INDEX OF SHEETS

SHEET NUMBER	TITLE
C-1	PAVING AND LAYOUT PLAN
C-2	GRADING AND DRAINAGE PLAN
C-3	SOIL EROSION AND SEDIMENT PLAN
C-4	DETAILS
A-0	COVER SHEET
A-1	FIRST FLOOR PLAN
A-2	SECOND FLOOR PLAN
A-3	ROOF PLAN
A-4	REFLECTED CEILING PLAN - FIRST FLOOR
A-5	REFLECTED CEILING PLAN - SECOND FLOOR
A-6	EXTERIOR ELEVATIONS - NORTH AND EAST
A-7	EXTERIOR ELEVATIONS - SOUTH AND WEST
A-8	WALL SECTIONS & DETAILS
A-9	WALL SECTIONS & DETAILS
A-10	DOOR SCHEDULE, TYPES, FRAMES, AND DETAILS.
A-11	ROOM FINISH SCHEDULE, PRECAST TYPES, DETAILS
A-12	MISCELANEOUS DETAILS
A-13	SECOND FLOOR FRAMING PLAN
A-14	ROOF FRAMING PLAN
S-1	FOUNDATION PLAN
S-2	FRAMING PLAN
S-3	MISCELANEOUS DETAILS
E-1	SCHEDULES, LEGENDS, FIRE ALARM CONNECTOR DETAILS, NUETRAL GRADING SYSTEM
E-2	FIRST FLOOR PLAN - LIGHTING
E-3	SECOND FLOOR PLAN - LIGHTING
E-4	FIRST FLOOR PLAN - POWER
E-5	SECOND FLOOR PLAN - POWER
M-1	FIRST FLOOR PLAN - HVAC
M-2	SECOND FLOOR PLAN - HVAC
M-3	SCHEDULES - LEGEND - NOTES - HVAC HVAC DETAILS
P-1	FIRST FLOOR - PLUMBING PLAN
P-2	SECOND FLOOR - PLUMBING PLAN
P-3	PLUMBING NOTES AND RISERS

A NEW OFFICE BUILDING FOR

THE NEWTON COUNTY WATER AND SEWER AUTHORITY

11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DAA

Design Associates Architects, Inc.

1229 Royal Drive, Suite E, Conyers, Georgia 30094
TELEPHONE (770) 929-3977, FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PLAN REVIEW DATA

I. GENERAL
- A. Property Address: 11325 Brown Bridge Rd., Covington, Georgia
- B. Parking Requirements: Regular: 40 Handicapped: 2
- C. Footprint for New Construction: 4,997 Square Feet
- D. Gross Project Area: New Construction: 9,580 Square Feet
- E. Building Height: 34'-0"
- G. Number Of Stories: 2
- F. Number Of Buildings: 1
- F. Seismic Classification: with Av of $ 0.10

II. CODE REQUIREMENTS
- A. Applicable Building Codes:
  - 1994 SBCC
  - 1994 Life Safety Code
  - 1992 Georgia State Energy Code For Buildings
  - 1993 National Electrical Code
- B. Occupancy Classification:
  - SBCC - Group B - Business
  - LSC - Group B - Business
- D. Type Of Construction
  - SBCC - Type IV Unp/Unspk
  - LSC - Type II 0,0,0/Unspk
- D. Interior Finishes

	EXIT	EXIT ACCESS	OTHER SPACES
SBCC - Business (Spk)	C	C	C

	Walls, Ceilings, Corridors	Interior Finish Office	Interior Finish
LSC - Business	A or B	A,B, or C	I or II

- E. Shafts:
  - 1 Hr. Rated with 'B' Labeled Doors and Frames.

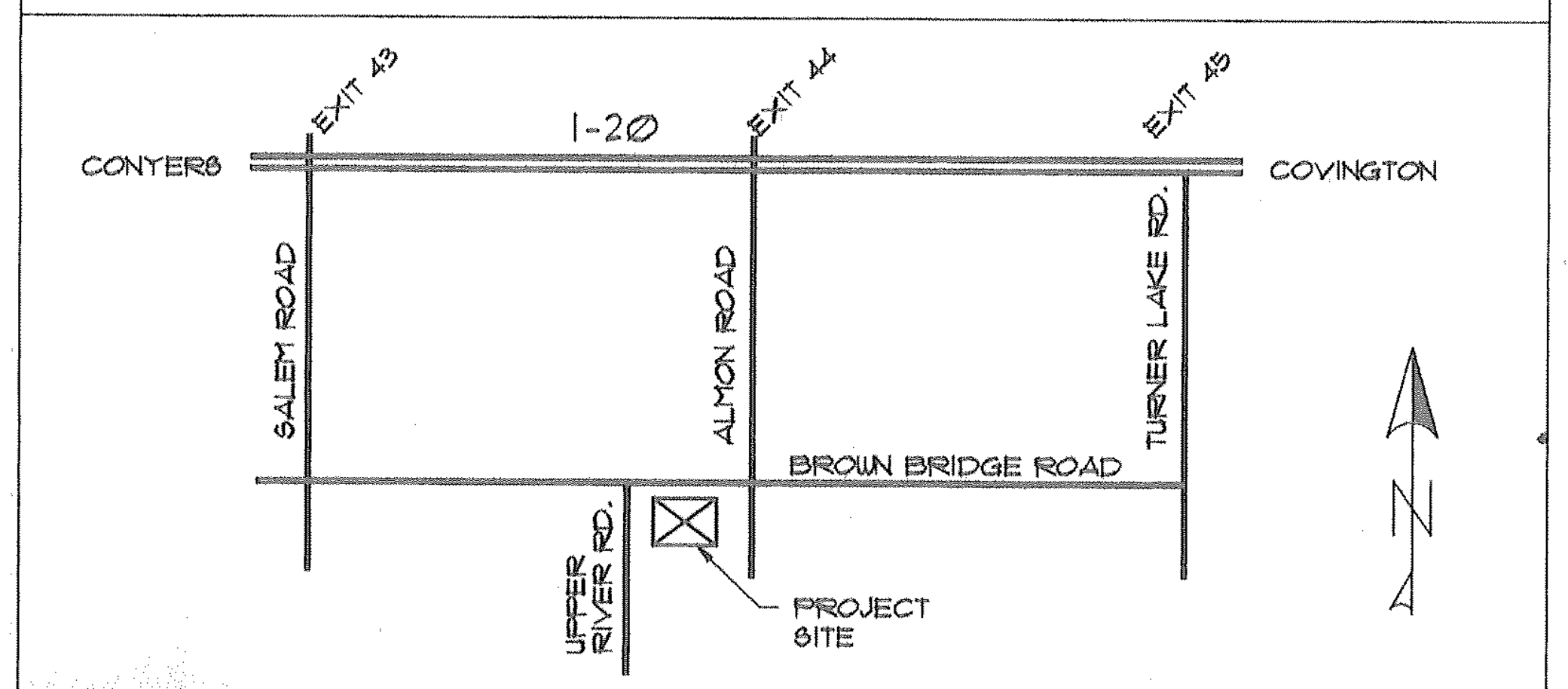
ABBREVIATIONS

AFC	ABOVE FINISH CEILING
AFF	ABOVE FINISH FLOOR
AP	ACCESS PANEL
ADJ	ADJUSTABLE
AL	ALUMINUM
BM	BEAM
BLKG	BLOCKING
BD	BOARD
BOT	BOTTOM
BLDG	BUILDING
CATV	CABLE TELEVISION
CLG	CEILING
CSG	CEILING SUPPLY GRILLE
CRG	CEILING RETURN GRILLE
CT	CERAMIC TILE
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
DTL	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DR	DOOR
DBL	DOUBLE
DN	DOWN
DWG	DRAWING
DF	DRINKING FOUNTAIN
EA	EACH
ELEV or EL	ELEVATION
ELEC	ELECTRICAL
EMERG	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EXP	EXPANSION
EJ	EXPANSION JOINT
EXP	EXPOSED
EXIST	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FE	FIRE EXTINGUISHER
FIN	FINISH
FF	FINISH FLOOR
FL	FLOOR
FD	FLOOR DRAIN
FLUOR	FLUORESCENT
FT	FOOT
FTG	FOOTING
GALV	GALVANIZED
G	GAS
GA	GAUGE
GC	GENERAL CONTRACTOR
GRND	GROUND
GYPBD	GYPSUM BOARD
HC	HOLLOW CORE
HT	HEIGHT
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
ID	INSIDE DIAMETER
INCL	INCLUDE
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JT	JOINT
LAV	LAVORATORY
MFGR	MANUFACTURER
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDICAL
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
NC	NO CHANGE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
No	NUMBER
oc	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
PTN	PARTITION
PTD	PAINTED
PAV	PAVING
PSI	PER SQUARE INCH
PLAS	PLASTER
P.LAM	PLASTIC LAMINATE
PL	PLATE
PLMBG	PLUMBING
PLYWD	PLYWOOD
POLY	POLYETHYLENE
PERP	PREPENDICULAR
PT	PRESSURE TREATED
RAD or R	RADIUS
RFL	REFLECTED
REINF	REINFORCED
REQD	REQUIRED
RET	RETAINING
REV	REVISION
RD	ROOF DRAIN
RM	ROOM
SCHED	SCHEDULE
SHT	SHEET
SIM	SIMILAR
SC	SOLID CORE
SPEC	SPECIFICATIONS
SH	SPRINKLER HEAD
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SYM	SYMMETRICAL
SYS	SYSTEM
TELE	TELEPHONE
TEMP	TEMPERED
TJ	TOP OF JOIST
TS	TOP OF STEEL
TW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VWC	VINYL WALL COVERING
WAIN	WAINSCOT
WP	WATERPROOF
WT	WEIGHT
WG	WIRE GLASS
WD	WOOD

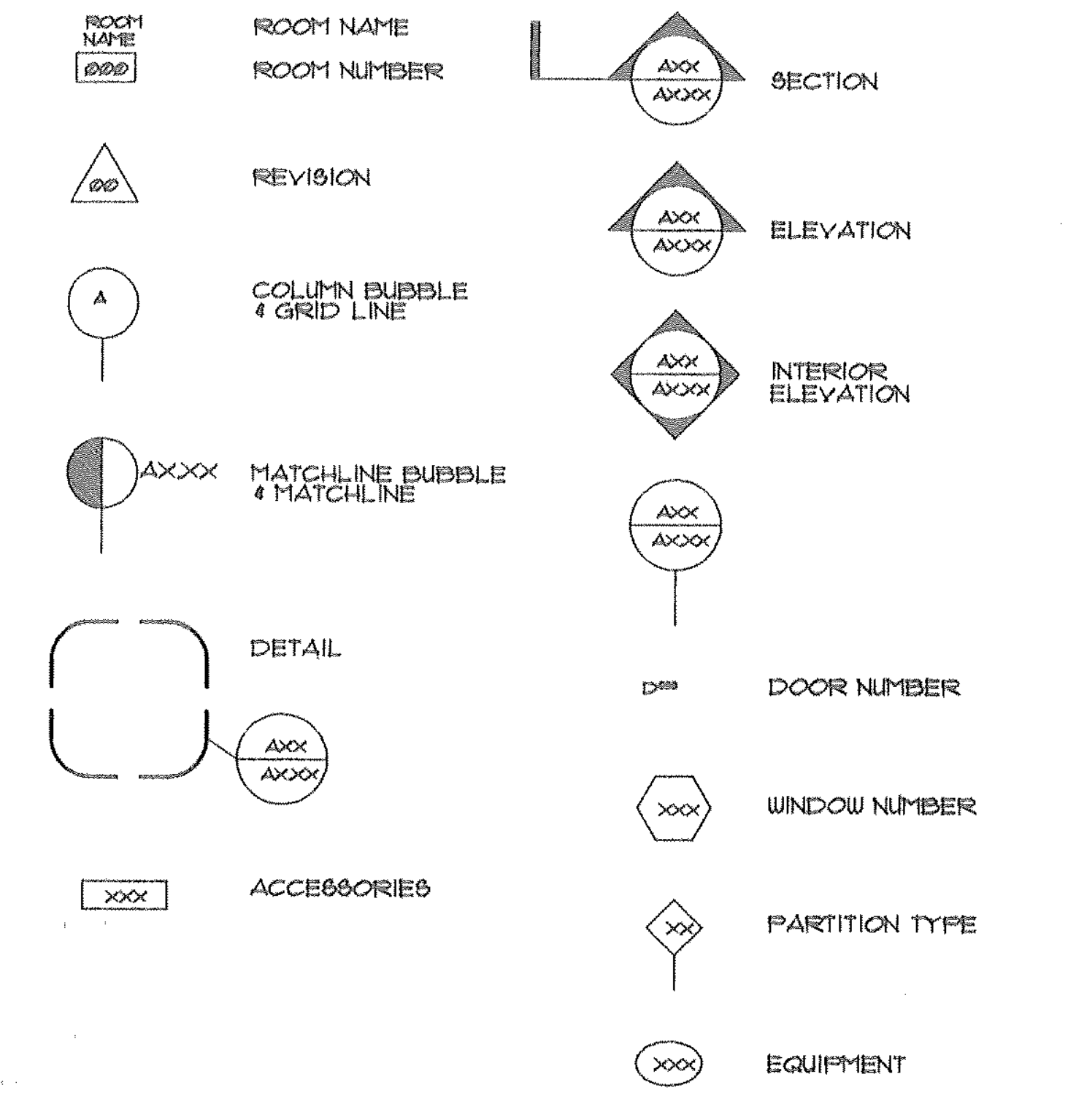
GENERAL NOTES

1. Coordinate these drawings with civil, mechanical, electrical, and plumbing drawings.
2. All work shall be in accordance with all local codes and/or ordinances, including but not limited to the county's current version of SBCC, LSC, ANSI A117.1, and ADA standards.
3. Provide tempered glass on 2'-0" either side of door openings as per SBCC 1991, LSC 1985 and Georgia Glass Code latest edition.
4. Provide in wall blocking for all grab bars, toilet partition supports, urinal screens, wall hung shelving, fire extinguisher brackets, and all cabinets (base and wall hung).
5. Insulate all exposed piping (supply and drain lines) under lavatory and sinks. No sharp or abrasive surfaces shall be found under lavatories or counters.
6. All interior partitions shall be 3 5/8" metal studs (25 ga) at 16" oc unless noted otherwise.
7. Extend interior partitions 2 x 4 or 2 x 6 wood studs to underside of roof or floor trusses.
8. Brace all interior partitions at a maximum of 8'-0" oc in either direction. Secure to structure above as required.
9. Extend all rated walls to underside of floor or roof truss and fire seal as required to maintain fire rating.
10. Where a detail is shown for one condition, it shall also apply for all like or similar conditions unless noted otherwise.
11. All dimensions are taken from face of concrete, masonry, steel, stud, or center line of column to face of concrete, masonry, steel, stud, or center line of column.
12. The contractor shall verify all dimensions and condition in the filed prior to commencing work. The Architect/Engineer shall be notified of any discrepancies which may exist.

PROJECT LOCATION MAP



SYMBOLS LEGEND



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CONTACT LIST

ARCHITECTURAL: (770) 929-3977
Design Associates Architects, Inc. FAX (770) 929-3978
Edward Burkhalter
Robert P. Alden

CIVIL ENGINEER: (770) 787-5803
M.D. Patrick Engineering, Inc.
Mark Patrick

STRUCTURAL ENGINEER: (770) 483-9745
C.H. Moss and Associates, Inc. FAX (770) 483-9219
Hal Moss

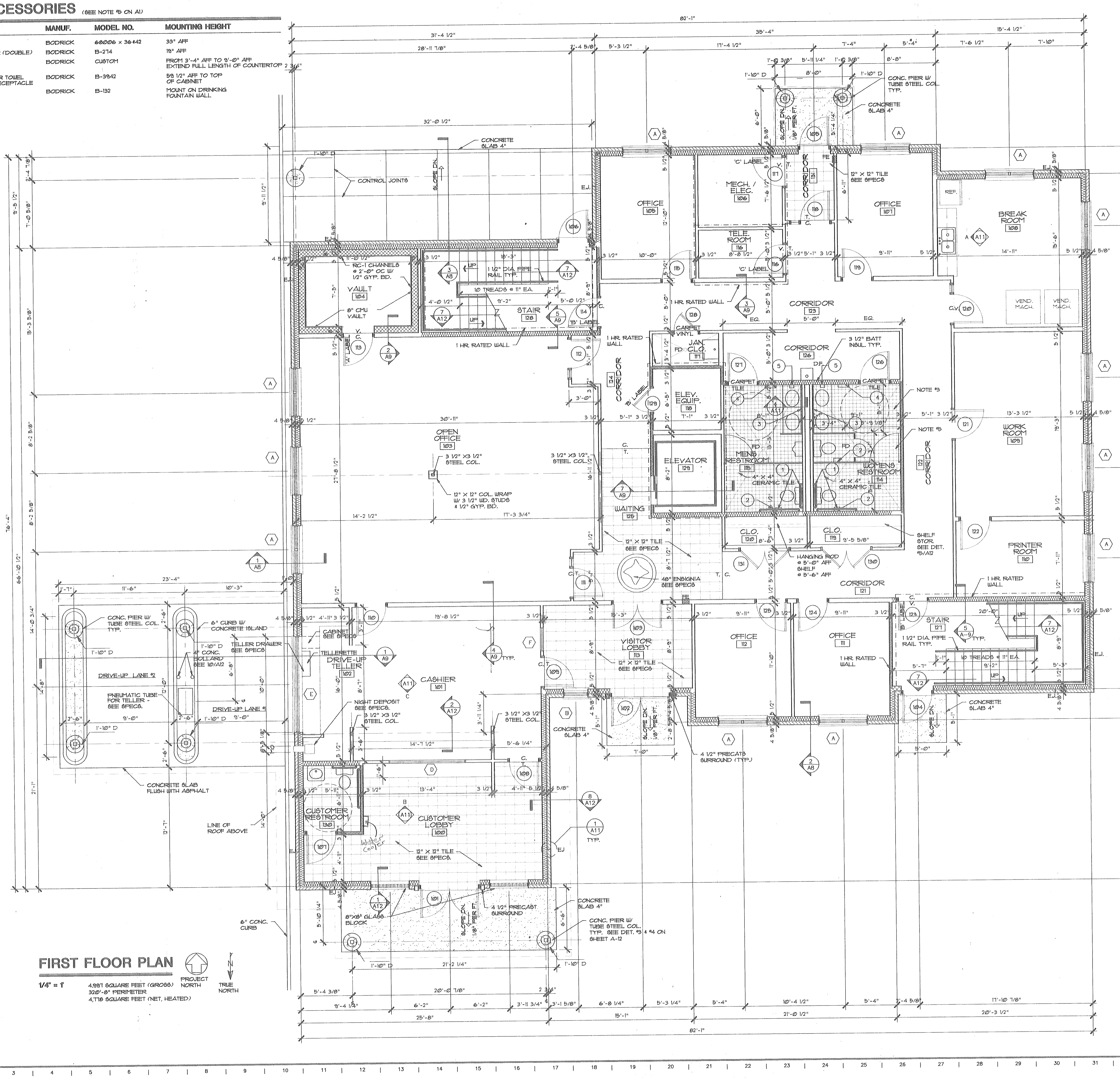
MECH/ELEC/PLUMBING ENGINEER: (770) 447-5547
Brewer & Skala Engineers FAX (770) 448-0262
Tommy Hendrix - HVAC
Grant Register - Electrical
Mark Moody - Plumbing

PROJECT NO.	9708
CAD FILE NO.	NCWA
PLOT DATE	9/16/97
DATE	9/15/97
DRAWN BY	RPA
CHECKED BY	EHB
SHEET NO.	A-0 OF 14

FOR CONSTRUCTION

TOILET ACCESSORIES (SEE NOTE 5 ON A1)

DESCRIPTION	MANUF.	MODEL NO.	MOUNTING HEIGHT
1. 36" & 42" GRAB BARS	BODRICK	68006 x 36442	33" AFF
2. TOILET PAPER HOLDER (DOUBLE)	BODRICK	B-274	19" AFF
3. MIRROR	BODRICK	CUSTOM	FROM 3'-4" AFF TO 9'-0" AFF EXTEND FULL LENGTH OF COUNTERTOP
4. SEMI-RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE	BODRICK	B-3942	59 1/2" AFF TO TOP OF CABINET
5. SOAP DISPENSER	BODRICK	B-132	MOUNT ON DRINKING FOUNTAIN WALL


OFFICE 108
MECH. / ELEC. 106
TELE. ROOM 116
OFFICE 107
BREAK ROOM 108
VAULT 104
8" CMU VAULT
RC-1 CHANNELS @ 2'-0" OC W/ 1/2" GYP. BD.
STAIR 128
1 1/2" DIA. PIPE RAIL TYP.
10 TREADS @ 11" EA.
1 HR RATED WALL
CORRIDOR 123
CORRIDOR 124
CORRIDOR 126
CORRIDOR 122
CORRIDOR 121
JAN. CLO. 117
ELEV. EQUIP. 118
ELEVATOR 129
MENS RESTROOM 115
WOMENS RESTROOM 114
4" X 4" CERAMIC TILE
3 1/2" BATT INSUL. TYP.
VEND. MACH.
WORK ROOM 109
PRINTER ROOM 110
OPEN OFFICE 103
3 1/2" X3 1/2" STEEL COL.
12" X 12" COL. WRAP W/ 3 1/2" WD. STUDS & 1/2" GYP. BD.
WAITING 125
12" X 12" TILE SEE SPECS
48" ENSIGNIA SEE SPECS
CLO. 120
CLO. 119
HANGING ROD @ 5'-0" AFF SHELF @ 5'-6" AFF
SHELF STOR. SEE DET. 5/A12
VISITOR LOBBY 113
OFFICE 112
OFFICE 111
STAIR 127
DRIVE-UP TELLER 102
CABINET SEE SPECS
TELLERETTE
TELLER DRAWER SEE SPECS
NIGHT DEPOSIT SEE SPECS
CASHIER 101
CUSTOMER RESTROOM 130
CUSTOMER LOBBY 100
12" X 12" TILE SEE SPECS.
8"X8" GLASS BLOCK
4 1/2" PRECAST SURROUND
CONCRETE SLAB 4"
CONC. PIER W/ TUBE STEEL COL. TYP. SEE DET. 3 & 4 ON SHEET A-12
6" CONC. CURB
LINE OF ROOF ABOVE
CONCRETE SLAB FLUSH WITH ASPHALT
DRIVE-UP LANE 2
DRIVE-UP LANE 1
PNEUMATIC TUBE FOR TELLER - SEE SPECS.
6" CURB W/ CONCRETE ISLAND
4" CONC. BOLLARD SEE 10/A12
CONC. PIER W/ TUBE STEEL COL. TYP.
CONTROL JOINTS
SLOPE DN.
1/8" PER FT.
NOTE 3
NOTE 5
82'-1"
35'-4"
31'-4 1/2"
15'-4 1/2"
23'-4"
25'-8"
21'-0 1/2"
20'-3 1/2"

FIRST FLOOR PLAN

1/4" = 1'

4,997 SQUARE FEET (GROSS)
320'-8" PERIMETER
4,778 SQUARE FEET (NET, HEATED)

PROJECT NORTH

TRUE NORTH

NOTES

1. GROSS SQUARE FOOTAGE IS MEASURED FROM OUTSIDE FACE OF BRICK VENEER.
2. NET (HEATED) SQUARE FOOTAGE IS MEASURED FROM THE INSIDE FACE OF EXTERIOR STUD WALL.
3. TILE IN ALL REST ROOMS TO EXTEND UP WALL TO 4'-0" AFF.
4. ALL DIMENSIONS ARE TAKEN FROM THE OUTSIDE FACE OF WOOD STUDS.
5. ALL TOILET ACCESSORIES AND HANDICAPPED EQUIP. AND LAYOUT TYPICAL BOTH FLOORS.

FIRE RATED WALL LEGEND

1 HOUR RATED WALL - 1 LAYER OF 5/8" GYP. EA. SIDE OF WALL.

2 HOUR RATED WALL - 2 LAYERS OF 5/8" GYP. EA. SIDES OF WALL.

4 HOUR RATED WALL - 8" C.M.U. & 3 1/2" WOOD STUD WALL W/ 1/2 GYP. BD. 1 SIDE (TYP. AT VAULT ONLY)

SEAL

9-15-97

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DAA
Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

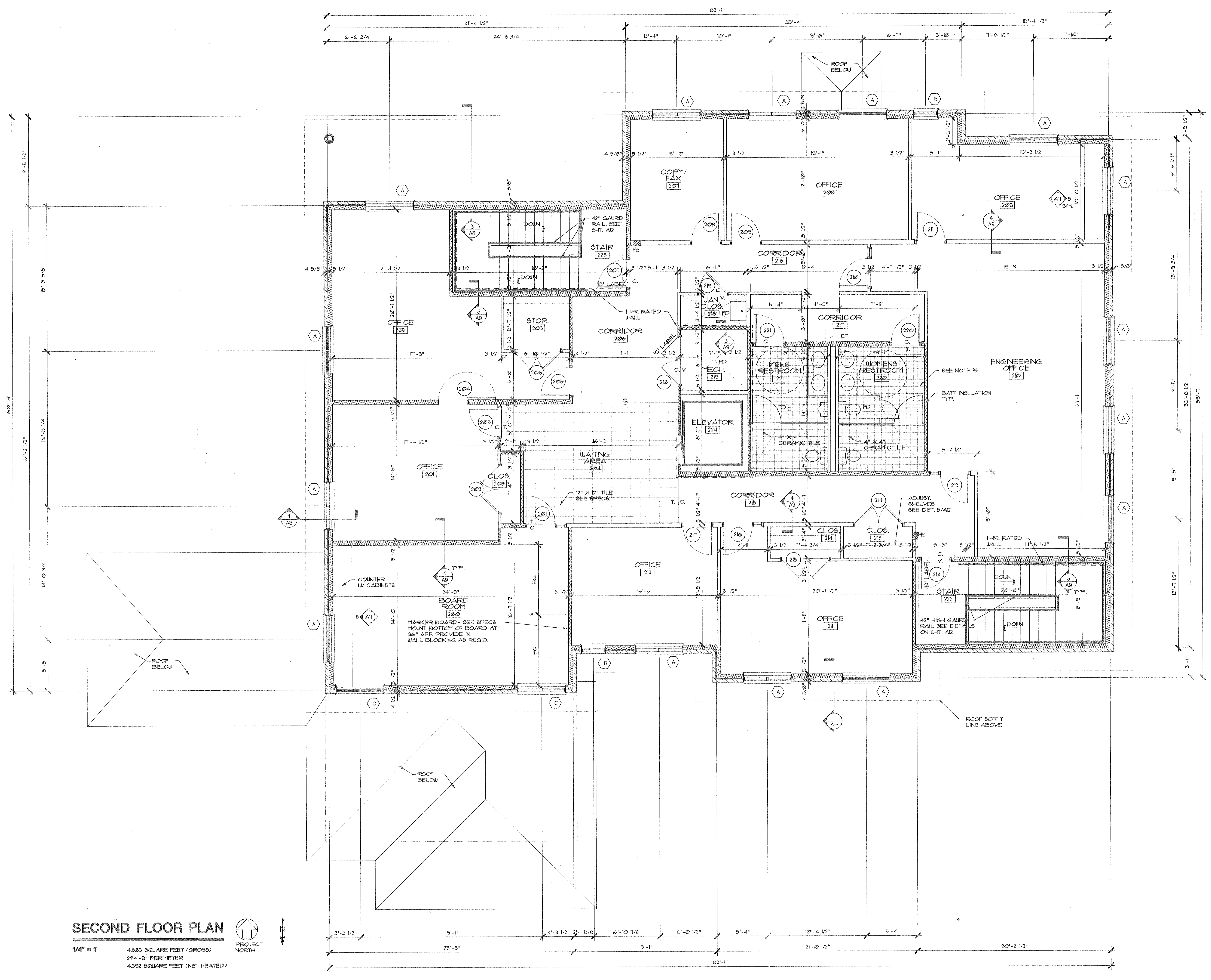
PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
FIRST FLOOR PLAN

PROJECT NO.	9708
CAD FILE NO.	NCWA
PLOT DATE	SEP. 16, 1997
DATE	SEP. 15, 1997
DRAWN BY	RPA
CHECKED BY	EHB
SHEET NO.	A-1 OF 14

REVISIONS

FOR CONSTRUCTION


82'-1"
31'-4 1/2"
35'-4"
15'-4 1/2"
6'-6 3/4"
24'-9 3/4"
ROOF BELOW
COPY/ FAX 207
OFFICE 208
OFFICE 209
OFFICE 202
STOR. 203
CORRIDOR 206
CORRIDOR 216
STAIR 223
42" GAURD RAIL SEE SHT. A12
1 HR. RATED WALL
JAN. CLOS. 218
MECH. 219
CORRIDOR 217
MENS RESTROOM 221
WOMENS RESTROOM 220
ENGINEERING OFFICE 210
SEE NOTE #3
BATT INSULATION TYP.
4" X 4" CERAMIC TILE
ELEVATOR 224
WAITING AREA 204
12" X 12" TILE SEE SPECS.
OFFICE 201
CLOS. 205
CORRIDOR 215
CLOS. 214
CLOS. 213
ADJUST. SHELVES SEE DET. B/A12
1 HR. RATED WALL
STAIR 222
42" HIGH GAURD RAIL SEE DETAILS ON SHT. A12
OFFICE 212
OFFICE 211
COUNTER W/ CABINETS
BOARD ROOM 200
MARKER BOARD- SEE SPECS MOUNT BOTTOM OF BOARD AT 36" AFF. PROVIDE IN WALL BLOCKING AS REQ'D.
ROOF BELOW
ROOF SOFFIT LINE ABOVE
ROOF BELOW
DOWN
60'-8"
3'-3 1/2"
19'-1"
25'-8"
15'-1"
21'-0 1/2"
20'-3 1/2"
82'-1"

SECOND FLOOR PLAN

1/4" = 1'

4,583 SQUARE FEET (GROSS)
294'-9" PERIMETER
4,392 SQUARE FEET (NET HEATED)

PROJECT NORTH

N

NOTES

1. GROSS SQUARE FOOTAGE IS MEASURED FROM OUTSIDE FACE OF BRICK VENEER.

2. NET (HEATED) SQUARE FOOTAGE IS MEASURED FROM THE INSIDE FACE OF EXTERIOR STUD WALL.

3. TILE IN ALL REST ROOMS TO EXTEND UP WALL TO 4'-0" AFF.

4. ALL DIMENSIONS ARE TAKEN FROM THE OUTSIDE FACE OF WOOD STUDS.

5. ALL 6" STUDS @ SECOND FLOOR SHALL EXTEND TO UNDERSIDE OF ROOF TRUSSES.

FIRE RATED WALL LEGEND

1 HOUR RATED WALL - 1 LAYER OF 5/8" GYP. EA. SIDE OF WALL.

2 HOUR RATED WALL - 2 LAYERS OF 5/8" GYP. EA. SIDES OF WALL.

4 HOUR RATED WALL - 8" C.M.U. & 3 1/2" WOOD STUD WALL W/ 1/2 GYP. BD. 1 SIDE (TYP. AT VAULT ONLY)

BATT INSULATION IN WALL

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER, JR
9-15-97

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DAA
Design Associates Architects, Inc.
1229 Royal Drive., Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
1325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
SECOND FLOOR PLAN

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 16, 1997

DATE
SEP. 15, 1997

DRAWN BY
RPA

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SHEET NO.
A-2
OF 14

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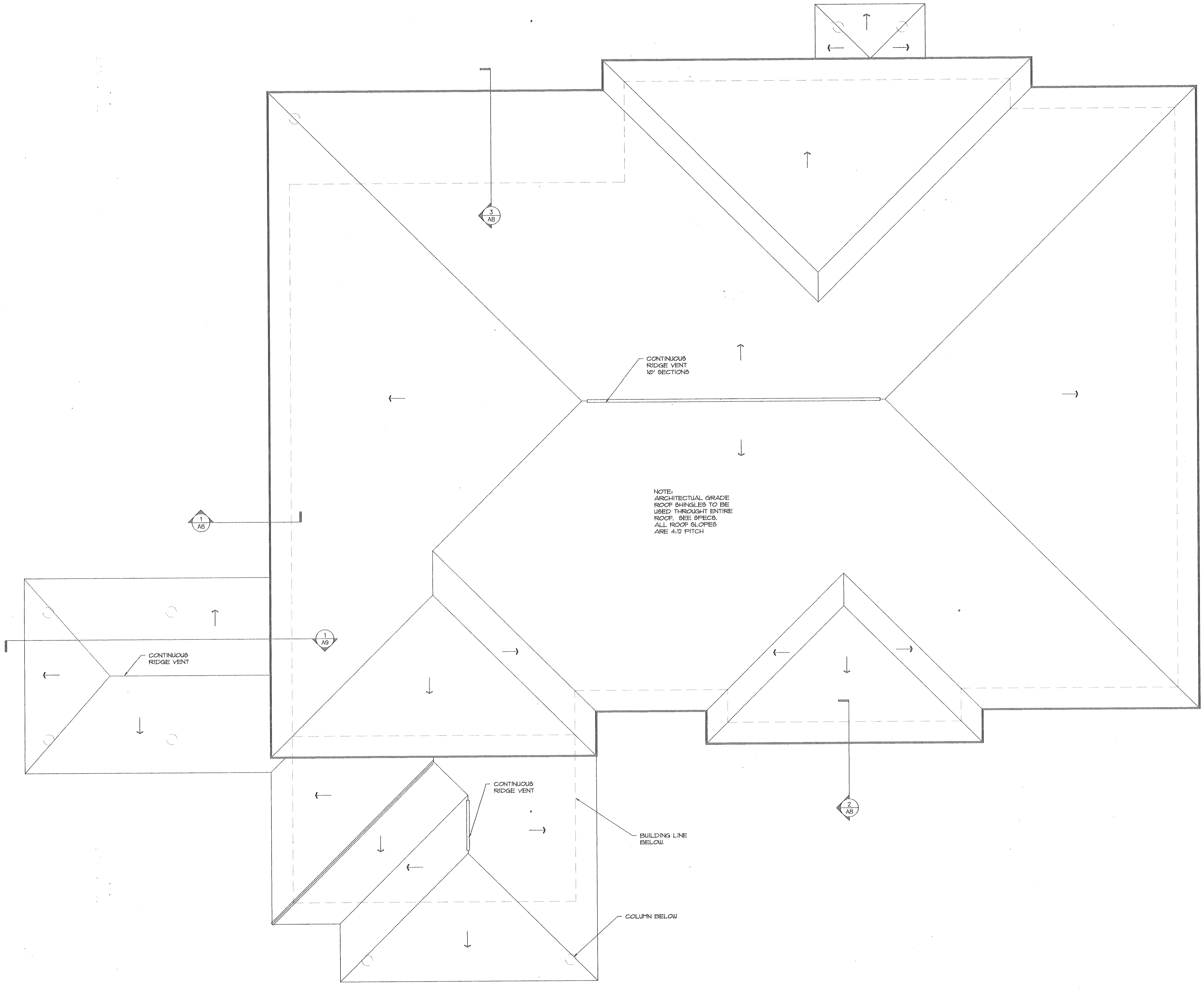
CONTINUOUS
RIDGE VENT
10' SECTIONS
CONTINUOUS
RIDGE VENT
CONTINUOUS
RIDGE VENT
BUILDING LINE
BELOW.
COLUMN BELOW
3
A8
1
A8
1
A9
2
A8

NOTE:
ARCHITECTUAL GRADE
ROOF SHINGLES TO BE
USED THROUGHT ENTIRE
ROOF. SEE SPECS.
ALL ROOF SLOPES
ARE 4:12 PITCH

ROOF PLAN

1/4" = 1'

NOTES

REVISIONS

SEAL
EDWARD HUTCHESON
BURKHALTER, JR
9-1597

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ELECTRONIC MAIL: DAAINC@JUNO.COM

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NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
ROOF PLAN

PROJECT NO.	9708
CAD FILE NO.	NCWA
PLOT DATE	SEP. 16, 1997
DATE	SEP. 15, 1997
DRAWN BY	RPA
CHECKED BY	EHB
SHEET NO.	A-3 OF 14

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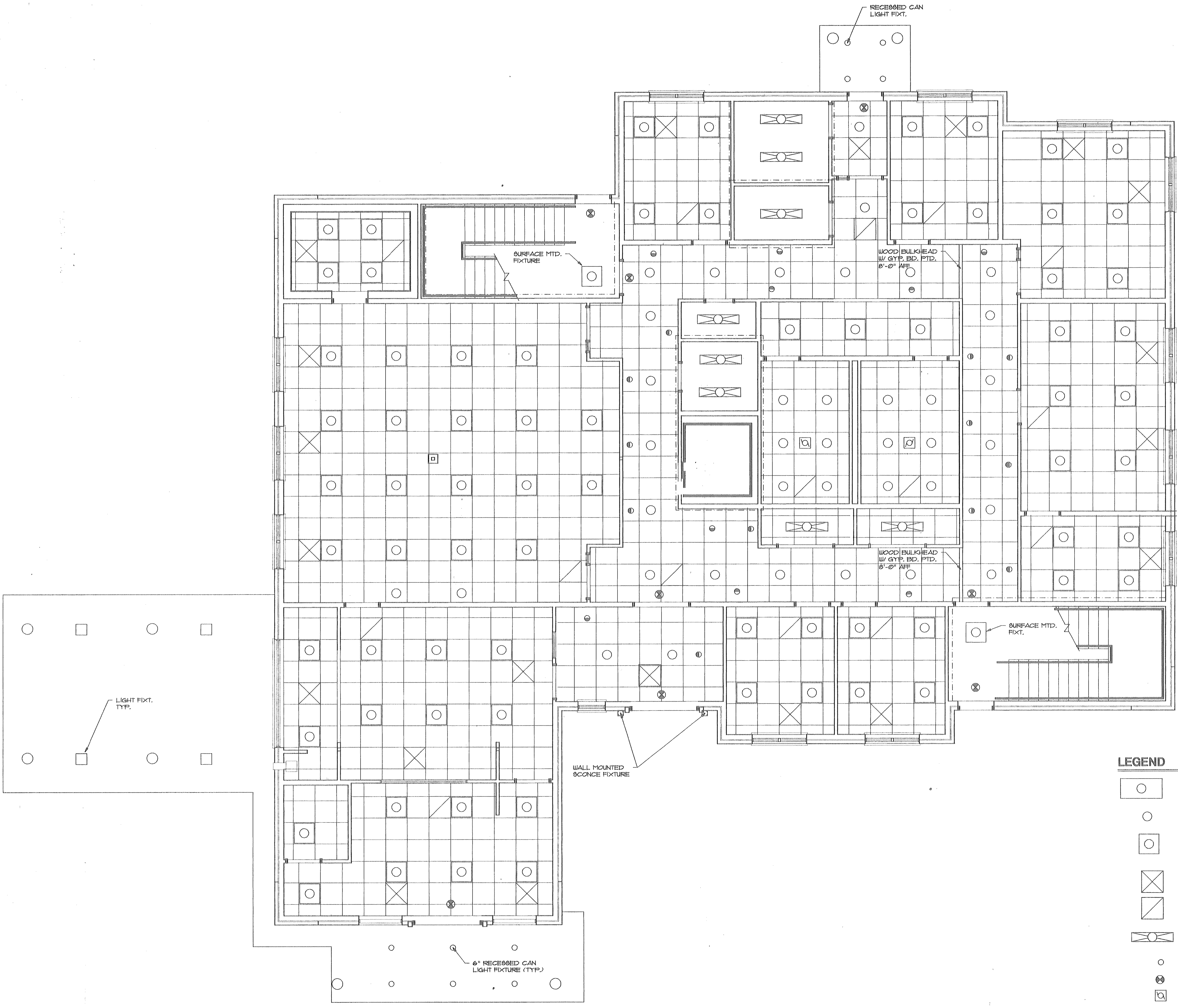
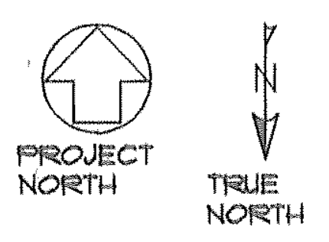

RECESSED CAN LIGHT FIXT.
SURFACE MTD. FIXTURE
WOOD BULKHEAD W/ GYP. BD. PTD. 8'-0" AFF
WOOD BULKHEAD W/ GYP. BD. PTD. 8'-0" AFF
SURFACE MTD. FIXT.
LIGHT FIXT. TYP.
WALL MOUNTED SCONCE FIXTURE
6" RECESSED CAN LIGHT FIXTURE (TYP.)

