

NEW RESIDENCE HALL COMMUNITY ARKANSAS STATE UNIVERSITY



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Arkansas Governor



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University President

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architects
Jonesboro, Arkansas



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CODE DATA

**ARKANSAS FIRE PREVENTION CODE DATA
2000 INTERNATIONAL BUILDING CODE**

RESIDENCE HALLS

OCCUPANCY CLASSIFICATION Residential, Group R-2
Dormitories

BUILDING AREA
BUILDINGS ONE, TWO, THREE, FOUR, AND FIVE
First Floor 15,000 sq. ft.
Second Floor 14,504 sq. ft.
Third Floor 14,504 sq. ft.
TOTAL BUILDING AREA 44,008 sq. ft.

BUILDING HEIGHT 47'-3"
NUMBER OF STORIES Three (3)
TYPE OF CONSTRUCTION Type V B, Sprinklered

ALLOWABLE HEIGHT (Table 503, Section 504.2) 60'-0"
(With Height Modifications)

ALLOWABLE AREA (Table 503, Section 506) 21,000 sq. ft. per floor
(With Area Modifications)

MAXIMUM NO. OF STORIES (Table 503, Section 504.2) Three (3)
(With Height Modifications)

BUILDING SETBACKS
Minimum 30'-0" between buildings and property lines.

FIRE RESISTANCE RATINGS
One hour rated corridor walls
One hour separation between dwelling units
45 minute separation between building floors
One hour stairs

OCCUPANCY LOAD (Table 1003.2.2.2)
TYPICAL EACH BUILDING
First floor 228
Second floor 218
Third floor 218
Total Occupancy (each building) 664

EXIT ACCESS STRATEGY
1 Hour Rated Stair Shafts
1 Hour Rated Corridor Walls

EXIT REQUIREMENTS
Min. No. of Exits 3
Egress Level 2" per Person
Minimum Door Size 32" (36" ADA)
Maximum Distance to Exit 200'-0"

SEISMIC DESIGN CATEGORY CATEGORY D, USE GROUP 1

COMMONS BUILDING

OCCUPANCY CLASSIFICATION Business, Group B

BUILDING AREA
TOTAL BUILDING AREA 3,186 sq. ft.

BUILDING HEIGHT 21'-9"
NUMBER OF STORIES One (1)
TYPE OF CONSTRUCTION Type V B, Sprinklered

ALLOWABLE HEIGHT (Table 503) 40'-0"

ALLOWABLE AREA (Table 503) Business, Group B - 9,000 sq. ft.

MAXIMUM NO. OF STORIES (Table 503) Two (2)

BUILDING SETBACKS
Minimum 30'-0" between buildings and property lines.

FIRE RESISTANCE RATINGS
One hour separation between laundry and business area.

OCCUPANCY LOAD (Table 1003.2.2.2)
Total Occupancy 32

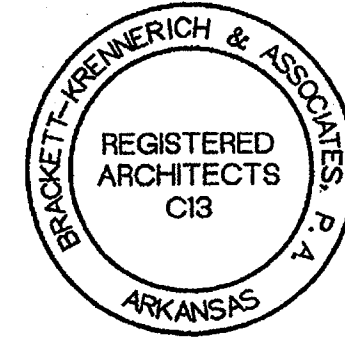
EXIT ACCESS STRATEGY
Exit directly to exterior of building

EXIT REQUIREMENTS
Min. No. of Exits 1
Egress Level 2" per Person
Minimum Door Size 32" (36" ADA)
Maximum Distance to Exit 100'-0"

SEISMIC DESIGN CATEGORY CATEGORY D, USE GROUP 1

I hereby certify that these plans and specifications have been prepared by me, or under my supervision. I further certify that to the best of my knowledge these plans and specifications are as required by law and in compliance with the Arkansas Fire Prevention Code for the State of Arkansas.

George J. Krennerich III 9/10/04
George J. Krennerich III



INDEX TO DRAWINGS

SHEET NUMBER	DESCRIPTION
CIVIL	
C001	SITE PLAN
C002	SITE DETAILS
C101	DEMOLITION AND STORM WATER POLLUTION PREVENTION PLAN
C301	SITE DRAINAGE PLAN
C401	SITE UTILITY PLAN
C501	SITE CIVIL DETAILS
C502	SITE CIVIL DETAILS
ARCHITECTURAL	
A001	SHEET OMITTED
A002	VISUAL WALL TYPES, DUMPSTER PLAN AND ELEVATIONS, DETAILS
A003	DOOR SCHEDULE, VISUAL DOOR TYPES, DOOR DETAILS
A004	VISUAL WINDOW TYPES, WINDOW DETAILS, LOUVER DETAILS
A101	BUILDINGS ONE, TWO, FOUR, AND FIVE FLOOR PLANS
A102	BUILDING THREE FLOOR PLAN
A103	COMMONS BUILDING FLOOR PLAN, FINISH SCHEDULE, ROOF PLAN, AND REFLECTED CEILING PLAN
A104	ENLARGED SUITE PLANS, SUITE FINISH SCHEDULE
A105	BUILDINGS ONE, TWO, FOUR, AND FIVE LOBBY PLANS
A106	BUILDING THREE LOBBY PLAN
A107	ROOF PLANS
A108	ROOF DETAILS
A201	BUILDING ONE, TWO, FOUR, AND FIVE EXTERIOR ELEVATIONS, ENLARGED ELEVATIONS
A202	BUILDING THREE EXTERIOR ELEVATIONS, ENLARGED ELEVATIONS
A203	COMMONS BUILDING ELEVATIONS AND BUILDING SECTIONS
A301	ENLARGED STAIR PLANS, STAIR DETAILS
A302	STAIR SECTIONS
A401	SUITE REFLECTED CEILING PLANS
A402	BUILDINGS ONE, TWO, FOUR, AND FIVE LOBBY REFLECTED CEILING PLANS
A403	BUILDING THREE LOBBY REFLECTED CEILING PLANS
A500	WALL SECTIONS
A501	WALL SECTIONS, DETAILS
A502	WALL SECTIONS
A503	WALL SECTIONS, DETAILS
A601	ENLARGED TOILET PLANS, TOILET ELEVATIONS, SHELVING ELEVATIONS, ADA MOUNTING HEIGHTS, JANITOR CLOSET ELEVATION, MILLWORK ELEVATIONS
A602	CABINET SECTIONS

SHEET NUMBER	DESCRIPTION
STRUCTURAL	
S000	GENERAL NOTES, BASE PLATES
S100	OVERALL FOUNDATION PLANS
S200	PARTIAL FOUNDATION PLAN
S300	FOUNDATION DETAILS
S300	OVERALL SECOND FLOOR FRAMING PLAN
S301	PARTIAL SECOND FLOOR FRAMING PLANS
S302	PARTIAL SECOND FLOOR FRAMING PLAN
S303	OVERALL THIRD FLOOR FRAMING PLAN
S304	PARTIAL THIRD FLOOR FRAMING PLANS
S305	OVERALL ROOF FRAMING PLAN
S306	PARTIAL ROOF FRAMING PLANS
S307	PARTIAL ROOF FRAMING PLAN
S400	FRAMING DETAILS
S401	FRAMING DETAILS
S402	FRAMING DETAILS
S500	ATS SHEAR PANEL ELEVATION AND MISC. DETAILS
S501	TRUSS PROFILES
S502	TRUSS PROFILES
S800	COMMONS BUILDING ROOF FRAMING AND FOUNDATION PLAN

SHEET NUMBER	DESCRIPTION
PLUMBING / MECHANICAL	
M101	BUILDING ONE, TWO, FOUR, AND FIVE PLUMBING PLAN
M102	BUILDING THREE PLUMBING PLAN
M103	COMMONS BUILDING PLUMBING PLAN
M104	QUAD SUITE PLUMBING PLANS
M105	BUILDING ONE, TWO, FOUR, AND FIVE LOBBY PLUMBING PLANS
M106	BUILDING THREE LOBBY PLUMBING PLANS
M200	SITE PLAN - HVAC PIPING
M201	BUILDING ONE, TWO, FOUR, AND FIVE HVAC PLANS
M202	BUILDING THREE HVAC PLANS
M203	COMMONS BUILDING HVAC PLANS
M204	QUAD SUITE HVAC PLANS
M205	BUILDING ONE, TWO, FOUR, AND FIVE LOBBY HVAC PLANS
M206	BUILDING THREE LOBBY HVAC PLANS
M301	PLUMBING DETAILS AND SCHEDULES
M302	PLUMBING RISERS
M401	HVAC DETAILS - 1
M402	HVAC DETAILS - 2
M403	HVAC DETAILS - 3
M501	HVAC CONTROL DIAGRAMS - 1
M601	MECHANICAL SCHEDULES AND LEGEND - 1
M602	HVAC SCHEDULES - 2
M603	HVAC SCHEDULES - 3
M604	HVAC SCHEDULES - 4
M605	HVAC SCHEDULES - 5
M606	HVAC SCHEDULES - 6

SHEET NUMBER	DESCRIPTION
ELECTRICAL	
E101	SITE PLAN - ELECTRICAL
E102	ELECTRICAL SITE DETAILS
E201	BUILDING ONE, TWO, FOUR, AND FIVE - LIGHTING PLANS
E202	BUILDING ONE, TWO, FOUR, AND FIVE - POWER AND SYSTEMS PLANS
E203	BUILDING THREE - LIGHTING PLANS
E204	BUILDING THREE - POWER AND SYSTEMS PLANS
E205	COMMONS BUILDING - LIGHTING, POWER, AND SYSTEMS PLANS
E206	QUAD SUITE - LIGHTING, POWER, AND SYSTEMS PLANS
E207	BUILDING ONE, TWO, FOUR, AND FIVE LOBBY - LIGHTING PLANS
E208	BUILDING ONE, TWO, FOUR, AND FIVE LOBBY - POWER AND SYSTEMS PLANS
E209	BUILDING THREE LOBBY - LIGHTING PLANS
E210	BUILDING THREE LOBBY - POWER AND SYSTEMS PLANS
E301	ELECTRICAL DETAIL SHEET - 1
E401	BUILDING ONE, TWO, THREE, FOUR, AND FIVE VOICE/DATA RISER DIAGRAM
E402	COMMONS BUILDING VOICE/DATA AND CABLE TV RISER DIAGRAMS
E403	BUILDING ONE, TWO, THREE, FOUR, AND FIVE CABLE TV RISER DIAGRAM
E404	BUILDING ONE, TWO, THREE, FOUR, FIVE AND COMMONS FIRE ALARM RISER DIAGRAM
E405	BUILDING ONE THROUGH BUILDING FIVE AND COMMONS BUILDING POWER SYSTEM RISER DIAGRAMS
E501	PANEL SCHEDULES - 1
E502	PANEL SCHEDULES - 2
E601	ELECTRICAL SCHEDULES AND GENERAL NOTES

SHEET NUMBER	DESCRIPTION
FIRE PROTECTION	
FP101	BUILDING ONE, TWO, FOUR, AND FIVE FIRE PROTECTION PLAN
FP102	BUILDING THREE FIRE PROTECTION PLAN
FP103	COMMONS BUILDING FIRE PROTECTION PLAN
FP201	PARTIAL FLOOR PLAN, RISERS, LEGENDS, AND DETAILS

CIVIL

1. Drawings: Sheets C001 and C002
Omit Sheets C001 and C002; replace with revised C001R and C002R dated November 24, 2004 included herewith.

2. Drawings: Sheets C101, C301, C401, C501 & C502
Omit Sheets C101, C301, C401, C501 and C502; replace with revised C101, C301, C401, C501 and C502 dated November 23, 2004 included herewith.

ELECTRICAL

3. Drawings: Sheet E206
Omit Sheet E206 and replace with revised E206 dated November 23, 2004 included herewith which shows telephone/data/t.v. outlets.

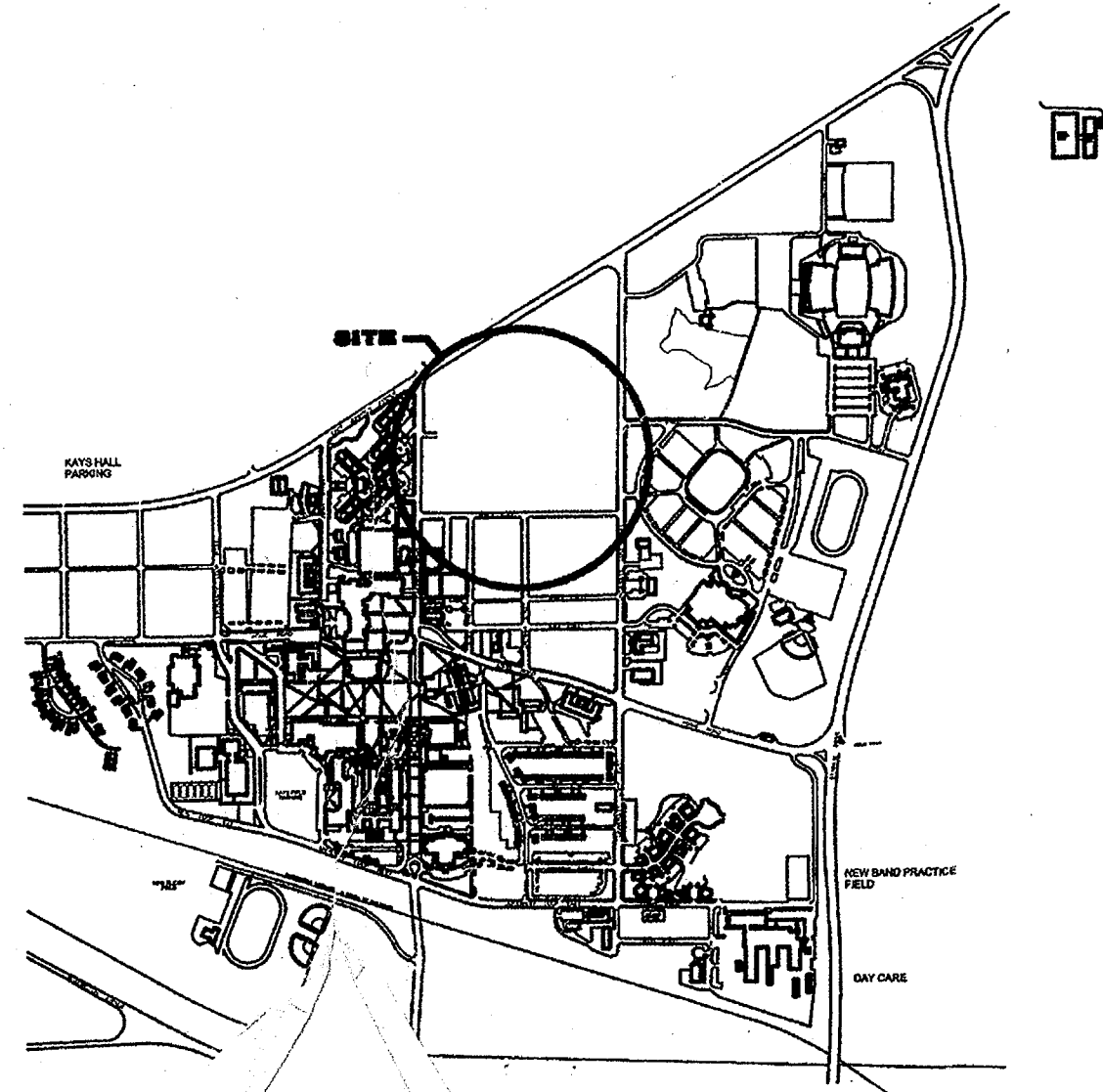
Drawings

1. Refer to revised drawings - Sheets M200, M301, M602, M603, M604, M605, and M606.

ARCHITECTURAL

1. Omit Addendum Number One thru Seven previously issued under Commission Number 10404. The only addendums currently applicable are Numbers Eight and Nine issued under Commission Number 10404R.

VICINITY MAP



SYMBOLS

SECTION		SECTION NUMBER
DETAIL		DETAIL NUMBER
DOOR		SHEET NUMBER
ALUMINUM FRAME		
HOLLOW METAL FRAME		
EXISTING CONTOUR LINE		
NEW CONTOUR LINE		
NEW SPOT ELEVATION		
FINISH ELEVATION		

ABBREVIATIONS

ABOVE FINISH FLOOR	A.F.F.	SQUARE	SQ.
ACOUSTICAL	ACOUST.	SUSPENDED	SUSP.
ALUMINUM	ALUM.	TOP OF CURB	T.O.C.
BOTTOM OF FOOTING	B.O.F.	TOP OF FOOTING	T.O.F.
CENTER LINE	CL	TYPICAL	TYP.
EACH	EA.	WITH	W/
ELECTRIC WATER COOLER	E.W.C.		
FINISH	FIN.		
FIRE EXTINGUISHER CABINET	F.E.C.		
FLOOR	FLR.		
GENERAL CONTRACTOR	G.C.		
INSULATION	INSUL.		
MECHANICAL	MECH.		
METAL THRESHOLD	M.T.		
NOMINAL	NOM.		
NOT IN CONTRACT	N.I.C.		
ON CENTER	O.C.		
PLATE	P		
REQUIRED	REQ.		
SIMILAR	SIM.		

MATERIALS

CONCRETE	
STEEL	
WOOD STUDS	
CONCRETE BLOCK	
PLYWOOD	
FINISH WOOD	
WOOD FRAMING OR BLOCKING	
GYPSUM BOARD	
RIGID INSULATION	
BATT INSULATION	
COMPACT FILL	
GRAVEL FILL	
ASPHALT PAVING	

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SET NUMBER



site plan

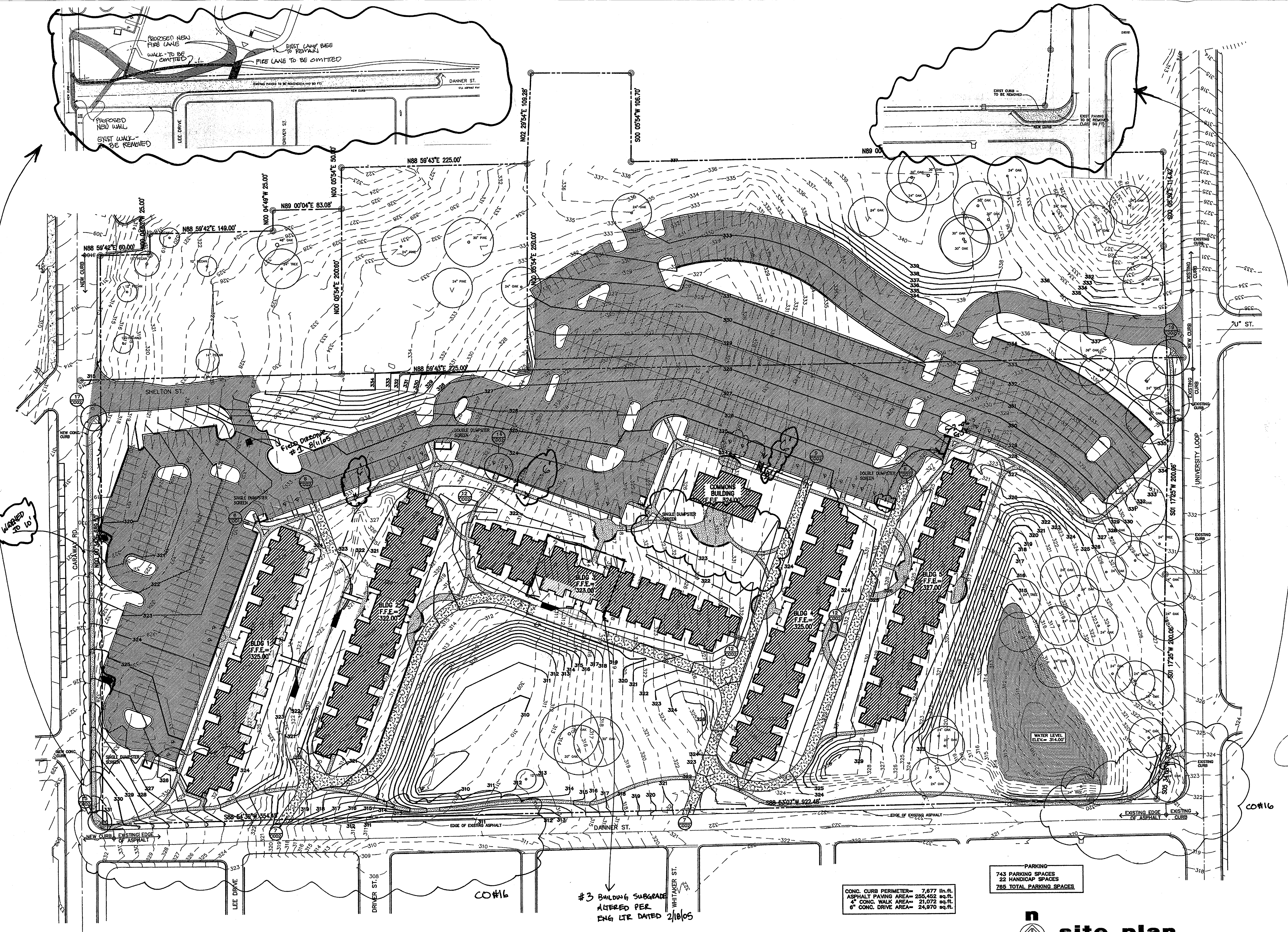
SCALE 1" = 30'-0"

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Commission 10404
COO
Revised: 21
Date: Novemb



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REGISTERED ARCHITECTS
C19
5/19/05
ARKANSAS

Commission Number
10404R
C001
Date: April 7, 2005
Revised: May 13, 2005

OVERALL
SITE PLAN

CONC. CURB PERIMETER = 7,677 lin. ft.
ASPHALT PAVING AREA = 255,452 sq. ft.
4" CONC. WALK AREA = 21,072 sq. ft.
6" CONC. DRIVE AREA = 24,970 sq. ft.

PARKING
743 PARKING SPACES
22 HANDICAP SPACES
765 TOTAL PARKING SPACES

n
↑
site plan

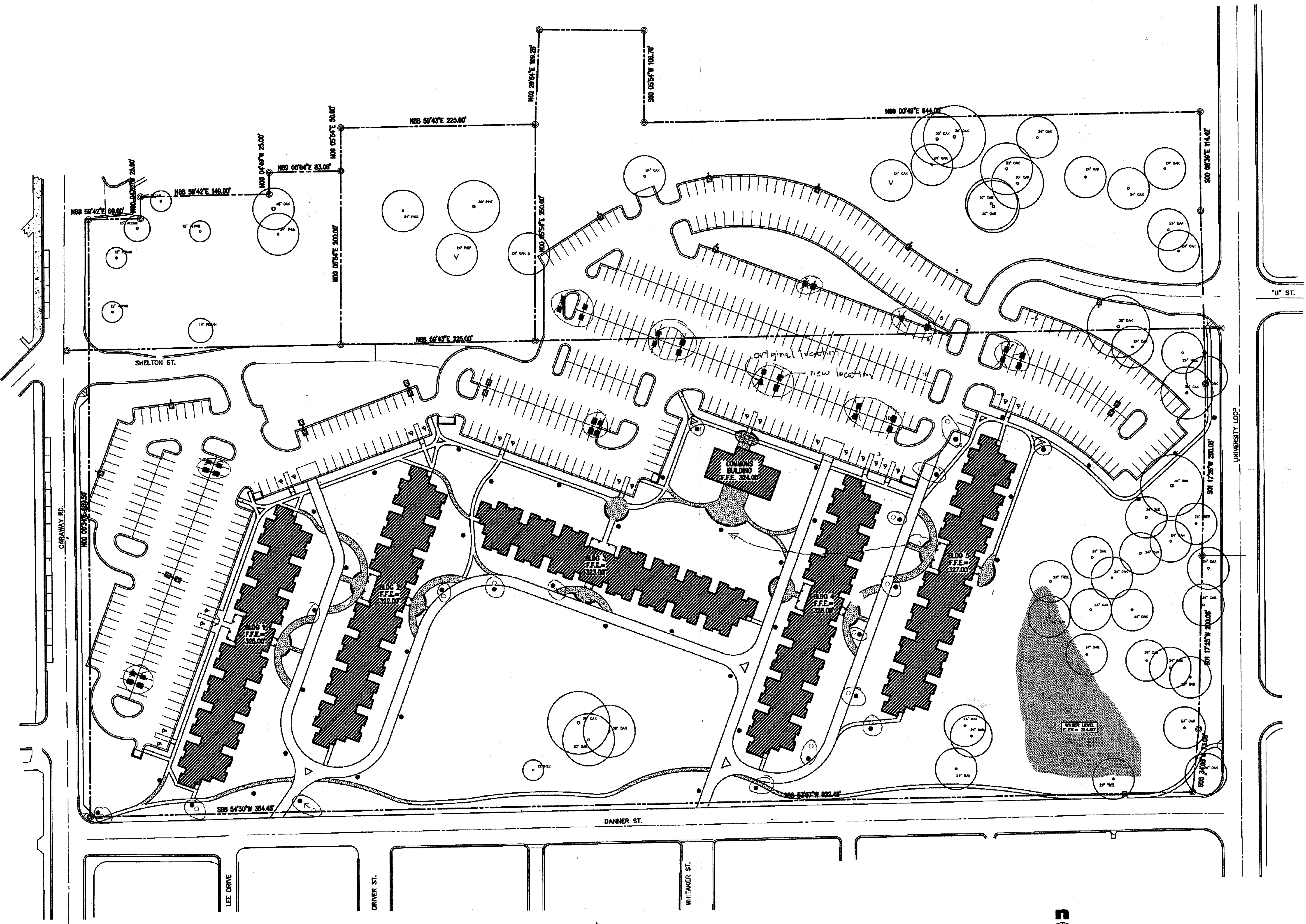
SCALE: 1" = 50'-0"

#3 BUILDING SUBGRADE
ALTERED PER
ENG LTR DATED 2/10/05

CO#16

CO#16

WORKED TO 10'




site plan
 SCALE: 1" = 50'-0"

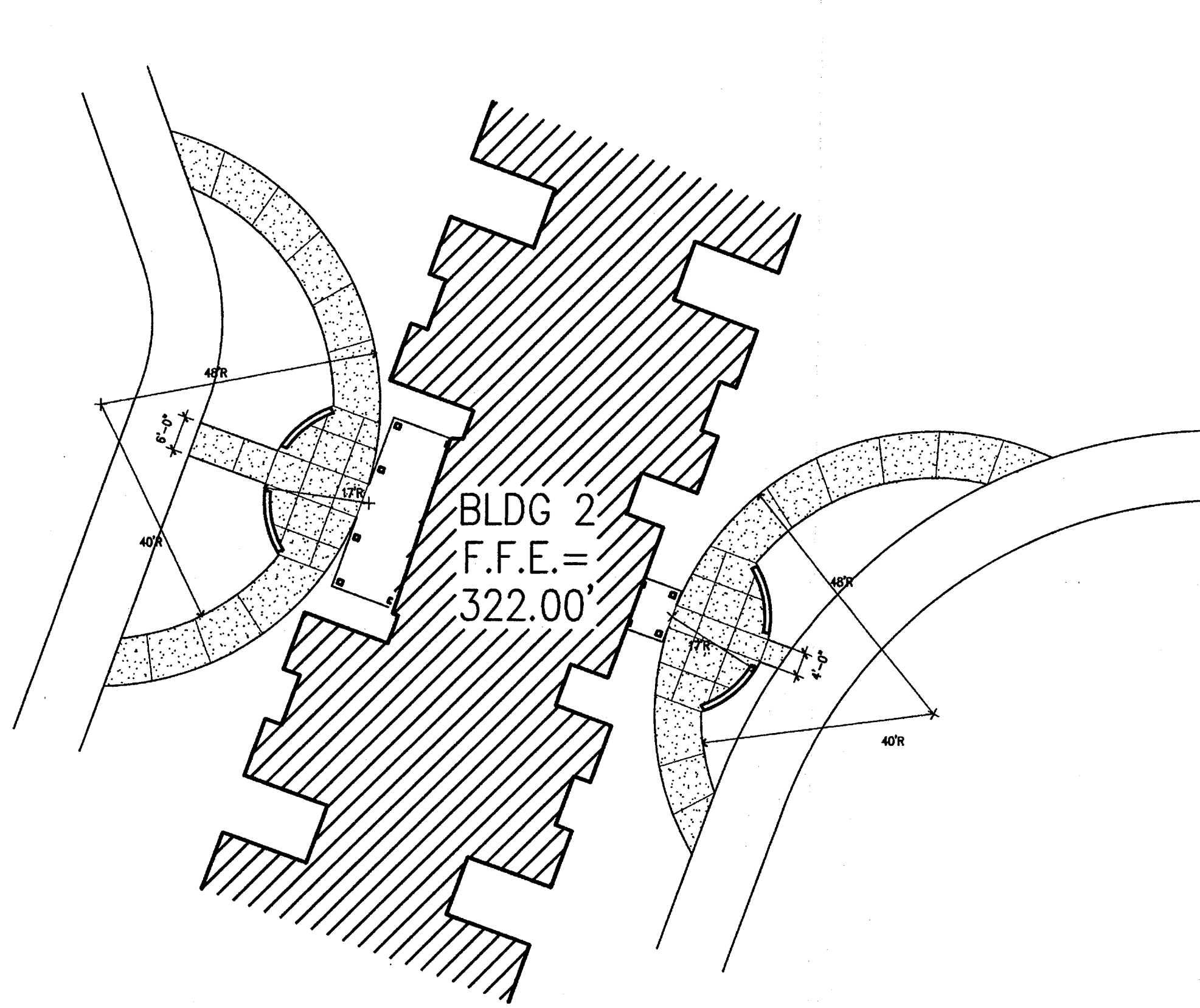
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 KRENNERICH**
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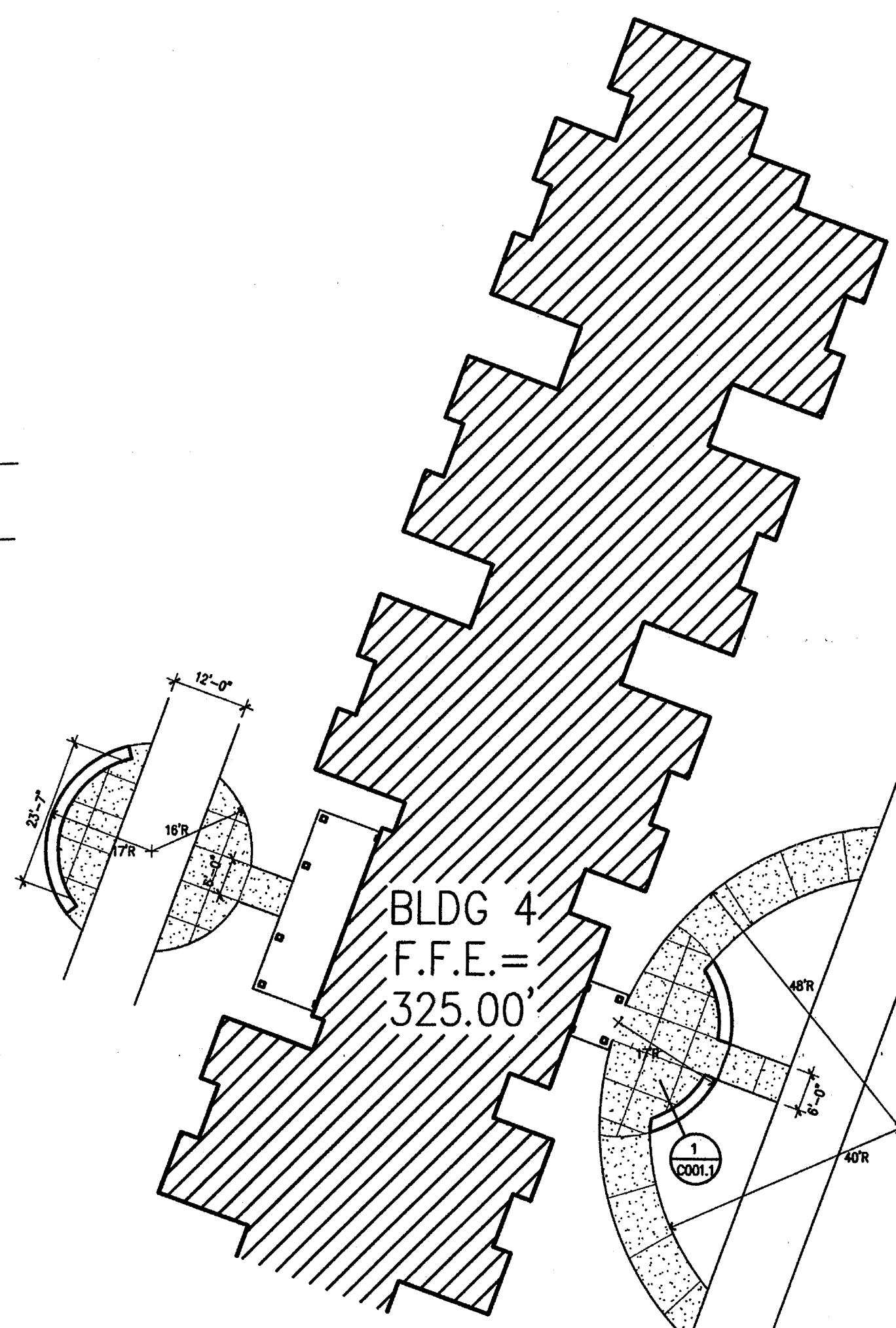
OVERALL
 SITE PLAN

Commission Number
 10404R
C001
 Rev: Aug. 1, 2001
 Date: April 7, 2001
 Revised: July 15, 2001



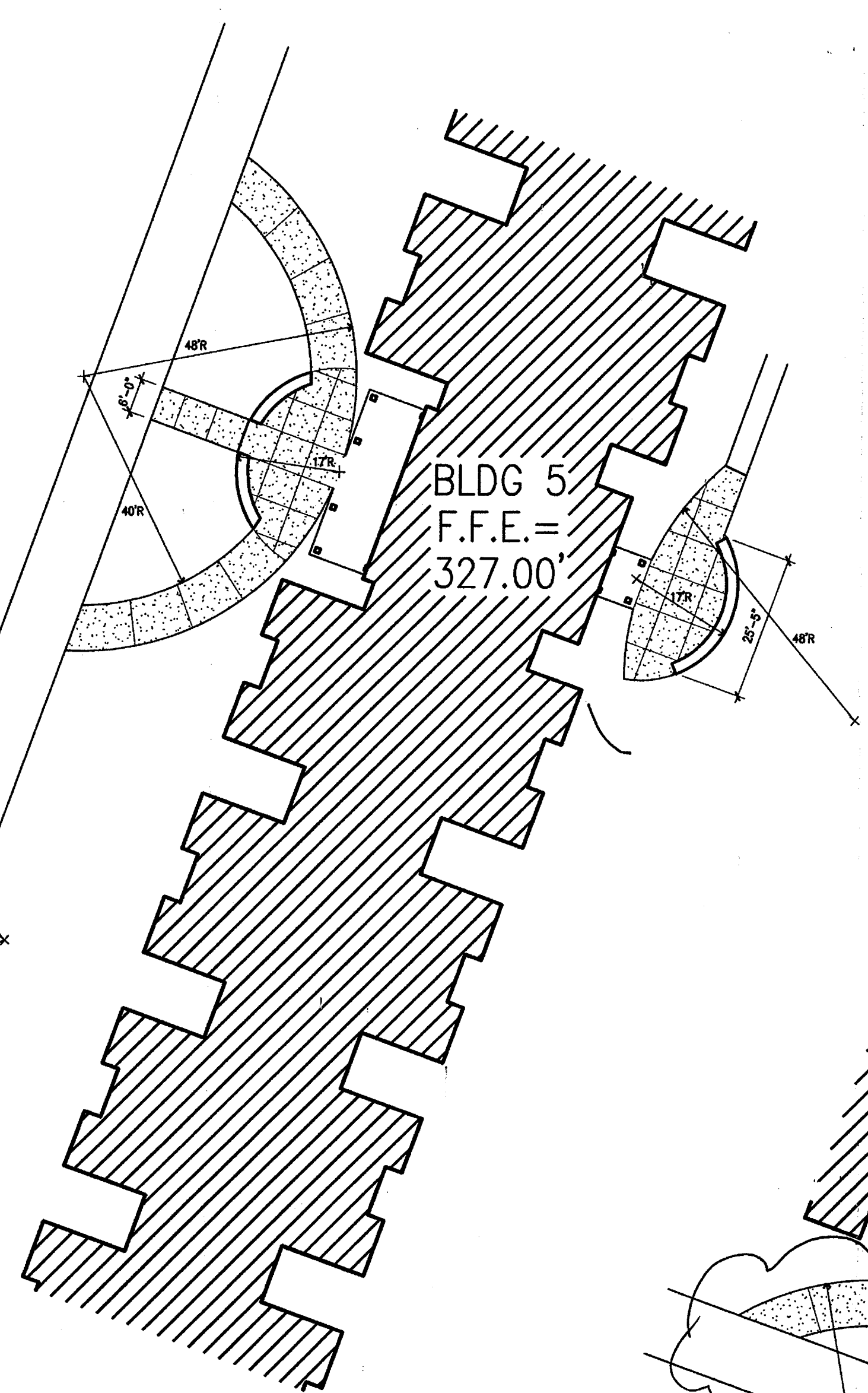
BLDG 2
F.F.E. =
322.00'

n enlarged site plan
BUILDING #2 SCALE: 1" = 20'-0"

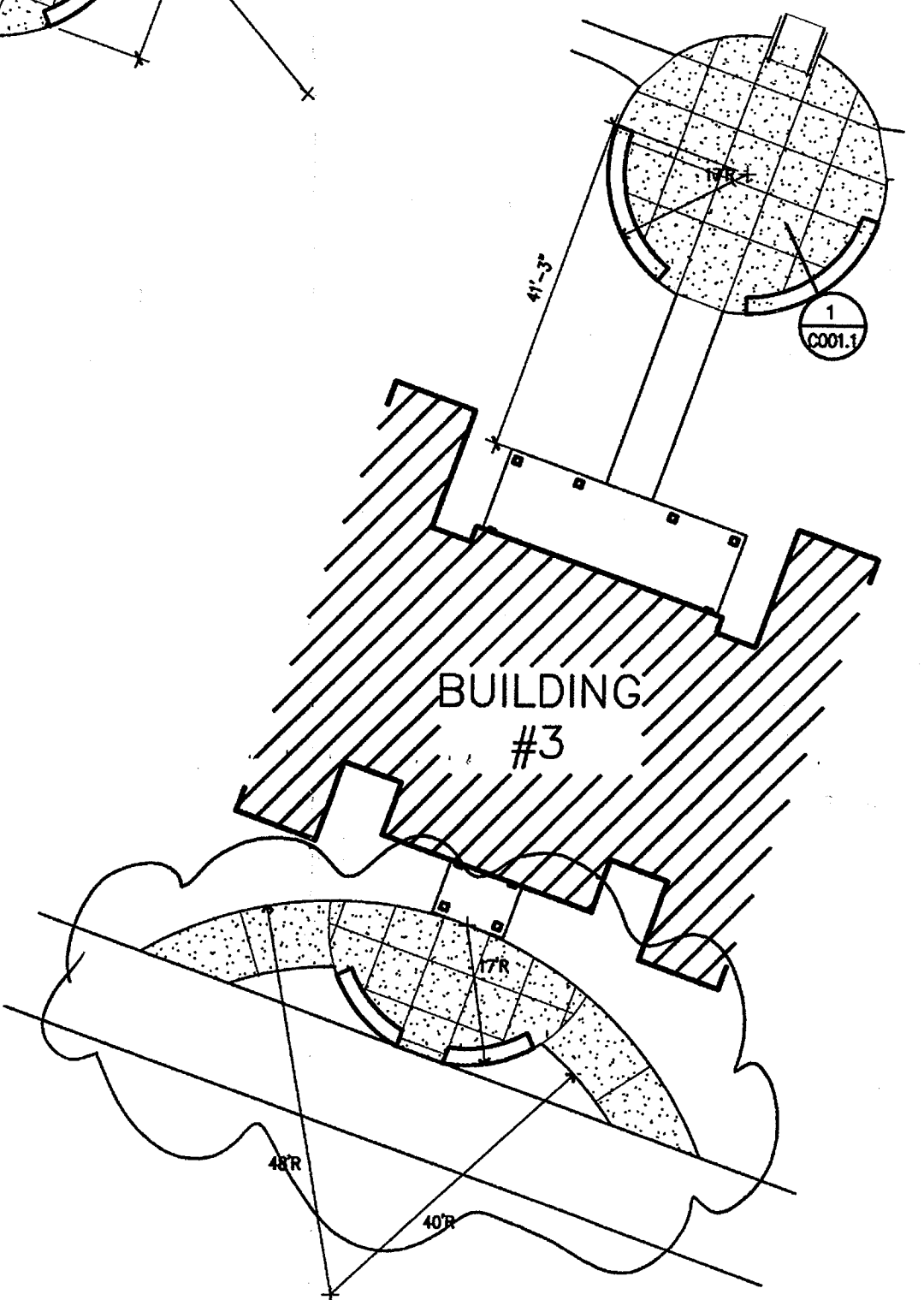


BLDG 4
F.F.E. =
325.00'

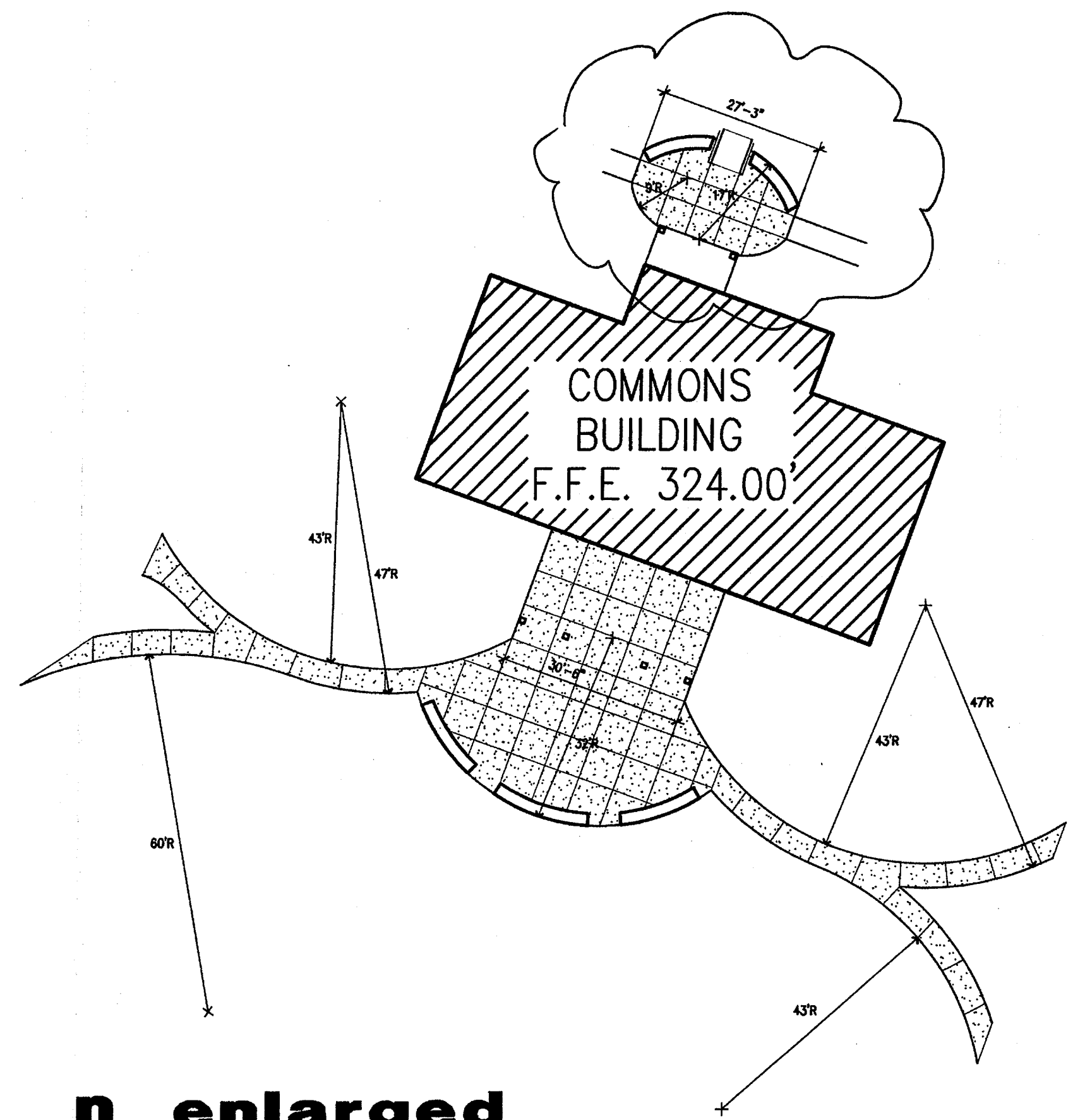
n enlarged site plan
BUILDING #4 & #5
BUILDING #1 SIM. SCALE: 1" = 20'-0"



BLDG 5
F.F.E. =
327.00'

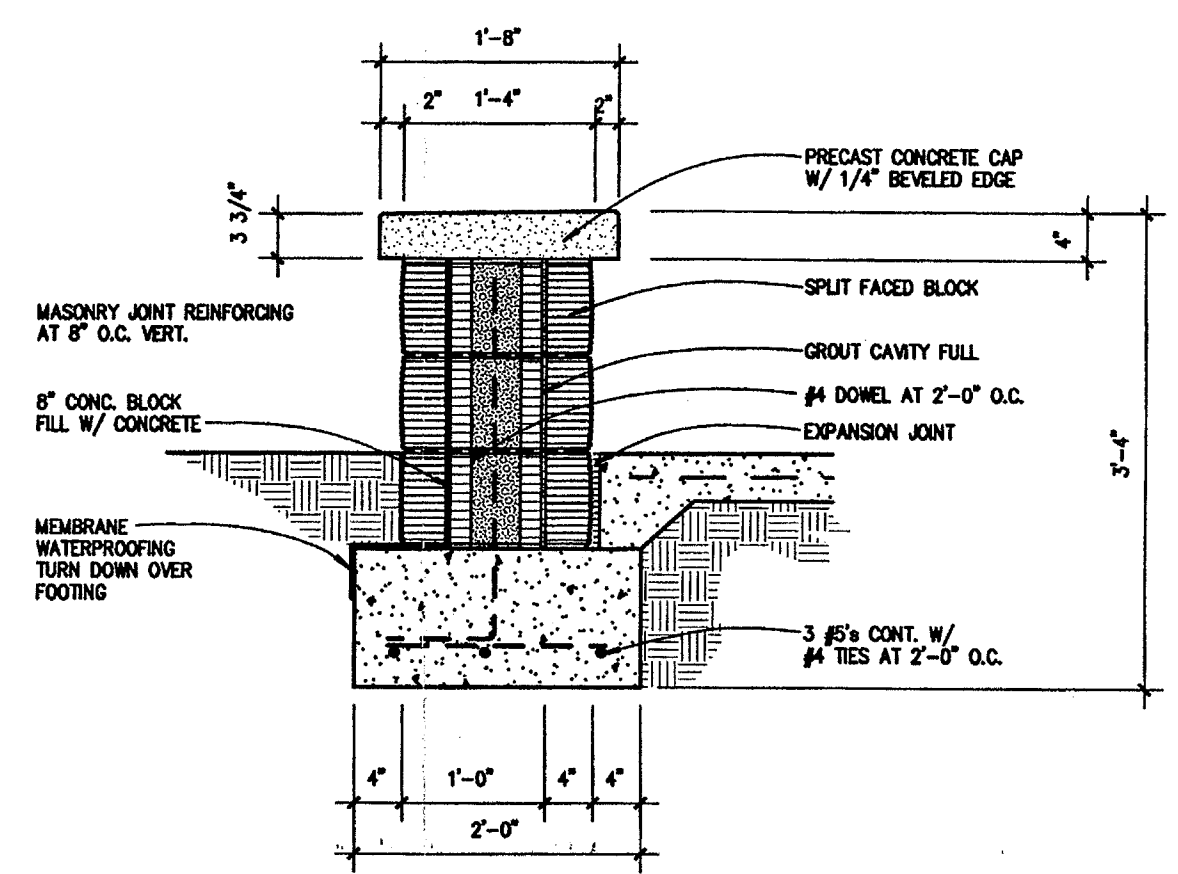


n enlarged site plan
BUILDING #3 SCALE: 1" = 20'-0"



COMMONS
BUILDING
F.F.E. 324.00'

n enlarged site plan
COMMONS BUILDING SCALE: 1" = 20'-0"



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

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POWER**

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architects

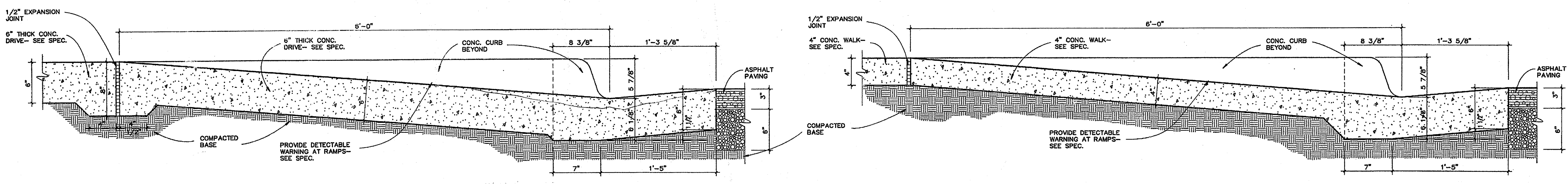
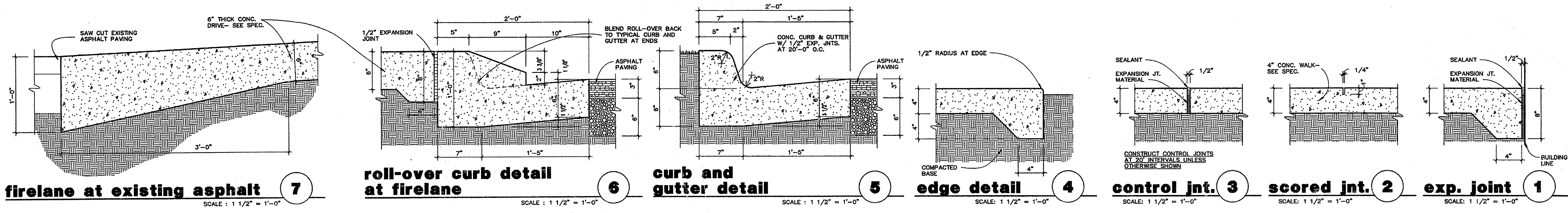
BRACKETT, KRENNERICH & ASSOCIATES, P.A.
REGISTERED ARCHITECTS
C19
8/15/05
ARKANSAS

ENLARGED PLAN

Commission Number
10404R

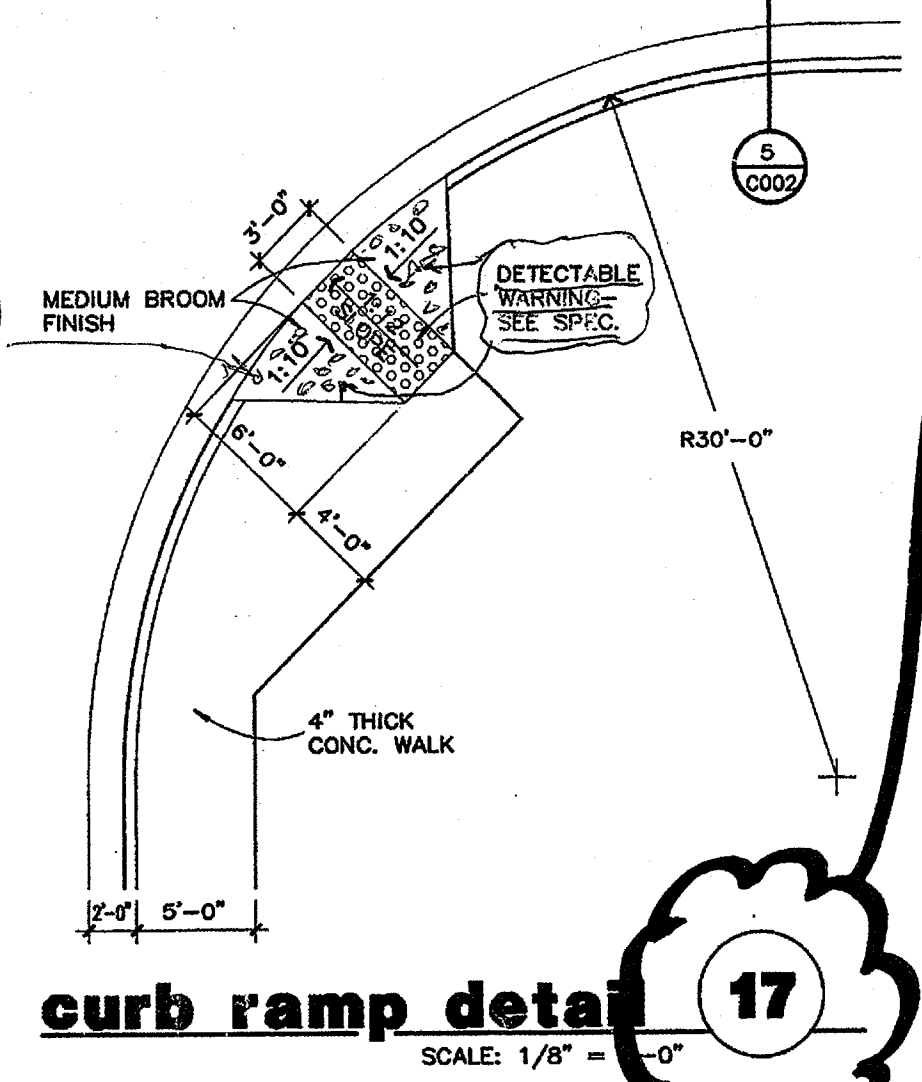
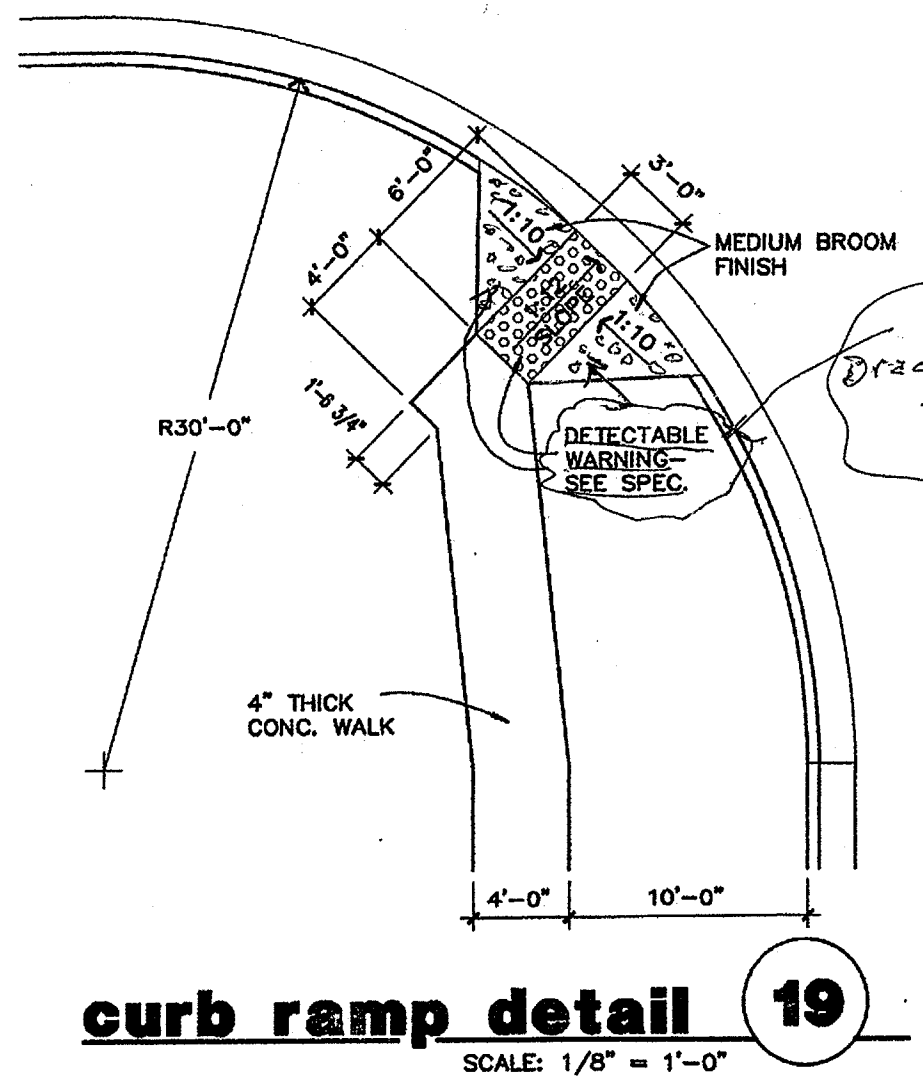
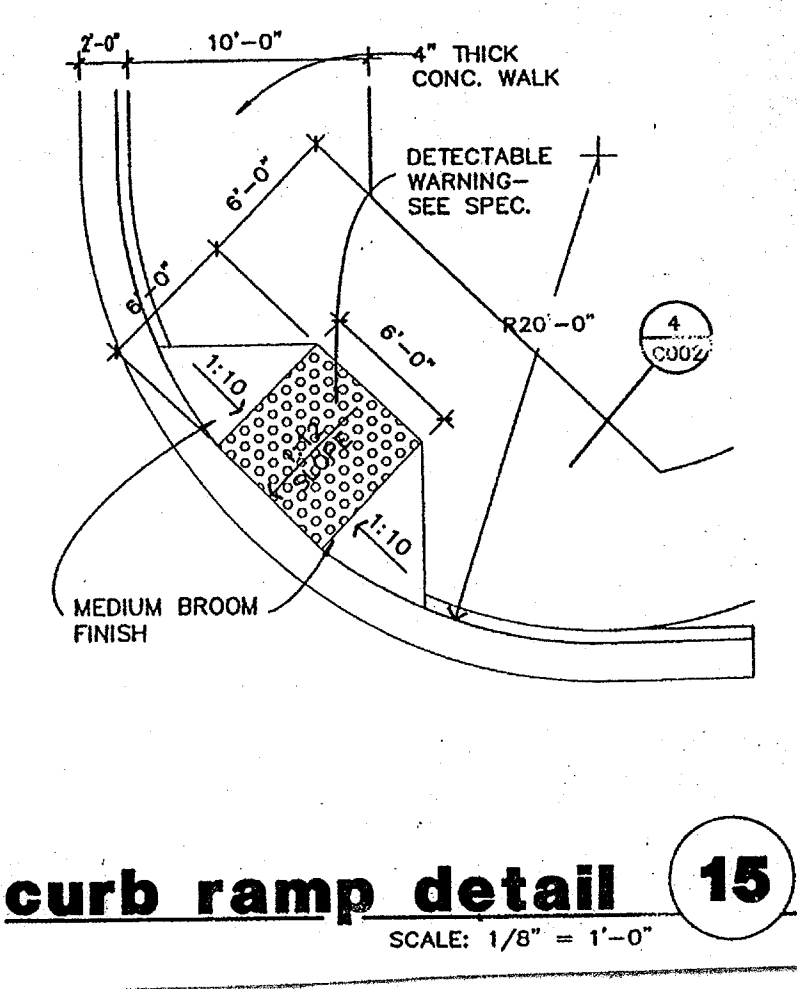
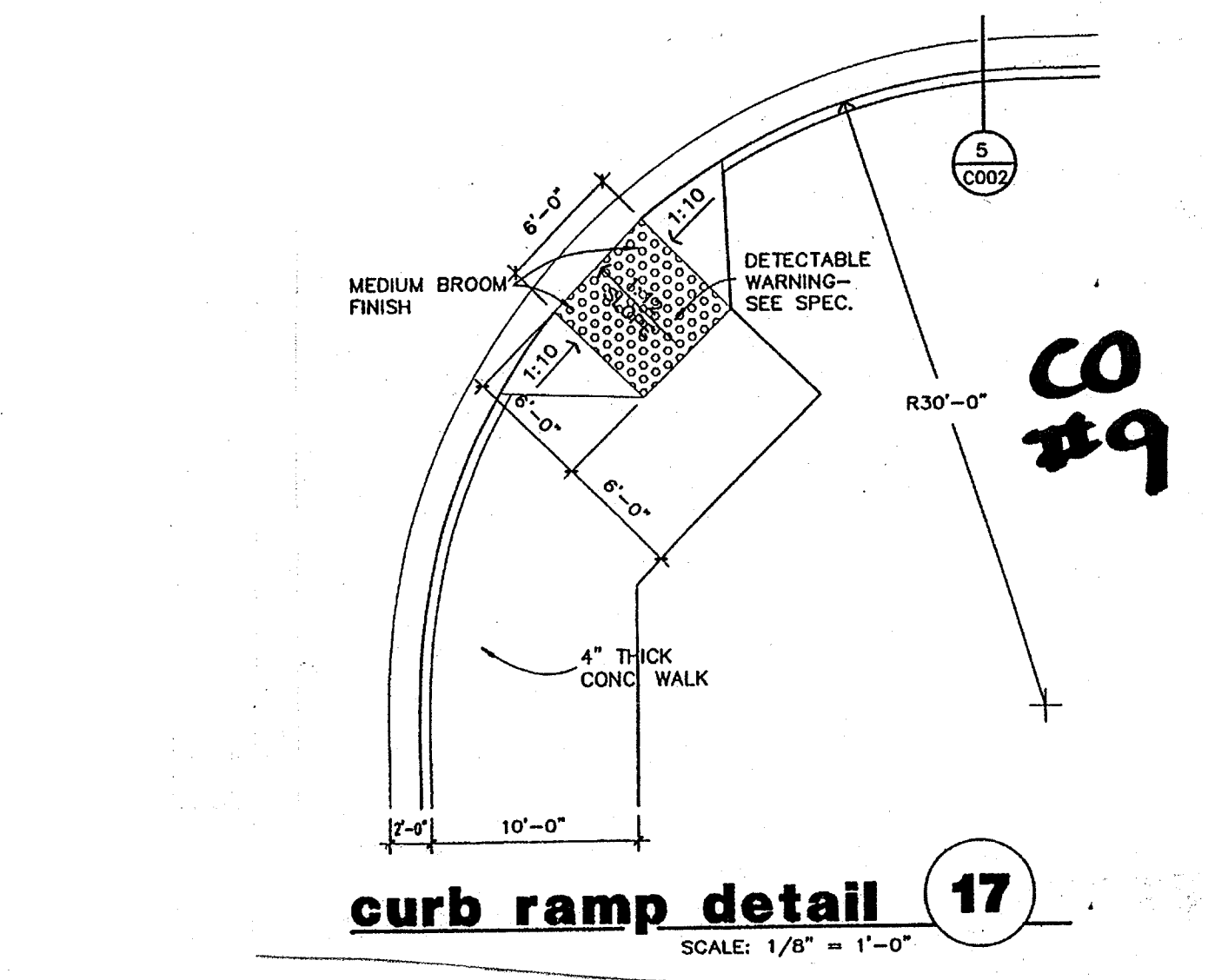
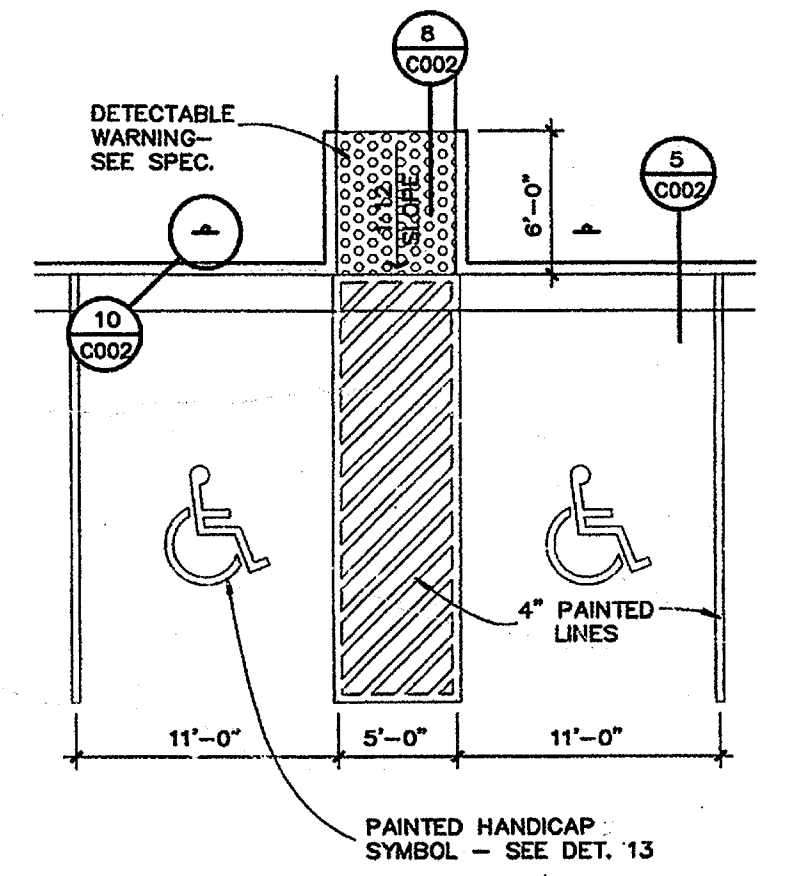
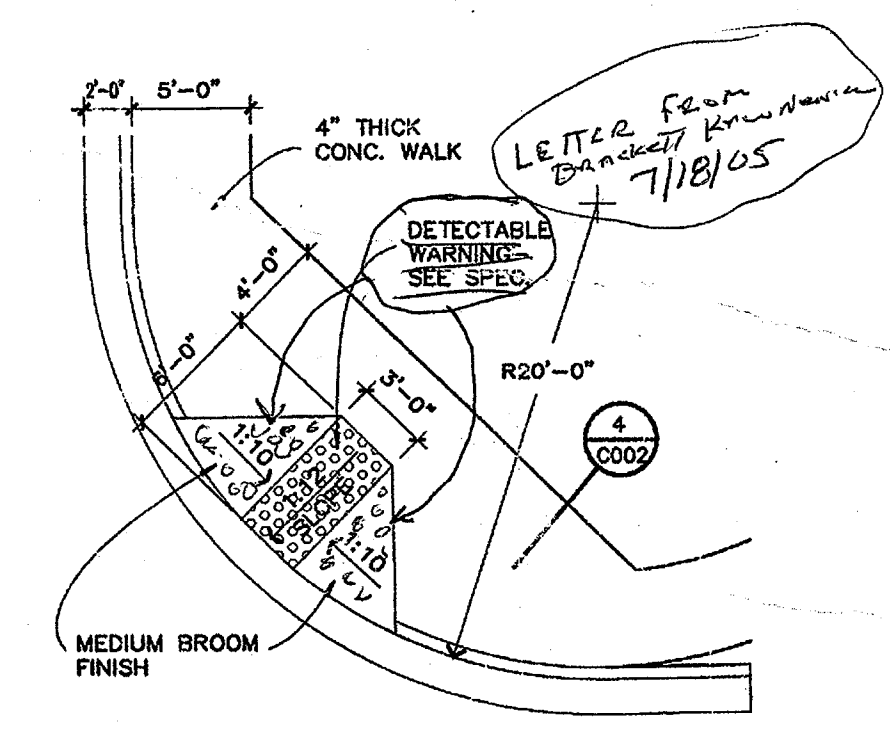
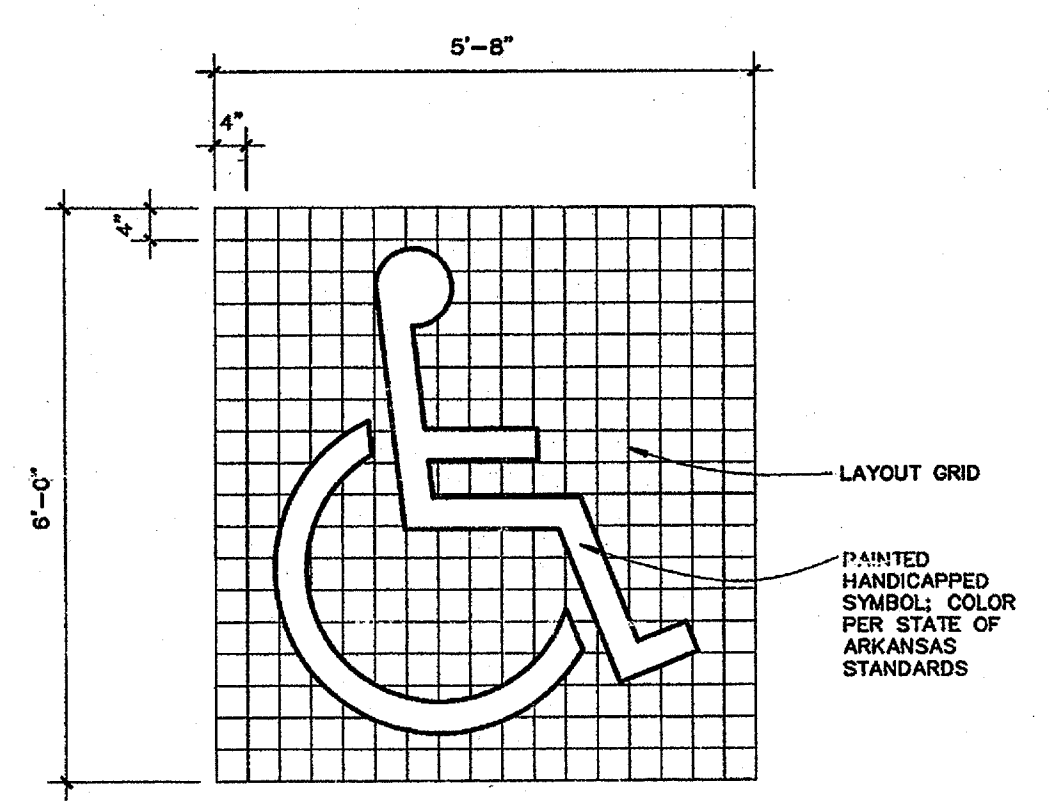
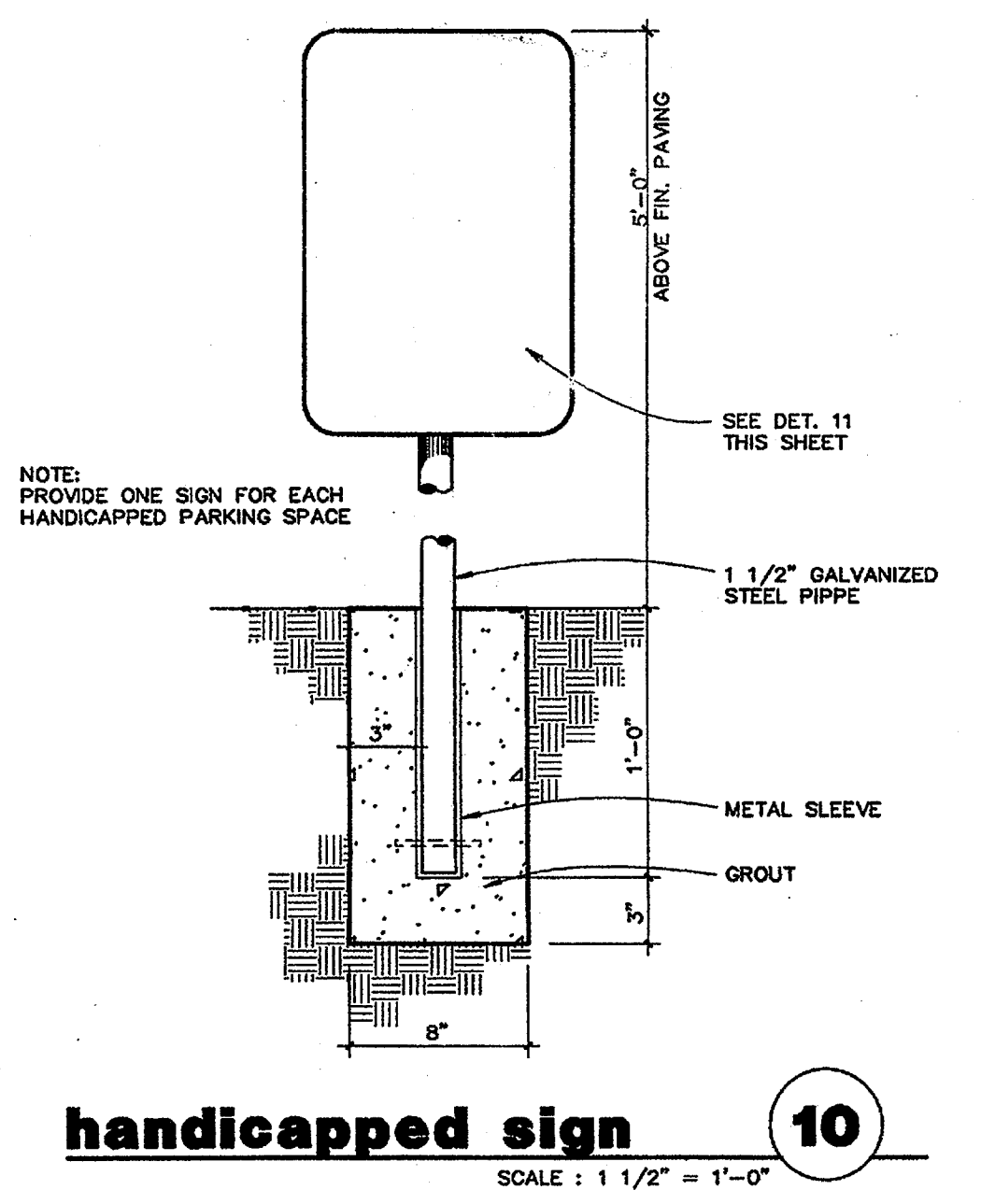
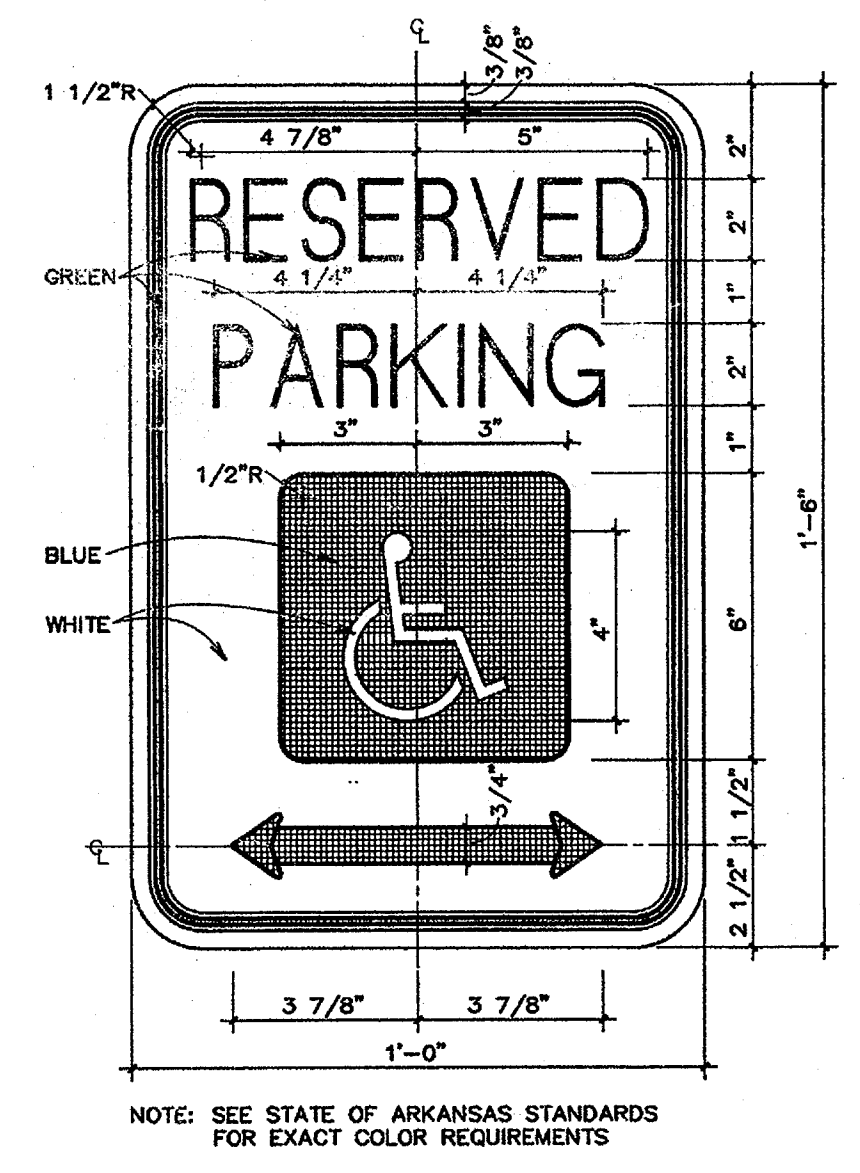
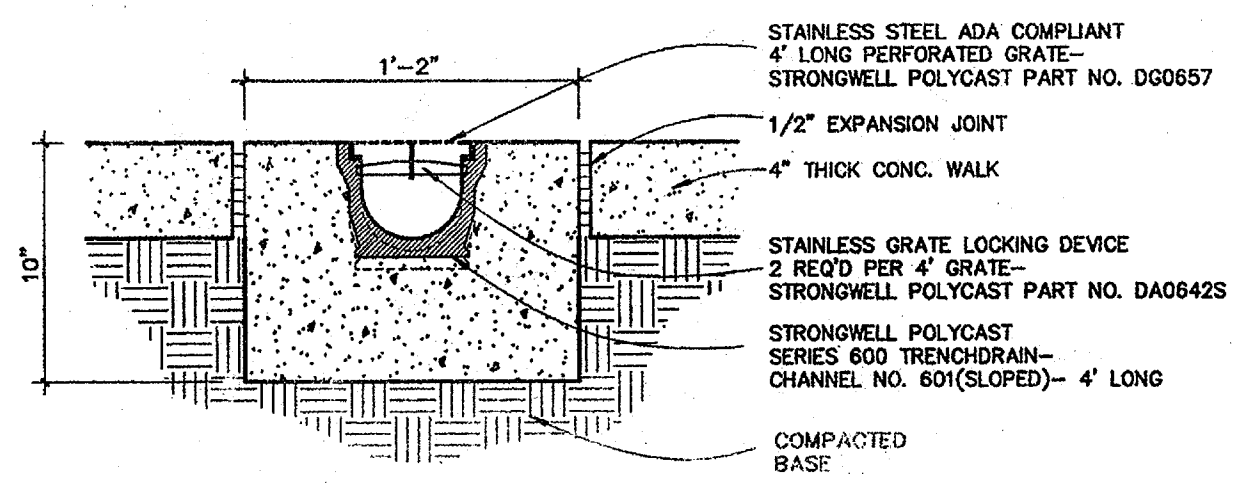
C001.1R

Date: November 5, 2004
Revised: August 15, 2005



New Residence Halls
Arkansas State University
NEW DETAILS FOR WALK WIDENING
November 11, 2005

BRACKETT KRENNERICH
architects



7/18/05 LETTER STILL APPLIES

**NEW RESIDENCE HALL
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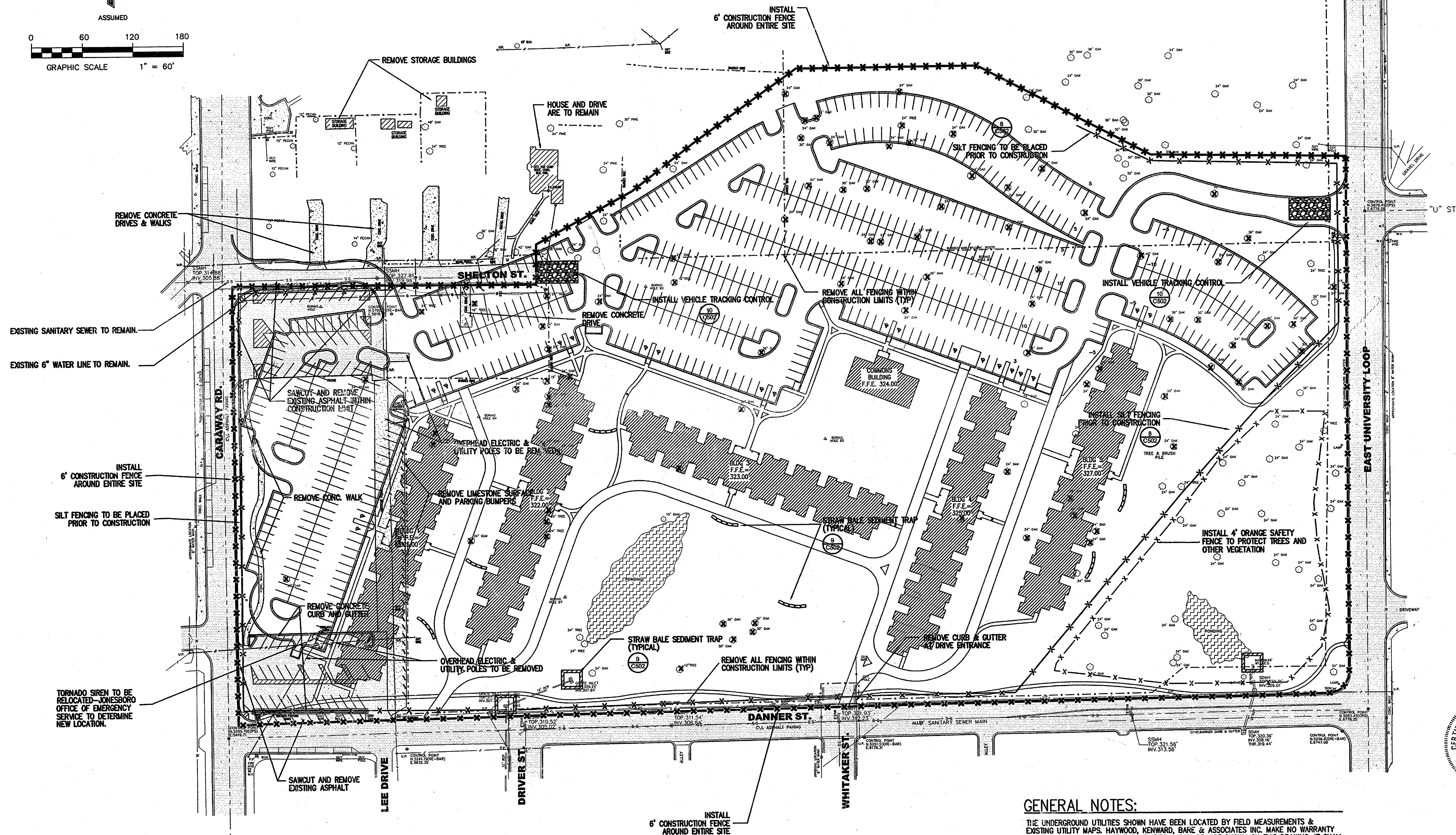
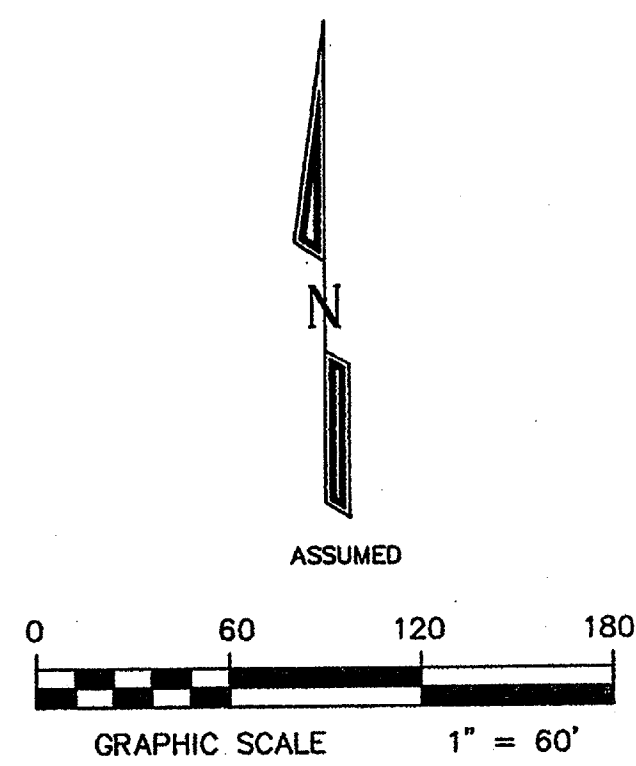
**BRACKETT
KRENNERICH**

BRACKETT KRENNERICH
architects

REGISTERED ARCHITECTS
C002
ARKANSAS
24 NOV 05

SITE DETAIL

Commission Number
10404R
C002
Revised: 24 NOV
Date: November 5,



GENERAL NOTES:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED BY FIELD MEASUREMENTS & 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 1-800-482-8998, BEFORE YOU DIG!

TREES MARKED WITH AN " X " ARE TO BE REMOVED AS NECESSARY FOR CONSTRUCTION. TREES SMALLER THAN 15" IN DIAMETER ARE NOT SHOWN AND SHALL BE REMOVED AS NECESSARY.

SILT FENCING TO BE PLACED AROUND ENTIRE SITE PRIOR TO ANY EXCAVATION AND STRAW BALE SEDIMENT TRAPS ARE TO BE PLACED AT STORM WATER OUTFALLS. THESE MEASURES SHALL BE TAKEN PRIOR TO ANY CONSTRUCTION AND SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.

***Silt FENCE REVISED SEE PLAN FROM ME**

**NEW RESIDENCE HALL
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**BRACKETT
KRENNERICH**

ENGINEERS

Civil Engineering, Surveying & Planning
HKB
HAYWOOD, KENWARD, BARE & ASSOCIATES, INC.

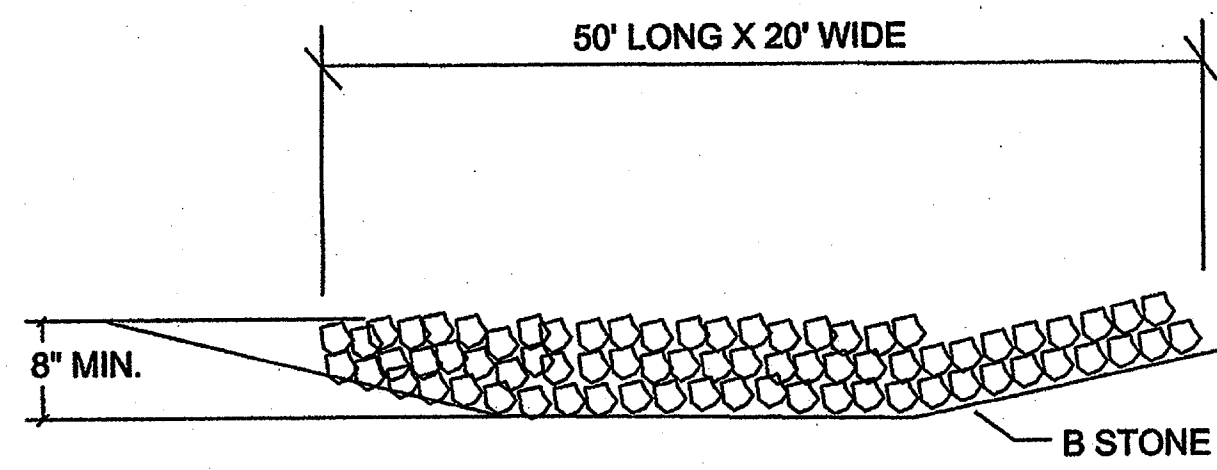
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 234
No. 6228
ROBERT D. HENNING

EROSION CONTROL
DEMOLITION
ADDENDUM NO.
August 23, 20

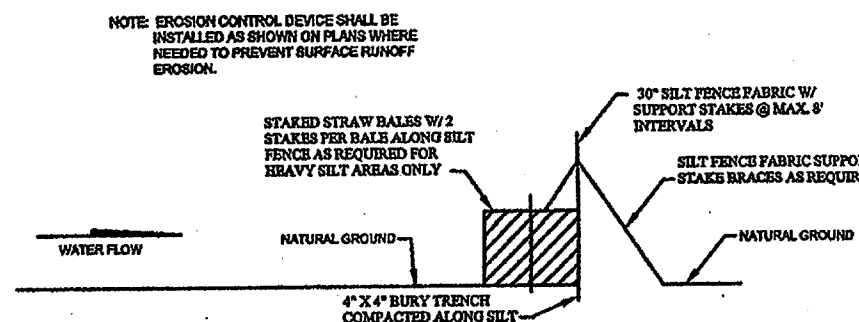
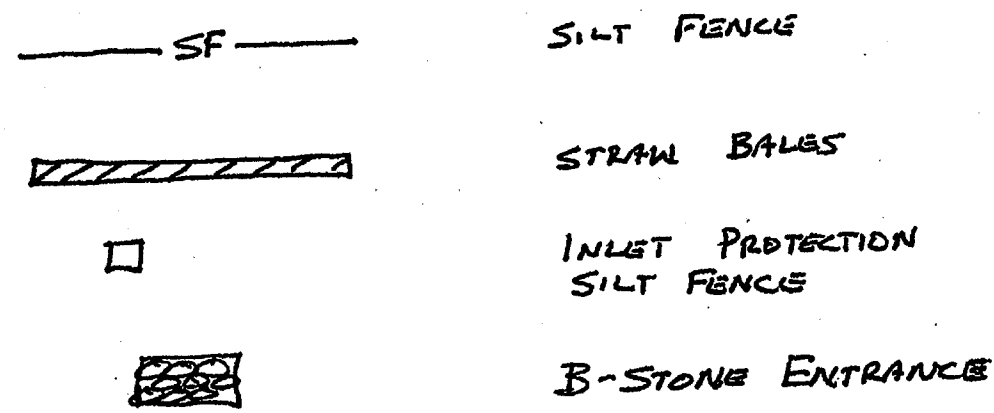
Commission No.
10404

C10

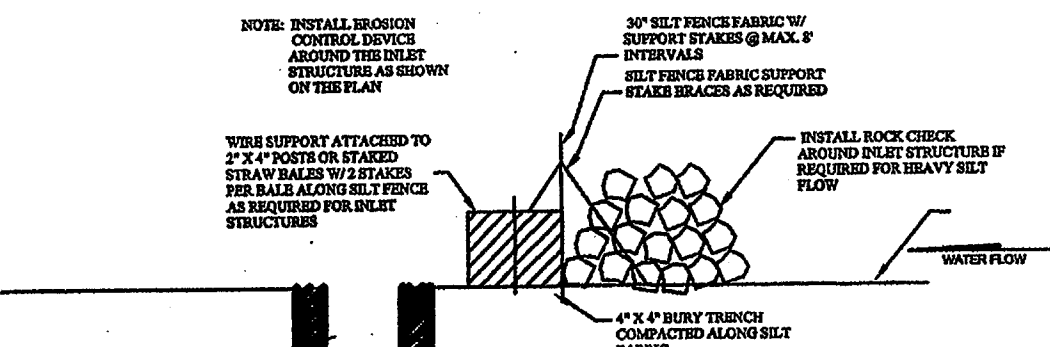
Date: November
REV. DECEMBER 1



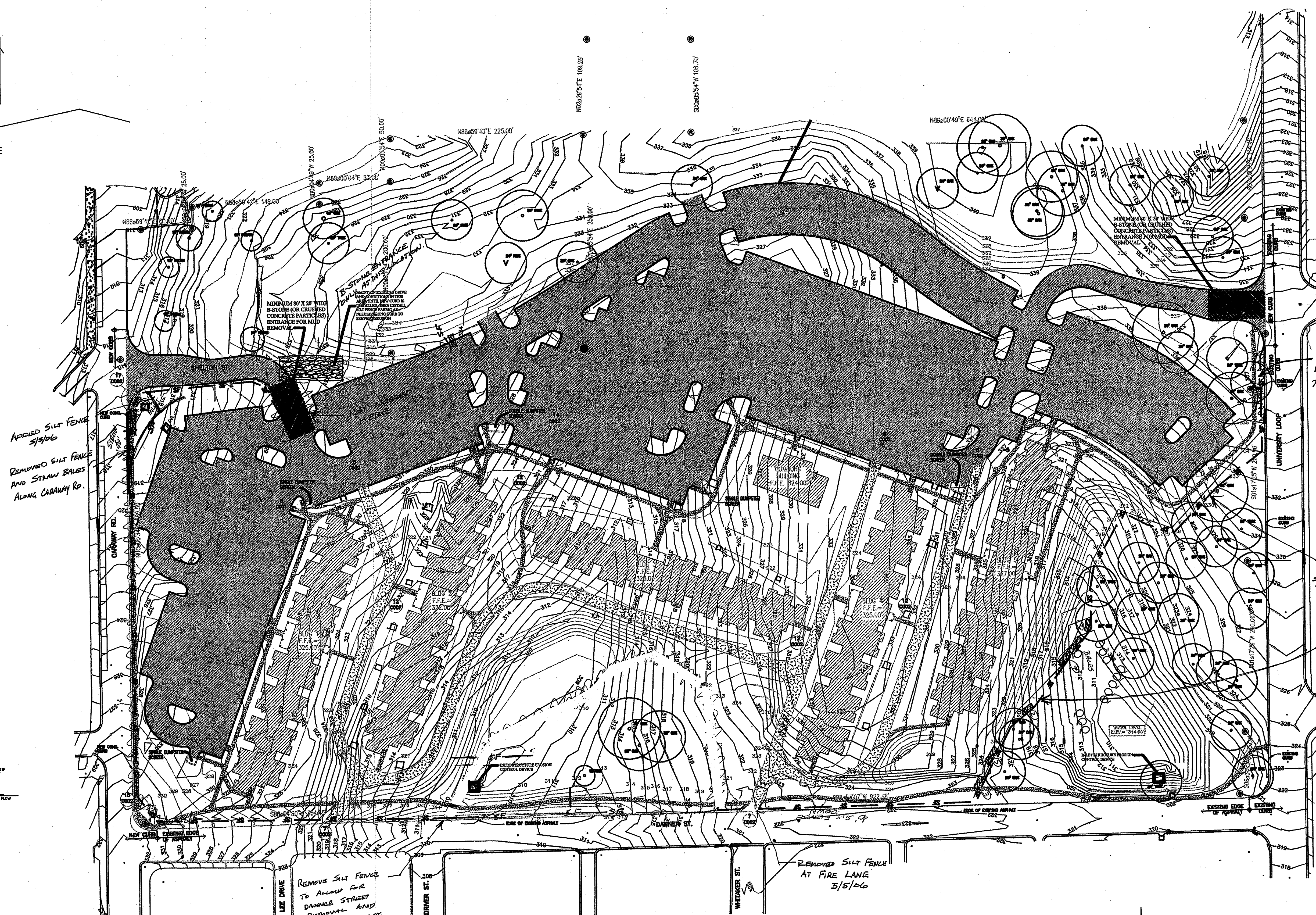
STONE ENTRANCE DETAIL
N.T.A.



SILT FENCE EROSION CONTROL DEVICE DETAIL
N.T.A.



INLET STRUCTURE EROSION CONTROL DEVICE DETAIL
N.T.A.



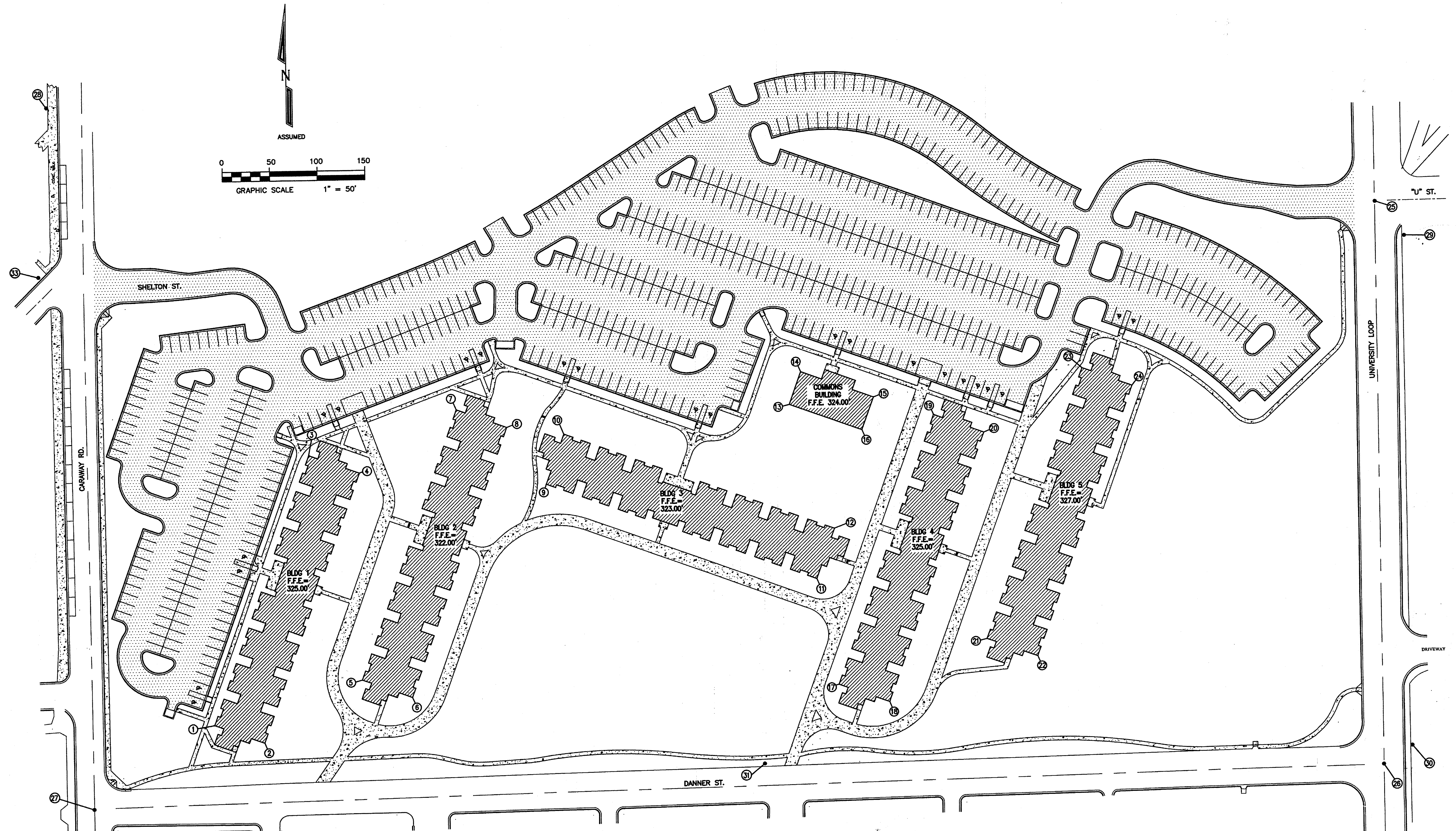
REMOVE SILT FENCE
TO ALLOW FOR
DANNER STREET
REMOVAL AND
FINAL GRADING
7/7/06

REMOVED SILT FENCE
AT FIRE LANE
5/5/06

NEW RESIDENCE HALL COMMUNITY ARKANSAS STATE UNIVERSITY

SITE CONSTRUCTION EROSION CONTROL PLAN





BUILDING CORNER & CONTROL POINT SCHEDULE

POINT NUMBER	NORTHING (Y)	EASTING (X)
1	5342.26	5547.22
2	5323.05	5600.00
3	5626.33	5650.61
4	5807.12	5703.40
5	5387.91	5703.43
6	5388.70	5756.21
7	5671.98	5806.82
8	5652.77	5859.60
9	5692.08	5900.27
10	5644.86	5919.49
11	5488.69	6184.34
12	5541.47	6203.55
13	5672.87	6157.84

POINT NUMBER	NORTHING (Y)	EASTING (X)
14	5707.01	6170.27
15	5679.33	6246.30
16	5645.19	6233.88
17	5375.94	6206.07
18	5356.73	6258.85
19	5660.01	6309.46
20	5640.79	6362.24
21	5422.61	6362.64
22	5403.40	6415.43
23	5706.68	6466.04
24	5687.47	6518.82
25	5878.4134	6778.5649
26	5283.4640	6778.2828

POINT NUMBER	NORTHING (Y)	EASTING (X)
27	5255.6865	5419.6702
28	6004.2026	5381.2035
STATE PLANE COORDINATES		
25	553438.20	1705783.81
26	552843.34	1705755.56
VERTICAL CONTROL - BENCHMARKS		
29	TOP FIRE HYD.	340.92
30	C.P.S. IN U.P.	323.20
31	TOP FIRE HYD.	323.72
32	TOP FIRE HYD.	336.28
33	C.P.S. IN U.P.	314.83

* DENOTES CONTROL POINTS

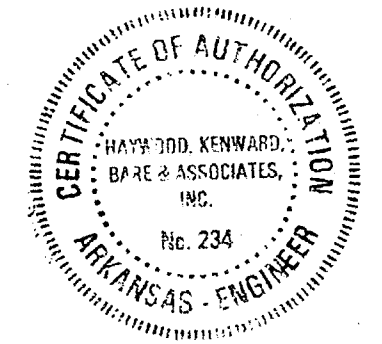
- REV.

POINT ON BUILDING CORNERS, SHOWN ON THIS PLAN, REPRESENT EXTERIOR FACE OF FINISHED BUILDING AS PER SITE PLAN, DESIGNED BY BRACKETT-KRENNERICH ARCHITECTS.

**NEW RESIDENCE HALL
COMMUNITY**
ARKANSAS STATE UNIVERSITY

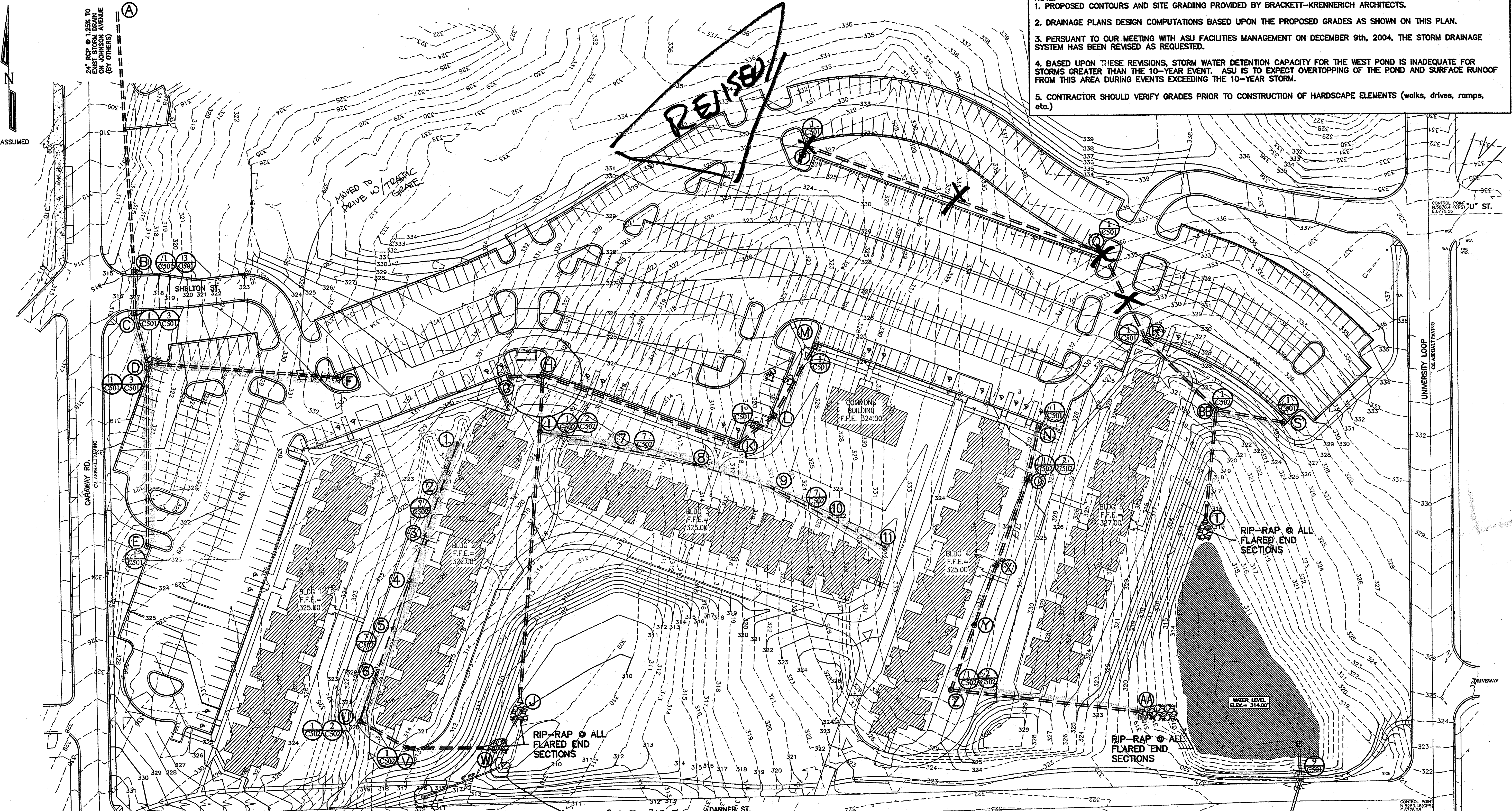
**BRACKETT
KRENNERICH**

CHL Engineering, Surveying & Planning
HKB
HAYWOOD, KENWARD, BARE & ASSOCIATES, INC.



Commission No. 10404 R
C20
Date: November
REV. FEBRUARY 6

NOTE:
 1. PROPOSED CONTOURS AND SITE GRADING PROVIDED BY BRACKETT-KRENNERICH ARCHITECTS.
 2. DRAINAGE PLANS DESIGN COMPUTATIONS BASED UPON THE PROPOSED GRADES AS SHOWN ON THIS PLAN.
 3. PURSUANT TO OUR MEETING WITH ASU FACILITIES MANAGEMENT ON DECEMBER 9th, 2004, THE STORM DRAINAGE SYSTEM HAS BEEN REVISED AS REQUESTED.
 4. BASED UPON THESE REVISIONS, STORM WATER DETENTION CAPACITY FOR THE WEST POND IS INADEQUATE FOR STORMS GREATER THAN THE 10-YEAR EVENT. ASU IS TO EXPECT OVERTOPPING OF THE POND AND SURFACE RUNOFF FROM THIS AREA DURING EVENTS EXCEEDING THE 10-YEAR STORM.
 5. CONTRACTOR SHOULD VERIFY GRADES PRIOR TO CONSTRUCTION OF HARDSCAPE ELEMENTS (walks, drives, ramps, etc.)

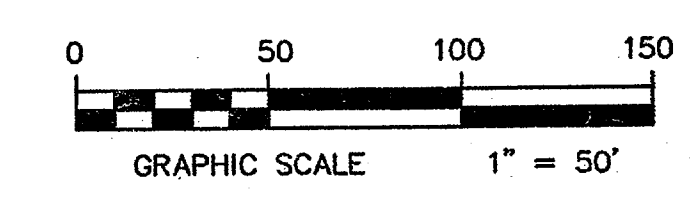


RUN	DESCRIPTION	LENGTH (ft)	SLOPE (%)
E-D	12" DIA. REINFORCED CONCRETE PIPE	185	0.50
F-D	12" DIA. REINFORCED CONCRETE PIPE	195	2.31
D-C	18" DIA. REINFORCED CONCRETE PIPE	52	3.85
C-B	24" DIA. REINFORCED CONCRETE PIPE	42	1.00
B-A	24" DIA. REINFORCED CONCRETE PIPE	BY ASU	
G-H	12" DIA. REINFORCED CONCRETE PIPE	30	1.00
K-H	18" DIA. REINFORCED CONCRETE PIPE	206	0.50
L-K	24" DIA. REINFORCED CONCRETE PIPE	43	0.50
M-L	18" DIA. REINFORCED CONCRETE PIPE	78	0.50
N-O	18" DIA. REINFORCED CONCRETE PIPE	51	0.50
O-X	18" DIA. REINFORCED CONCRETE PIPE	90	0.50
X-Y	24" DIA. REINFORCED CONCRETE PIPE	61	0.50
Y-Z	24" DIA. REINFORCED CONCRETE PIPE	66	0.50
Z-AA	24" DIA. REINFORCED CONCRETE PIPE	220	0.68
H-I	24" DIA. REINFORCED CONCRETE PIPE	53	1.98
I-J	24" DIA. REINFORCED CONCRETE PIPE	270	2.00
P-Q	18" DIA. REINFORCED CONCRETE PIPE	316	0.50
Q-R	18" DIA. REINFORCED CONCRETE PIPE	95	3.38
R-BB	18" DIA. REINFORCED CONCRETE PIPE	100	2.79
S-BB	12" DIA. REINFORCED CONCRETE PIPE	70	2.86
BB-T	18" DIA. REINFORCED CONCRETE PIPE	110	4.54
U-V	12" DIA. REINFORCED CONCRETE PIPE	51	2.45
V-W	12" DIA. REINFORCED CONCRETE PIPE	73	0.50

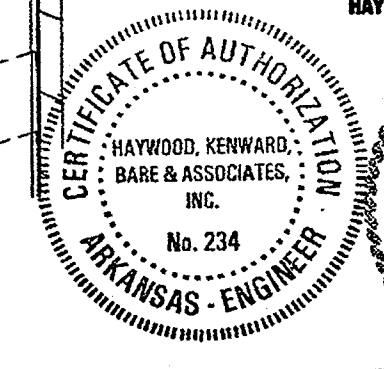
RUN	DESCRIPTION	LENGTH (ft)	SLOPE (%)
1-2	12" SDR 35 PVC	50	0.50
2-3	12" SDR 35 PVC	50	0.50
3-4	12" SDR 35 PVC	50	0.50
4-5	12" SDR 35 PVC	50	0.50
5-6	12" SDR 35 PVC	50	0.50
6-U	12" SDR 35 PVC	50	0.50
1-7	12" SDR 35 PVC	80	0.81
7-8	12" SDR 35 PVC	80	0.50
8-9	12" SDR 35 PVC	84	0.50
9-10	12" SDR 35 PVC	63	0.50
10-11	12" SDR 35 PVC	63	0.50

ITEM	DESCRIPTION	INVERT	DETAIL NO.	REMARKS
A	CONNECTION TO EXIST STORM DRAIN	EXIST	1/C501	BY ASU
B	TYPE "A" CURB INLET W/ 4" THROAT EXT	311.68	1/C501 & 3/C501	ONE SIDE
C	TYPE "A" CURB INLET W/ 4" THROAT EXT	312.00	1/C501 & 3/C501	ONE SIDE
D	TYPE "A" CURB INLET W/ 4" THROAT EXT	314.00	1/C501 & 3/C501	BOTH SIDES
E	TYPE "A" CURB INLET	318.00	1/C501	
F	TYPE "A" CURB INLET	318.50	1/C501	
G	TYPE "A" CURB INLET	317.25	1/C501	
H	TYPE "A" CURB INLET	316.95	1/C501	
I	BEEHIVE DOMED INLET	315.90	1/C502 & 2/C502	
J	18" RCP PIPE FLARED END SECTION	310.50		
K	TYPE "A" CURB INLET	317.98	1/C501	
L	TYPE "A" CURB INLET	318.20	1/C501	
M	TYPE "A" CURB INLET	318.59	1/C501	
N	TYPE "A" CURB INLET	320.34	1/C501	
O	BEEHIVE DOMED INLET	320.09	1/C502 & 2/C502	
P	TYPE "A" CURB INLET	327.58	1/C501	
Q	TYPE "A" CURB INLET	326.00	1/C501	
R	TYPE "A" CURB INLET	322.79	1/C501	
S	TYPE "A" CURB INLET	322.00	1/C501	
T	18" RCP PIPE FLARE END SECTION	315.50		
U	BEEHIVE DOMED INLET	314.62	1/C502 & 2/C502	
V	JUNCTION BOX WITH SOLID LID	313.37	1/C502	
W	12" RCP PIPE FLARE END SECTION	313.00		
X	BEEHIVE DOMED INLET	319.64	1/C502 & 2/C502	
Y	BEEHIVE DOMED INLET	319.33	1/C502 & 2/C502	
Z	BEEHIVE DOMED INLET	319.00	1/C502 & 2/C502	
AA	30" RCP PIPE FLARE END SECTION	317.50		
BB	JUNCTION BOX WITH SOLID LID	320.00	1/C502	

ITEM	DESCRIPTION	INVERT	GRATE TYPE
1	NYLOPLAST INLINE DRAIN - 12"x90" ELBOW	316.12	15" SQ. STD H-20
2	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	315.87	15" SQ. STD H-20
3	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	315.62	15" SQ. STD H-20
4	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	315.37	15" SQ. STD H-20
5	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	315.12	15" SQ. STD H-20
6	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	314.87	15" SQ. STD H-20
7	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	316.55	15" SQ. STD H-20
8	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	316.95	15" SQ. STD H-20
9	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	317.37	15" SQ. STD H-20
10	NYLOPLAST INLINE DRAIN - 12"x12"x12" TEE	317.67	15" SQ. STD H-20
11	NYLOPLAST INLINE DRAIN - 12"x90" ELBOW	318.00	15" SQ. STD H-20



*** STORM DRAIN ONLY.**



BRACKETT-KRENNERICH ARCHITECTS
 NEW RESIDENCE HALL
 BOB
 COMMUNITY
 CIVIL ENGINEERING
 HAYWOOD, KENWARD, BARE & ASSOCIATES, INC.
 REG. PROFESSIONAL ENGINEER
 STATE OF ARKANSAS
 No. 234
 DATE: NOV 10 2004
 REV. DEC 1 2004

**NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY**

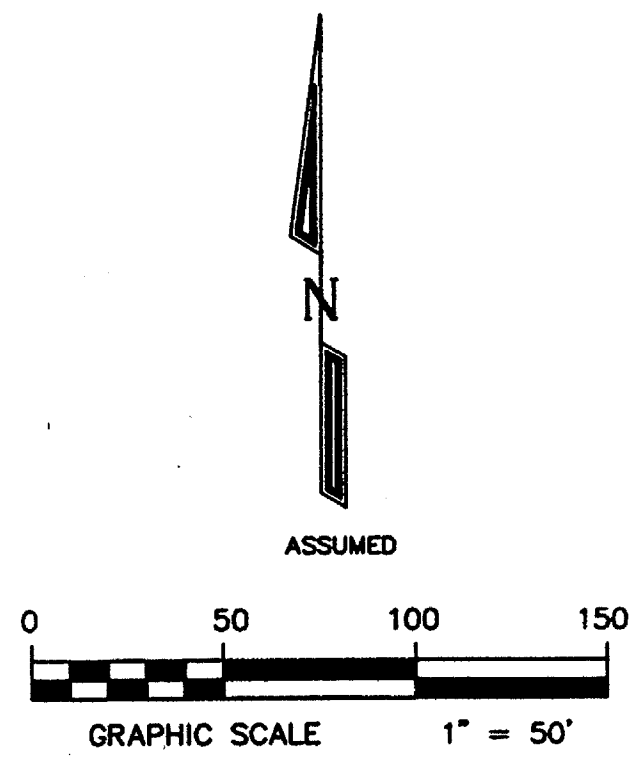
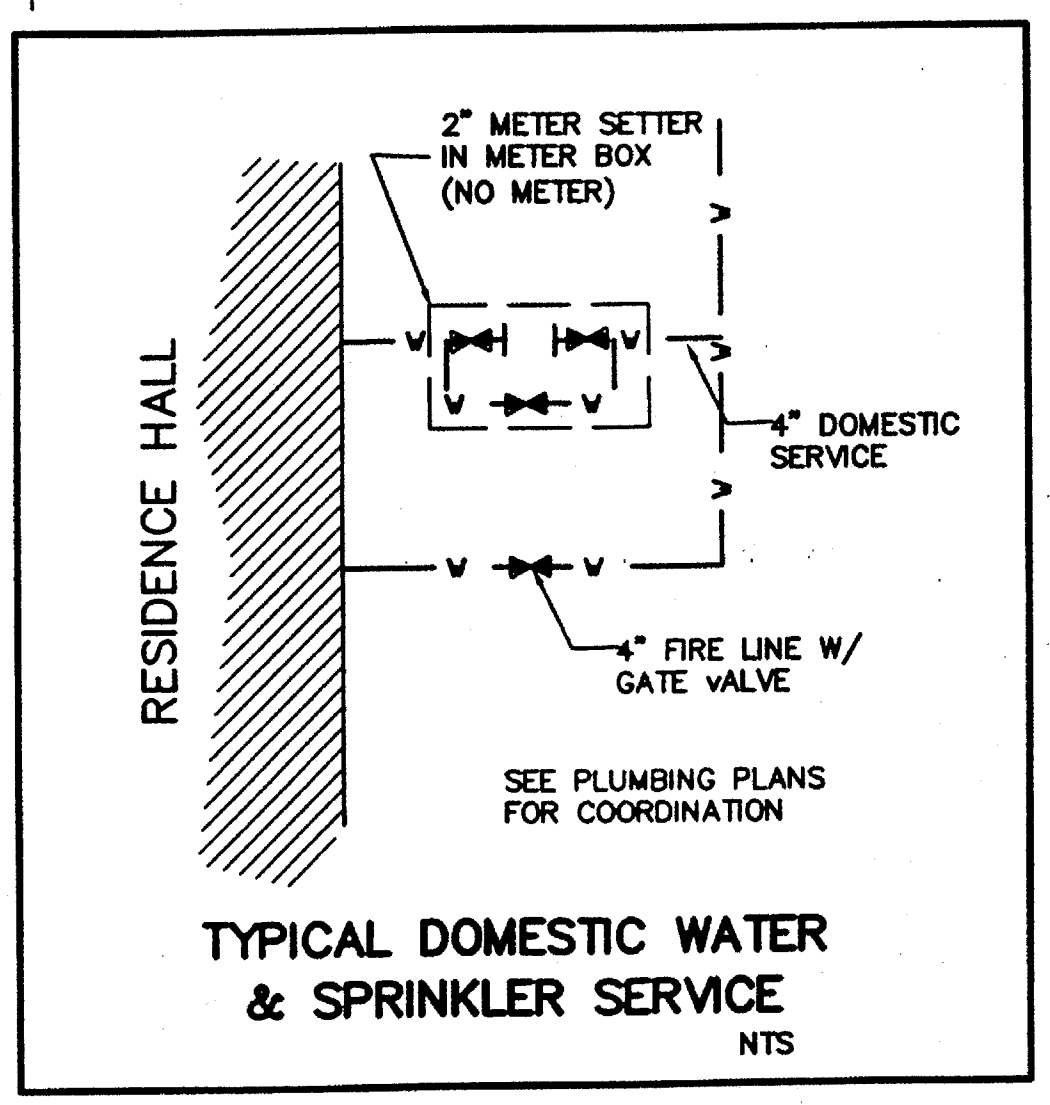
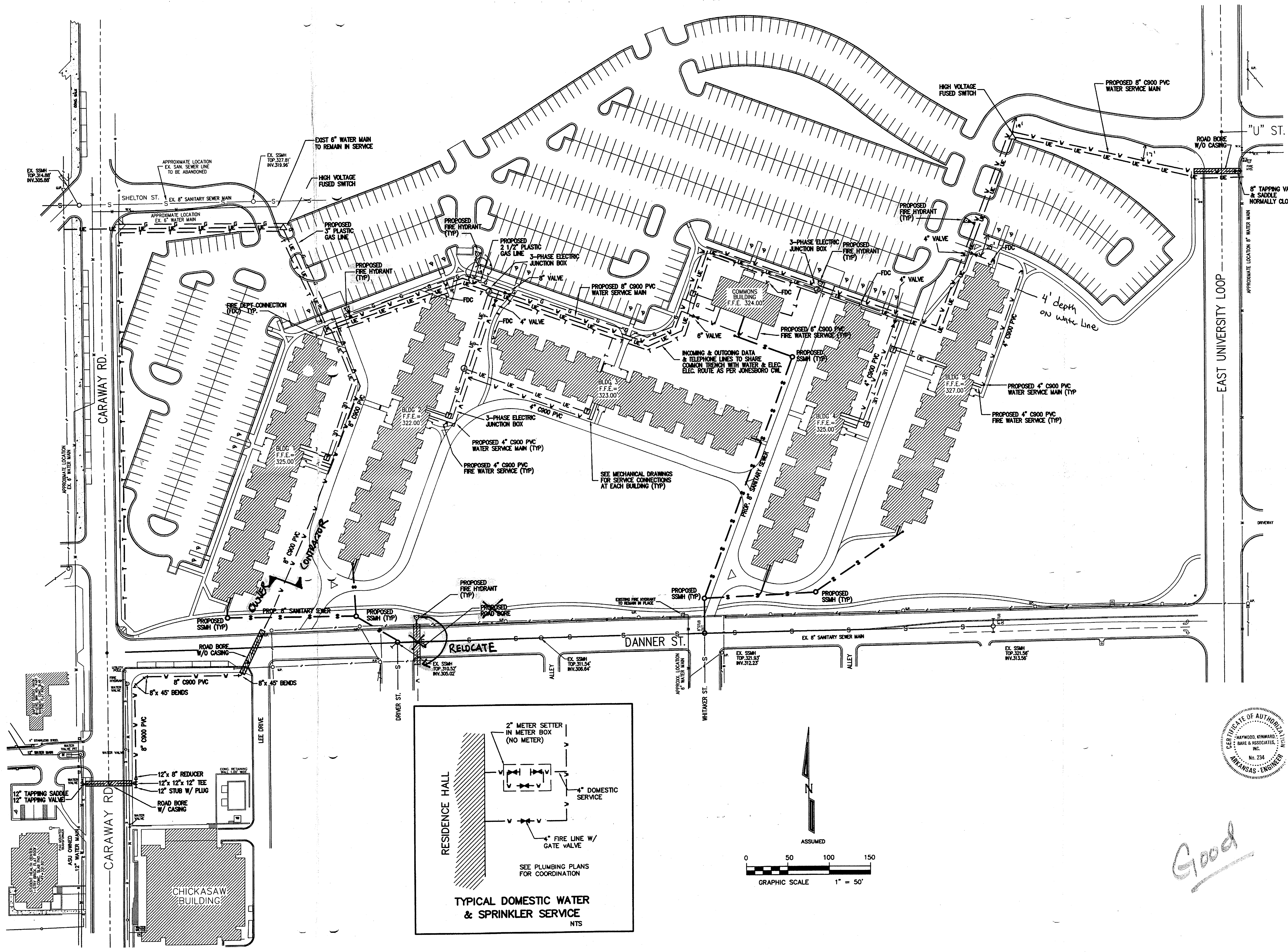
**BRACKETT
KRENNERICH**

Old Engineering, Surveying & Planning
HKB
HAYWOOD, KEHWARD, BARE & ASSOCIATES, INC.

ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 234
No. 0052
ROBERT D. HAYWOOD

OVERALL SITE
UTILITY PLAN

Commission Number
10404 R
C401
Date: November 23, 2005
REV. MARCH 08, 2005
CHANGE ORDER



Good

ASSUMED

EX. SSMH
TOP. 314.88'
INV. 305.88'

APPROXIMATE LOCATION
EX. SAN. SEWER LINE
TO BE ABANDONED

EX. SSMH
TOP. 327.81'
INV. 319.96'

SHELTON ST.
EX. 8" SANITARY SEWER MAIN

CARAWAY RD.

EAST UNIVERSITY LOOP

APPROXIMATE LOCATION 8" WATER MAIN

DRIVEWAY

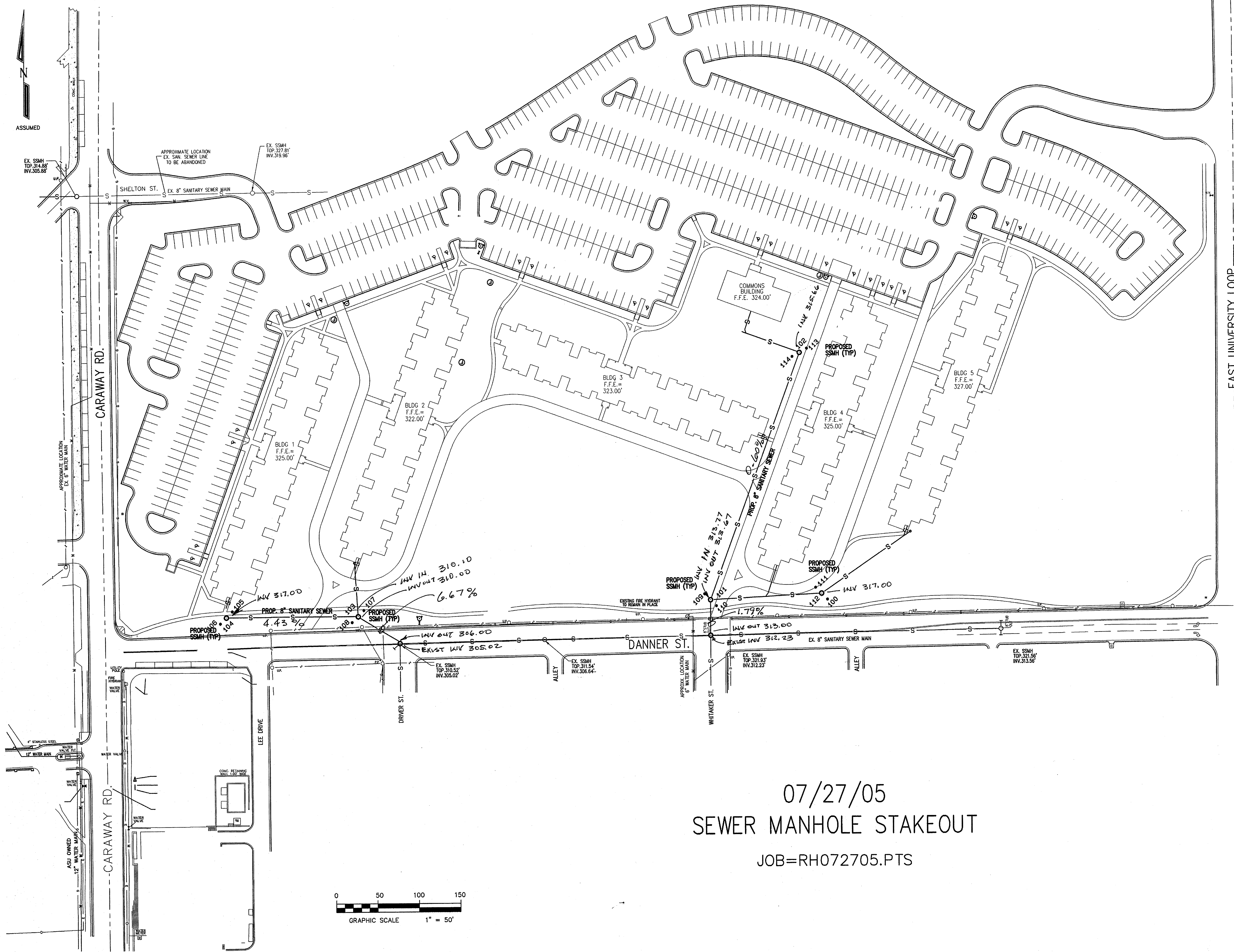
Civil Engineering, Surveying & Planning
HKB
HAYWOOD, REINHARD, BAIRE & ASSOCIATES

NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY

BRACKETT
KRENNERICH

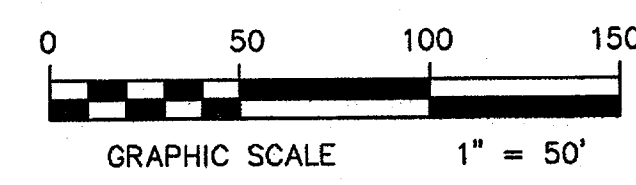
OVERALL SITE
UTILITY PLAN

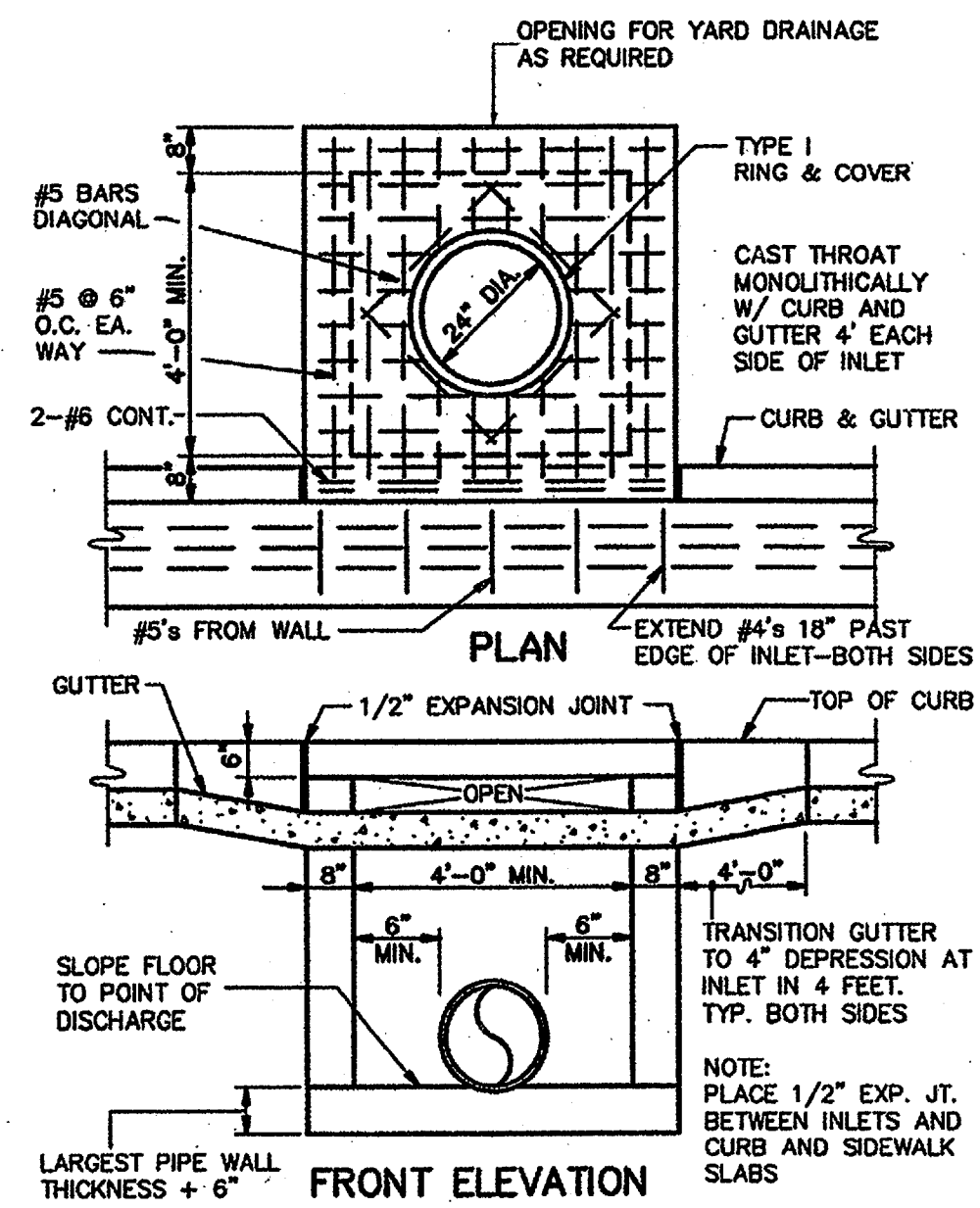
C40



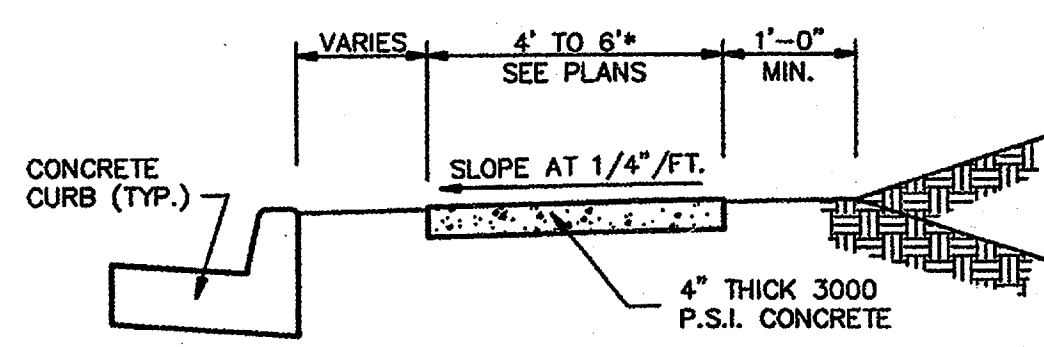
07/27/05
SEWER MANHOLE STAKEOUT

JOB=RH072705.PTS

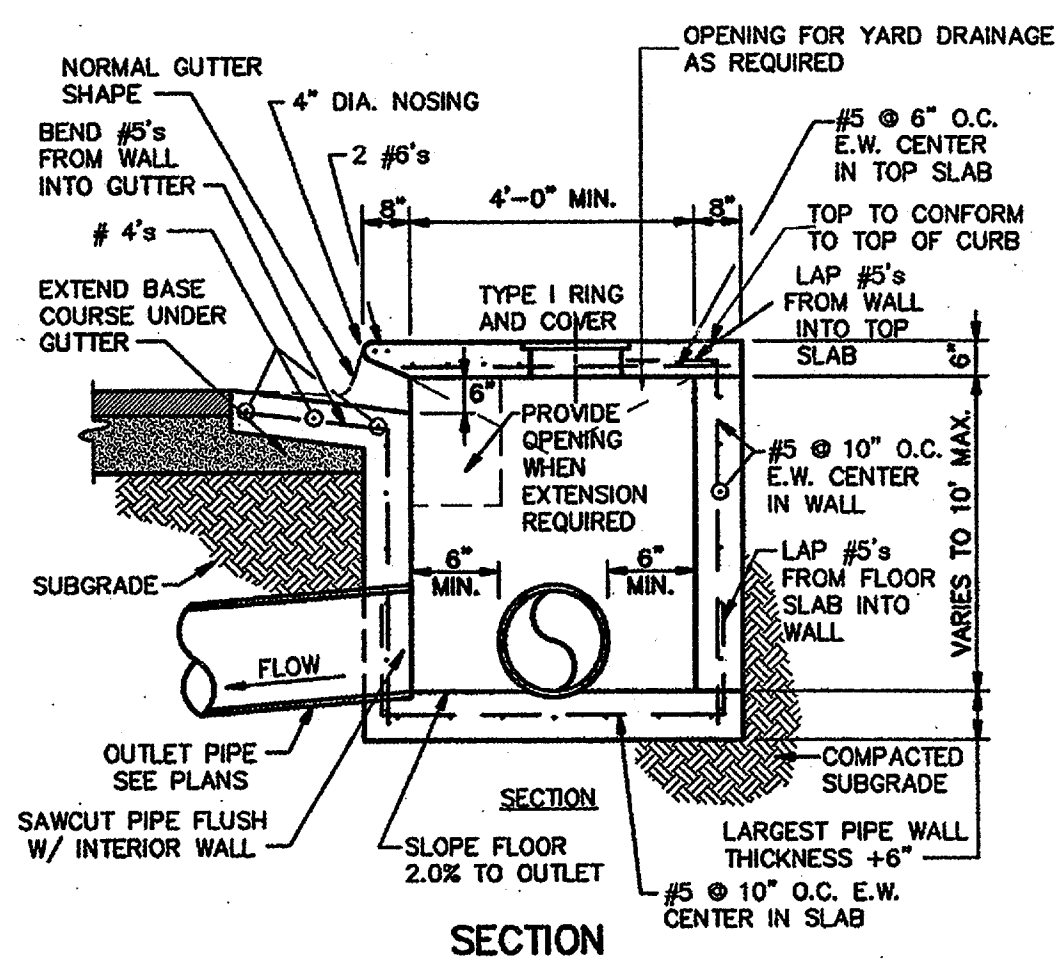




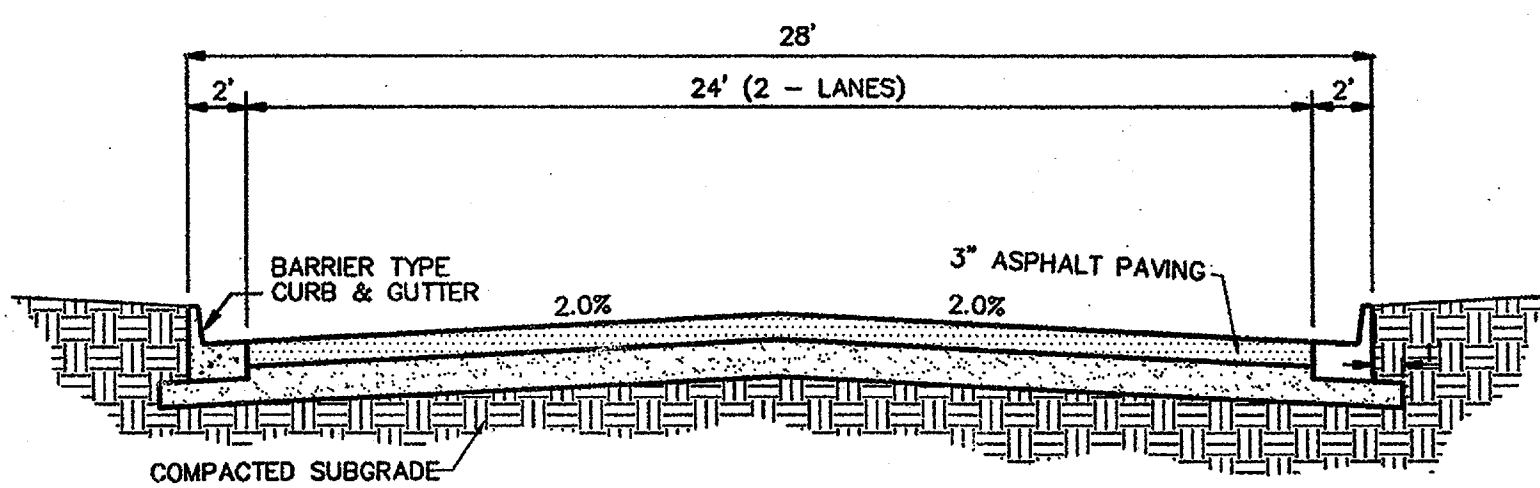
1 TYPE "A" CURB INLET
N.T.S.



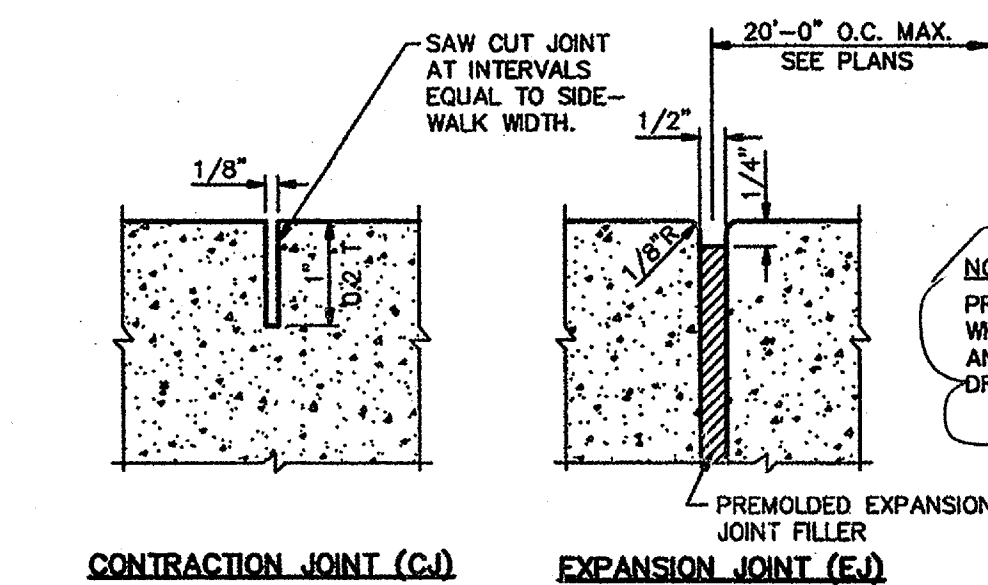
2 TYPICAL SIDEWALK - SECTION
N.T.S.



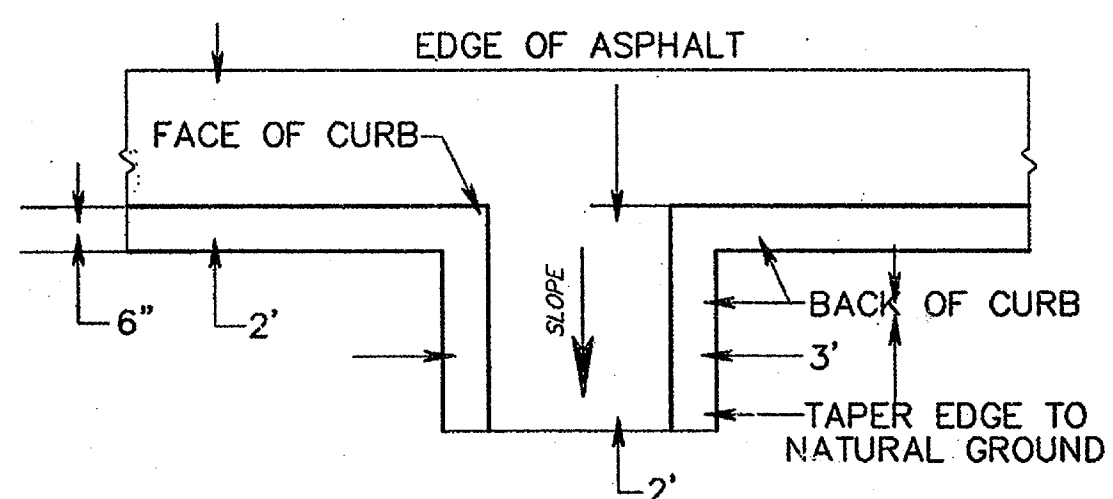
3 THROAT EXTENSION DETAIL
N.T.S.



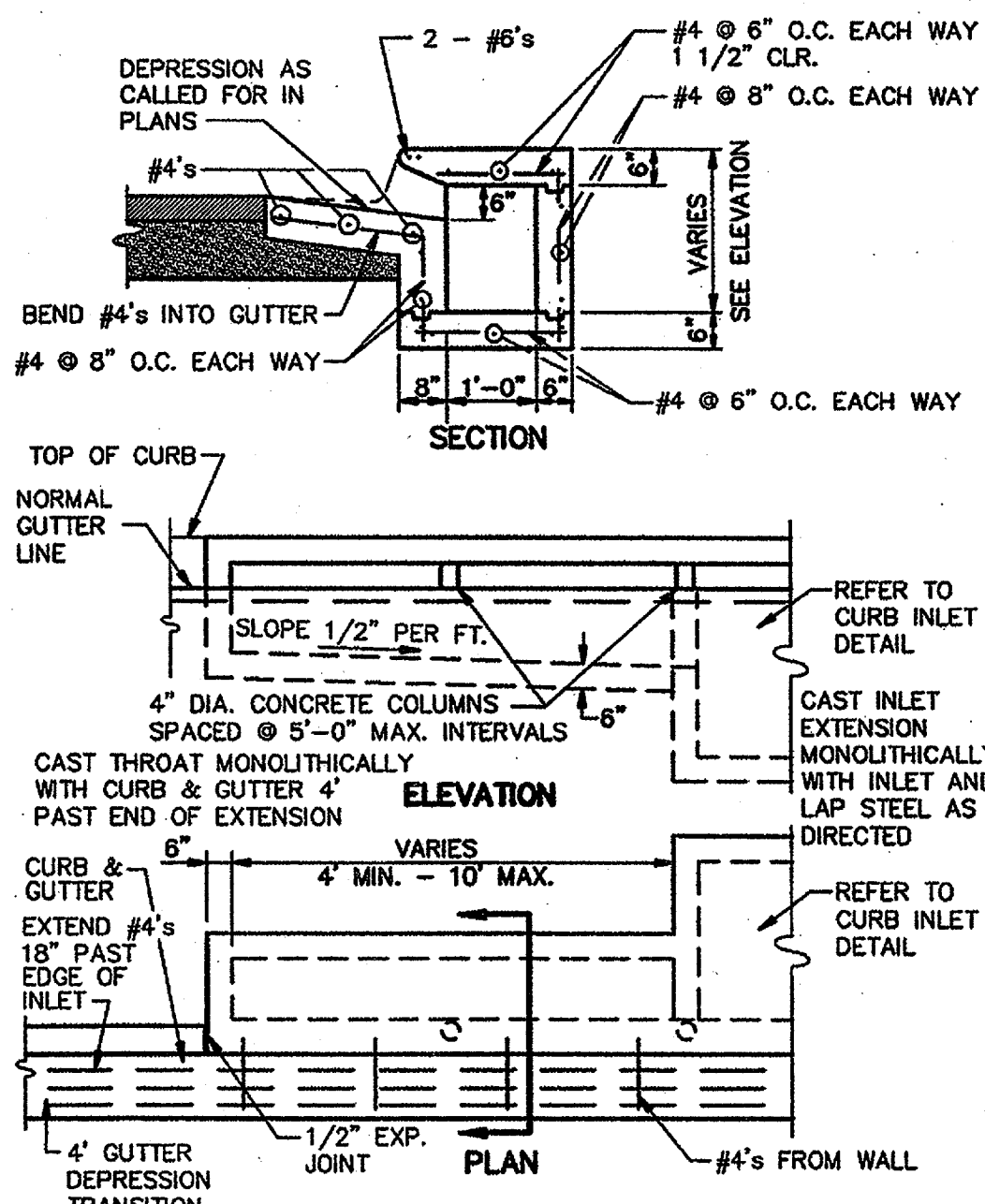
4 TYPICAL STREET CROWN DETAIL
N.T.S.



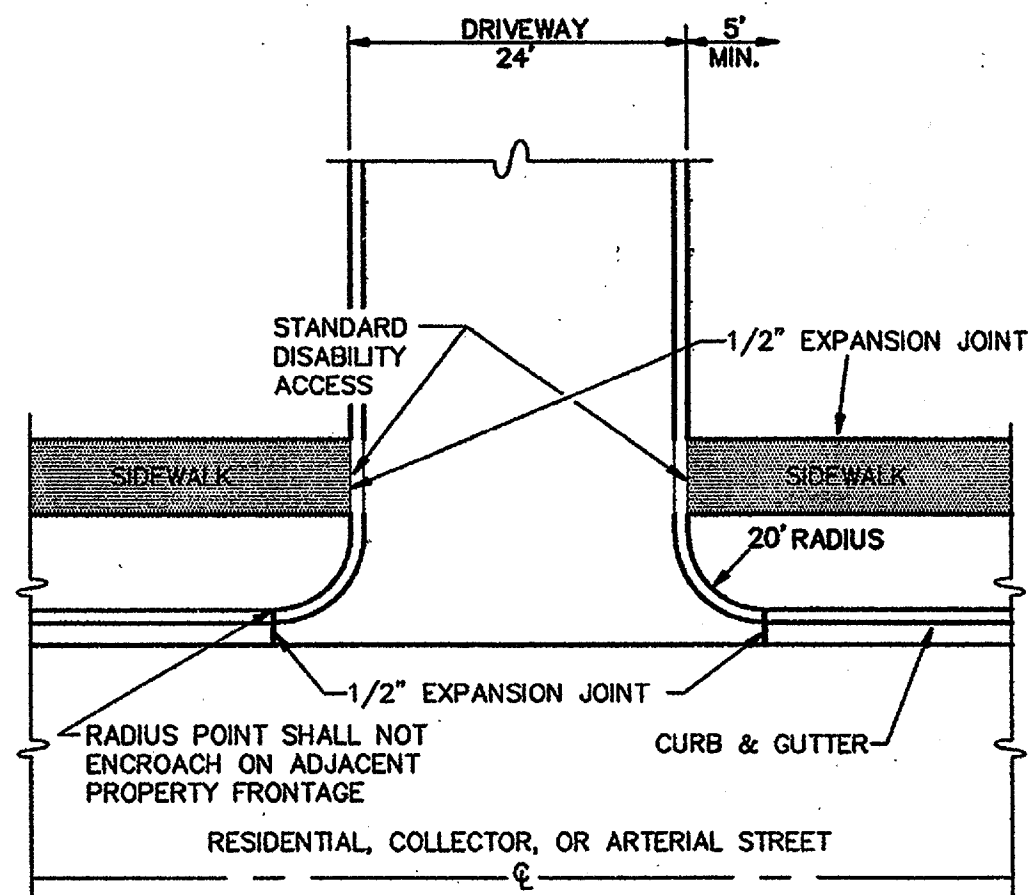
5 TYPICAL SIDEWALK JOINT DETAIL
N.T.S.



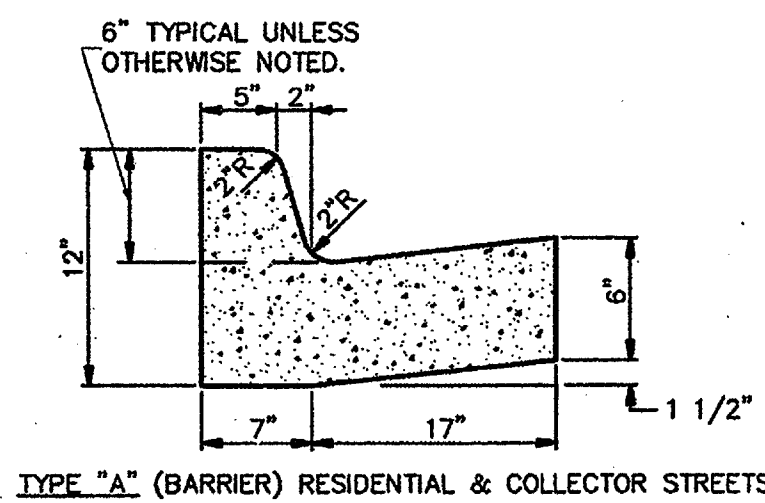
6 CURB CUT DETAIL
N.T.S.



7 DRIVEWAY TURNOUT
N.T.S.



8 BARRIER TYPE CURB AND GUTTER
N.T.S.



9 POND WEIR DETAIL
N.T.S.

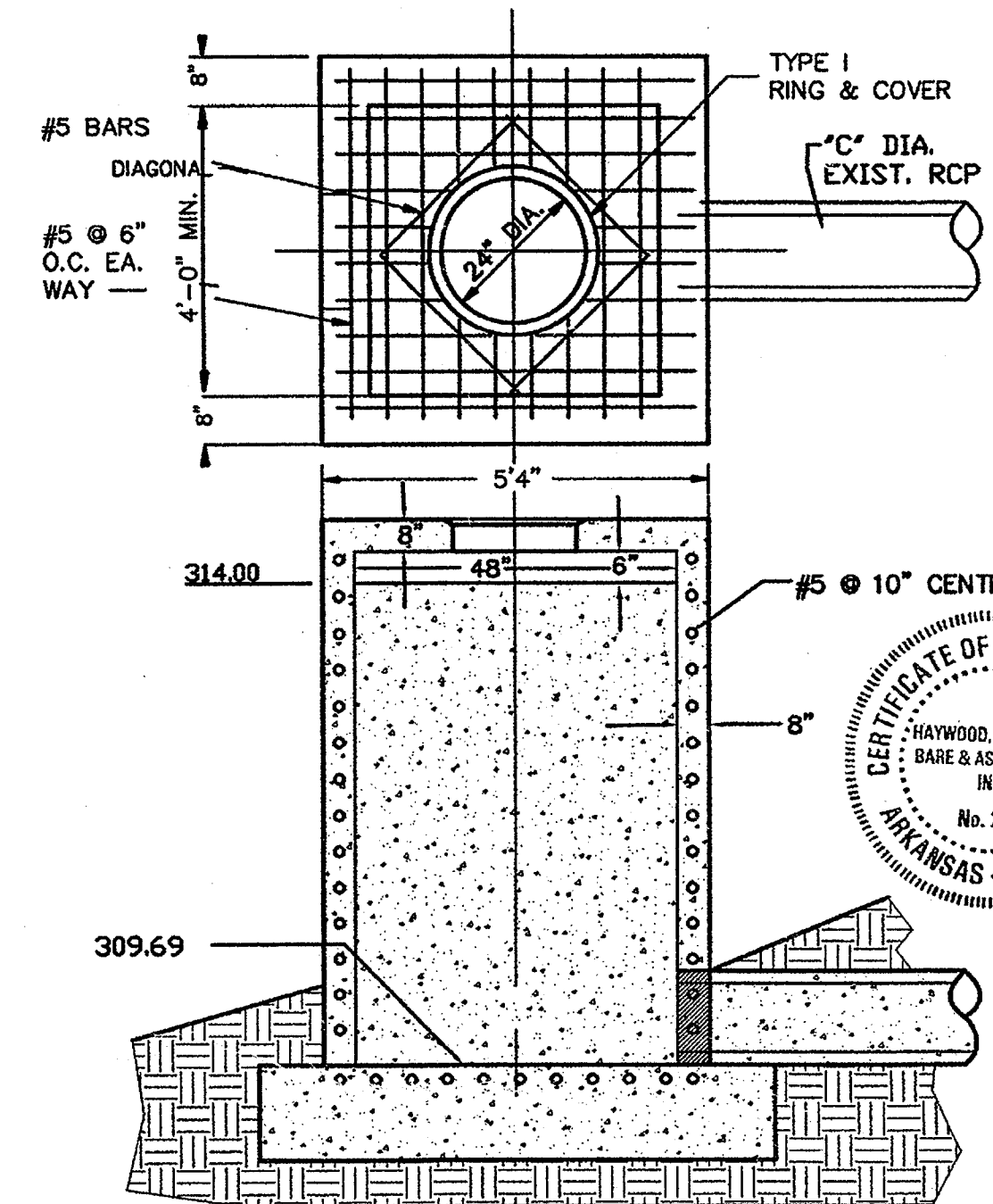
Drawings: Sheet CS01, Detail 5

Change reference note that refers to 3,000 psi concrete to read "4,000 psi concrete".

Clarification: All exterior concrete to be 4,000 psi as specified.

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

9



NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY

BO
KA
POWER

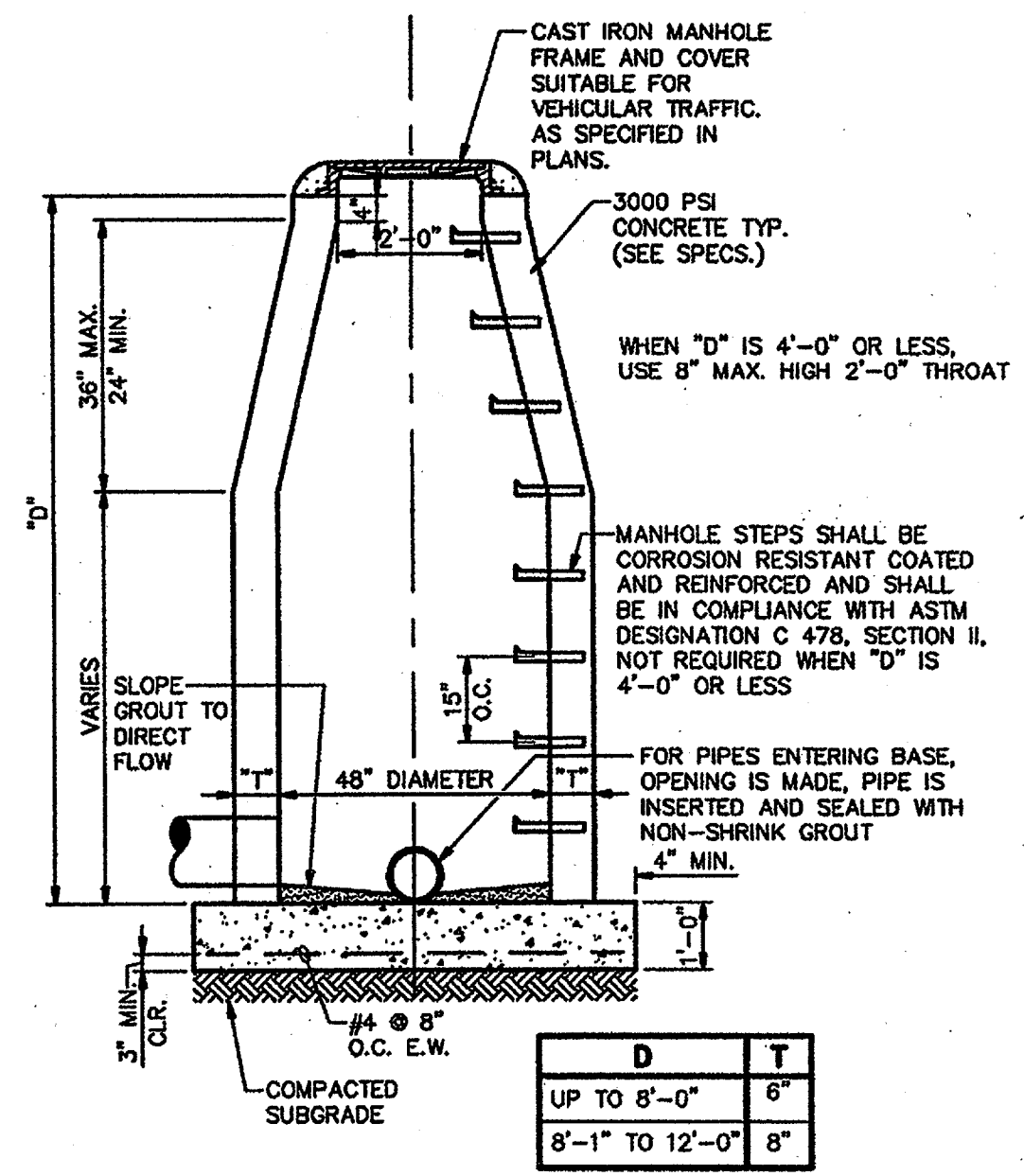
BRACKETT
KRENNERICH

BRACKETT
KRENNERICH
Civil Engineering, Surveying & Planning
HKB
HAYWOOD, KENWARD, & ASSOCIATES, INC.
REGISTERED PROFESSIONAL ENGINEER
No. 234
No. 0082
ROBERT D. HENDRY

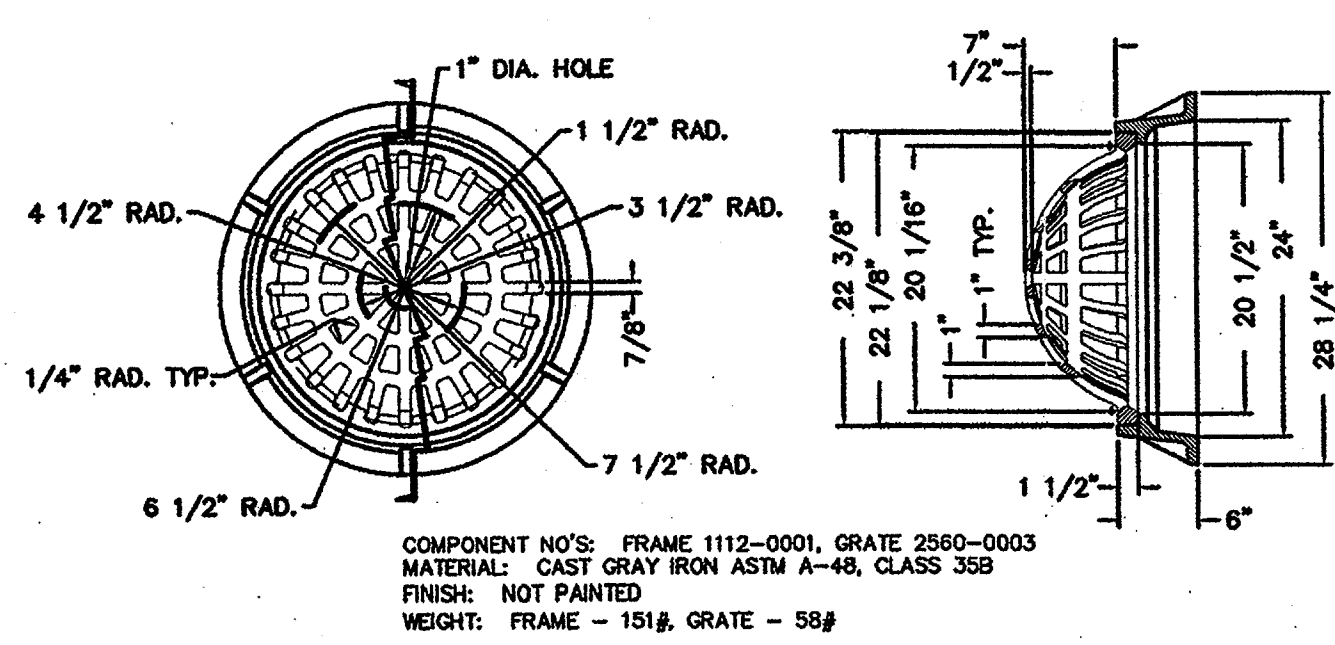
CERTIFICATE OF AUTHORIZATION
HAYWOOD, KENWARD, & ASSOCIATES, INC.
No. 234
No. 0082
ARKANSAS - ENGINEER

SITE CIVIL DETAIL

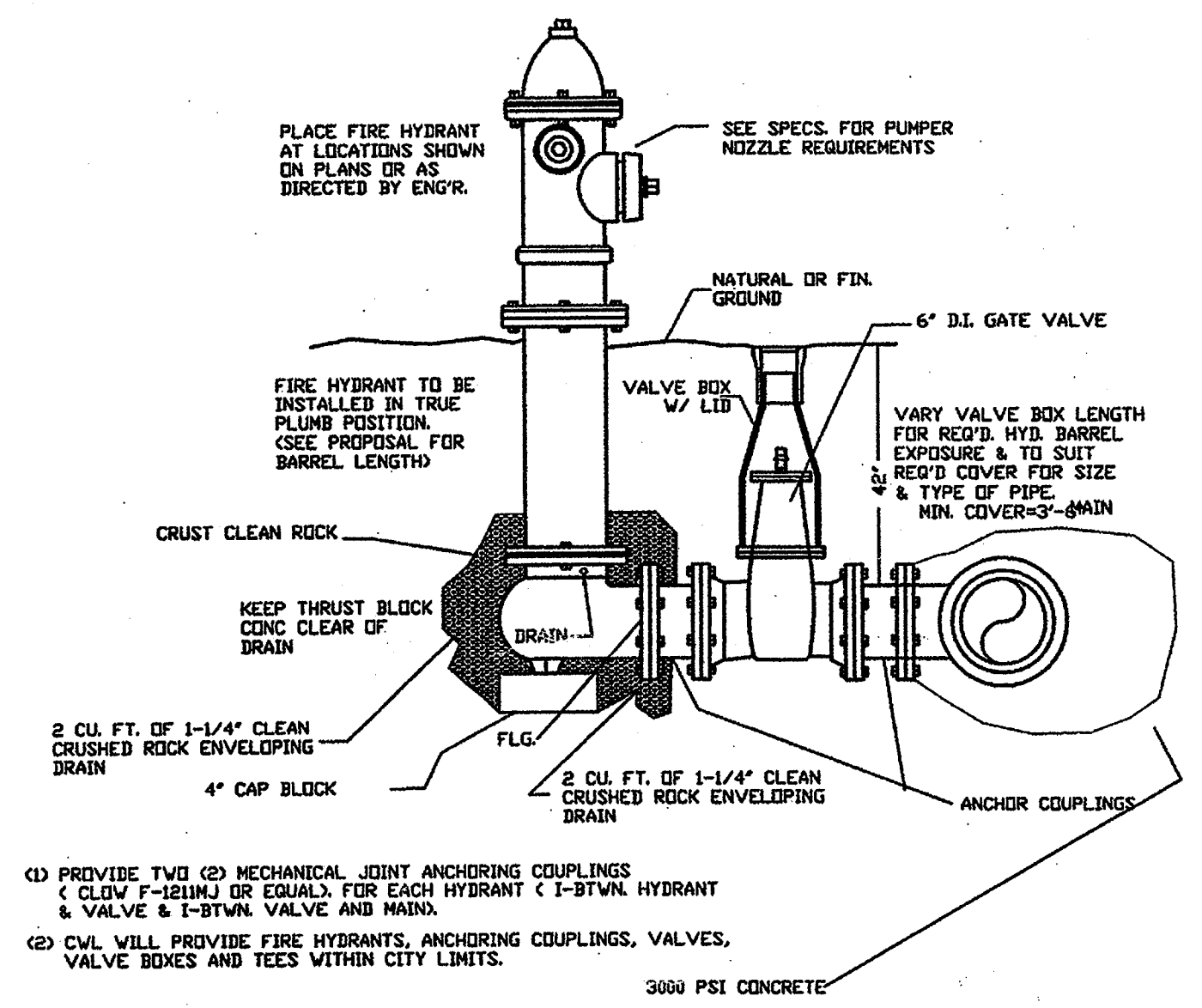
Commission Number
10404 R
C501
Date: November 23, 20



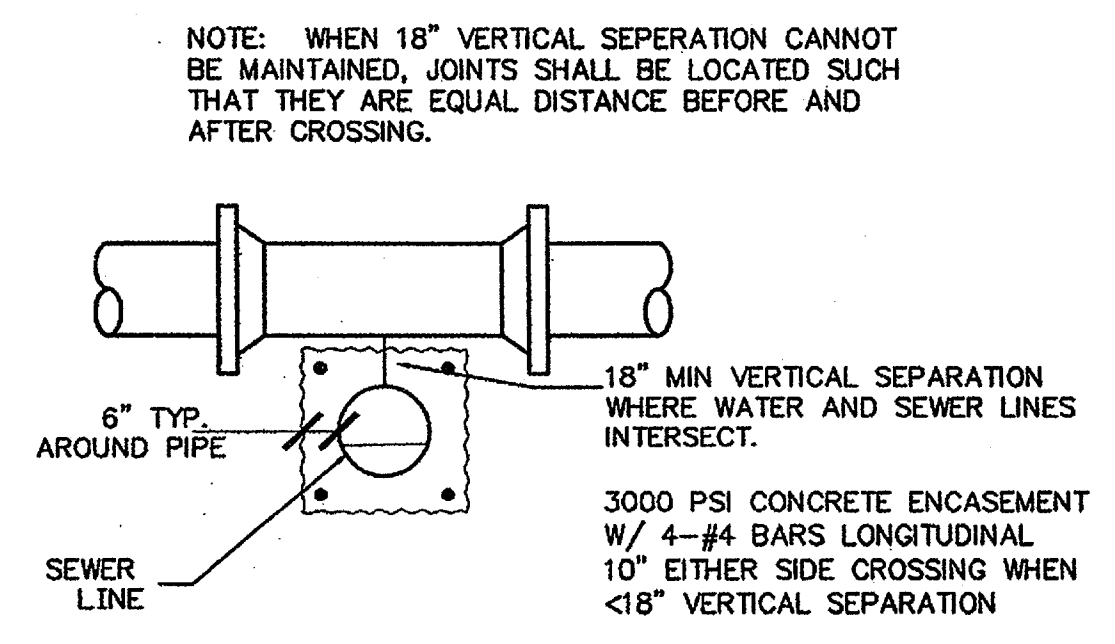
1 TYP POURED-IN-PLACE MANHOLE/JUNCTION BOX
N.T.S.



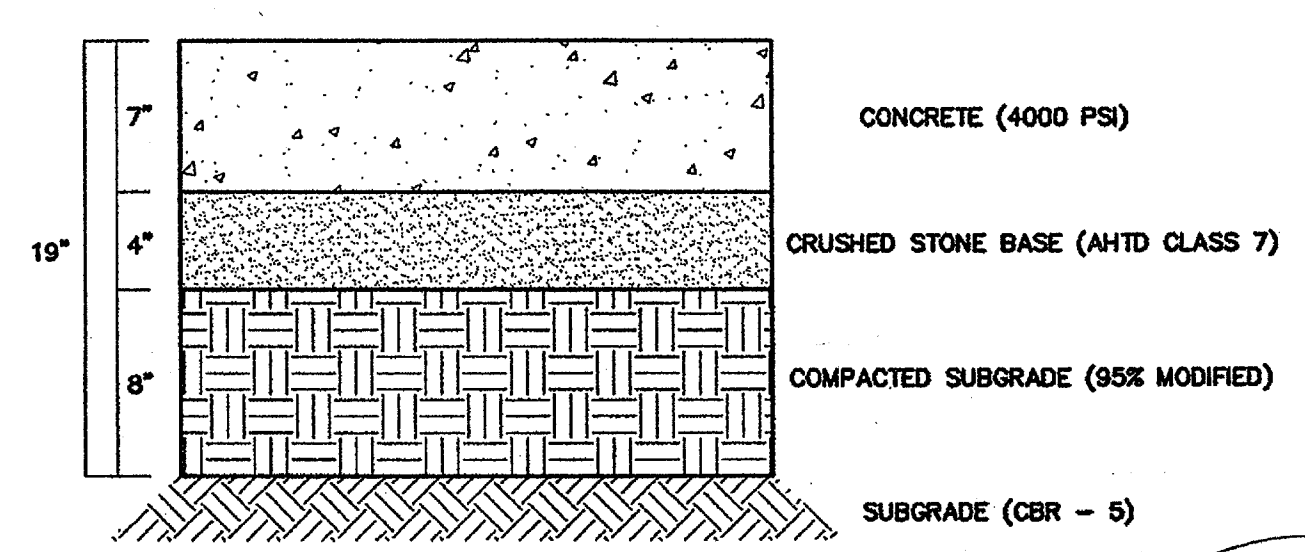
2 NEENAH BEEHIVE GRATE #R-2560-D2
N.T.S.



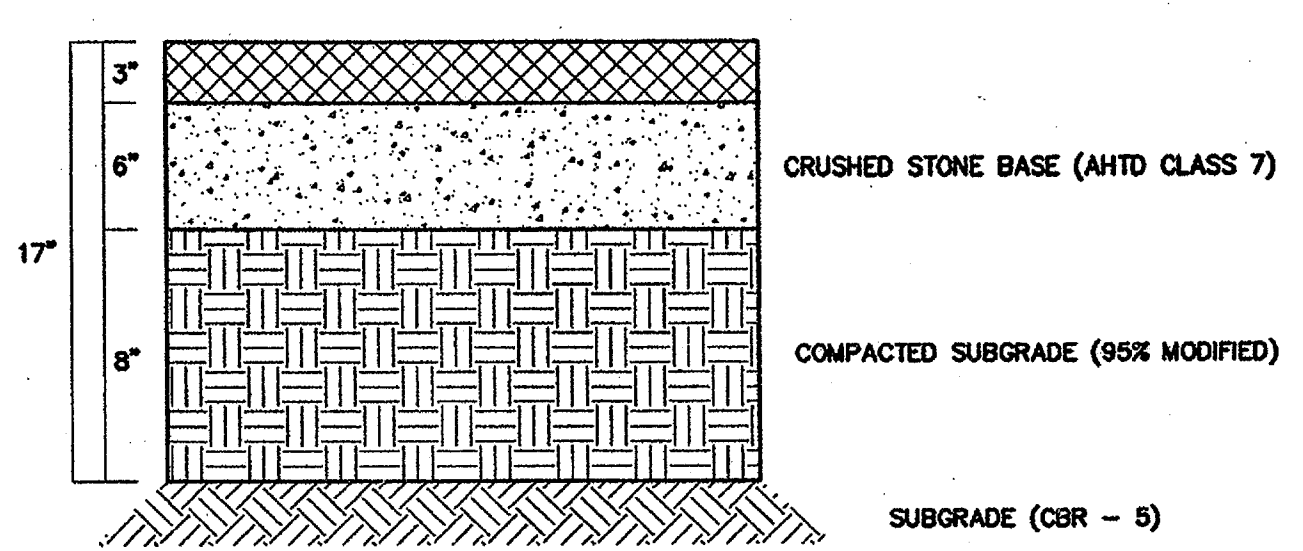
3 FIRE HYDRANT DETAIL
N.T.S.



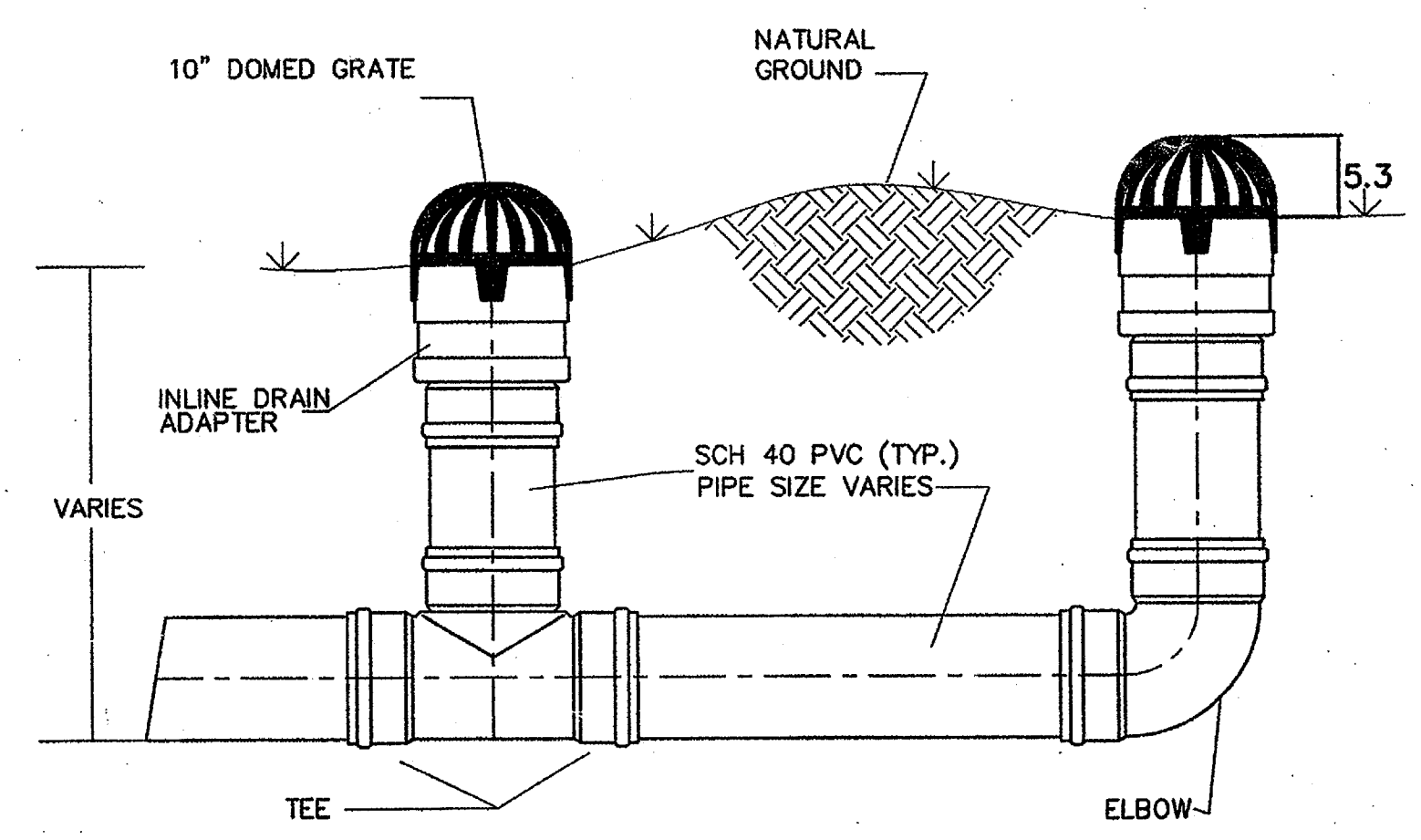
4 TYPICAL WATER & SEWER CROSSING
N.T.S.



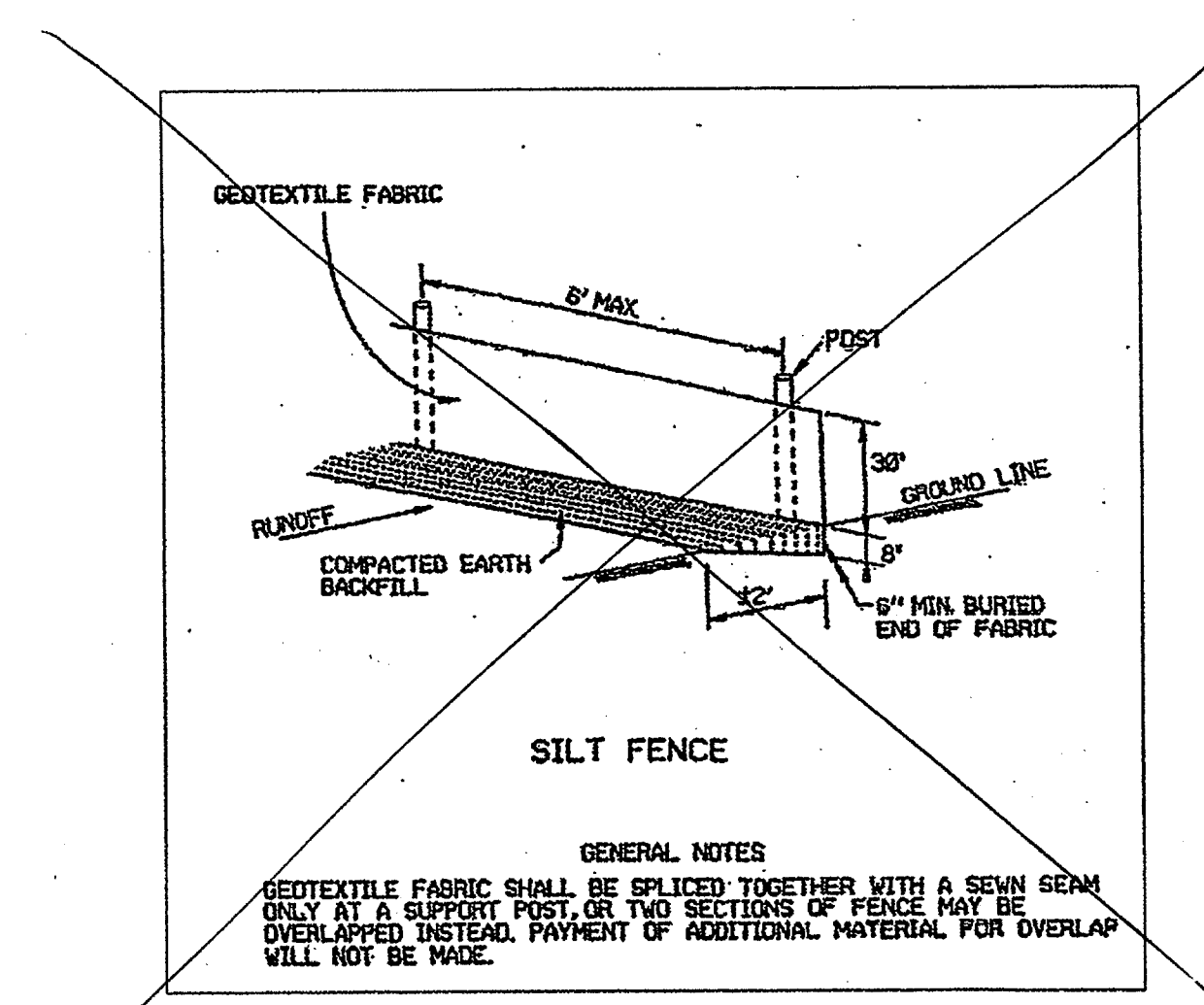
5 CONCRETE PAVING DETAIL (FIRE LANE ONLY)
N.T.S.



