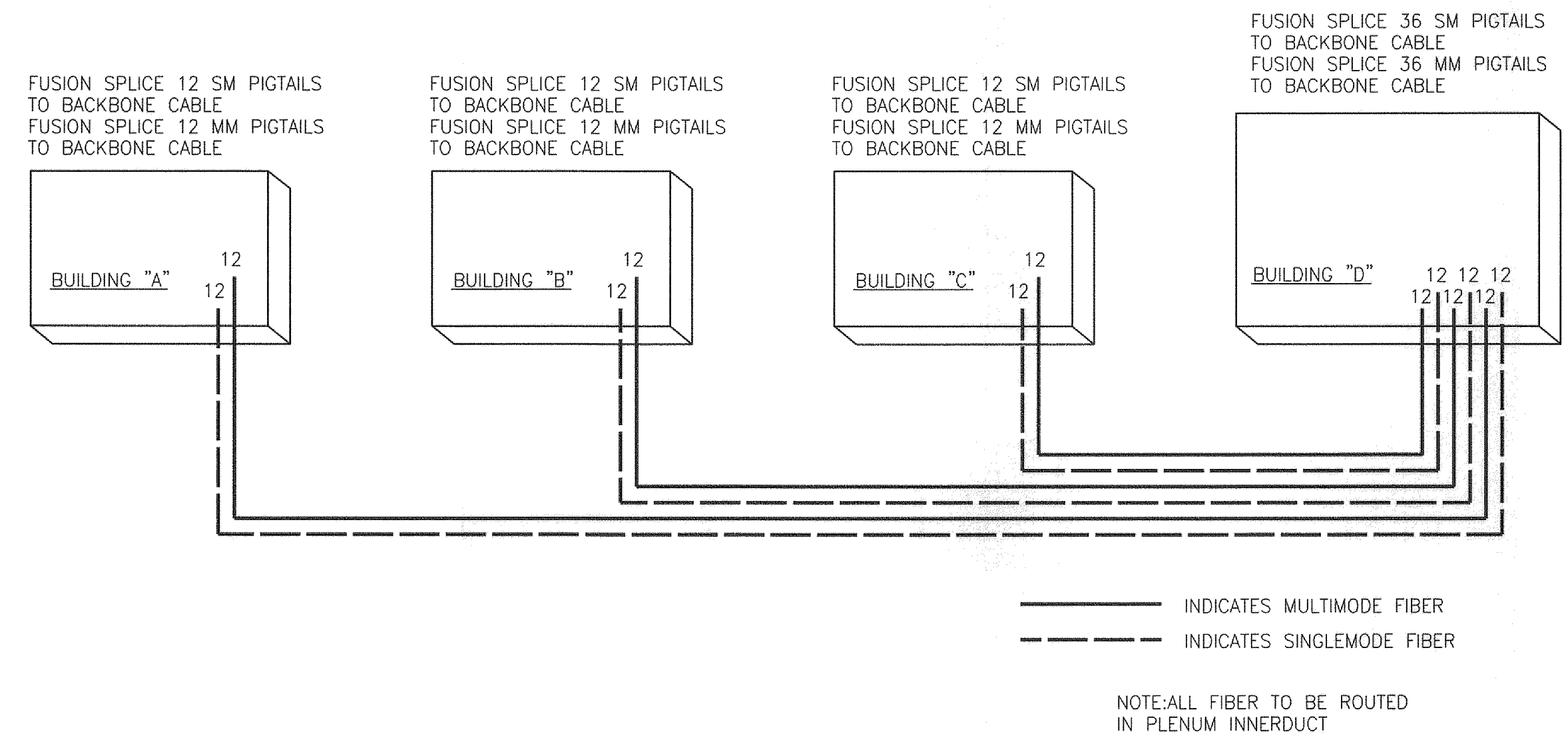
- REMARKS:
- 1 - PROVIDE ASSOCIATED HARDWARE COMPONENTS TO COMPLETE INSTALLATION PER MFG REQUIREMENTS.
 - 2 - PROVIDE CONNECTORS WITH 3 METER PIGTAILS.
 - 3 - PROVIDE WITH LADDER RACK AT TOP OF RACK TO STRUCTURAL BUILDING COMPONENT.
 - 4 - WIRE CABLING T568B.
 - 5 - PROVIDE LABELS, STRAIN RELIEF, SLACK STORAGE, AND MOUNTING HARDWARE.
 - 6 - EQUIVALENTS BY FLEX-TRAY, B-LINE, AND WIREMOLD 2x8 AND LARGER.
 - 7 - PROVIDE DROPS-OUTS AS REQUIRED.
 - 8 - PROVIDE SUREFACE MOUNT BOX AND FACEPLATE FOR TERMINATION.
 - 9 - EQUIVALENT BY CHATSWORTH. PROVIDE WALL ANGLE ASSEMBLY AND J-BOLTS TO ATTACH TO WALL AND RACKS.
 - 10 - PROVIDE SEISMIC BRACING AT A MINIMUM OF 25'-0" O.C.