LEGEND

▭	2 X 4 FLUORESCENT LIGHT FIXTURE
○	RECESSED FLUORESCENT LIGHT FIXTURE
☐	2 X 2 FLUORESCENT LIGHT FIXTURE
☒	NEW SUPPLY DIFFUSER
⧄	NEW RETURN/EXHAUST GRILL
⊖	2 LAMP 4' FLUOR STRIP FIXT.
○	RECESSED INCANDESCENT LIGHT FIXTURE
⊗	EXIT LIGHT WITH BATTERY PACK
☐	EXHAUST FAN
◐	WALL WASHER FIXTURE

FIRST FLOOR REFLECTED CEILING PLAN

1/4" = 1'


PROJECT NORTH
TRUE NORTH

NOTES

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER, JR
4-1597

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11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
FIRST FLOOR
REFLECTED CEILING PLAN

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 16, 1997

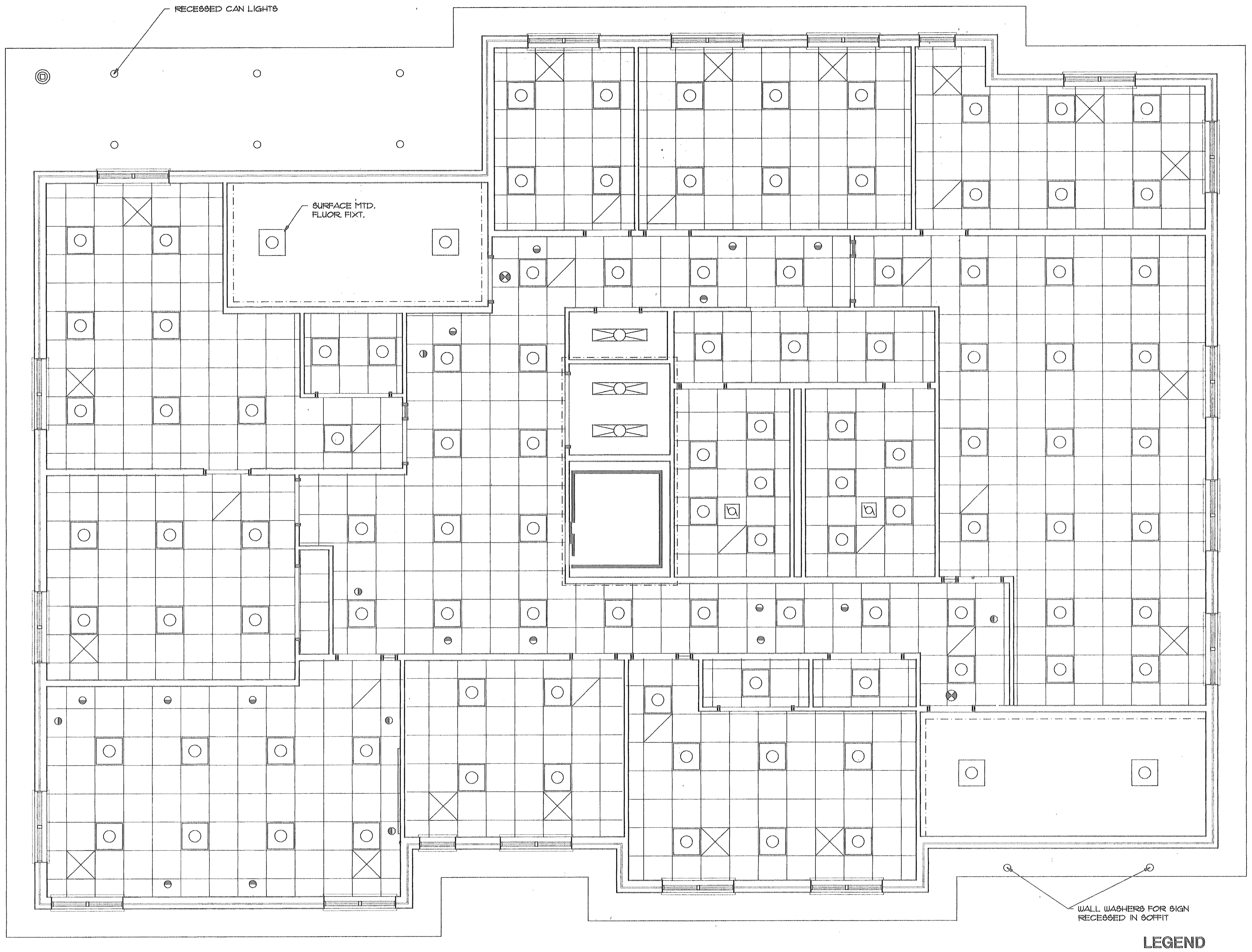
DATE
SEP. 15, 1997

DRAWN BY
RPA

CHECKED BY
EHB

SHEET NO.
A-4
OF 14

FOR CONSTRUCTION



SECOND FLOOR REFLECTED CEILING PLAN

1/4" = 1'

PROJECT NORTH

TRUE NORTH

LEGEND

▭	2 X 4 FLUORESCENT LIGHT FIXTURE
○	RECESSED FLUORESCENT LIGHT FIXTURE
▢	2 X 2 FLUORESCENT LIGHT FIXTURE
☒	NEW SUPPLY DIFFUSER
◺	NEW RETURN/EXHAUST GRILL
⊗	2 LAMP 4' FLUOR. STRIP FIXT.
○	RECESSED INCANDESCENT LIGHT FIXTURE
⊗	EXIT LIGHT WITH BATTERY PACK
▢	EXHAUST FAN
◐	WALL WASHER FIXTURE

NOTES

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER, JR

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DAA
Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
SECOND FLOOR
REFLECTED CEILING PLAN

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 16, 1997

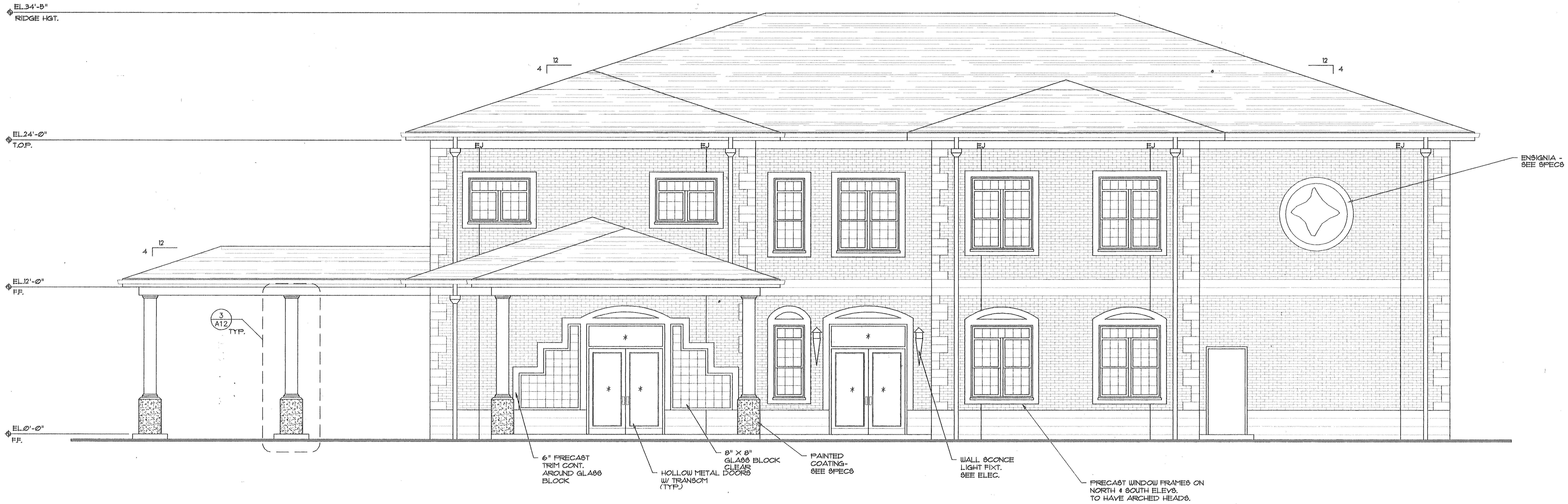
DATE
SEP. 15, 1997

DRAWN BY
RPA

CHECKED BY
EHB

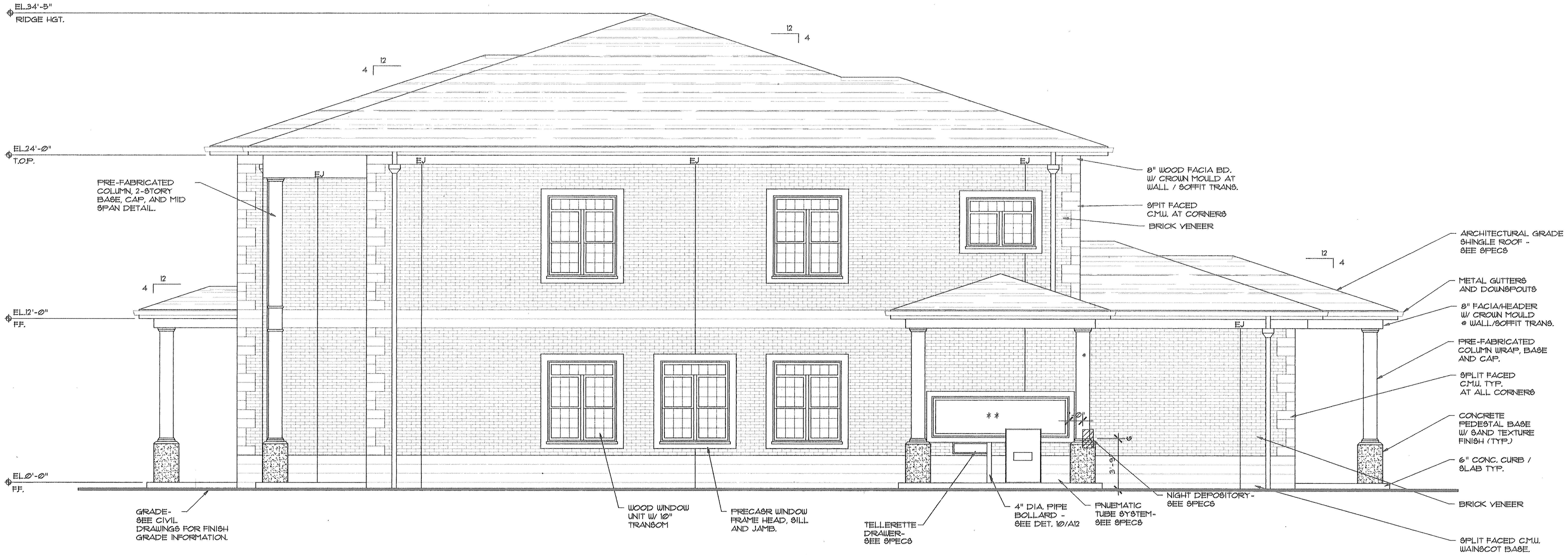
SHEET NO.
A-5
OF 14

FOR CONSTRUCTION


EL.34'-5"
RIDGE HGT.
EL.24'-0"
T.O.P.
EL.12'-0"
F.F.
EL.0'-0"
F.F.
4
12
3
A12
TYP.
EJ
ENSIGNIA - SEE SPECS
6" PRECAST TRIM CONT. AROUND GLASS BLOCK
HOLLOW METAL DOORS W/ TRANSOM (TYP.)
8" X 8" GLASS BLOCK CLEAR
PAINTED COATING- SEE SPECS
WALL SCONCE LIGHT FIXT. SEE ELEC.
PRECAST WINDOW FRAMES ON NORTH & SOUTH ELEVS. TO HAVE ARCHED HEADS.

NORTH ELEVATION

1/4" = 1'


EL.34'-5"
RIDGE HGT.
EL.24'-0"
T.O.P.
EL.12'-0"
F.F.
EL.0'-0"
F.F.
4
12
EJ
PRE-FABRICATED COLUMN, 2-STORY BASE, CAP, AND MID SPAN DETAIL.
8" WOOD FACIA BD. W/ CROWN MOULD AT WALL / SOFFIT TRANS.
SPIT FACED C.M.U. AT CORNERS
BRICK VENEER
ARCHITECTURAL GRADE SHINGLE ROOF - SEE SPECS
METAL GUTTERS AND DOWNSPOUTS
8" FACIA/HEADER W/ CROWN MOULD @ WALL/SOFFIT TRANS.
PRE-FABRICATED COLUMN WRAP, BASE AND CAP.
SPLIT FACED C.M.U. TYP. AT ALL CORNERS
CONCRETE PEDESTAL BASE W/ SAND TEXTURE FINISH (TYP.)
6" CONC. CURB / SLAB TYP.
BRICK VENEER
SPLIT FACED C.M.U. WAINSCOT BASE.
NIGHT DEPOSITORY- SEE SPECS
PNUEMATIC TUBE SYSTEM- SEE SPECS
4" DIA. PIPE BOLLARD - SEE DET. 10/A12
TELLERETTE DRAWER- SEE SPECS
PRECASR WINDOW FRAME HEAD, SILL AND JAMB.
WOOD WINDOW UNIT W/ 10" TRANSOM
GRADE- SEE CIVIL DRAWINGS FOR FINISH GRADE INFORMATION.
3'-9"
1'-0"
**

EAST ELEVATION

1/4" = 1'

NOTES

* DENOTES TEMPERED GLASS
* * DENOTES BULLET PROOF GLASS

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER, JR.
9-15-97

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PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
1325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
ELEVATIONS:
NORTH, AND EAST

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 16, 1997

DATE
SEP. 15, 1997

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SHEET NO.
A-6
OF 14

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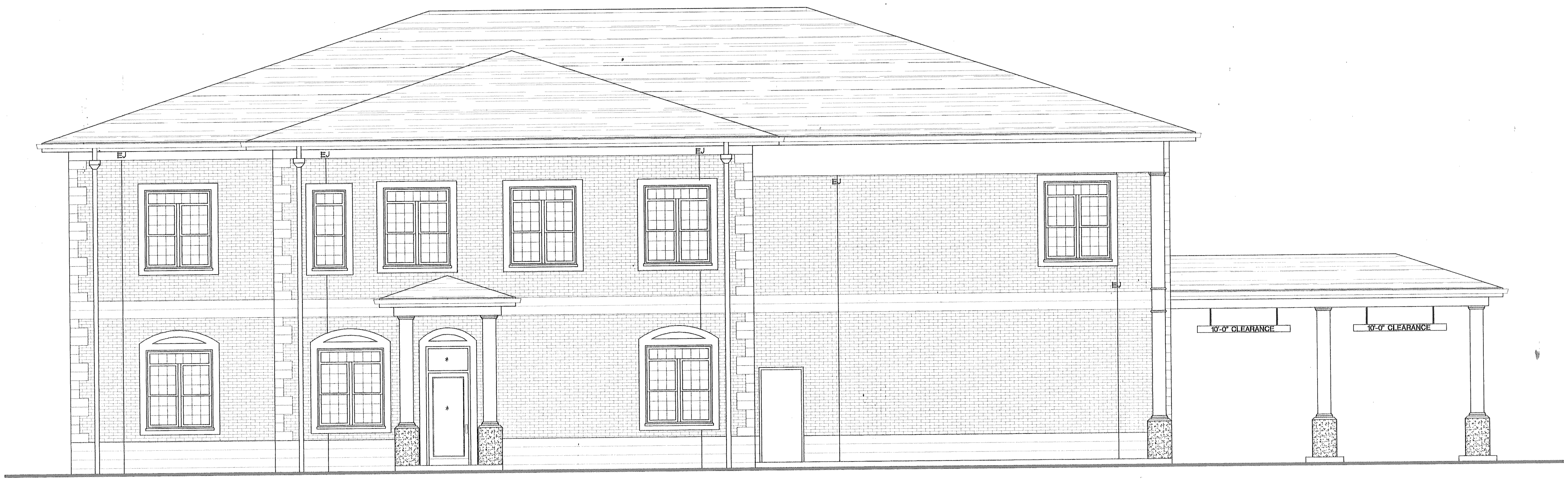
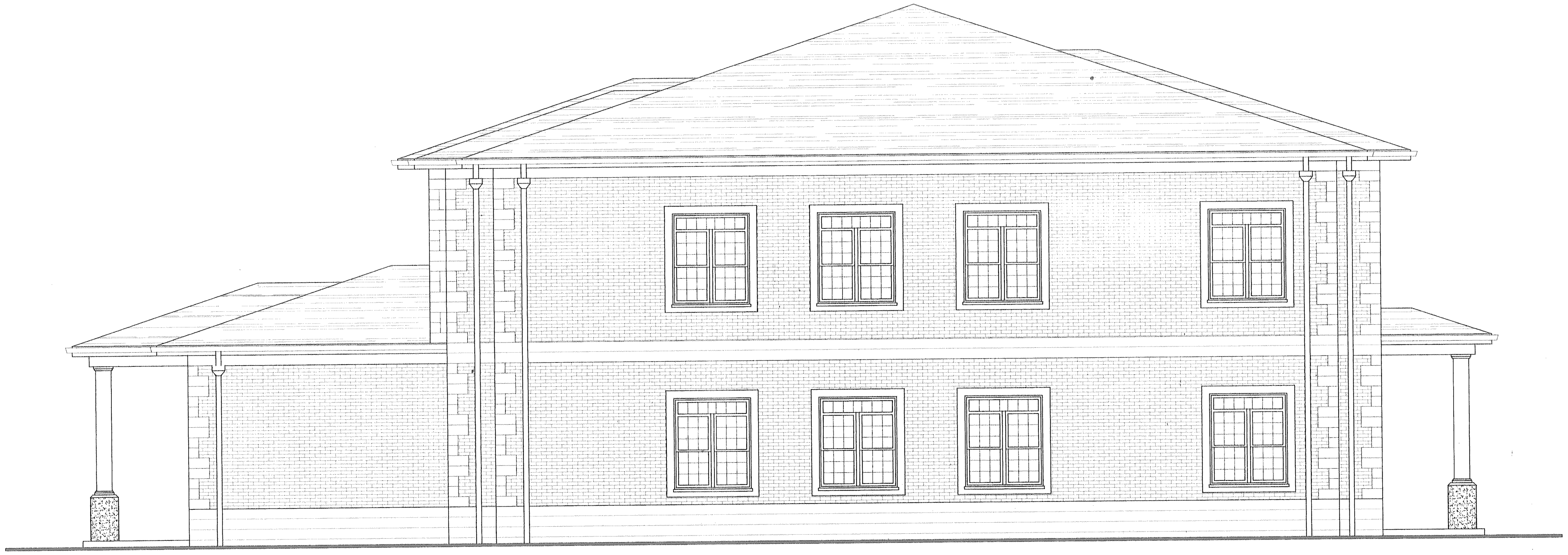


SOUTH ELEVATION

1/4" = 1'



WEST ELEVATION

1/4" = 1'

NOTES

* DENOTES TEMPERED GLASS

REVISIONS

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PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
ELEVATIONS:
SOUTH AND WEST

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 16, 1997

DATE
SEP. 15, 1997

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SHEET NO.
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OF 14

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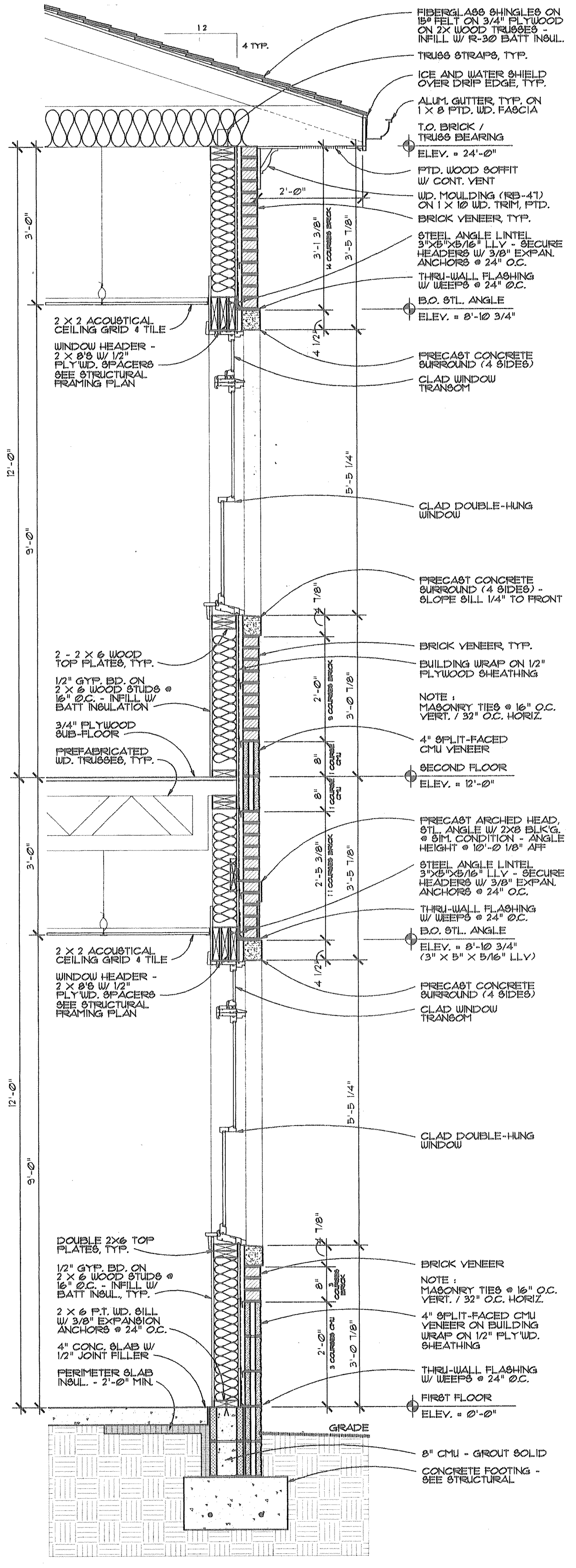
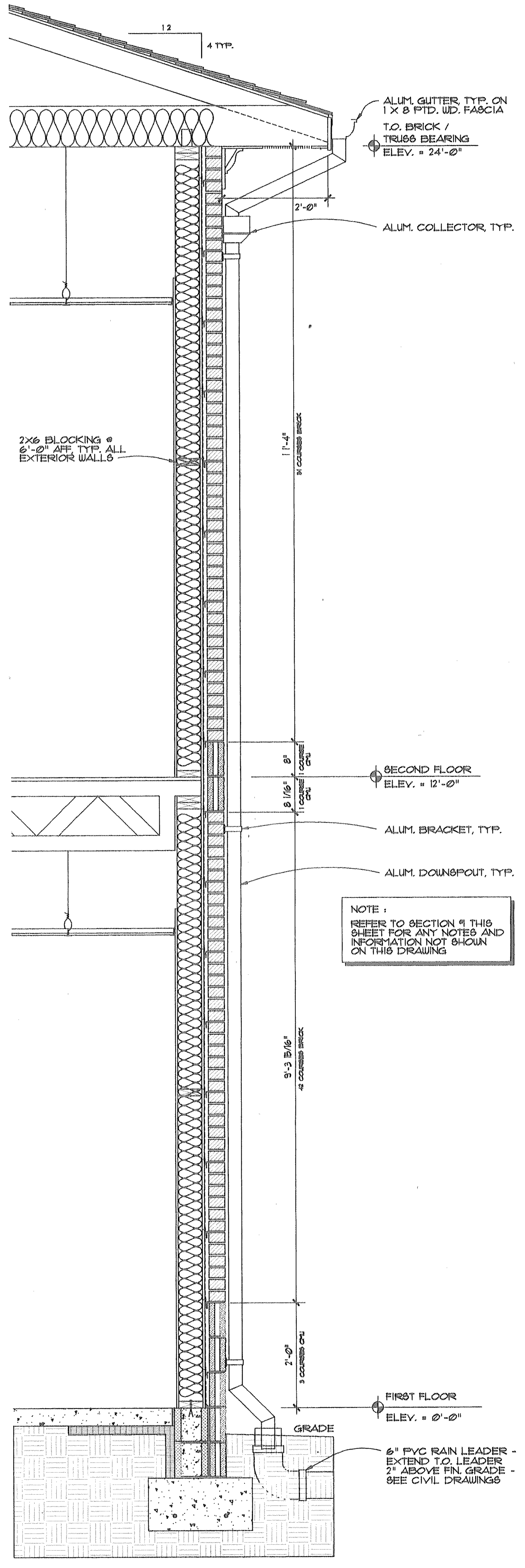

12
4 TYP.
FIBERGLASS SHINGLES ON 15# FELT ON 3/4" PLYWOOD ON 2X WOOD TRUSSES - INFILL W/ R-30 BATT INSUL.
TRUSS STRAPS, TYP.
ICE AND WATER SHIELD OVER DRIP EDGE, TYP.
ALUM. GUTTER, TYP. ON 1 X 8 PTD. WD. FASCIA
T.O. BRICK / TRUSS BEARING
ELEV. = 24'-0"
PTD. WOOD SOFFIT W/ CONT. VENT
WD. MOULDING (RB-47) ON 1 X 10 WD. TRIM, PTD.
BRICK VENEER, TYP.
STEEL ANGLE LINTEL 3"X5"X5/16" LLV - SECURE HEADERS W/ 3/8" EXPAN. ANCHORS @ 24" O.C.
THRU-WALL FLASHING W/ WEEPS @ 24" O.C.
B.O. STL. ANGLE
ELEV. = 8'-10 3/4"
PRECAST CONCRETE SURROUND (4 SIDES)
CLAD WINDOW TRANSOM
CLAD DOUBLE-HUNG WINDOW
PRECAST CONCRETE SURROUND (4 SIDES) - SLOPE SILL 1/4" TO FRONT
BRICK VENEER, TYP.
BUILDING WRAP ON 1/2" PLYWOOD SHEATHING
NOTE : MASONRY TIES @ 16" O.C. VERT. / 32" O.C. HORIZ.
4" SPLIT-FACED CMU VENEER
SECOND FLOOR
ELEV. = 12'-0"
PRECAST ARCHED HEAD, STL. ANGLE W/ 2X8 BLK'G. @ SIM. CONDITION - ANGLE HEIGHT @ 10'-0 1/8" AFF
STEEL ANGLE LINTEL 3"X5"X5/16" LLV - SECURE HEADERS W/ 3/8" EXPAN. ANCHORS @ 24" O.C.
THRU-WALL FLASHING W/ WEEPS @ 24" O.C.
B.O. STL. ANGLE
ELEV. = 8'-10 3/4" (3" X 5" X 5/16" LLV)
PRECAST CONCRETE SURROUND (4 SIDES)
CLAD WINDOW TRANSOM
CLAD DOUBLE-HUNG WINDOW
BRICK VENEER
NOTE : MASONRY TIES @ 16" O.C. VERT. / 32" O.C. HORIZ.
4" SPLIT-FACED CMU VENEER ON BUILDING WRAP ON 1/2" PLY'WD. SHEATHING
THRU-WALL FLASHING W/ WEEPS @ 24" O.C.
FIRST FLOOR
ELEV. = 0'-0"
GRADE
8" CMU - GROUT SOLID
CONCRETE FOOTING - SEE STRUCTURAL
2 X 2 ACOUSTICAL CEILING GRID & TILE
WINDOW HEADER - 2 X 8'S W/ 1/2" PLY'WD. SPACERS SEE STRUCTURAL FRAMING PLAN
2 - 2 X 6 WOOD TOP PLATES, TYP.
1/2" GYP. BD. ON 2 X 6 WOOD STUDS @ 16" O.C. - INFILL W/ BATT INSULATION
3/4" PLYWOOD SUB-FLOOR
PREFABRICATED WD. TRUSSES, TYP.
2 X 2 ACOUSTICAL CEILING GRID & TILE
WINDOW HEADER - 2 X 8'S W/ 1/2" PLY'WD. SPACERS SEE STRUCTURAL FRAMING PLAN
DOUBLE 2X6 TOP PLATES, TYP.
1/2" GYP. BD. ON 2 X 6 WOOD STUDS @ 16" O.C. - INFILL W/ BATT INSUL., TYP.
2 X 6 P.T. WD. SILL W/ 3/8" EXPANSION ANCHORS @ 24" O.C.
4" CONC. SLAB W/ 1/2" JOINT FILLER
PERIMETER SLAB INSUL. - 2'-0" MIN.
2'-0"
3'-0"
12'-0"
9'-0"
3'-1 3/8"
14 COURSES BRICK
3'-5 7/8"
4 1/2"
5'-5 1/4"
7/8"
2'-0"
9 COURSES BRICK
3'-0 7/8"
8"
1 COURSE CMU
2'-5 3/8"
11 COURSES BRICK
3 COURSES BRICK
3 COURSES CMU

① **TYPICAL WALL SECTION**

3/4" = 1'

1065

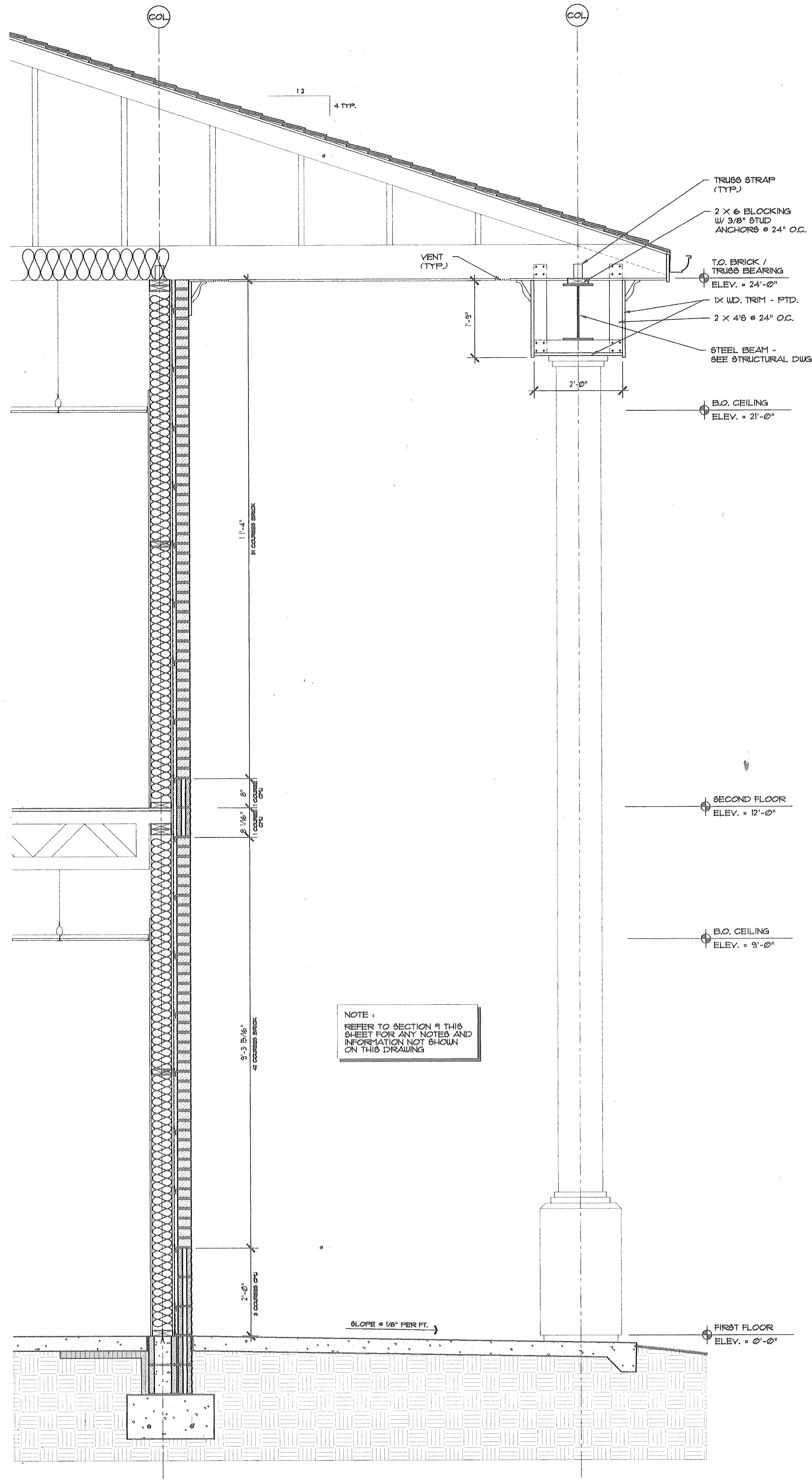

12
4 TYP.
ALUM. GUTTER, TYP. ON 1 X 8 PTD. WD. FASCIA
T.O. BRICK / TRUSS BEARING
ELEV. = 24'-0"
2'-0"
ALUM. COLLECTOR, TYP.
2X6 BLOCKING @ 6'-0" AFF. TYP. ALL EXTERIOR WALLS
11'-4"
31 COURSES BRICK
8"
1 COURSE CMU
8 1/16"
SECOND FLOOR
ELEV. = 12'-0"
ALUM. BRACKET, TYP.
ALUM. DOWNSPOUT, TYP.
9'-3 15/16"
42 COURSES BRICK
2'-0"
3 COURSES CMU
FIRST FLOOR
ELEV. = 0'-0"
GRADE
6" PVC RAIN LEADER - EXTEND T.O. LEADER 2" ABOVE FIN. GRADE - SEE CIVIL DRAWINGS

NOTE :
REFER TO SECTION ① THIS SHEET FOR ANY NOTES AND INFORMATION NOT SHOWN ON THIS DRAWING

② **TYPICAL WALL SECTION**

3/4" = 1'

1065


COL
COL
12
4 TYP.
TRUSS STRAP (TYP.)
2 X 6 BLOCKING W/ 3/8" STUD ANCHORS @ 24" O.C.
VENT (TYP.)
T.O. BRICK / TRUSS BEARING
ELEV. = 24'-0"
1X WD. TRIM - PTD.
2 X 4'S @ 24" O.C.
STEEL BEAM - SEE STRUCTURAL DWGS.
1'-9"
2'-0"
B.O. CEILING
ELEV. = 21'-0"
11'-4"
31 COURSES BRICK
8"
1 COURSE CMU
8 1/16"
SECOND FLOOR
ELEV. = 12'-0"
B.O. CEILING
ELEV. = 9'-0"
9'-3 15/16"
42 COURSES BRICK
2'-0"
3 COURSES CMU
SLOPE @ 1/8" PER FT.
FIRST FLOOR
ELEV. = 0'-0"

NOTE :
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③ **SECTION AT PORCH**

3/4" = 1'

7510

NOTES

REVISIONS

SEAL

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9-15-97

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PROJECT NAME
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NEWTON COUNTY WATER & SEWER AUTHORITY
1325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
WALL SECTIONS

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 16, 1997

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A-8
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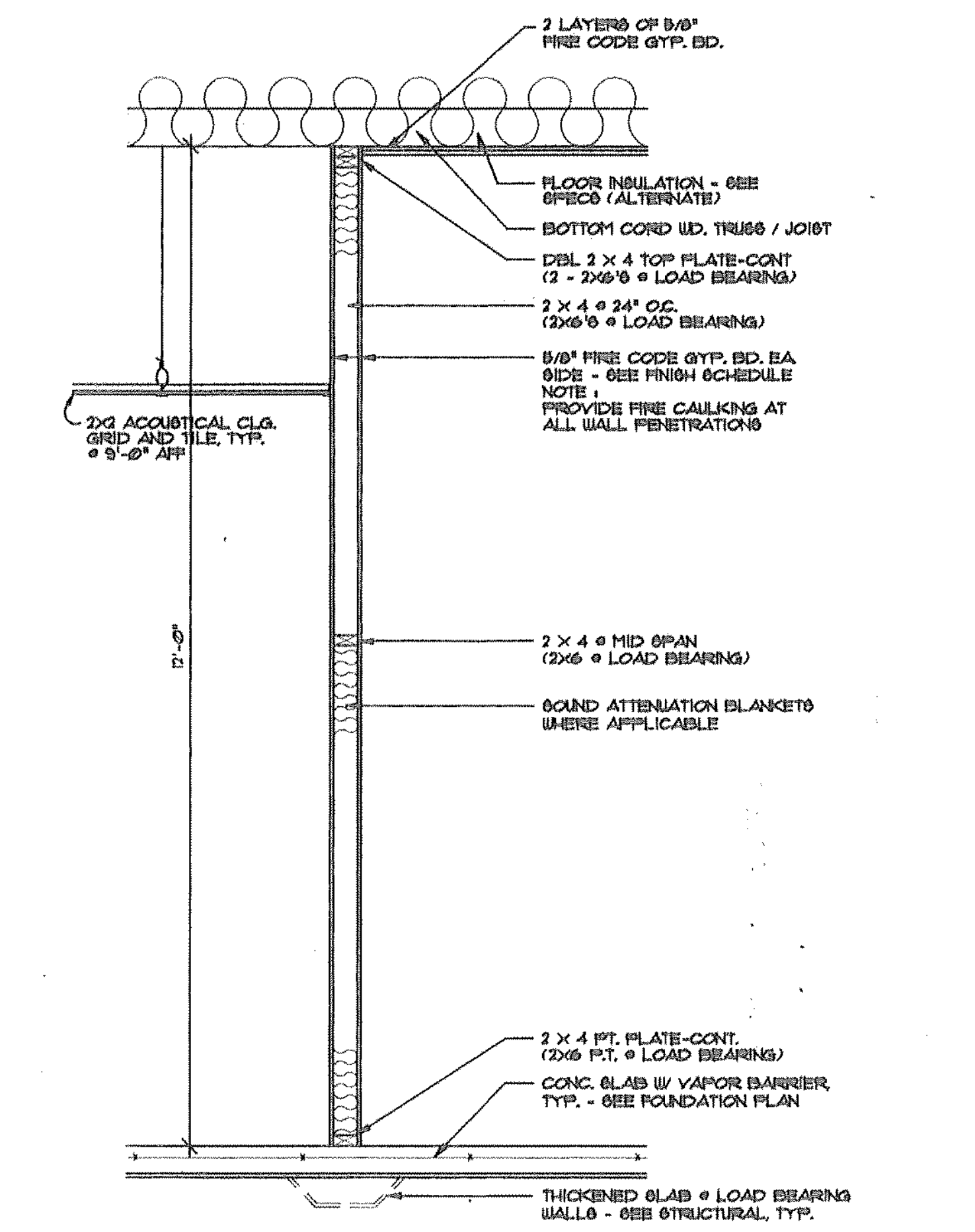

2 LAYERS OF 5/8" FIRE CODE GYP. BD.
FLOOR INSULATION - SEE SPECS (ALTERNATE)
BOTTOM CORD WD. TRUSS / JOIST
DBL 2 X 4 TOP PLATE-CONT (2 - 2X6'S @ LOAD BEARING)
2 X 4 @ 24" O.C. (2X6'S @ LOAD BEARING)
5/8" FIRE CODE GYP. BD. EA SIDE - SEE FINISH SCHEDULE
NOTE : PROVIDE FIRE CAULKING AT ALL WALL PENETRATIONS
2X2 ACOUSTICAL CLG. GRID AND TILE, TYP. @ 9'-0" AFF
12'-0"
2 X 4 @ MID SPAN (2X6 @ LOAD BEARING)
SOUND ATTENUATION BLANKETS WHERE APPLICABLE
2 X 4 PT. PLATE-CONT. (2X6 P.T. @ LOAD BEARING)
CONC. SLAB W/ VAPOR BARRIER, TYP. - SEE FOUNDATION PLAN
THICKENED SLAB @ LOAD BEARING WALLS - SEE STRUCTURAL, TYP.