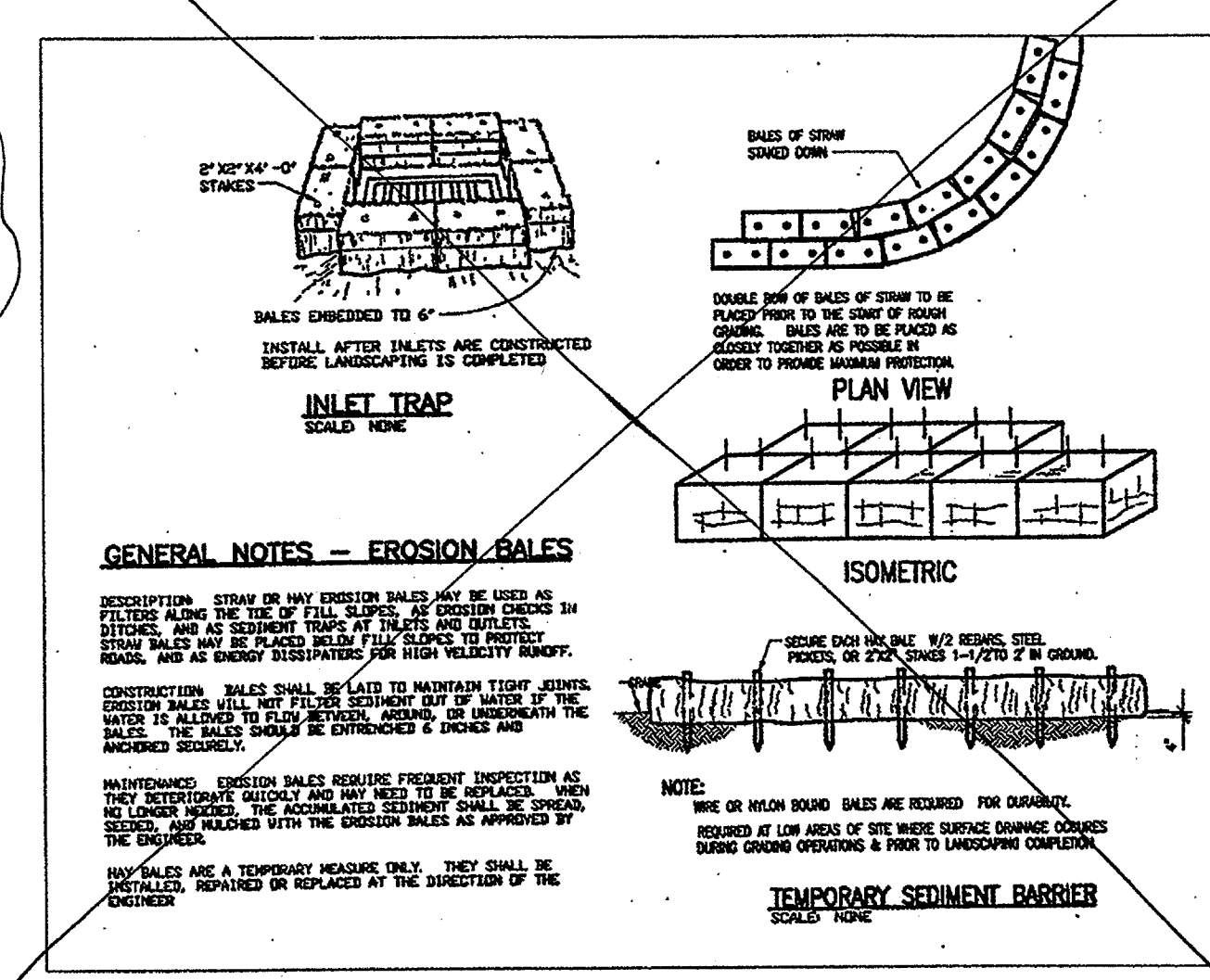
6 TYPICAL ASPHALT PAVING DETAIL
N.T.S.



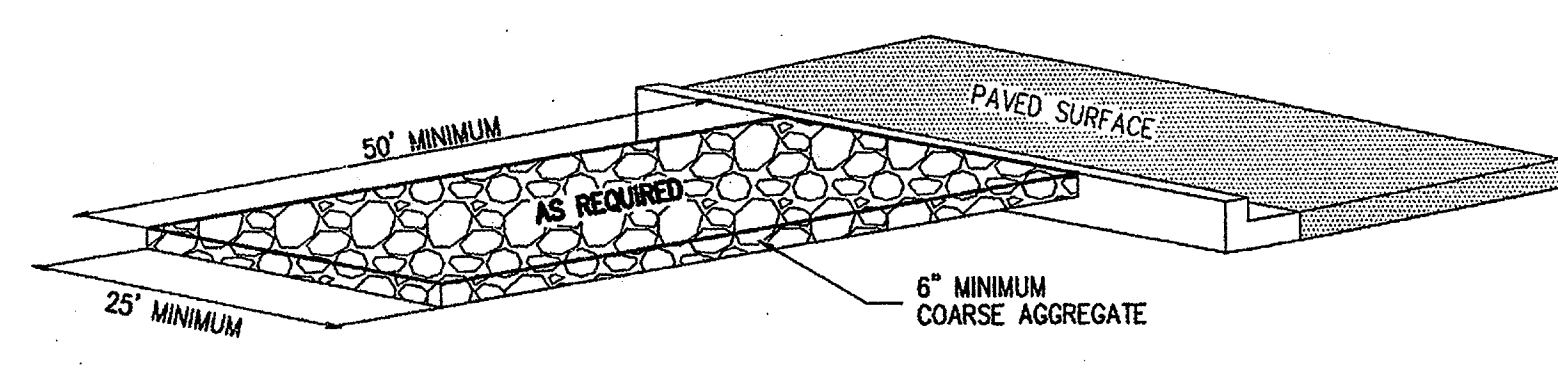
7 NYLOPLAST INLINE DRAIN DETAIL
N.T.S.



8 SILT FENCING DETAIL
N.T.S.



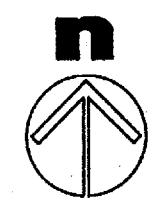
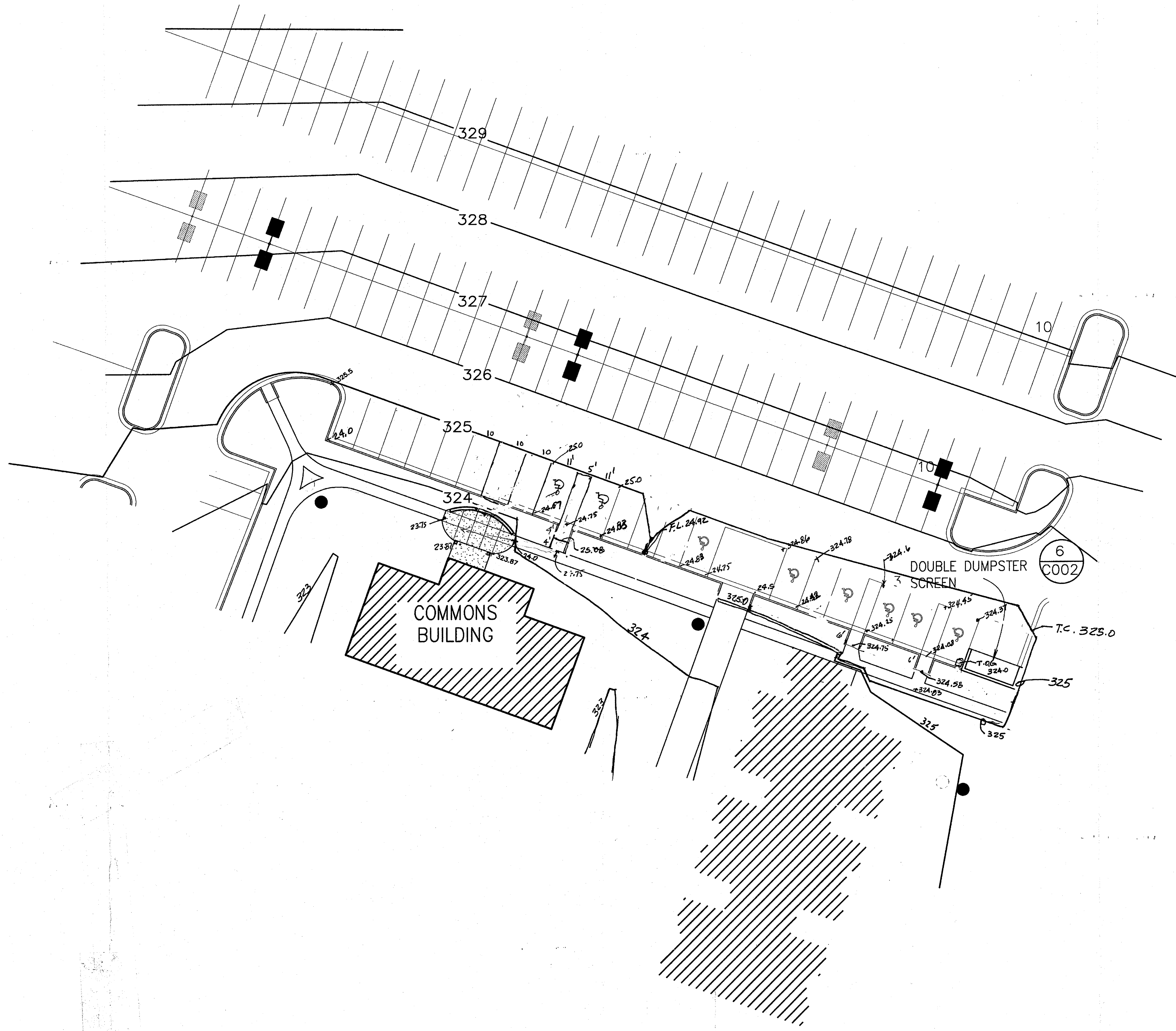
9 STRAW BALE SEDIMENT TRAP DETAIL
N.T.S.



10 B-STONE MUD ROAD DETAIL
N.T.S.

SEE REVISED
PLAN FROM
MEADOWS

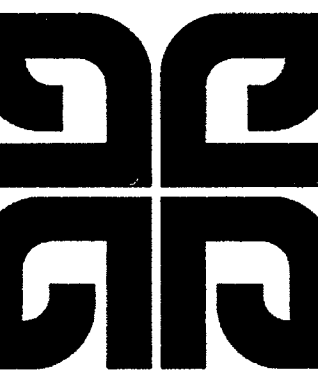
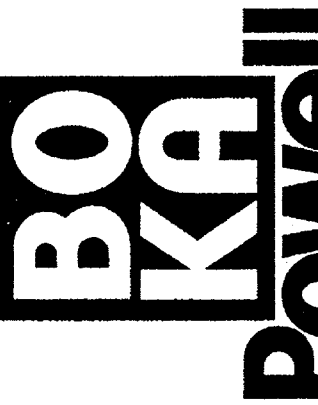
Drawings: Sheet C502, Detail 5
Add reference note to read:
"Provide expansion joints at intervals no greater than 20'-0".



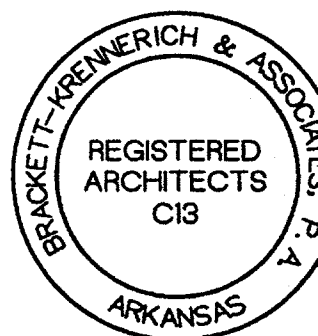
site plan

SCALE : 1" = 20'-0"

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COMMUNITY
ARKANSAS STATE UNIVERSITY**



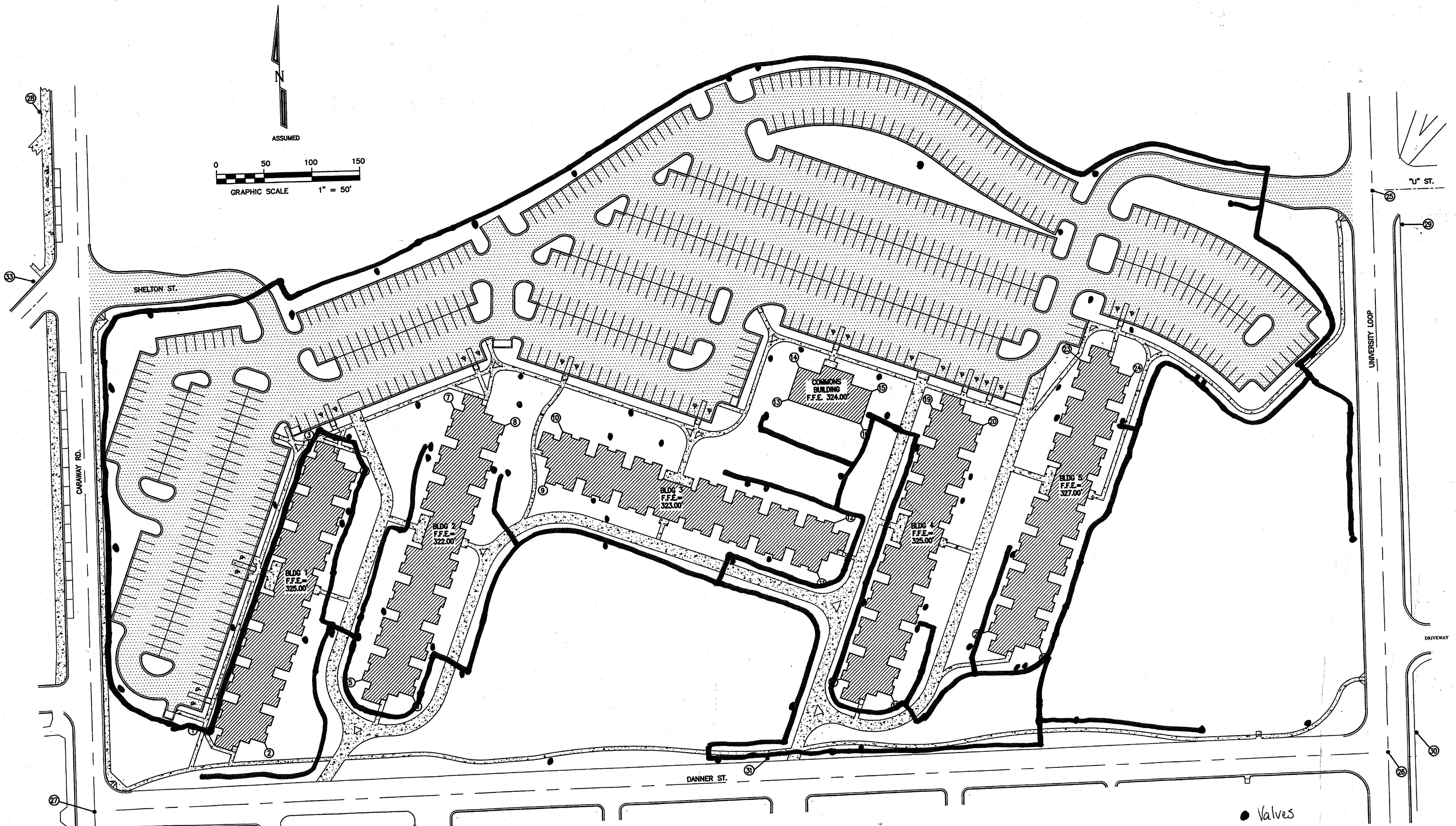
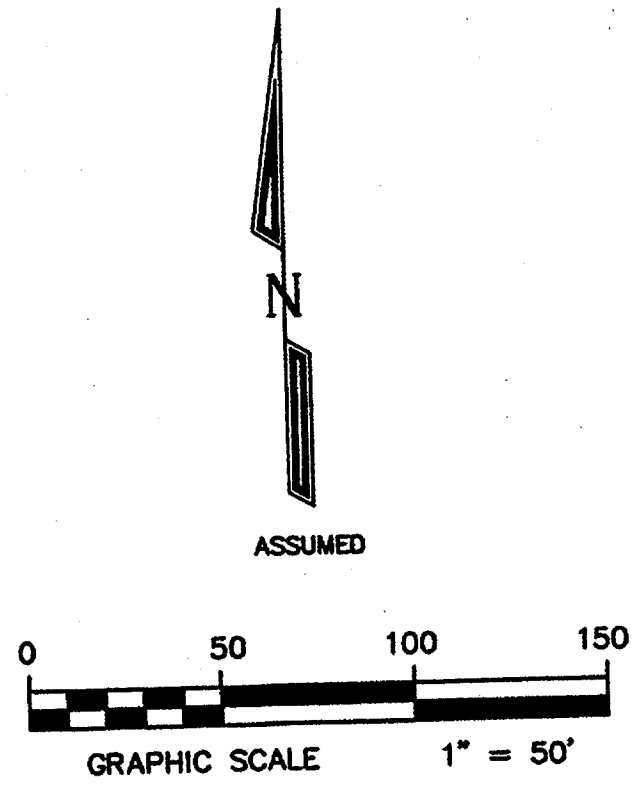
**BRACKETT
KRENNERICH**



Commission Number
10404R

SUPPLEMENT

Date: November 5, 2010
Revised: January 25, 2011



BUILDING CORNER & CONTROL POINT SCHEDULE

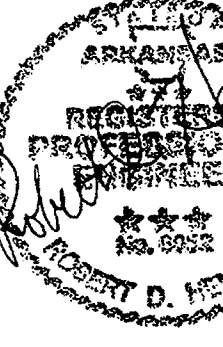
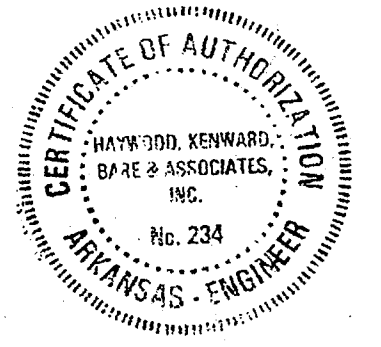
POINT NUMBER	NORTHING (Y)	EASTING (X)
1	5342.26	5547.22
2	5323.05	5600.00
3	5626.33	5650.61
4	5607.12	5703.40
5	5387.91	5703.43
6	5368.70	5756.21
7	5671.98	5806.82
8	5652.77	5859.60
9	5692.08	5900.27
10	5644.86	5919.49
11	5488.89	6184.34
12	5541.47	6203.55
13	5672.87	6157.84

POINT NUMBER	NORTHING (Y)	EASTING (X)
14	5707.01	6170.27
15	5679.33	6246.30
16	5645.19	6233.88
17	5375.94	6206.07
18	5356.73	6258.85
19	5660.01	6309.46
20	5640.79	6382.24
21	5422.61	6362.64
22	5403.40	6415.43
23	5706.68	6466.04
24	5687.47	6518.82
25	5878.4134	6776.5649
26	5283.4640	6778.2828

POINT NUMBER	NORTHING (Y)	EASTING (X)
* 27	5255.6865	5419.6702
* 28	6004.2026	5381.2035
STATE PLANE COORDINATES		
* 25	553438.20	1705763.61
* 26	552843.34	1705756.56
VERTICAL CONTROL - BENCHMARKS		
* 29	TOP FIRE HYD.	340.92
* 30	C.P.S. IN U.P.	323.20
* 31	TOP FIRE HYD.	323.72
* 32	TOP FIRE HYD.	336.28
* 33	C.P.S. IN U.P.	314.83

* DENOTES CONTROL POINTS

POINT ON BUILDING CORNERS, SHOWN ON THIS PLAN, REPRESENT EXTERIOR FACE OF FINISHED BUILDING AS PER SITE PLAN, DESIGNED BY BRACKETT-KRENNERICH ARCHITECTS.



**NEW RESIDENCE HALL
COMMUNITY**
ARKANSAS STATE UNIVERSITY

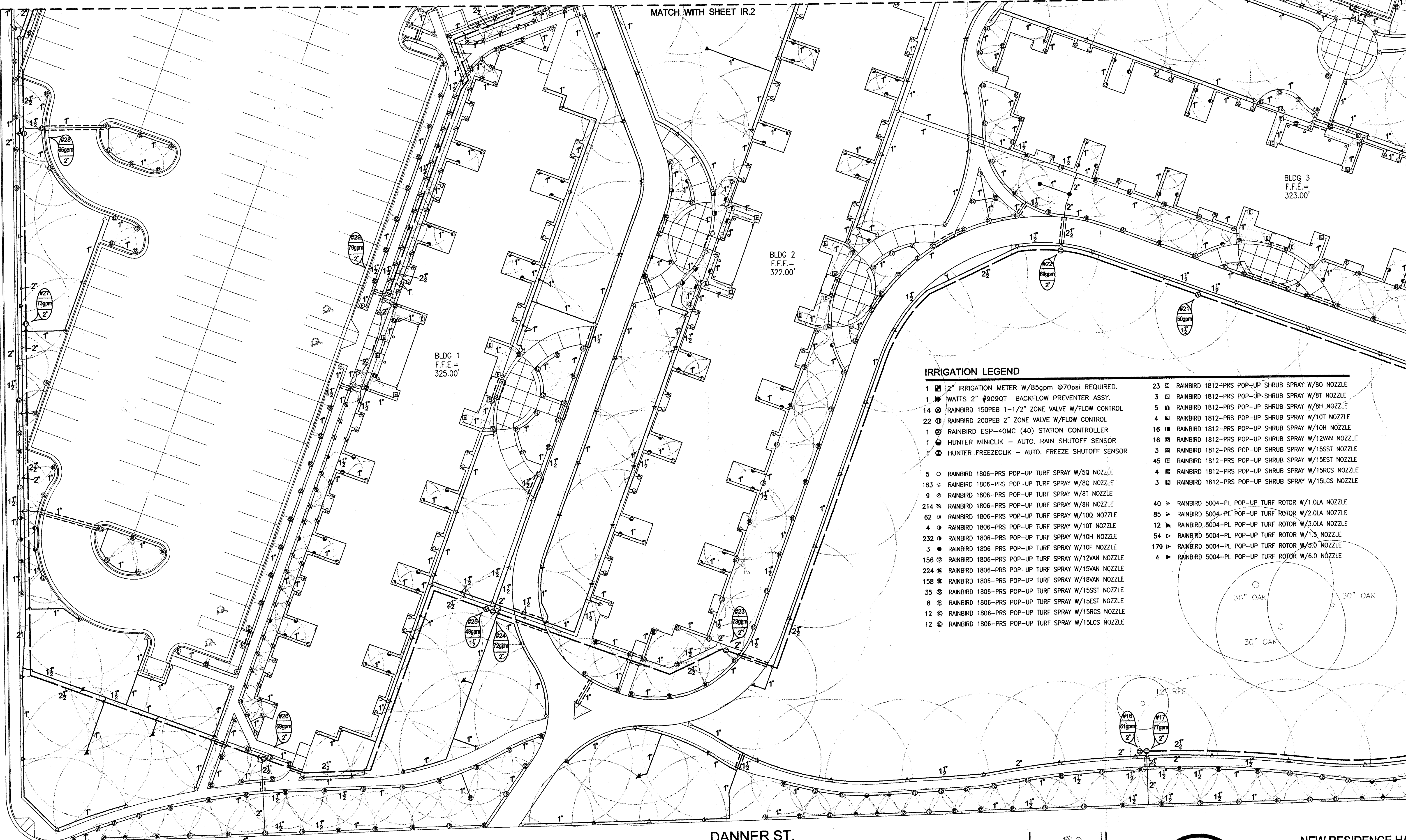
**BRACKETT
KRENNERICH**

Civil Engineers, Surveyors &
HKE
HAYWOOD, KEWARD, BARE & ASSOCIATES, INC.

Commission
10404
C20
Date: November
REV. FEBRUARY

CARAWAY RD.

MATCH WITH SHEET IR.2



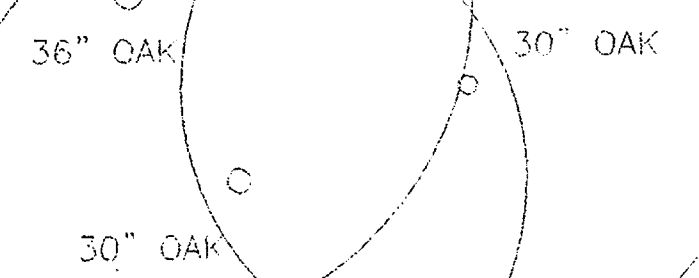
BLDG 1
F.F.E.=
325.00'

BLDG 2
F.F.E.=
322.00'

BLDG 3
F.F.E.=
323.00'

IRRIGATION LEGEND

- 1 [Symbol] 2" IRRIGATION METER W/85gpm @70psi REQUIRED.
- 1 [Symbol] WATTS 2" #909QT BACKFLOW PREVENTER ASSY.
- 14 [Symbol] RAINBIRD 150PEB 1-1/2" ZONE VALVE W/FLOW CONTROL
- 22 [Symbol] RAINBIRD 200PEB 2" ZONE VALVE W/FLOW CONTROL
- 1 [Symbol] RAINBIRD ESP-40MC (40) STATION CONTROLLER
- 1 [Symbol] HUNTER MINICLIK - AUTO. RAIN SHUTOFF SENSOR
- 1 [Symbol] HUNTER FREEZECLIK - AUTO. FREEZE SHUTOFF SENSOR
- 5 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/5Q NOZZLE
- 183 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/8Q NOZZLE
- 9 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/8T NOZZLE
- 214 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/8H NOZZLE
- 62 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/10Q NOZZLE
- 4 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/10T NOZZLE
- 232 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/10H NOZZLE
- 3 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/10F NOZZLE
- 156 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/12VAN NOZZLE
- 224 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/15VAN NOZZLE
- 158 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/18VAN NOZZLE
- 35 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/15SST NOZZLE
- 8 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/15EST NOZZLE
- 12 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/15RCS NOZZLE
- 12 [Symbol] RAINBIRD 1806-PRS POP-UP TURF SPRAY W/15LCS NOZZLE
- 23 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/8Q NOZZLE
- 3 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/8T NOZZLE
- 5 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/8H NOZZLE
- 4 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/10H NOZZLE
- 16 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/10T NOZZLE
- 16 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/12VAN NOZZLE
- 3 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/15SST NOZZLE
- 45 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/15EST NOZZLE
- 4 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/15RCS NOZZLE
- 3 [Symbol] RAINBIRD 1812-PRS POP-UP SHRUB SPRAY W/15LCS NOZZLE
- 40 [Symbol] RAINBIRD 5004-PL POP-UP TURF ROTOR W/1.0LA NOZZLE
- 85 [Symbol] RAINBIRD 5004-PL POP-UP TURF ROTOR W/2.0LA NOZZLE
- 12 [Symbol] RAINBIRD 5004-PL POP-UP TURF ROTOR W/3.0LA NOZZLE
- 54 [Symbol] RAINBIRD 5004-PL POP-UP TURF ROTOR W/1.5 NOZZLE
- 179 [Symbol] RAINBIRD 5004-PL POP-UP TURF ROTOR W/3.0 NOZZLE
- 4 [Symbol] RAINBIRD 5004-PL POP-UP TURF ROTOR W/6.0 NOZZLE



1/2" TREE

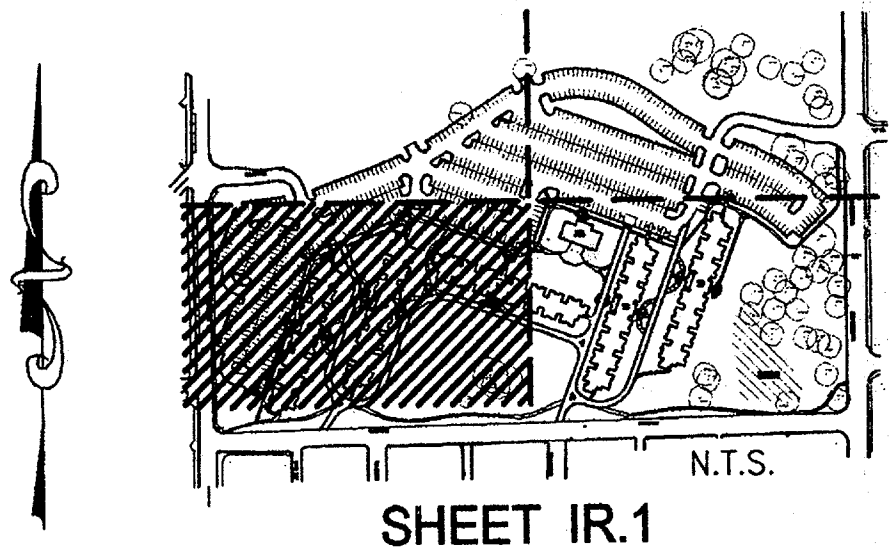
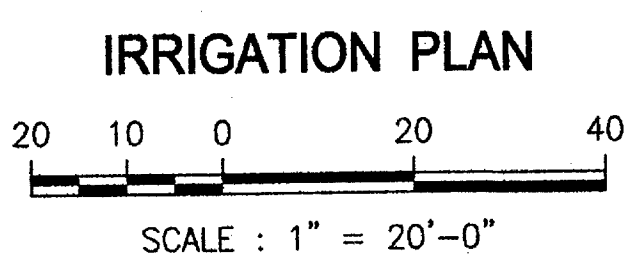
DANNER ST.

GENERAL NOTES

1. OWNER IS RESPONSIBLE FOR THE INSTALLATION OF A 2" IRRIGATION WATER METER.
2. COORDINATE EXACT LOCATIONS OF CONTROLLER AND SENSORS WITH THE OWNER.
3. ALL PVC MAINLINE SHALL BE PVC SCH40. ALL LATERAL PIPING SHALL BE PVC CL200. 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. ALL SLEEVING PROVIDED FOR THE IRRIGATION SYSTEM TO BE SCH40 PVC.
2. ALL SLEEVING TO BE BURIED A MIN. OF 18" AND A MAX. OF 24" BELOW THE FINISHED GRADE. ENDS OF SLEEVES SHALL EXTEND 12" PAST THE EDGES OF ALL PAVING AND CURBS AND BE CLEARLY MARKED FOR FUTURE USE BY THE SPRINKLER SYSTEM CONTRACTOR.



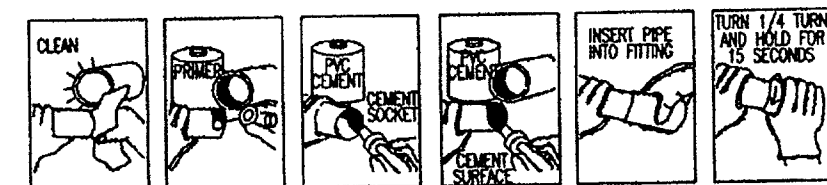
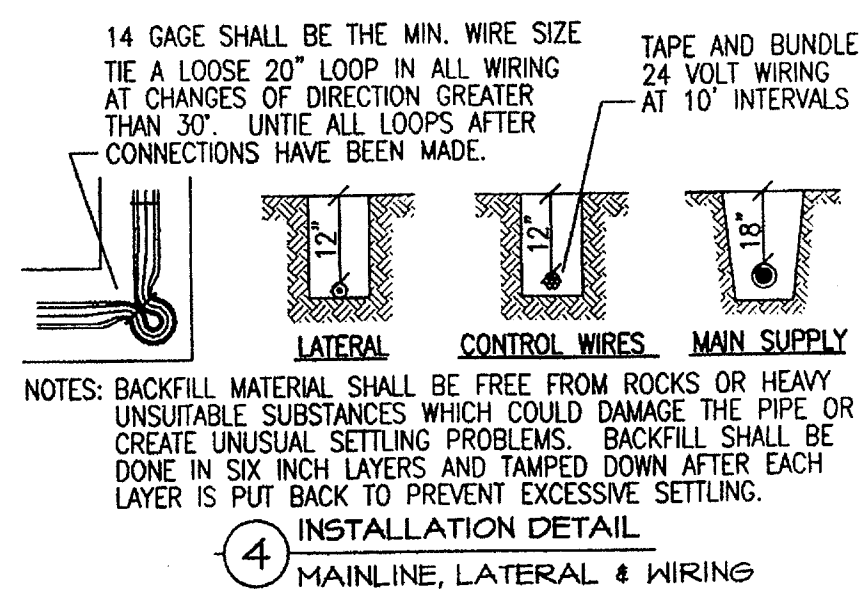
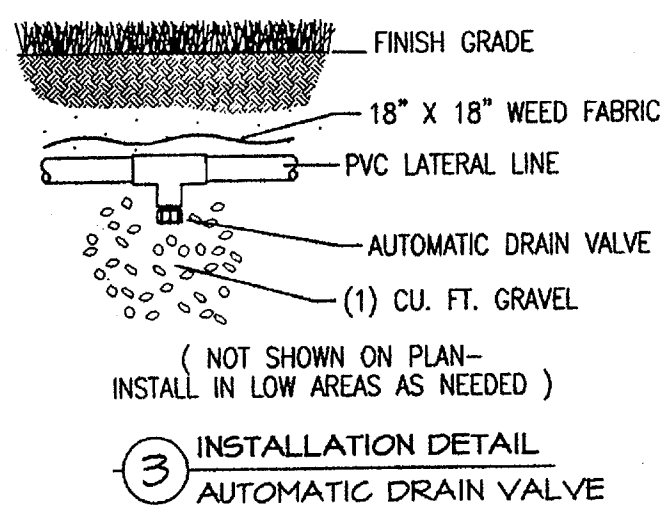
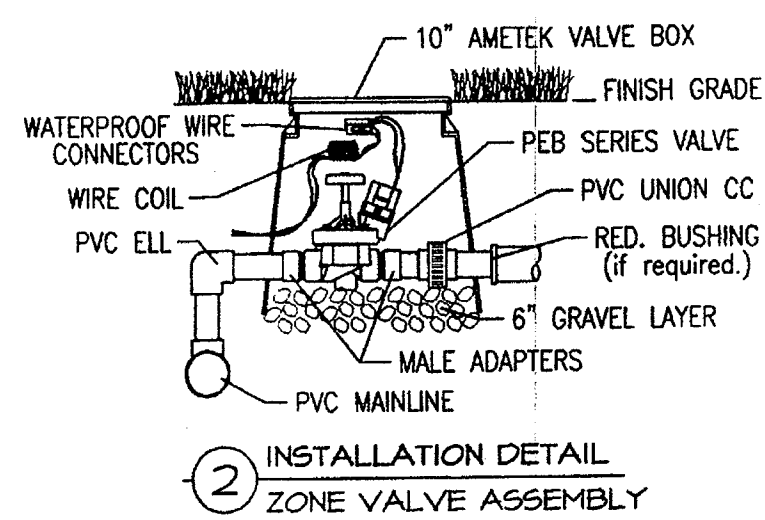
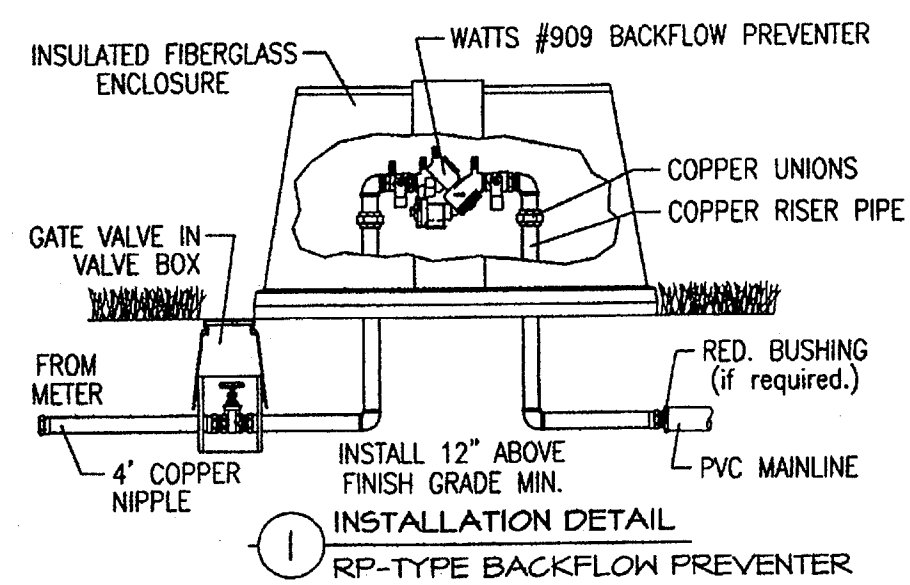
NEW RESIDENCE HALL
ARKANSAS STATE UNIVERSITY
JONESBORO, ARKANSAS

Pope Lawn Care & Landscaping

P. O. Box 129
2500 W. Washington
Jonesboro, AR 72401

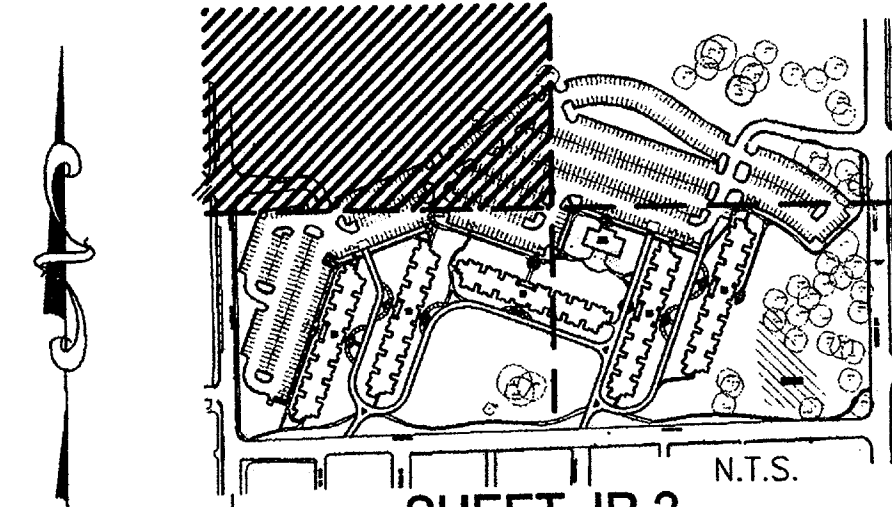
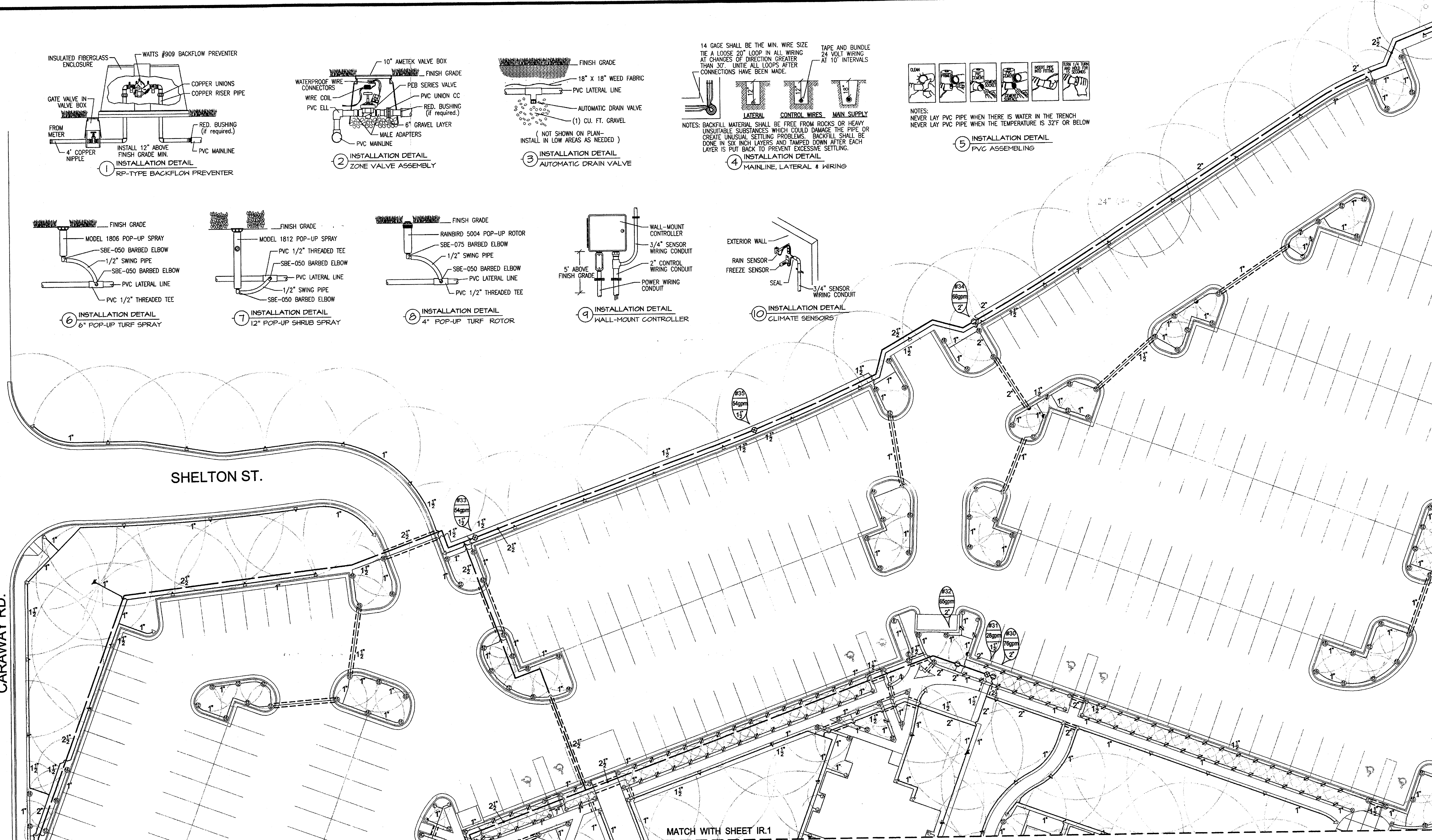
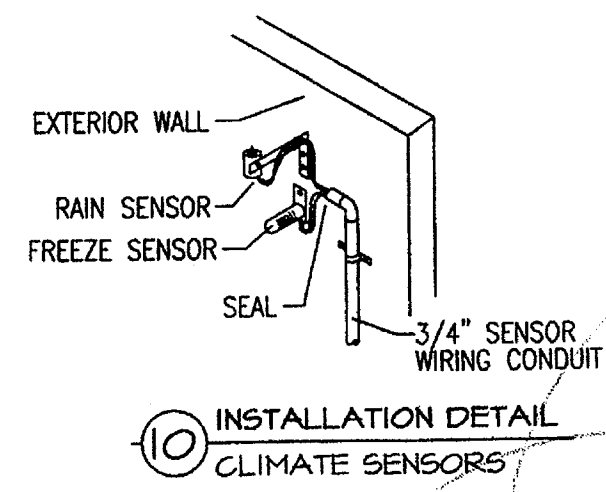
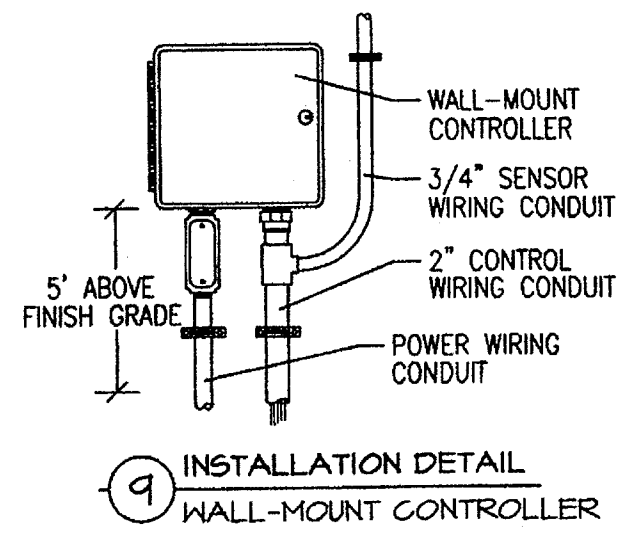
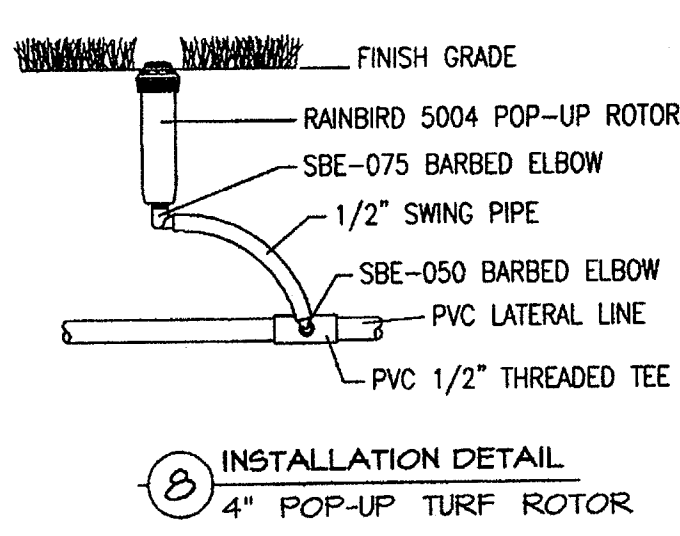
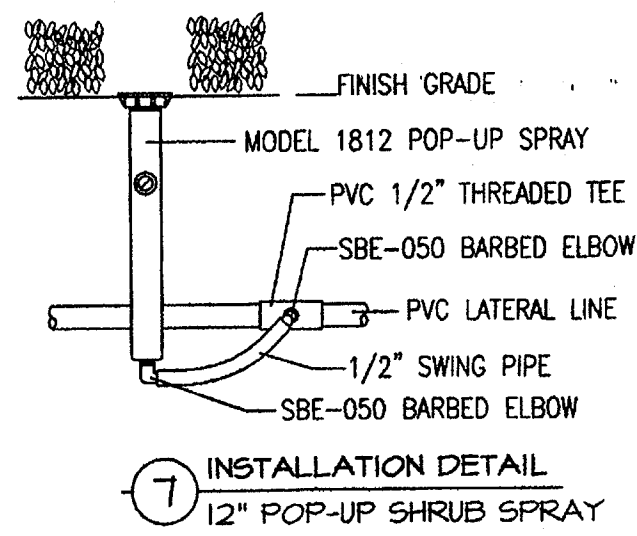
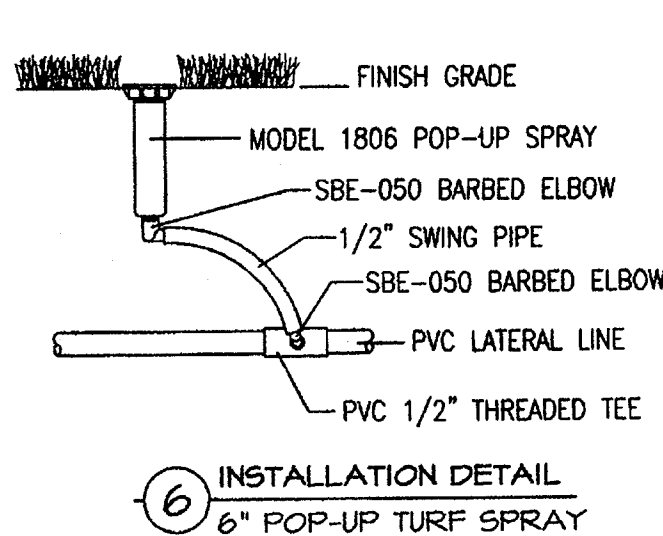
Kelly D. Pope

870-835-3422
870-831-0280 Cell
870-832-0282 Fax



NOTES:
NEVER LAY PVC PIPE WHEN THERE IS WATER IN THE TRENCH
NEVER LAY PVC PIPE WHEN THE TEMPERATURE IS 32°F OR BELOW

5 INSTALLATION DETAIL
PVC ASSEMBLING



IRRIGATION PLAN
20 10 0 20 40
SCALE : 1" = 20'-0"



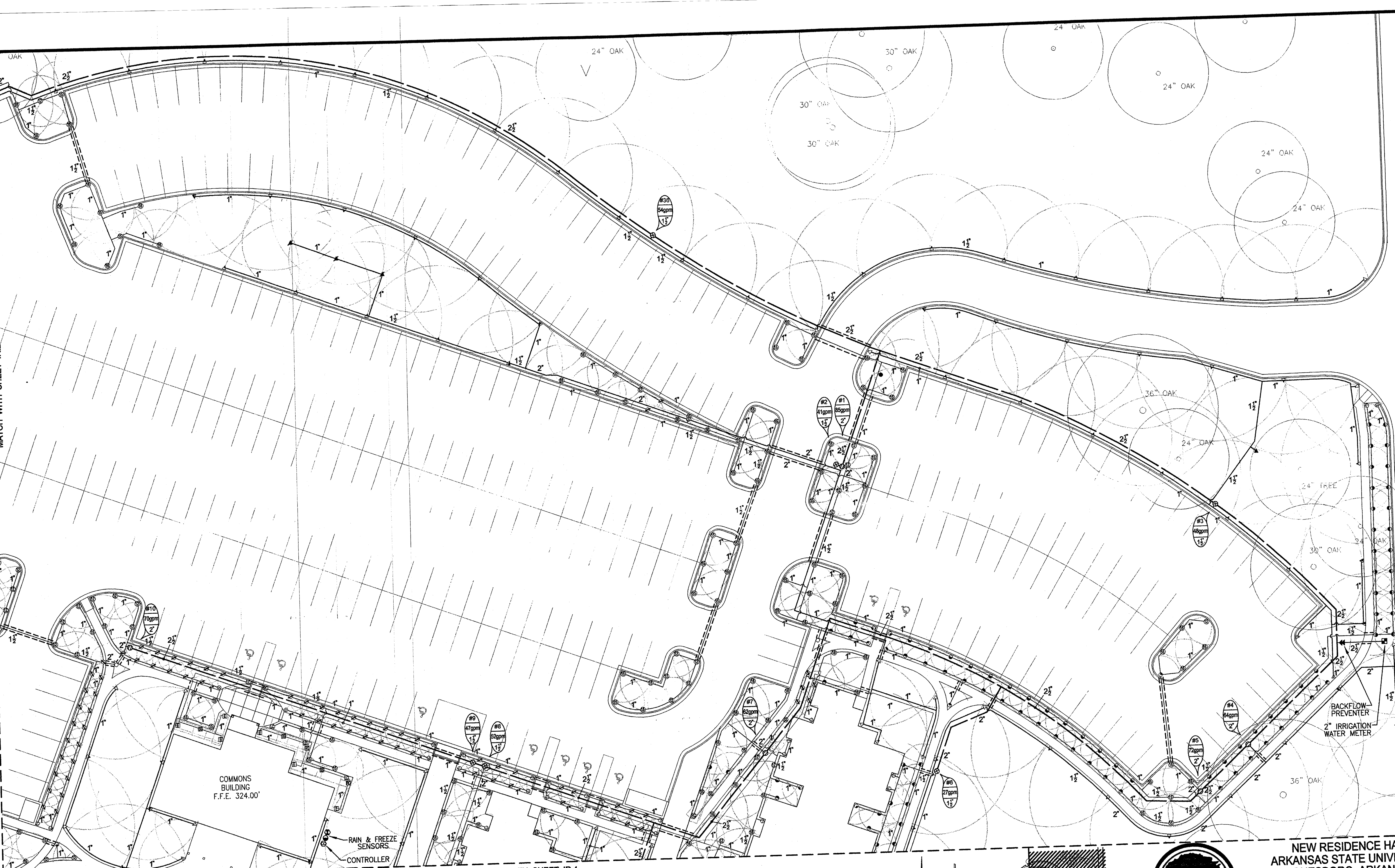
NEW RESIDENCE HALL
ARKANSAS STATE UNIVERSITY
JONESBORO, ARKANSAS

Pope Lawn Care & Landscaping

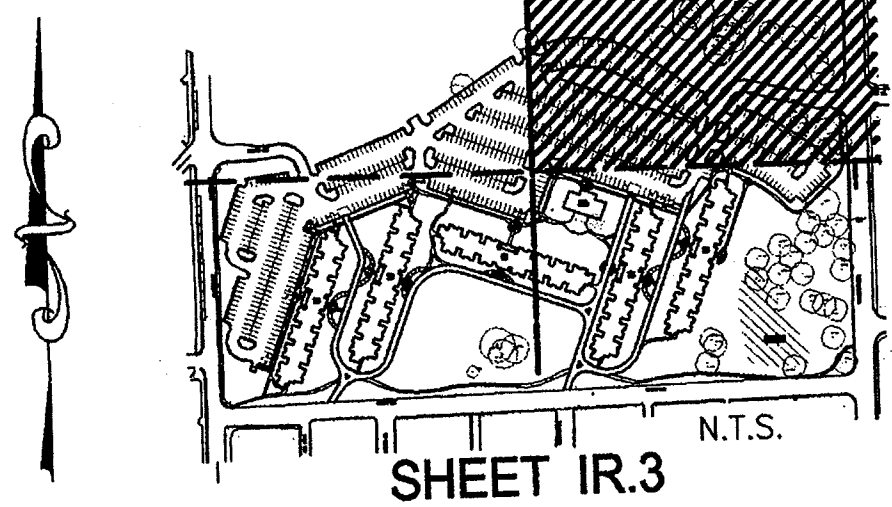
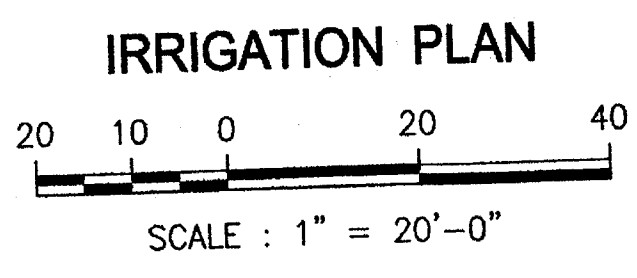
P. O. Box 129
2500 W. Washington
Jonesboro, AR 72401

Kelly D. Pope

870-935-3422
870-931-0280 Cell
870-932-0282 Fax



MATCH WITH SHEET IR.4



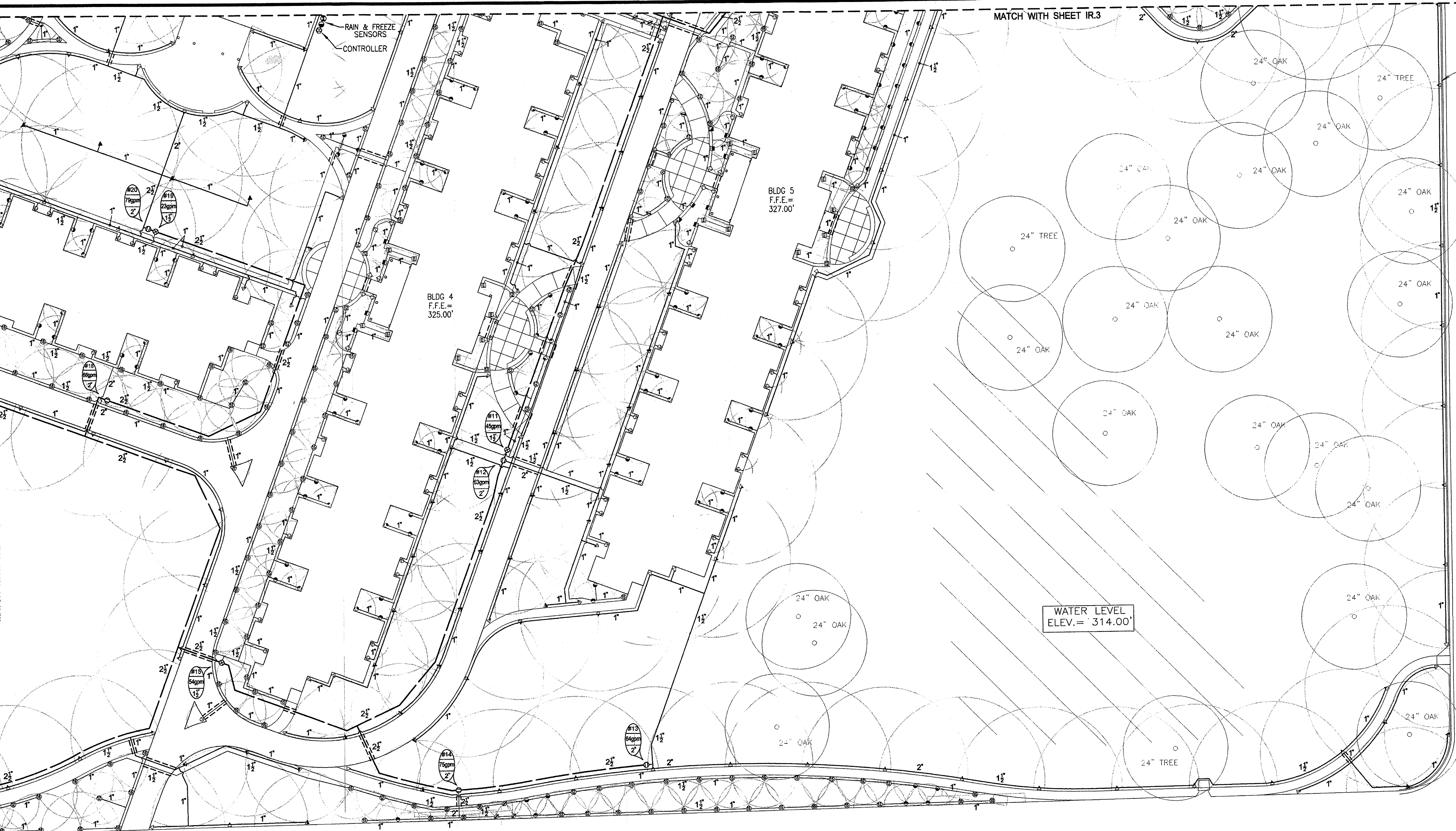
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Jonesboro, AR 72401

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870-932-0282



MATCH WITH SHEET IR.3

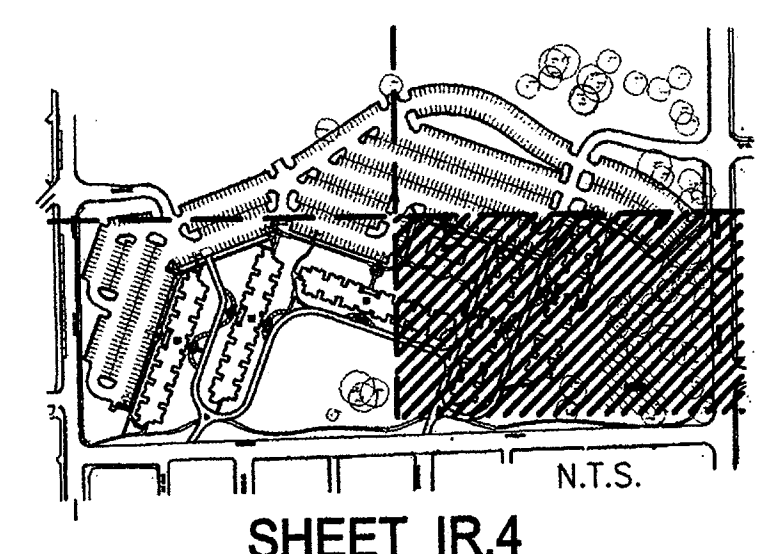
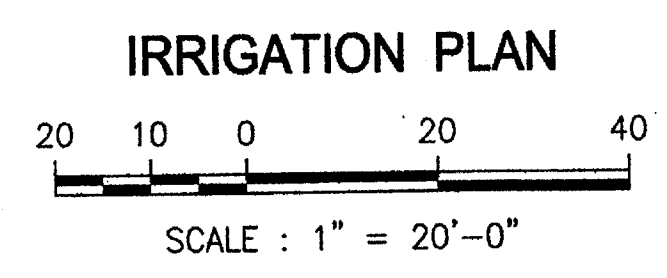
RAIN & FREEZE
SENSORS
CONTROLLER

BLDG 4
F.F.E. =
325.00'

BLDG 5
F.F.E. =
327.00'

WATER LEVEL
ELEV. = 314.00'

DANNER ST.



NEW RESIDENCE HALL
ARKANSAS STATE UNIVERSITY
JONESBORO, ARKANSAS

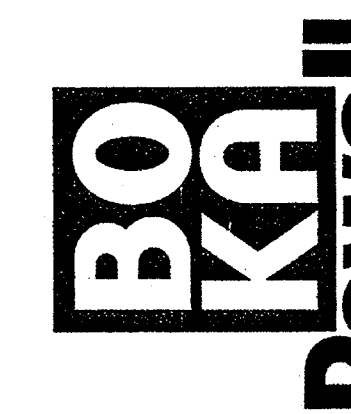
Pope Lawn Care & Landscaping

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2500 W. Washington
Jonesboro, AR 72401

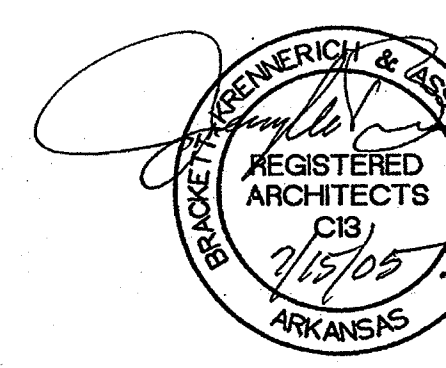
Kelly D. Pope

870-935-3422
870-931-0280 Cell
870-932-0282 Fax

SHEET IR.4

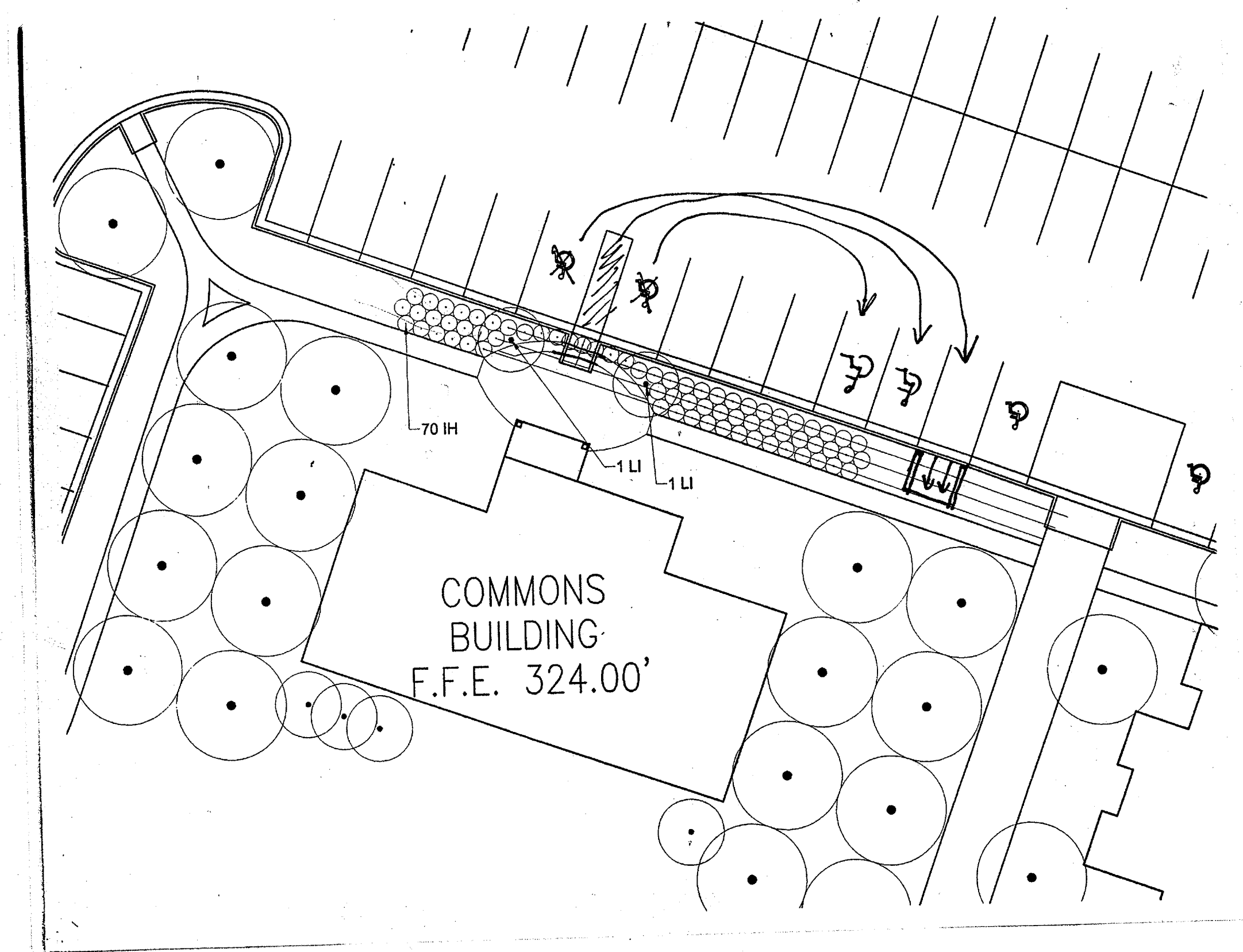


**BRACKETT
KRENNERICH**



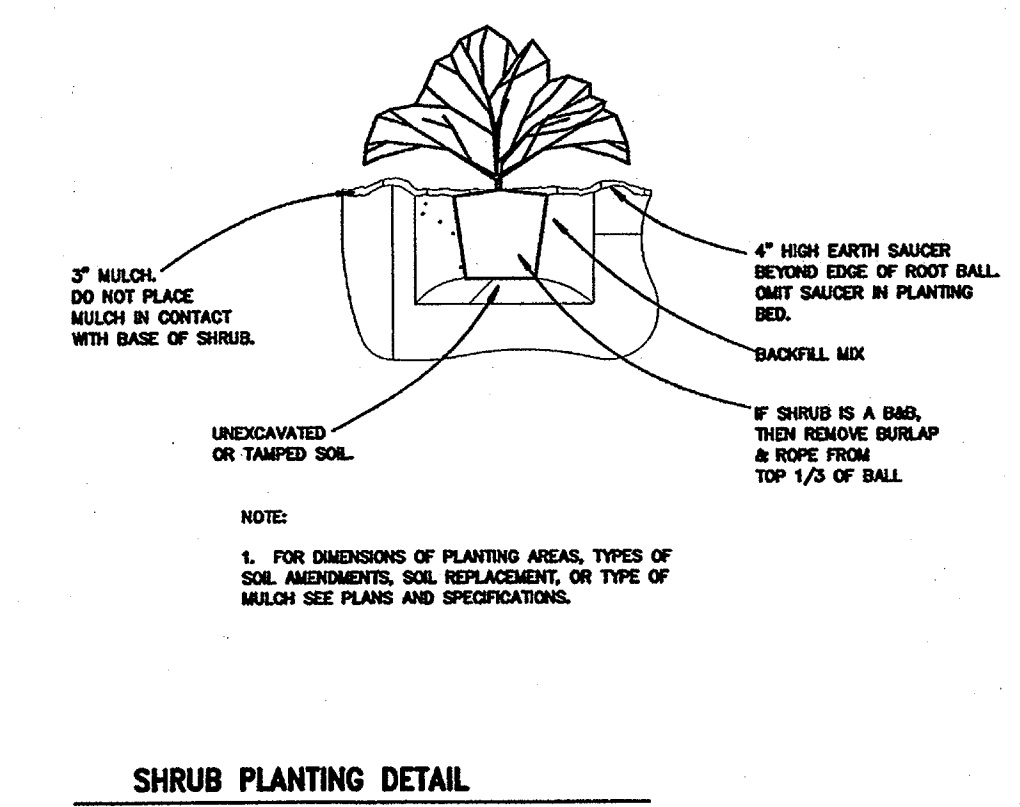
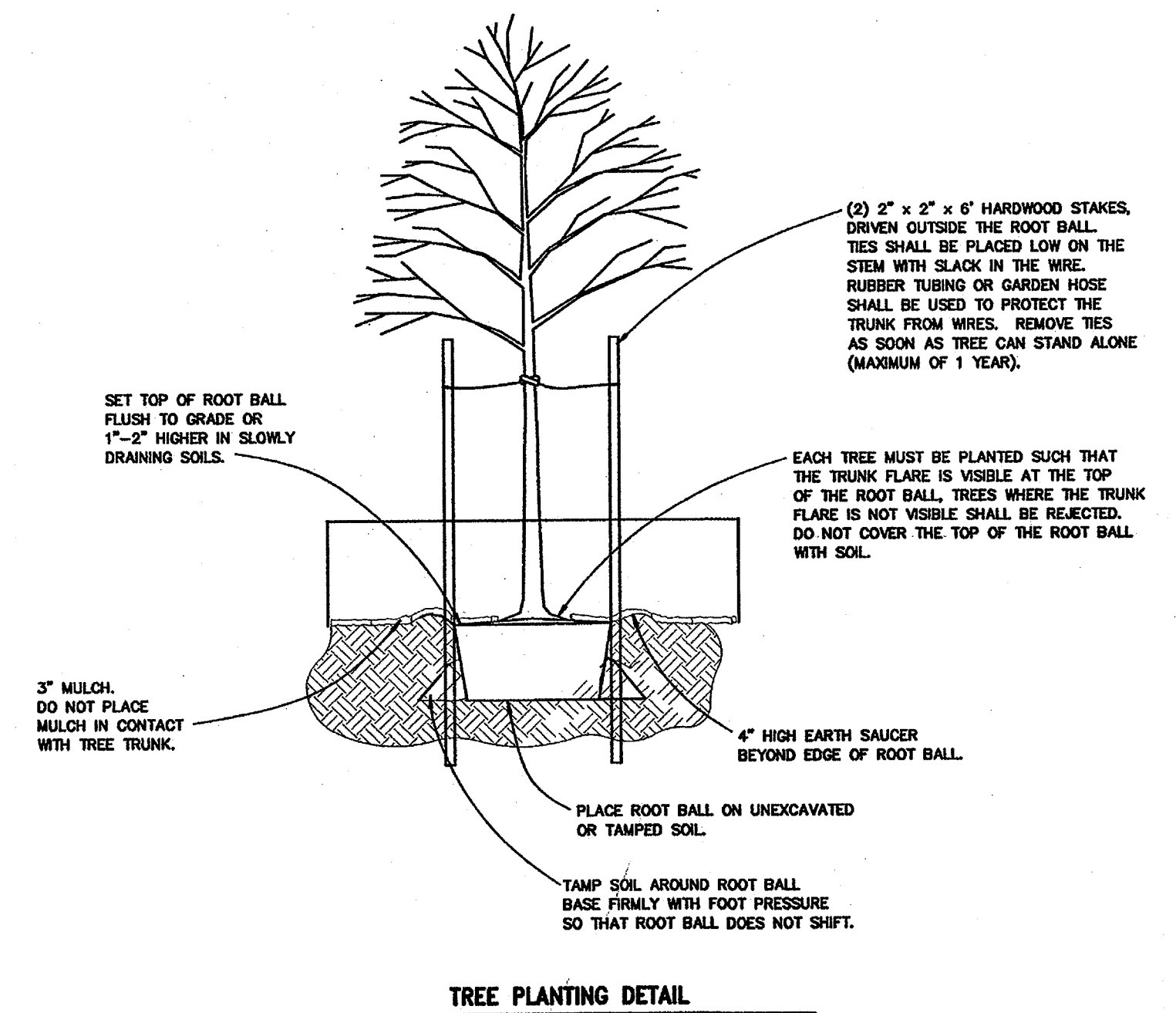
**LANDSCAPE
SCHEDULE A
DETAILS**

Commission Number
10404R
L10
Date: November 5,
Revised: July 15,



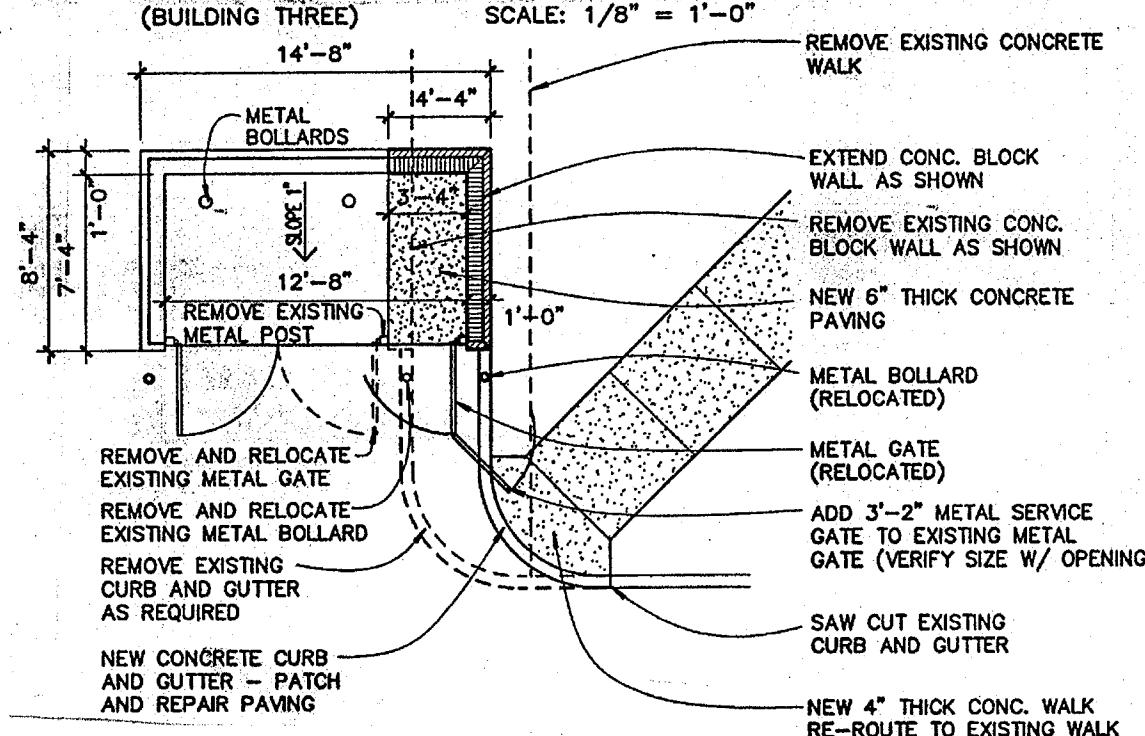
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
AR	52	<i>Acer rubrum</i> 'Red Sunset'	Red Sunset Maple	3" Cal.	Cont.	Strong central leader
FP	44	<i>Fraxinus pennsylvanica</i> 'Marshall's Seedless'	Marshall's Seedless Ash	3" Cal.	Cont.	Strong central leader
GT	36	<i>Gleditsia triacanthos</i> 'nervis'	Seedless Honeylocust	3" Cal.	Cont.	Strong central leader
PC	21	<i>Pistacia chinensis</i>	Chinese Pistache	3" Cal.	Cont.	Strong central leader
QA	18	<i>Quercus alba</i>	White Oak	3" Cal.	Cont.	Strong central leader
QP	14	<i>Quercus phellos</i>	Willow Oak	3" Cal.	Cont.	Strong central leader
QR	20	<i>Quercus robur</i>	Red Oak	3" Cal.	Cont.	Strong central leader
TD	14	<i>Taxodium distichum</i>	Bald Cypress	3" Cal.	Cont.	Strong central leader
AB	16	<i>Acer buergerianum</i>	Trident Maple	2" Cal.	Cont.	Strong central leader
LI	35	<i>Lagartstroemia indica</i> 'Muskogee'	Muskogee Crepe Myrtle	10' HT.	Cont.	Multi-stem, minimum 3 cones
MV	29	<i>Magnolia virginiana</i>	Sweetbay Magnolia	10' HT.	Cont.	Multi-stem, minimum 3 cones
IH	140	<i>Ilex crenata</i> 'Heller'	Heller Holly	5 Gal.	Cont.	Full, well-branched
SB	280	<i>Spiraea x bumalda</i> 'Anthony Waterer'	Anthony Waterer Spiraea	5 Gal.	Cont.	Full, well-branched
LM	596	<i>Liriodendron muscari</i> 'Big Blue'	Big Blue Liriodendron	4" Pot	Cont.	

- LANDSCAPE NOTES:**
1. Locate all utilities before landscape construction begins. Should damage occur to existing utilities, it shall be the responsibility of the contractor to make all necessary repairs and/or replacements.
 2. Shredded hardwood bark mulch shall be used as a 3" top dressing in all planting beds and around all trees. Single trees or shrubs shall be mulched to the outside edge of the saucer or landscape island.
 3. All disturbed areas shall be seeded or sodded as indicated on the plans. Sod to be tiffway 419 hybrid bermudagrass, seed to be common bermudagrass.
 4. Verification of all material totals is the responsibility of the landscape contractor.
 5. Insure positive drainage away from building and air conditioning condenser pads.

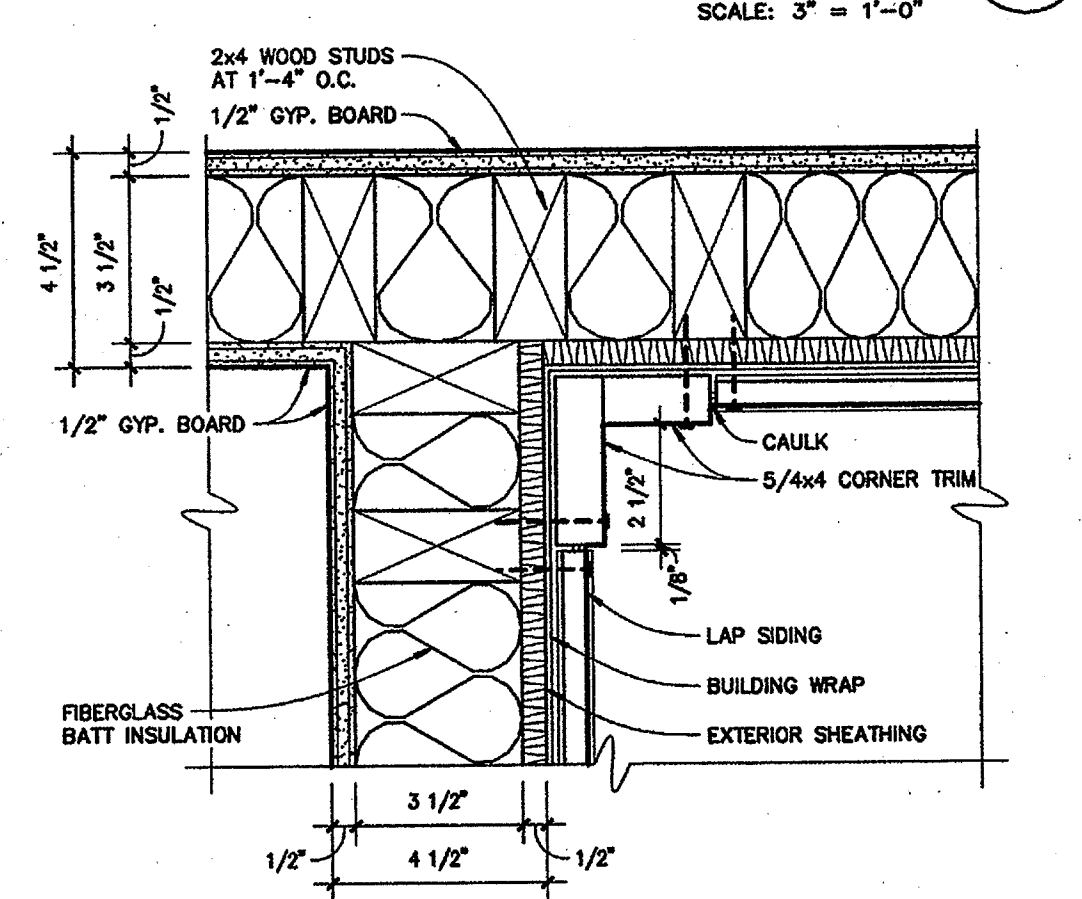


**LANDSCAPE PLAN
BILL HALL
ARKANSAS STATE UNIVERSITY**

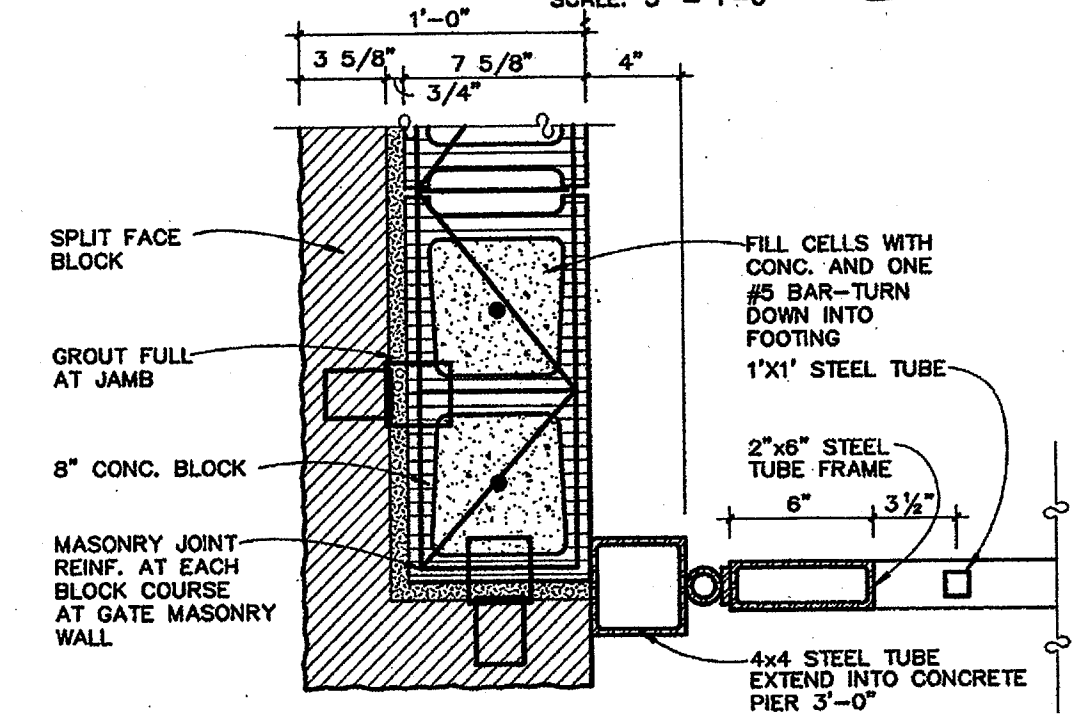
plan at dumpster screen
(BUILDING THREE)
SCALE: 1/8" = 1'-0"



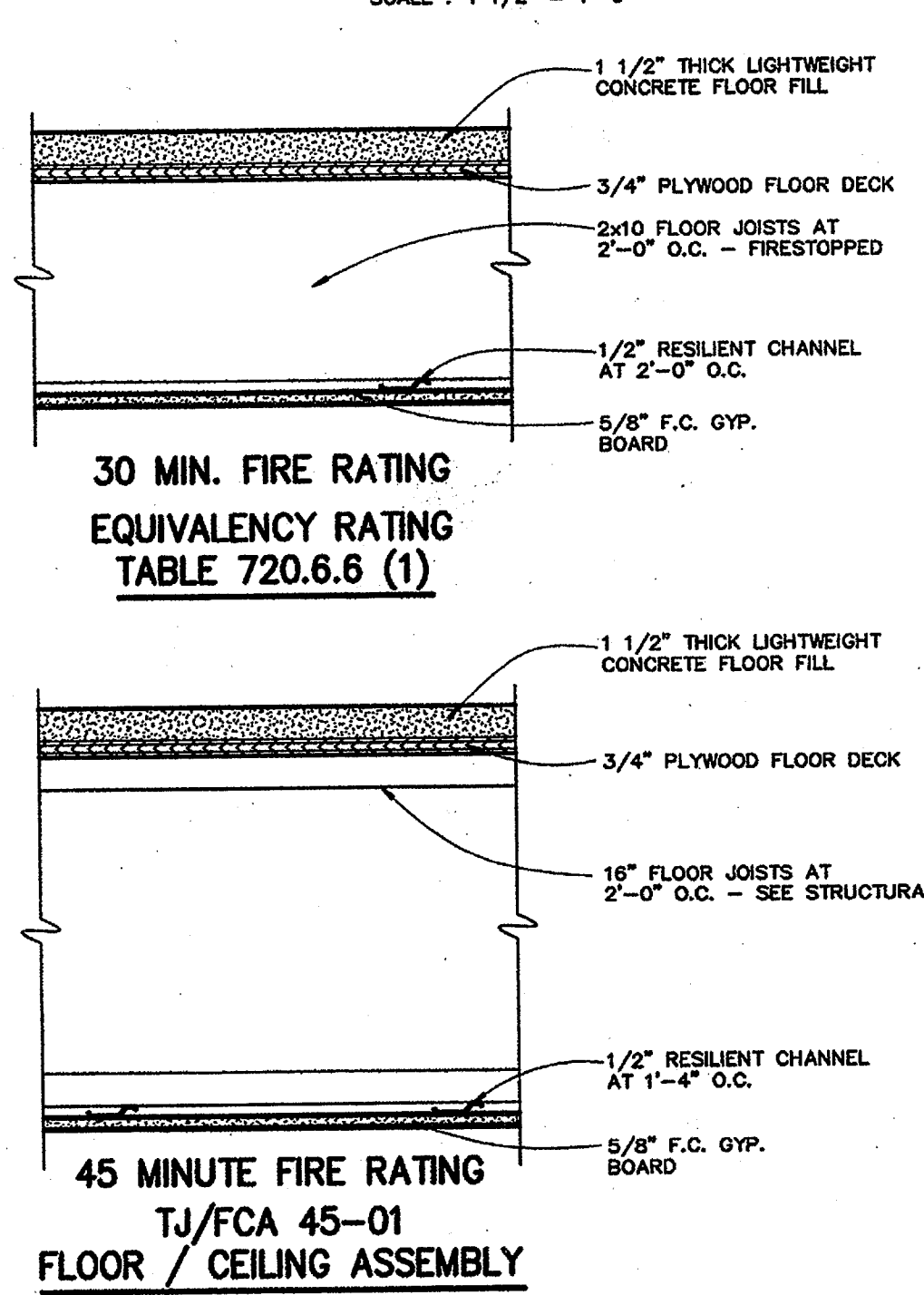
outside corner siding detail 12
SCALE: 3" = 1'-0"



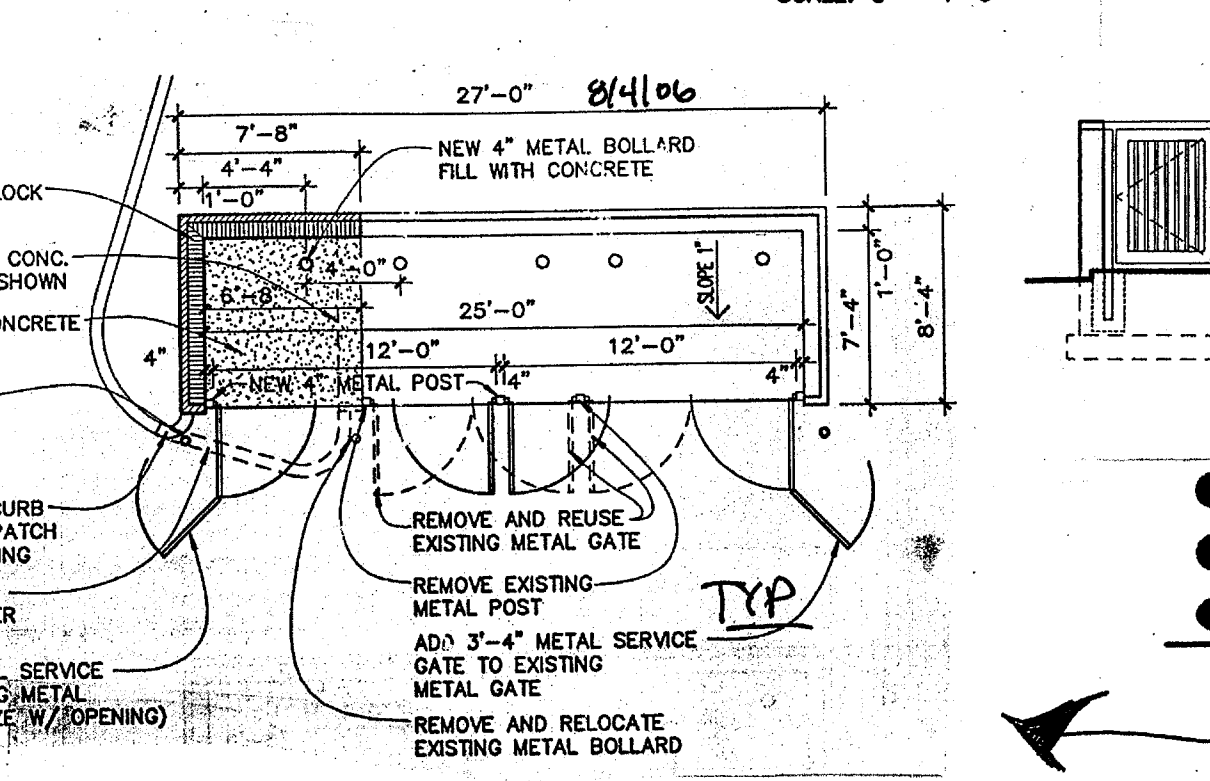
inside corner siding detail 13
SCALE: 3" = 1'-0"



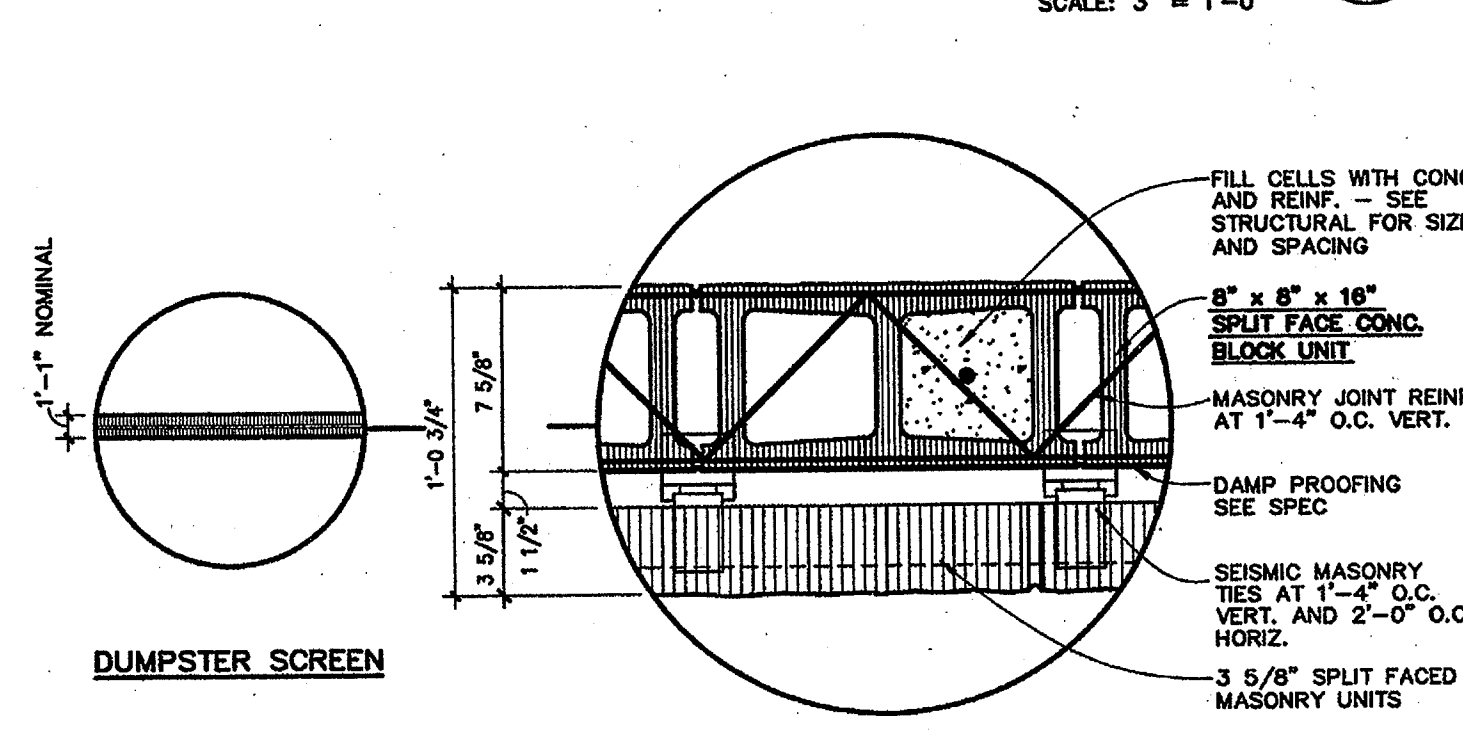
jamb at gate 14
SCALE: 1 1/2" = 1'-0"



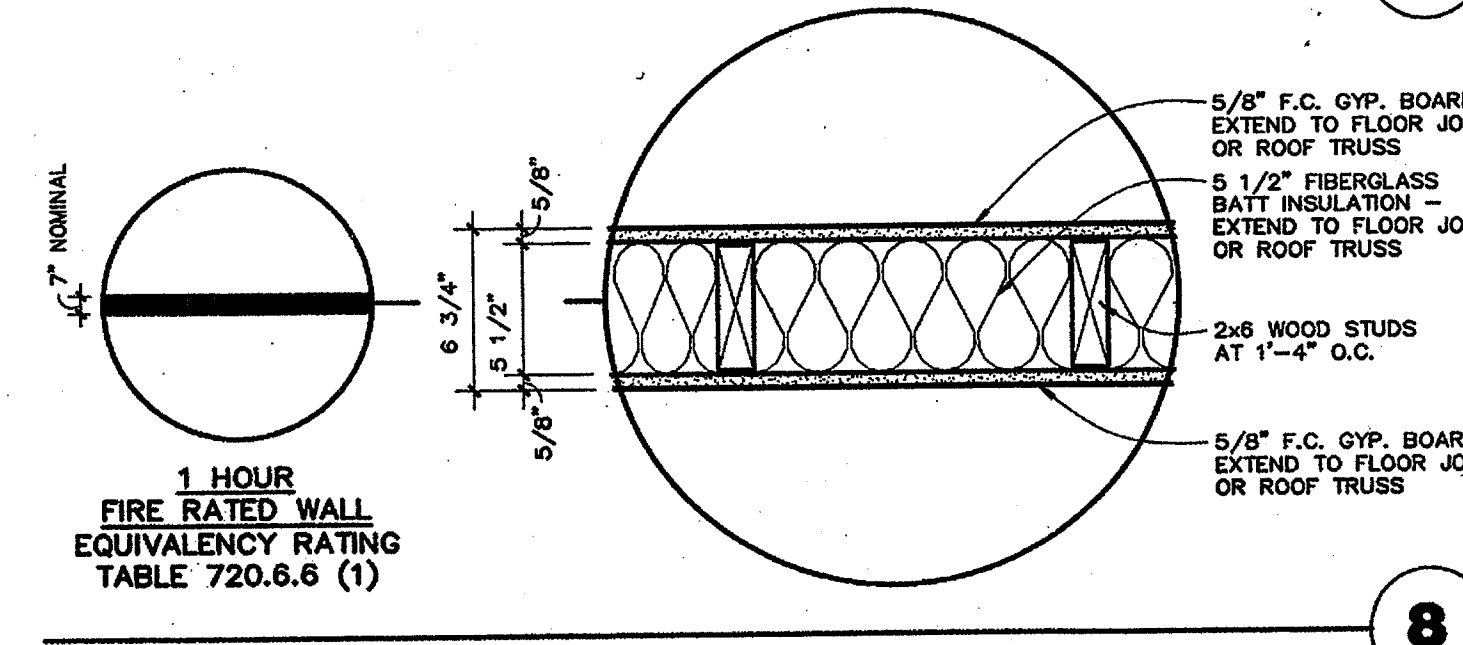
column detail 11
SCALE: 3" = 1'-0"



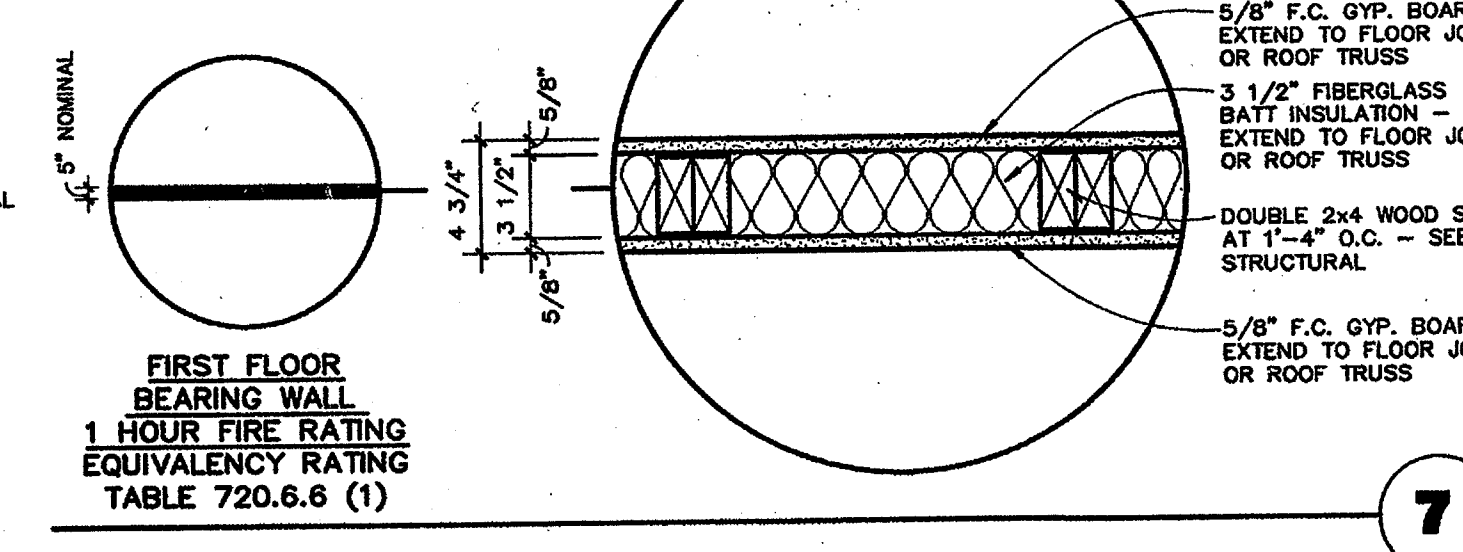
detail omitted 10
SCALE: 3" = 1'-0"



1 HOUR FIRE RATED WALL UL DESIGN NO. U305 6



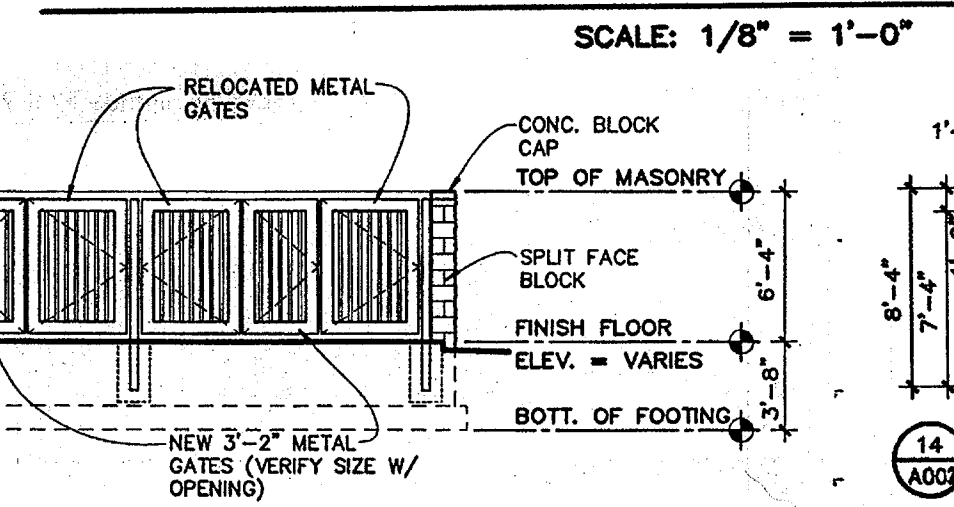
1 HOUR FIRE RATED WALL EQUIVALENCY RATING TABLE 720.6.6 (1) 8



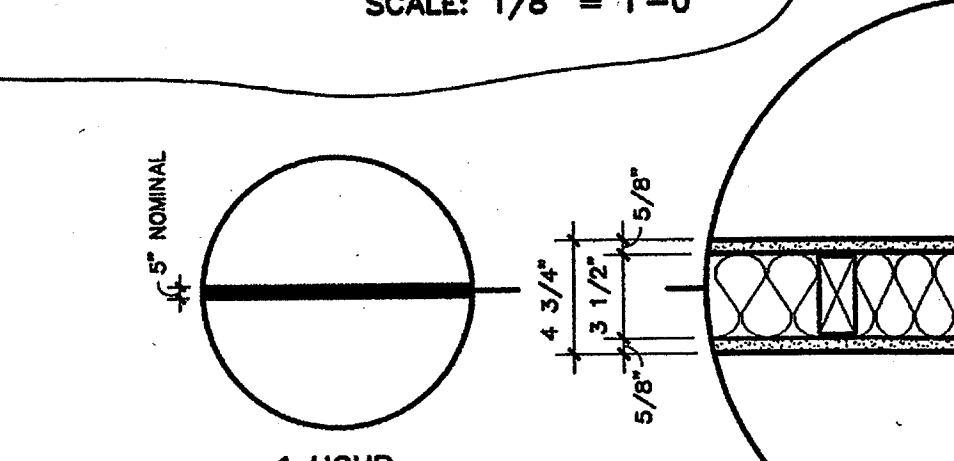
plan symbol 7
SCALE: 1/8" = 1'-0"



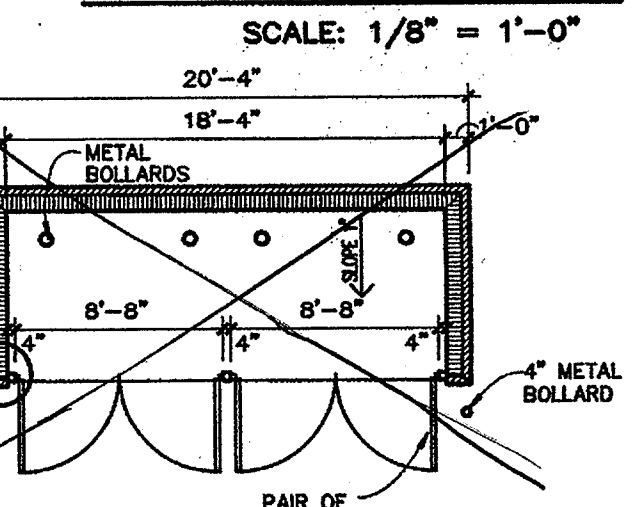
double dumpster screen elevations 11
SCALE: 1/8" = 1'-0"



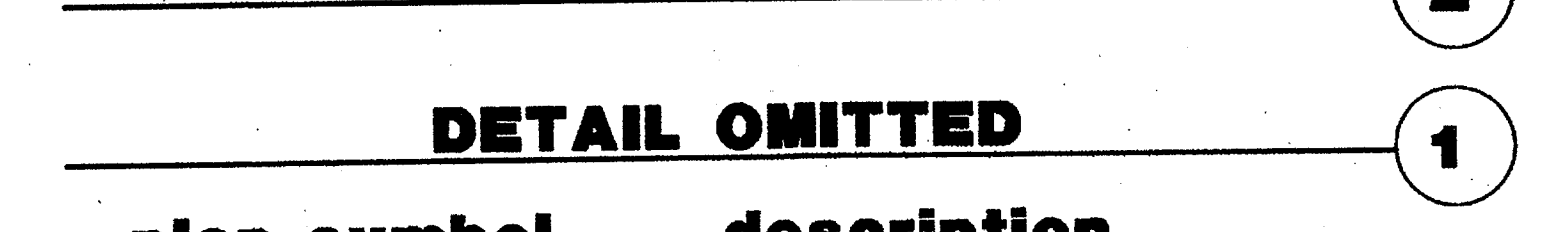
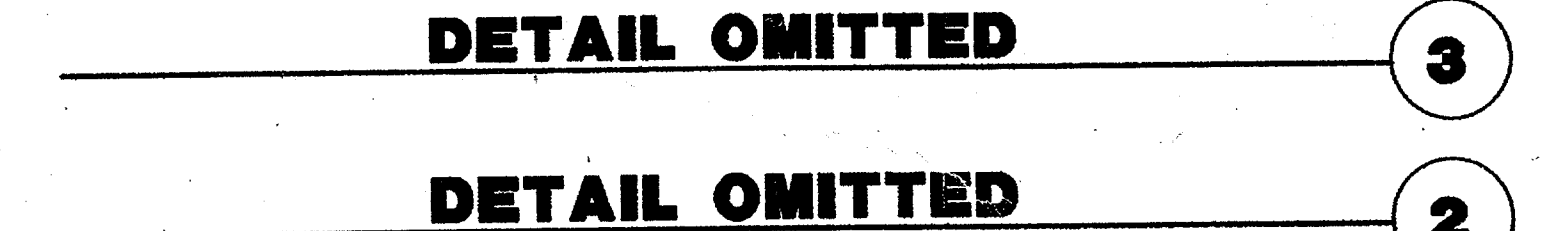
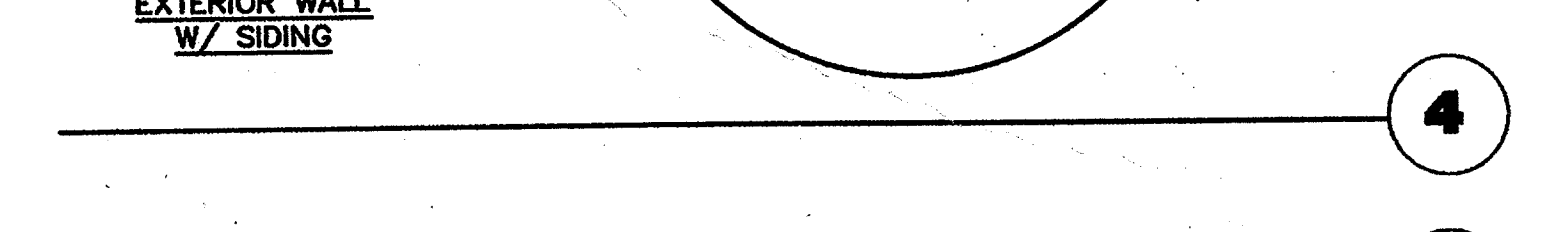
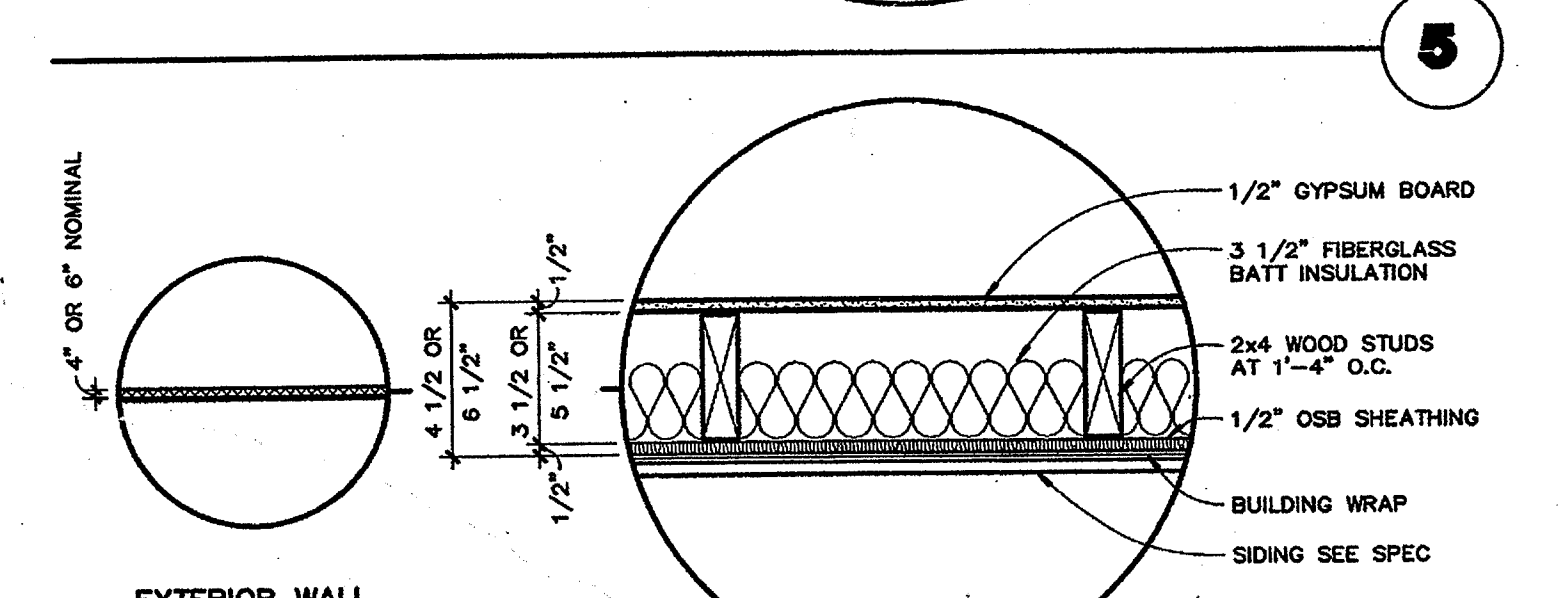
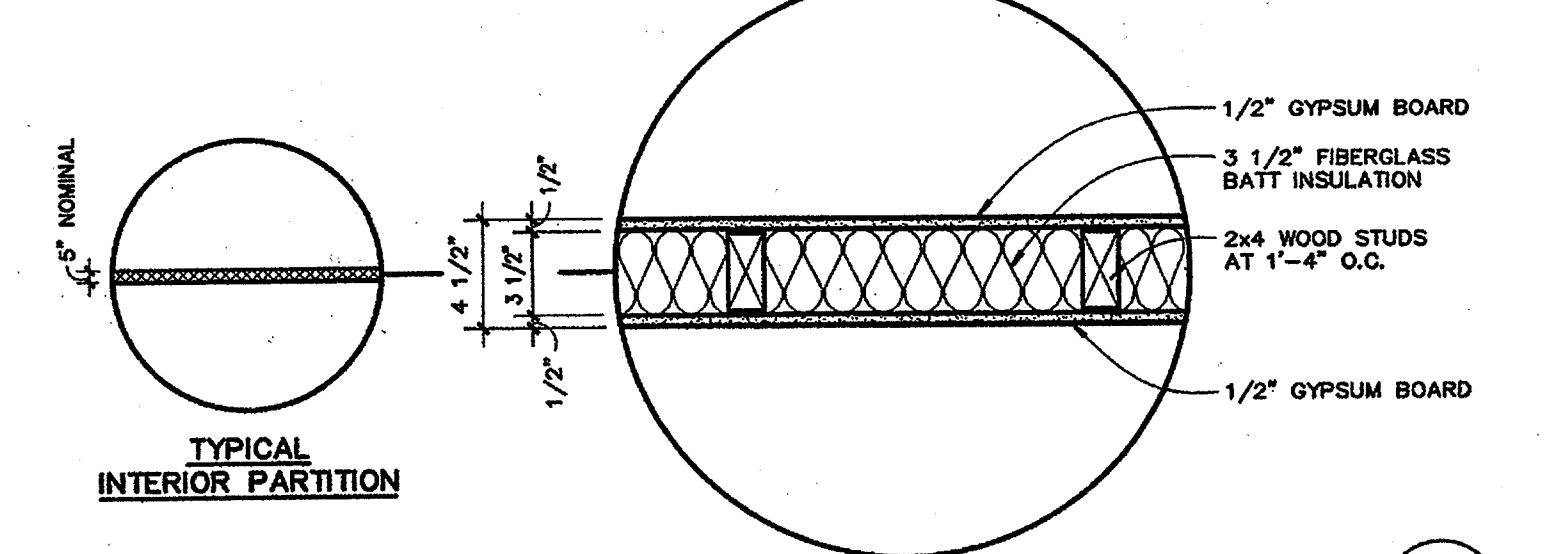
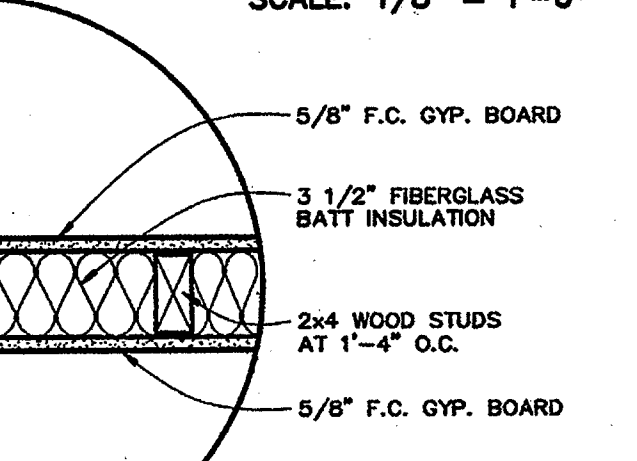
double dumpster screen elevations 12
SCALE: 1/8" = 1'-0"



plan at dumpster screen 13
SCALE: 1/8" = 1'-0"



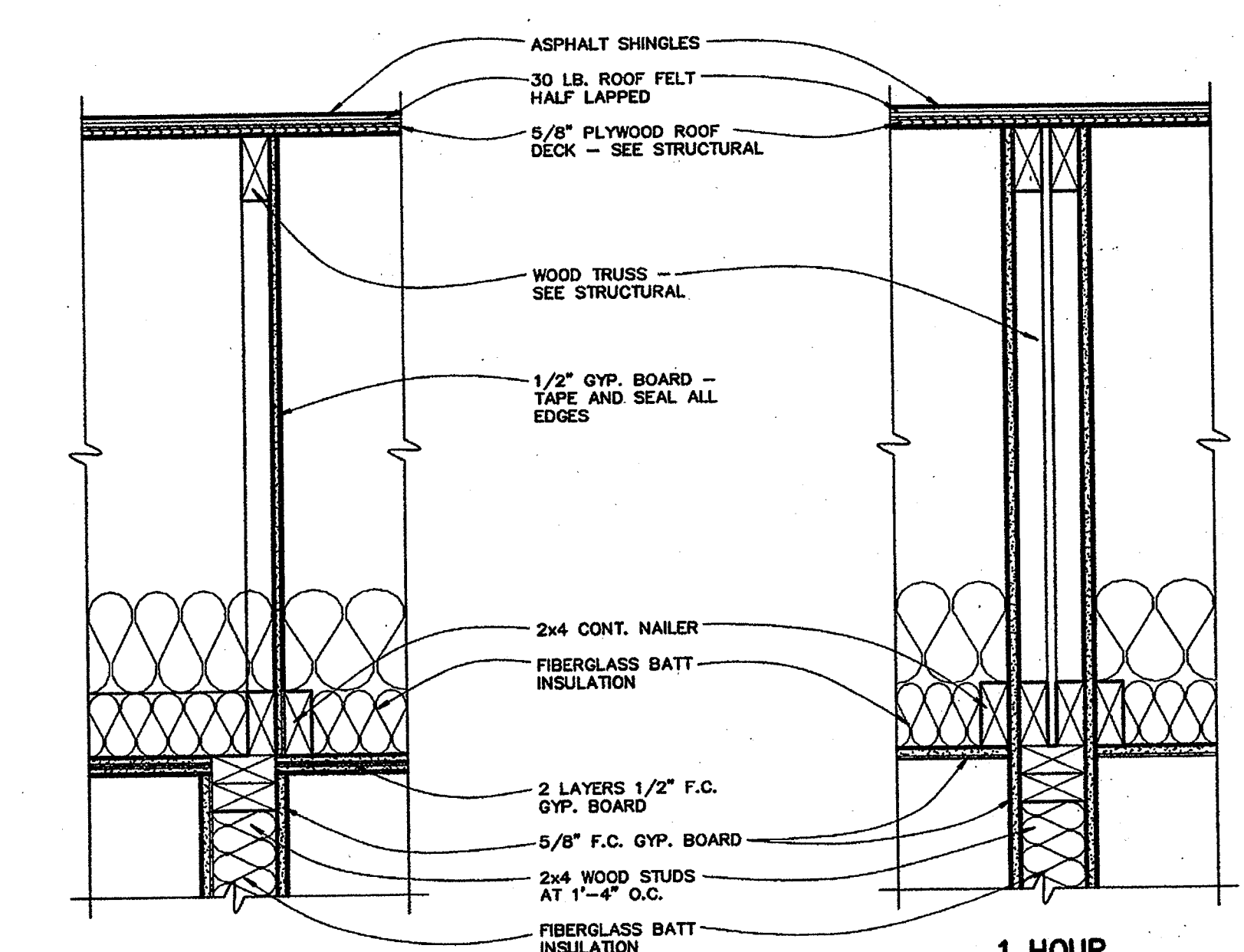
plan at double dumpster screen 14
SCALE: 1/8" = 1'-0"



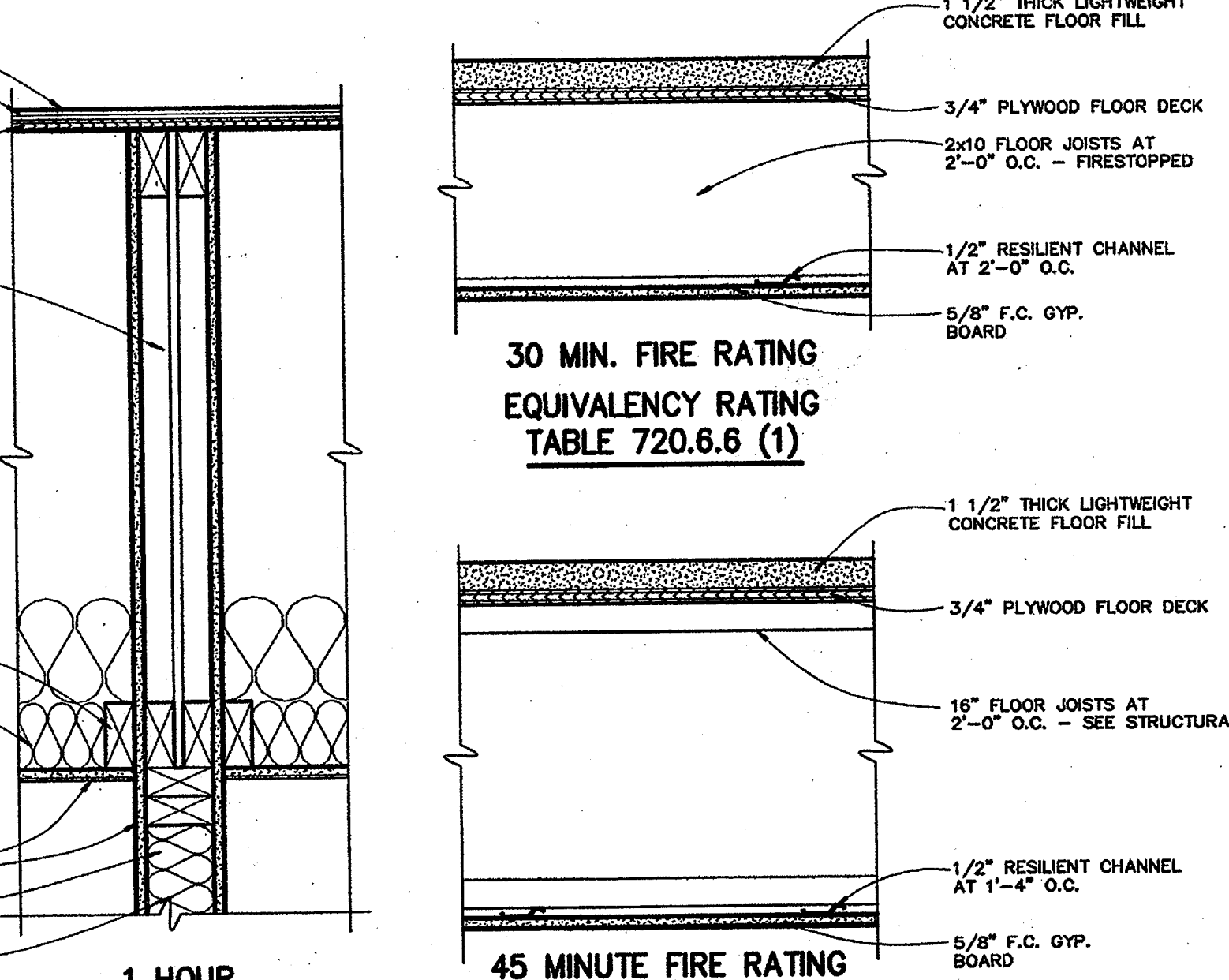
plan symbol 1
SCALE: 1/8" = 1'-0"



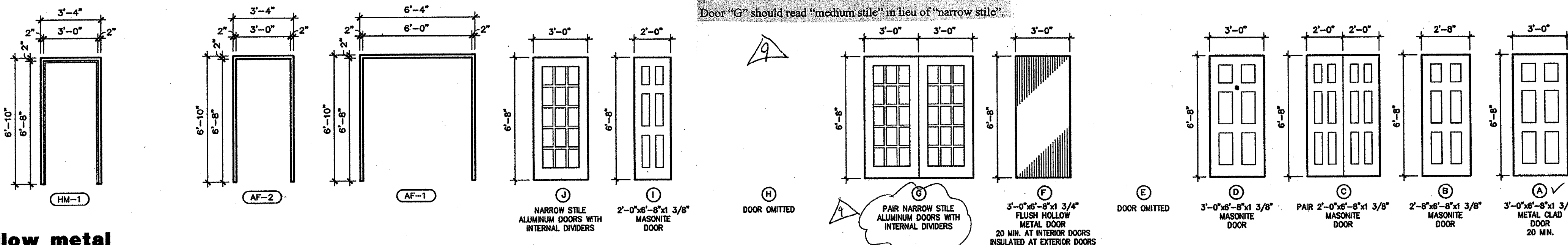
typical draftstop
SCALE: 1 1/2" = 1'-0"



fire rated assemblies
SCALE: 1 1/2" = 1'-0"



Door "G" should read "medium stile" in lieu of "narrow stile".

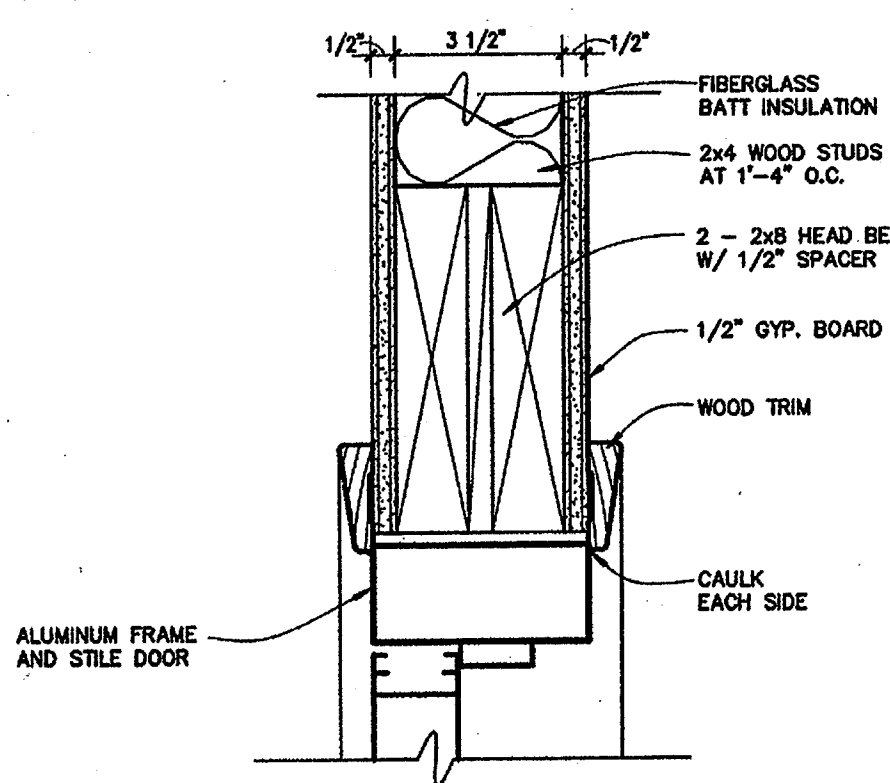


DOOR SCHEDULE									
DOOR		DETAILS							
TYPE	NUMBER	THRESH	FRAME	HEAD	JAMB	SILL	LBL	HDW SET	REMARKS
A	SINGLE		PRE-HUNG	9 & 11 A003	10 & 12/A003			20 MIN.	SEE SPEC
B	SINGLE		PRE-HUNG	9/A003	10/A003				SEE SPEC
C	PAIR		PRE-HUNG	9/A003	10/A003				SEE SPEC
D	SINGLE		PRE-HUNG	9/A003	10/A003				SEE SPEC
E	PAIR		PRE-HUNG	9/A003	10/A003				SEE SPEC
F	SINGLE	ALUMINUM	HM-1	4&7/A003	5&8/A003	6/A003	20 MIN.		INSULATED AT EXTERIOR DOORS
G	PAIR	ALUMINUM	AF-1	13/A003	14/A003	6/A003			HEAD DETAIL 15/A003 & JAMB DETAIL 16/A003 AT INTERIOR FRAMES
H	PAIR		PRE-HUNG	9/A003	10/A003				SEE SPEC
I	SINGLE		PRE-HUNG	9/A003	10/A003				SEE SPEC
J	SINGLE	ALUMINUM	AF-2	13/A003	14/A003	6/A003			SEE SPEC

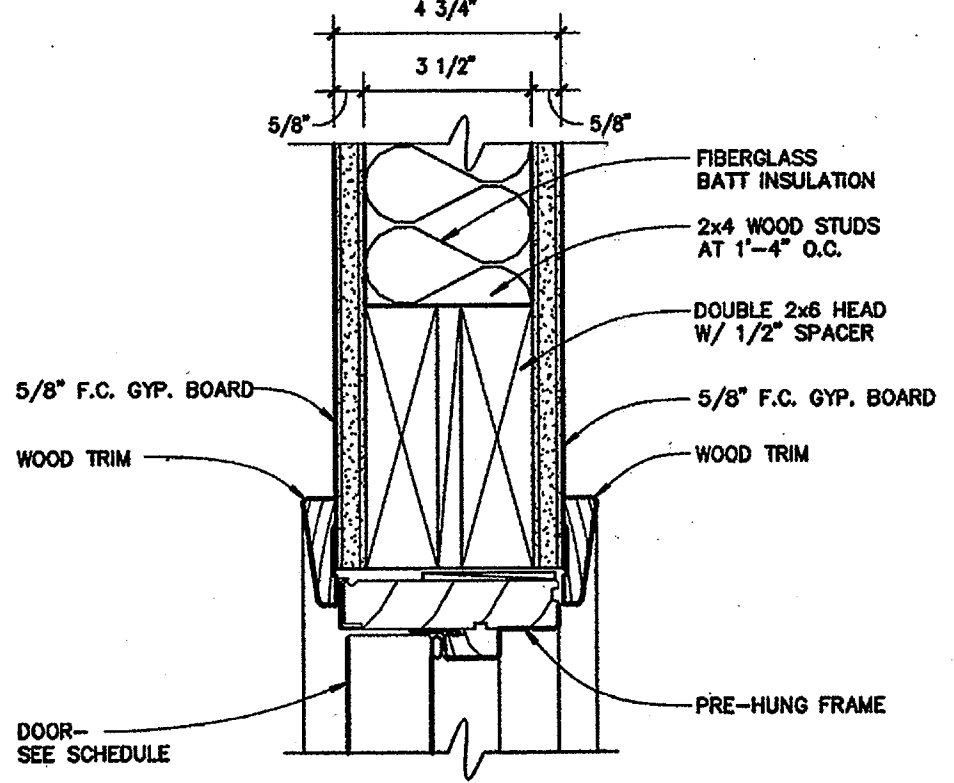
hollow metal frame schedule
SCALE: 1/4" = 1'-0"

aluminum frame schedule
SCALE: 1/4" = 1'-0"

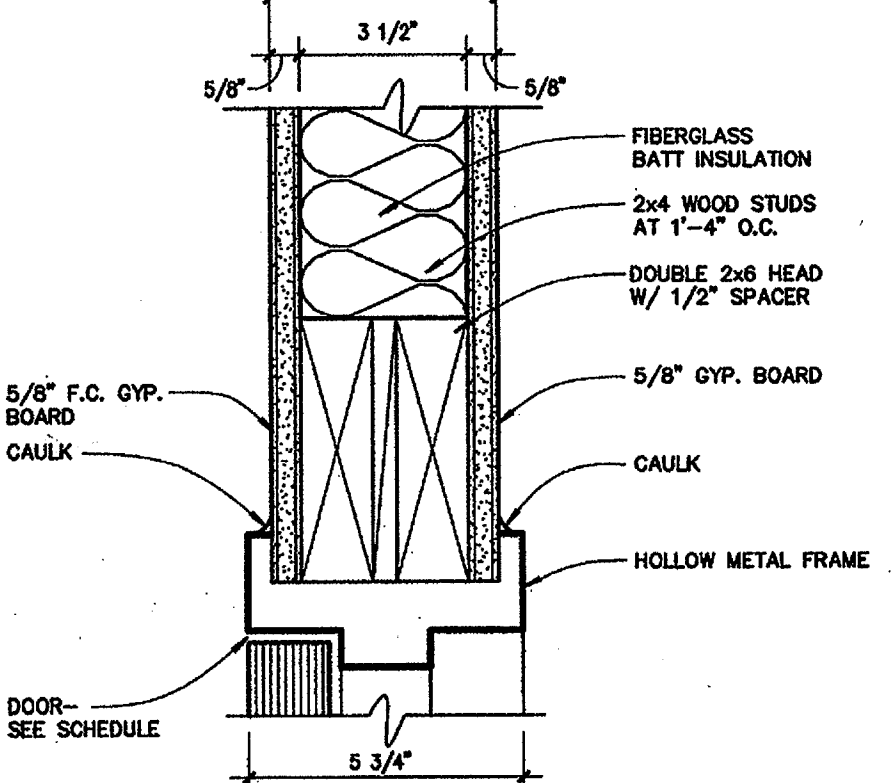
visual door types
SCALE: 1/4" = 1'-0"



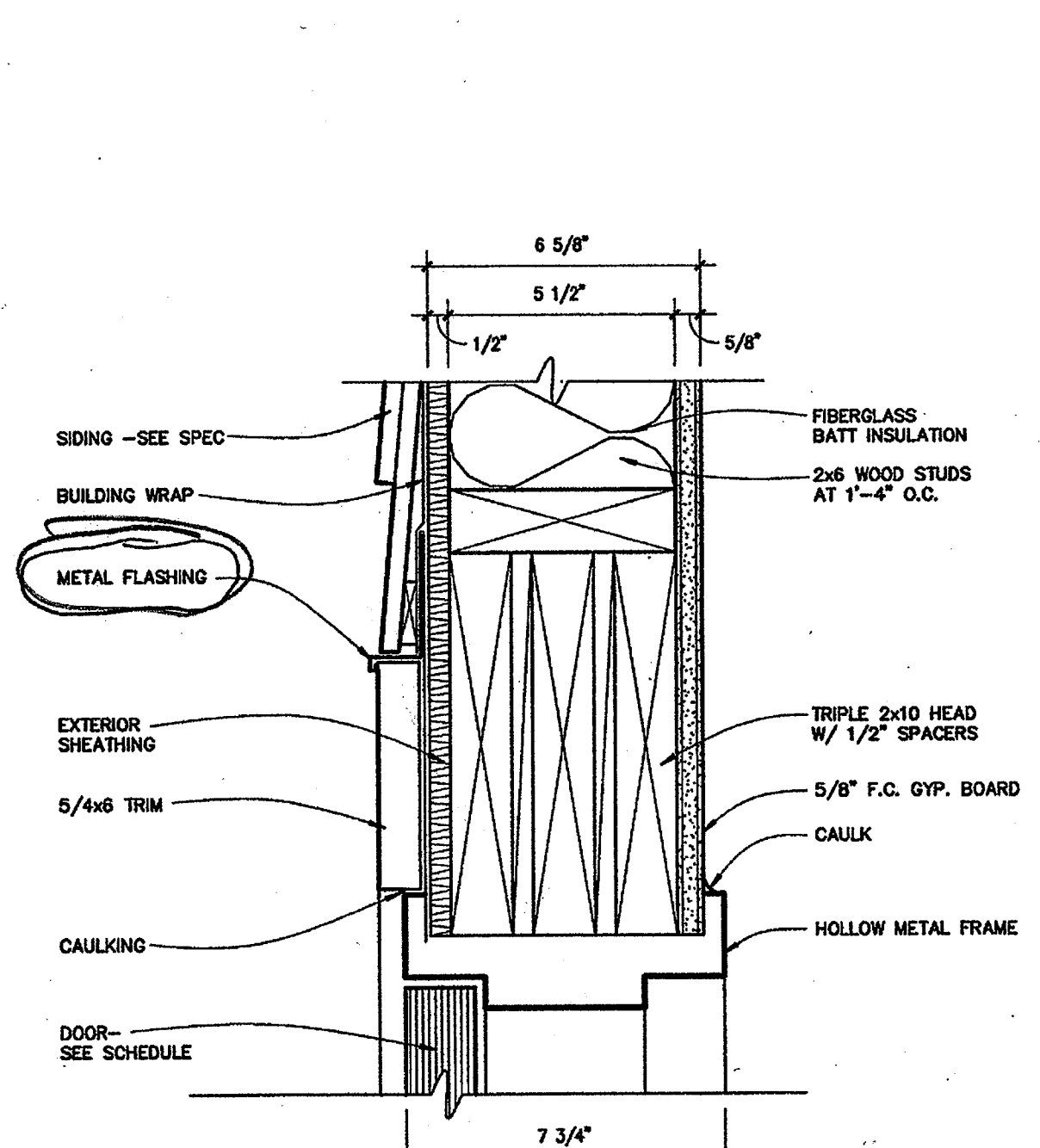
head detail 15
SCALE: 3" = 1'-0"



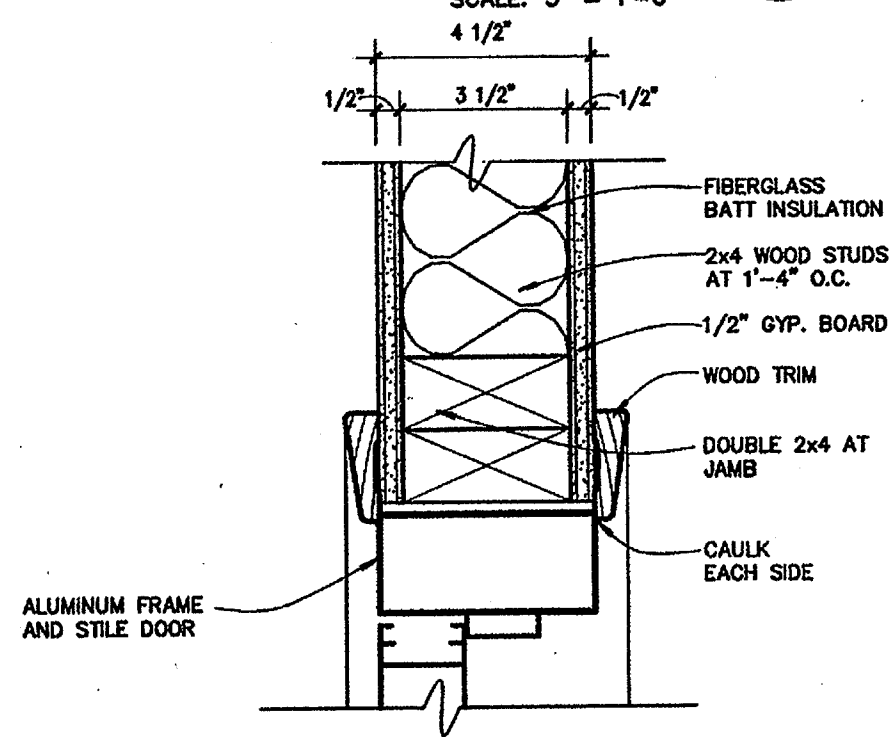
head detail 11
SCALE: 3" = 1'-0"



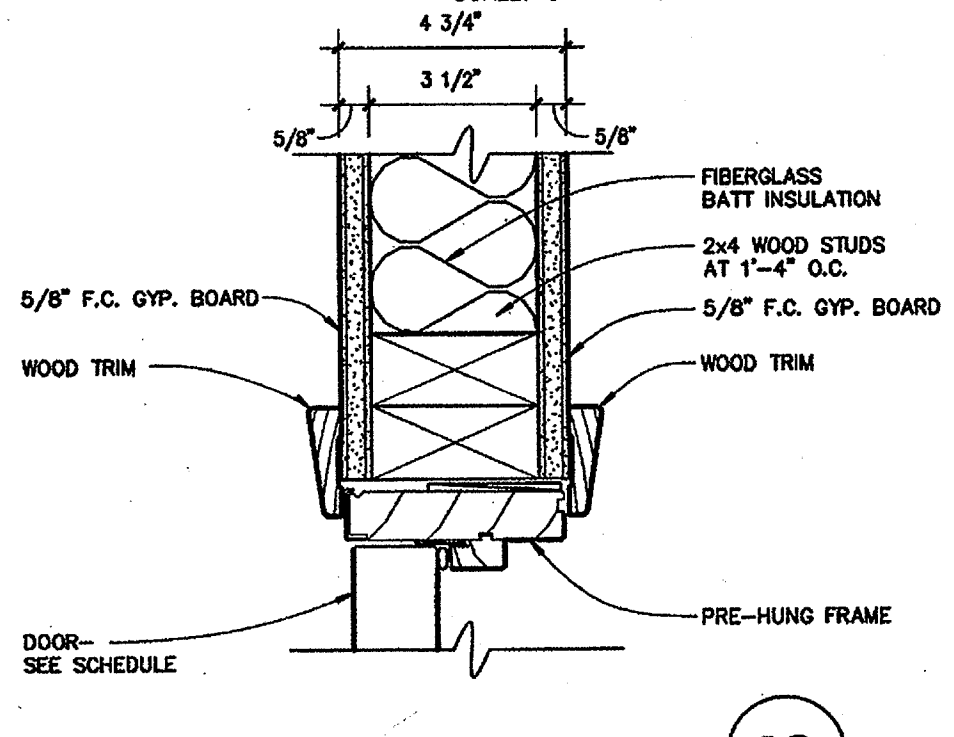
head detail 7
SCALE: 3" = 1'-0"



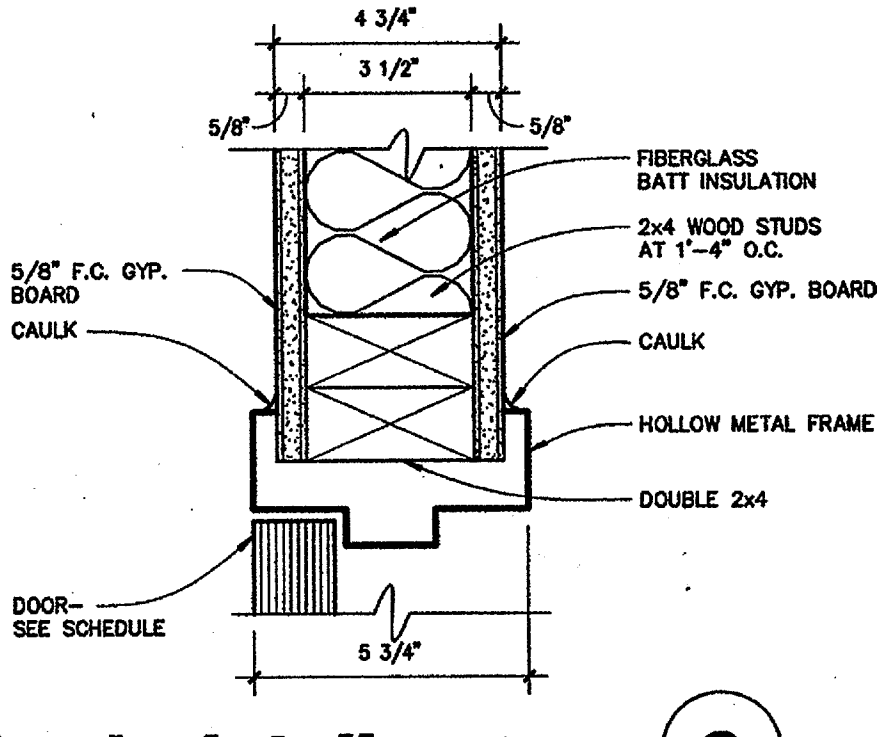
head detail 4
SCALE: 3" = 1'-0"



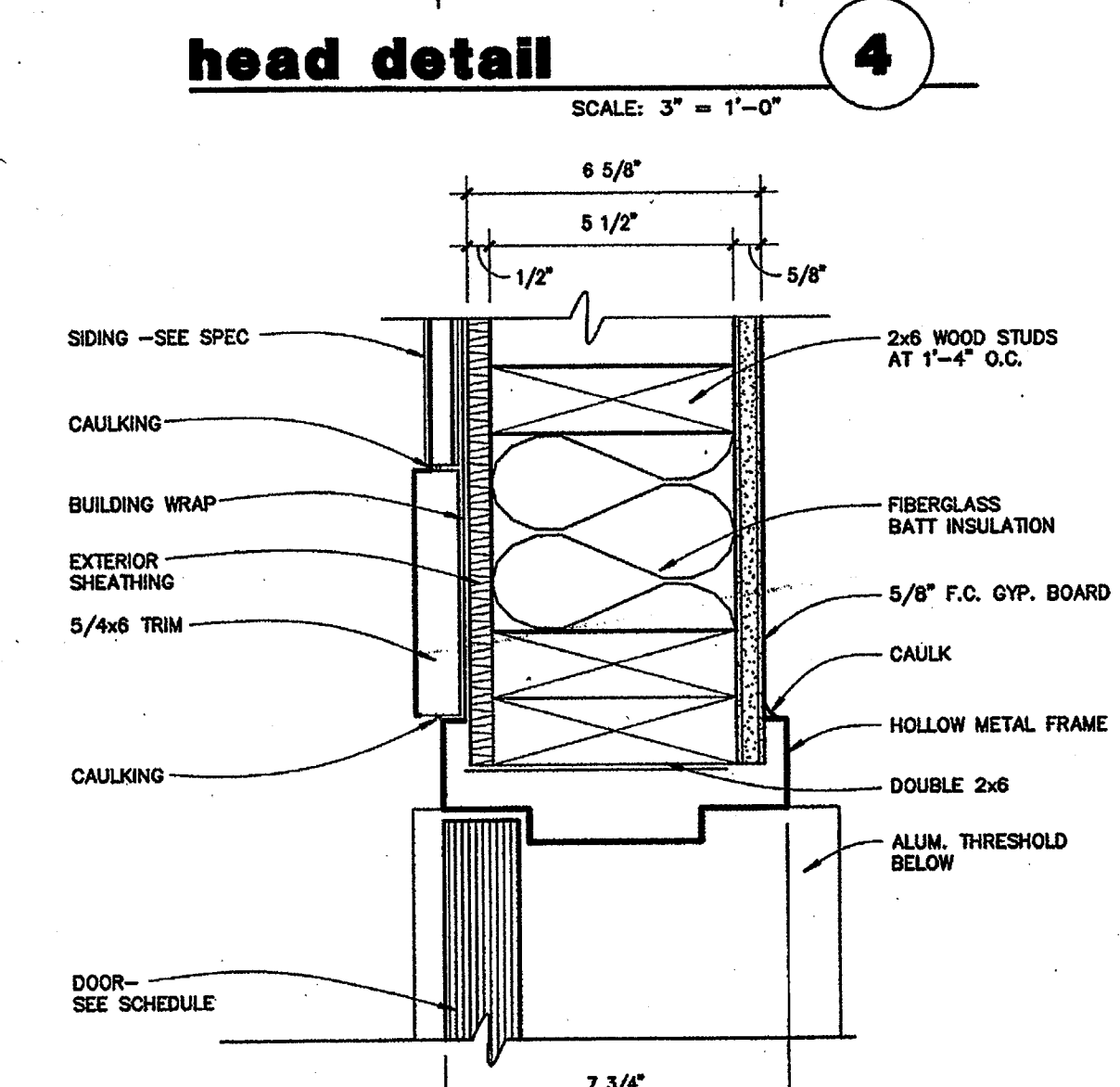
jamb detail 16
SCALE: 3" = 1'-0"



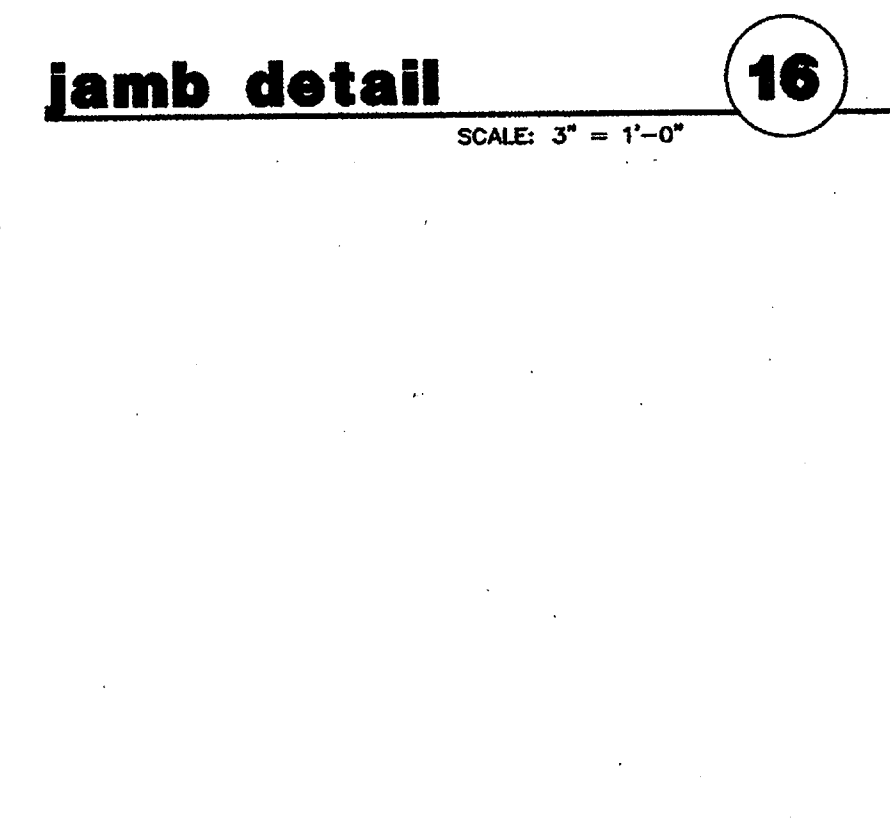
jamb detail 12
SCALE: 3" = 1'-0"



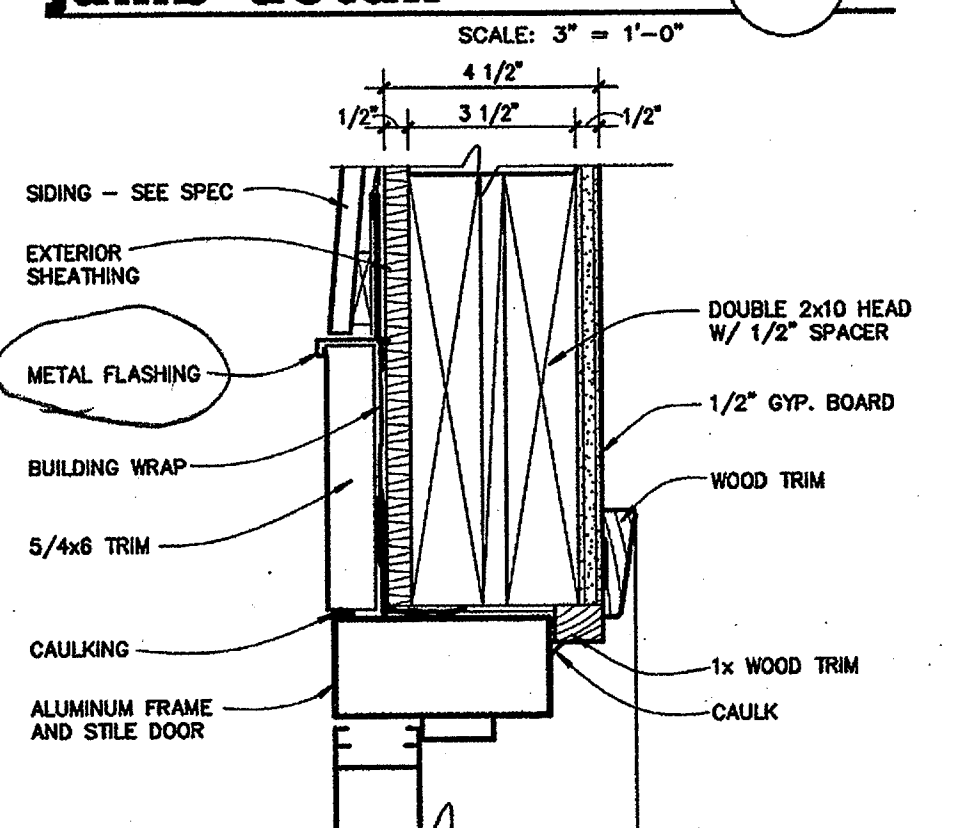
jamb detail 8
SCALE: 3" = 1'-0"



jamb detail 5
SCALE: 3" = 1'-0"

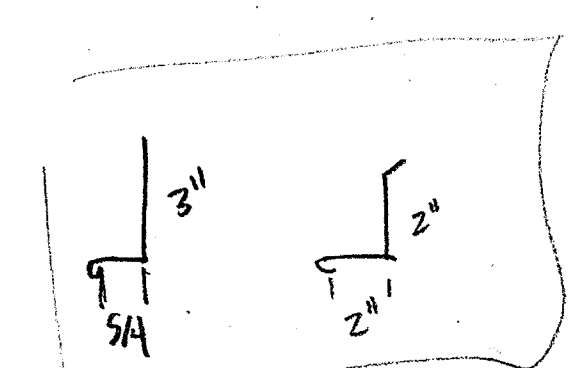


head detail 13
SCALE: 3" = 1'-0"

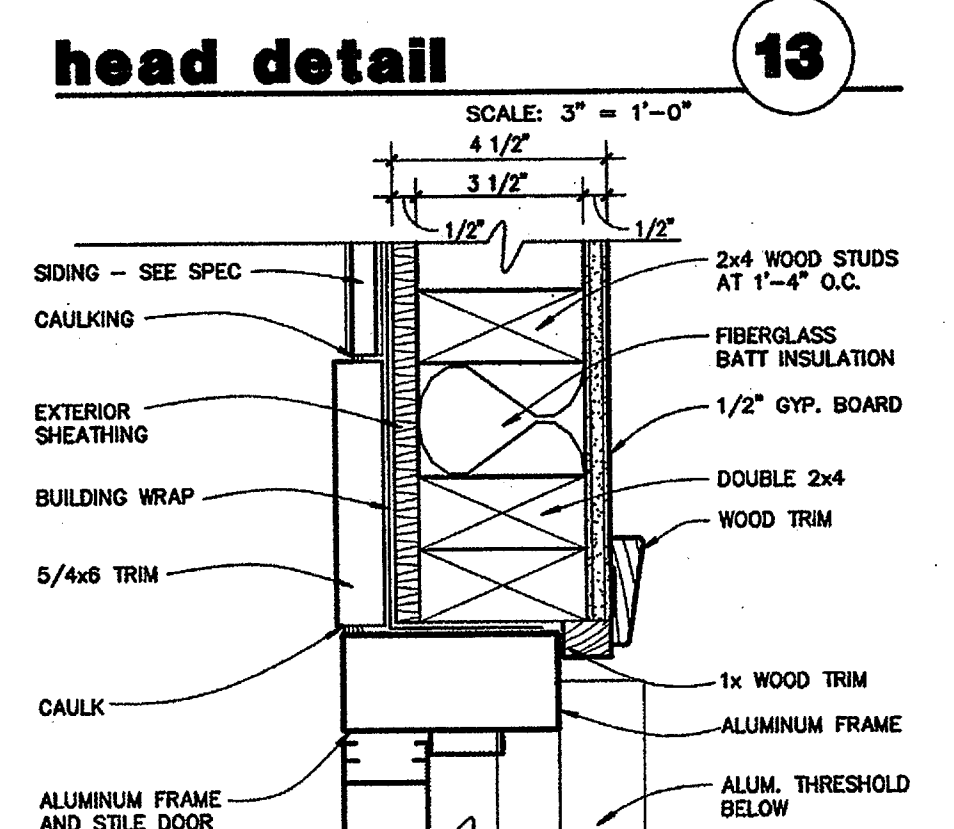


head detail 9
SCALE: 3" = 1'-0"

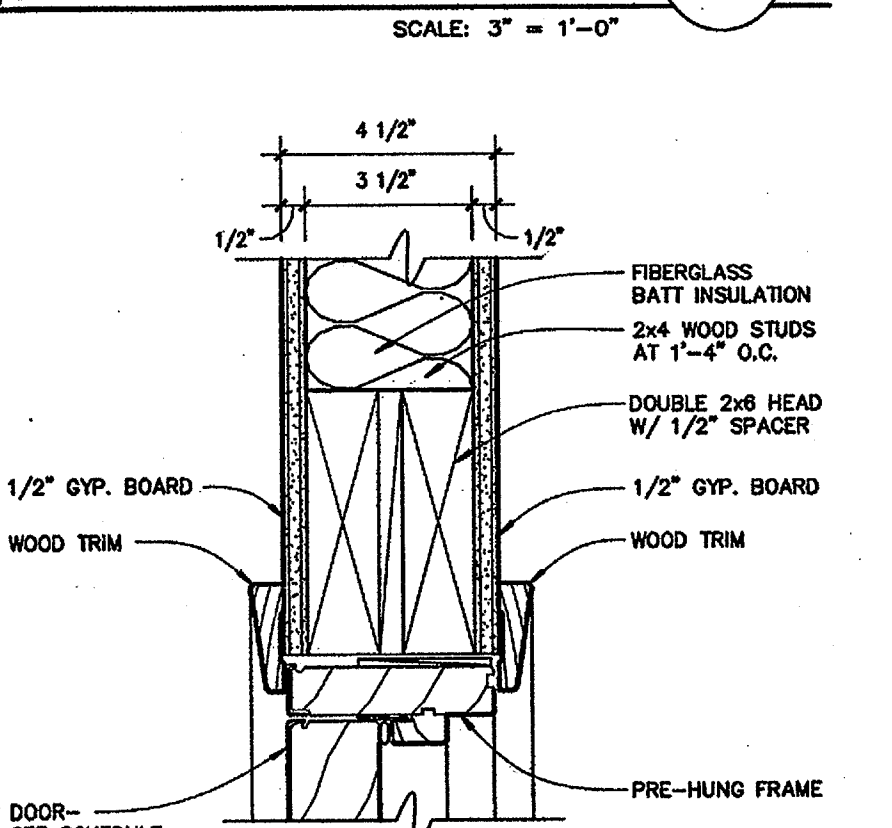
DOOR VIEWER
60"
REV JRM 2/21/06



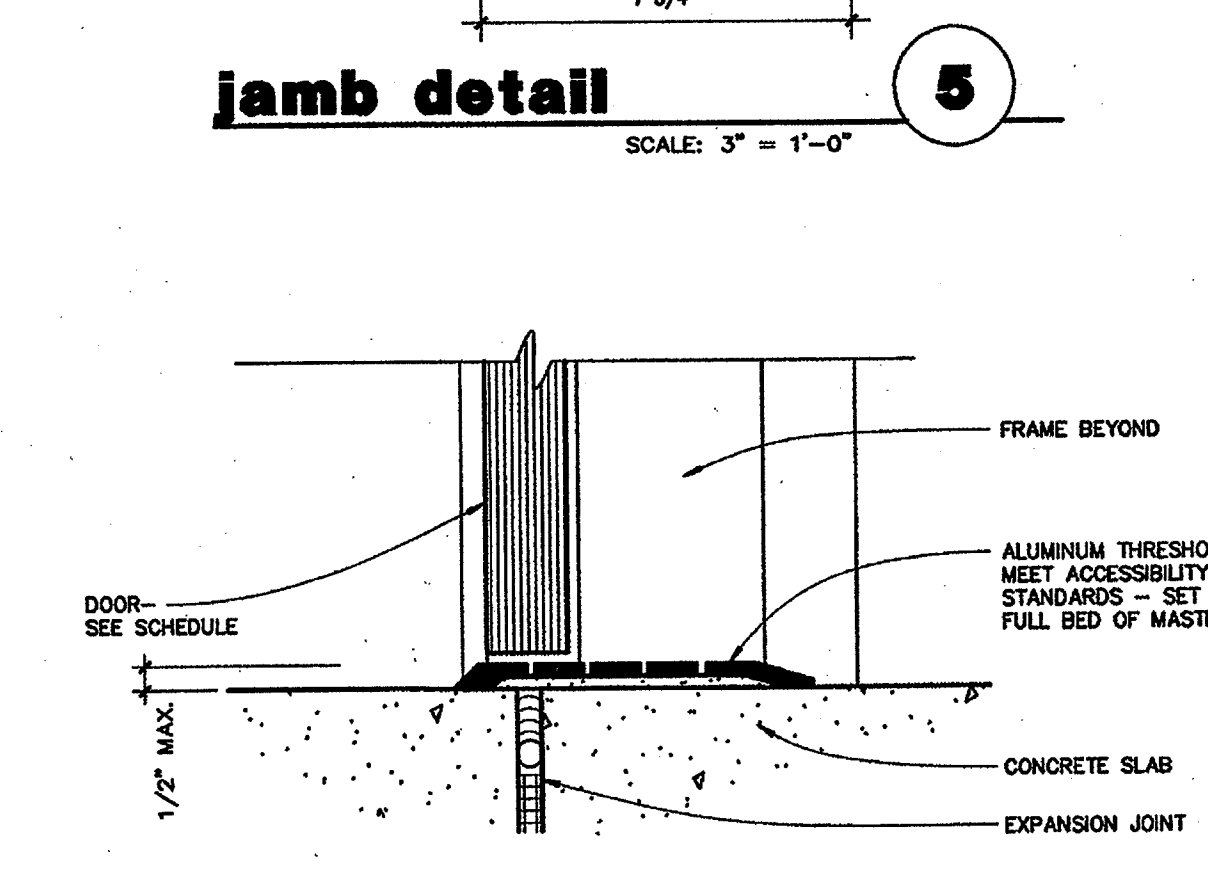
detail omitted 1
SCALE: 3" = 1'-0"



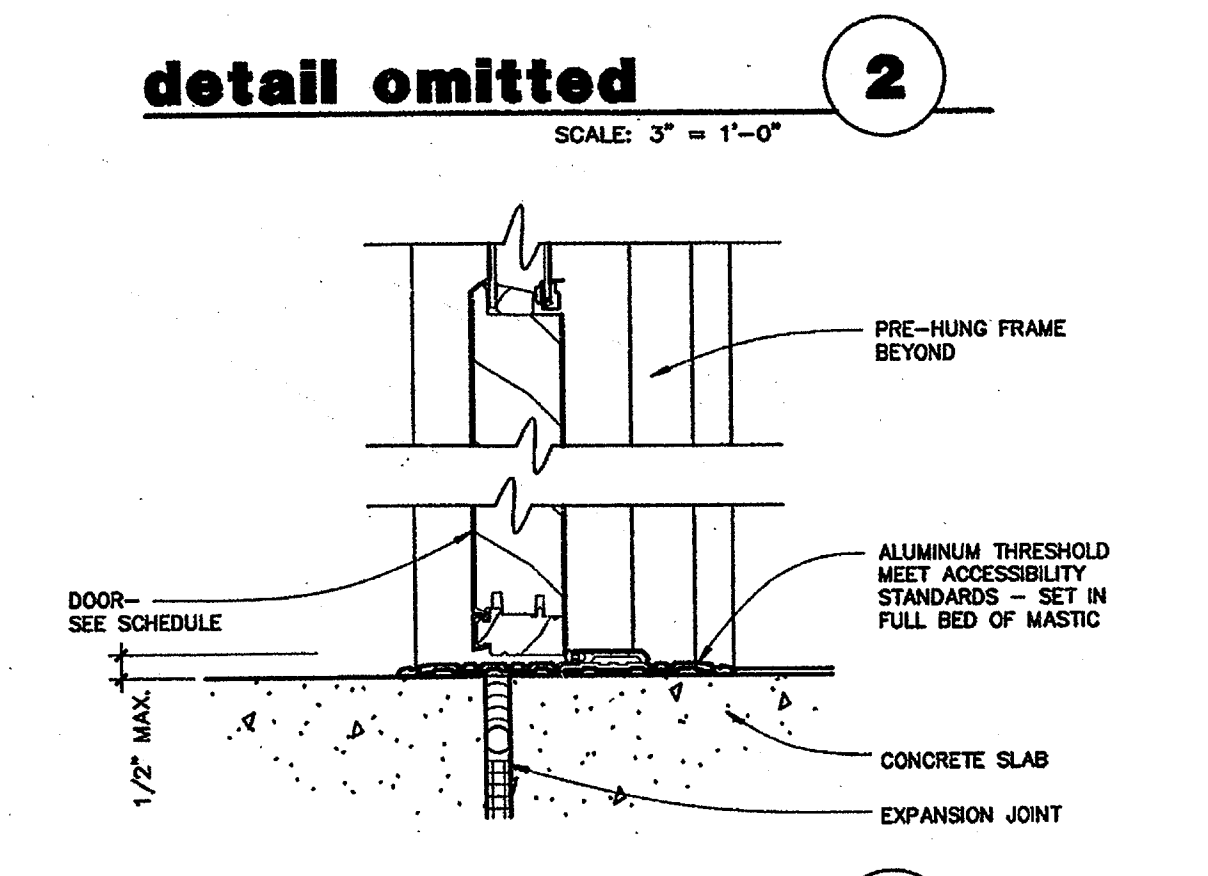
jamb detail 14
SCALE: 3" = 1'-0"



jamb detail 10
SCALE: 3" = 1'-0"



sill detail 6
SCALE: 3" = 1'-0"



sill detail 3
SCALE: 3" = 1'-0"

NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY

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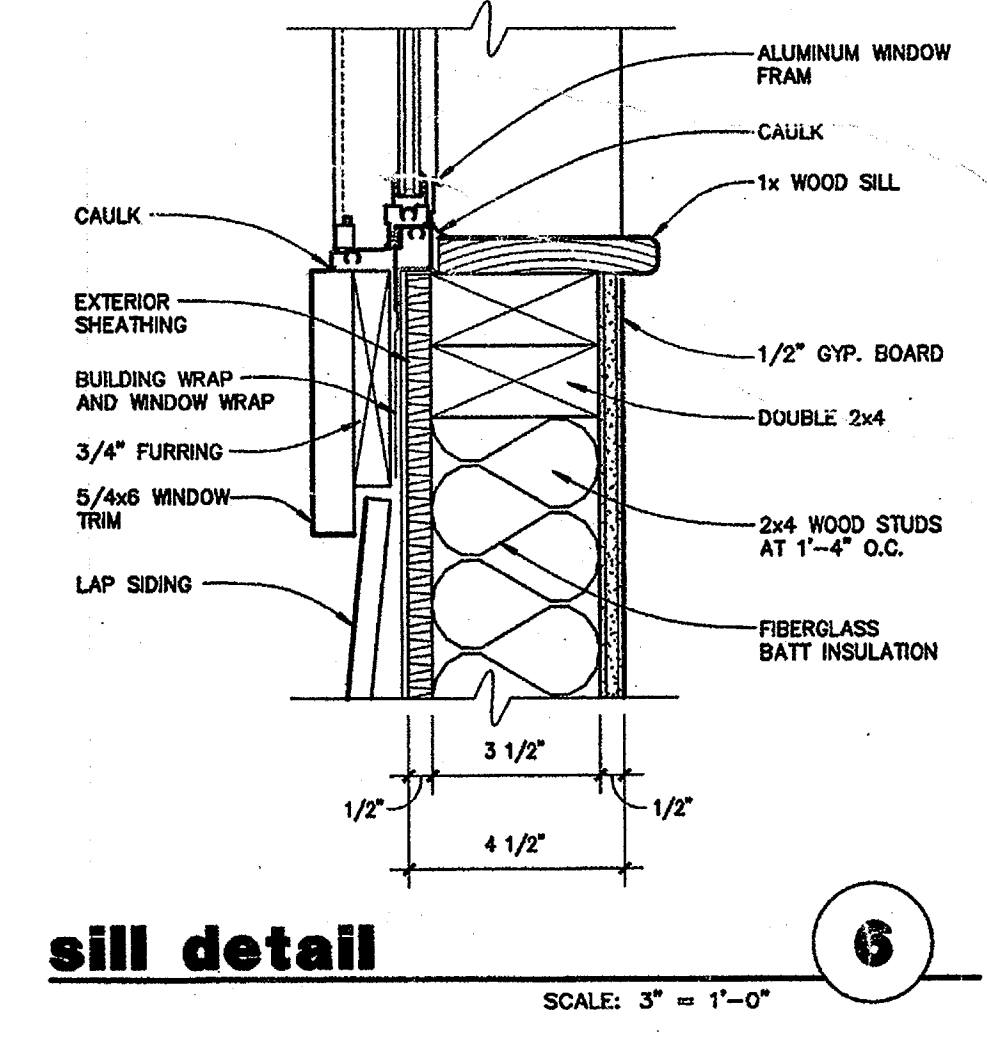
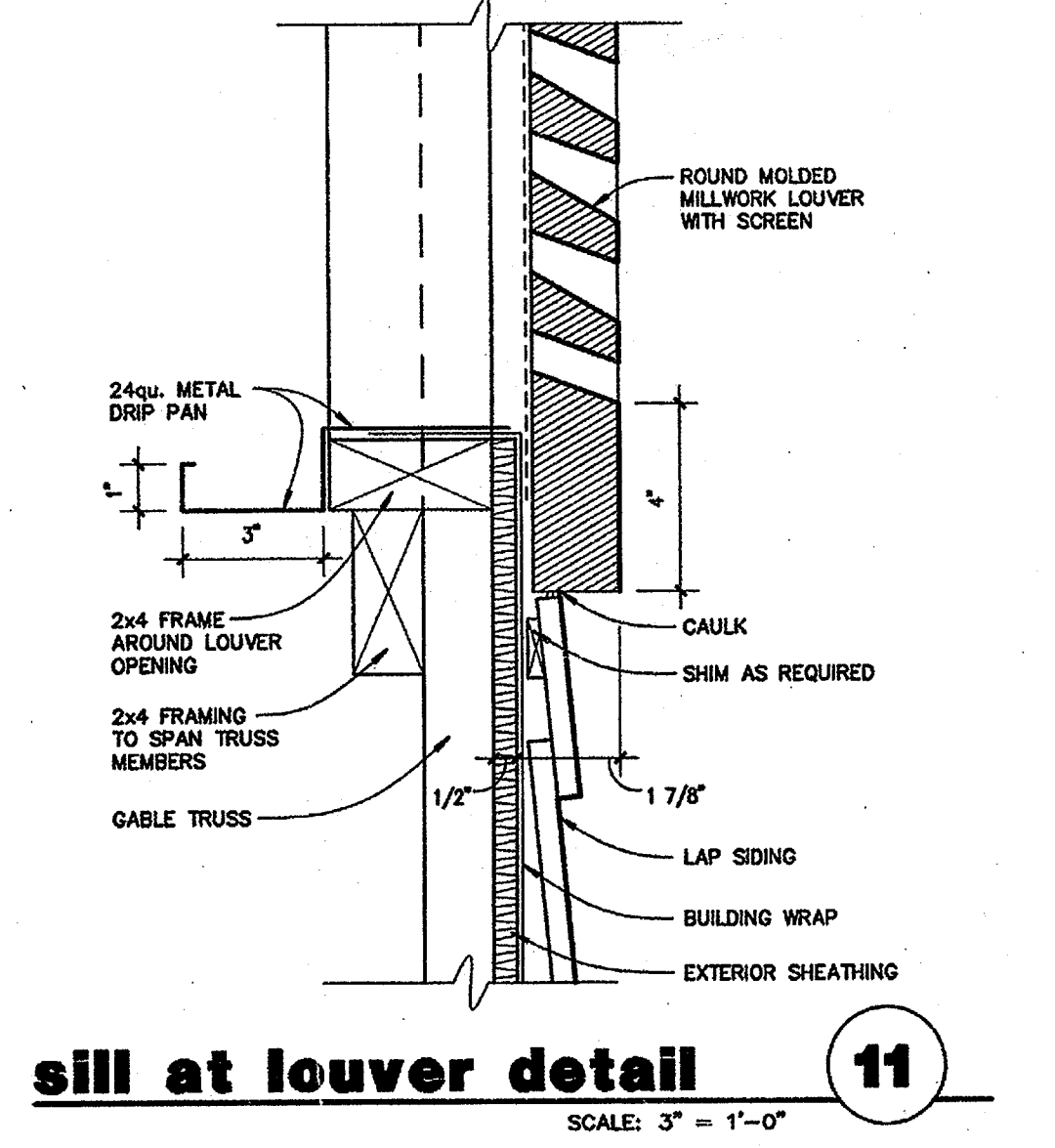
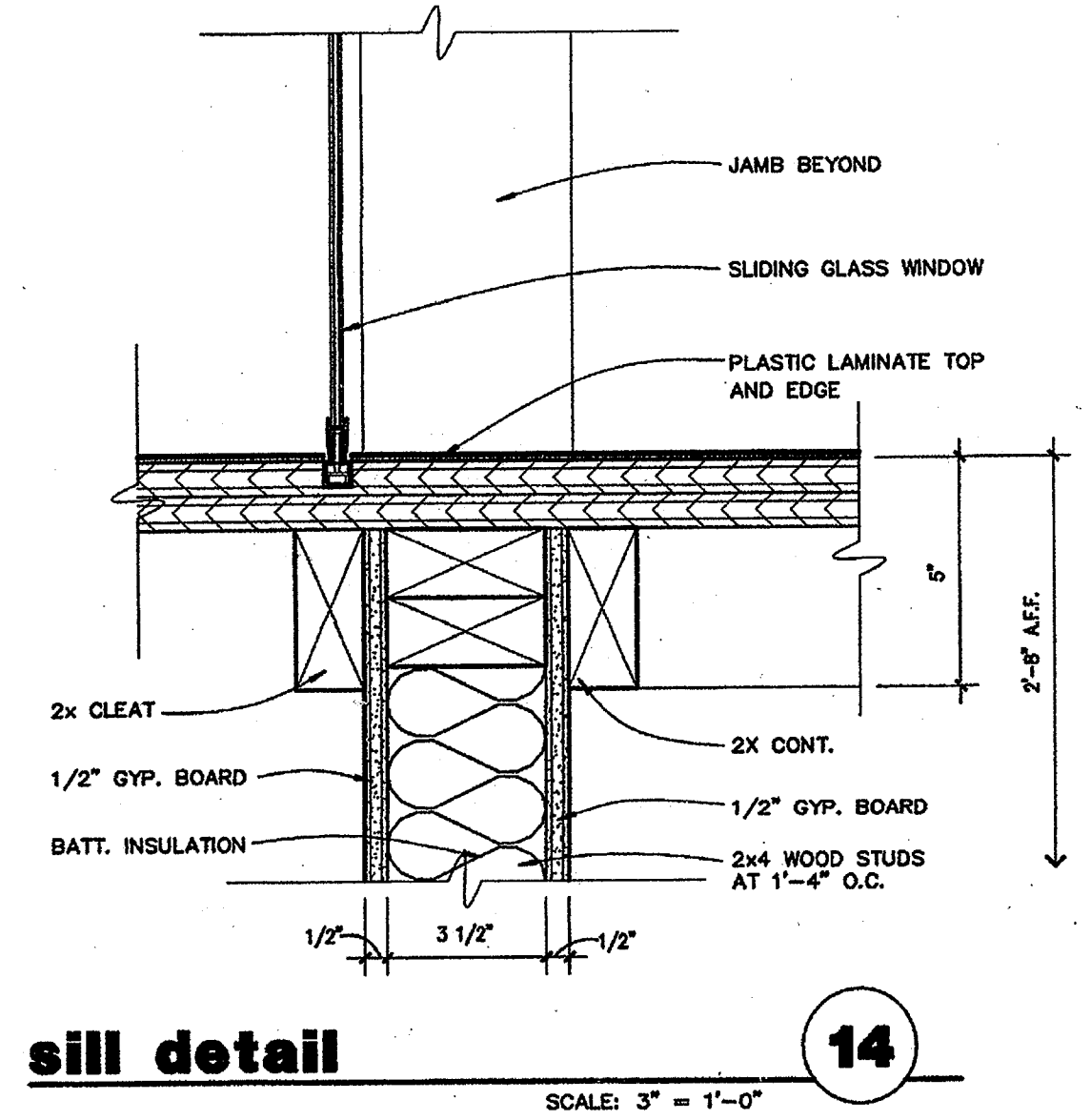
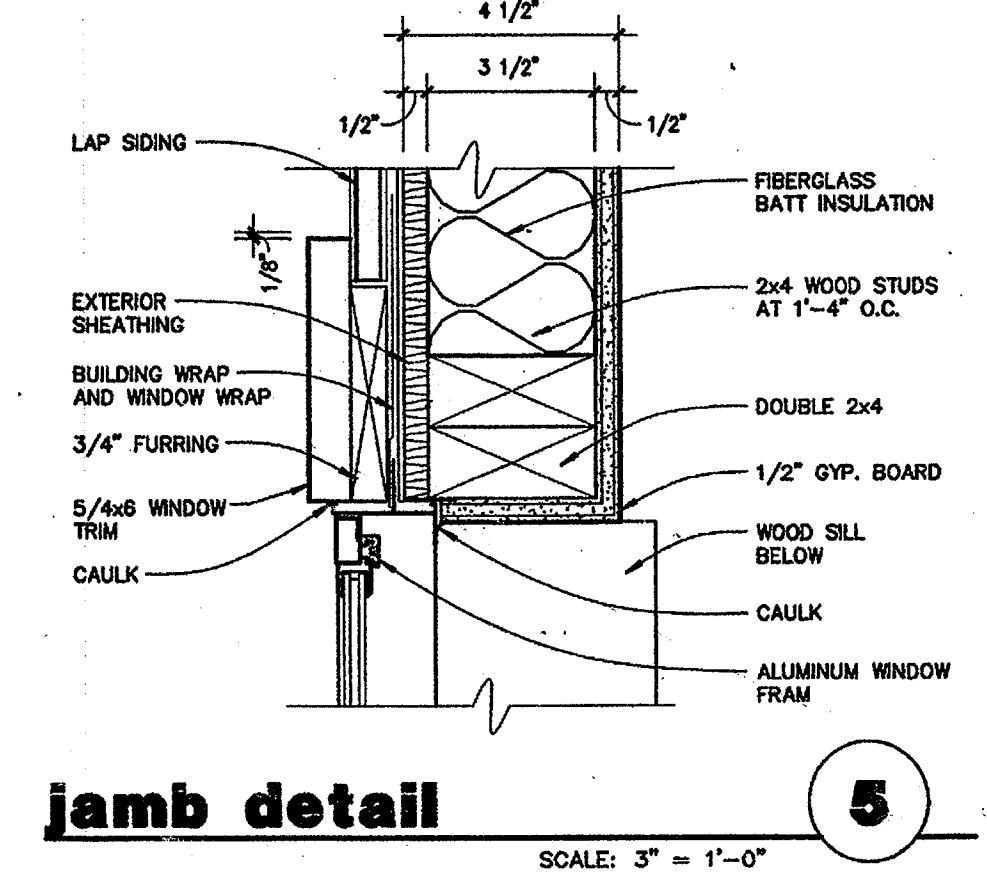
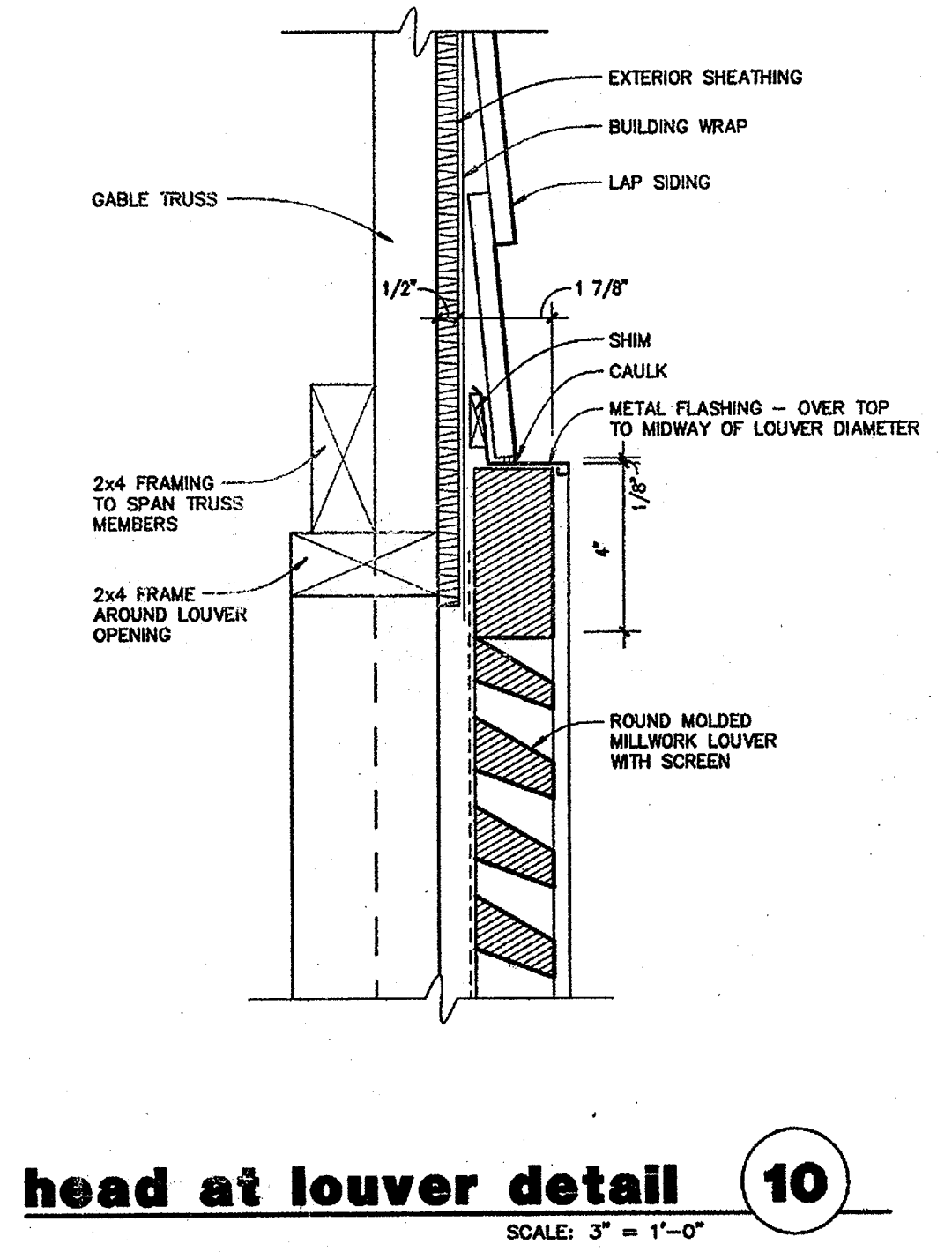
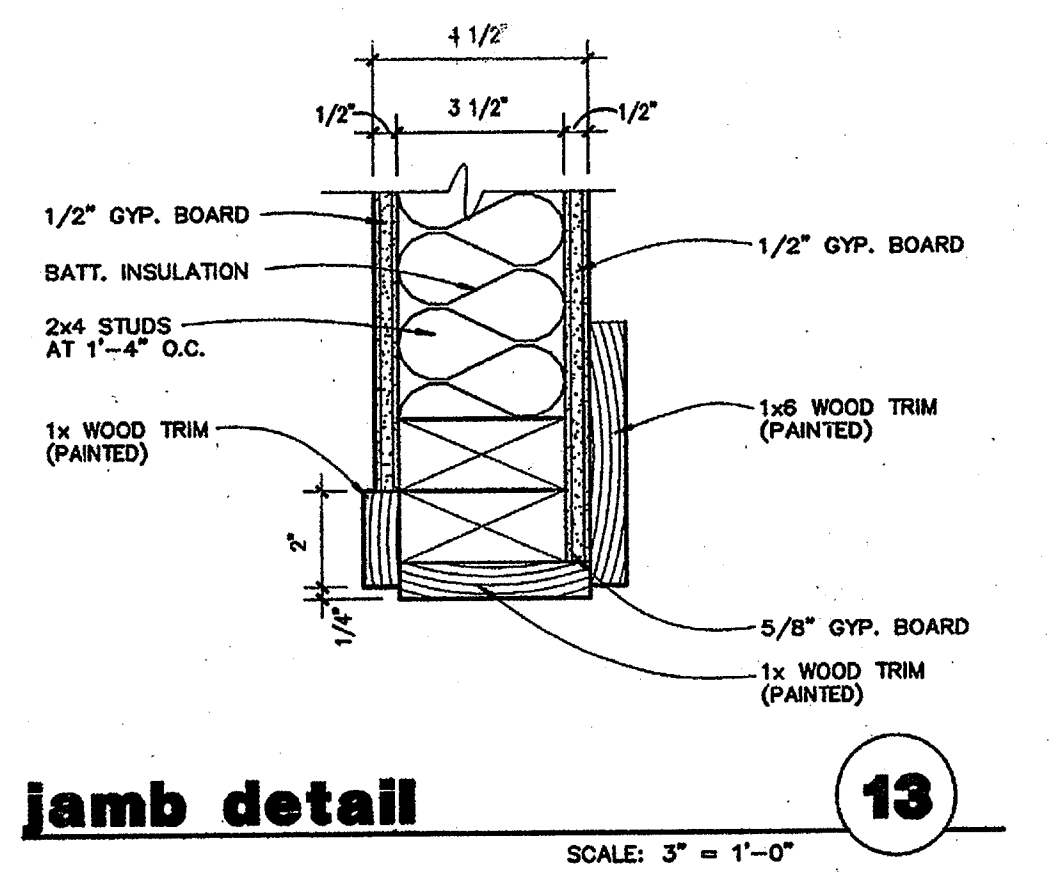
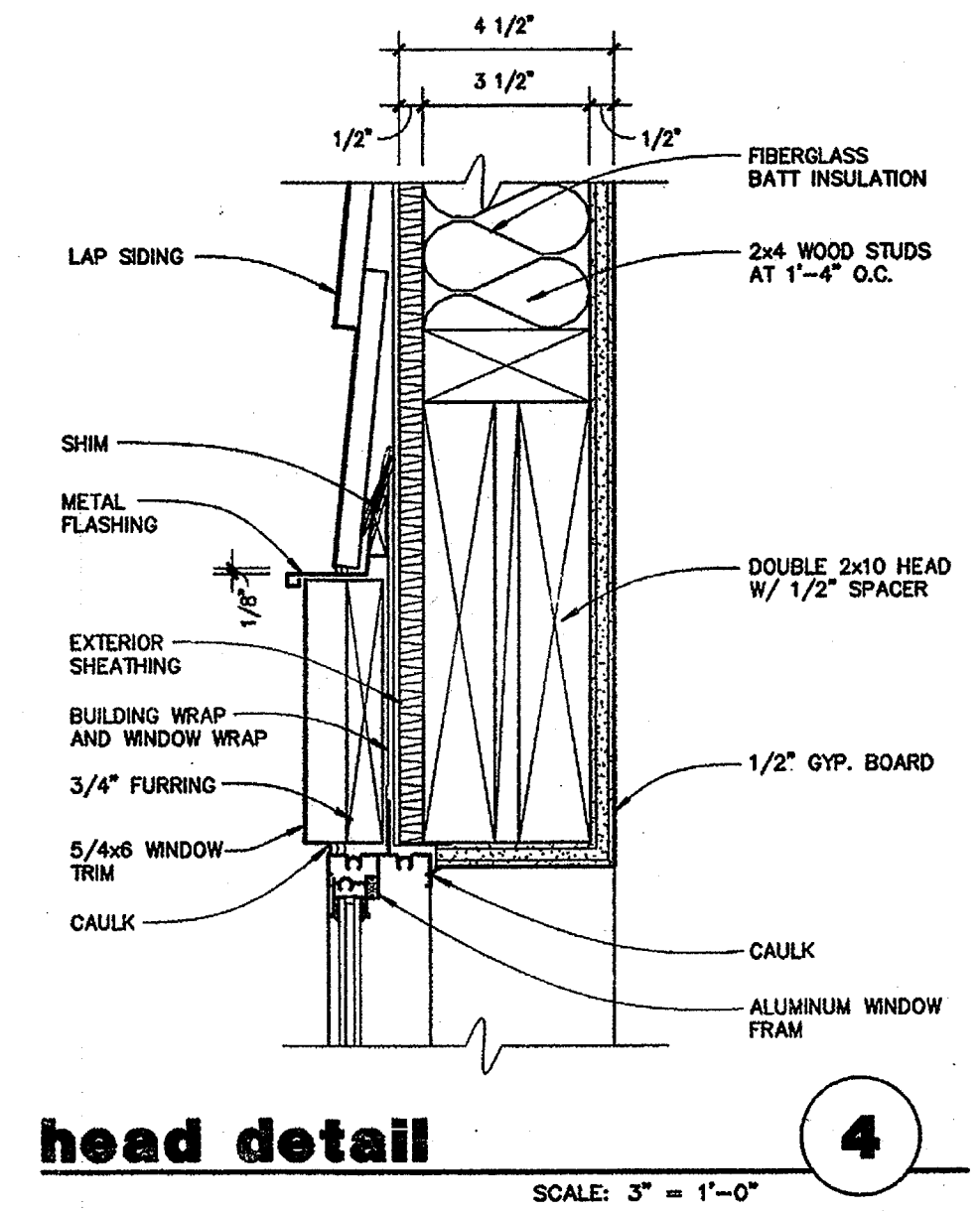
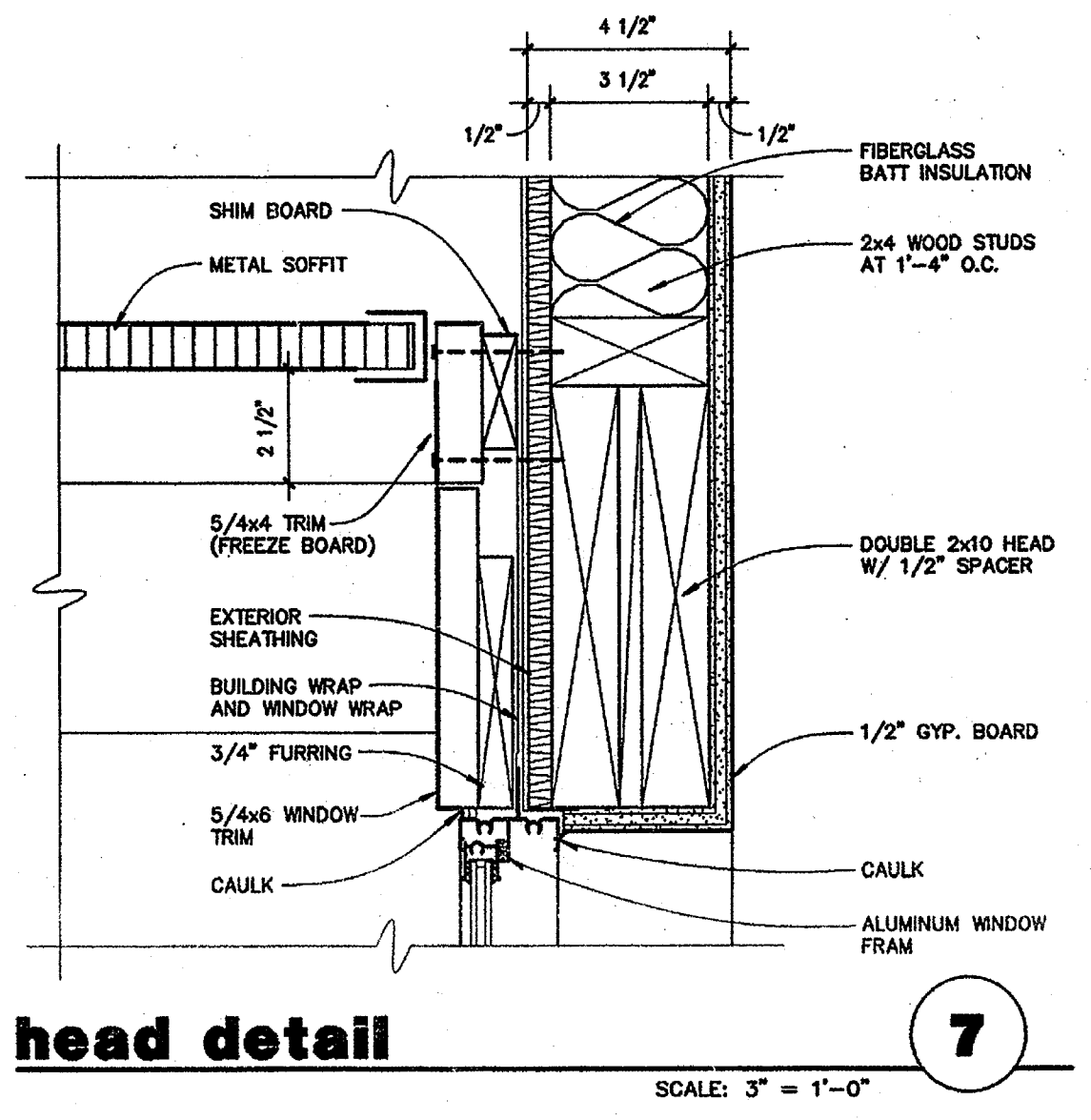
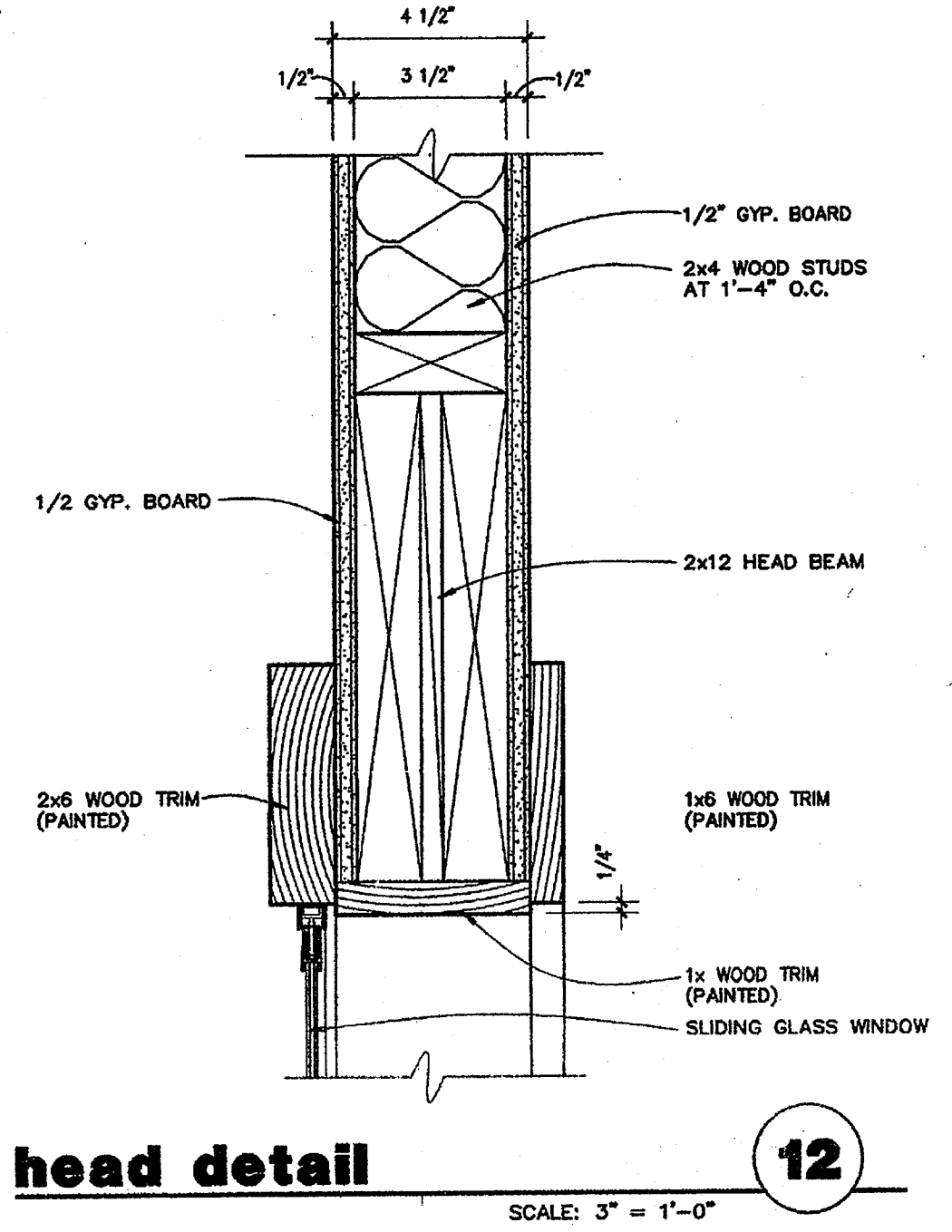
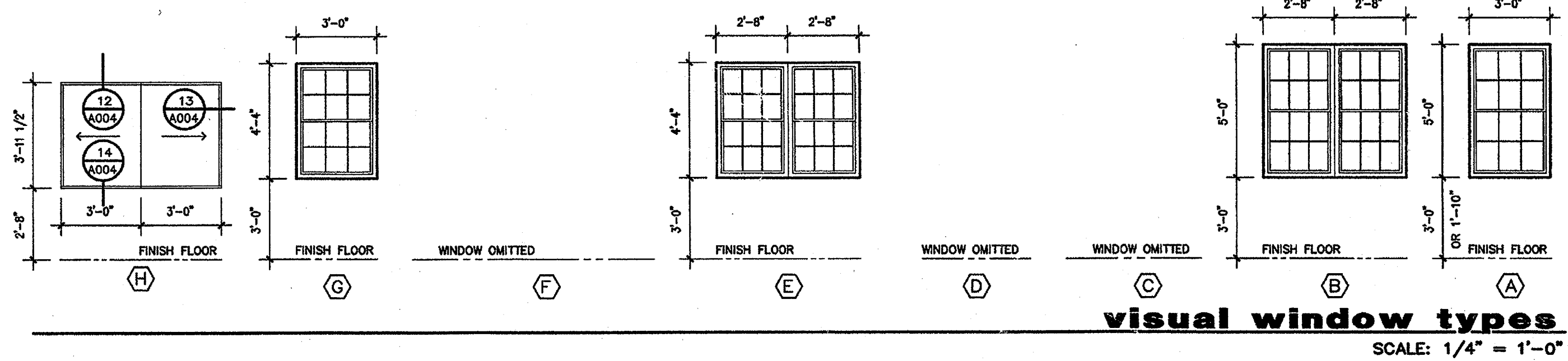
BRACKETT
KRENNERICH

BRACKETT, KRENNERICH & ASSOCIATES
REGISTERED ARCHITECTS
#13
ARKANSAS
9 NOV 04

REGISTERED ARCHITECTS
#13
ARKANSAS
9 NOV 04

VISUAL DOOR TYPE
DOOR SCHEDULE
DOOR DETAIL

Commission Number
10404R
A00
Date: November 5, 2004



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ARKANSAS STATE UNIVERSITY

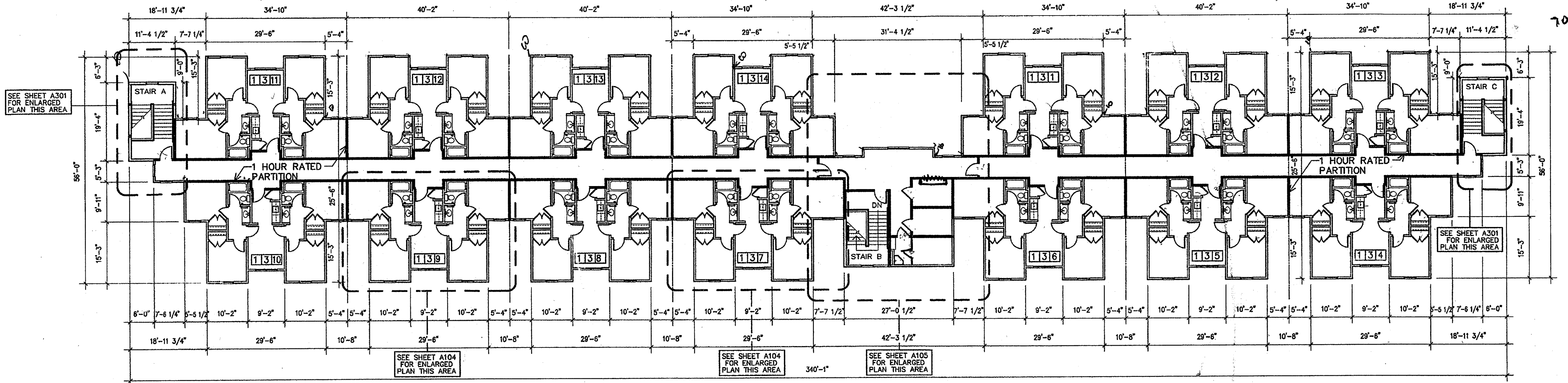
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BRACKETT
KRENNERICH

BRACKETT, KRENNERICH & ASSOCIATES
REGISTERED ARCHITECTS
C13
Arkansas
2 NOV 04

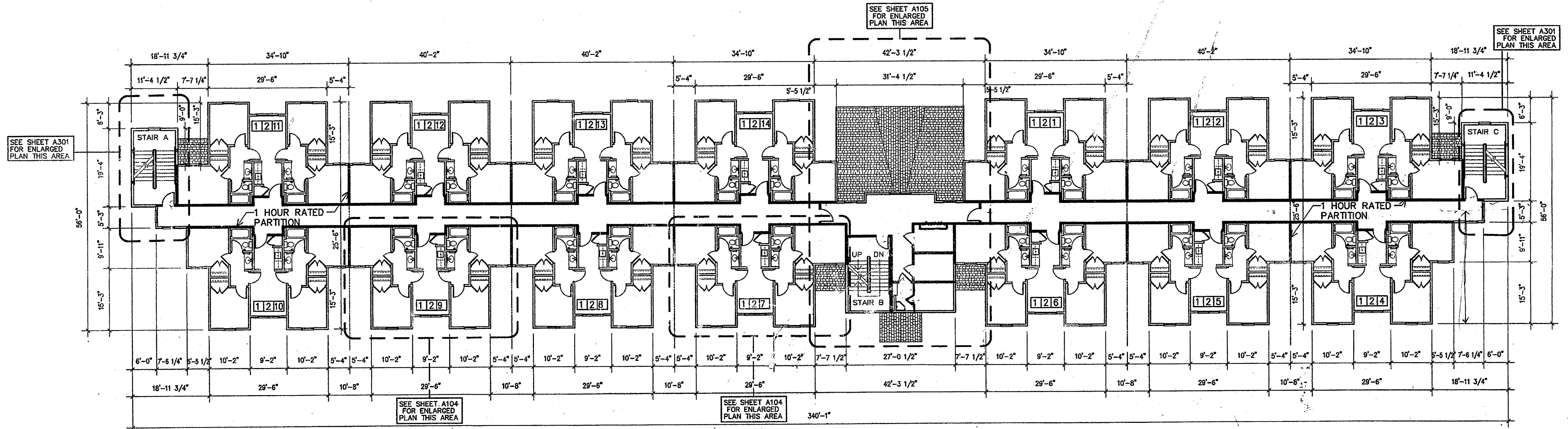
VISUAL WINDOW
WINDOW DETAIL

Commission Number
10404R
A00
Date: November 5,



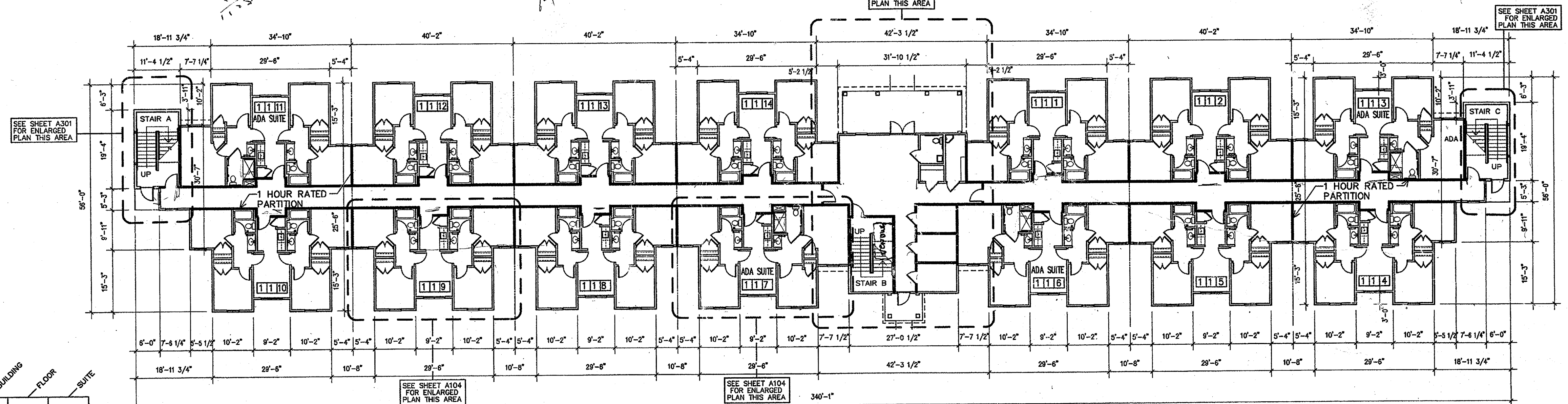
third floor plan

SEE SITE PLAN FOR BUILDING ORIENTATIONS SCALE: 1/16" = 1'-0"



second floor plan

SEE SITE PLAN FOR BUILDING ORIENTATIONS SCALE: 1/16" = 1'-0"



first floor plan

SEE SITE PLAN FOR BUILDING ORIENTATIONS SCALE: 1/16" = 1'-0"

1st FLOOR AREA= 15,000 sq.ft.
 2nd FLOOR AREA= 14,504 sq.ft.
 3rd FLOOR AREA= 14,504 sq.ft.
 TOTAL BUILDING AREA= 44,008 sq.ft. (GROSS)

NOTE: BUILDING 1 DRAWN
SUITE NUMBER
 129

*227
230
60
564
11-15*

*12711a
Door
14 metal
clad*

4200 CORRECTIONS

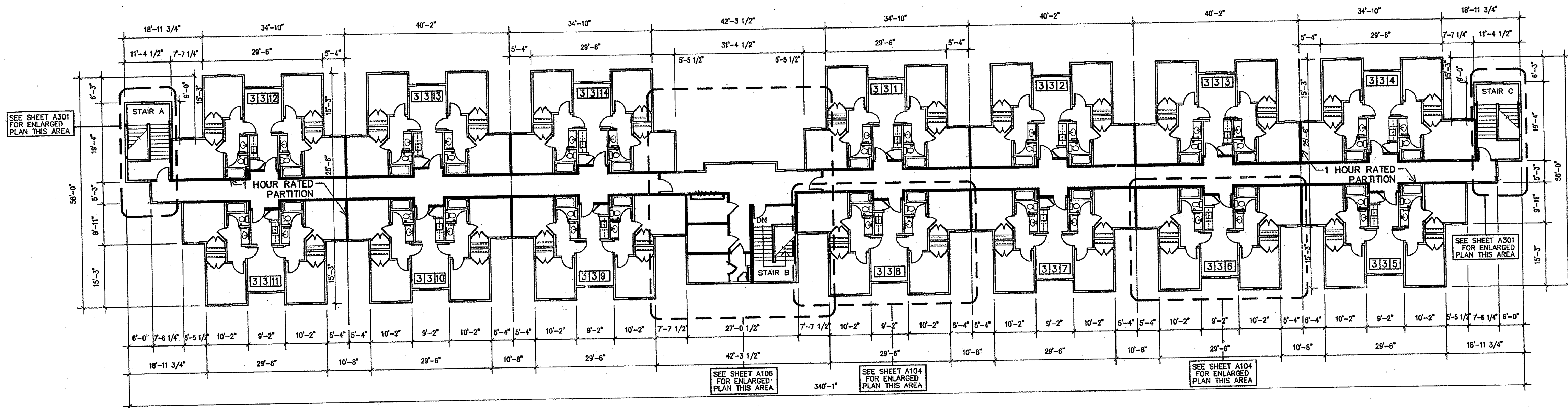
**NEW RESIDENCE HALL
 COMMUNITY
 ARKANSAS STATE UNIVERSITY**

**BRACKETT
 KRENNERICH**

REGISTERED ARCHITECTS
 ARKANSAS
 9 NOV 04

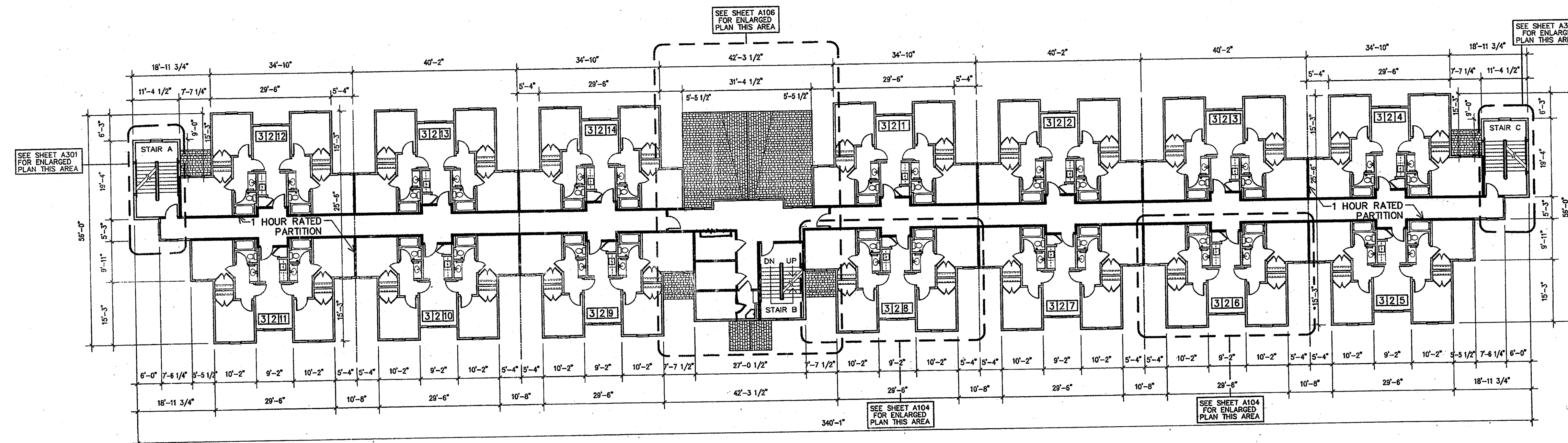
Commission Number
 10404R
A10
 Date: November 5

BUILDINGS ONE, TWO, FOUR, AND FIVE



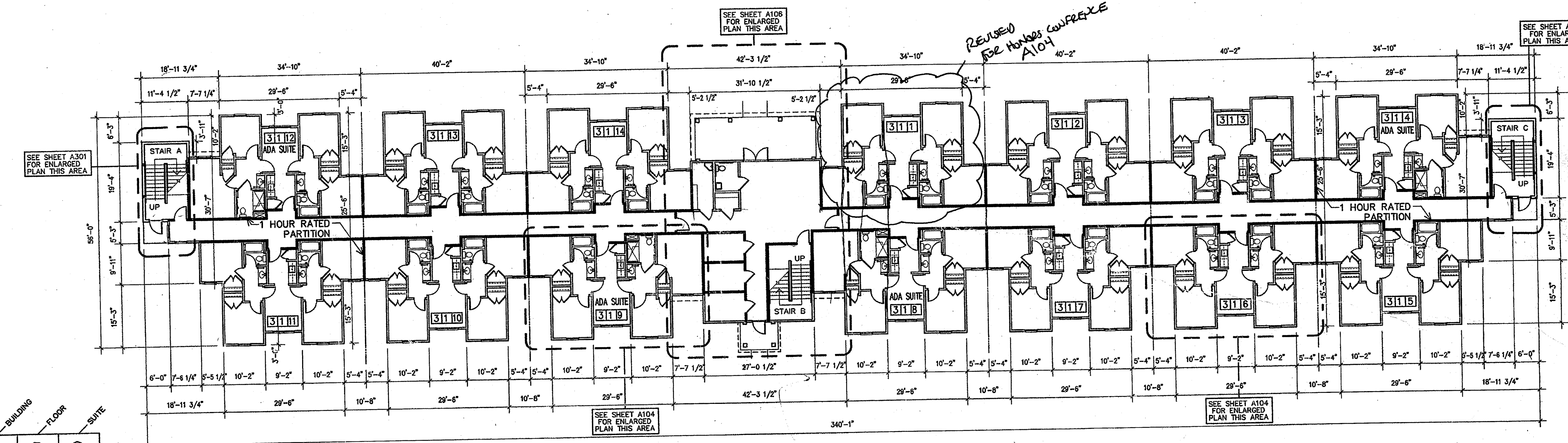
third floor plan

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second floor plan

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3rd FLOOR AREA= 14,504 sq.ft.
TOTAL BUILDING AREA= 44,008 sq.ft. (GROSS)

NOTES:
BUILDING 1
DRAWN

1	2	9
---	---	---

SUITE NUMBER

NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY

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BUILDING THREE



BUILDING THREE
FLOOR PLAN

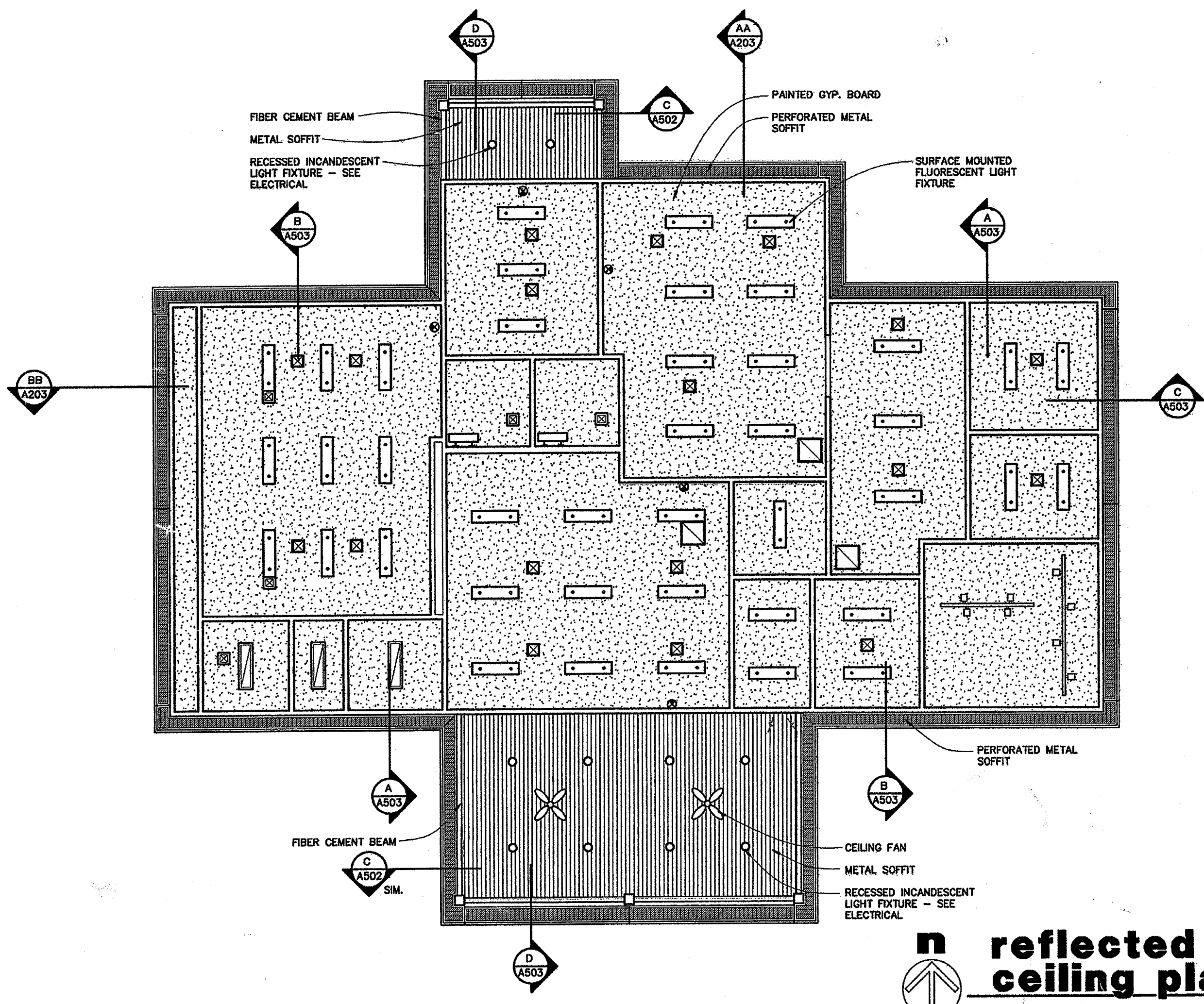
Commission N
10404R

A10

Date: November

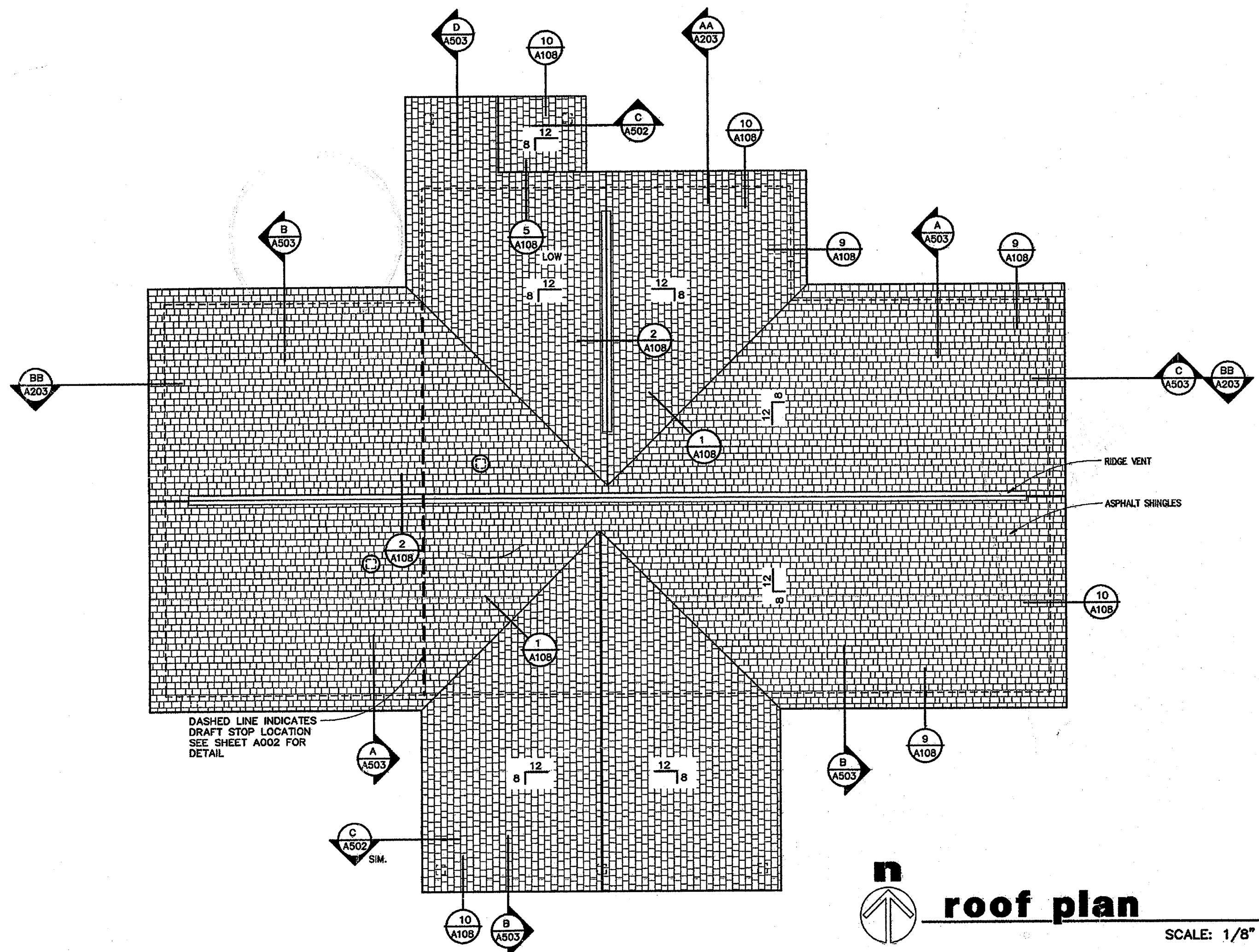
ROOM FINISH SCHEDULE							
NUMBER	ROOM NAME	FLOOR	BASE	WALLS	CEILING HEIGHT	CEILING	REMARKS
100	VESTIBULE	PREMIUM VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	① KNOCK DOWN CRANSE PRESS FINISH ALL WALLS AND CEILING
101	LOBBY	PREMIUM VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
102	RECEPTION	CARPET	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
103	STORAGE	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
104	GRADUATE ASSISTANT	CARPET	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
105	IT	SEALED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
106	GRADUATE ASSISTANT	CARPET	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
107	MECHANICAL	SEALED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
108	STORAGE	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
109	MEETING ROOM	CARPET	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
110	LAUNDRY	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
111	JANITOR / STORAGE	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
112	ELECTRICAL	SEALED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
113	WATER HEATER	SEALED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
114	TOILET	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①
115	TOILET	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0 1/2"	PAINTED GYPSUM BOARD	①

LEGEND	
ARCHITECTURAL	ELECTRICAL
2x2 SUSPENDED ACOUSTICAL CEILING SYSTEM	INCANDESCENT LIGHT FIXTURE
GYPSUM BOARD	FLUORESCENT LIGHT FIXTURE
MECHANICAL	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
RETURN AIR GRILLE	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
SUPPLY AIR GRILLE	TRACK LIGHTING STRIP
SUPPLY AIR GRILLE	CEILING MOUNT EXIT SIGN
EXHAUST FAN	
SEE MECHANICAL PLAN FOR FURTHER DETAILS AND INFO.	SEE LIGHTING PLAN FOR FURTHER DETAILS AND INFO.

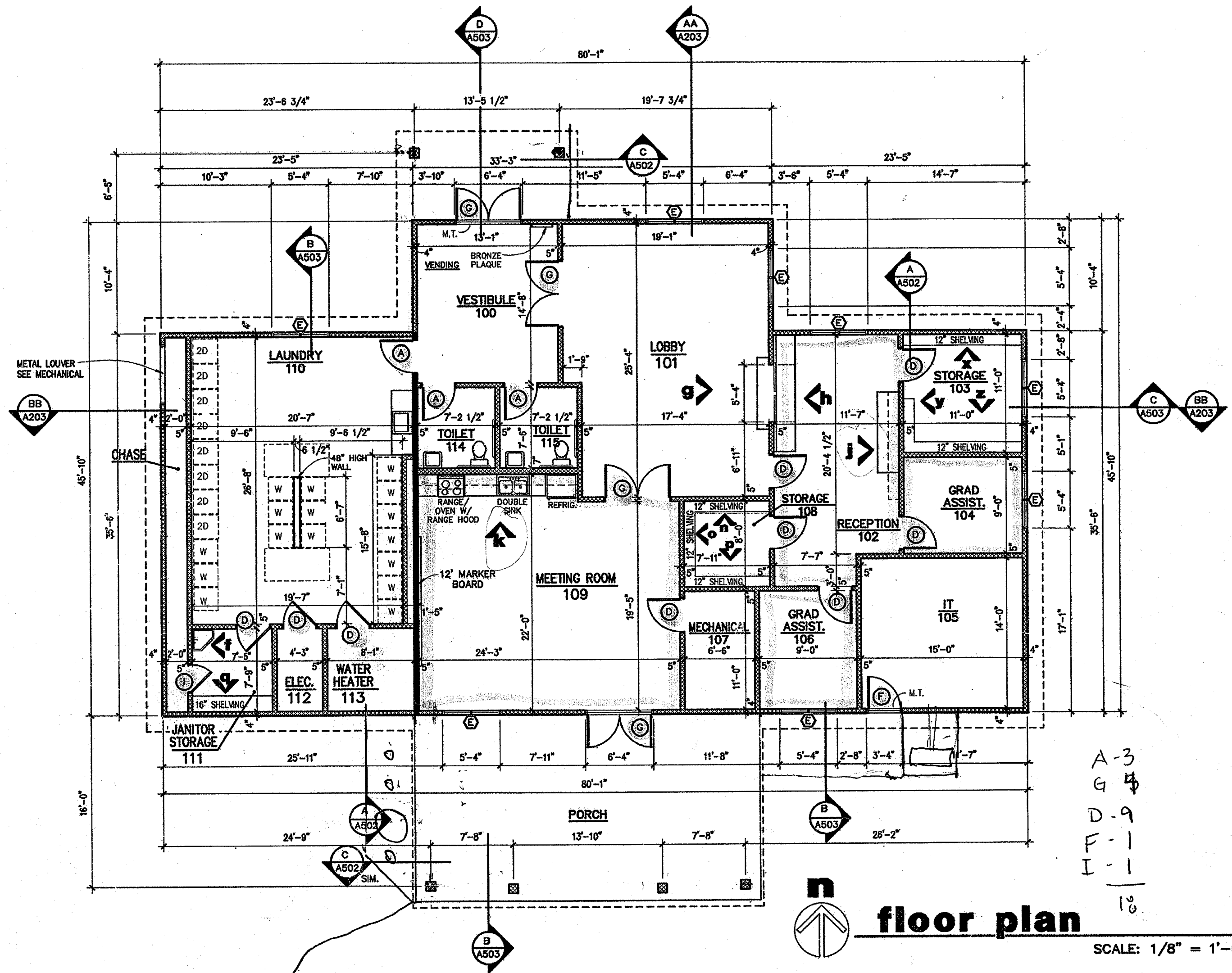


n reflected ceiling plan
SCALE: 1/8" = 1'-0"

20
11/6
\$1276.8
1139 164
24x = 1.76



n roof plan
SCALE: 1/8" = 1'-0"

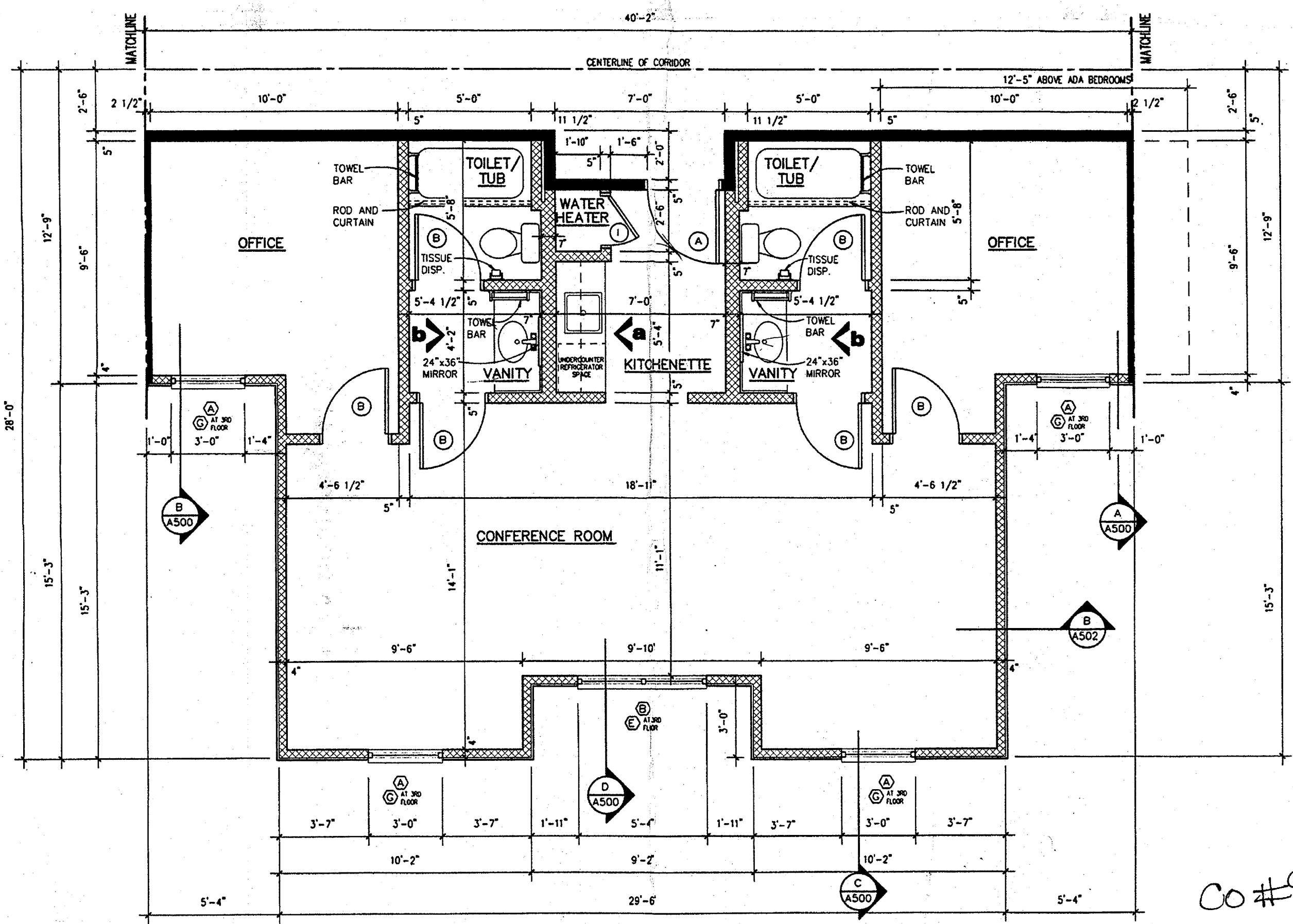


n floor plan
SCALE: 1/8" = 1'-0"

COMMONS BUILDING

946 2924

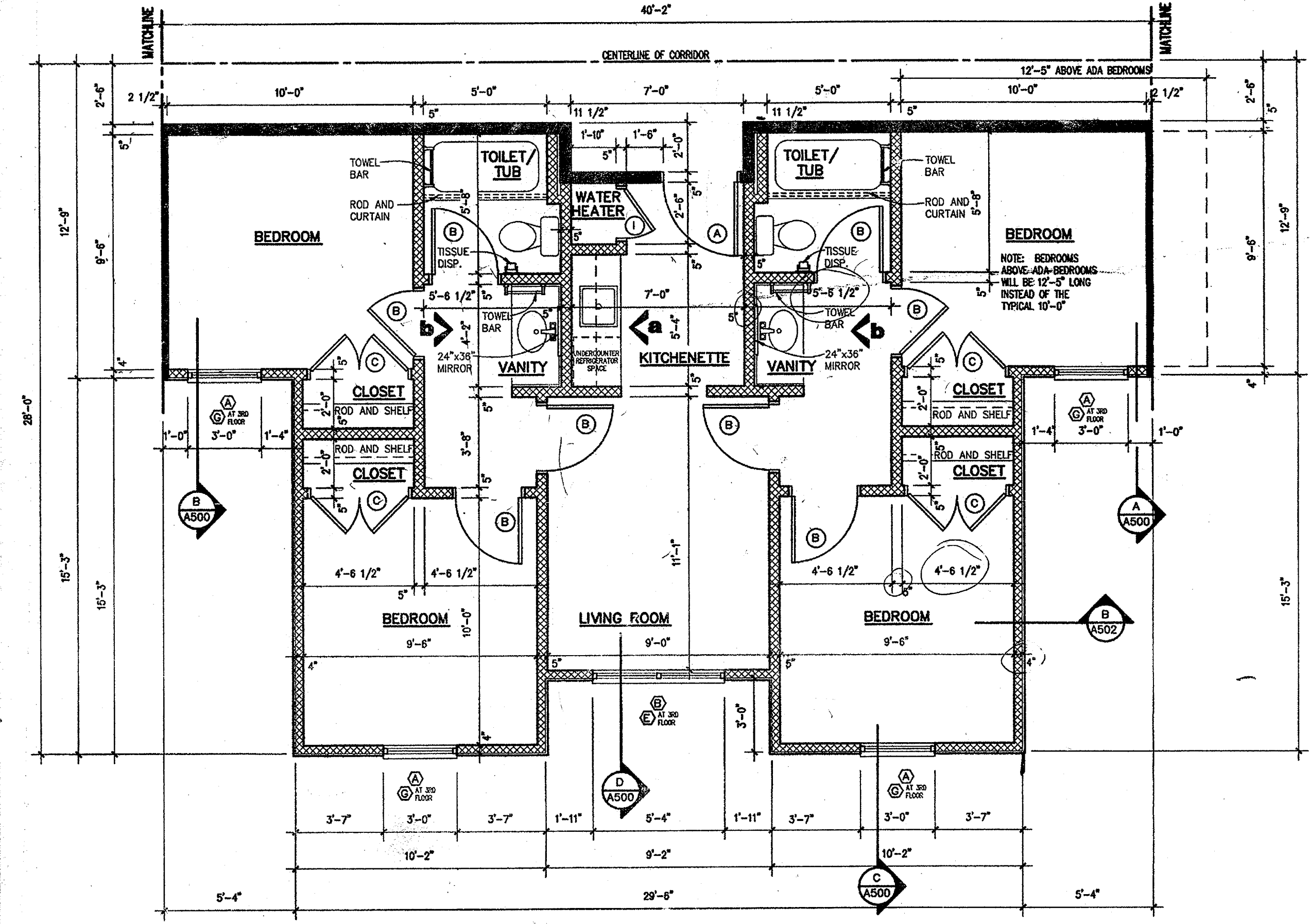
A-3
G-4
D-9
F-1
I-1
10



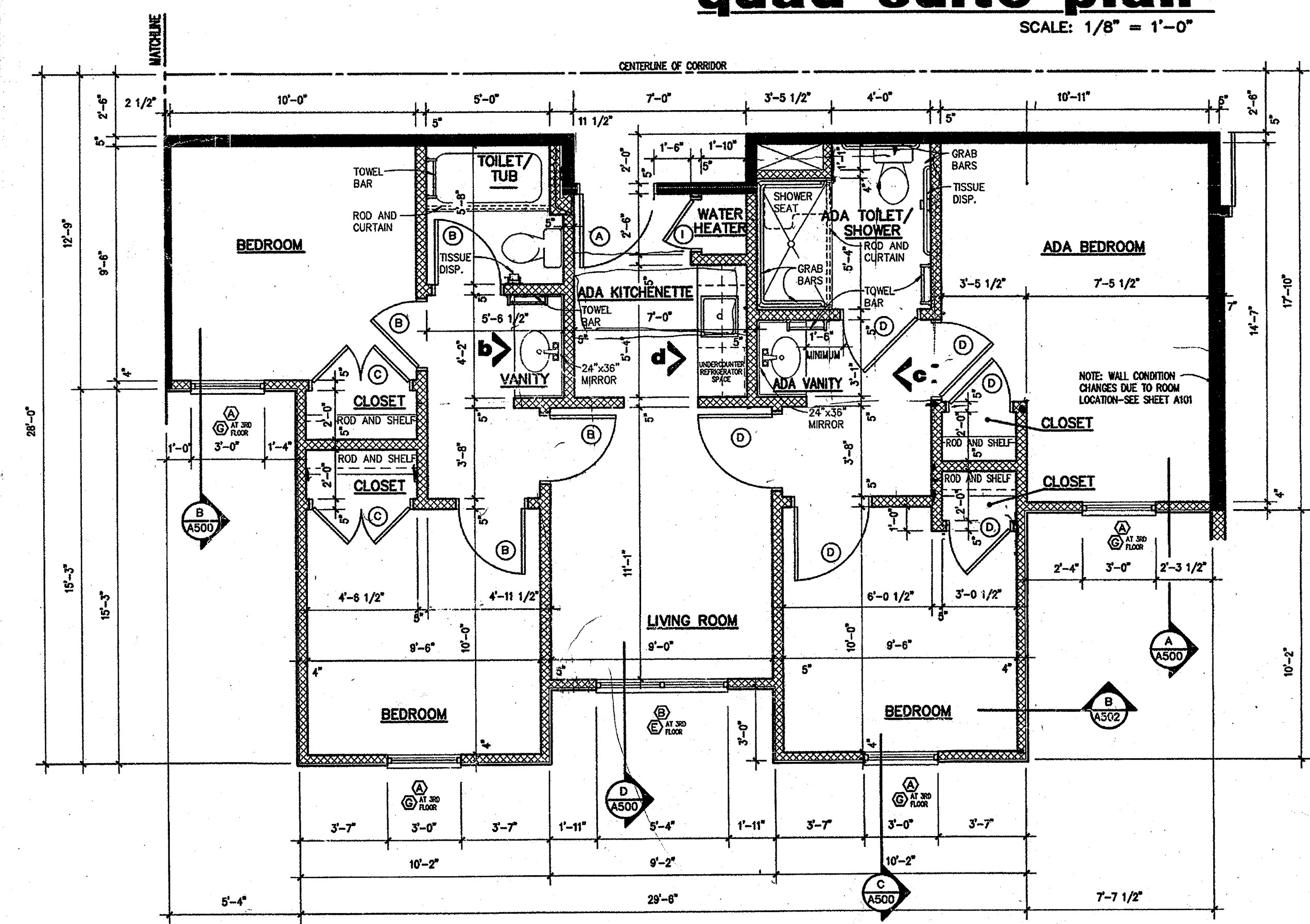
honors suite plan
SCALE: 1/4" = 1'-0"

CO #9

ROOM NAME	FLOOR	BASE	WALLS	CEILING HEIGHT	CEILING	REMARKS
KITCHENETTE	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	8'-0"	2x2 SUSPENDED ACOUSTICAL	(1) KNOCK DOWN ORANGE PEEL FINISH ALL WALLS AND CEILING
LIVING ROOM	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	PAINTED GYPSUM BOARD (1)	
VANITY	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	8'-0"	2x2 SUSPENDED ACOUSTICAL	
TOILET/TUB	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	8'-0"	PAINTED GYPSUM BOARD (1)	
BEDROOM	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	PAINTED GYPSUM BOARD (1)	
CLOSET	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	PAINTED GYPSUM BOARD (1)	
WATER HEATER	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	PAINTED GYPSUM BOARD (1)	
ADA KITCHENETTE	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	8'-0"	2x2 SUSPENDED ACOUSTICAL	
ADA VANITY	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	8'-0"	2x2 SUSPENDED ACOUSTICAL	
ADA TOILET/SHOWER	CERAMIC TILE	CERAMIC TILE	PAINTED GYPSUM BOARD (1)	8'-0"	PAINTED GYPSUM BOARD (1)	



quad suite plan
SCALE: 1/8" = 1'-0"



ada quad suite plan
SCALE: 1/8" = 1'-0"

240

**NEW RESIDENCE HALL
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**BRACKETT
KRENNERICH**

**BRACKETT
KRENNERICH & ASSOCIATES**
REGISTERED ARCHITECTS
9 NOV 01

ENLARGED SU
PLANS

Commission Num
10404R

A10

Date: November 5

REQUEST FOR INFORMATION

PROJECT: New Residence Hall Community
Arkansas State University
RFI #: 29

PROJECT NO: 1444

SENDER: David Dancer
RECEIVER: George Krennerich 870-932-0975

DATE SENT: 08/11/05
DATE INITIATED: 8/11/05

COPIES TO: Doug Gallahar
RESPONSE REQUESTED: 08/18/05

SUBJECT: MECH Rooms

REQUEST:

Please review and respond to attached drawing from RGB concerning the location of Mechanical Equipment in the MECH rooms of the Buildings. It appears that we will be blocking the doors.

RFI #29

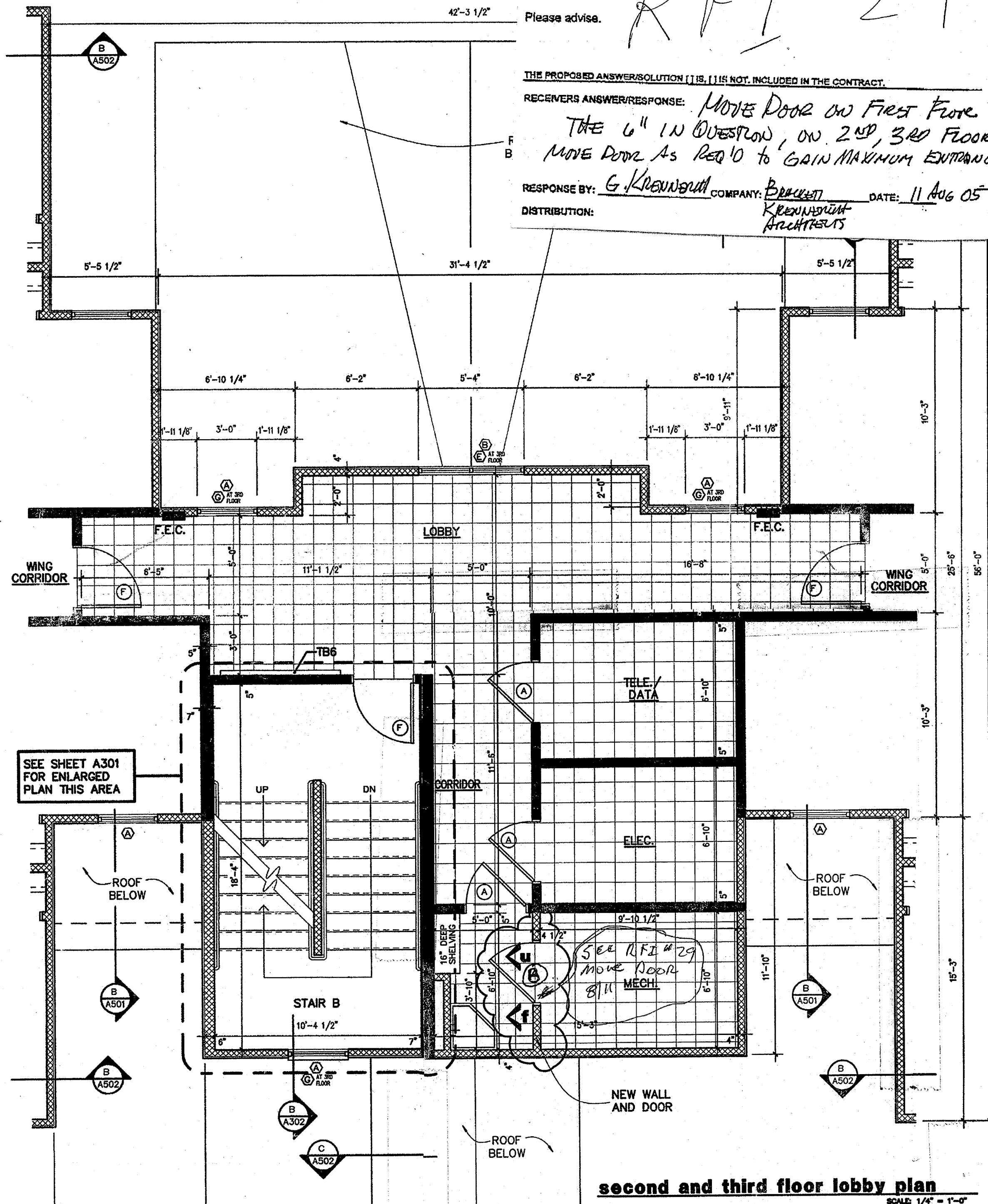
Please advise.

THE PROPOSED ANSWER/SOLUTION (I, II, III) IS NOT INCLUDED IN THE CONTRACT.

RECEIVER'S ANSWER/RESPONSE: *MOVE DOOR ON FIRST FLOOR THE 6" IN OVERSPOD, ON 2ND, 3RD FLOORS MOVE DOOR AS REQ'D TO GAIN MAXIMUM ENTRANCE*

RESPONSE BY: *G. KRENNERICH* COMPANY: *BRACKETT KRENNERICH ARCHITECTS* DATE: *11 Aug 05*

DISTRIBUTION:



second and third floor lobby plan

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

* PER JERRY B. THIS IS A TYPE B DOOR W/ HARDWARE SET II

David Dancer

NEW RESIDENCE HALL COMMUNITY
ARKANSAS STATE UNIVERSITY
JONESBORO, ARKANSAS

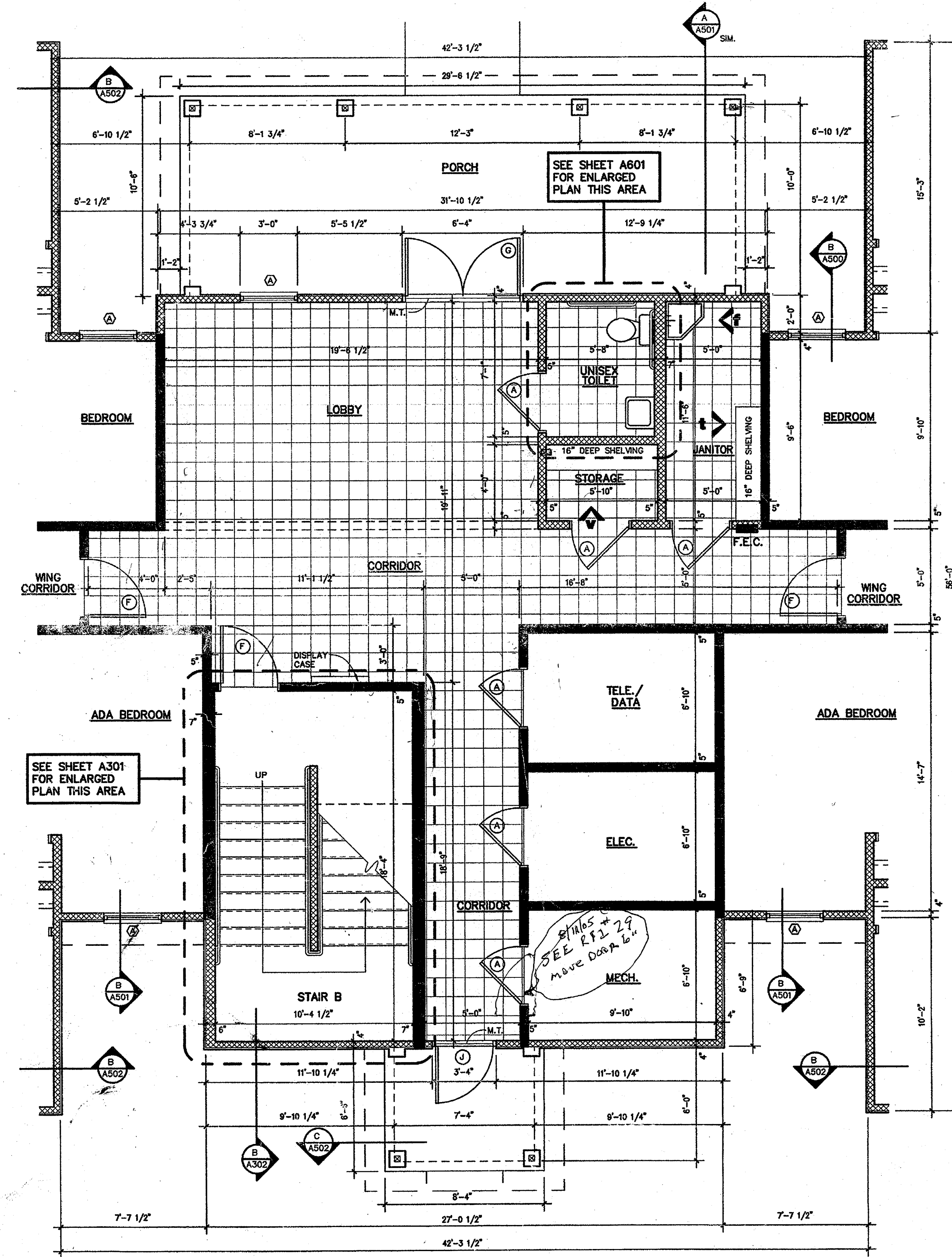
Commission Number 10404R
BRACKETT KRENNERICH ARCHITECTS

April 26, 2005

second and third floor lobby plan

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

ROOM NAME	FLOOR	BASE	WALLS	CEILING HEIGHT	CEILING	REMARKS
1st FLOOR LOBBY	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	PAINTED GYPSUM BOARD (1)	(1) KNOCK DOWN ORANGE PEEL FINISH ALL WALLS AND CEILING
2nd FLOOR LOBBY	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	8'-0"	2x2 SUSPENDED ACOUSTICAL	
CORRIDORS	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	8'-0"	2x2 SUSPENDED ACOUSTICAL	
WING CORRIDOR	CARPET	RUBBER	PAINTED GYPSUM BOARD (1)	8'-0"	2x2 SUSPENDED ACOUSTICAL	
STAIRS A, B, C	EXPOSED CONCRETE	RUBBER	PAINTED GYPSUM BOARD (1)	VARIES	PAINTED GYPSUM BOARD (1)	
JANITOR	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
UNISEX TOILET	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	8'-0"	2x2 SUSPENDED ACOUSTICAL	
STORAGE	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	8'-0"	2x2 SUSPENDED ACOUSTICAL	
1st FLOOR TELE/DATA	EXPOSED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
1st FLOOR MECHANICAL	EXPOSED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
1st FLOOR ELECTRICAL	EXPOSED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
2nd FLOOR TELE/DATA	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
2nd FLOOR MECHANICAL	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
2nd FLOOR ELECTRICAL	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	



first floor lobby plan

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

BUILDINGS ONE, TWO, FOUR, AND FIVE

935-7053

NEW RESIDENCE HALL COMMUNITY
ARKANSAS STATE UNIVERSITY

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BRACKETT KRENNERICH

REGISTERED ARCHITECTS
ARKANSAS
9 NOV 05

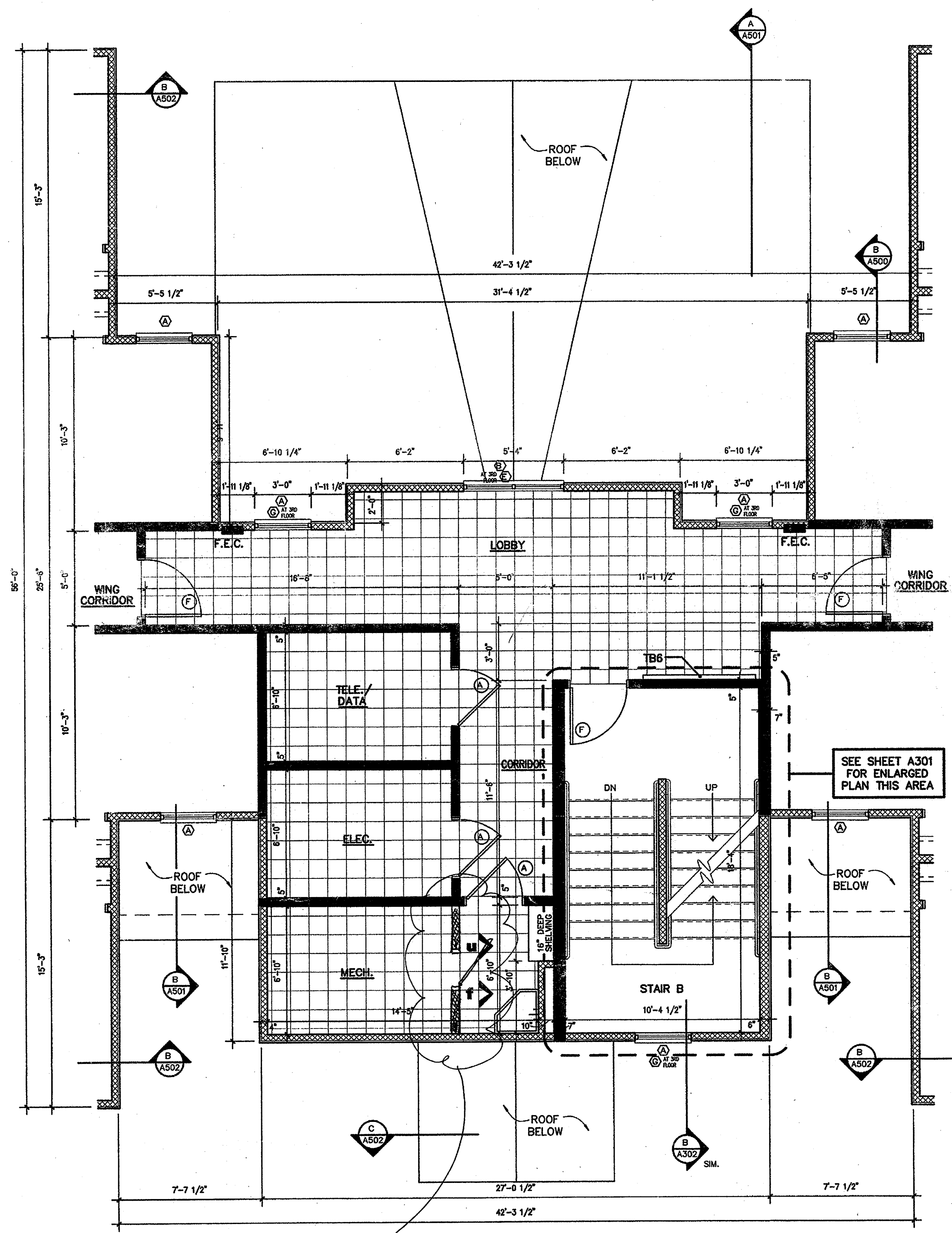
BUILDING ON BUILDING TWO BUILDING FOUR BUILDING FIVE ENLARGED FLOOR PLANS

Commission Number 10404R

A10

Date: November 5,

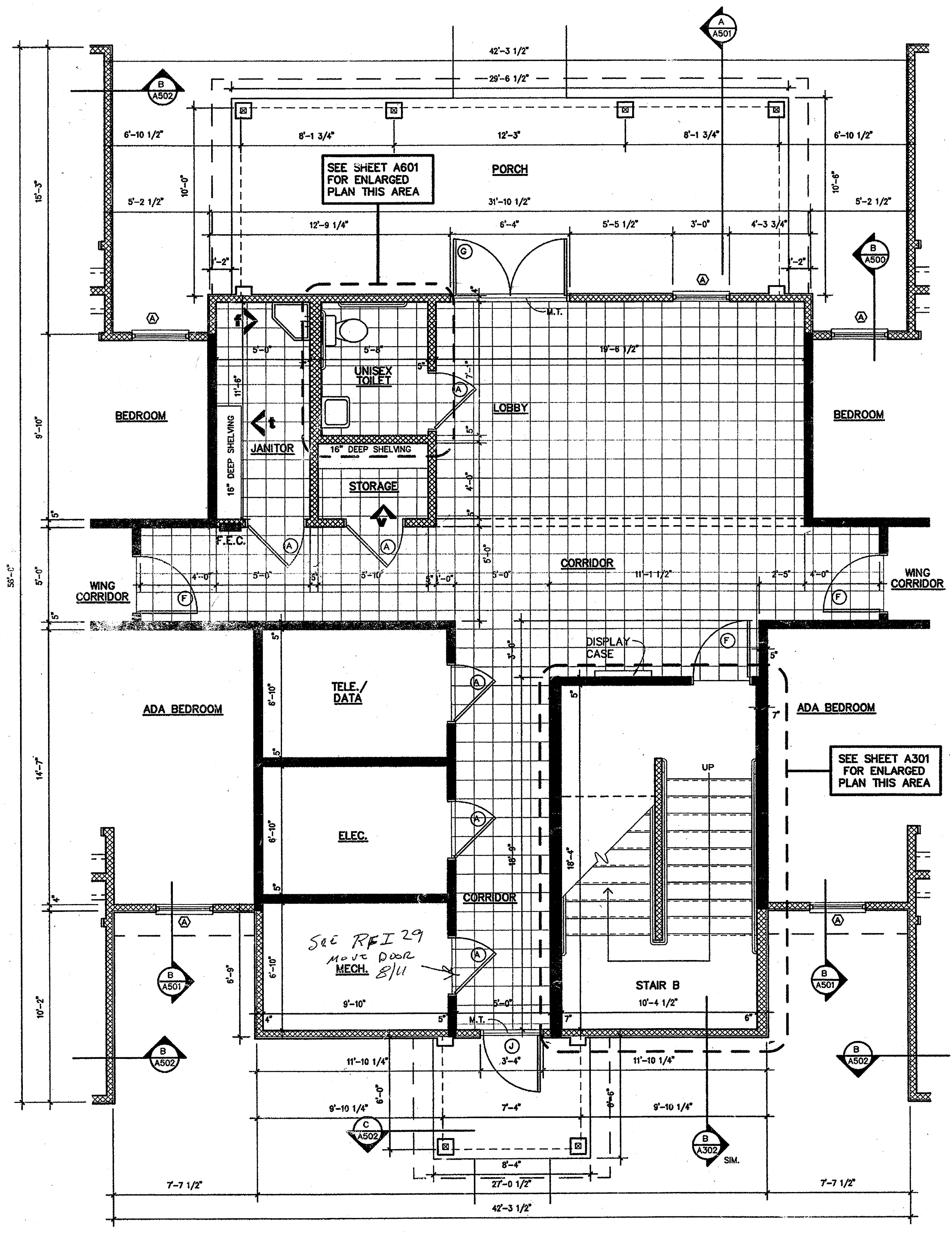
ROOM FINISH SCHEDULE						
ROOM NAME	FLOOR	BASE	WALLS	CEILING HEIGHT	CEILING	REMARKS
1st FLOOR LOBBY	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	PAINTED GYPSUM BOARD (1)	(1) KNOCK DOWN ORANGE PEEL FINISH ALL WALLS AND CEILING
2nd FLOOR LOBBY	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	2x2 SUSPENDED ACOUSTICAL	
CORRIDORS	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	2x2 SUSPENDED ACOUSTICAL	
WING CORRIDOR	CARPET	RUBBER	PAINTED GYPSUM BOARD (1)	9'-0"	2x2 SUSPENDED ACOUSTICAL	
STAIRS A B C	EXPOSED CONCRETE	RUBBER	PAINTED GYPSUM BOARD (1)	VARIABLE	PAINTED GYPSUM BOARD (1)	
JANITOR	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
UNISEX TOILET	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	2x2 SUSPENDED ACOUSTICAL	
STORAGE	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	2x2 SUSPENDED ACOUSTICAL	
1st FLOOR TELE/DATA	EXPOSED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
1st FLOOR MECHANICAL	EXPOSED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
1st FLOOR ELECTRICAL	EXPOSED CONCRETE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
2nd FLOOR TELE/DATA	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
2nd FLOOR MECHANICAL	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	
2nd FLOOR ELECTRICAL	VINYL TILE	RUBBER	PAINTED GYPSUM BOARD	9'-0"	PAINTED GYPSUM BOARD	



SAME TYPE OF CHANGES AS SHOWN ON A105

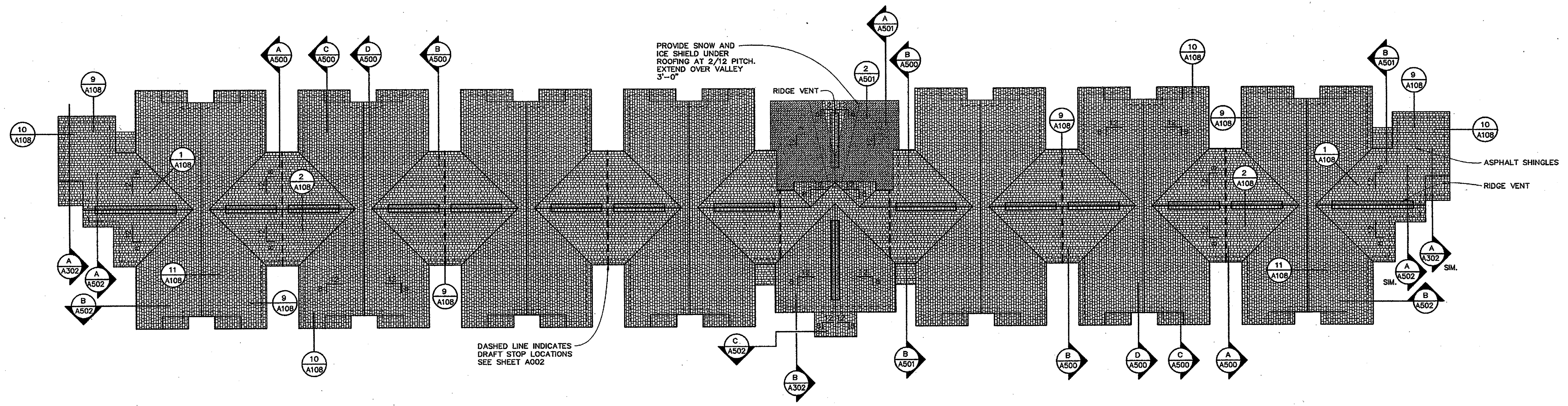
second and third floor lobby plan

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



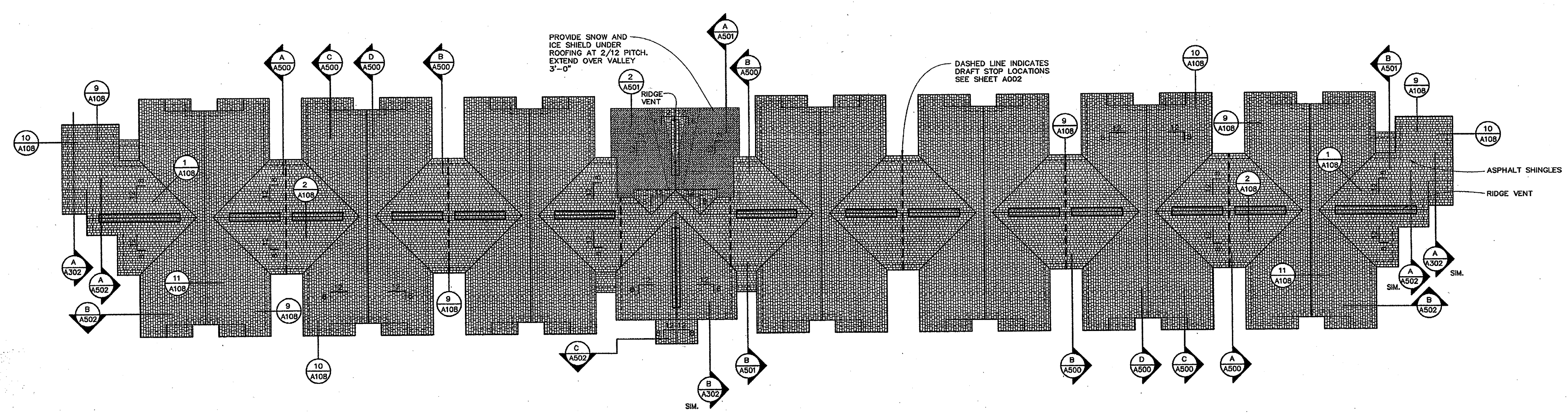
first floor lobby plan

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



roof plan
SCALE: 1/16" = 1'-0"

BUILDINGS ONE, TWO, FOUR, AND FIVE



roof plan
SCALE: 1/16" = 1'-0"

BUILDING THREE

MASTER CABINET - INC. YES
 FED TAX ID. - 71-0742202

**BRACKETT
 KRENNERICH**
 architects

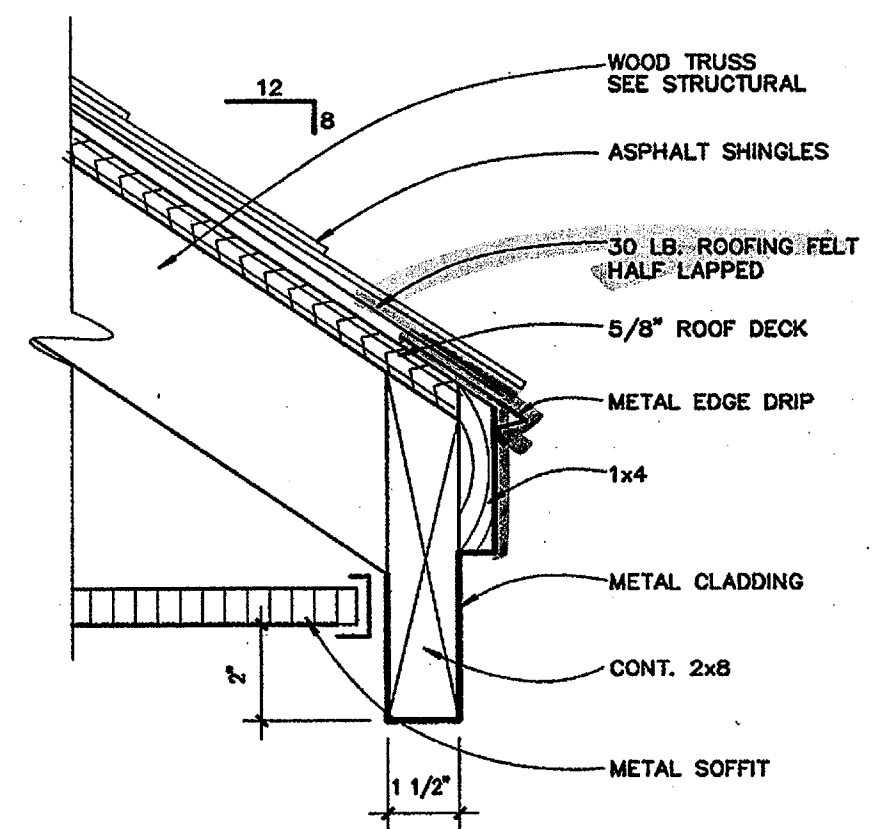
100 East Huntington Avenue, Suite D
 P.O. Box 1655 Jonesboro, AR 72403-1655
 (870) 932-0571 • (870) 932-0975 fax
 email: jerry@bkarchts.com
 george@bkarchts.com

DATE: July 29, 2005
 TO: Dave Dancer
 Baldwin & Shell
 FROM: Jerry Brackett
 RE: Blocking
 New Residence Hall Community
 Arkansas State University

Dave:
 Blocking at all ridges and valleys is required per general note in plans. Steve Harrison with ECI recommends beveling blocking at valley to give a good surface to fasten roof decking too. He also approved running the ridge blocking continuous to provide room for the ridge vent to function properly. See attached details.

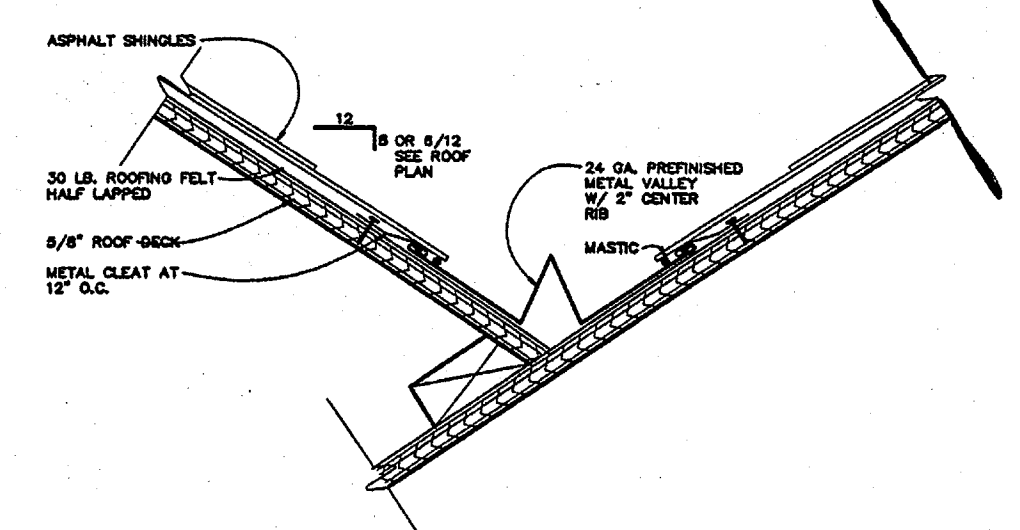
Please contact our office if you have any questions.

JWB/jcf

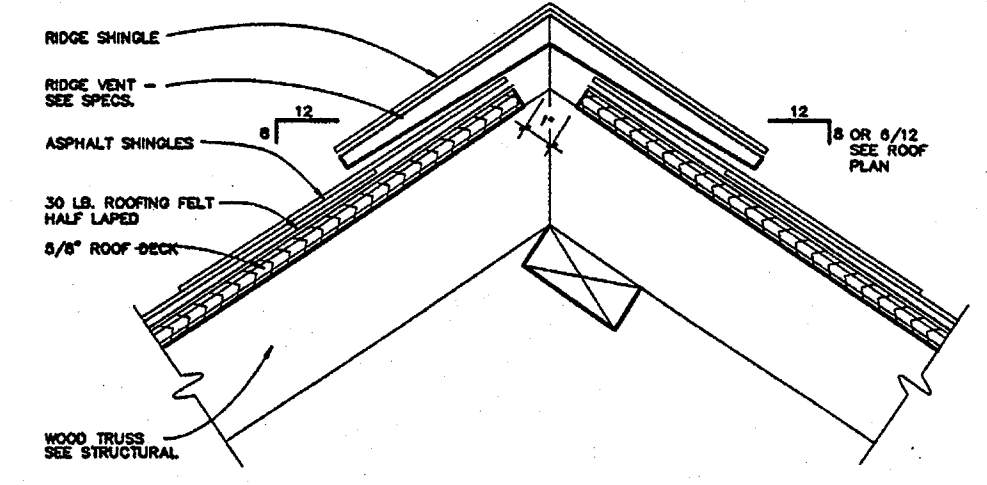


detail at fascia 7
 SCALE: 3" = 1'-0"

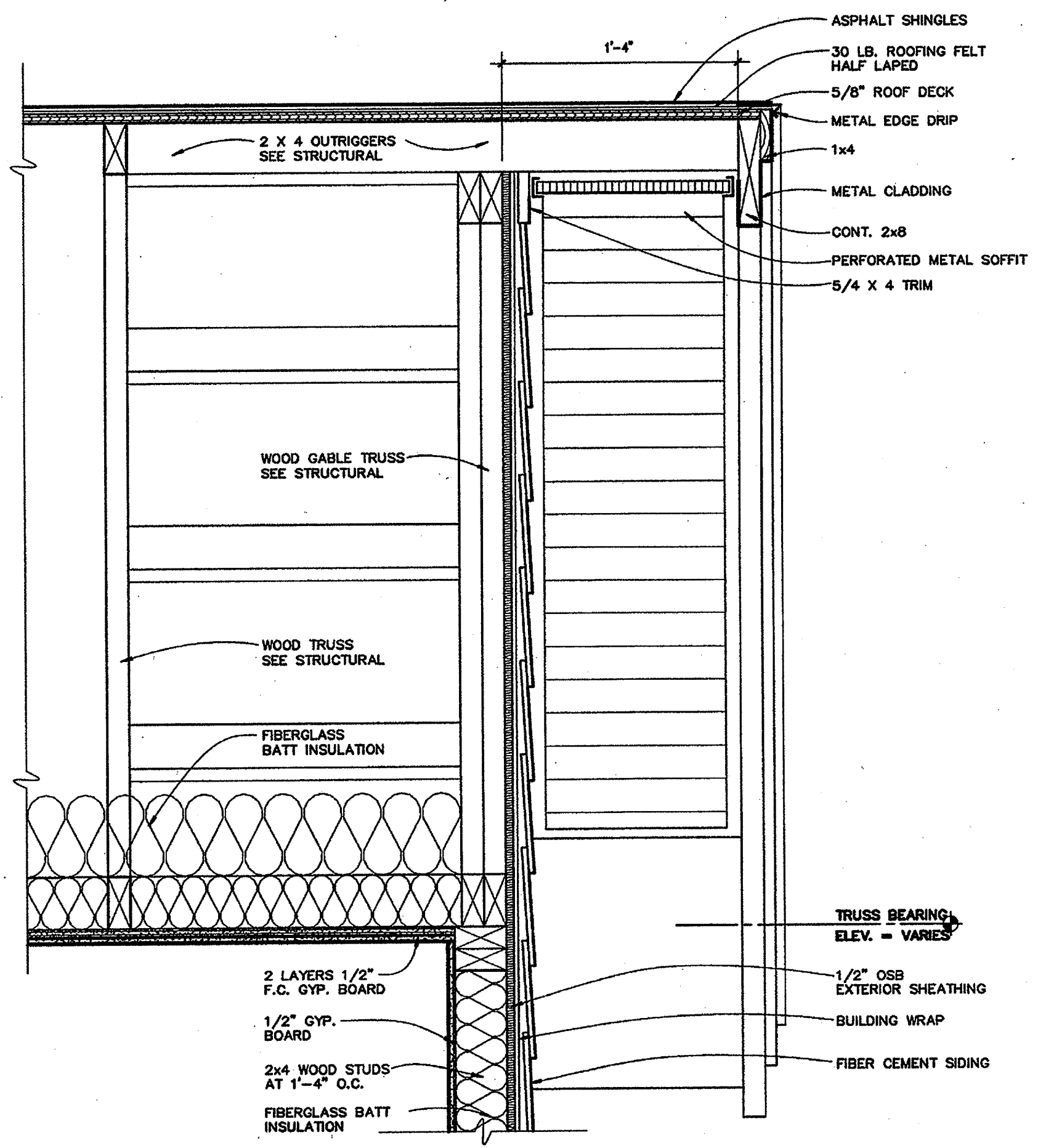
detail omitted 4
 SCALE: 3" = 1'-0"



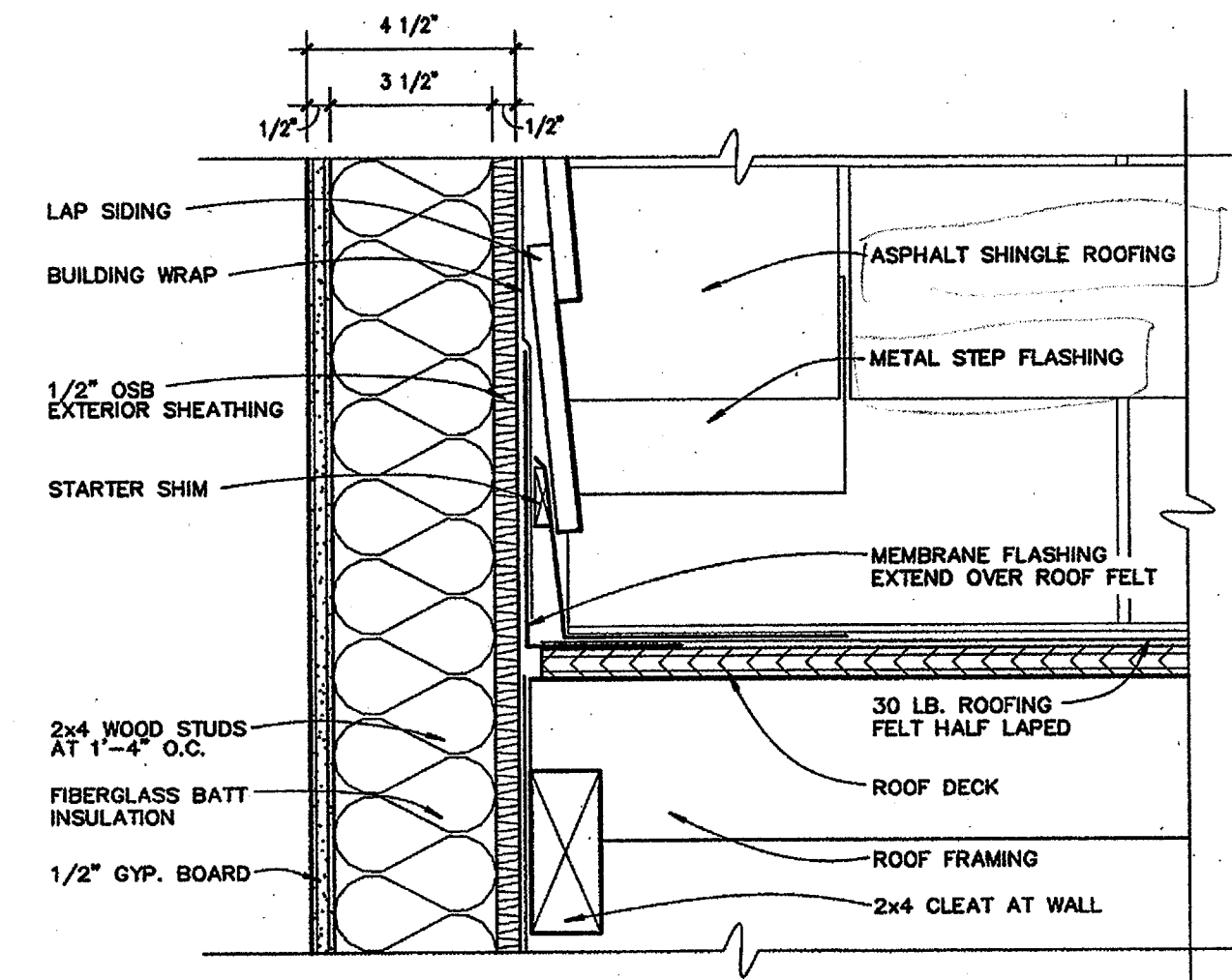
valley detail 1
 SCALE: 3" = 1'-0"



detail at ridge vent 2
 SCALE: 3" = 1'-0"



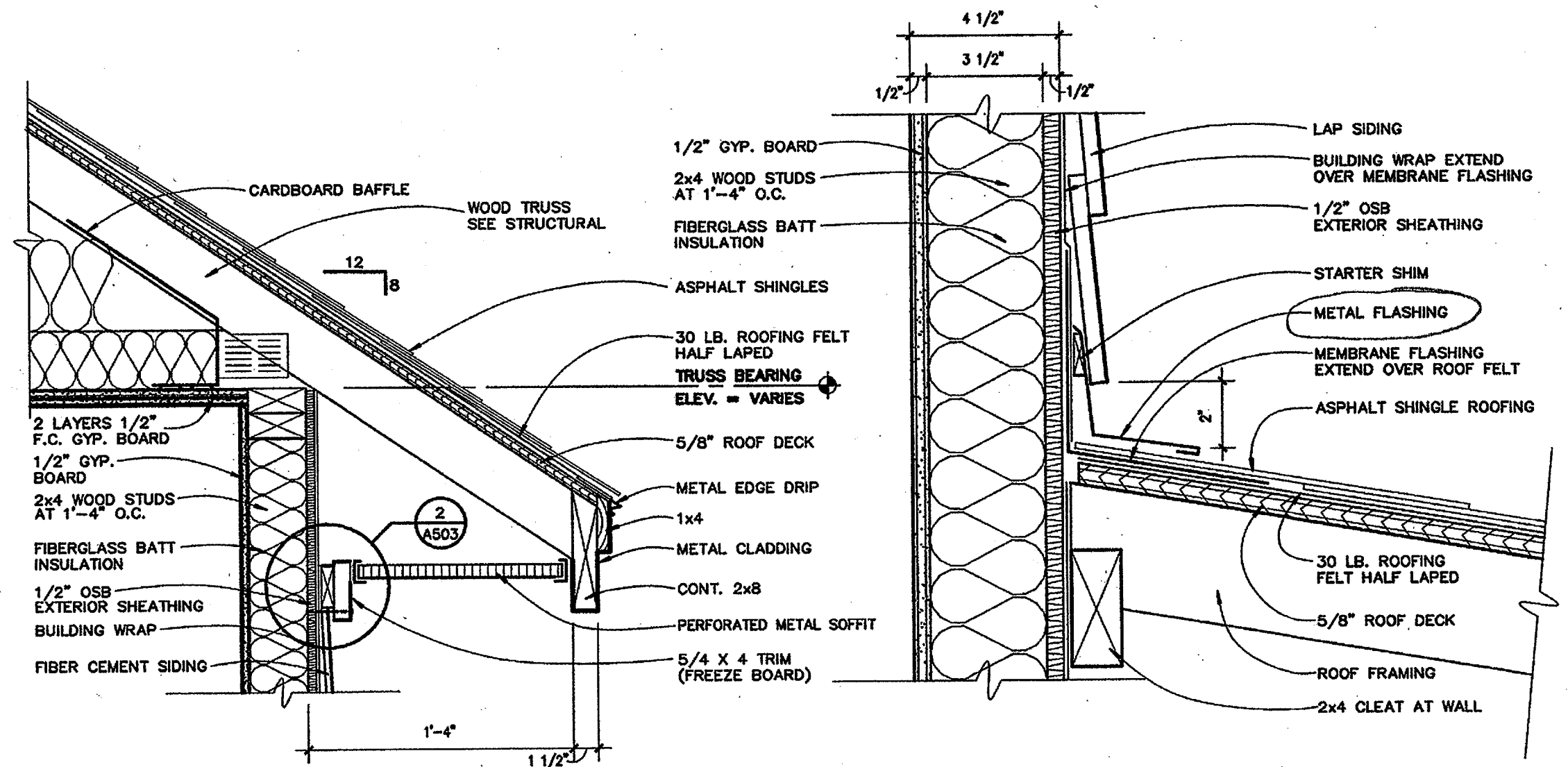
rake detail 10
 SCALE: 1 1/2" = 1'-0"



detail at wall to roof transition 5
 SCALE: 3" = 1'-0"

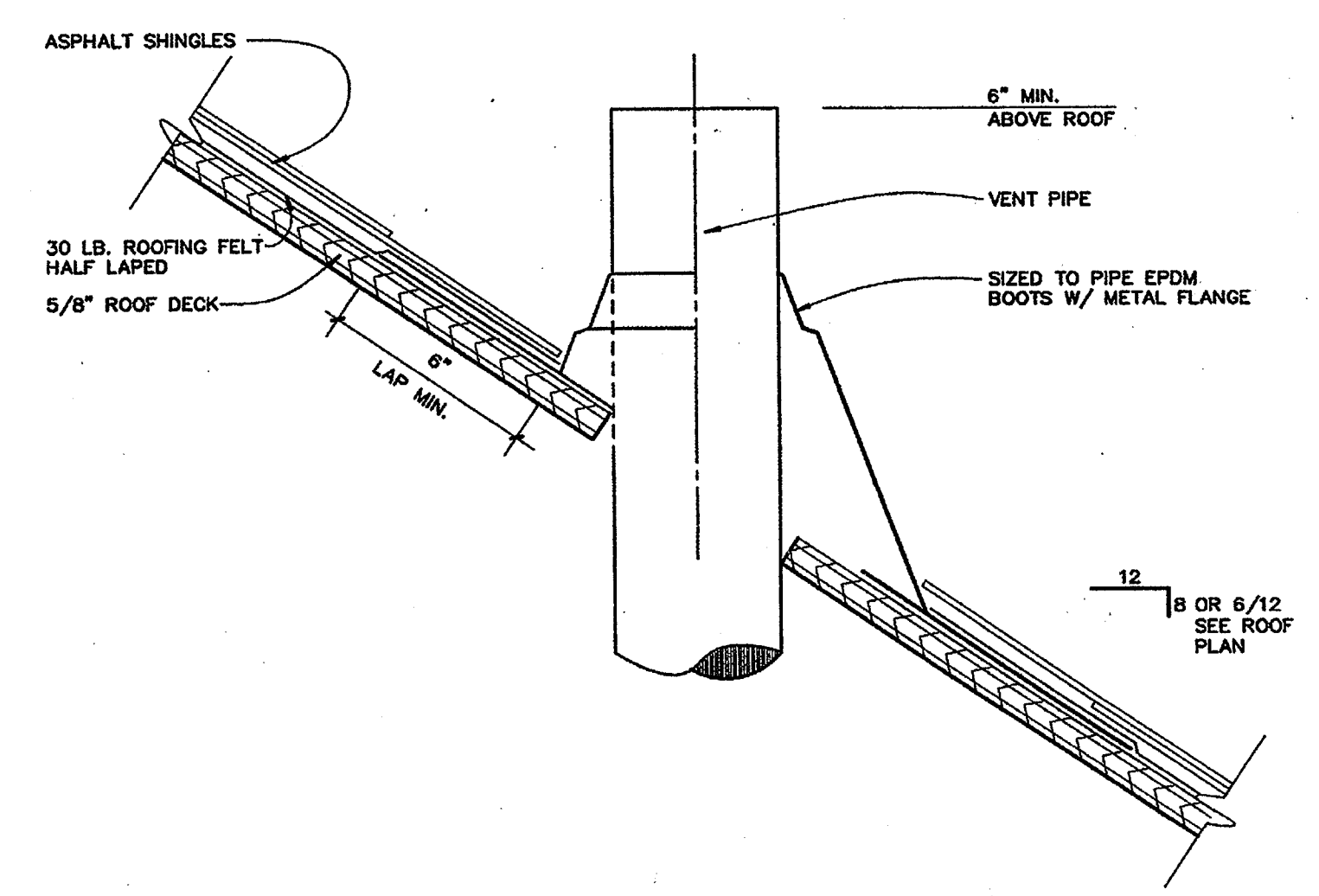
detail at ridge vent 2
 SCALE: 3" = 1'-0"

detail omitted 8
 SCALE: 3" = 1'-0"

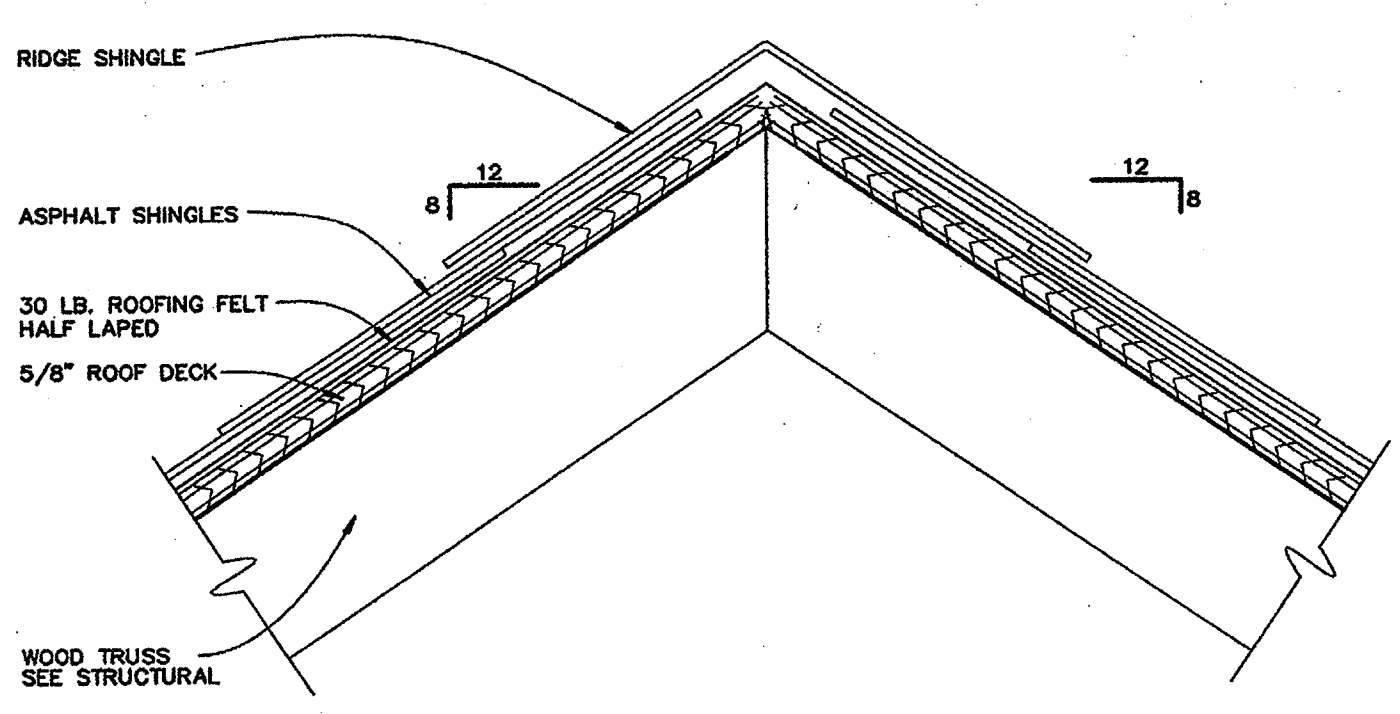


fascia detail at eave 9
 SCALE: 1 1/2" = 1'-0"

detail at wall to roof transition 6
 SCALE: 3" = 1'-0"



vent through roof detail 3
 SCALE: 3" = 1'-0"



ridge detail 11
 SCALE: 3" = 1'-0"

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 KRENNERICH

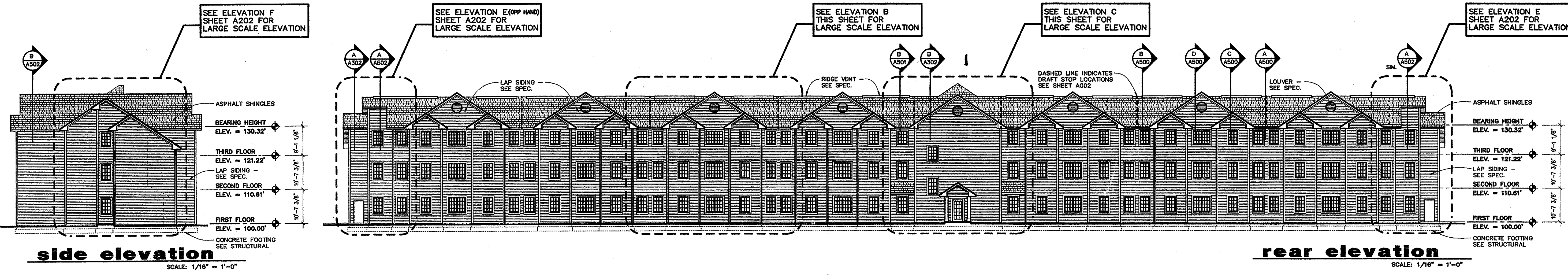
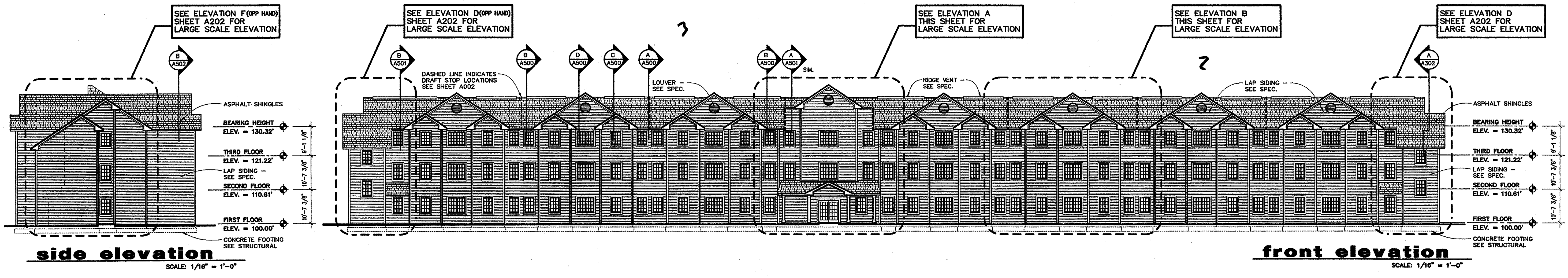
REGISTERED
 ARCHITECTS
 C38
 ARKANSAS
 10/19/05

ROOF DETAIL

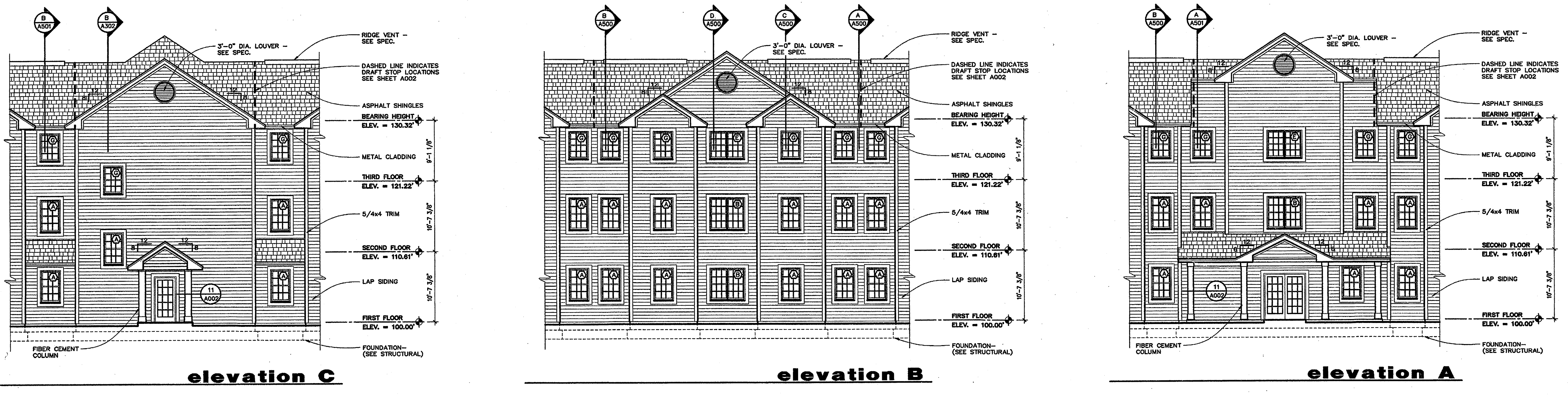
Commission No.
 10404R

A10

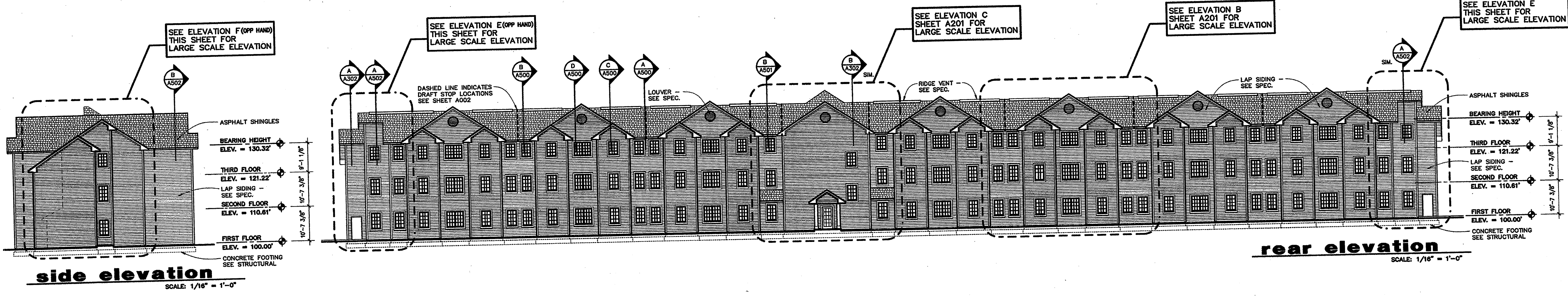
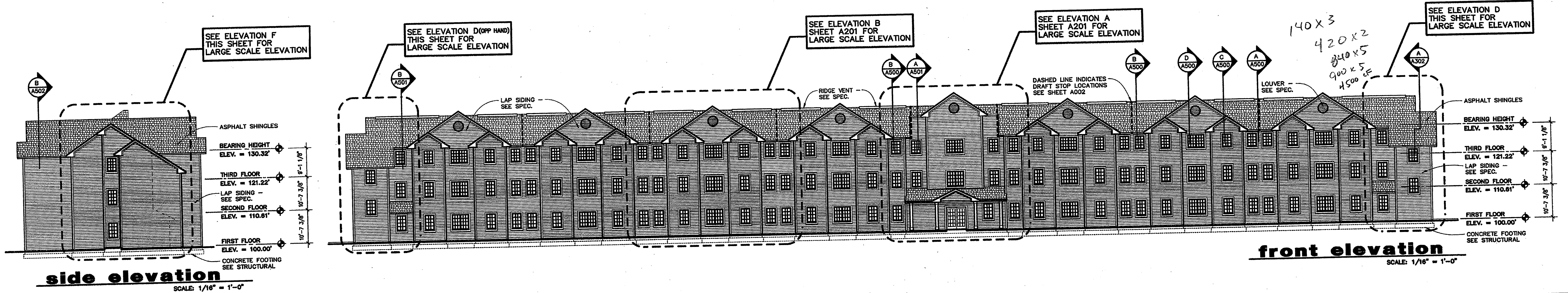
Date: November



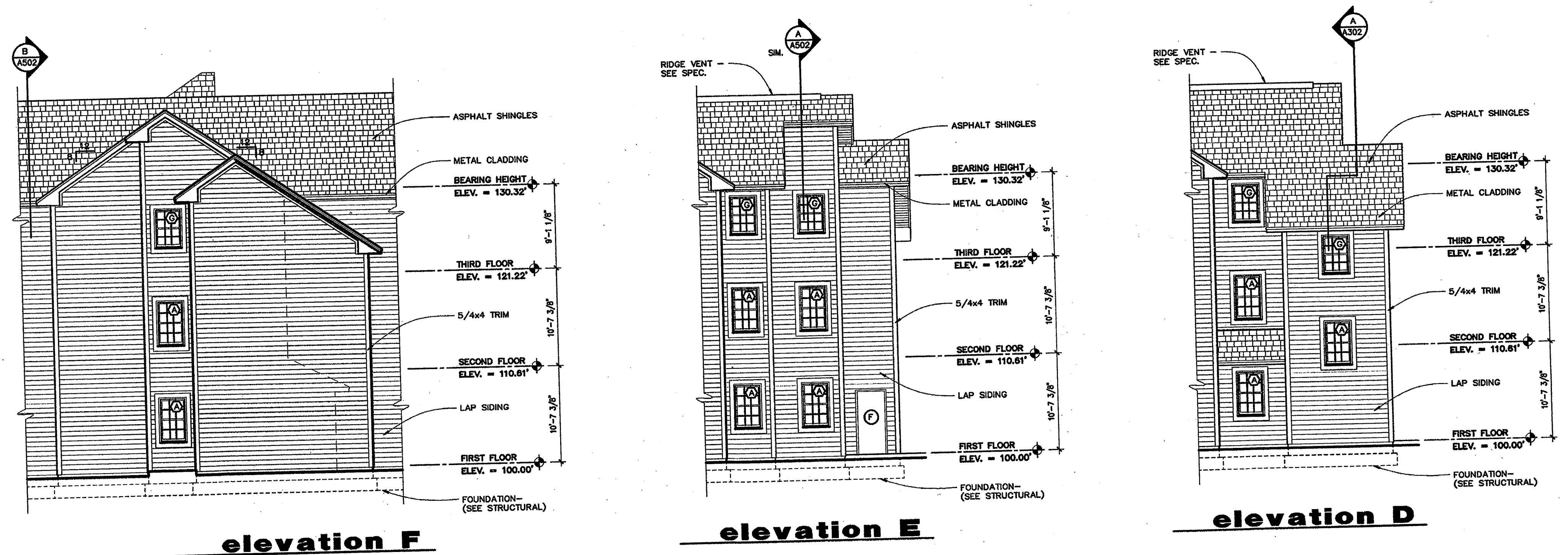
BUILDINGS ONE, TWO, FOUR, AND FIVE



partial large scale elevations
SCALE: 1/8" = 1'-0"



BUILDINGS THREE



partial large scale elevations

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

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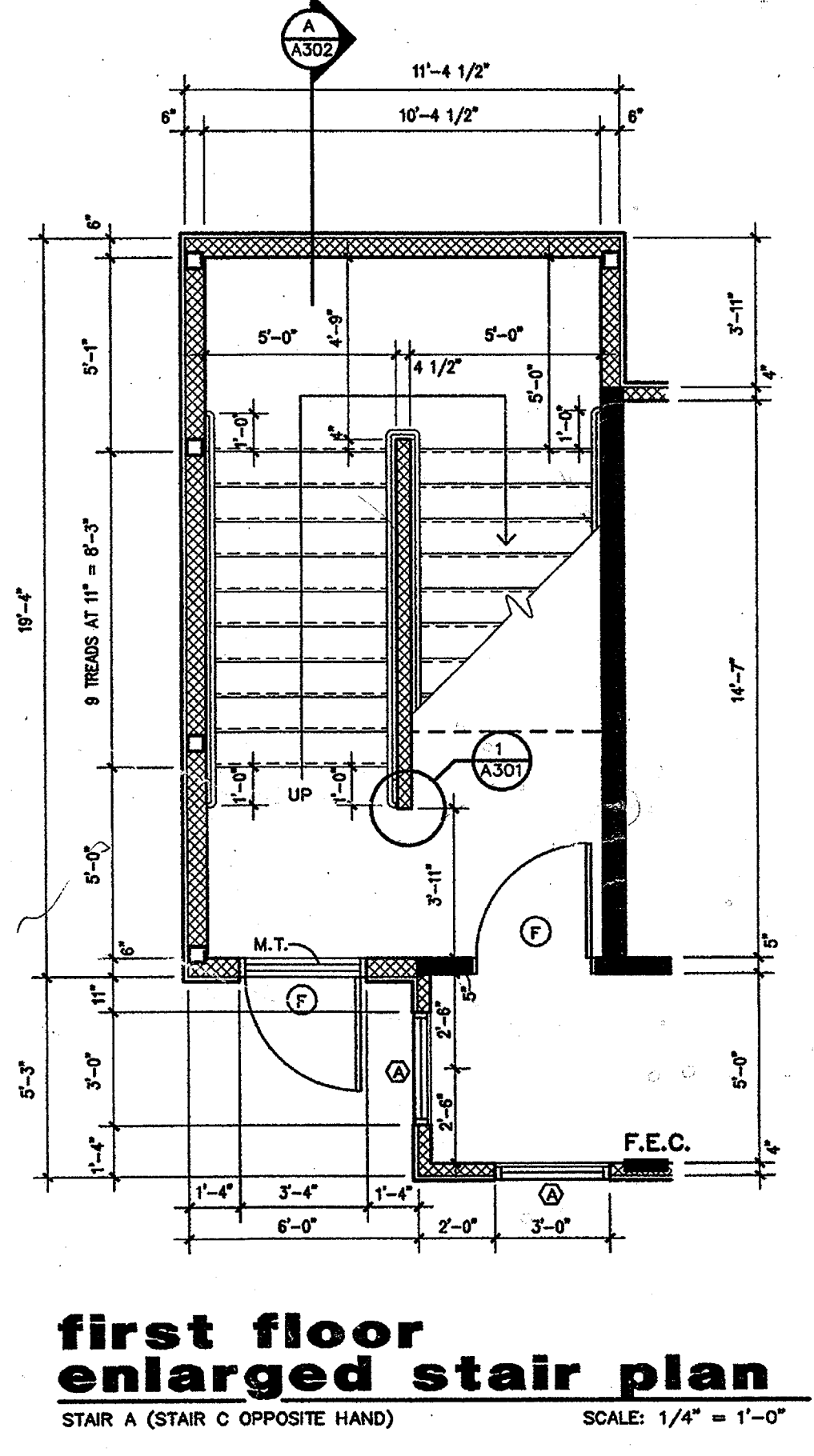
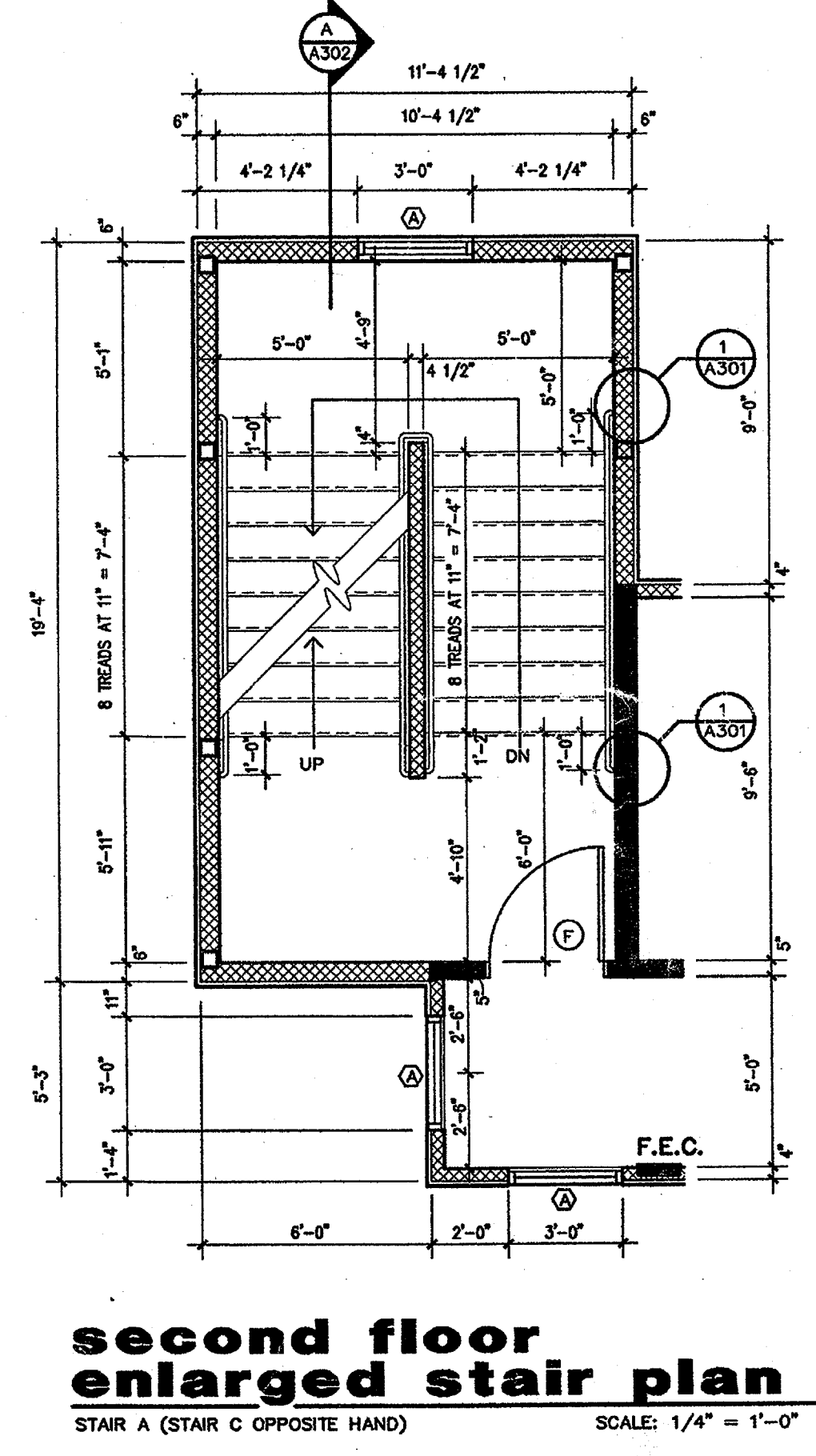
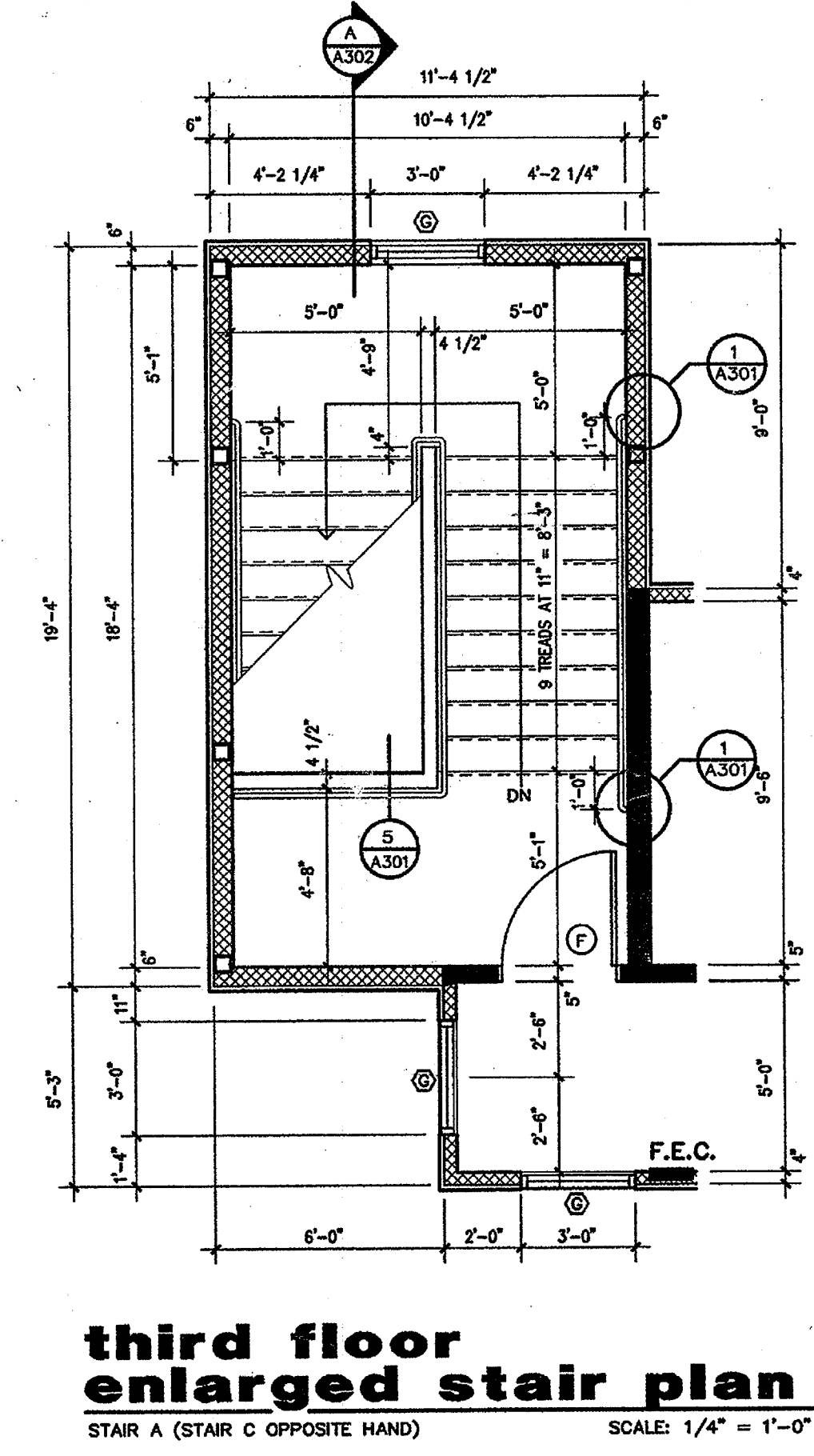
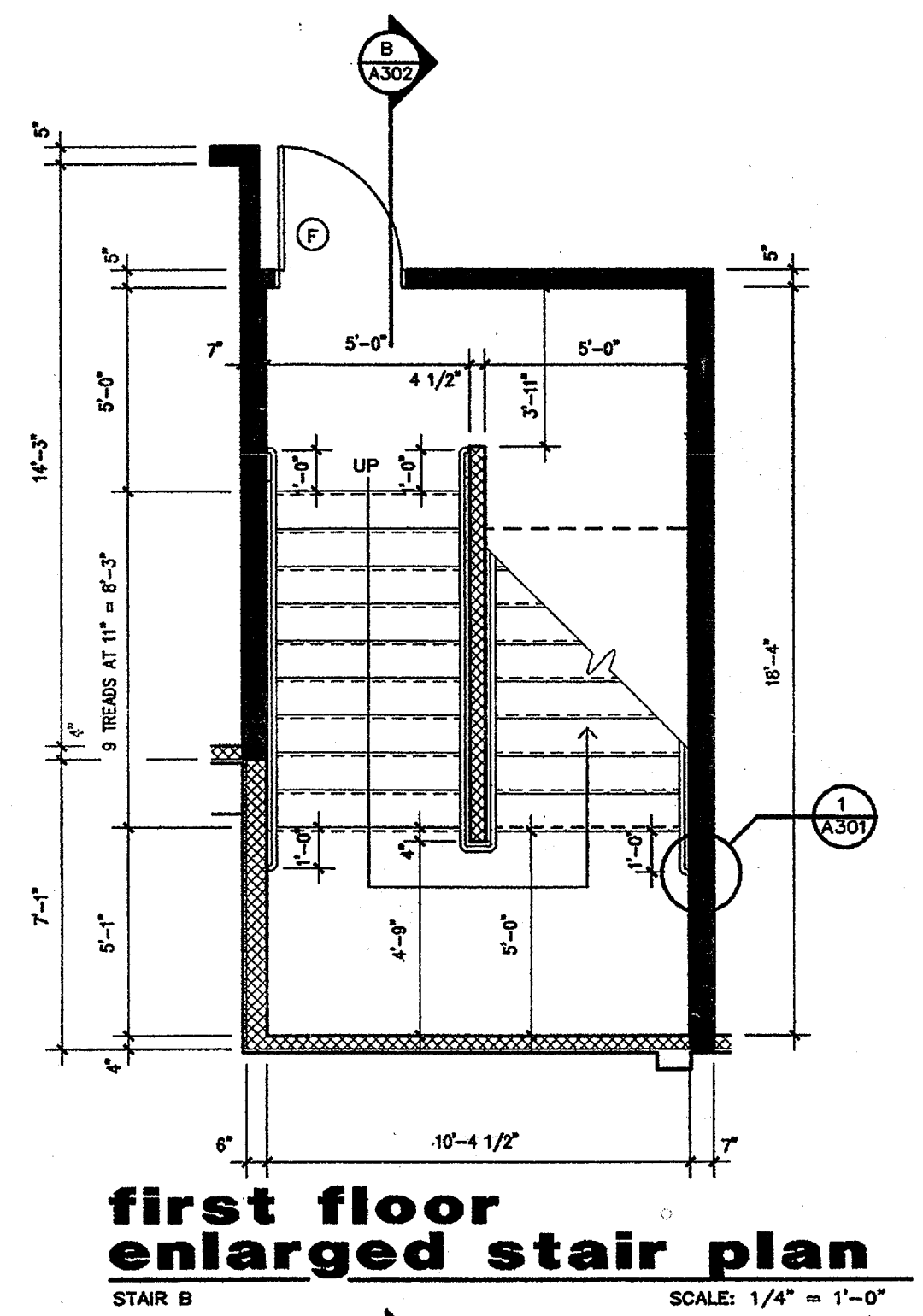
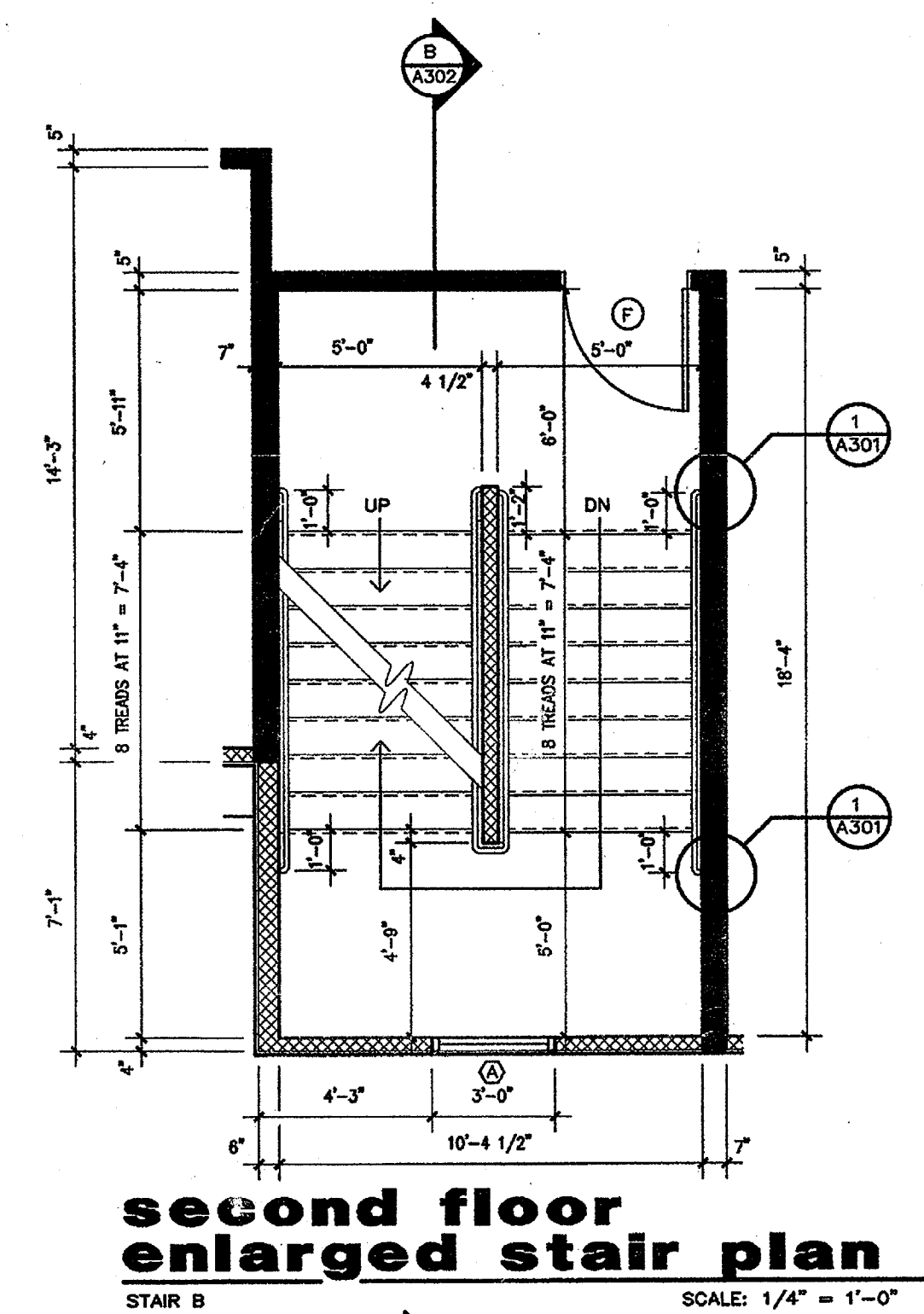
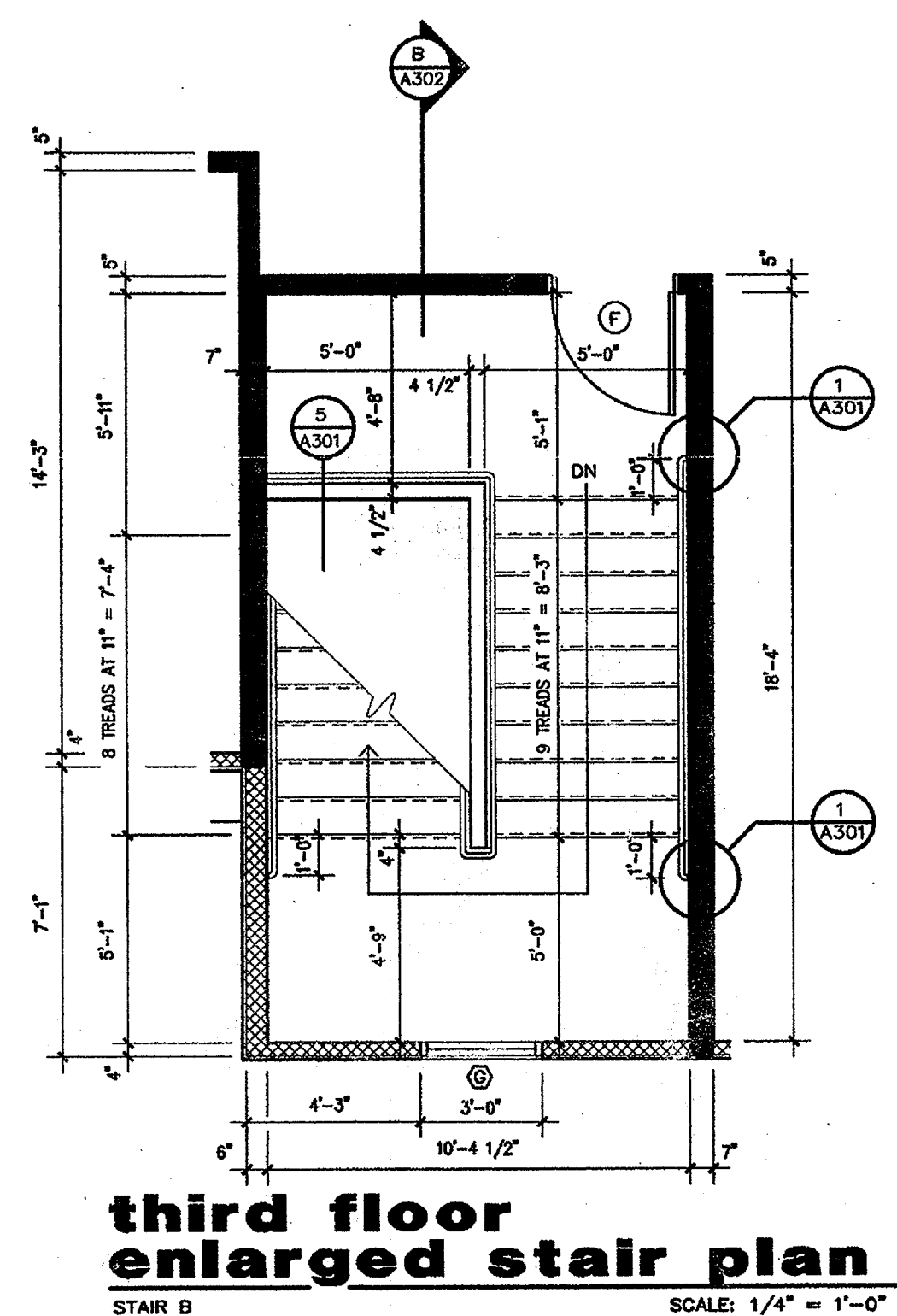
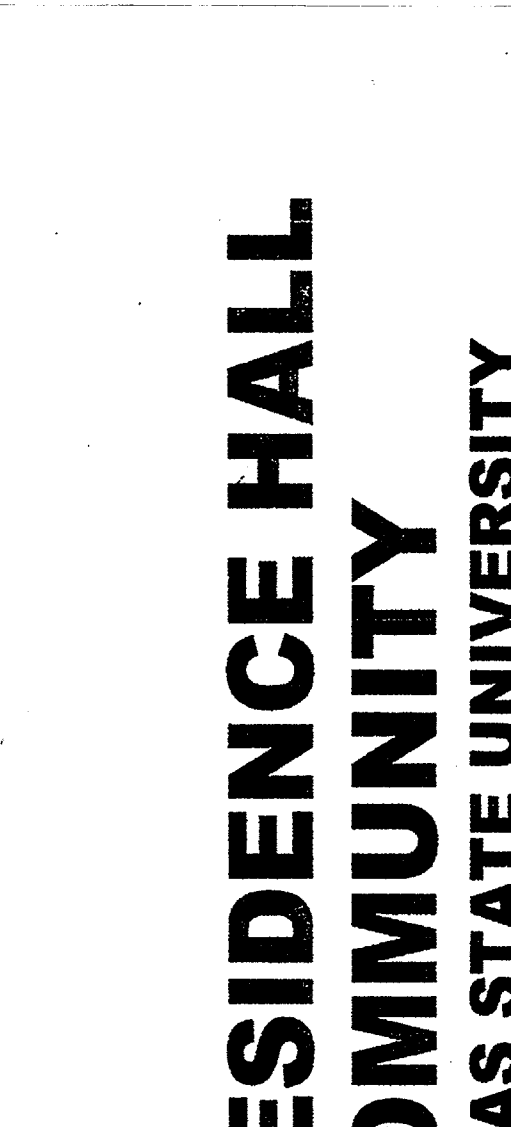
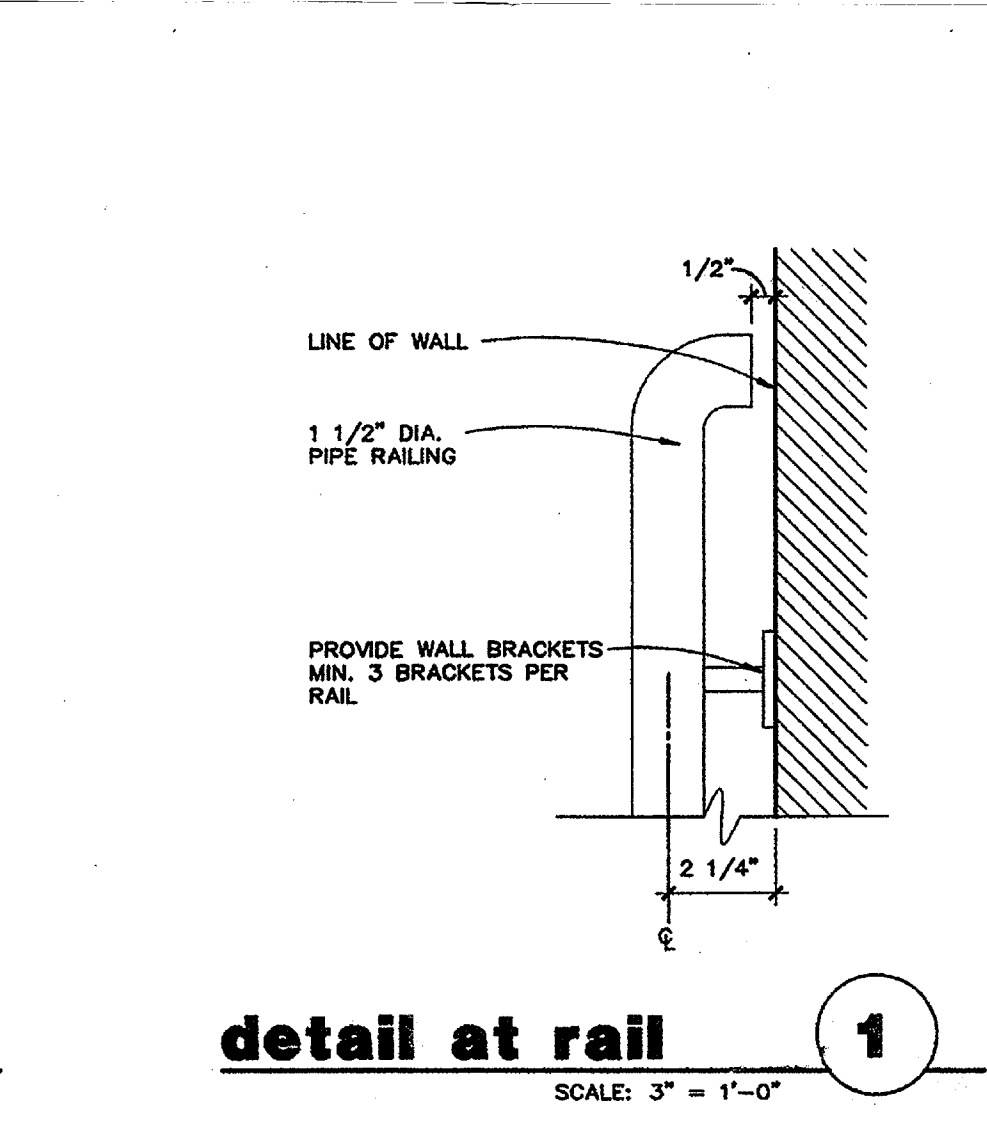
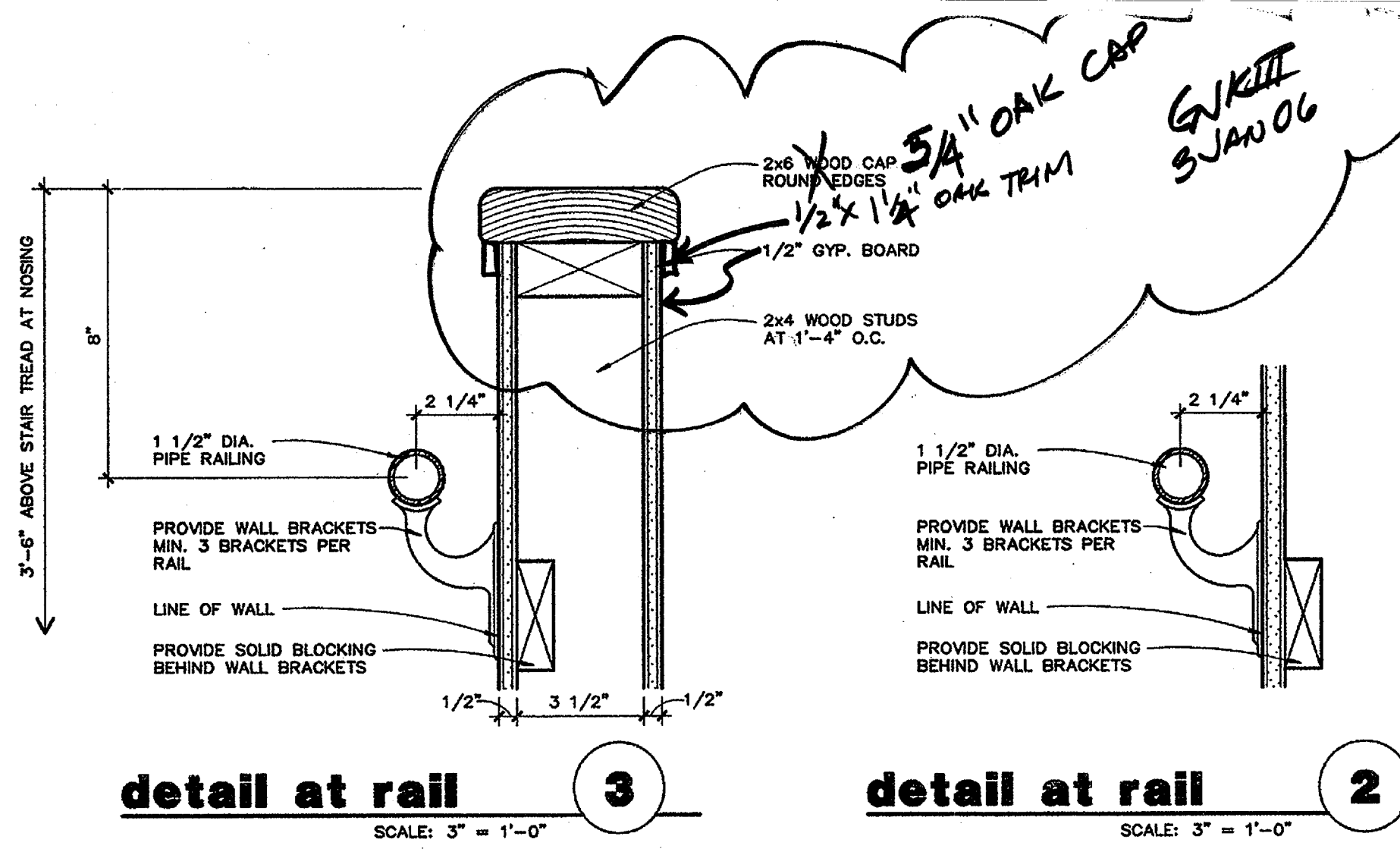
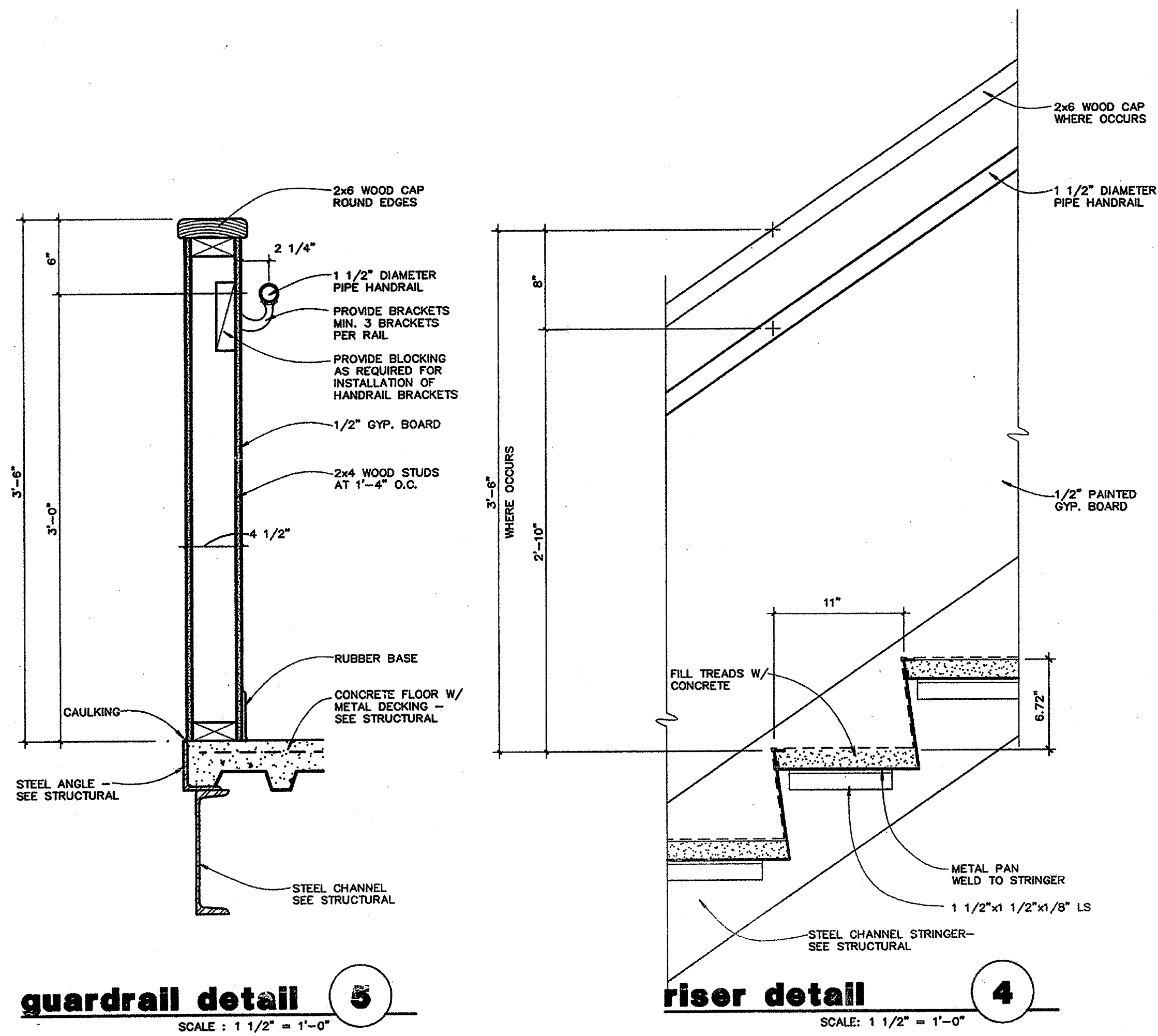
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KRENNERICH

REGISTERED ARCHITECT
ARKANSAS
7-10-11

Commission 1040
A2
Date: Novem



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ARKANSAS STATE UNIVERSITY**

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**BRACKETT
KRENNERICH**

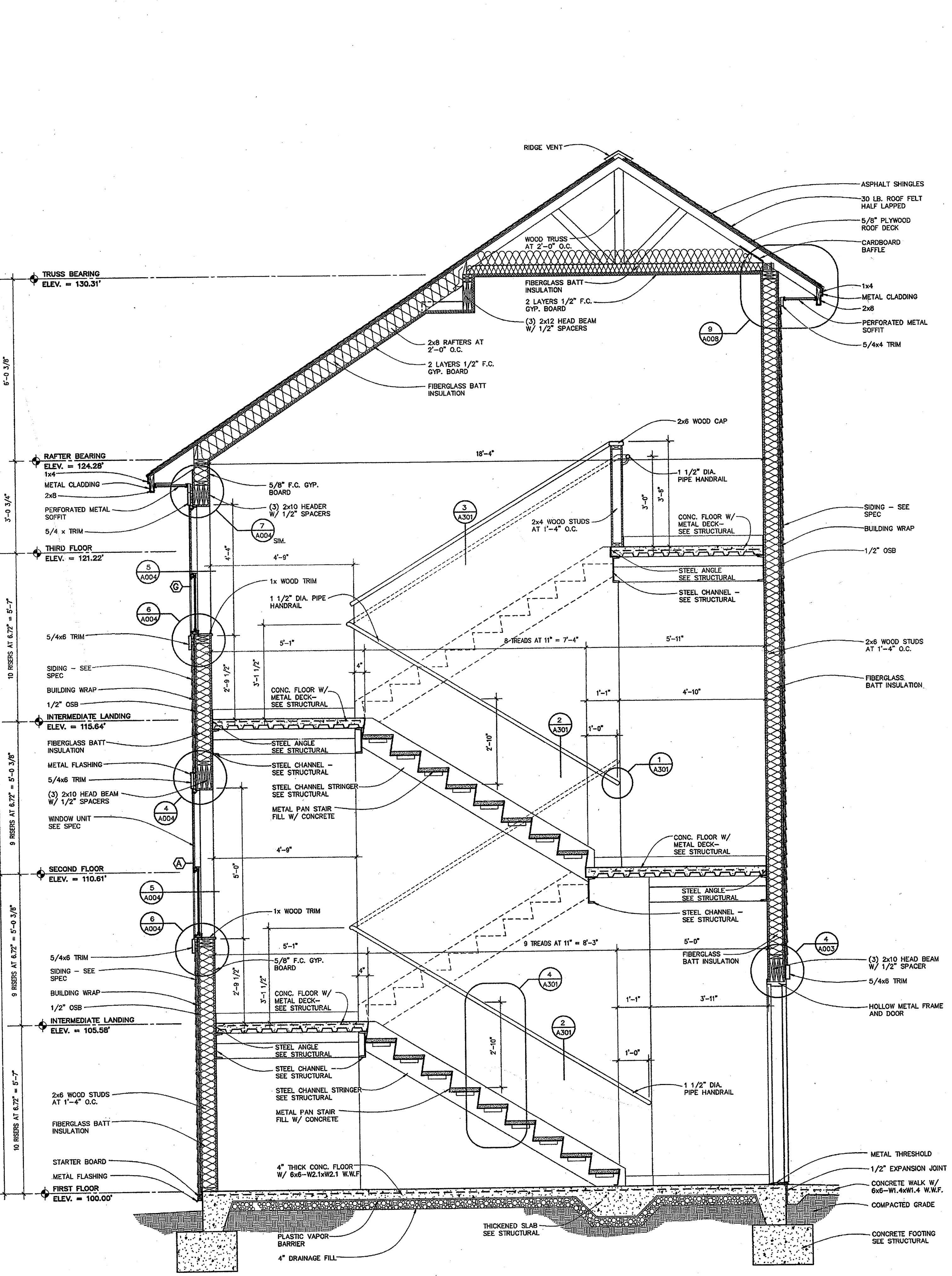
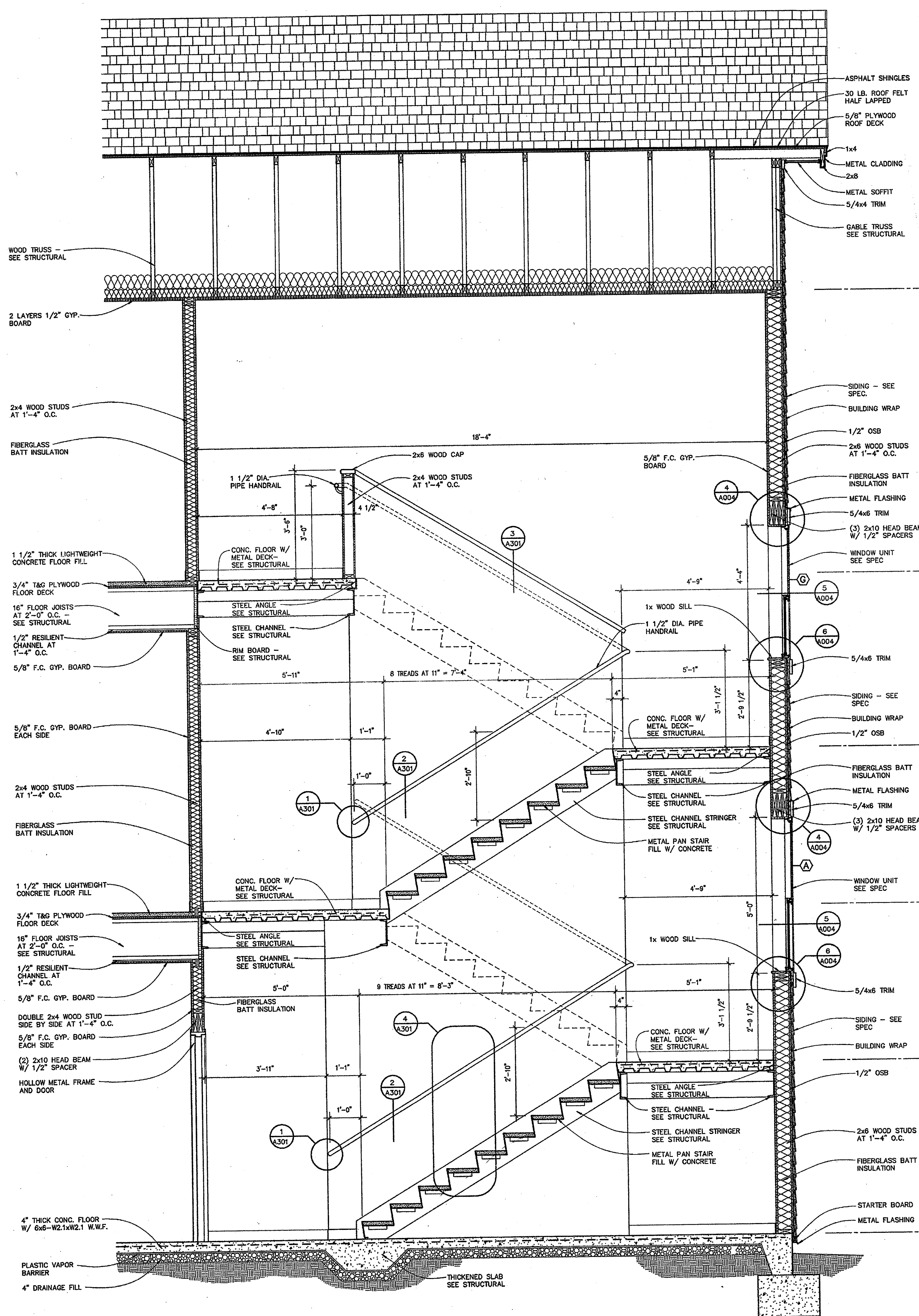
BRACKETT-KRENNERICH & ASSOCIATES
REGISTERED ARCHITECTS
ARKANSAS
9 NOV 04

ENLARGED STAIR PLANS

Commission Number
10404R

A30

Date: November 5



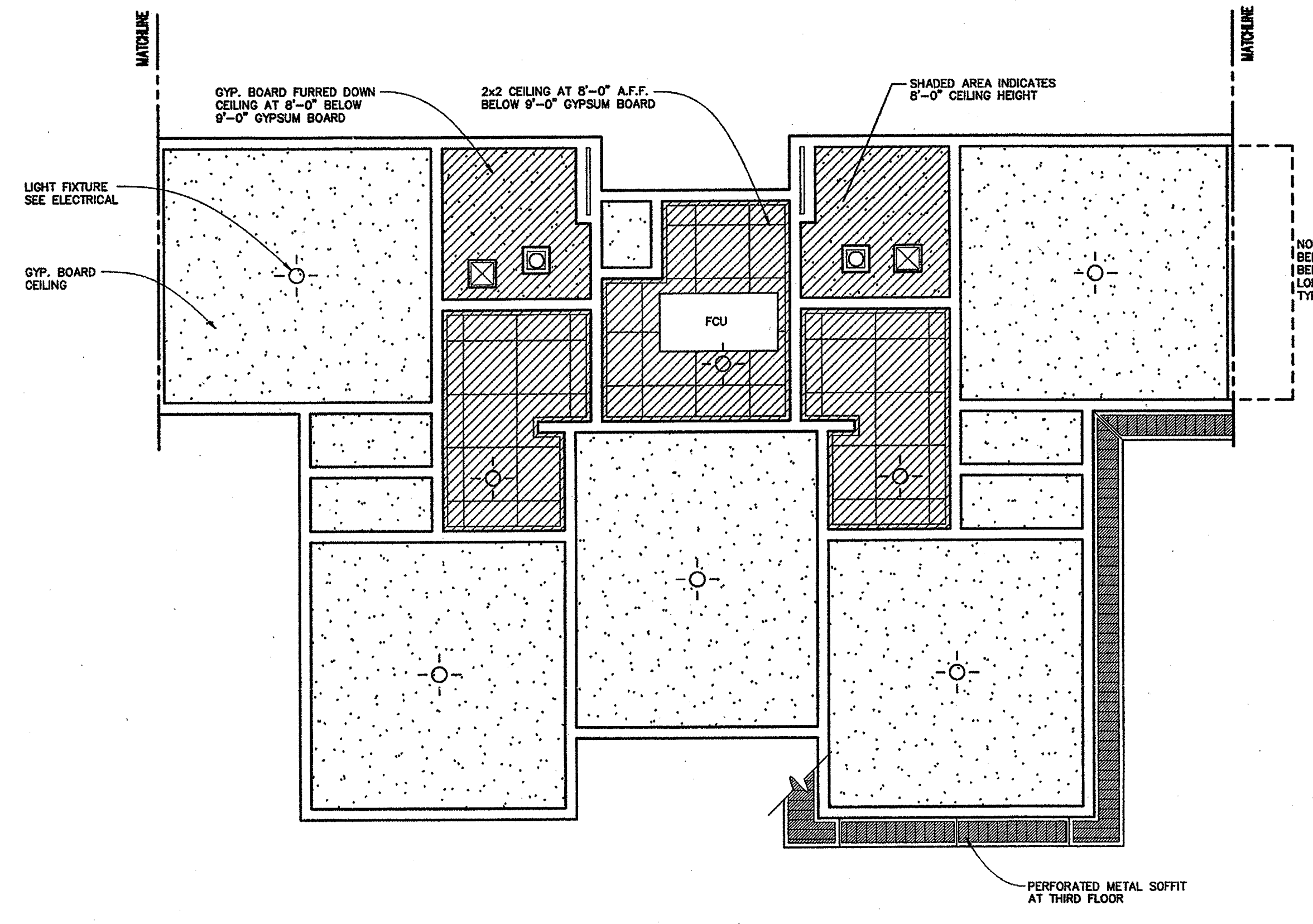
stair section

stair section

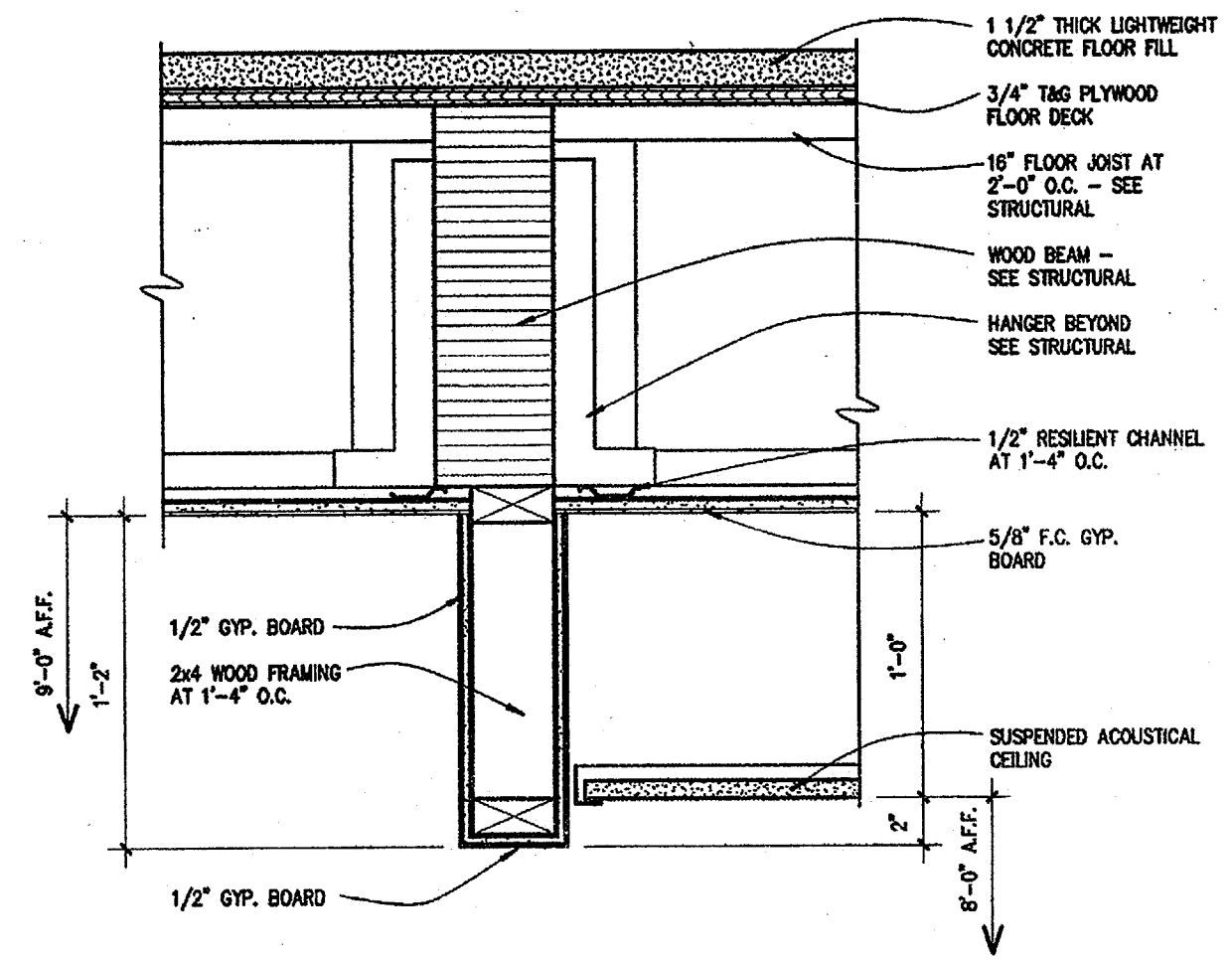
1044
4
10/8

LEGEND

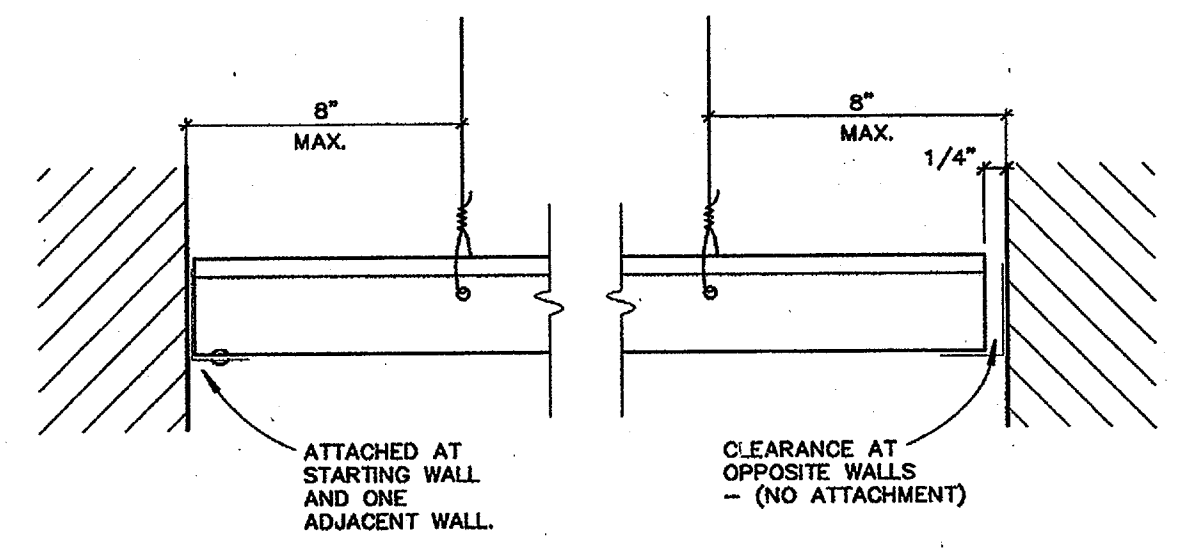
ARCHITECTURAL	
	2x2 SUSPENDED ACOUSTICAL CEILING SYSTEM
	GYPSUM BOARD
	OPEN TO STRUCTURE ABOVE
MECHANICAL	
	EXHAUST FAN
	SUPPLY AIR GRILLE
SEE MECHANICAL PLAN FOR FURTHER DETAILS AND INFO.	
ELECTRICAL	
	INCANDESCENT LIGHT FIXTURE
SEE LIGHTING PLAN FOR FURTHER DETAILS AND INFO.	



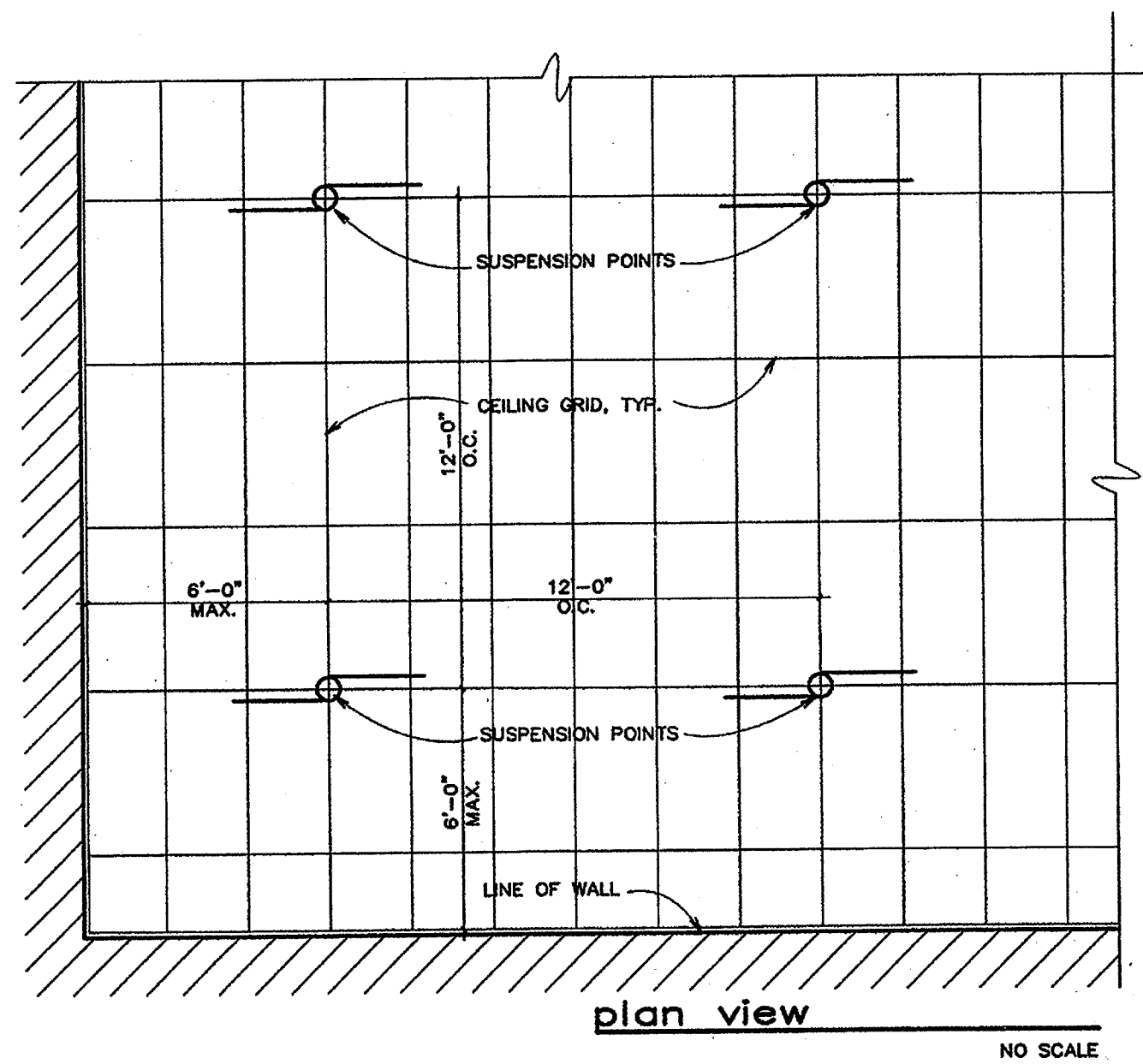
**quad suite
reflected ceiling plan**
SCALE: 1/4" = 1'-0"



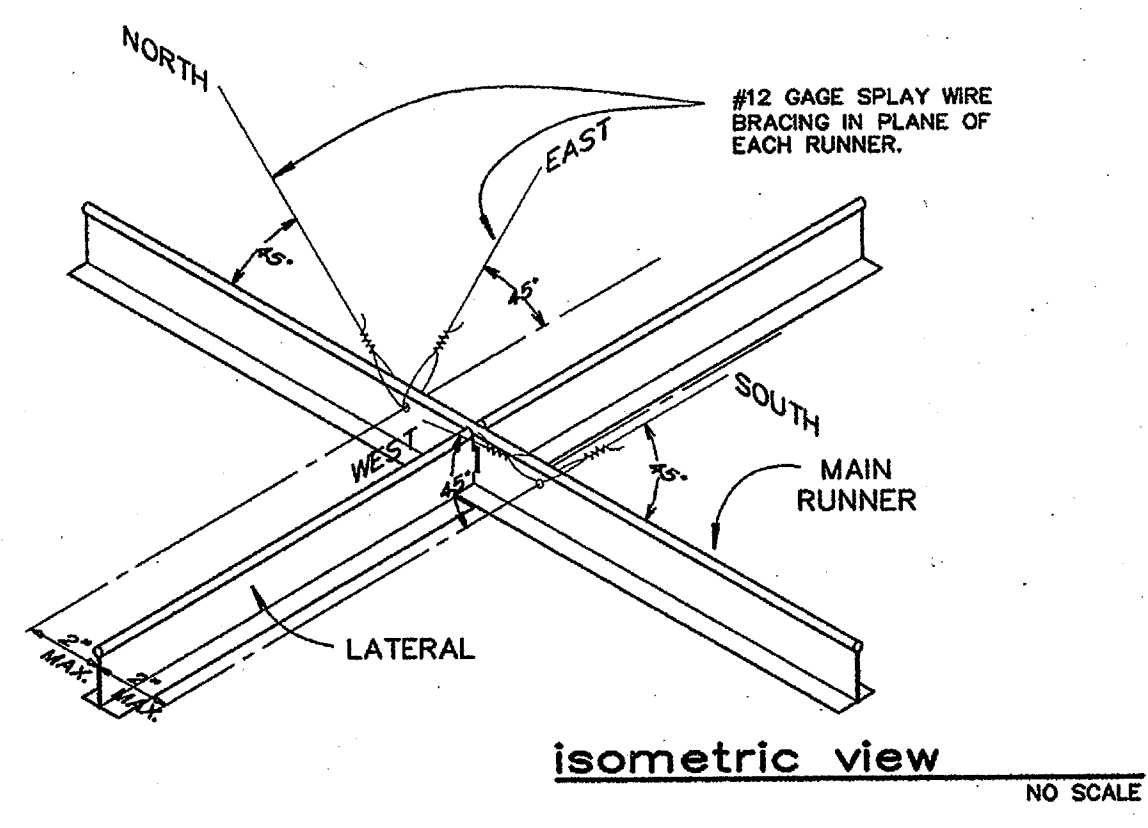
bulkhead detail
SCALE: 1 1/2" = 1'-0"



runners at walls
NO SCALE



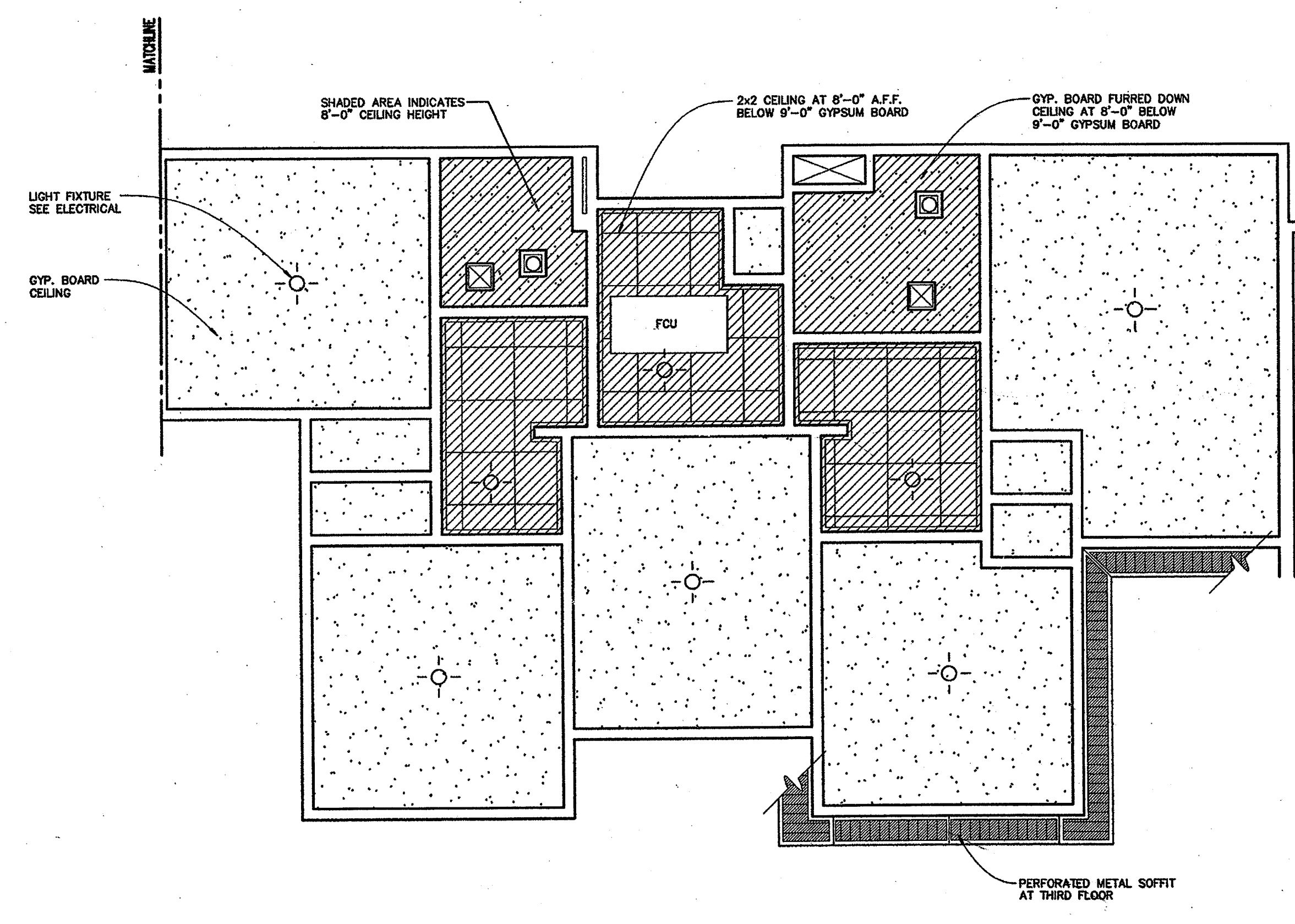
plan view
NO SCALE



isometric view
NO SCALE

NOTE: CEILINGS OF 144 SQ. FT. OR LESS, SURROUNDED BY WALLS THAT CONNECT DIRECTLY TO THE STRUCTURE ABOVE, ARE EXCLUDED FROM THIS RECOMMENDED PRACTICE.