TELECOMMUNICATION CABLEING SCHEDULE							
MARK	DESCRIPTION	CABLE CONDUCTORS	MANUFACTURER	MODEL NUMBER	NOMINAL O.D.	JACKET COLOR	REMARKS
1	CATEGORY 6 COPPER CABLE (CMR)	4 PR	ADC	TN6SR-BLRB	0.215	BLUE	
2	SERIES 6 (RG6) COAX CABLE (CMR)	1	UNIPRISE	5765	0.272	BLACK	
3	SINGLE MODE FIBER (CMR)	12	CORNING	012KWC-T4130-A20	0.51	BLACK	
4	MULTI-MODE FIBER (CMR)	12	CORNING	012EWC-T4101-A20	0.51	BLACK	
5	OUTSIDE PLANT COPPER CABLE (CMR)	25 PR	SUPERIOR ESSEX	22-097-83	0.55	BLACK	

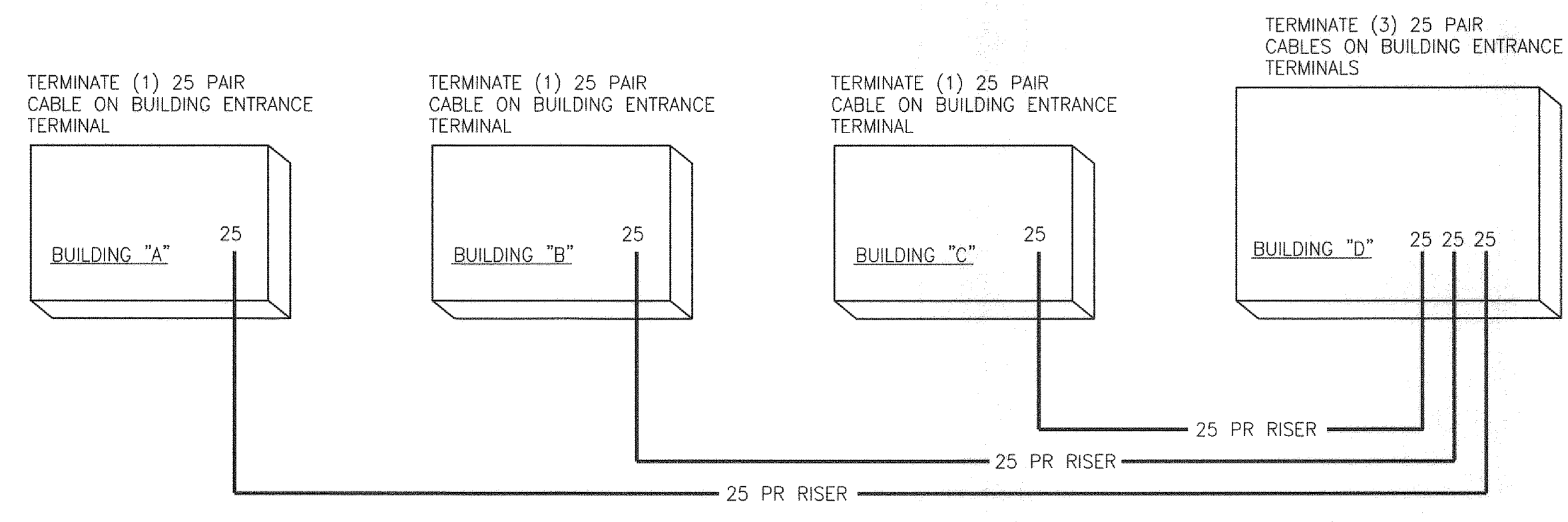


TYPICAL ACCESS CONTROL DOOR DETAIL
NO SCALE





FIBER BACKBONE CABLE TERMINATION DETAIL
NO SCALE



COPPER BACKBONE CABLE TERMINATION DETAIL
NO SCALE

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