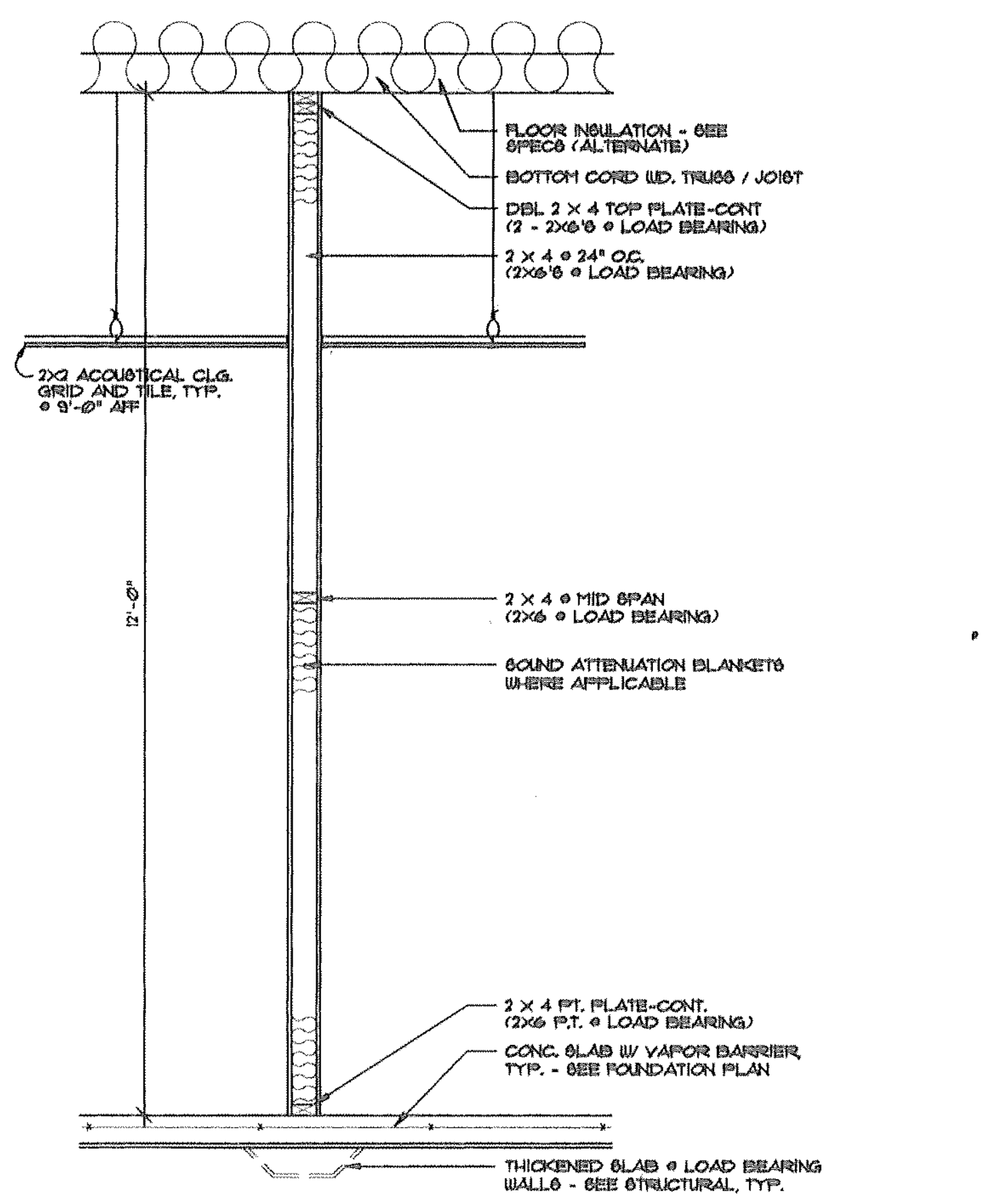
1 HR. RATED INTERIOIR PARTION

3

1/2" = 1'

NOTE: SEAL ALL OPENINGS AROUND WOOD FLOOR JOIST WITH FIRE SAFING - SEE SPECS

1060

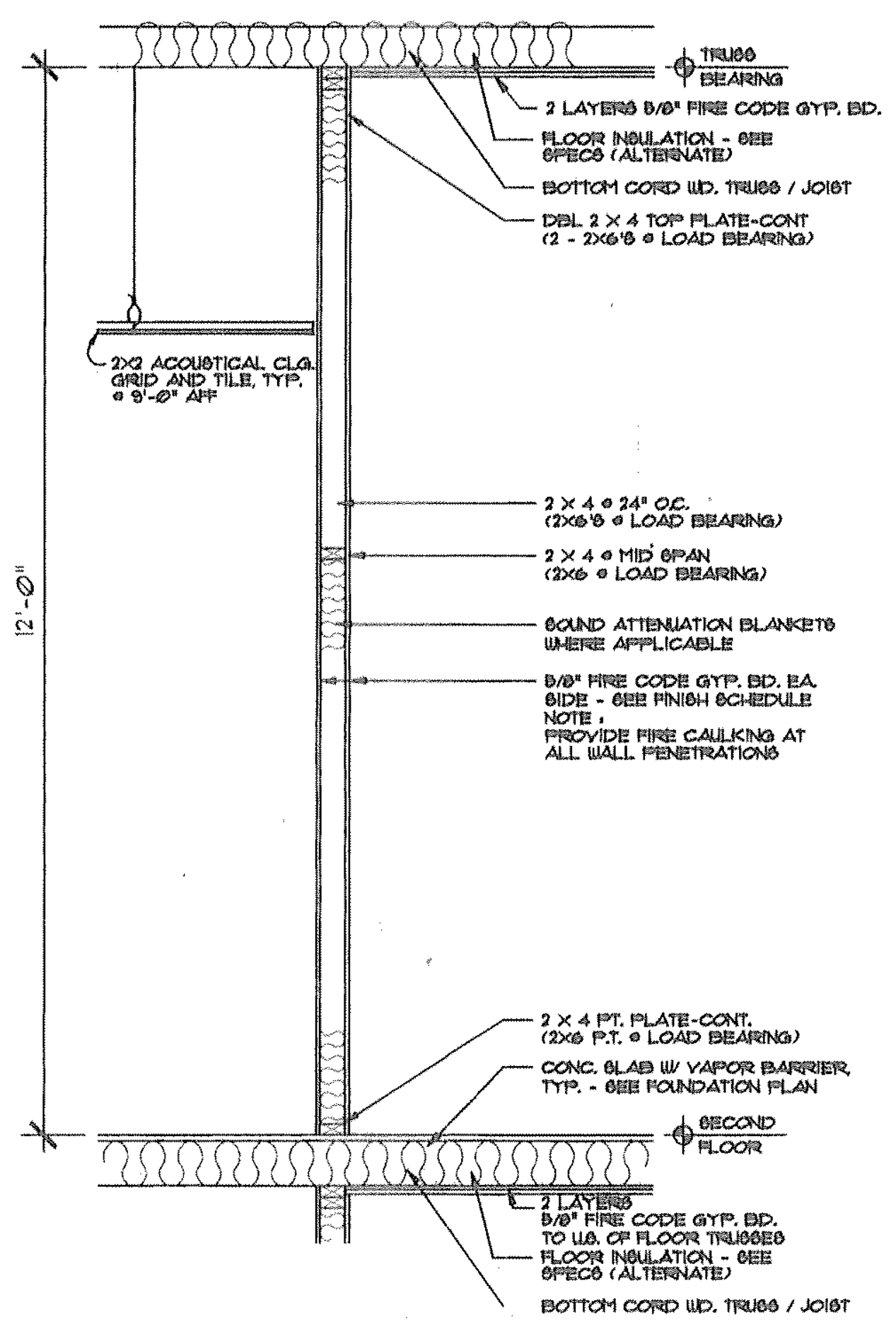

FLOOR INSULATION - SEE SPECS (ALTERNATE)
BOTTOM CORD WD. TRUSS / JOIST
DBL 2 X 4 TOP PLATE-CONT (2 - 2X6'S @ LOAD BEARING)
2 X 4 @ 24" O.C. (2X6'S @ LOAD BEARING)
2X2 ACOUSTICAL CLG. GRID AND TILE, TYP. @ 9'-0" AFF
12'-0"
2 X 4 @ MID SPAN (2X6 @ LOAD BEARING)
SOUND ATTENUATION BLANKETS WHERE APPLICABLE
2 X 4 PT. PLATE-CONT. (2X6 P.T. @ LOAD BEARING)
CONC. SLAB W/ VAPOR BARRIER, TYP. - SEE FOUNDATION PLAN
THICKENED SLAB @ LOAD BEARING WALLS - SEE STRUCTURAL, TYP.

NON-RATED INTERIOR PARTITION

4

1/2" = 1'

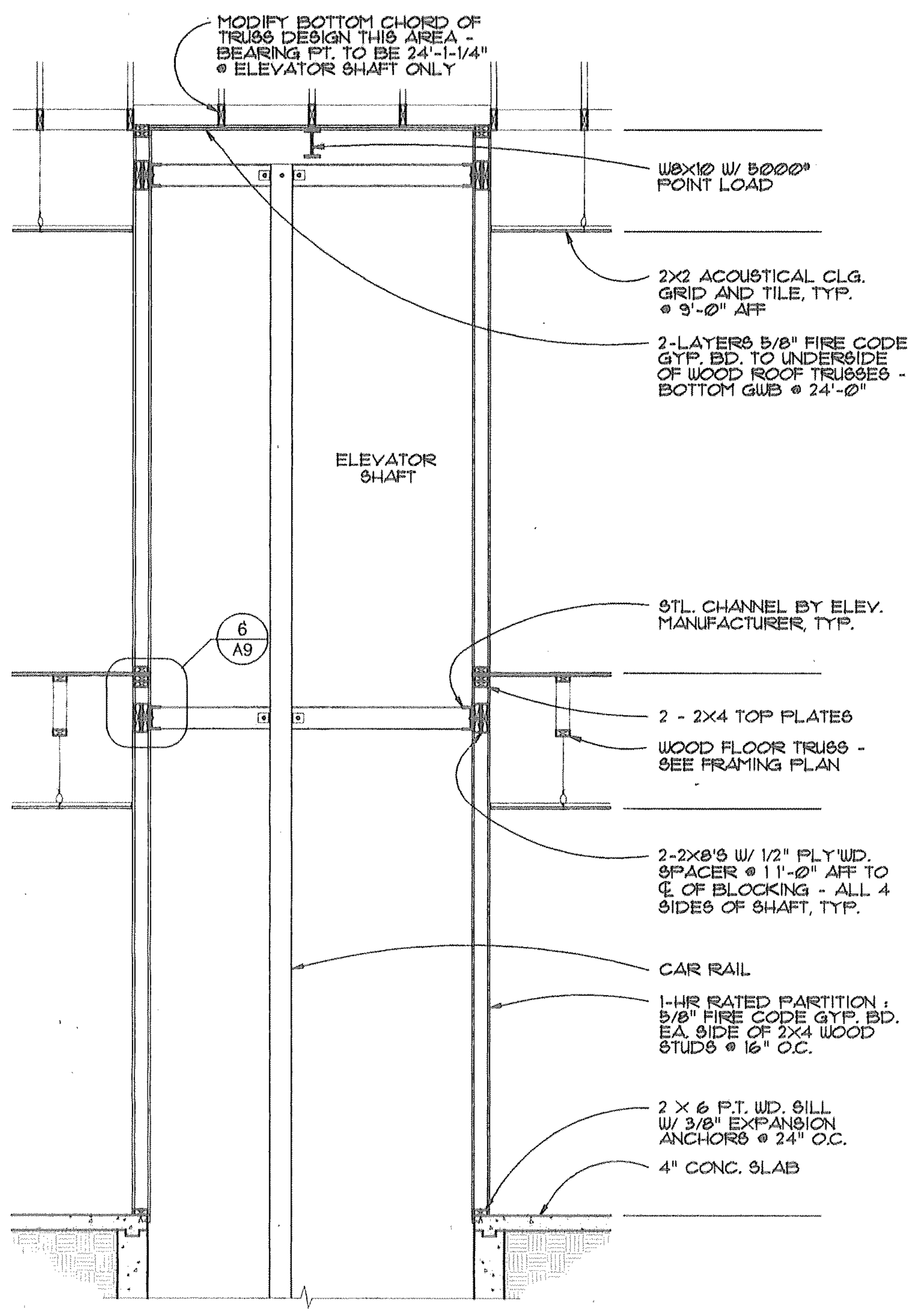
1059


TRUSS BEARING
2 LAYERS 5/8" FIRE CODE GYP. BD.
FLOOR INSULATION - SEE SPECS (ALTERNATE)
BOTTOM CORD WD. TRUSS / JOIST
DBL 2 X 4 TOP PLATE-CONT (2 - 2X6'S @ LOAD BEARING)
2X2 ACOUSTICAL CLG. GRID AND TILE, TYP. @ 9'-0" AFF
12'-0"
2 X 4 @ 24" O.C. (2X6'S @ LOAD BEARING)
2 X 4 @ MID SPAN (2X6 @ LOAD BEARING)
SOUND ATTENUATION BLANKETS WHERE APPLICABLE
5/8" FIRE CODE GYP. BD. EA. SIDE - SEE FINISH SCHEDULE
NOTE : PROVIDE FIRE CAULKING AT ALL WALL PENETRATIONS
2 X 4 PT. PLATE-CONT. (2X6 P.T. @ LOAD BEARING)
CONC. SLAB W/ VAPOR BARRIER, TYP. - SEE FOUNDATION PLAN
SECOND FLOOR
2 LAYERS 5/8" FIRE CODE GYP. BD. TO U.S. OF FLOOR TRUSSES
FLOOR INSULATION - SEE SPECS (ALTERNATE)
BOTTOM CORD WD. TRUSS / JOIST

1 HR. RATED INTERIOR PARTITION

8

1/2" = 1'

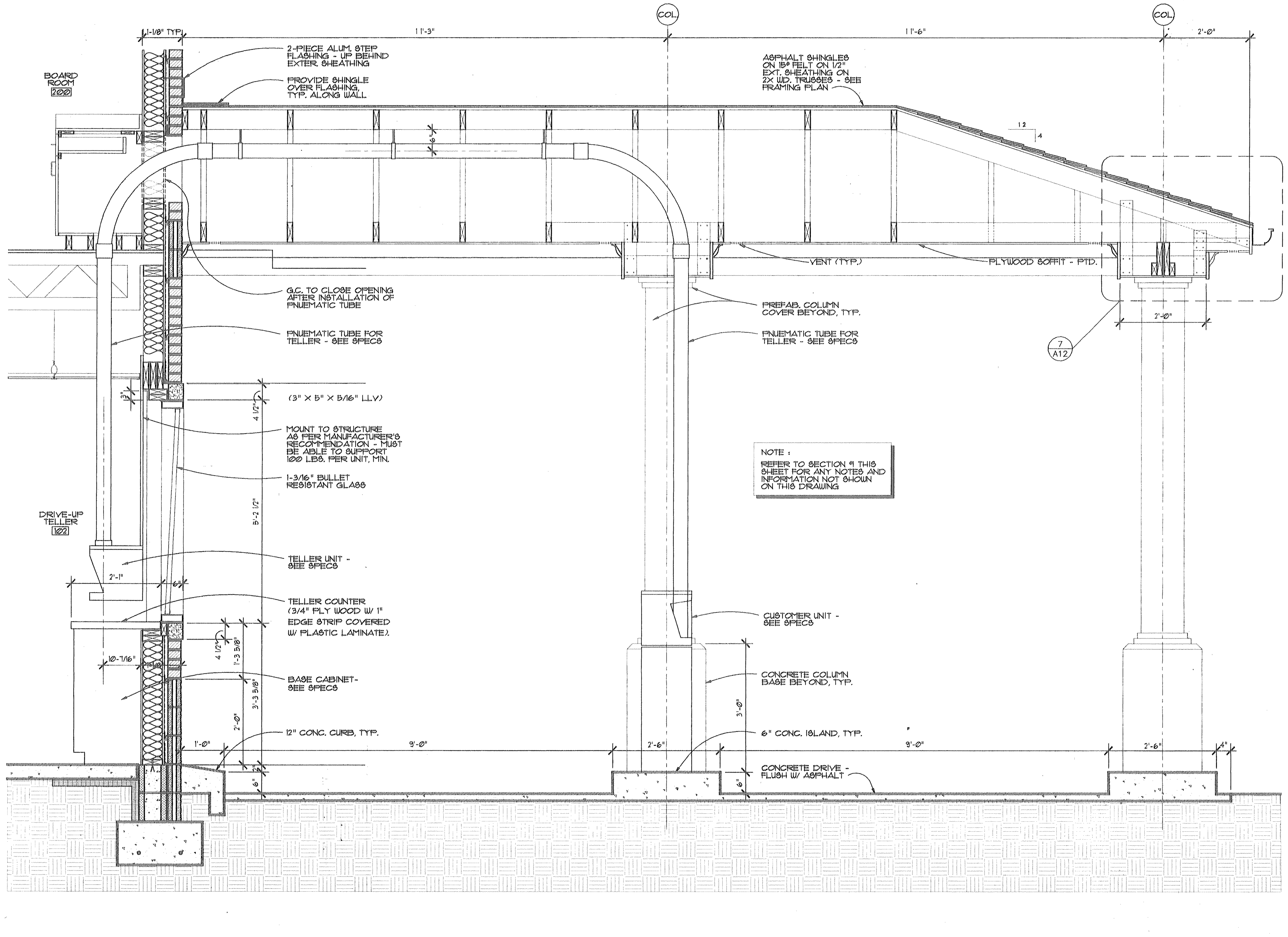

MODIFY BOTTOM CHORD OF TRUSS DESIGN THIS AREA - BEARING PT. TO BE 24'-1-1/4" @ ELEVATOR SHAFT ONLY
W8X10 W/ 5000# POINT LOAD
2X2 ACOUSTICAL CLG. GRID AND TILE, TYP. @ 9'-0" AFF
2-LAYERS 5/8" FIRE CODE GYP. BD. TO UNDERSIDE OF WOOD ROOF TRUSSES - BOTTOM GWB @ 24'-0"
ELEVATOR SHAFT
6
A9
STL. CHANNEL BY ELEV. MANUFACTURER, TYP.
2 - 2X4 TOP PLATES
WOOD FLOOR TRUSS - SEE FRAMING PLAN
2-2X8'S W/ 1/2" PLY'WD. SPACER @ 11'-0" AFF TO ℄ OF BLOCKING - ALL 4 SIDES OF SHAFT, TYP.
CAR RAIL
1-HR RATED PARTITION : 5/8" FIRE CODE GYP. BD. EA. SIDE OF 2X4 WOOD STUDS @ 16" O.C.
2 X 6 P.T. WD. SILL W/ 3/8" EXPANSION ANCHORS @ 24" O.C.
4" CONC. SLAB

SECTION AT ELEVATOR SHAFT

7

3/8" = 1'

11000


BOARD ROOM
200
1-1/8" TYP.
11'-3"
COL.
11'-6"
COL.
2'-0"
2-PIECE ALUM. STEP FLASHING - UP BEHIND EXTER. SHEATHING
PROVIDE SHINGLE OVER FLASHING, TYP. ALONG WALL
ASPHALT SHINGLES ON 15# FELT ON 1/2" EXT. SHEATHING ON 2X WD. TRUSSES - SEE FRAMING PLAN
12
4
6"
VENT (TYP.)
PLYWOOD SOFFIT - PTD.
G.C. TO CLOSE OPENING AFTER INSTALLATION OF PNUEMATIC TUBE
PREFAB. COLUMN COVER BEYOND, TYP.
PNUEMATIC TUBE FOR TELLER - SEE SPECS
PNUEMATIC TUBE FOR TELLER - SEE SPECS
2'-0"
7
A12
3"
4 1/2"
(3" X 5" X 5/16" LLV)
MOUNT TO STRUCTURE AS PER MANUFACTURER'S RECOMMENDATION - MUST BE ABLE TO SUPPORT 100 LBS. PER UNIT, MIN.
1-3/16" BULLET RESISTANT GLASS
5'-2 1/2"
DRIVE-UP TELLER
102
TELLER UNIT - SEE SPECS
2'-1"
6"
TELLER COUNTER (3/4" PLY WOOD W/ 1" EDGE STRIP COVERED W/ PLASTIC LAMINATE).
10-7/16"
4 1/2"
1'-3 5/8"
3'-3 5/8"
BASE CABINET- SEE SPECS
2'-0"
12" CONC. CURB, TYP.
1'-0"
9'-0"
2"
6"
CUSTOMER UNIT - SEE SPECS
CONCRETE COLUMN BASE BEYOND, TYP.
3'-0"
6" CONC. ISLAND, TYP.
2'-6"
9'-0"
2'-6"
4"
6"
CONCRETE DRIVE - FLUSH W/ ASPHALT

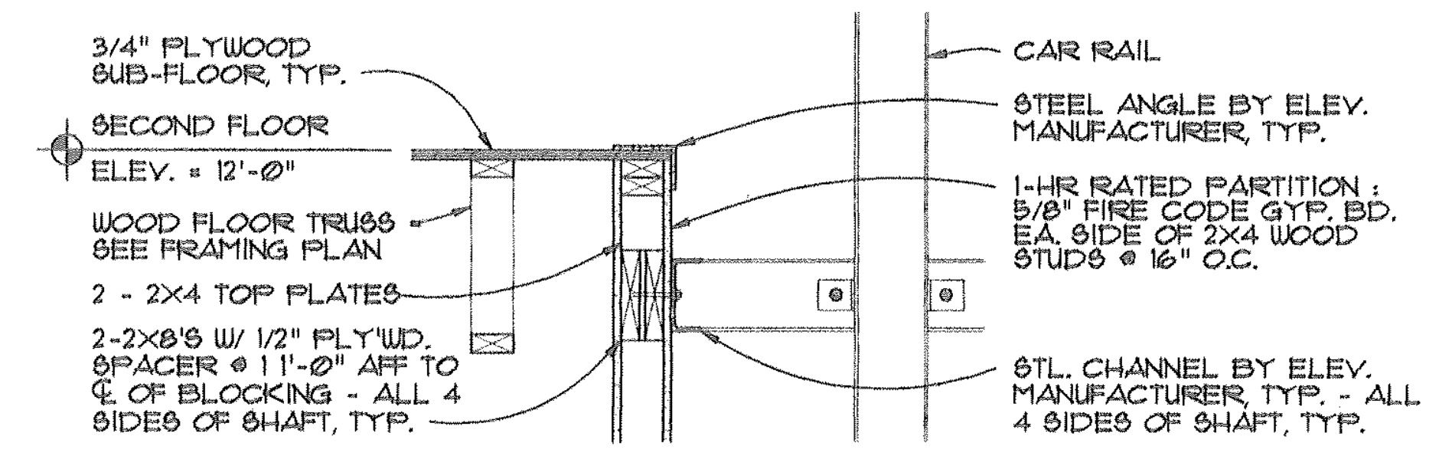
NOTE :
REFER TO SECTION 9 THIS SHEET FOR ANY NOTES AND INFORMATION NOT SHOWN ON THIS DRAWING

SECTION AT DRIVE THRU CANOPY

1

3/4" = 1'

7509

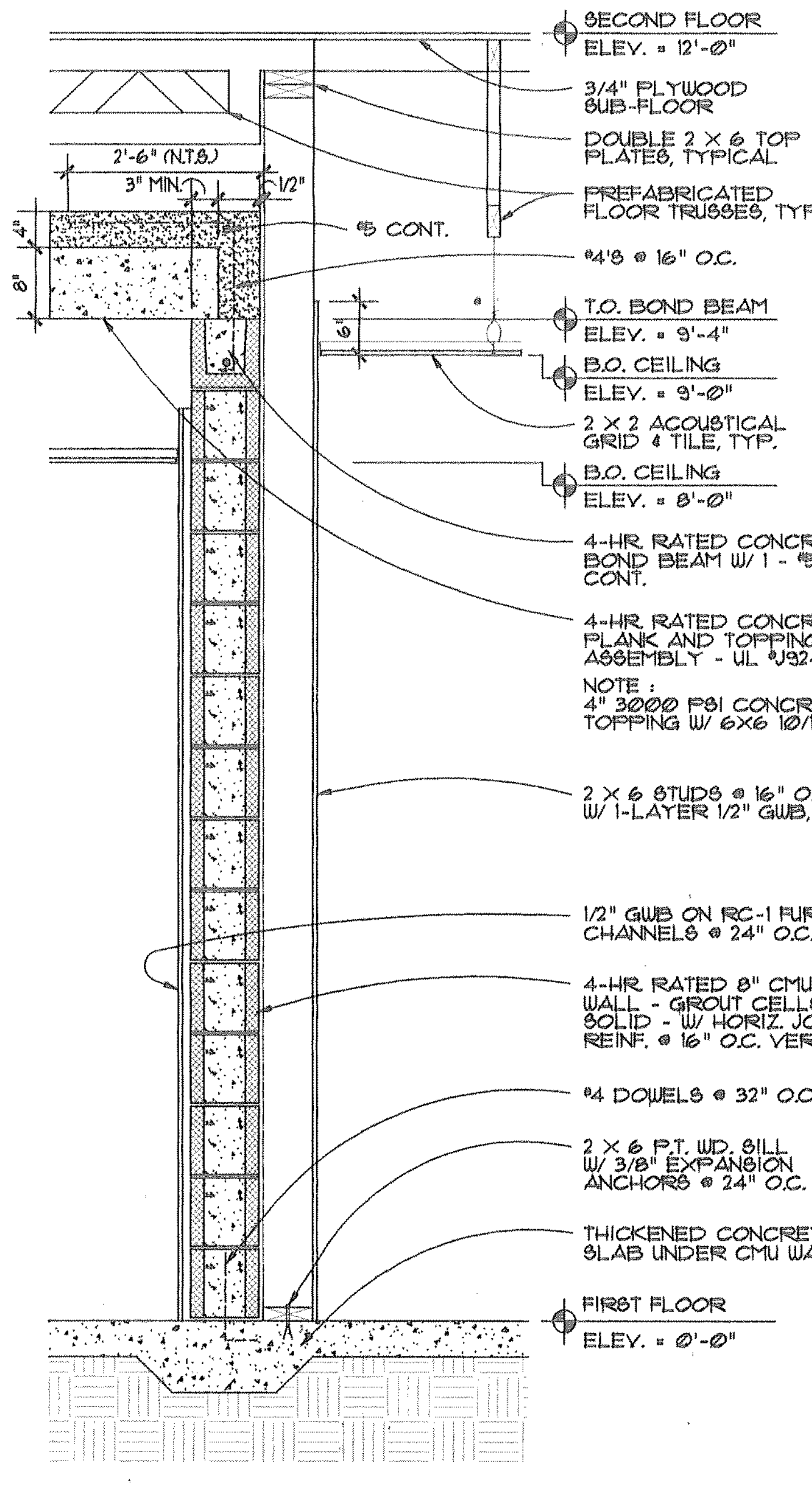

3/4" PLYWOOD SUB-FLOOR, TYP.
SECOND FLOOR ELEV. = 12'-0"
WOOD FLOOR TRUSS - SEE FRAMING PLAN
2 - 2X4 TOP PLATES
2-2X8'S W/ 1/2" PLY'WD. SPACER @ 11'-0" AFF TO ℄ OF BLOCKING - ALL 4 SIDES OF SHAFT, TYP.
CAR RAIL
STEEL ANGLE BY ELEV. MANUFACTURER, TYP.
1-HR RATED PARTITION : 5/8" FIRE CODE GYP. BD. EA. SIDE OF 2X4 WOOD STUDS @ 16" O.C.
STL. CHANNEL BY ELEV. MANUFACTURER, TYP. - ALL 4 SIDES OF SHAFT, TYP.

ELEVATOR DETAIL

6

3/4" = 1'

1062

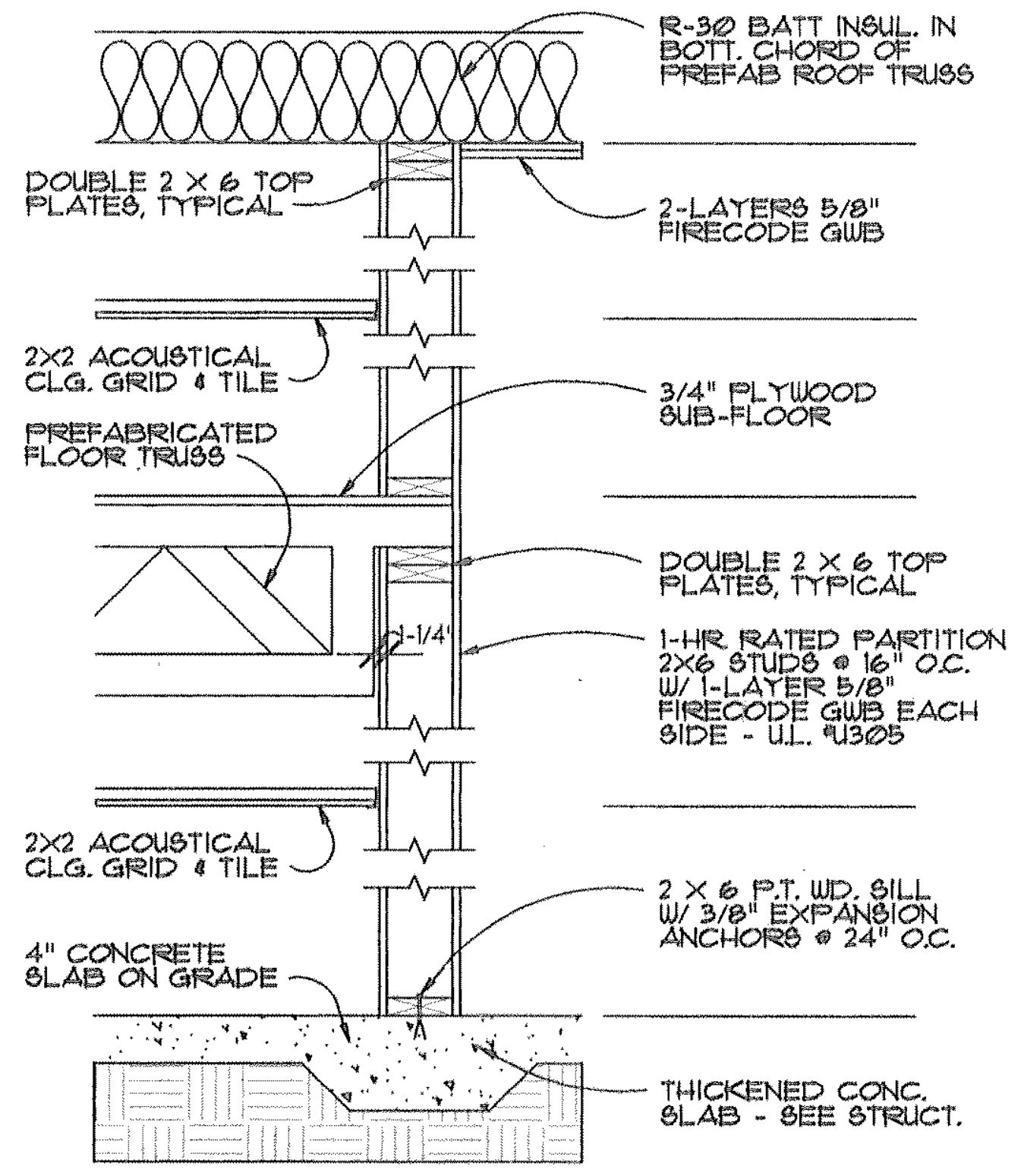

SECOND FLOOR ELEV. = 12'-0"
3/4" PLYWOOD SUB-FLOOR
DOUBLE 2 X 6 TOP PLATES, TYPICAL
PREFABRICATED FLOOR TRUSSES, TYP.
2'-6" (N.T.S.)
3" MIN.
1/2"
#5 CONT.
4"
8"
#4'S @ 16" O.C.
T.O. BOND BEAM ELEV. = 9'-4"
6"
B.O. CEILING ELEV. = 9'-0"
2 X 2 ACOUSTICAL GRID & TILE, TYP.
B.O. CEILING ELEV. = 8'-0"
4-HR. RATED CONCRETE BOND BEAM W/ 1 - #5 CONT.
4-HR. RATED CONCRETE PLANK AND TOPPING ASSEMBLY - UL #J924
NOTE : 4" 3000 PSI CONCRETE TOPPING W/ 6X6 10/10 WWM
2 X 6 STUDS @ 16" O.C. W/ 1-LAYER 1/2" GWB, PTD.
1/2" GWB ON RC-1 FURR. CHANNELS @ 24" O.C.
4-HR. RATED 8" CMU WALL - GROUT CELLS SOLID - W/ HORIZ. JOINT REINF. @ 16" O.C. VERT.
#4 DOWELS @ 32" O.C.
2 X 6 P.T. WD. SILL W/ 3/8" EXPANSION ANCHORS @ 24" O.C.
THICKENED CONCRETE SLAB UNDER CMU WALL
FIRST FLOOR ELEV. = 0'-0"

WALL SECTION

2

3/4" = 1'

1063


R-30 BATT INSUL. IN BOTT. CHORD OF PREFAB ROOF TRUSS
DOUBLE 2 X 6 TOP PLATES, TYPICAL
2-LAYERS 5/8" FIRECODE GWB
2X2 ACOUSTICAL CLG. GRID & TILE
3/4" PLYWOOD SUB-FLOOR
PREFABRICATED FLOOR TRUSS
DOUBLE 2 X 6 TOP PLATES, TYPICAL
1-1/4"
1-HR. RATED PARTITION : 2X6 STUDS @ 16" O.C. W/ 1-LAYER 5/8" FIRECODE GWB EACH SIDE - U.L. #U305
2X2 ACOUSTICAL CLG. GRID & TILE
2 X 6 P.T. WD. SILL W/ 3/8" EXPANSION ANCHORS @ 24" O.C.
4" CONCRETE SLAB ON GRADE
THICKENED CONC. SLAB - SEE STRUCT.