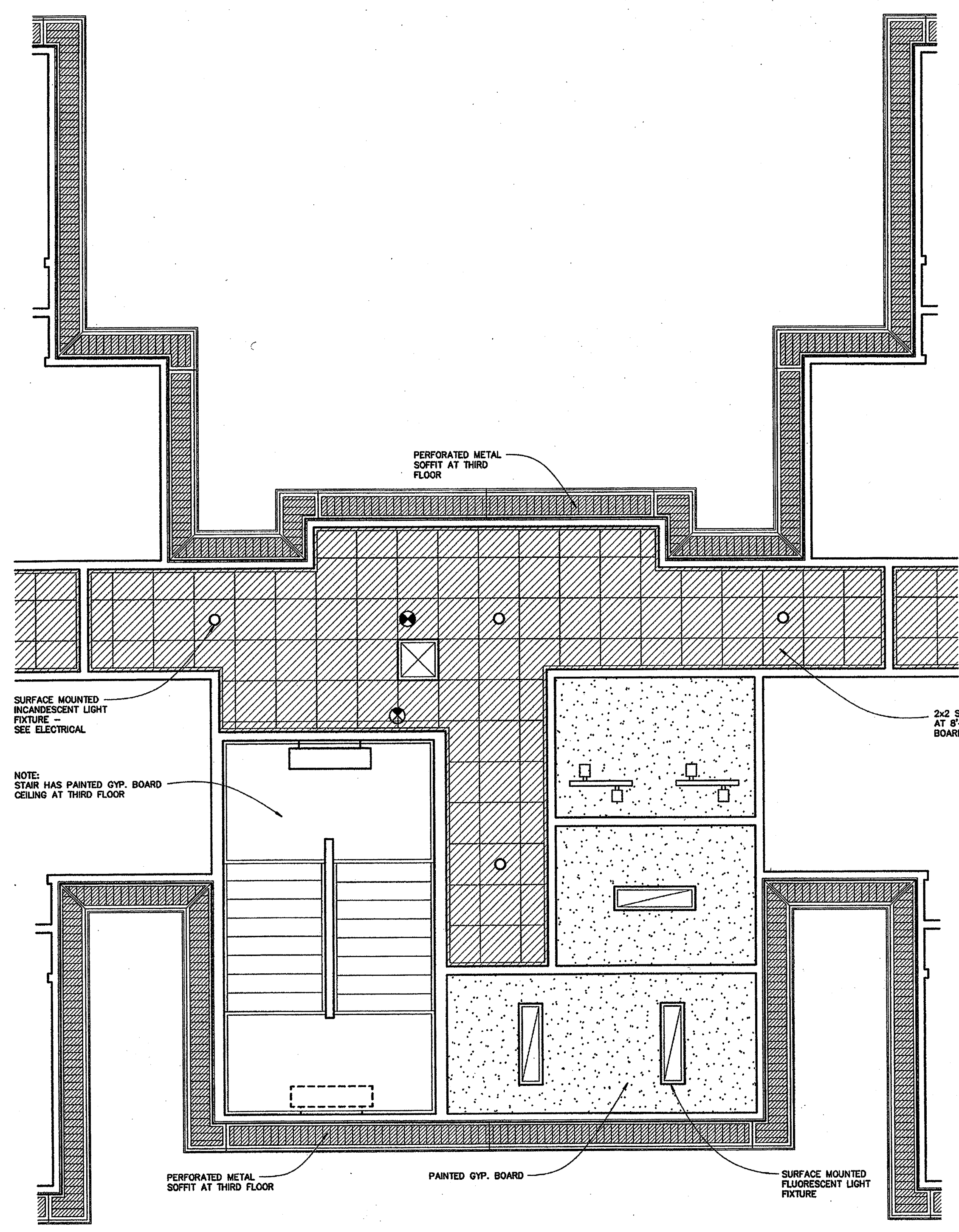
2
TYPICAL ALL CEILINGS



**ADA quad suite
reflected ceiling plan**
SCALE: 1/4" = 1'-0"

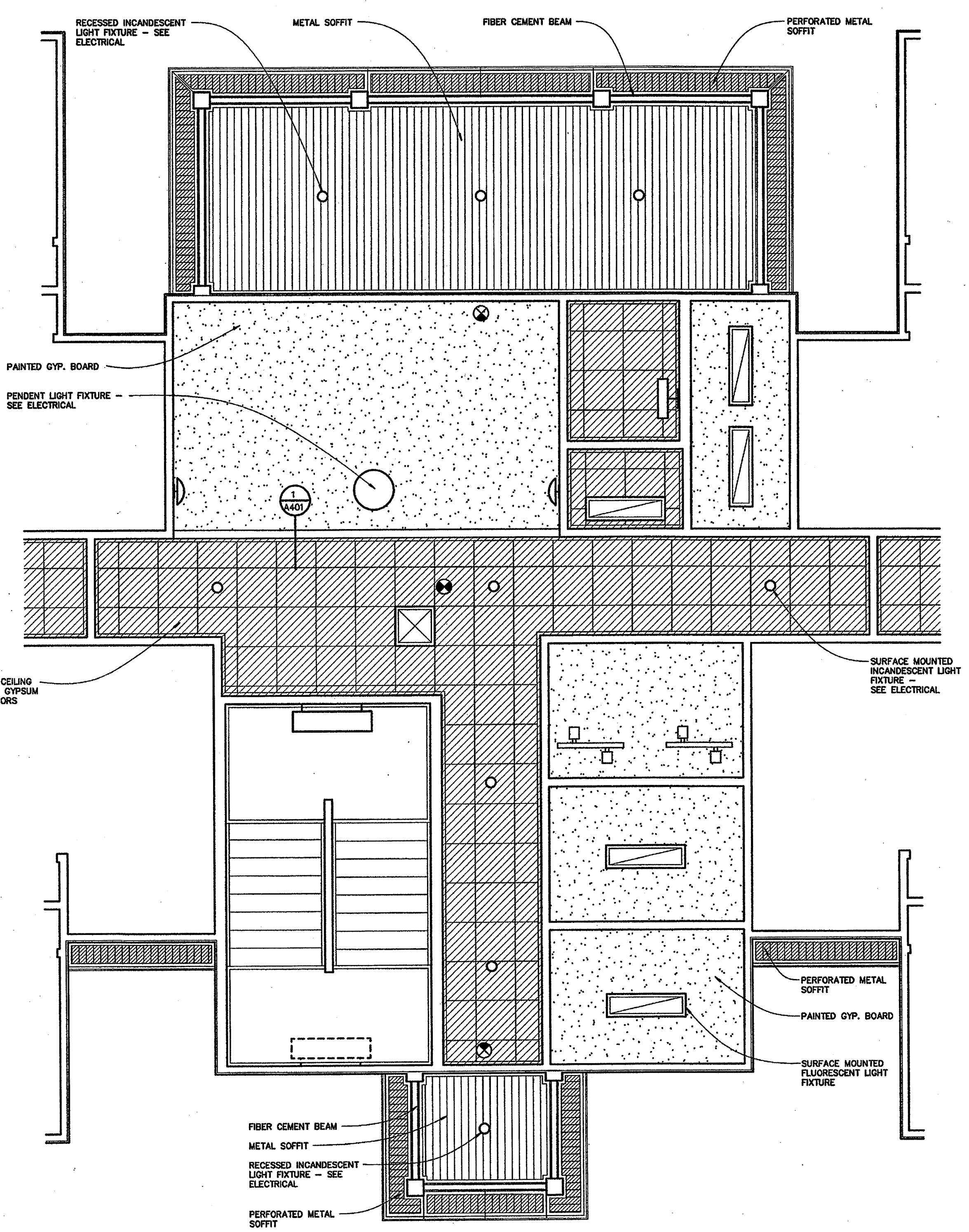
LEGEND

ARCHITECTURAL	ELECTRICAL
2x2 SUSPENDED ACOUSTICAL CEILING SYSTEM	WALL SCONCE LIGHT FIXTURE
GYPSUM BOARD	INCANDESCENT LIGHT FIXTURE
OPEN TO STRUCTURE ABOVE	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	CEILING MOUNT EXIT SIGN
	TRACK LIGHTING STRIP
	PENDENT LIGHT FIXTURE
MECHANICAL	
SUPPLY AIR GRILLE	
SEE MECHANICAL PLAN FOR FURTHER DETAILS AND INFO.	SEE LIGHTING PLAN FOR FURTHER DETAILS AND INFO.



second and third floor lobby reflected ceiling plan

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



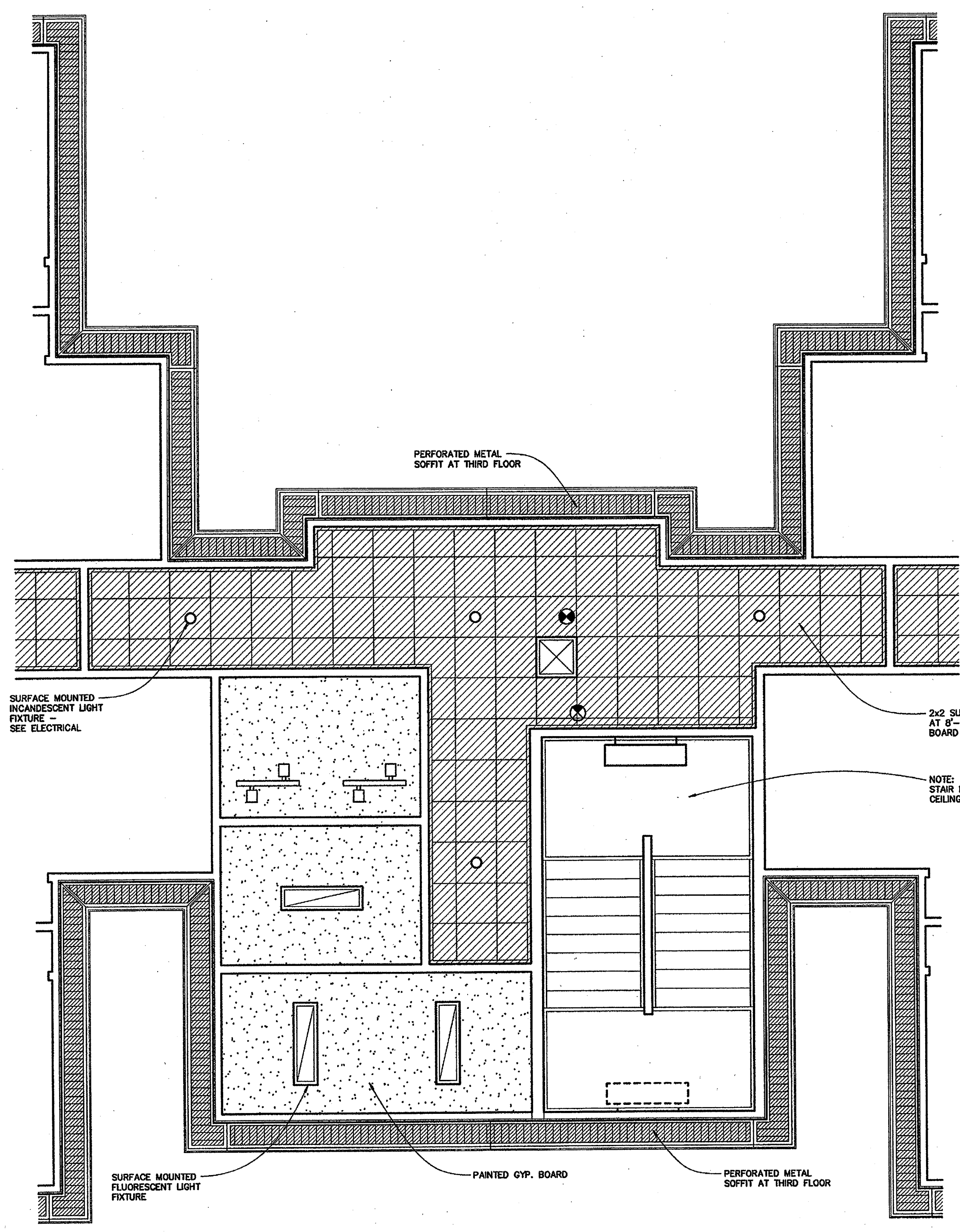
first floor lobby reflected ceiling plan

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

BUILDINGS ONE, TWO, FOUR, AND FIVE

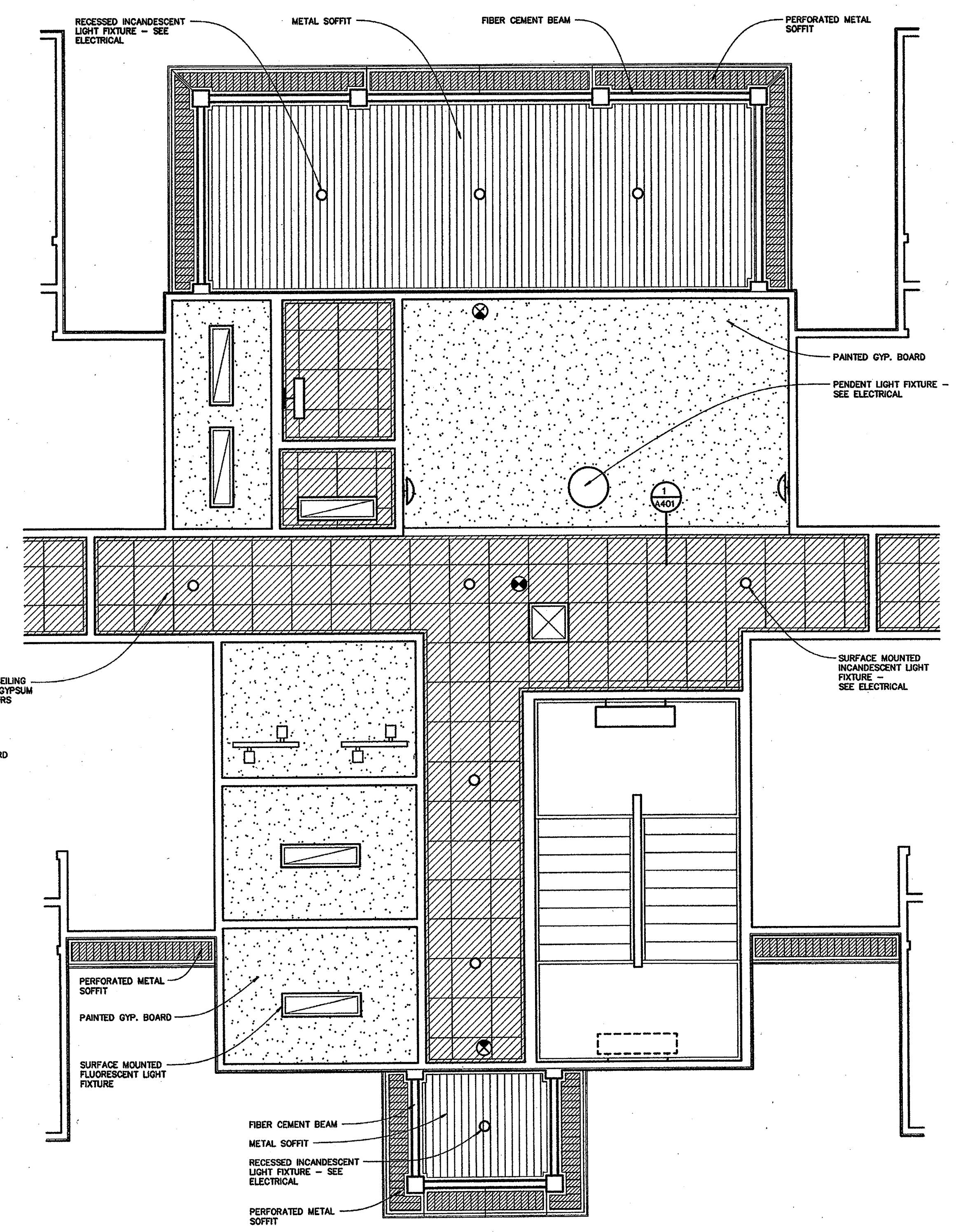
LEGEND

ARCHITECTURAL	ELECTRICAL
2x2 SUSPENDED ACOUSTICAL CEILING SYSTEM	WALL SCONCE LIGHT FIXTURE
GYPSUM BOARD	INCANDESCENT LIGHT FIXTURE
OPEN TO STRUCTURE ABOVE	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	CEILING MOUNT EXIT SIGN
	TRACK LIGHTING STRIP
	PENDENT LIGHT FIXTURE
SUPPLY AIR GRILLE	
SEE MECHANICAL PLAN FOR FURTHER DETAILS AND INFO.	SEE LIGHTING PLAN FOR FURTHER DETAILS AND INFO.



second and third floor lobby reflected ceiling plan

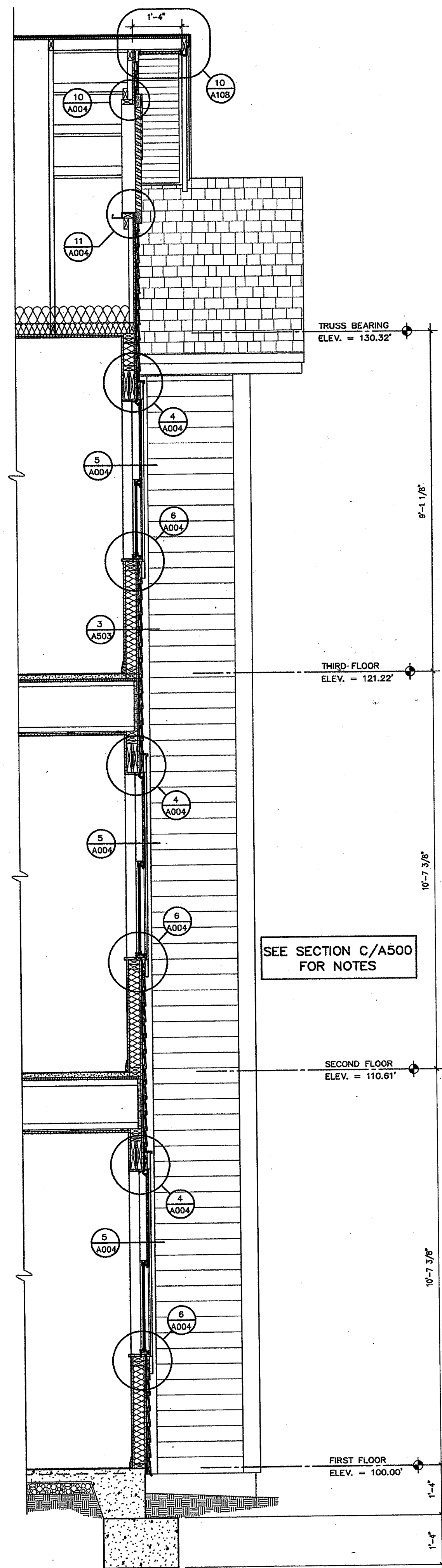
SCALE: 1/4" = 1'-0"



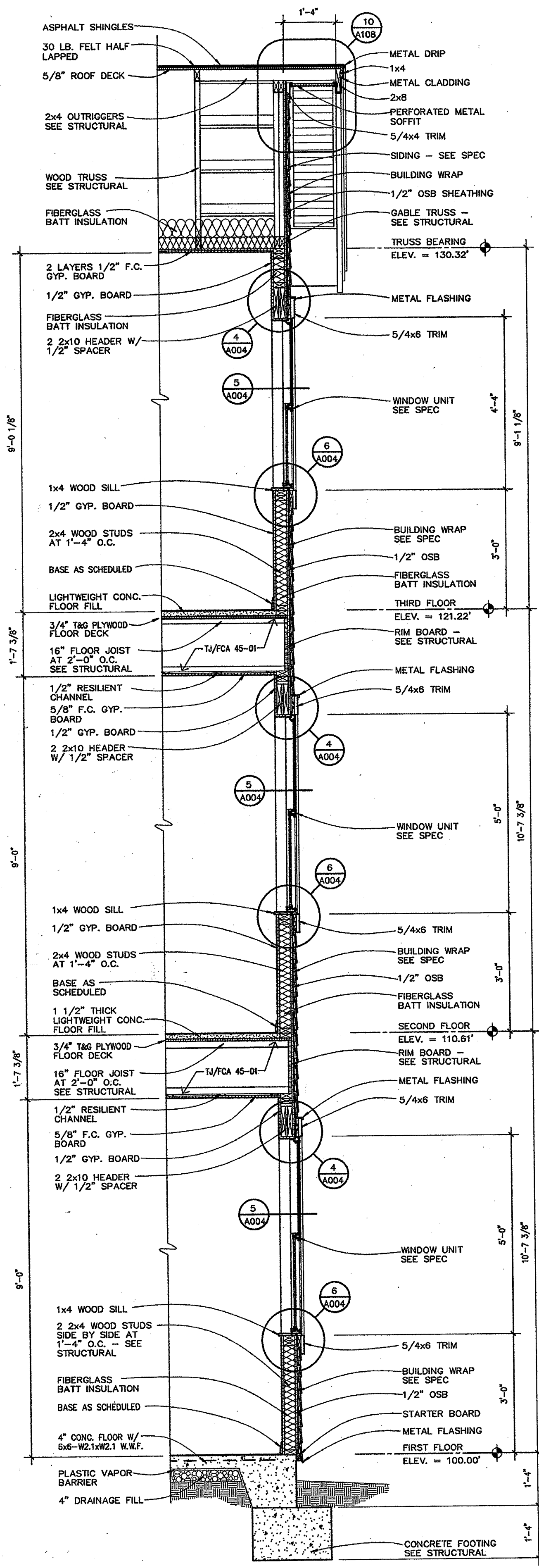
first floor lobby reflected ceiling plan

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

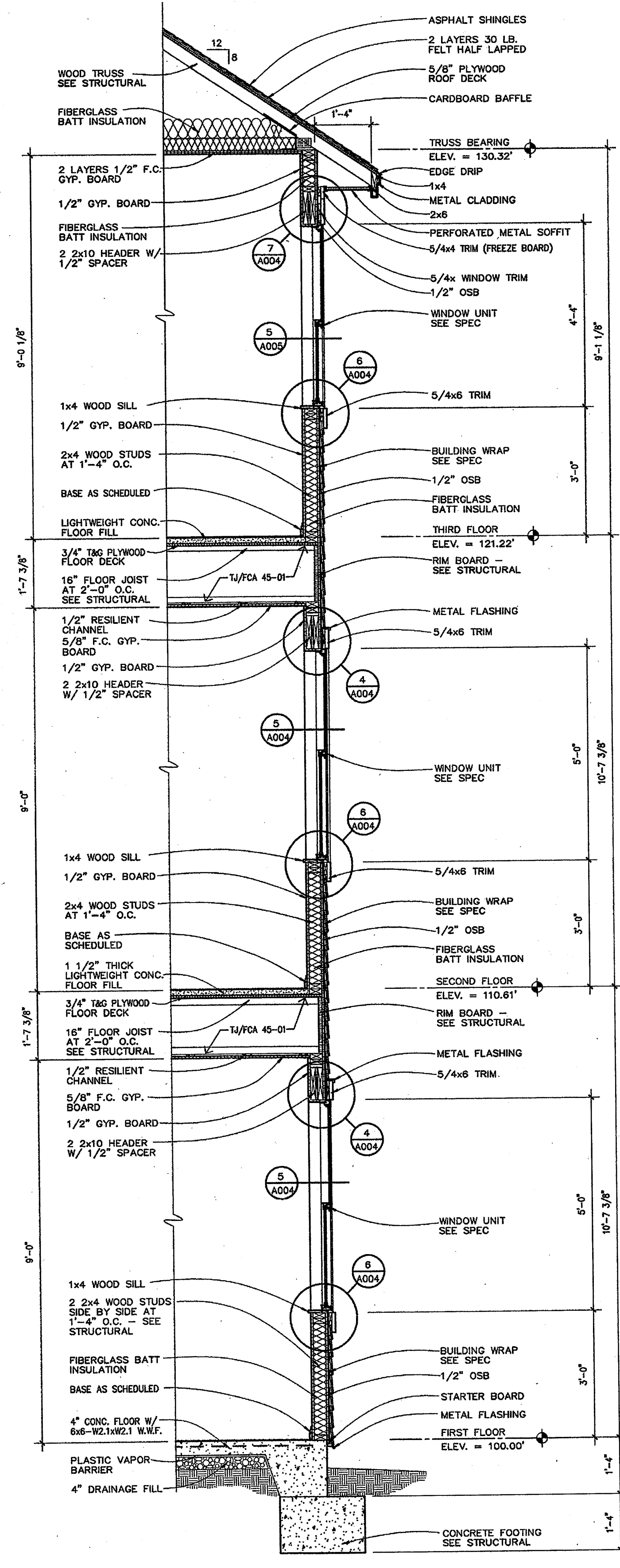
BUILDING THREE



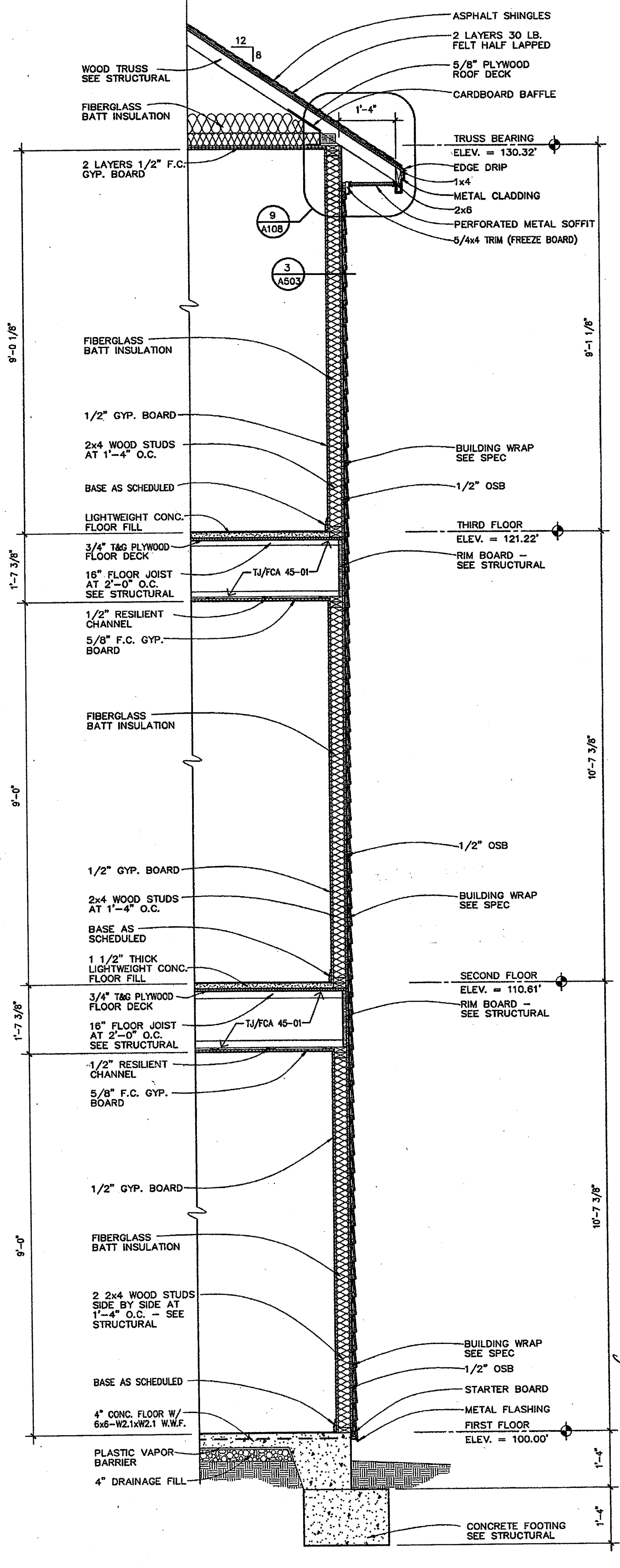
wall section D
SCALE: 1/2" = 1'-0"



wall section C
SCALE: 1/2" = 1'-0"



wall section B
SCALE: 1/2" = 1'-0"



wall section A
SCALE: 1/2" = 1'-0"

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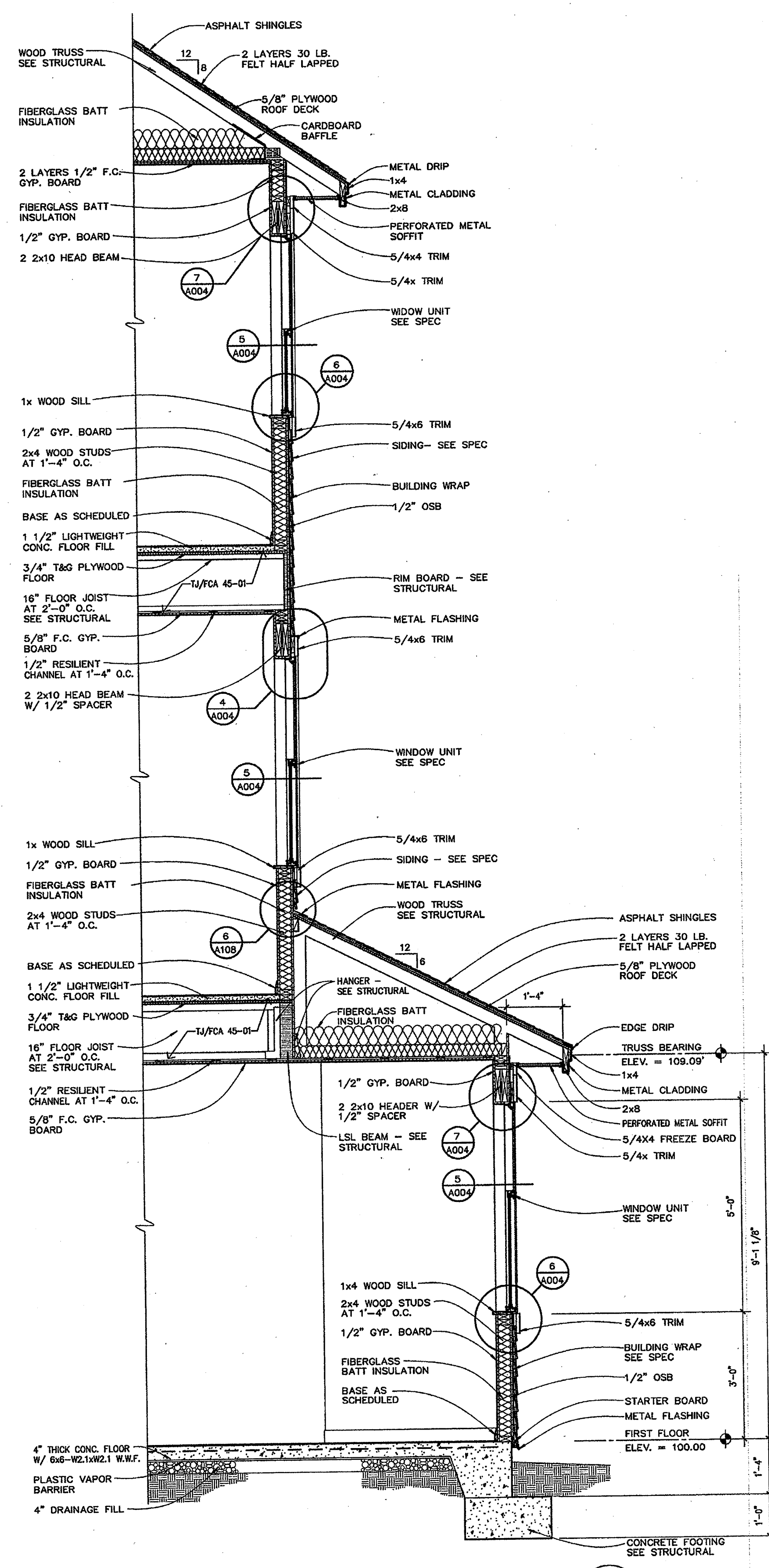
2

BRACKETT
KRENNERICH

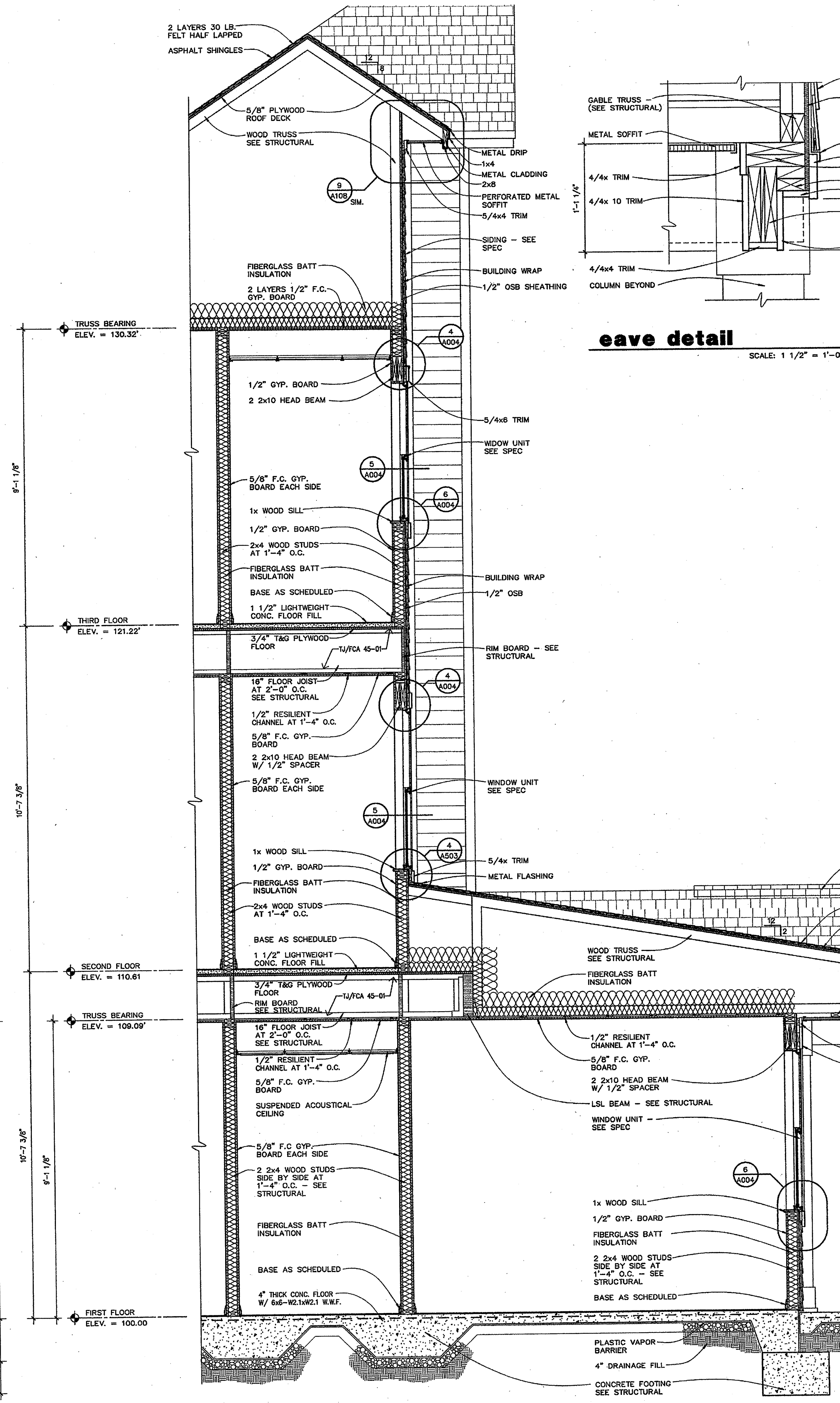
REGISTERED ARCHITECTS
ARKANSAS
1900

WALL SECTION

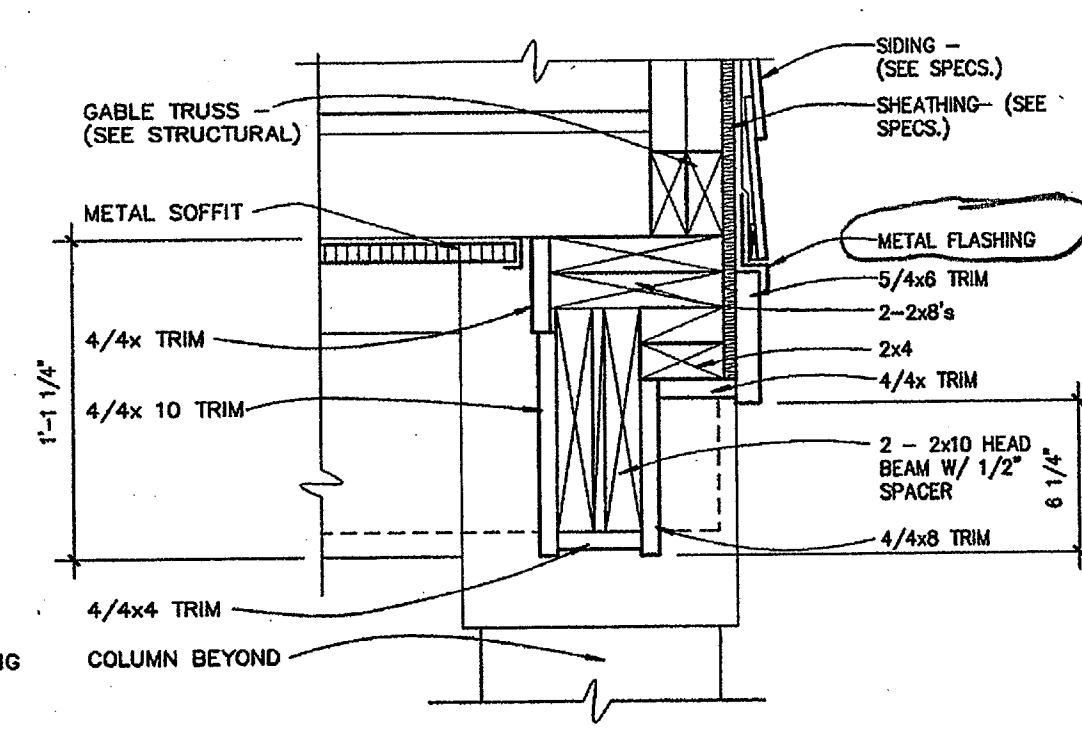
Commission No. 10404R
A50
Date: November



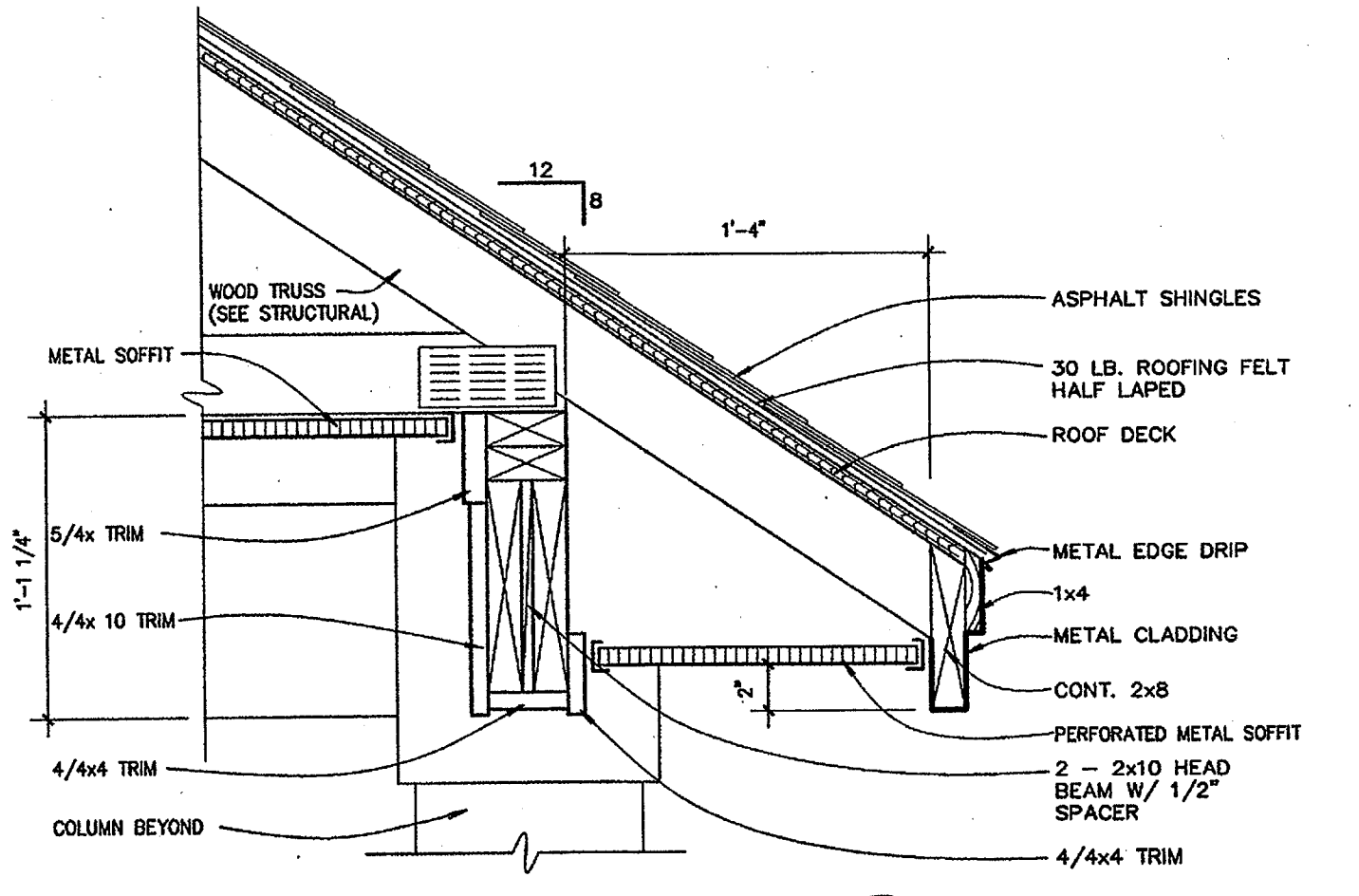
wall section B
SCALE: 1/2" = 1'-0"



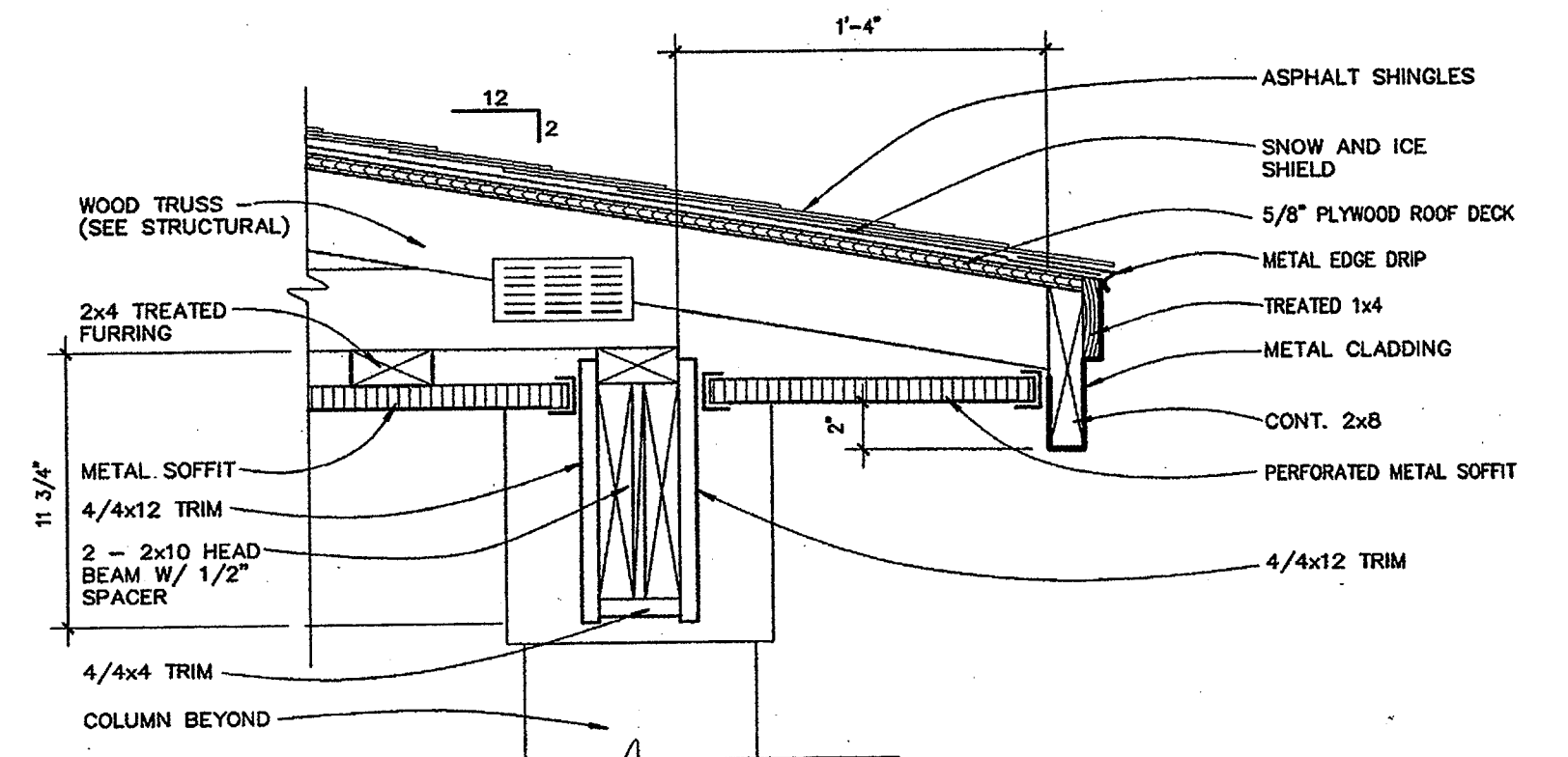
wall section A
SCALE: 1/2" = 1'-0"



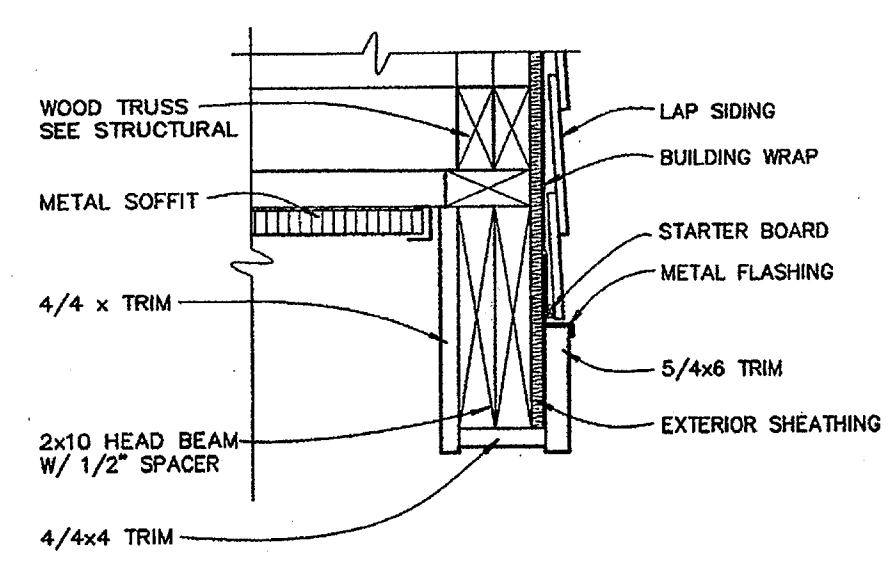
eave detail 3
SCALE: 1 1/2" = 1'-0"



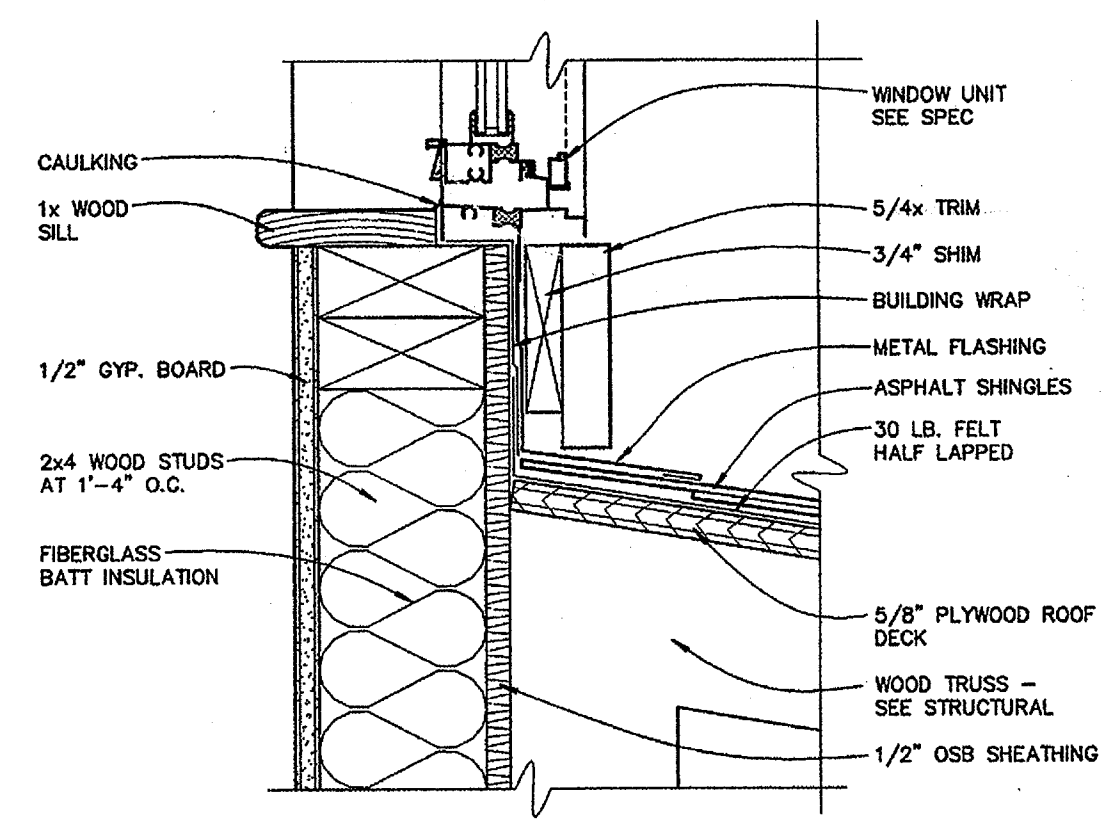
eave detail 1
SCALE: 1 1/2" = 1'-0"



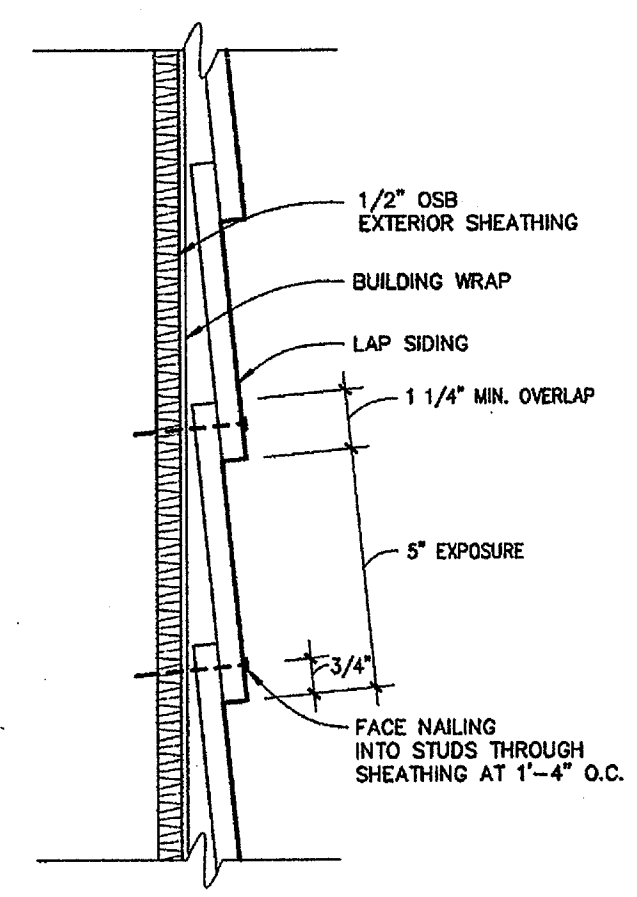
eave detail 2
SCALE: 1 1/2" = 1'-0"



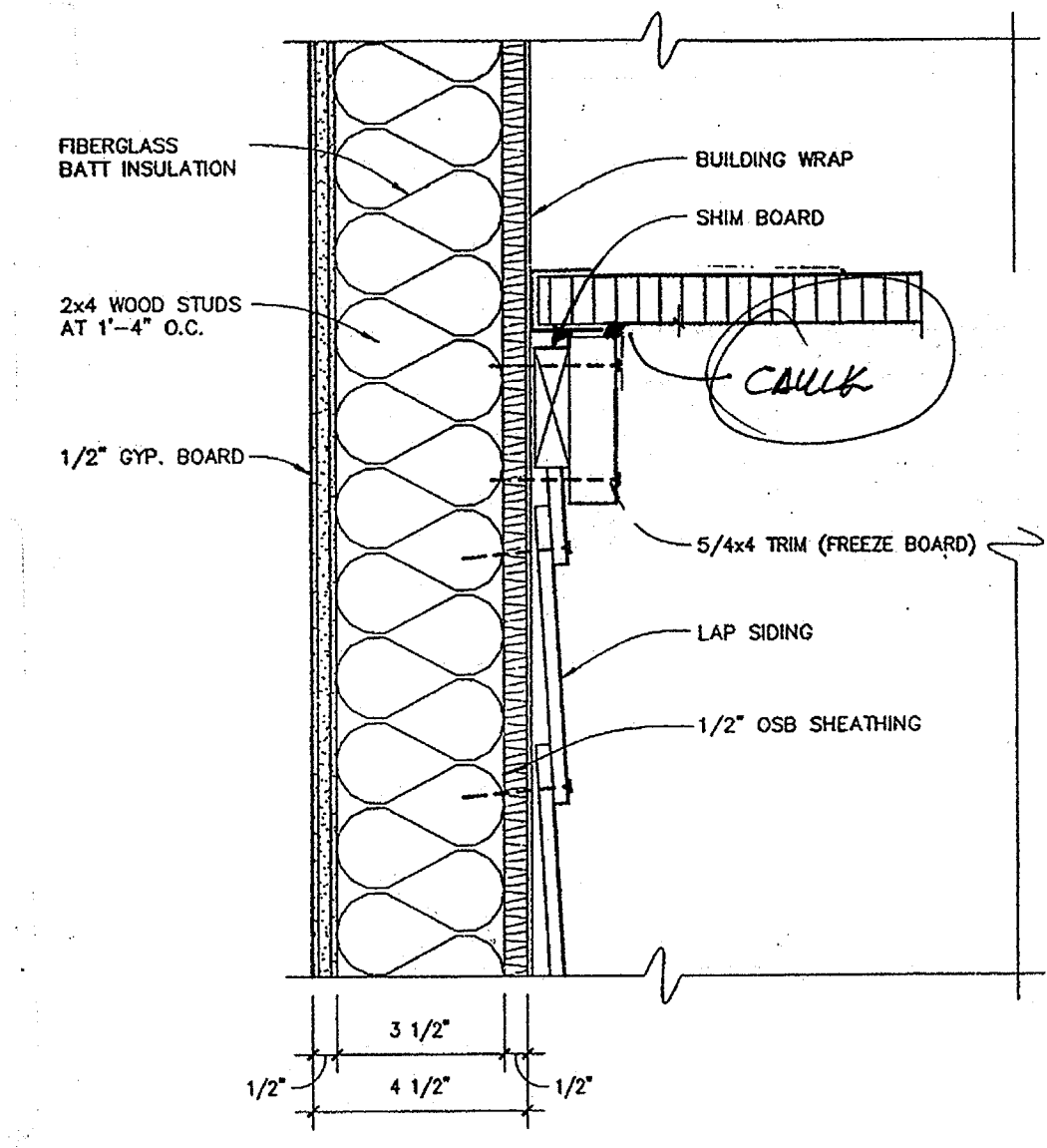
eave detail **5**
SCALE: 1 1/2" = 1'-0"



siding detail **4**
SCALE: 3" = 1'-0"



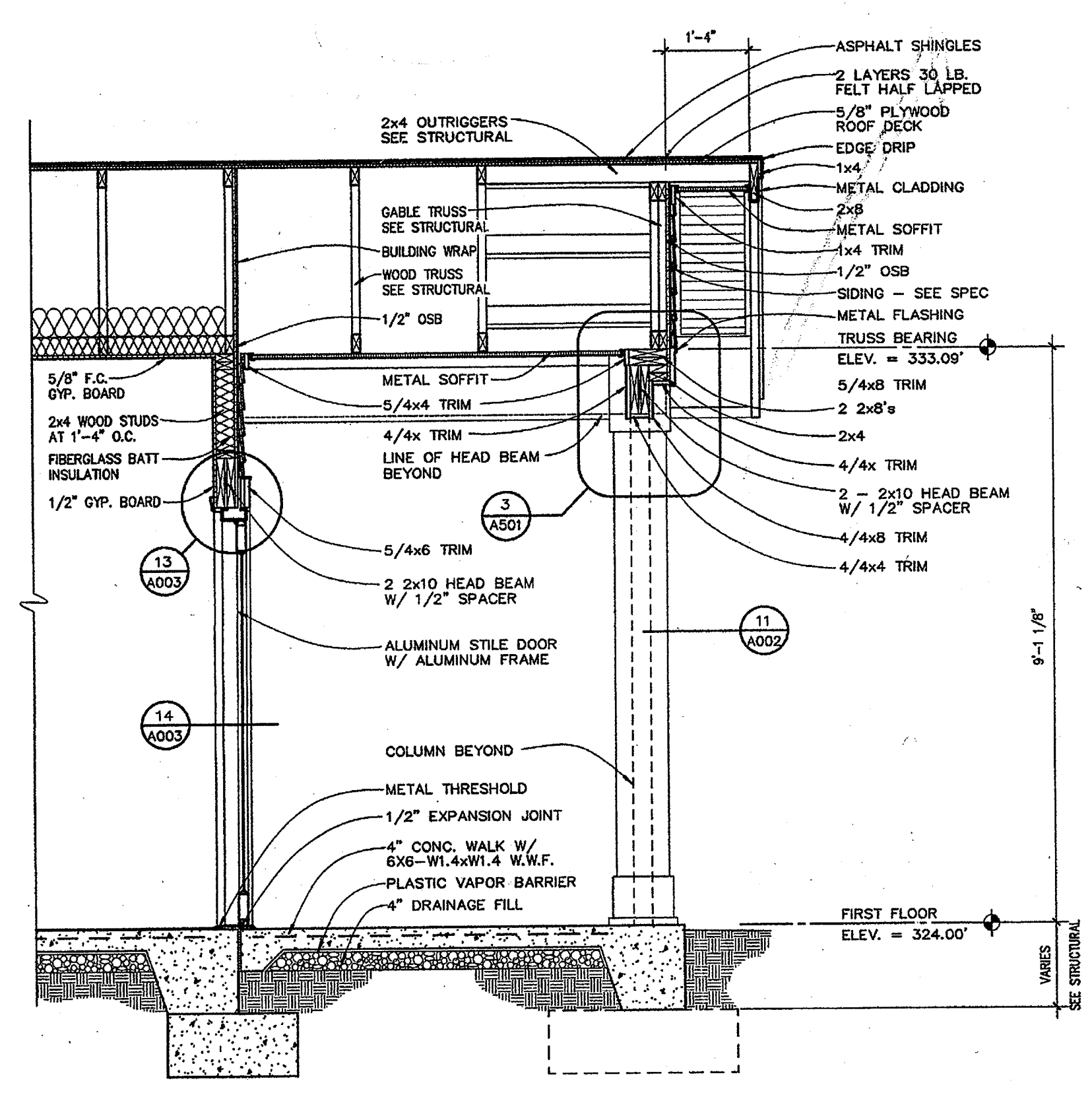
siding detail **3**
SCALE: 3" = 1'-0"



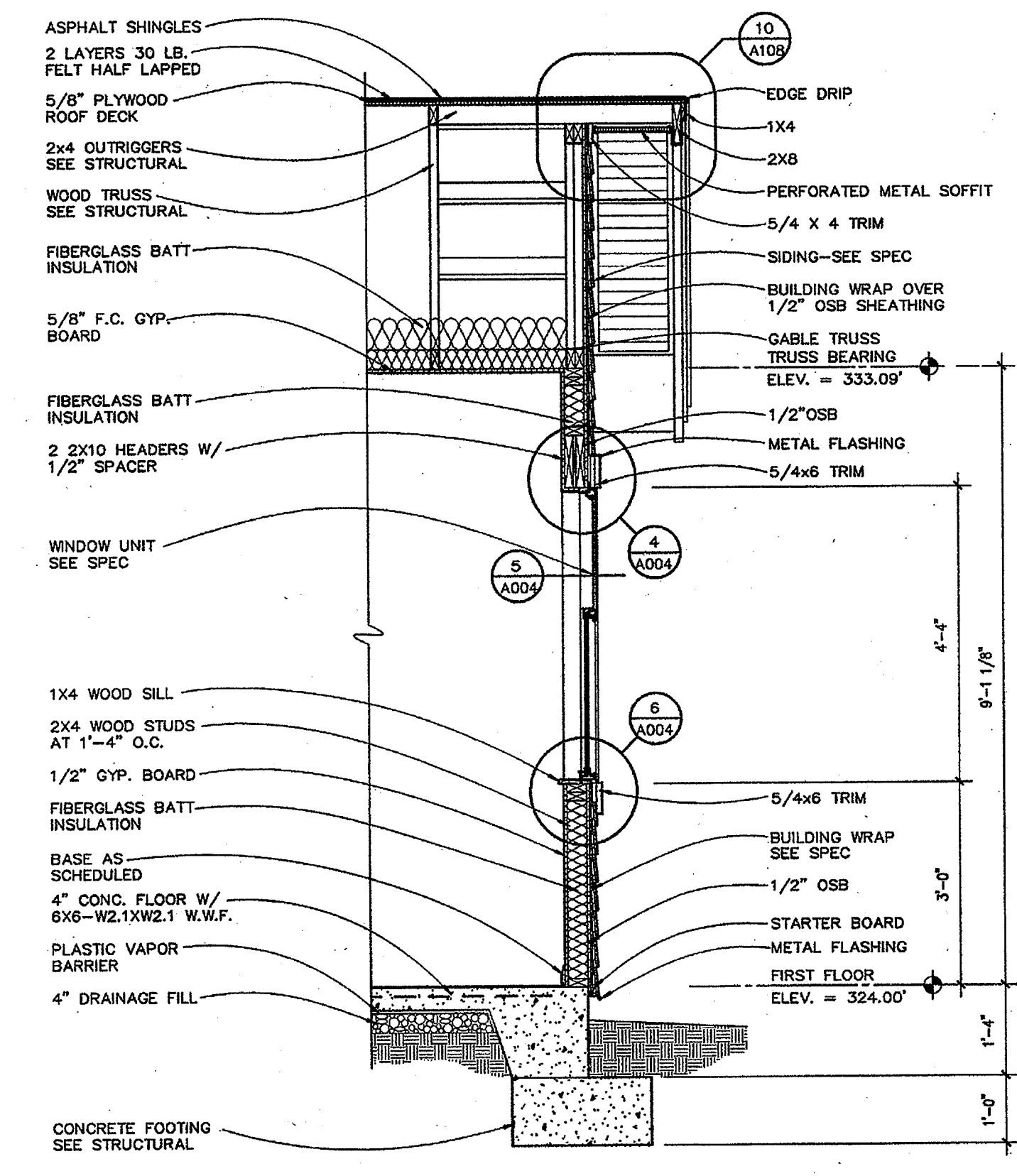
soffit detail **2**
SCALE: 3" = 1'-0"

detail omitted **1**
SCALE: 3" = 1'-0"

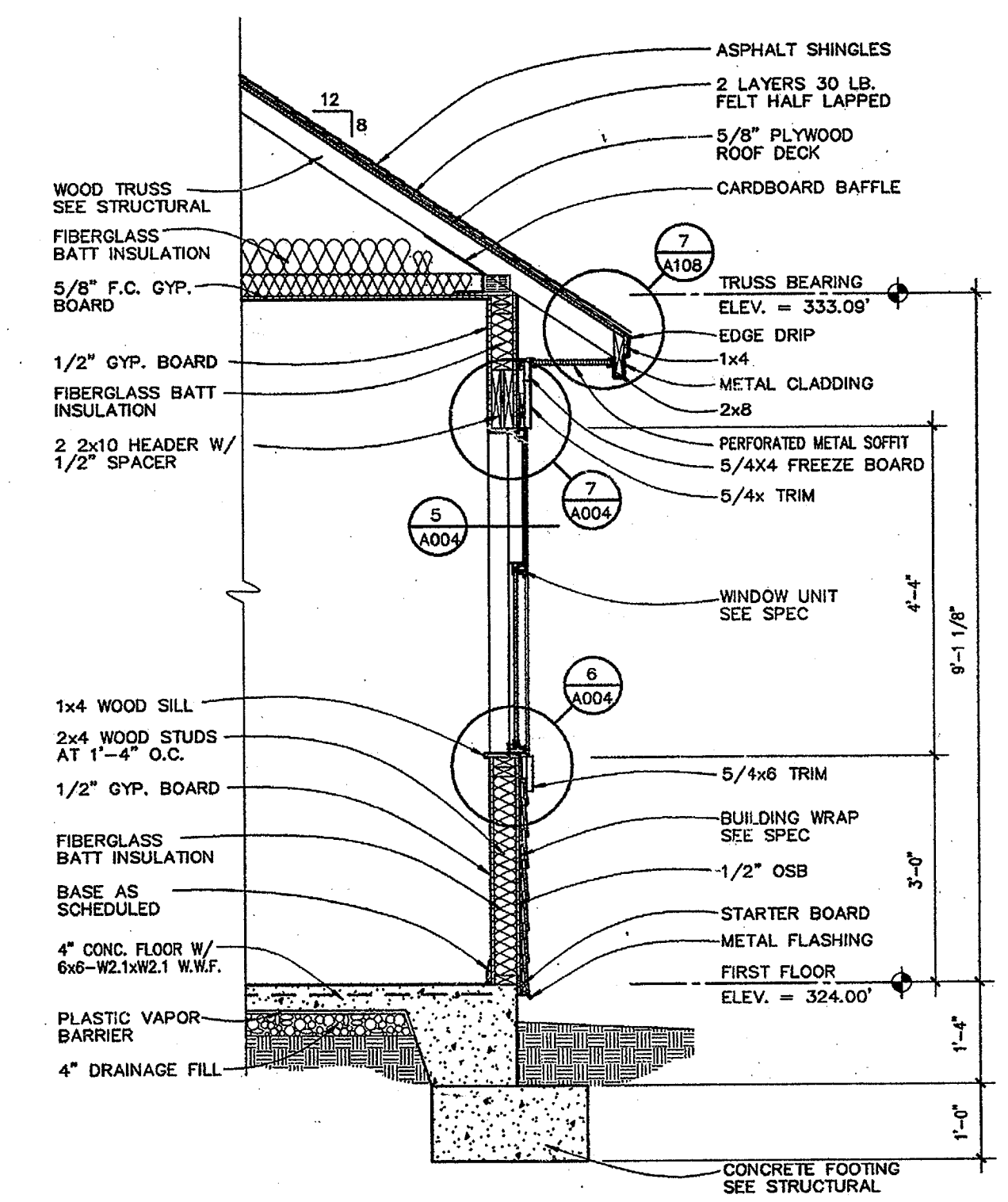
Approved
James W. Jones



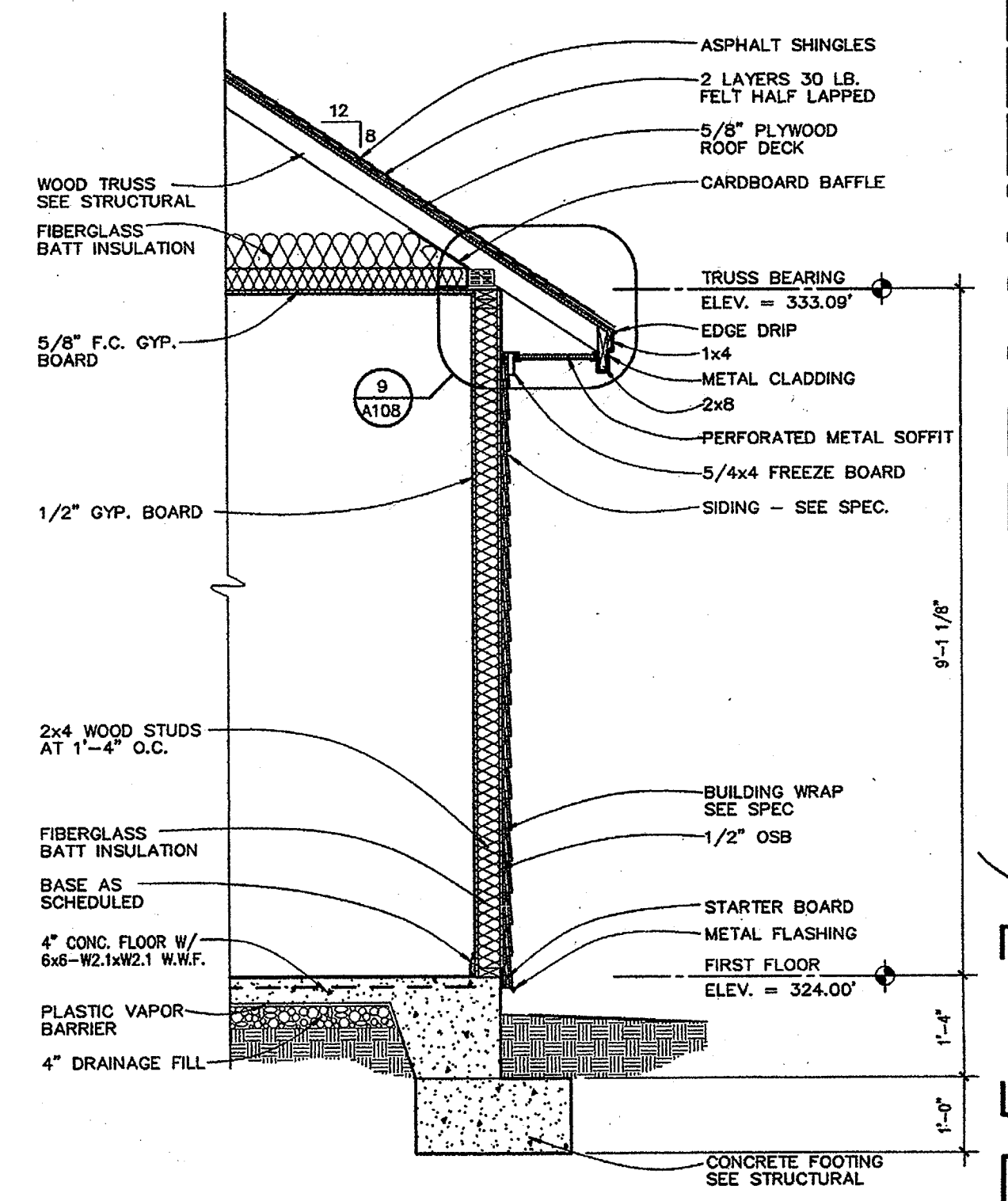
wall section **D**
SCALE: 1/2" = 1'-0"



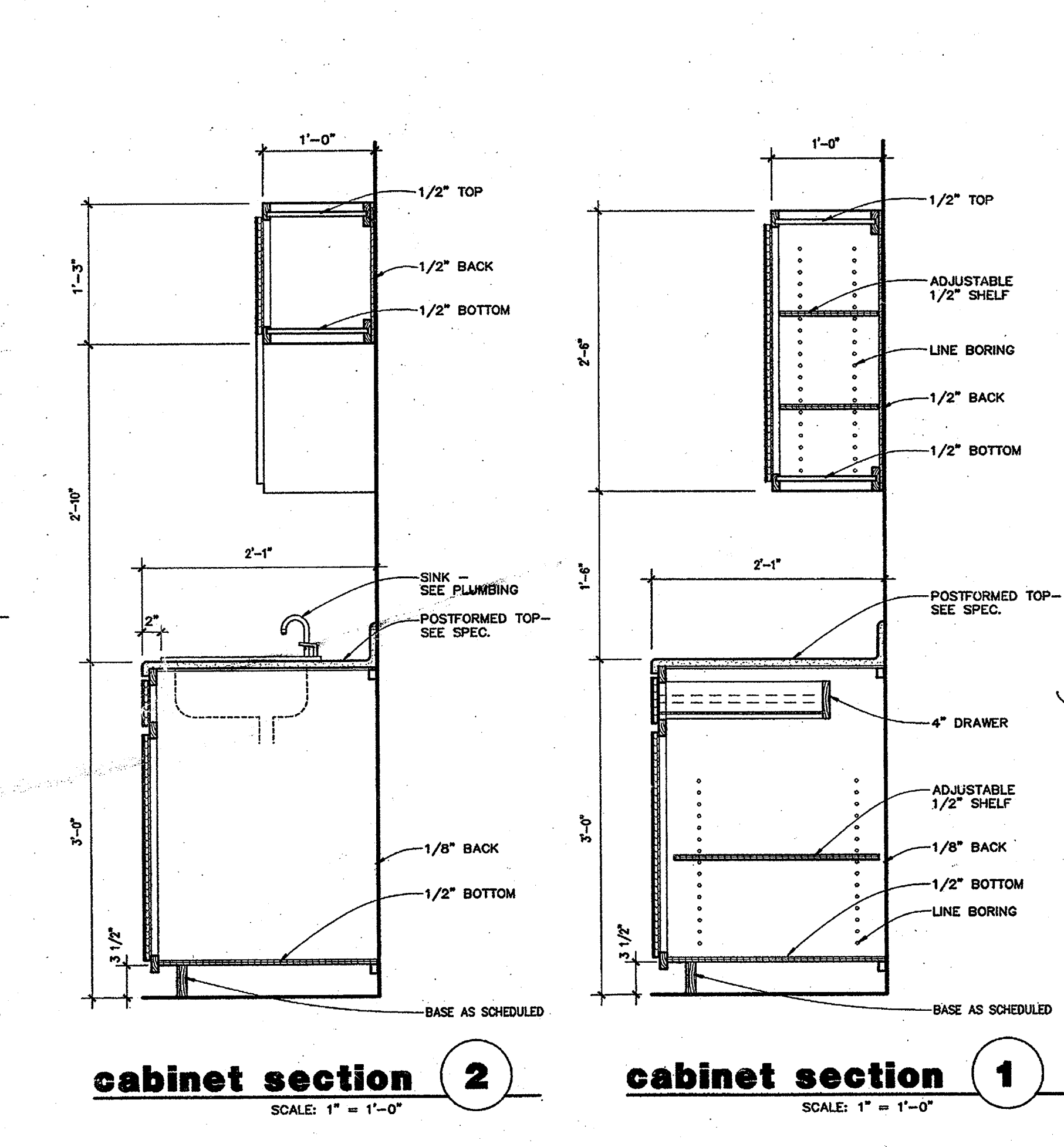
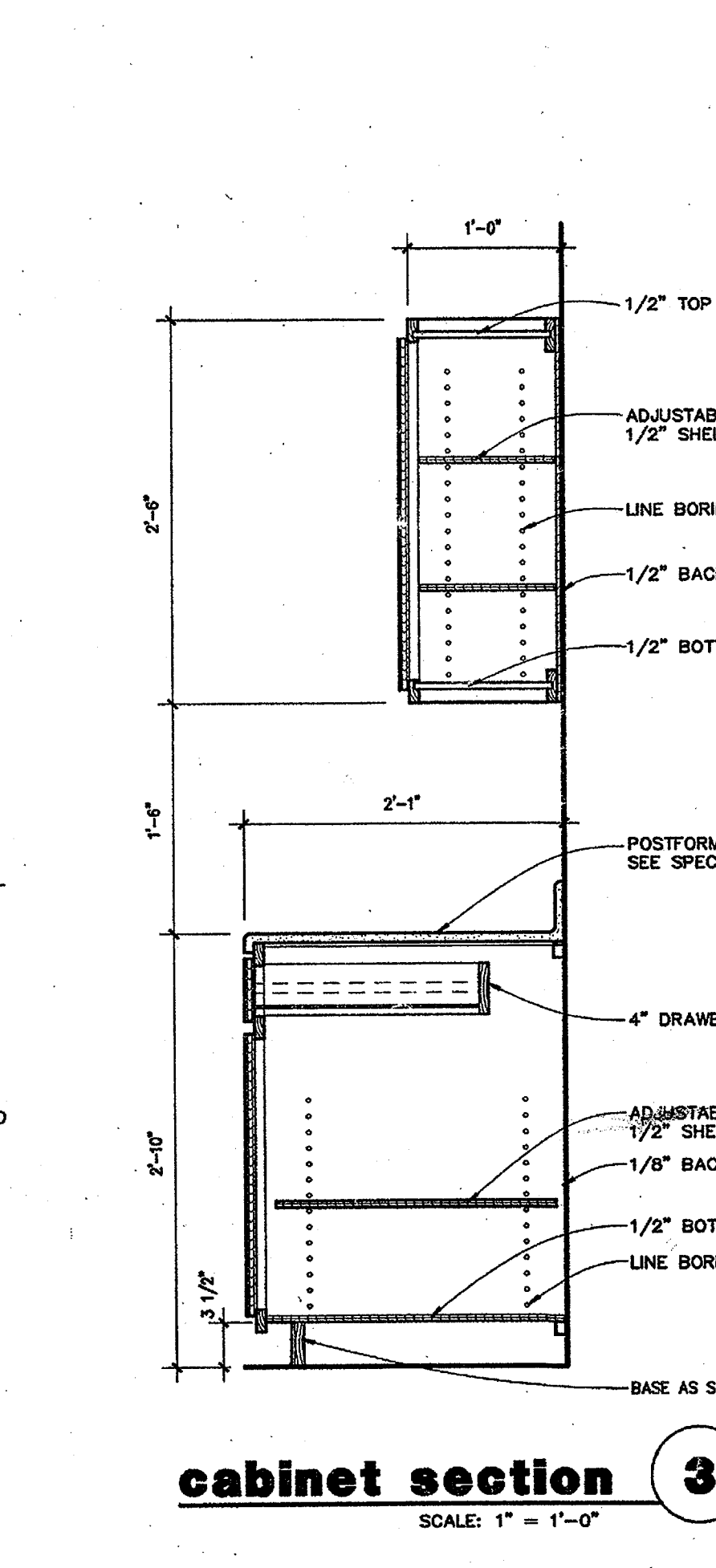
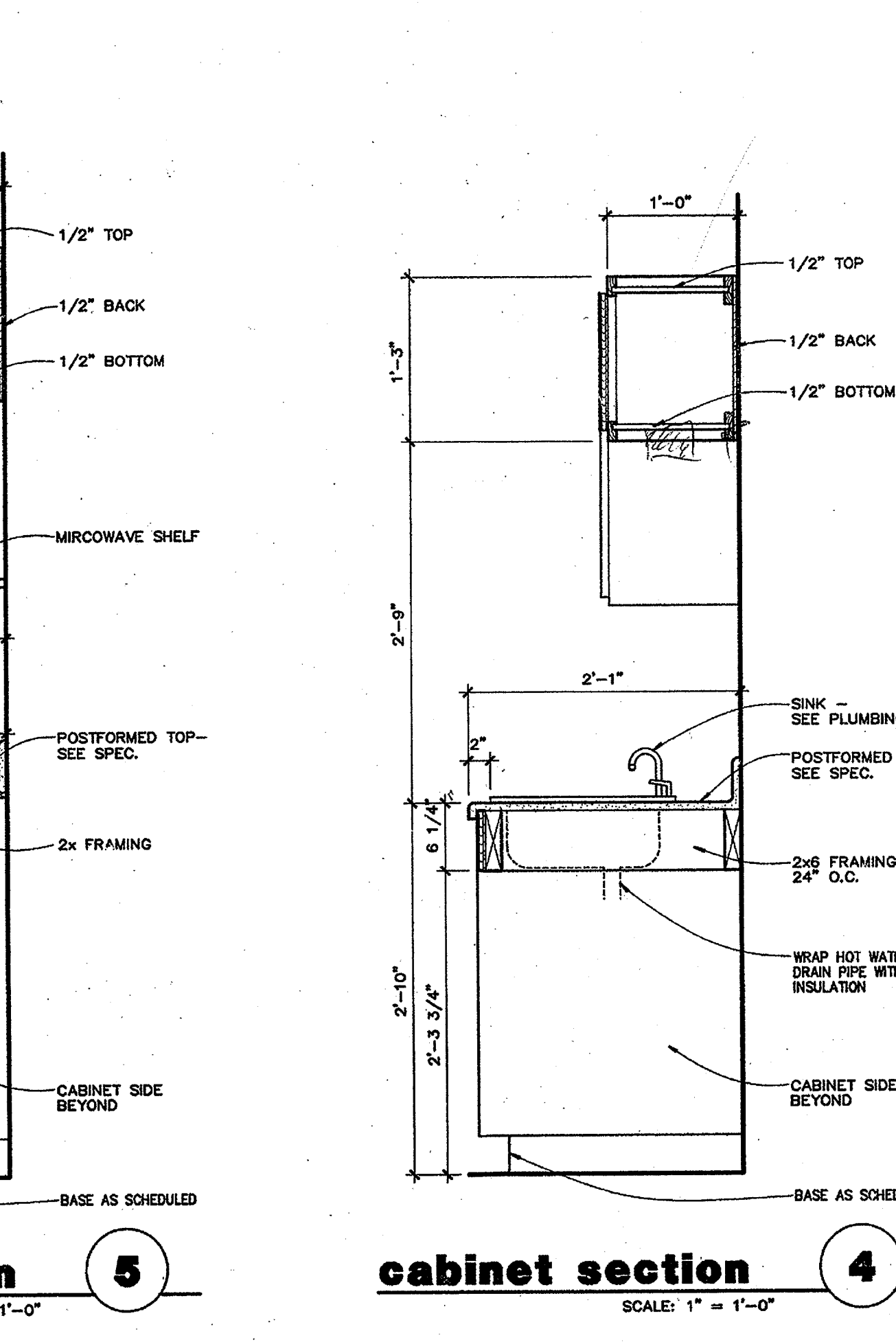
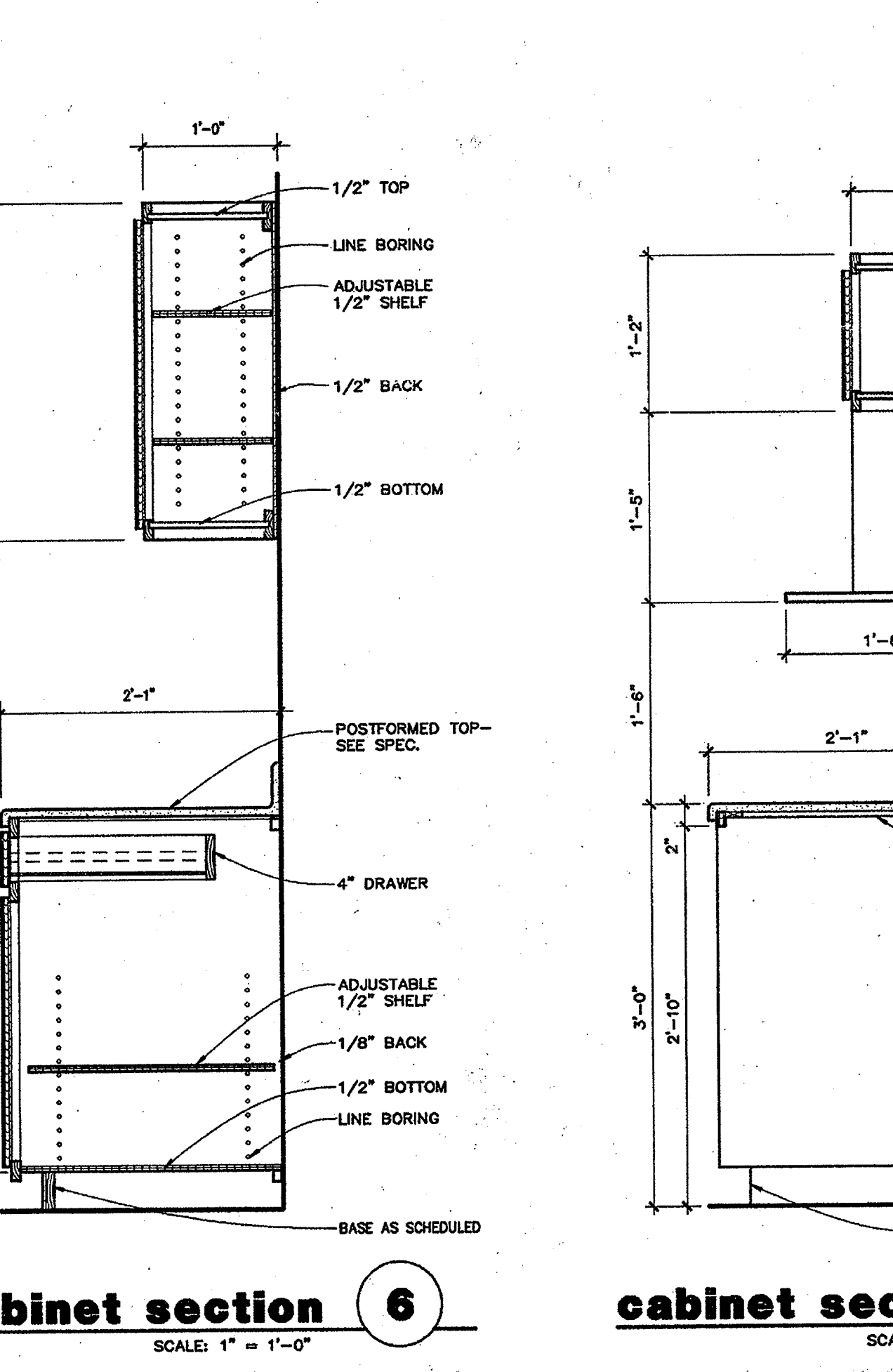
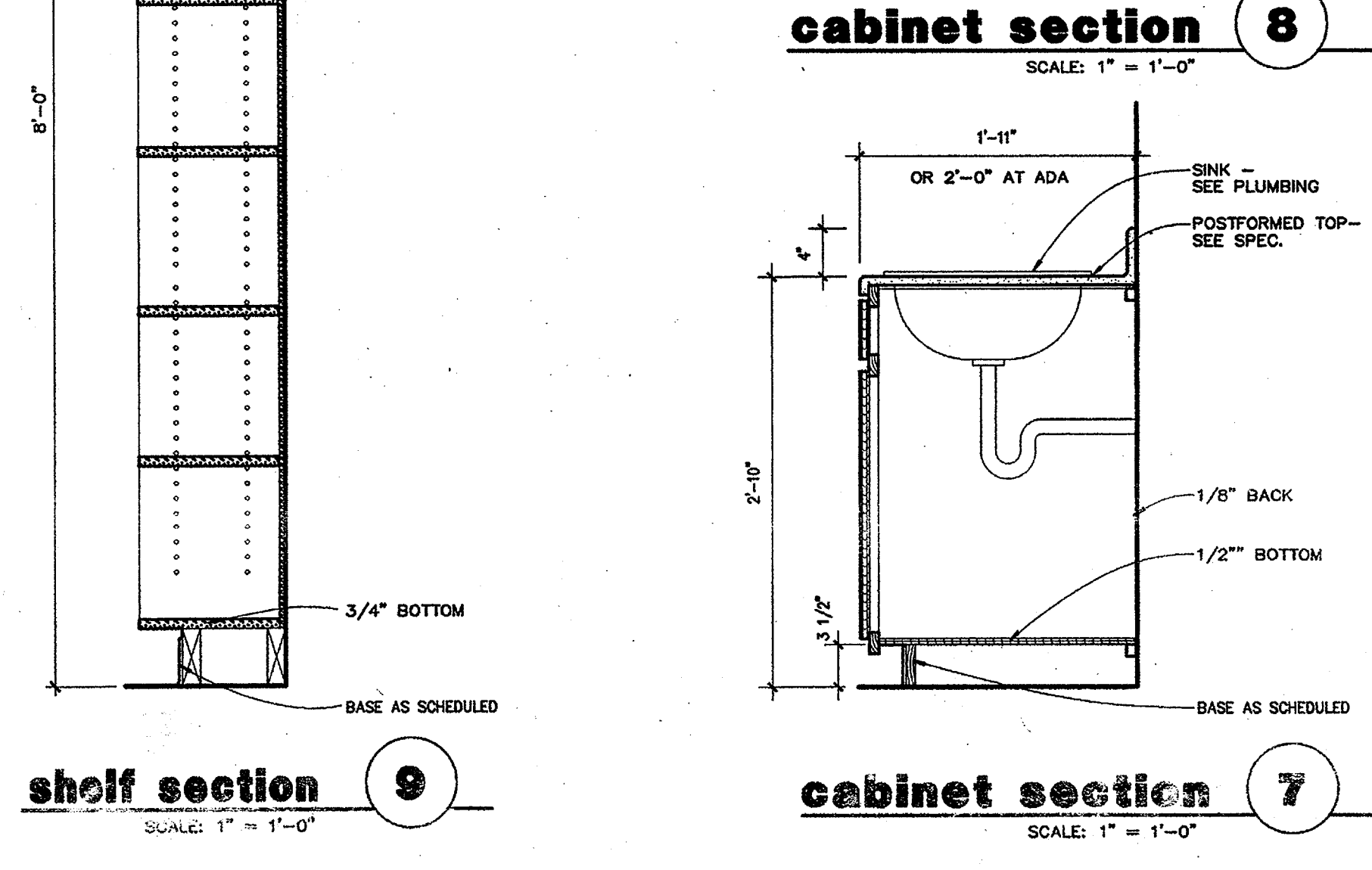
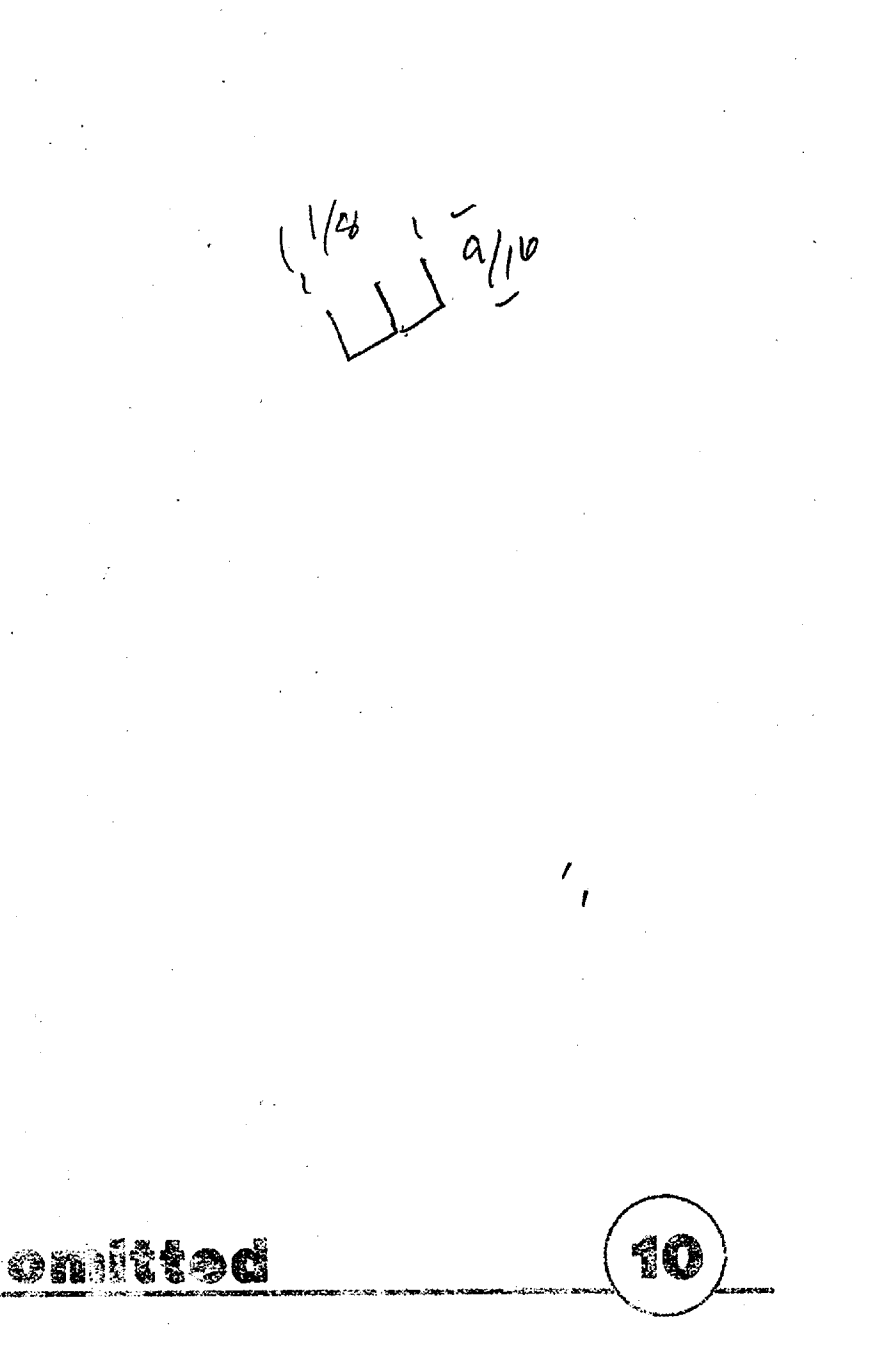
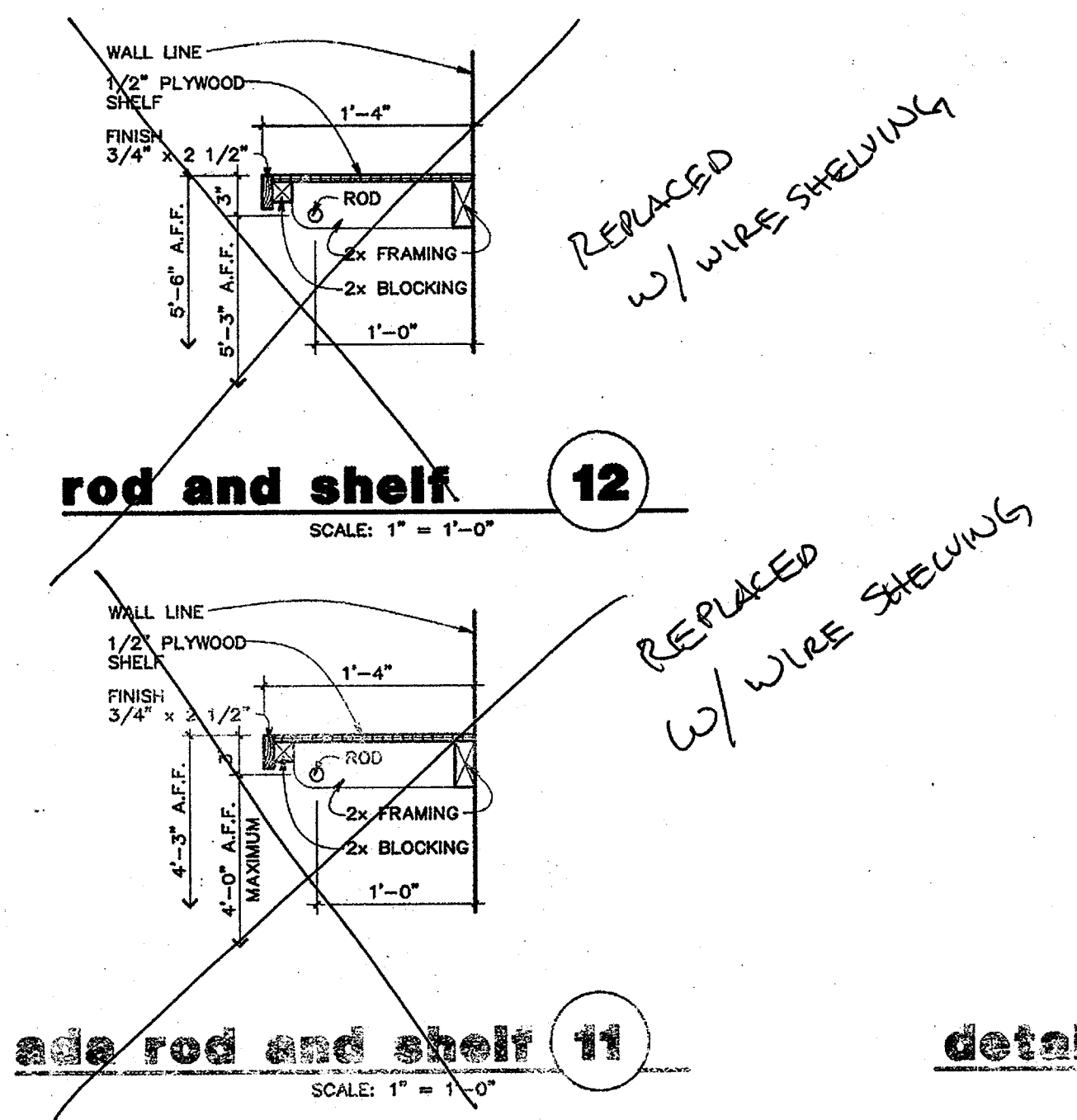
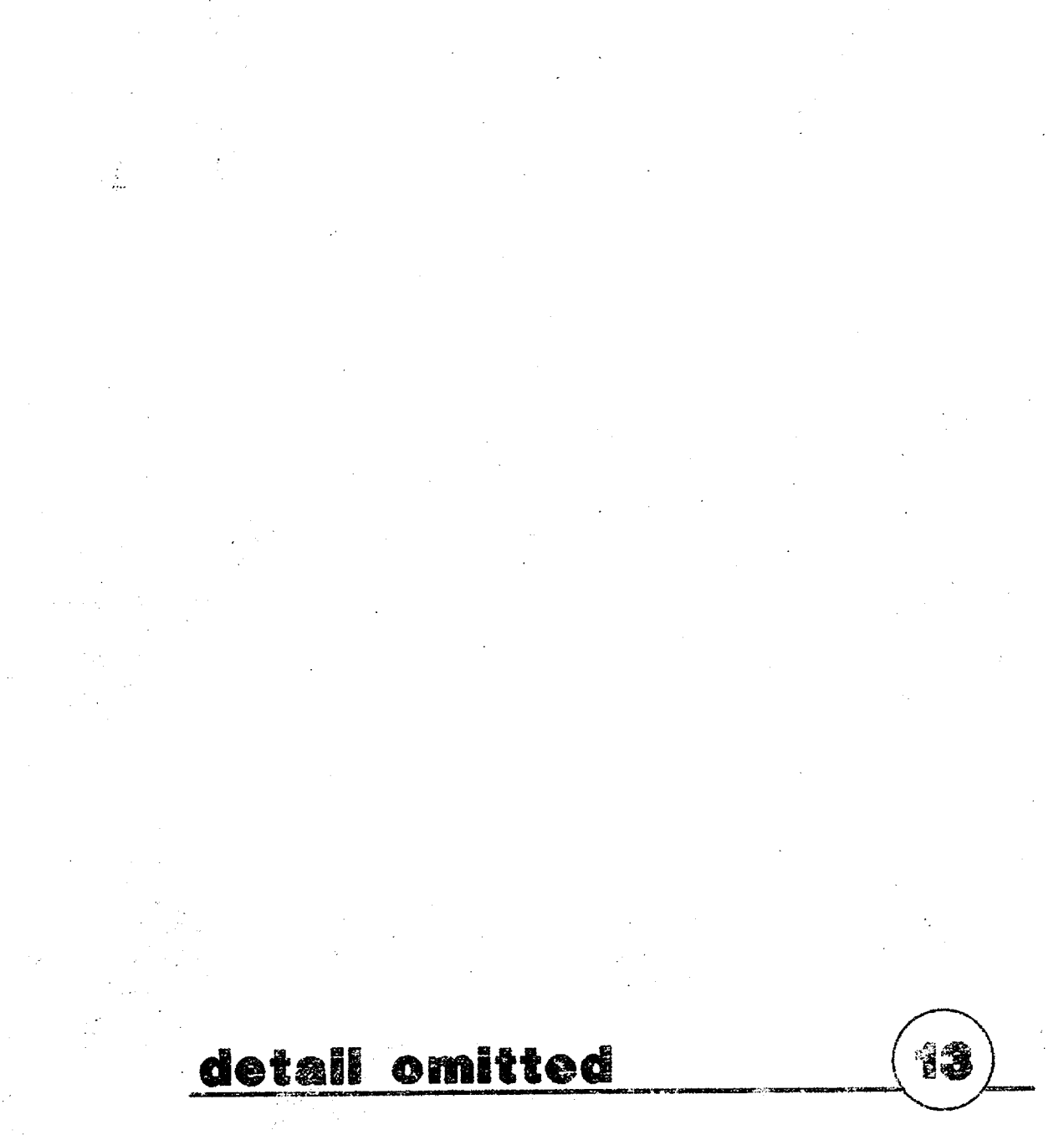
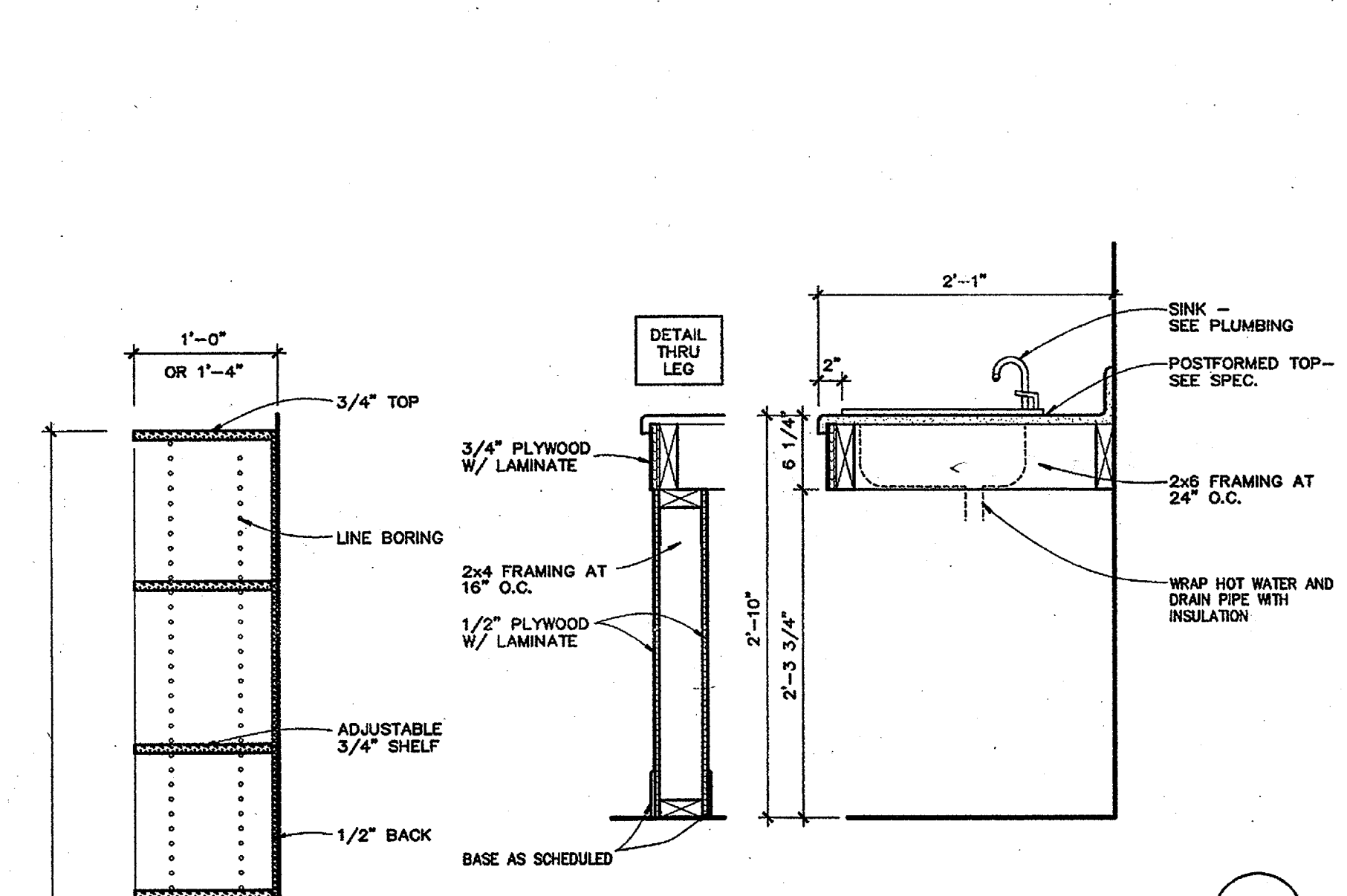
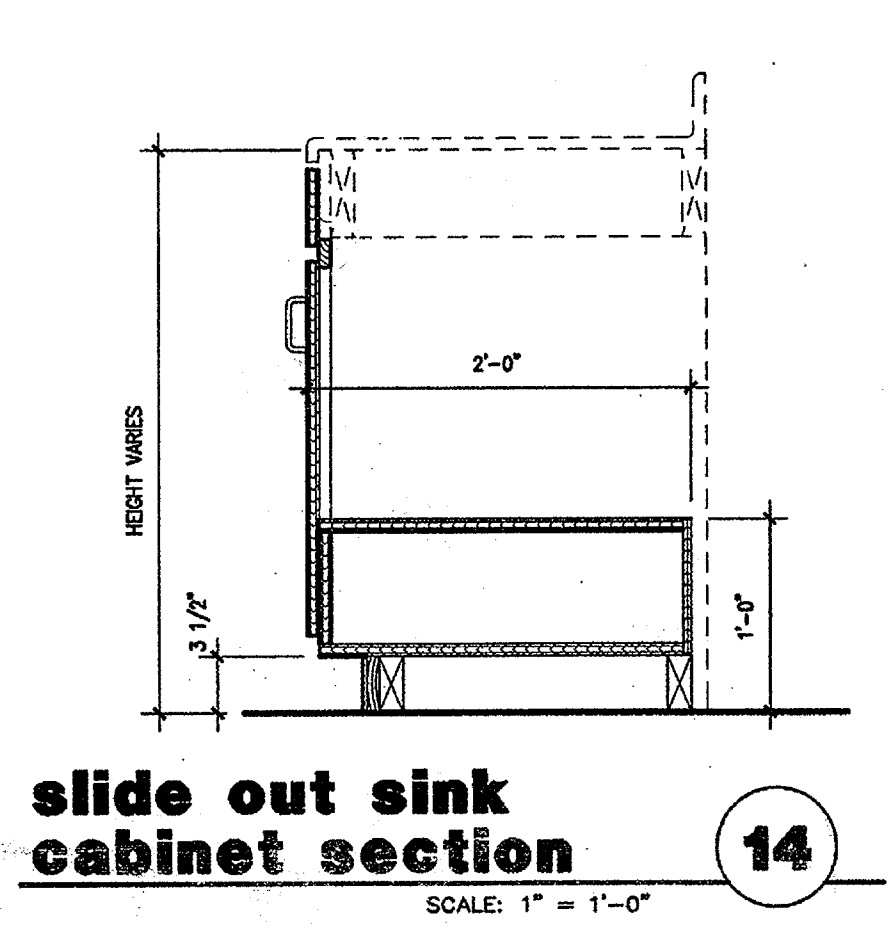
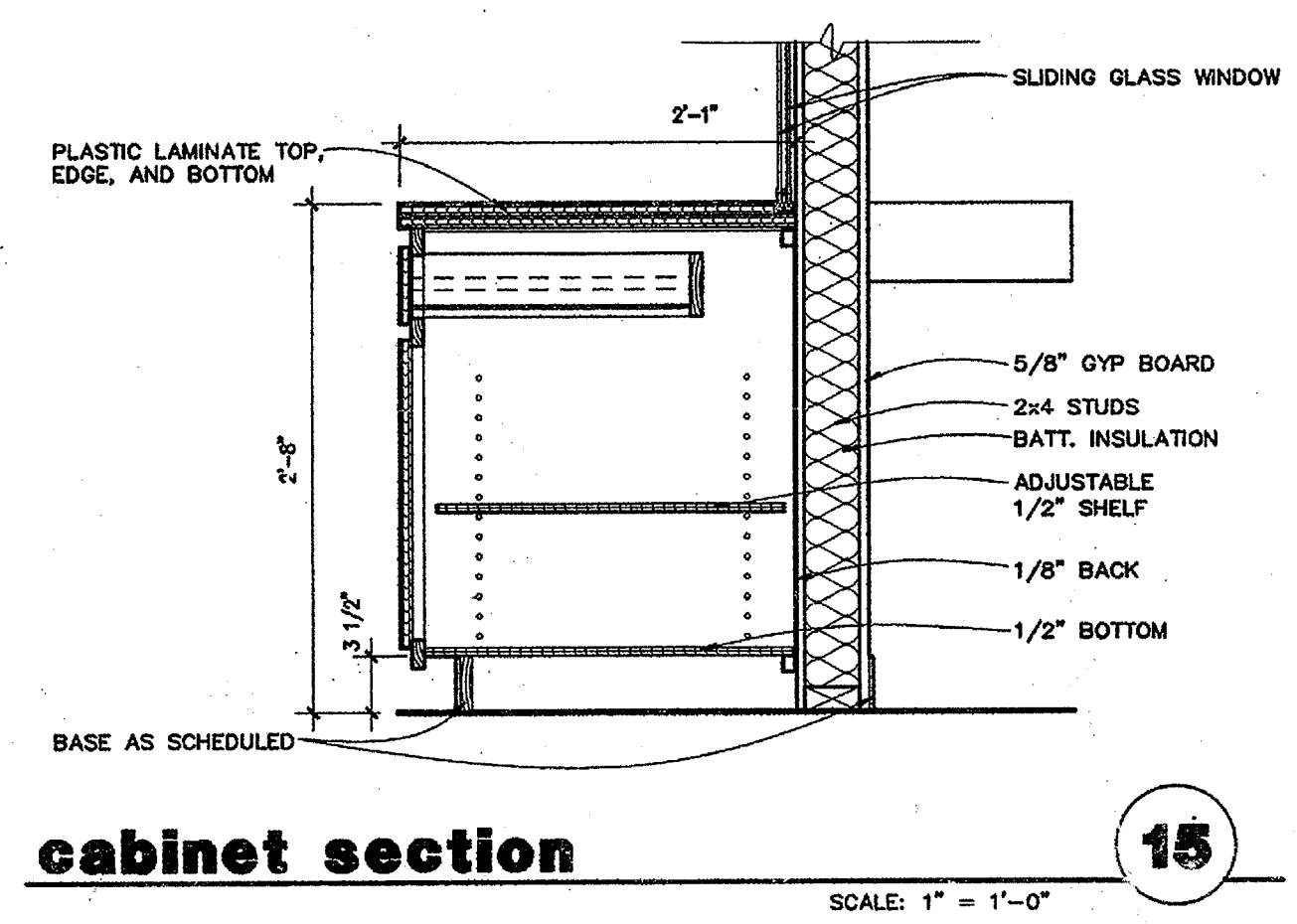
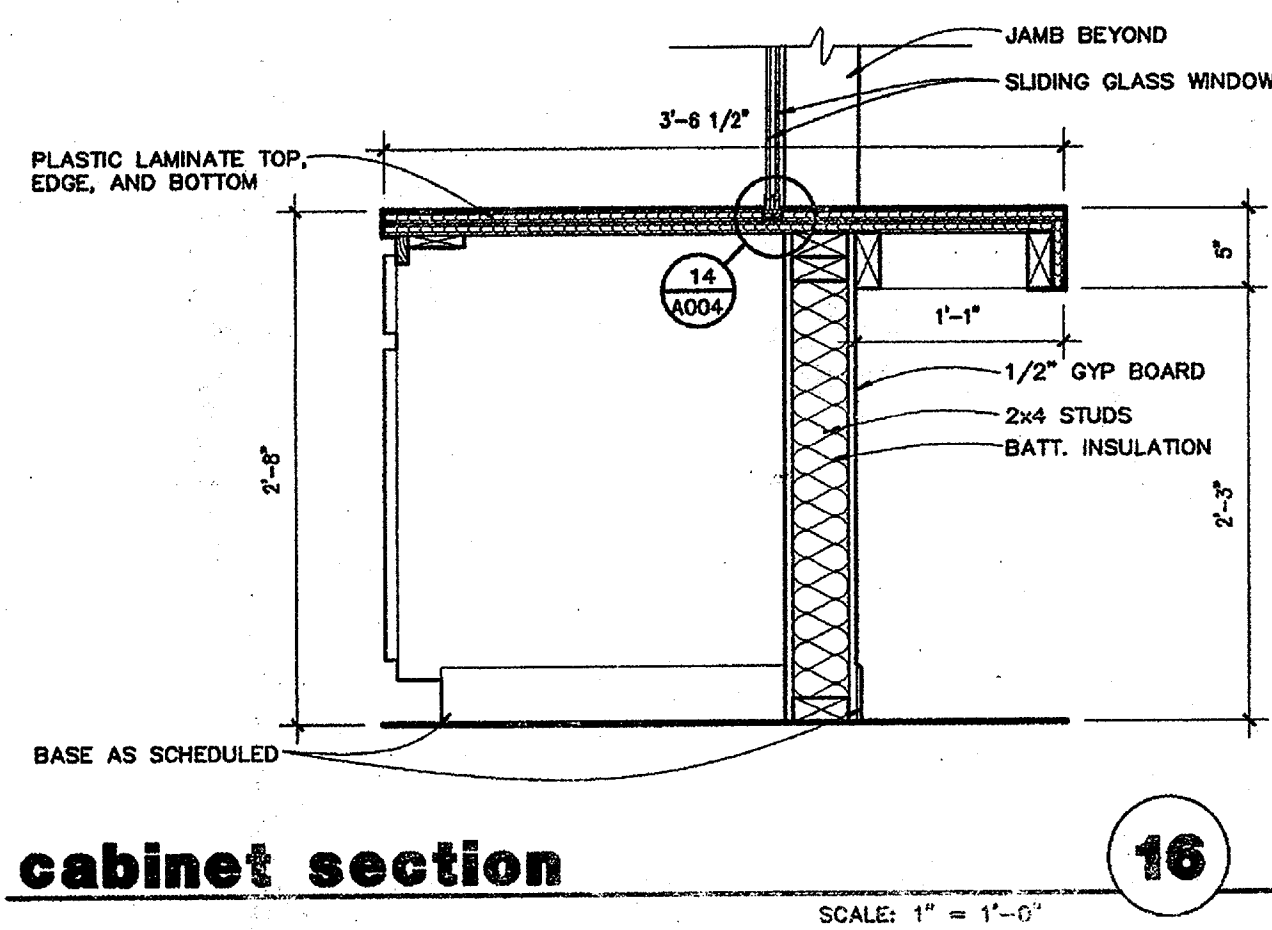
wall section **C**
SCALE: 1/2" = 1'-0"



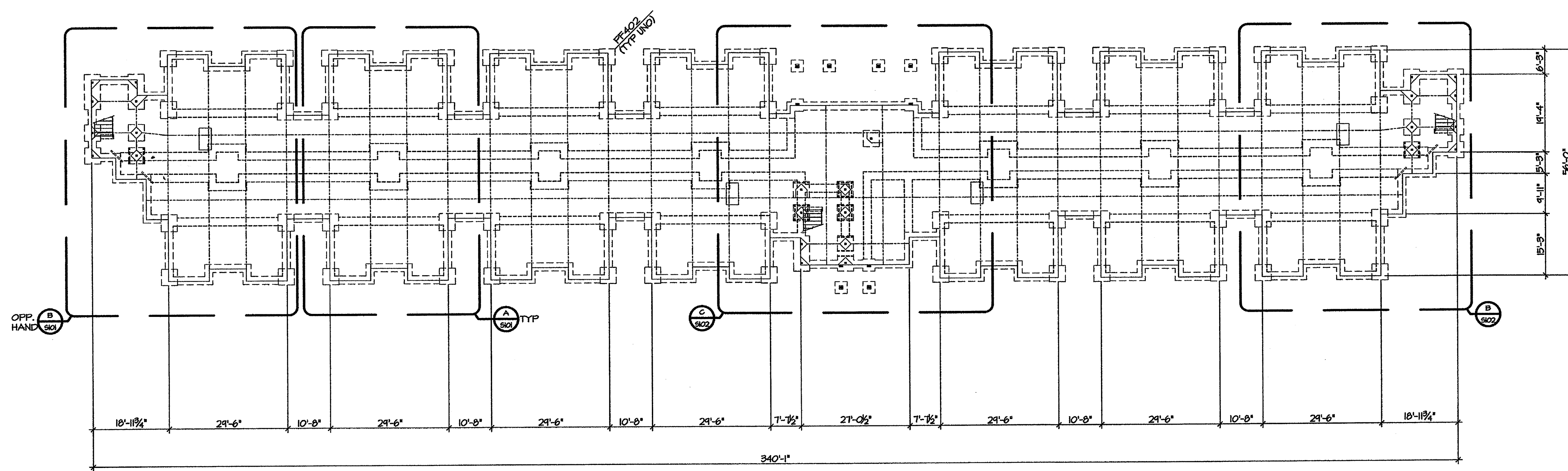
wall section **B**
SCALE: 1/2" = 1'-0"



wall section **A**
SCALE: 1/2" = 1'-0"



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BRACKETT KRENNERICH
KRENNERICH
 REGISTERED ARCHITECTS
 ARKANSAS
 9 NOV 01
 MILLWORK SECTION
 Commission Number 10404R
A60
 Date: November 5



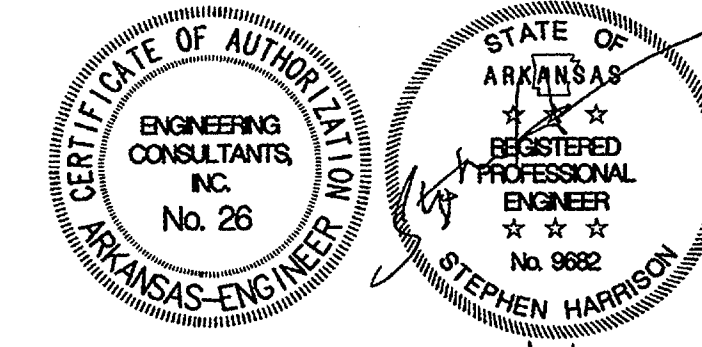
PAD FOOTING SCHEDULE				
MARK	PAD SIZE			REINFORCING
	"A"	"L"	"B"	
FF300	3'-0"	3'-0"	1'-4"	4-#5 BOT (EACH WAY)
FF400	4'-0"	4'-0"	1'-4"	6-#5 BOT (EACH WAY)
FF402	4'-0"	4'-0"	2'-0"	6-#5 (T&B) (EACH WAY)

PLAN NOTES
 1. ALL DIMENSIONS ARE TO THE EDGE OF SLAB TYP UNO.
 2. SEE ENLARGED PLANS ON SHEET S101 & S102 FOR ADD'L DIMENSIONS
 3. SEE ENLARGED PLANS ON SHEET S101 & S102 FOR ADD'L DIMENSIONS FOR HOLDDOWNS.

FOUNDATION PLAN
 SCALE: 1/16" = 1'-0"

TYP. SLAB CONST
 4" CONCRETE SLAB W/
 6x6-#2, 12x12, 12x12 WAF ON
 VAPOR BARRIER (SEE ARCH)
 OVER 4" DRAINAGE FILL
 FIN. FLR. = SEE SITE PLAN (10'-0")

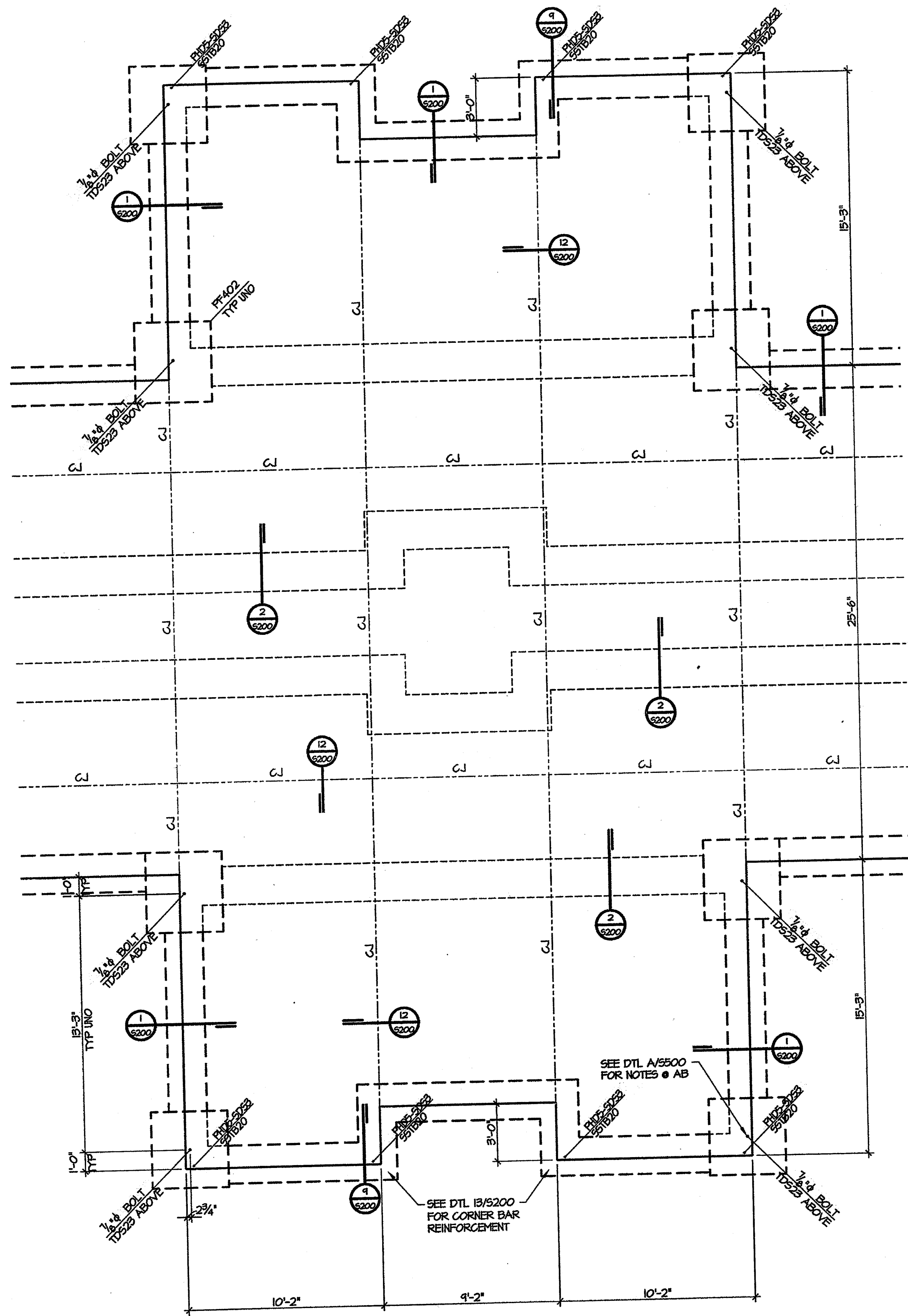
Engineering Consultants, Inc.
 Structural Engineers
 401 West Capitol Avenue, Suite 305
 Little Rock, Arkansas 72201-3401
 Phone No: (501) 376-3752
 Fax No: (501) 376-7314



OVERALL
 FOUNDATION
 PLAN

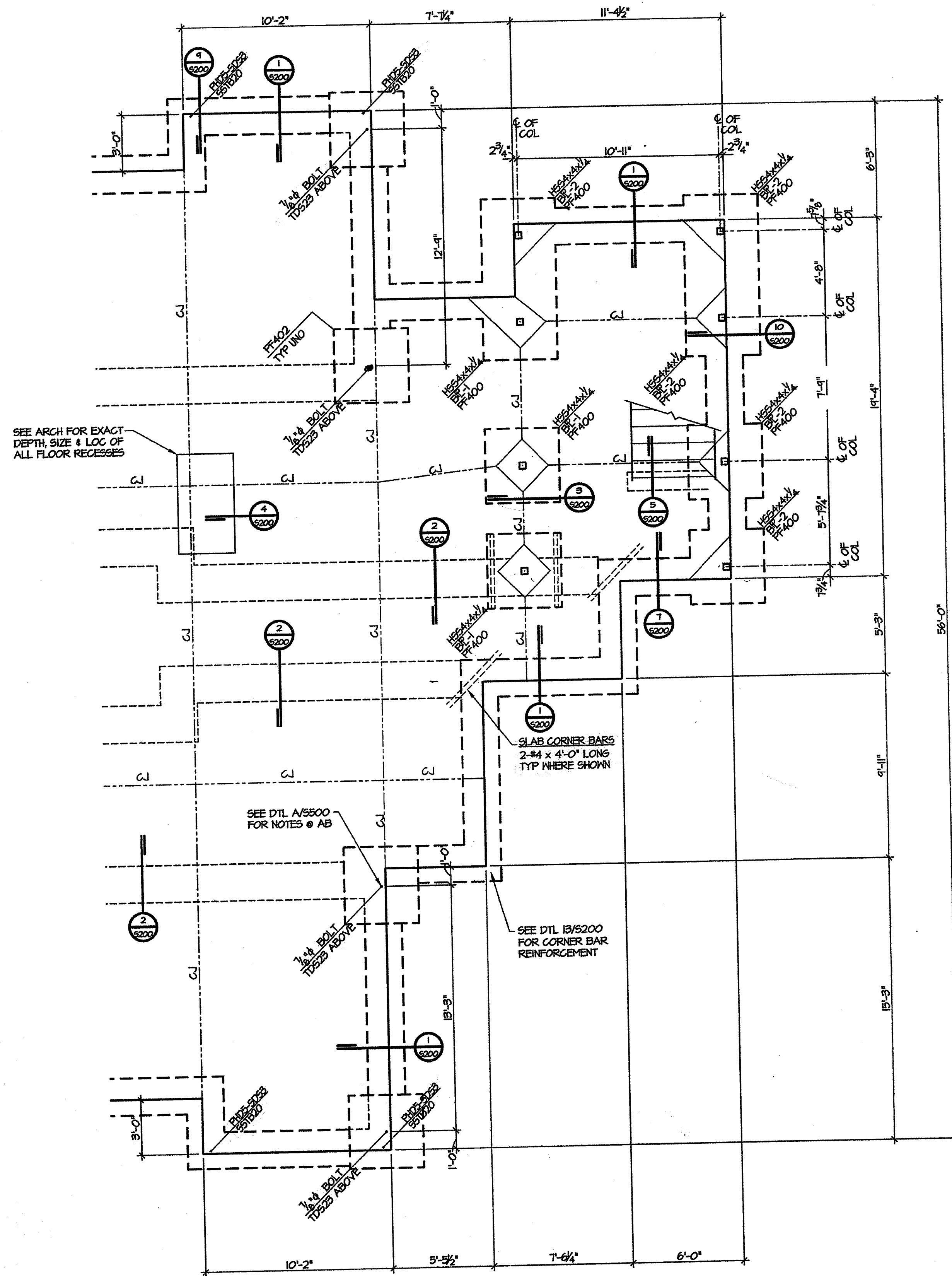
Commission No.
 10404R
S10
 Date: NOVEMBER

11/7/04



SEE SHEET S100 & S000 FOR ADD'L NOTES

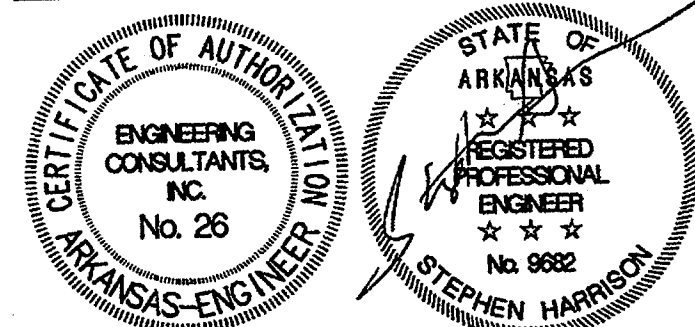
A PARTIAL FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



SEE SHEET S100 & S000 FOR ADD'L NOTES

B PARTIAL FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

Engineering Consultants, Inc.
Structural Engineers
401 West Capitol Avenue, Suite 305
Little Rock, Arkansas 72201-3401
Phone No: (501) 376-3752
Fax No: (501) 376-7314



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COMMUNITY**
ARKANSAS STATE UNIVERSITY



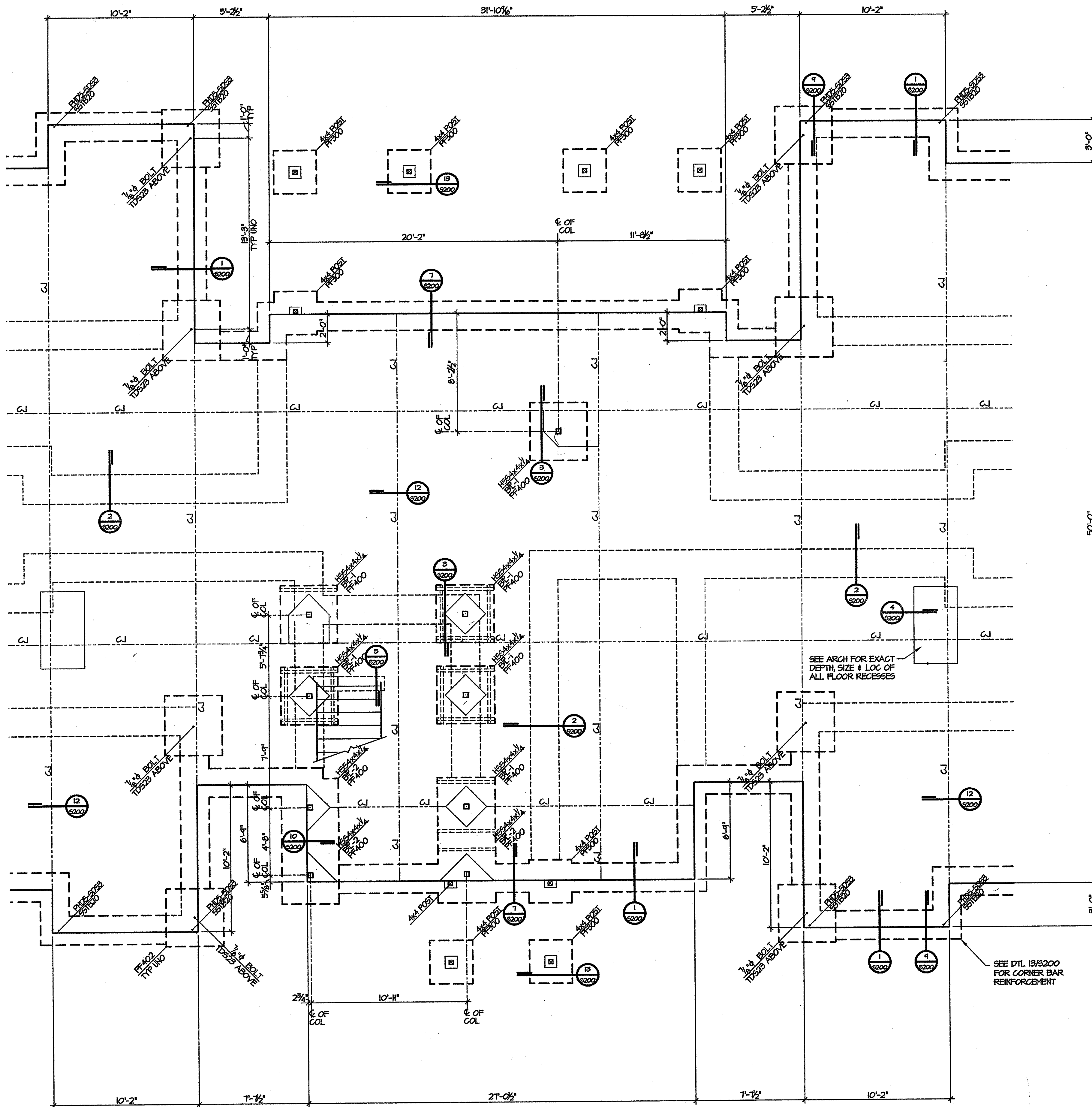
PARTIAL
FOUNDATION PLAN

Commission No.
10404R

S10

Date: NOVEMBER

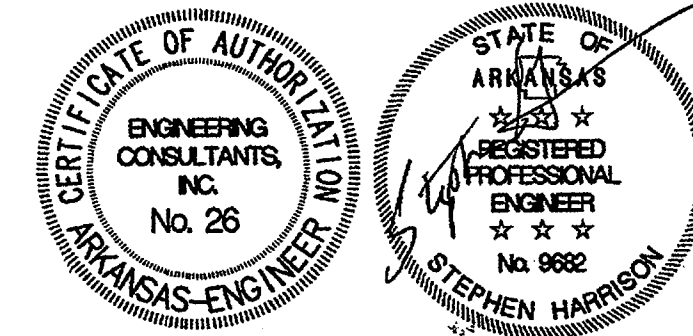
11/7/04



SEE SHEET S100 & S200 FOR ADDL NOTES

(C) PARTIAL FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

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Structural Engineers
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Little Rock, Arkansas 72201-3401
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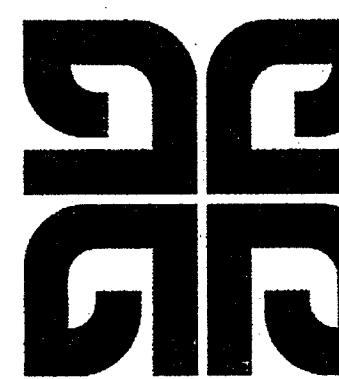
PARTIAL
FOUNDATION PLAN

Commission Number
10404R

S102

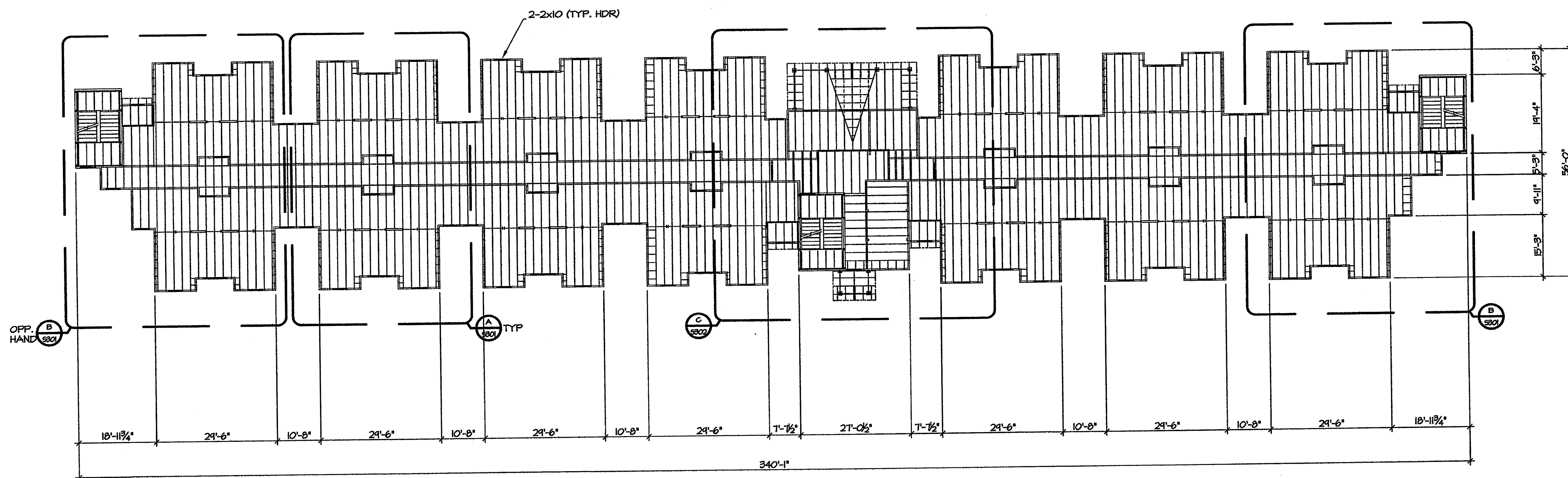
Date: NOVEMBER 5,

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COMMUNITY**
ARKANSAS STATE UNIVERSITY



**BRACKETT
KRENNERICH**

11/7/04



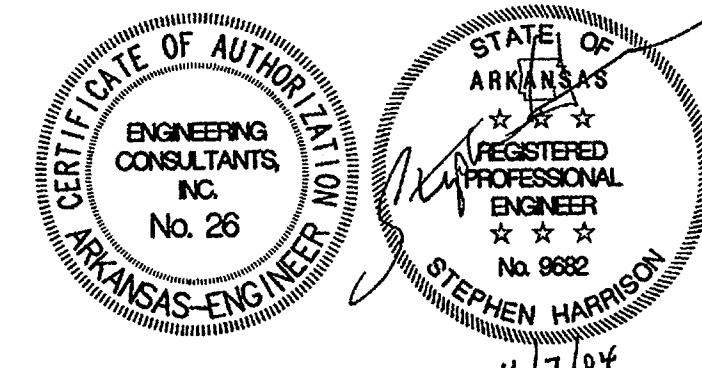
TYPICAL FLOOR CONSTRUCTION
 1 1/2" GYPCRETE OVER 3/4" T&G,
 APA RATED STURD-I-FLOOR,
 5-PLY, PLYWOOD ON WOOD
 I BEAMS. SEE GENERAL NOTES
 & DETAILS FOR ADDITIONAL
 FASTENING NOTES.
 FIN FLR EL. (410'-7 1/8")

- PLAN NOTES**
1. SEE GENERAL NOTES FOR PREMANUFACTURED WOOD BEAM PROPERTIES.
 2. SEE ENLARGED PLANS ON SHEET S301 & S302 FOR ADD'L DIMENSIONS
 3. SPACE ALL WOOD I BEAMS @ 24" O.C. (MAXIMUM)

SECOND FLOOR FRAMING PLAN

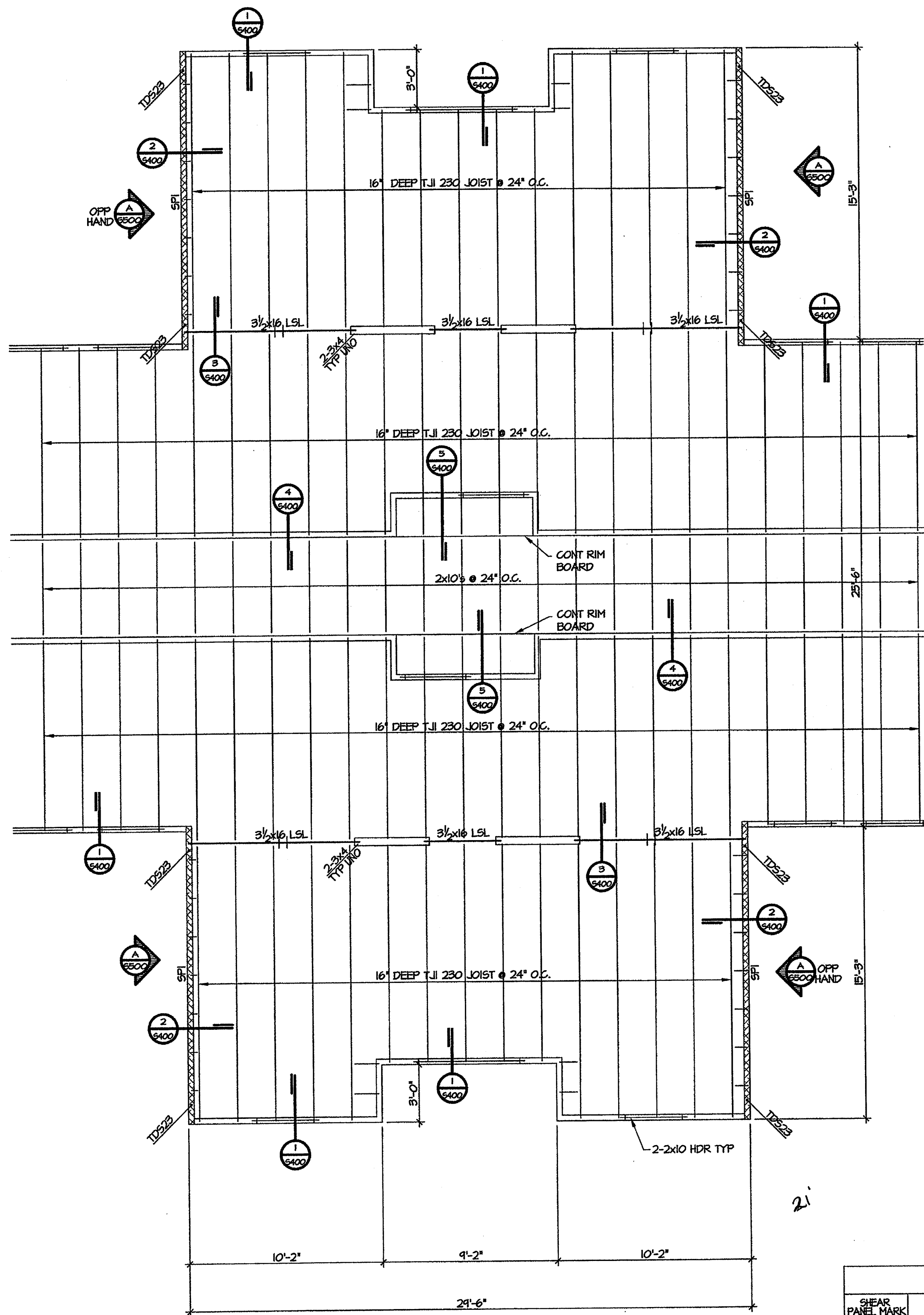
SCALE: 1/16" = 1'-0"

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 Structural Engineers
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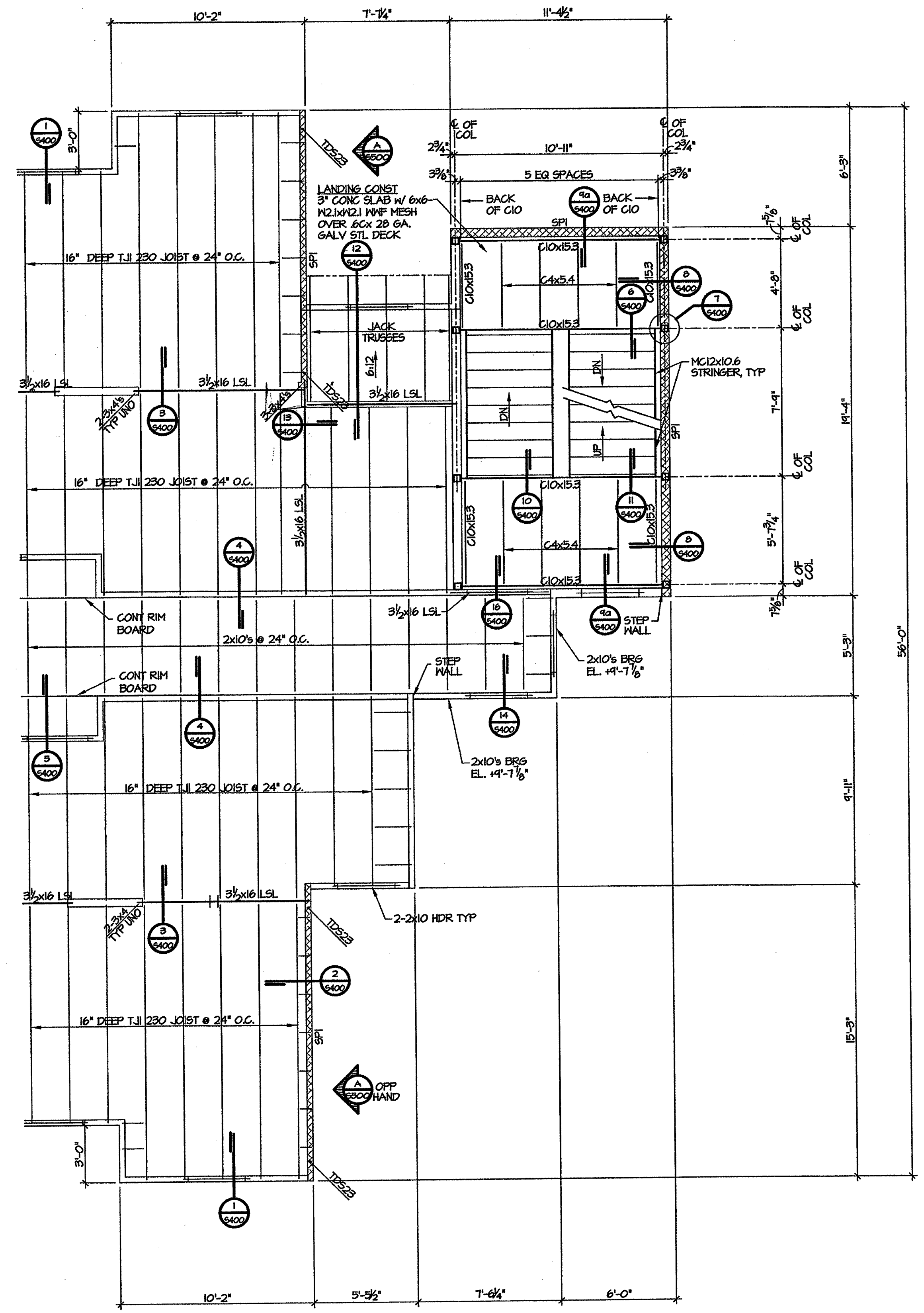


OVERALL
SECOND FLOOR
FRAMING PLAN
 Commission
10404
S301
 Date: NOVEMBER 11, 2004

11/7/04



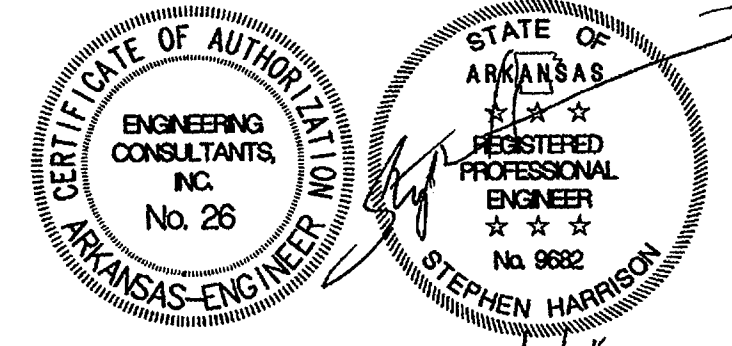
A PARTIAL SECOND FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"



B PARTIAL SECOND FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

SHEAR PANEL SHEATHING NOTES			
SHEAR PANEL MARK	LOCATION	LAYERS OF OSB SHEATHING	NAILING @ PANEL EDGES
SP1	1ST TO 2ND FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.
SP2	1ST TO 2ND FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.

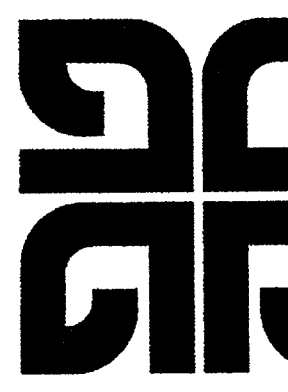
Engineering Consultants, Inc.
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Little Rock, Arkansas 72201-3401
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Fax No: (501) 376-7314



PARTIAL
SECOND FL
FRAMING P

Commission 10404
S30
Date: NOVEMBER

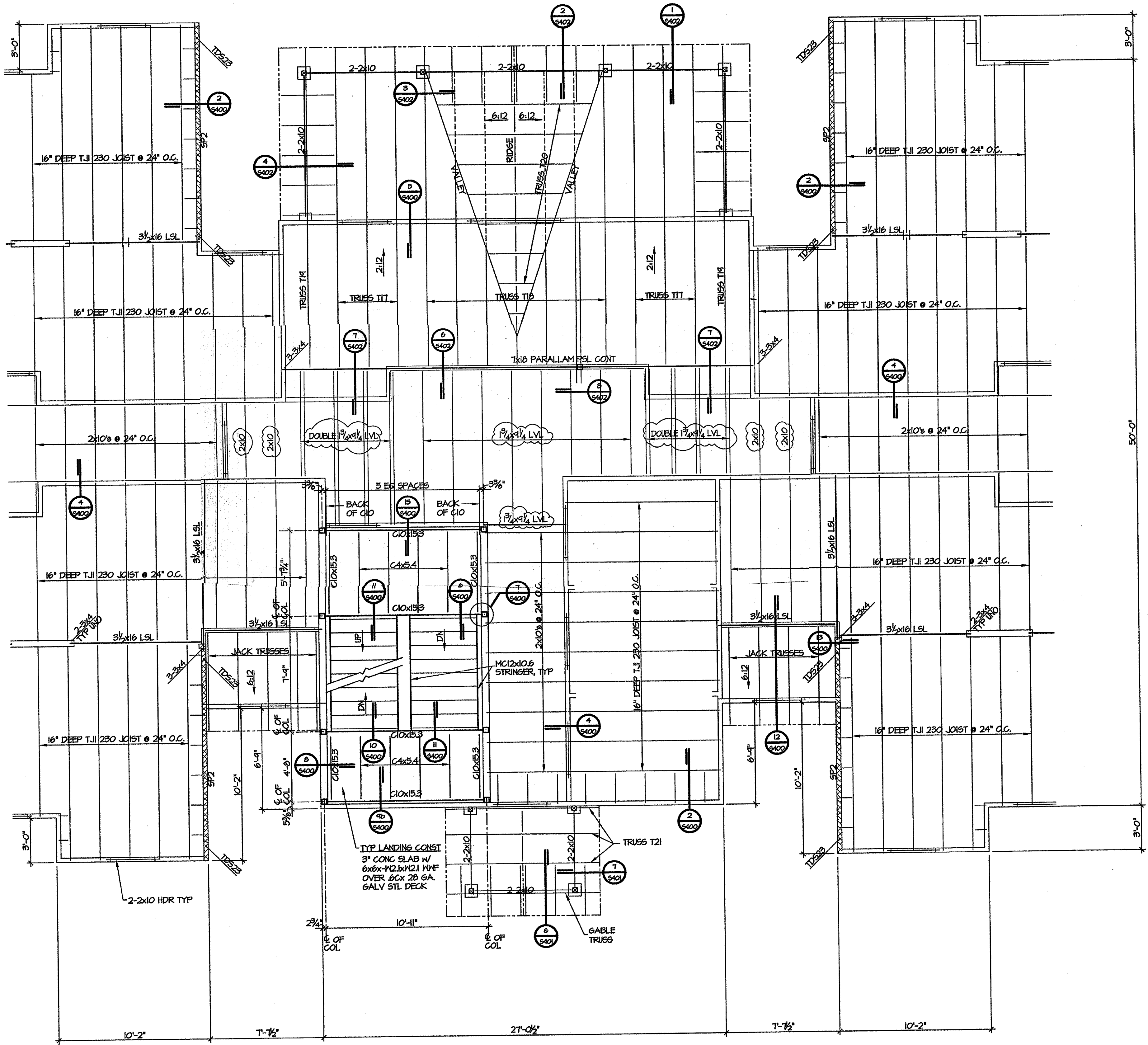
**NEW RESIDENCE HALL
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KRENNERICH**

11/7/04

SHEAR PANEL SHEATHING NOTES			
SHEAR PANEL MARK	LOCATION	LAYERS OF OSB SHEATHING	NAILING @ PANEL EDGES
SP1	1ST TO 2ND FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.
SP2	1ST TO 2ND FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.

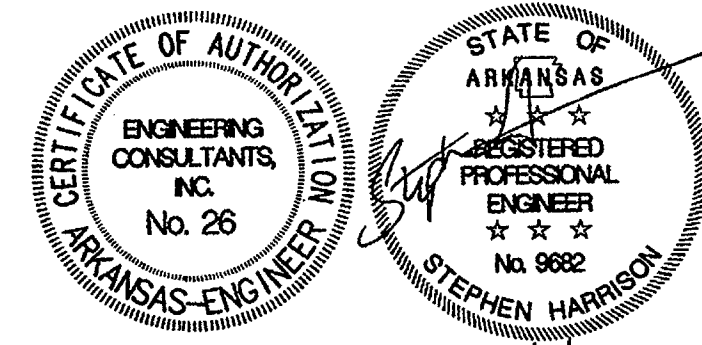


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2196

SEE SHEET S300 & S300 FOR ADD'L NOTES

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

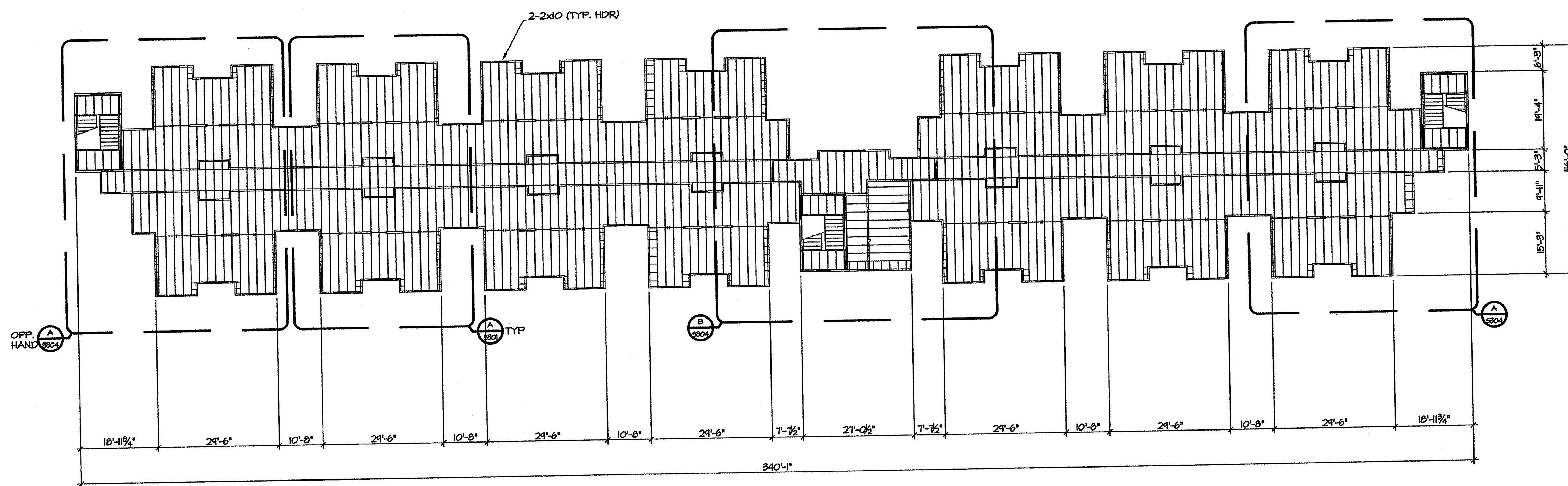
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Structural Engineers
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Little Rock, Arkansas 72201-3401
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Fax No: (501) 376-7314



PARTIAL
SECOND FL
FRAMING P

Commission 10404
S30
Date: NOVEMBER

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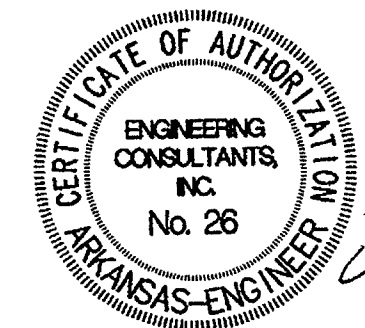
TYPICAL FLOOR CONSTRUCTION
1 1/2" GYPCRETE OVER 3/4" T&G,
APA RATED STURD-I-FLOOR,
5-PLY, PLYWOOD ON WOOD
I BEAMS. SEE GENERAL NOTES
& DETAILS FOR ADDITIONAL
FASTENING NOTES.
FIN FLR EL (+21'-2 3/4")

PLAN NOTES
1. SEE GENERAL NOTES FOR PREMANUFACTURED
WOOD BEAM PROPERTIES.
2. SEE ENLARGED PLANS ON SHEET S301 & S304
FOR ADD'L DIMENSIONS
3. SPACE ALL WOOD I BEAMS @ 24" O.C. (MAXIMUM)

THIRD FLOOR FRAMING PLAN

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

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OVERLA
THIRD FL
FRAMING

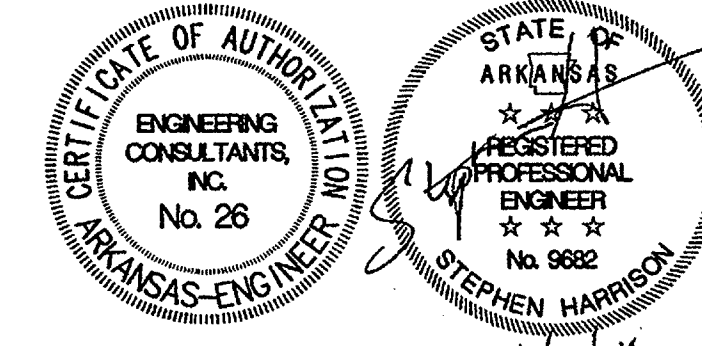
Commission
1040

S30

Date: NOVEM

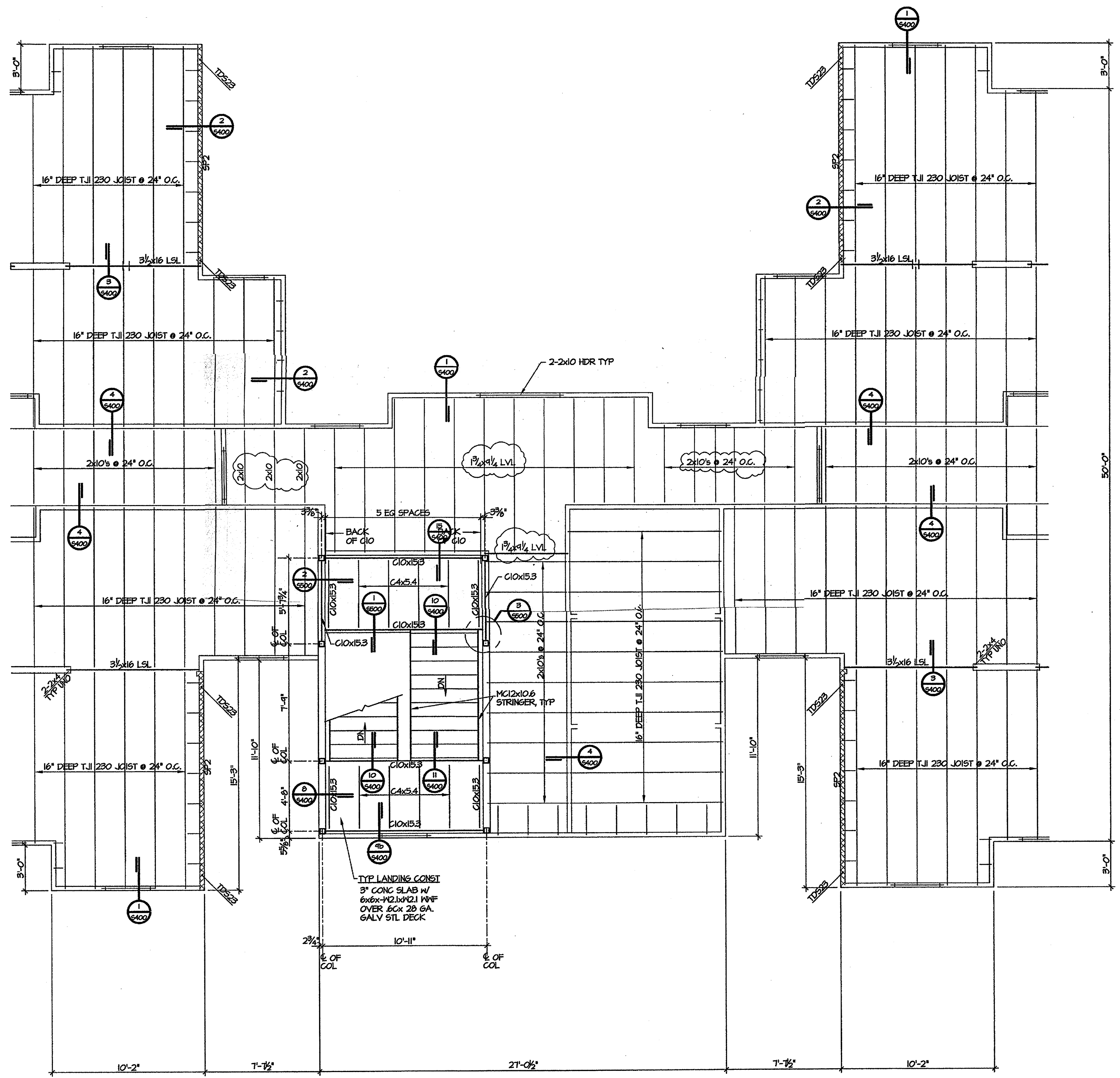
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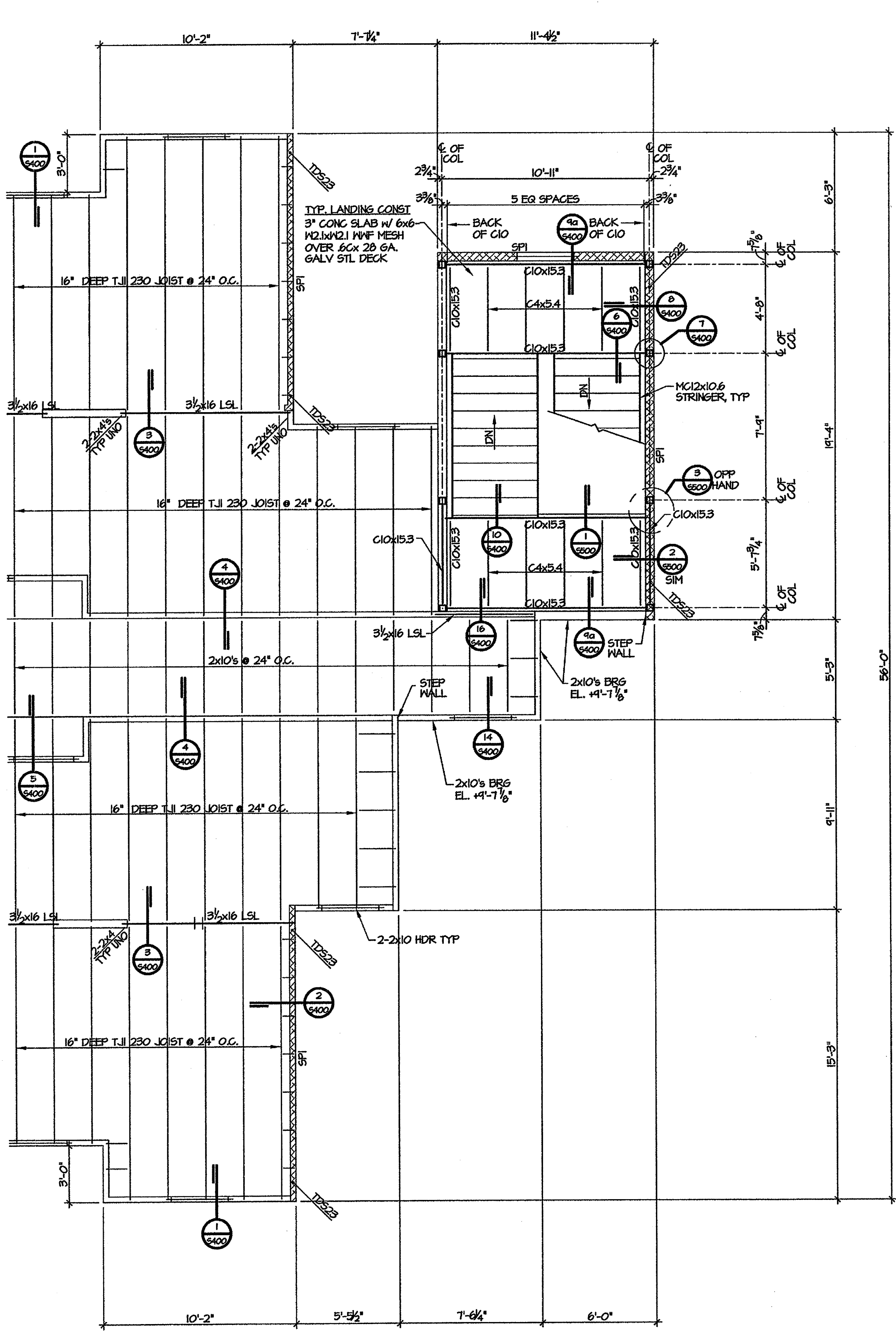
SEE SHEET S303 & S000 FOR ADDL NOTES

(B) PARTIAL THIRD FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

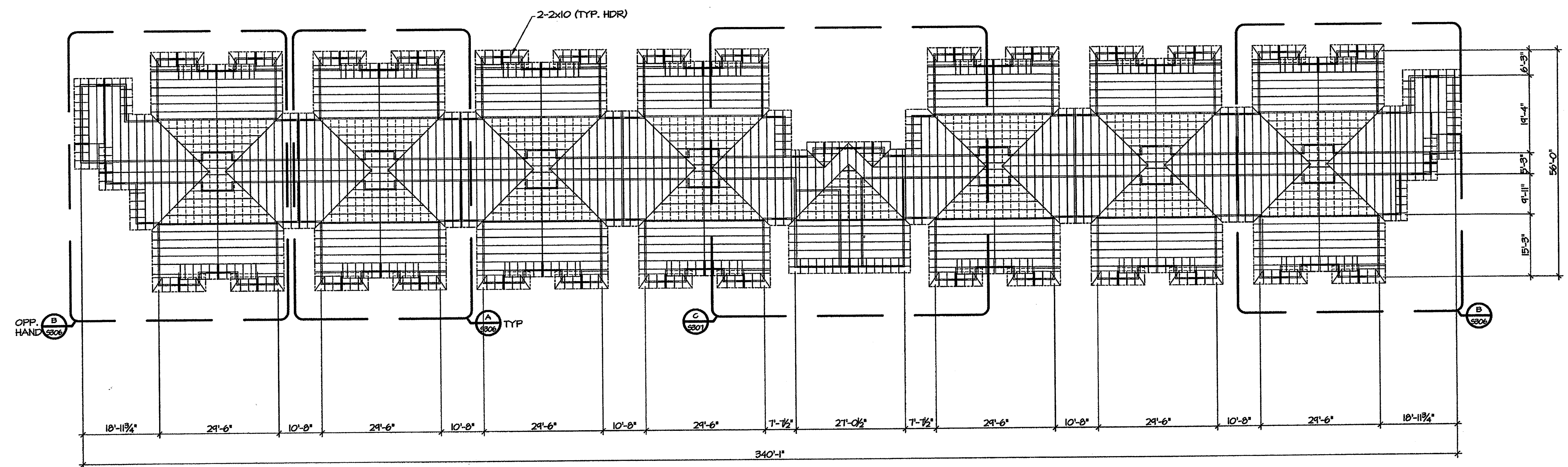


SEE SHEET S303 & S000 FOR ADDL NOTES

(A) PARTIAL THIRD FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"



SHEAR PANEL SHEATHING NOTES			
SHEAR PANEL MARK	LOCATION	LAYERS OF OSB SHEATHING	NAILING @ PANEL EDGES
SP1	1ST TO 2ND FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.
SP2	1ST TO 2ND FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.



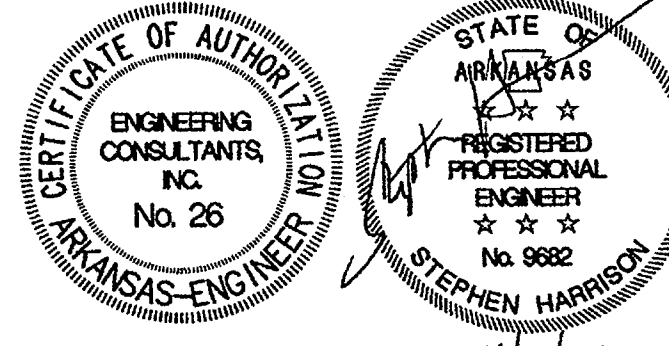
TYP. ROOF CONSTRUCTION
 5/8" APA RATED PLYWOOD
 OVER TRUSSES OR 2X FRAMING
 SEE GENERAL NOTES FOR ADD'L
 FASTENING NOTES
 TRUSS BRG EL (430'-3 1/8" TYP UNO)

- PLAN NOTES**
1. SEE SHEET S000 FOR TRUSS DESIGN NOTES.
 2. SEE ENLARGED PLANS ON SHEET S306 & S307 FOR ADD'L DIMENSIONS.
 3. SPACE ALL TRUSSES AND BLK AT 2'-0" O.C. (MAXIMUM)

ROOF FRAMING PLAN

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

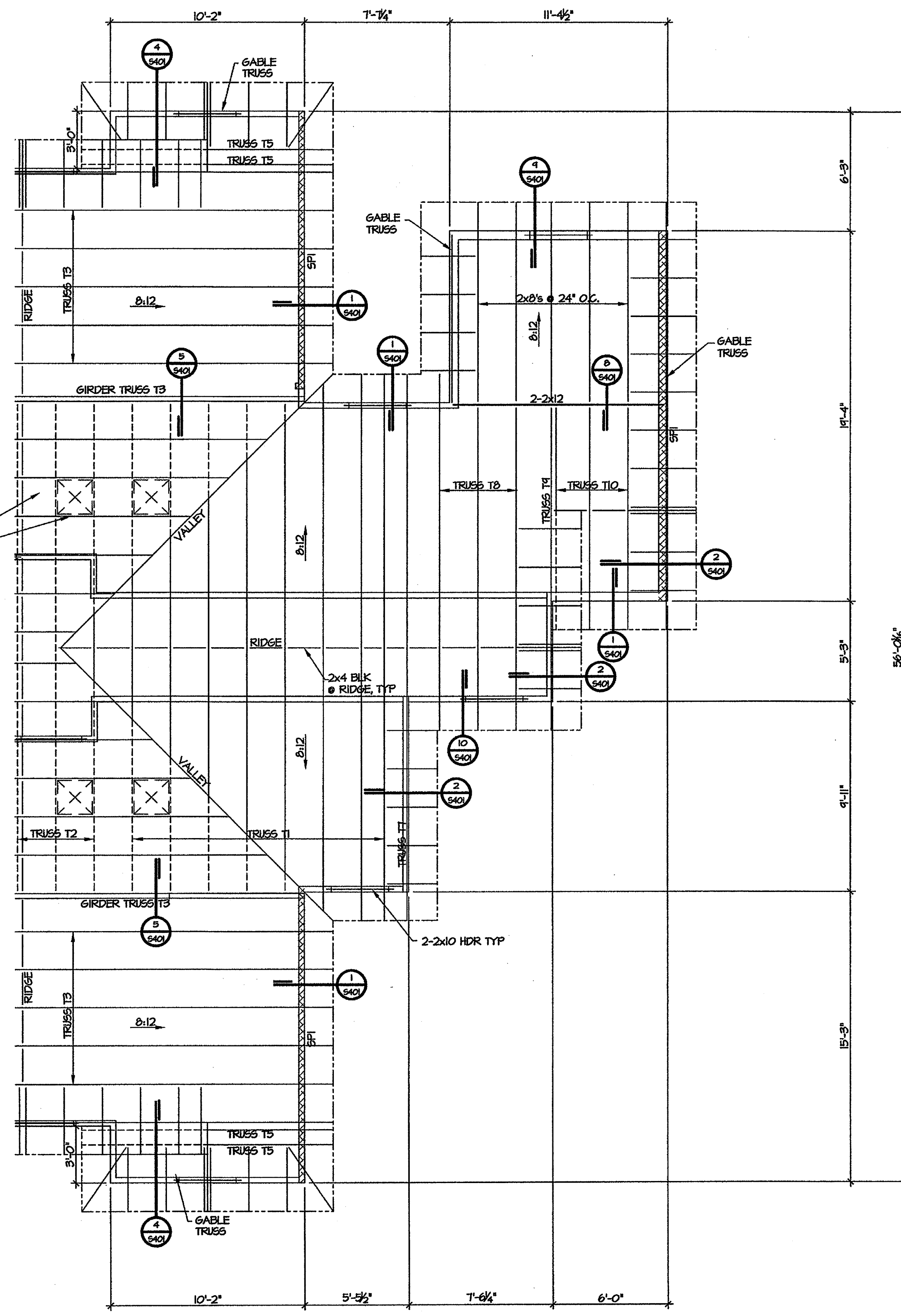
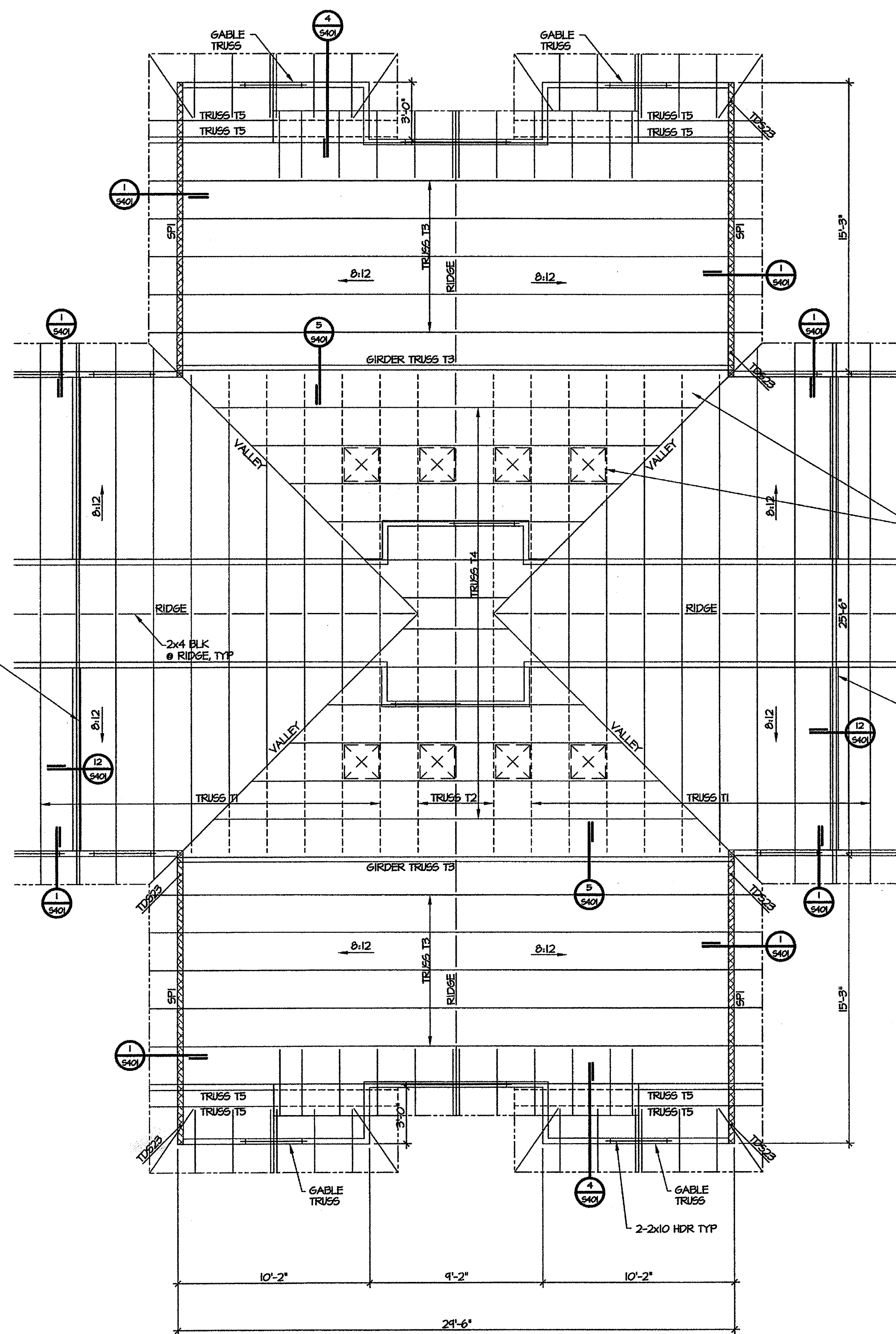
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 Phone No: (501) 376-3752
 Fax No: (501) 376-7314



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Date: NOVEMBER

11/7/04



COMPLETELY SHEATH TRUSSES AT ALL OVERBUILT AREAS & PROVIDE ACCESS OPENINGS AS REQUIRED BY ARCH FOR ACCESS AND VENTILATION (TYP)

DRAFT STOPPING PROVIDE ADDL TRUSS W/ VERTS @ 16' O.C., SEE ARCH FOR ALL LOC & QUANTITY

DRAFT STOPPING PROVIDE ADDL TRUSS W/ VERTS @ 16' O.C., SEE ARCH FOR ALL LOC & QUANTITY

SEE SHEET S305 & S000 FOR ADDL NOTES

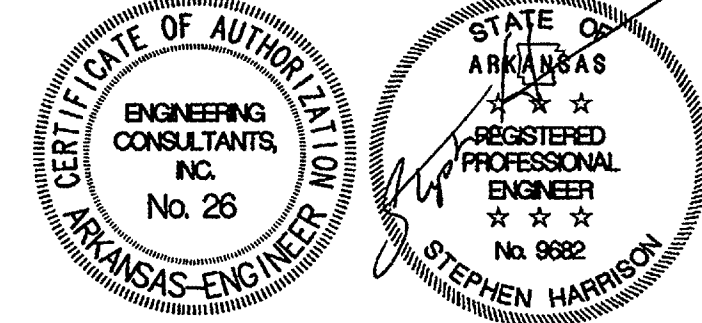
SEE SHEET S305 & S000 FOR ADDL NOTES

A PARTIAL ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

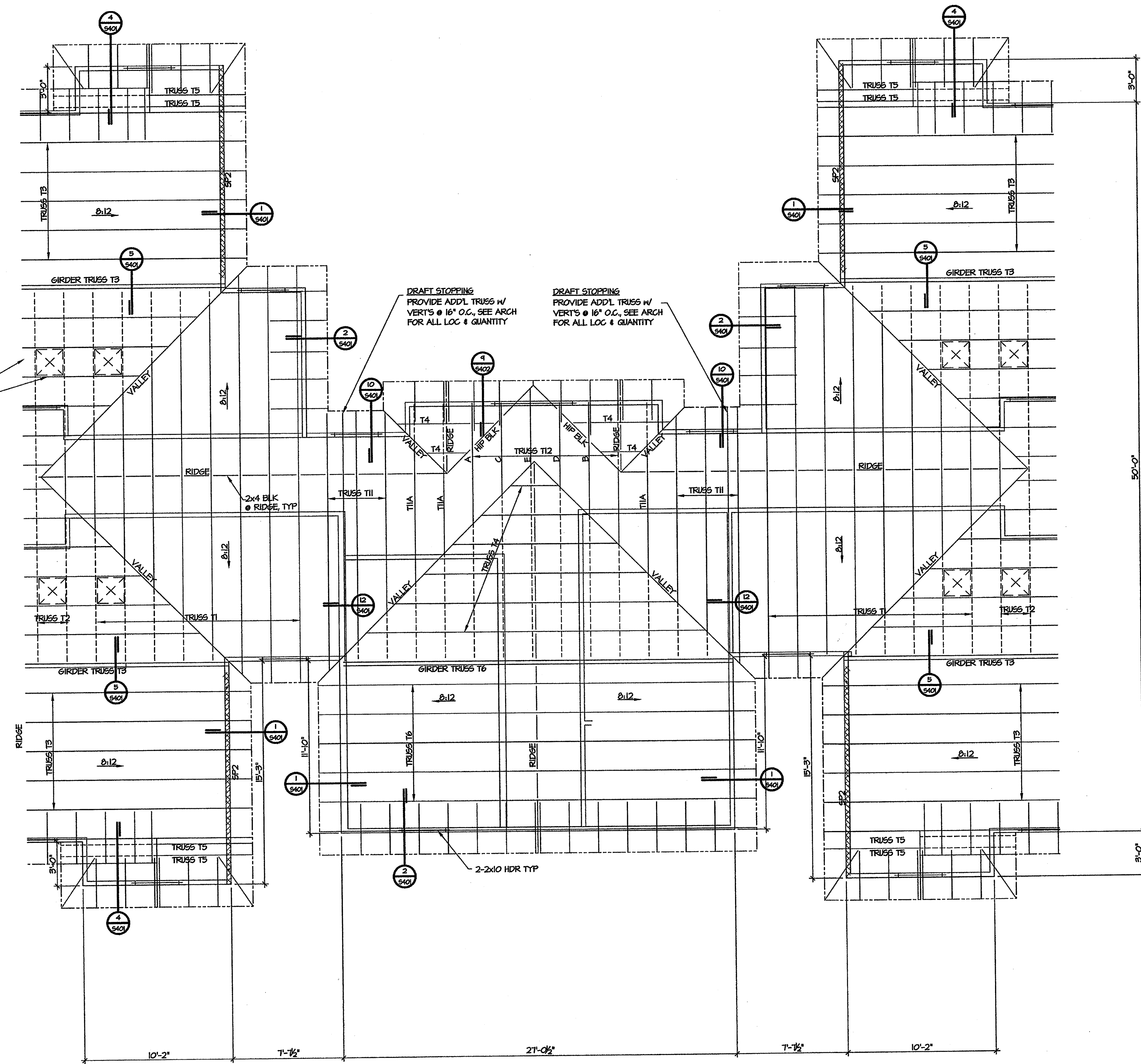
B PARTIAL ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

SHEAR PANEL SHEATHING NOTES			
SHEAR PANEL MARK	LOCATION	LAYERS OF OSB SHEATHING	NAILING @ PANEL EDGES
SP1	1ST TO 2ND FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.
SP2	1ST TO 2ND FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.