SECTION AT STAIR

5

3/4" = 1'

7019

NOTES

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER, JR

9-15-97

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DAA
Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
1325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
WALL SECTIONS AND DETAILS

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 16, 1997

DATE
SEP. 15, 1997

DRAWN BY
RPA

CHECKED BY
EHB

SHEET NO.
A-9
OF 14

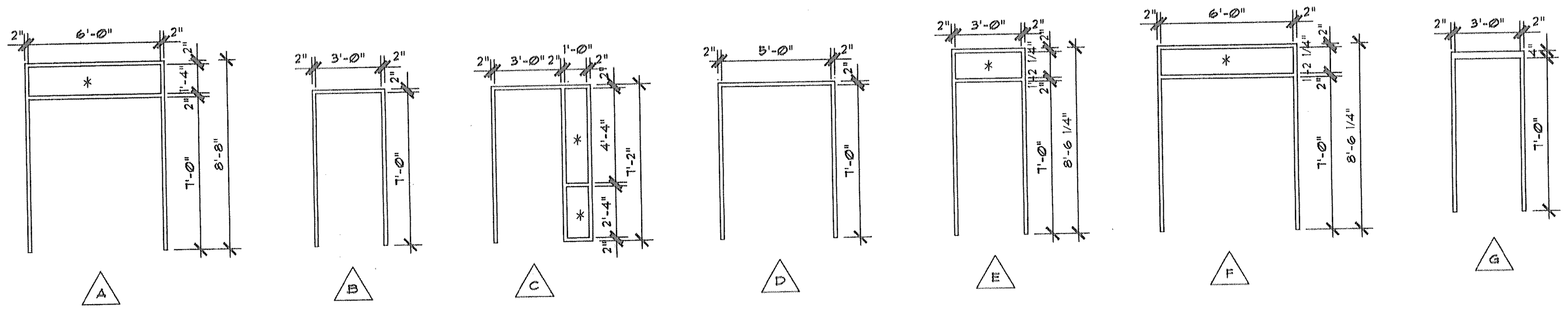
FOR CONSTRUCTION

DOOR SCHEDULE

NUMBER	TYPE	MATL	WIDTH	HEIGHT	THICK	FIN	U-CU	UL	HDW	FTYPE	FMATL	FFIN	JAMB	HEAD	REMARKS
101	A	METAL	2x3'-0"	7'-0"	1 3/4"	PTD	-	-	-	A	HM	PTD	1A	1	W/TEMP GLASS
102	A	METAL	2x3'-0"	7'-0"	1 3/4"	PTD	-	-	-	F	HM	PTD	1	1	W/TEMP GLASS
103	A	METAL	2x3'-0"	7'-0"	1 3/4"	PTD	-	-	-	F	HM	PTD	2	2	W/TEMP GLASS, NOTE #3
104	B	METAL	3'-0"	7'-0"	1 3/4"	PTD	-	-	-	G	HM	PTD	4	4	-
105	A	METAL	3'-0"	7'-0"	1 3/4"	PTD	-	-	-	E	HM	PTD	1	1	W/TEMP GLASS
106	B	METAL	3'-0"	7'-0"	1 3/4"	PTD	-	-	-	G	HM	PTD	4	4	-
107	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	3	3	-
108	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	3	3	-
109	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	3	3	NOTE #1
110	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
111	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	3	3	-
112	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	3	3	-
113	B	METAL	3'-0"	7'-0"	1 3/4"	PTD	-	A	-	B	HM	PTD	5	5	A LABEL DOOR&FRAME
114	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	B	-	B	HM	PTD	6	6	B LABEL DOOR&FRAME
115	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
116	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	C	-	B	HM	PTD	6	6	C LABEL DOOR&FRAME
117	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	C	-	B	HM	PTD	6	6	C LABEL DOOR&FRAME
118	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	3	3	-
119	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
120	C	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	3	3	W/TEMP GLASS
121	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	3	3	-
122	C	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
123	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	B	-	B	HM	PTD	7	7	B LABEL DOOR&FRAME
124	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
125	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
126	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
127	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
128	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	3	3	-
129	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	B	-	B	HM	PTD	6	6	B LABEL DOOR&FRAME
130	B	WOOD	2x2'-6"	7'-0"	1 3/4"	STAIN	-	-	-	D	HM	PTD	3	3	-
131	B	WOOD	2x2'-6"	7'-0"	1 3/4"	STAIN	-	-	-	D	HM	PTD	3	3	-
201	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	2	2	W/TEMP GLASS
202	B	WOOD	2x2'-6"	7'-0"	1 3/4"	STAIN	-	-	-	D	HM	PTD	3	3	-
203	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	3	3	-
204	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
205	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	2	2	W/TEMP GLASS
206	B	WOOD	2x2'-6"	7'-0"	1 3/4"	STAIN	-	-	-	D	HM	PTD	3	3	-
207	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	B	-	B	HM	PTD	6	6	B LABEL DOOR&FRAME
208	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
209	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
210	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	3	3	W/TEMP GLASS
211	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
212	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	3	3	W/TEMP GLASS
213	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	B	-	B	HM	PTD	2	2	B LABEL DOOR&FRAME
214	B	WOOD	2x2'-6"	7'-0"	1 3/4"	STAIN	-	-	-	D	HM	PTD	2	2	-
215	B	WOOD	2x2'-6"	7'-0"	1 3/4"	STAIN	-	-	-	D	HM	PTD	3	3	-
216	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	C	HM	PTD	2	2	W/TEMP GLASS
217	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	-
218	B	WOOD	2x2'-6"	7'-0"	1 3/4"	STAIN	-	C	-	D	HM	PTD	3	3	C LABEL DOOR&FRAME
219	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	3	3	-
220	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	SILL 2A
221	B	WOOD	3'-0"	7'-0"	1 3/4"	STAIN	-	-	-	B	HM	PTD	2	2	SILL 2A

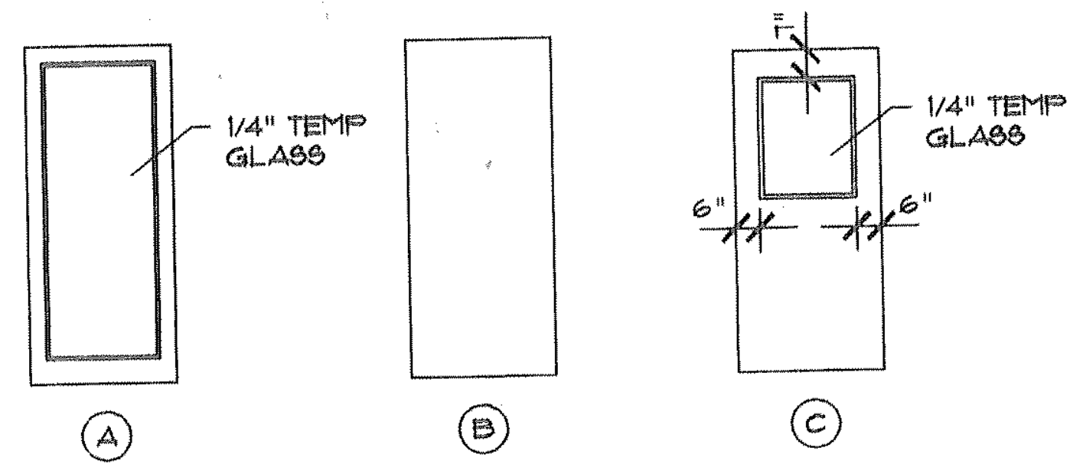
NOTES:

1. MAGNETIC LOCK DEVICE CONTROLLED FROM CASHIER 101 (SEE ELECTRICAL DRAWINGS).
2. ALL EXT. HOLLOW METAL DOORS #101,102,103,&105 SHALL BE STYLE AND RAIL TYPE DOOR.
3. AT DOOR #3 DOOR MGF SHALL PROVIDE RACEWAY FOR WIRE FROM TOP HINGE TO ELECTRIC STRIKE LOCATION.


2"
6'-0"
2"
*
2"
1'-4"
2"
7'-0"
8'-8"
A
2"
3'-0"
2"
2"
7'-0"
B
2"
3'-0"
2"
1'-0"
2"
2"
*
4'-4"
*
2'-4"
2"
7'-2"
C
2"
5'-0"
2"
2"
7'-0"
D
2"
3'-0"
2"
*
2"
1'-2 1/4"
2"
7'-0"
8'-6 1/4"
E
2"
6'-0"
2"
*
2"
1'-2 1/4"
2"
7'-0"
8'-6 1/4"
F
2"
3'-0"
2"
4"
7'-0"
G

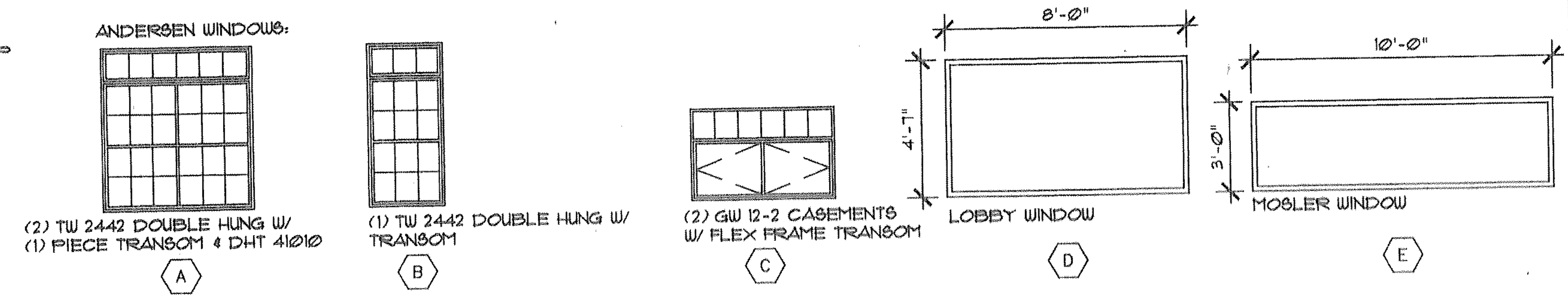
DOOR FRAME TYPES

1/4" = 1' * 1/4" TEMPERED GLASS


1/4" TEMP GLASS
A
B
1"
1/4" TEMP GLASS
6"
6"
C

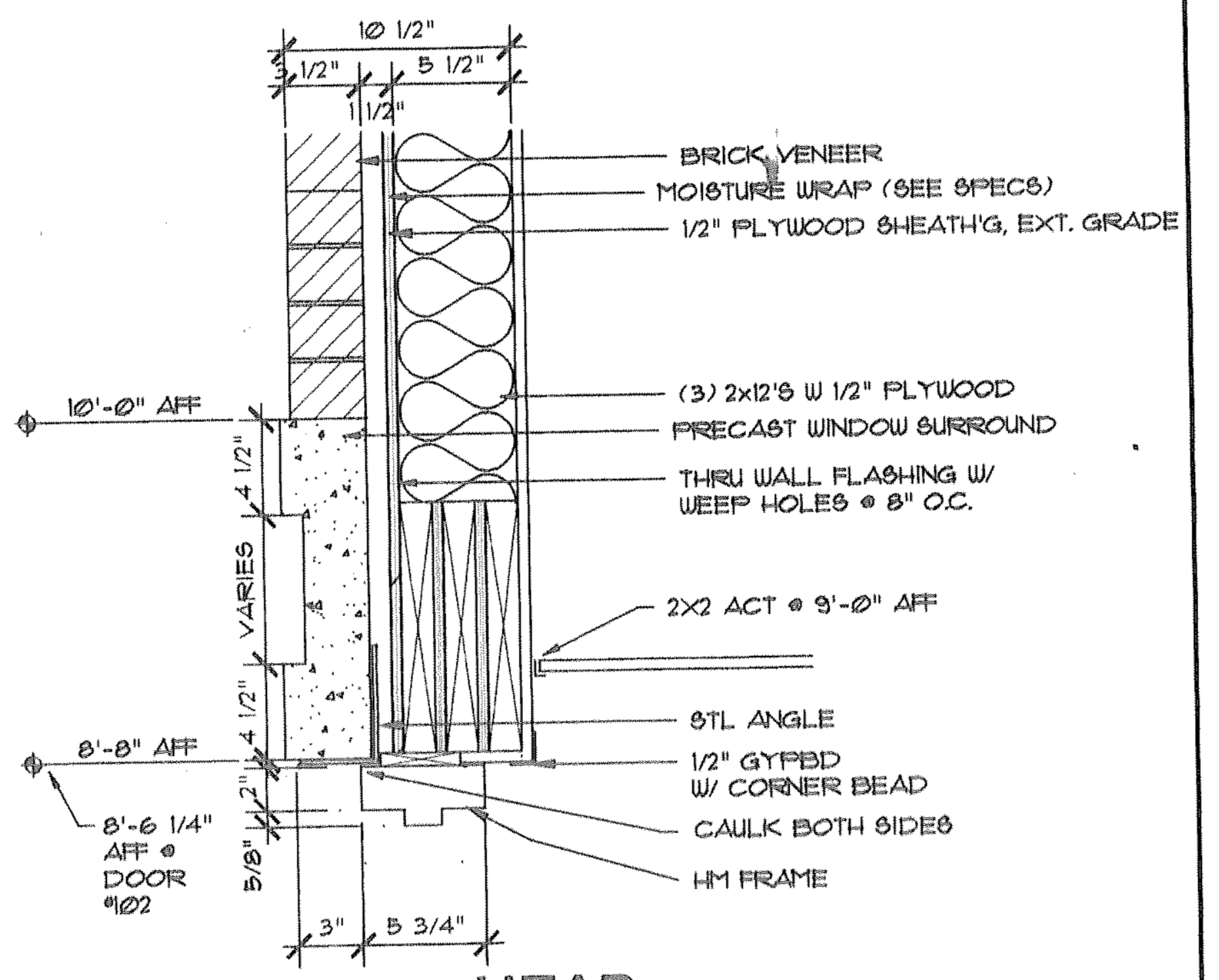
DOOR TYPES

1/4" = 1'


ANDERSEN WINDOWS:
(2) TW 2442 DOUBLE HUNG W/ (1) PIECE TRANSOM & DHT 41010
A
(1) TW 2442 DOUBLE HUNG W/ TRANSOM
B
(2) GW 12-2 CASEMENTS W/ FLEX FRAME TRANSOM
C
8'-0"
4'-7"
LOBBY WINDOW
D
10'-0"
3'-0"
MOSLER WINDOW
E

WINDOW TYPES

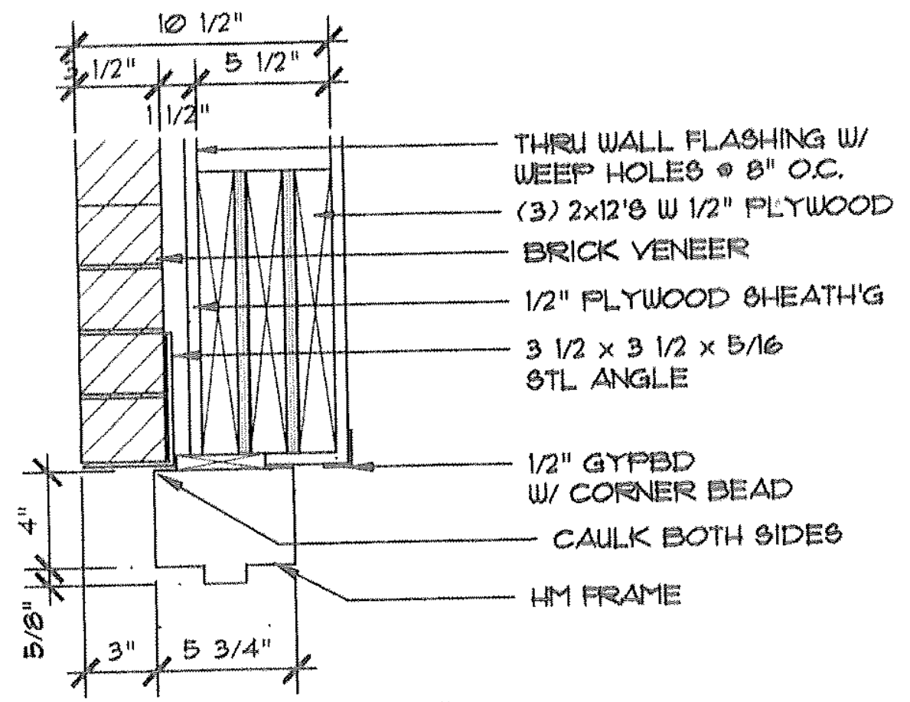
1/4" = 1'


10 1/2"
3 1/2"
5 1/2"
1 1/2"
BRICK VENEER
MOISTURE WRAP (SEE SPECS)
1/2" PLYWOOD SHEATH'G, EXT. GRADE
10'-0" AFF
(3) 2x12'S W 1/2" PLYWOOD
PRECAST WINDOW SURROUND
4 1/2"
THRU WALL FLASHING W/ WEEP HOLES @ 8" O.C.
VARIES
2X2 ACT @ 9'-0" AFF
4 1/2"
STL ANGLE
8'-8" AFF
1/2" GYPBD W/ CORNER BEAD
2"
8'-6 1/4" AFF @ DOOR #102
CAULK BOTH SIDES
5/8"
HM FRAME
3"
5 3/4"

HEAD

1/A10

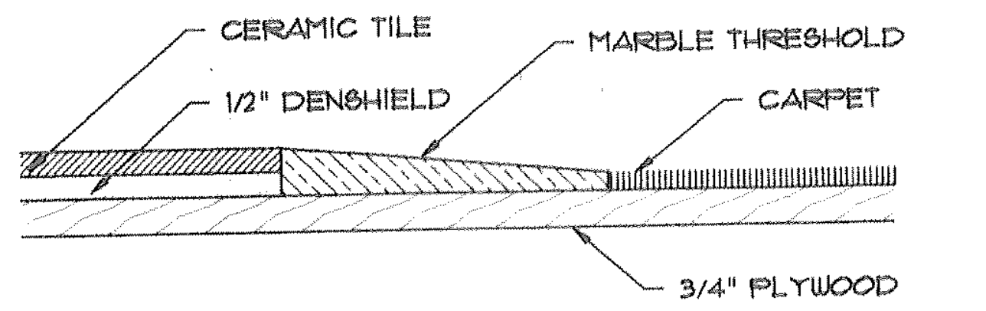
1 1/2" = 1'


10 1/2"
3 1/2"
5 1/2"
1 1/2"
THRU WALL FLASHING W/ WEEP HOLES @ 8" O.C.
(3) 2x12'S W 1/2" PLYWOOD
BRICK VENEER
1/2" PLYWOOD SHEATH'G
3 1/2 x 3 1/2 x 5/16 STL ANGLE
1/2" GYPBD W/ CORNER BEAD
4"
CAULK BOTH SIDES
5/8"
HM FRAME
3"
5 3/4"

HEAD

4/A10

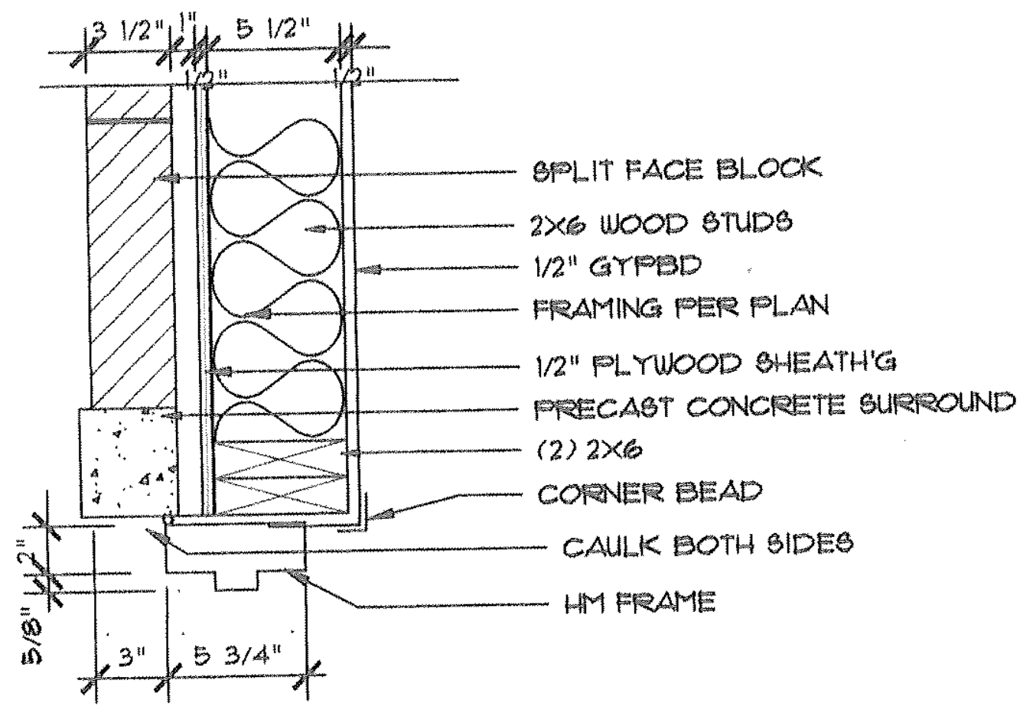
1 1/2" = 1'


CERAMIC TILE
MARBLE THRESHOLD
1/2" DENSHIELD
CARPET
3/4" PLYWOOD

SILL

2A/A10

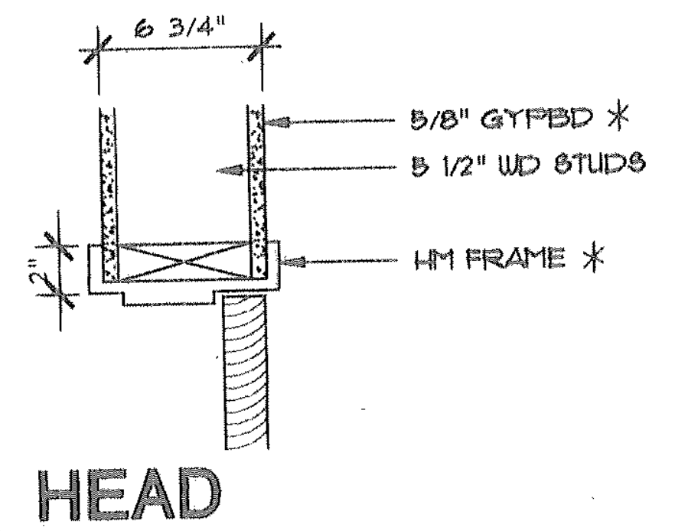
3" = 1' 5039


3 1/2"
1"
5 1/2"
1/2"
1/2"
SPLIT FACE BLOCK
2X6 WOOD STUDS
1/2" GYPBD
FRAMING PER PLAN
1/2" PLYWOOD SHEATH'G
PRECAST CONCRETE SURROUND
(2) 2X6
CORNER BEAD
2"
CAULK BOTH SIDES
5/8"
HM FRAME
3"
5 3/4"

JAMB

1/A10

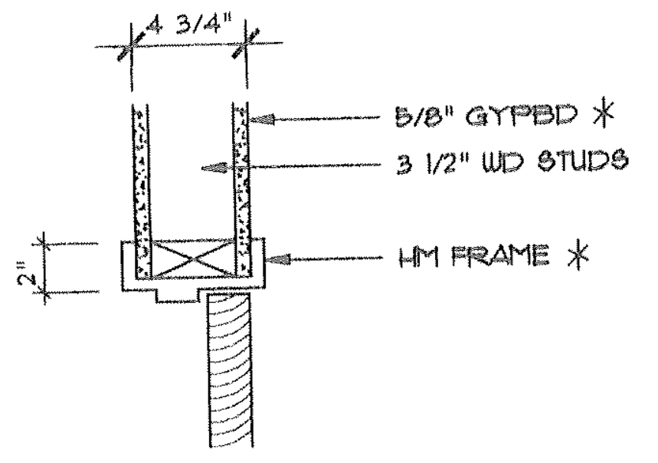
1 1/2" = 1'


6 3/4"
5/8" GYPBD *
5 1/2" WD STUDS
2"
HM FRAME *

HEAD

7/A10

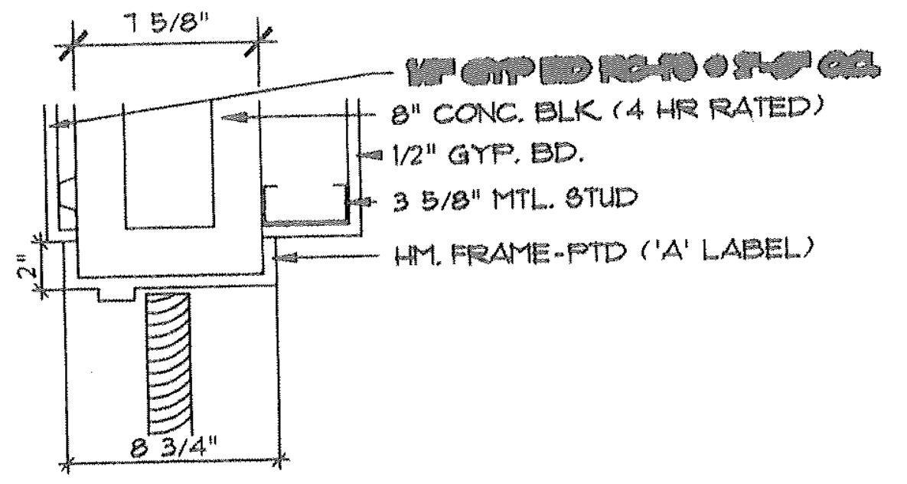
1 1/2" = 1'


4 3/4"
5/8" GYPBD *
3 1/2" WD STUDS
2"
HM FRAME *

HEAD

6/A10

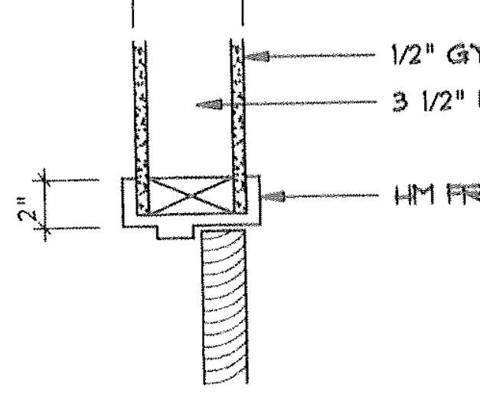
1 1/2" = 1'


7 5/8"
1/2" GYP BD RC-10 @ 2'-0" O.C.
8" CONC. BLK. (4 HR RATED)
1/2" GYP. BD.
3 5/8" MTL. STUD
2"
HM. FRAME-PTD ('A' LABEL)
8 3/4"

HEAD

5/A10

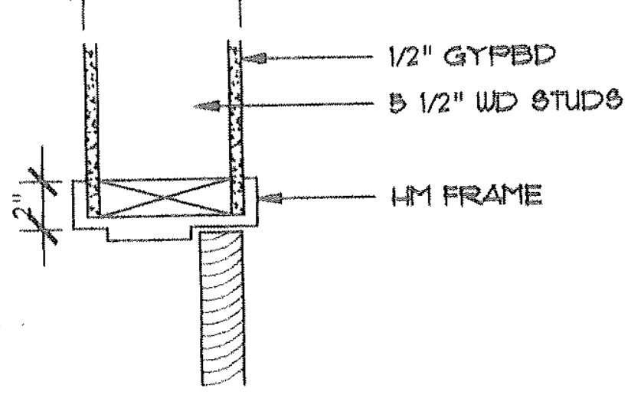
1 1/2" = 1' 5037


4 1/2"
1/2" GYPBD
3 1/2" WD STUDS
2"
HM FRAME

HEAD

3/A10

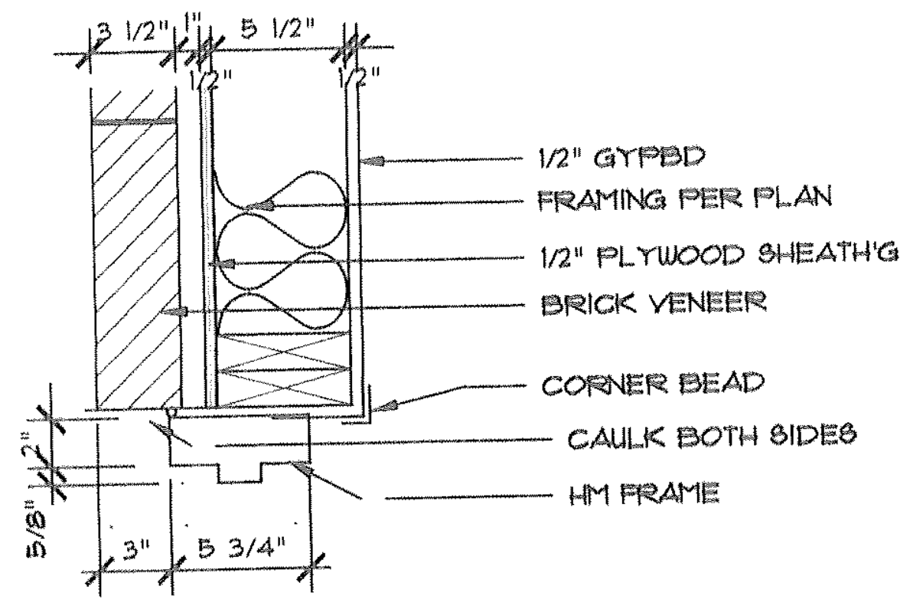
1 1/2" = 1'


6 1/2"
1/2" GYPBD
5 1/2" WD STUDS
2"
HM FRAME

HEAD

2/A10

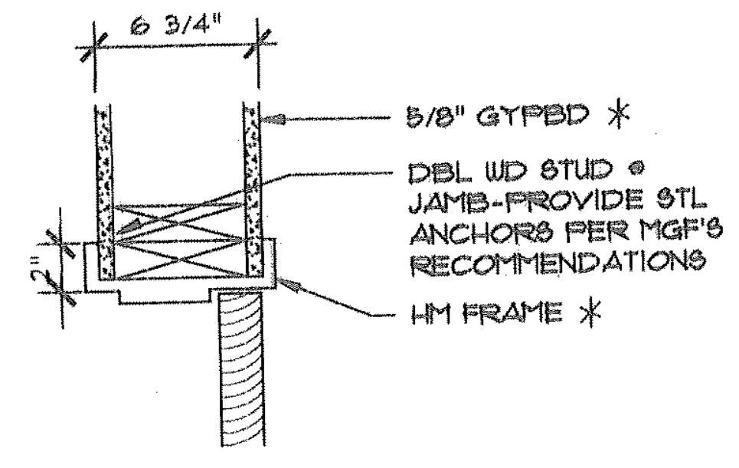
1 1/2" = 1'


3 1/2"
1"
5 1/2"
1/2"
1/2"
1/2" GYPBD
FRAMING PER PLAN
1/2" PLYWOOD SHEATH'G
BRICK VENEER
CORNER BEAD
2"
CAULK BOTH SIDES
5/8"
HM FRAME
3"
5 3/4"

JAMB

4/A10

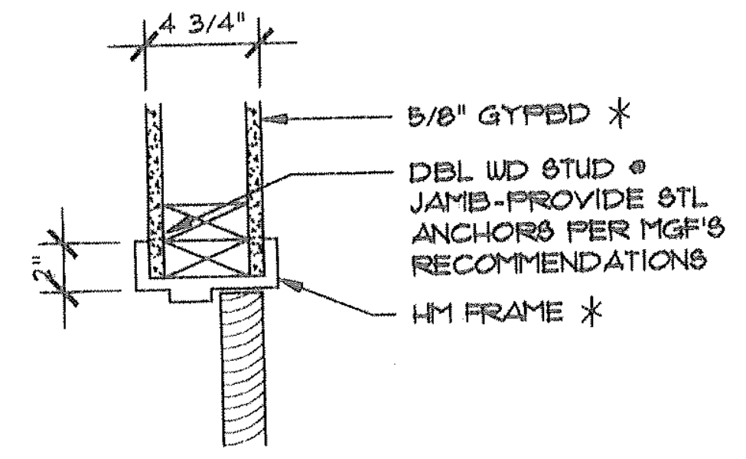
1 1/2" = 1'


6 3/4"
5/8" GYPBD *
DBL WD STUD @ JAMB-PROVIDE STL ANCHORS PER MGF'S RECOMMENDATIONS
2"
HM FRAME *

JAMB

7/A10

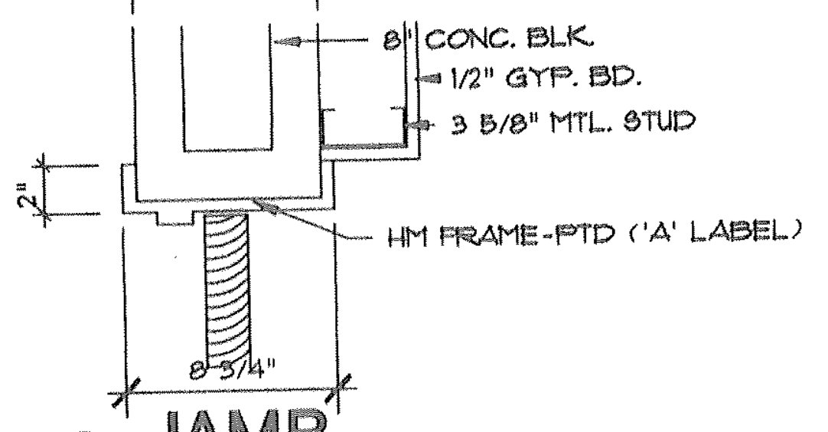
1 1/2" = 1'


4 3/4"
5/8" GYPBD *
DBL WD STUD @ JAMB-PROVIDE STL ANCHORS PER MGF'S RECOMMENDATIONS
2"
HM FRAME *

JAMB

6/A10

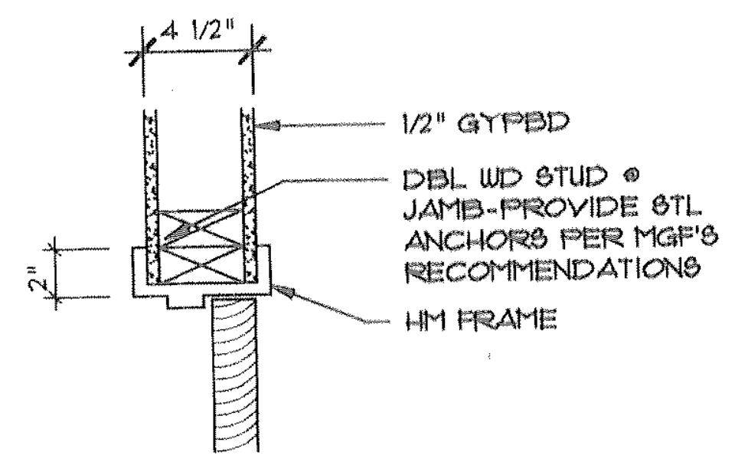
1 1/2" = 1'


7 5/8"
8" CONC. BLK.
1/2" GYP. BD.
3 5/8" MTL. STUD
2"
HM FRAME-PTD ('A' LABEL)
8 3/4"

JAMB

5/A10

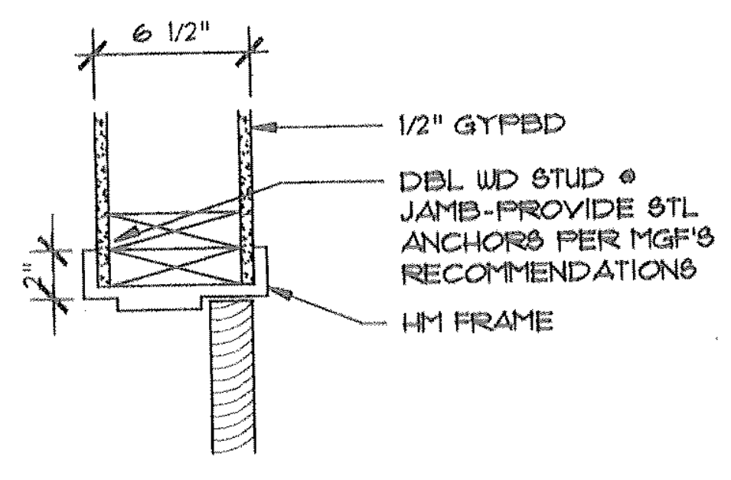
1 1/2" = 1' 5037


4 1/2"
1/2" GYPBD
DBL WD STUD @ JAMB-PROVIDE STL ANCHORS PER MGF'S RECOMMENDATIONS
2"
HM FRAME

JAMB

3/A10

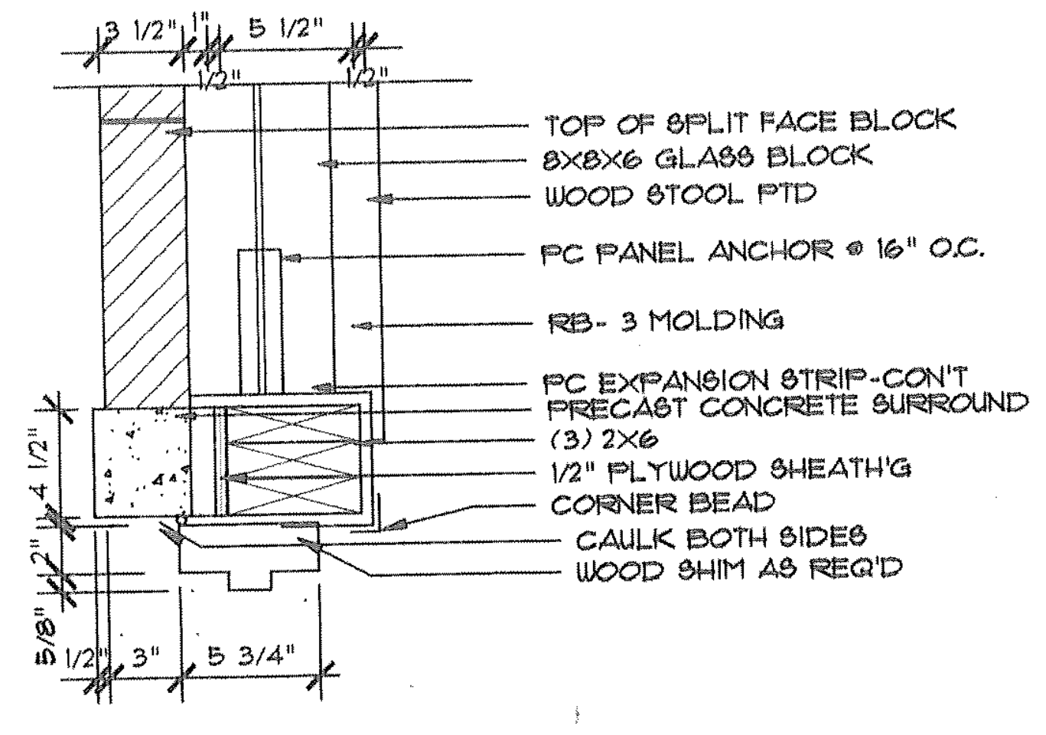
1 1/2" = 1'


6 1/2"
1/2" GYPBD
DBL WD STUD @ JAMB-PROVIDE STL ANCHORS PER MGF'S RECOMMENDATIONS
2"
HM FRAME

JAMB

2/A10

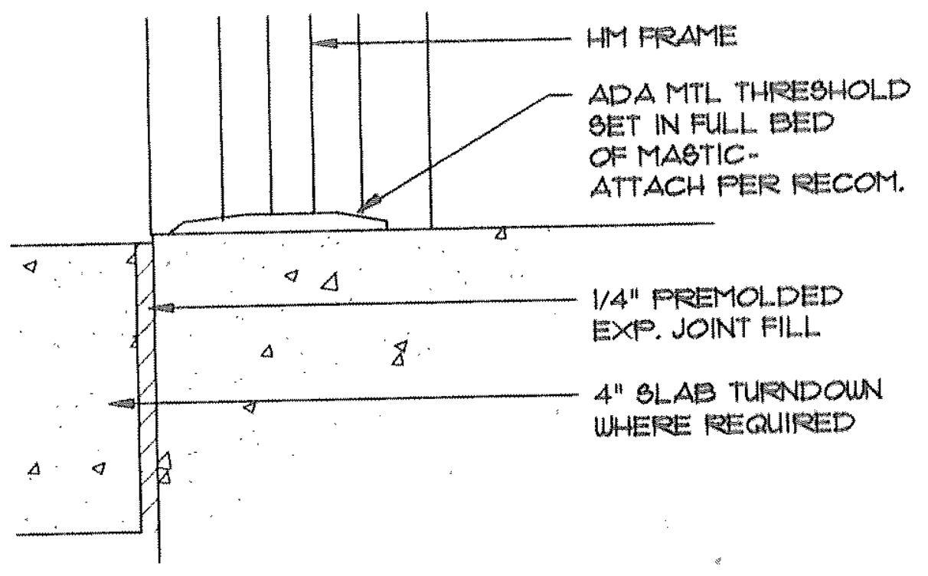
1 1/2" = 1'


3 1/2"
1"
5 1/2"
1/2"
1/2"
TOP OF SPLIT FACE BLOCK
8X8X6 GLASS BLOCK
WOOD STOOL PTD
PC PANEL ANCHOR @ 16" O.C.
RB- 3 MOLDING
PC EXPANSION STRIP-CON'T
PRECAST CONCRETE SURROUND
(3) 2X6
1/2" PLYWOOD SHEATH'G
CORNER BEAD
4 1/2"
CAULK BOTH SIDES
2"
WOOD SHIM AS REQ'D
5/8"
1/2"
3"
5 3/4"

JAMB

1/A10

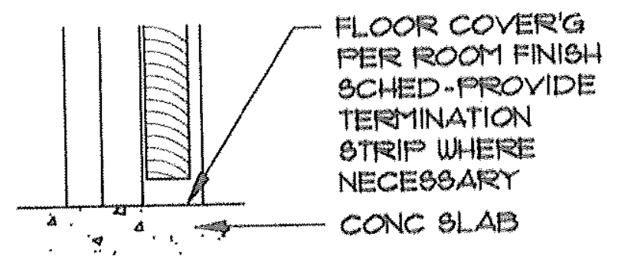
1 1/2" = 1' 5038


HM FRAME
ADA MTL THRESHOLD SET IN FULL BED OF MASTIC-ATTACH PER RECOM.
1/4" PREMOLDED EXP. JOINT FILL
4" SLAB TURNDOWN WHERE REQUIRED

SILL

4/A10

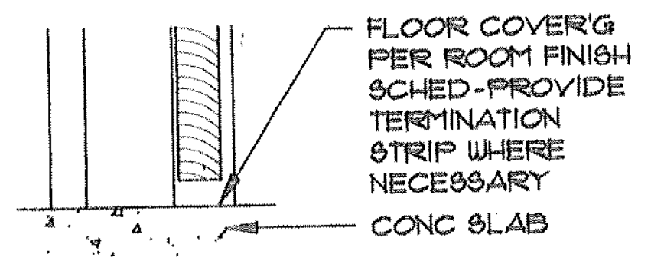
1 1/2" = 1' 5036


FLOOR COVER'G PER ROOM FINISH SCHED-PROVIDE TERMINATION STRIP WHERE NECESSARY
CONC SLAB

SILL

3/A10

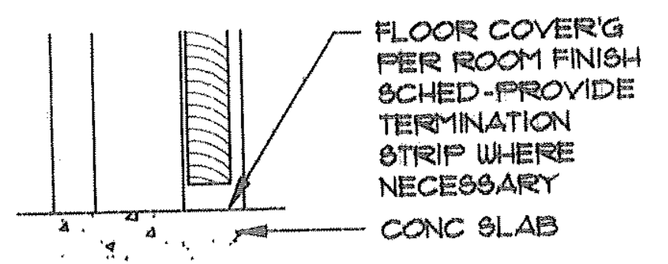
1 1/2" = 1' 5000-32


FLOOR COVER'G PER ROOM FINISH SCHED-PROVIDE TERMINATION STRIP WHERE NECESSARY
CONC SLAB

SILL

2/A10

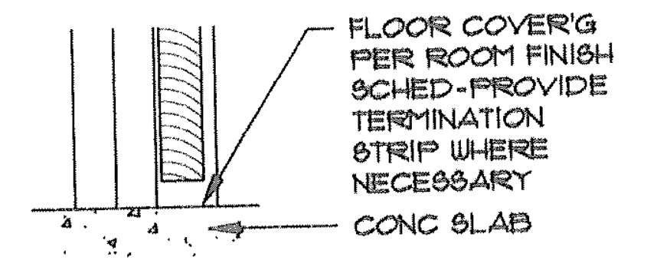
1 1/2" = 1' 5034-32


FLOOR COVER'G PER ROOM FINISH SCHED-PROVIDE TERMINATION STRIP WHERE NECESSARY
CONC SLAB

SILL

7/A10

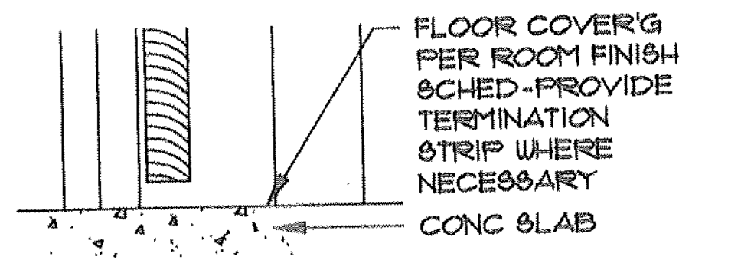
1 1/2" = 1' 5033-32


FLOOR COVER'G PER ROOM FINISH SCHED-PROVIDE TERMINATION STRIP WHERE NECESSARY
CONC SLAB

SILL

6/A10

1 1/2" = 1' 5032-32


FLOOR COVER'G PER ROOM FINISH SCHED-PROVIDE TERMINATION STRIP WHERE NECESSARY
CONC SLAB

SILL

5/A10

1 1/2" = 1' 5037

NOTE: * 1. RATED WALLS @ DOOR # 114, 116, 123, 129, 207, 213, & 218.
2. PROVIDE RATED FRAMES & 5/8" TYPE 'X' GYPSUM BOARD BOTH SIDES OF WOOD STUD.

NOTE: * 1. RATED WALLS @ DOOR # 114, 116, 123, 129, 207, 213, & 218.
2. PROVIDE RATED FRAMES & 5/8" TYPE 'X' GYPSUM BOARD BOTH SIDES OF WOOD STUD.

NOTES

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER, JR
7-15-97

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DAA
Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
DOOR SCHEDULE, DOOR TYPES, FRAME TYPES,
FINISH SCHEDULE, PRECAST SUROUND TYPES,
WINDOW TYPES

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 16, 1997

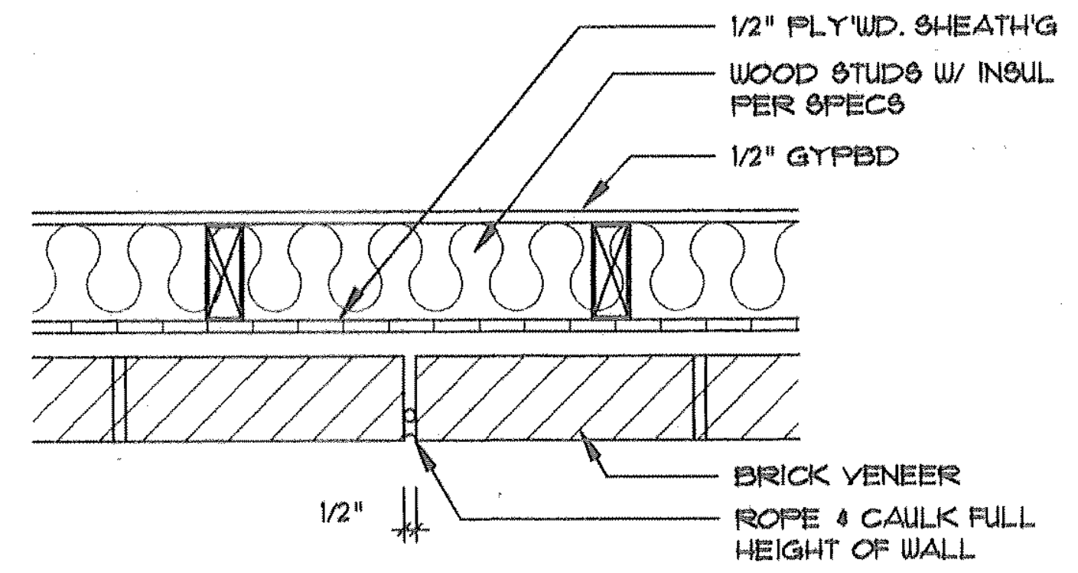
DATE
SEP. 15, 1997

DRAWN BY
RPA

CHECKED BY
EHB

SHEET NO.
A-10
OF 14

FOR CONSTRUCTION

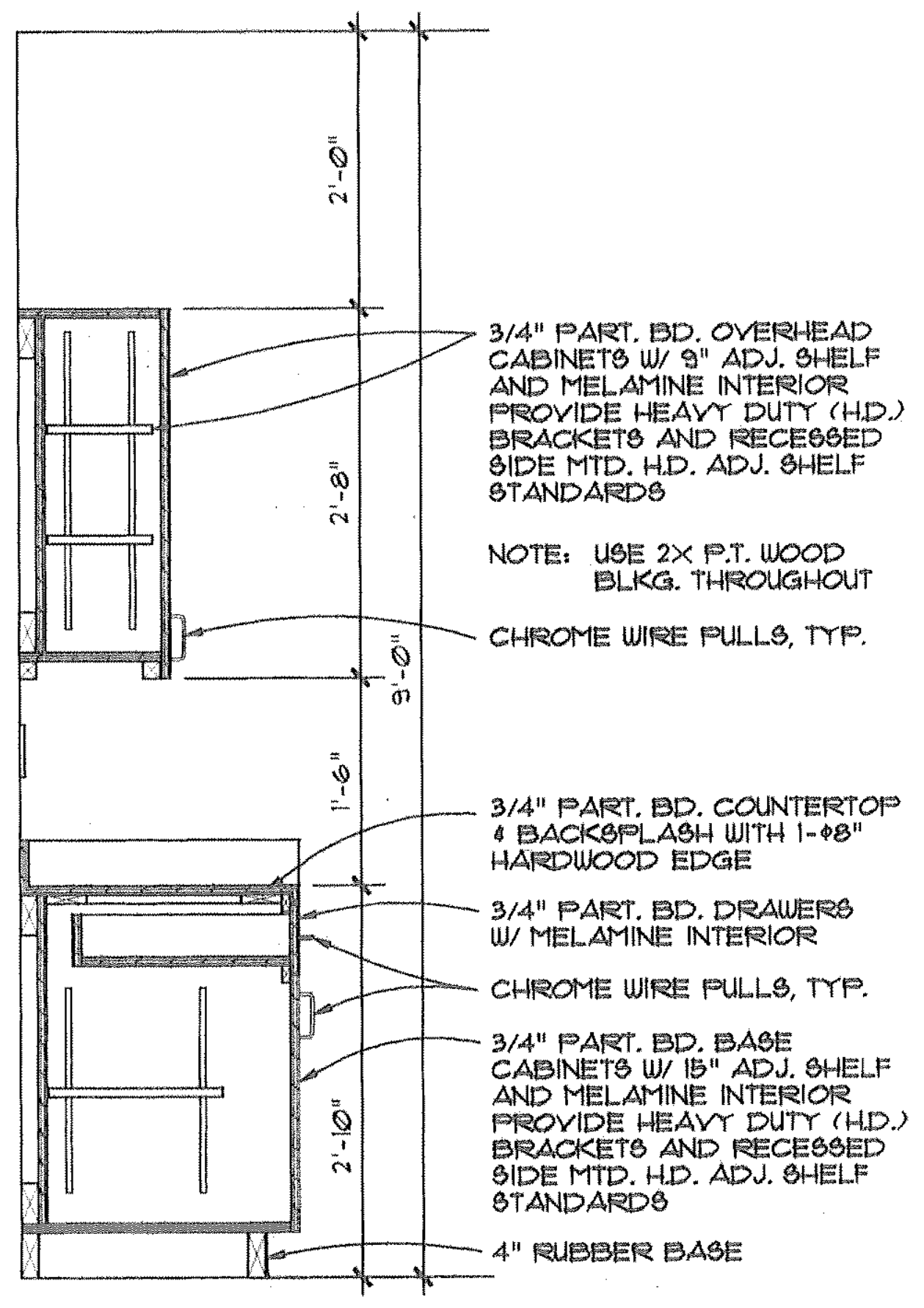

1/2" PLY'WD. SHEATH'G
WOOD STUDS W/ INSUL. PER SPECS
1/2" GYPBD
BRICK VENEER
ROPE & CAULK FULL HEIGHT OF WALL
1/2"

C.J. BRICK

1/A11

1 1/2" = 1'–0"

2050

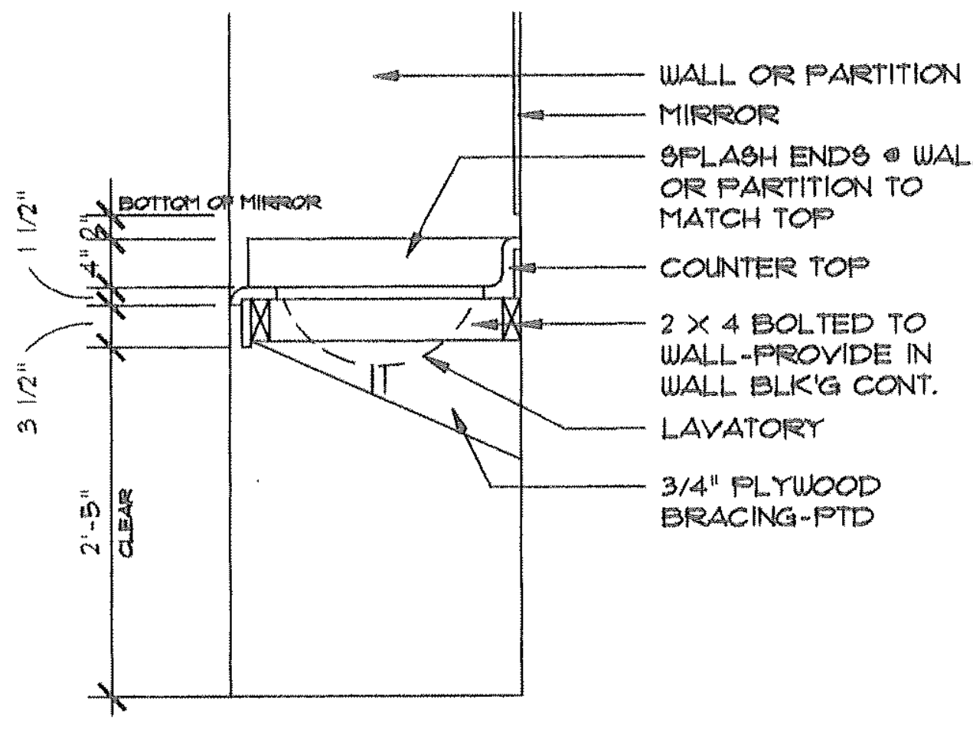

2'-0"
2'-8"
9'-0"
1'-6"
2'-10"
3/4" PART. BD. OVERHEAD CABINETS W/ 9" ADJ. SHELF AND MELAMINE INTERIOR PROVIDE HEAVY DUTY (H.D.) BRACKETS AND RECESSED SIDE MTD. H.D. ADJ. SHELF STANDARDS
NOTE: USE 2X P.T. WOOD BLKG. THROUGHOUT
CHROME WIRE PULLS, TYP.
3/4" PART. BD. COUNTERTOP & BACKSPLASH WITH 1-08" HARDWOOD EDGE
3/4" PART. BD. DRAWERS W/ MELAMINE INTERIOR
CHROME WIRE PULLS, TYP.
3/4" PART. BD. BASE CABINETS W/ 15" ADJ. SHELF AND MELAMINE INTERIOR PROVIDE HEAVY DUTY (H.D.) BRACKETS AND RECESSED SIDE MTD. H.D. ADJ. SHELF STANDARDS
4" RUBBER BASE

CABINET SECTION

2

3/4" = 1'

7440

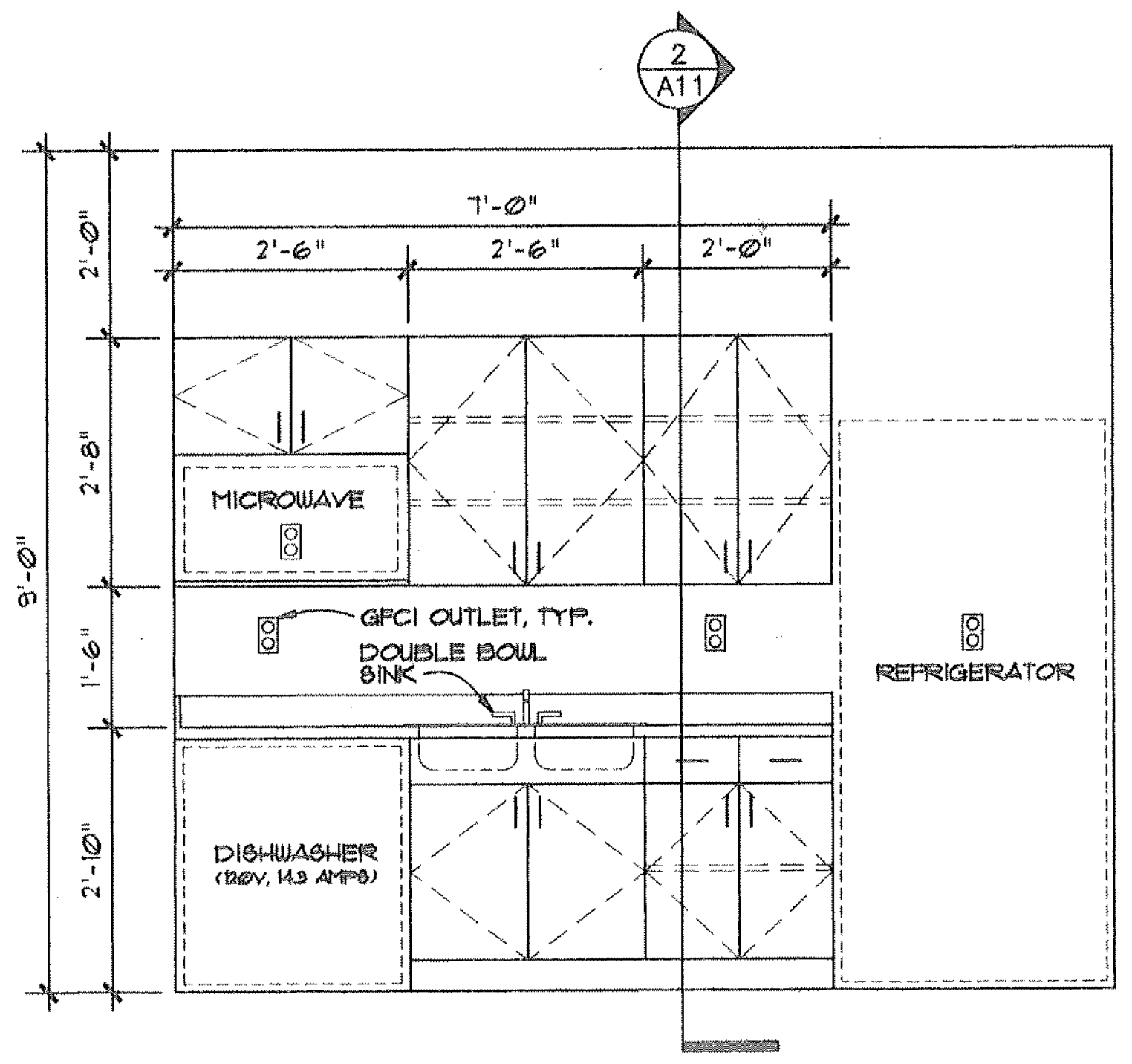

WALL OR PARTITION
MIRROR
SPLASH ENDS @ WALL OR PARTITION TO MATCH TOP
COUNTER TOP
2 X 4 BOLTED TO WALL-PROVIDE IN WALL BLK'G CONT.
LAVATORY
3/4" PLYWOOD BRACING-PTD
BOTTOM OF MIRROR
1 1/2"
4"
3 1/2"
2'-5" CLEAR

COUNTER DETAIL

4/A11

3/4" = 1'

7402

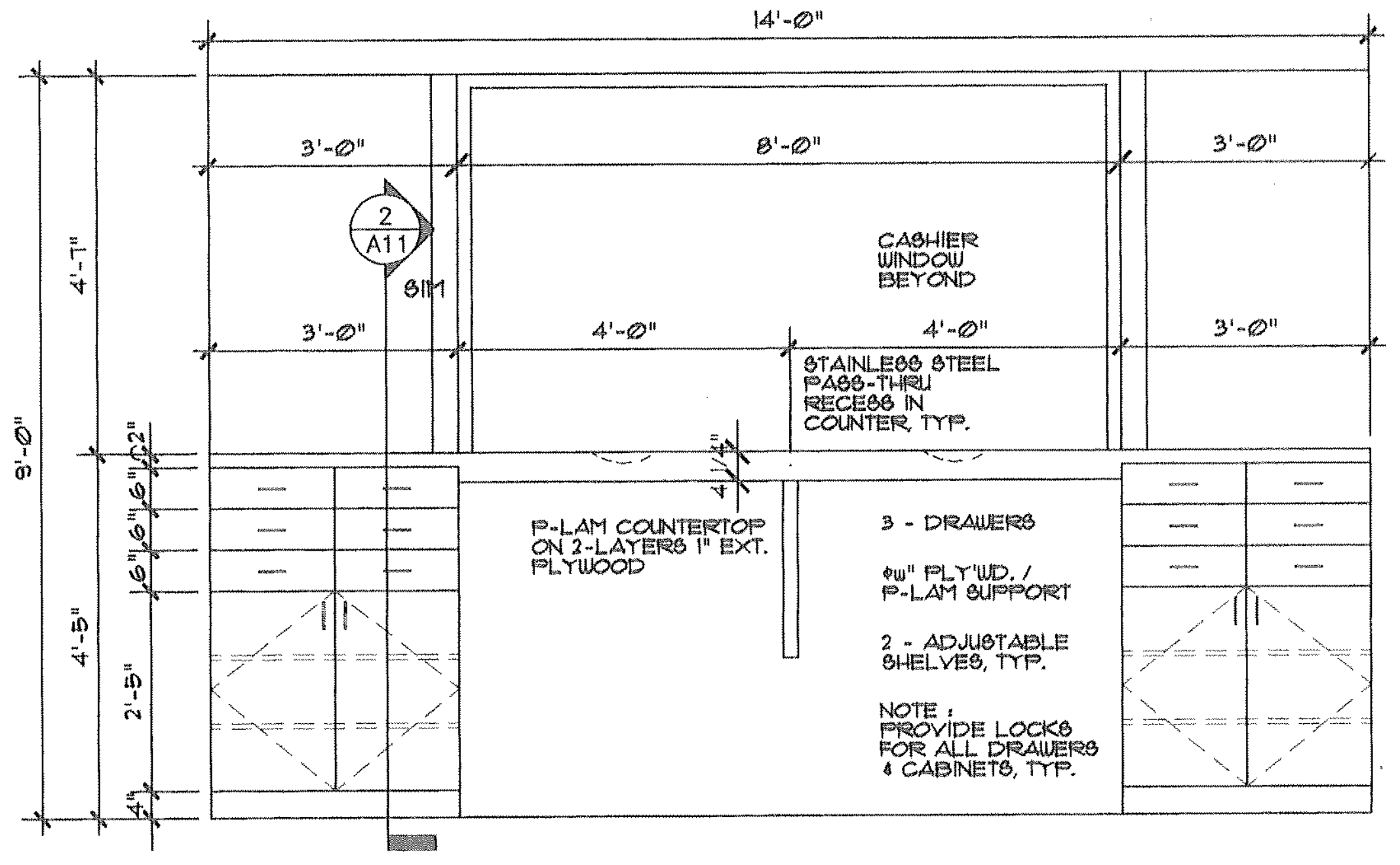

2/A11
7'-0"
2'-6"
2'-6"
2'-0"
9'-0"
2'-0"
2'-8"
1'-6"
2'-10"
MICROWAVE
GFCI OUTLET, TYP.
DOUBLE BOWL SINK
REFRIGERATOR
DISHWASHER (120V, 14.9 AMPS)

BREAK ROOM ELEVATION

A

1/2" = 1'

7439

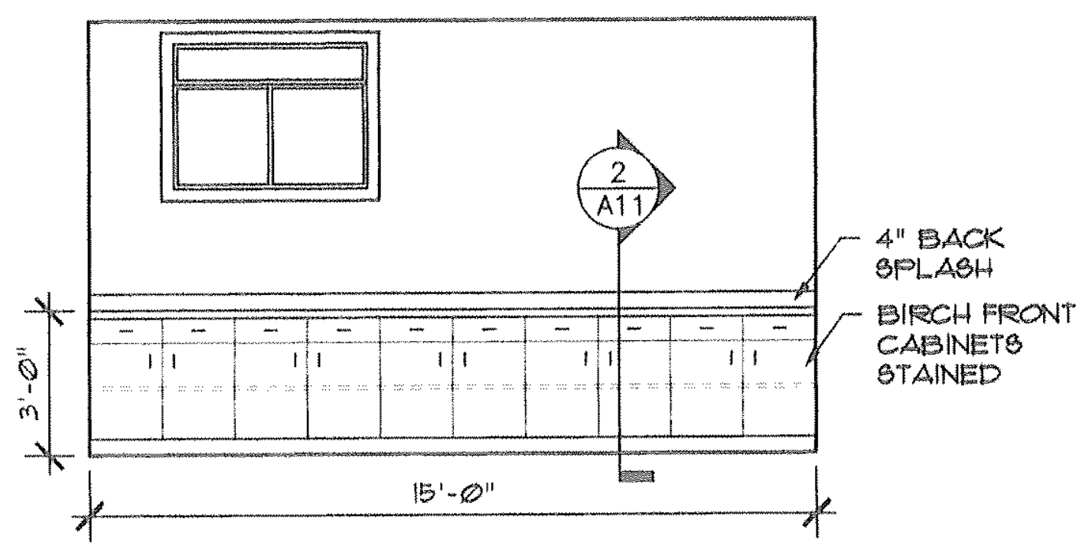

14'-0"
3'-0"
8'-0"
3'-0"
2/A11
SIM
CASHIER WINDOW BEYOND
3'-0"
4'-0"
4'-0"
3'-0"
STAINLESS STEEL PASS-THRU RECESS IN COUNTER, TYP.
P-LAM COUNTERTOP ON 2-LAYERS 1" EXT. PLYWOOD
3 - DRAWERS
¾" PLY'WD. / P-LAM SUPPORT
2 - ADJUSTABLE SHELVES, TYP.
NOTE : PROVIDE LOCKS FOR ALL DRAWERS & CABINETS, TYP.
9'-0"
4'-7"
4'-5"
2'-5"
4"
6"
6"
6"
2"
4 1/4"

COUNTER DETAIL

C

1/2" = 1'

7438

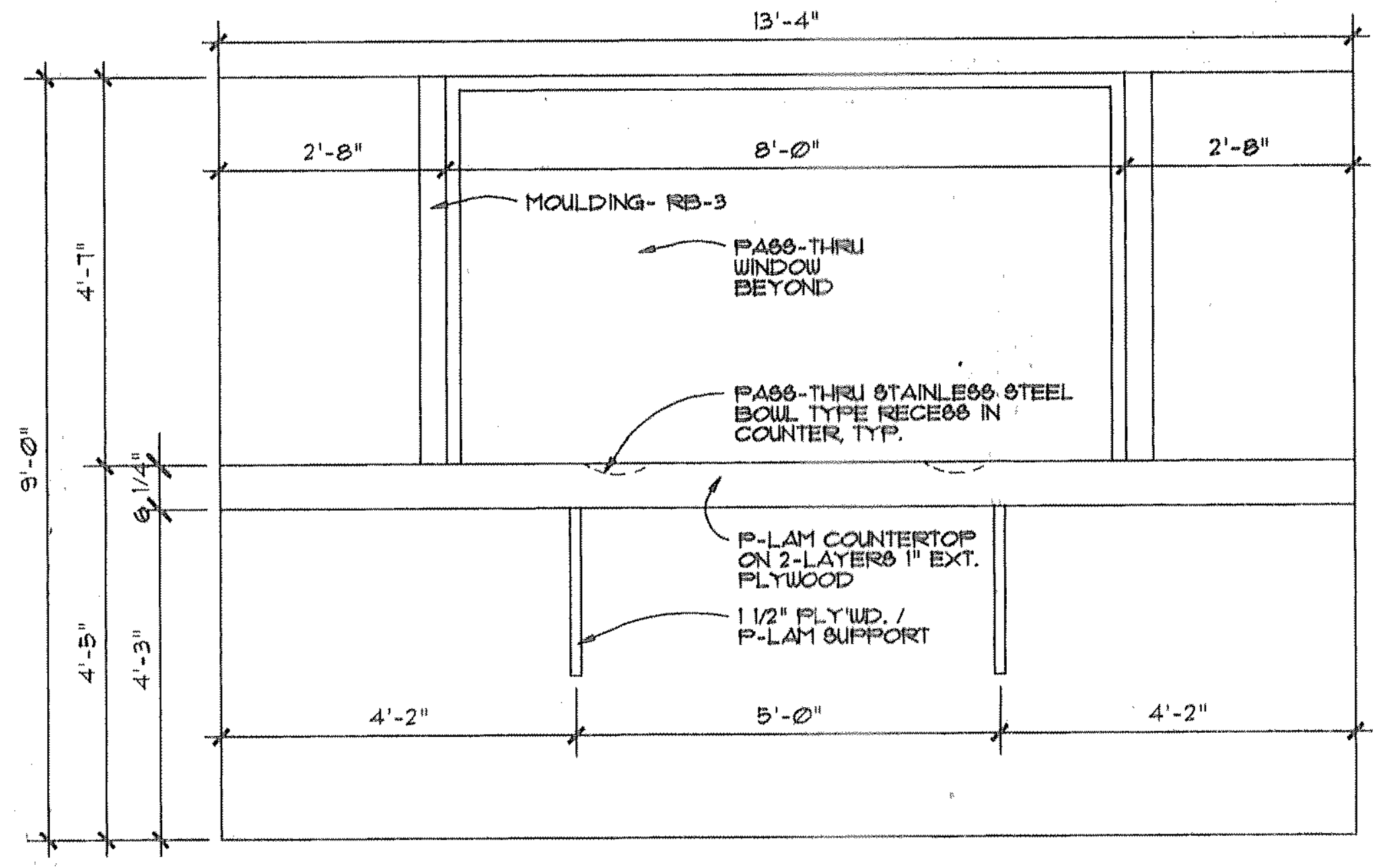

2/A11
4" BACK SPLASH
BIRCH FRONT CABINETS STAINED
3'-0"
15'-0"

BOARD ROOM ELEVATION

5

1/4" = 1'

7441

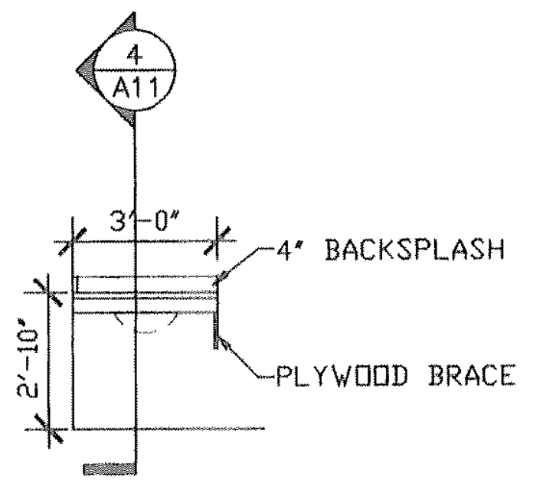

13'-4"
2'-8"
8'-0"
2'-8"
MOULDING- RB-3
PASS-THRU WINDOW BEYOND
PASS-THRU STAINLESS STEEL BOWL TYPE RECESS IN COUNTER, TYP.
P-LAM COUNTERTOP ON 2-LAYERS 1" EXT. PLYWOOD
1 1/2" PLY'WD. / P-LAM SUPPORT
4'-2"
5'-0"
4'-2"
9'-0"
4'-7"
4'-5"
4'-3"
6 1/4"

COUNTER DETAIL

B

1/2" = 1'

7437


4/A11
3'-0"
4" BACKSPLASH
PLYWOOD BRACE
2'-10"

ELEVATION

D/A11

1/4" = 1'

7418

ROOM FINISH SCHEDULE

NO.	ROOM	FLOOR					BASE				WALL				CLG.			HGT.	REMARKS
		12x12 TILE	CARPET	CONCRETE	VINYL	CERAMIC TILE	4x12 BASE TILE	4" VINYL	CERAMIC TILE	NONE	GYP. BD. PTD.	GYP.BD. UNPTD.	TILE TO 48" AFF	VINYL WALLCOVER	2x2 ACT	GYP. BD. PTD.	NONE		
100	CUSTOMER LOBBY	●					☒							☒	●			9'-0"	NOTE #3
101	CASHIER		●					☒			☒				●			9'-0"	-
102	DRIVE-UP TELLER		●					☒			☒				●			9'-0"	-
103	OPEN OFFICE		●					☒			☒				●			9'-0"	-
104	VAULT		●					☒			☒				●			9'-0"	-
105	OFFICE		●					☒			☒				●			9'-0"	-
106	MECH. / ELEC. ROOM			●						☒		☒				●		12'-0"	SEALED CONCRETE FLOOR, SEE NOTE NO. 1
107	OFFICE		●					☒			☒				●			9'-0"	-
108	BREAK ROOM				●			☒			☒				●			9'-0"	-
109	WORK ROOM		●					☒			☒				●			9'-0"	-
110	PRINTER ROOM		●					☒			☒				●			9'-0"	-
111	OFFICE		●					☒			☒				●			9'-0"	-
112	OFFICE		●					☒			☒				●			9'-0"	-
113	VISITOR LOBBY	●					☒				☒				●			9'-0"	-
114	WOMEN'S RESTROOM					●			☒		☒		☒		●			9'-0"	C.T. WAINSCOT 4' AFF @ ALL WALLS, NOTE NO 7
115	MEN'S RESTROOM					●			☒		☒		☒		●			9'-0"	C.T. WAINSCOT 4' AFF @ ALL WALLS, NOTE NO 7
116	TELEPHONE ROOM			●						☒		☒				●		12'-0"	NOTE NO. 1
117	JANITOR'S CLOSET				●			☒			☒					●		8'-0"	NOTE NO. 2
118	ELEVATOR EQUIP.			●						☒	☒					●		12'-0"	SEALED CONCRETE FLOOR
119	CLOSET		●					☒			☒				●			8'-0"	-
120	CLOSET		●					☒			☒				●			8'-0"	-
121	CORRIDOR		●					☒			☒				●			8'-6"	-
122	CORRIDOR		●					☒			☒				●			8'-6"	-
123	CORRIDOR		●					☒			☒				●			8'-6"	-
124	CORRIDOR		●					☒			☒				●			8'-6"	-
125	WAITING	●					☒				☒				●			8'-6"	-
126	CORRIDOR		●					☒			☒				●			8'-6"	-
127	STAIR (South)				●			☒			☒					●			PROVIDE VINYL STAIR TREDS, NOTE NO 1
128	STAIR (North)				●			☒			☒					●			PROVIDE VINYL STAIR TREDS, NOTE NO 1
129	ELEVATOR			●						☒									NOTE NO. 1
130	CUSTOMER REST RM.	●					☒				☒				●			9'-0"	-
131	CORRIDOR	●					☒				☒				●			8'-6"	-
200	BOARD ROOM		●					☒						☒	●			9'-0"	NOTE NO. 3
201	OFFICE		●					☒						☒	●			9'-0"	NOTE NO. 3
202	OFFICE		●					☒						☒	●			9'-0"	NOTE NO. 3
203	STORAGE		●					☒			☒				●			8'-0"	-
204	WAITING AREA	●					☒				☒				●			9'-0"	-
205	CLOSET		●					☒			☒				●			8'-0"	-
206	CORRIDOR *		●					☒			☒				●			8'-6"	-
207	COPY / FAX		●					☒			☒				●			9'-0"	-
208	OFFICE		●					☒			☒				●			9'-0"	-
209	OFFICE		●					☒			☒				●			9'-0"	-
210	ENGINEERING OFFICE		●					☒			☒				●			9'-0"	-
211	OFFICE		●					☒			☒				●			9'-0"	-
212	OFFICE		●					☒			☒				●			9-0"	-
213	CLOSET		●					☒			☒				●			8'-0"	-
214	CLOSET		●					☒			☒				●			8'-0"	-
215	CORRIDOR		●					☒			☒				●			8'-6"	-
216	CORRIDOR		●					☒			☒				●			8'-6"	-
217	CORRIDOR		●					☒			☒				●			8'-6"	-
218	JANITOR'S CLOSET				●			☒			☒					●		8'-0"	NOTE NO. 2
219	MECHANICAL RM.				●					☒		☒						12'-0"	NOTE NO. 1
220	WOMENS RESTROOM					●			☒		☒		☒		●			9'-0"	NOTE NO. 7
221	MENS RESTROOM					●			☒		☒		☒		●			9'-0"	NOTE NO. 7
222	STAIR				●			☒			☒					●		12'-0"	NOTE NO. 1, PROVIDE VINYL TREDS
223	STAIR				●			☒			☒					●		12'-0"	NOTE NO. 1, PROVIDE VINYL TREDS
224	ELEVATOR									☒		☒			●				CEILING GYP BD TAPE & MUD - NOTE NO. 1 & 4