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11/7/04



COMPLETELY SHEATH TRUSSES AT ALL OVERBUILT AREAS & PROVIDE ACCESS OPENINGS AS REQUIRED BY ARCH FOR ACCESS AND VENTILATION (TYP)

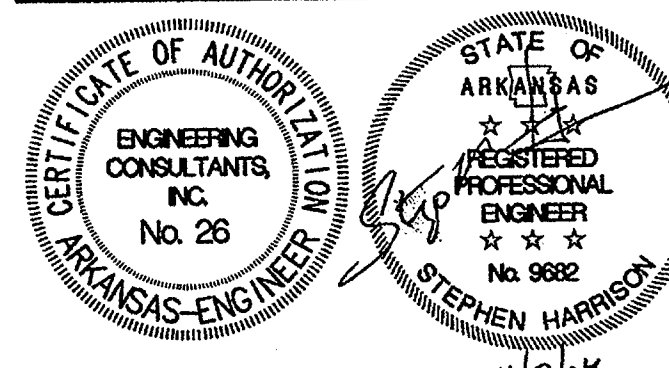
DRAFT STOPPING PROVIDE ADD'L TRUSS W/ VERT'S @ 16" O.C., SEE ARCH FOR ALL LOC & QUANTITY

SHEAR PANEL SHEATHING NOTES			
SHEAR PANEL MARK	LOCATION	LAYERS OF OSB SHEATHING	NAILING @ PANEL EDGES
SP1	1ST TO 2ND FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	1 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.
SP2	1ST TO 2ND FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 3" O.C.
	2ND TO 3RD FLOOR	2 LAYER OF 1/2" OSB	10D NAILS @ 4" O.C.
	3RD FLOOR TO ROOF	1 LAYER OF 1/2" OSB	8D NAILS @ 6" O.C.

SEE SHEET S305 & S300 FOR ADD'L NOTES

PARTIAL ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

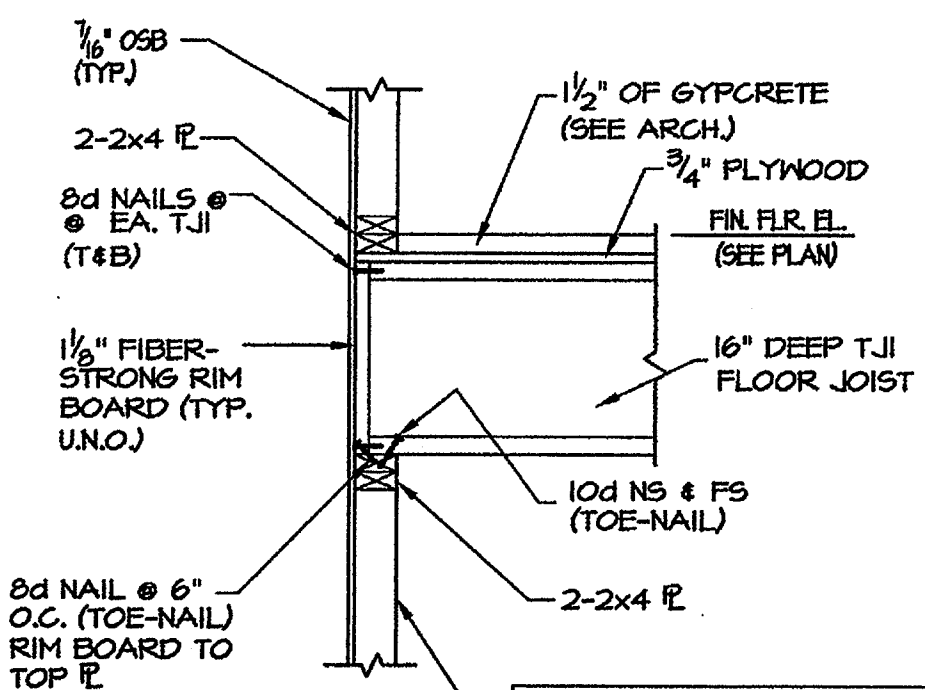
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Structural Engineers
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Little Rock, Arkansas 72201-3401
Phone No: (501) 376-3752
Fax No: (501) 376-7314



PARTIAL ROOF FRAMING PLAN

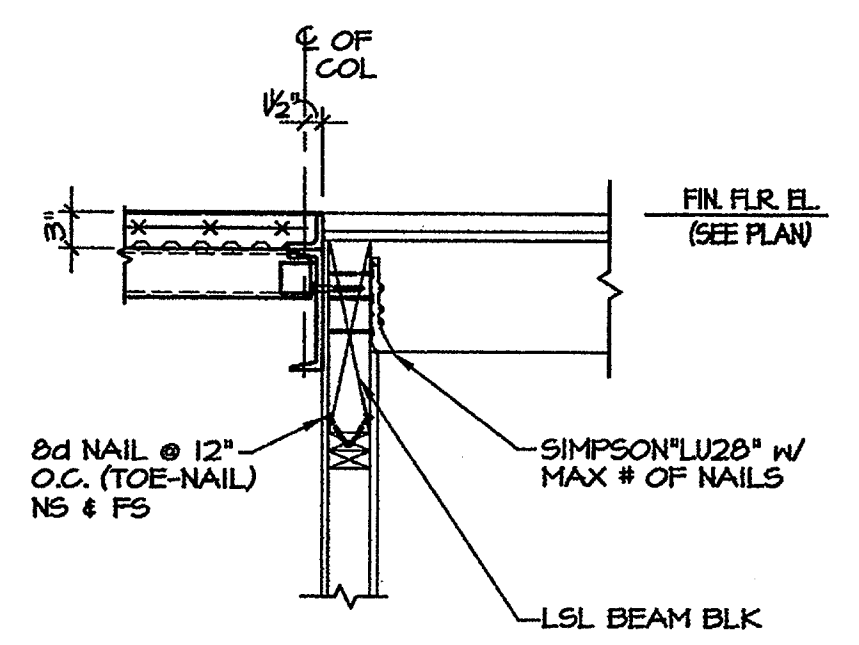
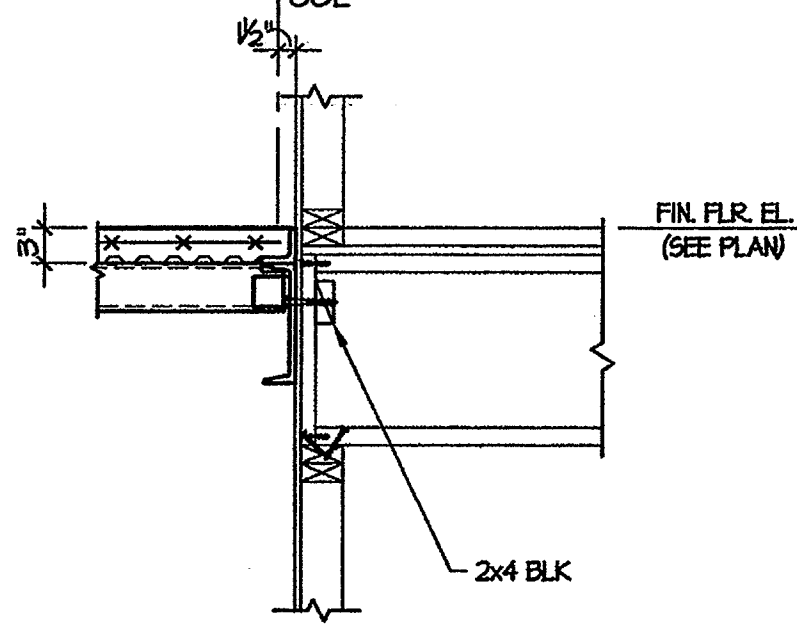
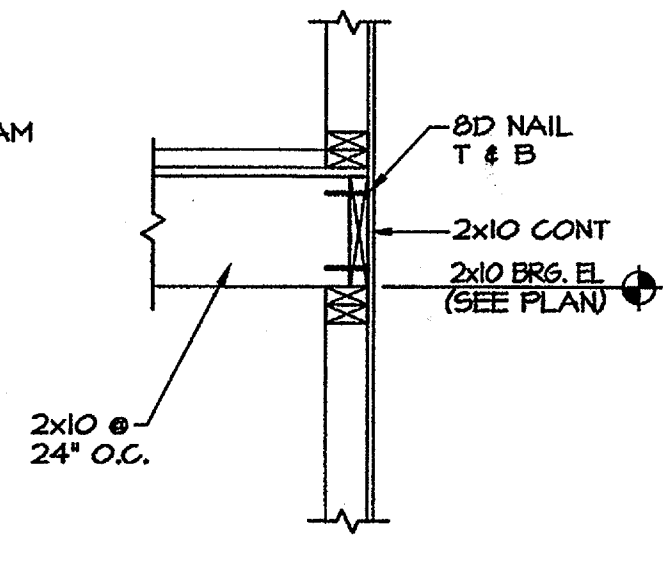
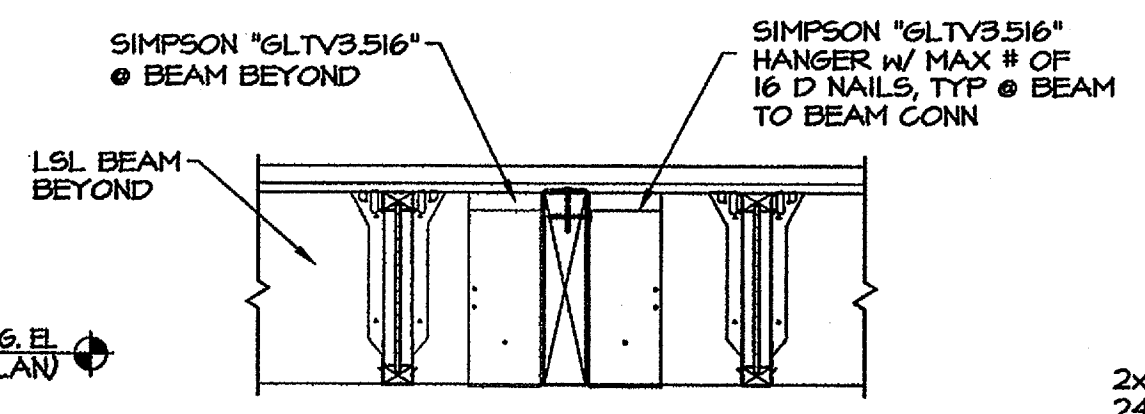
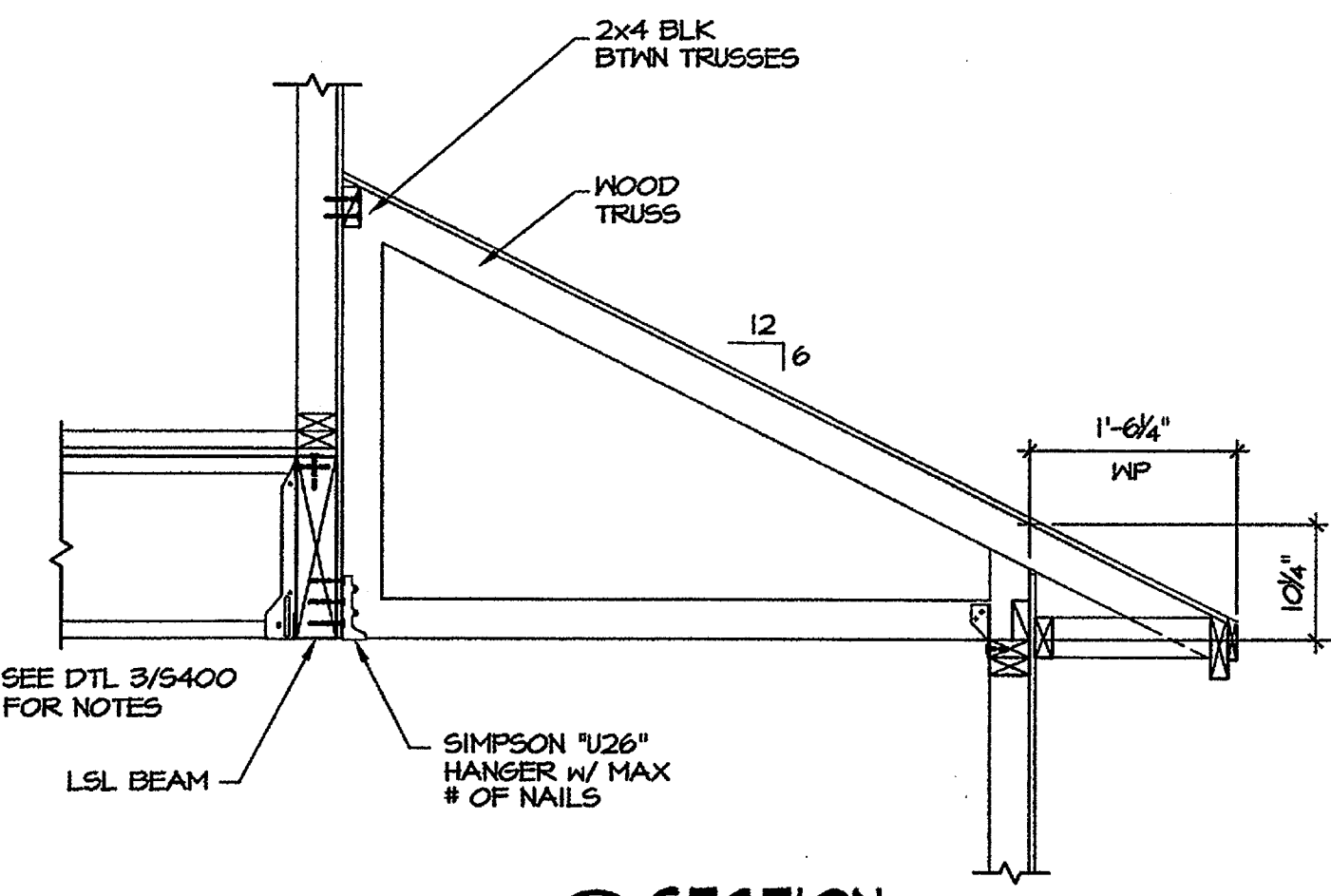
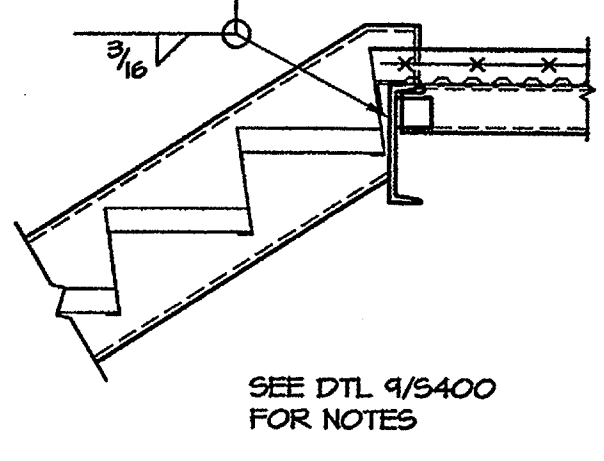
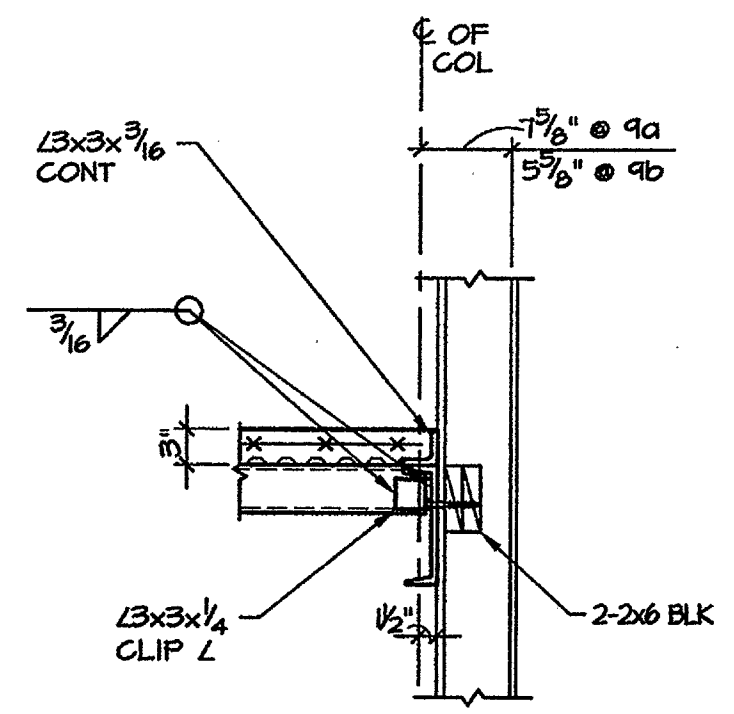
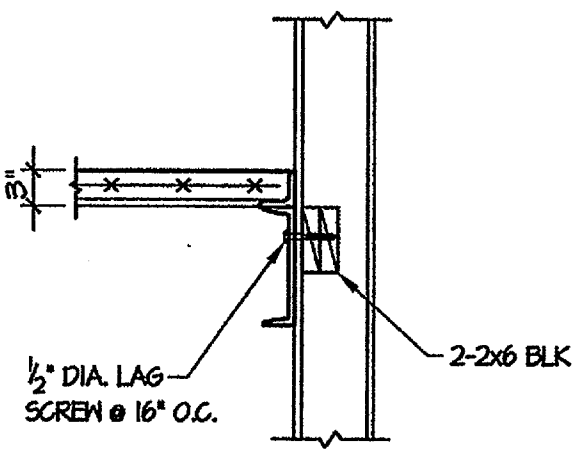
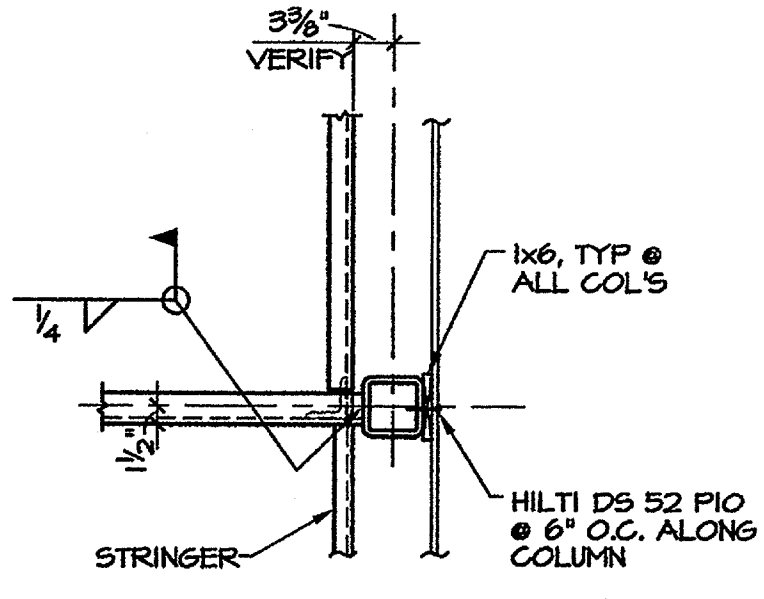
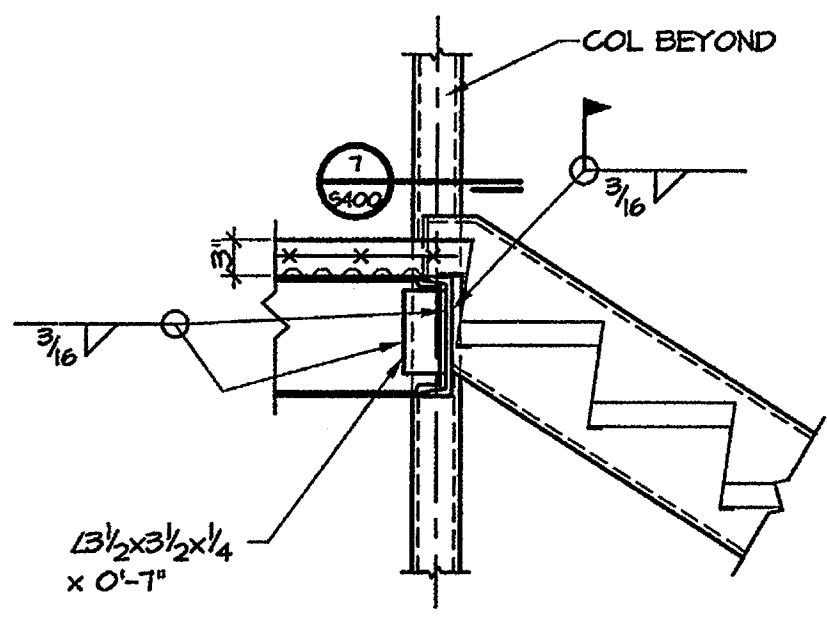
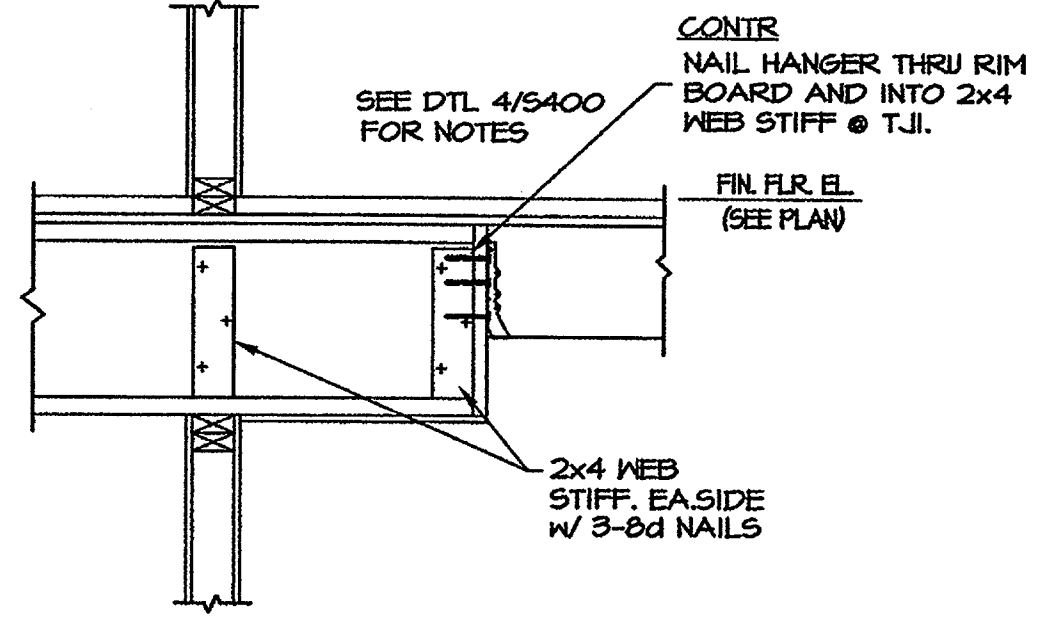
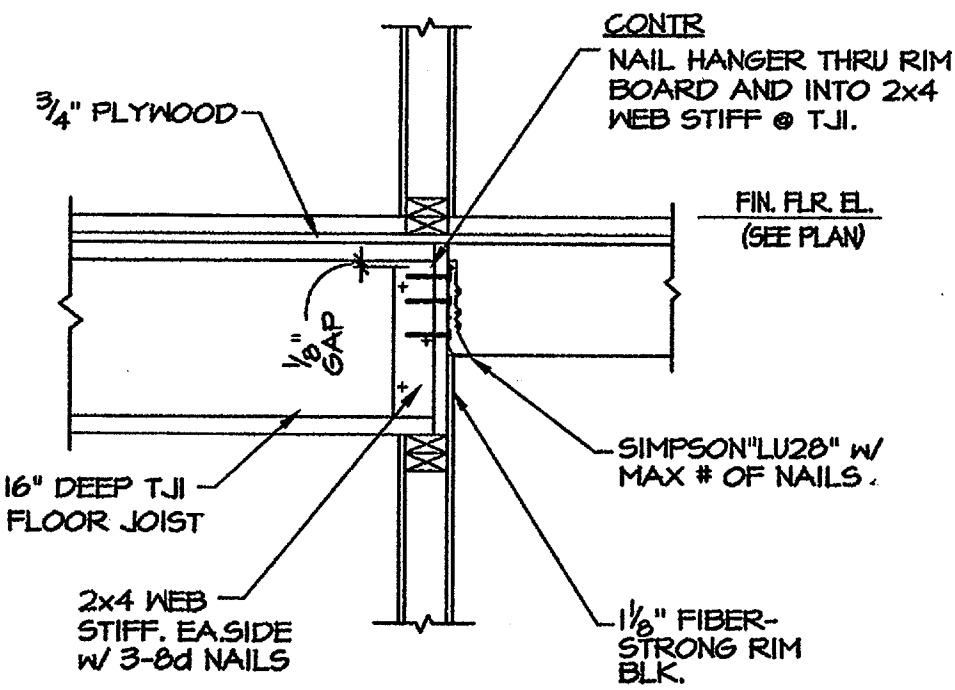
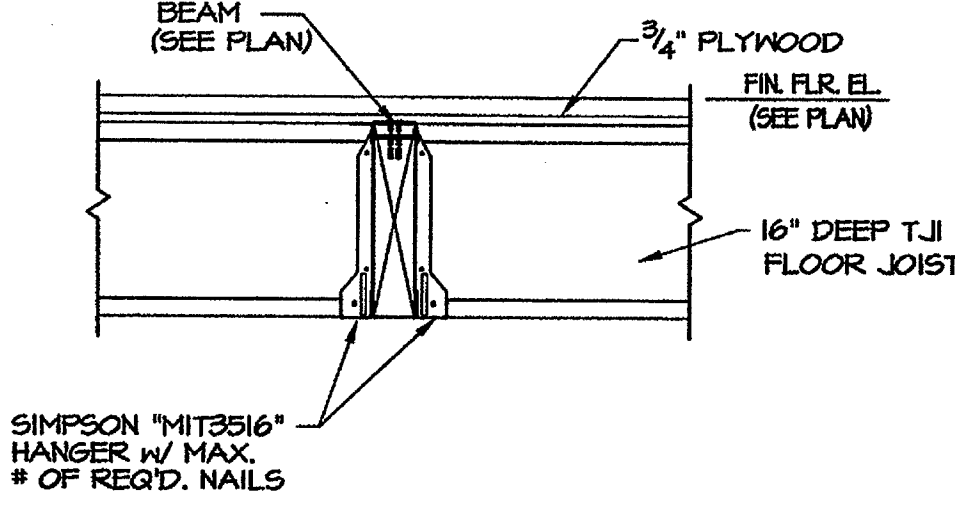
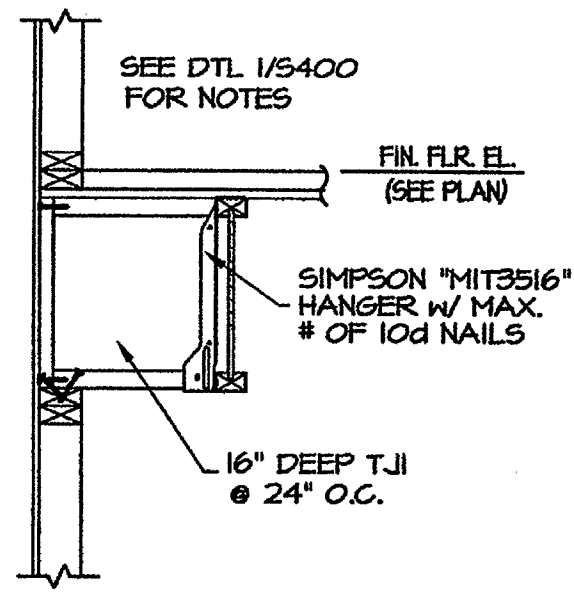
Commission No. 104041
S30
Date: NOVEMBER

11/7/04



EXTERIOR/INTERIOR WALL SCHEDULE	
WALL LOCATION	WALL CONSTRUCTION
1ST FLOOR TO 2ND FLOOR	No. 2 SOUTHERN PINE 3x4 @ 16" o.c. OR No. 2 SOUTHERN PINE DOUBLE 2x4 @ 16" o.c. OR No. 1 SOUTHERN PINE 2x4 @ 12" o.c.
2ND FLOOR TO 3RD FLOOR	No. 2 SOUTHERN PINE 2x4 @ 16" o.c.
3RD FLOOR TO ROOF	No. 2 SOUTHERN PINE 2x4 @ 16" o.c.

- EXCEPTIONS:
- USE NO.2 SOUTHERN PINE 2x4 @ 16" O.C. @ COMMONS BLDG.
 - WHERE ARCH SHOWS 2x6 WALLS USE NO. 2 SOUTHERN PINE 2x6 STUDS @ 16" O.C.



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Phone No: (501) 376-3752
Fax No: (501) 376-7314

CERTIFICATE OF AUTHORITY
ENGINEERING CONSULTANTS, INC.
No. 28
ARKANSAS-ENGINEER

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 9882
STEPHEN HARRISON

Commission No. 10404R
S40
Date: NOVEMBER 11/1/04

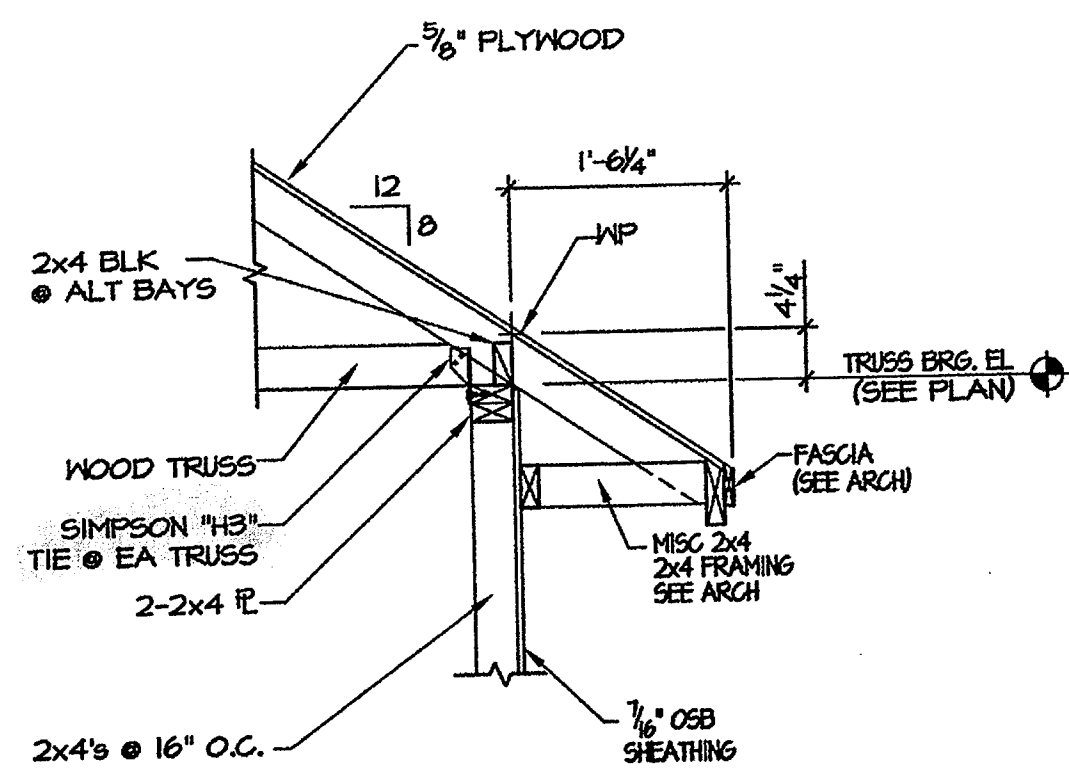
NEW RESIDENCE HALL
COMMUNITY

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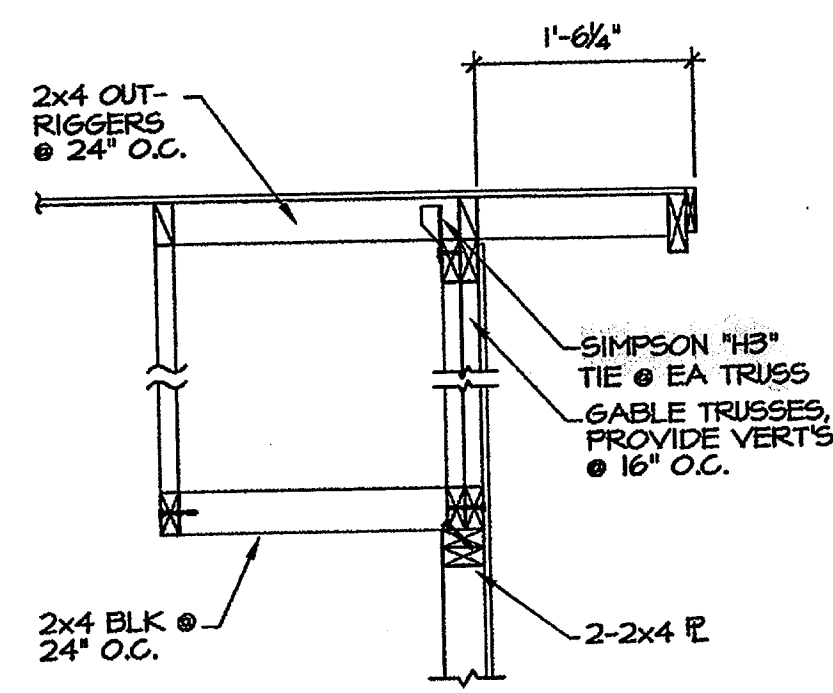
BR

BRACKETT
KRENNERICH

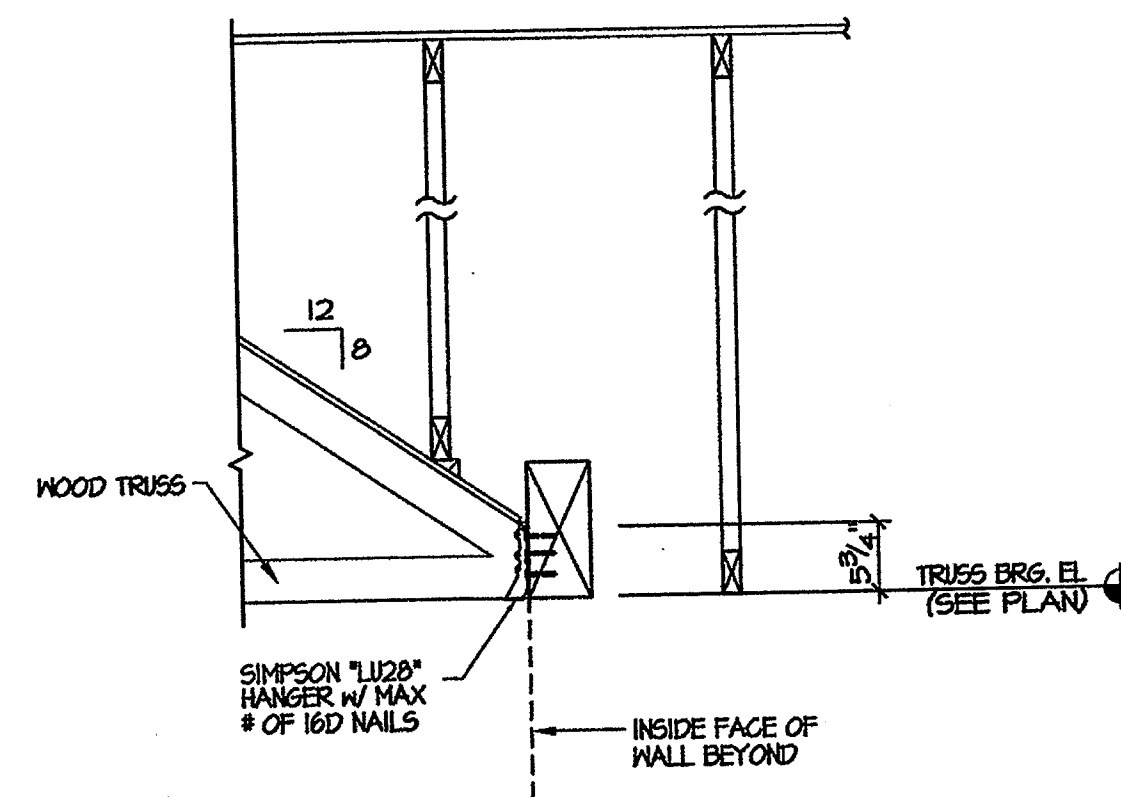
FRAMING
DETAILS



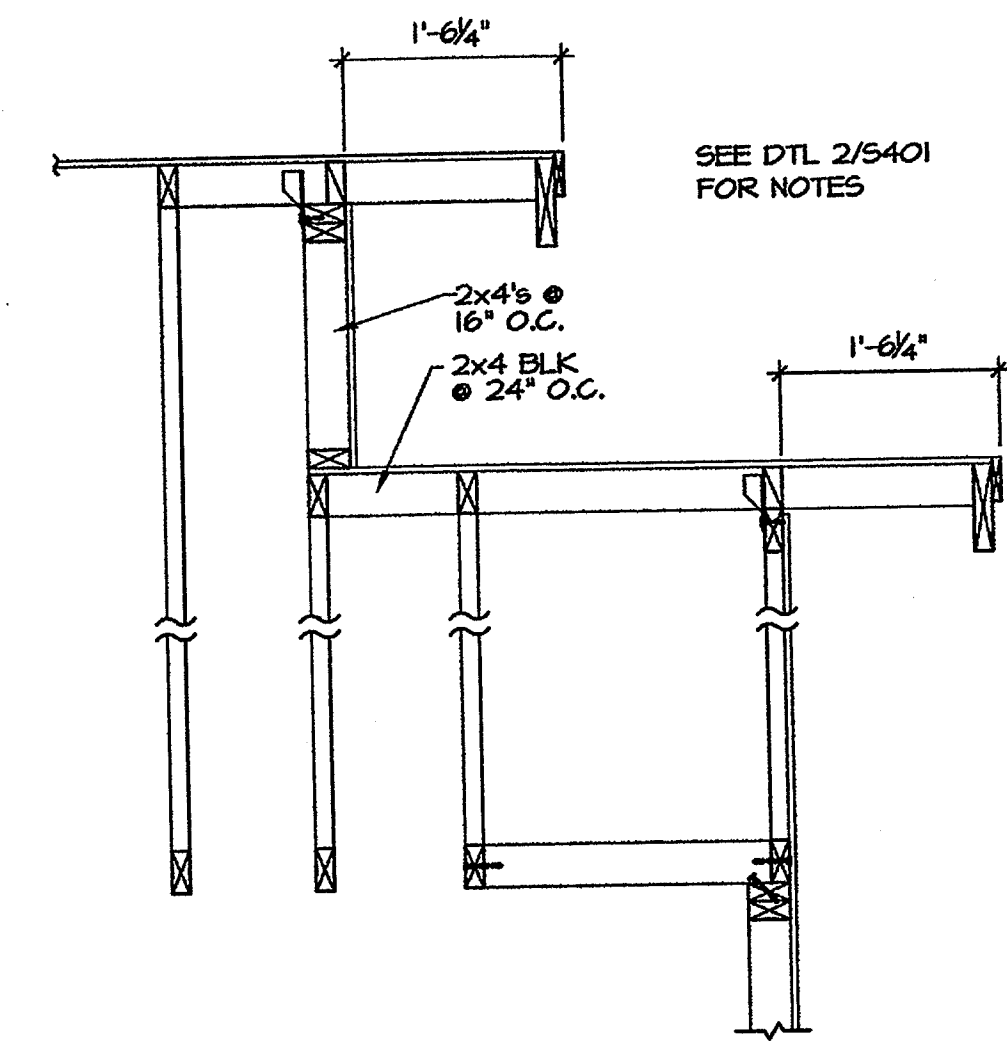
1 SECTION
3/4"=1'-0"



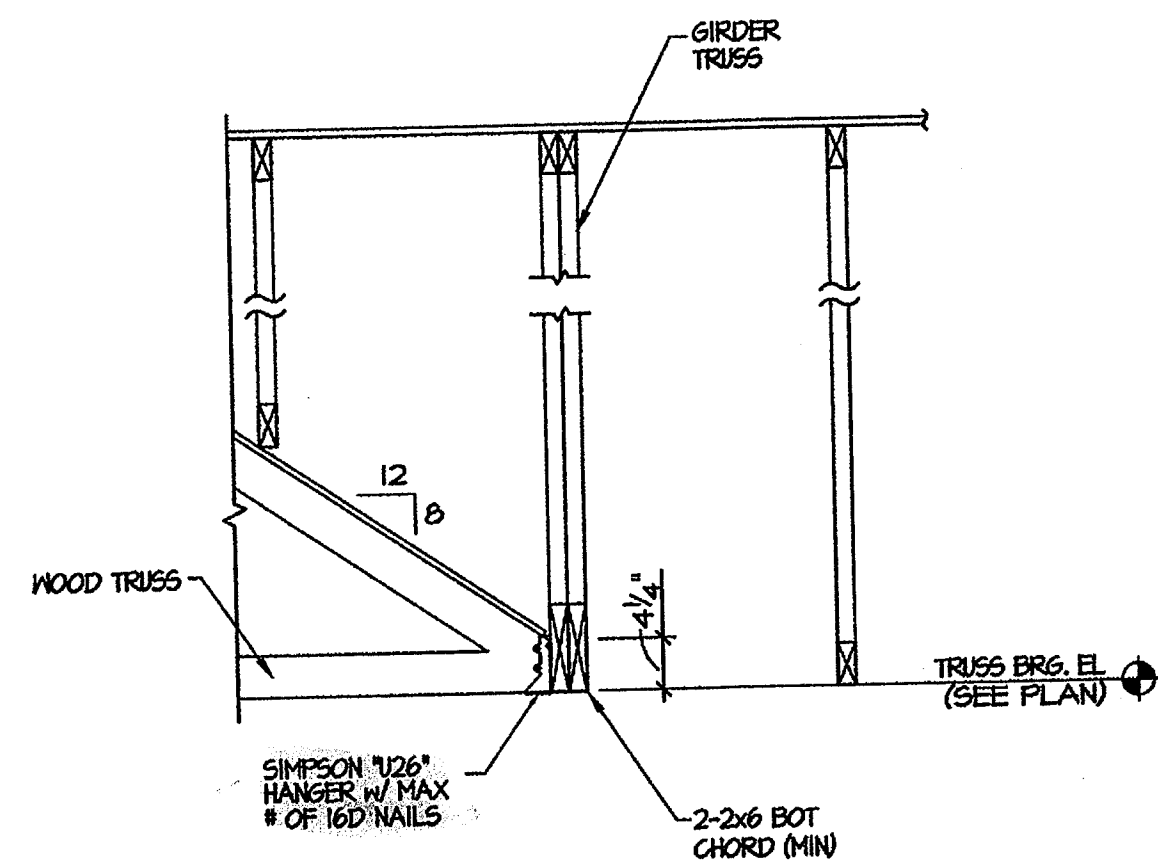
2 SECTION
3/4"=1'-0"



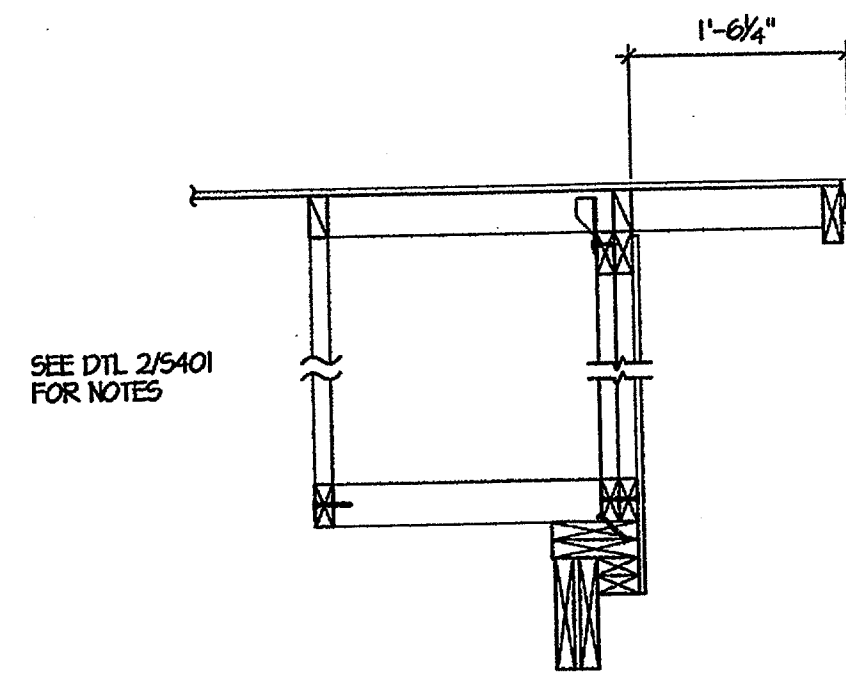
3 SECTION
3/4"=1'-0"



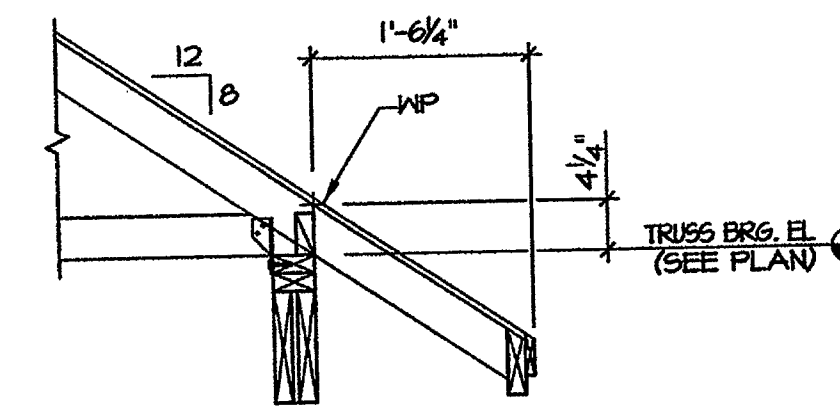
4 SECTION
3/4"=1'-0"



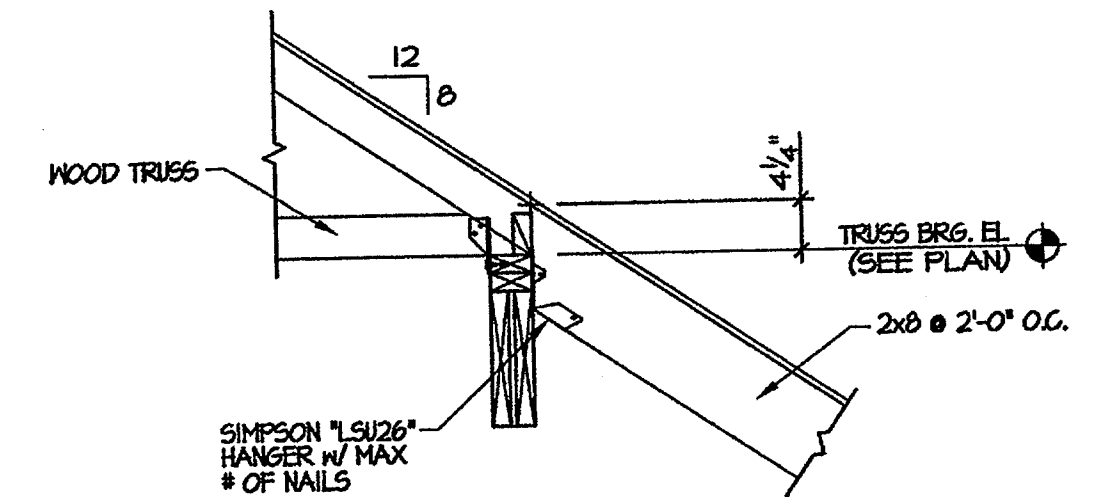
5 SECTION
3/4"=1'-0"



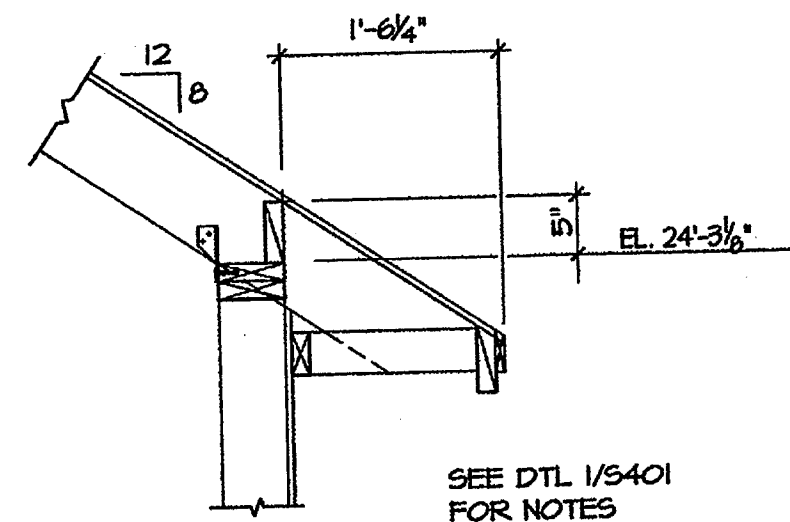
6 SECTION
3/4"=1'-0"



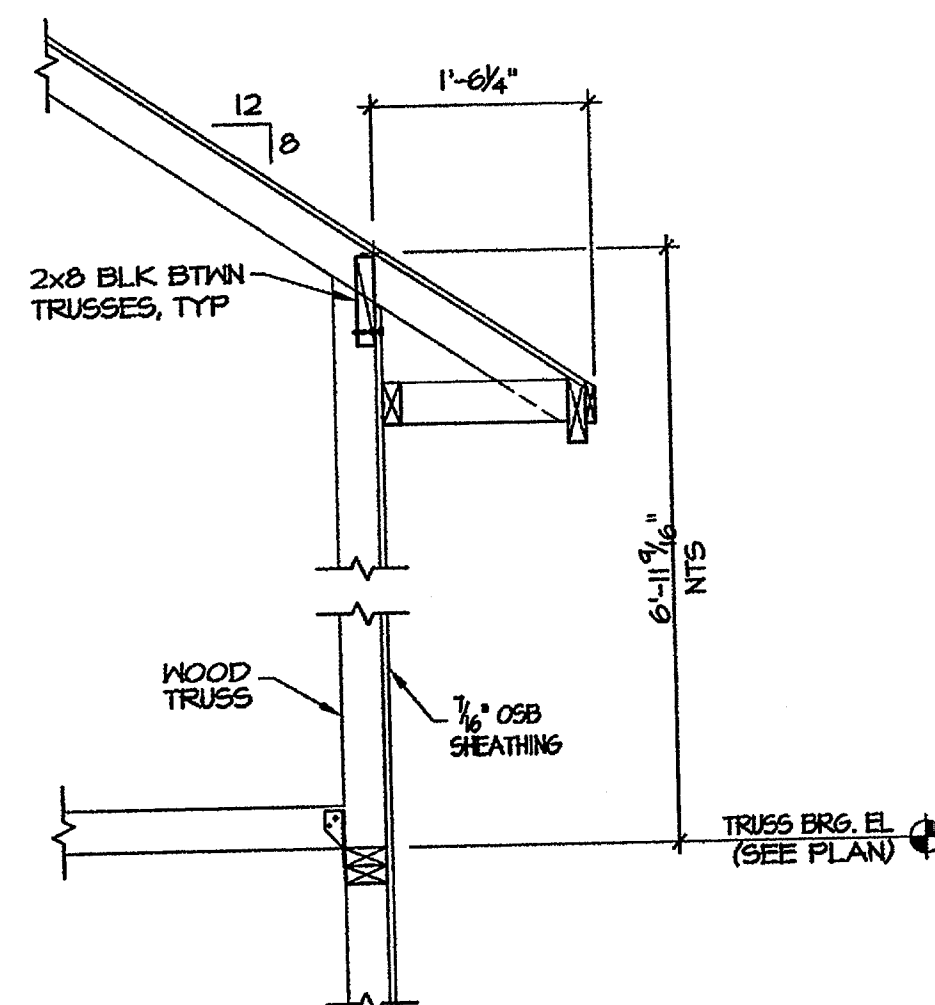
7 SECTION
3/4"=1'-0"



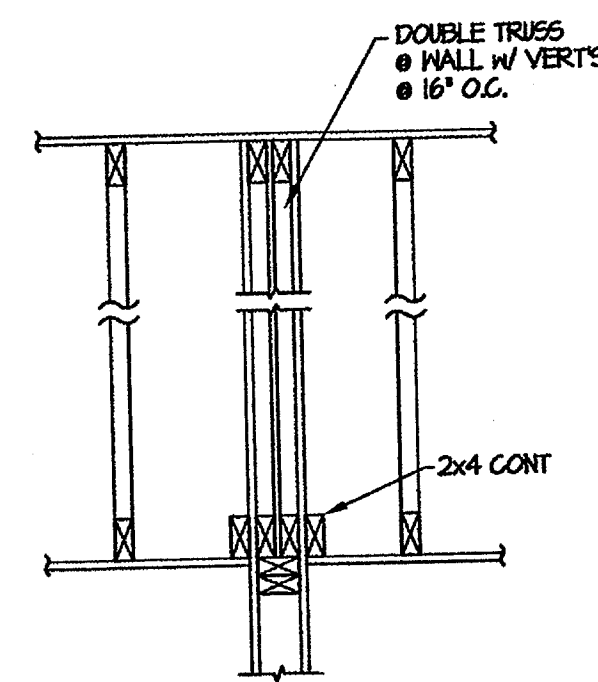
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3/4"=1'-0"



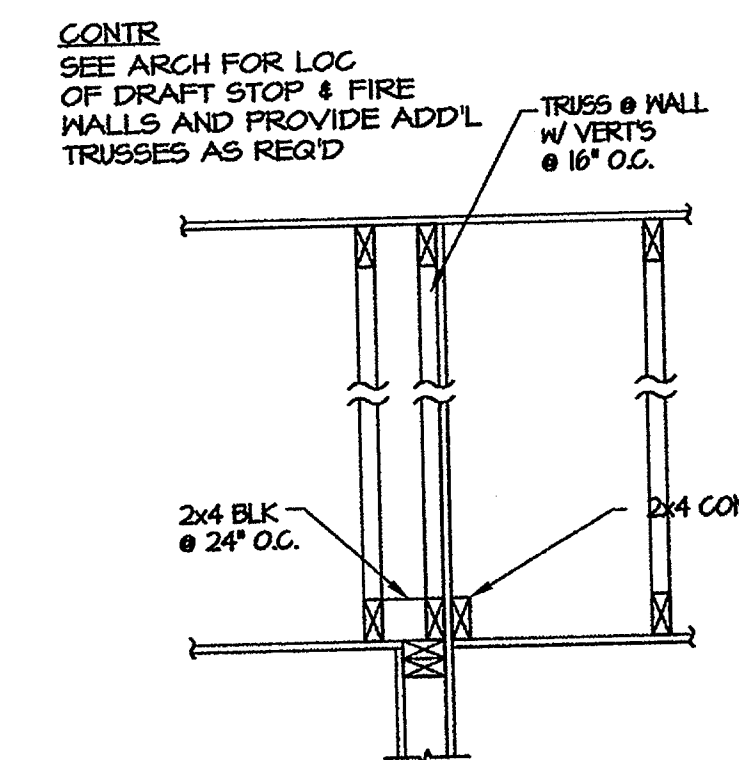
9 SECTION
3/4"=1'-0"



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

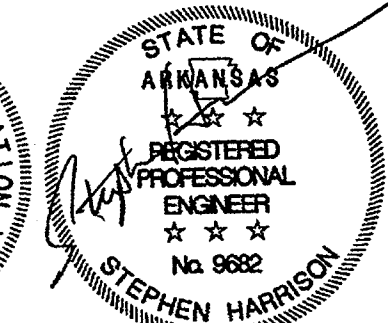
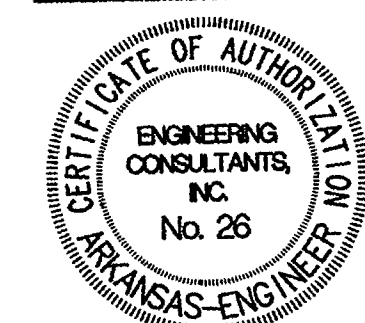


11 SECTION
3/4"=1'-0"



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

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Little Rock, Arkansas 72201-3401
Phone No: (501) 376-3752
Fax No: (501) 376-7314



11/7/04

NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY

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KA

20
20

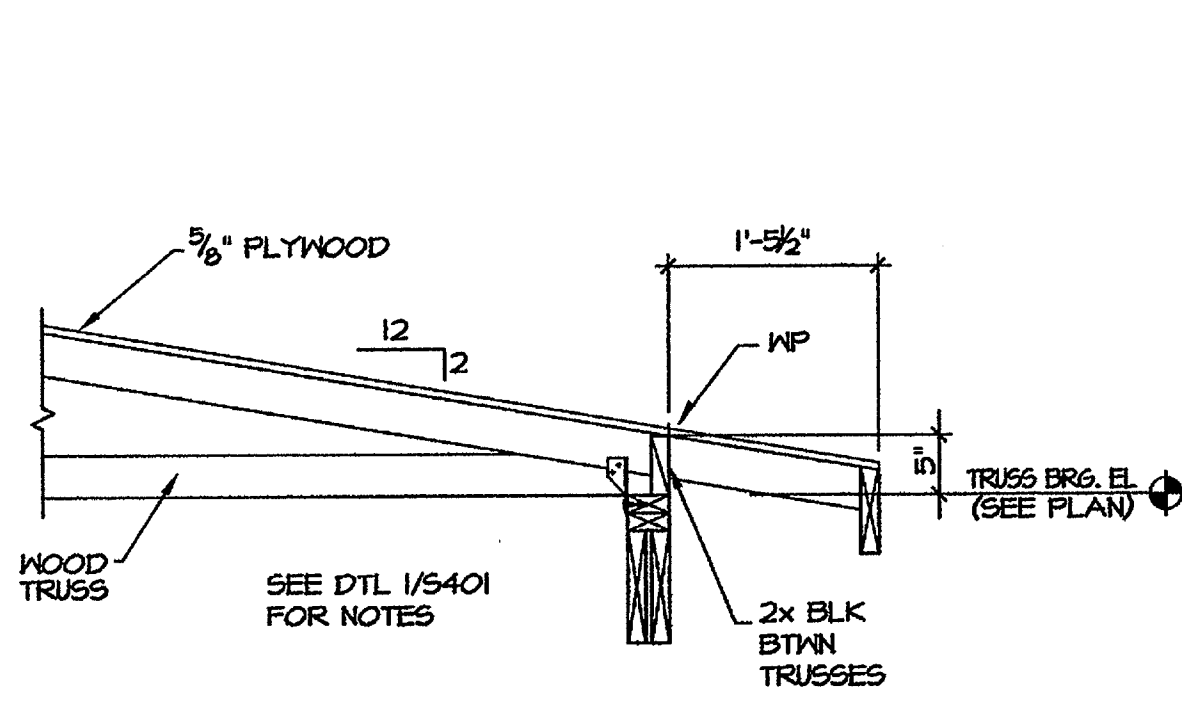
BRACKETT
KRENNERICH

ROOM
FRAMING
DETAIL

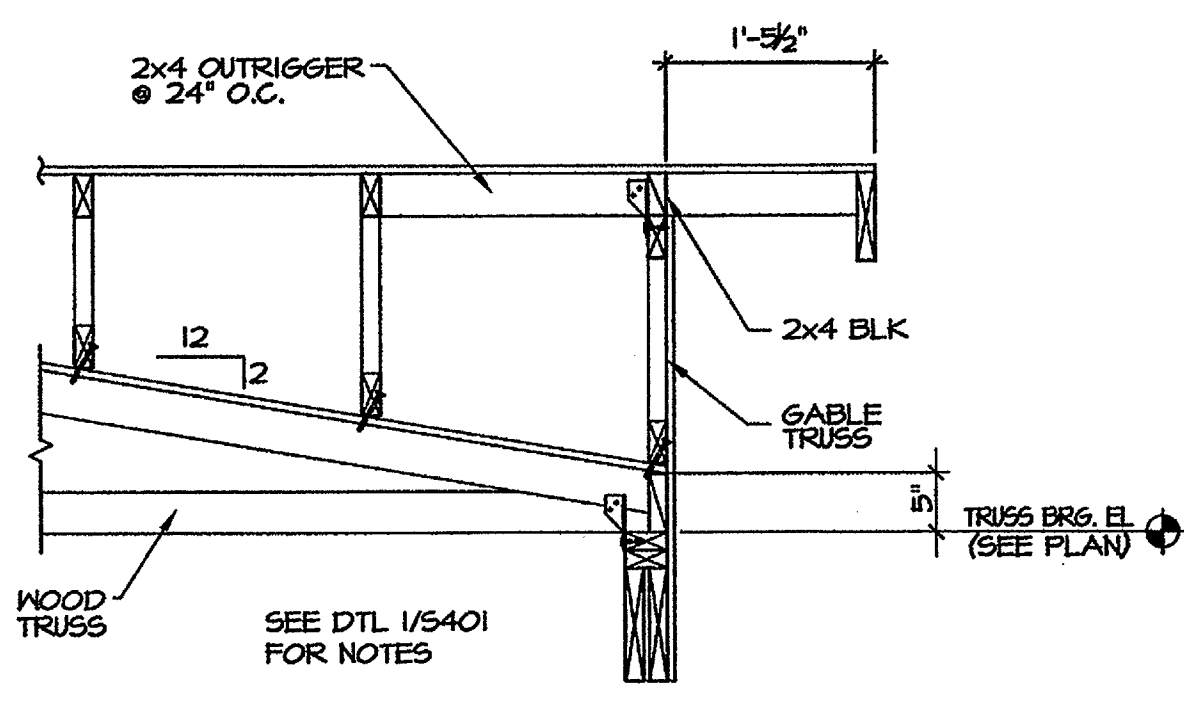
Commission
1040

S4

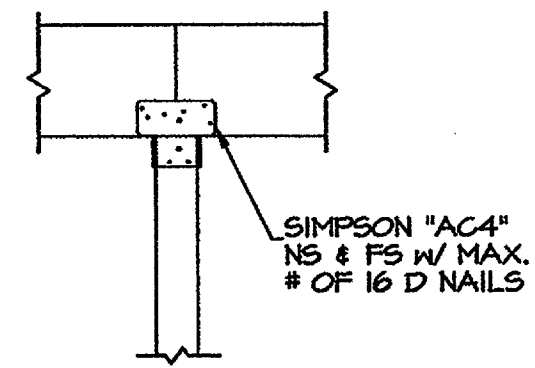
Date: NOVEM



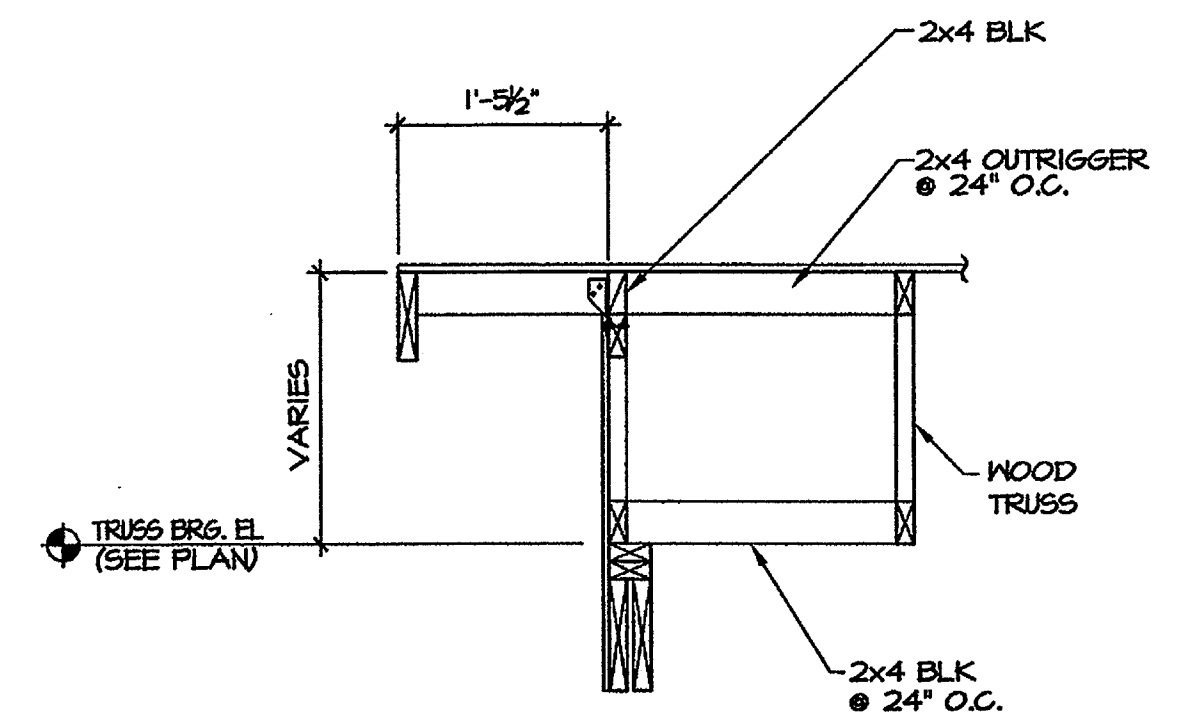
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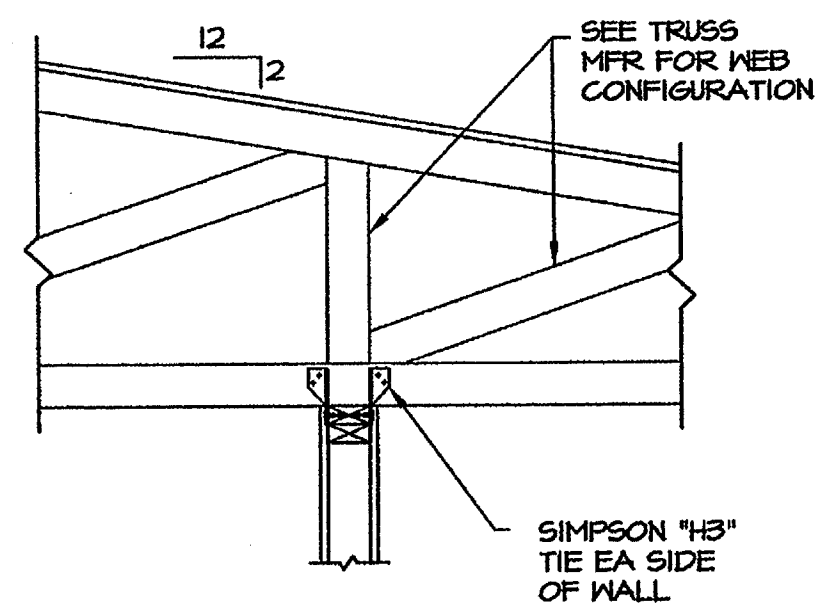
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3/4"=1'-0"



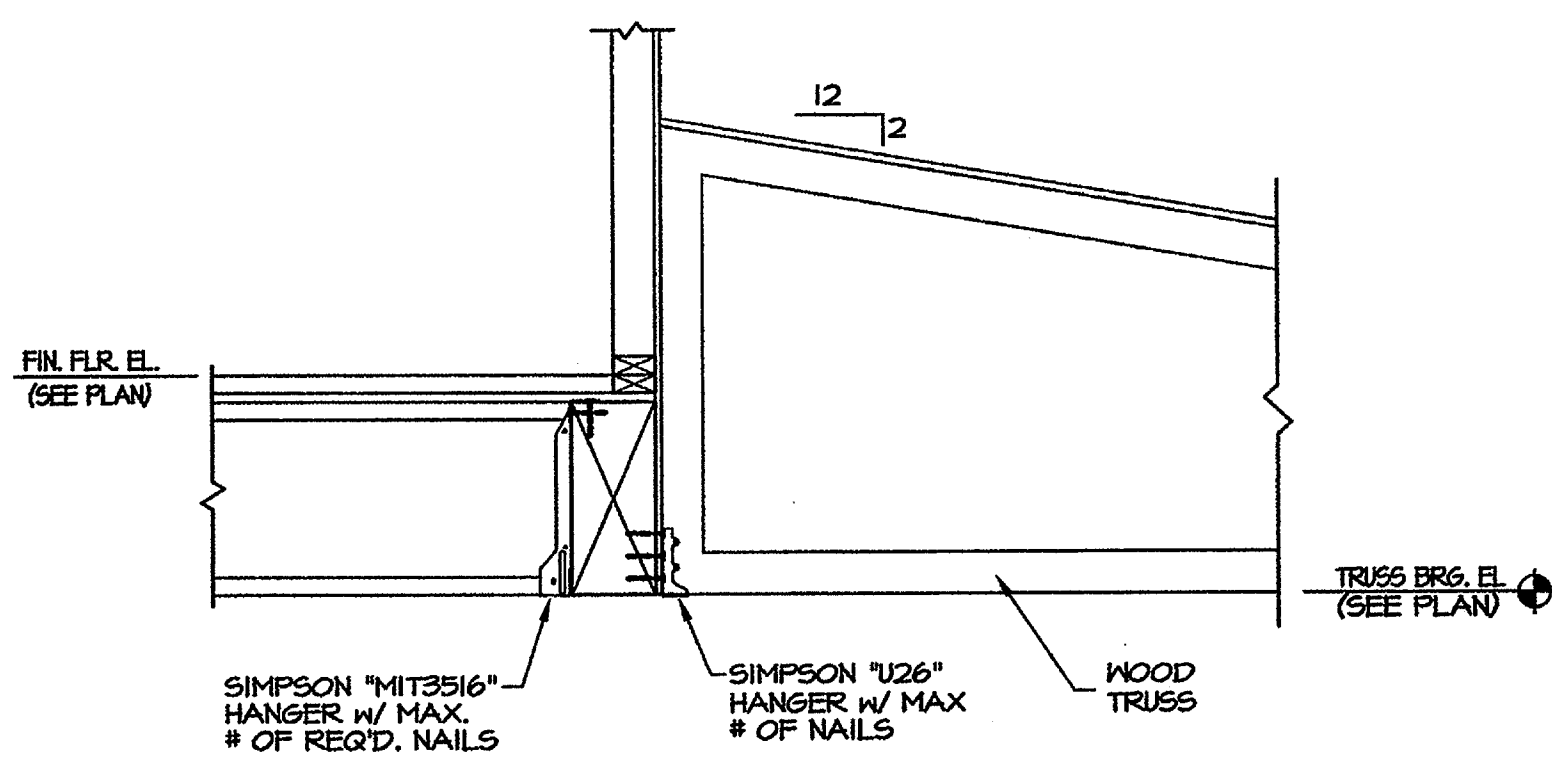
3 SECTION
3/4"=1'-0"



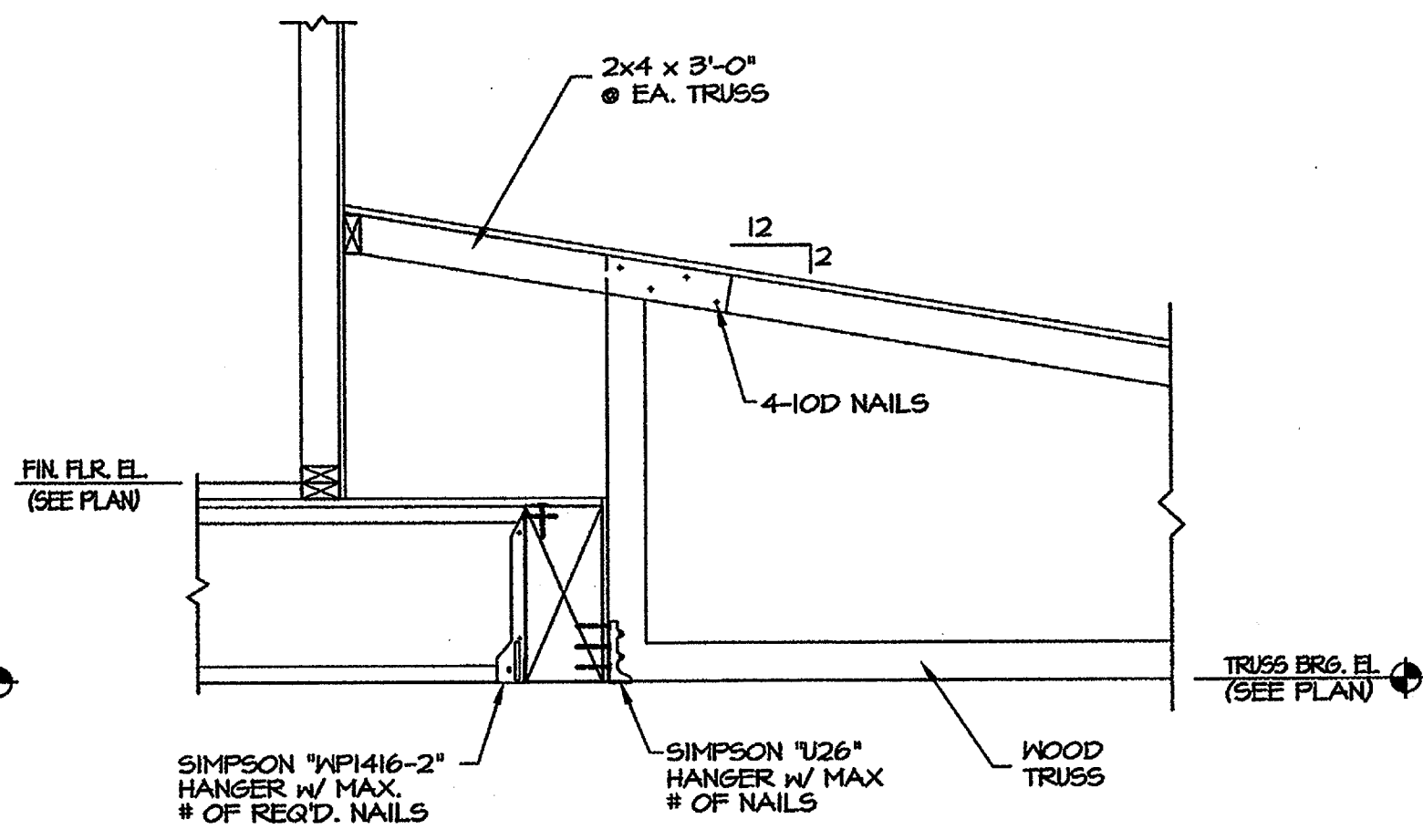
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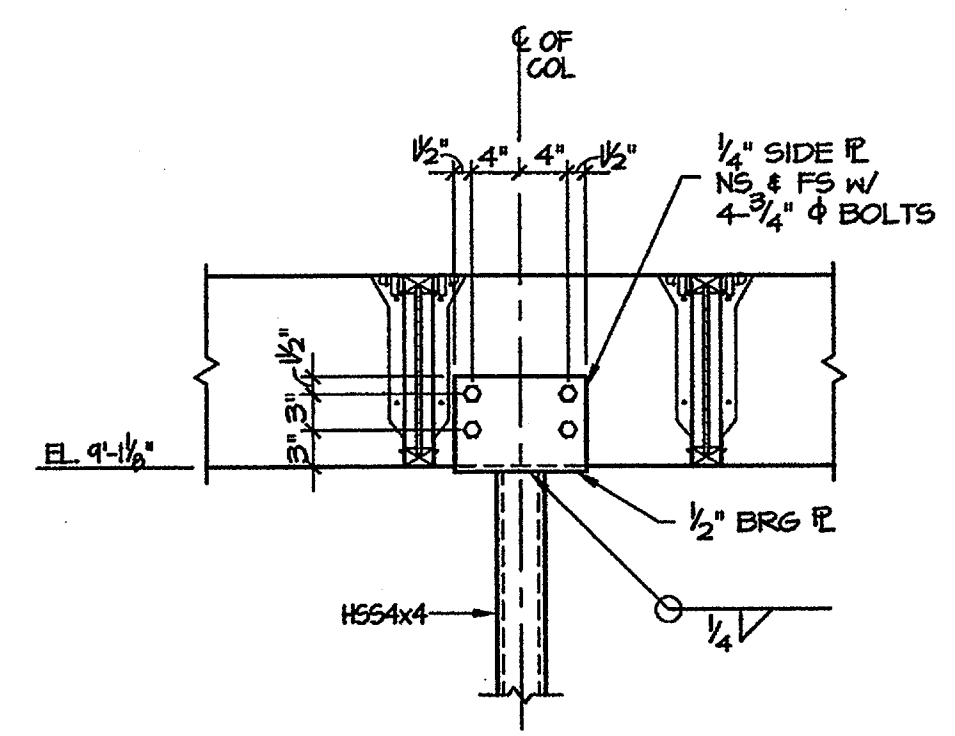
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3/4"=1'-0"



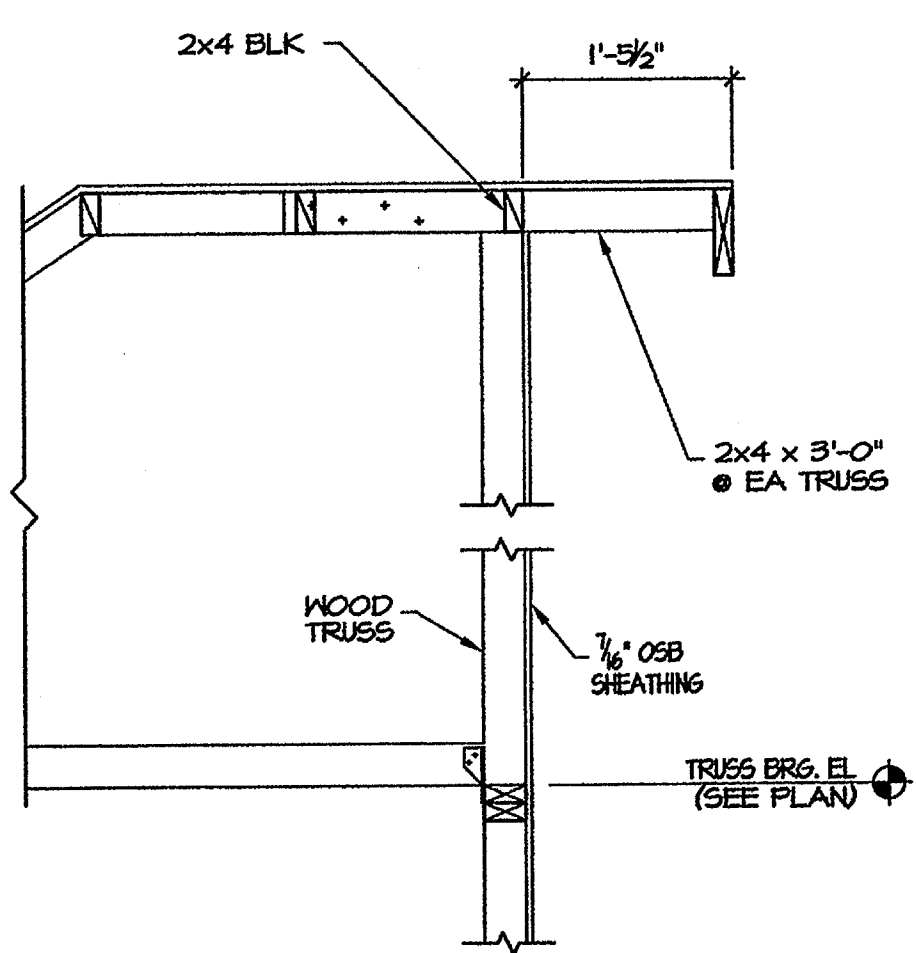
6 SECTION
3/4"=1'-0"



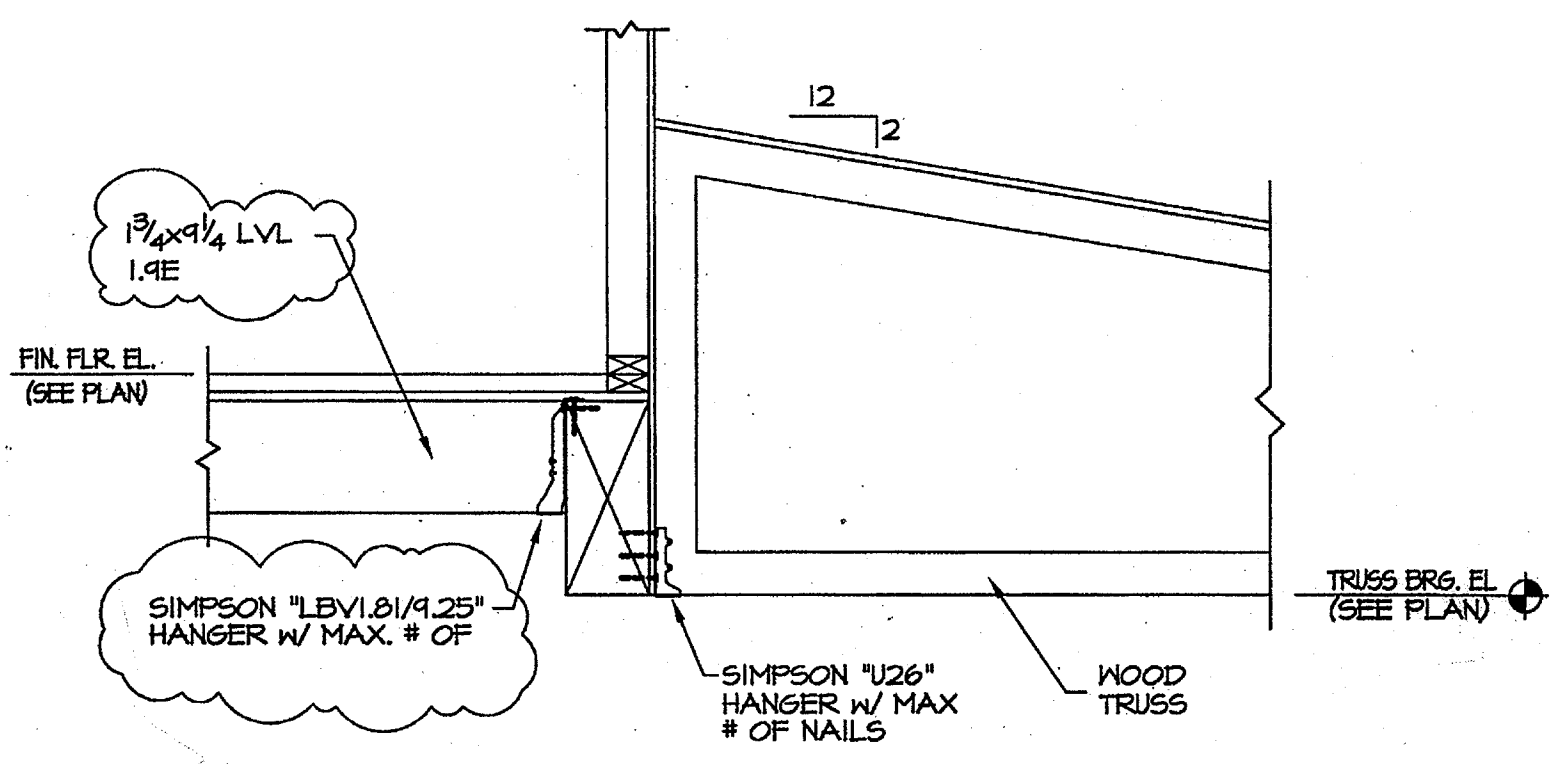
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3/4"=1'-0"



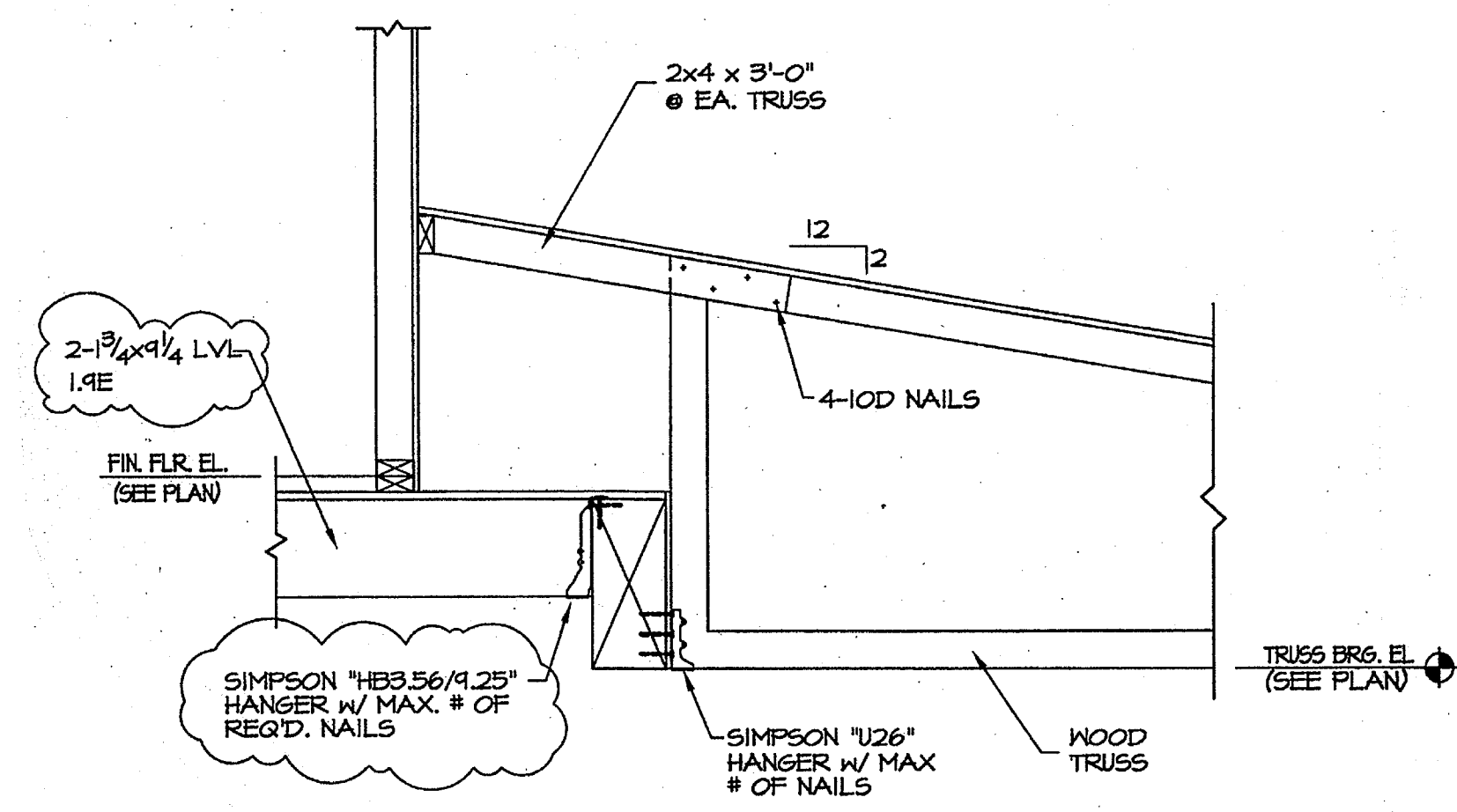
8 SECTION
3/4"=1'-0"



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

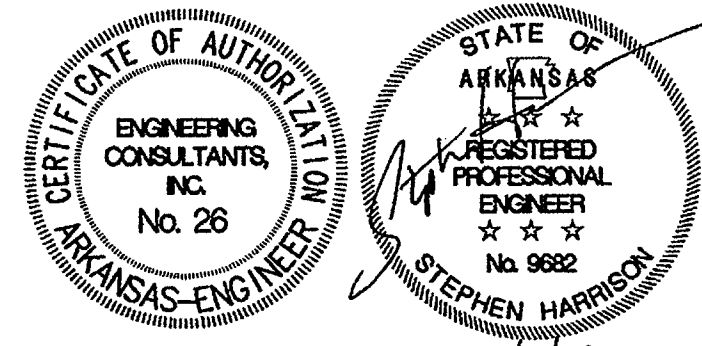


6 SECTION
3/4"=1'-0" REF SHT S402



7 SECTION
3/4"=1'-0" REF SHT S402

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COMMUNITY

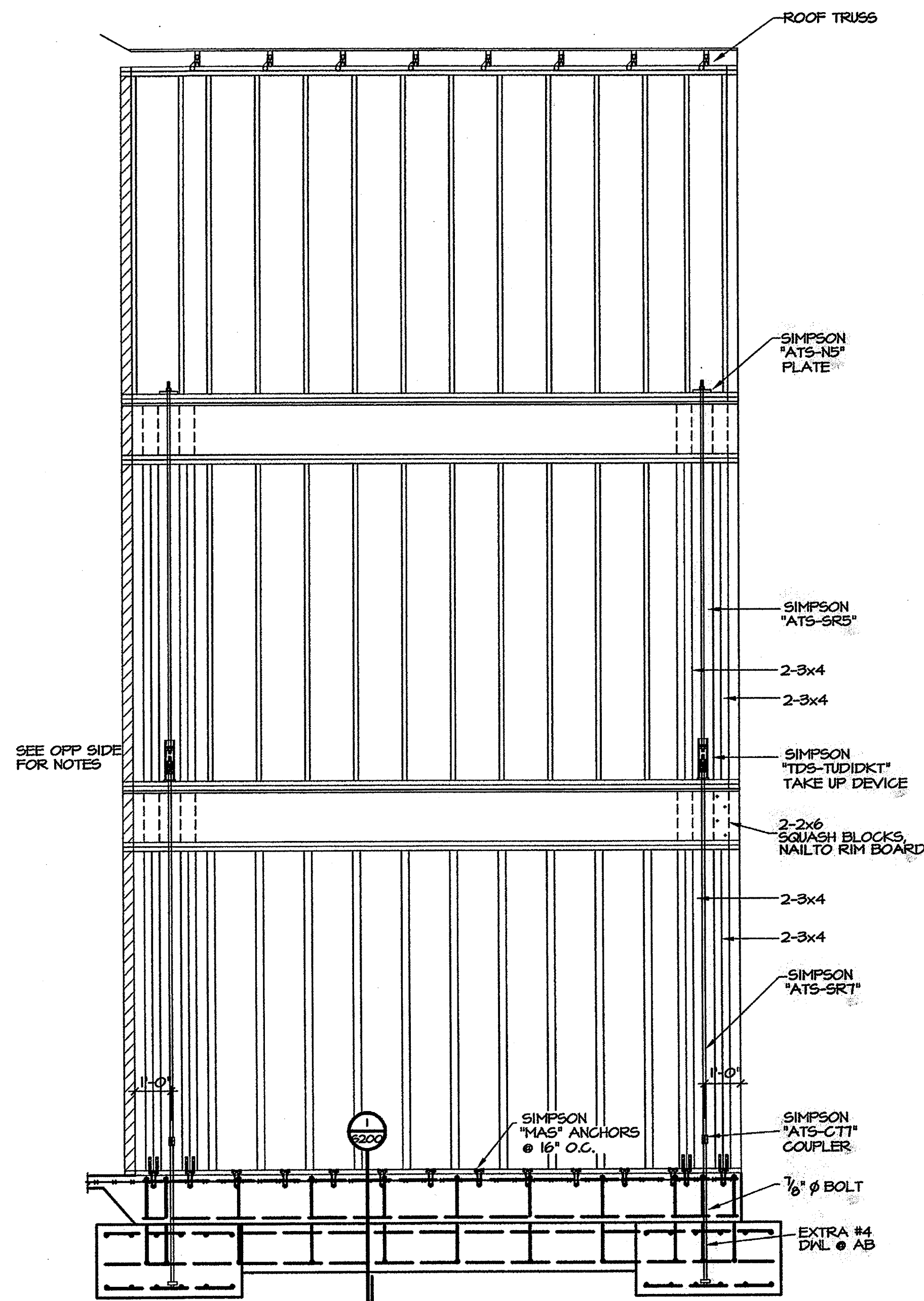


BRACKETT
KRENNERICH

ROOF
FRAMING
DETAIL

Commission No.
10404
S40
Date: NOVEMBER

11/7/04

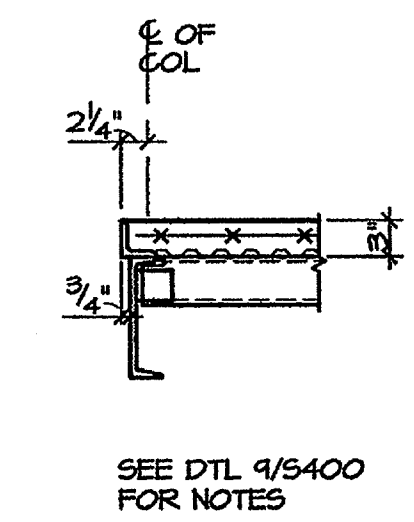


SEE OFF SIDE FOR NOTES

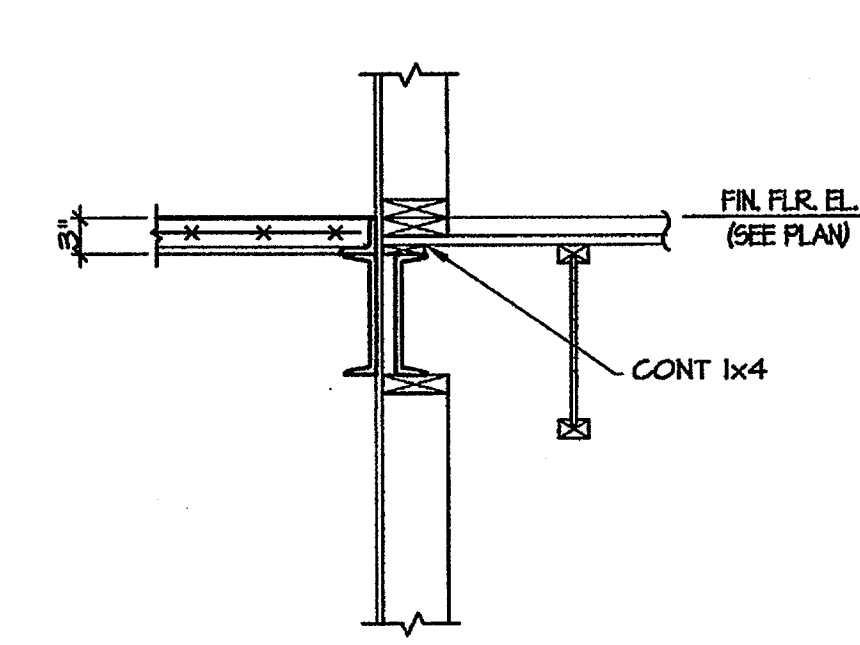
NOTES

1. SEE SIMPSON FOR ADDITIONAL COMPONENTS FOR TDS23 ANCHOR TIE DOWN SYSTEM
2. GALVANIZE 1/8" DIA. BOLT AT SILL PL
3. SIMPSON SHALL INSPECT INITIAL ATs CONSTRUCTION PRIOR TO CONSTRUCTING ADDITIONAL ANCHOR TIE DOWN SYSTEMS.
4. SHEAR PANEL SHEATHING SHALL NOT TO HAVE ANY VERTICAL JOINTS @ COMPRESSION MEMBERS (2-3x4).
5. SEE PLAN FOR SHEAR PANEL NAILING TABLE.
6. CONTRACTOR SHALL VERIFY THAT EACH ROD HAS FULLY BEEN SEATED IN EACH COUPLER NUT.

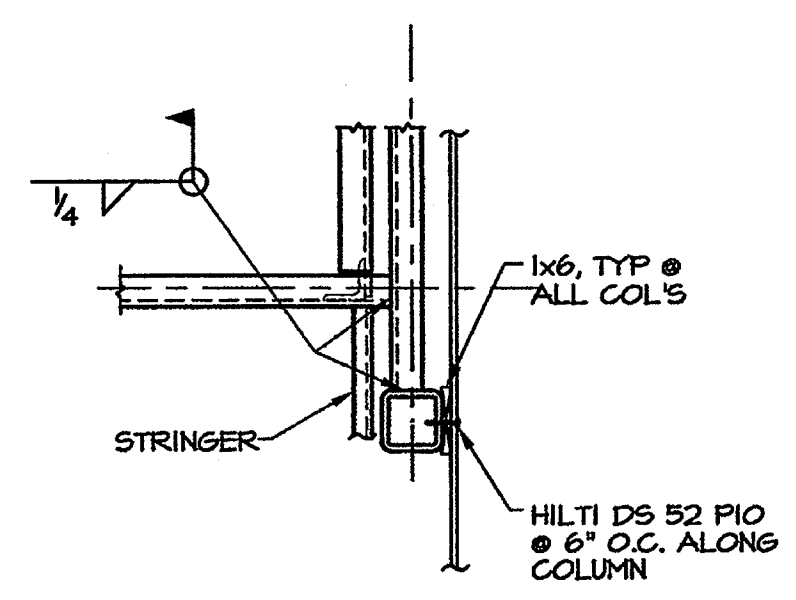
A ATs (SIMPSON TDS23) SHEAR PANEL ELEVATION
3/8"=1'-0"



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

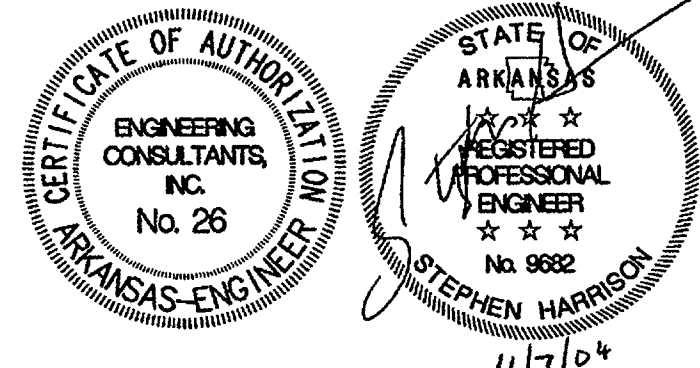


2 SECTION
3/4"=1'-0"



3 PLAN DETAIL
3/4"=1'-0"

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ANCHOR TIE
ELEVATION
PROFILE

Commission
1040
S50
Date: NOVEMBER

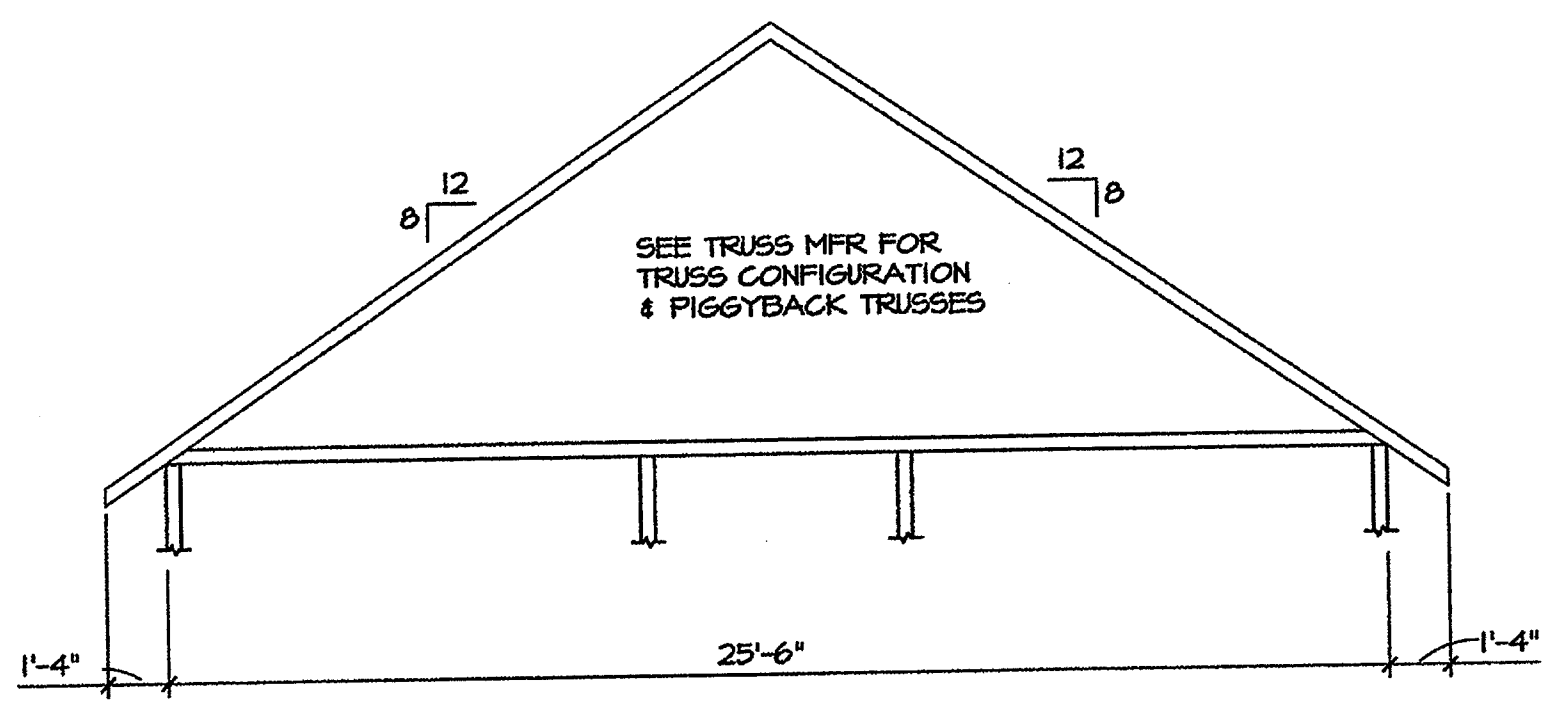
**NEW RESIDENCE HALL
COMMUNITY**

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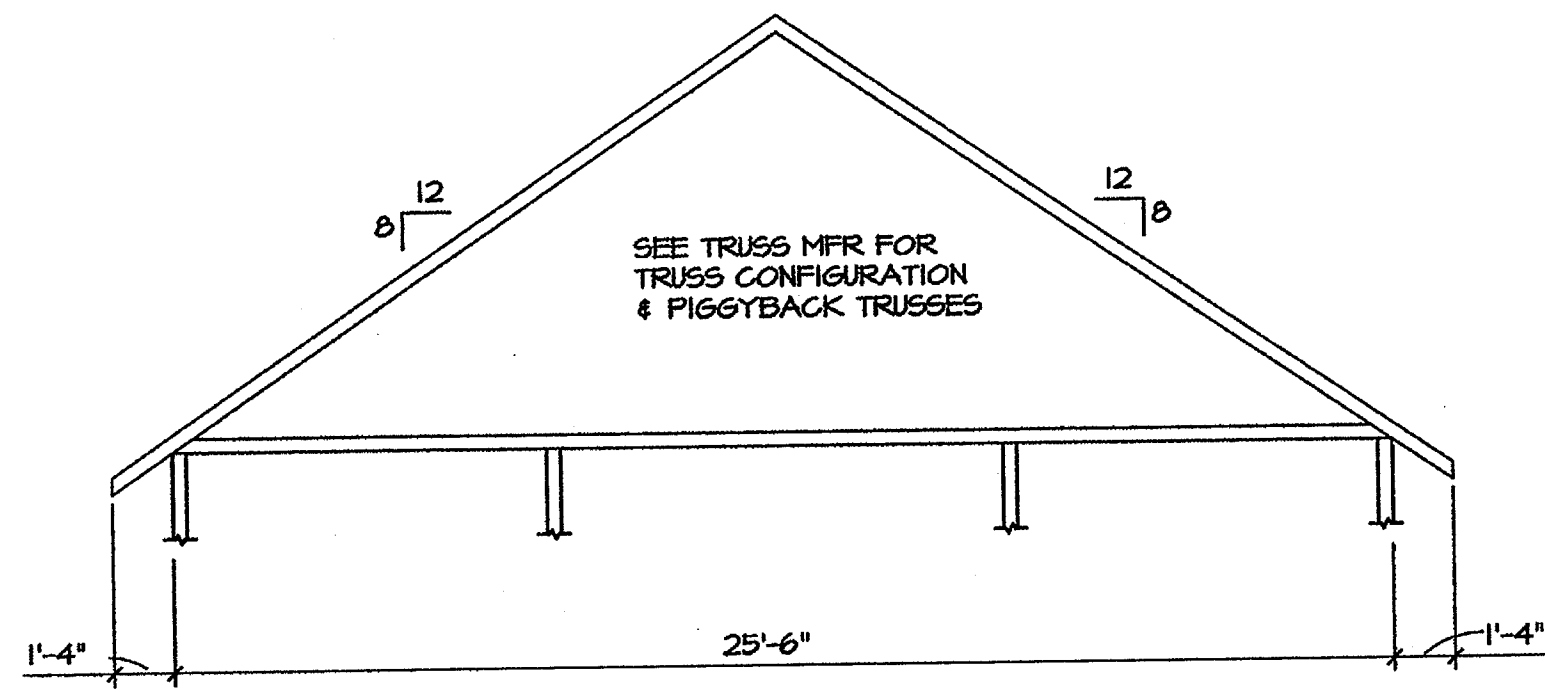
**BRACKETT
KRENNERICH**

**BRACKETT
KRENNERICH**

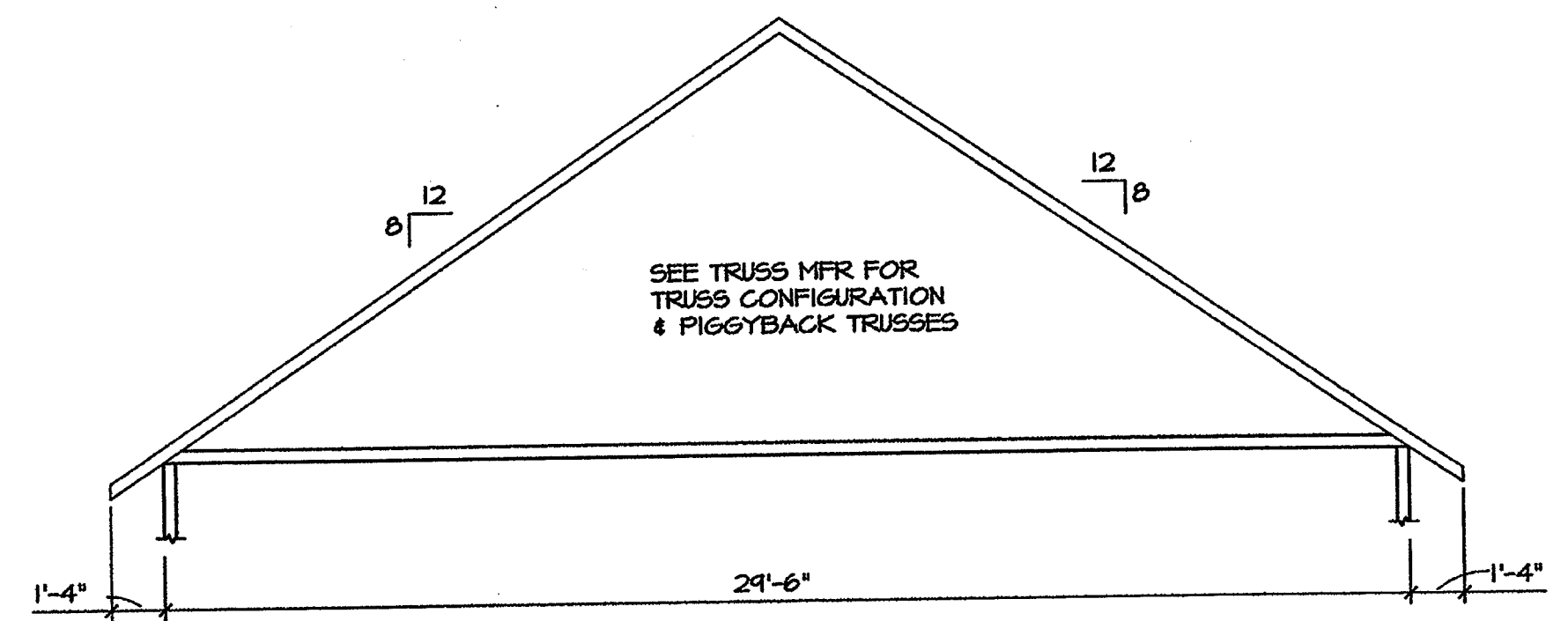
11/7/04



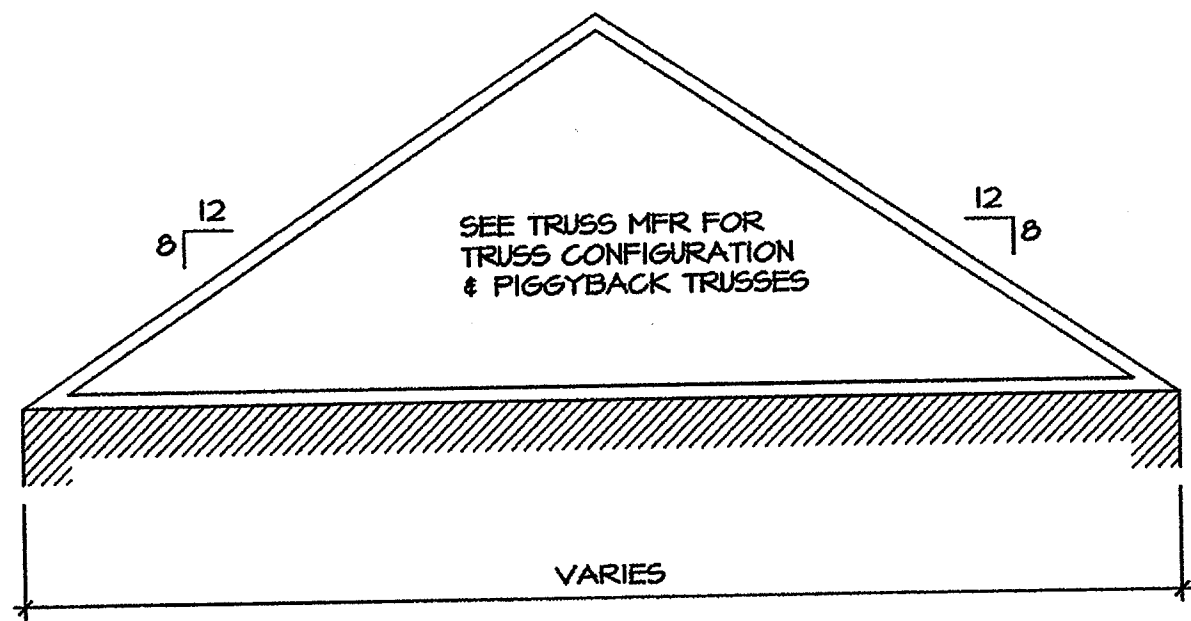
TRUSS T1
1/4"=1'-0"



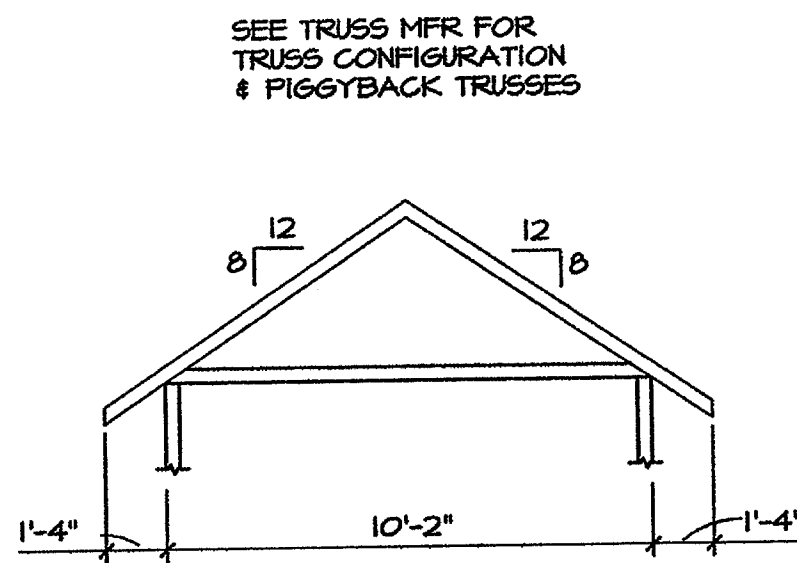
TRUSS T2
1/4"=1'-0"



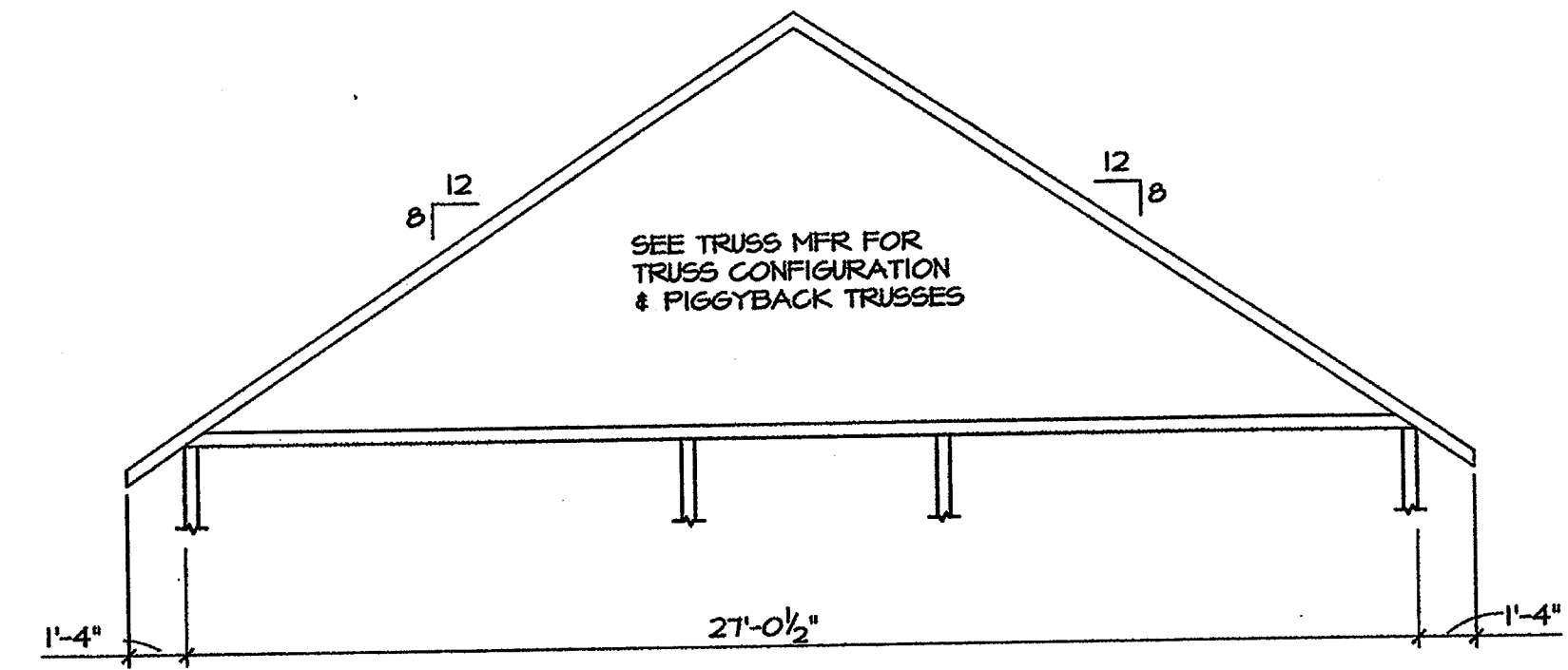
GIRDER TRUSS T3 & TRUSS T3
1/4"=1'-0"



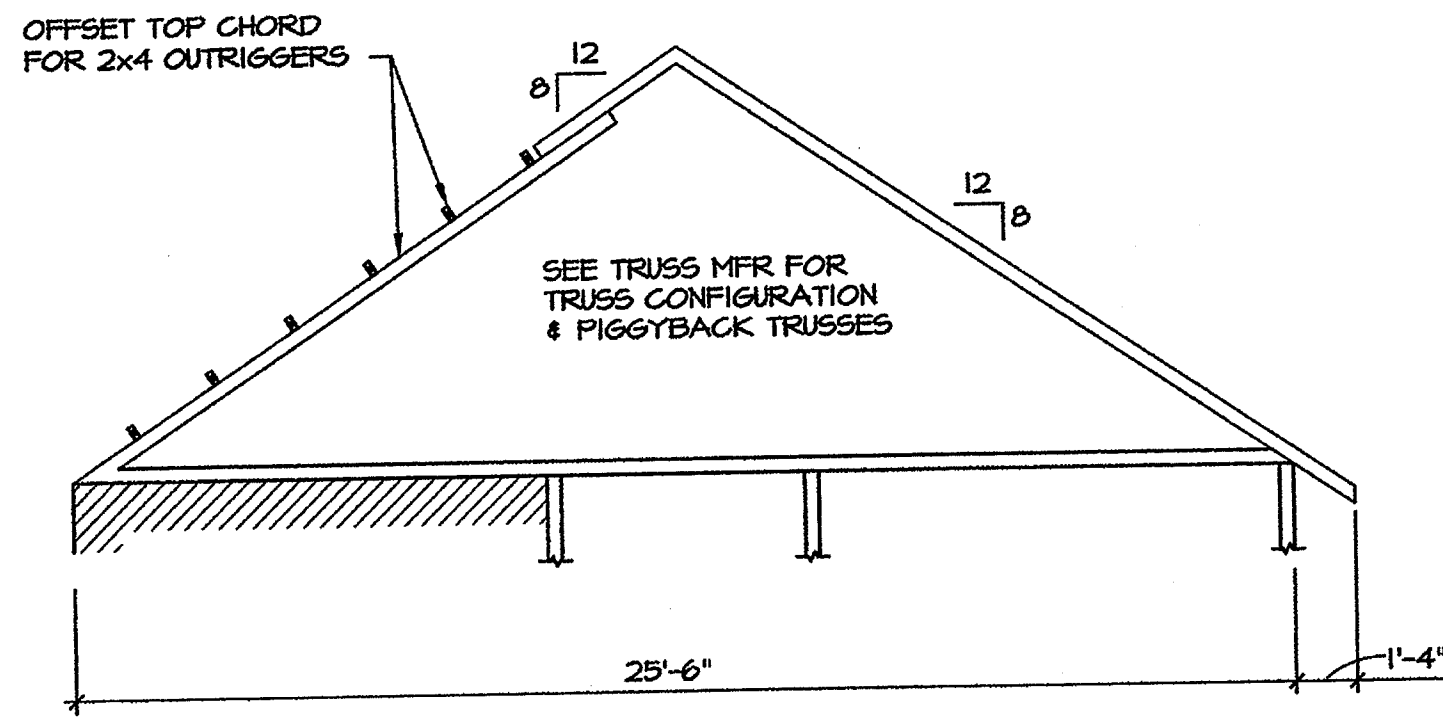
TRUSS T3 NOT ALWAYS SYMETRIC ABOUT RIDGE



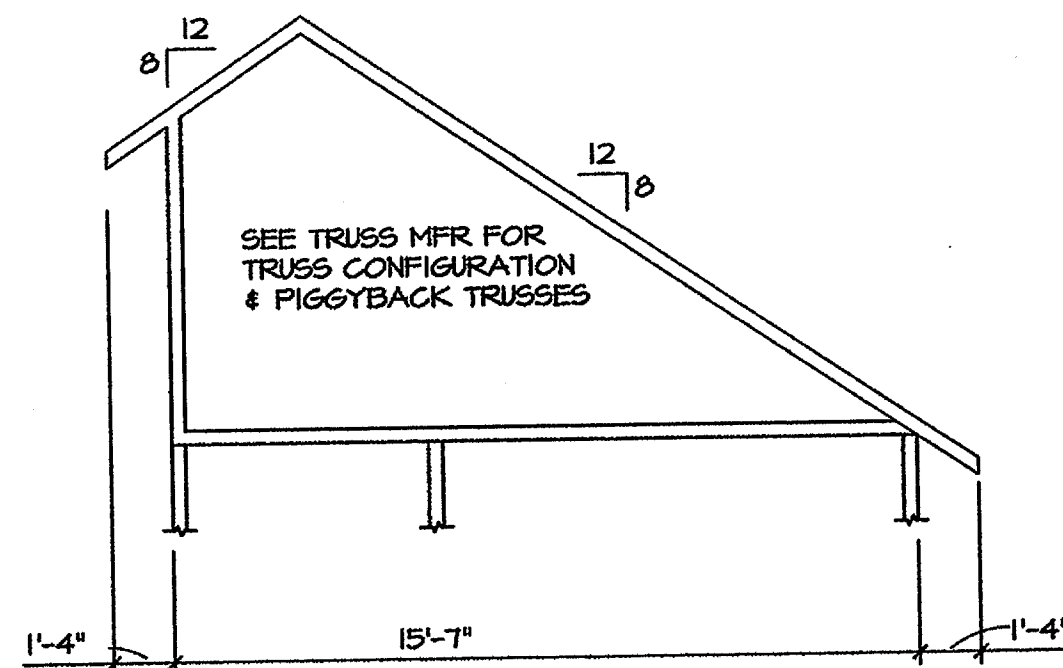
TRUSS T5
1/4"=1'-0"



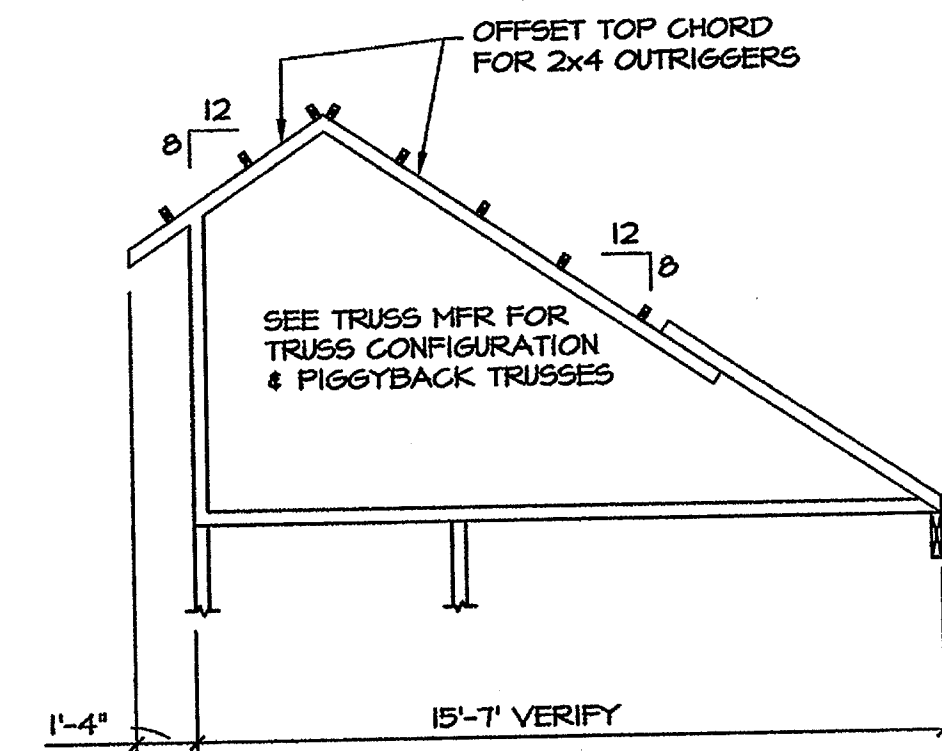
GIRDER TRUSS T6 & TRUSS T6
1/4"=1'-0"



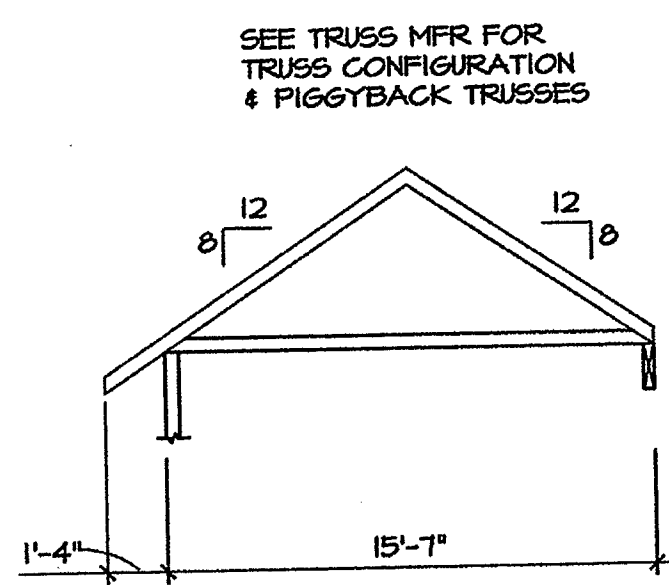
TRUSS T4
1/4"=1'-0"



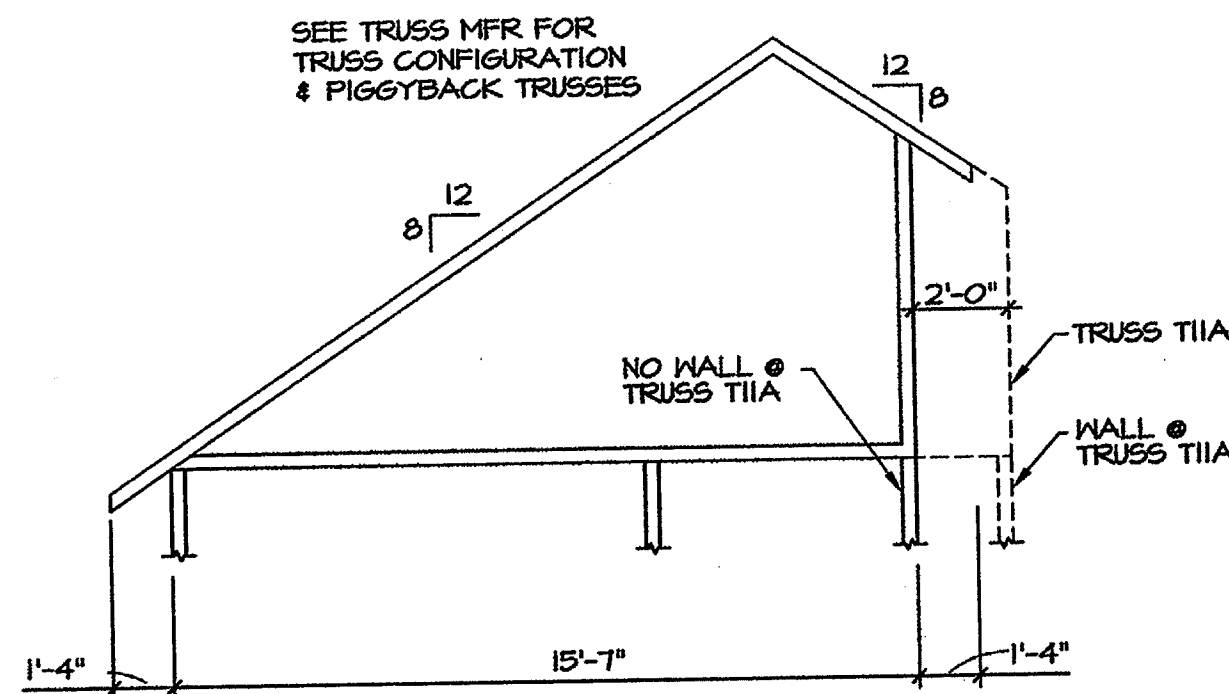
TRUSS T8
1/4"=1'-0"



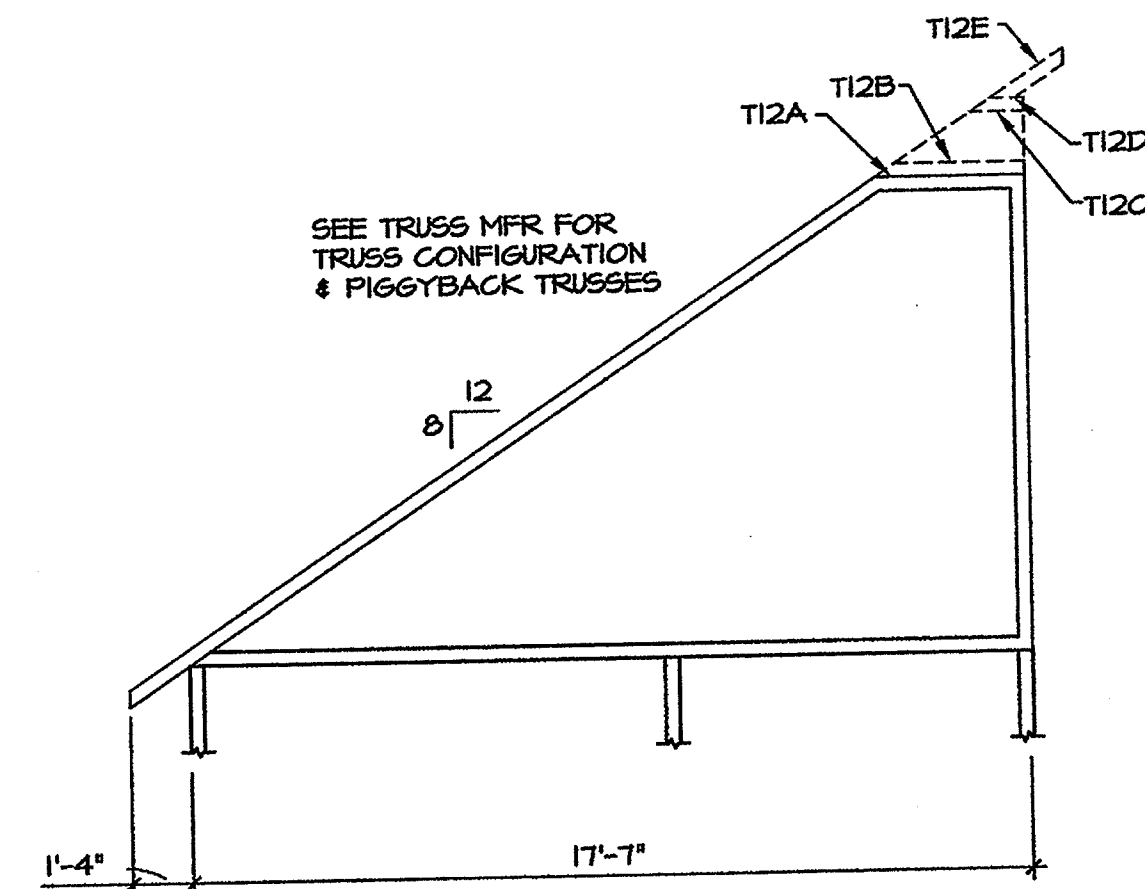
TRUSS T9
1/4"=1'-0"



TRUSS T7
1/4"=1'-0"

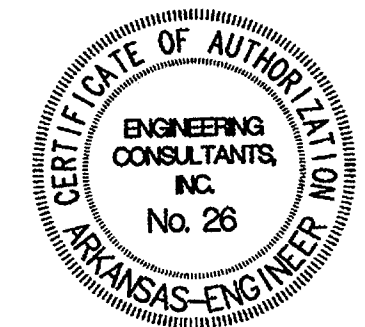


TRUSS T11 & TRUSS T11A
1/4"=1'-0"

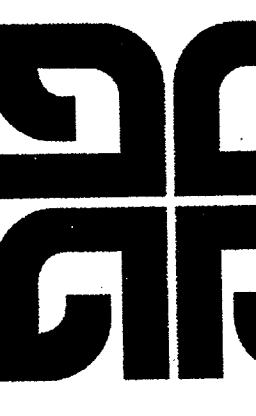


TRUSS T12
1/4"=1'-0"

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ARKANSAS STATE UNIVERSITY



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KRENNERICH

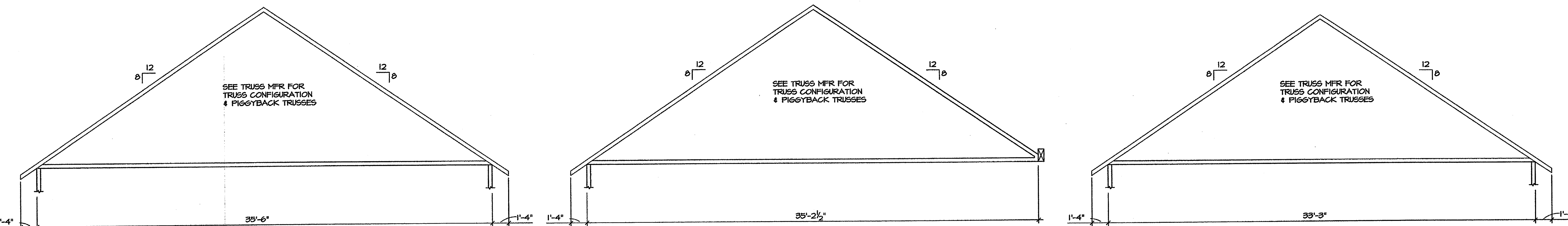
TRUSS
PROFIL

Commission
1040

S50

Date: NOVEMBER

11/7/04



TRUSS T13
1/4"=1'-0"

TRUSS T14
1/4"=1'-0"

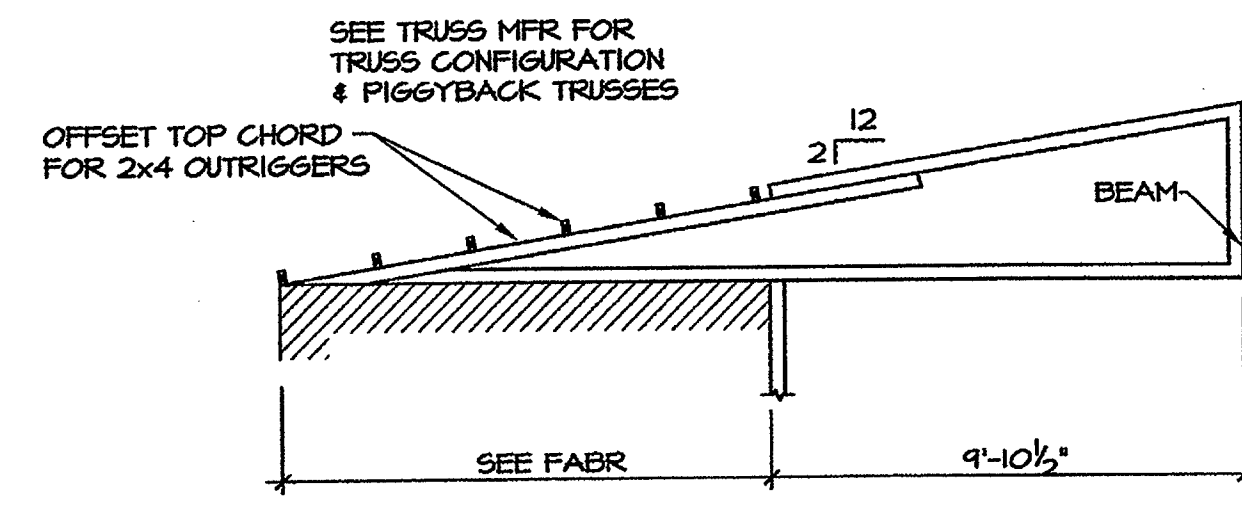
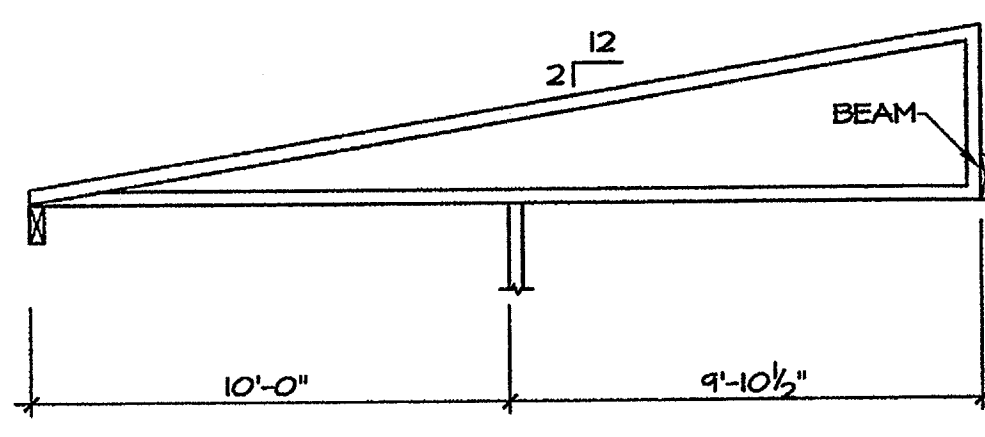
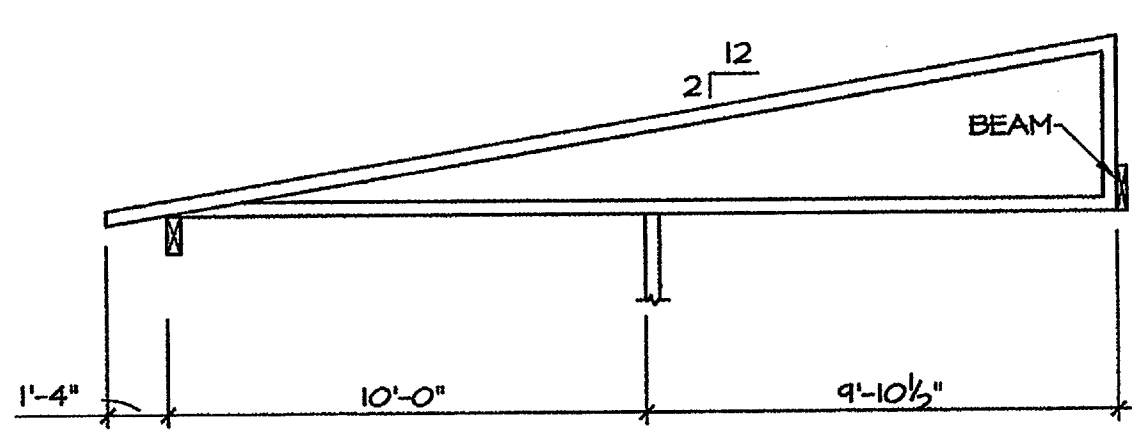
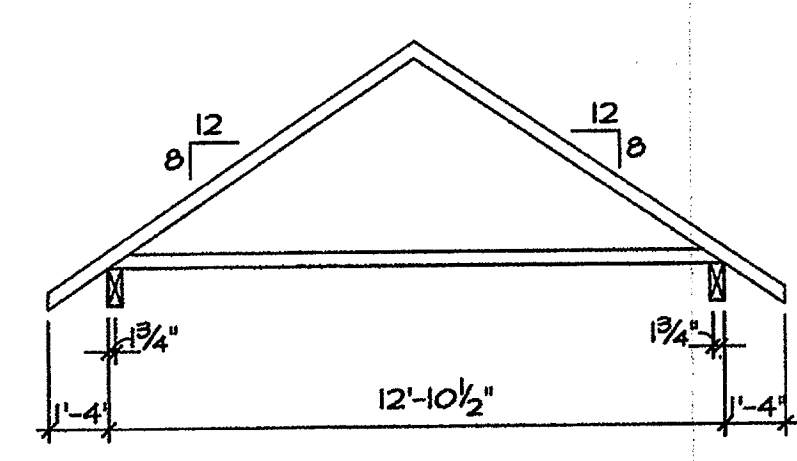
TRUSS T15
1/4"=1'-0"

SEE TRUSS MFR FOR TRUSS CONFIGURATION & PIGGYBACK TRUSSES

SEE TRUSS MFR FOR TRUSS CONFIGURATION & PIGGYBACK TRUSSES

SEE TRUSS MFR FOR TRUSS CONFIGURATION & PIGGYBACK TRUSSES

SEE TRUSS MFR FOR TRUSS CONFIGURATION & PIGGYBACK TRUSSES



TRUSS T16
1/4"=1'-0"

TRUSS T17
1/4"=1'-0"

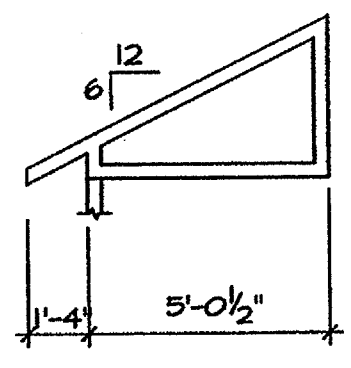
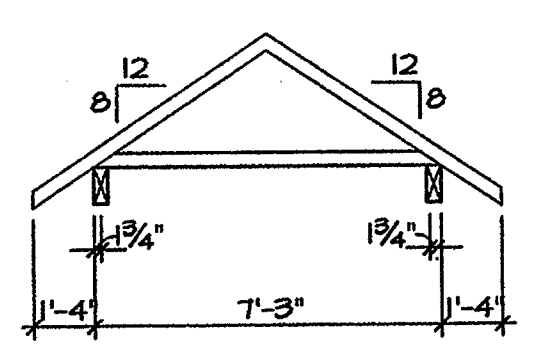
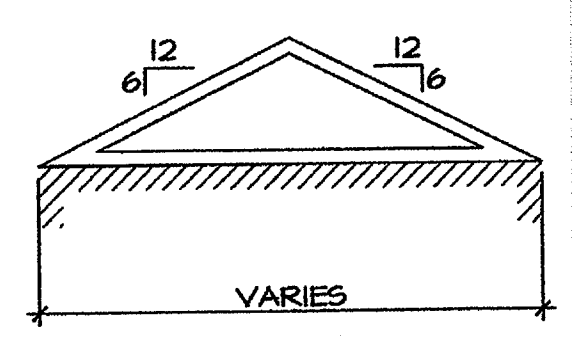
TRUSS T18
1/4"=1'-0"

TRUSS T19
1/4"=1'-0"

SEE TRUSS MFR FOR TRUSS CONFIGURATION & PIGGYBACK TRUSSES

SEE TRUSS MFR FOR TRUSS CONFIGURATION & PIGGYBACK TRUSSES

SEE TRUSS MFR FOR TRUSS CONFIGURATION & PIGGYBACK TRUSSES

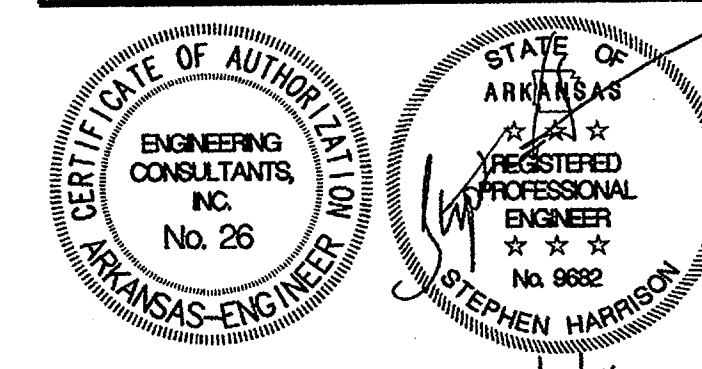


TRUSS T20
1/4"=1'-0"

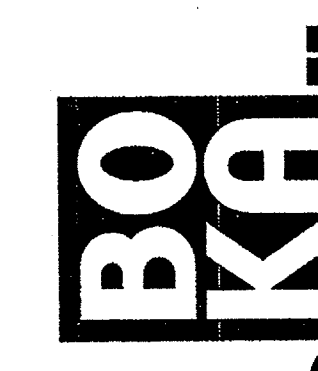
TRUSS T21
1/4"=1'-0"

JACK TRUSS
1/4"=1'-0"

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**BRACKETT
KRENNERICH**

TRUSS
PROFILES

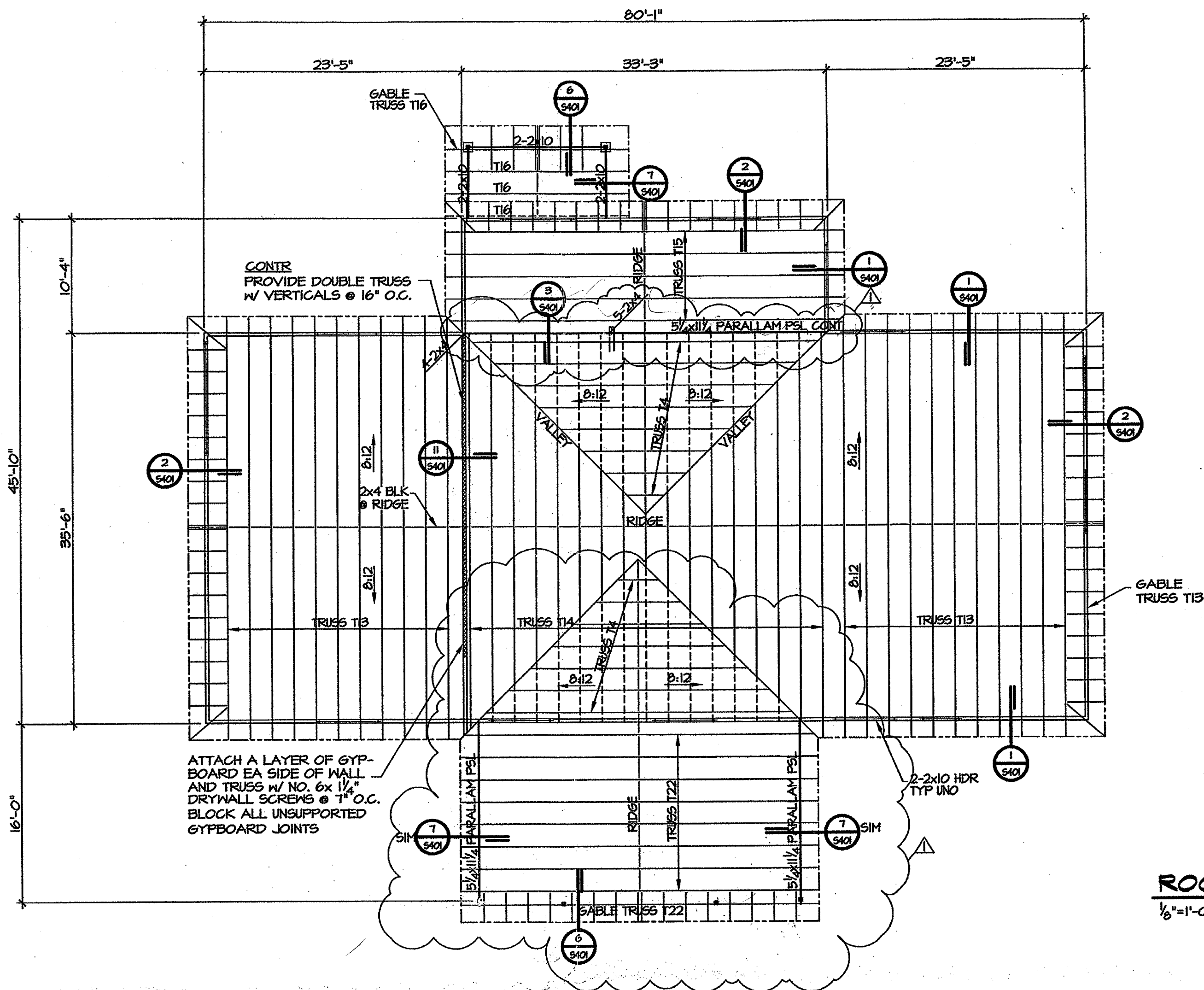
Commission N
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S50
Date: NOVEMBER

TYP. ROOF CONSTRUCTION

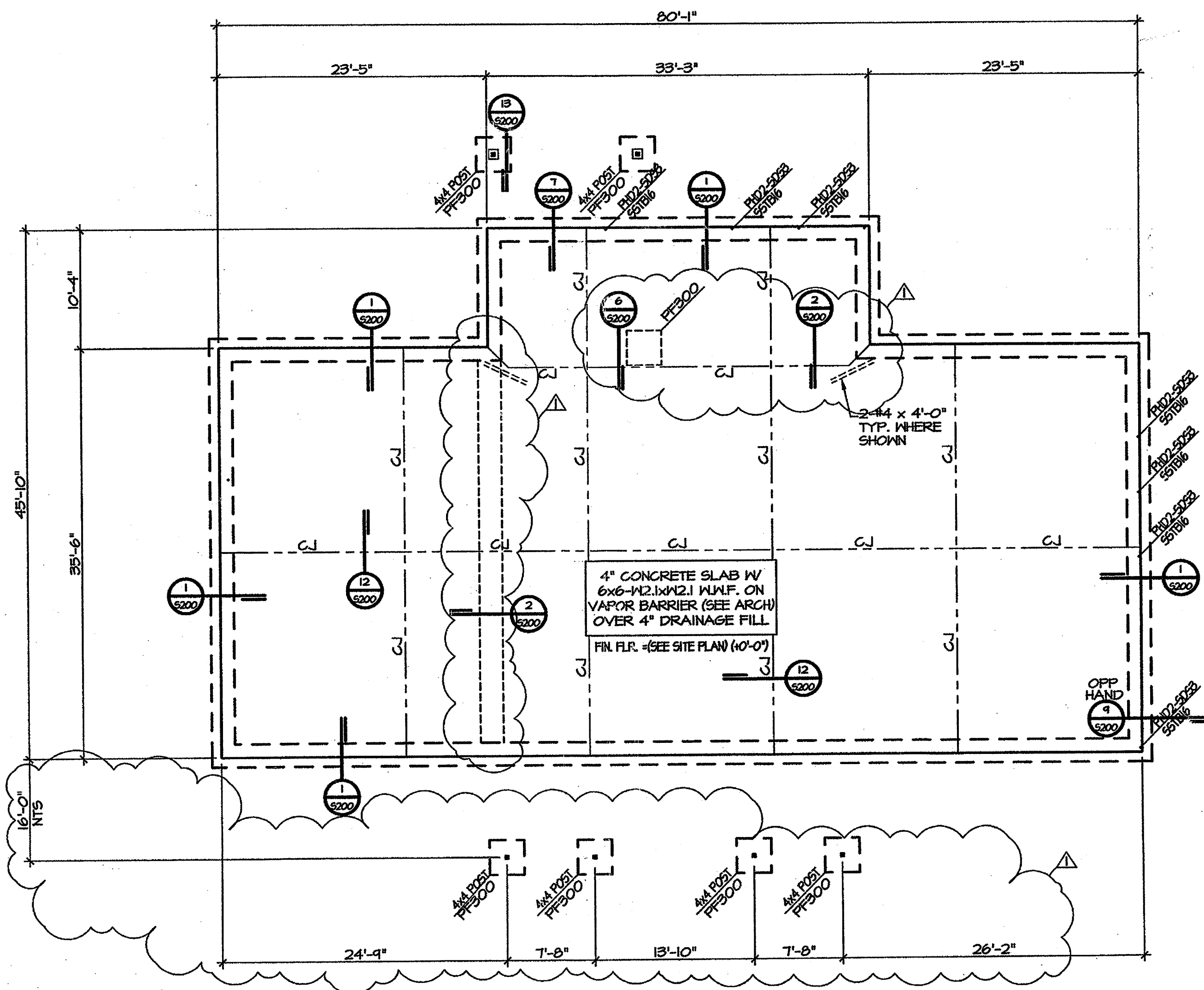
3/8" APA RATED PLYWOOD
OVER TRUSSES OR 2X FRAMING
SEE GENERAL NOTES FOR ADD'L
FASTENING NOTES
TRUSS BRG EL (14-1/2')

PLAN NOTES

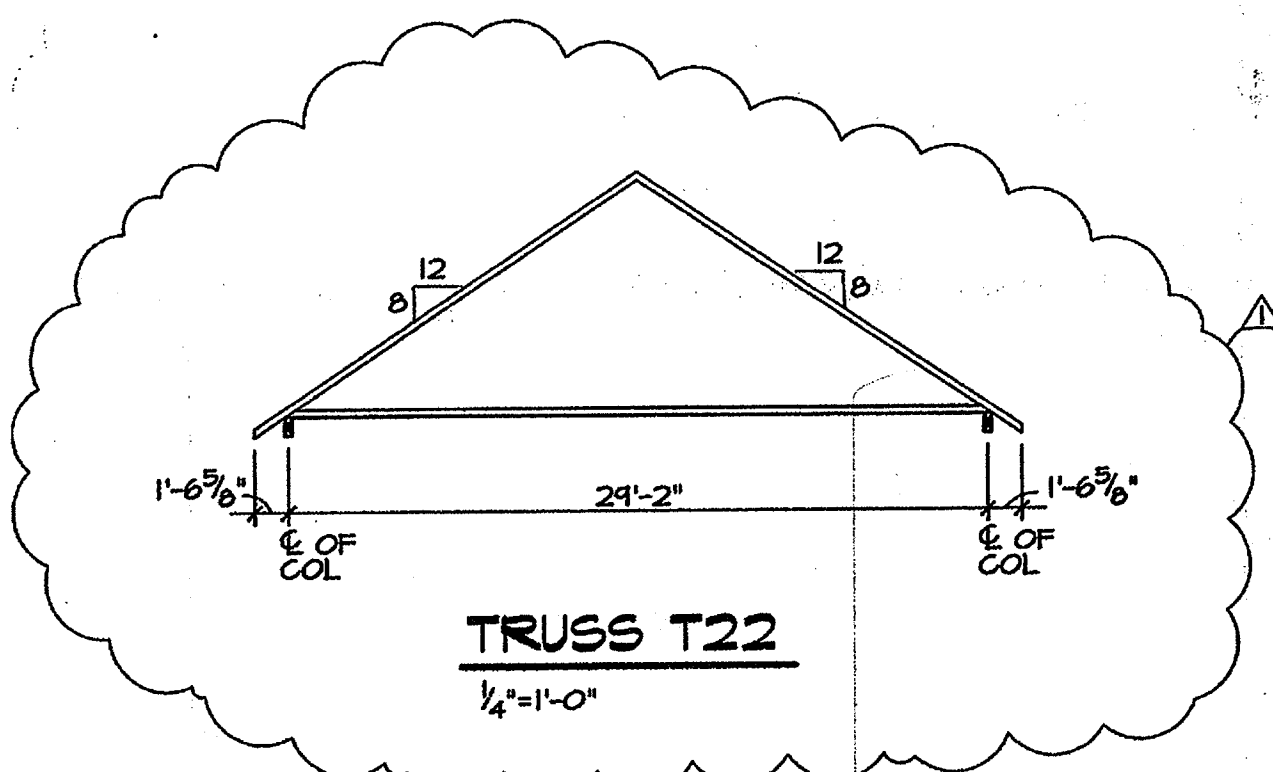
1. SEE SHEET S000 FOR TRUSS DESIGN NOTES.
2. SPACE ALL TRUSSES AND BLK AT 2'-0" O.C. (MAXIMUM)



ROOF FRAMING PLAN
1/8"=1'-0"



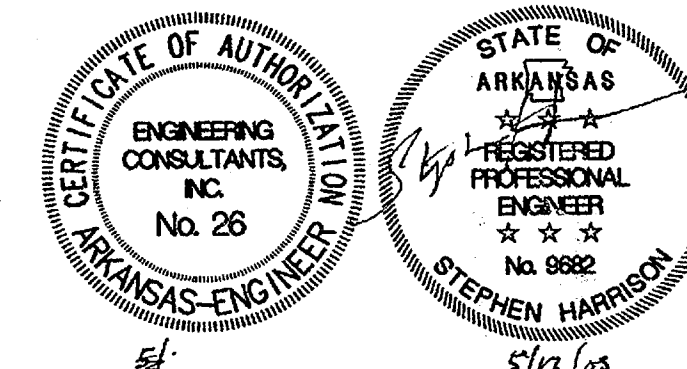
FOUNDATION PLAN
1/8"=1'-0"



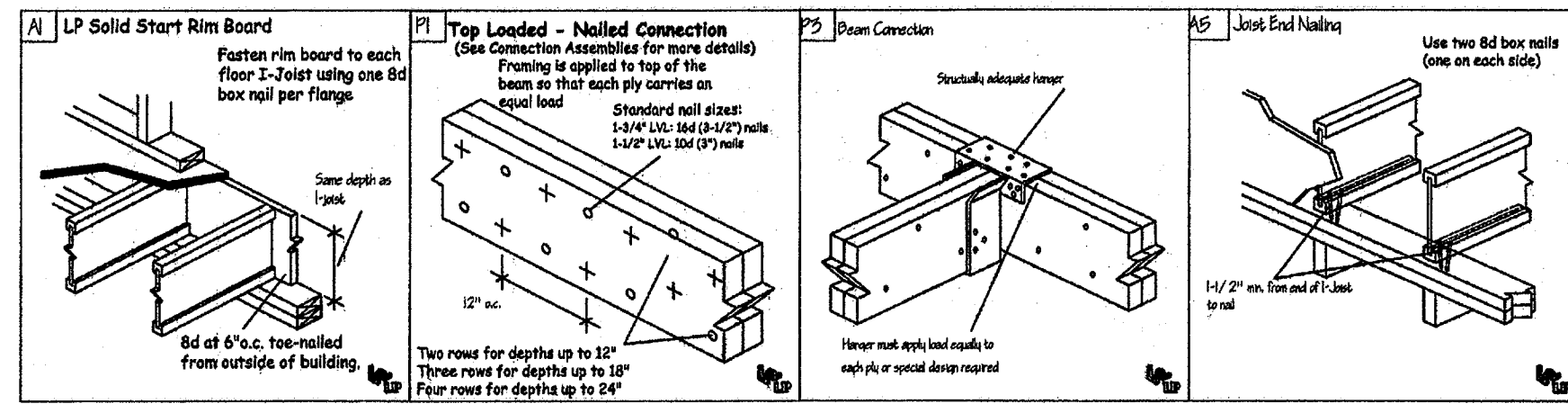
PLAN NOTES

1. ALL DIMENSION ARE TO THE EDGE OF SLAB UNO.

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Structural Engineers
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Little Rock, Arkansas 72201-3401
Phone No: (501) 376-3752
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NOTE: PLEASE REVIEW LOUISIANA-PACIFIC'S HANDLING AND INSTALLATION RECOMMENDATIONS LOCATED ON THE REVERSE SIDE OF THIS DRAWING.



General Notes

1. ALWAYS READ PRODUCT BROCHURE BEFORE INSTALLATION OF EWP PRODUCTS.
2. REFER TO HOLE CHARTS PRIOR TO DRILLING PRODUCT.
3. THIS DOCUMENT IS INTENDED SOLELY AS A REPLACEMENT FOR YOUR ORIGINAL STRUCTURAL PLANS.
4. THIS DOCUMENT IS NOT TO BE USED AS A REPLACEMENT FOR YOUR ORIGINAL STRUCTURAL PLANS.
5. LAYOUT, QUANTITY AND LENGTH TO BE VERIFIED BY CONTRACTOR.
6. JOIST LAYOUT SHOWN IS TO ASSIST WITH ESTIMATE AND JOIST LOCATION. SUPERINTENDANT IS RESPONSIBLE TO SEE THAT JOIST & LVL LOCATIONS DO NOT INTERFERE WITH PLUMBING OR MECHANICAL EQUIPMENT.
7. JOISTS ARE DESIGNED FOR FLOOR LOAD ONLY. ALL ROOF & CEILING LOADS ARE TO BEAR DIRECTLY ON LOAD BEARING WALLS.

Designed by: ELLIAH J. MICHAELS - CEDAR CREEK

MARK	TYPE	QTY.	SERIES	DEPTH	LENGTH
J10	I-JOIST	17	LPI32	16"	4'
J9	I-JOIST	9	LPI32	16"	6'
J7	I-JOIST	2	LPI32	16"	8'
J6	I-JOIST	3	LPI32	16"	10'
J4	I-JOIST	267	LPI32	16"	12'
J3	I-JOIST	140	LPI32	16"	16'
J2	I-JOIST	30	LPI32	16"	24'
J1	I-JOIST	30	LPI32	16"	26'
J8	I-JOIST	12	LPI56c	16"	8'
J5	I-JOIST	4	LPI56c	16"	12'

N/A	TYPE	QTY.	SERIES	DEPTH	SPACING
-	I-JOIST BLOCK	74	LPI32	16"	24" O.C.

N/A	TYPE	QTY.	SERIES	DEPTH	LENGTH
-	RIM	111	1" Solid Start	16"	16'

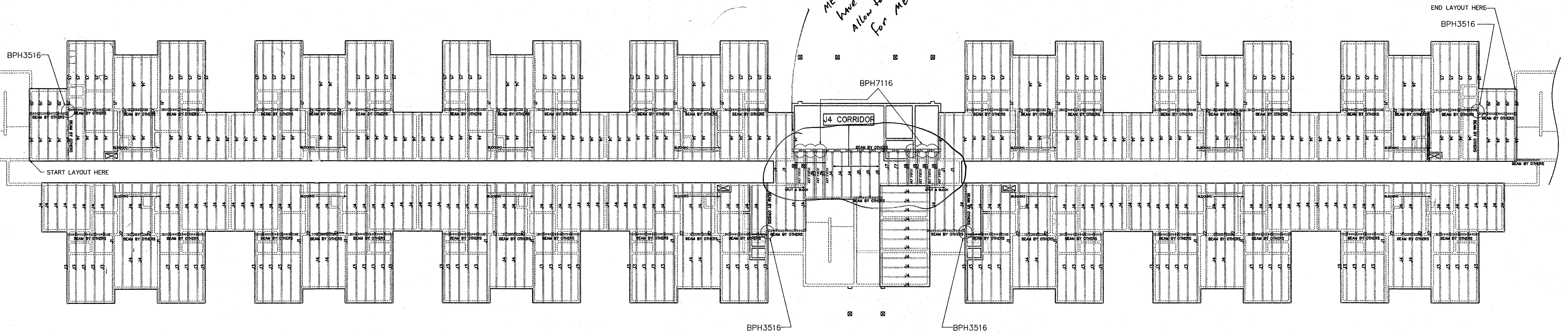
N/A	TYPE	QTY.	SERIES	MANUFACTURER	N/A
-	HANGER	8	BPH3516	USP	-
-	HANGER	8	BPH7116	USP	-
-	HANGER	323	THO25160	USP	-

*Multi-ply beam ply's are added to multi-ply quantity.

PLAN I.D.
BRACKETT KRENNERICH
NEW RESIDENCE HALL
ARKANSAS STATE UNIVERSITY

FAIR
MEMBERS IN THIS AREA
HAVE BEEN REVIEWED TO
ALLOW FOR MORE HAND BEAM
FOR MECH

CR115 Ext.



NOTES:

1. HANGERS NOT LABELLED ARE ALL THO25160.
2. BALOON FRAME BY OTHERS IN BETWEEN UNITS TYPICAL THROUGHOUT.
3. ALL MATERIAL LIST ARE TO BE TRIMMED AND FIT BY OTHERS.

SCALE: 3/32" = 1'
SECOND FLOOR
BUILDING 1, 2, 4, & 5

THIS COMPONENT DESIGN IS SPECIFICALLY FOR LP ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN GANG-LAM LVL OR LPI-JOISTS IS STRICTLY PROHIBITED. THIS LAYOUT IS PROVIDED AS A CONVENIENCE TO THE FRAMER ONLY TO SHOW JOIST AND BEAM LOCATIONS AND IS NOT TO BE USED AS THE STRUCTURAL FRAMING PLAN.

CEDAR CREEK HAS MADE EVERY EFFORT TO BE AS ACCURATE AS POSSIBLE WITH THIS STRUCTURAL TAKEOFF. DUE TO LACK OF DETAIL AND INFORMATION ON MANY PLANS AND THE VARIANCE OF FRAMING TECHNIQUES IN THE INDUSTRY, CERTAIN DESIGN ASSUMPTIONS MAY HAVE BEEN MADE. THEREFORE IT IS IMPERATIVE THAT THE LUMBER DEALER AND THE CUSTOMER REVIEW THESE PLANS FOR LAYOUT, BEARING LOCATIONS, POINT LOADS, AND SPECIAL CONDITIONS PRIOR TO ORDERING. FAILURE TO DO SO WILL CONSTITUTE ACCEPTANCE AS DRAWN AND ANY CHANGES, ADDITIONS, OR DELETIONS WILL BE AT THE EXPENSE OF THE LUMBER DEALER AND/OR CONTRACTOR. THIS LAYOUT CONTAINS ENGINEERED WOOD PRODUCTS WITH SPECIFIC DESIGN VALUES, ANY SUBSTITUTION MUST HAVE EQUAL OR GREATER DESIGN VALUES.

TULSA, OK
 600 S. HIGHT LANE
 900-228-2800
 FAX: 918-228-2800

CEDAR CREEK
 WHOLESALE, INC.

LATCO WOOD TRUSS
 LINCOLN, AR

PLAN ID
 SECOND FLOOR
 BLDG. # 1, 2, 4, & 5

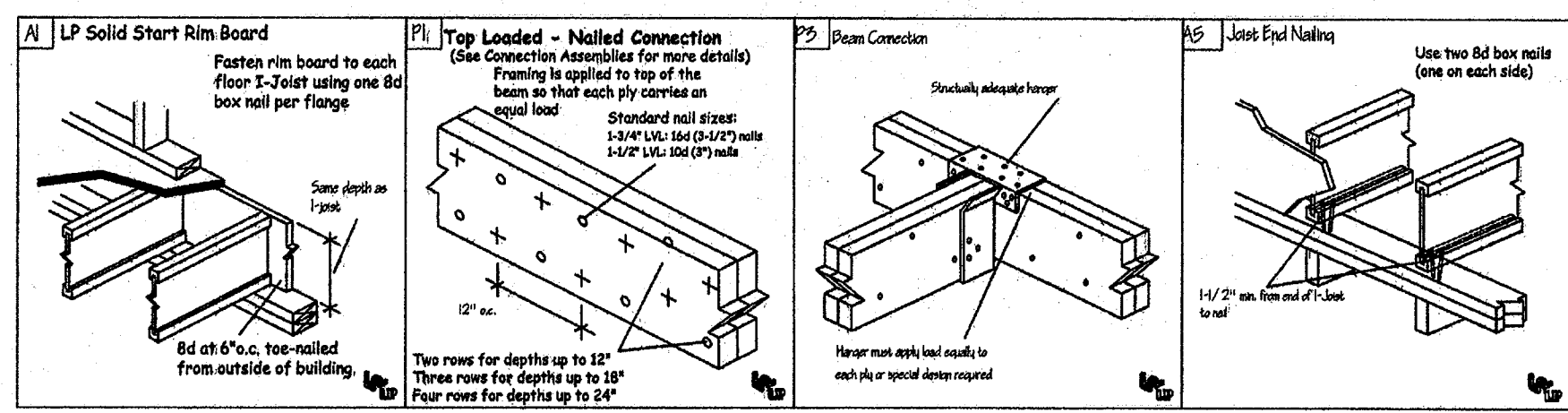
CEDAR CREEK
 Date: 02/03/05
 Scale: 3/32" = 1'
 Drawn By: E. MICHAELS
 Revised: 02/22/05

E050202L

NOTE: PLEASE REVIEW LOUISIANA-PACIFIC'S HANDLING AND INSTALLATION RECOMMENDATIONS LOCATED ON THE REVERSE SIDE OF THIS DRAWING.

General Notes

1. ALWAYS READ PRODUCT BROCHURE BEFORE INSTALLATION OF EWP PRODUCTS.
2. REFER TO HOLE CHARTS PRIOR TO DRILLING PRODUCT.
3. THIS DOCUMENT IS INTENDED SOLELY AS A REPLACEMENT PLAN. IT IS TO BE REVIEWED BY THE ENGINEER OF RECORD AND MUST MEET HIS/HER APPROVAL PRIOR TO INSTALLATION OF OUR PRODUCT.
4. THIS DOCUMENT IS NOT TO BE USED AS A REPLACEMENT FOR YOUR ORIGINAL STRUCTURAL PLANS.
5. LAYOUT, QUANTITY AND LENGTH TO BE VERIFIED BY CONTRACTOR.
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Designed By: ELIJAH J. MICHAELS - CEDAR CREEK

MARK	TYPE	QTY.	SERIES	DEPTH	LENGTH
J8	I-JOIST	17	LP132	16"	4'
J7	I-JOIST	11	LP132	16"	6'
J6	I-JOIST	3	LP132	16"	8'
J5	I-JOIST	2	LP132	16"	10'
J4	I-JOIST	267	LP132	16"	12'
J3	I-JOIST	143	LP132	16"	16'
J2	I-JOIST	30	LP132	16"	24'
J1	I-JOIST	30	LP132	16"	26'

N/A	TYPE	QTY.	SERIES	DEPTH	SPACING
-	I-JOIST BLOCK	70	LP132	16"	24" O.C.

N/A	TYPE	QTY.	SERIES	DEPTH	LENGTH
-	RIM	113	1" Solid Start	16"	16'

N/A	TYPE	QTY.	SERIES	MANUFACTURER	N/A
-	HANGER	8	BPH3516	USP	-
-	HANGER	315	THO25160	USP	-

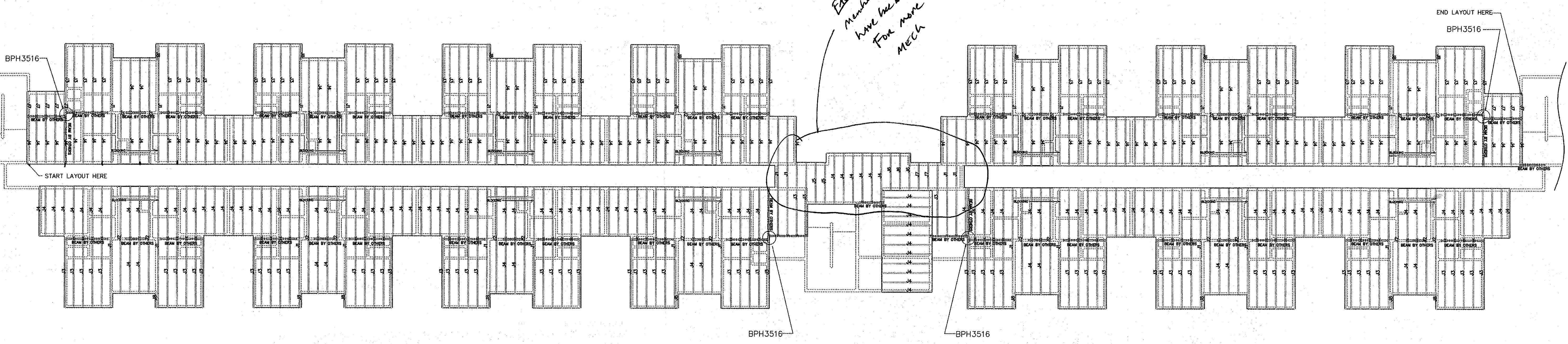
**Multi-ply beam plys are added to multi-ply quantity.

108
84
420

PLAN I.D.

BRACKETT KRENNERICH
NEW RESIDENCE HALL
ARKANSAS STATE UNIVERSITY

Edges & Members in this Area have been Revised to Allow For more head room for MECH.



NOTES:

1. HANGERS NOT LABELLED ARE ALL THO25160.
2. BALOON FRAME BY OTHERS IN BETWEEN UNITS TYPICAL THROUGHOUT.
3. ALL MATERIALS ARE TO BE TRIMMED AND FIT BY OTHERS.

SCALE: 3/32" = 1'

THIRD FLOOR
BUILDING 1, 2, 4, & 5

THIS COMPONENT DESIGN IS SPECIFICALLY FOR LP ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN GANG-LAM LVL OR LPI-JOISTS IS STRICTLY PROHIBITED. THIS LAYOUT IS PROVIDED AS A CONVENIENCE TO THE FRAMER ONLY TO SHOW JOIST AND BEAM LOCATIONS AND IS NOT TO BE USED AS THE STRUCTURAL FRAMING PLAN.

CEDAR CREEK HAS MADE EVERY EFFORT TO BE AS ACCURATE AS POSSIBLE WITH THIS STRUCTURAL TAKEOFF. DUE TO LACK OF DETAIL AND INFORMATION ON MANY PLANS AND THE VARIANCE OF FRAMING TECHNIQUES IN THE INDUSTRY, CERTAIN DESIGN ASSUMPTIONS MAY HAVE BEEN MADE. THEREFORE IT IS IMPERATIVE THAT THE LUMBER DEALER AND THE CUSTOMER REVIEW THESE PLANS FOR LAYOUT, BEARING LOCATIONS, POINT LOADS, AND SPECIAL CONDITIONS PRIOR TO ORDERING. FAILURE TO DO SO WILL CONSTITUTE ACCEPTANCE AS DRAWN AND ANY CHANGES, ADDITIONS, OR DELETIONS WILL BE AT THE EXPENSE OF THE LUMBER DEALER AND/OR CONTRACTOR. THIS LAYOUT CONTAINS ENGINEERED WOOD PRODUCTS WITH SPECIFIC DESIGN VALUES. ANY SUBSTITUTION MUST HAVE EQUAL OR GREATER DESIGN VALUES.