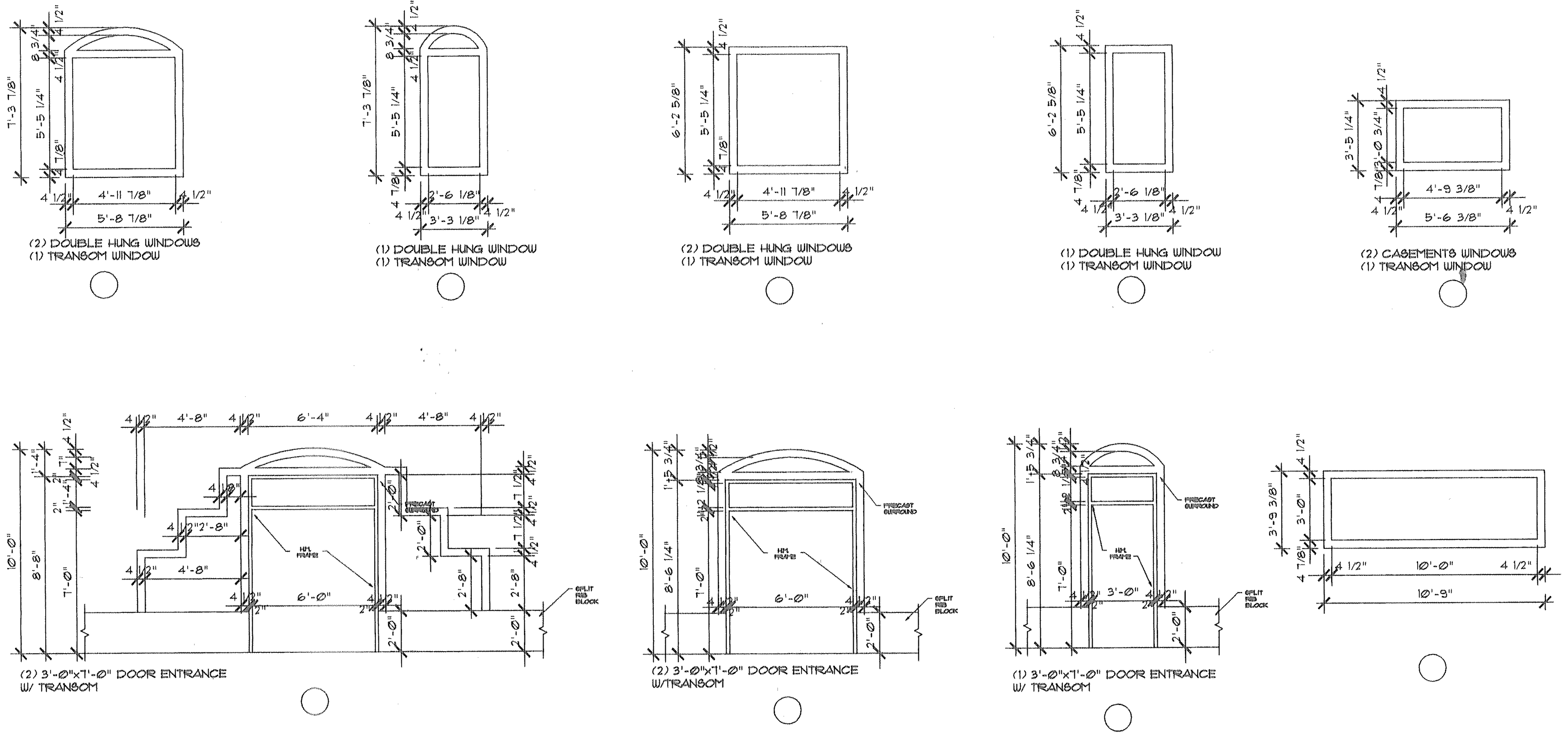
☒ NORTH WALL ONLY

NORTH

☒ ALL WALLS

NOTES:

1. PROVIDE (2) LAYERS OF 5/8" TYPE 'X' TO UNDERSIDE OF ROOF TRUSS.
2. PROVIDE RC-1 BRACKETS SUSPENSION SYSTEM FOR 8'-0" CEILING AS REQ'D.
3. PROVIDE CHAIR RAIL @ 33" AFF W/VINYL WALL COVERING ABOVE AND BELOW CHAIR RAIL, RB-25.
4. CARPET IN ELEVATOR IS TO MATCH CARPET IN ADJACENT CORRIDOR.
5. RB DENOTES RANDALL BROTHERS- ATLANTA, GEORGIA.
6. ALTERNATE BID FOR WOOD BASE (PTD) INCLUDES: 4"-RB620 & 6"-RB618.
7. PROVIDE 1/2" WR BOARD @ ALL RESTROOM LOCATIONS.


7'-3 7/8"
5'-5 1/4"
8 3/4"
4 1/2"
4'-11 7/8"
5'-8 7/8"
(2) DOUBLE HUNG WINDOWS
(1) TRANSOM WINDOW
7'-3 7/8"
5'-5 1/4"
2'-6 1/8"
3'-3 1/8"
(1) DOUBLE HUNG WINDOW
(1) TRANSOM WINDOW
6'-2 5/8"
5'-5 1/4"
4'-11 7/8"
5'-8 7/8"
(2) DOUBLE HUNG WINDOWS
(1) TRANSOM WINDOW
6'-2 5/8"
5'-5 1/4"
2'-6 1/8"
3'-3 1/8"
(1) DOUBLE HUNG WINDOW
(1) TRANSOM WINDOW
3'-5 1/4"
3'-0 3/4"
4'-9 3/8"
5'-6 3/8"
(2) CASEMENTS WINDOWS
(1) TRANSOM WINDOW
4'-8"
6'-4"
4'-8"
2'-8"
6'-0"
10'-0"
8'-8"
7'-0"
2'-0"
PRECAST SURROUND
HM FRAME
SPLIT RIB BLOCK
(2) 3'-0"x7'-0" DOOR ENTRANCE W/ TRANSOM
10'-0"
8'-6 1/4"
1'-5 3/4"
6'-0"
(2) 3'-0"x7'-0" DOOR ENTRANCE W/TRANSOM
3'-0"
(1) 3'-0"x7'-0" DOOR ENTRANCE W/ TRANSOM
3'-9 3/8"
3'-0"
10'-0"
10'-9"

PRECAST SURROUND TYPES

1/4" = 1'

NOTES

REVISIONS

SEAL

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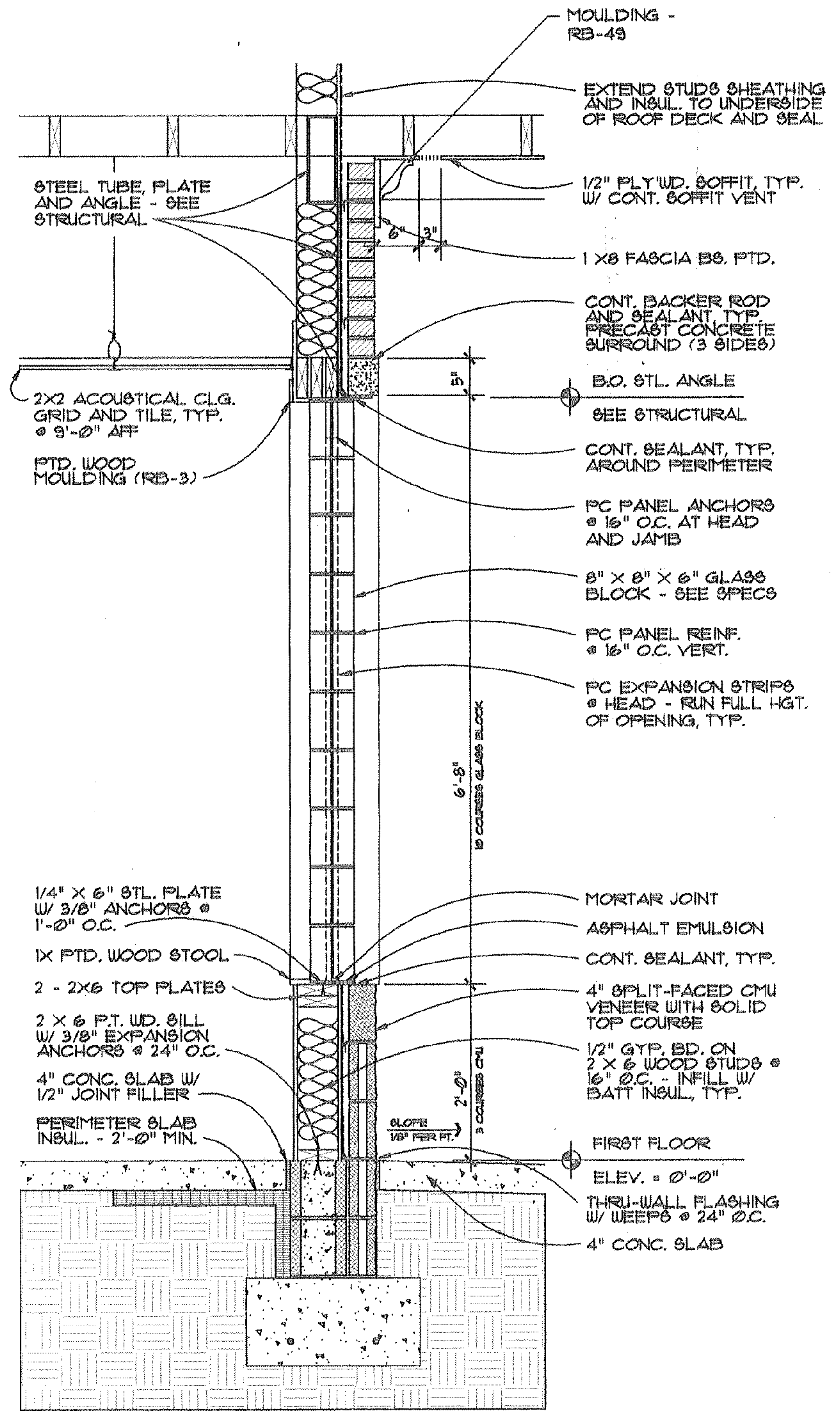
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
ROOM FINSH SCHEDULE, PRECAST SURROUNDS, INTERIOR ELEVATIONS

PROJECT NO. 9708
CAD FILE NO. NCWA
PLOT DATE SEP. 16, 1997
DATE SEP. 15, 1997
DRAWN BY RPA
CHECKED BY EHB
SHEET NO. A-11
OF 14

FOR CONSTRUCTION

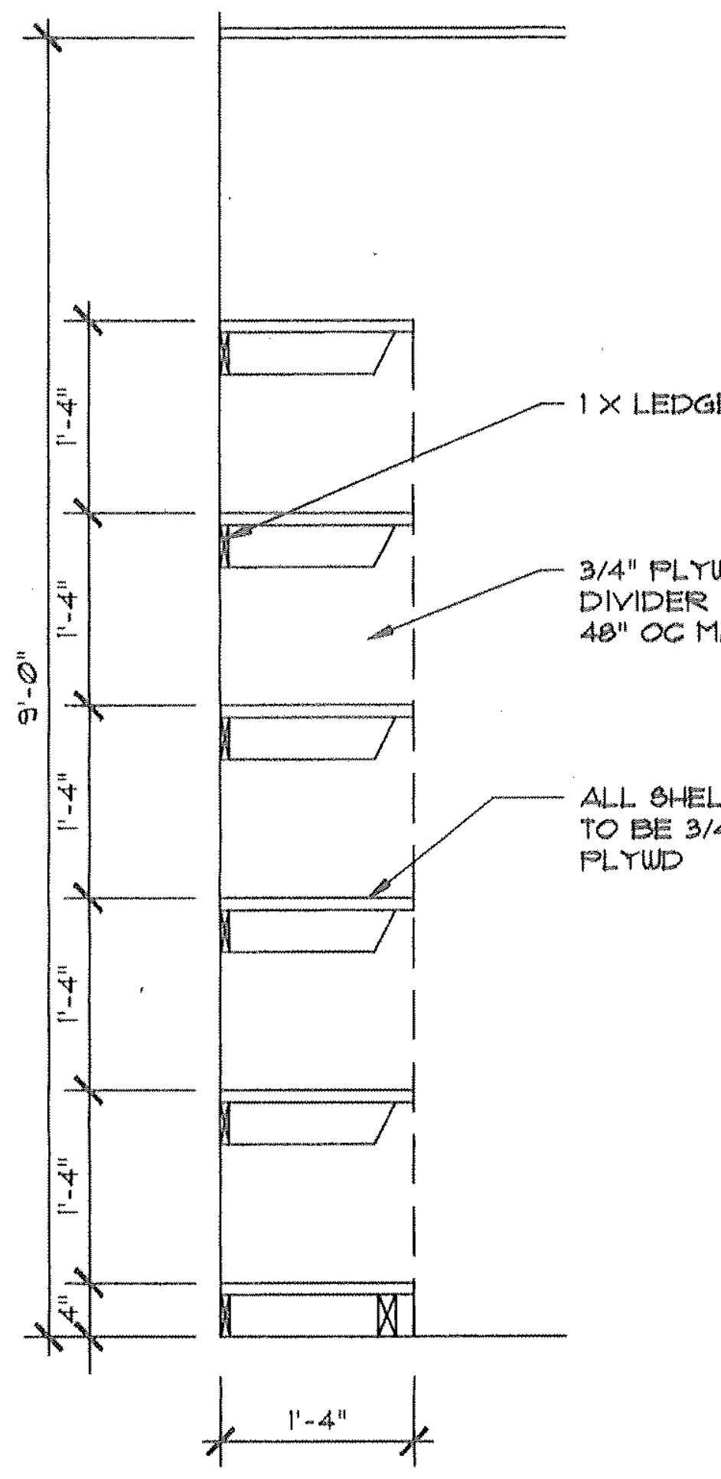

MOULDING - RB-49
EXTEND STUDS SHEATHING AND INSUL. TO UNDERSIDE OF ROOF DECK AND SEAL
STEEL TUBE, PLATE AND ANGLE - SEE STRUCTURAL
1/2" PLY'WD. SOFFIT, TYP. W/ CONT. SOFFIT VENT
6"
3"
1 X8 FASCIA BS. PTD.
CONT. BACKER ROD AND SEALANT, TYP. PRECAST CONCRETE SURROUND (3 SIDES)
5"
B.O. STL. ANGLE
SEE STRUCTURAL
2X2 ACOUSTICAL CLG. GRID AND TILE, TYP. @ 9'-0" AFF
PTD. WOOD MOULDING (RB-3)
CONT. SEALANT, TYP. AROUND PERIMETER
PC PANEL ANCHORS @ 16" O.C. AT HEAD AND JAMB
8" X 8" X 6" GLASS BLOCK - SEE SPECS
PC PANEL REINF. @ 16" O.C. VERT.
PC EXPANSION STRIPS @ HEAD - RUN FULL HGT. OF OPENING, TYP.
6'-8"
10 COURSES GLASS BLOCK
1/4" X 6" STL. PLATE W/ 3/8" ANCHORS @ 1'-0" O.C.
1X PTD. WOOD STOOL
2 - 2X6 TOP PLATES
2 X 6 P.T. WD. SILL W/ 3/8" EXPANSION ANCHORS @ 24" O.C.
4" CONC. SLAB W/ 1/2" JOINT FILLER
PERIMETER SLAB INSUL. - 2'-0" MIN.
MORTAR JOINT
ASPHALT EMULSION
CONT. SEALANT, TYP.
4" SPLIT-FACED CMU VENEER WITH SOLID TOP COURSE
1/2" GYP. BD. ON 2 X 6 WOOD STUDS @ 16" O.C. - INFILL W/ BATT INSUL., TYP.
2'-0"
3 COURSES CMU
SLOPE 1/8" PER FT.
FIRST FLOOR
ELEV. = 0'-0"
THRU-WALL FLASHING W/ WEEPS @ 24" O.C.
4" CONC. SLAB

SECTION AT GLASS BLOCK

1

3/4" = 1'

1064

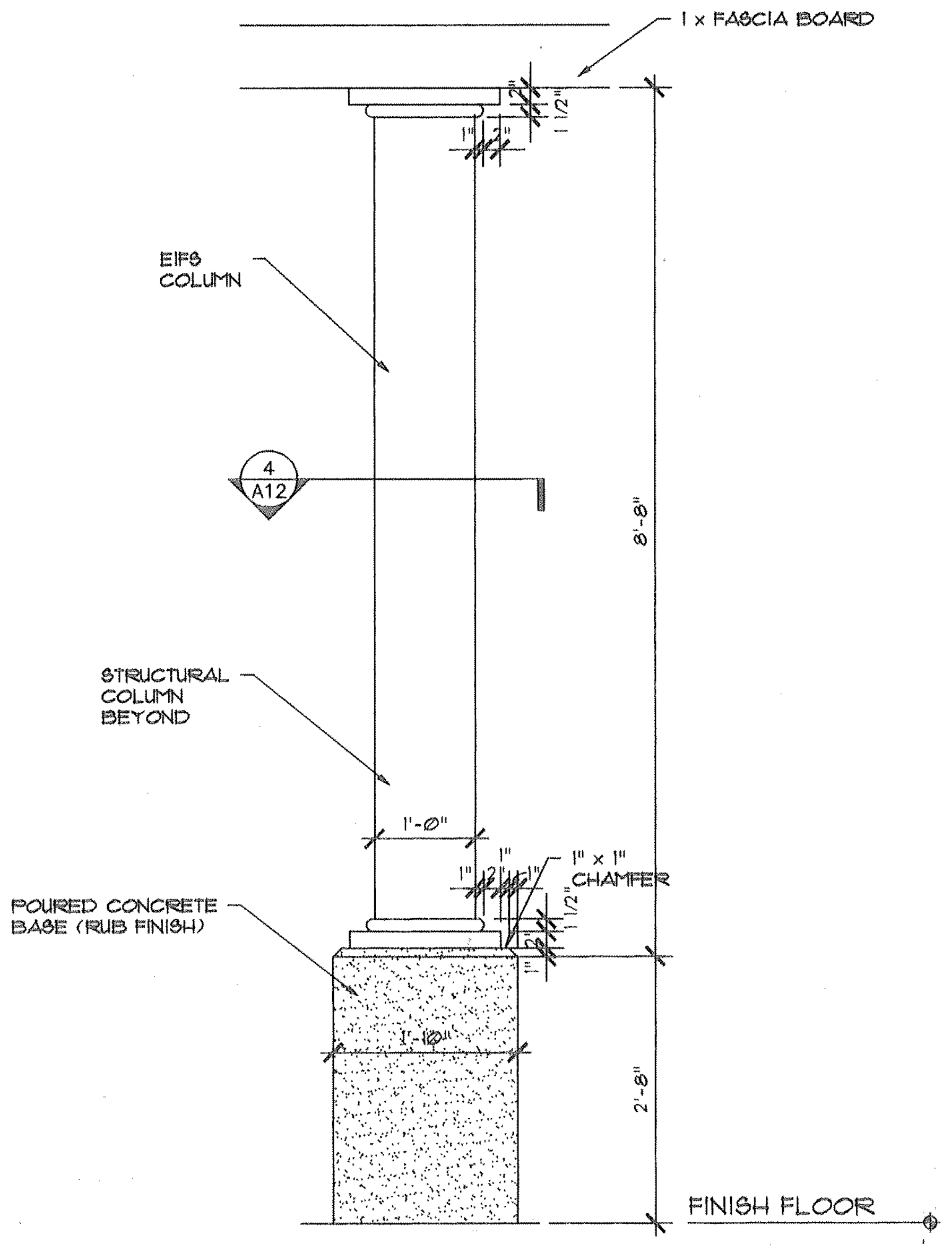

1 X LEDGER
3/4" PLYWD DIVIDER 48" OC MAX
ALL SHELVING TO BE 3/4" PLYWD
9'-0"
1'-4"
1'-4"
1'-4"
1'-4"
1'-4"
4"
1'-4"

SHELVING DETAIL

5
A12

3/4" = 1'

7412

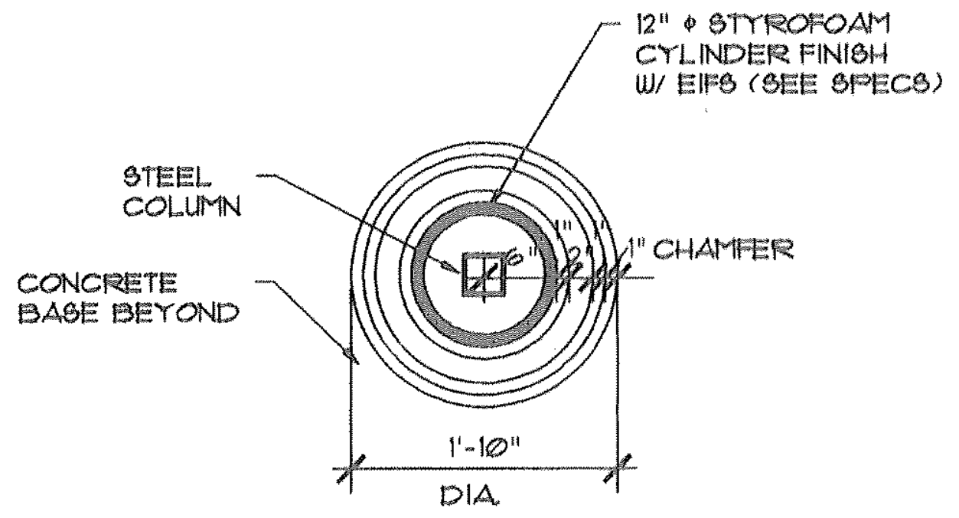

1 x FASCIA BOARD
2"
1 1/2"
1"
2"
EIFS COLUMN
4
A12
8'-8"
STRUCTURAL COLUMN BEYOND
1'-0"
1" x 1" CHAMFER
1"
2"
1 1/2"
POURED CONCRETE BASE (RUB FINISH)
1'-10"
2'-8"
FINISH FLOOR

SECTION/ELEVATION

3

3/4" = 1'

7511

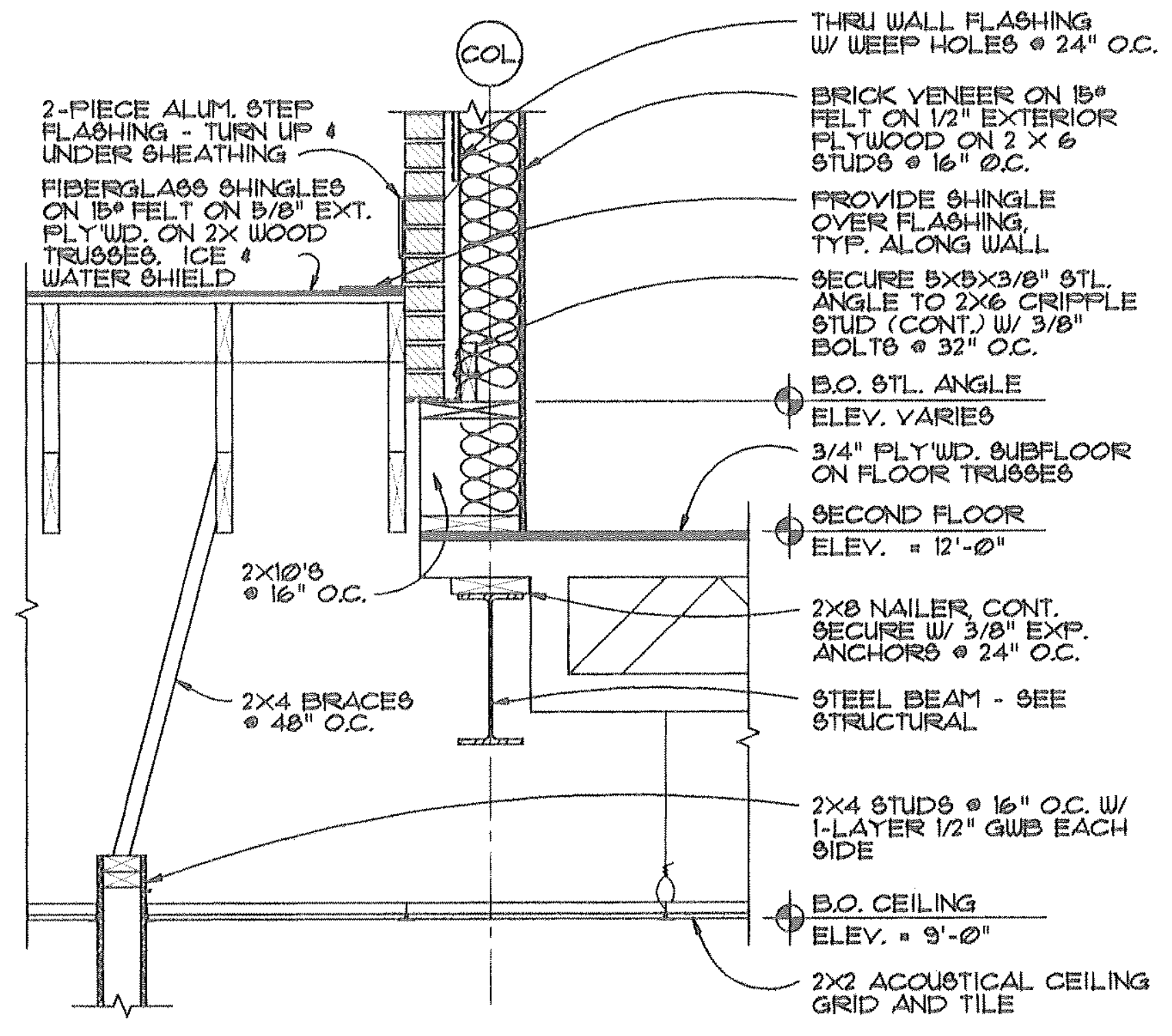

12" ⌀ STYROFOAM CYLINDER FINISH W/ EIFS (SEE SPECS)
STEEL COLUMN
CONCRETE BASE BEYOND
6"
1"
2"
1" CHAMFER
1'-10"
DIA.

DETAIL

4

3/4" = 1'

7512

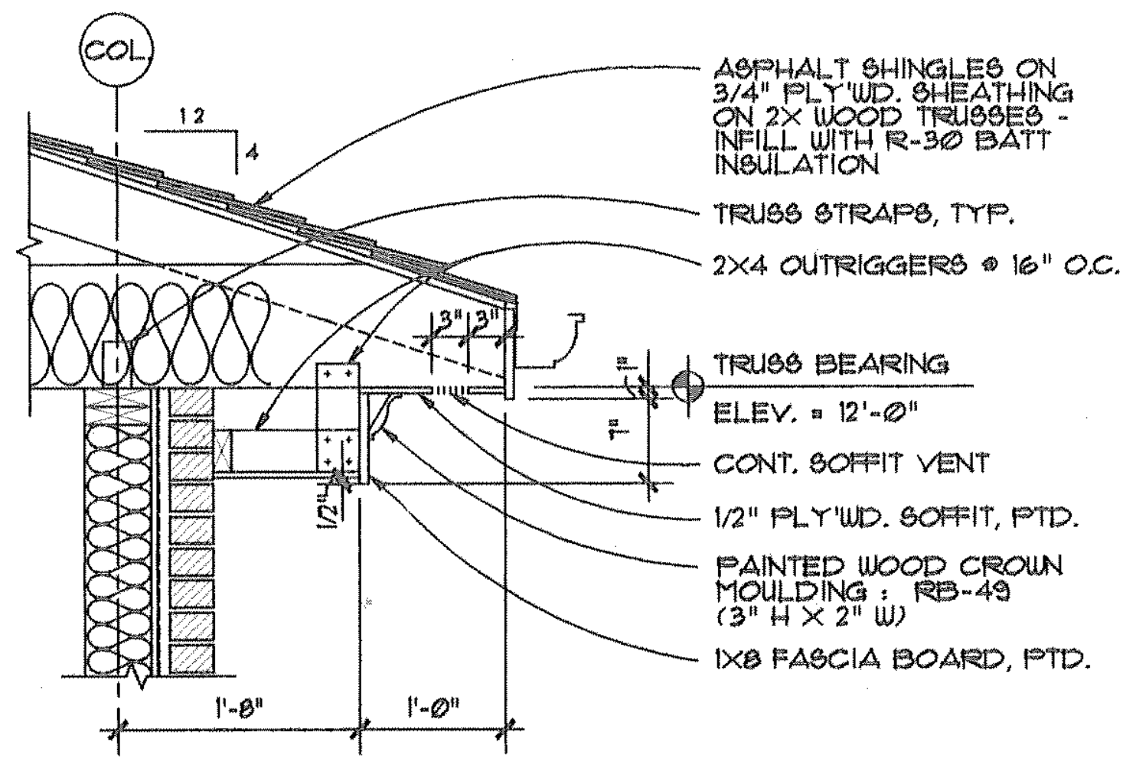

COL.
THRU WALL FLASHING W/ WEEP HOLES @ 24" O.C.
BRICK VENEER ON 15# FELT ON 1/2" EXTERIOR PLYWOOD ON 2 X 6 STUDS @ 16" O.C.
2-PIECE ALUM. STEP FLASHING - TURN UP & UNDER SHEATHING
FIBERGLASS SHINGLES ON 15# FELT ON 5/8" EXT. PLY'WD. ON 2X WOOD TRUSSES. ICE & WATER SHIELD
PROVIDE SHINGLE OVER FLASHING, TYP. ALONG WALL
SECURE 5X5X3/8" STL. ANGLE TO 2X6 CRIPPLE STUD (CONT.) W/ 3/8" BOLTS @ 32" O.C.
B.O. STL. ANGLE
ELEV. VARIES
3/4" PLY'WD. SUBFLOOR ON FLOOR TRUSSES
SECOND FLOOR
ELEV. = 12'-0"
2X10'S @ 16" O.C.
2X8 NAILER, CONT. SECURE W/ 3/8" EXP. ANCHORS @ 24" O.C.
2X4 BRACES @ 48" O.C.
STEEL BEAM - SEE STRUCTURAL
2X4 STUDS @ 16" O.C. W/ 1-LAYER 1/2" GWB EACH SIDE
B.O. CEILING
ELEV. = 9'-0"
2X2 ACOUSTICAL CEILING GRID AND TILE

WALL SECTION

2

3/4" = 1'

2051

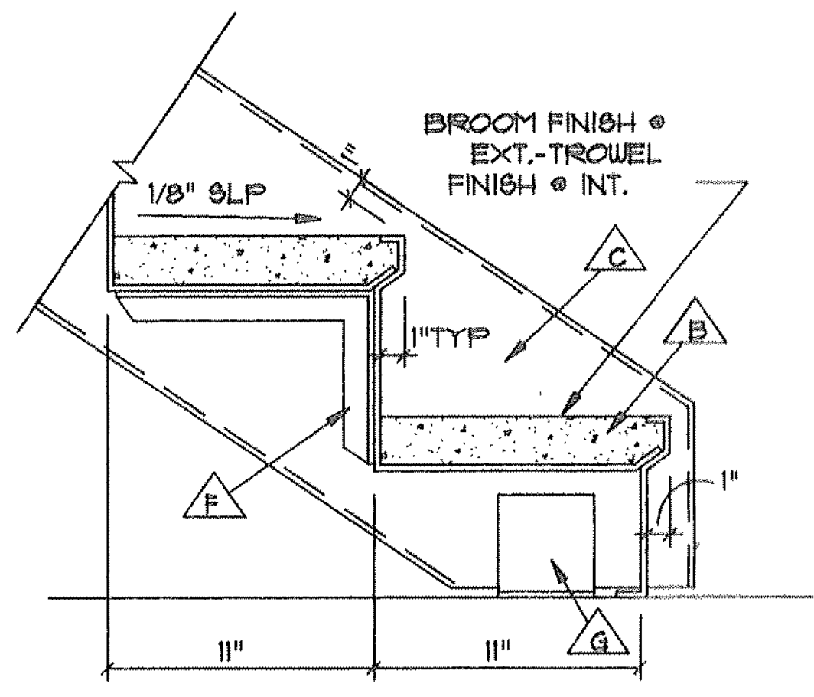

COL.
12
4
ASPHALT SHINGLES ON 3/4" PLY'WD. SHEATHING ON 2X WOOD TRUSSES - INFILL WITH R-30 BATT INSULATION
TRUSS STRAPS, TYP.
2X4 OUTRIGGERS @ 16" O.C.
3"
3"
TRUSS BEARING
ELEV. = 12'-0"
7"
CONT. SOFFIT VENT
1/2"
1/2" PLY'WD. SOFFIT, PTD.
PAINTED WOOD CROWN MOULDING : RB-49 (3" H X 2" W)
1X8 FASCIA BOARD, PTD.
1'-8"
1'-0"

SECTION AT EAVE

6

3/4" = 1'

4057

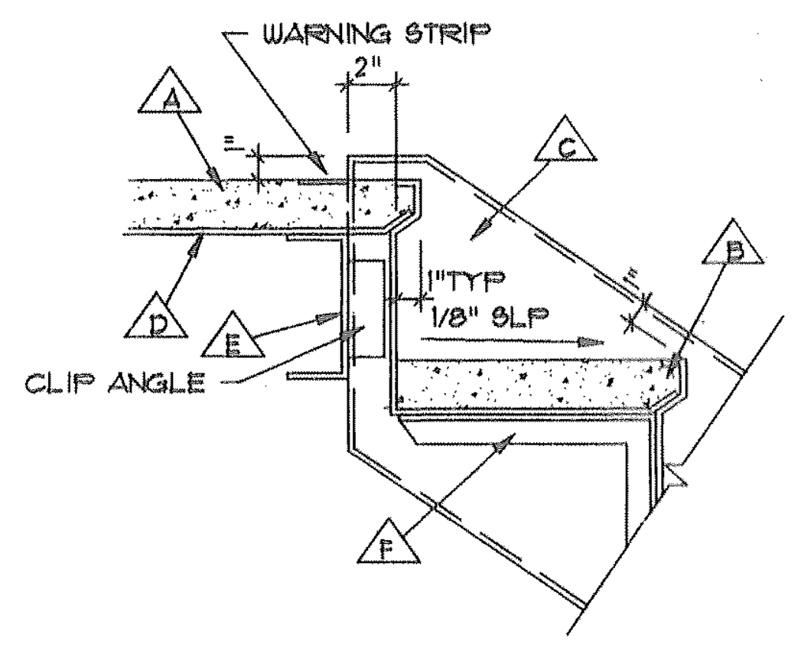

BROOM FINISH @ EXT.-TROWEL FINISH @ INT.
1/8" SLP
C
B
1"TYP
F
1"
G
11"
11"

STAIR @ LWR FLOOR

7
A12

1 1/2" = 1'-0'

1000

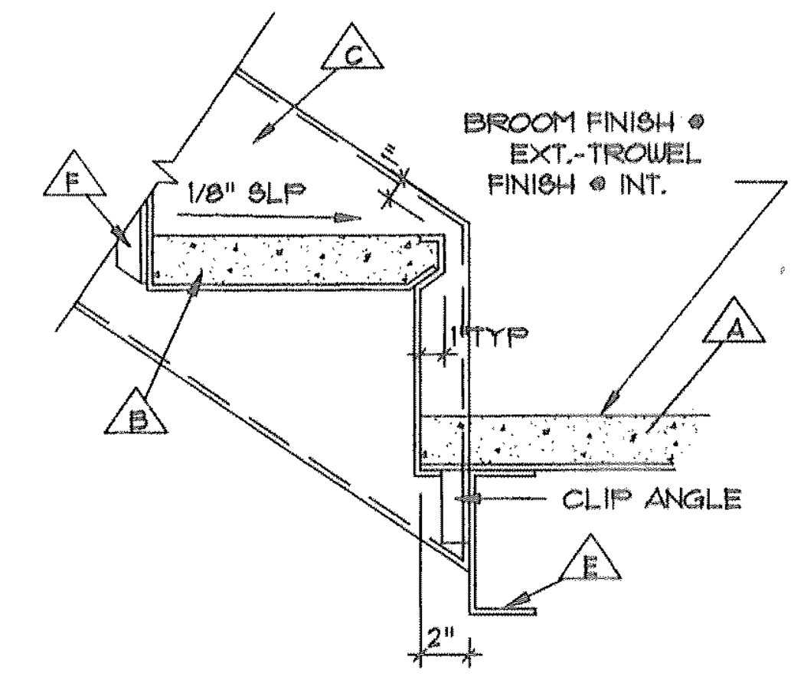

WARNING STRIP
2"
A
C
B
1"TYP
1/8" SLP
D
E
CLIP ANGLE
F

STAIR @ UPR FLOOR

7
A12

1 1/2" = 1'-0'