TULSA, OK
 918-252-8600
 FAX: 918-252-8900

CEDAR CREEK
 WHOLESALE, INC.

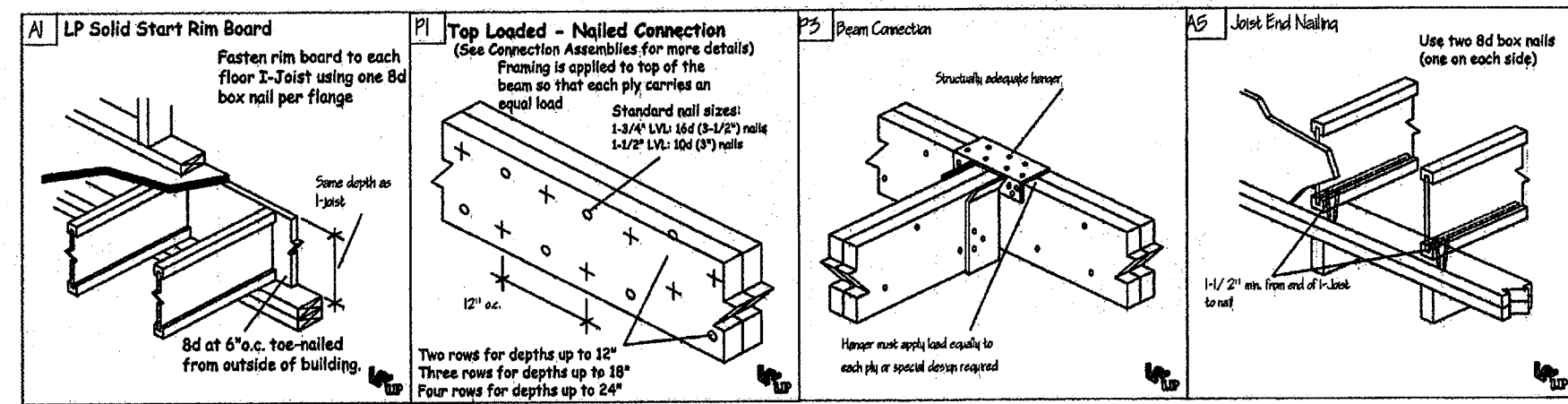
LATCO WOOD TRUSS
 LINCOLN, AR

PLAN ID
 THIRD FLOOR
 BLDG. # 1, 2, 4 & 5

CEDAR CREEK
 DATE: 02/03/05
 SCALE: 3/32" = 1'
 DRAWN BY: E. MICHAELS
 CHECKED: 02/22/05

E050202A

NOTE: PLEASE REVIEW LOUISIANA-PACIFIC'S HANDLING AND INSTALLATION RECOMMENDATIONS LOCATED ON THE REVERSE SIDE OF THIS DRAWING.



General Notes

1. ALWAYS READ PRODUCT BROCHURE BEFORE INSTALLATION OF EWP PRODUCTS.
2. REFER TO HOLE CHARTS PRIOR TO DRILLING PRODUCT.
3. THIS DOCUMENT IS INTENDED SOLELY AS A REPLACEMENT PLAN. IT IS TO BE REVIEWED BY THE ENGINEER OF RECORD AND MUST MEET HIS/HER APPROVAL PRIOR TO INSTALLATION OF OUR PRODUCT.
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6. JOIST LAYOUT SHOWN IS TO ASSIST WITH ESTIMATE AND JOIST LOCATION. SUPERINTENDANT IS RESPONSIBLE TO SEE THAT JOIST & LM LOCATIONS DO NOT INTERFERE WITH PLUMBING OR MECHANICAL EQUIPMENT.
7. JOISTS ARE DESIGNED FOR FLOOR LOAD ONLY. ALL ROOF & CEILING LOADS ARE TO BEAR DIRECTLY ON LOAD BEARING WALLS.

Designed By: ELIJAH J. MICHAELS - CEDAR CREEK

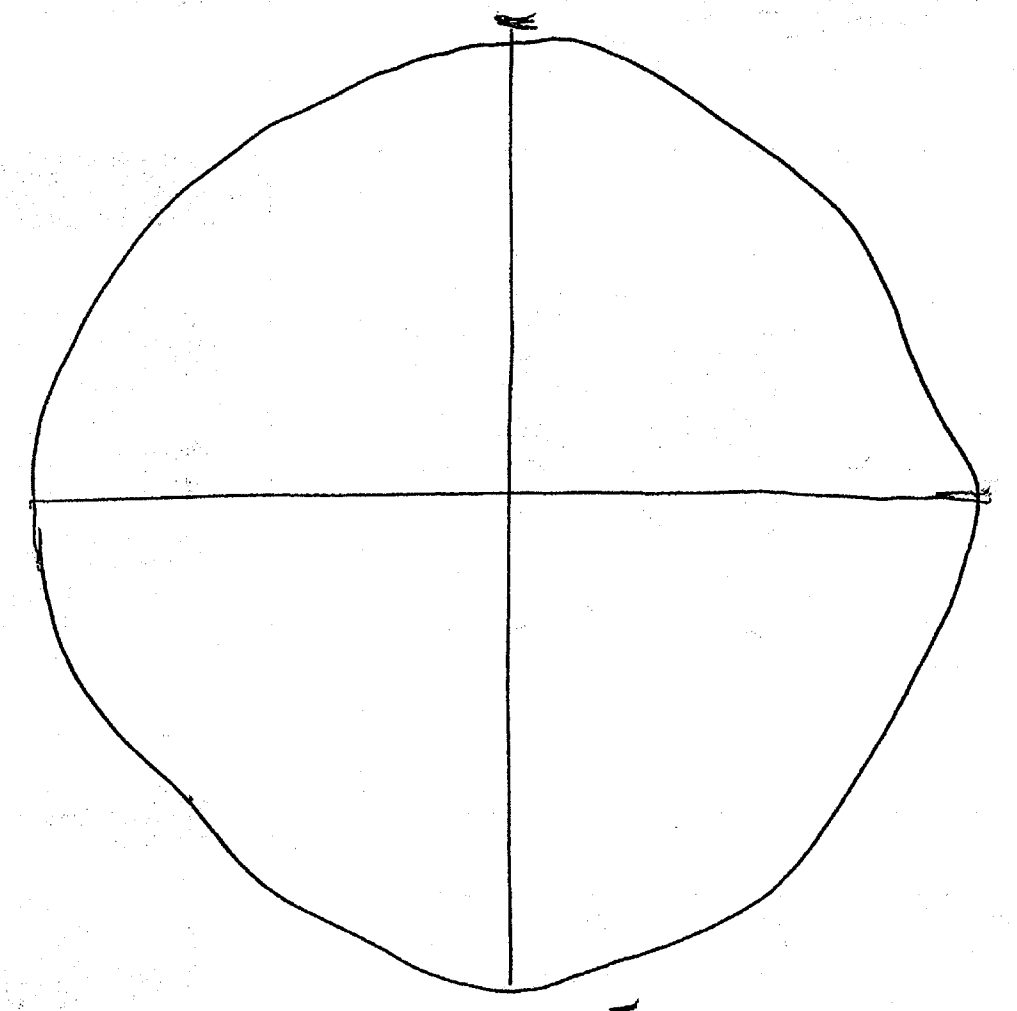
MARK	TYPE	QTY.	SERIES	DEPTH	LENGTH
J10	F-JOIST	18	LPI32	16"	4'
J9	F-JOIST	9	LPI32	16"	6'
J7	F-JOIST	2	LPI32	16"	8'
J6	F-JOIST	3	LPI32	16"	10'
J4	F-JOIST	267	LPI32	16"	12'
J3	F-JOIST	140	LPI32	16"	16'
J2	F-JOIST	30	LPI32	16"	24'
J1	F-JOIST	30	LPI32	16"	26'
J8	F-JOIST	12	LP156a	16"	8'
J5	F-JOIST	4	LP156a	16"	12'

N/A	TYPE	QTY.	SERIES	DEPTH	SPACING
-	F-JOIST BLOCK	74	LPI32	16"	24" O.C.

N/A	TYPE	QTY.	SERIES	DEPTH	LENGTH
-	RIM	111	1" Solid Start	16"	16'

N/A	TYPE	QTY.	SERIES	MANUFACTURER	N/A
-	HANGER	8	BPH3516	USP	-
-	HANGER	8	BPH7116	USP	-
-	HANGER	323	THO25160	USP	-

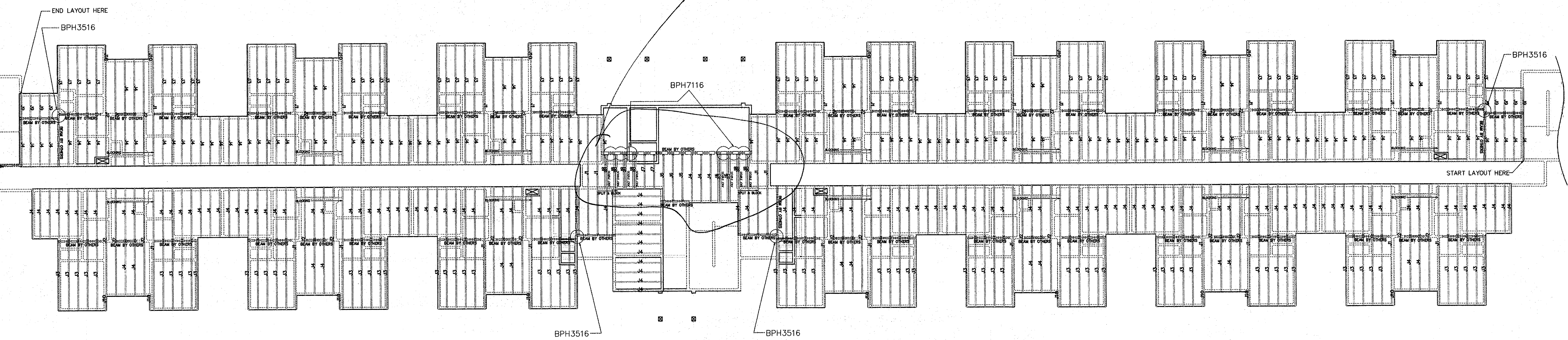
**Multi-ply beam ply's are added to multi-ply quantity.



PLAN I.D.

BRACKETT KRENNERICH
NEW RESIDENCE HALL
ARKANSAS STATE UNIVERSITY

See notes on 2021



NOTES:

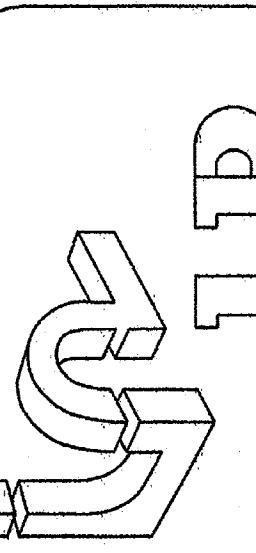
1. HANGERS NOT LABELLED ARE ALL THO25160.
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SCALE: 3/32" = 1'

SECOND FLOOR
BUILDING 3

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TULSA, OK
6005 S HATHL E AVE
918-438-2800
FAX: 918-438-2800

CEDAR CREEK
WHOLESALE, INC.

Project Name and Address

LATCO WOOD TRUSS
LINCOLN, AR

PLAN ID
SECOND FLOOR
BLDG. # 3

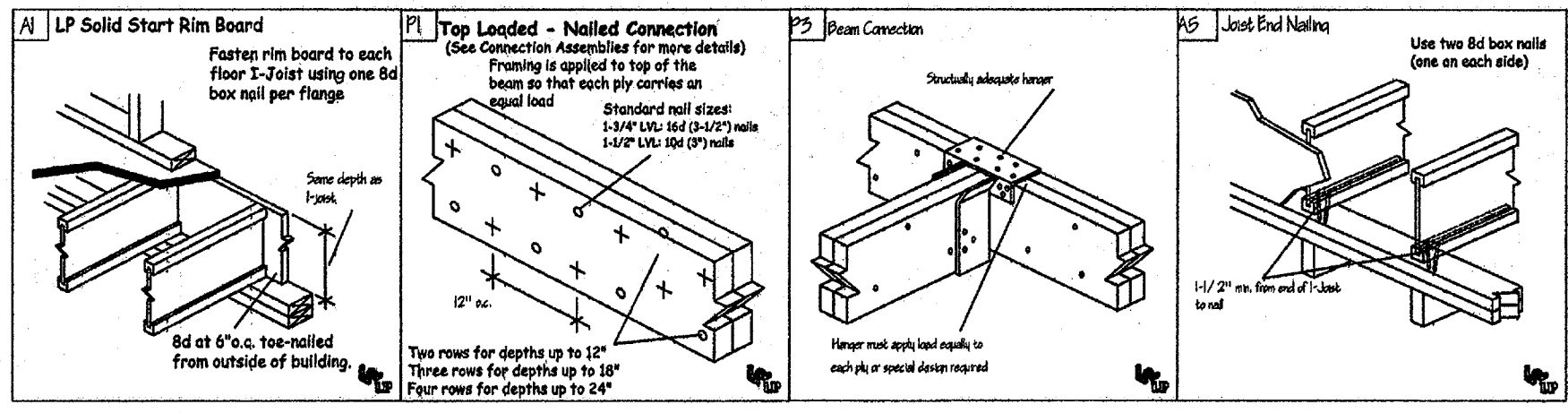
CEDAR CREEK
Date: 02/03/05
Scale: 3/32" = 1"
Drawn By: E. MICHAELS
Checked: 02/22/05

E0502021

NOTE: PLEASE REVIEW LOUISIANA-PACIFIC'S HANDLING AND INSTALLATION RECOMMENDATIONS LOCATED ON THE REVERSE SIDE OF THIS DRAWING.

General Notes

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Designed By: ELIJAH J. MICHAELS - CEDAR CREEK

MARK	TYPE	QTY.	SERIES	DEPTH	LENGTH
J8	I-JOIST	18	LPI32	16"	4'
J7	I-JOIST	11	LPI32	16"	6'
J6	I-JOIST	3	LPI32	16"	8'
J5	I-JOIST	2	LPI32	16"	10'
J4	I-JOIST	267	LPI32	16"	12'
J3	I-JOIST	143	LPI32	16"	16'
J2	I-JOIST	30	LPI32	16"	24'
J1	I-JOIST	30	LPI32	16"	26'

N/A	TYPE	QTY.	SERIES	DEPTH	SPACING
-	I-JOIST BLOCK	70	LPI32	16"	24" O.C.

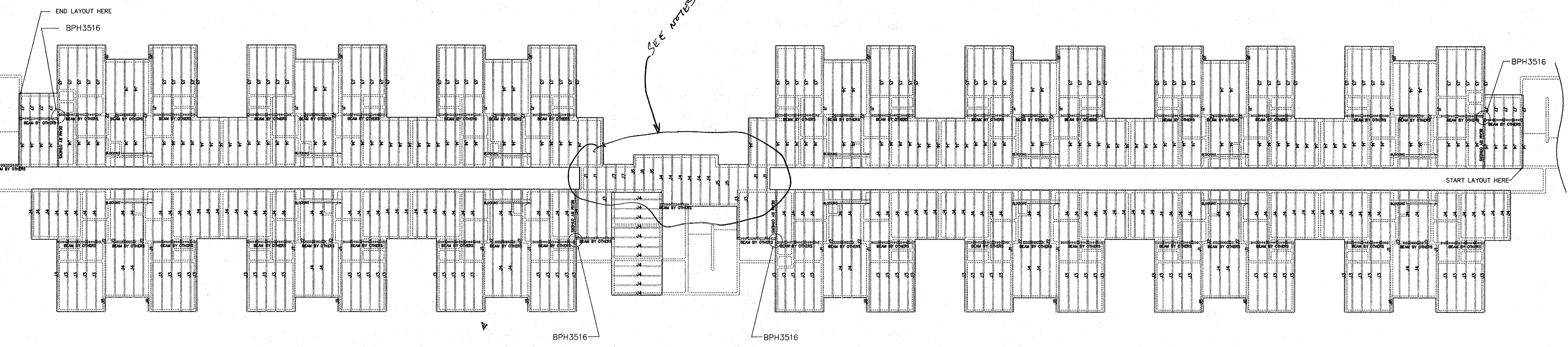
N/A	TYPE	QTY.	SERIES	DEPTH	LENGTH
-	RIM	113	1" Solid Start	16"	16'

N/A	TYPE	QTY.	SERIES	MANUFACTURER	N/A
-	HANGER	8	BPH3516	USP	-
-	HANGER	316	THO25160	USP	-

**Multi-ply beam ply's are added to multi-ply quantity.

PLAN I.D.

BRACKETT KRENNERICH
NEW RESIDENCE HALL
ARKANSAS STATE UNIVERSITY



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THIRD FLOOR
BUILDING 3

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CDR

TRA, S.A. CO.
6503 S. HATHLE GATE
PH: 505-255-8888
FAX: 505-255-8830

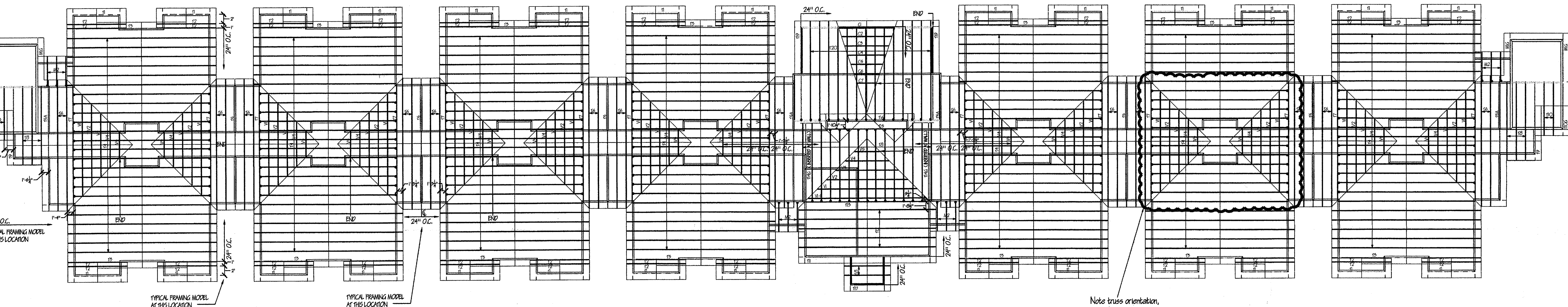
CEDAR CREEK
WHOLESALE, INC.

Project Name and Address
LATCO WOOD TRUSS
LINCOLN, AR

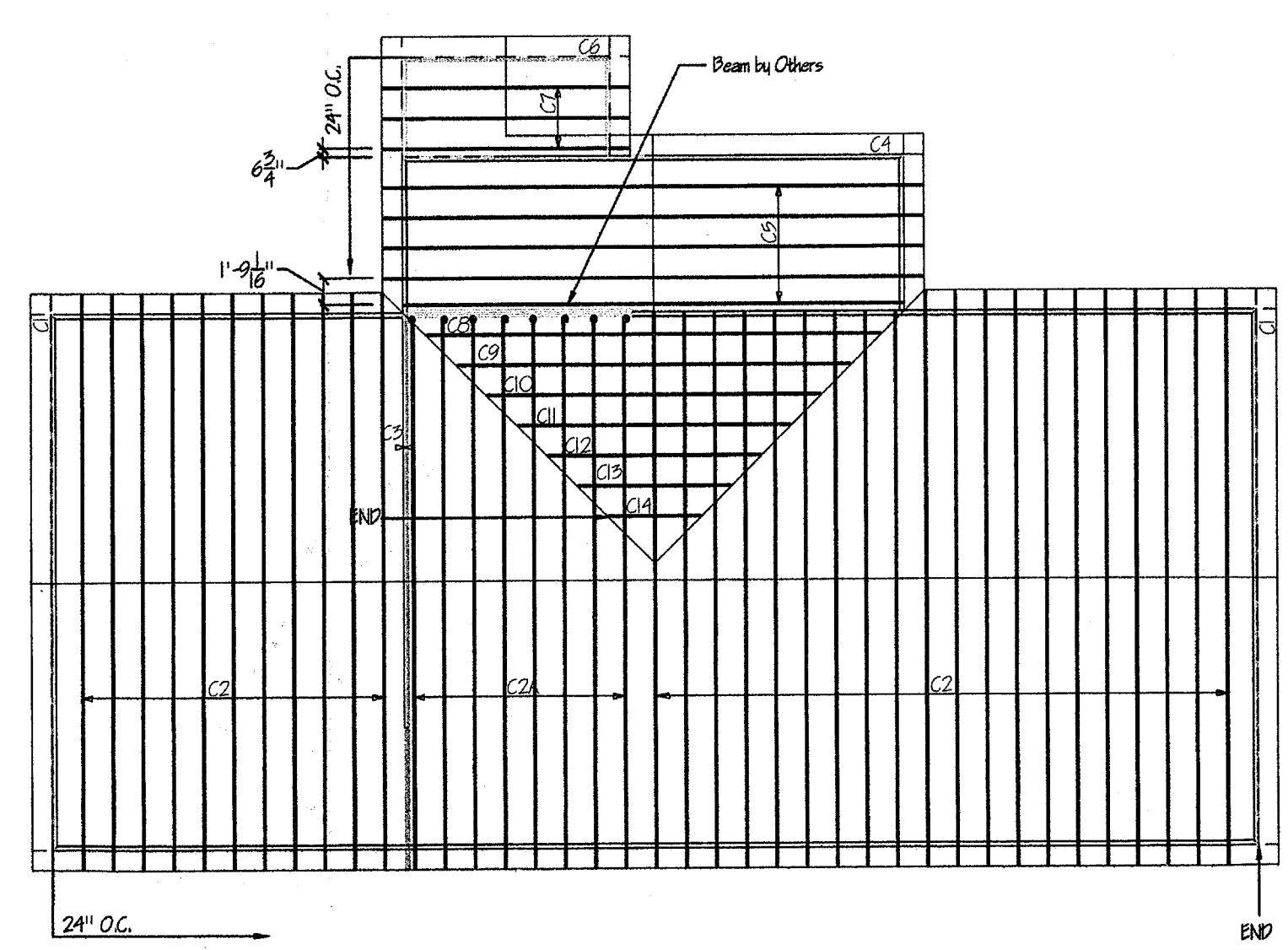
PLAN ID
THIRD FLOOR
BLDG. # 3

CEDAR CREEK
Date: 02/03/05
Scale: 3/32" = 1'
Drawn by: E. MICHAELS
Checked by: 02/22/05

EO50202R



Note truss orientation,
as per Latco's Proposal
dated 12/05/04.
Typical at each location.



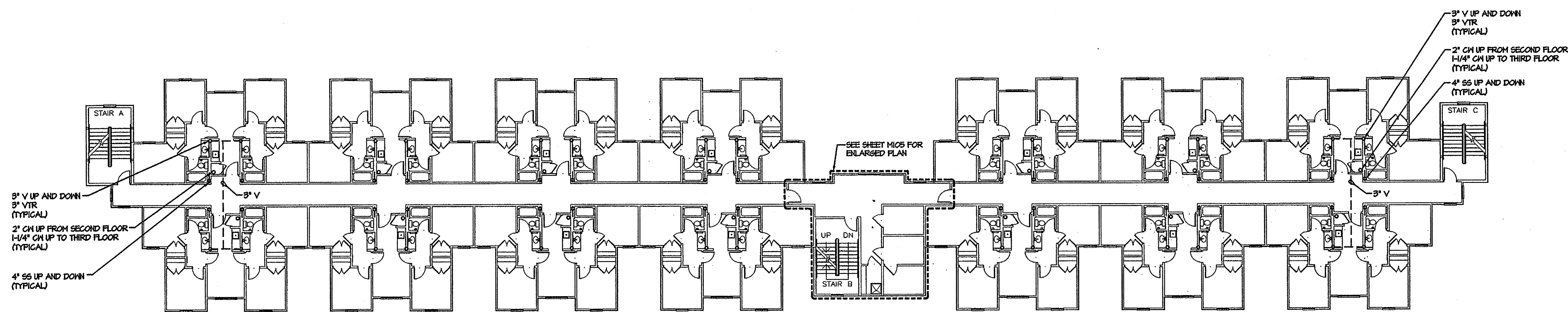
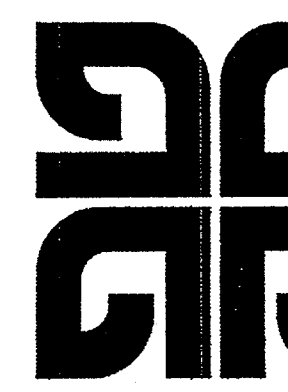
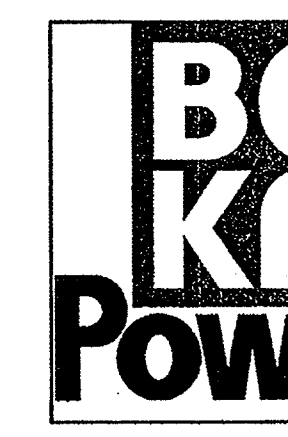
- ROOF NOTES:**
1. Refer to Truss drawings supplied with Job Site Package for Continuous Lateral Bracing (CLB) - CLB's are marked (A) on truss drawings.
 2. Where CLB's cannot be used substitute L-brace or T-brace. (See Job Site Package)
 3. Apply sheathing to trusses before framing Valley
 4. LATCO recommends Simpson H2.5a or Equal at all Truss to Bearing connections (Unless Noted Otherwise on layout).
 5. See Job Site Package Supplied with Trusses for Multi-ply Trusses and how to fasten them together.
 6. See Job Site Package Supplied with Trusses for Cap Truss Connection Details
 7. Only Trusses shown on this Layout are being supplied by LATCO. No Other Trusses are implied nor should they be assumed.
 8. Bottom Chord of Trusses to be braced at 10'-0\"/>
 - 9. See "Job Site Package" for Temporary Bracing Requirements
 - 10. Refer to Details in the Job Site Package For Broken Chord Repairs
 - 11. Refer to Details in the Job Site Package For Broken Web Repairs
 - 12. Refer to Details in the Job Site Package For Overhang Scab Details
 - 13. If Truss needs to be Altered for Any Reason on Job Site Framing Contractor/ Super MUST Inform Latco Before Alterations

•=HUS26 Hangers



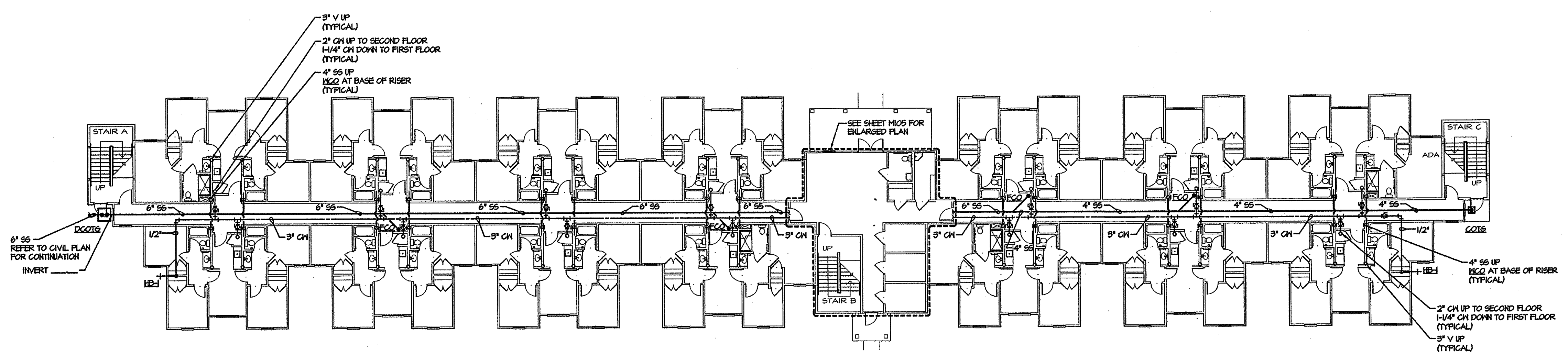
P.O. Box 9, Lincoln, AR 72144 479-824-3282

Project: New Residence Hall Community	
Location: Jonesboro, Arkansas	
Drawn By: Shane Grisham	Date: 01/12/05
Revised By: Shane Grisham	Date: 2/08/05
Scale: 3/32" = 1'0"	Page #: 1 of 1

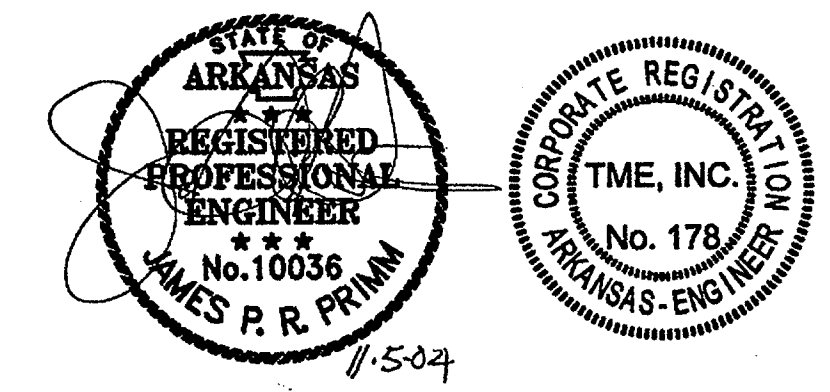


2 BUILDING ONE, TWO, FOUR, AND FIVE
SECOND AND THIRD FLOORS - PLUMBING PLAN
SCALE 1/8" = 1'-0"

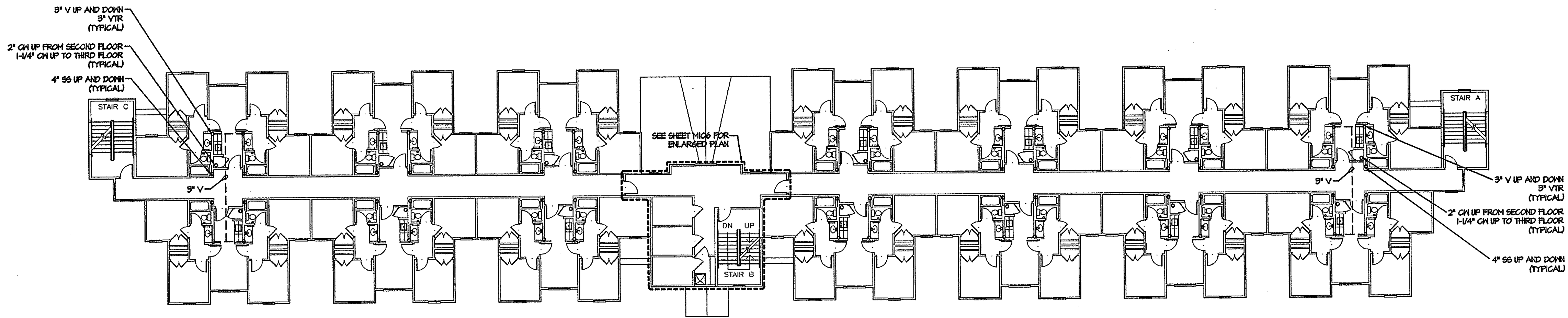
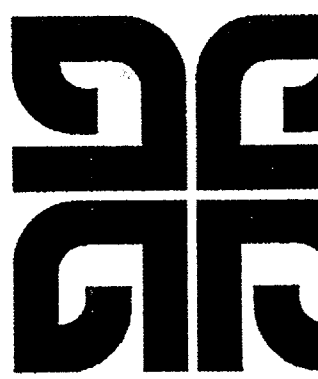
PLUMBING GENERAL NOTES:
1. FOR PLUMBING PLAN OF QUAD ADA SUITE AND QUAD SUITE REFER TO SHEET M104.



1 BUILDING ONE, TWO, FOUR, AND FIVE
FIRST FLOOR - PLUMBING PLAN
SCALE 1/8" = 1'-0"



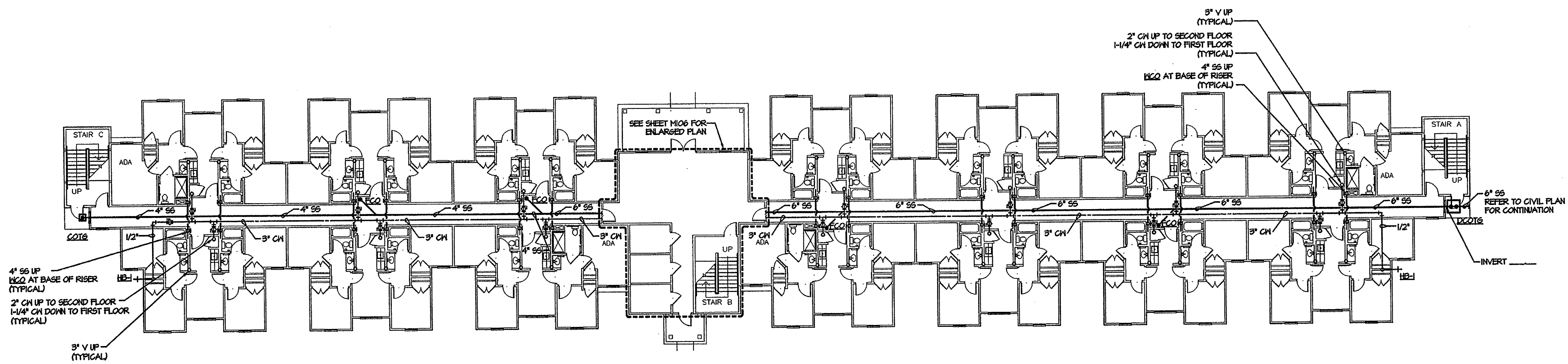
BUILDING ONE,
FOUR, AND
PLUMBING



**2 BUILDING THREE
SECOND AND THIRD FLOORS - PLUMBING PLAN**
SCALE 1/16" = 1'-0"

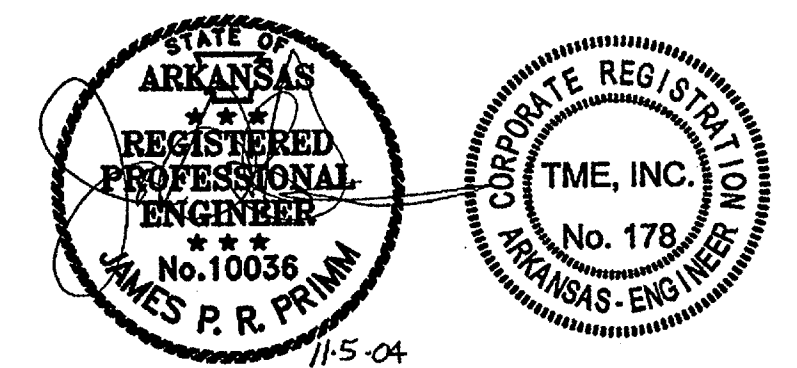
PLUMBING GENERAL NOTES:

- FOR PLUMBING PLAN OF QUAD ADA SUITE AND QUAD SUITE REFER TO SHEET M104.

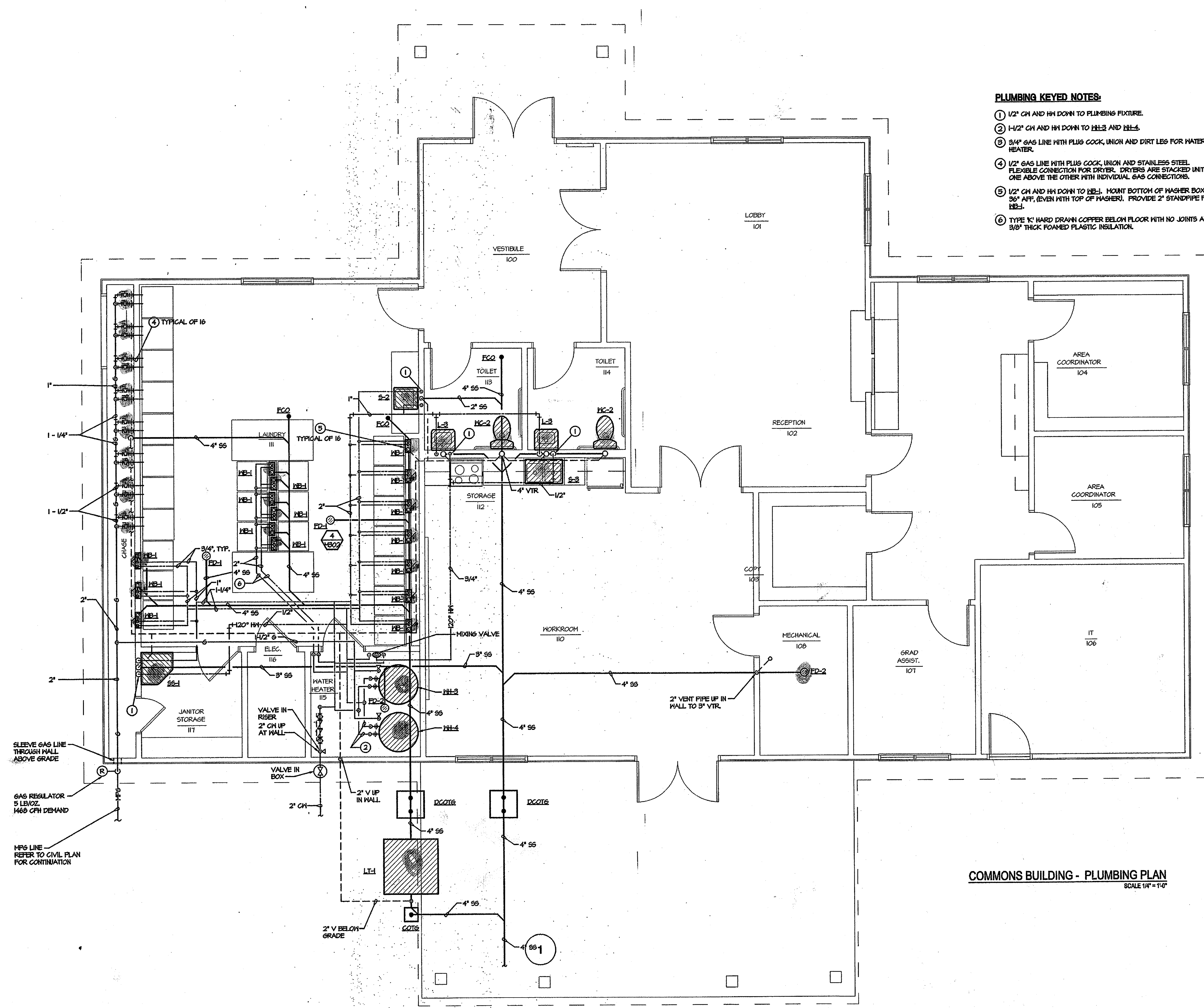


**1 BUILDING THREE
FIRST FLOOR - PLUMBING PLAN**
SCALE 1/16" = 1'-0"

BUILDING TH...
PLUMBING PL...

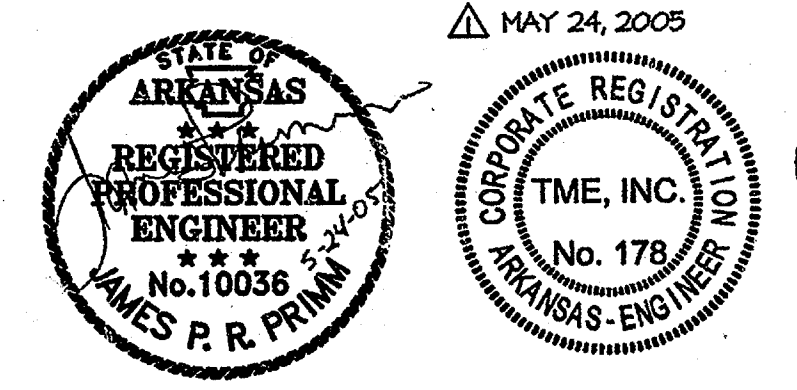


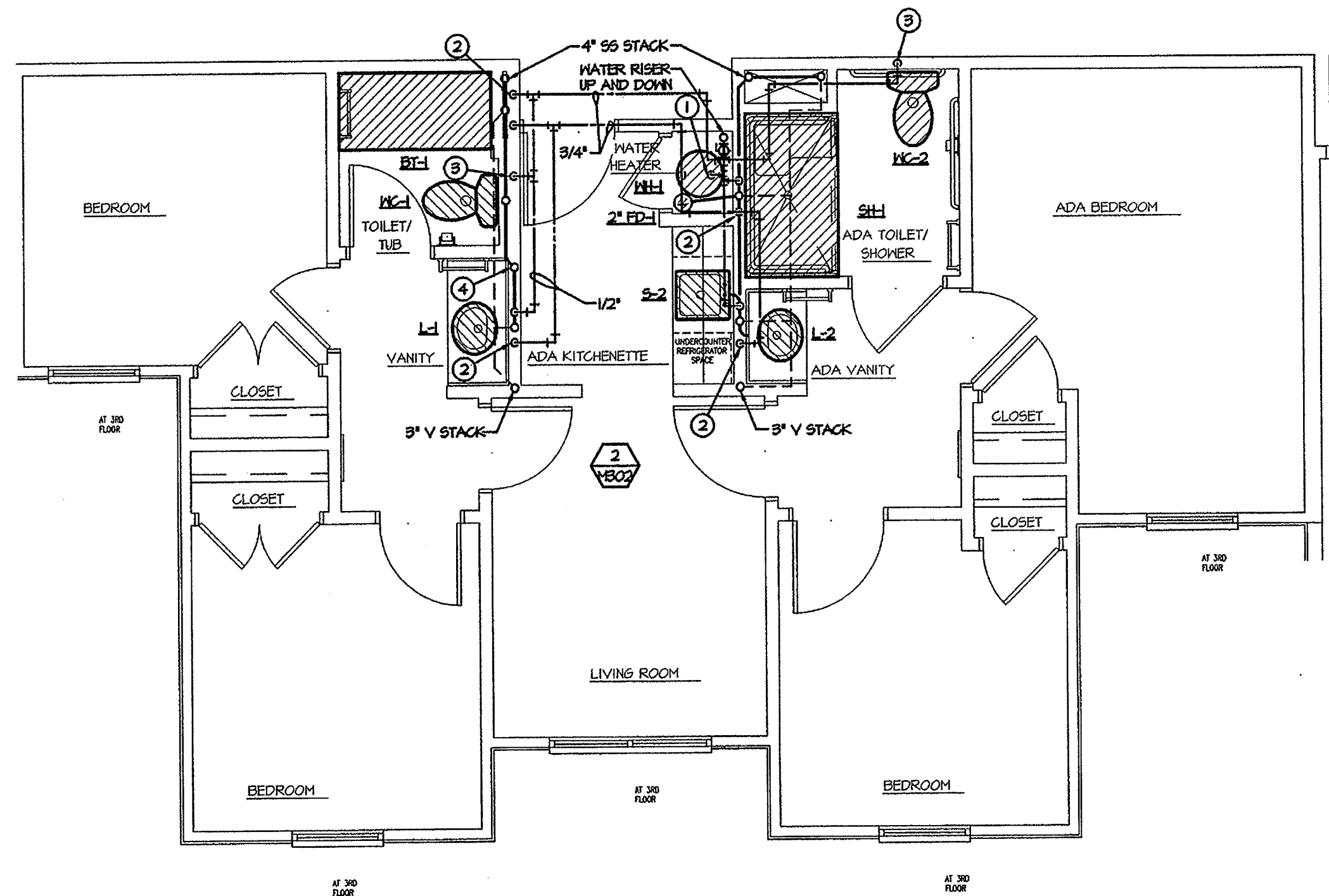
Commission Nu
10404R
M10
Date: November



- PLUMBING KEYED NOTES:**
- ① 1/2" CH AND H1 DOWN TO PLUMBING FIXTURE.
 - ② 1/2" CH AND H1 DOWN TO H1E3 AND H1E-5.
 - ③ 3/4" GAS LINE WITH PLUG COCK, UNION AND DIRT LEG FOR WATER HEATER.
 - ④ 1/2" GAS LINE WITH PLUG COCK, UNION AND STAINLESS STEEL FLEXIBLE CONNECTION FOR DRYER. DRYERS ARE STACKED UNITS, ONE ABOVE THE OTHER WITH INDIVIDUAL GAS CONNECTIONS.
 - ⑤ 1/2" CH AND H1 DOWN TO H1E-1. MOUNT BOTTOM OF WASHER BOX AT 36" AFF. (EVEN WITH TOP OF WASHER). PROVIDE 2" STANDPIPE FOR H1E-1.
 - ⑥ TYPE 'K' HARD DRAWN COPPER BELOW FLOOR WITH NO JOINTS AND 3/8" THICK FOAMED PLASTIC INSULATION.

COMMONS BUILDING - PLUMBING PLAN
SCALE 1/4" = 1'-0"

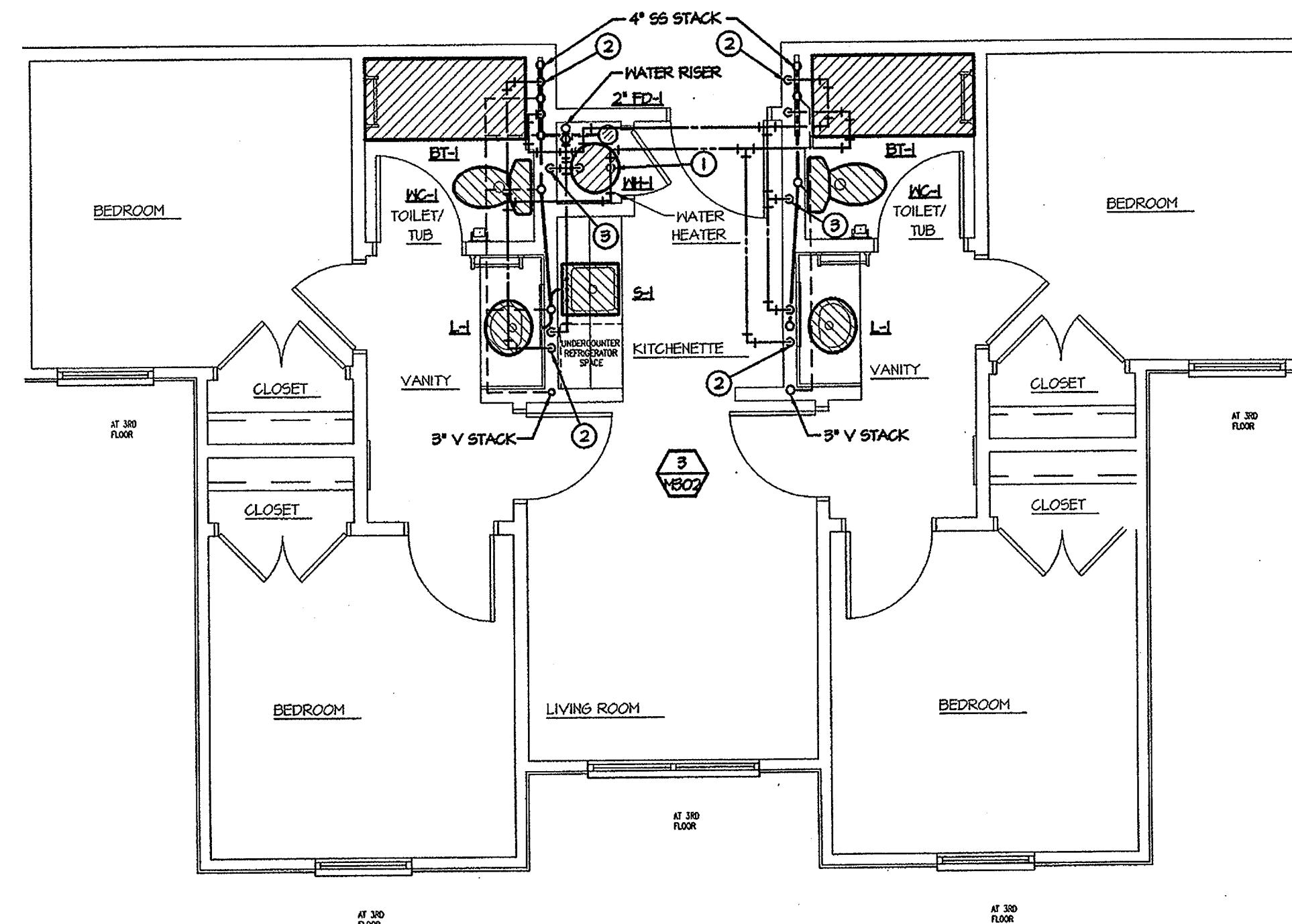




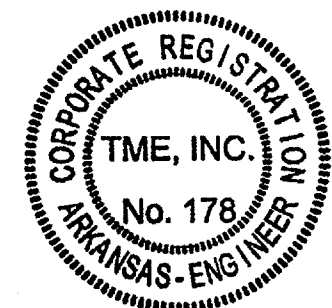
1 QUAD ADA SUITE PLUMBING PLAN
SCALE 1/4" = 1'-0"

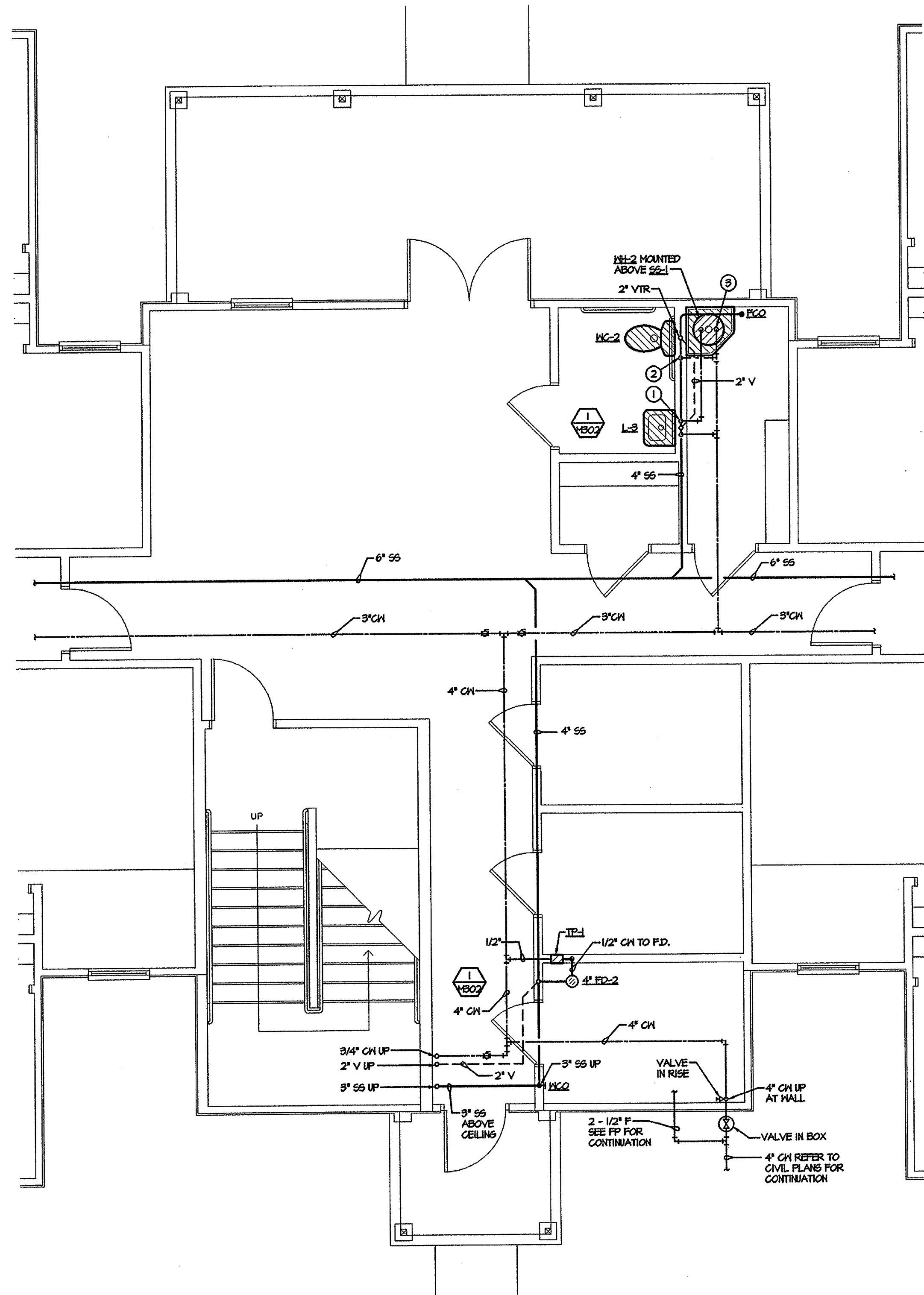
PLUMBING KEYED NOTES:

- ① 3/4" CM AND H/D DOWN TO BELL
- ② 1/2" CM AND H/D DOWN TO PLUMBING FIXTURES.
- ③ 1/2" CM DOWN TO WATER CLOSET.



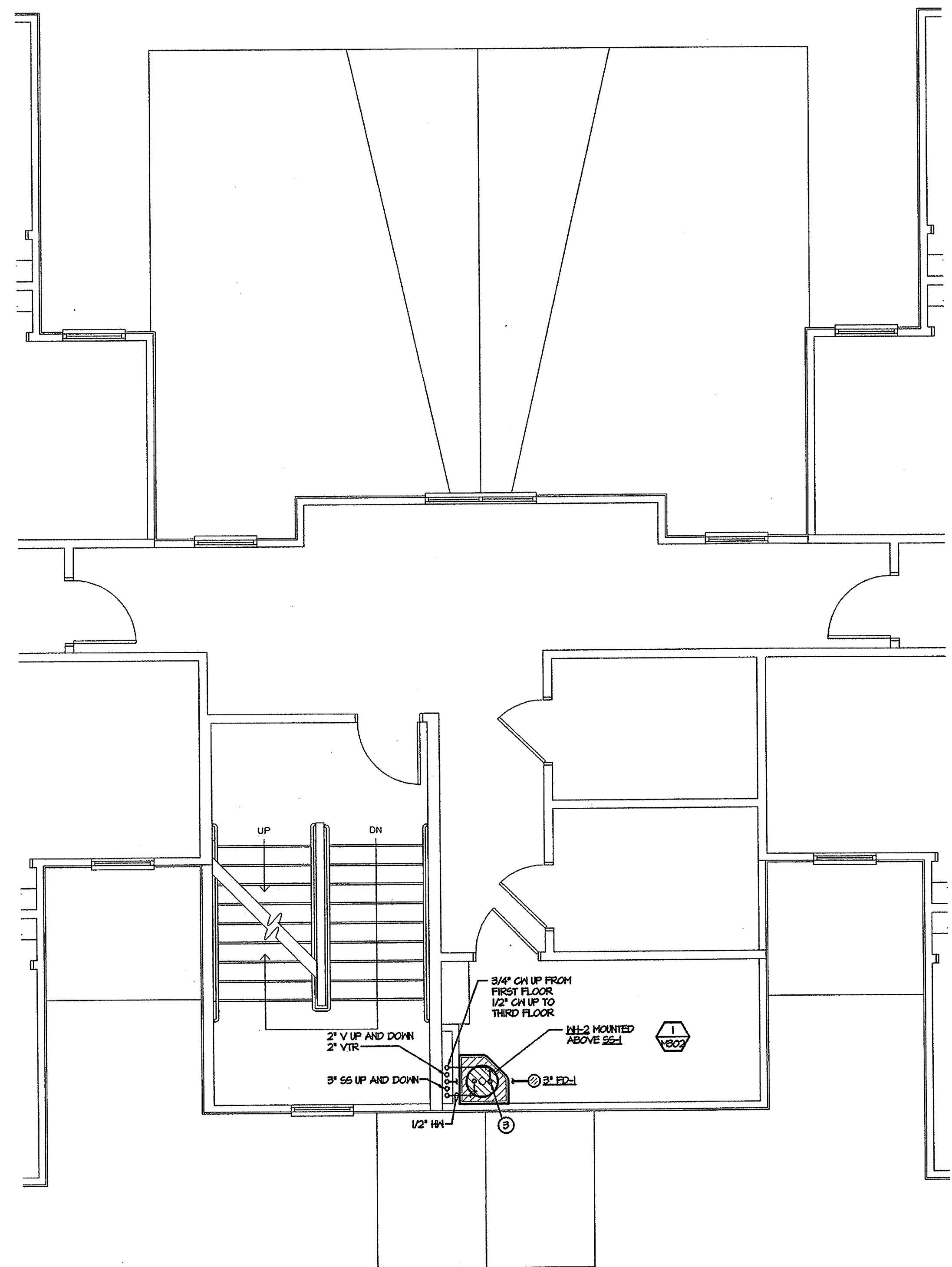
2 QUAD SUITE PLUMBING PLAN
SCALE 1/4" = 1'-0"



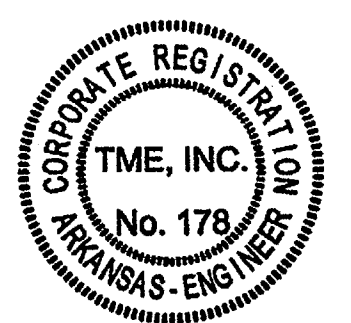
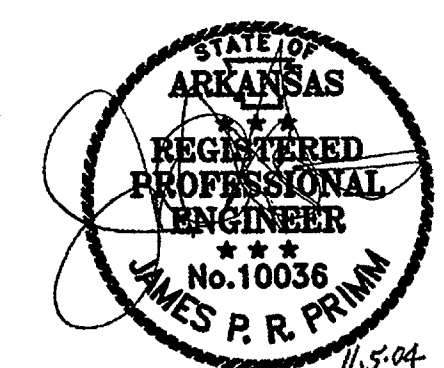


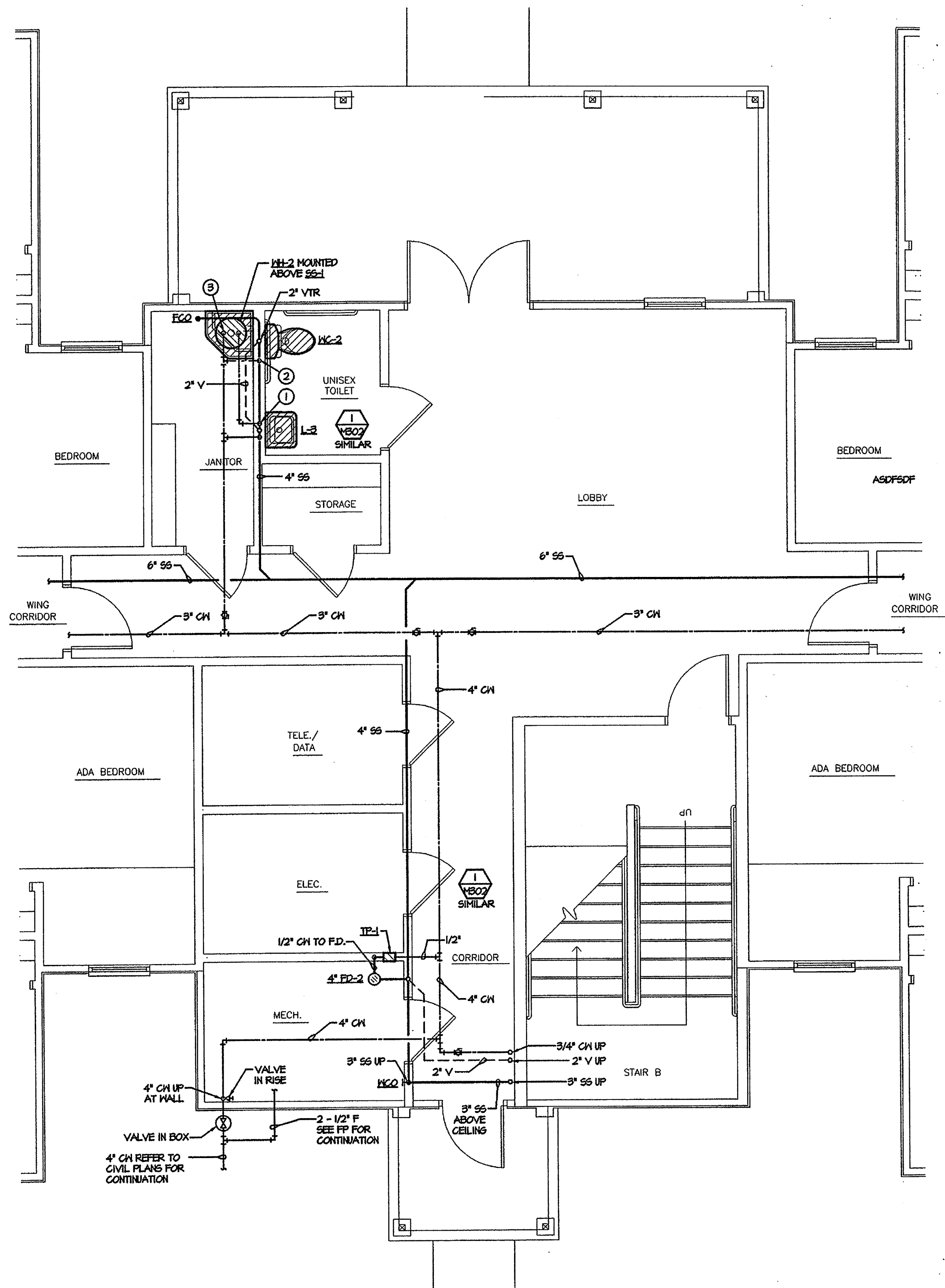
1 BUILDINGS ONE, TWO, FOUR, AND FIVE
FIRST FLOOR LOBBY PLUMBING PLANS
SCALE 1/4" = 1'-0"

PLUMBING KEYED NOTES:
 ① 1/2" CH AND H1 DOWN TO PLUMBING FIXTURES.
 ② 1/2" CH DOWN TO PLUMBING FIXTURE.
 ③ 3/4" CH AND H1 DOWN TO WH-2.



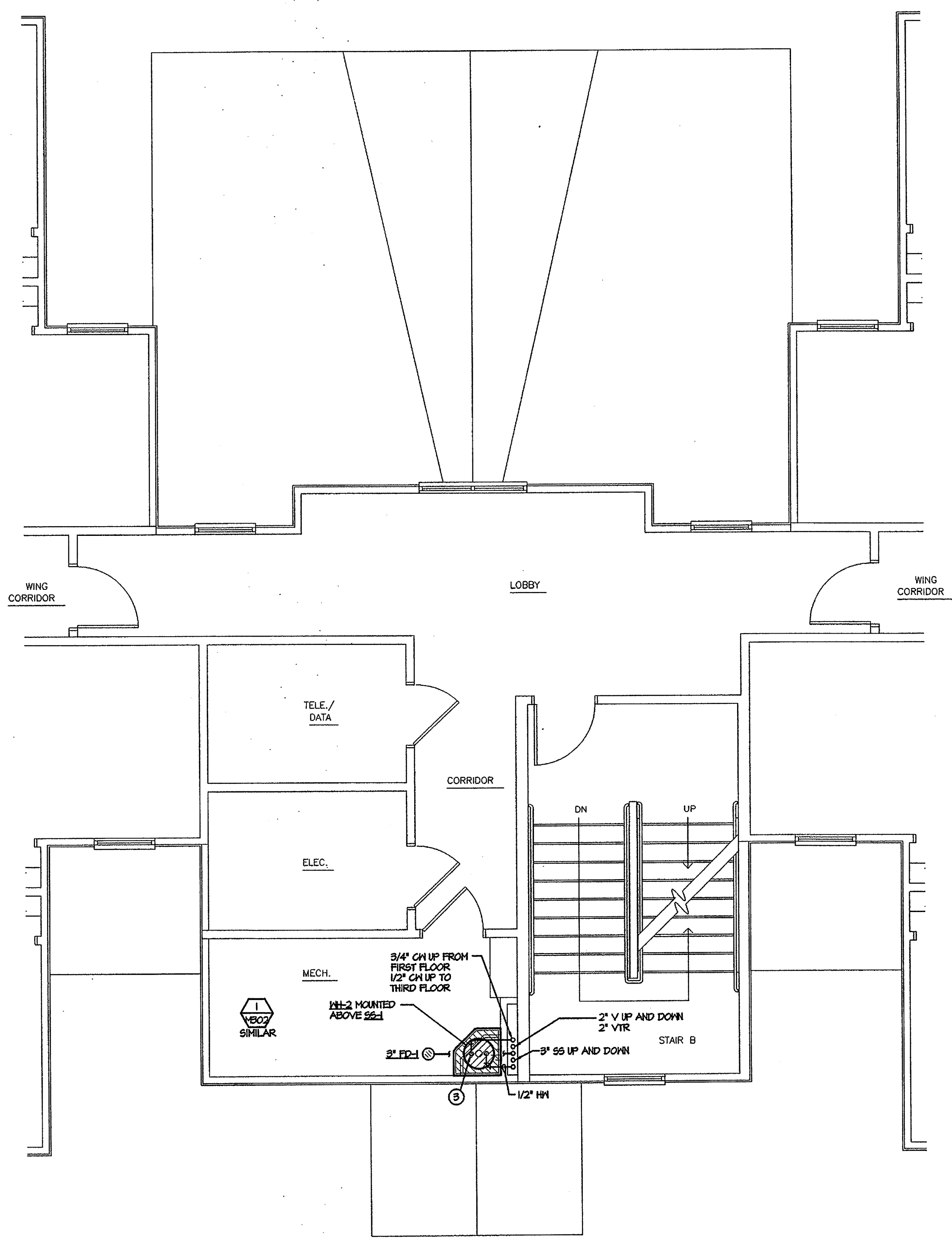
2 BUILDINGS ONE, TWO, FOUR, AND FIVE
SECOND AND THIRD FLOOR PLUMBING PLANS
SCALE 1/4" = 1'-0"



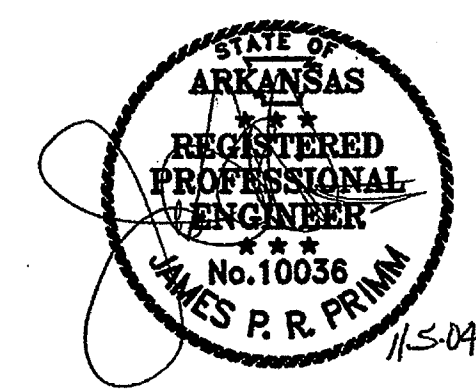


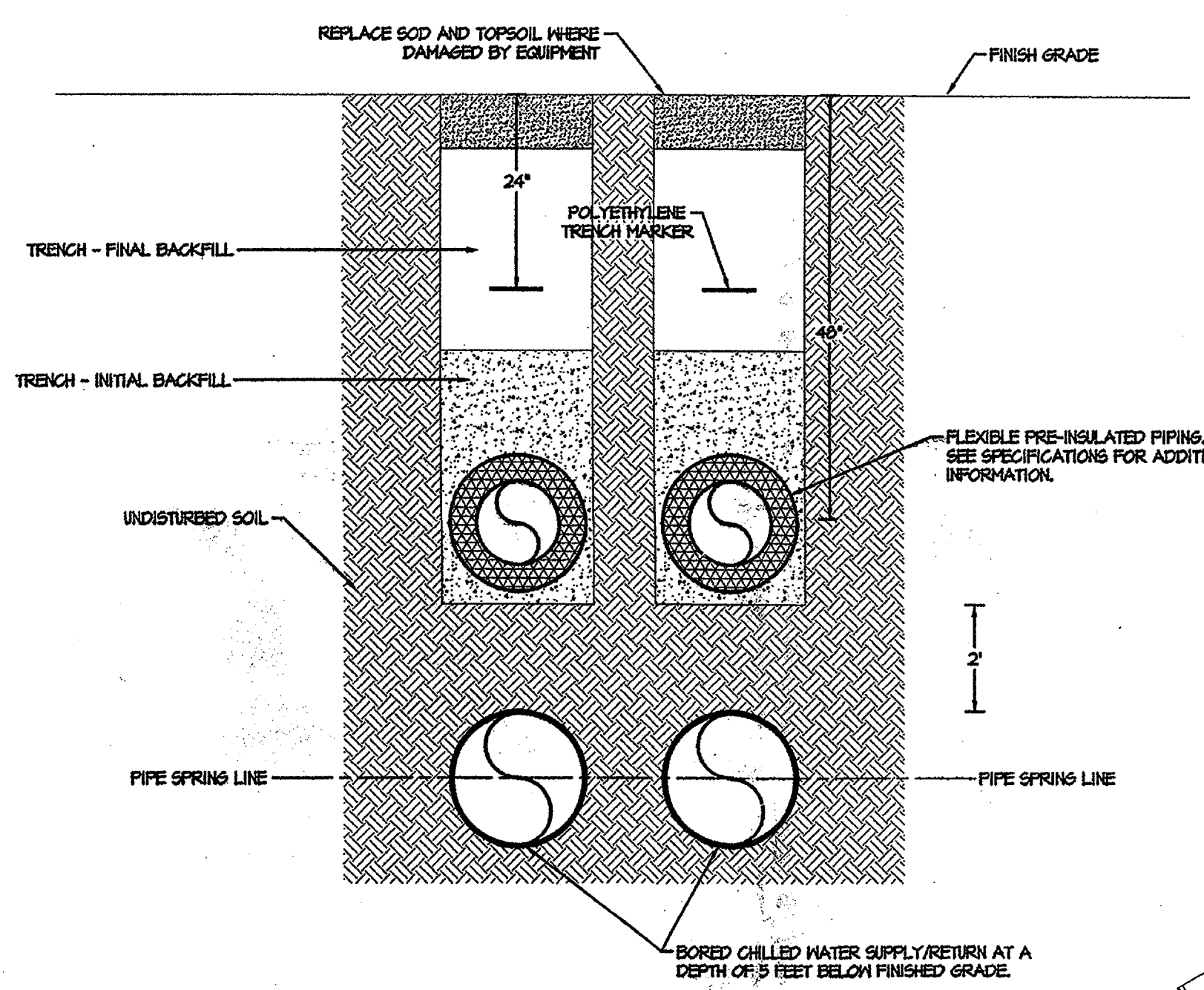
1 **BUILDING THREE
FIRST FLOOR LOBBY PLUMBING PLAN**
SCALE 1/4" = 1'-0"

- PLUMBING KEYED NOTES:**
- ① 1/2" CH AND HW DOWN TO PLUMBING FIXTURES.
 - ② 1/2" CH DOWN TO PLUMBING FIXTURE.
 - ③ 3/4" CH AND HW DOWN TO HH-2.

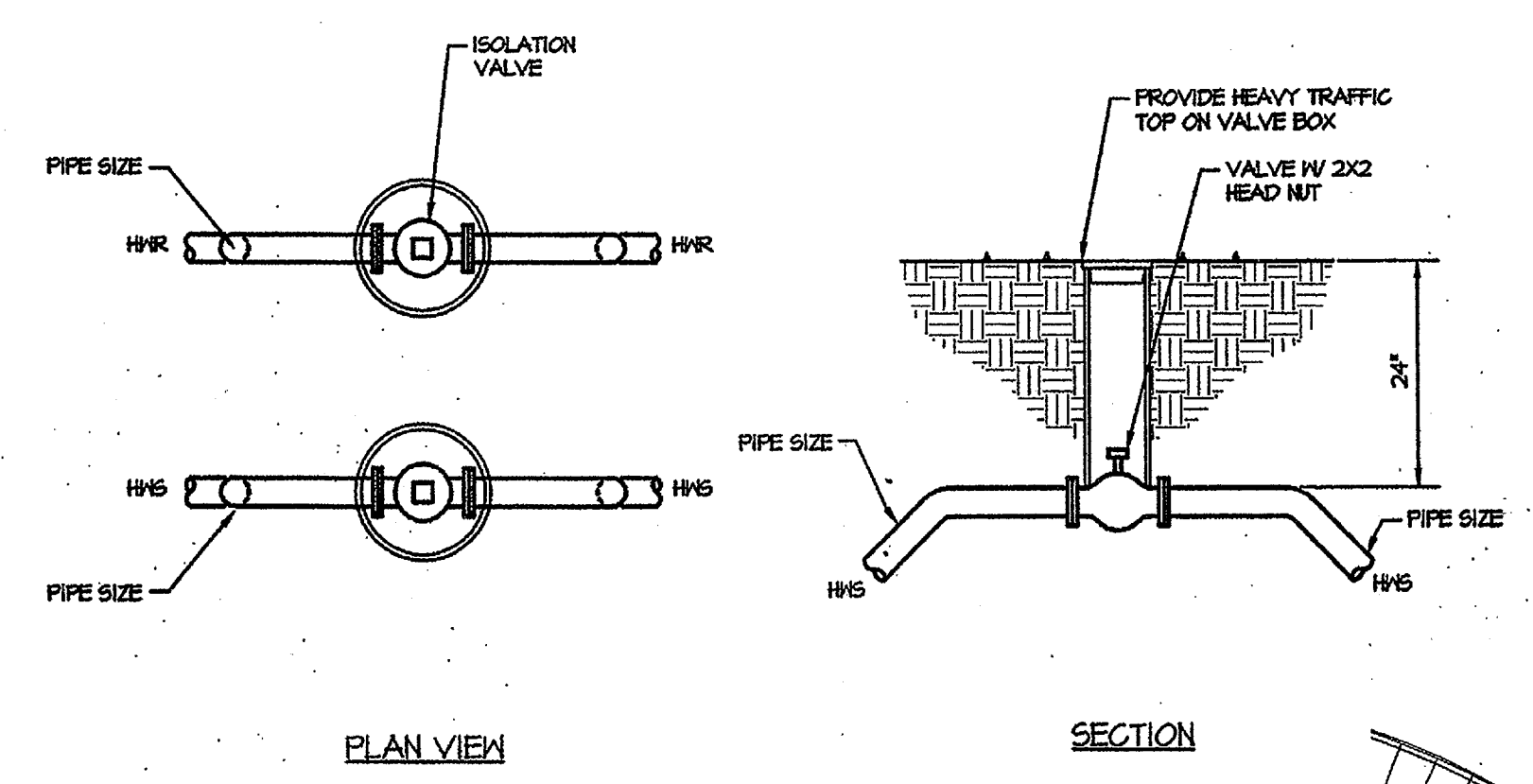


2 **BUILDING THREE
SECOND AND THIRD FLOOR LOBBY PLUMBING PLAN**
SCALE 1/4" = 1'-0"





2 PIPE TRENCH DETAIL
NOT TO SCALE



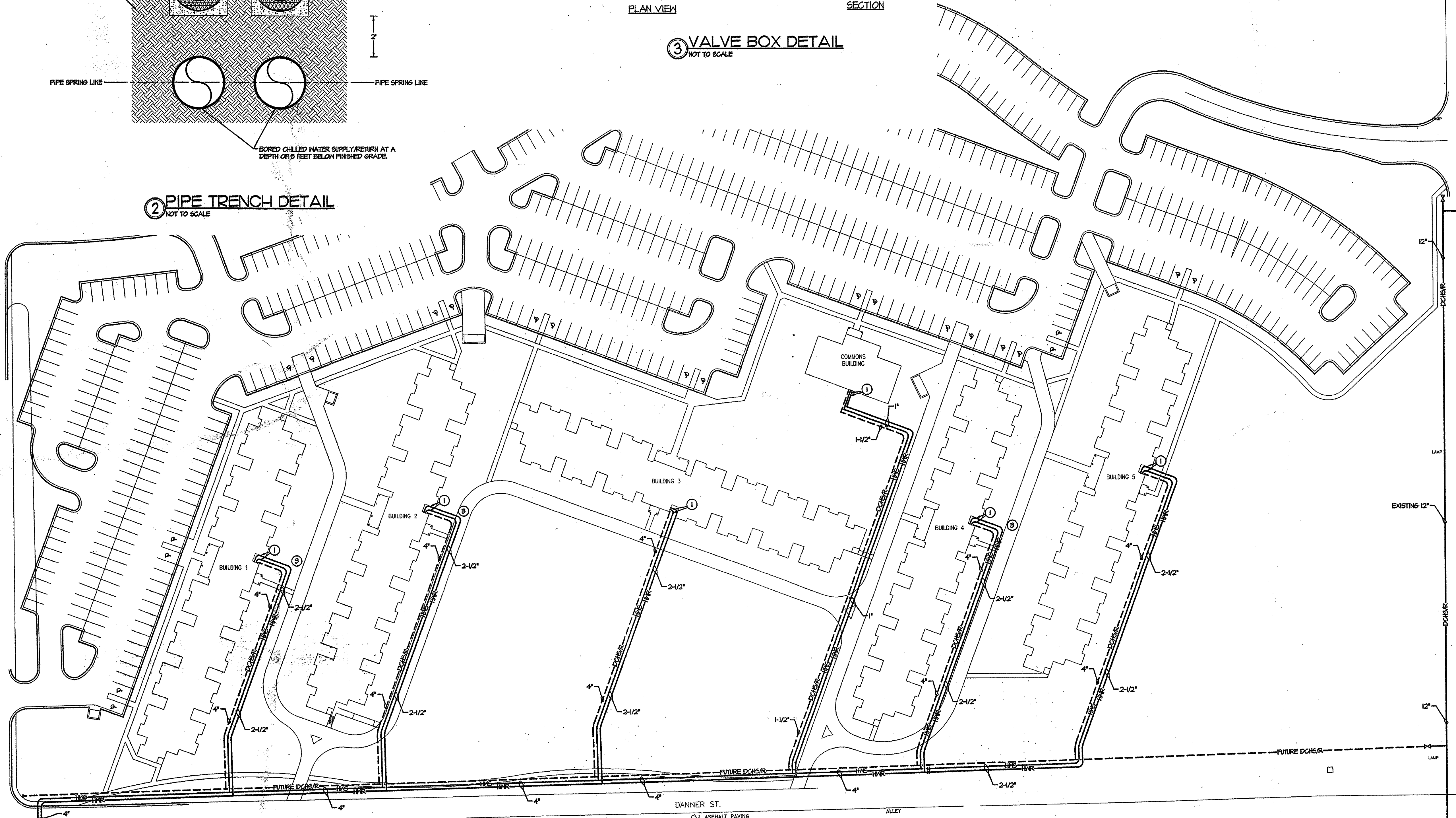
3 VALVE BOX DETAIL
NOT TO SCALE

GENERAL NOTES:

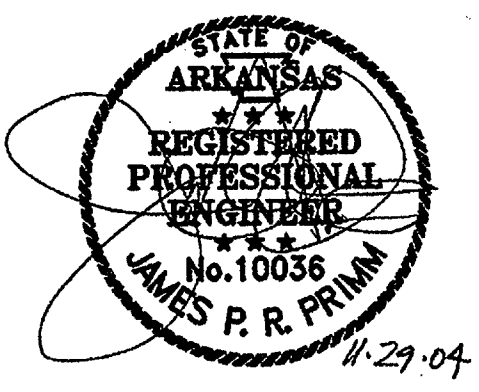
1. THE CHILLED WATER SERVICE IS SHOWN ONLY FOR INFORMATION. THE CHILLED WATER SERVICE WILL NOT BE PART OF THE RESIDENCE HALL PROJECT. THE HEATING WATER SERVICE WILL BE PART OF THIS PROJECT AND SHALL TERMINATE WITHIN 5 FEET OF THE CHICKASAW BUILDING. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. HEATING WATER PIPING SHALL MAINTAIN A MINIMUM OF A 2' RADII SEPARATION FROM THE CHILLED WATER PIPING.

KEYED NOTES:

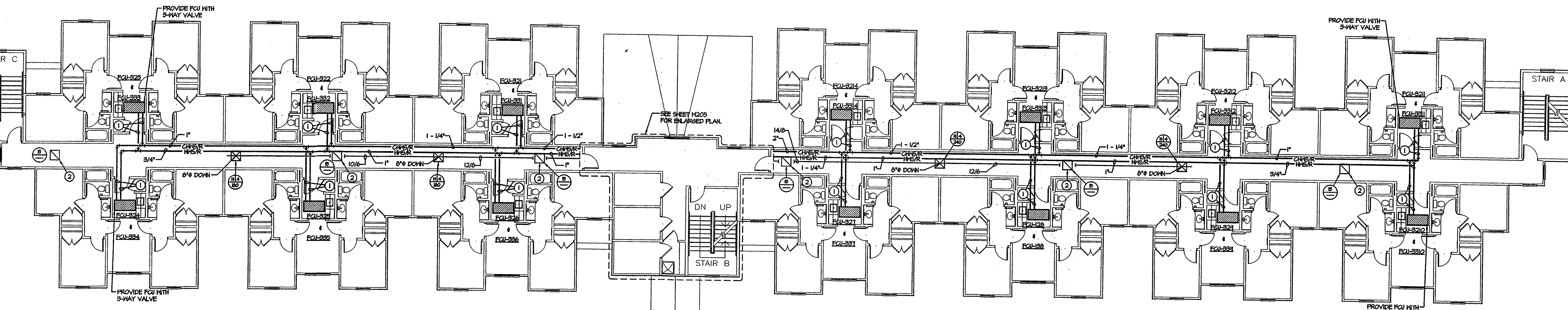
1. LOCATION OF BUILDING ISOLATION VALVE AND VALVE BOX. SEE DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. HEATING WATER PIPING TO CONTINUE TO WITHIN 5' OF THE CHICKASAW BUILDING. THE TOTAL DISTANCE BETWEEN DANNER STREET AND THE NORTH SIDE OF CHICKASAW IS 230 FEET.
3. LOCATION OF NEW TRANSFORMER. COORDINATE WITH ELECTRICAL FOR EXACT PIPING LOCATION.



1 SITE PLAN - HVAC PIPING
SCALE 1" = 50'-0"

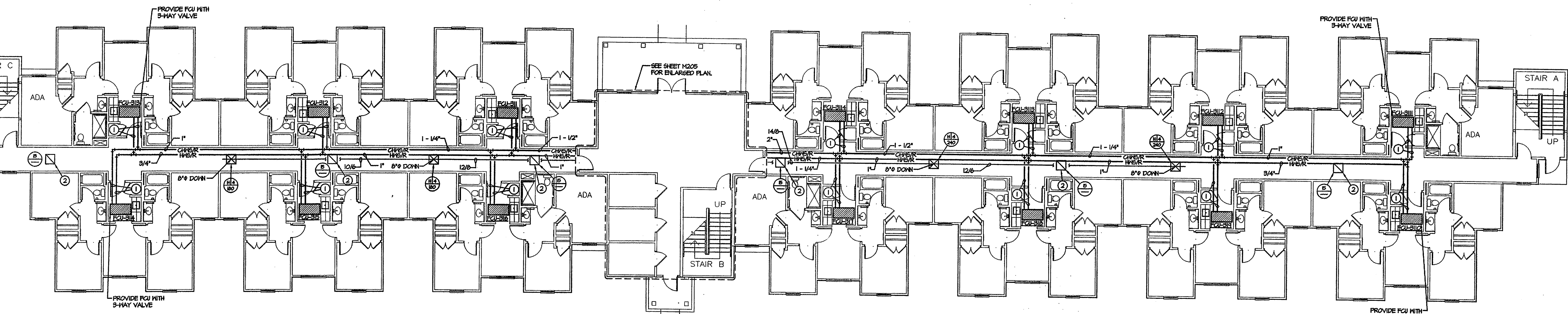


11-29-04



**2 BUILDING THREE
SECOND AND THIRD FLOORS - HVAC PIPING PLAN**
SCALE 1/16" = 1'-0"

- GENERAL HVAC NOTES:**
- SEE SHEET M204 FOR TYPICAL SUITE PLANS.
- KEYED HVAC NOTES:**
- 3/4" CHS/R AND 3/4" HWS/R TO FAN COIL UNIT.
 - RETURN AIR OPEN TO FLENUM.

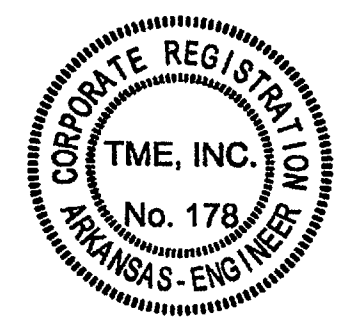
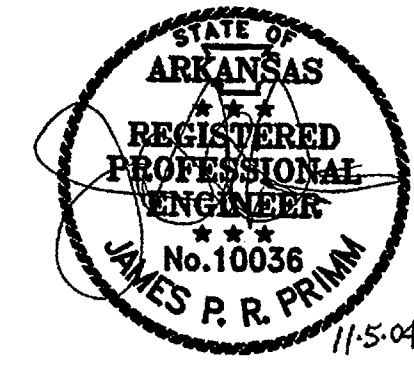


**1 BUILDING THREE
FIRST FLOOR - HVAC PIPING PLAN**
SCALE 1/16" = 1'-0"

**NEW RESIDENCE HALL
COMMUNITY**
ARKANSAS STATE UNIVERSITY



**BRACKETT
KRENNERICH**

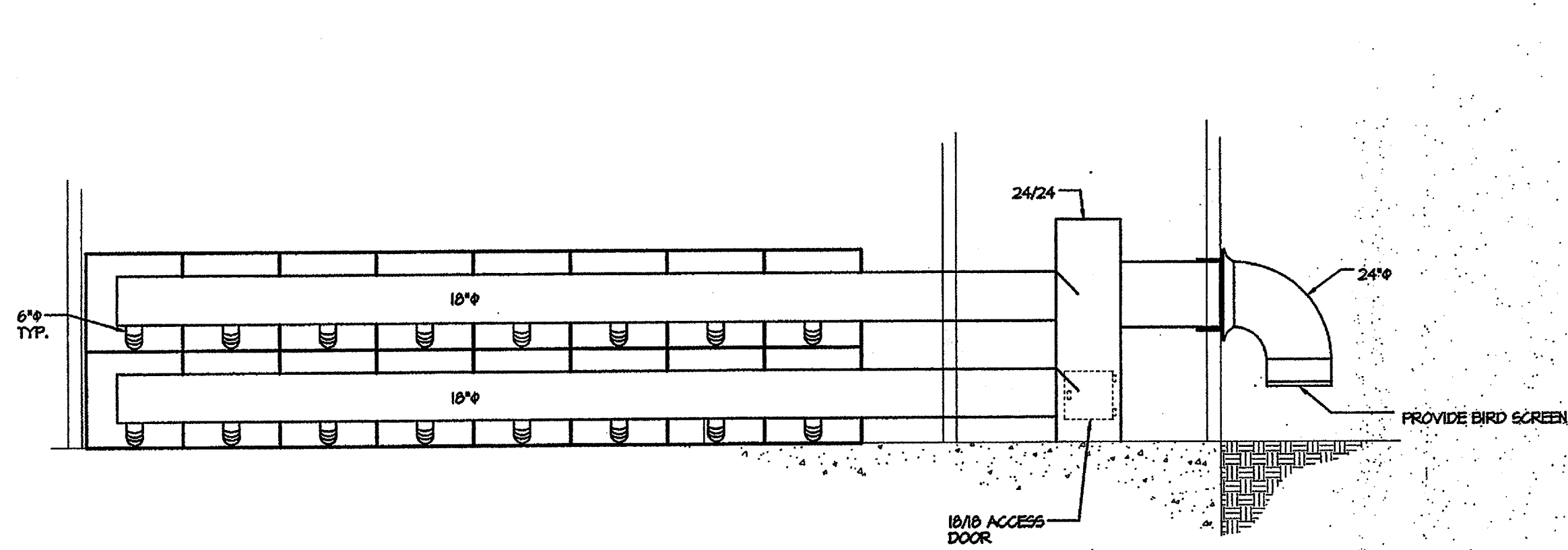


BUILDING THREE
HVAC PLAN

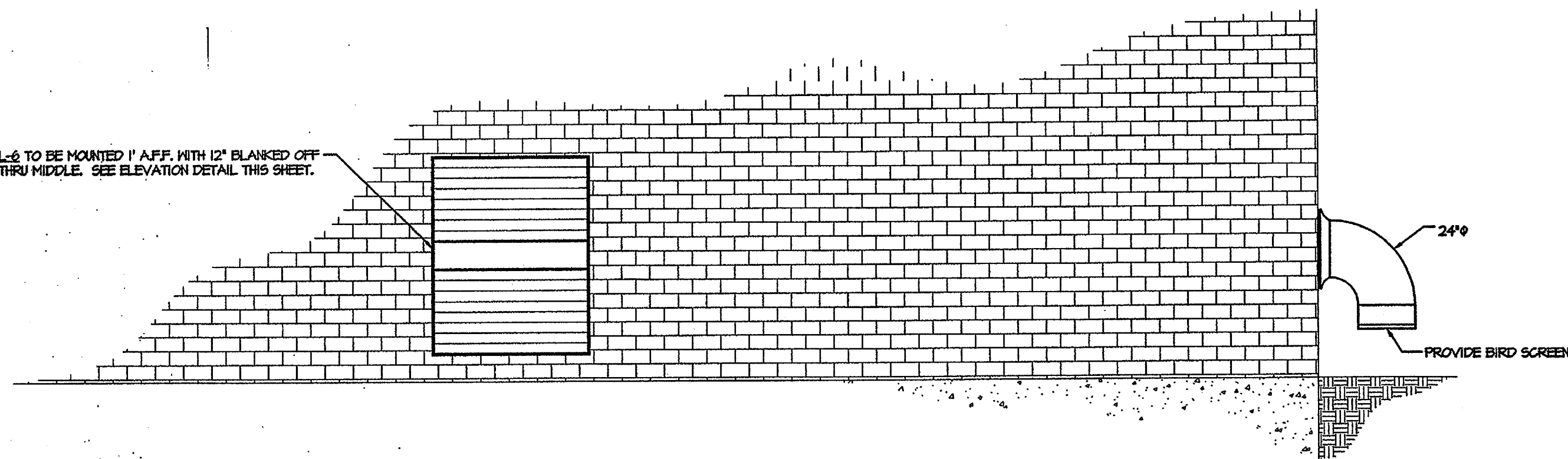
Commission Number
10404R

M20

Date: November 5,



L-6 TO BE MOUNTED 1" AFF. WITH 12" BLANKED OFF THRU MIDDLE. SEE ELEVATION DETAIL THIS SHEET.



2 ELEVATION AT LAUNDRY
SCALE: NOT TO SCALE

3 ELEVATION AT LAUNDRY
SCALE: NOT TO SCALE

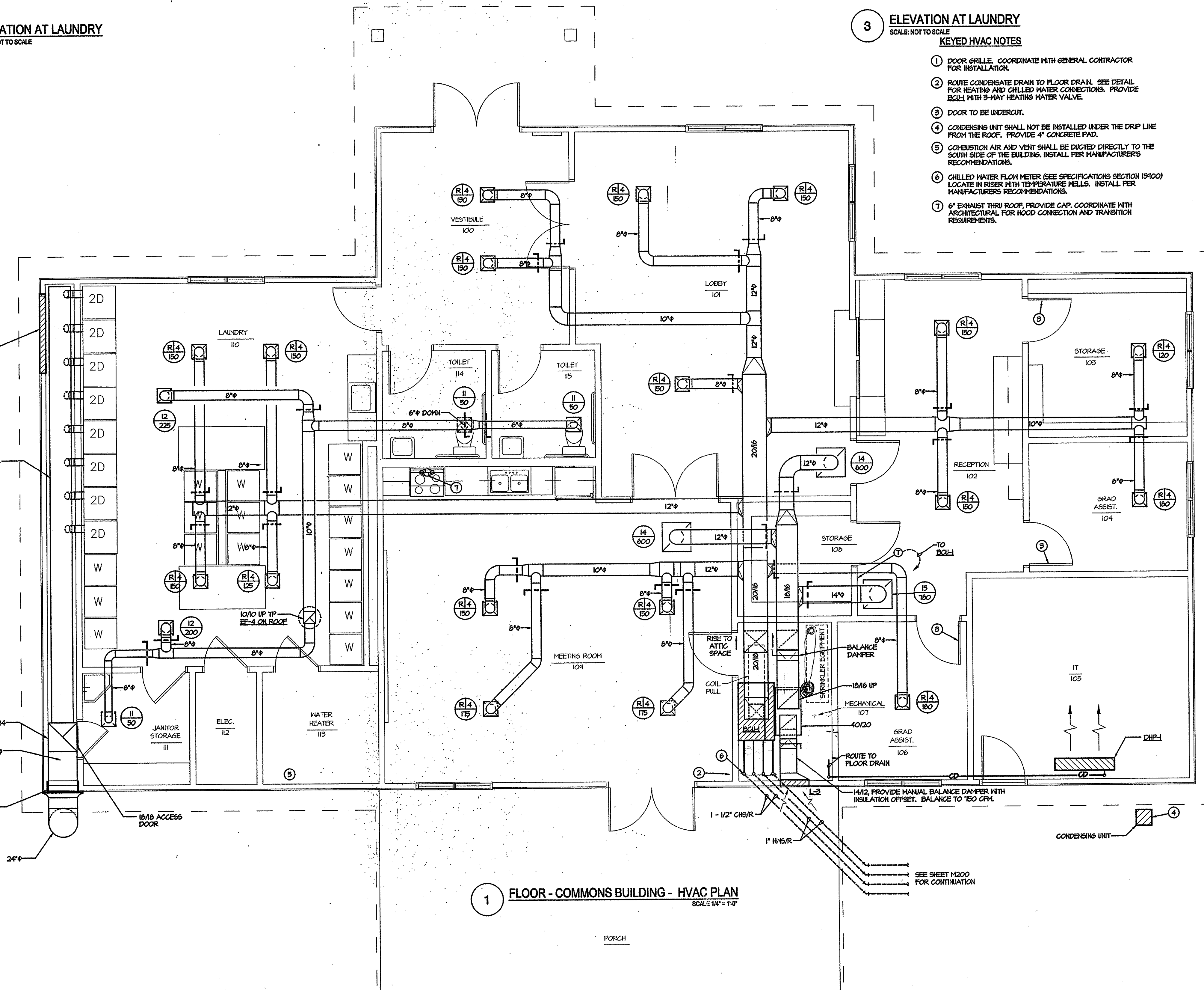
KEYED HVAC NOTES

- 1 DOOR GRILLE. COORDINATE WITH GENERAL CONTRACTOR FOR INSTALLATION.
- 2 ROUTE CONDENSATE DRAIN TO FLOOR DRAIN. SEE DETAIL FOR HEATING AND CHILLED WATER CONNECTIONS. PROVIDE BGLI WITH 3-WAY HEATING WATER VALVE.
- 3 DOOR TO BE UNDERCUT.
- 4 CONDENSING UNIT SHALL NOT BE INSTALLED UNDER THE DRIP LINE FROM THE ROOF. PROVIDE 4" CONCRETE PAD.
- 5 COMBUSTION AIR AND VENT SHALL BE DUCTED DIRECTLY TO THE SOUTH SIDE OF THE BUILDING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 6 CHILLED WATER FLOW METER (SEE SPECIFICATIONS SECTION 19400) LOCATE IN RISER WITH TEMPERATURE WELLS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 7 6" EXHAUST THRU ROOF. PROVIDE CAP. COORDINATE WITH ARCHITECTURAL FOR HOOD CONNECTION AND TRANSITION REQUIREMENTS.

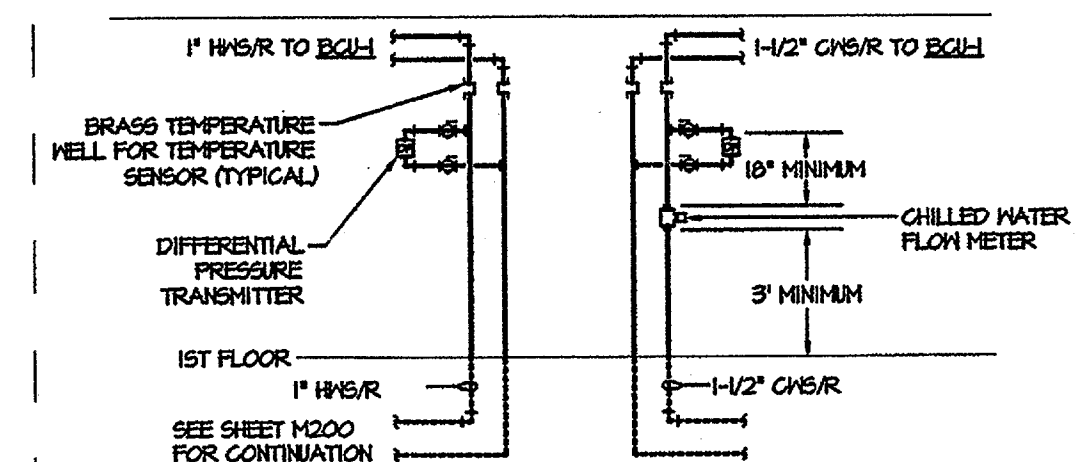
L-6 TO BE MOUNTED 1" AFF. WITH 12" BLANKED OFF THRU MIDDLE. SEE ELEVATION DETAIL THIS SHEET.

10" ABOVE
18" BELOW

SLEEVE AND SEAL
WALL PENETRATION

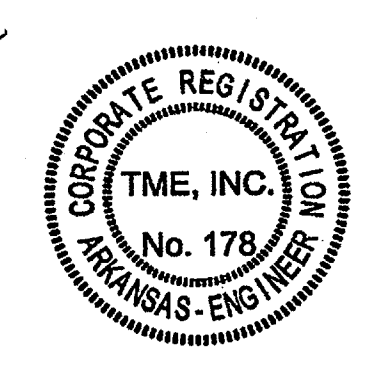


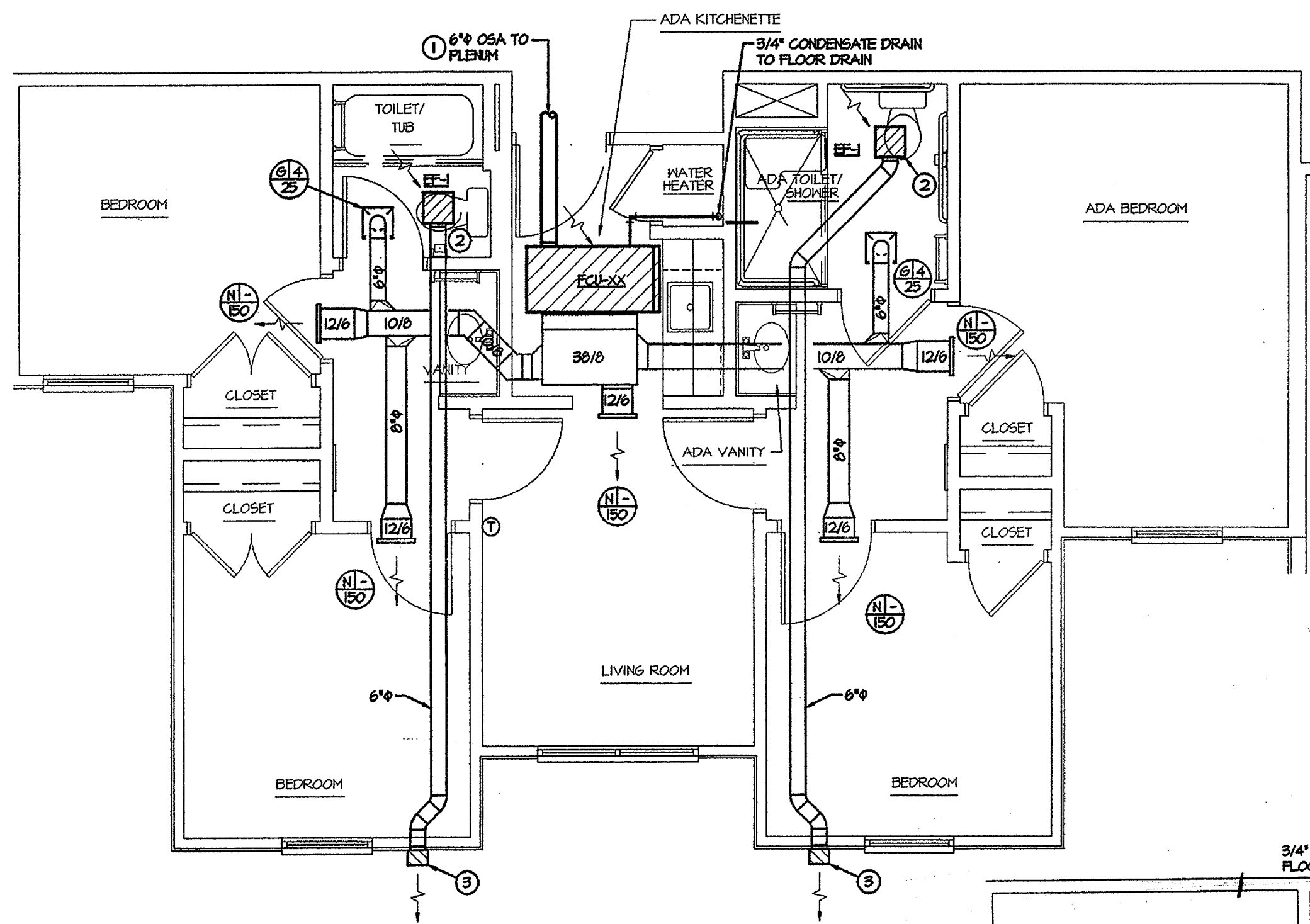
1 FLOOR - COMMONS BUILDING - HVAC PLAN
SCALE: 1/4" = 1'-0"



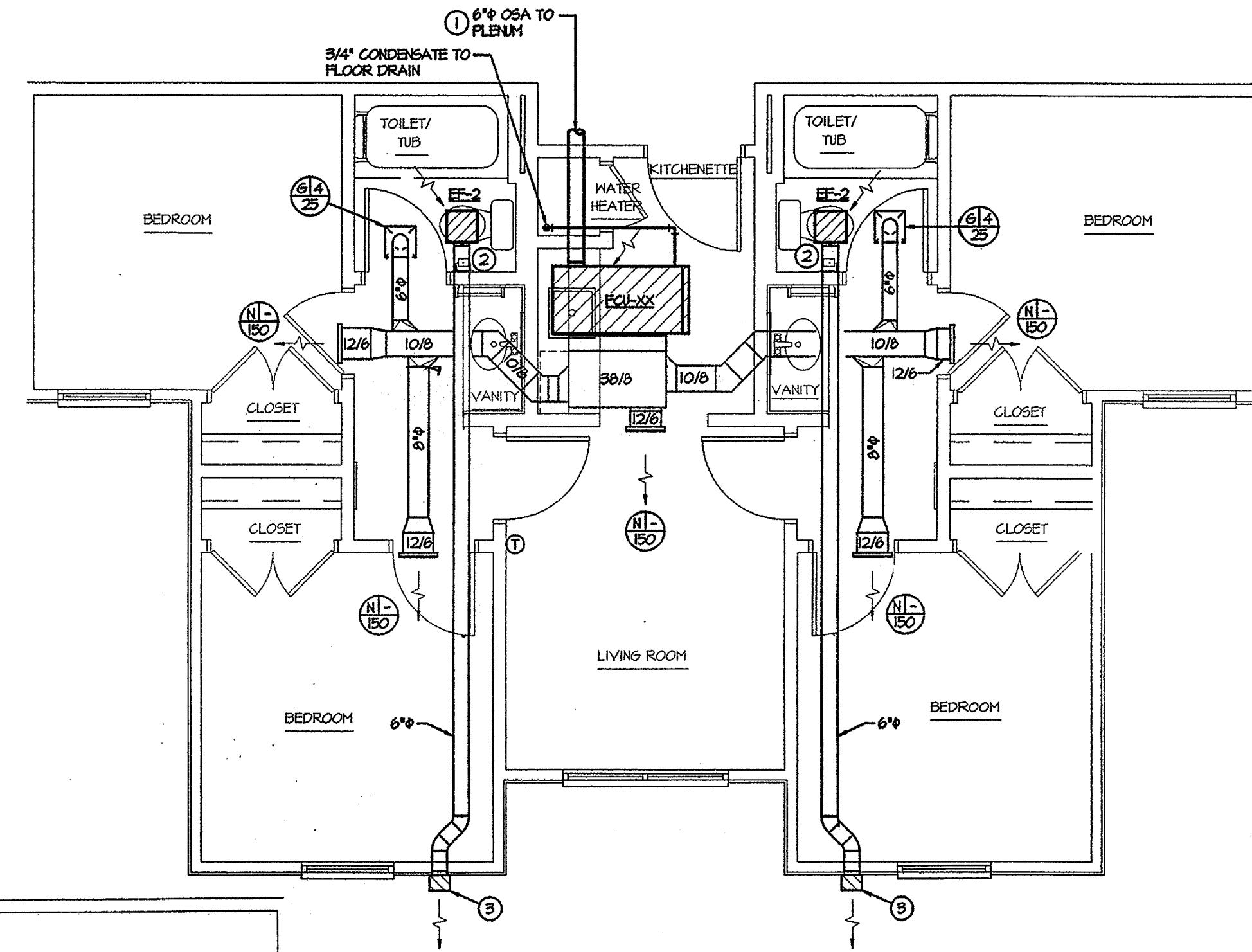
NOTE:
CHILLED WATER FLOW METER, BRASS TEMPERATURE WELLS WITH SENSORS, AND DIFFERENTIAL PRESSURE TRANSMITTERS SHALL BE PROVIDED AND INSTALLED FOR FUTURE CONNECTION. AN EMS SYSTEM IS NOT PART OF THIS PROJECT.

MAY 24, 2005





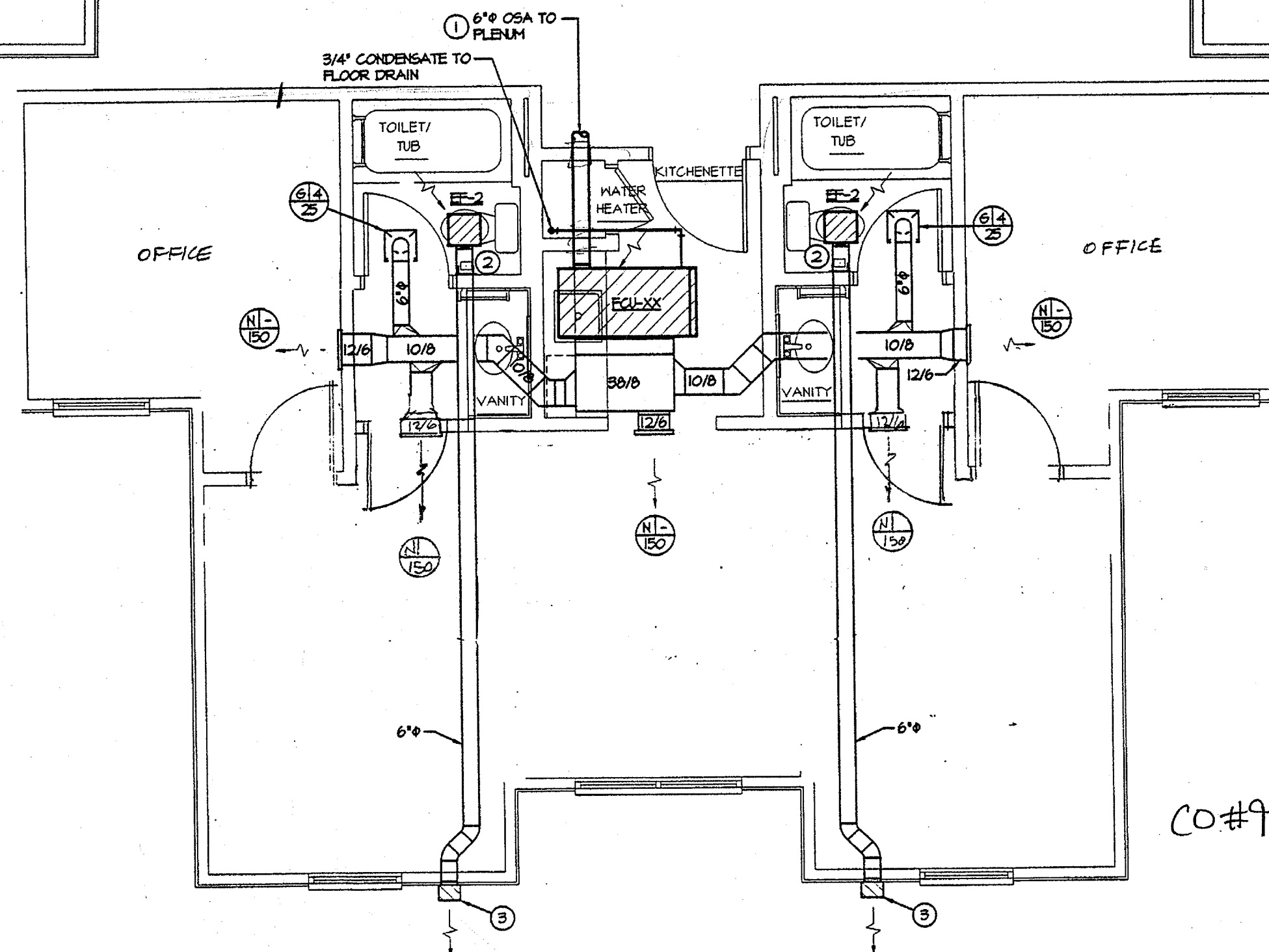
1 QUAD ADA SUITE HVAC PLAN
SCALE 1/4" = 1'-0"



2 QUAD SUITE HVAC PLAN
SCALE 1/4" = 1'-0"

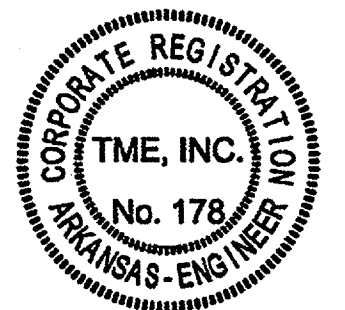
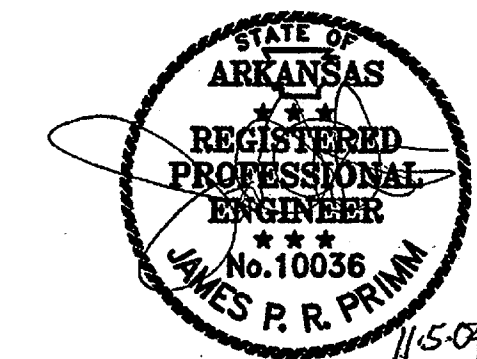
KEYED NOTES:

- ① SLEEVE AND SEAL WALL PENETRATION AIR TIGHT.
- ② EXHAUST FAN EF-2 TO BE SWITCHED INDEPENDENTLY OF LIGHT AND HEATER. PROVIDE BROAN MODEL 654, THREE-FUNCTION CONTROL SWITCH
- ③ BRICK VENT



2 HONORS HVAC PLAN
SCALE 1/4" = 1'-0"

REVISED
1-NOV-05

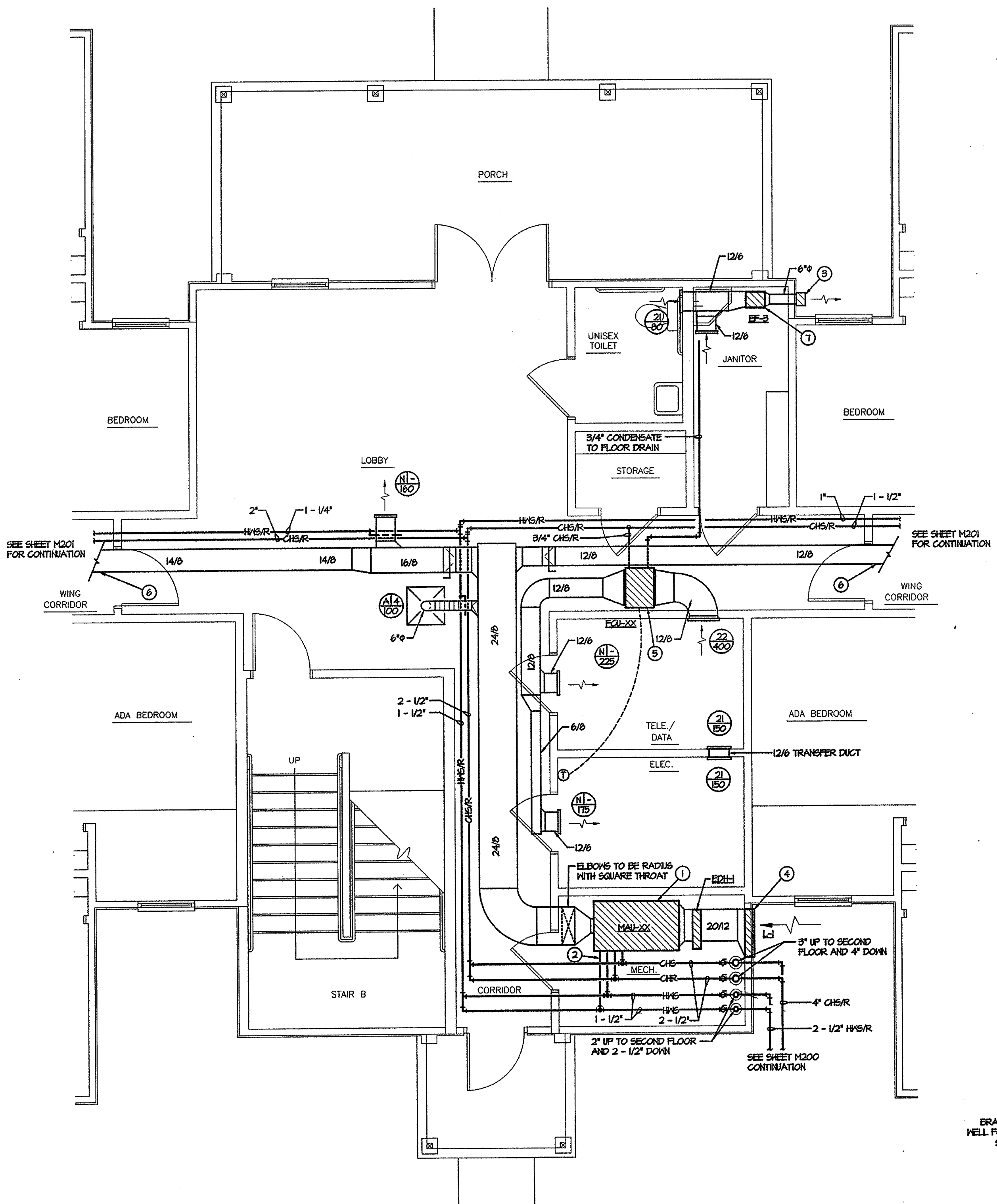


QUAD & ADA
SUITE HVAC

Commission 1
10404

M20

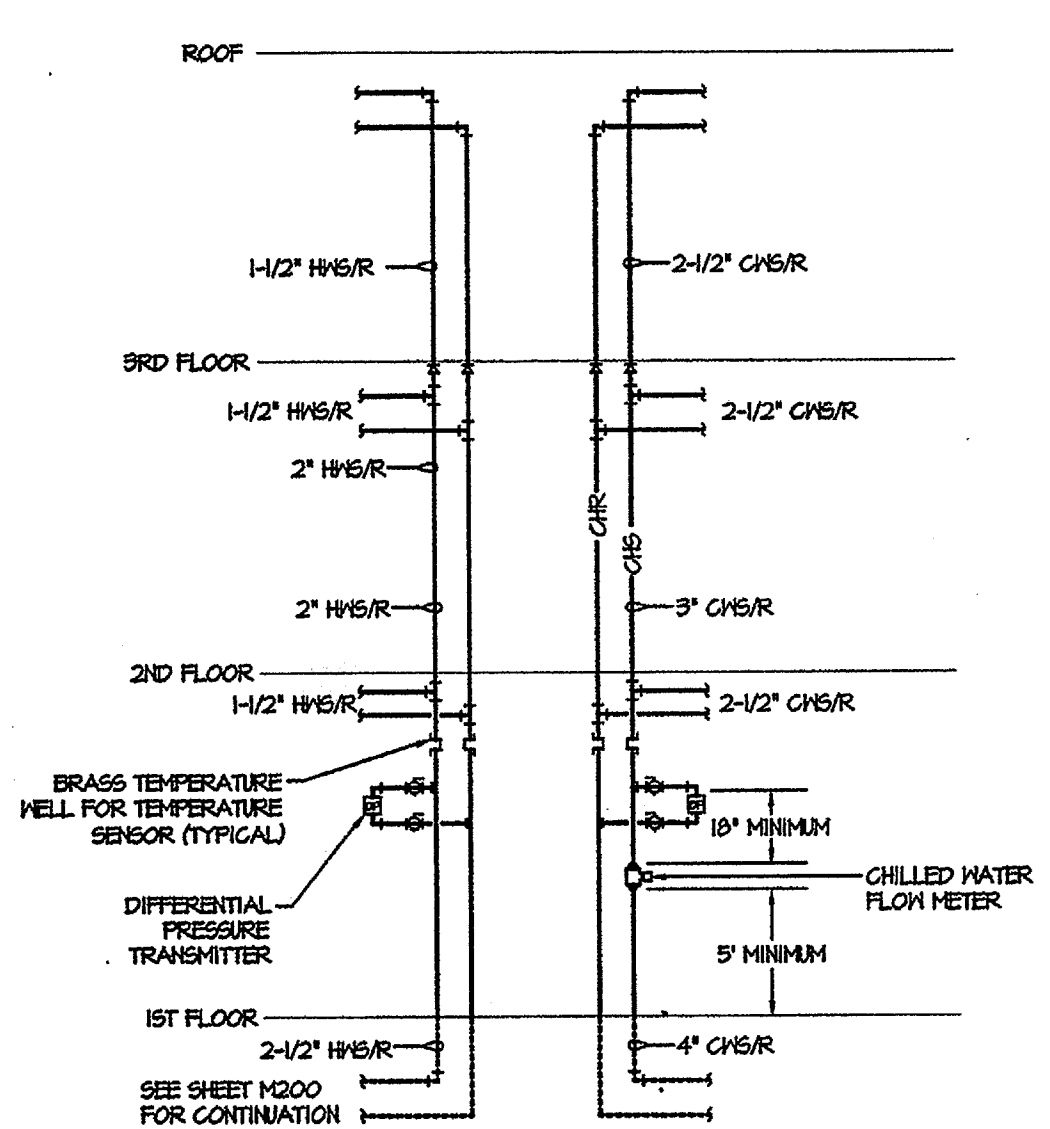
Date: November



**1 BUILDINGS ONE, TWO, FOUR, AND FIVE
FIRST FLOOR LOBBY HVAC PLANS**
SCALE 1/4" = 1'-0"

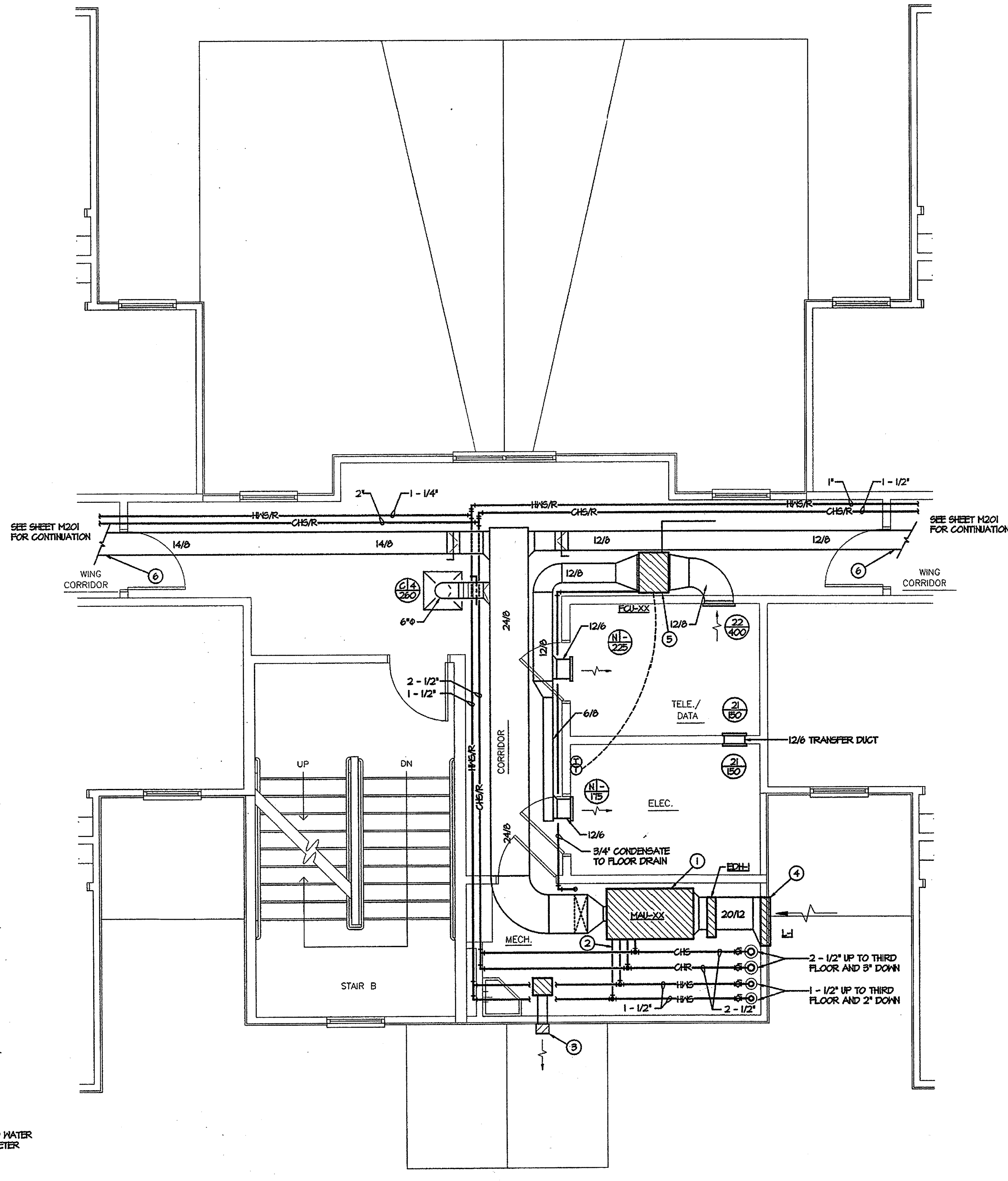
KEYED NOTES:

- 1 MAKE UP AIR HANDLING UNIT TO BE SUSPENDED UTILIZING SPRING ISOLATORS 48" ABOVE FINISHED FLOOR. CONDENSATE DRAIN TO BE ROUTED TO THE FLOOR DRAIN. FEP TO BE MOUNTED TO THE UNIT.
- 2 1-1/4" CHS/R AND 3/4" HWS/R DOWN TO MAKE-UP AIR UNIT. 3/4" CONDENSATE DRAIN TO FLOOR DRAIN.
- 3 BRICK VENT.
- 4 BOTTOM OF LOUVER TO BE 48" A.F.F.
- 5 COORDINATE LOCATION OF FAN COIL UNIT WITH ELECTRICAL WIRING CABLE TRAY. SEE DIVISION 16 FOR TRAY LOCATIONS.
- 6 KEEP MAIN SUPPLY DUCT AS CLOSE AS POSSIBLE TO WALL IN ORDER TO PROVIDE REQUIRED CLEARANCE FOR TYPE OF CORRIDOR LIGHT FIXTURES. COORDINATE WITH DIVISION 16.
- 7 EXHAUST FAN, EE-2 AND EE-3, TO RUN CONTINUOUSLY.

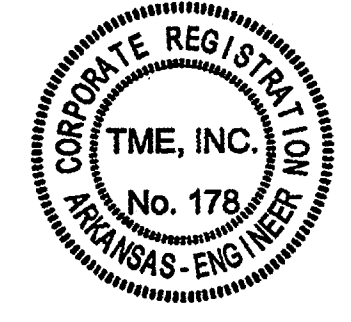
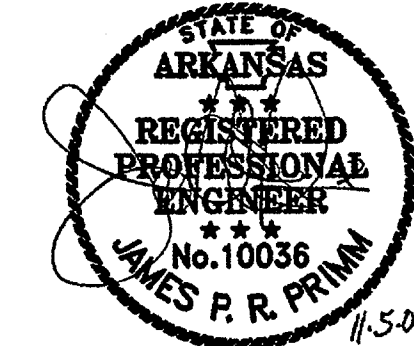


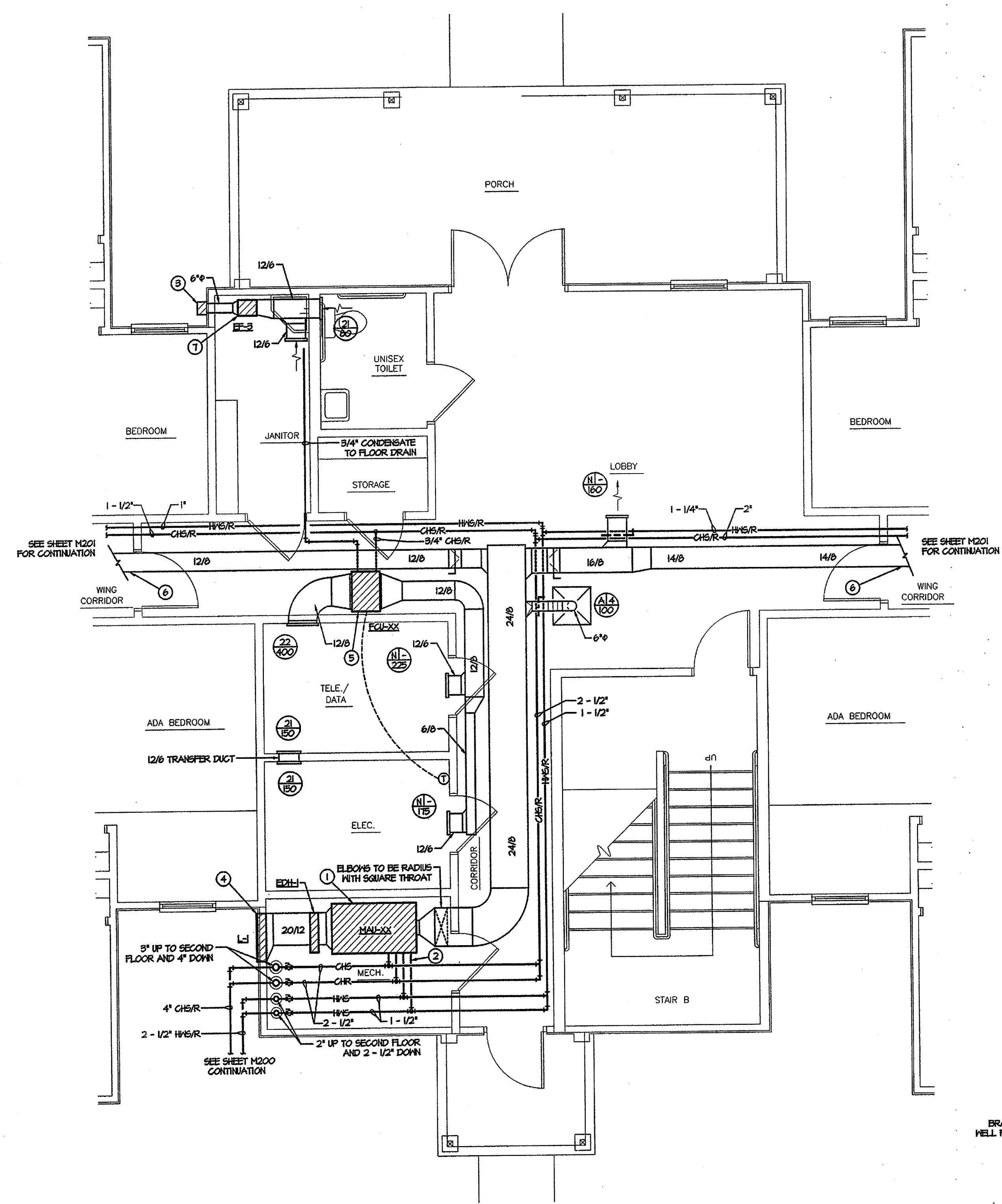
3 HVAC PIPING RISER DIAGRAM
SCALE NTD

NOTE: CHILLED WATER FLOW METER, BRASS TEMPERATURE WELLS WITH SENSORS, AND DIFFERENTIAL PRESSURE TRANSMITTERS SHALL BE PROVIDED AND INSTALLED FOR FUTURE CONNECTION AN EMS SYSTEM IS NOT PART OF THIS PROJECT.



**2 BUILDINGS ONE, TWO, FOUR, AND FIVE
SECOND AND THIRD FLOOR HVAC PLANS**
SCALE 1/4" = 1'-0"

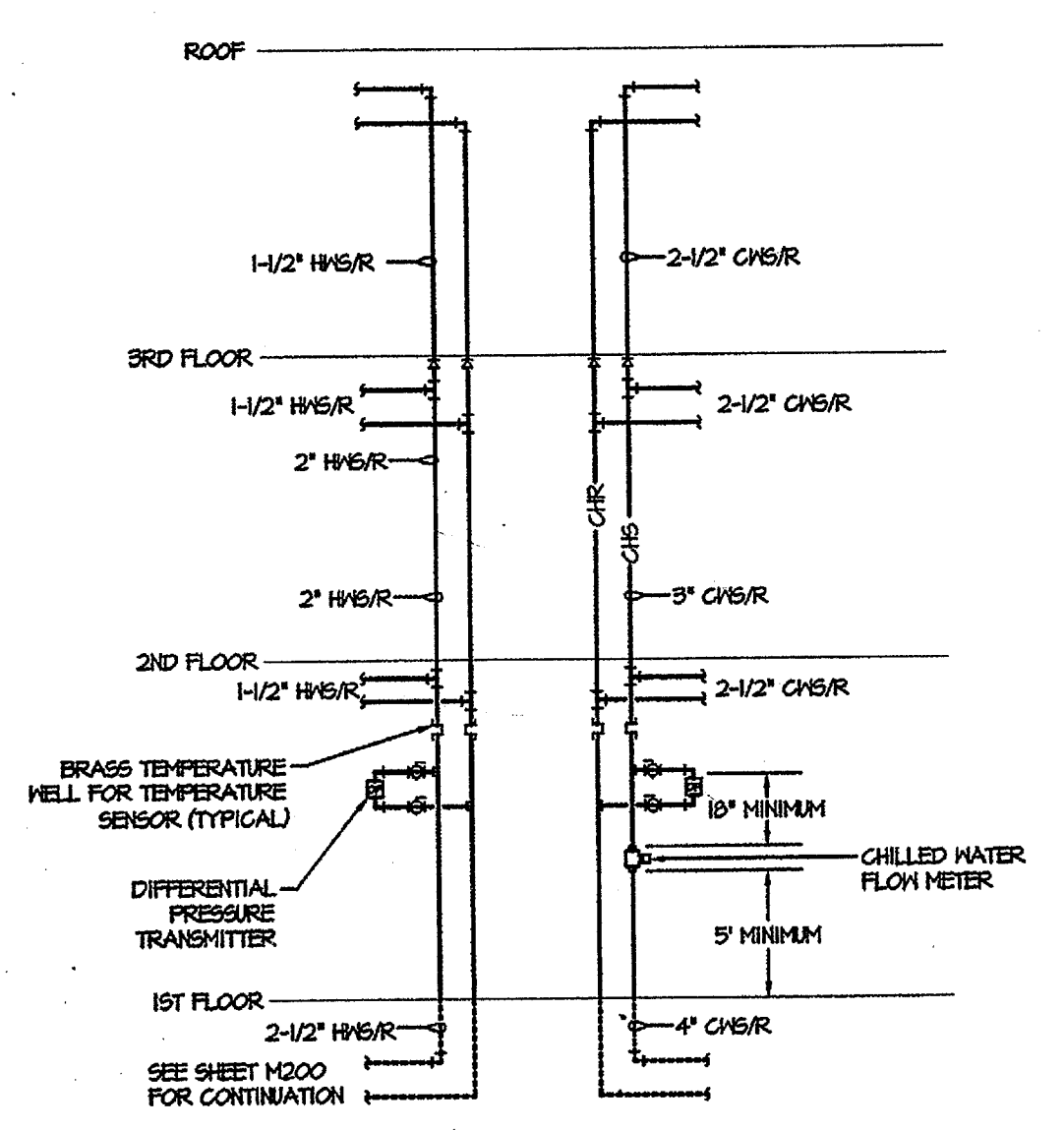




**1 BUILDING THREE
FIRST FLOOR LOBBY PLUMBING PLAN
SCALE 1/4" = 1'-0"**

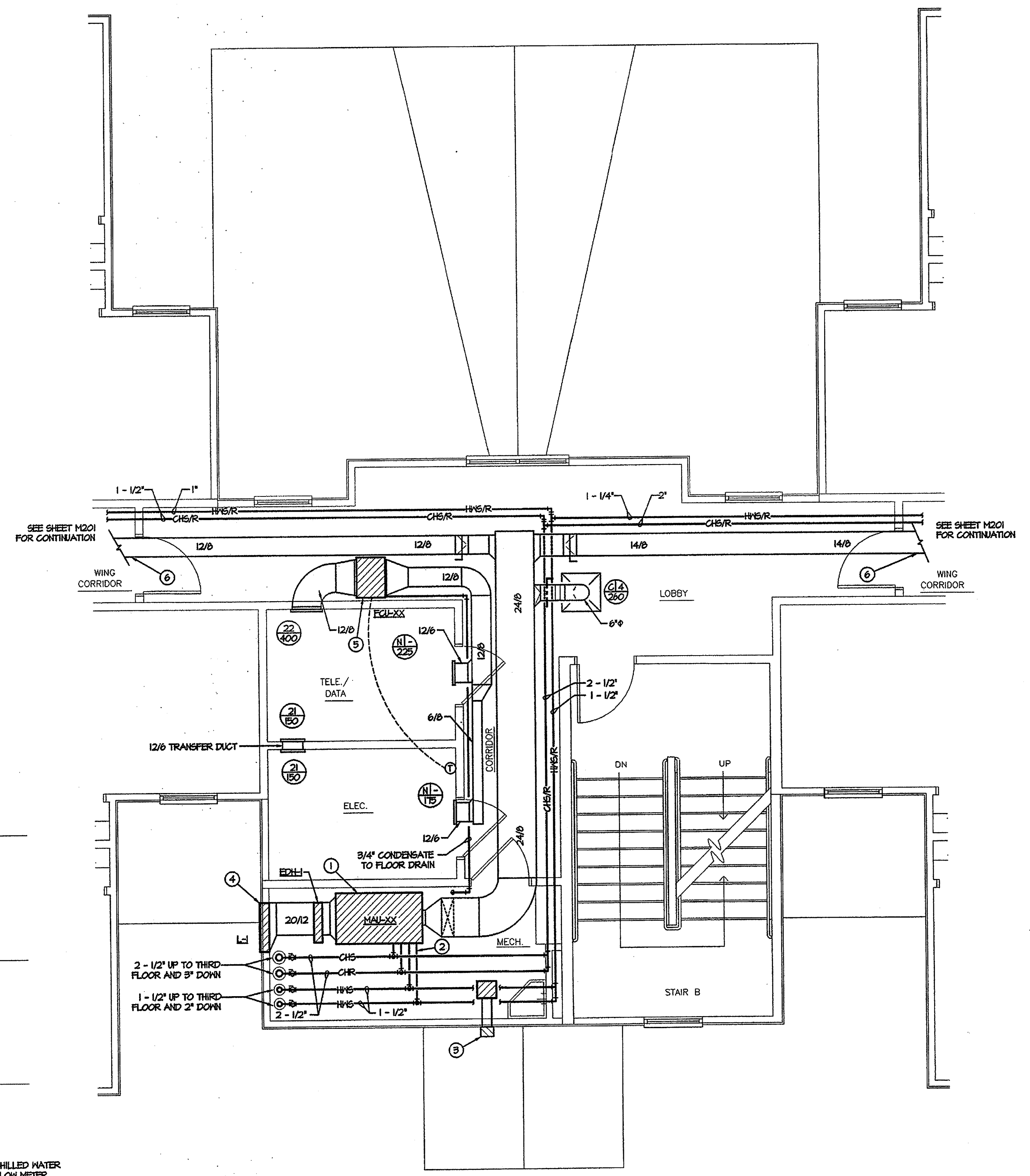
KEYED NOTES:

- 1 MAKE UP AIR HANDLING UNIT TO BE SUSPENDED UTILIZING SPRING ISOLATORS 48" ABOVE FINISHED FLOOR. CONDENSATE DRAIN TO BE ROUTED TO THE FLOOR DRAIN. RFP TO BE MOUNTED TO THE UNIT.
- 2 1-1/4" CHS/R AND 3/4" HWS/R DOWN TO MAKE-UP AIR UNIT. 3/4" CONDENSATE DRAIN TO FLOOR DRAIN.
- 3 BRICK VENT.
- 4 BOTTOM OF LOUVER TO BE 48" A.F.F.
- 5 COORDINATE LOCATION OF FAN COIL UNIT WITH ELECTRICAL HIRING CABLE TRAY. SEE DIVISION 16 FOR TRAY LOCATIONS.
- 6 KEEP MAIN SUPPLY DUCT AS CLOSE AS POSSIBLE TO WALL IN ORDER TO PROVIDE REQUIRED CLEARANCE FOR TYPE 'G' CORRIDOR LIGHT FIXTURES. COORDINATE WITH DIVISION 16.
- 7 EXHAUST FAN, EE-2 AND EE-3, TO RUN CONTINUOUSLY.

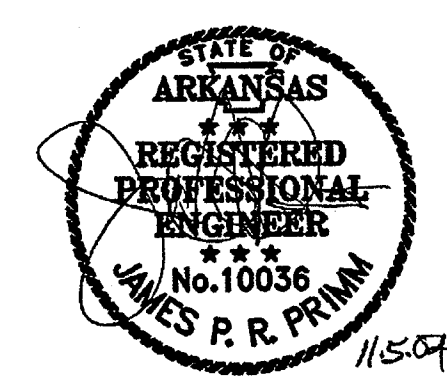


**3 HVAC PIPING RISER DIAGRAM
SCALE 1/8"**

NOTE:
CHILLED WATER FLOW METER, BRASS TEMPERATURE WELLS WITH SENSORS, AND DIFFERENTIAL PRESSURE TRANSMITTERS SHALL BE PROVIDED AND INSTALLED FOR FUTURE CONNECTION. AN EMS SYSTEM IS NOT PART OF THIS PROJECT.



**2 BUILDING THREE
SECOND AND THIRD FLOOR LOBBY PLUMBING PLAN
SCALE 1/4" = 1'-0"**

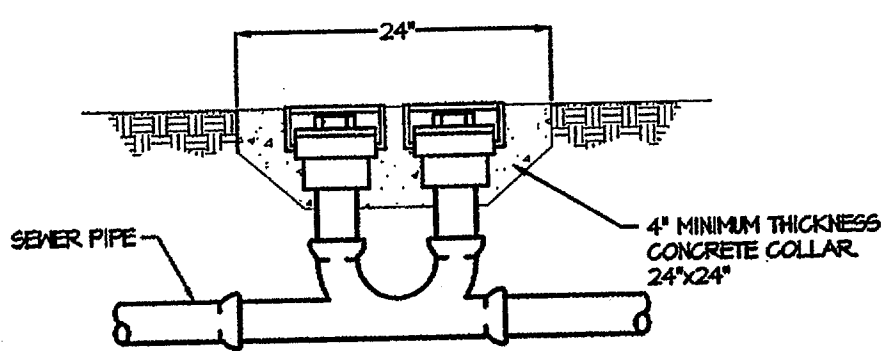


BUILDING TH
LOBBY HVAC P

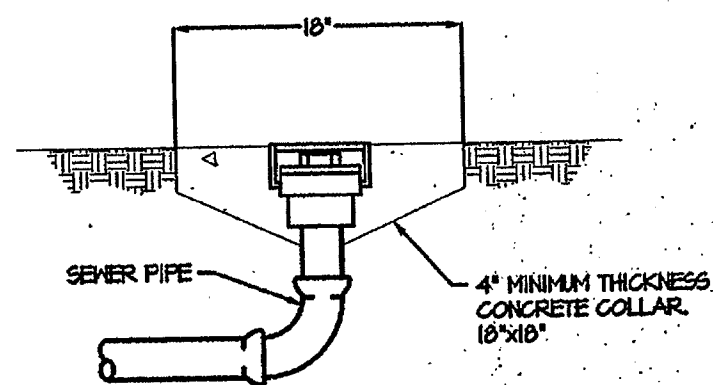
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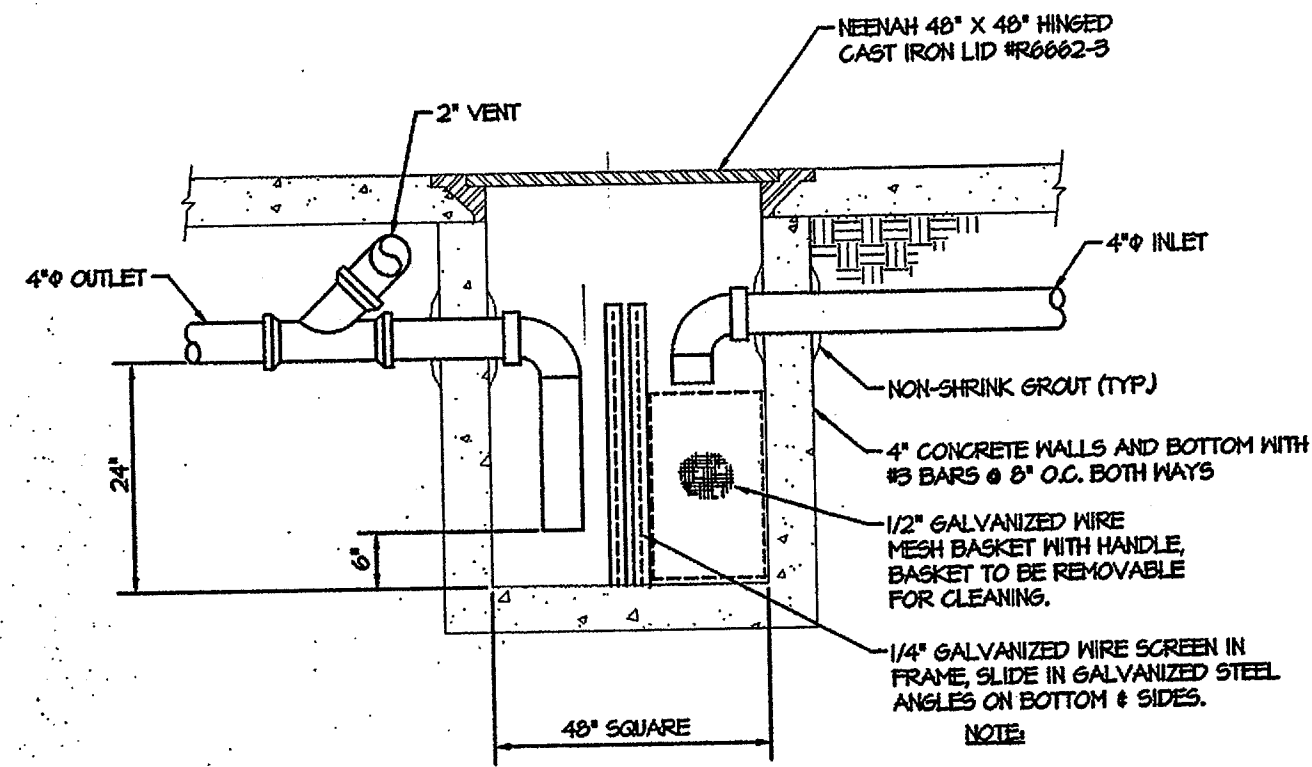
Date: November



1 DOUBLE CLEAN OUT TO GRADE DETAIL
SCALE: NONE

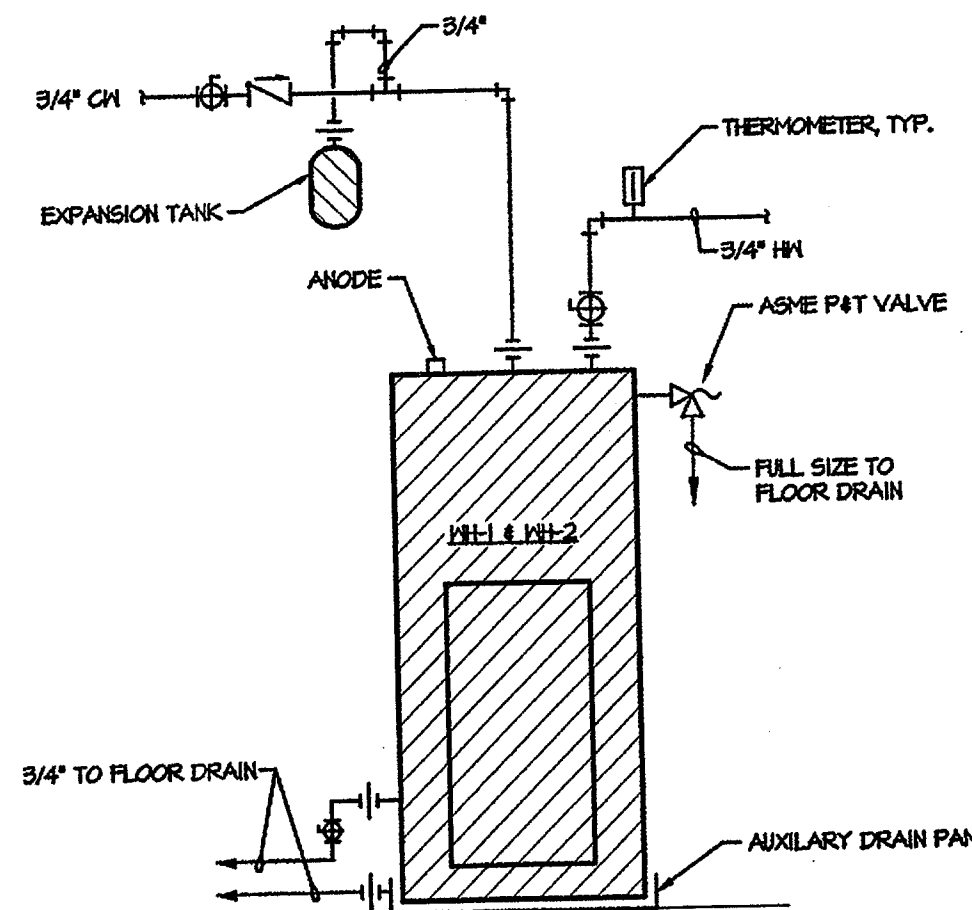


2 CLEAN OUT TO GRADE DETAIL
SCALE: NONE

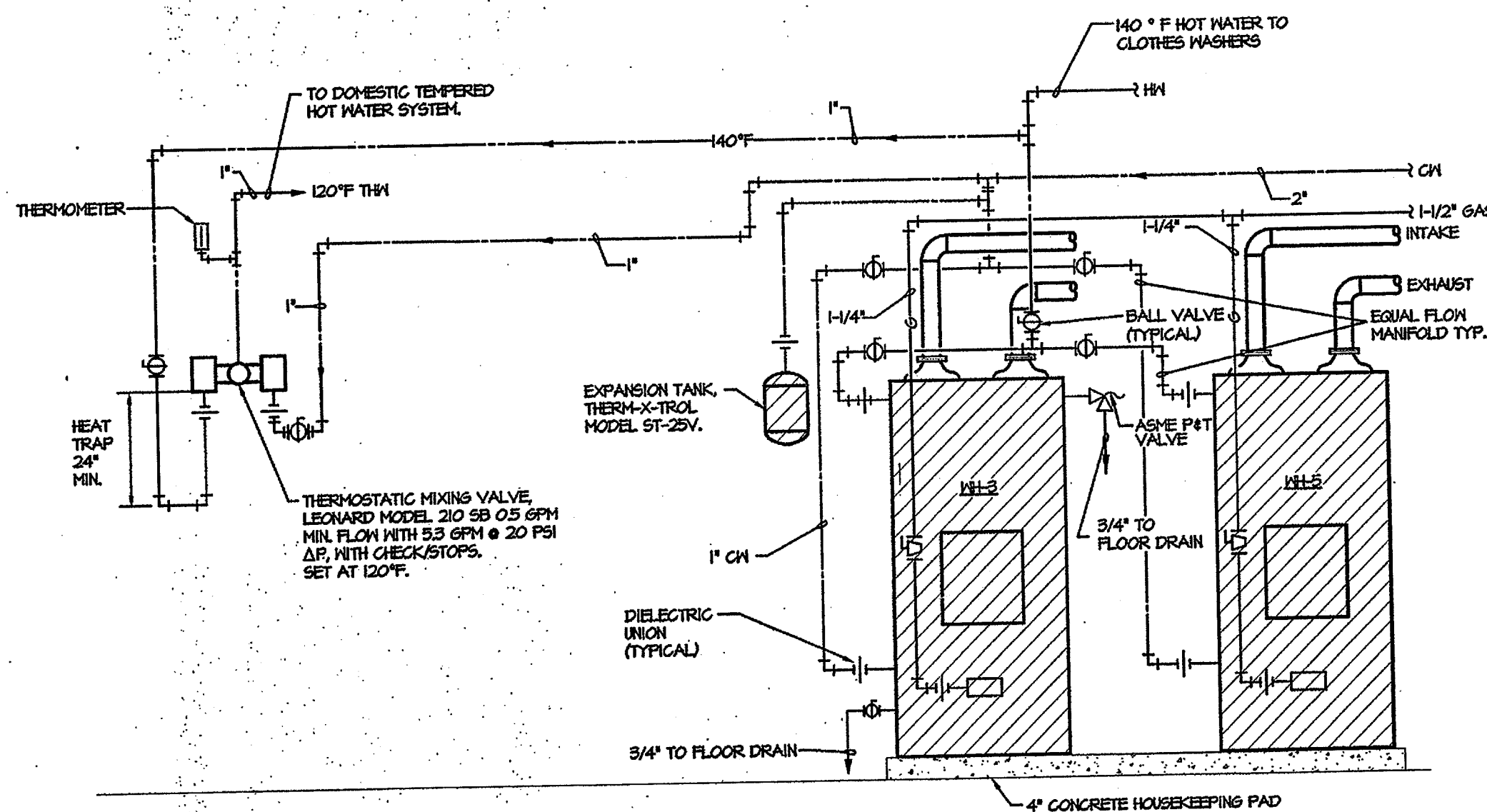


3 LINT TRAP DETAIL
NOT TO SCALE

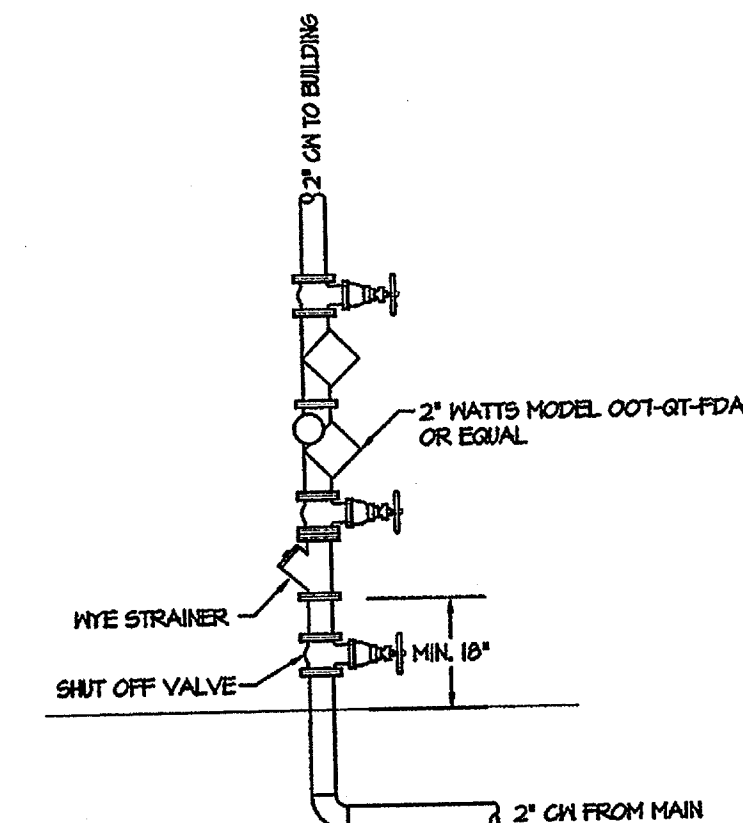
DESIGNATION	DESCRIPTION	MOUNTING	WATER		VENT	WASTE	TRAP
			COLD	HOT			
WC-1	WATER CLOSET	FLOOR	1/2"	N/A	2"	4"	INTEGRAL
WC-2	WATER CLOSET	FLOOR/ADA	1/2"	N/A	2"	4"	INTEGRAL
L-1	LAVATORY	COUNTERTOP	1/2"	1/2"	2"	2"	1-1/4"
L-2	LAVATORY	COUNTERTOP/ADA	1/2"	1/2"	2"	2"	1-1/4"
L-3	LAVATORY	HALL/ADA	1/2"	1/2"	2"	2"	1-1/4"
S-1	SINGLE SINK	COUNTERTOP	1/2"	1/2"	2"	2"	1-1/2"
S-2	SINGLE SINK	COUNTERTOP/ADA	1/2"	1/2"	2"	2"	1-1/2"
S-3	DOUBLE SINK	COUNTERTOP/ADA	1/2"	1/2"	2"	2"	1-1/2"
BT-1	BATHUB	FLOOR	1/2"	1/2"	2"	2"	1-1/2"
SH-1	SHOWER	FLOOR/ADA	1/2"	1/2"	2"	2"	1-1/2"
SS-1	SERVICE SINK	FLOOR/CORNER	1/2"	1/2"	3"	3"	3"
WB-1	WASHER BOX	WALL	1/2"	1/2"	2"	2"	2"
HB-1	HOSE BIBB	EXTERIOR WALL	1/2"	N/A	N/A	N/A	N/A
HB-2	HOSE BIBB	INTERIOR WALL	1/2"	N/A	N/A	N/A	N/A



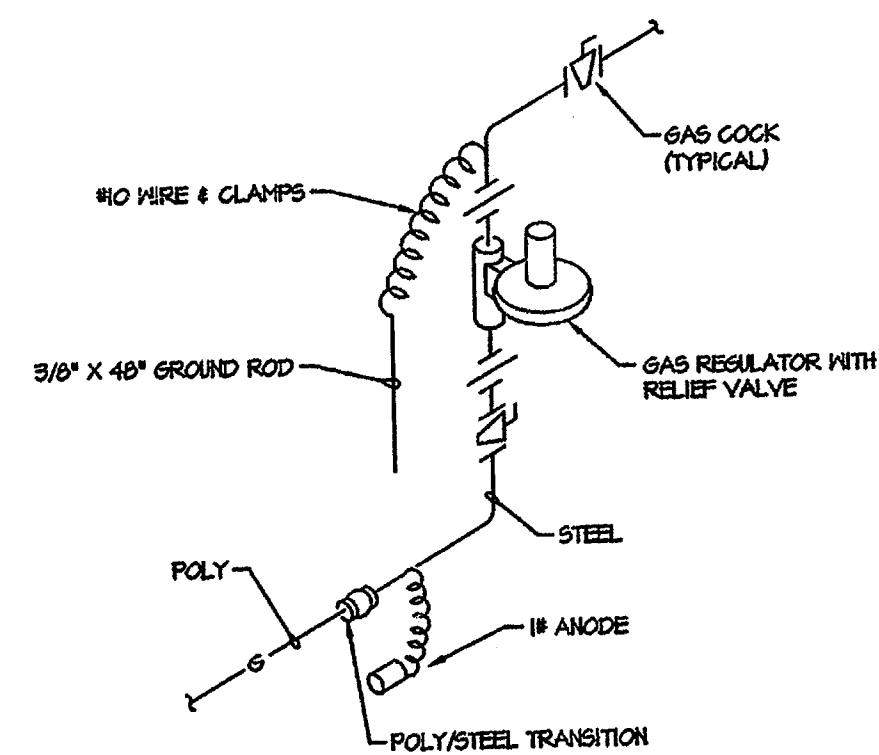
4 ELECTRIC WATER HEATER (WH-1 & WH-2) DETAIL
SCALE: NONE



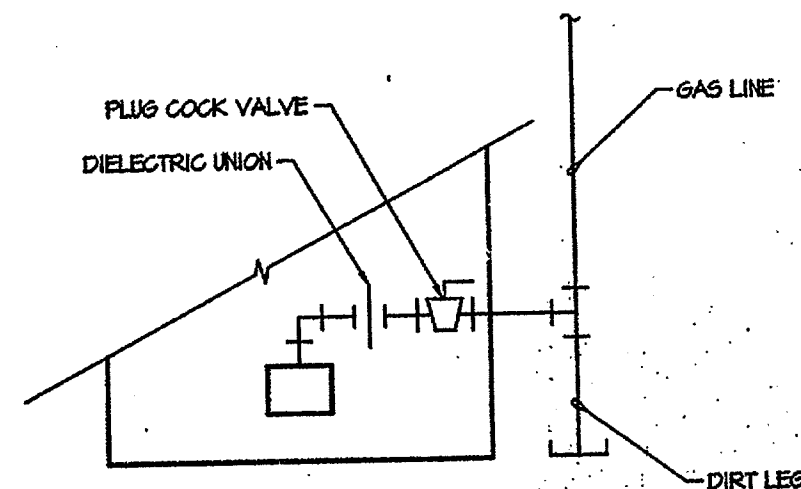
5 WATER HEATER DETAIL
SCALE: NONE



6 DOMESTIC WATER DOUBLE CHECK BACKFLOW PREVENTER DETAIL
SCALE: NONE



7 GAS ENTRANCE RISER
SCALE: NONE



8 TYPICAL GAS EQUIPMENT CONNECTION
SCALE: NONE

ELECTRIC DOMESTIC WATER HEATERS											SPECIFIED IN SECTION 15400
DESIGNATION	REFERENCE PRODUCT	LOCATION	TYPE	OPERATING WEIGHT (LBS)	ELEMENT SIZE (WATTS)	HEATING OUTPUT (BTU/H)	ENT / LHT (°F)	RECOVERY RATE (GPH)	RATED PRESSURE (PSIG)	ELECTRICAL VOLTS/PHASE/AMPS	REMARKS
WH-1	A.O. SMITH DEL-52	WH CLOSET	ELECTRIC TANK TYPE	548	4500	3600	60/120	9	150	208 / 1 / 21.6	REFER TO SPECIFICATIONS FOR WARRANTY. PROVIDE EXPANSION TANK. ①
WH-2	A.O. SMITH DEL-52	JANITOR CLOSET	ELECTRIC TANK TYPE	85	1500	1200	60/120	10	150	120 / 1 / 12.5	REFER TO SPECIFICATIONS FOR WARRANTY. PROVIDE EXPANSION TANK. ②

① WH-1 EXPANSION TANK. WATTS SERIES DET-12-M, 4.5 GALLON VOLUME, 1.8 GALLON ACCEPTANCE.
② WH-2 EXPANSION TANK. WATTS SERIES DET-3-M, 2.1 GALLON VOLUME, 0.85 GALLON ACCEPTANCE.

GAS FIRED DOMESTIC WATER HEATERS											SPECIFIED IN SECTION 15400		
DESIGNATION	REFERENCE PRODUCT	LOCATION	TYPE	FUEL	OPERATING WEIGHT (LBS)	NAT. GAS INPUT (MBH)	HEATING OUTPUT (BTU/H)	ENT / LHT (°F)	RECOVERY RATE (GPH)	FUELS/GA. DIAMETER (IN.)	RATED PRESSURE (PSIG)	ELECTRICAL VOLTS/PHASE/AMPS	REMARKS
WH-3 & 4	STATE SERVICE HEAT	WATER HEATER ROOM	TANK TYPE	NAT. GAS	1650	199	-	40/140	208	-	150	120 / 1 / 12	REFER TO SPECIFICATIONS FOR WARRANTY. PROVIDE EXPANSION TANK. ①

① WH-3 EXPANSION TANK. WATTS SERIES DET-20-M, 8.5 GALLON VOLUME, 3.2 GALLON ACCEPTANCE.
② VENT AND INTAKE MATERIAL TO BE CPVC SCHEDULE 40, 4" DIAMETER.

NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY

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KA
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BRACKETT
KRENNERICH

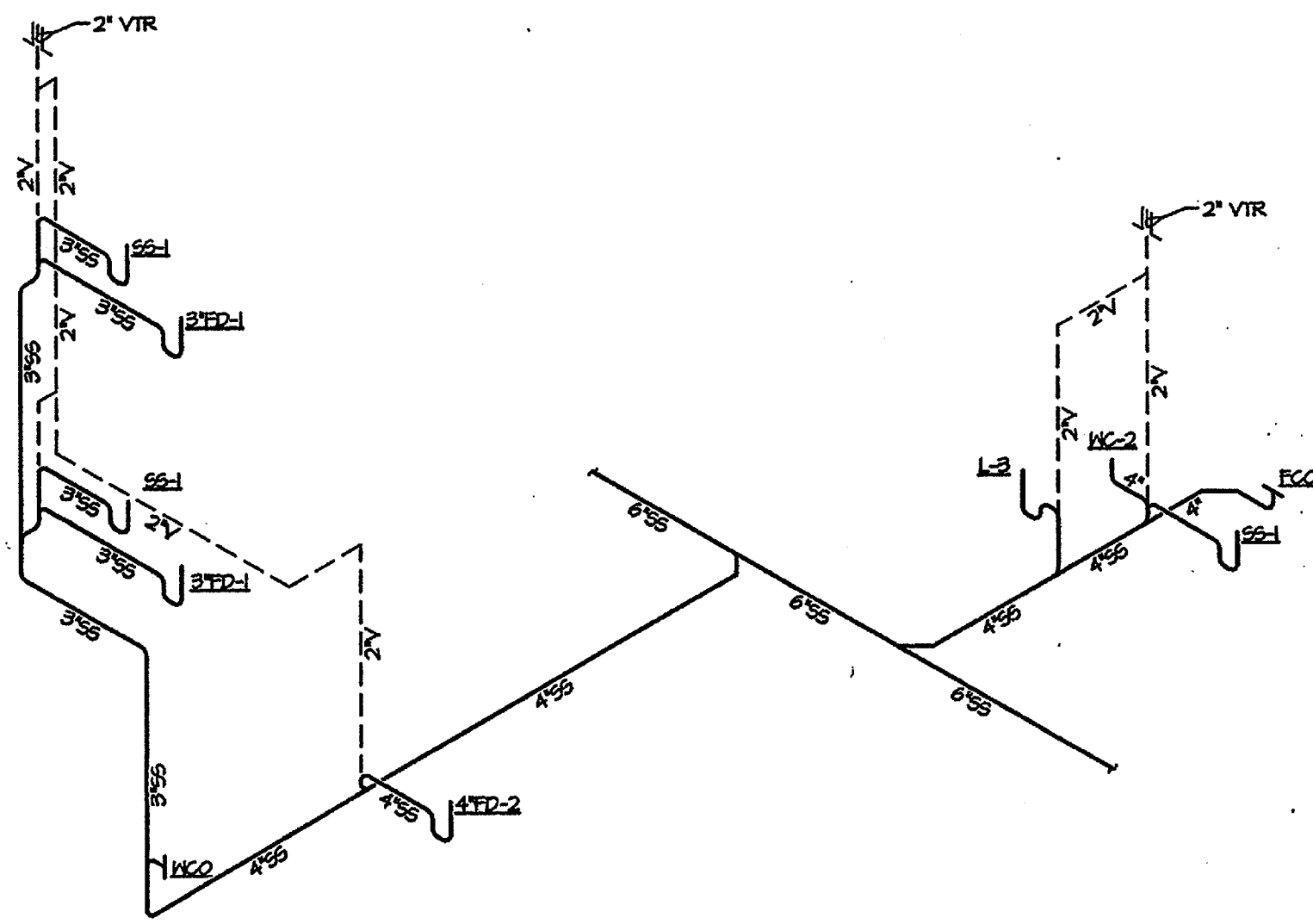
PLUMBING
AND SCHED

NOVEMBER 23, 2004
MAY 24, 2005

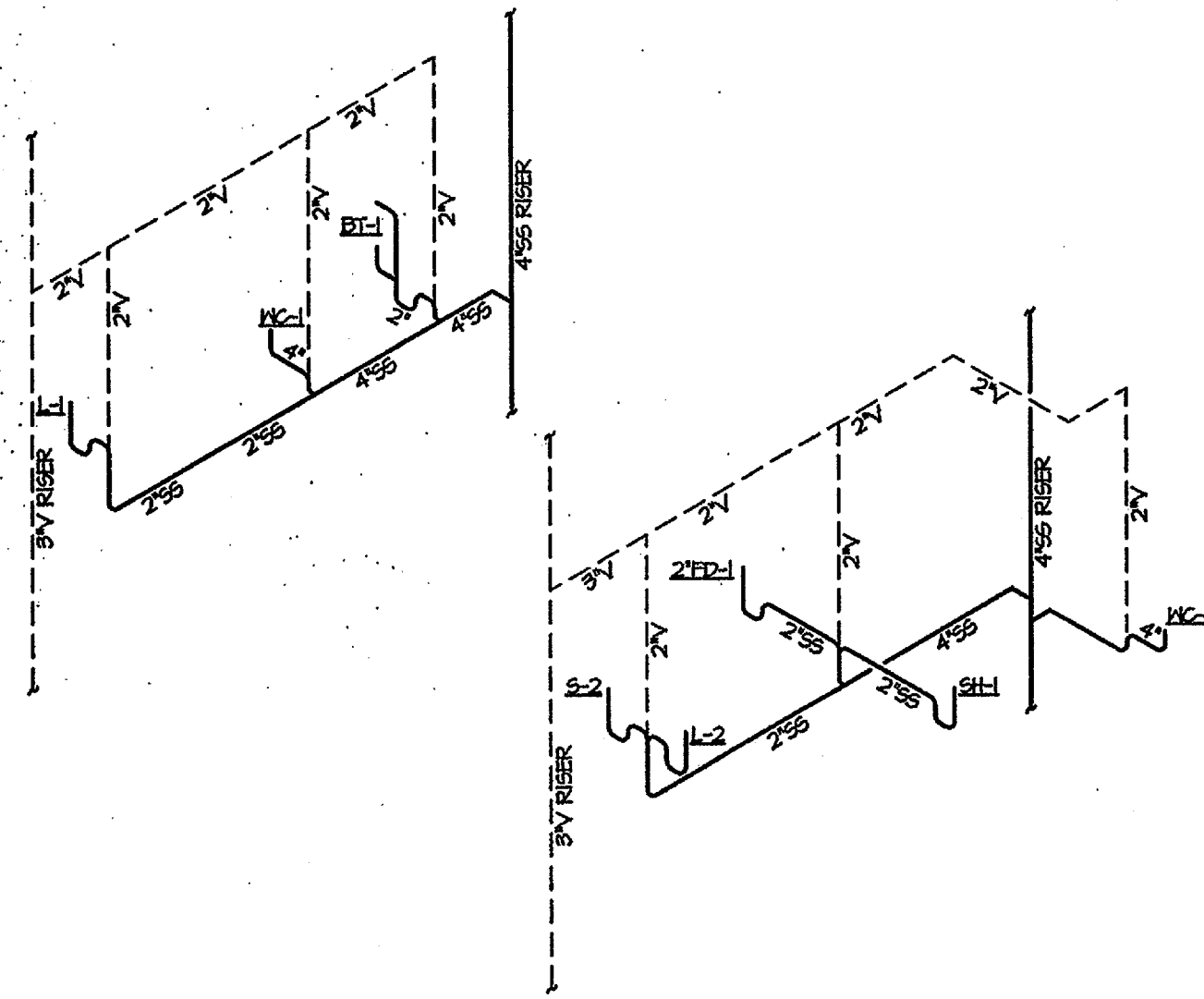
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10036
JAMES P. R. PRINM

CORPORATE REGISTRATION
TME, INC.
No. 178
ARKANSAS-ENGINEER

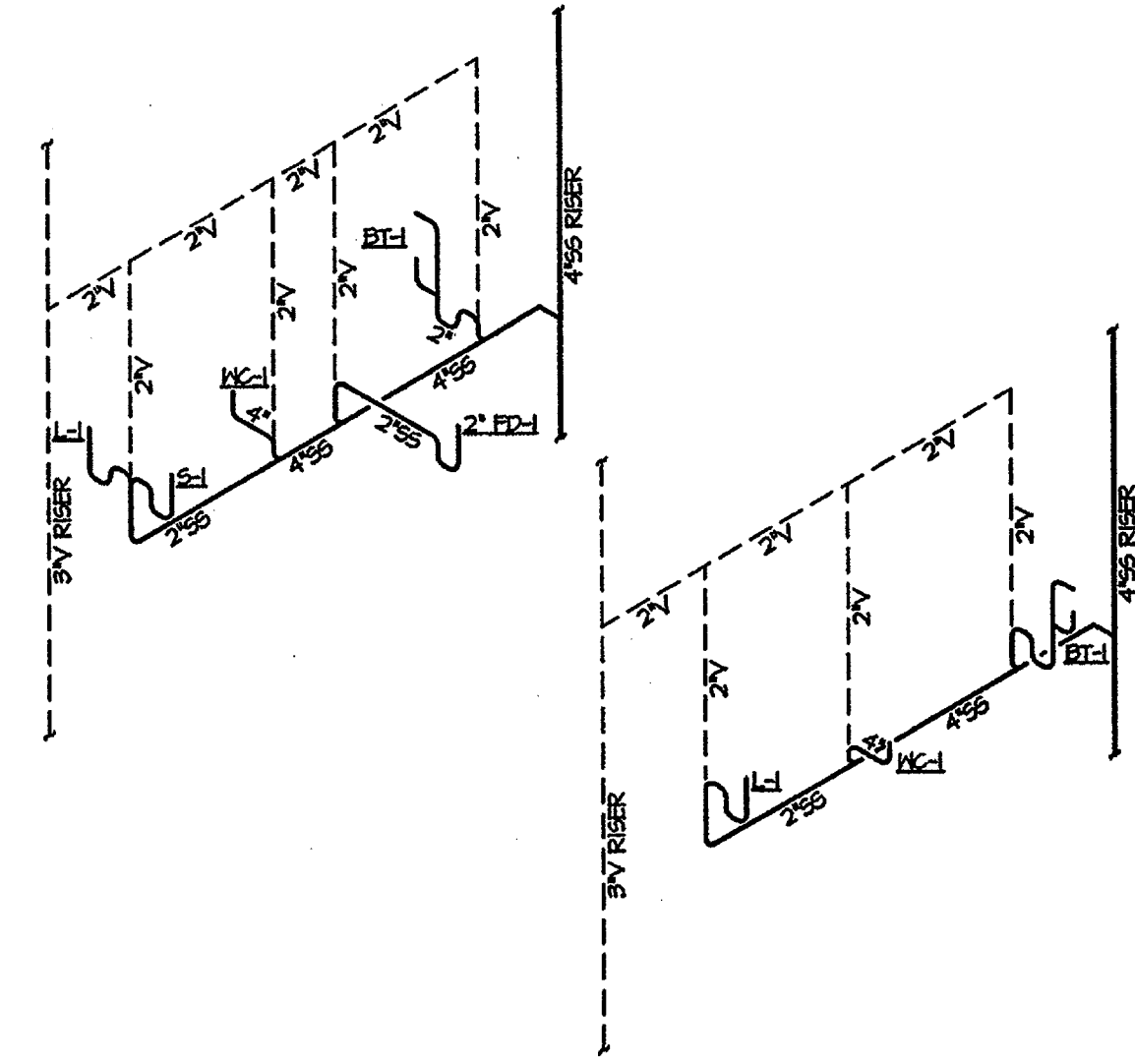
Commission
1040
M3
Date: Novem



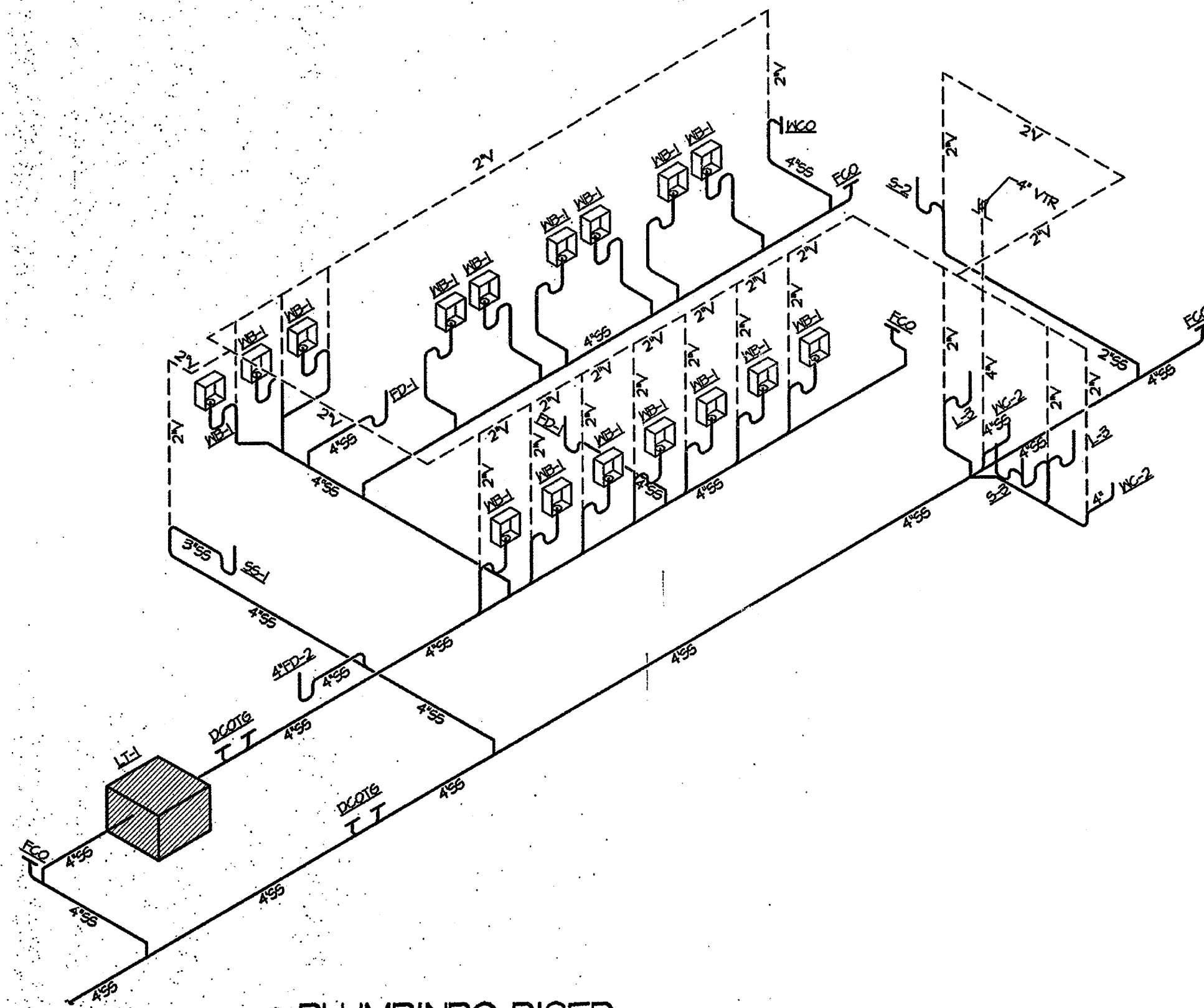
① PLUMBING RISER
SCALE NOT TO SCALE



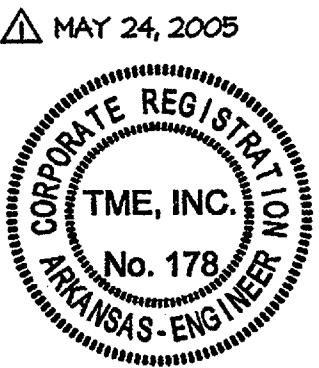
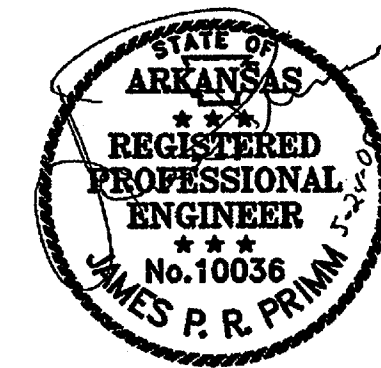
② PLUMBING RISER
SCALE NOT TO SCALE



③ PLUMBING RISER
SCALE NOT TO SCALE



④ PLUMBING RISER
SCALE NOT TO SCALE



△ MAY 24, 2005

NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY



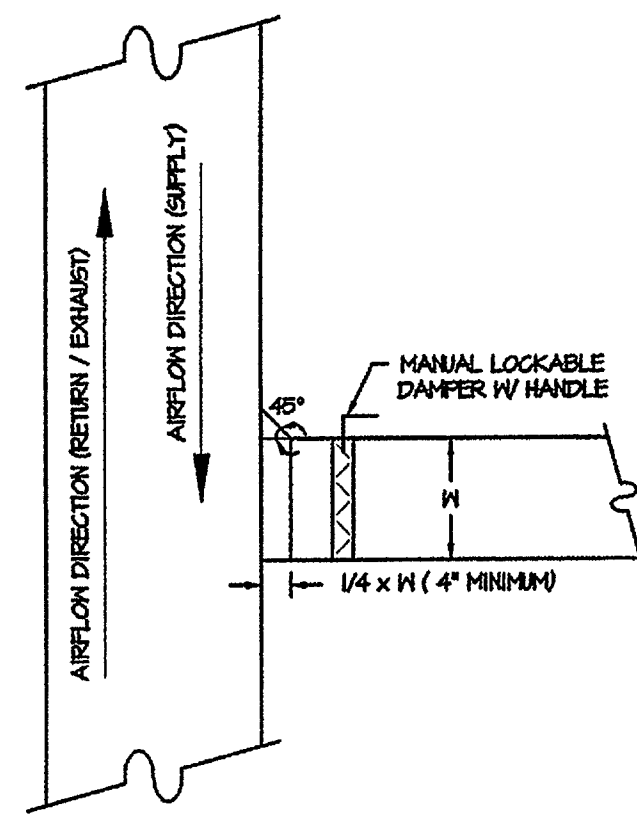
BRACKETT
KRENNERICH

PLUMBING RISER

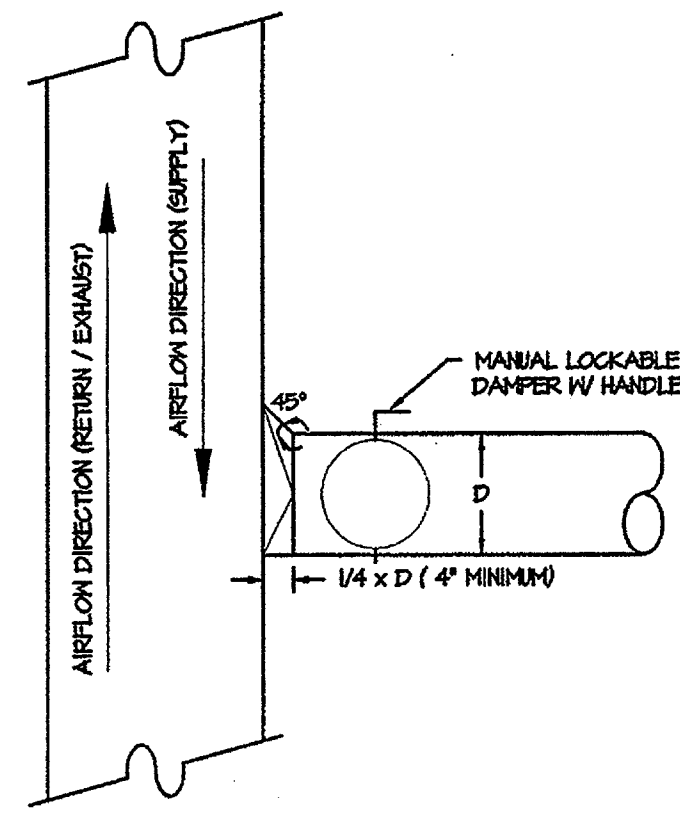
Commission No. 10404R

M30

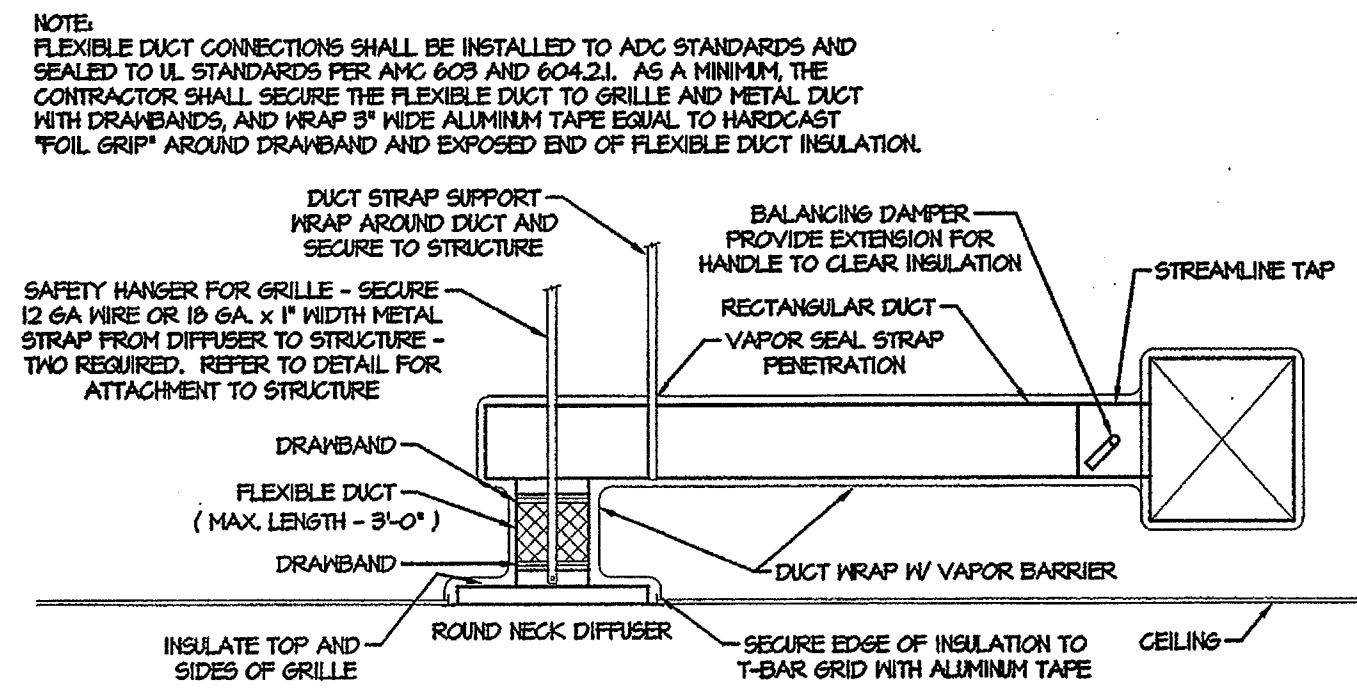
Date: November



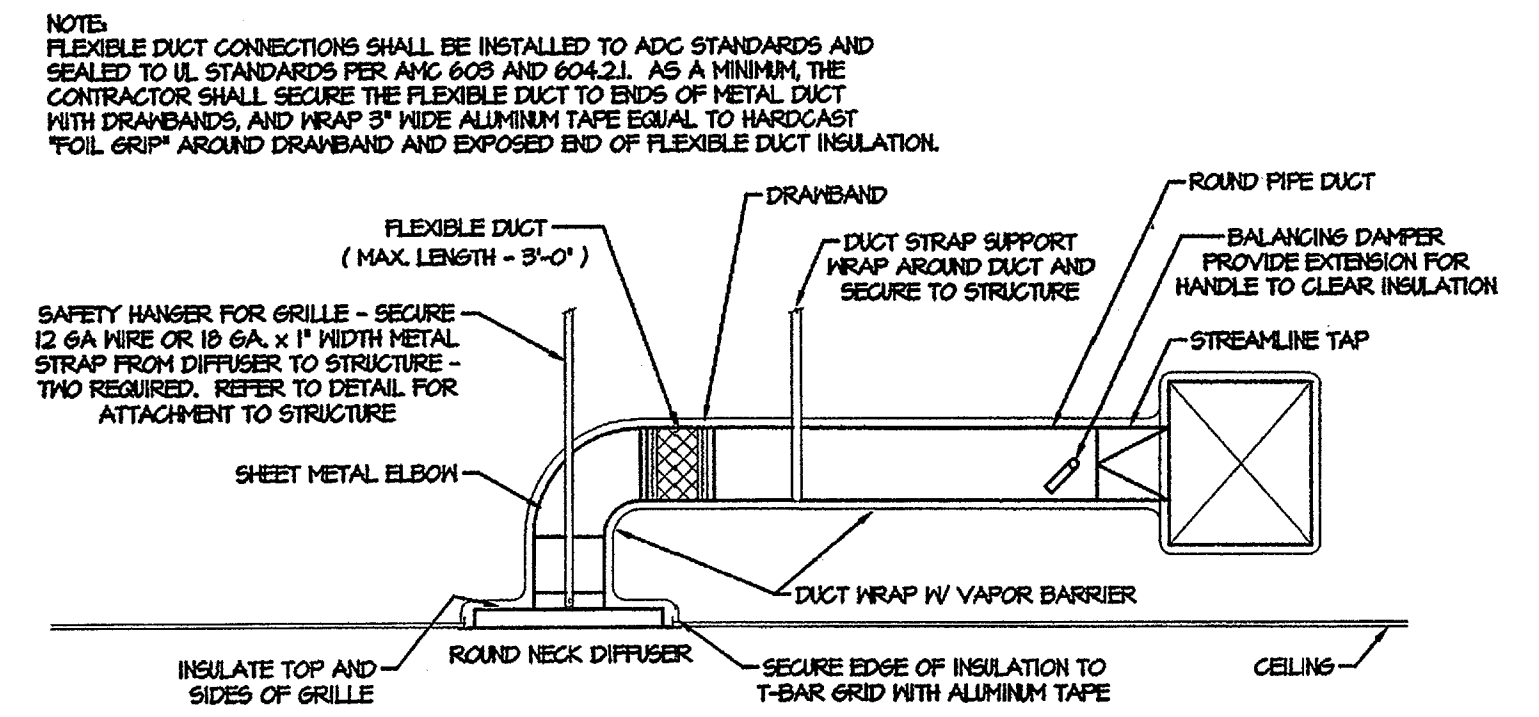
① RECTANGULAR BRANCH DUCT CONNECTION
SCALE: NOT TO SCALE



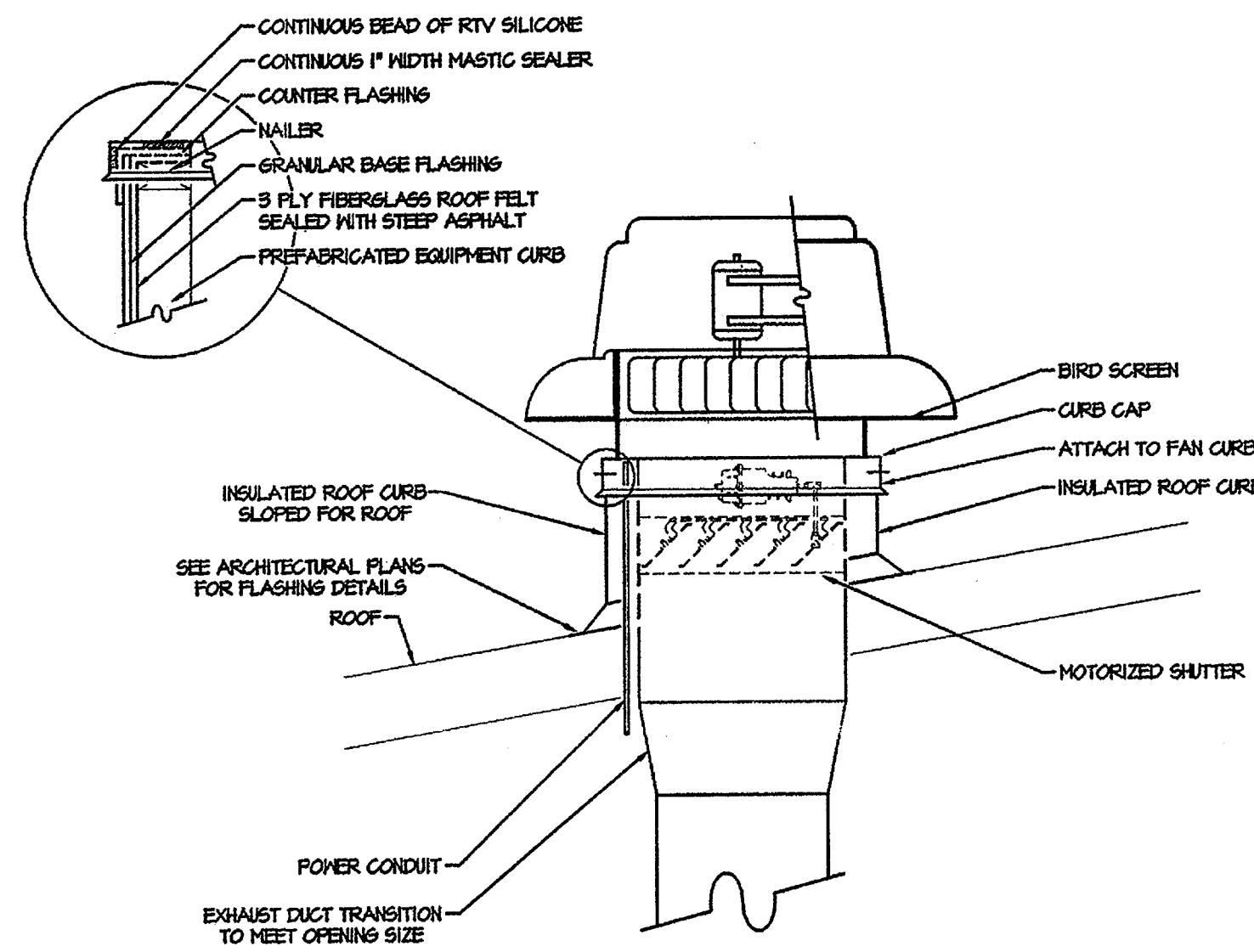
② ROUND BRANCH DUCT CONNECTION
SCALE: NOT TO SCALE



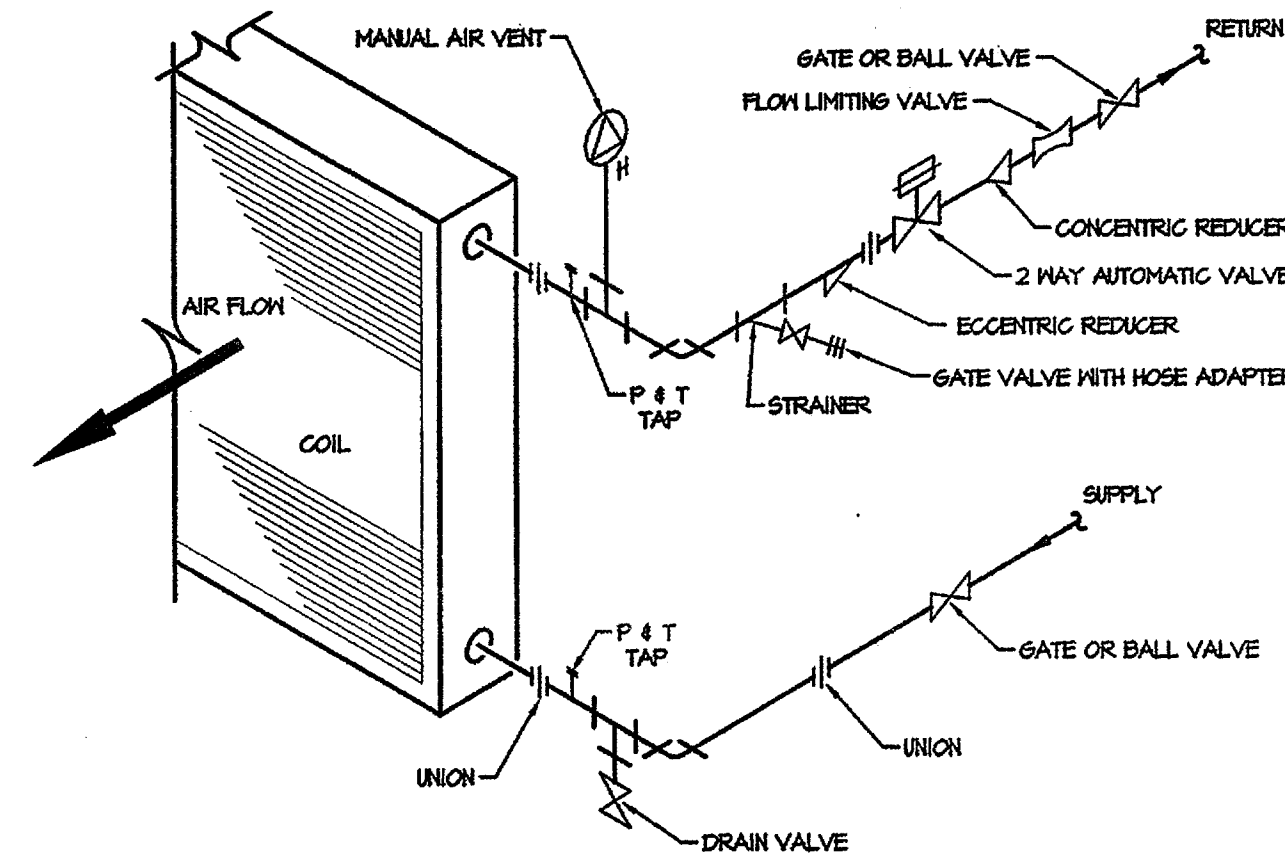
③ DIFFUSER CONNECTION TO RECTANGULAR DUCT
NOT TO SCALE



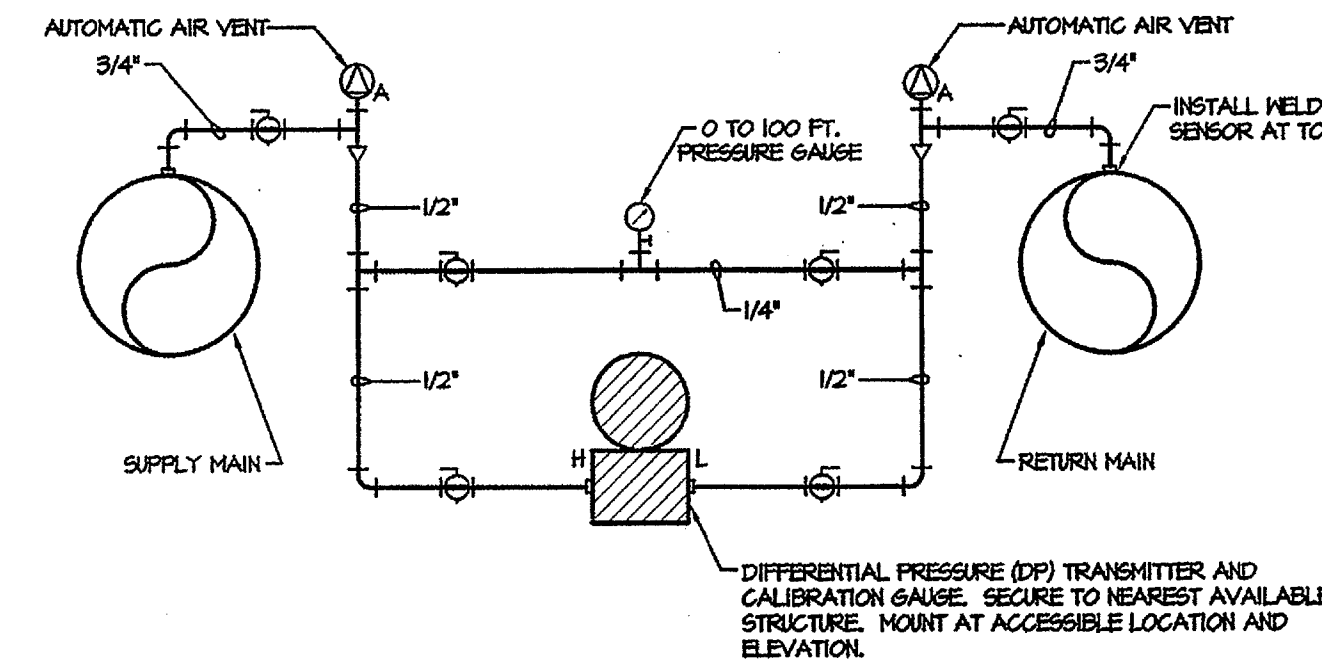
④ DIFFUSER CONNECTION TO ROUND DUCT
NOT TO SCALE



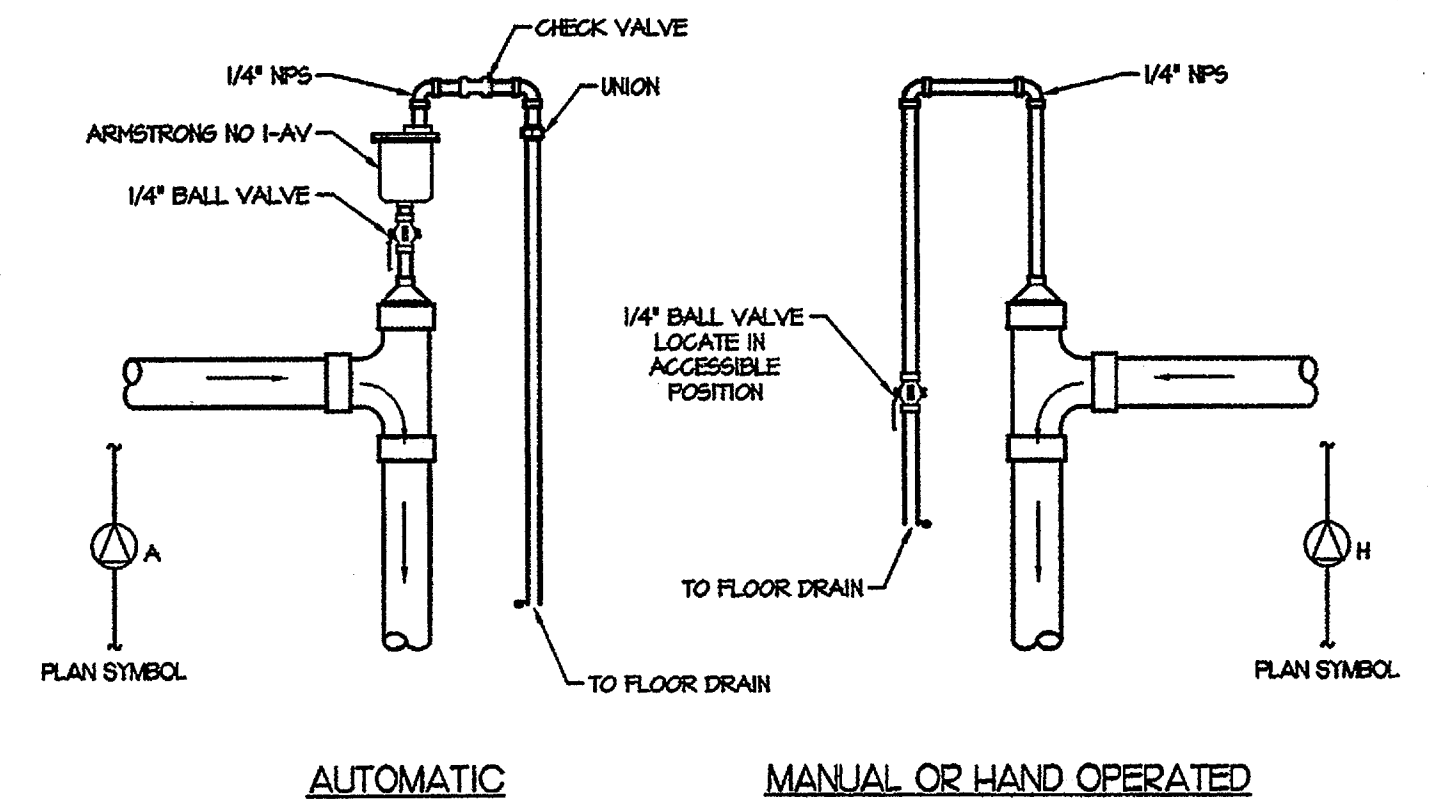
⑤ ROOFTOP DOWNBLAST EXHAUST FAN DETAIL
NOT TO SCALE



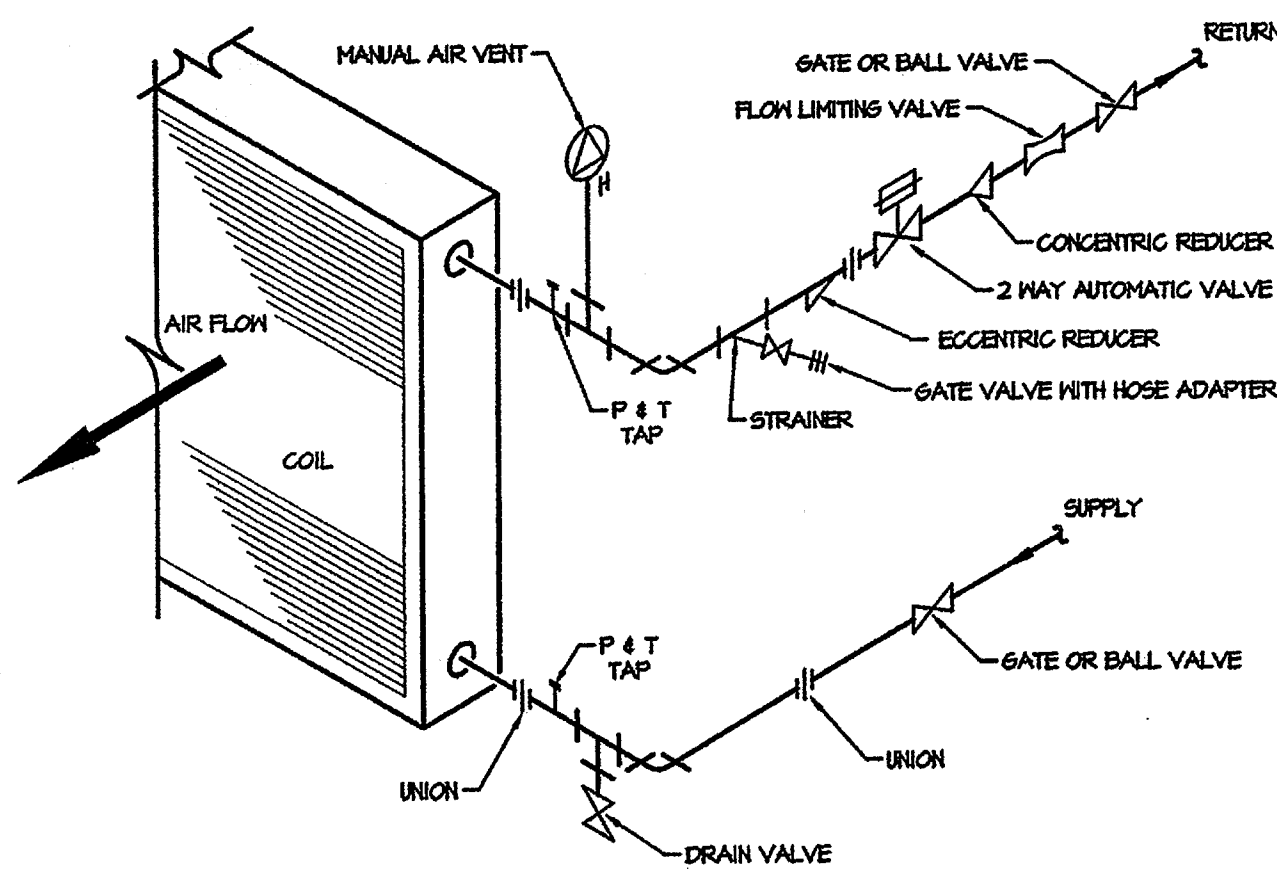
⑥ HEATING WATER COIL PIPING DETAIL
NOT TO SCALE



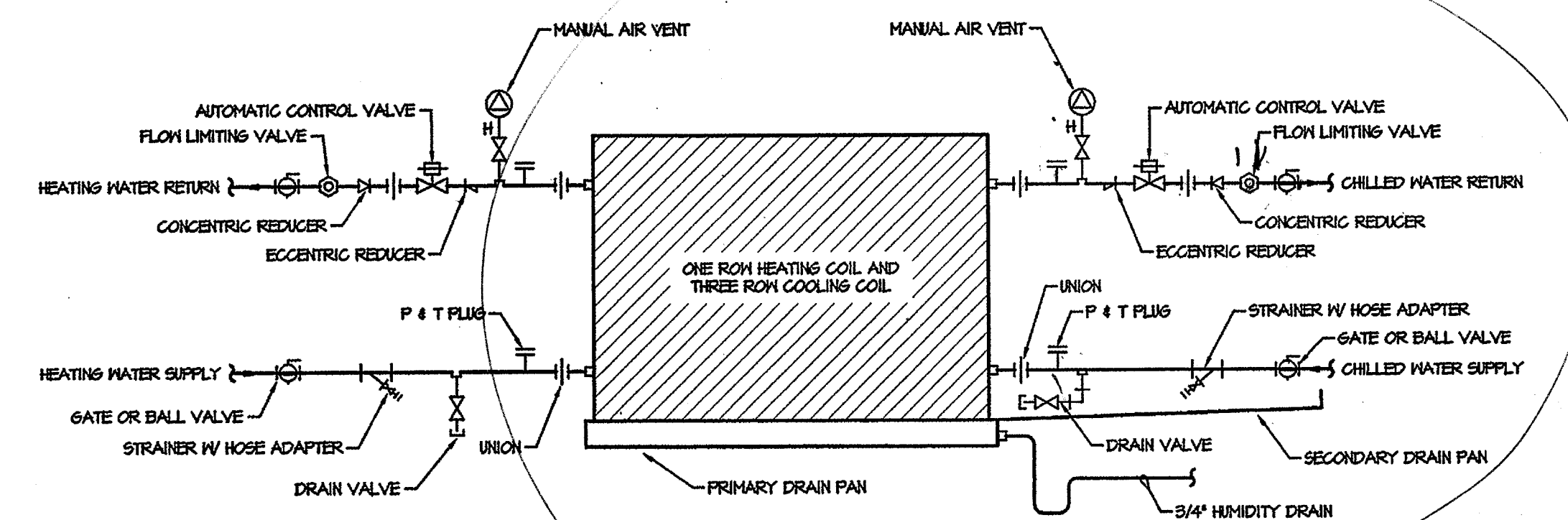
⑦ DIFFERENTIAL PRESSURE TRANSMITTER DETAIL
NOT TO SCALE



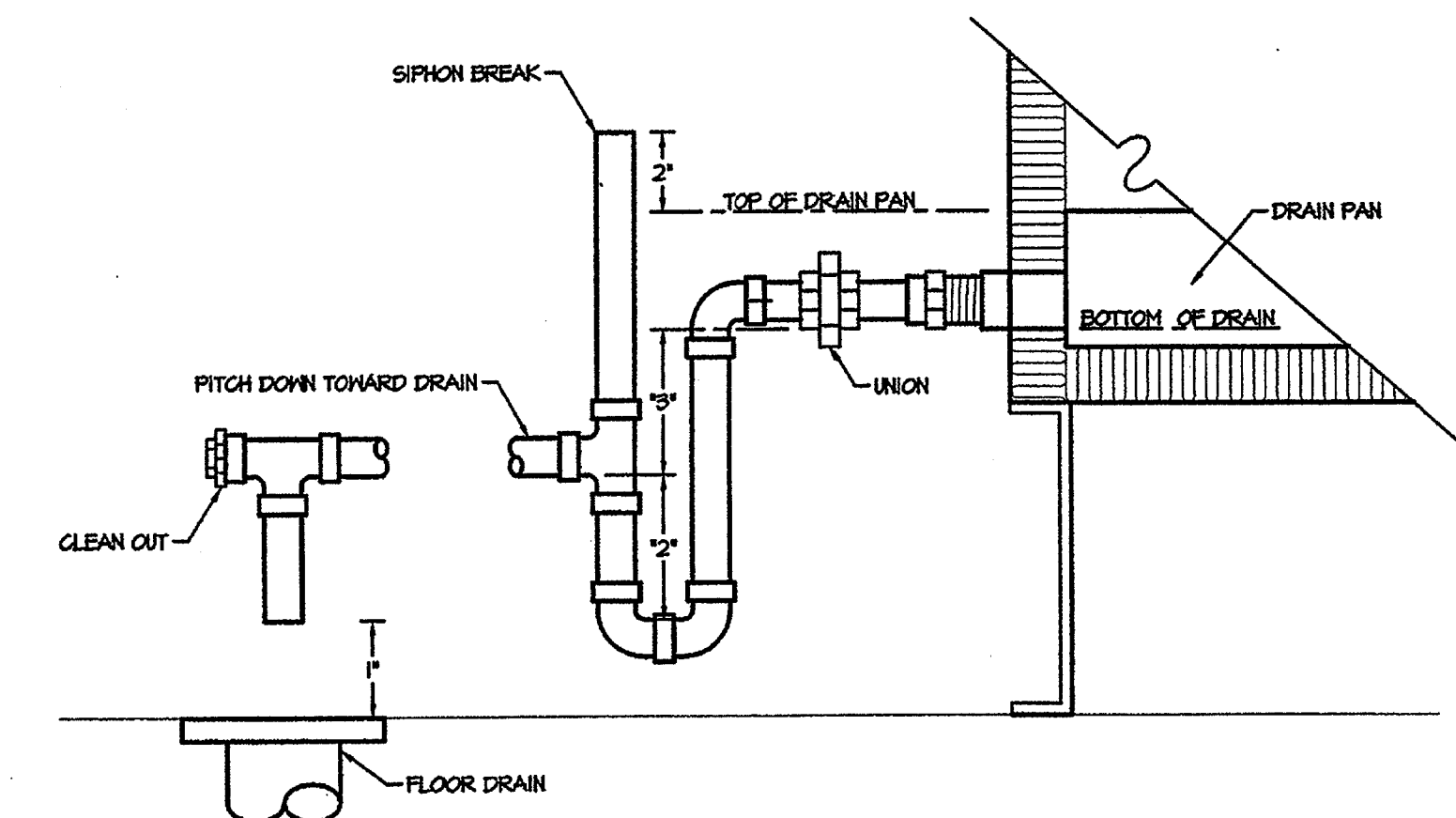
⑧ AIR ELIMINATOR DETAIL
SCALE: NOT TO SCALE



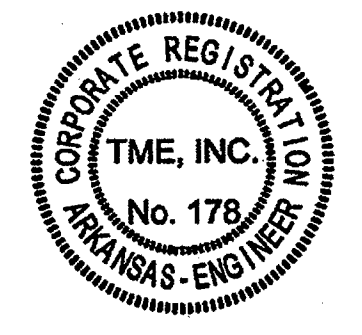
⑨ CHILLED WATER COIL PIPING DETAIL
NOT TO SCALE

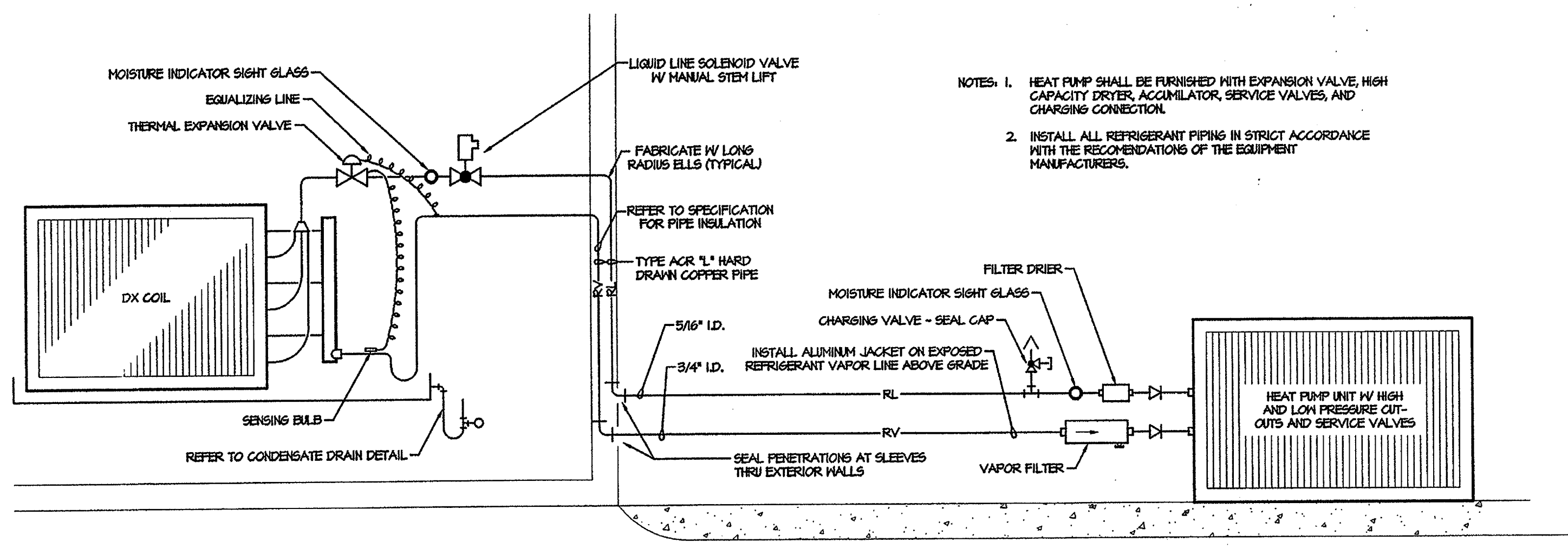


⑩ HORIZONTAL FAN COIL UNIT PIPING DETAIL
NOT TO SCALE

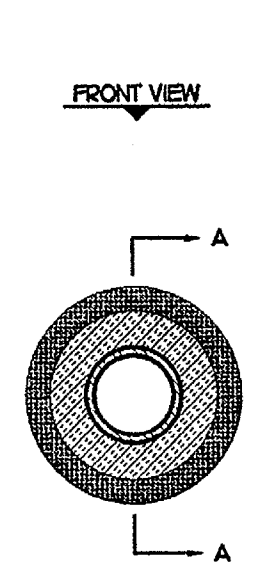


⑪ CONDENSATE DRAIN PIPING DETAIL - MAU-X
SCALE: NOT TO SCALE

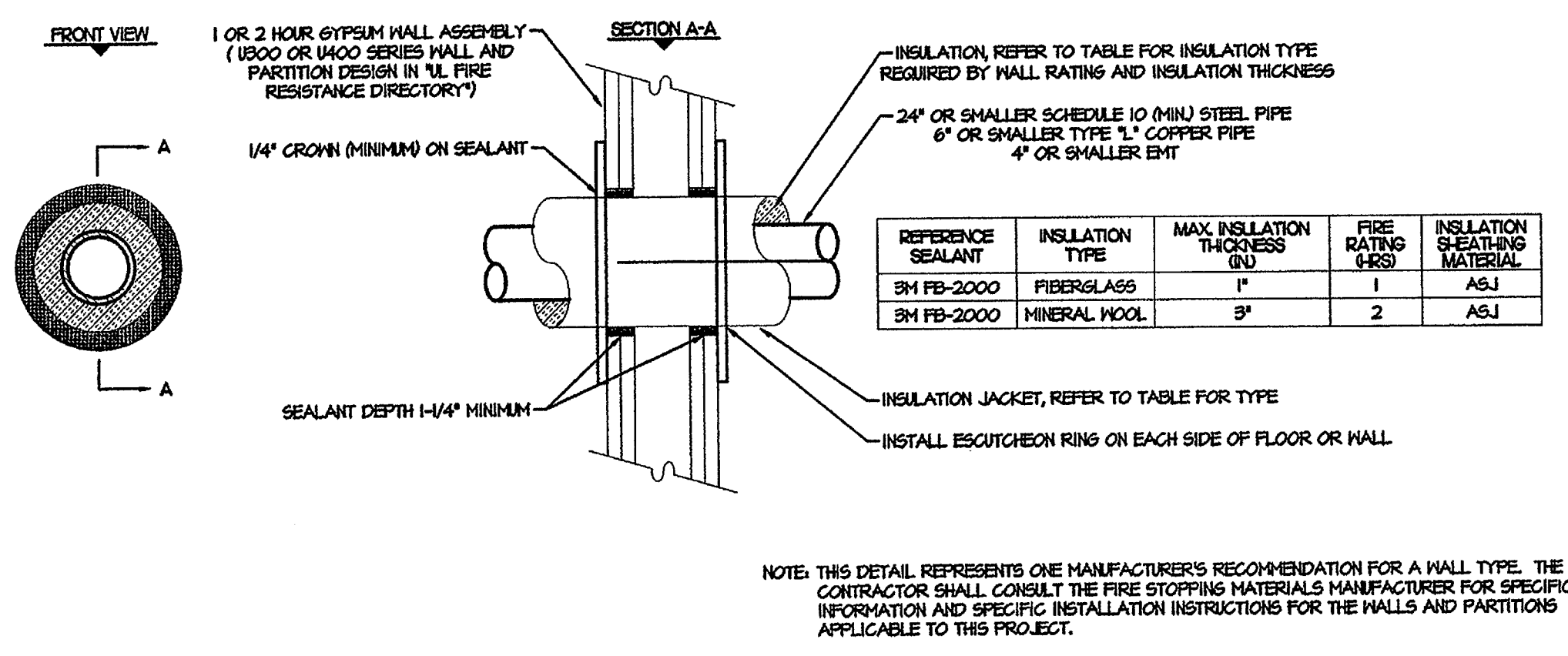
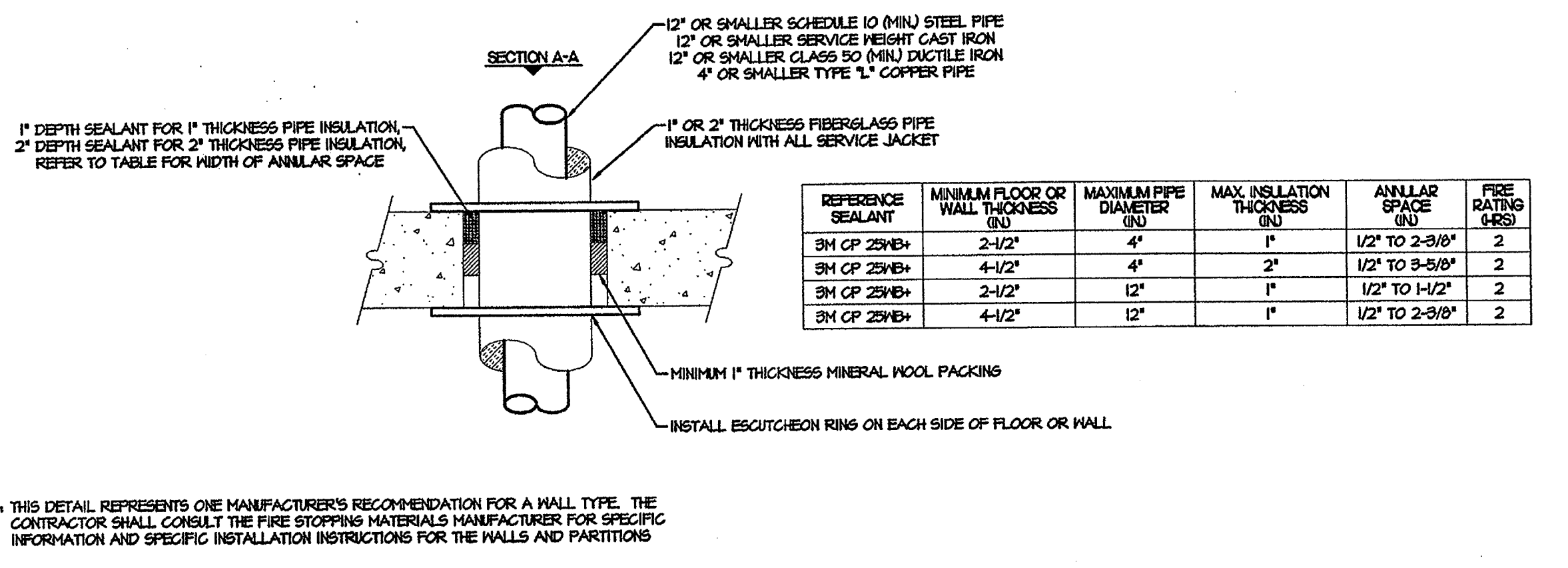




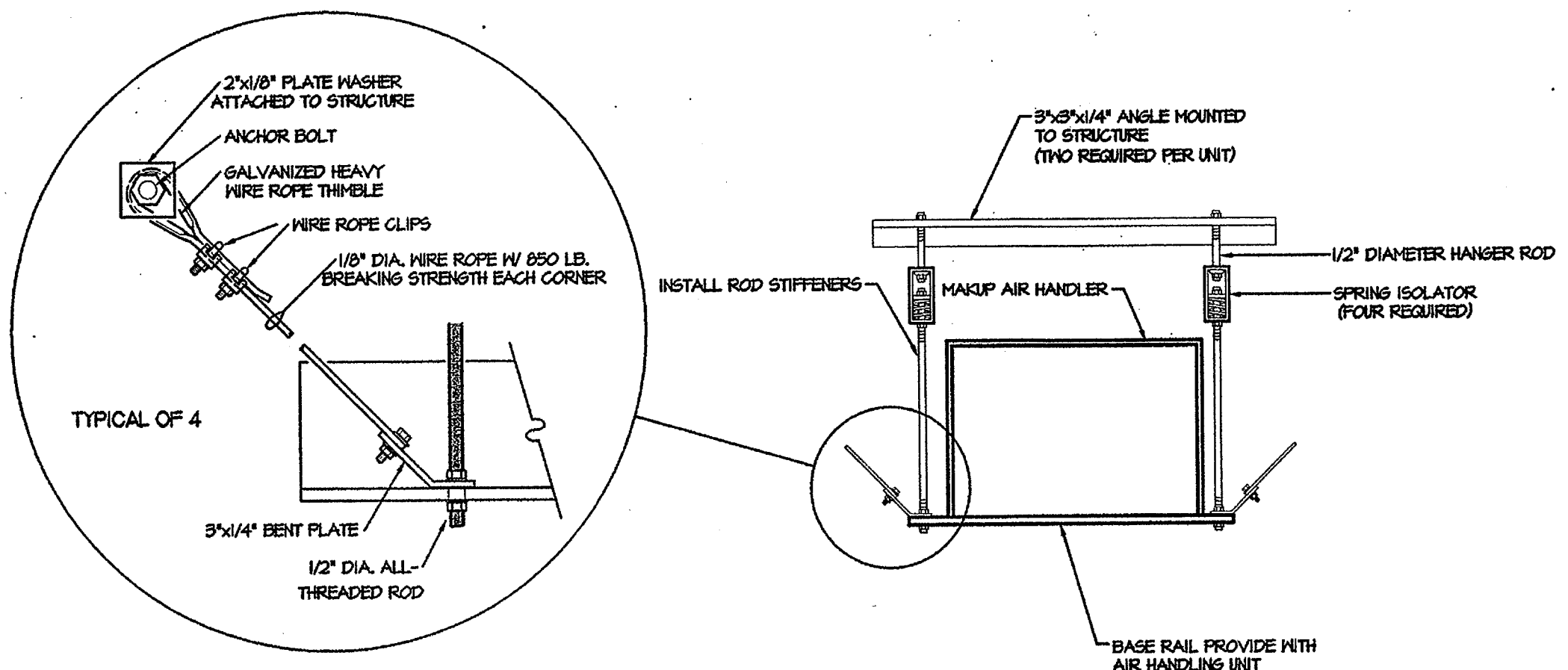
1 REFRIGERANT PIPING DETAIL
NOT TO SCALE



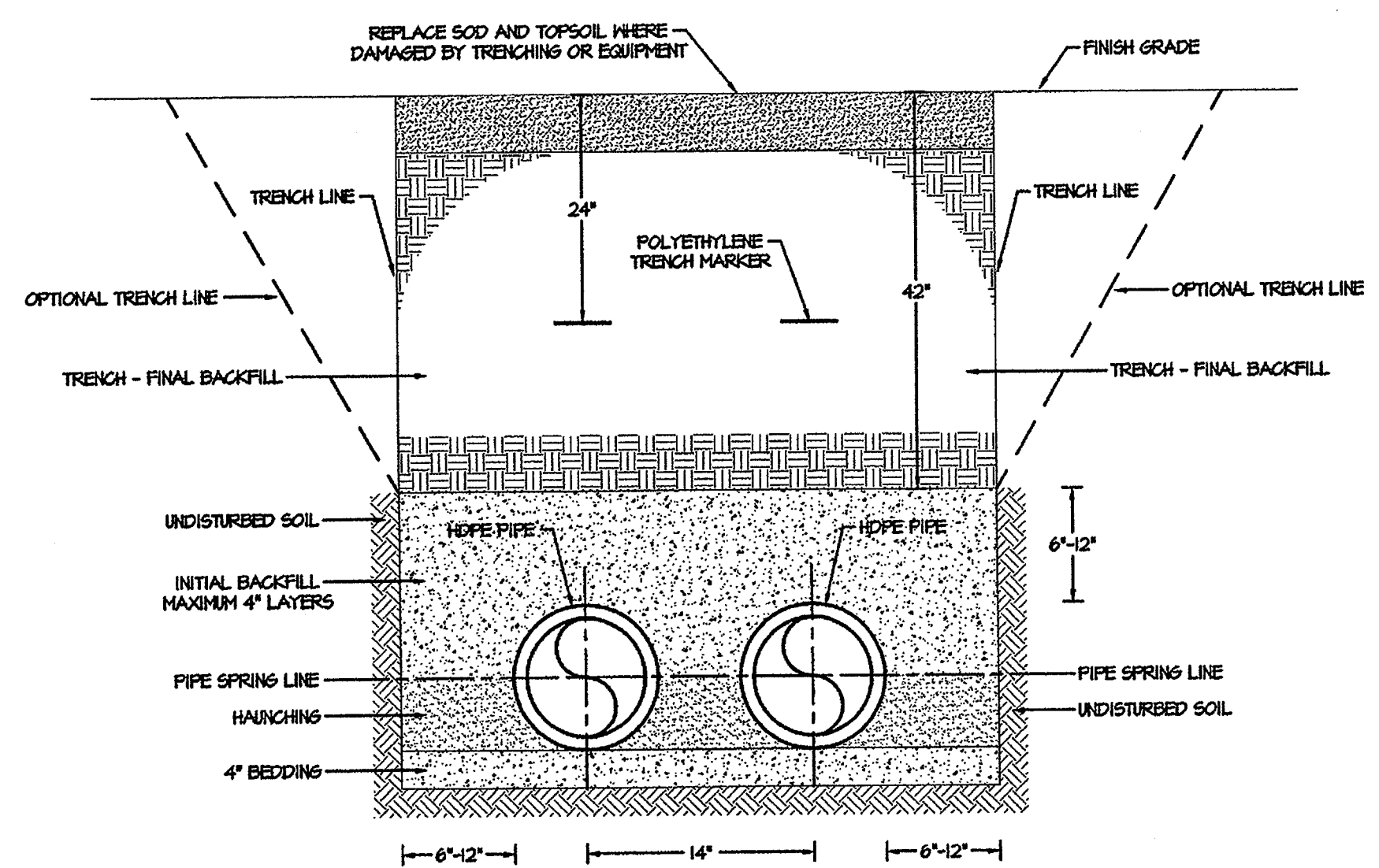
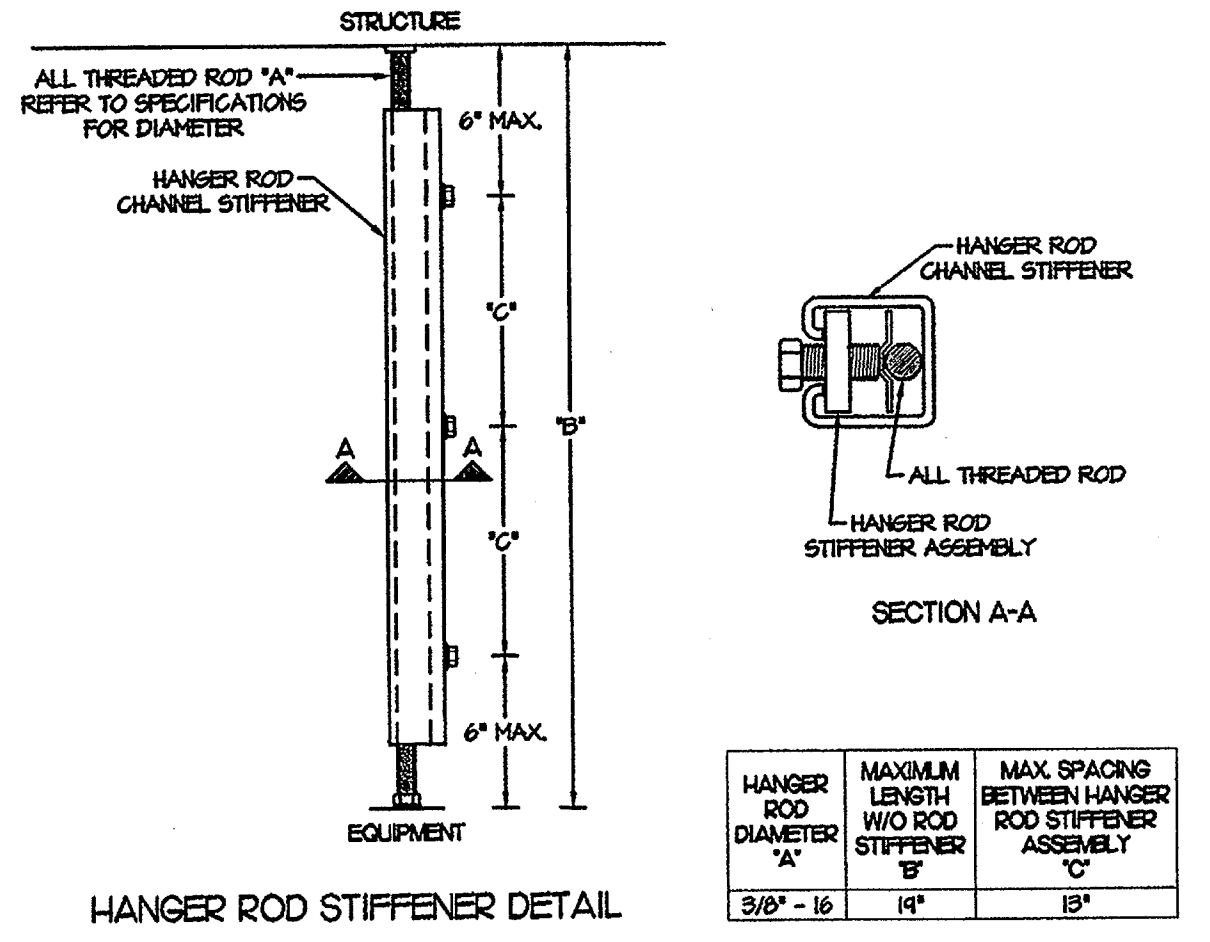
2 INSULATED METAL PIPE PENETRATION THRU RATED FLOOR OR WALL
SCALE: NOT TO SCALE



3 INSULATED METAL PIPE PENETRATION THRU RATED GYPSUM WALL
SCALE: NOT TO SCALE

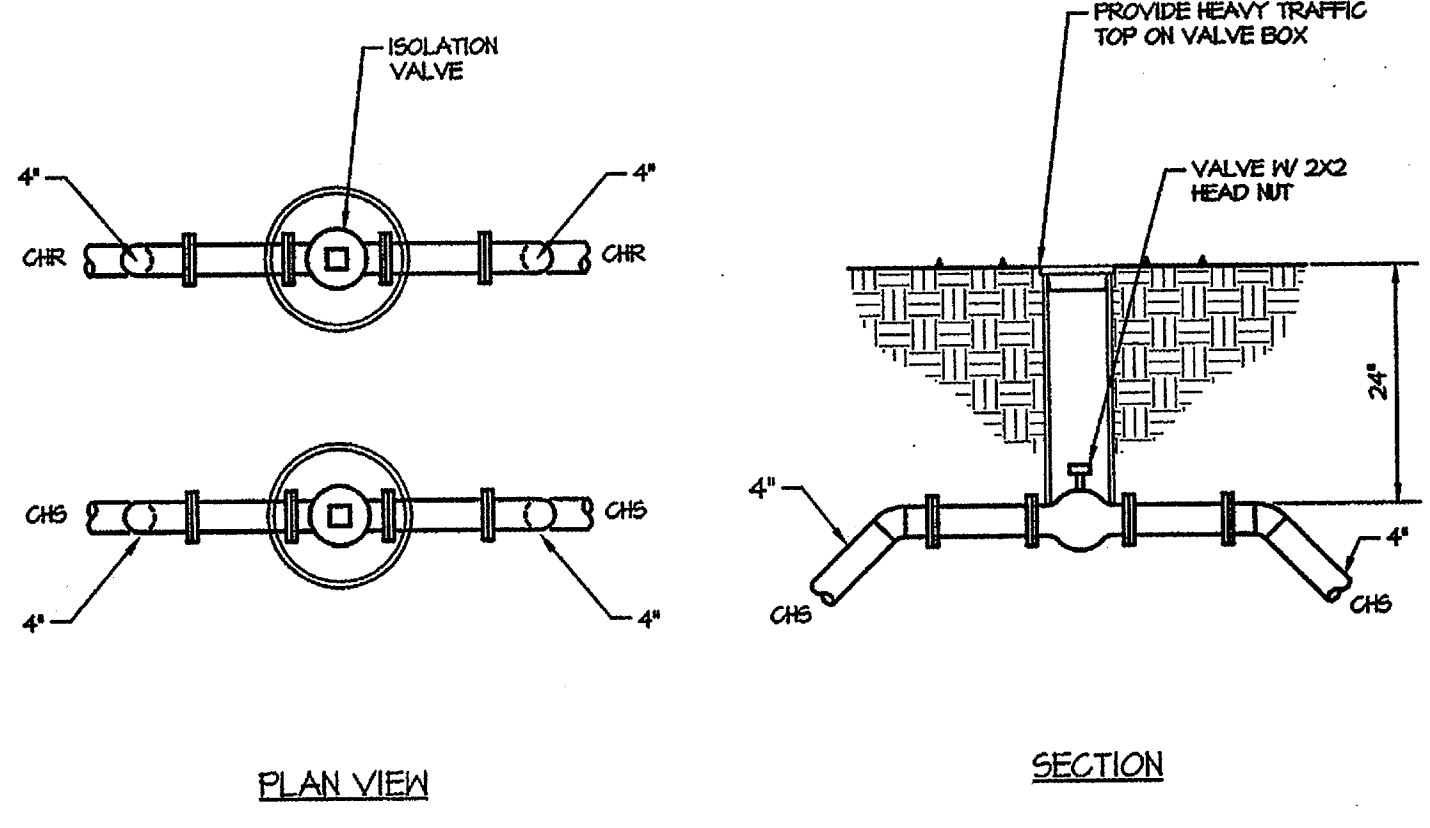


4 MAKEUP AIR HANDLER DETAIL
NOT TO SCALE

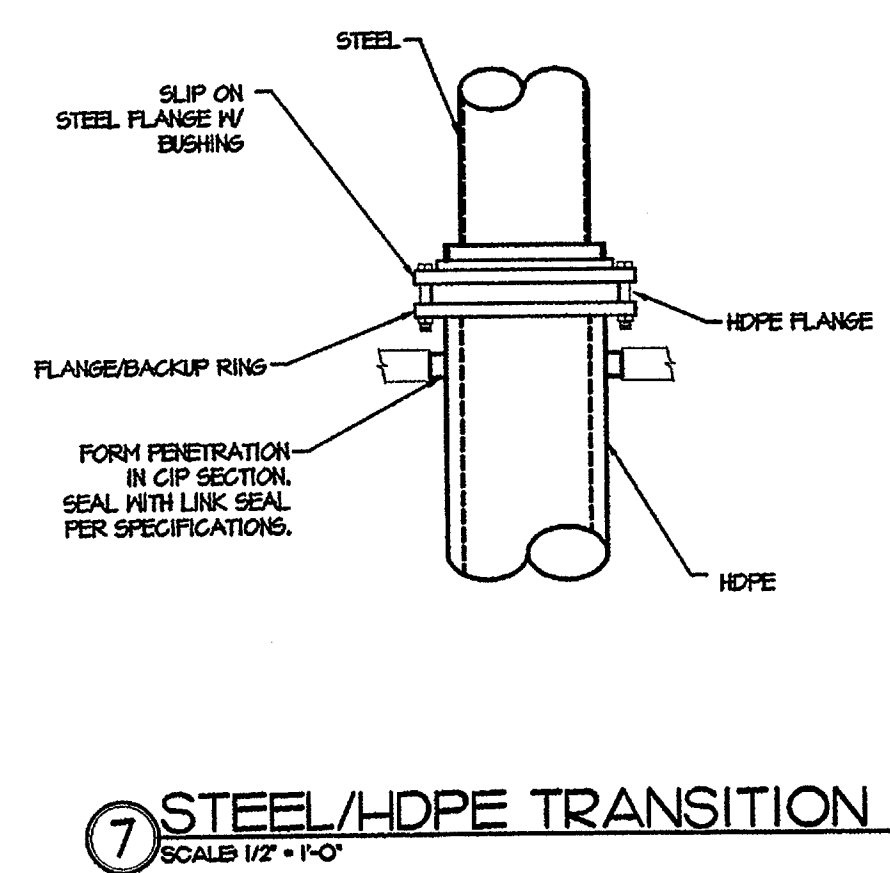


BEDDING - CRUSHED STONE OR FINE GRAVEL - USE FOR LEVELING PIPE, UNSTABLE SOIL OR ROCKY CONDITIONS.
HAUNCHING - CRUSHED STONE OR FINE GRAVEL - APPLIED IN MAXIMUM OF 6" LAYERS, AND EACH LAYER TAMPED INTO PLACE REMOVING ALL VOIDS BELOW PIPE.
INITIAL BACKFILL - CRUSHED STONE OR FINE GRAVEL - LAY IN 4"-6" LIFTS AND TAMPED SIMULTANEOUSLY.

5 PIPE TRENCH DETAIL
NOT TO SCALE



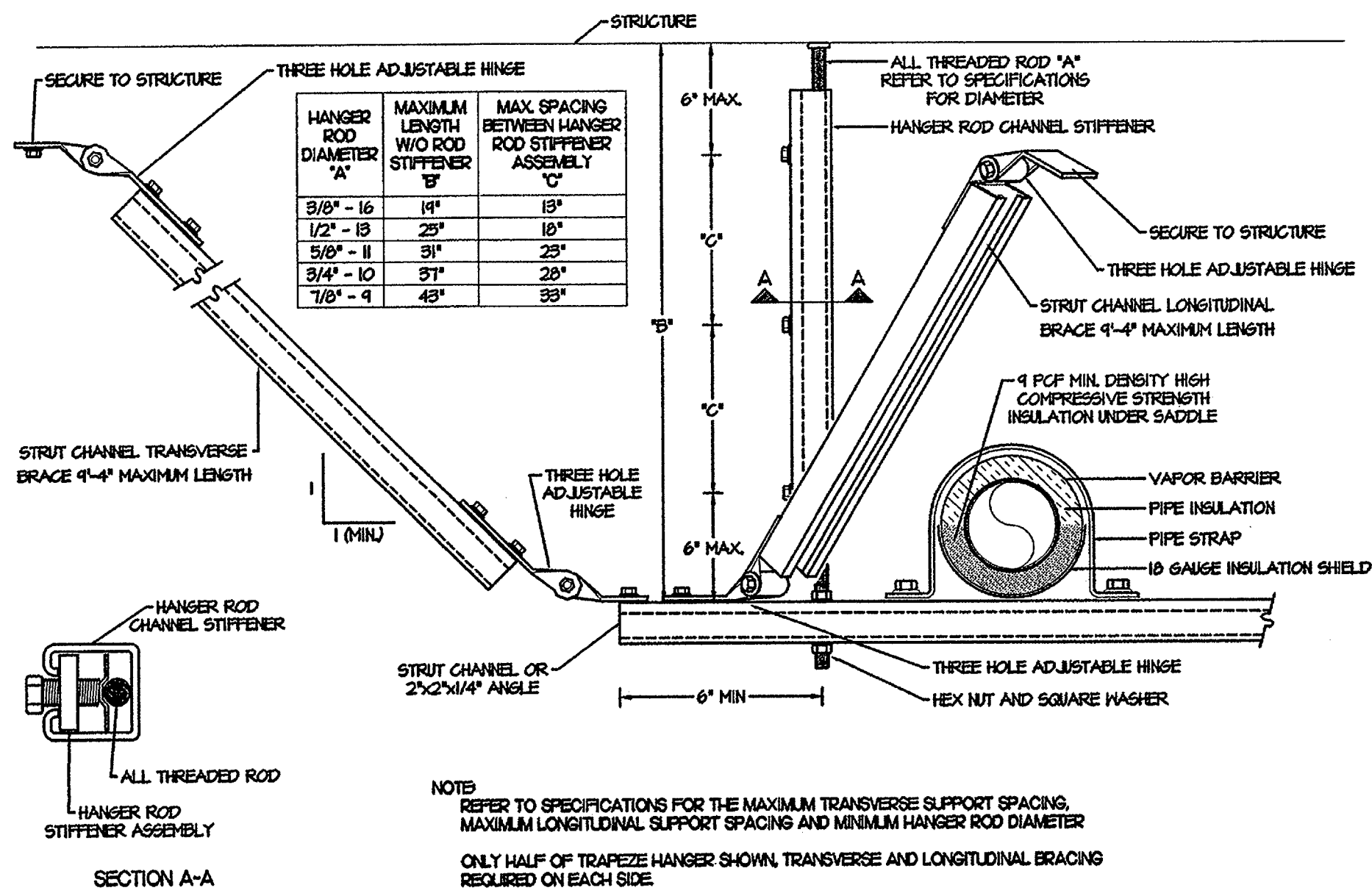
6 VALVE BOX DETAIL
NOT TO SCALE



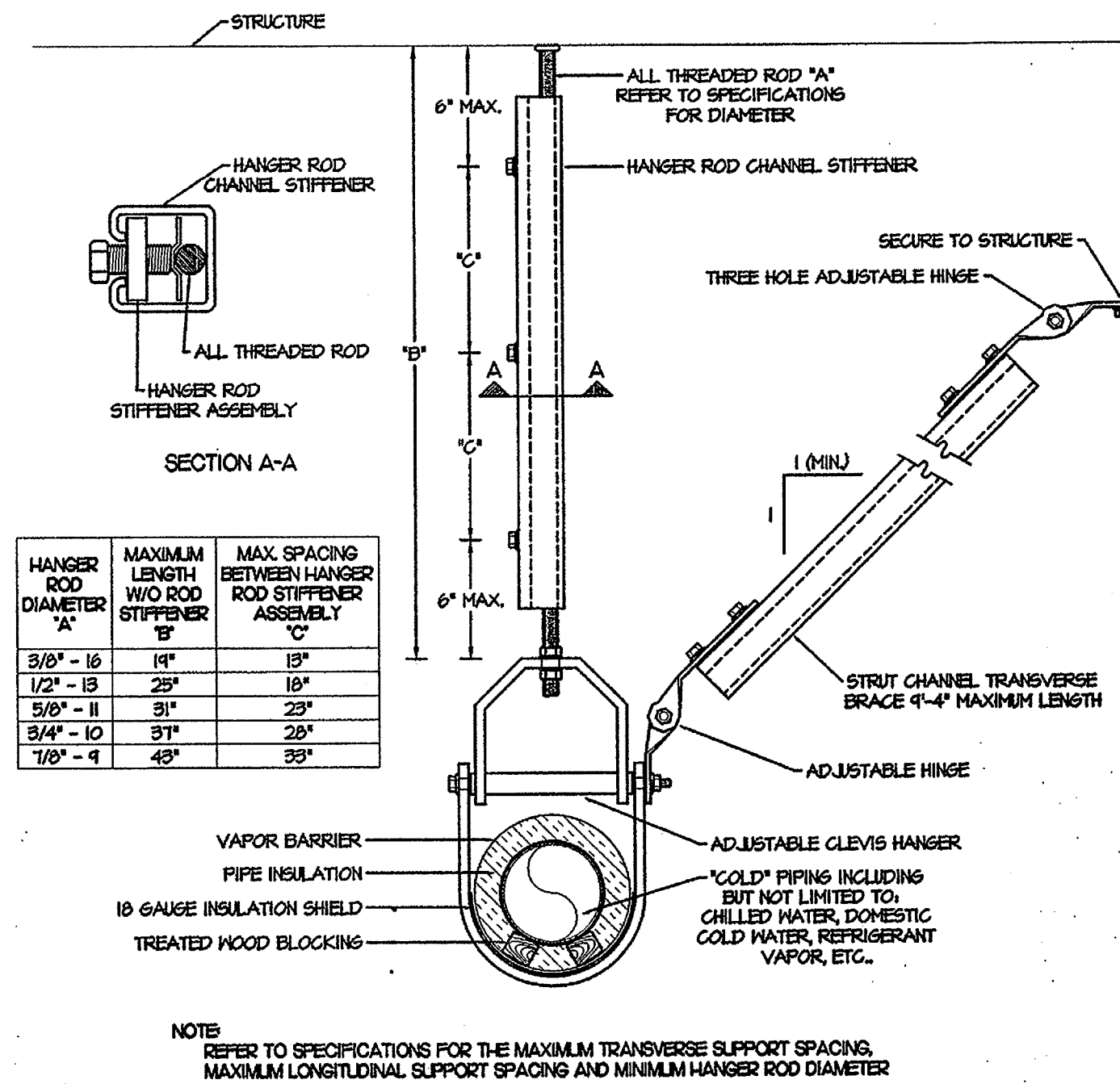
7 STEEL/HDPE TRANSITION DETAIL
SCALE 1/2" = 1'-0"

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10036
JAMES P. R. PRINN
11-5-04

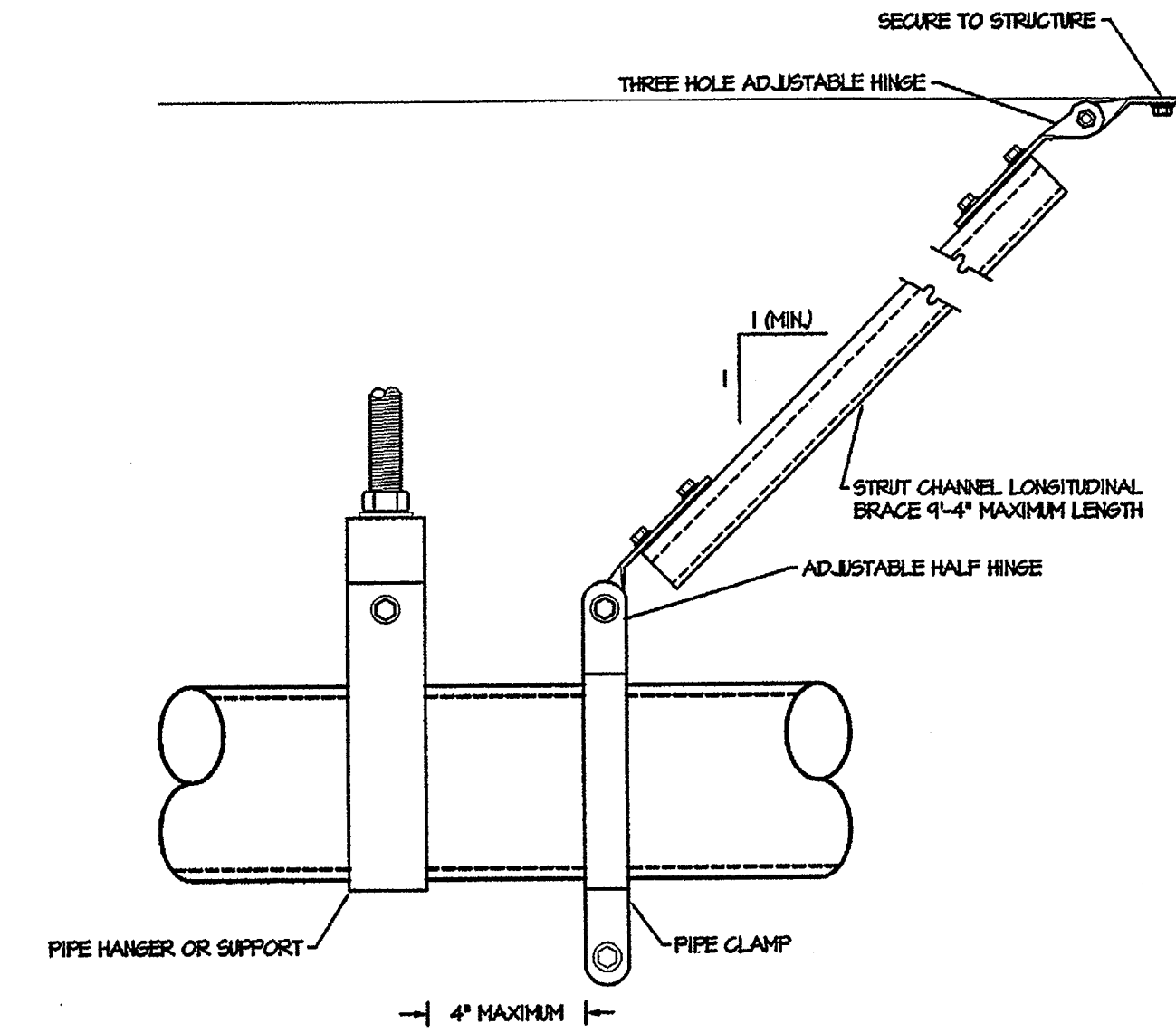
CORPORATE REGISTRATION
TME, INC.
No. 178
ARKANSAS-ENGINEER



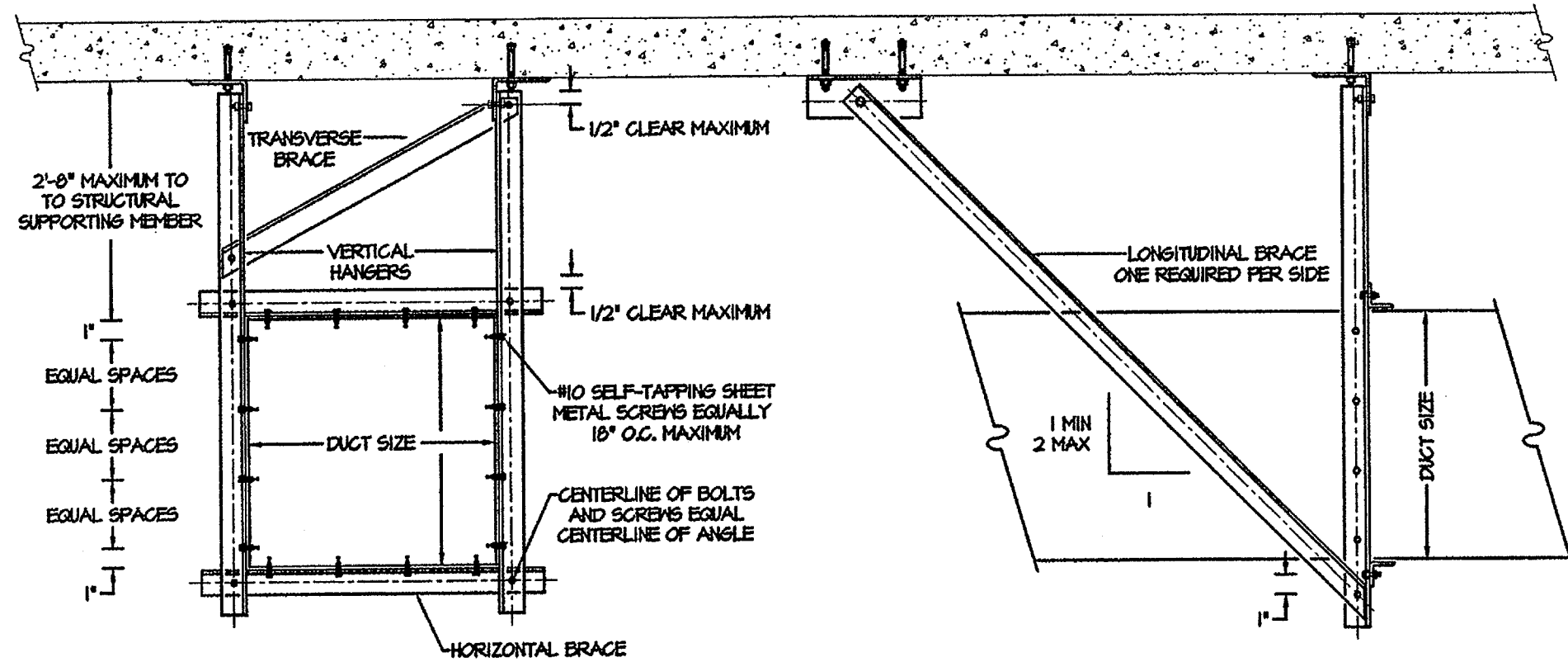
① TRAPEZE TRANSVERSE AND LONGITUDINAL BRACING DETAIL
NOT TO SCALE



② CLEVIS HANGER TRANSVERSE BRACING DETAIL
NOT TO SCALE

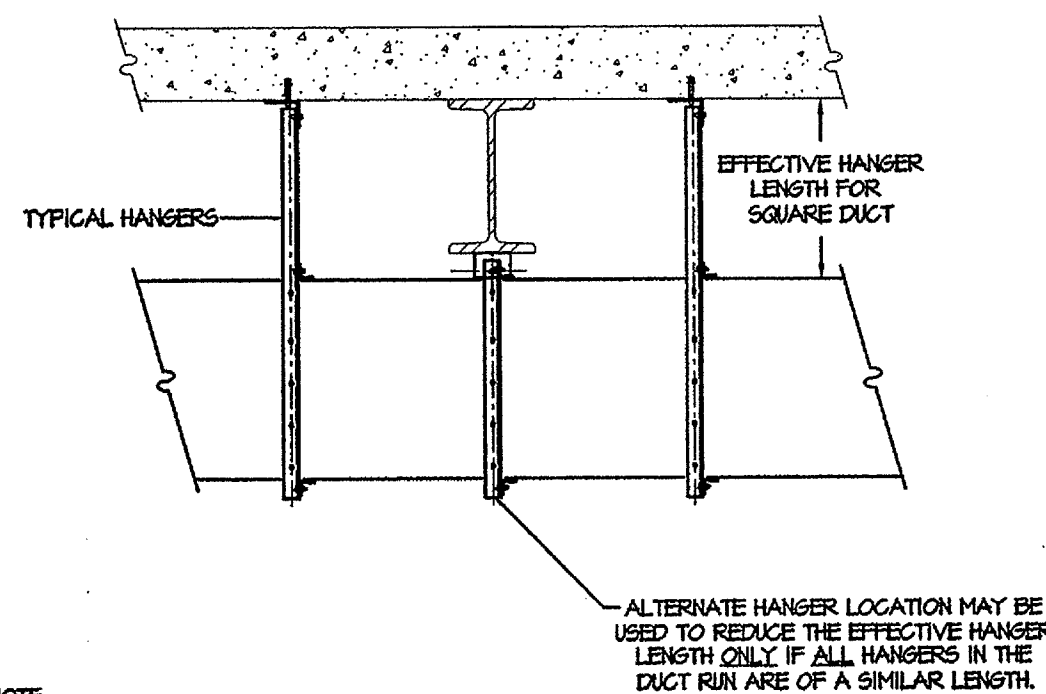


③ PIPE LONGITUDINAL BRACING DETAIL
NOT TO SCALE



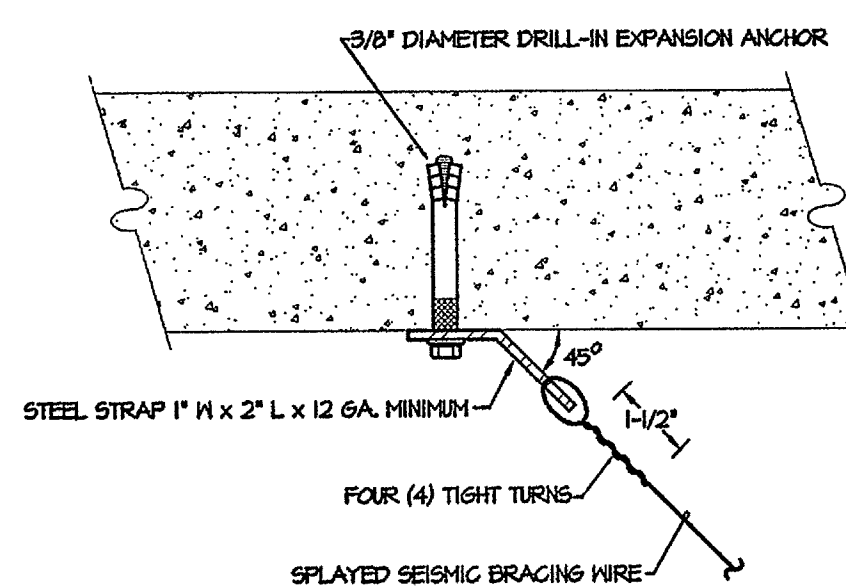
NOTE: WHEN A COMBINATION OF DUCTS IS USED IN LIEU OF ONE DUCT, AT LEAST TWO SIDES OF EACH DUCT MUST BE CONNECTED TO VERTICAL OR HORIZONTAL ANGLES AND THE COMBINED HEIGHT SHALL NOT EXCEED THAT GIVEN IN THE TABLES IN CHAPTER 5 OF SMACNA'S "SEISMIC RESTRAINT GUIDELINES FOR MECHANICAL SYSTEMS".

④ CENTER BRACING FOR RECTANGULAR DUCT DETAIL
NOT TO SCALE

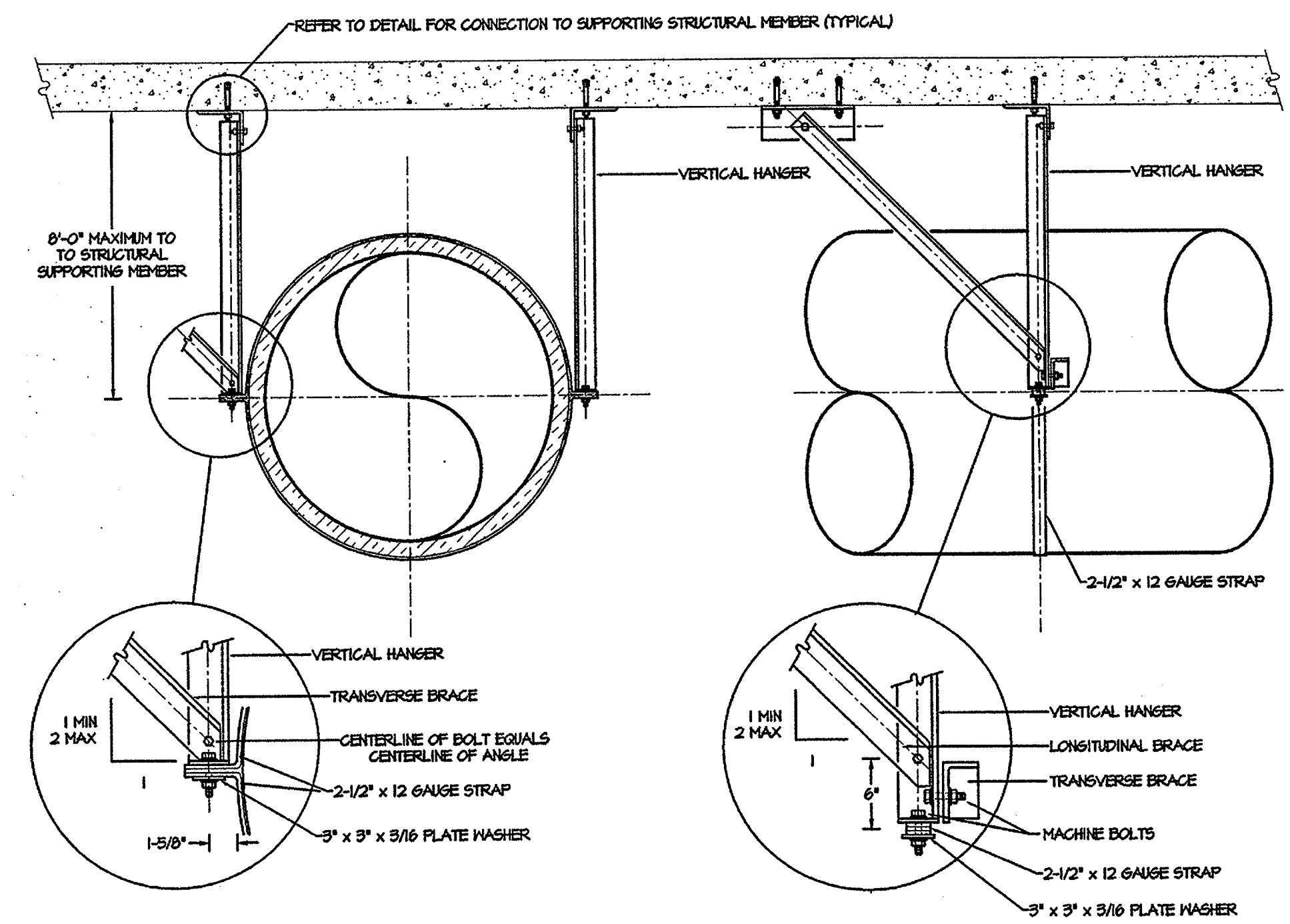


NOTE: WHERE BRACING IS OMITTED DUE TO THE 12" EXCEPTION, THE EFFECTIVE HANGER LENGTH MUST BE LESS THAN 12" AS SHOWN BELOW. A SNUG FIT TO THE BEAM DOES NOT MEET THIS REQUIREMENT.

⑤ DUCTS HUNG BELOW STEEL BEAMS DETAIL
NOT TO SCALE



⑥ BRACING WIRE ATTACHMENT DETAIL
NOT TO SCALE



⑦ DOUBLE HANGER BRACING FOR ROUND DUCT DETAIL
NOT TO SCALE

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KRENNERICH

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KRENNERICH

HVAC DETAILS

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 10036
JAMES P. R. PRINM
11-5-09

CORPORATE REGISTRATION
TME, INC.
No. 178
ARKANSAS-ENGINEER

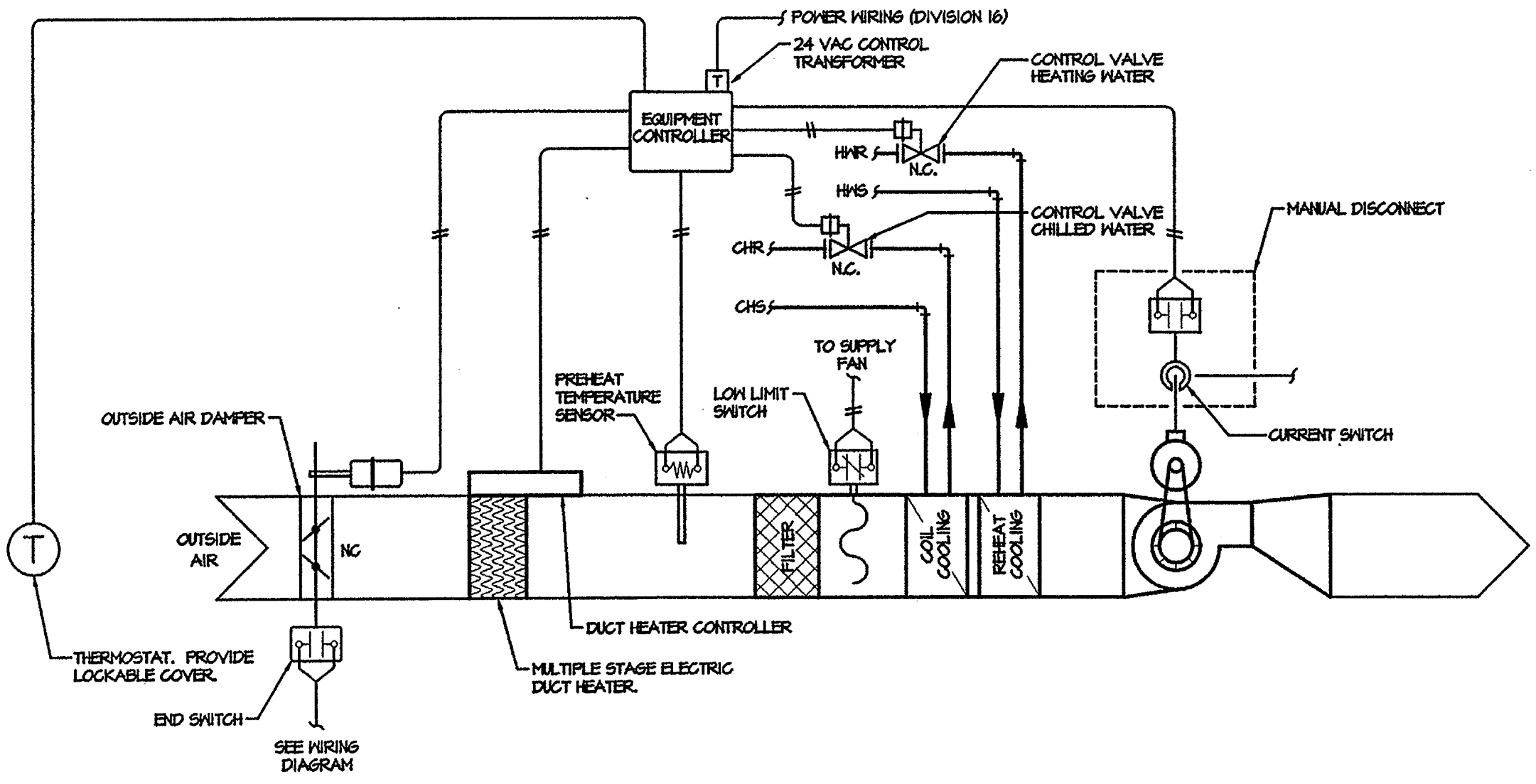
Commission No. 10404R

M40

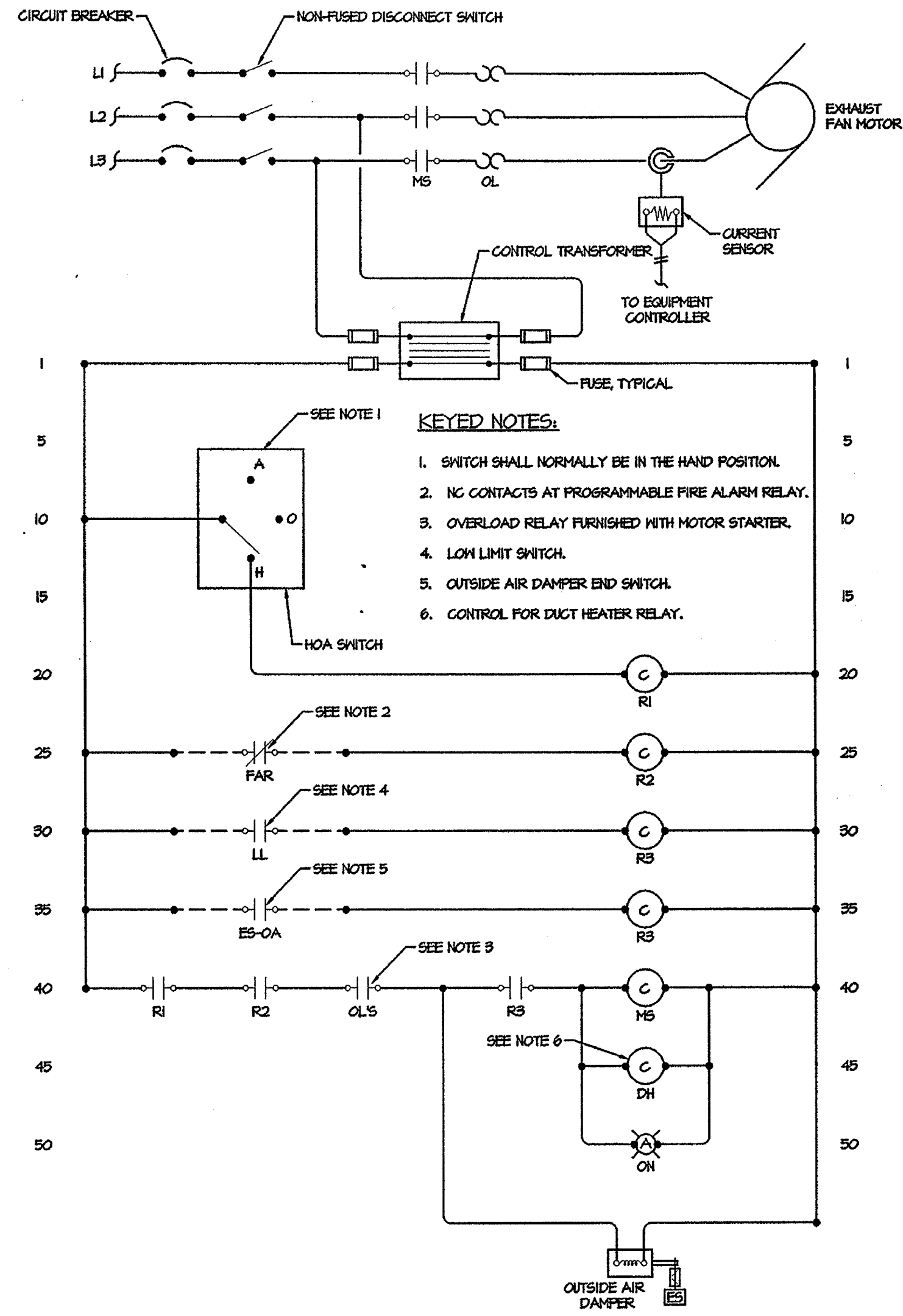
Date: November

MAKEUP AIR HANDLING UNIT SEQUENCE OF OPERATION

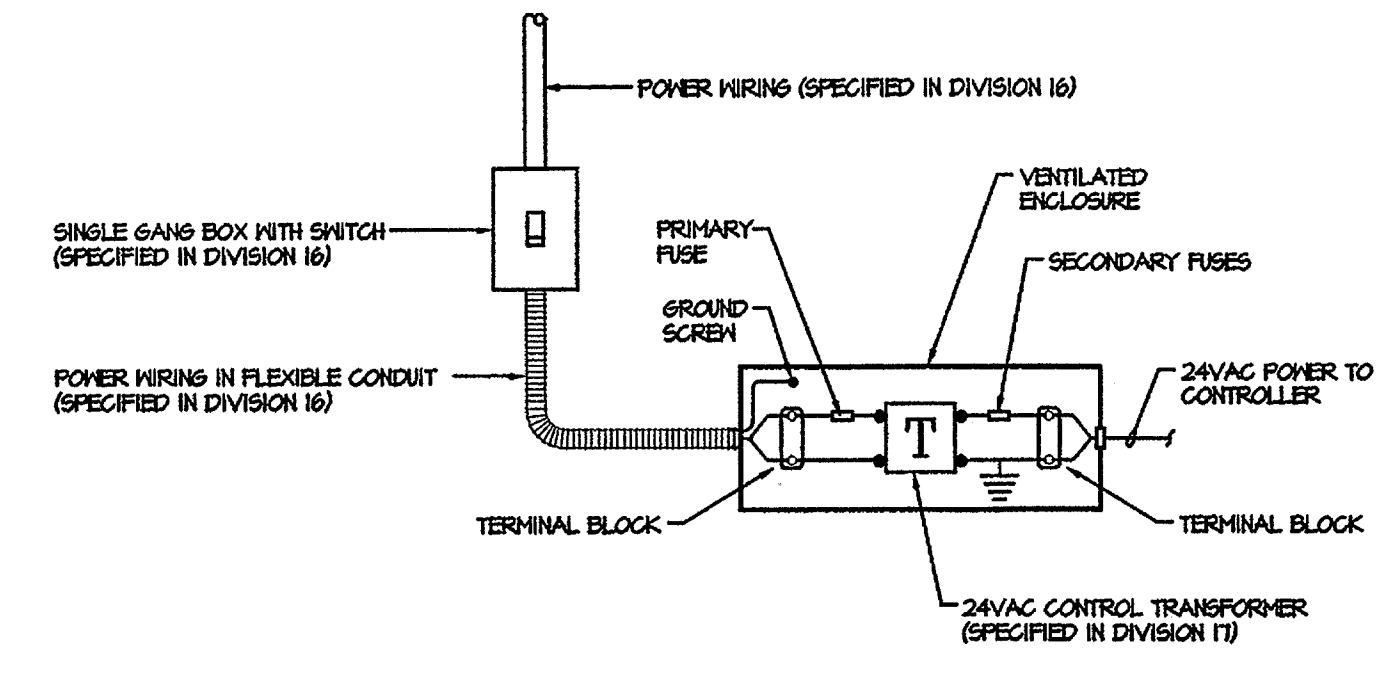
THE SUPPLY FAN SHALL BE STARTED / STOPPED THROUGH THE HOA SWITCH (SWITCH SHALL TYPICALLY BE IN THE HAND POSITION). THE AUTO OF THE HOA SWITCH WILL BE FOR FUTURE CONNECTION AND WILL NOT BE CONNECTED IN THIS PROJECT. WHEN THE SUPPLY FAN IS RUNNING, THE OUTSIDE AIR DAMPER SHALL BE OPENED. THE CHILLED WATER CONTROL VALVE SHALL BE MODULATED BY THE EQUIPMENT CONTROLLER TO MAINTAIN THE SUPPLY AIR TEMPERATURE OF 57 DEGS. F. IN HEATING MODE (CHILLED WATER VALVE IS CLOSED) THE ELECTRIC DUCT HEATER SHALL BE STAGED TO MAINTAIN A PREHEAT AIR TEMPERATURE OF 40 DEGS. F. AND THE HEATING WATER CONTROL VALVE SHALL MODULATE BY THE EQUIPMENT CONTROLLER TO MAINTAIN THE SPACE TEMPERATURE. THE SUPPLY FAN SHALL AUTOMATICALLY BE SHUT DOWN BY THE FIRE ALARM SYSTEM OR THE LOW LIMIT SWITCH SET AT 38 DEGS.F.



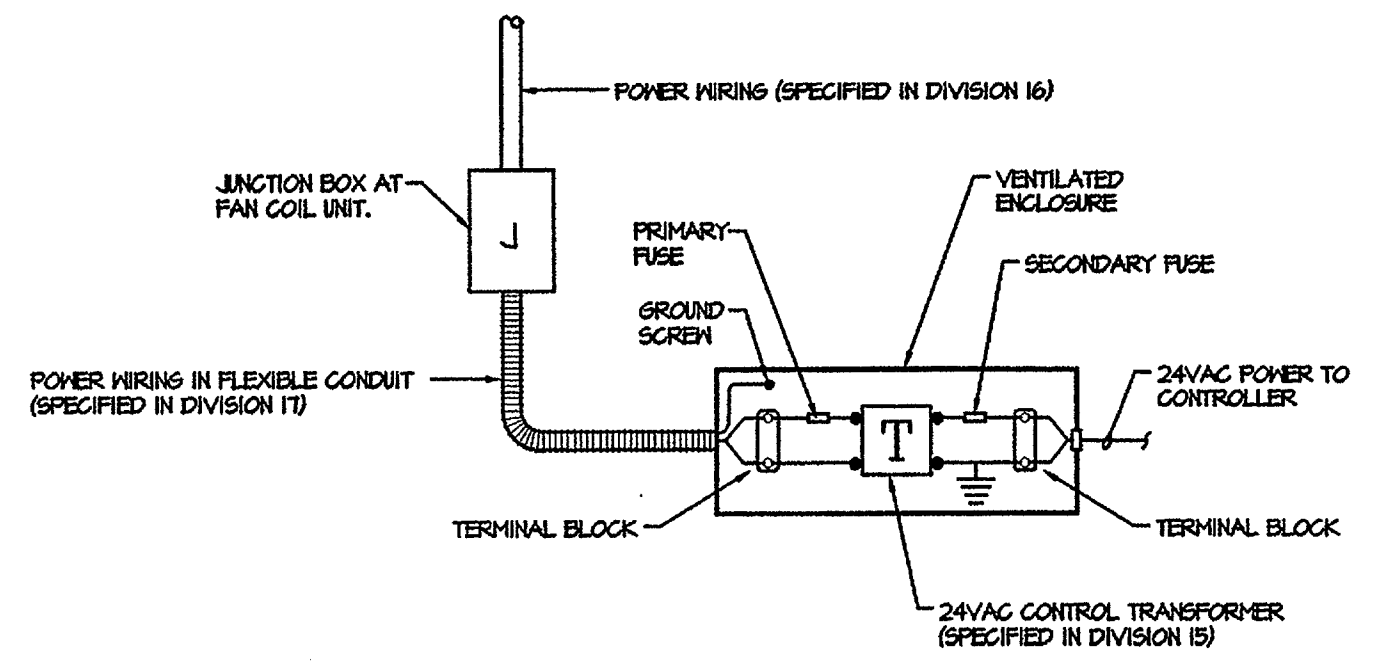
① MAKEUP AIR HANDLING UNIT
NOT TO SCALE



② MAKEUP AIR HANDLING UNIT SUPPLY FAN WIRING DIAGRAM
NOT TO SCALE



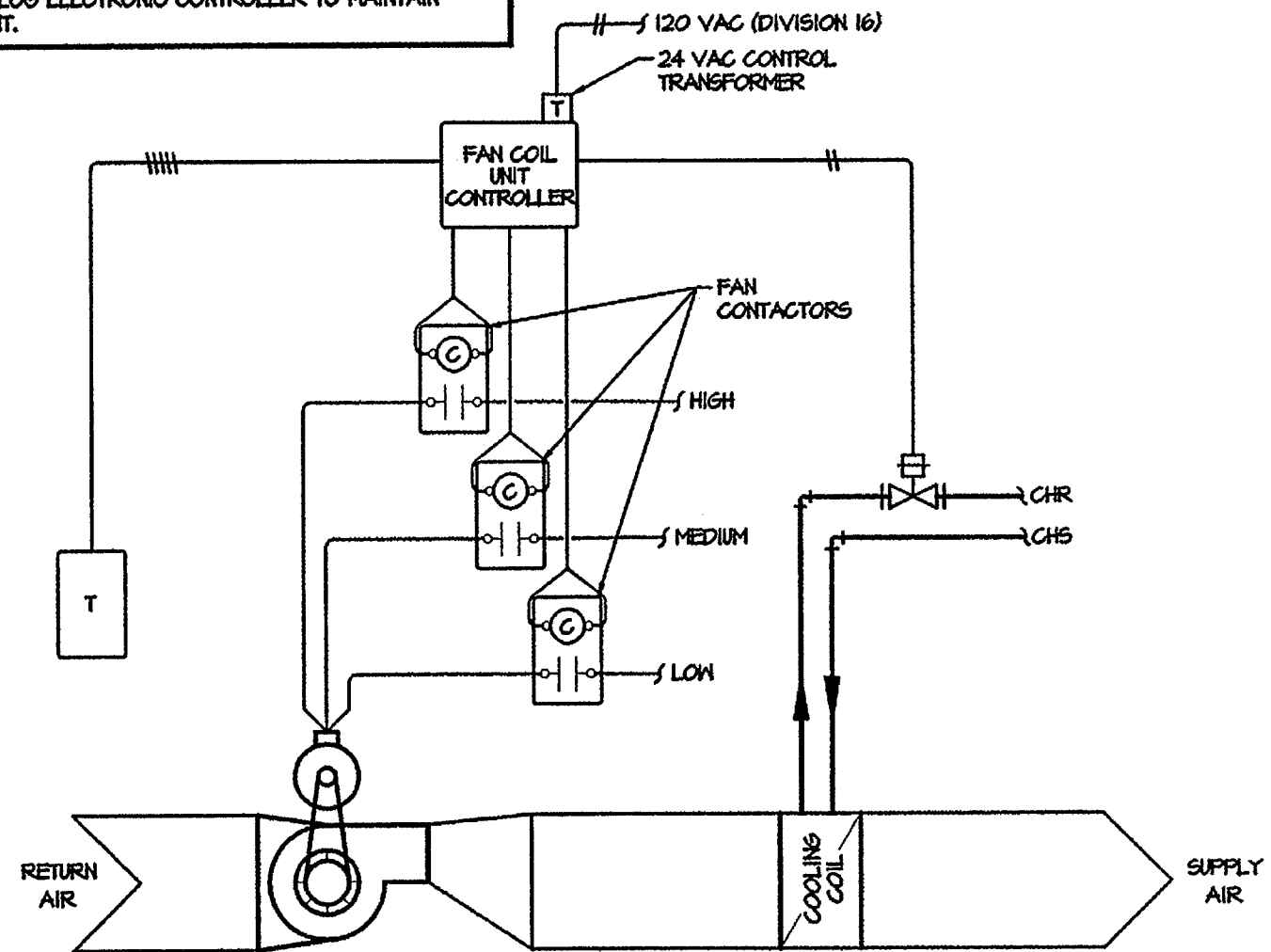
③ AIR TERMINAL CONTROLLER POWER SUPPLY DETAIL
SCALE: NOT TO SCALE



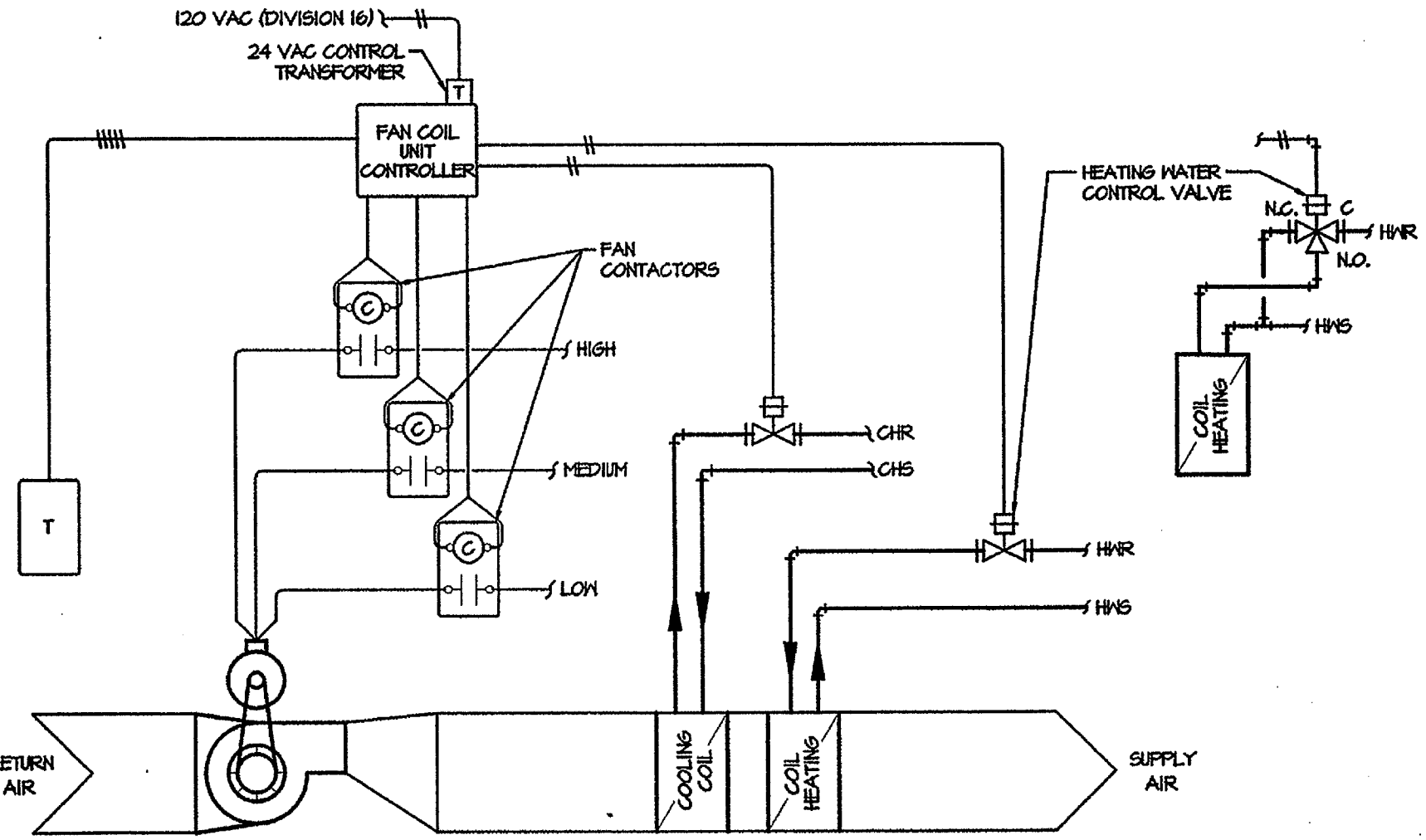
④ FAN COIL UNIT CONTROLLER POWER SUPPLY DETAIL
NOT TO SCALE

FAN COIL UNIT SEQUENCE OF OPERATION

THE FAN SPEED SHALL BE CONTROLLED BY THE USER THROUGH AN AUXILIARY SWITCH IN THE LOW VOLTAGE THERMOSTAT (SUPPLY FAN WILL TYPICALLY BE RUNNING). THE CHILLED WATER VALVE SHALL BE OPENED / CLOSED BY THE ANALOG ELECTRONIC CONTROLLER TO MAINTAIN TEMPERATURE SETPOINT.



⑤ FAN COIL UNIT CONTROL DIAGRAM (COOLING ONLY)
NOT TO SCALE



NOTE: HEATING WATER CONTROL VALVES ARE EITHER OF THE 2-WAY OR 3-WAY TYPE. REFER TO HVAC PIPING PLANS FOR 3-WAY VALVE LOCATIONS.

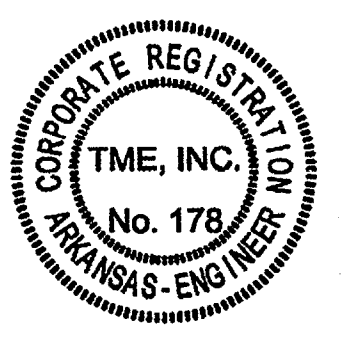
⑥ FAN COIL / BLOWER COIL UNIT CONTROL DIAGRAM (HEATING AND COOLING)
NOT TO SCALE

FAN COIL UNIT SEQUENCE OF OPERATION

THE FAN SPEED SHALL BE CONTROLLED BY THE USER THROUGH AN AUXILIARY SWITCH IN THE LOW VOLTAGE THERMOSTAT (SUPPLY FAN WILL TYPICALLY BE RUNNING). THE CHILLED WATER VALVE AND HEATING WATER VALVE SHALL BE OPENED / CLOSED BY THE ANALOG ELECTRONIC CONTROLLER TO MAINTAIN TEMPERATURE SETPOINT.

BLOWER COIL UNIT SEQUENCE OF OPERATION

THE FAN SPEED SHALL BE CONTROLLED BY THE USER THROUGH AN AUXILIARY SWITCH IN THE LOW VOLTAGE THERMOSTAT (SUPPLY FAN WILL TYPICALLY BE RUNNING). THE CHILLED WATER VALVE AND HEATING WATER VALVE SHALL BE OPENED / CLOSED BY THE ANALOG ELECTRONIC CONTROLLER TO MAINTAIN TEMPERATURE SETPOINT. WHEN THE UNIT IS IN OPERATION THE OUTSIDE AIR DAMPER SHALL BE OPEN. WHEN THE UNIT IS NOT IN OPERATION THE OUTSIDE AIR DAMPER SHALL BE CLOSED.



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Date: November

AIR DISTRIBUTION DEVICES										DESIGNATION		THROUGH		RETURN OR EXHAUST		DESIGNATION		SPECIFIED IN SECTION 15800				
DESIGNATION	REFERENCE PRODUCT	TYPE	MAXIMUM AIR FLOW (CFM)	TOTAL PRESSURE (IN. WATER)	NECK SIZE (IN.)	PANEL SIZE (IN. X IN.)	MAX. NG.	FINISH	REMARKS	THROUGH	THROUGH	RETURN OR EXHAUST	RETURN OR EXHAUST	DESIGNATION	DESIGNATION	THROUGH	THROUGH	RETURN OR EXHAUST	RETURN OR EXHAUST	DESIGNATION	DESIGNATION	
A	TUTTLE & BAILEY	SN SUPPLY LAY-IN MOUNT	100	0.02	6"φ	24"x24"	30	OFF-WHITE	FURNISH W/OBD													
B			220	0.06	8"φ																	
C			400	0.08	10"φ																	
D			550	0.09	12"φ																	
E	TSO		100	0.02	6"x6"	24"x12"			FURNISH OBD AND 6"φ ADAPTER													
F	TSO		220	0.06	8"x8"	24"x12"			FURNISH OBD AND 8"φ ADAPTER													
G	SN	SUPPLY SURFACE MOUNT	100	0.02	6"φ	24"x24"			FURNISH W/OBD													
H			220	0.06	8"φ	24"x24"																
I			400	0.08	10"φ	24"x24"																
J			550	0.09	12"φ	24"x24"																
K	TSO		125	0.03	6"x6"	12"x24"			FURNISH OBD, CEILING GASKET AND 6"φ ADAPTER													
L	TSO		220	0.06	8"x8"	12"x24"			FURNISH OBD, CEILING GASKET AND 8"φ ADAPTER													
M	RC40	SUPPLY LAY-IN SUPPLY SIDEWALL	1125	0.10	18"x18"	24"x24"			FURNISH W/OBD, 18"φ ADAPTER AND CEILING GASKET													
N	VF-5T		215	0.12	12"x6"	14"x8"			FURNISH W/OBD													
O	VF-5T		700	0.12	18"x6"	20"x8"			FURNISH W/OBD													
P	VF-5T		1050	0.12	22"x8"	24"x10"			FURNISH W/OBD													
Q	A130	SUPPLY SURFACE MOUNT	100	0.06	6"φ	12"x12"			FURNISH W/OBD													
R	A130		225	0.11	8"φ	12"x12"			FURNISH W/OBD													
S	VF-5T	SUPPLY SIDEWALL CEILING SUPPLY	250	0.12	8"x6"	10"x8"			FURNISH W/OBD													
T	A40-B		50-150	0.12	8"x4"	10"x6"			FURNISH W/OBD													
1	TUTTLE & BAILEY	RET/EXH LAY-IN MOUNT	100	0.04	6"x6"	24"x24"	30	OFF-WHITE	FURNISH OBD AND 6"φ ADAPTER													
2			200	0.04	8"x8"				FURNISH OBD AND 8"φ ADAPTER													
3			350	0.05	10"x10"				FURNISH OBD AND 10"φ ADAPTER													
4			700	0.08	12"x12"				FURNISH OBD AND 12"φ ADAPTER													
5			1000	0.09	14"x14"				FURNISH OBD AND 14"φ ADAPTER													
6			1400	0.08	22"x22"				FURNISH W/OBD													
7			100	0.02	6"x6"	24"x12"			FURNISH OBD AND 6"φ ADAPTER													
8			200	0.03	8"x8"	24"x12"			FURNISH OBD AND 8"φ ADAPTER													
9			750	0.03	22"x10"	24"x12"			FURNISH W/OBD													
10	CRESOO		3250	0.03	22"x22"	24"x24"			FURNISH W/OBD													
11	APR	RET/EXH SURFACE MOUNT	100	0.04	6"φ	12"x12"			FURNISH 8"φ ADAPTER													
12	APR		200	0.04	10"x10"	12"x12"			FURNISH OBD AND 10"φ ADAPTER													
13	T10		350	0.05	10"x10"	24"x24"			FURNISH OBD AND 12"φ ADAPTER													
14			700	0.08	12"x12"	24"x24"			FURNISH OBD AND 14"φ ADAPTER													
15			1000	0.09	14"x14"				FURNISH W/OBD AND CEILING GASKET													
16			1400	0.08	22"x22"				FURNISH OBD, CEILING GASKET AND 6"φ ADAPTER													
17			100	0.02	6"x6"	24"x12"			FURNISH OBD, CEILING GASKET AND 8"φ ADAPTER													
18			200	0.03	8"x8"	24"x12"			FURNISH W/OBD AND CEILING GASKET													
19			750	0.03	22"x10"	24"x12"			FURNISH W/OBD AND CEILING GASKET													
20	CRESOO		3250	0.03	22"x22"	24"x24"			FURNISH W/OBD AND CEILING GASKET													
21	VF-5T	RET/EXH SIDEWALL	325	0.10	12"x6"	14"x8"			FURNISH W/OBD 42" HORIZONTAL DEFLECTION													
22	VF-5T		425	0.10	18"x6"	20"x8"																
23	VF-5T		800	0.10	22"x8"	24"x10"																
24	VF-5T		1500	0.10	24"x16"	26"x18"																
25	VF-5T		800	0.10	18"x10"	20"x12"																
26	VF-5T		2100	0.10	24"x20"	26"x22"																
27	APROVF	DOOR GRILLE	2150	0.10	30"x48"	N/A																

MECHANICAL LEGEND

<ul style="list-style-type: none"> —HWS— HEATING WATER SUPPLY —HWR— HEATING WATER RETURN —CHS— CHILLED WATER SUPPLY —CHR— CHILLED WATER RETURN —DCHS— DISTRICT CHILLED WATER SUPPLY —DCHR— DISTRICT CHILLED WATER RETURN —CD— CONDENSATE DRAIN —BV— BUTTERFLY VALVE (LEVER HANDLE) —GBV— BUTTERFLY VALVE (GEAR OPERATOR) —GV— GATE VALVE —GLOBE VALVE —CV— CHECK VALVE (SWING CHECK) —CBV— CHECK VALVE (BUTTERFLY CHECK) —PRV— PRESSURE REDUCING VALVE —FLV— FLOW LIMITING VALVE —VAV— VALVE AT RISER —SV— STRAINER W/ DRAIN VALVE —UNION —CV— CONTROL VALVE (2-WAY) ELECTRIC OR ELECTRONIC —CV— CONTROL VALVE (3-WAY) ELECTRIC OR ELECTRONIC —CV— CONTROL VALVE (2-WAY) PNEUMATIC —CV— CONTROL VALVE (3-WAY) PNEUMATIC —FC— FLEXIBLE PIPE CONNECTOR —MBC— METAL BELLOWS PUMP CONNECTOR —AV— AIR VENT (A - AUTO, H - HAND) —PT— PRESSURE AND TEMPERATURE TAP —PG— PRESSURE GAUGE —PGS— PRESSURE GAUGE W/ SIPHON —TSP— THERMOMETER W/ SEP. WELL —ANCHOR —PIPE GUIDE —FLANGE —EBU— ELBOW, TURNED UP —EBD— ELBOW, TURNED DOWN —RISE OR DROP IN PIPE —TEE, SIDE CONNECTION —TEE, OUTLET UP —TEE, OUTLET DOWN —CAPPED OUTLET —CAPPED PIPE —CONCENTRIC REDUCER —ECCENTRIC REDUCER —STEAM TRAP (INV. BUCKET) —STEAM TRAP (F & T) —DIRECTION OF FITCH —TYP— TYPE - THROUGH SUPPLY AIR DEVICE —TYP— TYPE - RETURN/EXHAUST AIR DEVICE —TFD— PIPE TO FLOOR DRAIN 	<ul style="list-style-type: none"> ⊖ THERMOSTAT ⊖ THERMOSTAT WIRING ⊖ TEMPERATURE SENSOR ⊖ GPM FLUID FLOW METER ⊖ SA SUPPLY AIR DUCT ⊖ RA RETURN AIR DUCT ⊖ EH EXHAUST AIR DUCT ⊖ CFM CUBIC FEET PER MINUTE ⊖ ϕ ROUND DIAMETER ⊖ ϕ FLAT OVAL (MAJOR/MINOR) ⊖ GATE VALVE ⊖ LOW PRESSURE RADIUS ELL (RECTANGULAR OR ROUND) ⊖ HIGH PRESSURE RADIUS ELL (ROUND OR OVAL) ⊖ ELL WITH TURNING VANES ⊖ STREAMLINE TAP (RECTANGULAR) ⊖ STREAMLINE TAP (ROUND) ⊖ CONICAL TAP ⊖ MANUAL VOLUME DAMPER ⊖ MOTORIZED VOLUME DAMPER ⊖ FIRE DAMPER (FD) ⊖ SMOKE DAMPER ⊖ RECTANGULAR DUCT (WIDTH/DEPTH) ⊖ ROUND DUCT OFFSET ⊖ CHANGE IN ELEVATION (R - RISE, F - FALL) ⊖ FLEXIBLE DUCT ⊖ SUPPLY DUCT UP ⊖ RETURN DUCT UP ⊖ EXHAUST DUCT UP ⊖ SUPPLY DUCT DOWN ⊖ RETURN DUCT DOWN ⊖ EXHAUST DUCT DOWN ⊖ CEILING DIFFUSER ⊖ CAPPED PIPE ⊖ RETURN AIR GRILLE ⊖ EXHAUST AIR GRILLE ⊖ ACCESS PANEL ⊖ ACCESS PANEL IN ROUND OR OVAL DUCT ⊖ TYPE - THROUGH SUPPLY AIR DEVICE ⊖ TYPE - RETURN/EXHAUST AIR DEVICE 	<ul style="list-style-type: none"> ⊖ NEW EQUIPMENT ⊖ EXISTING EQUIPMENT ⊖ SANITARY SEWER (SS) ⊖ SANITARY VENT (V) ⊖ STORM DRAIN ⊖ COLD WATER (CW) ⊖ HOT WATER (HW) ⊖ HOT WATER RETURN (HWR) ⊖ EQUIPMENT NATURAL GAS ⊖ FIRE PROTECTION PIPING ⊖ FIRE PROTECTION DRAIN ⊖ OS & Y GATE VALVE ⊖ TAMPER SWITCH ⊖ FLOW STATION ⊖ PLUMBING FIXTURE ⊖ FLOOR DRAIN ⊖ ROOF DRAIN ⊖ VENT THRU ROOF ⊖ FLOOR CLEANOUT ⊖ GLEANOUT FLUG ⊖ FLOOR CLEANOUT ⊖ HALL CLEANOUT ⊖ CLEANOUT TO GRADE ⊖ RISER NUMBER } RISER DESIGNATION ⊖ SHEET NUMBER }
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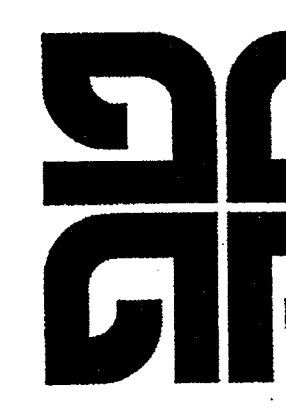
ELECTRIC DUCT HEATERS SPECIFIED IN DIVISION 15600

DESIGNATION	REFERENCE PRODUCT	BUILDING #	SERVES	DUCT DIMENSION (H X W)	HEATING CAPACITY (MBH)	AIR FLOW RATE (CFM)	FACE VELOCITY (FT/MIN)	AIR PRESSURE DROP (INCHES W.C.)	AIR ED/BD/DB (DES. F)	VOLTS/PHASE/AMPS	REMARKS
EDH-1	MARKEL OPEN COIL	1	MAU-1	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-2	MARKEL OPEN COIL	1	MAU-2	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-3	MARKEL OPEN COIL	1	MAU-3	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-21	MARKEL OPEN COIL	2	MAU-21	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-22	MARKEL OPEN COIL	2	MAU-22	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-23	MARKEL OPEN COIL	2	MAU-23	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-31	MARKEL OPEN COIL	3	MAU-31	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-32	MARKEL OPEN COIL	3	MAU-32	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-33	MARKEL OPEN COIL	3	MAU-33	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-41	MARKEL OPEN COIL	4	MAU-41	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-42	MARKEL OPEN COIL	4	MAU-42	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-43	MARKEL OPEN COIL	4	MAU-43	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-51	MARKEL OPEN COIL	5	MAU-51	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-52	MARKEL OPEN COIL	5	MAU-52	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	
EDH-53	MARKEL OPEN COIL	5	MAU-53	20 / 12	515	1050	670	0.14	10 / 43	208 / 3 / 30.5	

DUCTLESS HEAT PUMP SPECIFIED IN SECTION 15600

DESIGNATION	REFERENCE PRODUCT	TYPE	SERVES	COOLING				HEATING		FAN		ELECTRICAL		REMARKS
				AIR FLOW RATE (CFM)	SENSIBLE/TOTAL CAPACITY (MBH)	AIR ED/BD/DB (DES. F)	AIR LD/BL/DB (DES. F)	MINIMUM SEER	HEATING CAPACITY (MBH)	BACKUP STRIP HEATER (KW)	SPEED (RPM)	MOTOR HP	VOLTS / PHASE	
DHP-1	SANYO 24K3522	DUCTLESS SPLIT HEAT PUMP	COMMONS BUILDING IT ROOM	540	21 / 12.1	80 / 61	51.1 / 54.4	10.0	24.3	1.5	1281	1/25	208 / 1	50

EXHAUST FANS SPECIFIED IN SECTION 15600



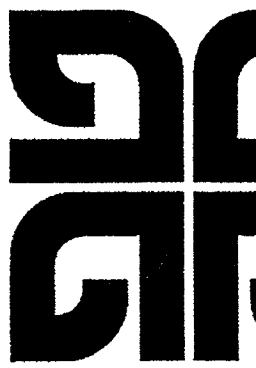
FAN COIL UNITS - FOUR PIPE - BUILDING 2				COOLING										HEATING					ELECTRICAL			SPECIFIED INSECTION 15600
DESIGNATION	REFERENCE PRODUCT	TYPE	SERVES	AIR FLOW RATE (CFM)	EXTERNAL PRESSURE (IN. WATER)	FILTER TYPE	SENSIBLE/TOTAL CAPACITY (MBH)	COOLING COIL ROWS	AIR EDB/DBS (DEG. F)	WATER FLOW RATE (GPM)	WATER ENT/LMT (DEG. F)	WATER PRESSURE DROP (FT. WATER)	TOTAL CAPACITY (MBH)	HEATING COIL ROWS	AIR EDB/LDB (DEG. F)	WATER FLOW RATE (GPM)	WATER ENT/LMT (DEG. F)	WATER PRESSURE DROP (FT. WATER)	VOLTS / PHASE	WATTS / AMPS	REMARKS	
FCU - 211	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE HIGH STATIC MOTOR AND FACTORY INSTALLED PIPING PACKAGE WHICH INCLUDES ISOLATION VALVES, STRAINER, FLOW LIMITING DEVICE, MANUAL AIR VENT. AND CONTROL VALVES (SEE PLANS FOR TWO-WAY OR THREE-WAY CONFIGURATION).	
FCU - 212	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 213	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 214	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 215	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 216	TRANE FCEB10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 217	TRANE FCEB10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 218	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 219	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 210	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 2111	TRANE FCEB10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 2112	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2113	TRANE FCEB10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2114	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2115	TRANE	HORIZONTAL HIDEAWAY	ELECTRIC ROOM AND TELE/DATA ROOM	348	0.1	1" THROWAWAY	8.4 / 12.5	3	80 / 61	2.62	45 / 55	11.3	N/A	N/A	N/A	N/A	N/A	N/A	115 / 1	110 / 2.6	COOLING ONLY	
FCU - 221	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 222	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 223	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 224	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 225	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 226	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 227	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 228	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 229	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2210	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 2211	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 2212	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2213	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2214	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2215	TRANE	HORIZONTAL HIDEAWAY	ELECTRIC ROOM AND TELE/DATA ROOM	348	0.1	1" THROWAWAY	8.4 / 12.5	3	80 / 61	2.62	45 / 55	11.3	N/A	N/A	N/A	N/A	N/A	N/A	115 / 1	110 / 2.6	COOLING ONLY	
FCU - 231	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 232	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 233	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 234	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 235	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 236	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 237	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 238	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 239	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2310	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 2311	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE	
FCU - 2312	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2313	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2314	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	5.5	45 / 55.1	4.01	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4		
FCU - 2315	TRANE	HORIZONTAL HIDEAWAY	ELECTRIC ROOM AND TELE/DATA ROOM	348	0.1	1" THROWAWAY	8.4 / 12.5	3	80 / 61	2.62	45 / 55	11.3	N/A	N/A	N/A	N/A	N/A	N/A	115 / 1	110 / 2.6	COOLING ONLY	



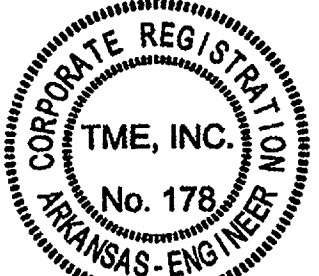
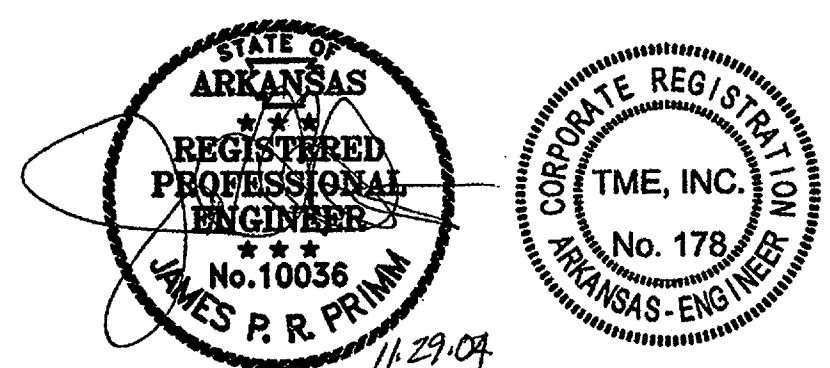
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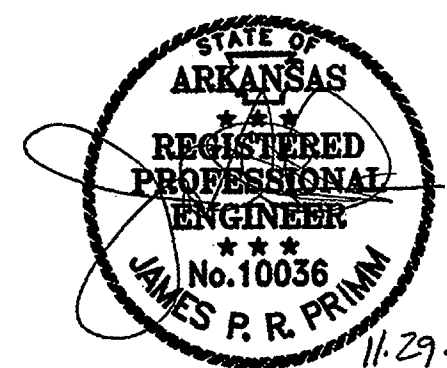
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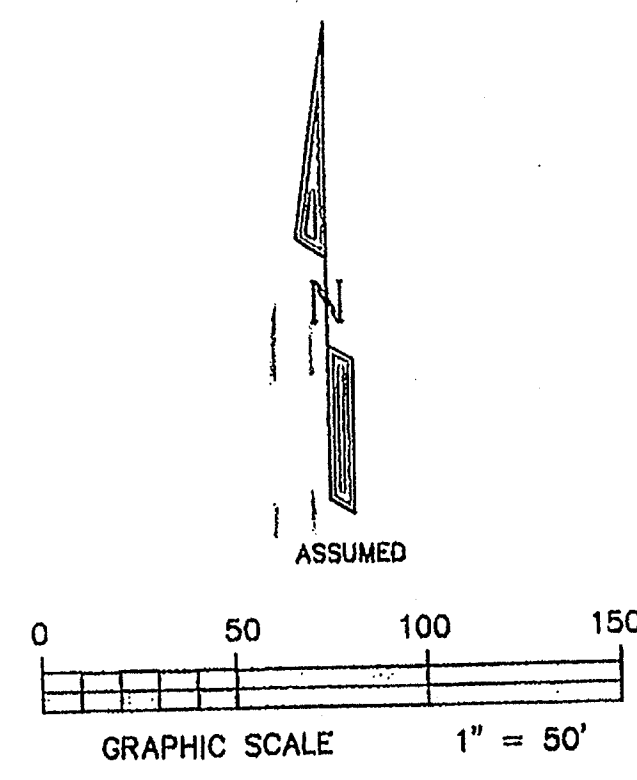


FAN COIL UNITS - FOUR PIPE - BUILDING 3							COOLING							HEATING							ELECTRICAL		SPECIFIED IN SECTION 15600
DESIGNATION	REFERENCE PRODUCT	TYPE	SERVES	AIR FLOW RATE (CFM)	EXTERNAL PRESSURE (IN. WATER)	FILTER TYPE	SENSIBLE/TOTAL CAPACITY (BTU/H)	COOLING COIL ROWS	AIR EBD/EBD (DEG. F)	WATER FLOW RATE (GPM)	WATER ENTHALPY (DEG. F)	WATER PRESSURE DROP (FT. WATER)	TOTAL CAPACITY (BTU/H)	HEATING COIL ROWS	AIR EBD/EBD (DEG. F)	WATER FLOW RATE (GPM)	WATER ENTHALPY (DEG. F)	WATER PRESSURE DROP (FT. WATER)	VOLTS / PHASE	WATTS / AMPS	REMARKS		
FCU - 311	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE HIGH STATIC MOTOR AND FACTORY INSTALLED PIPING PACKAGE WHICH INCLUDES ISOLATION VALVES, STRAINER, FLOW LIMITING DEVICE, MANUAL AIR VENT, AND CONTROL VALVES (SEE BLANS FOR TWO-WAY OR THREE-WAY CONFIGURATION).		
FCU - 312	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 313	TRANE FCEB10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 314	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 315	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 316	TRANE FCEB10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 317	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 318	TRANE FCEB10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 319	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 320	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 321	TRANE FCEB10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 322	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 323	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 324	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 325	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 326	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 327	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 328	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 329	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 330	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 331	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 332	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 333	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 334	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 335	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 336	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 337	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 338	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 339	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 340	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE		
FCU - 341	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 342	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 343	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 344	TRANE FCEB10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 67	5.5	45 / 55.1	4.07	32.7	1	65 / 104	1.5	180 / 136	12.5	115 / 1	365 / 6.4			
FCU - 345	TRANE FCEB10	HORIZONTAL RECESSED	ELECTRIC ROOM AND TELE/ DATA ROOM	348	0.1	1" THROWAWAY	8.9 / 12.5	3	80 / 67	2.62	45 / 55	11.3	N/A	N/A	N/A	N/A	N/A	N/A	115 / 1	170 / 2.6	COOLING ONLY		

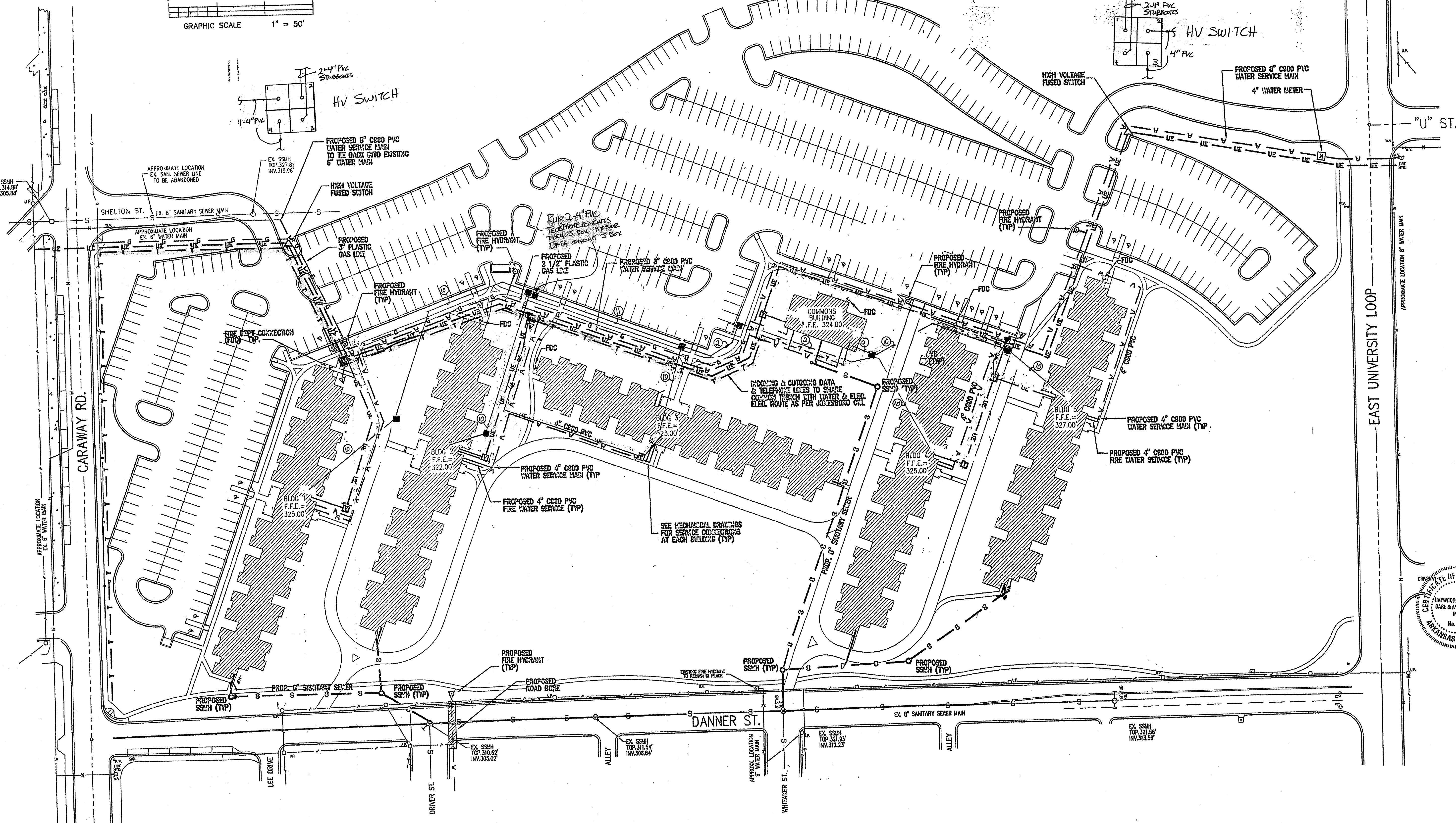
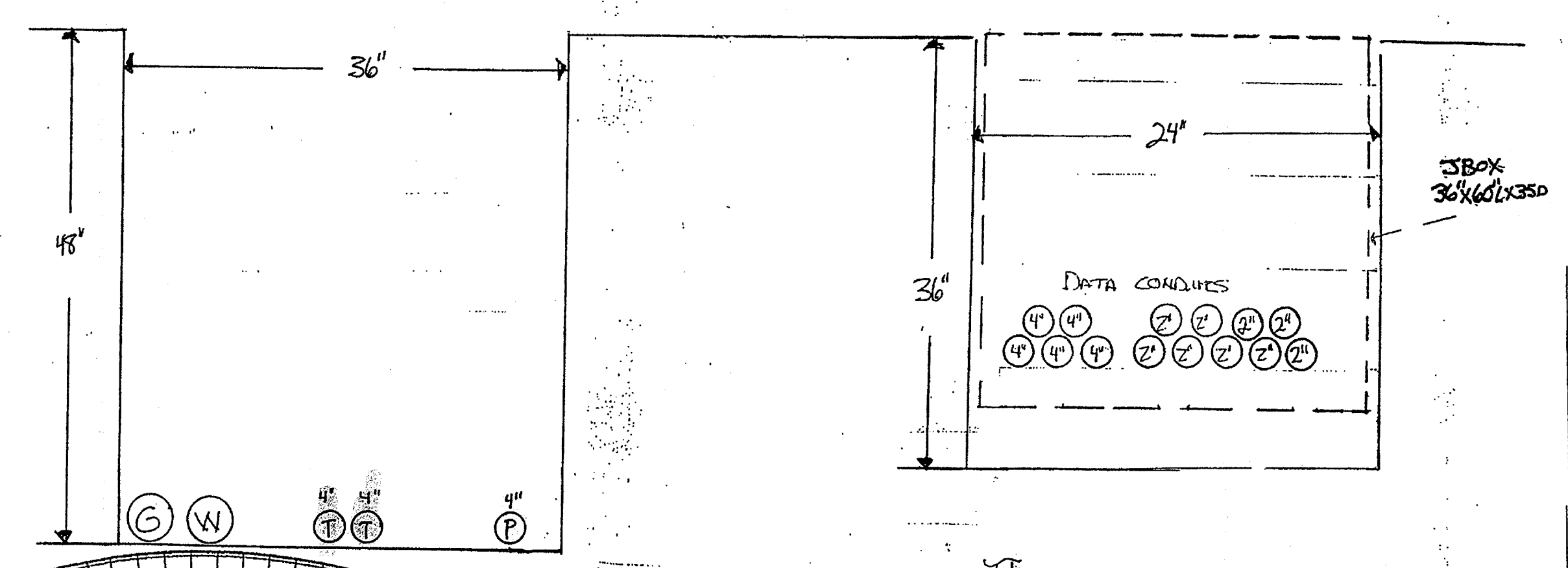


FAN COIL UNITS - FOUR PIPE - BUILDING 4				COOLING										HEATING				ELECTRICAL		SPECIFIED IN SECTION 15600	
DESIGNATION	REFERENCE PRODUCT	TYPE	SERVES	AIR FLOW RATE (CFM)	EXTERNAL PRESSURE (IN. WATER)	FILTER TYPE	SENSIBLE/TOTAL CAPACITY (MEW)	COOLING COIL ROWS	AIR EDB/DB (DEG. F)	WATER FLOW RATE (GPM)	WATER ENTALPT (DEG. F)	WATER PRESSURE DROP (FT. WATER)	TOTAL CAPACITY (MEW)	HEATING COIL ROWS	AIR EDB/DB (DEG. F)	WATER FLOW RATE (GPM)	WATER ENTALPT (DEG. F)	WATER PRESSURE DROP (FT. WATER)	VOLTS / PHASE	WATTS / AMP'S	REMARKS
FCU - 411	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE HIGH STATIC MOTOR AND FACTORY INSTALLED PIPING PACKAGE WHICH INCLUDES ISOLATION VALVES, STRAINER, FLOW LIMITING DEVICE, MANUAL AIR VENT, AND CONTROL VALVES (SEE PLANS FOR TWO-WAY OR THREE-WAY CONFIGURATION)
FCU - 412	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 413	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 414	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 415	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 416	TRANE FC8B10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 417	TRANE FC8B10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 418	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 419	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 410	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 411	TRANE FC8B10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 412	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 413	TRANE FC8B10	HORIZONTAL RECESSED	QUAD ADA	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 414	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 415	TRANE FC8B10	HORIZONTAL RECESSED	ELECTRIC ROOM AND TELE/DATA ROOM	348	0.1	1" THROWAWAY	8.9 / 12.5	3	80 / 61	26.2	45 / 55	11.3	N/A	N/A	N/A	N/A	N/A	N/A	115 / 1	170 / 2.6	COOLING ONLY
FCU - 421	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 422	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 423	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 424	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 425	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 426	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 427	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 428	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 429	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 420	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 421	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 422	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 423	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 424	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 425	TRANE FC8B10	HORIZONTAL RECESSED	ELECTRIC ROOM AND TELE/DATA ROOM	348	0.1	1" THROWAWAY	8.9 / 12.5	3	80 / 61	26.2	45 / 55	11.3	N/A	N/A	N/A	N/A	N/A	115 / 1	170 / 2.6	COOLING ONLY	
FCU - 431	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 432	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 433	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 434	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 435	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 436	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 437	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 438	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 439	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 440	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 441	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	PROVIDE WITH 3-WAY CONTROL VALVE
FCU - 442	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 443	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 444	TRANE FC8B10	HORIZONTAL RECESSED	QUAD	T10	0.18	1" THROWAWAY	18.6 / 26.5	3	80 / 61	55	45 / 55.1	4.01	32.1	1	65 / 104	15	180 / 136	125	115 / 1	365 / 6.4	
FCU - 445	TRANE FC8B10	HORIZONTAL RECESSED	ELECTRIC ROOM AND TELE/DATA ROOM	348	0.1	1" THROWAWAY	8.9 / 12.5	3	80 / 61	26.2	45 / 55	11.3	N/A	N/A	N/A	N/A	N/A	115 / 1	170 / 2.6	COOLING ONLY	





- ① 3-4" COND + 5-2" COND
 - ② 1-4" COND + 2-2" COND
 - ③ 2-4" COND + 4-2" COND
 - ④ 5-4" COND + 9-2" COND
 - ▽ CWTL S Box ABOVE GRADE FOR PRIMARY TYP OF 3 11"X53"
-



NEW RESIDENCE HALL
 COMMUNITY
 ARKANSAS STATE UNIVERSITY

BO
 BRACKETT
 KRENNERICH



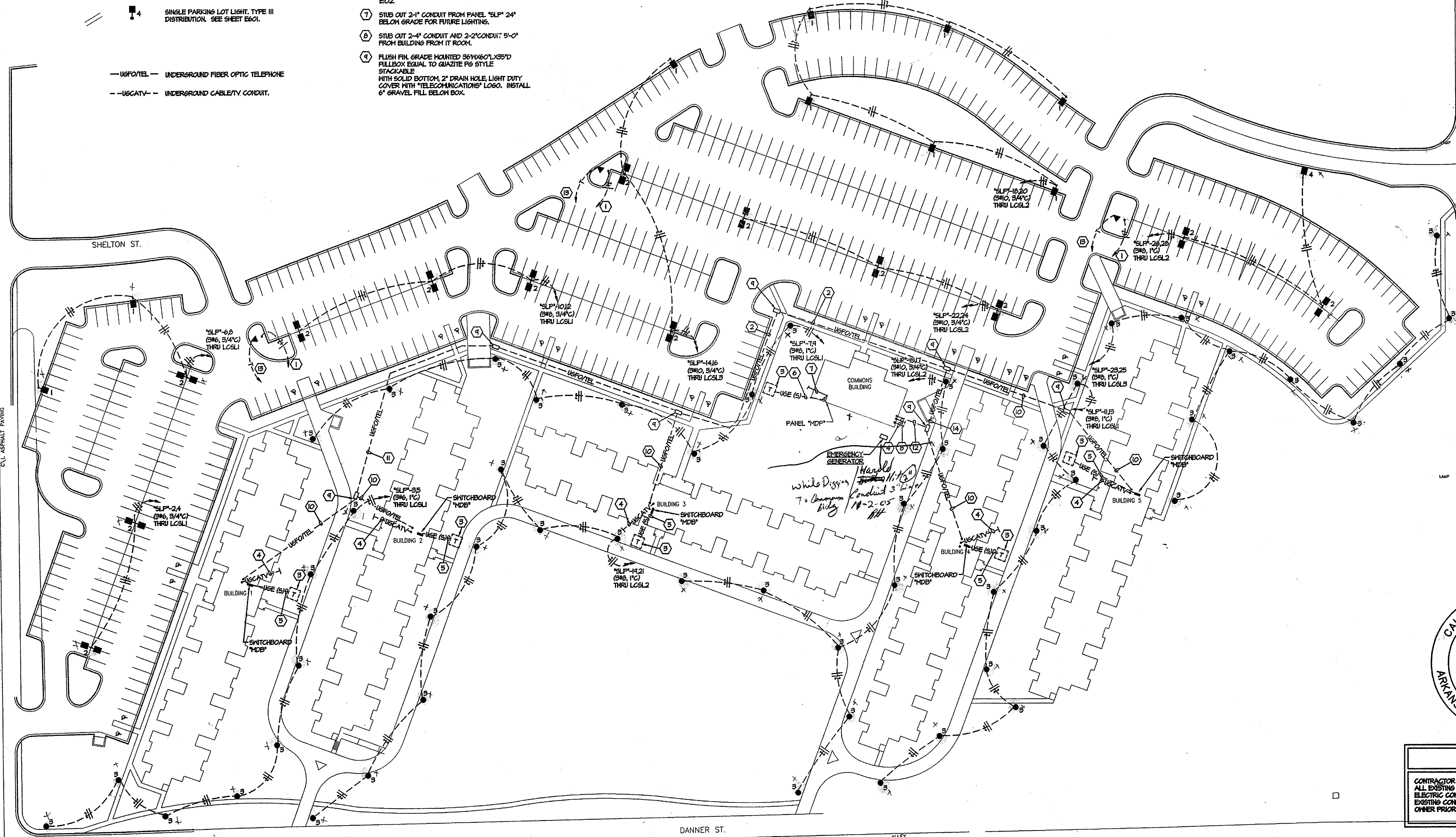
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 Date: November 23
 REV. DECEMBER 14
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SYMBOLS SCHEDULE

- USE(S)-- UNDERGROUND ELECTRICAL SECONDARY.
- [T] PAD MOUNTED UTILITY TRANSFORMER.
- UNDERGROUND ELECTRICAL BRANCH CIRCUIT NOT LES, NEUTRAL, AND EQUIPMENT GROUND DENOTED.
- BRANCH CIRCUIT HOMERUN, PANEL AND CIRCUIT NUMBER DENOTED.
- [L] SINGLE PARKING LOT LIGHT. SEE SHEET E601.
- [L] DOUBLE PARKING LOT LIGHT. SEE SHEET E601.
- [P] POST TOP HD SIDEWALK LIGHT. OWNER FURNISHED CONTRACTOR INSTALLED.
- [L] SINGLE PARKING LOT LIGHT, TYPE III DISTRIBUTION. SEE SHEET E601.
- USFO/TEL-- UNDERGROUND FIBER OPTIC TELEPHONE
- USCATV-- UNDERGROUND CABLE/TV CONDUIT.

KEYED ELECTRICAL NOTES

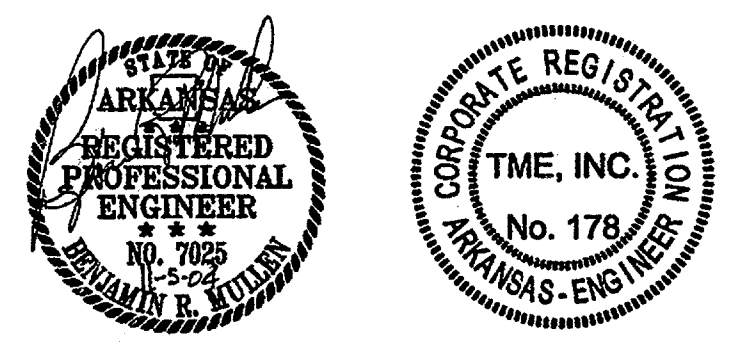
- 1 120 VOLT CIRCUIT FOR EMERGENCY TELEPHONE. VERIFY EXACT LOCATION WITH OWNER. ROUTE CIRCUIT TO NEAREST BUILDING PANEL. SPARE CIRCUIT BREAKER FIRST FLOOR.
- 2 3-4" WITH 3-200 PAIR TELEPHONE CABLES. 3-2" WITH 3-1/2" HYBRID F.O. CABLES. 2 SPARE 2" C.
- 3 PAD MOUNTED TRANSFORMER AND CONCRETE PAD BY CITY WATER AND LIGHT.
- 4 4" CONDUIT WITH FILLWIRE FOR CATV SERVICE. 18" BELOW FINISHED GRADE ROUTE TO WITHIN 36" OF UNDERGROUND ELECTRICAL PRIMARY.
- 5 REFER TO SECONDARY TRENCH DETAIL #1 SHEET E602.
- 6 REFER TO SECONDARY TRENCH DETAIL #2 SHEET E602.
- 7 STUB OUT 2-1" CONDUIT FROM PANEL "SLP" 2-4" BELOW GRADE FOR FUTURE LIGHTING.
- 8 STUB OUT 2-4" CONDUIT AND 2-2" CONDUIT 5'-0" FROM BUILDING FROM IT ROOM.
- 9 FLUSH FIN. GRADE MOUNTED 36"X60"X35"D FULL BOX EQUAL TO QUARTZ PG STYLE STACKABLE WITH SOLID BOTTOM, 2" DRAIN HOLE, LIGHT DUTY COVER WITH "TELECOMMUNICATIONS" LOGO. INSTALL 6" GRAVEL FILL BELOW BOX.
- 10 1-4" WITH 200 PAIR TELEPHONE CABLE. 1-2" WITH 1/2" HYBRID F.O. CABLE. 1 SPARE 2" C.
- 11 2-4" WITH 2-200 PAIR TELEPHONE CABLES. 2-2" WITH 2-1/2" HYBRID F.O. CABLES. 2 SPARE 2" C.
- 12 5-4" WITH 5-200 PAIR TELEPHONE CABLES. 5-2" WITH 5-1/2" HYBRID F.O. CABLES. 4 SPARE 2" C.
- 13 4 PAIR TELEPHONE CABLE 1" TO COMMONS IT CLOSET FOR EMERGENCY TELEPHONE. VERIFY EXACT LOCATION OF EMERGENCY PHONE WITH OWNER.
- 14 4-4" WITH 4-200 PAIR TELEPHONE CABLES. 4-2" WITH 4-1/2" HYBRID F.O. CABLES. 3 SPARE 2" C.



CAUTION III
CONTRACTOR MUST HAVE ONE CALL LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO TRENCHING OR BORING. ELECTRIC CONTRACTOR MUST LOCATE AND MARK ALL EXISTING CONDUITS AND PIPES OWNED BY PROPERTY OWNER PRIOR TO TRENCHING OR BORING.

NOTE:
ELECTRIC CONTRACTOR TO PAY ALL COSTS INCURRED BY SERVING UTILITIES FOR ALL NEW AND RELOCATED UTILITY SERVICES TO EACH BUILDING AND ON SITE.

1 SITE PLAN - ELECTRICAL
SCALE 1" = 60'-0"



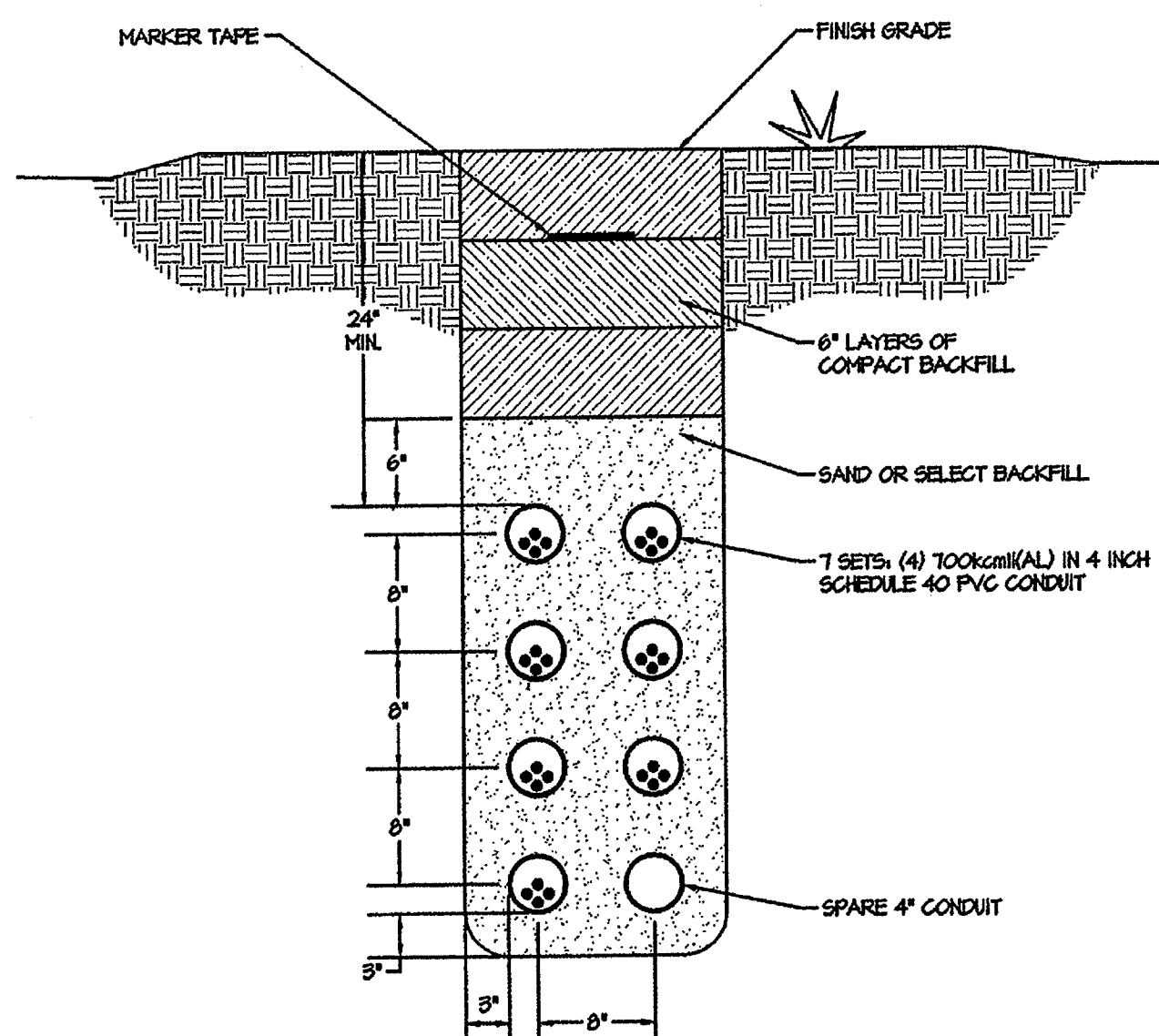
NEW RESIDENCE HALL
COMMUNITY



BRACKETT
KRENNERICH

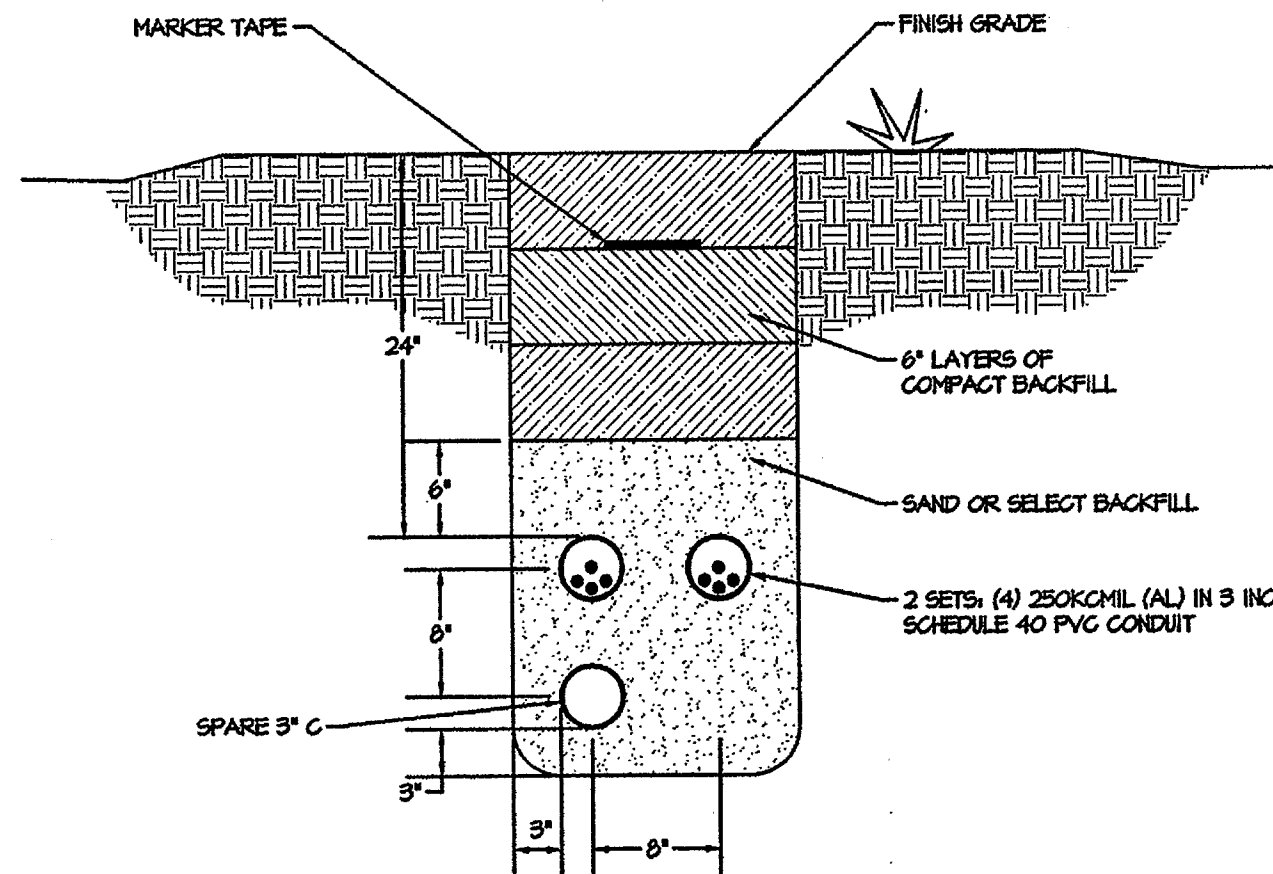
ELECTRICAL
SITE 1

Commission
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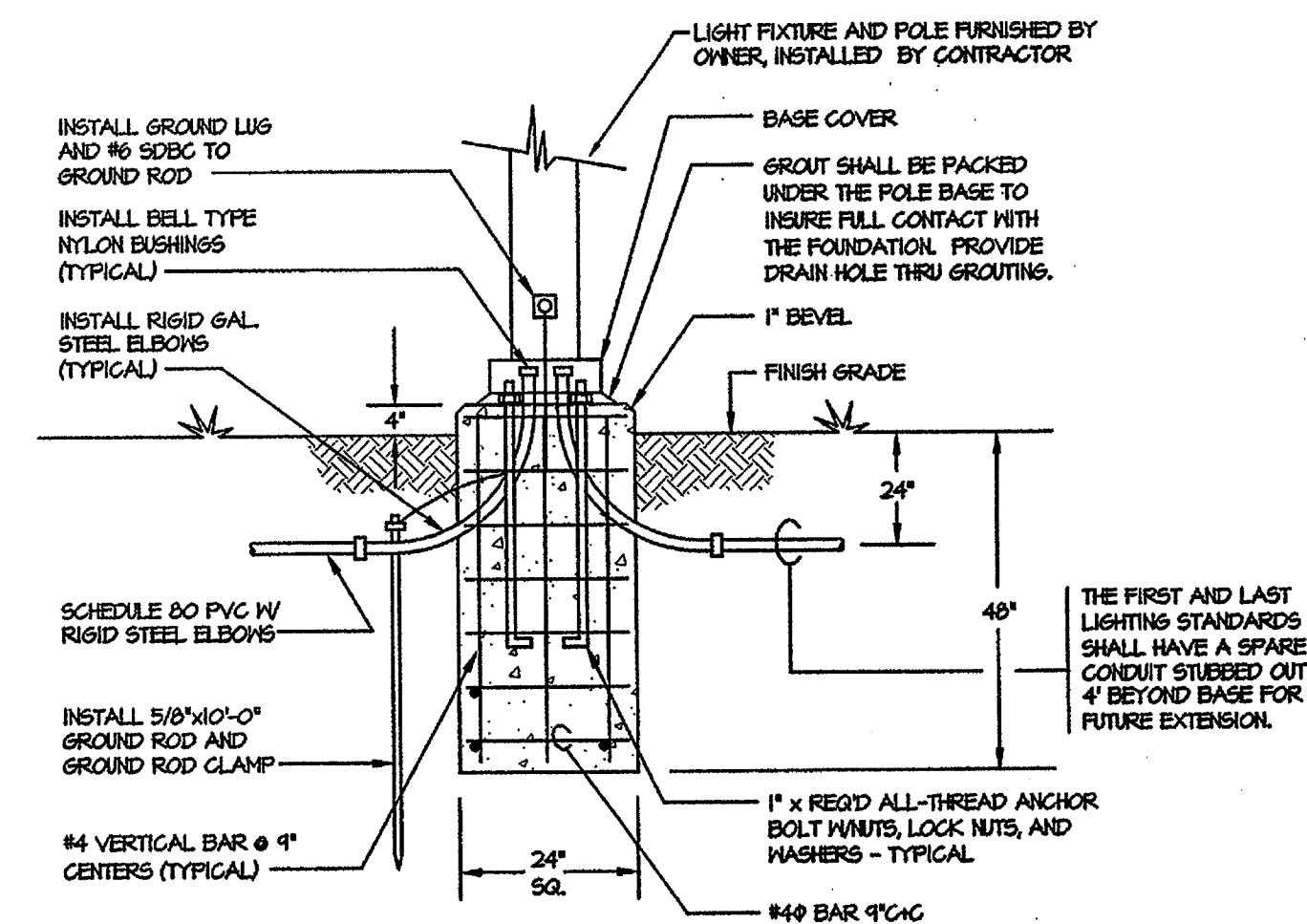
NOTE:
1. ALL ELBOWS AND CONDUIT ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL.

1 SECONDARY TRENCH DETAIL
SCALE: NONE

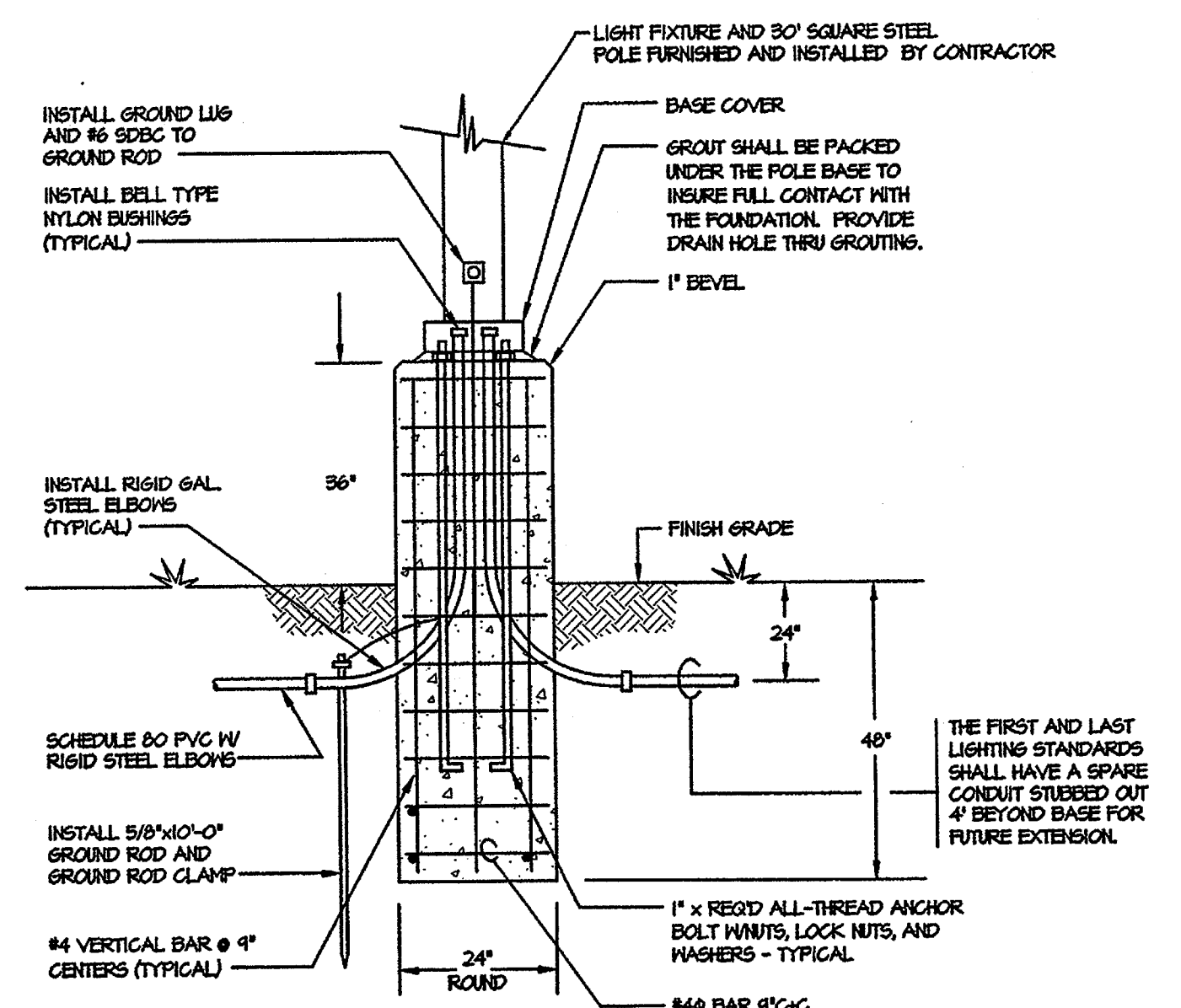


NOTE:
1. ALL ELBOWS AND CONDUIT ABOVE GRADE SHALL BE RIGID GALVANIZED STEEL.

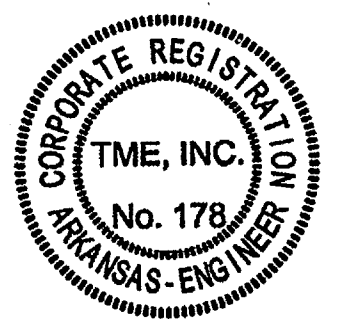
2 SECONDARY TRENCH DETAIL COMMONS BUILDING
SCALE: NONE



3 SIDE WALK LIGHT POLE BASE DETAIL
SCALE: NONE



4 PARKING LOT LIGHT POLE BASE DETAIL
SCALE: NONE



NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY



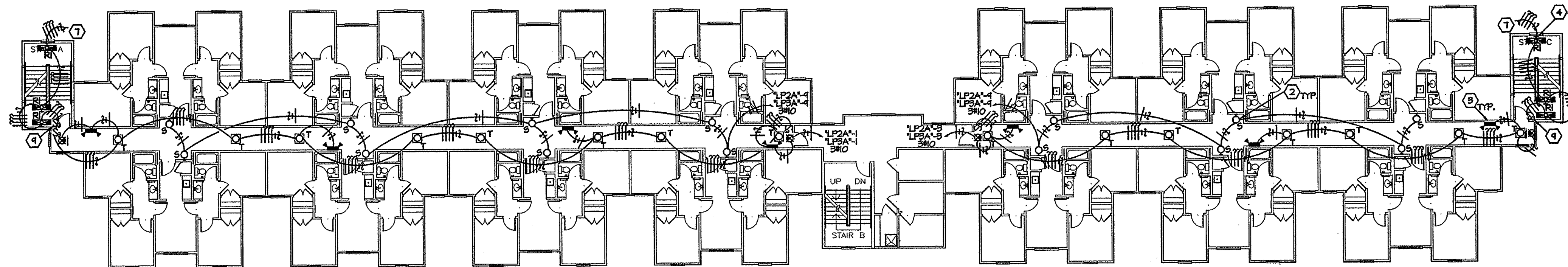
BRACKETT
KRENNERICH

ELECTRICAL D

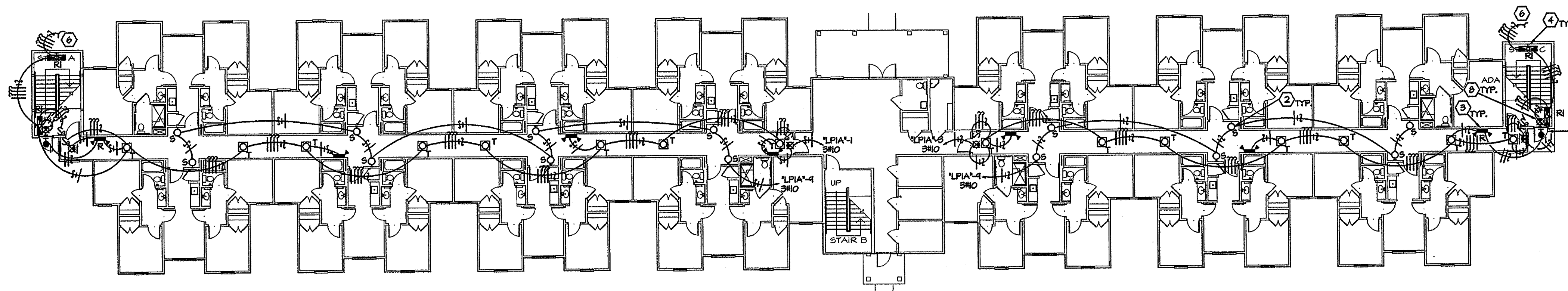
Commission N
104041
E10
Date: November

ELECTRICAL KEYED NOTES

- ① LIGHT SWITCH LOCATION AT THIRD FLOOR LEVEL.
- ② TYPE 'S' LIGHT FIXTURE WALL MOUNTED 80" AFF. TO BOTTOM.
- ③ EMERGENCY LIGHT WALL MOUNTED 1'-0" AFF. TO CENTER.
- ④ TYPE 'RI' LIGHT FIXTURE WALL MOUNTED JUST ABOVE DOOR AT FINISH FLOOR OR WINDOW ABOVE LANDING.
- ⑤ WET LOCATION REMOTE EMERGENCY LIGHT MOUNTED JUST ABOVE DOOR.
- ⑥ UP TO TYPE 'RI' LIGHT FIXTURE SECOND FLOOR.
- ⑦ DOWN TO TYPE 'RI' LIGHT FIXTURE FIRST FLOOR.
- ⑧ EXIT SIGN FLAT WALL MOUNTED JUST ABOVE DOOR.
- ⑨ SWITCH LOCATED AT THIRD FLOOR.

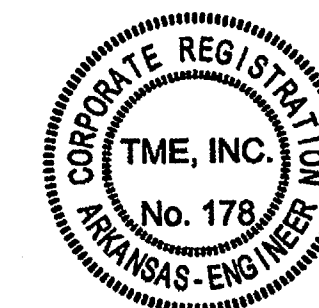


1 BUILDING ONE, TWO, FOUR AND FIVE SECOND FLOOR LIGHTING PLAN
THIRD FLOOR LIGHTING PLAN
SCALE 1/8" = 1'-0"

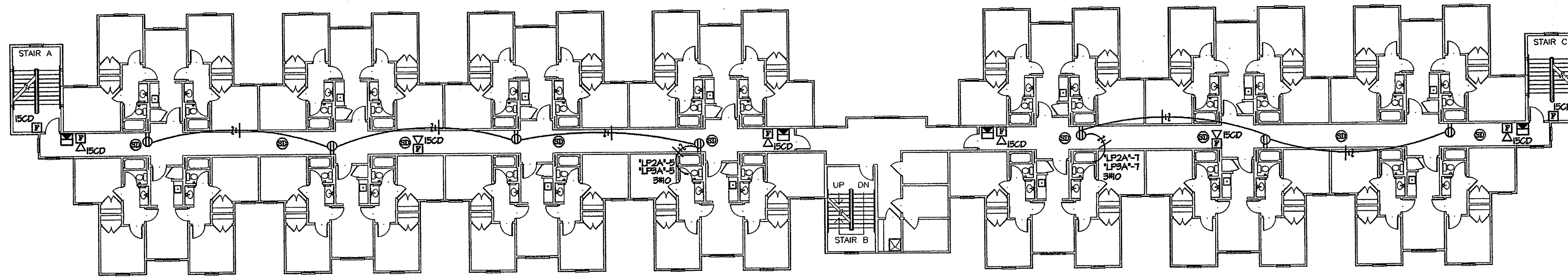


2 BUILDING ONE, TWO, FOUR AND FIVE FIRST FLOOR LIGHTING PLAN
SCALE 1/8" = 1'-0"

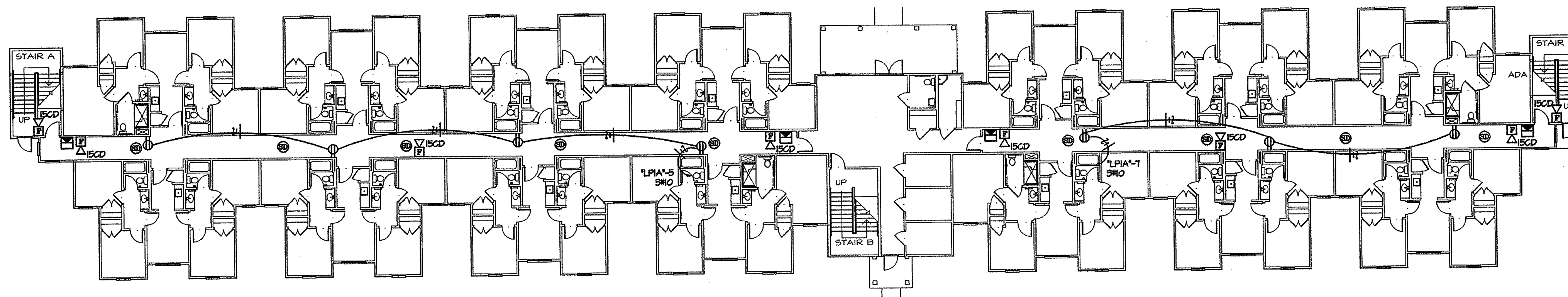
BUILDINGS ONE, TWO, FOUR AND FIVE LIGHTING PLAN



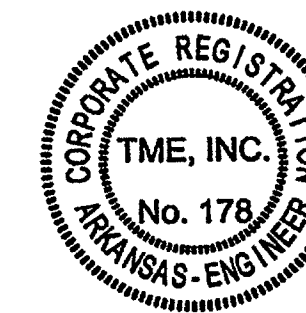
Commission No. 10404E
E20
Date: November



1 BUILDING ONE, TWO, FOUR AND FIVE SECOND FLOOR POWER AND SYSTEMS PLAN
 THIRD FLOOR POWER AND SYSTEMS PLAN
 SCALE 1/8" = 1'-0"



2 BUILDING ONE, TWO, FOUR AND FIVE FIRST FLOOR POWER AND SYSTEMS PLAN
 SCALE 1/8" = 1'-0"



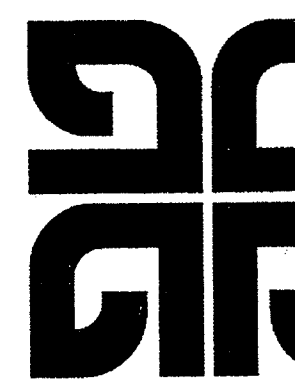
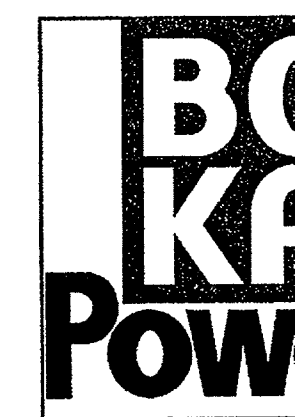
BUILDING ONE, TWO, FOUR AND FIVE SECOND FLOOR POWER AND SYSTEMS PLAN

Commission 10404

E20

Date: November

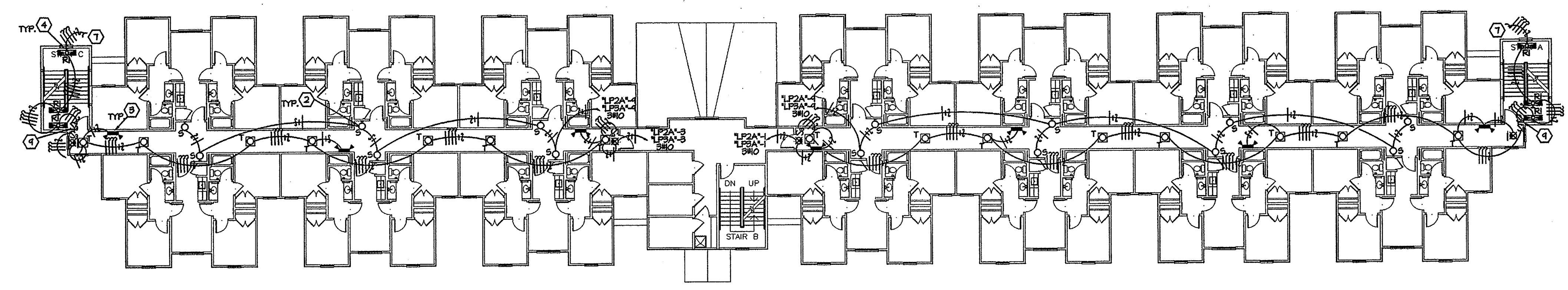
NEW RESIDENCE HALL
 COMMUNITY
 ARKANSAS STATE UNIVERSITY



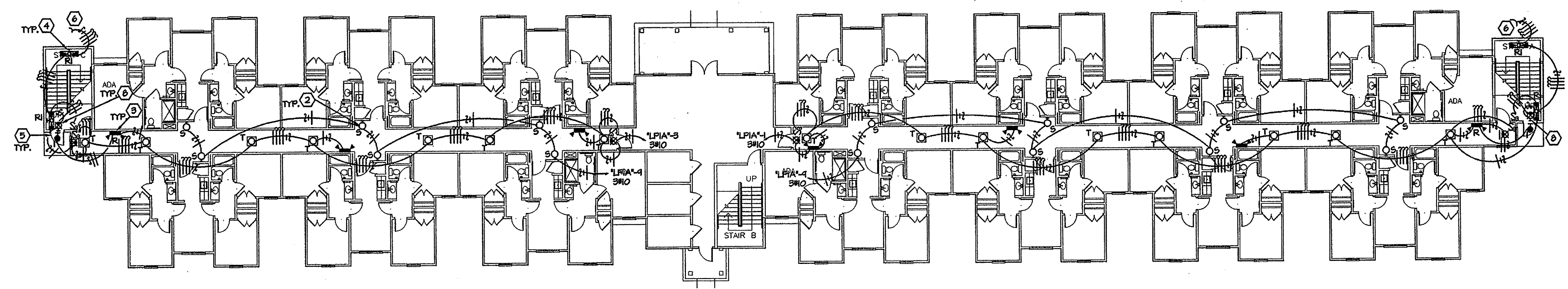
BRACKETT
 KRENNERICH

ELECTRICAL KEYED NOTES

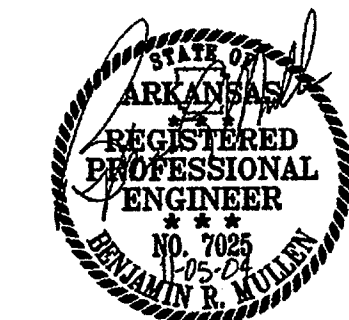
- ① LIGHT SWITCH LOCATION AT THIRD FLOOR LEVEL.
- ② TYPE 'S' LIGHT FIXTURE WALL MOUNTED 80" AFF. TO BOTTOM.
- ③ EMERGENCY LIGHT WALL MOUNTED 1'-0" AFF. TO CENTER.
- ④ TYPE 'R1' LIGHT FIXTURE WALL MOUNTED JUST ABOVE DOOR AT FINISH FLOOR OR WINDOW ABOVE LANDING.
- ⑤ NET LOCATION REMOTE EMERGENCY LIGHT MOUNTED JUST ABOVE DOOR.
- ⑥ UP TO TYPE 'R1' LIGHT FIXTURE SECOND FLOOR.
- ⑦ DOWN TO TYPE 'R1' LIGHT FIXTURE FIRST FLOOR.
- ⑧ EXIT SIGN FLAT WALL MOUNTED JUST ABOVE DOOR.
- ⑨ SWITCH LOCATED AT THIRD FLOOR.