1000

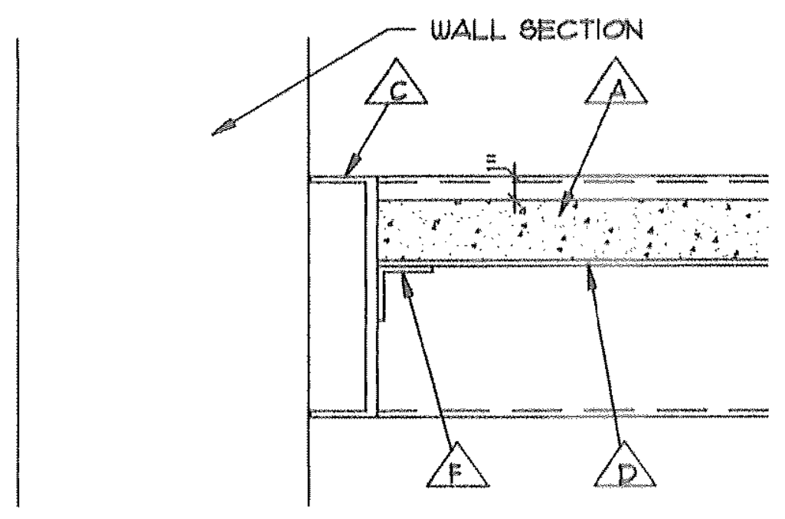

C
BROOM FINISH @ EXT.-TROWEL FINISH @ INT.
F
1/8" SLP
1"TYP
A
B
CLIP ANGLE
E
2"

STAIR @ LANDING

7
A12

1 1/2" = 1'-0'

1000


WALL SECTION
C
A
F
D

LANDING @ WALL

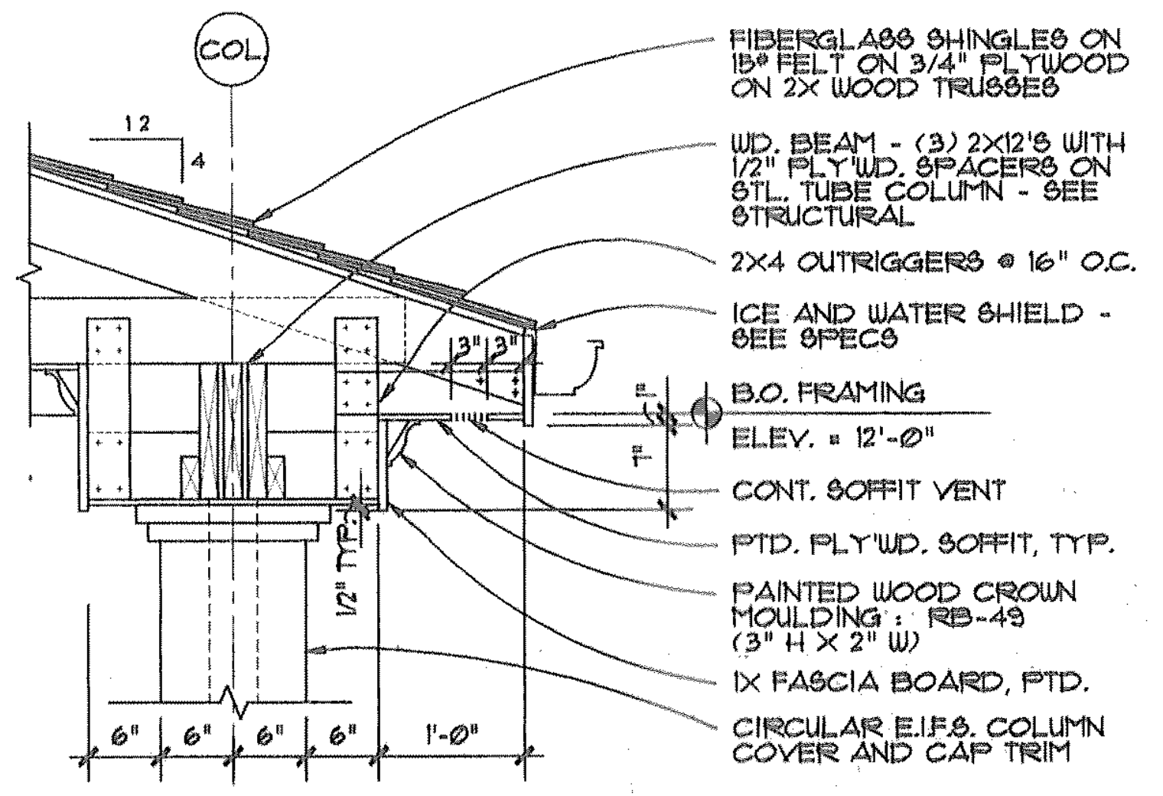
7
A12

1 1/2" = 1'-0'

1000

LEGEND

- △A 2 1/2" CONC FILL ON LANDINGS
- △B 2" CONC FILL ON TREADS
- △C MC12 X 10.6 STRINGER
- △D 12 GA STL RISER SUB TREAD & LANDING
- △E 6 3/4 8.2 SUPPORT OR AS PER STRUCT DWGS
- △F 1'-4" X 1'-4" X 1/8" STL ANGLE SUPPORT
- △G 3" X 2" X 1/4" X 4" CLIP ANGLE


COL.
12
4
FIBERGLASS SHINGLES ON 15# FELT ON 3/4" PLYWOOD ON 2X WOOD TRUSSES
WD. BEAM - (3) 2X12'S WITH 1/2" PLY'WD. SPACERS ON STL. TUBE COLUMN - SEE STRUCTURAL
2X4 OUTRIGGERS @ 16" O.C.
ICE AND WATER SHIELD - SEE SPECS
3"
3"
B.O. FRAMING
ELEV. = 12'-0"
7"
CONT. SOFFIT VENT
PTD. PLY'WD. SOFFIT, TYP.
1/2" TYP.
PAINTED WOOD CROWN MOULDING : RB-49 (3" H X 2" W)
1X FASCIA BOARD, PTD.
CIRCULAR E.I.F.S. COLUMN COVER AND CAP TRIM
6"
6"
6"
6"
1'-0"

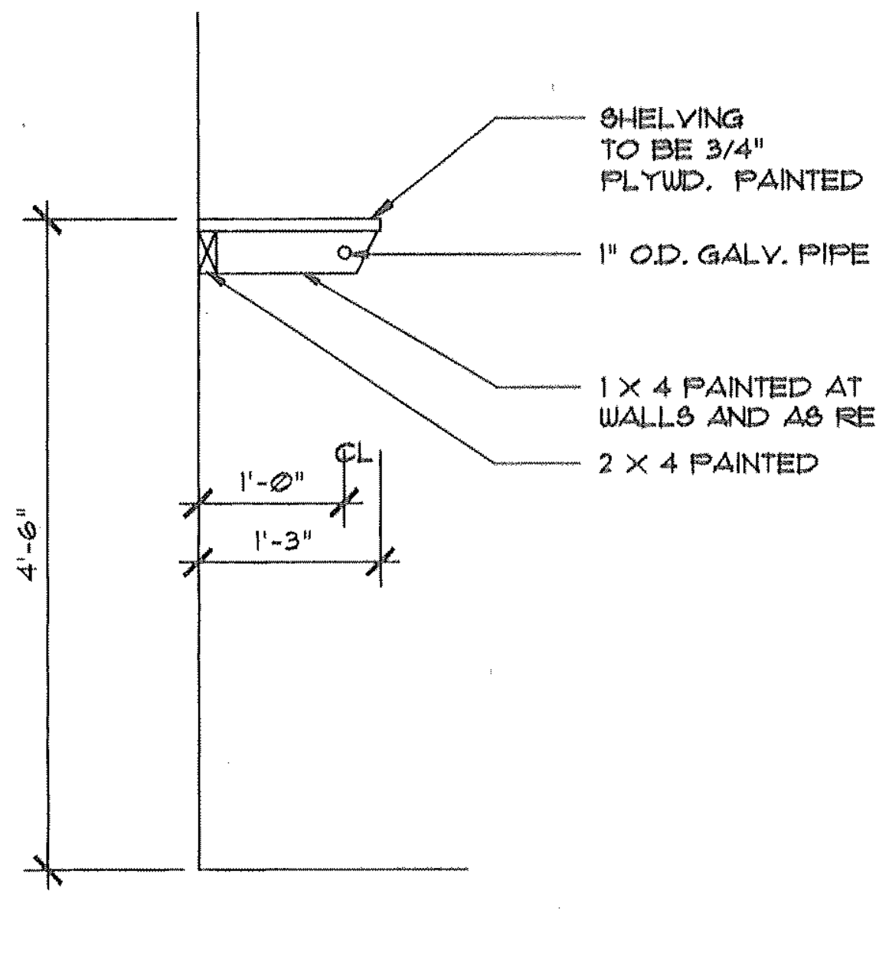
SECTION AT ENTRY CANOPY

8

3/4" = 1'

4056

NOTE: SEE FRAMING PLAN FOR ALL ROOF FRAMING MEMBERS

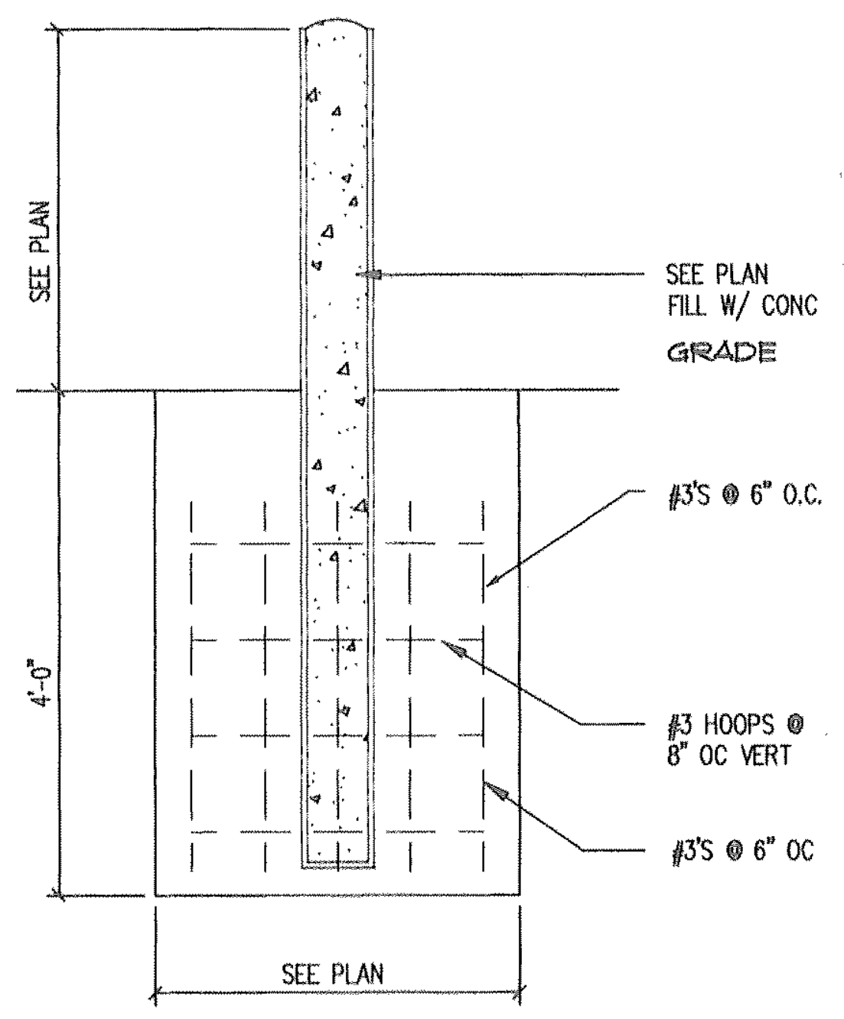

SHELVING TO BE 3/4" PLYWD. PAINTED
1" O.D. GALV. PIPE
1 X 4 PAINTED AT WALLS AND AS REQ.
2 X 4 PAINTED
CL
1'-0"
1'-3"
4'-6"

SHELF AND ROD DTL

9
A12

3/4" = 1'

7504


SEE PLAN
SEE PLAN FILL W/ CONC
GRADE
#3'S @ 6" O.C.
4'-0"
#3 HOOPS @ 8" OC VERT
#3'S @ 6" OC
SEE PLAN

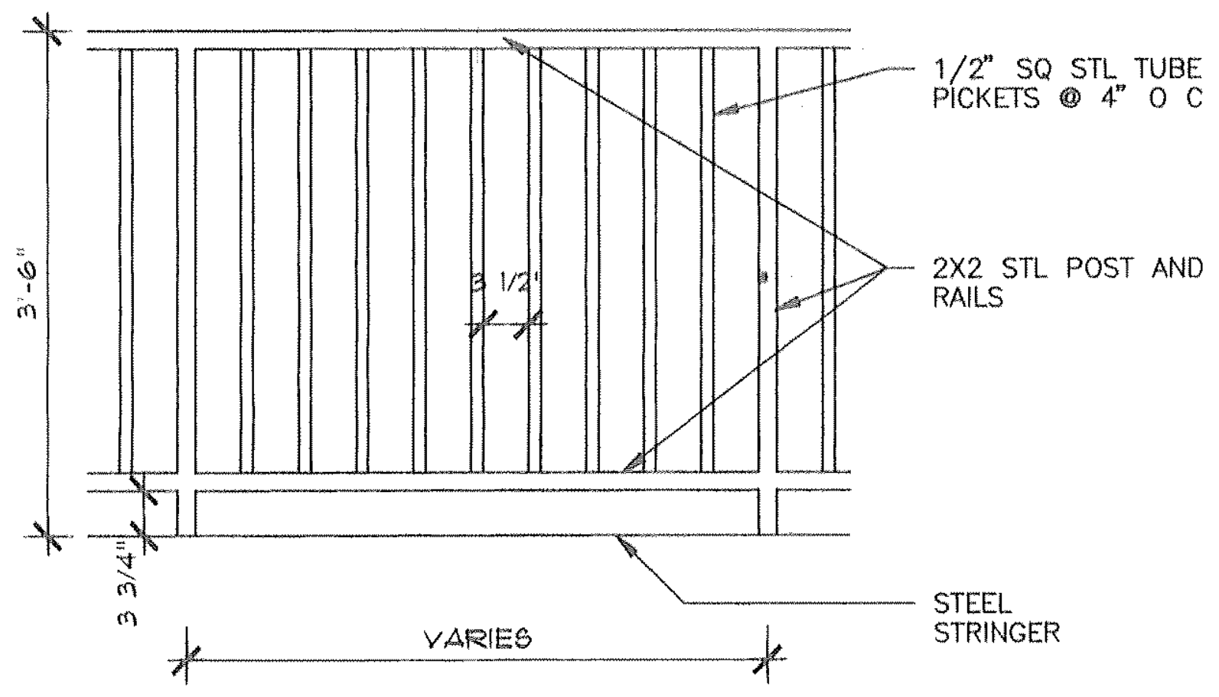
BOLLARD DTL

10
A12

3/4" = 1'

8020

NOTE! PROVIDE A MINIMUM COVERAGE OF 2'-0" OF CONCRETE AROUND BOLLARD

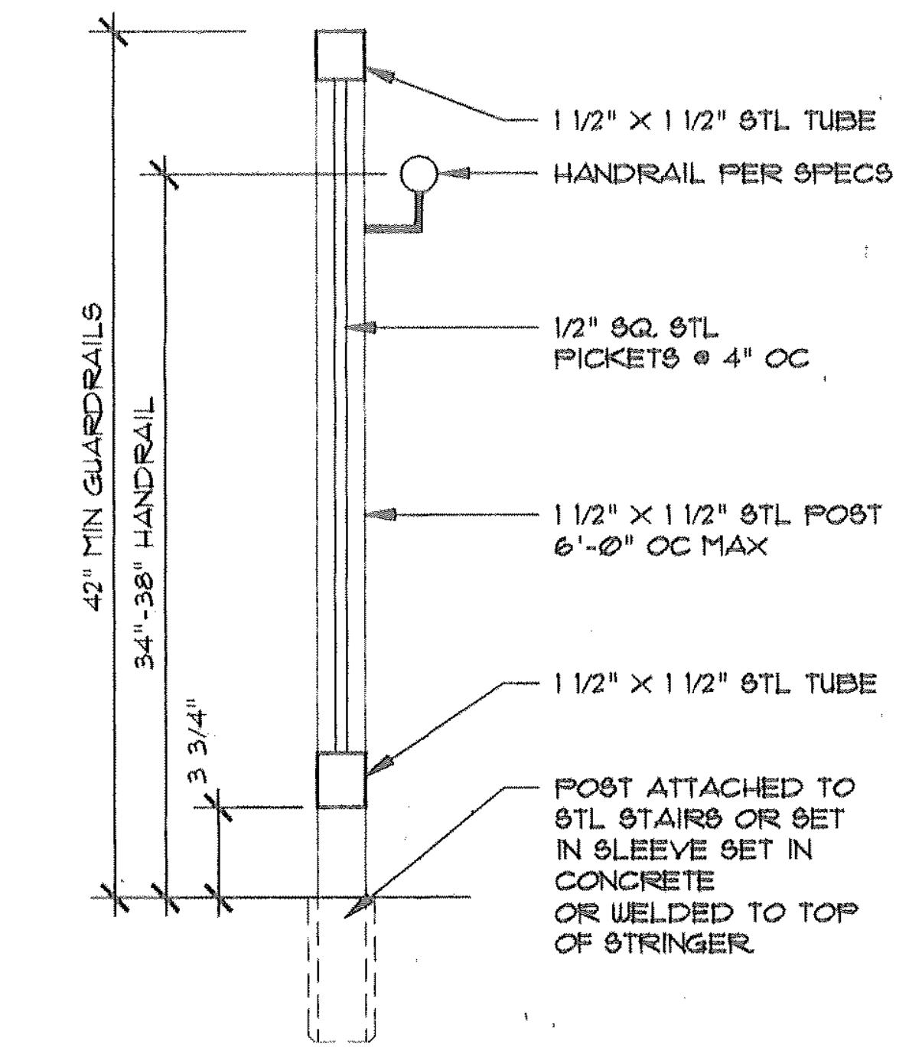

1/2" SQ STL TUBE PICKETS @ 4" O C
3'-6"
3 1/2"
2X2 STL POST AND RAILS
3 3/4"
STEEL STRINGER
VARIES

GUARDRAIL ELEVATION

11
A12

3/4" = 1'

7012


1 1/2" X 1 1/2" STL TUBE
HANDRAIL PER SPECS
1/2" SQ. STL PICKETS @ 4" OC
42" MIN GUARDRAILS
34"-38" HANDRAIL
1 1/2" X 1 1/2" STL POST 6'-0" OC MAX
1 1/2" X 1 1/2" STL TUBE
3 3/4"
POST ATTACHED TO STL STAIRS OR SET IN SLEEVE SET IN CONCRETE OR WELDED TO TOP OF STRINGER

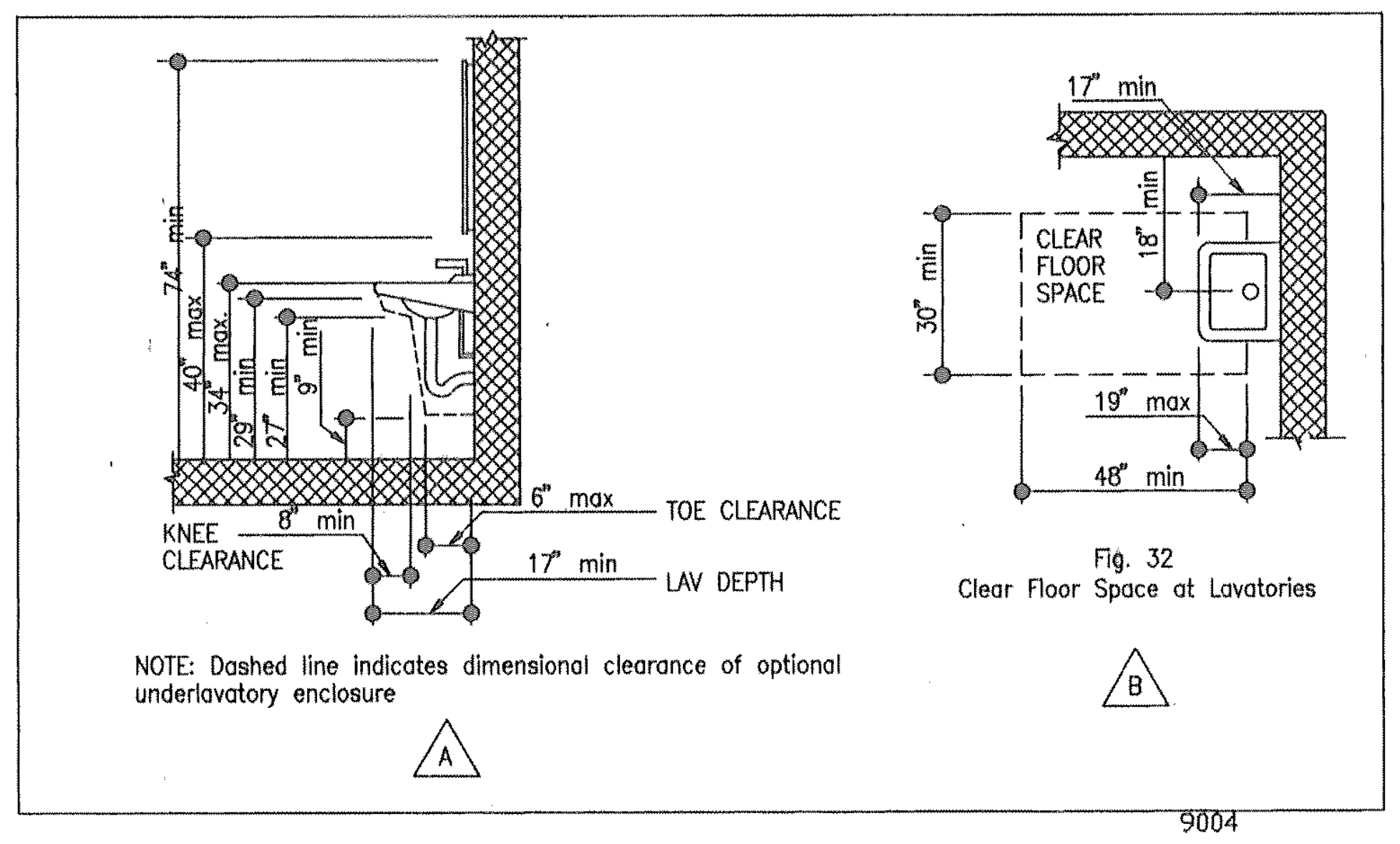
GUARDRAIL W/ HANDRAIL TYP

12
A12

1 1/2" = 1'-0'

7002

NOTE: PROVIDE 42" GUARDRAIL @ ALL LANDINGS.

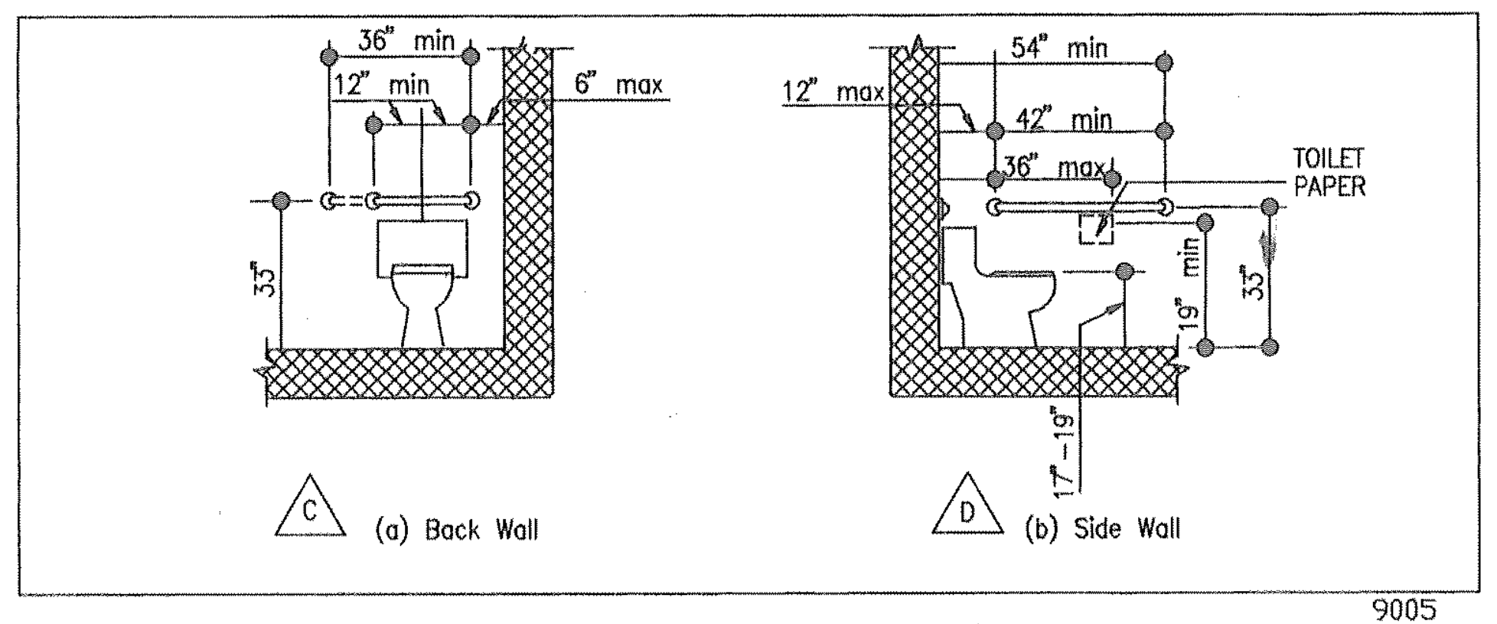

74" min
40" max
34" max.
29" min
27" min
9" min
6" max
TOE CLEARANCE
KNEE CLEARANCE
8" min
17" min
LAV DEPTH
A
17" min
18" min
30" min
CLEAR FLOOR SPACE
19" max
48" min
B

NOTE: Dashed line indicates dimensional clearance of optional underlavatory enclosure

Fig. 32
Clear Floor Space at Lavatories

9004

DISABLED PERSON-PRIVATE LAVATORY DETAIL

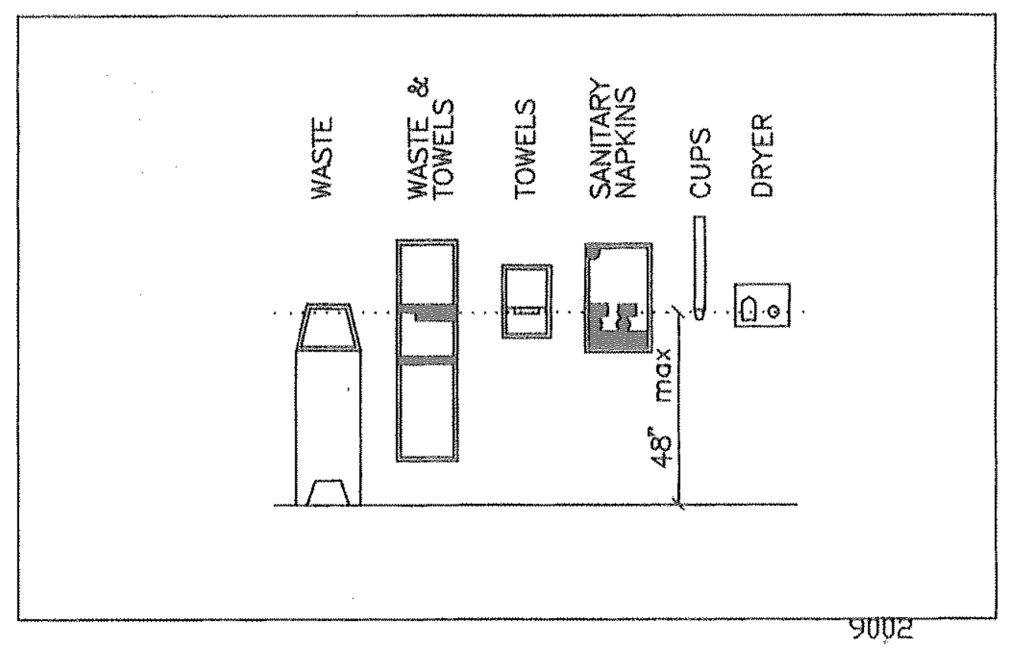

36" min
12" min
6" max
33"
C
12" max
54" min
42" min
36" max
TOILET PAPER
19" min
33"
17"-19"
D

(a) Back Wall

(b) Side Wall

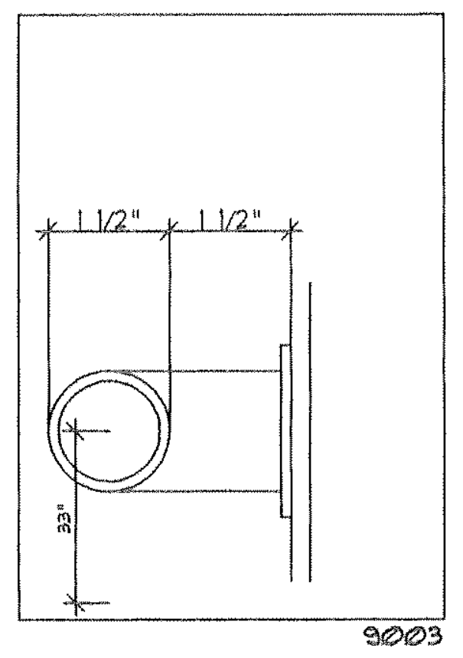
9005

DISABLED PERSON-PRIVATE FLOOR MOUNTED W.C. DETAIL


WASTE
WASTE & TOWELS
TOWELS
SANITARY NAPKINS
CUPS
DRYER
48" max

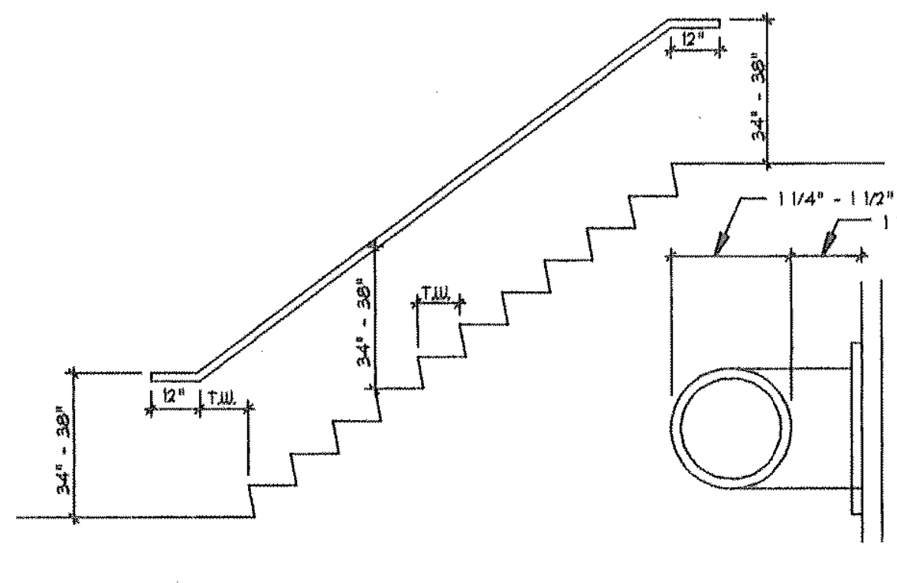
9002

DISABLED PERSON TOILET ACCESSORIES



9003

GRAB BAR


12"
34" - 38"
1 1/4" - 1 1/2"
1 1/2"
T.W.
34" - 38"
12"
T.W.
34" - 38"

NOTE: TURN ALL HANDRAILS BACK TO WALL

STAIR DETAIL

A12

1/8" = 1'

1018

NOTES

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER JR
9-15-97

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DAA
Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
MISCELANEOUS DETAILS

PROJECT NO.
9708

CAD FILE NO:
NCWA

PLOT DATE
SEP. 16, 1997

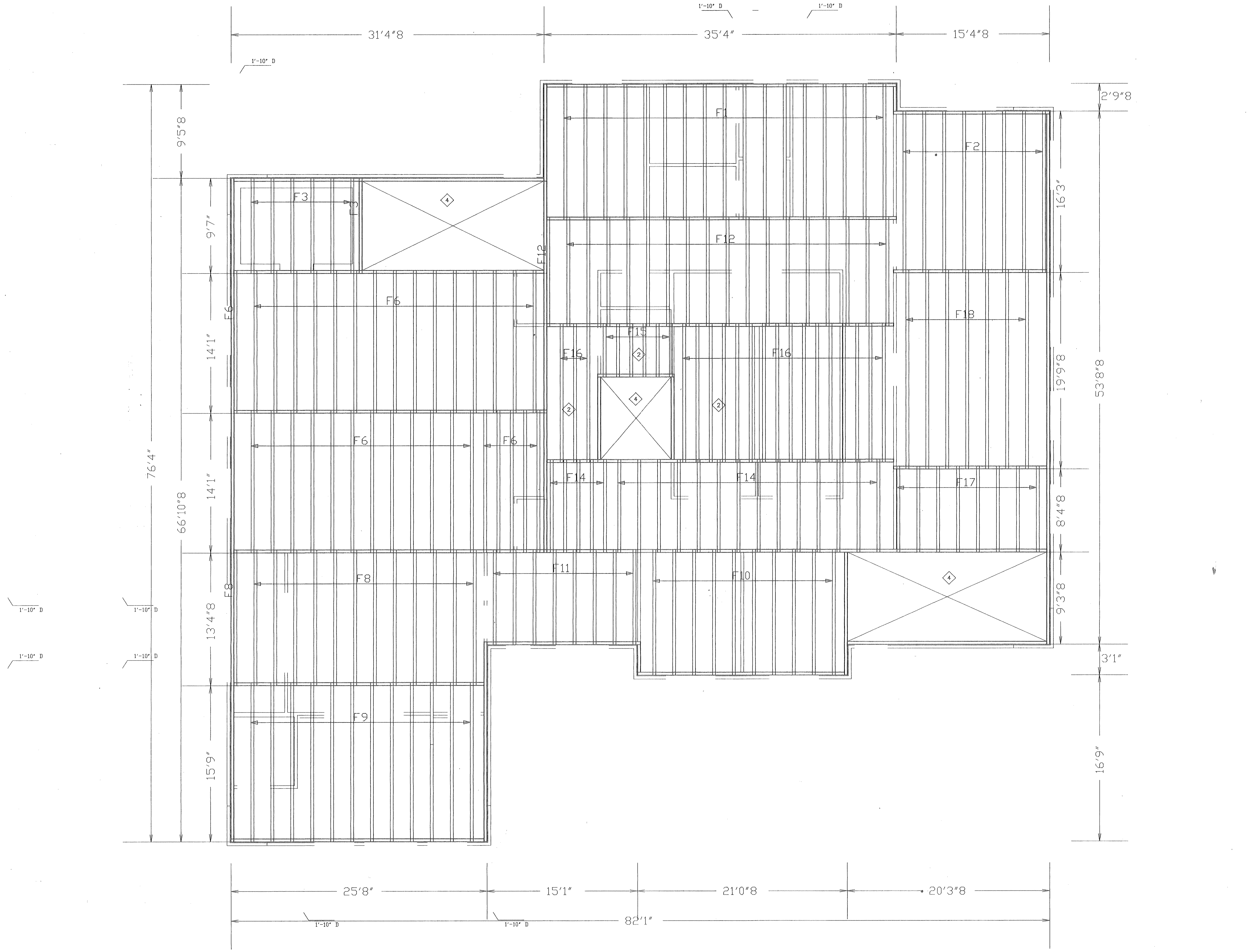
DATE
SEP. 15, 1997

DRAWN BY
RPA

CHECKED BY
EHB

SHEET NO.
A-12
OF 14

FOR CONSTRUCTION


1'-10" D
1'-10" D
1'-10" D
31'4"8
35'4"
15'4"8
2'9"8
9'5"8
9'7"
14'1"
14'1"
13'4"8
15'9"
76'4"
66'10"8
16'3"
19'9"8
8'4"8
9'3"8
3'1"
16'9"
53'8"8
F1
F2
F3
F3
4
F12
F12
F5
F6
F18
F15
F16
F16
2
2
2
4
F6
F6
F14
F14
F17
F8
F8
F11
F10
4
F9
1'-10" D
1'-10" D
1'-10" D
1'-10" D
25'8"
15'1"
21'0"8
20'3"8
82'1"
1'-10" D
1'-10" D

SECOND FLOOR FRAMING PLAN ①

1/4" = 1'

NOTES

① TRUSS DESIGN, LAYOUT AND DRAWING BY: TRUSS SYSTEMS INC., OXFORD, GEORGIA.

② AREA INDICATES FLOOR TRUSSES ARE LOCATED AT 16" O.C. ALL OTHER FLOOR TRUSSES ARE AT 24" O.C.

③ MAXIMUM DEPTH OF FLOOR TRUSSES IS 14".

④ INDICATES NO FLOOR TRUSSES THIS AREA (STAIRS/ELEVATOR).

⑤ F11 - DESIGNATES TRUSS TYPE.

⑤ DESIGN LOADS - SEE SPECIFICATION SECTION 06190 - PREFABRICATED WOOD ROOF AND FLOOR TRUSSES.