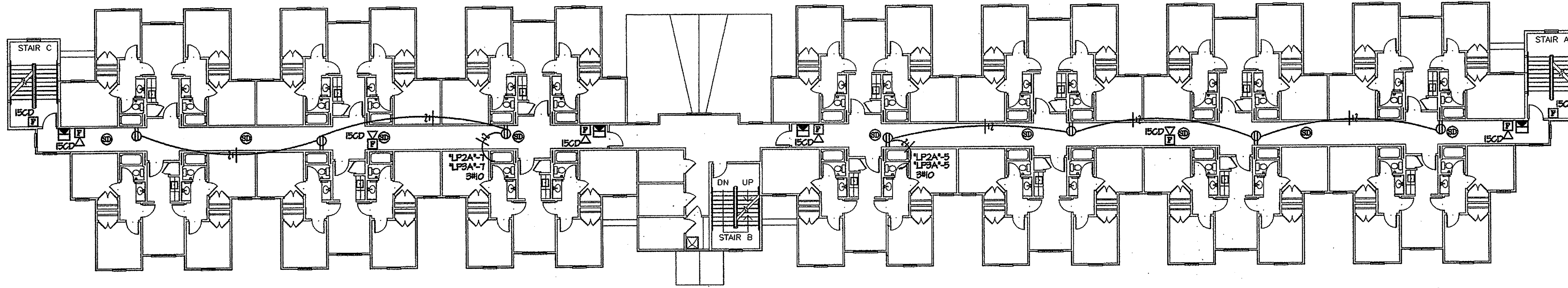


**1 BUILDING THREE SECOND FLOOR LIGHTING PLAN
THIRD FLOOR LIGHTING PLAN
SCALE 1/8" = 1'-0"**

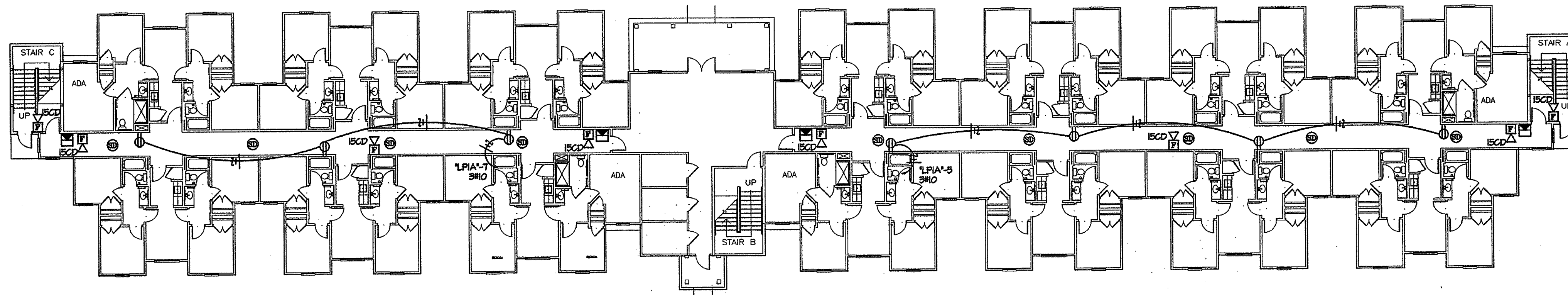


**2 BUILDING THREE FIRST FLOOR LIGHTING PLAN
SCALE 1/8" = 1'-0"**



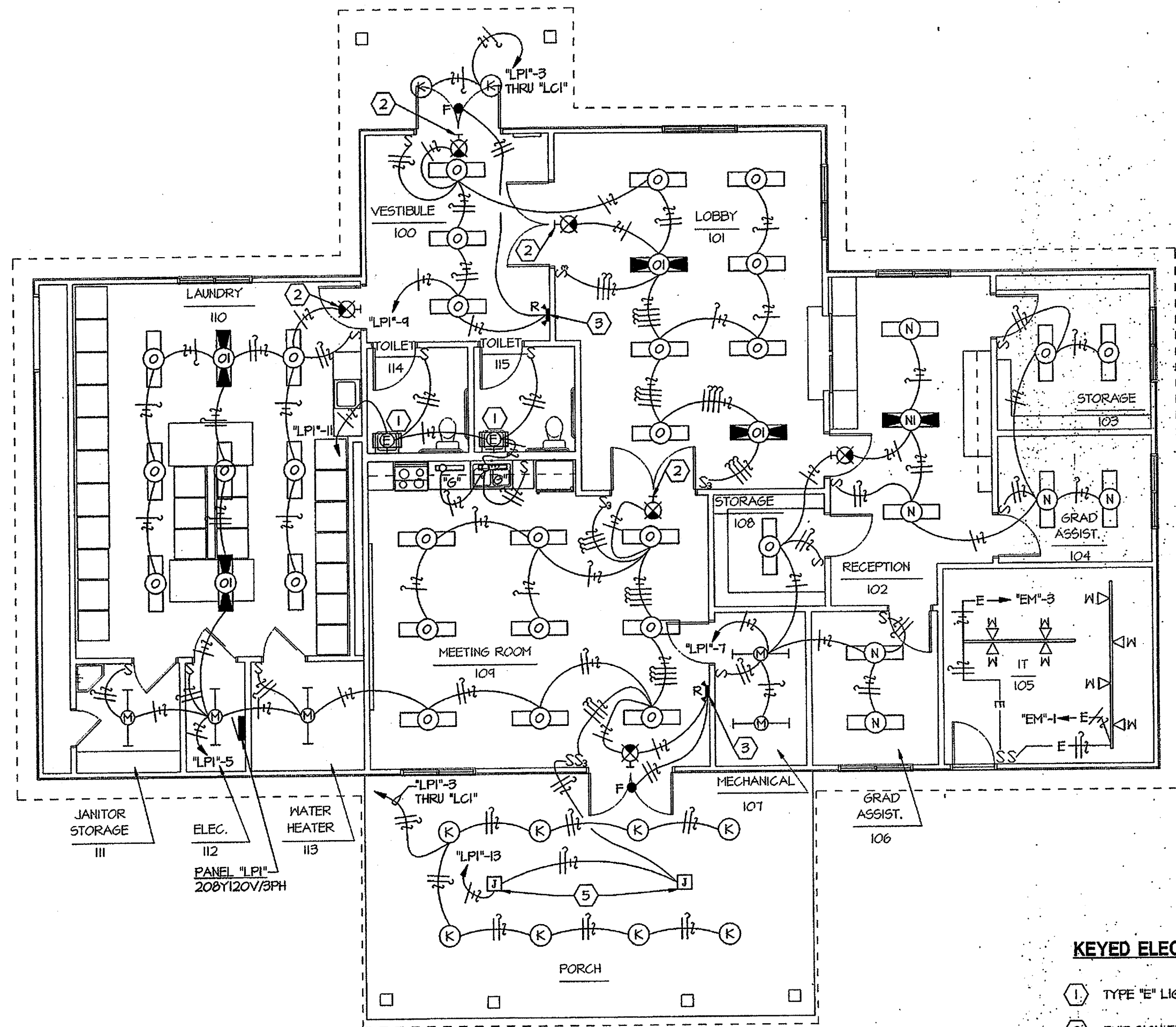


1 **BUILDING THREE SECOND FLOOR POWER AND SYSTEMS PLAN**
THIRD FLOOR POWER AND SYSTEMS PLAN
 SCALE 1/8" = 1'-0"

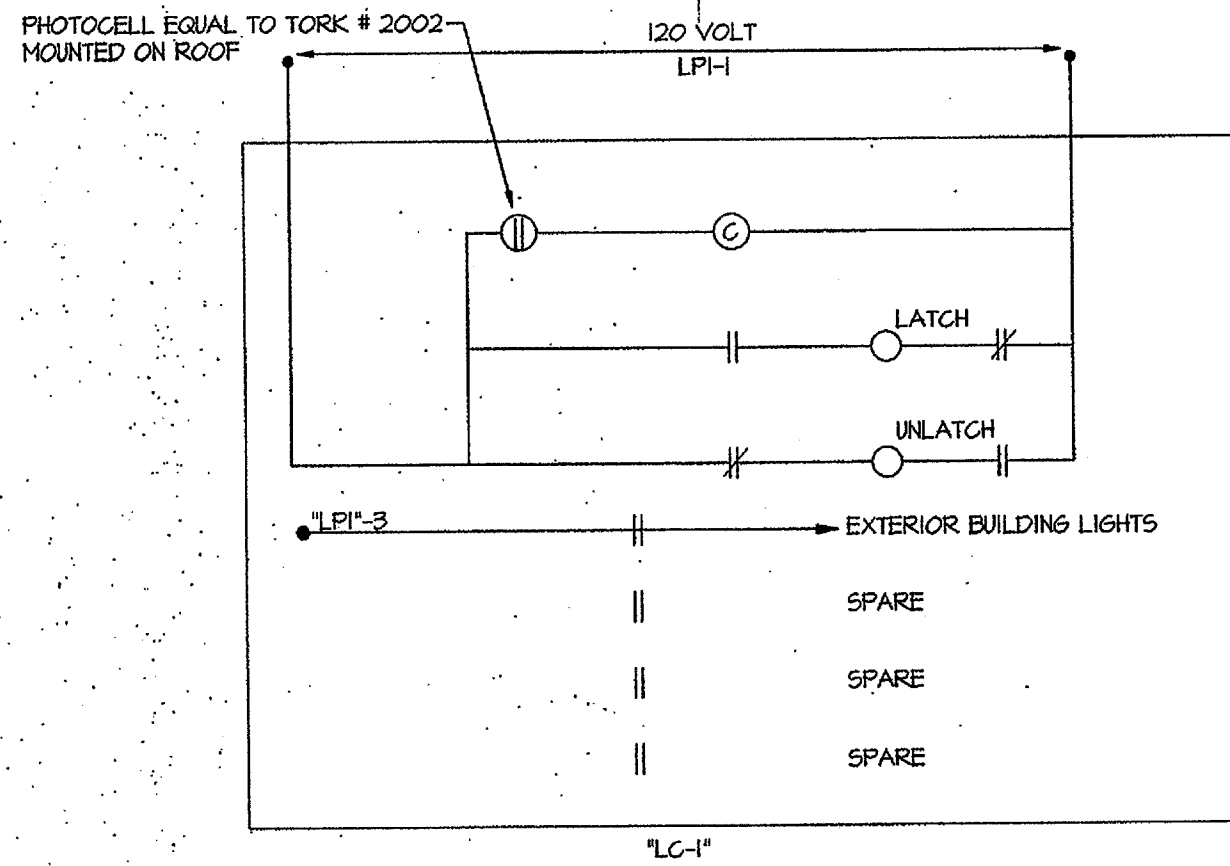


2 **BUILDING THREE FIRST FLOOR POWER AND SYSTEMS PLAN**
 SCALE 1/8" = 1'-0"



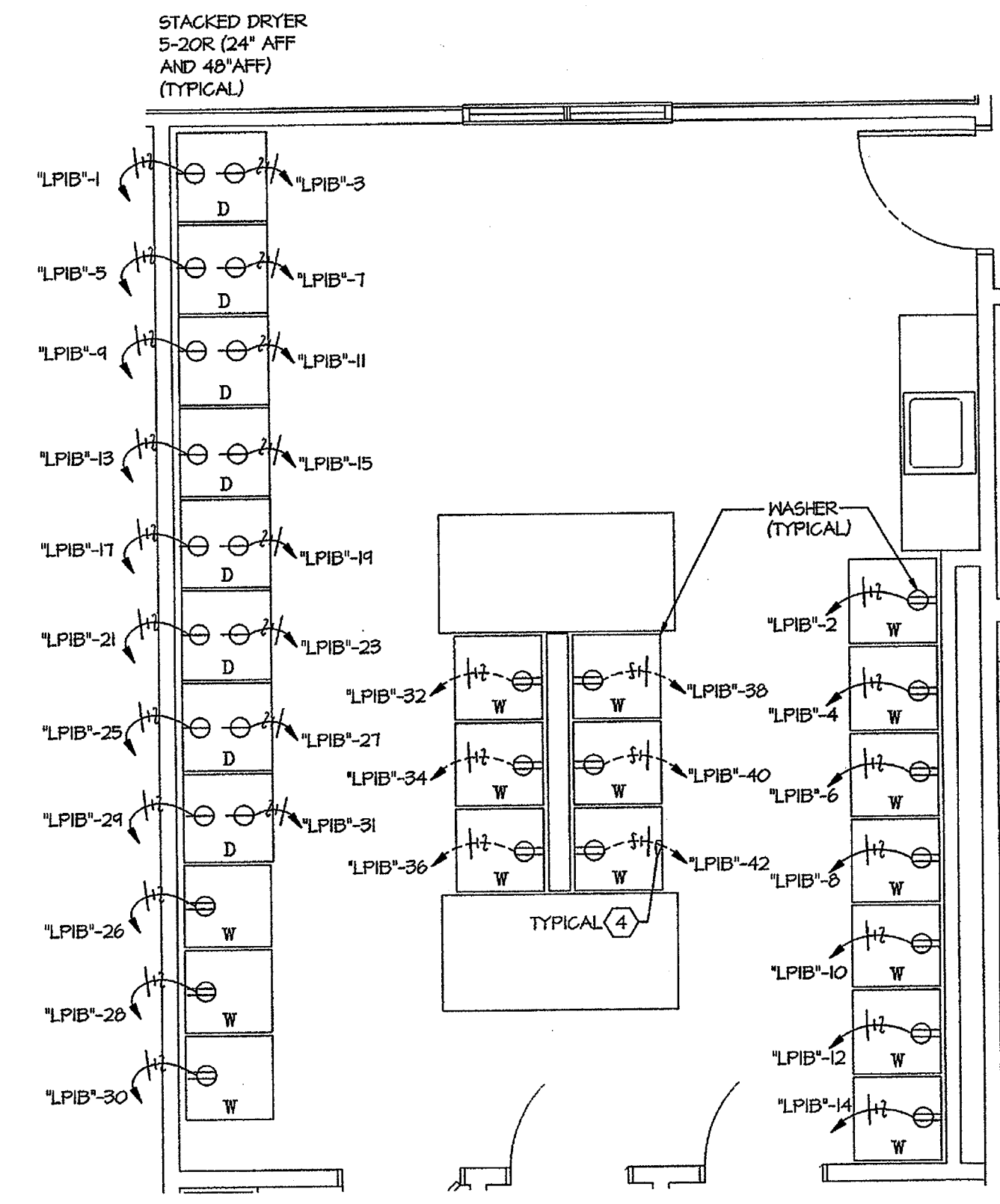


1 FLOOR PLAN - COMMONS BUILDING - LIGHTING
SCALE 1/8" = 1'-0"



3 EXTERIOR LIGHTING CONTROL DIAGRAM
SCALE: NONE

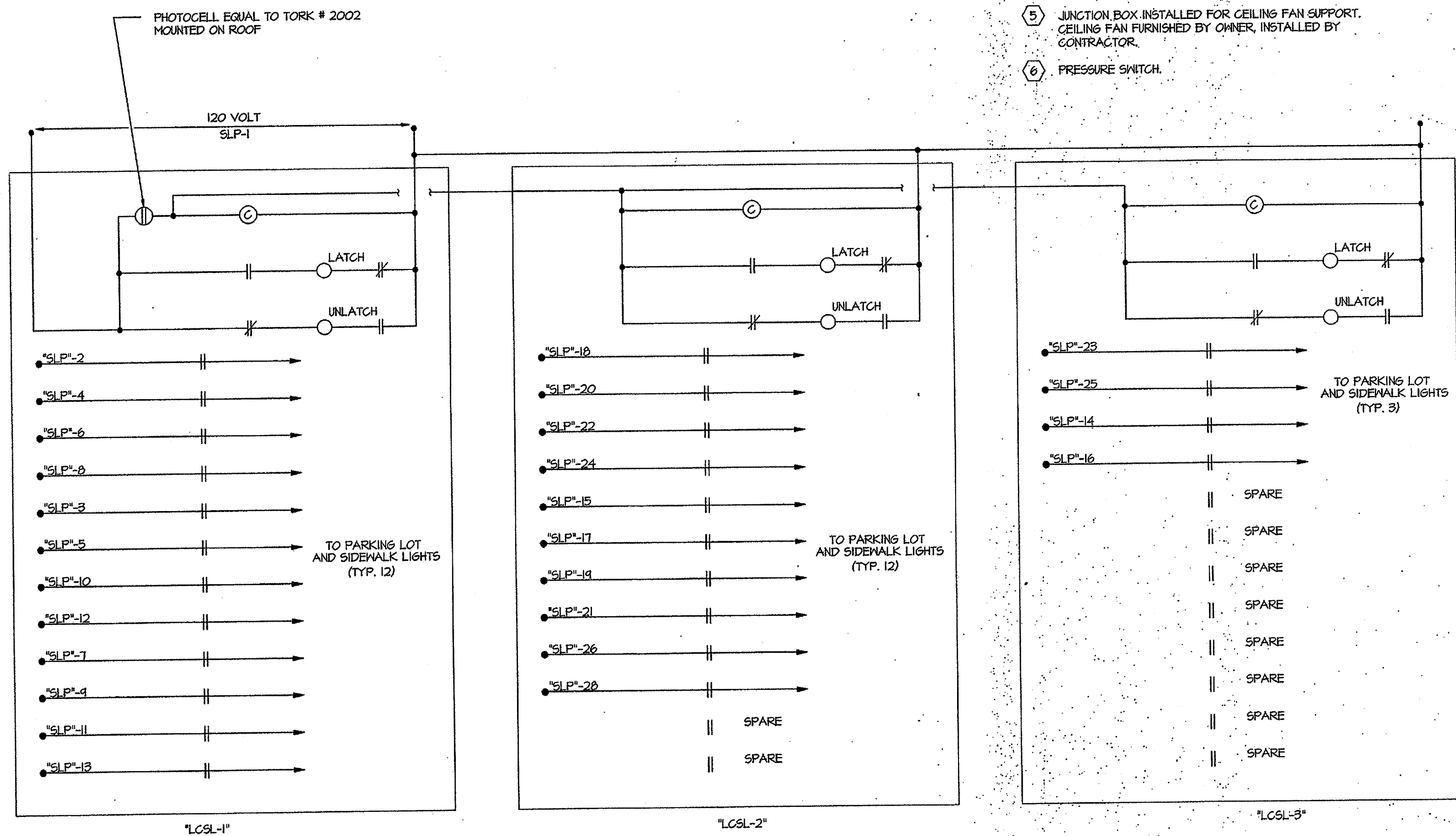
NOTES:
1. MECHANICALLY HELD LIGHTING CONTACTOR NEMA 1 ENCLOSURE 20A CONTACTS 120 VOLT WITH CONTROL RELAY LOCATED IN ELECTRIC ROOM.



2 PARTIAL LAUNDRY PLAN - POWER
SCALE 1/8" = 1'-0"

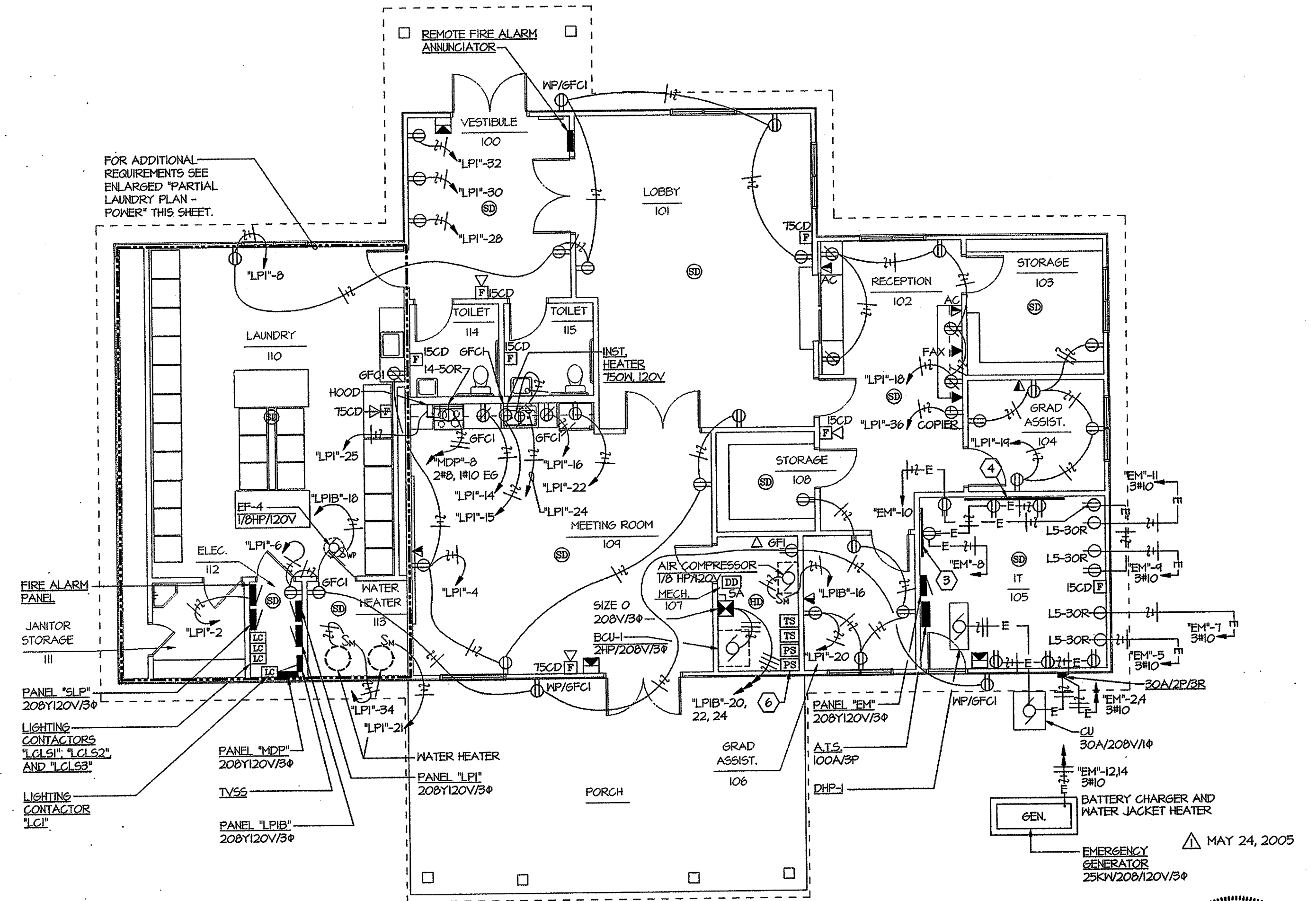
KEYED ELECTRICAL NOTES:

- 1 TYPE "E" LIGHT FIXTURE WALL MOUNTED 6" ABOVE MIRROR.
- 2 EXIT SIGN FLAT WALL MOUNTED JUST ABOVE DOOR.
- 3 EMERGENCY LIGHT WALL MOUNTED 7'-0" AFF.
- 4 SCHEDULE 40 PVC BELOW SLAB WITH RSC STUB UP TO OUTLET BOX. 3/4", 3/4"C.
- 5 JUNCTION BOX INSTALLED FOR CEILING FAN SUPPORT. CEILING FAN FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
- 6 PRESSURE SWITCH.



4 PARKING LOT AND SIDEWALK LIGHTING CONTROL DIAGRAM
SCALE: NONE

NOTES:
1. MECHANICALLY HELD LIGHTING CONTACTOR NEMA 1 ENCLOSURE 20A CONTACTS 120 VOLT WITH CONTROL RELAY LOCATED IN ELECTRIC ROOM.



3 FLOOR PLAN COMMONS BUILDING - POWER AND SYSTEMS
SCALE 1/8" = 1'-0"

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
BENJAMIN R. MULLIN
No. 7025

CORPORATE REGISTRATION
TME, INC.
No. 178
ARKANSAS-ENGINEER

COMMONS BUILDING LIGHTING, P AND SYSTEMS
MAY 24, 2005
EM-12/4 3/10
EM-5 3/10
EM-7 11
EM-4 3/10
EM-11 3/10
EM-10
EM-9
EM-8
EM-6
EM-3
EM-2
EM-1
EM-12/4 3/10
EM-5 3/10
EM-7 11
EM-4 3/10
EM-11 3/10
EM-10
EM-9
EM-8
EM-6
EM-3
EM-2
EM-1

NEW RESIDENCE HALL
COMMUNITY
ARKANSAS STATE UNIVERSITY

BO
KA
Power

20

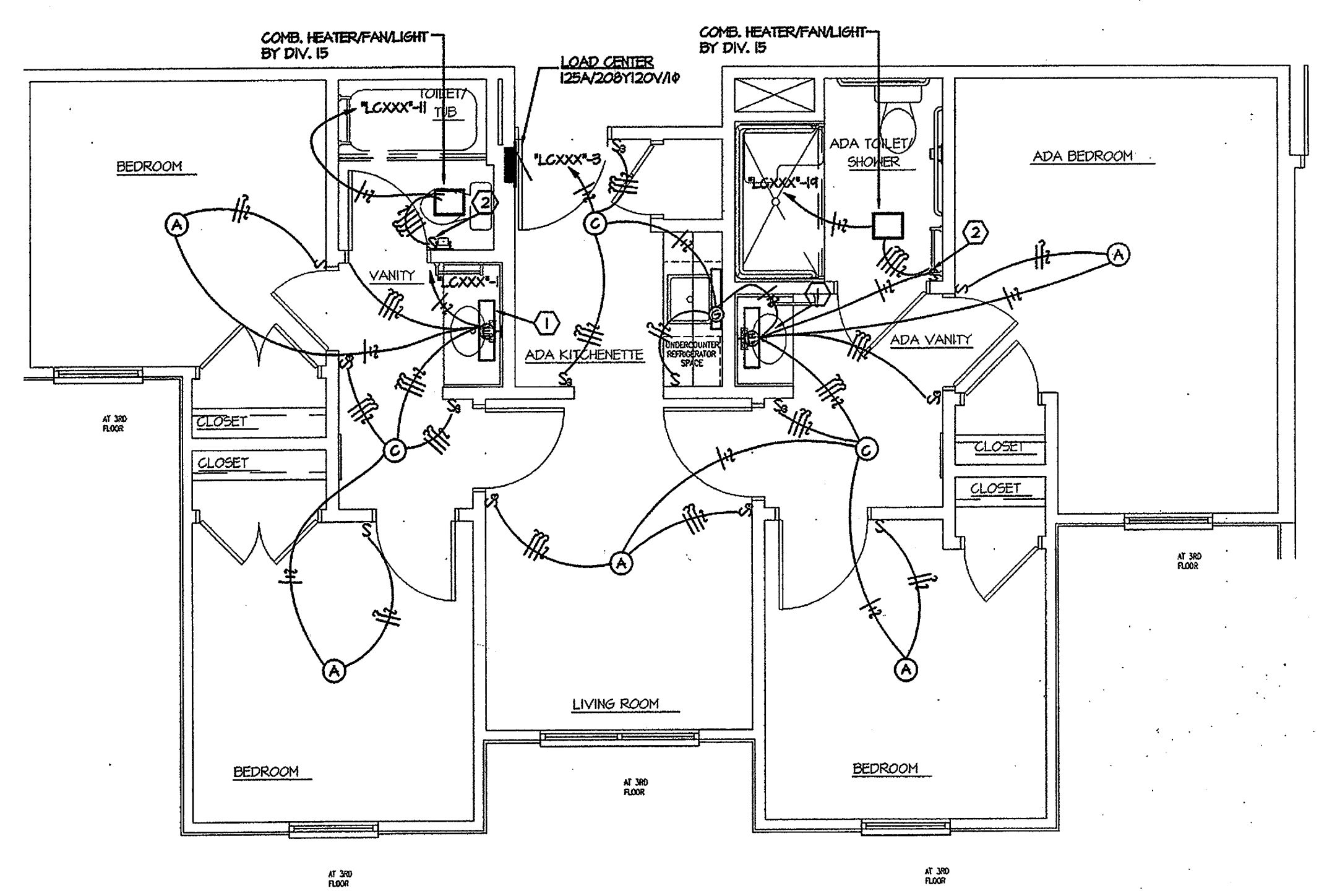
BRACKETT
KRENNERICH

COMMONS BUILDING LIGHTING, P AND SYSTEMS

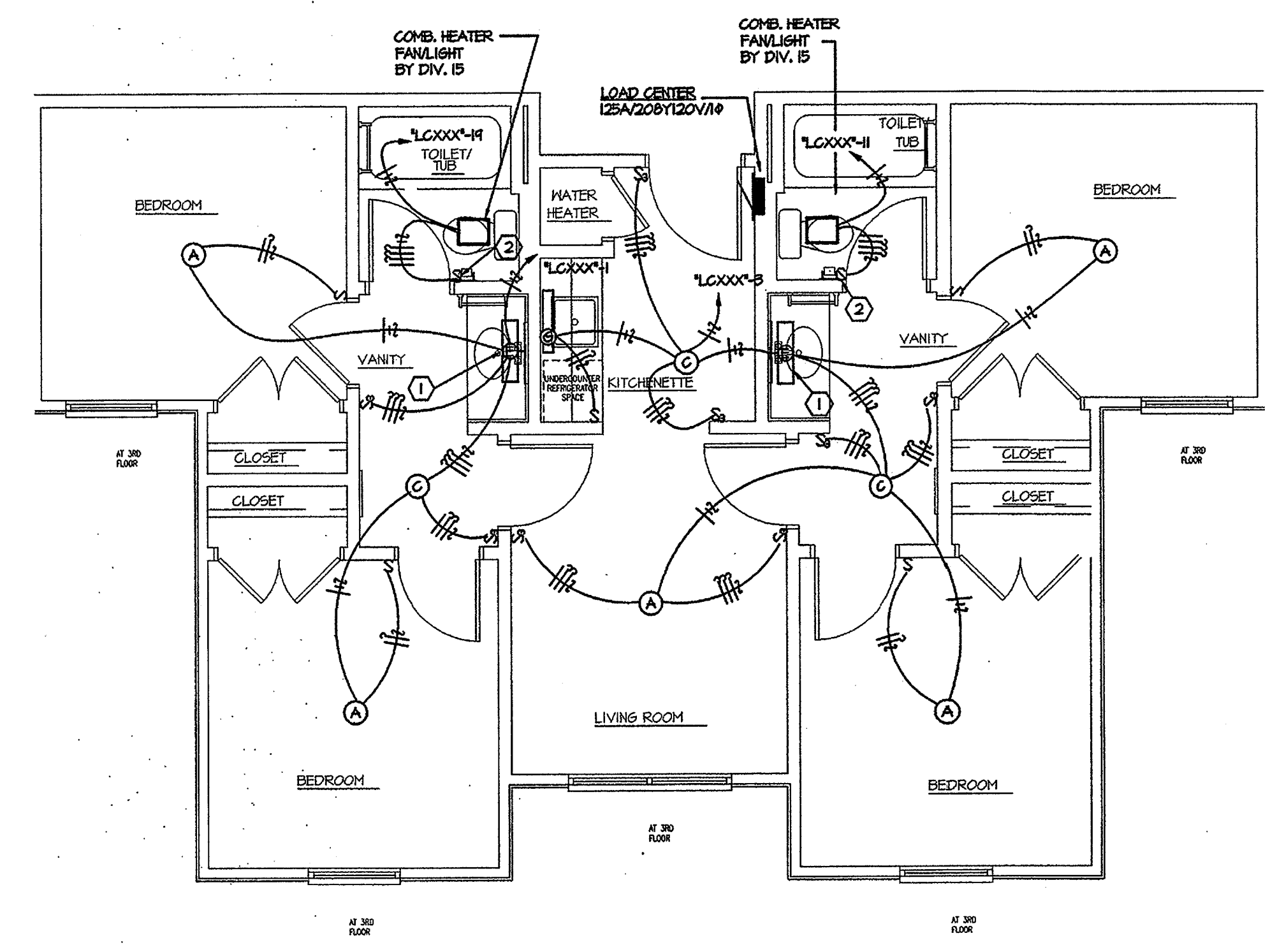
Commission No. 104041

E20

Date: November

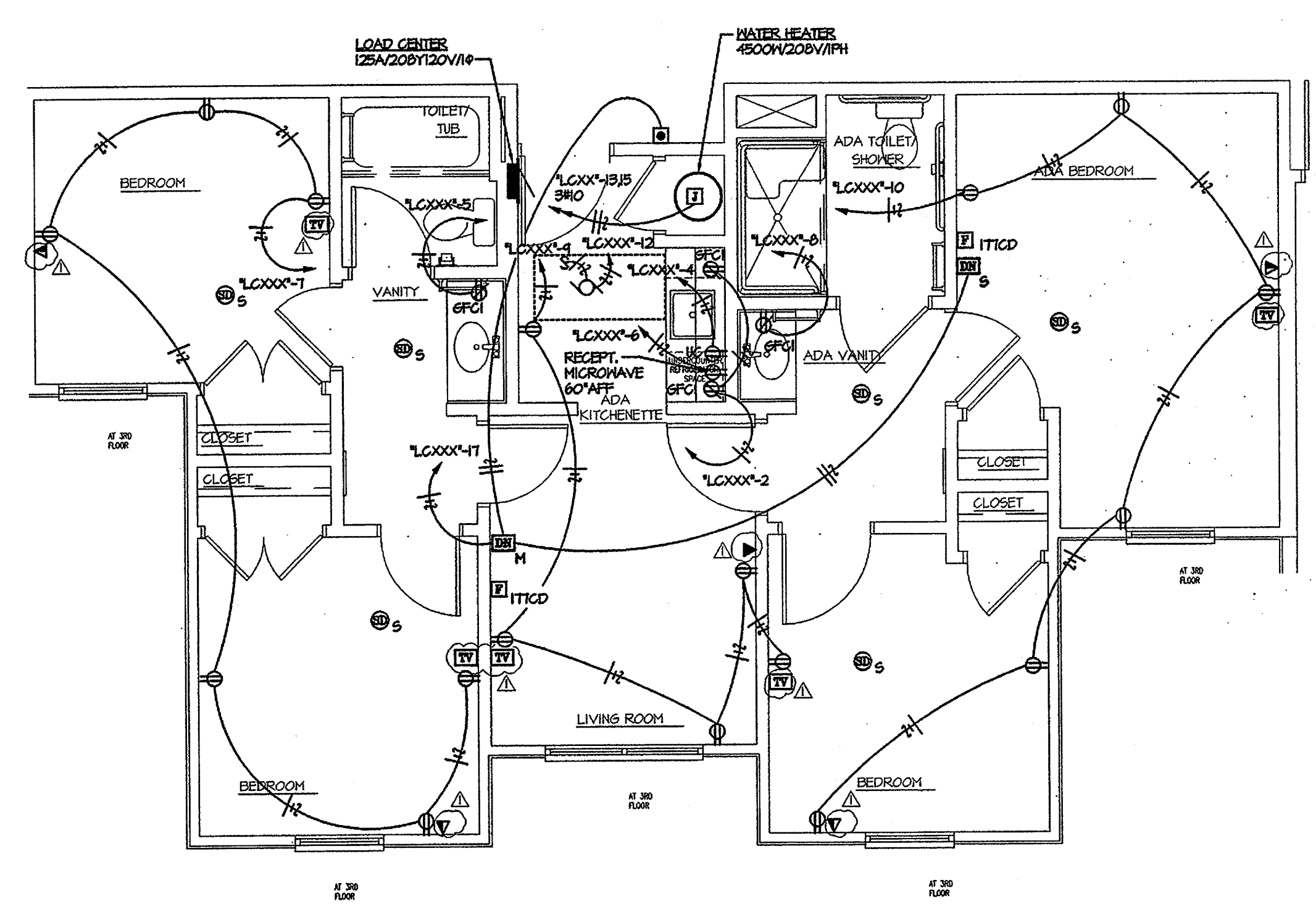


1 QUAD ADA SUITE LIGHTING PLAN
SCALE 1/4" = 1'-0"

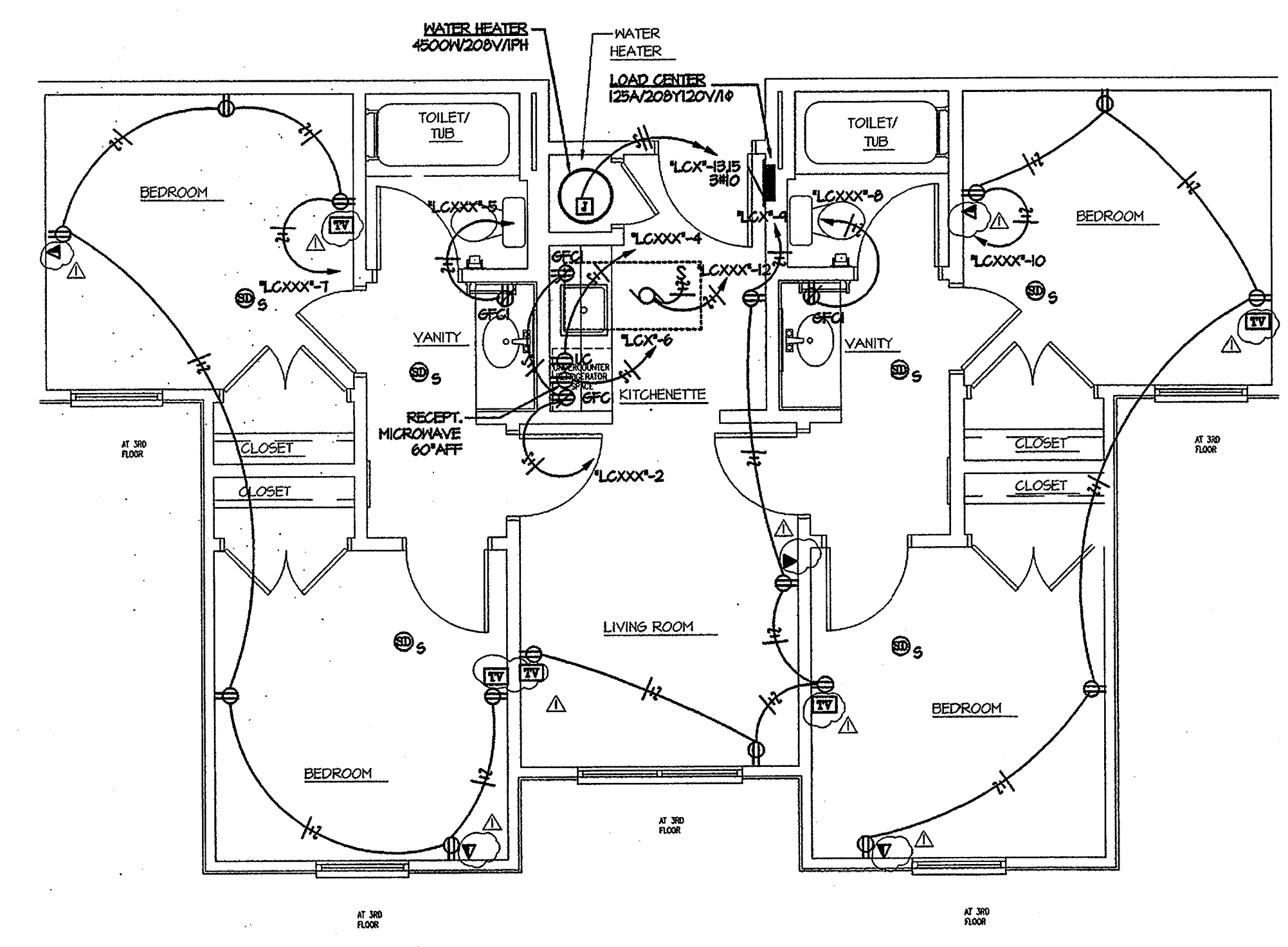


2 QUAD SUITE LIGHTING PLAN
SCALE 1/4" = 1'-0"

KEYED ELECTRICAL NOTES:
 ① TYPE 'E' LIGHT FIXTURES WALL MOUNTED 6" ABOVE MIRROR
 ② CONTROL SWITCHES FURNISHED BY DIV. 15, INSTALLED BY DIV. 16.

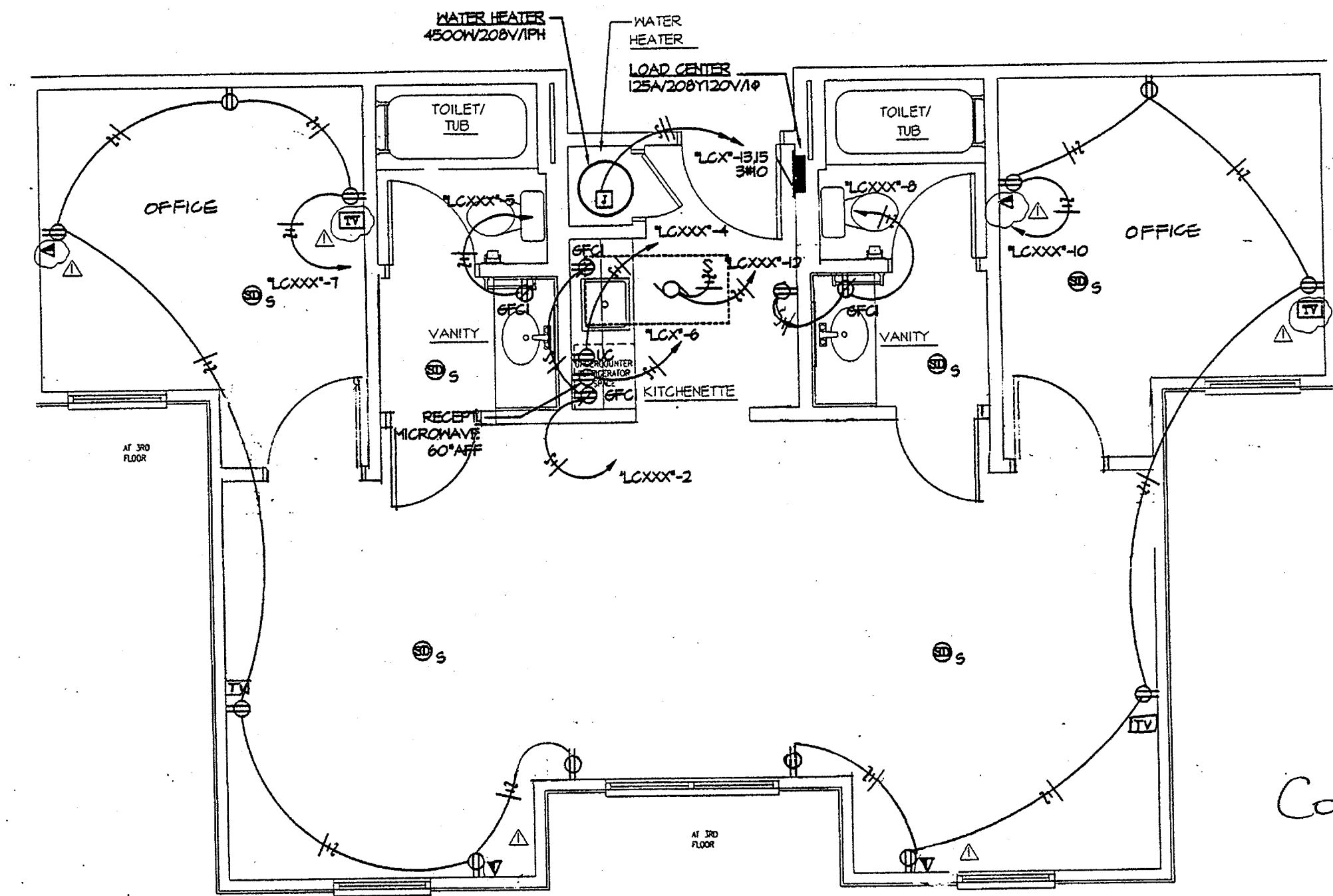


3 QUAD ADA SUITE POWER AND SYSTEMS
SCALE 1/4" = 1'-0"



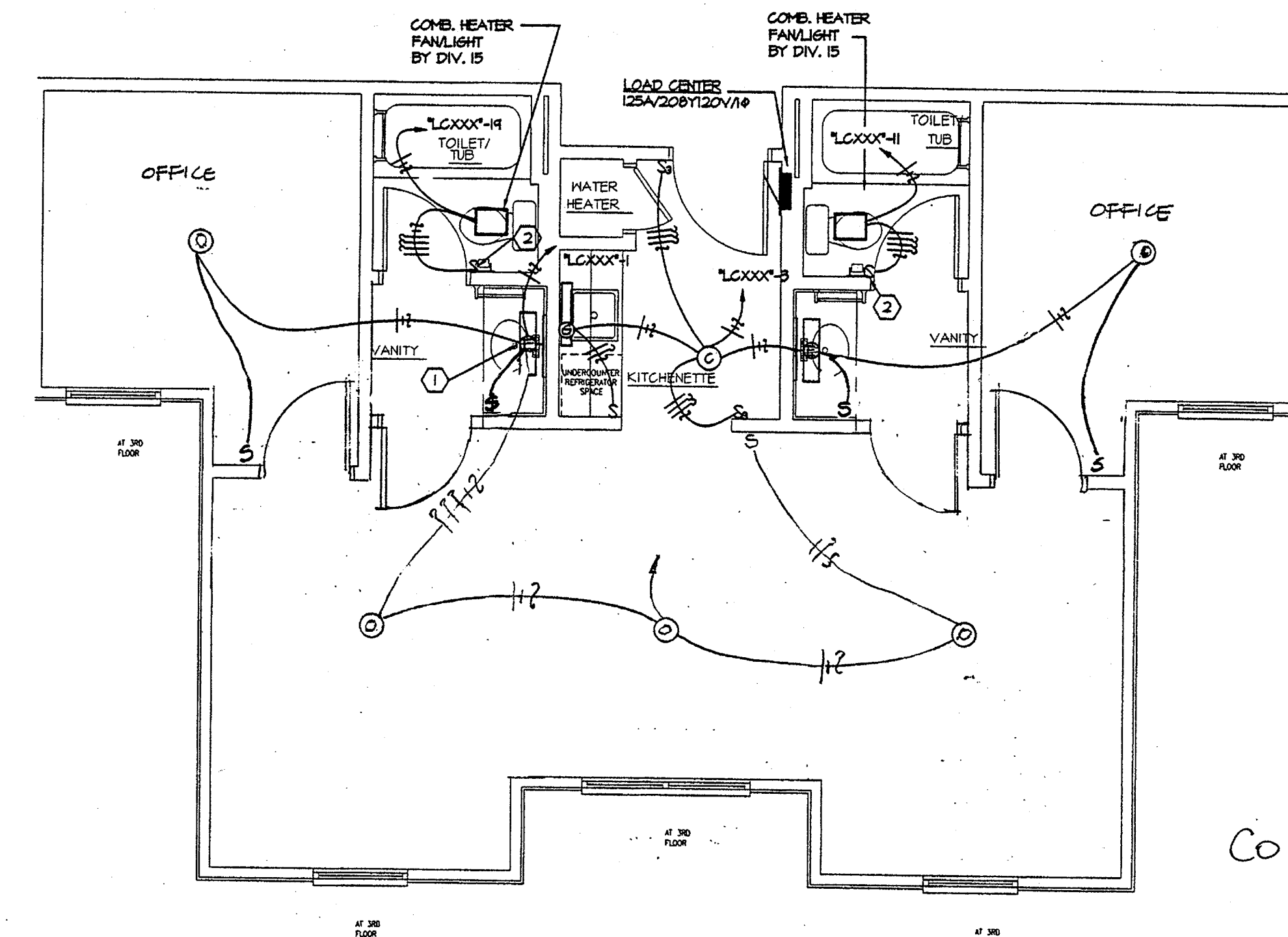
4 QUAD SUITE POWER AND SYSTEMS
SCALE 1/4" = 1'-0"





4 HONORS POWER AND SYSTEMS
SCALE 1/4" = 1'-0"

Co # 9
REVISED
1-NOV-0

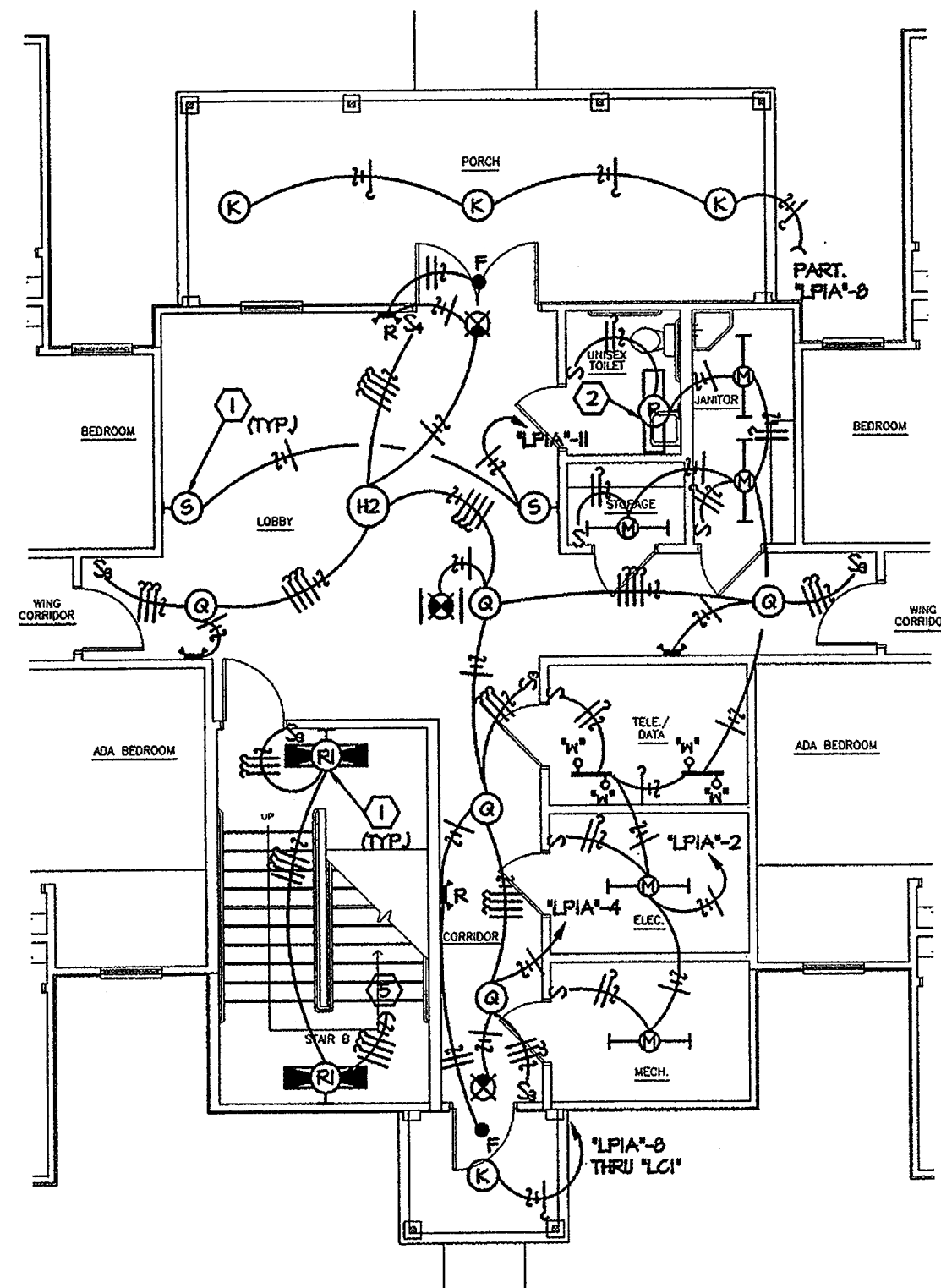


2 HONORS LIGHTING PLAN
SCALE 1/4" = 1'-0"

KEYED ELECTRICAL NOTES:

- ① TYPE "E" LIGHT FIXTURES WALL MOUNTED 6" ABOVE MIRROR
- ② CONTROL SWITCHES FURNISHED BY DIV. 15, INSTALLED BY DIV. 16.

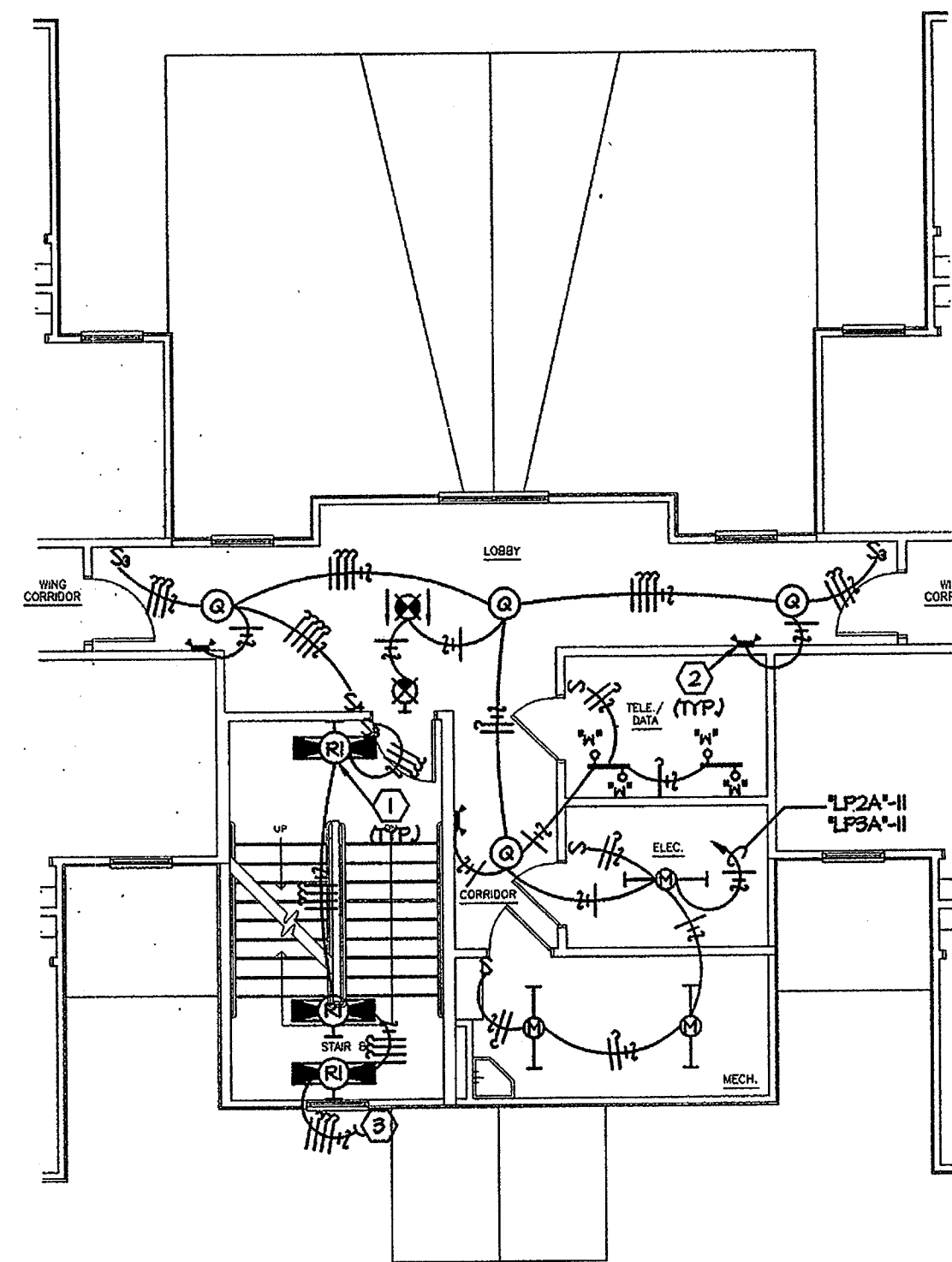
Co # 9
REVISED
1-NOV-0



**1 BUILDINGS ONE, TWO, FOUR, AND FIVE
FIRST FLOOR LOBBY LIGHTING PLAN**
SCALE 1/8" = 1'-0"

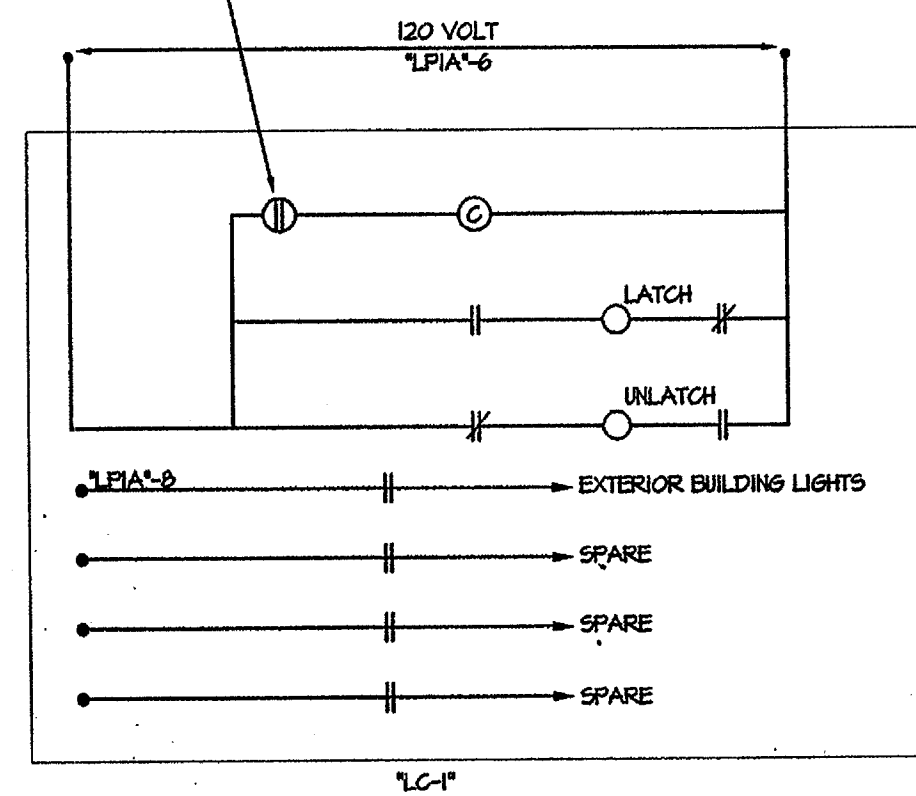
KEYED ELECTRICAL NOTES:

- ① TYPE "R1" LIGHT FIXTURE WALL MOUNTED JUST ABOVE DOOR OR WINDOW ABOVE LANDING.
- ② EMERGENCY LIGHT WALL MOUNTED 80" AFF TO BOTTOM.
- ③ DOWN TO TYPE "R1" FIRST FLOOR.
- ④ UP TO TYPE "R1" SECOND FLOOR.
- ⑤ TYPE "S" LIGHT FIXTURE WALL MOUNTED 80" AFF TO BOTTOM.



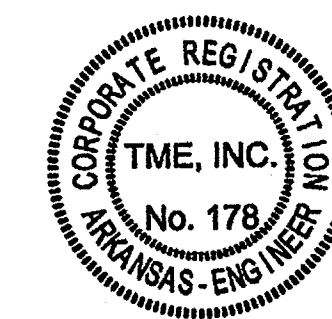
**2 BUILDINGS ONE, TWO, FOUR, AND FIVE
SECOND AND THIRD FLOOR LOBBY LIGHTING PLAN**
SCALE 1/8" = 1'-0"

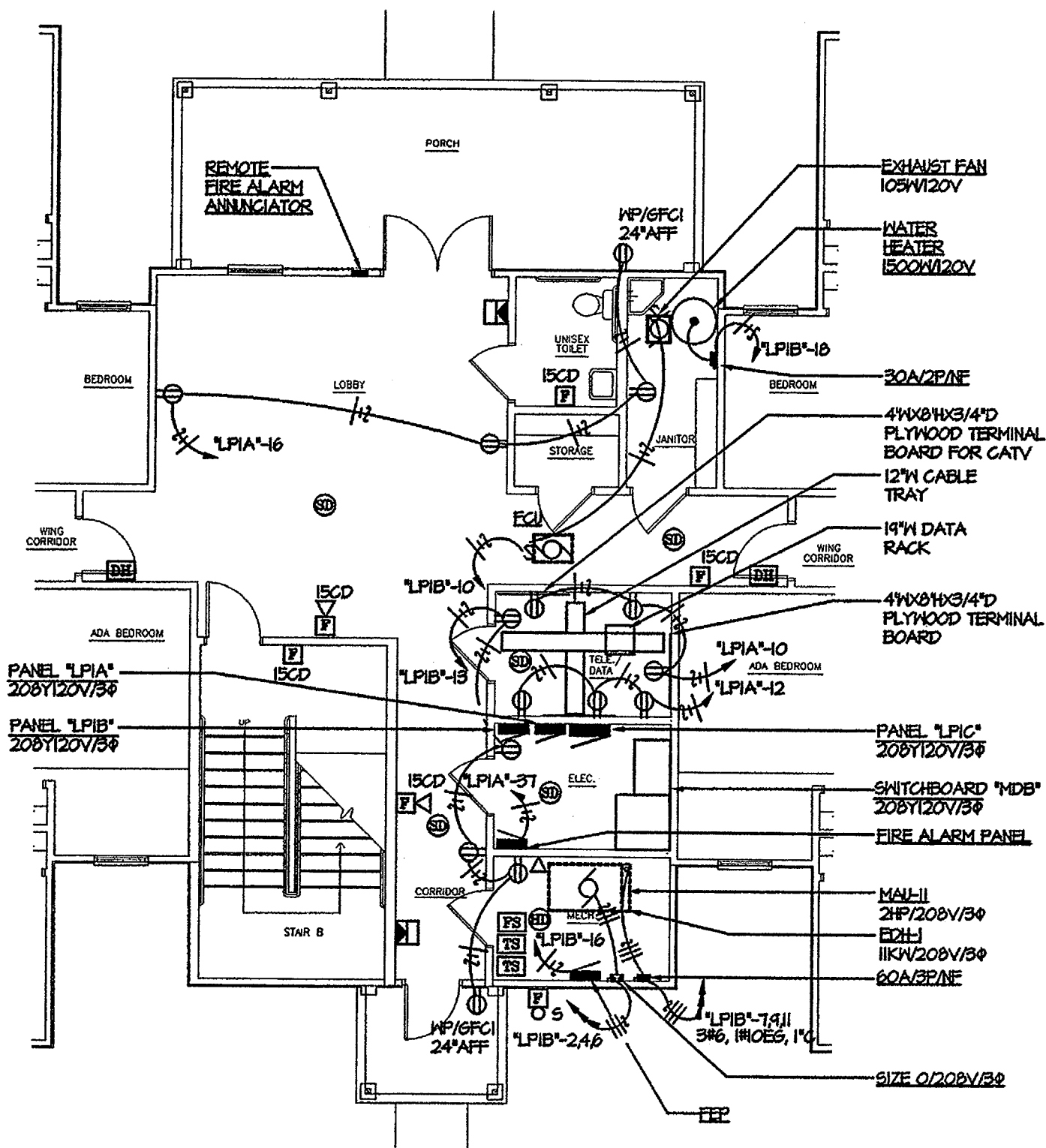
PHOTOCELL EQUAL TO YORK # 2002—
MOUNTED ON ROOF



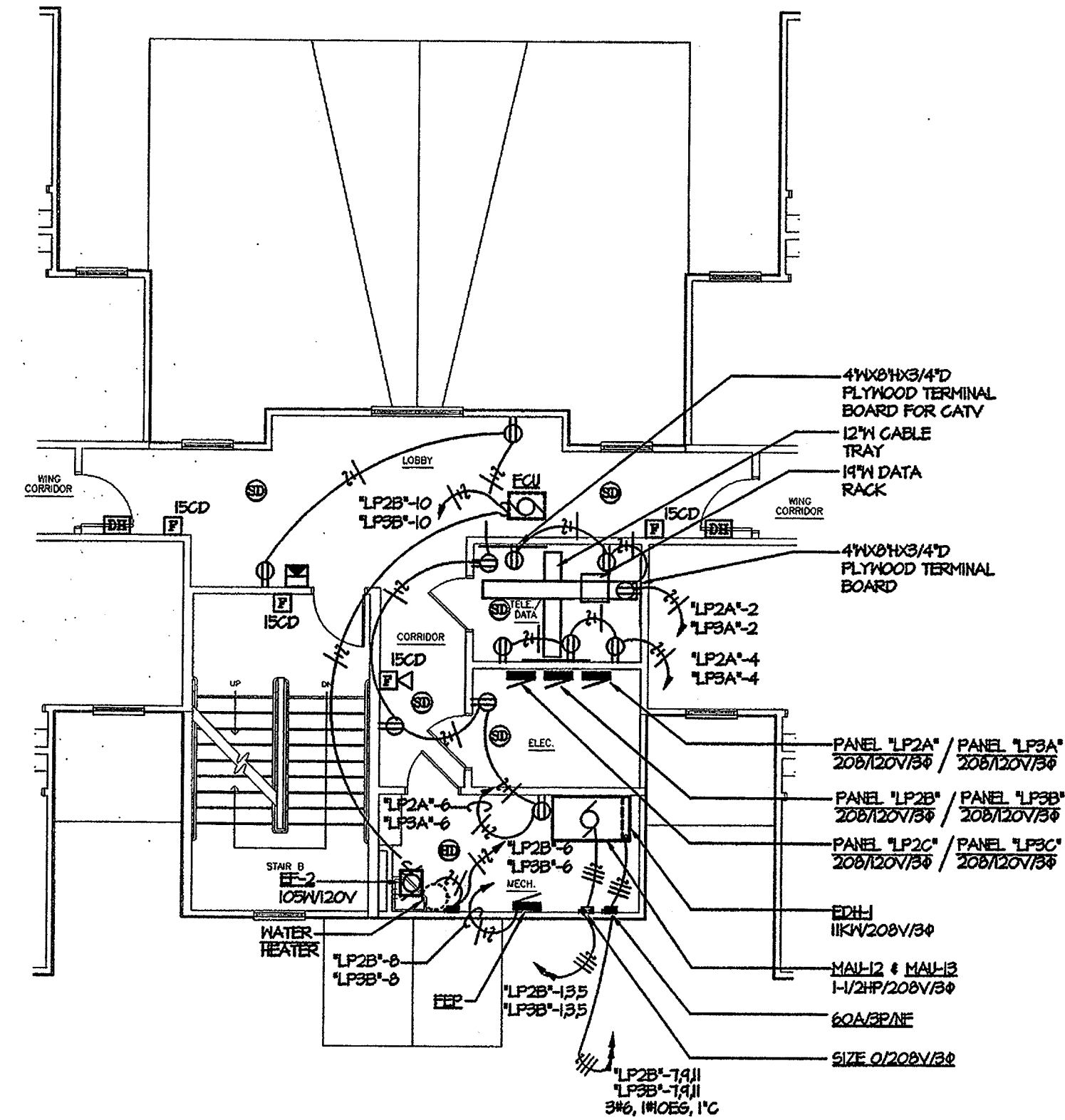
3 EXTERIOR LIGHTING CONTROL DIAGRAM
SCALE: NONE

- NOTES:
- 1. MECHANICALLY HELD LIGHTING CONTACTOR, NEMA 1 ENCLOSURE 20A CONTACTS 120 VOLT WITH CONTROL RELAY LOCATED IN ELECTRIC ROOM.





1 BUILDINGS ONE, TWO, FOUR, AND FIVE
FIRST FLOOR LOBBY POWER AND SYSTEMS PLAN
SCALE 1/8" = 1'-0"

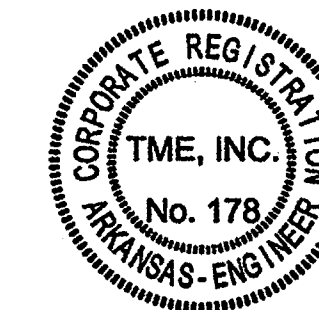


2 BUILDINGS ONE, TWO, FOUR, AND FIVE
SECOND AND THIRD FLOOR LOBBY POWER AND SYSTEMS PLAN
SCALE 1/8" = 1'-0"

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COMMUNITY
ARKANSAS STATE UNIVERSITY



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KRENNERICH

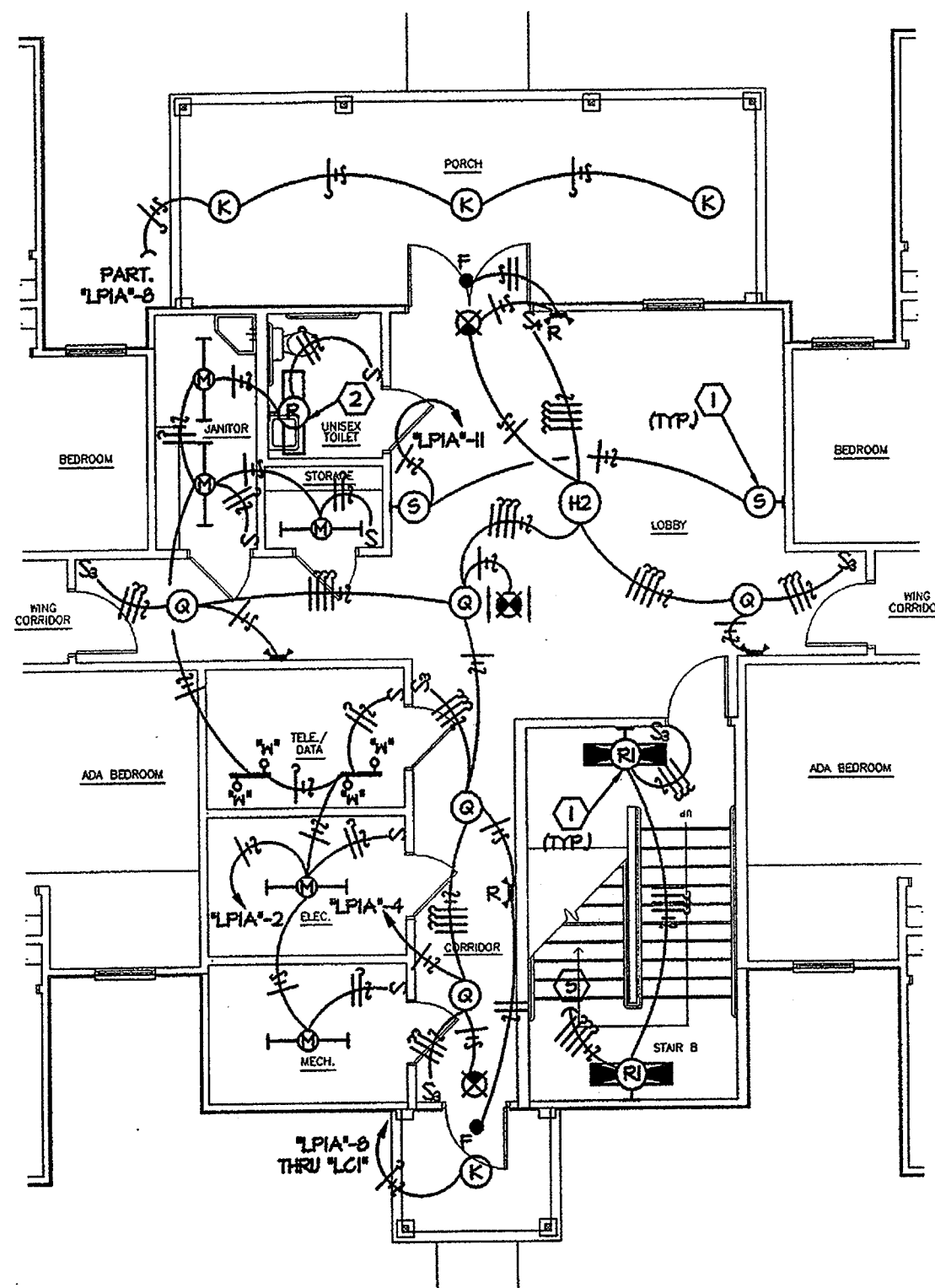


BUILDINGS ONE,
FOUR AND FIVE
POWER AND SYSTEMS
PLANS

Commission Number
10404R

E20

Date: November 5,

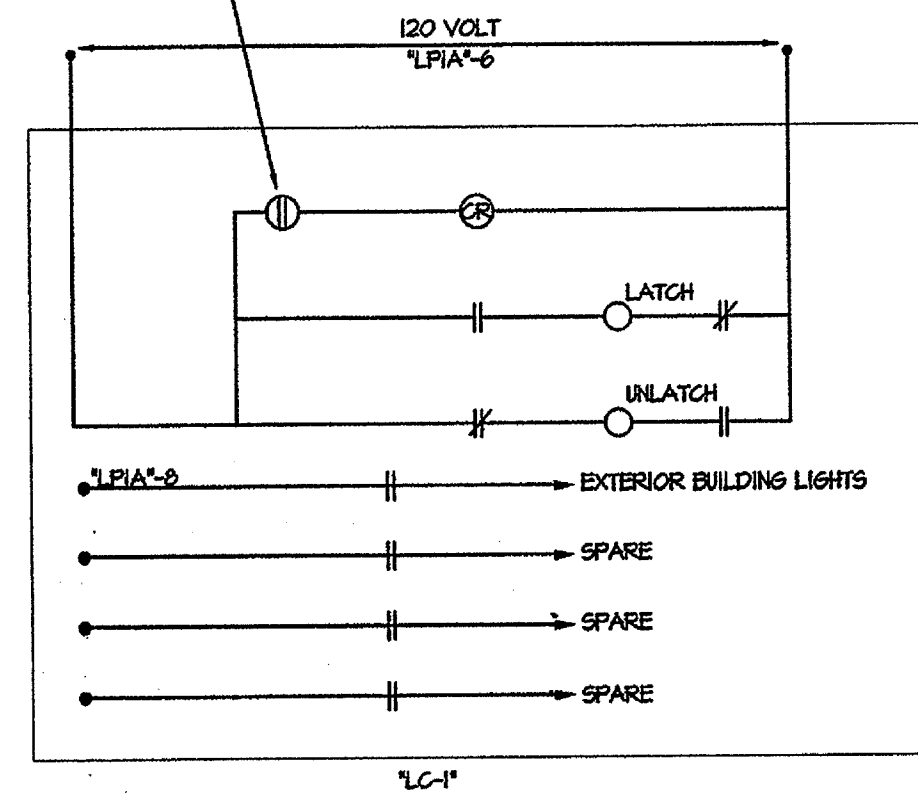


1 **BUILDING THREE
FIRST FLOOR LOBBY LIGHTING PLAN**
SCALE 1/8" = 1'-0"

KEYED ELECTRICAL NOTES:

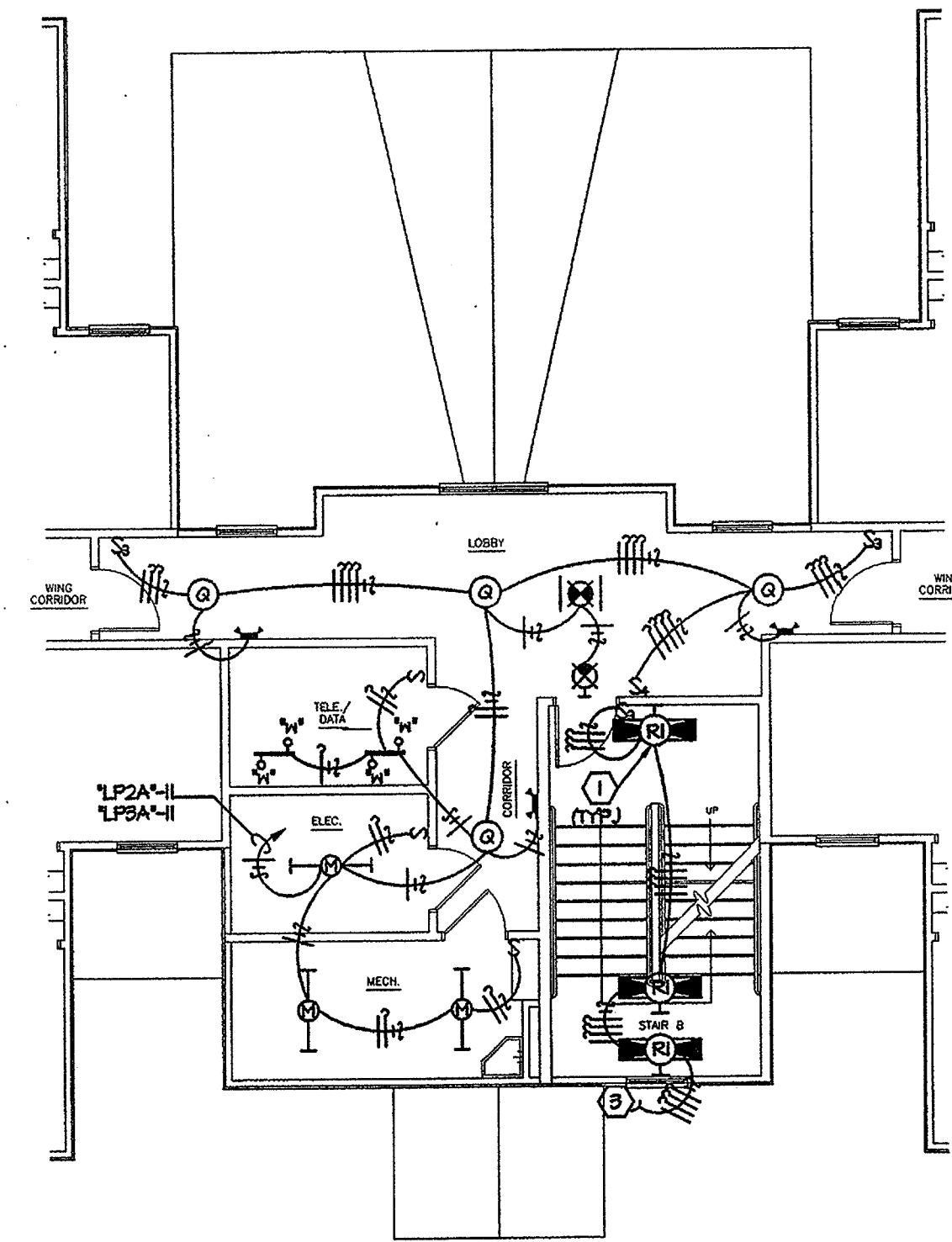
- ① TYPE 'R1' LIGHT FIXTURE WALL MOUNTED JUST ABOVE DOOR OR WINDOW ABOVE LANDING.
- ② EMERGENCY LIGHT WALL MOUNTED 1'-0" AFF TO CENTER.
- ③ DOWN TO TYPE 'R1' FIRST FLOOR.
- ④ UP TO TYPE 'R1' SECOND FLOOR.
- ⑤ TYPE 'S1' LIGHT FIXTURE WALL MOUNTED 60" AFF TO BOTTOM.

PHOTOCELL EQUAL TO TORK # 2002
MOUNTED ON ROOF

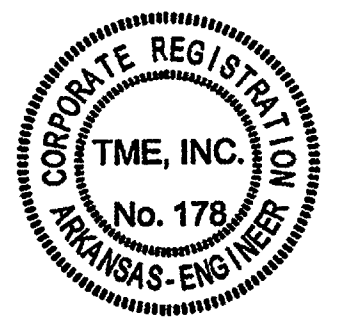


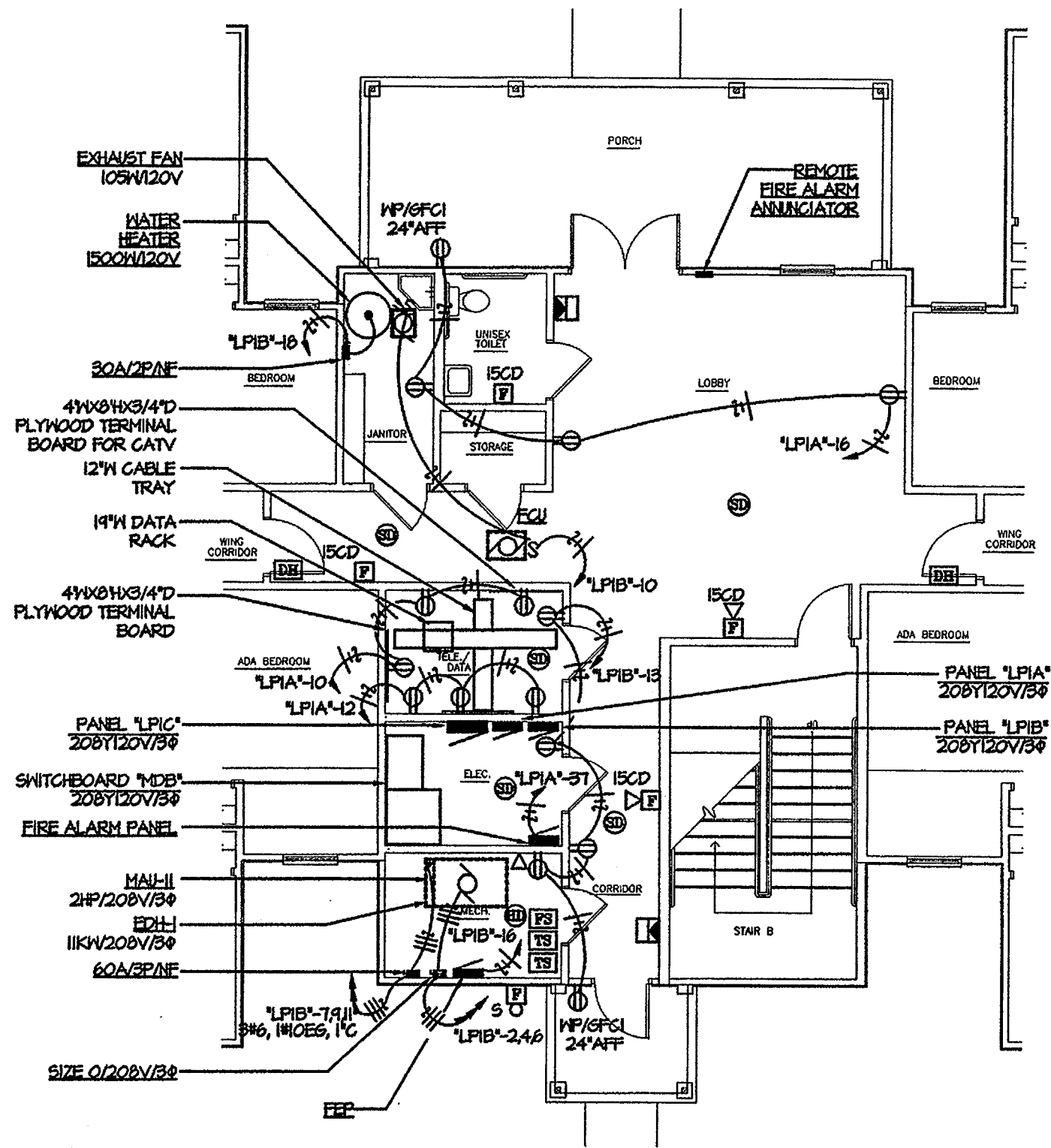
3 **EXTERIOR LIGHTING CONTROL DIAGRAM**
SCALE: NONE

- NOTES:
- 1. MECHANICALLY HELD LIGHTING CONTACTOR NEMA 1 ENCLOSURE 20A CONTACTS 120 VOLT WITH CONTROL RELAY LOCATED IN ELECTRIC ROOM.

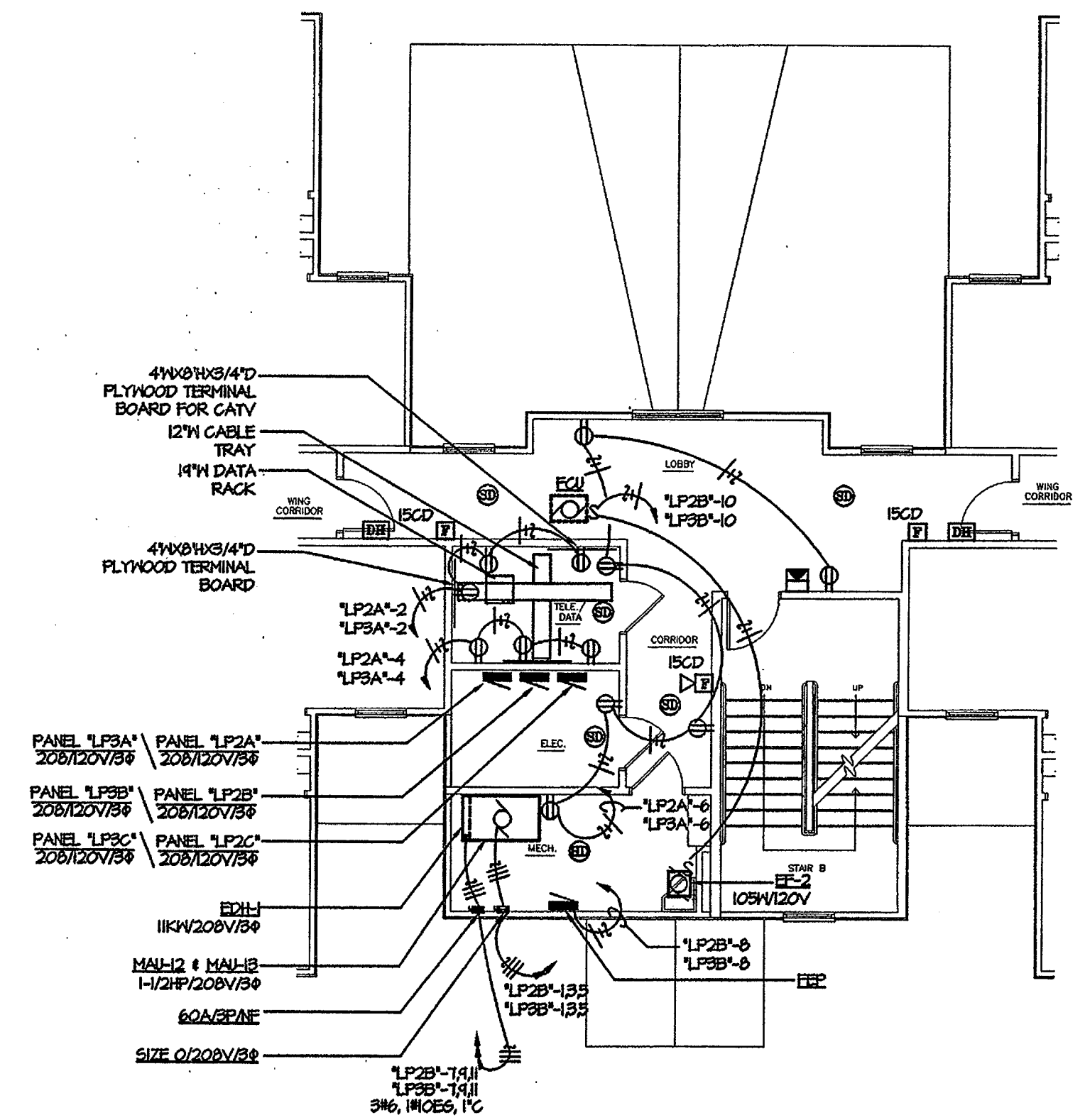


2 **BUILDING THREE
SECOND AND THIRD FLOOR LOBBY LIGHTING PLAN**
SCALE 1/8" = 1'-0"



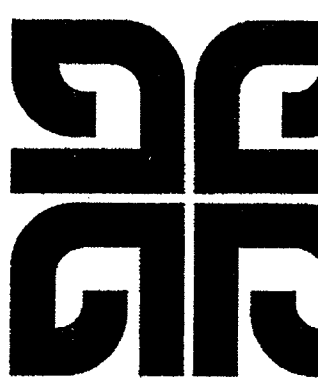


1 **BUILDING THREE**
FIRST FLOOR LOBBY POWER AND SYSTEMS PLAN
 SCALE 1/8" = 1'-0"

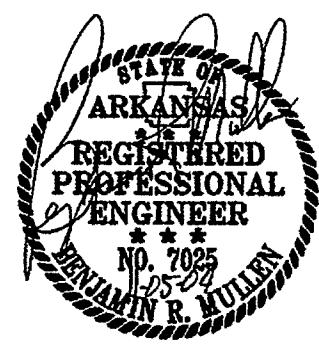


2 **BUILDING THREE**
SECOND AND THIRD FLOOR LOBBY POWER AND SYSTEMS PLAN
 SCALE 1/8" = 1'-0"

NEW RESIDENCE HALL
COMMUNITY
 ARKANSAS STATE UNIVERSITY

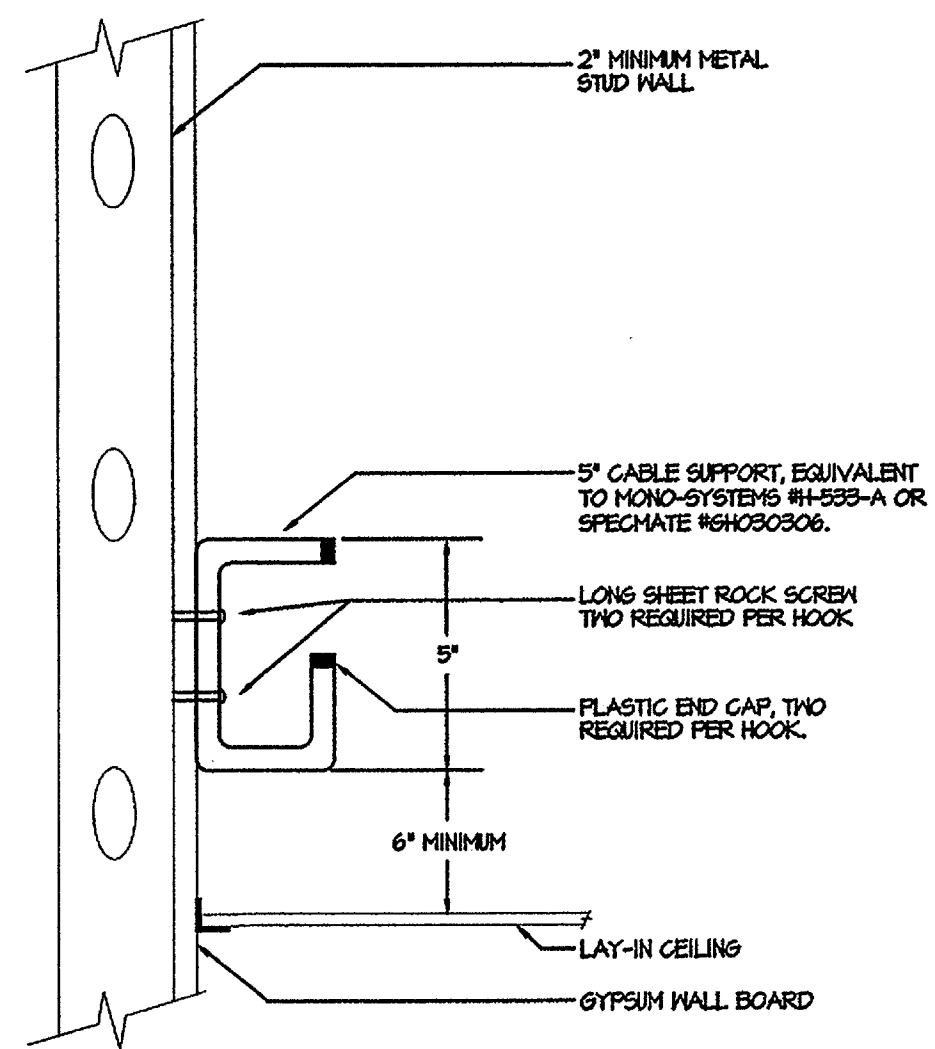


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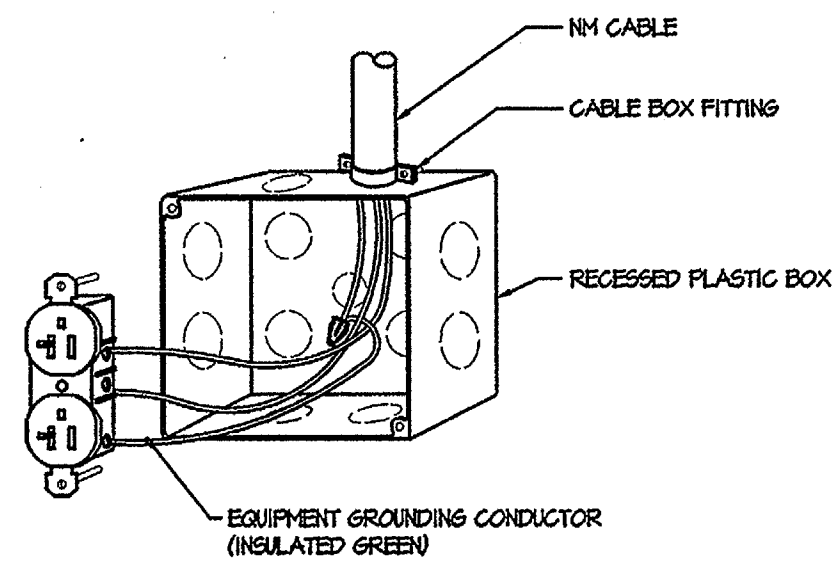
BUILDING THREE
 LOBBY POWER AND
 SYSTEMS PLAN

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 10404R
E21
 Date: November 5,



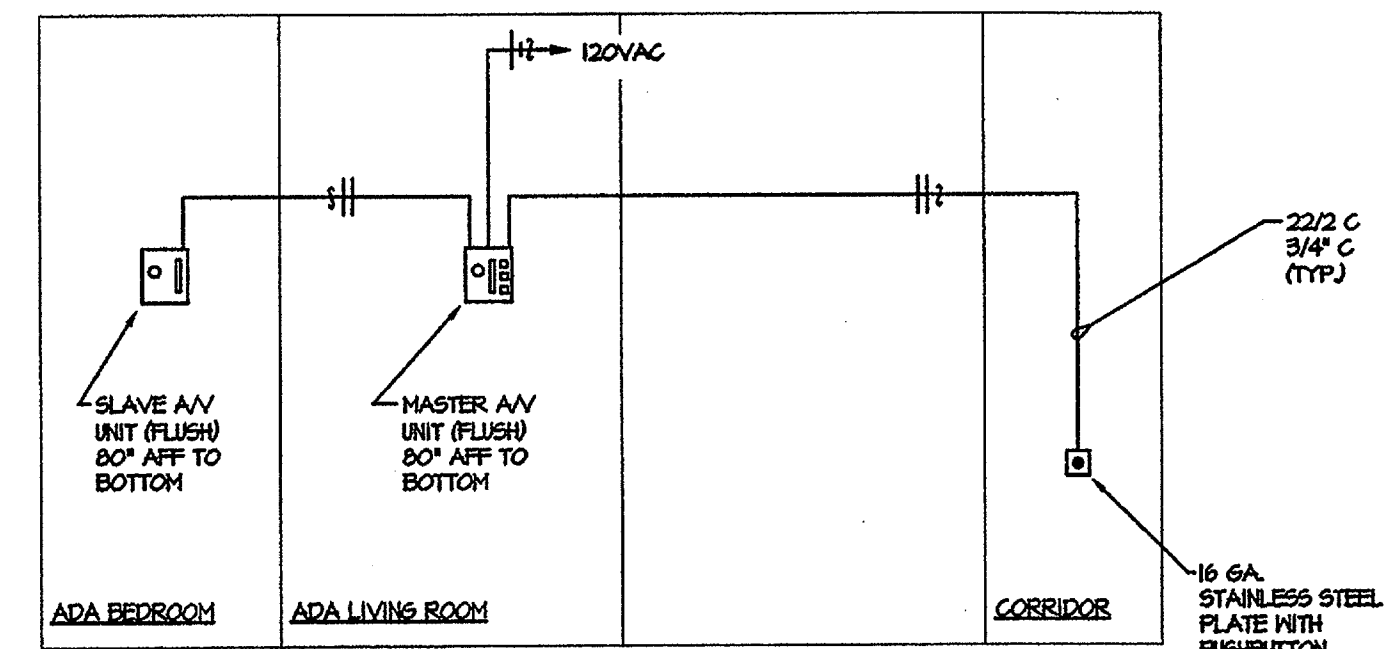
① SYSTEM CABLE SUPPORT DETAIL
SCALE: NONE

NOTE: MOUNT CABLE SUPPORTS ABOVE ACCESSIBLE CORRIDOR CEILING AT 5'-0" ON CENTER ON BOTH SIDES OF CORRIDOR.



② DEVICE/JUNCTION BOX GROUNDING DETAIL
SCALE: NONE

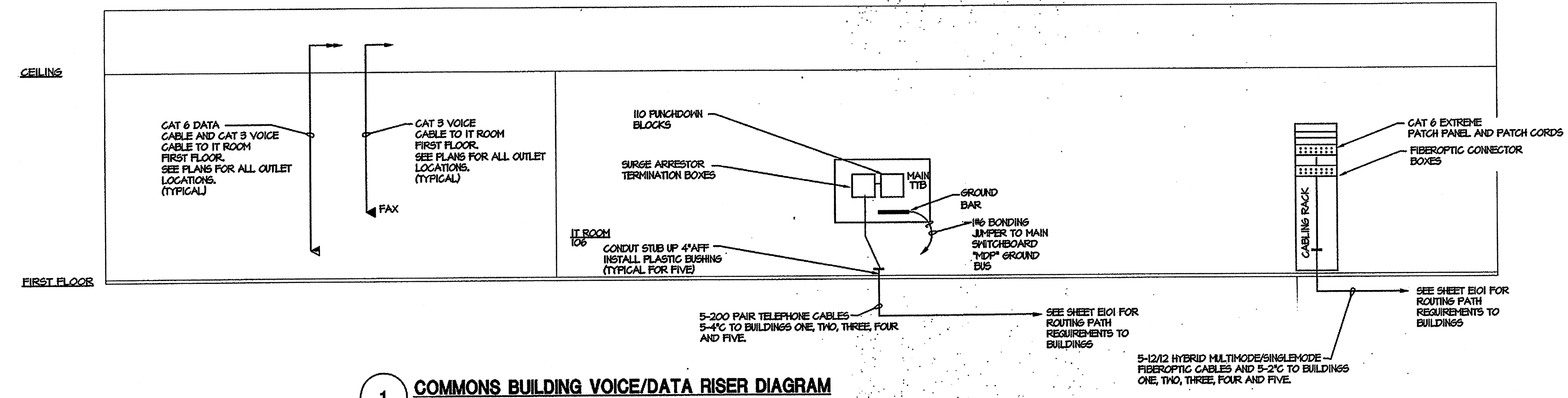
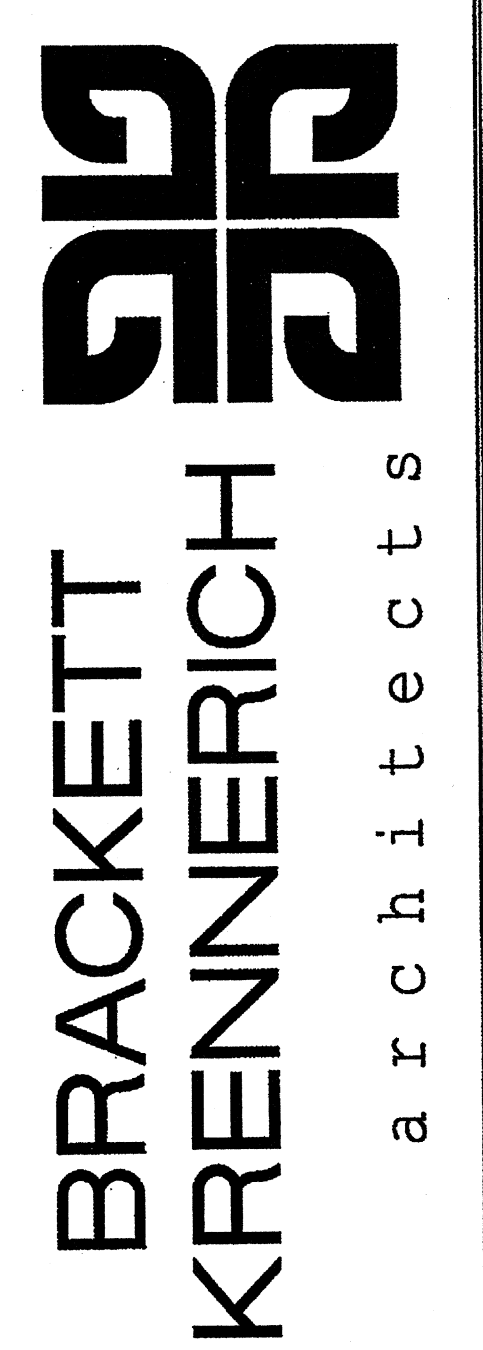
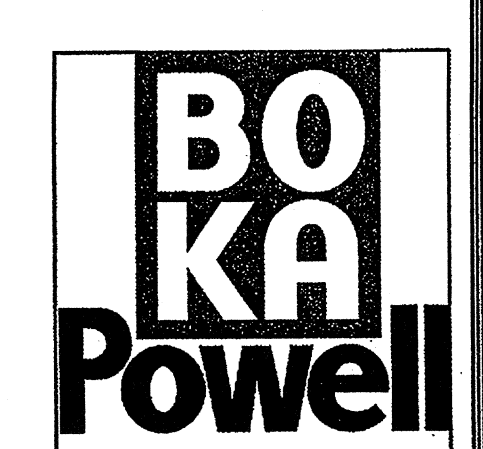
UTILIZE SAME GROUNDING METHOD FOR SWITCHES



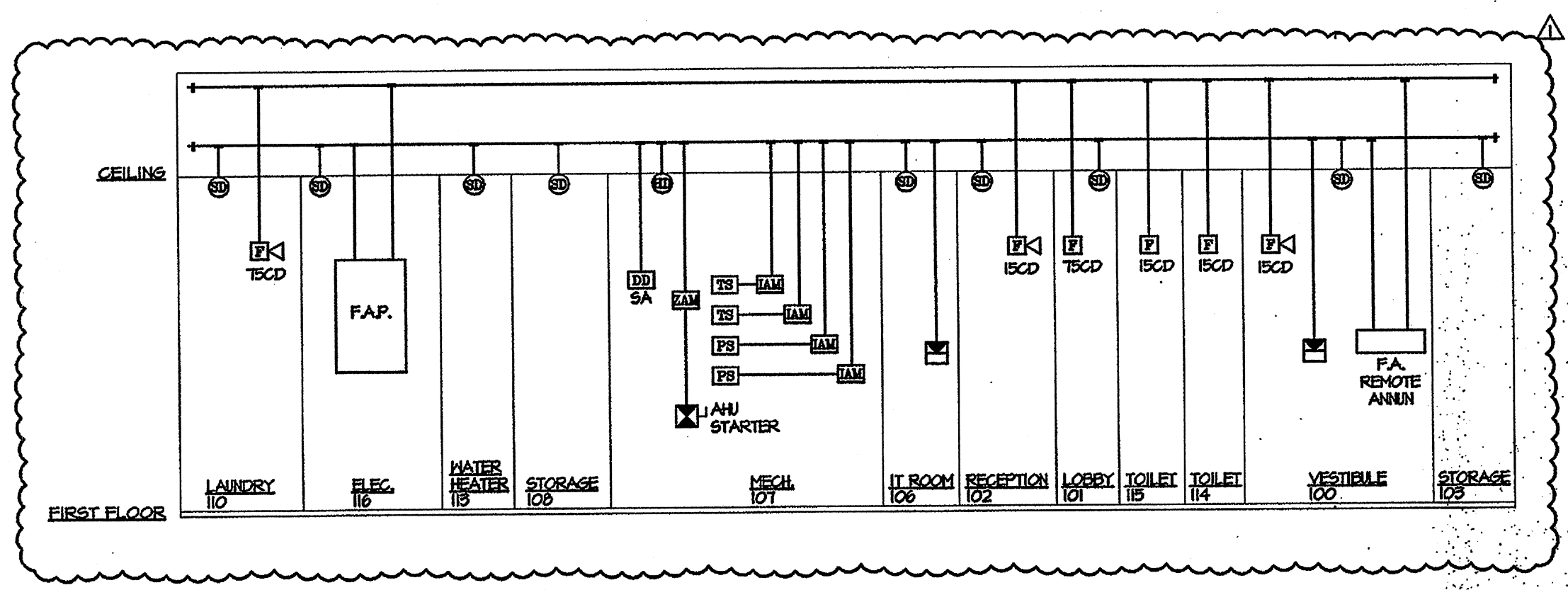
NOTE: ALL COMPONENTS SHALL BE AS MANUFACTURED BY HOUSING DEVISE INC. #ADA120

③ ADA / HEALING IMPAIRED DOOR ENTRY COMMUNICATION SYSTEM
RISER DIAGRAM
SCALE: NTS



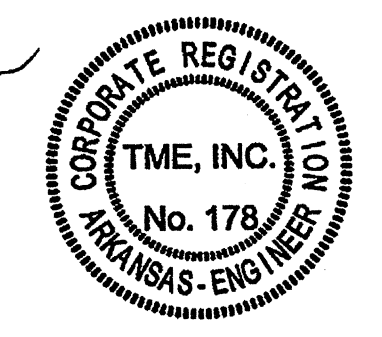


1 COMMONS BUILDING VOICE/DATA RISER DIAGRAM
NTS



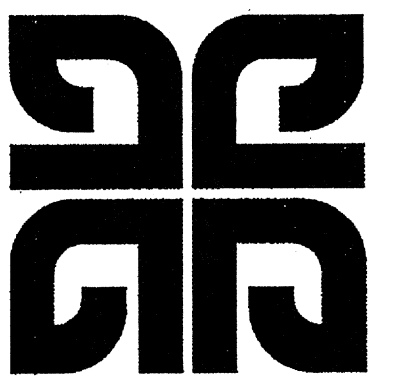
2 COMMONS BUILDING FIRE ALARM SYSTEM RISER DIAGRAM
NTS

MAY 24, 2005

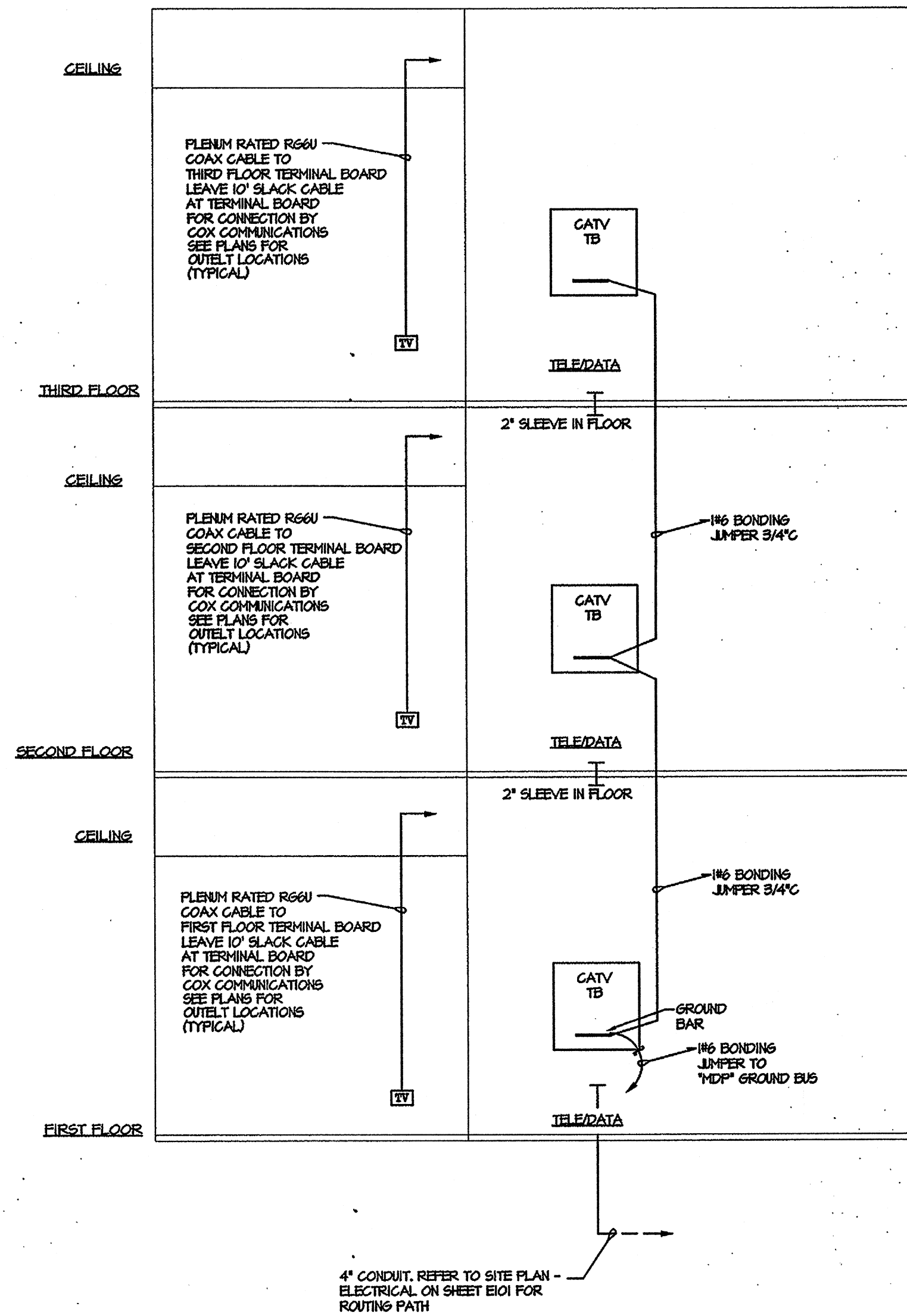


COMMONS BUILDING
VOICE/DATA
RISER DIAGRAM

Commission Number
10404R
E402
Date: November 5, 2004



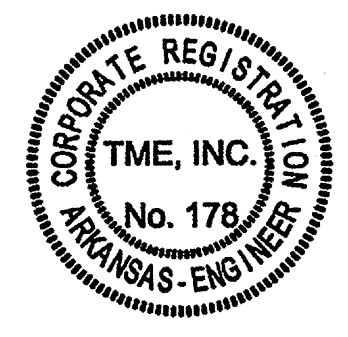
**BRACKETT
KRENNERICH**
a r c h i t e c t s



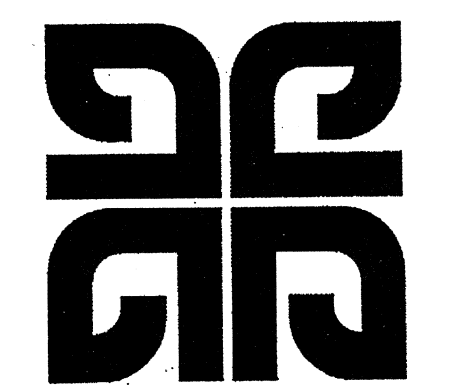
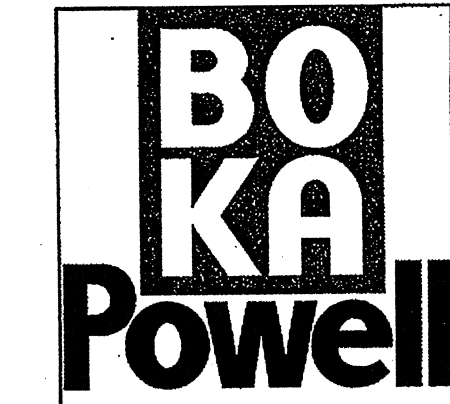
ALL TELEPHONE, FIBEROPTIC AND CATV FLOOR SLEEVES SHALL BE SEALED WITH FIRE RATED SYSTEM EQUAL TO GSD SYSTEMS RISEP SEALING SYSTEM. INSTALL SYSTEM AFTER ALL CABLE INSTALLATIONS.

1 BUILDING ONE, TWO, THREE, FOUR AND FIVE CABLE/TV RISER DIAGRAM

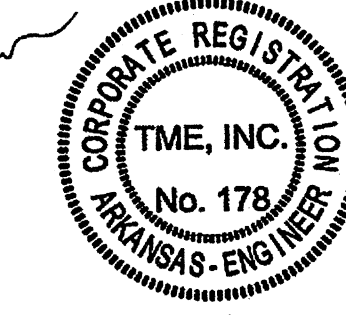
BUILDINGS ONE, TWO, THREE, FOUR AND FIVE CABLE/TV RISER DIAGRAM



Commission Number
10404R
E403
Date: November 5, 2004

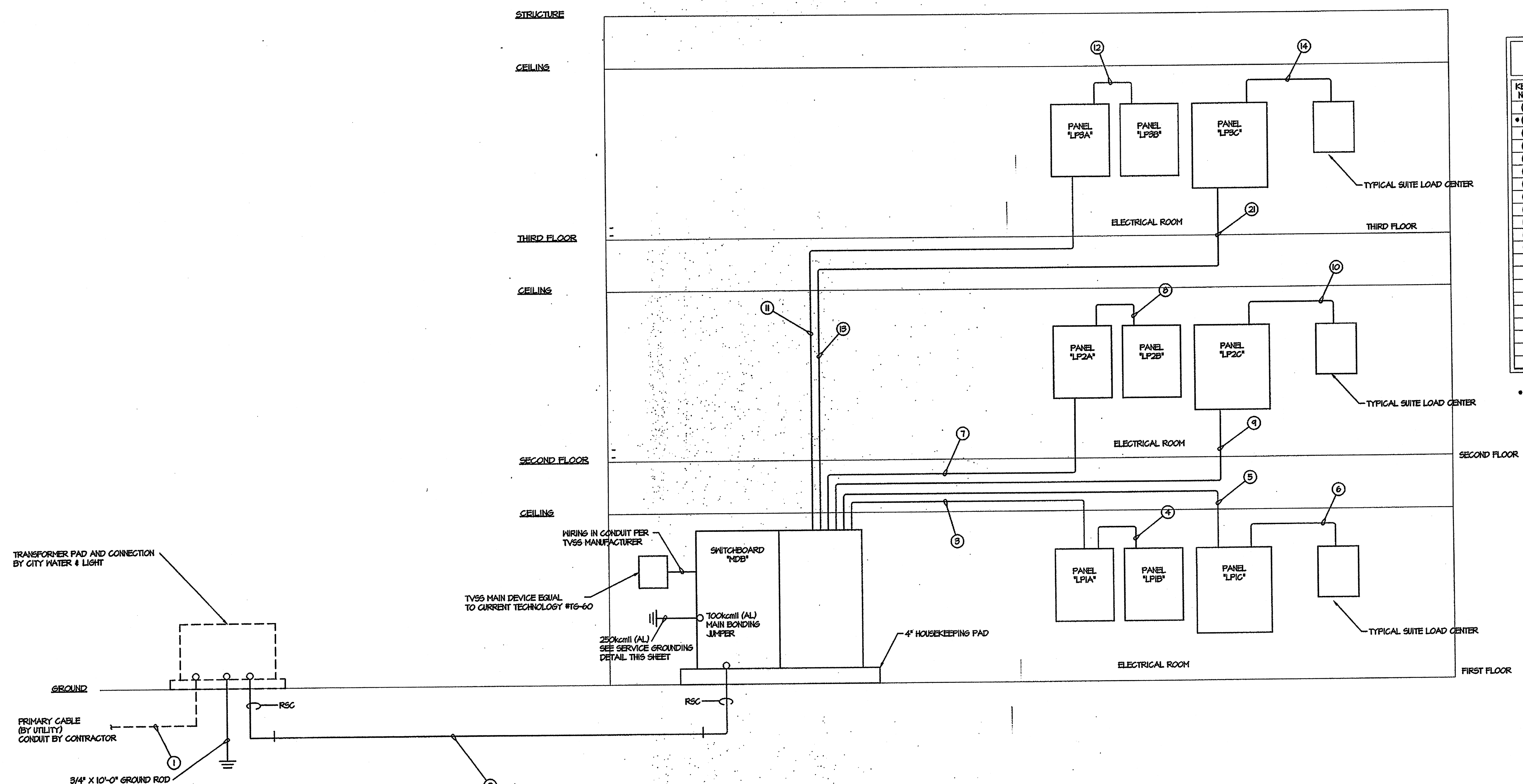


MAY 24, 2005

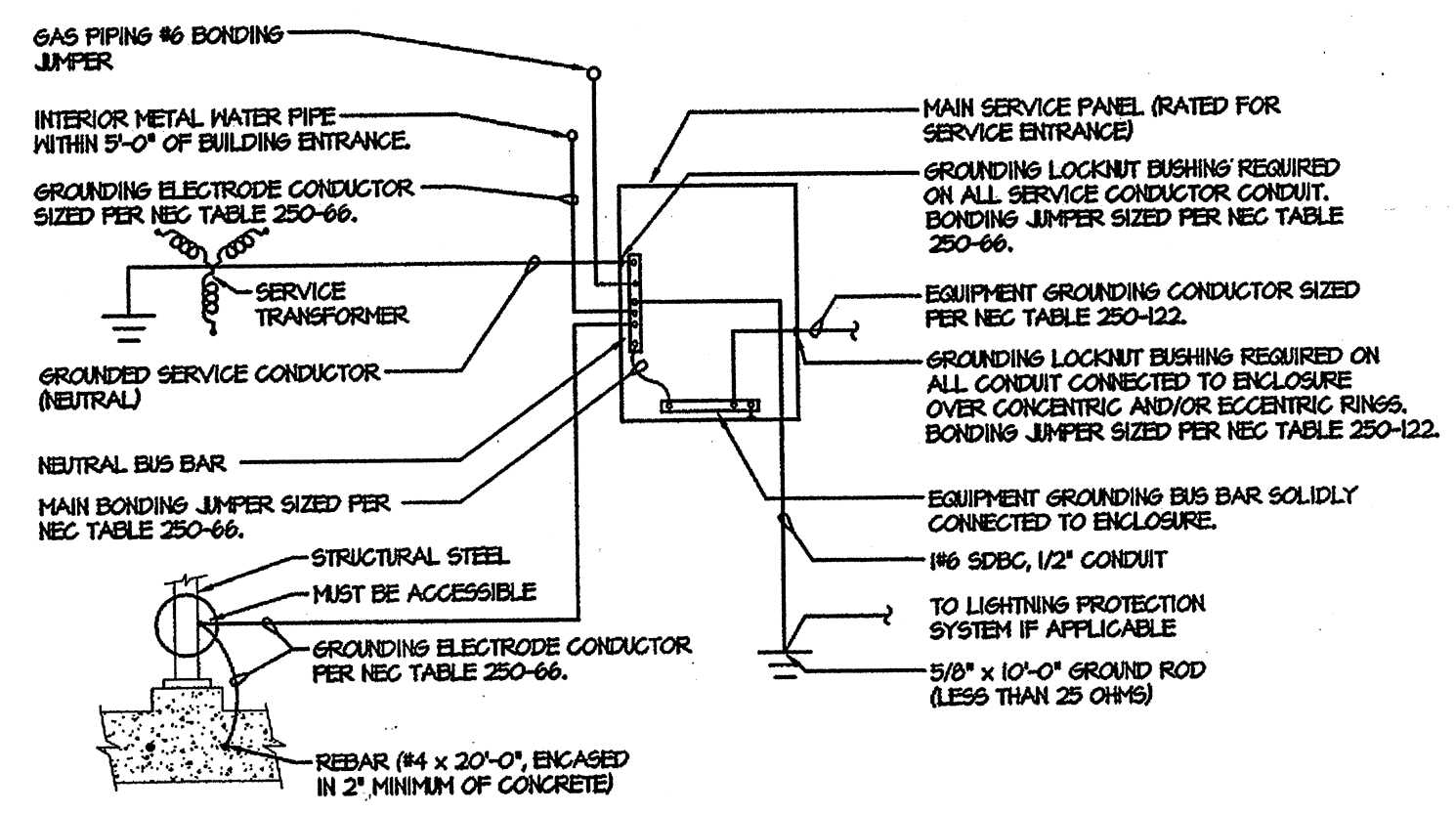


KEYED NOTE	DESCRIPTION	WIRE/CONDUIT
(1)	PRIMARY UTILITY FEEDER	BY CITY WATER AND LIGHT
(2)	SECONDARY SERVICE ENTRANCE	7 SETS x (4) 100kcmil (AL), 4" FC AND 1 SPARE 4" FC FUTURE
(3)	PANEL "LP1A" FEEDER	4-300kcmil (AL), 1#2EG (AL), 2 1/2" FC
(4)	PANEL "LP1B" FEEDER	4# (AL), 1#EG (AL), 1 1/2" FC
(5)	PANEL "LP1C" FEEDER	3 SETS x (4) 400kcmil (AL), 1#10EG (AL), 3" FC
(6)	LOAD CENTER FEEDER (1ST FLOOR)	3# (AL), 1#6 EG (AL), SE CABLE
(7)	PANEL "LP2A" FEEDER	4# (AL), 1#EG (AL), 2" FC
(8)	PANEL "LP2B" FEEDER	4# (AL), 1#EG (AL), 1 1/2" FC
(9)	PANEL "LP2C" FEEDER	3 SETS x (4) 400kcmil (AL), 1#10EG (AL), 3" FC
(10)	LOAD CENTER FEEDER (2ND FLOOR)	3# (AL), 1#6 EG (AL), SE CABLE
(11)	PANEL "LP3A" FEEDER	4# (AL), 1#EG (AL), 2" FC
(12)	PANEL "LP3B" FEEDER	4# (AL), 1#EG (AL), 1 1/2" FC
(13)	PANEL "LP3C" FEEDER	3 SETS x (4) 400kcmil (AL), 1#10EG (AL), 3" FC
(14)	LOAD CENTER FEEDER (3RD FLOOR)	3# (AL), 1#6 EG (AL), SE CABLE
(15)	SECONDARY SERVICE ENTRANCE	3 SETS x (4) 100kcmil (AL), 4" FC
(16)	PANEL "LP1" FEEDER	4# (AL), 1#EG (AL), 2" FC
(17)	PANEL "LP1" FEEDER	4# (AL), 1#EG (AL), 2" FC
(18)	PANEL "LP1B" FEEDER	4-300kcmil (AL), 1#2EG (AL), 2 1/2" FC
(19)	A.T.S./PANEL "EM" FEEDER	4# (AL), 1#EG (AL), 1 1/4" FC
(20)	A.T.S./GENERATOR	4# (AL), 1#EG (AL), 1 1/4" FC

CONTRACTOR MAY USE OTHER CONFIGURATION OF SERVICE CONDUCTORS TO COMPLY WITH 2500 AMPERE SERVICE. COORDINATE NUMBER OF PARALLEL CONDUCTORS WITH CIRCUIT BREAKER LOGS.

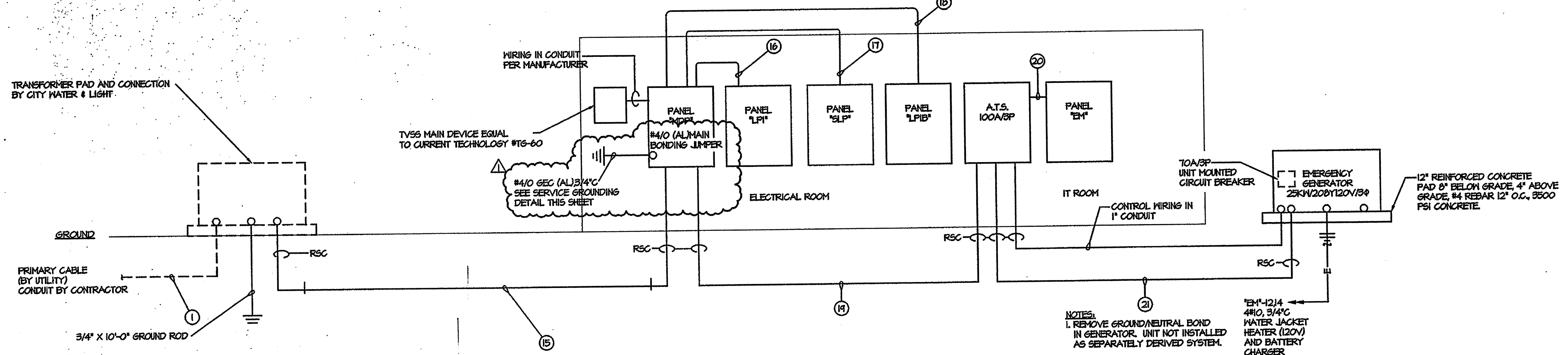


1 BUILDINGS 1 THROUGH 5 POWER SYSTEM RISER DIAGRAM



2 ELECTRICAL SERVICE GROUNDING AND BONDING DETAIL
SCALE: NONE

NOTE: ALL SERVICE GROUNDING/BONDING SHALL COMPLY WITH ARTICLE 250 OF THE NEC 2002 EDITION.



1 COMMONS BUILDING POWER SYSTEM RISER DIAGRAM

NOTES:
1. REMOVE GROUND/NEUTRAL BOND IN GENERATOR. UNIT NOT INSTALLED AS SEPARATELY DERIVED SYSTEM.

COMMONS BUILDING 443.8A

PANELBOARD: "MDP"	VOLTAGE: 208Y120V/3Ø/4W	CU BUS RATING: 600A	MAIN: 600A CIRCUIT BREAKER	TOTAL CONNECTED VA: 159,906		
LOCATION: ELECTRICAL ROOM	MFG AND TYPE: SQUARE D I-LINE RATED FOR SERVICE ENTRANCE	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 53,459		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 25,000	FED FROM: PAD MOUNTED UTILITY TRSF.	TOTAL BB: 53,254		
				TOTAL CB: 53,193		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
1	QZH	70A	1/20	1	2	19,536
2	QZH	225A	1/20	3	4	9,936
3	100A	100A	1/20	5	6	11,736
4	100A	100A	1/20	7	8	9,936
5	FA	30A	1/20	9	10	8,316
6	QZH	150A	1/20	11	12	7,690
7	QZH	150A	1/20	13	14	11,037
8	FA	50A/2P	1/20	15	16	5,000
9	FA	50A	1/20	17	18	5,000
10	FA	100A	1/20	19	20	
11	FA	100A	1/20	21	22	
12	FA	100A	1/20	23	24	

COMMONS BUILDING (95A)

PANELBOARD: "SLP"	VOLTAGE: 208Y120V/3Ø/4W	CU BUS RATING: 225A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 32,534		
LOCATION: ELECTRICAL ROOM	MFG AND TYPE: SQUARE D NOOD	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 11,037		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 22,000	FED FROM: PANEL "MDP"	TOTAL BB: 11,092		
				TOTAL CB: 10,405		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
100			1/20	1	2	910
1200			1/20	3	4	910
1200	1200		1/20	5	6	910
1200	1200		1/20	7	8	1365
1350	1350		1/20	9	10	1365
1350	1350		1/20	11	12	1365
1350	1350		1/20	13	14	1365
1350	1350		1/20	15	16	1365
1200	1200		1/20	17	18	1365
1200	1200		1/20	19	20	1365
1500	1500		1/20	21	22	1137
			1/20	23	24	1137
			1/20	25	26	
			1/20	27	28	
			1/20	29	30	
			1/20	31	32	
			1/20	33	34	
			1/20	35	36	
			1/20	37	38	
			1/20	39	40	
			1/20	41	42	

COMMONS BUILDING (67.0A)

PANELBOARD: "LP1"	VOLTAGE: 208Y120V/3Ø/4W	CU BUS RATING: 225A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 24,156		
LOCATION: ELECTRICAL ROOM	MFG AND TYPE: SQUARE D NOOD	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 8,150		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 22,000	FED FROM: PANEL "MDP"	TOTAL BB: 7,690		
				TOTAL CB: 8,316		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
100			1/20	1	2	600
180			1/20	3	4	1000
750	1360		1/20	5	6	1000
780	900		1/20	7	8	1200
200	750		1/20	9	10	1500
1000	1440		1/20	11	12	1500
600			1/20	13	14	600
			1/20	15	16	1656
			1/20	17	18	1200
			1/20	19	20	1200
			1/20	21	22	1200
			1/20	23	24	1440
			1/20	25	26	1200
			1/20	27	28	1200
			1/20	29	30	1200
			1/20	31	32	1200
			1/20	33	34	1440
			1/20	35	36	1200
			1/20	37	38	1200
			1/20	39	40	1200
			1/20	41	42	1200

COMMONS BUILDING (47A)

PANELBOARD: "EM"	VOLTAGE: 208Y120V/3Ø	CU BUS RATING: 100A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 16,800		
LOCATION: IT ROOM	MFG AND TYPE: SQUARE D NOOD	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 6,350		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 10,000	FED FROM: A.T.S.	TOTAL BB: 5,450		
				TOTAL CB: 5,000		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
900			1/20	1	2	2500
600			1/20	3	4	2500
1750	1750		1/20	5	6	600
1750	1750		1/20	7	8	600
			1/20	9	10	1500
			1/20	11	12	
			1/20	13	14	600
			1/20	15	16	
			1/20	17	18	
			1/20	19	20	
			1/20	21	22	
			1/20	23	24	
			1/20	25	26	
			1/20	27	28	
			1/20	29	30	

COMMONS BUILDING (171A)

PANELBOARD: "LP1B"	VOLTAGE: 208Y120V	CU BUS RATING: 225A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 61,608		
LOCATION: ELECTRICAL ROOM	MFG AND TYPE: SQUARE D NOOD	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 22,536		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 22,000	FED FROM: PANEL "MDP"	TOTAL BB: 19,536		
				TOTAL CB: 19,536		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
1800			1/20	1	2	1800
1800	1800		1/20	3	4	1800
1800	1800		1/20	5	6	1800
1800	1800		1/20	7	8	1800
1800	1800		1/20	9	10	1800
1800	1800		1/20	11	12	1800
1800	1800		1/20	13	14	1800
1800	1800		1/20	15	16	600
1800	1800		1/20	17	18	600
1800	1800		1/20	19	20	936
1800	1800		1/20	21	22	936
1800	1800		1/20	23	24	936
1800	1800		1/20	25	26	1800
1800	1800		1/20	27	28	1800
1800	1800		1/20	29	30	1800
1800	1800		1/20	31	32	1800
			1/20	33	34	1800
			1/20	35	36	1800
			1/20	37	38	1800
			1/20	39	40	1800
			1/20	41	42	1800

BUILDING ONE, TWO, THREE, FOUR, AND FIVE (2349A)

SWITCHBOARD: "MDB"	VOLTAGE: 208Y120V/3Ø	CU BUS RATING: 2500A	MAIN: 2500A CIRCUIT BREAKER	TOTAL CONNECTED VA: 846,376		
LOCATION: FIRST FLOOR ELECTRICAL ROOM	MFG AND TYPE: SQUARE D QED	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 272,837		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 65,000	FED FROM: PAD MOUNTED UTILITY TRSF.	TOTAL BB: 300,092		
				TOTAL CB: 273,447		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
1			1/20	1	2	11,621
2			1/20	3	4	12,361
3			1/20	5	6	90,375
4			1/20	7	8	8,903
5			1/20	9	10	89,775
6			1/20	11	12	81,045
7			1/20	13	14	8,903
8			1/20	15	16	89,375
9			1/20	17	18	81,045
10			1/20	19	20	
11			1/20	21	22	
12			1/20	23	24	

BUILDING ONE, TWO, THREE, FOUR, AND FIVE (135A)

PANELBOARD: "LP1A"	VOLTAGE: 208Y120V/3Ø	CU BUS RATING: 225A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 48,753		
LOCATION: FIRST FLOOR ELECTRICAL ROOM	MFG AND TYPE: SQUARE D I-LINE	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 16,221		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 35,000	FED FROM: SWITCHBOARD "MDB"	TOTAL BB: 16,881		
				TOTAL CB: 15,651		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
605			1/20	1	2	690
570			1/20	3	4	475
600	800		1/20	5	6	100
600	1040		1/20	7	8	360
			1/20	9	10	600
			1/20	11	12	600
			1/20	13	14	
			1/20	15	16	800
			1/20	17	18	600
			1/20	19	20	
			1/20	21	22	
			1/20	23	24	
			1/20	25	26	
			1/20	27	28	
			1/20	29	30	
			1/20	31	32	
			1/20	33	34	
			1/20	35	36	
600			1/20	37	38	7566
			1/20	39	40	7631
			1/20	41	42	8266

BUILDING ONE, TWO, THREE, FOUR, AND FIVE (65A)

PANELBOARD: "LP1B"	VOLTAGE: 208Y120V/3Ø	CU BUS RATING: 100A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 23,463		
LOCATION: FIRST FLOOR ELECTRICAL ROOM	MFG AND TYPE: SQUARE D I-LINE	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 7,566		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 35,000	FED FROM: PANEL "LP1A"	TOTAL BB: 7,631		
				TOTAL CB: 8,266		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
5666			1/20	1	2	900
1000	5666		1/20	3	4	900
			1/20	5	6	900
			1/20	7	8	465
			1/20	9	10	465
			1/20	11	12	1500
			1/20	13	14	600
			1/20	15	16	
			1/20	17	18	
			1/20	19	20	
			1/20	21	22	
			1/20	23	24	
			1/20	25	26	
			1/20	27	28	
			1/20	29	30	

BUILDING ONE, TWO, THREE, FOUR, AND FIVE (703A)

PANELBOARD: "LP1C"	VOLTAGE: 208Y120V/3Ø	CU BUS RATING: 800A	MAIN: LUGS ONLY	TOTAL CONNECTED VA: 253,370		
LOCATION: FIRST FLOOR ELECTRICAL ROOM	MFG AND TYPE: SQUARE D I-LINE	EQUIP. GRD. CU BUS: YES	ISOL. GRD. CU BUS: NO	TOTAL AB: 81,750		
MOUNTING: SURFACE	ENCLOSURE: NEMA 1	MINIMUM A.I.C. RATING: 42,000	FED FROM: SWITCHBOARD "MDB"	TOTAL BB: 90,375		
				TOTAL CB: 81,245		
LOAD (VA)		SERVES		LOAD (VA)		
A#	B#	C#	P/T	CIR. NO.	P/T	C#
5880			2	1	2	8730
9425			2	3	4	9225
9225	8730					

BUILDING ONE, TWO, THREE, FOUR AND FIVE (62A)

PANELBOARD: "LP2B"/"LP3B"		VOLTAGE: 208Y120V/3Ø		CU BUS RATING: 225A		MAIN: LUGS ONLY		TOTAL CONNECTED VA: 22,304			
SECOND FLOOR/ THIRD FLOOR ELECTRICAL ROOM		MFG AND TYPE: SQUARE D NQ00		EQUIP. GRD. CU BUS: YES		ISOL. GRD. CU BUS: NO		TOTAL AB: 7,423			
MOUNTING: SURFACE		ENCLOSURE: NEMA 1		MINIMUM A.I.C. RATING: 22,000		FED FROM: "LP2A"/"LP3A"		TOTAL BB: 6,923			
LOAD (VA)		SERVES		P/T		CIR. NO.		LOAD (VA)			
A#	B#	C#		P/T	CIR. NO.	P/T	CIR. NO.	A#	B#	C#	
792			MAU-12/13	3	1	2	1/20	FOU-1216/1316			365
	792			3	3	4	1/20	SPARE			
				15	5	6	1/20	WATER HEATER			1500
5666			EDH-1	3	7	8	1/20	FEP PANEL			600
	5666			9	9	10	1/20	FCU/EP			465
				60	11	12	1/20	SPARE			
				1/20	13	14	1/20	SPARE			
				1/20	15	16	1/20	SPARE			
				1/20	17	18	1/20	SPARE			
				1/20	19	20	1/20	SPARE			
				1/20	21	22	1/20	SPARE			
				1/20	23	24	1/20	SPACE W/BUS			
				1/20	25	26	1/20	SPACE W/BUS			
				1/20	27	28	1/20	SPACE W/BUS			
				1/20	29	30	1/20	SPACE W/BUS			

BUILDING ONE, TWO, THREE, FOUR AND FIVE (667A)

PANELBOARD: "LP2C"/"LP3C"		VOLTAGE: 208Y120V/3Ø		CU BUS RATING: 800A		MAIN: LUGS ONLY		TOTAL CONNECTED VA: 251,370			
SECOND FLOOR/ THIRD FLOOR ELECTRICAL ROOM		MFG AND TYPE: SQUARE D I-LINE		EQUIP. GRD. CU BUS: YES		ISOL. GRD. CU BUS: NO		TOTAL AB: 80,550			
MOUNTING: SURFACE		ENCLOSURE: NEMA 1		MINIMUM A.I.C. RATING: 42,000		FED FROM: SWITCHBOARD "MDB"		TOTAL BB: 89,775			
LOAD (VA)		SERVES		P/T		CIR. NO.		LOAD (VA)			
A#	B#	C#		P/T	CIR. NO.	P/T	CIR. NO.	A#	B#	C#	
8730			LOAD CENTER LC121/131	2	1	2	2	LOAD CENTER LC1211/1311			8730
	9225			100	3	4	100				9225
		8730	LOAD CENTER LC122/132	2	5	6	2	LOAD CENTER LC1212/1312			8730
				100	7	8	100				9225
9225			LOAD CENTER LC123/133	2	9	10	2	LOAD CENTER LC1213/1313			8730
	8730			100	11	12	100				9225
		9225	LOAD CENTER LC124/134	2	13	14	2	LOAD CENTER LC1214/1314			8730
				100	15	16	100				9225
8730			LOAD CENTER LC125/135	2	17	18	1/20	SPARE			
	9225			100	19	20	1/20	SPARE			
		8730	LOAD CENTER LC126/136	2	21	22	1/20	SPARE			
				100	23	24	2	SPARE			
8730			LOAD CENTER LC127/137	2	25	26	100				
	9225			100	27	28	1/20	SPACE ONLY			
		8730	LOAD CENTER LC128/138	2	29	30	1/20	SPACE ONLY			
				100	31	32	1/20	SPACE ONLY			
9225			LOAD CENTER LC129/139	2	33	34	1/20	SPACE ONLY			
	8730			100	35	36	1/20	SPACE ONLY			
		9225	SPARE	1/20	37	38	1/20	SPACE ONLY			
			LOAD CENTER LC1210/1310	2	39	40	1/20	SPACE ONLY			
	8730			100	41	42	1/20	SPACE ONLY			

BUILDING ONE, TWO, THREE, FOUR, AND FIVE (76A)

PANELBOARD: "LP2A"/"LP3A"		VOLTAGE: 208Y120V/3PH		CU BUS RATING: 225A		MAIN: LUGS ONLY		TOTAL CONNECTED VA: 27,299			
SECOND FLOOR/ THIRD FLOOR ELECTRICAL ROOM		MFG AND TYPE: SQUARE D NQ00		EQUIP. GRD. CU BUS: YES		ISOL. GRD. CU BUS: NO		TOTAL AB: 9,183			
MOUNTING: SURFACE		ENCLOSURE: NEMA 1		MINIMUM A.I.C. RATING: 22,000		FED FROM: SWITCHBOARD "MDB"		TOTAL BB: 8,903			
LOAD (VA)		SERVES		P/T		CIR. NO.		LOAD (VA)			
A#	B#	C#		P/T	CIR. NO.	P/T	CIR. NO.	A#	B#	C#	
540			LIGHTS - CORRIDOR	1/20	1	2	1/20	RECPTS - TELE/DATA			600
	475		LIGHTS - CORRIDOR	1/20	3	4	1/20	RECPTS - TELE/DATA			600
		800	RECPTS - CORRIDOR	1/20	5	6	1/20	RECPTS. MECH, ELEC, LOBBY			1200
			RECPTS - CORRIDOR	1/20	7	8	1/20	SPARE			
600			LIGHT SCONCES CORRIDOR	1/20	9	10	1/20	FOU/EF-2			465
	1040		LIGHTS LOBBY	1/20	11	12	1/20	SPARE			
		755	SPARE	1/20	13	14	1/20	SPARE			
			SPARE	1/20	15	16	1/20	SPARE			
			SPACE ONLY	1/20	17	18	1/20	SPACE ONLY			
			SPACE ONLY	1/20	19	20	1/20	SPACE ONLY			
			SPACE ONLY	1/20	21	22	1/20	SPACE ONLY			
			SPACE ONLY	1/20	23	24	1/20	SPACE ONLY			
			SPACE ONLY	1/20	25	26	1/20	SPACE ONLY			
			SPACE ONLY	1/20	27	28	1/20	SPACE ONLY			
			SPACE ONLY	1/20	29	30	1/20	SPACE ONLY			
			SPACE ONLY	1/20	31	32	1/20	SPACE ONLY			
			SPACE ONLY	1/20	33	34	1/20	SPACE ONLY			
			SPACE ONLY	1/20	35	36	1/20	SPACE ONLY			
			SPACE ONLY	1/20	37	38	3	PANEL "LP2B"/"LP3B"			7423
			SPACE ONLY	1/20	39	40					6923
			SPACE ONLY	1/20	41	42	100				6458

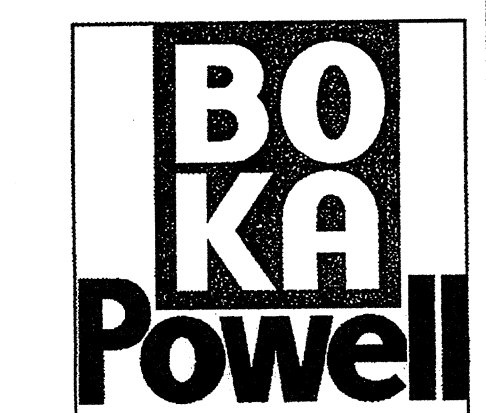
QUAD SUITE LOAD CENTER (86A)

LOAD CENTER: "LCXXX"		VOLTAGE: 208/120/1PH		CU BUS RATING: 125A		MAIN: LUGS ONLY		TOTAL CONNECTED VA: 17,955			
KITCHENETTE		MFG AND TYPE: SQUARE D "00"		EQUIP. GRD. CU BUS: YES		ISOL. GRD. CU BUS: NO		TOTAL AB: 8,730			
MOUNTING: FLUSH		ENCLOSURE: NEMA 1		MINIMUM A.I.C. RATING: 10,000		FED FROM: "LPXX"		TOTAL BB: 9,225			
LOAD (VA)		SERVES		P/T		CIR. NO.		LOAD (VA)			
A#	B#	C#		P/T	CIR. NO.	P/T	CIR. NO.	A#	B#	C#	
880			LIGHTS	1/20	1	2	1/20	RECPTS - KITCHENETTE			1500
	1210		LIGHTS	1/20	3	4	1/20	RECPT - U C REFRIG			600
			RECPT - VANITY	1/20	5	6	1/20	RECPT - MICROWAVE			1500
600			RECPTS - BEDROOMS	1/20	7	8	1/20	RECPT - VANITY			600
	1000		RECPTS - KITCHEN/LR	1/20	9	10	1/20	RECPTS - BEDROOMS			1200
			HEATER/FAN/LIGHT - TOILET	1/20	11	12	1/20	FAN COIL UNIT			365
2250			WATER HEATER	2	13	14	1/20	SPARE			
	2250			30	15	16	1/20	SPARE			
			SPARE	1/20	17	18	1/20	SPARE			
			HEATER/FAN/LIGHT TOILET	1/20	19	20	1/20	SPARE			

QUAD ADA SUITE LOAD CENTER (88A)

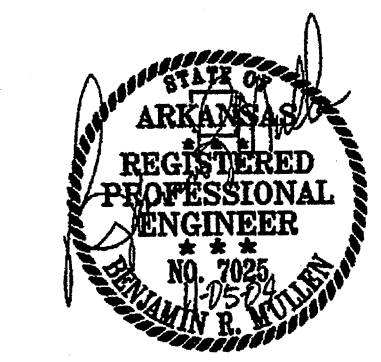
LOAD CENTER: "LCXXX"		VOLTAGE: 208/120/1PH		CU BUS RATING: 125A		MAIN: LUGS ONLY		TOTAL CONNECTED VA: 18,355			
KITCHENETTE		MFG AND TYPE: SQUARE D "00"		EQUIP. GRD. CU BUS: YES		ISOL. GRD. CU BUS: NO		TOTAL AB: 8,930			
MOUNTING: FLUSH		ENCLOSURE: NEMA 1		MINIMUM A.I.C. RATING: 10,000		FED FROM: "LPXX"		TOTAL BB: 9,425			
LOAD (VA)		SERVES		P/T		CIR. NO.		LOAD (VA)			
A#	B#	C#		P/T	CIR. NO.	P/T	CIR. NO.	A#	B#	C#	
780			LIGHTS	1/20	1	2	1/20	RECPTS - KITCHENETTE			1500
	1210		LIGHTS	1/20	3	4	1/20	RECPT - U C REFRIG			600
			RECPT - VANITY	1/20	5	6	1/20	RECPT - MICROWAVE			1500
600			RECPTS - BEDROOMS	1/20	7	8	1/20	RECPT - VANITY			600
	1000		RECPTS - KITCHEN/LR	1/20	9	10	1/20	RECPTS - BEDROOMS			1200
			FAN/HEATER/LIGHT - TOILET	1/20	11	12	1/20	FAN COIL UNIT			365
2250			WATER HEATER	2	13	14	1/20	SPARE			
	2250			30	15	16	1/20	SPARE			
			ADA DOOR NOTIFICATION	1/20	17	18	1/20	SPARE			
			FAN/HEATER LIGHT - TOILET	1/20	19	20	1/20	SPARE			

**NEW RESIDENCE HALL
COMMUNITY**
ARKANSAS STATE UNIVERSITY
JONESBORO, ARKANSAS

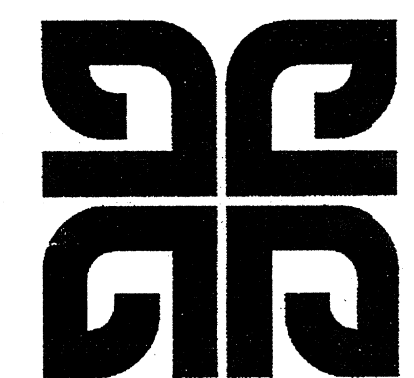
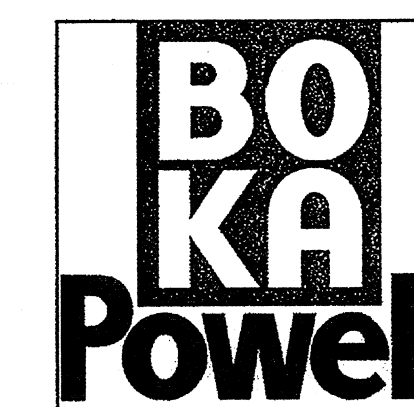


**BRACKETT
KRENNERICH**
architects

ELECTRICAL PANEL SCHEDULES



Commission Number
10404R
E502
Date: November 5, 2004

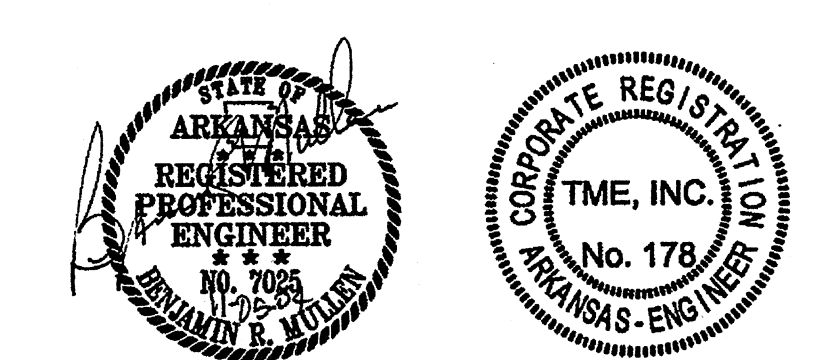


LIGHT FIXTURE SCHEDULE				
TYPE	MANUFACTURER CAT. NO.	VOLT	LAMP	REMARKS
A	COURTLEY #5323-15	120	2-15W/VA1	SURFACE MOUNTED INCANDESCENT
B	COURTLEY #5321-15	120	1-60W/VA1	SURFACE MOUNTED INCANDESCENT
C	COURTLEY #5322-15	120	2-60W/VA1	SURFACE MOUNTED INCANDESCENT
D	COURTLEY #61035-TT1	120	1-00W/VA1	MINI PENDENT INCANDESCENT
E	COURTLEY #4730-15	120	4-100W/625/F	24" 4 LAMPS INCANDESCENT VANITY STRIP.
F	SILTRON #6FR-6H	6VDC	W UNIT	RECESSED REMOTE EMERGENCY LIGHT
G	THOMAS #FTH-18-8	120	1-F18/T8/30K	24" UNDERCABINET FLUORESCENT
H	BETA CALCO #122302/OT/OPA	120	6-F21W/T8/30K	PENDENT INDIRECT FLUORESCENT BOWL
H1	NOT USED	-	-	-
H2	BETA CALCO #122302/OP/IO	120	6-F21W/CF/30K	PENDANT FLUORESCENT BOWL
I	SILTRON #6FR-6H	6VDC	-	REMOTE EMERGENCY HEAD WET LOCATION
K	DAYRITE / CAPRI #CBM6V10-RH400CLR-FB-LAMP	120	1-10W/48/3000K OPEN	RECESSED HID OPEN RATED
L	NOT USED	-	1-10W/48/3000K	SURFACE WALL MOUNTED HID
M	DAYRITE #T23212/EB/C64	120	2-32W/T8/30K	4' FLUORESCENT STRIP WITH MIREGUARD
M1	DAYRITE #T23212/EB/C64-EI	120	2-32W/T8/30K	4' FLUORESCENT STRIP WITH MIRE GUARD AND EMERGENCY BALLAST
N	DAYRITE #01V482-120-1/4EB	120	4-32W/T8/30K	4' FLUORESCENT WRAP ROUND, 4 LAMP
N1	DAYRITE #432-120-1/4EB	120	4-32W/T8/30K	4' FLUORESCENT WRAP ROUND, 4 LAMP WITH EMERGENCY BALLAST
O	DAYRITE #01V482-120-1/4EB	120	2-32W/T8/30K	4' FLUORESCENT WRAP ROUND, 2 LAMP
O1	DAYRITE #01V482-120-1/4EB-EI	120	2-32W/T8/30K	4' FLUORESCENT WRAP ROUND, 2 LAMP WITH EMERGENCY BALLAST
P	OMEGA #3632PL1H-T6C65	120	1-32W/T1/30K	FLUORESCENT DOWNLIGHT
P1	OMEGA #3632PL1EM-T6C65	120	1-32W/T1/30K	4' FLUORESCENT DOWNLIGHT WITH EMERGENCY BALLAST
Q	COURTLEY #FR20-15	120	1-22W/CQC/30K 1-32W/CQC/30K	SURFACE MOUNTED FLUORESCENT BOWL
R	DAYRITE #CB232H-120-1/2	120	2-32W/T8/30K	4' WALL MOUNTED FLUORESCENT
R1	DAYRITE #CB232H-120-1/2EB/01-EB50	120	2-32W/T8/30K	4' WALL MOUNTED FLUORESCENT WITH EMERGENCY BALLAST
S	BETA CALCO #605-02-OT-OP-1	120	2-28W/CF/30K	FLUORESCENT WALL SCONCE
T	DAYRITE #216621T-04-120-1/2EB-LPT-T80-FI	120	2-11W/T8/30K	FLUORESCENT LAY-IN WITH PRISMATIC LENS
U	NOT USED	-	-	-
U1	NOT USED	-	-	-
V	NOT USED	-	-	-
V1	NOT USED	-	-	-
W	CAPRI #CP104-CT24-CT18H-CA2048-CT1038	120	1-50W/PAR30/FL	PENDANT TRACK LIGHT
X	SILTRON #PL52	120	W UNIT	UNIVERSAL EXIT SIGN
Y	SILTRON #EB-50	120	W UNIT	SELF-CONTAINED EMERGENCY LIGHT
Z	SILTRON #RSH0	120	W UNIT	SELF-CONTAINED EMERGENCY LIGHT WITH ADDITIONAL REMOTE CAPABILITY
1	EMCO #AVA-3-F-400NH-208-ERP-566-30-5-II-D1	208	1-400W/WH	PARKING LOT SHOEBOX 30' SQUARE STEEL POLE SINGLE FIXTURE TYPE IV DISTRIBUTION
2	EMCO #AVA-3-F-400NH-208-ERP-566-30-5-II-D2	208	2-400W/WH	PARKING LOT SHOEBOX 30' SQUARE STEEL POLE DOUBLE FIXTURE TYPE IV DISTRIBUTION
1,4	EMCO #AVA-3-F-400NH-208-ERP-566-30-5-II-D2	208	1-400W/WH	PARKING LOT SHOEBOX 30' SQUARE STEEL POLE QUAD FIXTURE TYPE IV DISTRIBUTION
3	ASU STANDARD POST TOP HID	208	1-250W/WH	LIGHT FIXTURE AND POLE FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
5	NOT USED	-	-	-

* STANDARD COLOR/TRIM AS SELECTED BY ARCHITECT.

SYMBOLS SCHEDULE					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLUORESCENT LIGHTING OUTLET - CEILING MOUNTED		DUPLEX RECEPTACLE - GROUND FAULT CIRCUIT INTERRUPTING AND WEATHER-PROOF TYPES AS INDICATED ON PLANS		FIRE ALARM PULL STATION
	FLUORESCENT LIGHTING OUTLET - CEILING MOUNTED WITH EMERGENCY BALLAST		DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP - VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS		FP SPRINKLER FLOW SWITCH ALARM CHIME ACTIVATION ONLY BY FLOW SWITCH
	UNDER CABINET FLUORESCENT LIGHTING OUTLET		DUPLEX RECEPTACLE - IN FLUSH MOUNTED CAST FLOOR BOX		HEAT DETECTOR
	INCANDESCENT, COMPACT FLUORESCENT, OR HID LIGHTING OUTLET - CEILING MOUNTED		SPECIAL PURPOSE OUTLET - NEMA CONFIGURATION (VOLTAGE, AMPACITY) INDICATED		SMOKE DETECTOR
	INCANDESCENT, COMPACT FLUORESCENT, OR HID LIGHTING OUTLET - CEILING MOUNTED SELF CONTAINED RECESSED EMERGENCY DOWN LIGHT.		JUNCTION BOX		SMOKE DETECTOR SINGLE STATION WITH INTERNAL AUDIBLE DEVICE
	INCANDESCENT, COMPACT FLUORESCENT, OR HID LIGHTING OUTLET - WALL MOUNTED		NONFUSED DISCONNECT SWITCH - SIZE NOTED ON PLAN		DUCT SMOKE DETECTOR
	FLUORESCENT STRIP FIXTURE		COMBINATION MOTOR STARTER AND DISCONNECT SWITCH		TAMPER SWITCH FURN. BY DIV. 15
	FLUORESCENT STRIP FIXTURE WITH EMERGENCY BALLAST		FUSED DISCONNECT SWITCH		FLOW SWITCH FURN. BY DIV. 15
	FLUORESCENT LIGHTING OUTLET-WALL MOUNTED		NON-FUSED DISCONNECT SWITCH		DOOR HOLDER FURNISHED WITH DOOR HARDWARE
	FLUORESCENT LIGHTING OUTLET-WALL MOUNTED WITH EMERGENCY BALLAST		ELECTRIC MOTOR		ABOVE FINISHED FLOOR ABOVE FINISHED GRADE
	EXIT SIGN		SURFACE MOUNTED PANEL BOARD		ABOVE COUNTER NON-SWITCHED
	EXIT SIGN - WALL MOUNTED		FLUSH MOUNTED PANEL BOARD		VOICE OUTLET
	BATTERY-POWERED EMERGENCY LIGHT		COMBINATION VOICE/DATA OUTLET		VOICE OUTLET - WALL MOUNTED
	LIGHTING CONTACTOR		COMBINATION VOICE/DATA OUTLET - FLUSH MOUNTED TYPE IN FLOOR SLAB		DATA OUTLET
	SINGLE-POLE SWITCH		BRANCH CIRCUIT HOMERUN - PANEL # CIRCUIT NUMBER INDICATED		TELEVISION OUTLET
	TWO-POLE SWITCH		FLEXIBLE CONDUIT		DOOR NOTIFICATION MASTER UNIT
	THREE-WAY SWITCH		BRANCH CIRCUIT IN CONDUIT - HOT LEG, SWITCH LEG, NEUTRAL, AND EQUIPMENT GROUND		DOOR NOTIFICATION SLAVE UNIT
	FOUR-WAY SWITCH		CONDUIT CONCEALED IN OR BELOW FLOOR SLAB OR UNDERGROUND		DOOR NOTIFICATION PUSHBUTTON
	MANUAL MOTOR STARTER WITH OVERLOADS, TOGGLE OPERATED		FIRE ALARM AUDIO/VISUAL DEVICE (10DBA MINIMUM STROBE CANDELA RATING AS SHOWN ON PLANS)		
	DUPLEX RECEPTACLE		FIRE ALARM VISUAL DEVICE STROBE CANDELA RATING AS SHOWN ON PLANS		

GENERAL ELECTRICAL NOTES	
1.	EACH CIRCUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR, AND MULTI-WIRE CIRCUITS OF DIFFERENT PHASES MAY SHARE EQUIPMENT GROUND CONDUCTOR. EQUIPMENT GROUND CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
2.	ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER, AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING EXCITED LEGS AT TERMINALS.
3.	MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
4.	ALL WIRING DEVICES SHALL BE INSTALLED PLUMB, SQUARE AND TRUE, AND ALL DEVICES INSTALLED AT A SINGLE LOCATION SHALL BE ALIGNED.
5.	MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE SPECIFIED.
6.	ALL WORK SHALL COMPLY WITH THE 2002 EDITION OF THE NATIONAL ELECTRICAL CODE.
7.	CONTRACTOR SHALL REFER TO THE ARCHITECTURAL ELEVATIONS AND MILLWORK DETAILS FOR EXACT LOCATIONS OF ALL WIRING DEVICES.
8.	CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LAY-IN LIGHT FIXTURES.
9.	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING ALL SWITCHES, RECEPTACLES, AND FIXED EQUIPMENT WITH THE BRANCH CIRCUIT PANEL NAME AND NUMBER SERVING EACH DEVICE.
10.	ALL CONDUIT SHALL BE INSTALLED AS HIGH AS POSSIBLE (MOUNT TO BOTTOM OF STRUCTURE) TO AVOID CONFLICTS WITH DUCTWORK AND PIPING. THE ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR.
11.	ON THREE PHASE, FOUR WIRE SYSTEMS, DO NOT USE A COMMON NEUTRAL FOR MORE THAN THREE CIRCUITS. MORE THAN THREE CIRCUITS IN ANY ONE CONDUIT IS NOT ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
12.	ON SINGLE PHASE, THREE WIRE SYSTEMS, DO NOT USE A COMMON NEUTRAL FOR MORE THAN TWO CIRCUITS. MORE THAN TWO CIRCUITS IN ANY ONE CONDUIT IS NOT ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.



DESIGN NOTES

THIS WET SYSTEM HAS BEEN DESIGNED TO A .10 GPM FOR THE MOST REMOTE 4 HEADS WITH A 100 GPM HOSE STREAM ALLOWANCE. MAXIMUM HEAD COVERAGE NOT TO EXCEED 225 SQ. FT. ALL PIPE TO BE INSTALLED PER NFPA-13 STANDARDS. PIPE AND FITTINGS GROOVED & THREADED UL-FM LISTED VALVES & DEVICES ARE UL-FM LISTED FEED & CROSS MAIN TO BE BLAZEMASTER CPVC BRANCHLINES TO BE BLAZEMASTER CPVC REMOTE AREA HAS BEEN HYDRAULICALLY CALCULATED CONSTRUCTION: WOOD OCCUPANCY: EDUCATIONAL HOUSING IMPORTANT: IN LOCALITIES SUBJECT TO FREEZING CONDITIONS IT IS THE OWNERS RESPONSIBILITY TO PROVIDE HEAT THROUGHOUT WET PIPE SPRINKLER SYSTEM AREAS AND IN ENCLOSURES FOR DRY PIPE, DELUGE, OR OTHER TYPES OF VALVES CONTROLLING WATER SUPPLIES TO SPRINKLER SYSTEMS

EQUIPMENT NOMENCLATURE

- 1 CONCRETE THRUST BLOCK
- 2 4" M.S. 90 ELL WITH 3/4" M.L.T.R.
- 3 4" DUCTILE IRON
- 4 4" X 2" FLANGED REDUCING 90 ELL
- 5 TAMPER SWITCH (WRING BY OTHERS)
- 6 2" WILKINS 350 DA DETECTOR CHECK ASSEMBLY
- 7 2" FLANGED 90 ELL
- 8 3/4" MAIN DRAIN VALVE
- 9 WATER GATE KIT
- 10 WATER FLOW SWITCH (WRING BY OTHERS)
- 11 2" GROOVE X CPVC SLP ADAPTER
- 12 TEST AND DRAIN VALVE
- 13 2" CPVC 90 ELL
- 14 2" PIPING TO SPRINKLER SYSTEM
- 15 ELECTRIC BELL (WRING BY OTHERS)
- 16 SPRINKLER HEAD CABINET
- 17 PIPE STAND
- 18 3/4" MAIN DRAIN PIPED TO OUTSIDE WITH GALVANIZED 45 ELL AND WALL PLATE

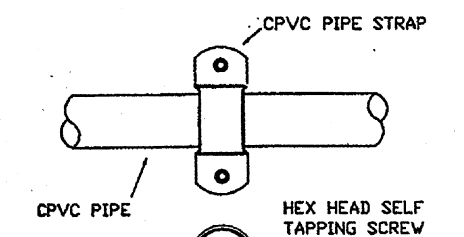
EQUIPMENT NOMENCLATURE

- 1 2" CPVC 90 ELL
- 2 2" GROOVE X SLP ADAPTER
- 3 2" CHECK VALVE
- 4 1/2" X 2" GROOVED REDUCING COUPLING
- 5 THREADED TEE
- 6 BALL DRP VALVE
- 7 PIPING TO OUTSIDE WITH GALVANIZED 45 ELL AND WALL PLATE
- 8 1/2" SINGLE SHOOT F.A.C.
- 9 1/2" GALVANIZED THREADED PIPE
- 10 RED PIPE ATTACHMENT

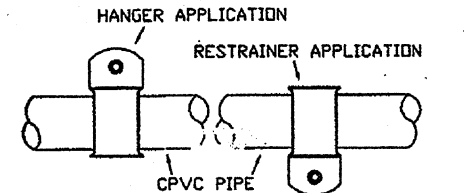
RISER DETAIL
NTS

FIRE DEPARTMENT CONNECTION DETAIL
NTS

RISER DETAIL BUILDING THREE
NTS



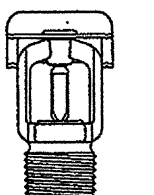
DOUBLE FASTENER
CPVC PIPE STRAP



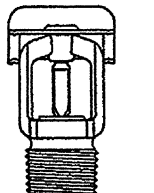
SINGLE FASTENER
CPVC PIPE STRAP



TYCO
MODEL FRB PENDENT



TYCO
MODEL FRB SIDEWALL



TYCO
MODEL LF2 SIDEWALL

BLAZEMASTER PIPE SOR 13.5 (ASTM F442) HANGER SPACING		
NOMINAL SIZE Inches (mm)	MAX SPACING feet (m)	MAX SPACING feet (m)
3/4"	(20.0)	5.5' (1.7)
1"	(25.0)	6.0' (1.8)
1 1/4"	(32.0)	6.5' (2.0)
1 1/2"	(40.0)	7.0' (2.1)
2"	(50.0)	8.0' (2.4)
2 1/2"	(65.0)	9.0' (2.7)
3"	(80.0)	10.0' (3.0)

MAXIMUM SUPPORT SPACING DISTANCE END LINE SPRINKLER HEAD DROP ELBOW		
PIPE SIZE Inches	SYSTEM PRESSURE < 100 psi	> 100 psi
3/4"	8'	6'
1"	12'	8'
1 1/4"	16'	12'
1 1/2"-3"	24'	12'

MAXIMUM SUPPORT SPACING DISTANCE INLINE SPRINKLER HEAD DROP TEE		
PIPE SIZE Inches	SYSTEM PRESSURE < 100 psi	> 100 psi
3/4"	4'	3'
1"	5'	4'
1 1/4"	6'	5'
1 1/2"-3"	7'	7'

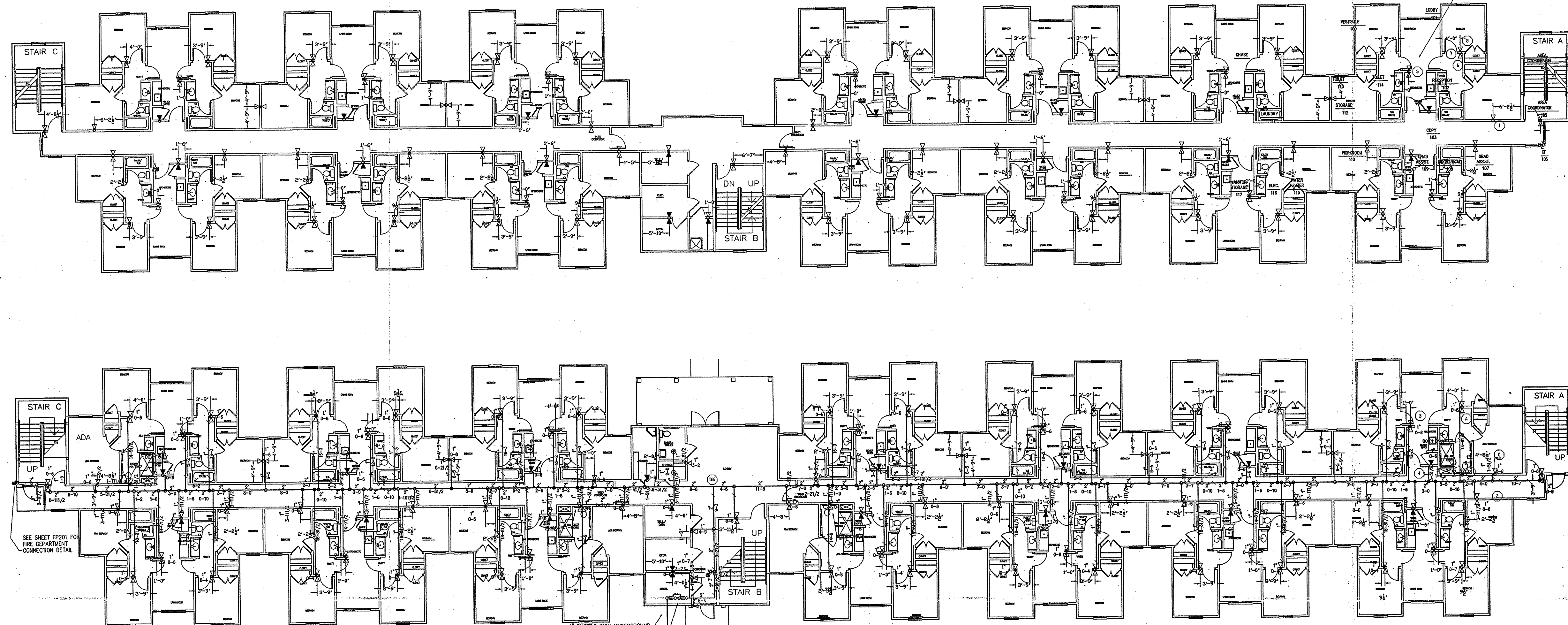
MINIMUM ALLOWABLE HANGERS PER LENGTH OF PIPE			
PIPE SIZE Inches	Span Length		
	1 Hanger	2 Hangers	3 Hangers
3/4"	0'-0" TO 5'-0"	0'-7" TO 11'-0"	11'-1" TO 16'-0"
1"	0'-0" TO 6'-0"	5'-1" TO 12'-0"	12'-1" TO 18'-0"
1 1/4"	0'-0" TO 6'-5"	6'-2" TO 13'-0"	13'-1" TO 19'-5"
1 1/2"	0'-0" TO 7'-0"	7'-1" TO 14'-0"	14'-1" TO 21'-0"
2"	0'-0" TO 8'-0"	8'-1" TO 16'-0"	16'-1" TO 24'-0"
2 1/2"	0'-0" TO 9'-0"	9'-1" TO 18'-0"	18'-1" TO 27'-0"
3"	0'-0" TO 10'-0"	10'-1" TO 20'-0"	20'-1" TO 30'-0"

DO'S

- INSTALL PRODUCT ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DESIGN MANUAL.
- FOLLOW RECOMMENDED SAFE WORK PRACTICES.
- MAKE CERTAIN THAT THREAD SEALANTS, GASKET LUBRICANTS, OR FIRE STOP MATERIALS ARE COMPATIBLE WITH BLAZEMASTER CPVC PIPE AND FITTINGS.
- USE ONLY LATEX-BASED PAINTS IF PAINTING IS DESIRED.
- KEEP PIPE AND FITTINGS IN ORIGINAL PACKAGING UNTIL NEEDED.
- COVER PIPE AND FITTINGS WITH AN OPAQUE TARP IF STORED OUTDOORS.
- FOLLOW PROPER HANDLING PROCEDURES.
- USE TOOLS SPECIFICALLY DESIGNED FOR USE WITH PLASTIC PIPE AND FITTINGS.
- USE PROPER SOLVENT CEMENT AND FOLLOW APPLICATION INSTRUCTIONS.
- USE A DROP CLOTH TO PROTECT INTERIOR FINISHES.
- CUT THE PIPE ENDS SQUARE.
- DEBURR AND BEVEL THE PIPE END BEFORE SOLVENT CEMENTING.
- ROTATE THE PIPE ONE EIGHTH TO ONE QUARTER TURN WHEN BOTTOMING PIPE IN FITTING SOCKET.
- AVOID FLOODING OF SOLVENT CEMENT IN FITTINGS AND PIPE.
- MAKE CERTAIN THAT SOLVENT CEMENT DOES NOT RUN AND PLUG THE SPRINKLER HEAD ORIFICE.
- FOLLOW THE MANUFACTURER'S RECOMMENDED CURE TIMES PRIOR TO PRESSURE TESTING.
- FILL LINES SLOWLY AND BLEED THE AIR FROM THE SYSTEM PRIOR TO PRESSURE TESTING.
- SUPPORT SPRINKLER HEAD PROPERLY TO PREVENT LIFT UP OF THE HEAD THROUGH THE CEILING WHEN ACTIVATED.
- KEEP THREADED ROD WITHIN 1/16" (1.588 mm) OF THE PIPE.
- INSTALL BLAZEMASTER CPVC IN WET PIPE SPRINKLER SYSTEMS ONLY.
- USE ONLY INSULATION AND/OR GYPSUM AND WATER SOLUTIONS FOR FREEZE PROTECTION.
- ALLOW FOR MOVEMENT DUE TO EXPANSION AND CONTRACTION.

DO NOT'S

- DO NOT USE EMULSION OILS SUCH AS CRISCO AS A GASKET LUBRICANT.
- DO NOT USE PETROLEUM OR SOLVENT-BASED PAINTS, SEALANTS, LUBRICANTS OR FIRE STOP MATERIALS.
- DO NOT USE ANY GLYCOL BASED SOLUTIONS AS AN ANTI-FREEZE.
- DO NOT MIX GLYCERIN AND WATER SOLUTIONS IN CONTAMINATED CONTAINERS.
- DO NOT USE BOTH TEFLON TAPE AND THREAD SEALANTS SIMULTANEOUSLY.
- DO NOT USE SOLVENT CEMENT THAT EXCEEDS ITS SHELF LIFE OR HAS BECOME DISCOLORED OR GELLED.
- DO NOT CONNECT IRON METAL COUPLERS TO BLAZEMASTER CPVC GROOVED ADAPTERS.
- DO NOT THREAD, GROOVE OR DRILL BLAZEMASTER CPVC PIPE, OR WHEN SMOKING.
- DO NOT PRESSURE TEST UNTIL RECOMMENDED CURE TIMES ARE MET.
- DO NOT USE DULL OR BROKEN CUTTING TOOL BLADES WHEN CUTTING BLAZEMASTER PIPE.
- DO NOT USE BLAZEMASTER CPVC PIPE THAT HAS BEEN STORED OUTDOORS, UNPROTECTED AND IS FADED IN COLOR.
- DO NOT ALLOW THREADED ROD TO COME IN CONTACT WITH THE PIPE.
- DO NOT INSTALL BLAZEMASTER CPVC PIPE AND FITTINGS IN COLD WEATHER WITHOUT ALLOWING FOR EXPANSION.
- DO NOT INSTALL BLAZEMASTER CPVC PIPE AND FITTINGS IN DRY SYSTEMS.
- DO NOT PRESSURE TEST WITH AIR OR COMPRESSED GAS.



MEZZANINE FIRE PROTECTION PLAN
Scale: 3/32" = 1'-0"

"AS BUILT"

<p>IMPORTANT</p> <p>IN LOCALITIES SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE HEAT THROUGHOUT WET PIPE SPRINKLER SYSTEM AREAS AND IN ENCLOSURES FOR DRY PIPE RELIEF AND OTHER TYPES OF VALVES CONTROLLING WATER SUPPLIES TO SPRINKLER SYSTEMS. THIS DRAWING AND THE INFORMATION AND DESIGN APPLICATION HEREIN CONTAINED IS THE PROPERTY OF GRINNELL FIRE PROTECTION SYSTEMS COMPANY, INC. AND FOR ITS SUBSIDIARIES AND IS LOANED UPON EXPRESS CONDITIONS THAT THE SAME BE RETURNED TO GFPS UPON REQUEST. ALL INFORMATION HEREIN IS UNCLASSIFIED.</p>	<p>CONTRACT RESPONSIBILITIES</p> <table border="1"> <tr> <th>ITEM</th> <th>RESP.</th> </tr> <tr> <td>Sprinkler System</td> <td>By Grinnell</td> </tr> <tr> <td>Underground Fire Main</td> <td>By Others</td> </tr> </table>	ITEM	RESP.	Sprinkler System	By Grinnell	Underground Fire Main	By Others	<p>SYMBOLS</p> <p>CEILING HT. ABOVE REF. (12'-0")</p> <p>GATE VALVE(S) (NOTES)</p> <p>FIRE HOSE ASSEMBLY</p> <p>FLOW SWITCH (FS)</p> <p>MONITOR SWITCH</p> <p>POST INDICATOR VALVE (PIV)</p> <p>DRY PIPE VALVE</p> <p>WATER CHECK VALVE</p> <p>UNION</p> <p>ELECTRIC BELL</p> <p>WHOLE METER BOX (WMB)</p> <p>FIRE DEPARTMENT (STANDARD)</p> <p>FIRE DEPT. COIN (FALCO)</p> <p>FIRE DEPT. COIN (SIDEWALL)</p> <p>POST INDICATOR VALVE (PIV)</p> <p>KEY GATE SECTIONAL VALVE</p> <p>KEY ROADWAY BOX</p> <p>KEY ROADWAY BOX (2 WAYS)</p>	<p>SPRINKLERS/NOZZLES</p> <table border="1"> <tr> <th>MANUF.</th> <th>MODEL</th> <th>STYLE</th> <th>NPT</th> <th>K</th> <th>ORIFICE</th> <th>TEMP (°F)</th> <th>RESPONSE</th> <th>FINISH</th> <th>ESCUTCHEON</th> <th>NOTES</th> </tr> <tr> <td>TYCO</td> <td>TYFR</td> <td>PENDENT</td> <td>1/2"</td> <td>5.6</td> <td>1/2"</td> <td>155</td> <td>FAST</td> <td>CHROME</td> <td>SEM RECESSED</td> <td></td> </tr> <tr> <td>TYCO</td> <td>TYFR</td> <td>SIDEWALL</td> <td>1/2"</td> <td>5.6</td> <td>1/2"</td> <td>155</td> <td>FAST</td> <td>CHROME</td> <td>SEM RECESSED</td> <td></td> </tr> <tr> <td>TYCO</td> <td>LF2</td> <td>SIDEWALL</td> <td>1/2"</td> <td>5.6</td> <td>1/2"</td> <td>155</td> <td>FAST</td> <td>CHROME</td> <td>SEM RECESSED</td> <td></td> </tr> </table> <p>THIS HEAD COUNT IS FOR ONE TYPICAL BUILDING</p>	MANUF.	MODEL	STYLE	NPT	K	ORIFICE	TEMP (°F)	RESPONSE	FINISH	ESCUTCHEON	NOTES	TYCO	TYFR	PENDENT	1/2"	5.6	1/2"	155	FAST	CHROME	SEM RECESSED		TYCO	TYFR	SIDEWALL	1/2"	5.6	1/2"	155	FAST	CHROME	SEM RECESSED		TYCO	LF2	SIDEWALL	1/2"	5.6	1/2"	155	FAST	CHROME	SEM RECESSED		<p>ABBREVIATIONS</p> <p>APPROVALS</p> <p>REVISIONS</p>	<p>tyco Fire & Security</p> <p>SimplexGrinnell</p> <p>EXECUTIVE OFFICES - HOUSTON, TEXAS, USA LOCAL OFFICE 5700 MARSHALL BLVD. LITTLE ROCK, ARKANSAS 72113 PH. 501-985-0912/FAX 501-985-4844</p> <p>SYSTEM INFO ASU New Residence Hall Bldg. 3 Jonesboro, Arkansas</p> <p>DESIGNER: <i>Radwin & Shell</i></p> <p>CONTRACTOR: <i>Fire Protection Plan</i></p> <p>HYDRAULIC DESIGN DATA DESIGN: 100 GPM @ 100 PSI FLOW: 100 GPM @ 100 PSI TOTAL SYSTEM REQUIREMENTS FLOW: 100 GPM @ 100 PSI PRESSURE: 100 PSI @ 100 PSI</p> <p>SCALE: 3/32" = 1'-0"</p> <p>DATE: 2/2/2005</p>
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