SEAL

EDWARD HUTCHESON BURKHALTER, JR
9-15-97

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(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

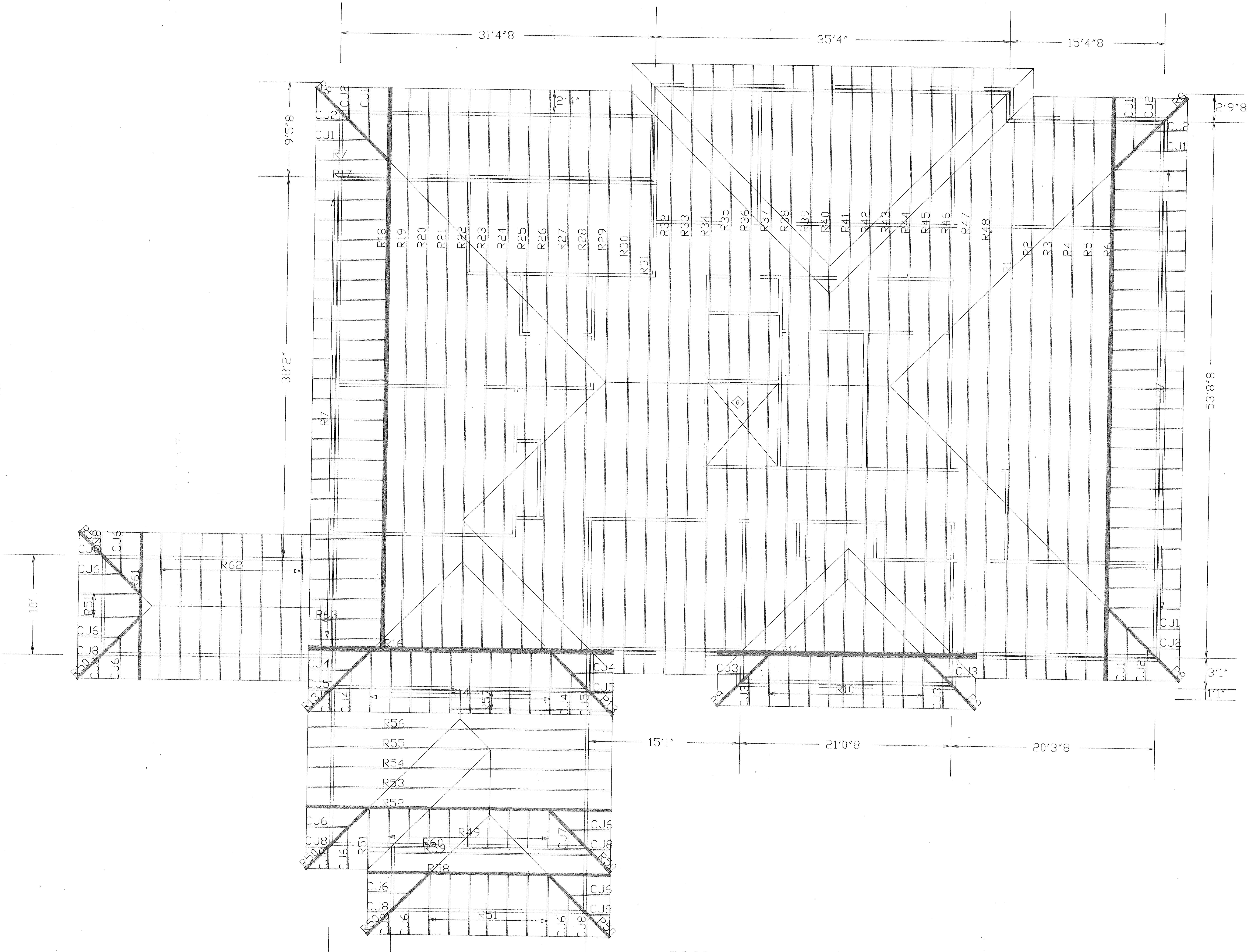
PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
SECOND FLOOR FRAMING PLAN

PROJECT NO.	9708
CAD FILE NO.	NCWA
PLOT DATE	SEP. 16, 1997
DATE	SEP. 15, 1997
DRAWN BY	TRUSS SYS. INC
CHECKED BY	EHB
SHEET NO.	13 OF 14

REVISIONS

FOR CONSTRUCTION


31'4"8
35'4"
15'4"8
2'4"
9'5"8
2'9"8
38'2"
53'8"8
10'
3'1"
1'1"
15'1"
21'0"8
20'3"8
6'2"
19'6"
CJ1
CJ2
CJ3
CJ4
CJ5
CJ6
CJ7
CJ8
R1
R2
R3
R4
R5
R6
R7
R10
R11
R14
R16
R17
R18
R19
R20
R21
R22
R23
R24
R25
R26
R27
R28
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R31
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R33
R34
R35
R36
R37
R38
R39
R40
R41
R42
R43
R44
R45
R46
R47
R48
R49
R51
R52
R53
R54
R55
R56
R57
R58
R59
R60
R61
R62
R63
6

ROOF FRAMING PLAN ①

1/4" = 1'

NOTES

1. TRUSS DESIGN, LAYOUT AND DRAWING BY: TRUSS SYSTEMS INC., OXFORD, GEORGIA.
2. AREA INDICATES FLOOR TRUSSES ARE LOCATED AT 16" O.C. ALL OTHER FLOOR TRUSSES ARE AT 24" O.C.
3. MAXIMUM DEPTH OF FLOOR TRUSSES IS 14".
4. INDICATES NO FLOOR TRUSSES THIS AREA (STAIRS/ELEVATOR).
5. F11 - DESIGNATES TRUSS TYPE.
5. DESIGN LOADS - SEE SPECIFICATION SECTION 06190 - PREFABRICATED WOOD ROOF AND FLOOR TRUSSES.
6. INDICATES BOTTOM CORD OF TRUSSES SHALL BE AT 12'-3"AFF MEASURED FROM 2nd FLOOR LEVEL. ELEVATOR CLEARANCE REQUIRED IN THIS LOCATION.

SEAL
EDWARD HUTCHESON BURKHALTER, JR
9-15-97
CERTIFICATE NO. 5134

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PROJECT NAME
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NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
ROOF FRAMING PLAN

PROJECT NO.	9708
CAD FILE NO.	NCWA
PLOT DATE	SEP. 16, 1997
DATE	SEP. 15, 1997
DRAWN BY	TRUSS SYS. INC
CHECKED BY	EHB
SHEET NO.	14 OF 14

REVISIONS

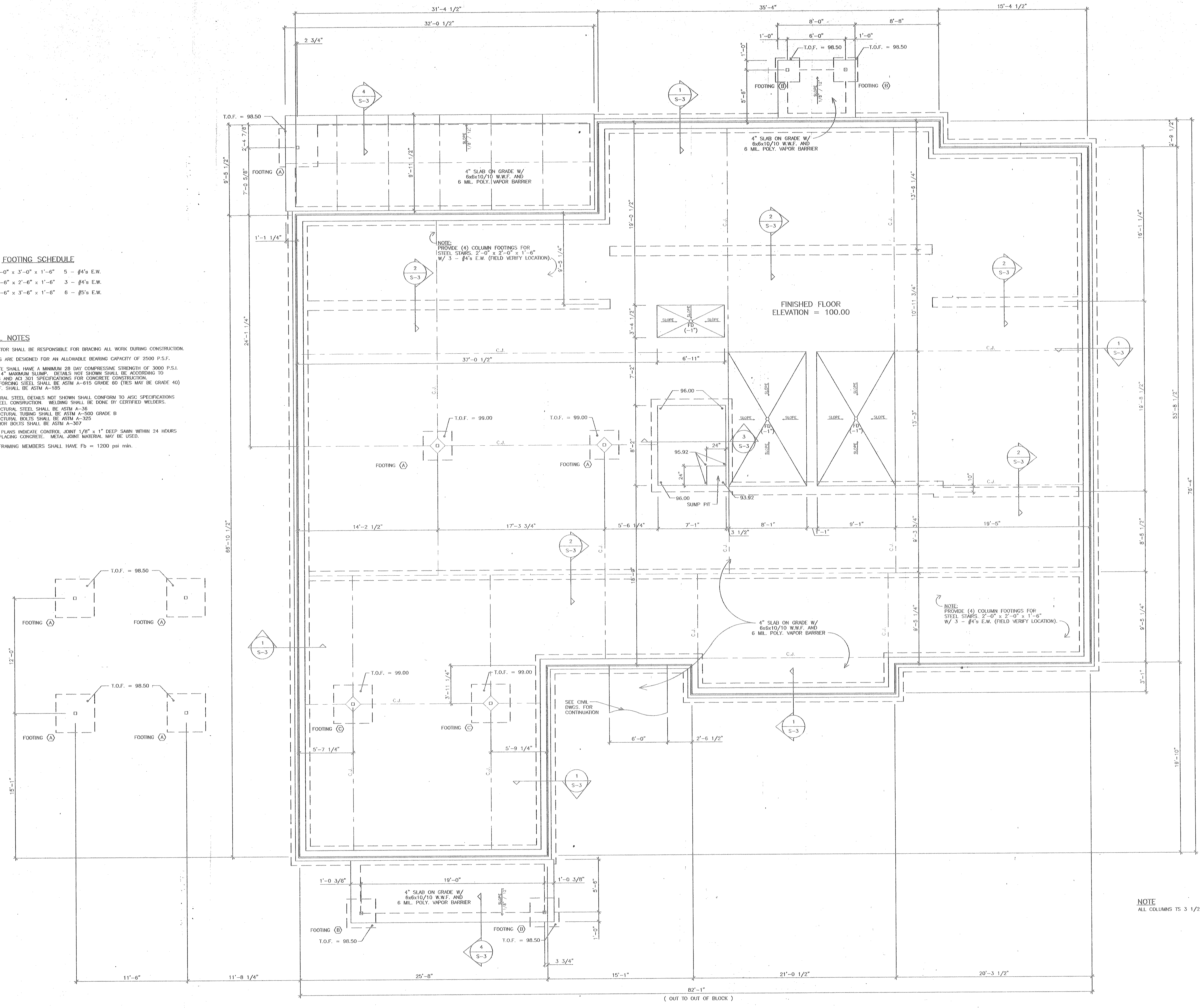
FOR CONSTRUCTION

FOOTING SCHEDULE

⟨A⟩	3'-0" x 3'-0" x 1'-6"	5 - #4's E.W.
⟨B⟩	2'-6" x 2'-6" x 1'-6"	3 - #4's E.W.
⟨C⟩	3'-6" x 3'-6" x 1'-6"	6 - #5's E.W.

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING ALL WORK DURING CONSTRUCTION.
2. FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 2500 P.S.F.
3. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I. WITH A 4" MAXIMUM SLUMP. DETAILS NOT SHOWN SHALL BE ACCORDING TO ACI 318 AND ACI 301 SPECIFICATIONS FOR CONCRETE CONSTRUCTION.
   - REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 (TIES MAY BE GRADE 40)
   - W.W.F. SHALL BE ASTM A-185
4. STRUCTURAL STEEL DETAILS NOT SHOWN SHALL CONFORM TO AISC SPECIFICATIONS FOR STEEL CONSRUCTION. WELDING SHALL BE DONE BY CERTIFIED WELDERS.
   - STRUCTURAL STEEL SHALL BE ASTM A-36
   - STRUCTURAL TUBING SHALL BE ASTM A-500 GRADE B
   - STRUCTURAL BOLTS SHALL BE ASTM A-325
   - ANCHOR BOLTS SHALL BE ASTM A-307
5. C.J. ON PLANS INDICATE CONTROL JOINT 1/8" x 1" DEEP SAWN WITHIN 24 HOURS AFTER PLACING CONCRETE. METAL JOINT MATERIAL MAY BE USED.
6. WOOD FRAMING MEMBERS SHALL HAVE Fb = 1200 psi min.


31'-4 1/2"
32'-0 1/2"
35'-4"
15'-4 1/2"
2 3/4"
8'-0"
8'-8"
1'-0"
6'-0"
1'-0"
T.O.F. = 98.50
FOOTING (B)
FOOTING (A)
4" SLAB ON GRADE W/ 6x6x10/10 W.W.F. AND 6 MIL. POLY. VAPOR BARRIER
NOTE: PROVIDE (4) COLUMN FOOTINGS FOR STEEL STAIRS. 2'-0" x 2'-0" x 1'-6" W/ 3 - #4's E.W. (FIELD VERIFY LOCATION).
FINISHED FLOOR ELEVATION = 100.00
SLOPE
FD (-1")
C.J.
T.O.F. = 99.00
FOOTING (C)
96.00
95.92
93.92
SUMP PIT
SEE CIVIL DWGS. FOR CONTINUATION
37'-0 1/2"
6'-11"
14'-2 1/2"
17'-3 3/4"
5'-6 1/4"
7'-1"
8'-1"
9'-1"
19'-5"
5'-7 1/4"
5'-9 1/4"
6'-0"
2'-6 1/2"
19'-0"
1'-0 3/8"
11'-6"
11'-8 1/4"
25'-8"
15'-1"
21'-0 1/2"
20'-3 1/2"
82'-1"
(OUT TO OUT OF BLOCK)
76'-4"
53'-8 1/2"
66'-10 1/2"
S-3

NOTE
ALL COLUMNS TS 3 1/2 x 3 1/2 x 1/4 U.N.O.

FOUNDATION PLAN

1/4" = 1'-0"

NOTES

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER, JR
CERTIFICATE NO. 5134
9-15-97

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Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3877 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
FOUNDATION PLAN

PROJECT NO.
9708

CAD FILE NO.
NCWA

PLOT DATE
SEP. 15, 1997

DATE
SEP. 15, 1997

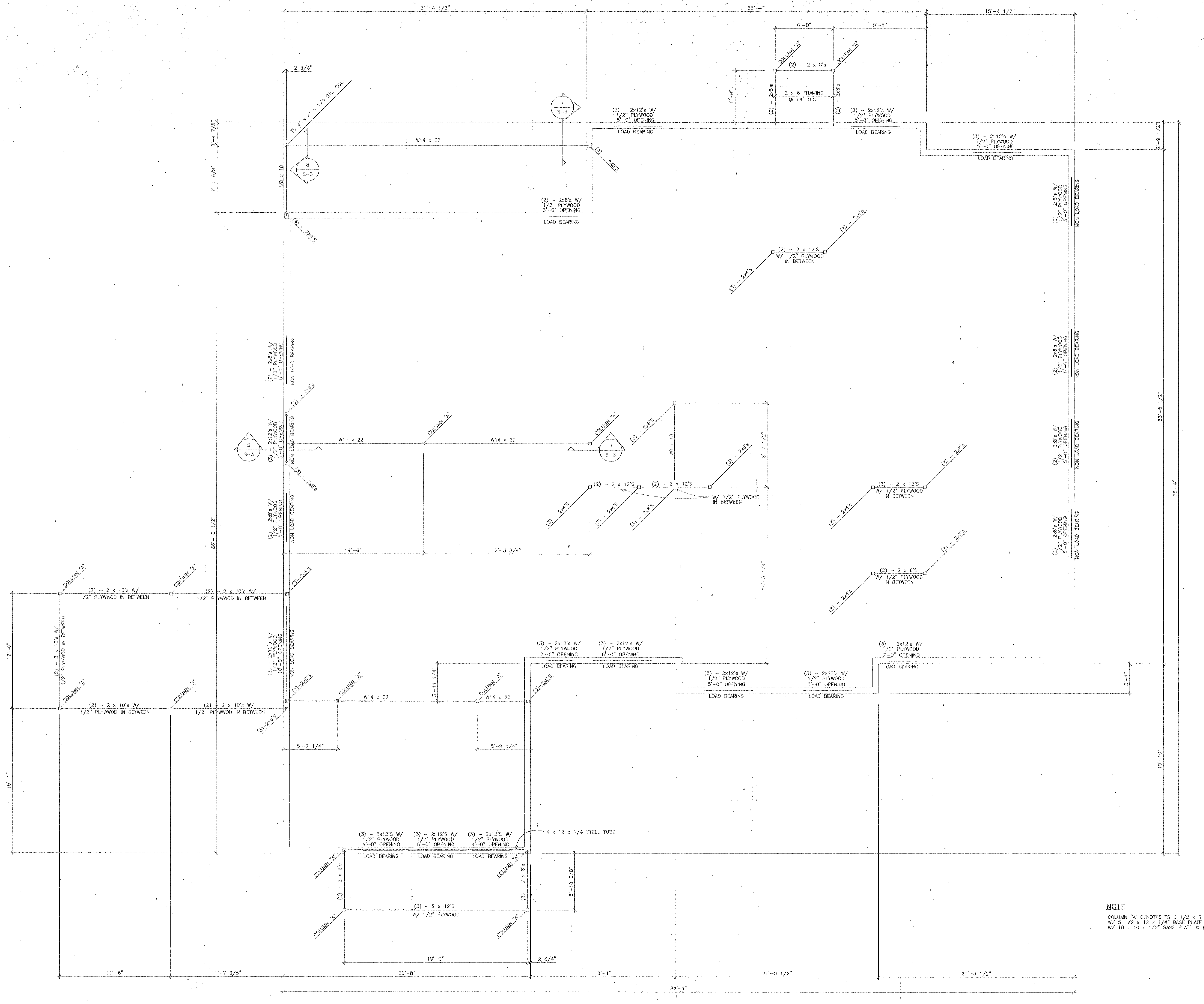
DRAWN BY
WLH

CHECKED BY
EHB

SHEET NO.
S-1
OF 3

FOR CONSTRUCTION

NOTES


31'-4 1/2"
35'-4"
15'-4 1/2"
6'-0"
9'-8"
2 3/4"
TS 4" x 4" x 1/4 STL. COL.
7
S-3
8
S-3
W14 x 22
W8 x 10
2'-4 7/8"
7'-0 5/8"
(4) - 2X6'S
(2) - 2x8's W/
1/2" PLYWOOD
3'-0" OPENING
LOAD BEARING
(3) - 2x12's W/
1/2" PLYWOOD
5'-0" OPENING
LOAD BEARING
COLUMN "A"
(2) - 2 x 8's
(2) - 2x8's
2 x 6 FRAMING
@ 16" O.C.
5'-6"
2'-9 1/2"
(2) - 2 x 12'S
W/ 1/2" PLYWOOD
IN BETWEEN
(3) - 2x4's
(3) - 2x6's
(2) - 2x8's W/
1/2" PLYWOOD
5'-0" OPENING
NON LOAD BEARING
(3) - 2x12's W/
1/2" PLYWOOD
5'-0" OPENING
NON LOAD BEARING
5
S-3
6
S-3
14'-6"
17'-3 3/4"
8'-7 1/2"
18'-5 1/4"
53'-8 1/2"
76'-4"
66'-10 1/2"
(2) - 2 x 8'S
W/ 1/2" PLYWOOD
IN BETWEEN
(2) - 2 x 10's W/
1/2" PLYWOOD IN BETWEEN
(3) - 2x12's W/
1/2" PLYWOOD
10'-0" OPENING
NON LOAD BEARING
(3)-2x6'S
12'-0"
15'-1"
3'-11 1/4"
5'-7 1/4"
5'-9 1/4"
(3) - 2x12's W/
1/2" PLYWOOD
2'-6" OPENING
(3) - 2x12's W/
1/2" PLYWOOD
6'-0" OPENING
(3) - 2x12's W/
1/2" PLYWOOD
3'-0" OPENING
3'-1"
19'-10"
(3) - 2x12'S W/
1/2" PLYWOOD
4'-0" OPENING
(3) - 2x12'S W/
1/2" PLYWOOD
6'-0" OPENING
4 x 12 x 1/4 STEEL TUBE
(2) - 2 x 8's
(3) - 2 x 12'S
W/ 1/2" PLYWOOD
5'-10 5/8"
19'-0"
2 3/4"
11'-6"
11'-7 5/8"
25'-8"
15'-1"
21'-0 1/2"
20'-3 1/2"
82'-1"

NOTE

COLUMN "A' DENOTES TS 3 1/2 x 3 1/2 x 1/4 COLUMN W/ 5 1/2 x 12 x 1/4" BASE PLATE @ EXTERIOR WALLS OR W/ 10 x 10 x 1/2" BASE PLATE @ INTERIOR WALL LOCATIONS.

FRAMING PLAN

1/4" = 1'-0"

REVISIONS

EDWARD HUTCHESON BURKHALTER, JR

9-15-97

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SHEET NO.
S-2
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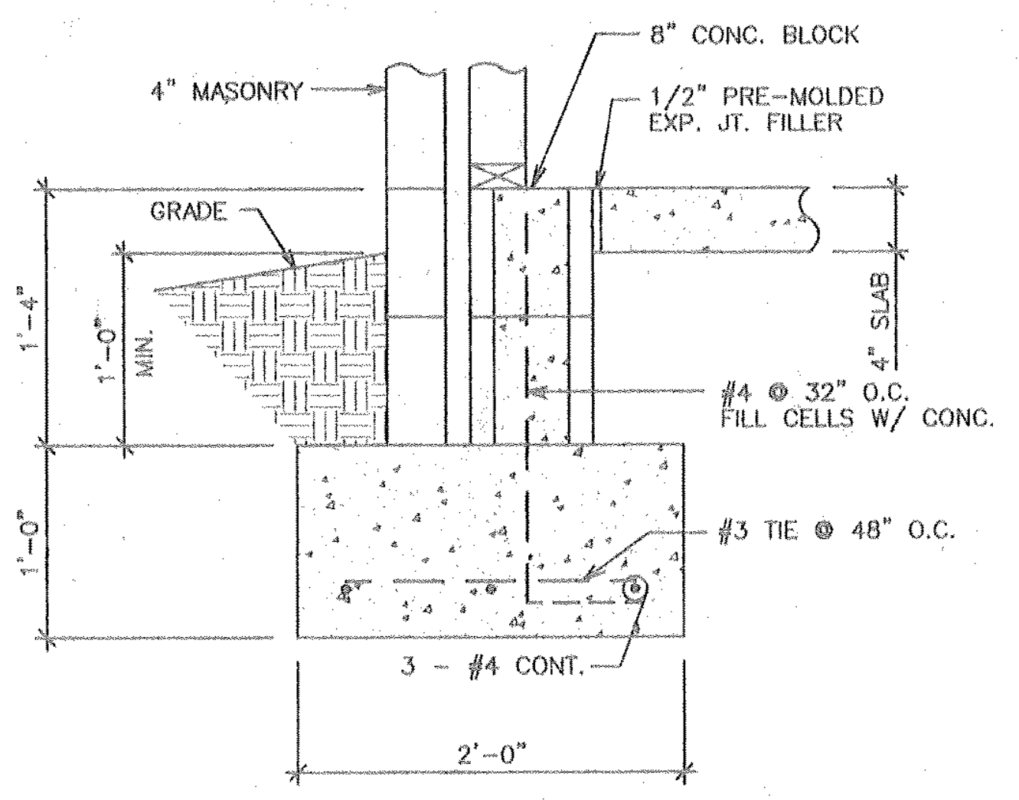
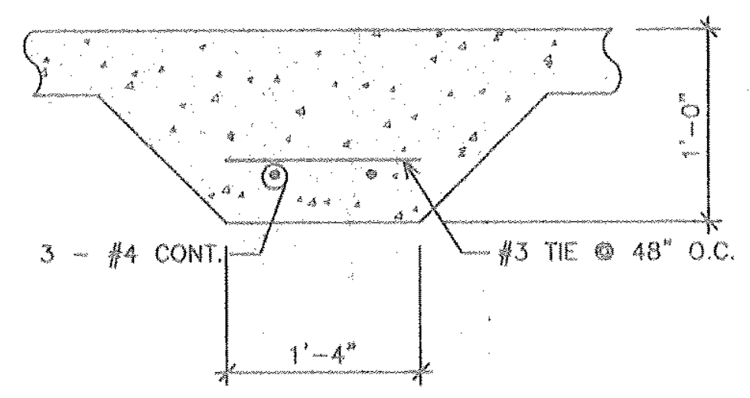

8" CONC. BLOCK
4" MASONRY
1/2" PRE-MOLDED EXP. JT. FILLER
GRADE
1'-4"
1'-0" MIN.
4" SLAB
#4 @ 32" O.C. FILL CELLS W/ CONC.
1'-0"
#3 TIE @ 48" O.C.
3 - #4 CONT.
2'-0"

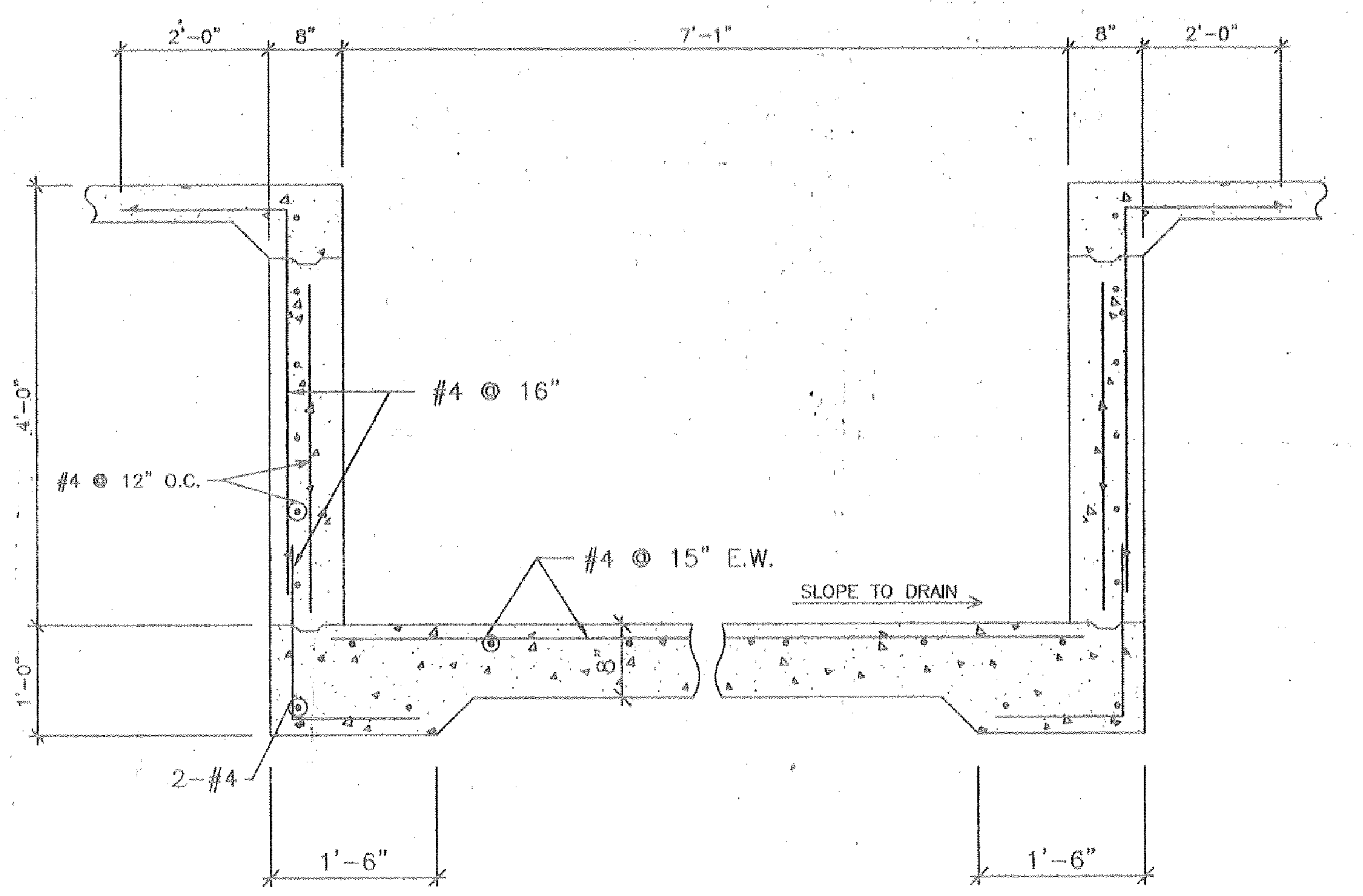
SECTION 1
S-3

1" = 1'-0"


1'-0"
3 - #4 CONT.
#3 TIE @ 48" O.C.
1'-4"

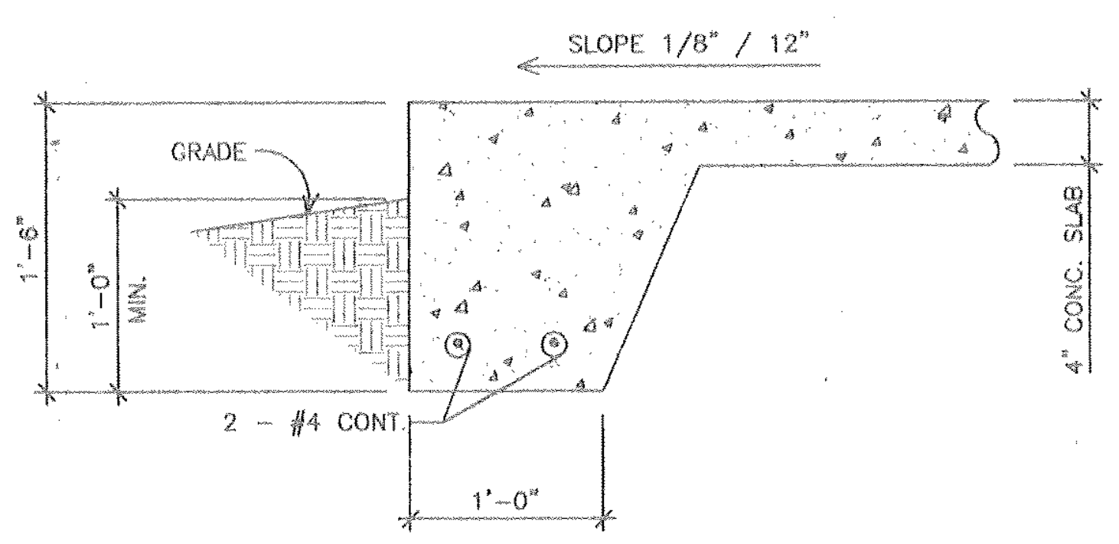
SECTION 2
S-3

1" = 1'-0"


2'-0"
8"
7'-1"
8"
2'-0"
#4 @ 16"
4'-0"
#4 @ 12" O.C.
#4 @ 15" E.W.
SLOPE TO DRAIN
8
1'-0"
2-#4
1'-6"
1'-6"

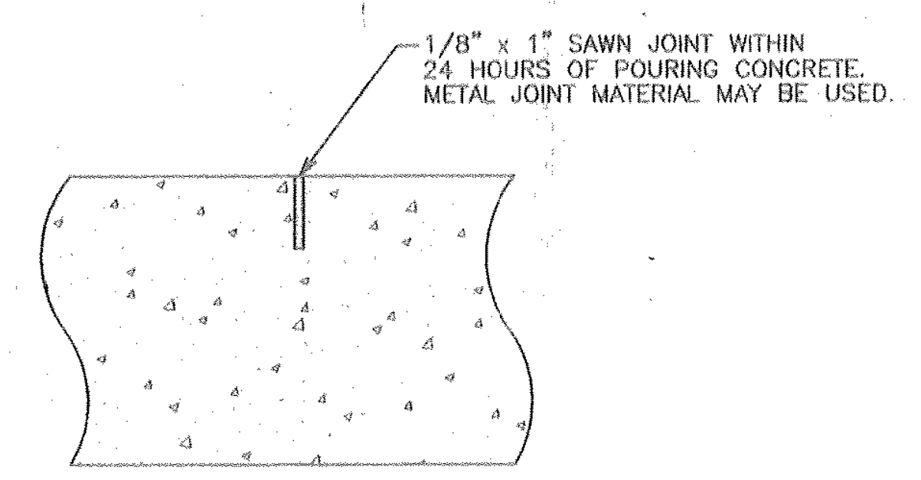
SECTION 3
S-3

3/4" = 1'-0"

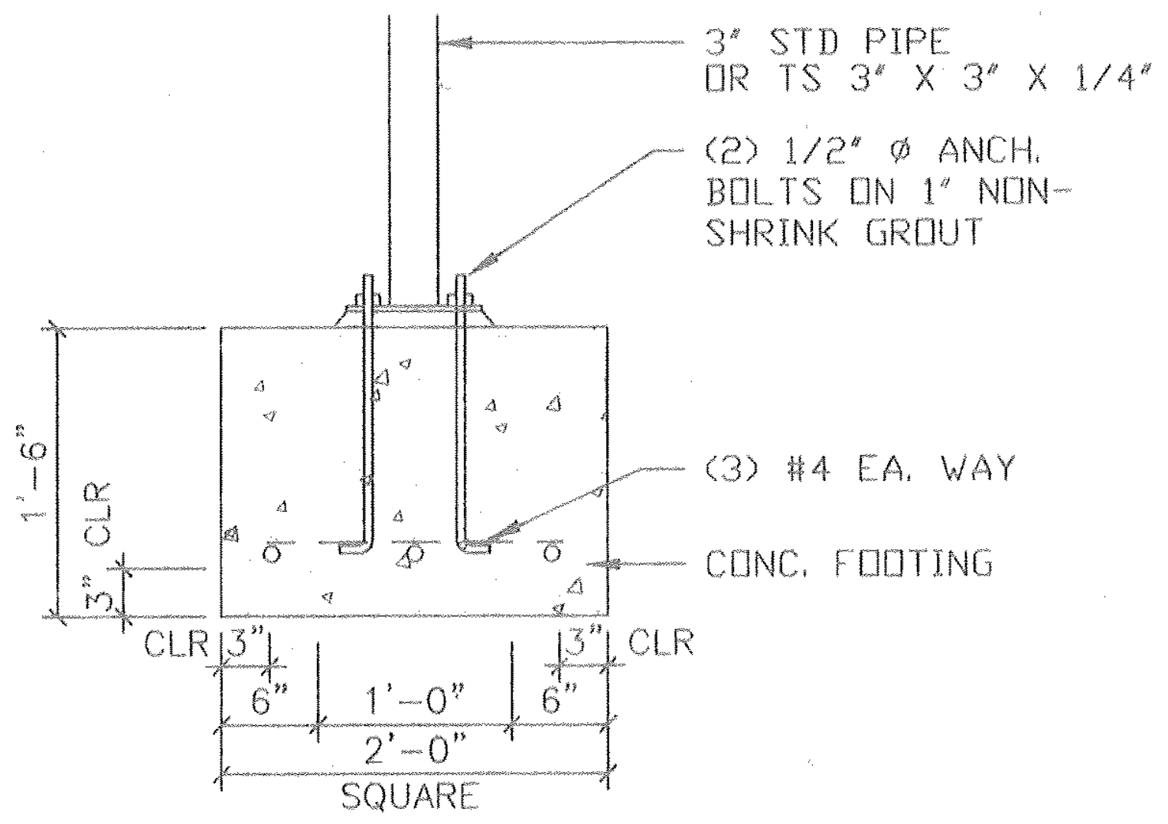

SLOPE 1/8" / 12"
GRADE
1'-6"
1'-0" MIN.
4" CONC. SLAB
2 - #4 CONT.
1'-0"

SECTION 4
S-3

1" = 1'-0"

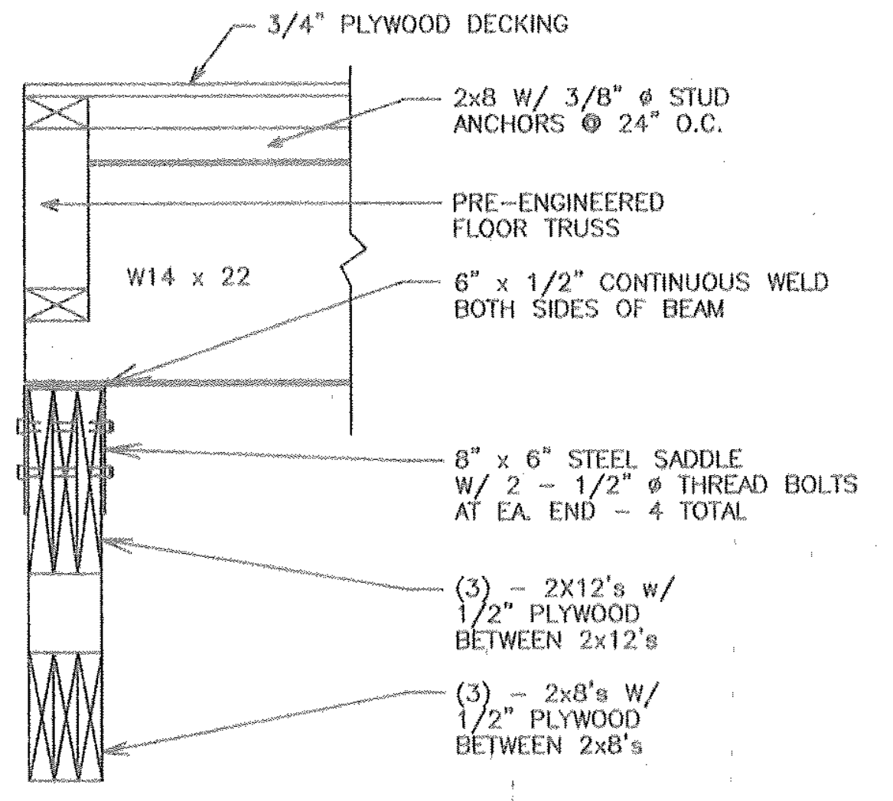

1/8" x 1" SAWN JOINT WITHIN 24 HOURS OF POURING CONCRETE. METAL JOINT MATERIAL MAY BE USED.

CONTROL JOINT DETAIL


3" STD PIPE OR TS 3" X 3" X 1/4"
(2) 1/2" ø ANCH. BOLTS ON 1" NON-SHRINK GROUT
1'-6"
3" CLR
(3) #4 EA. WAY
CONC. FOOTING
CLR 3"
3" CLR
6"
1'-0"
6"
2'-0"
SQUARE

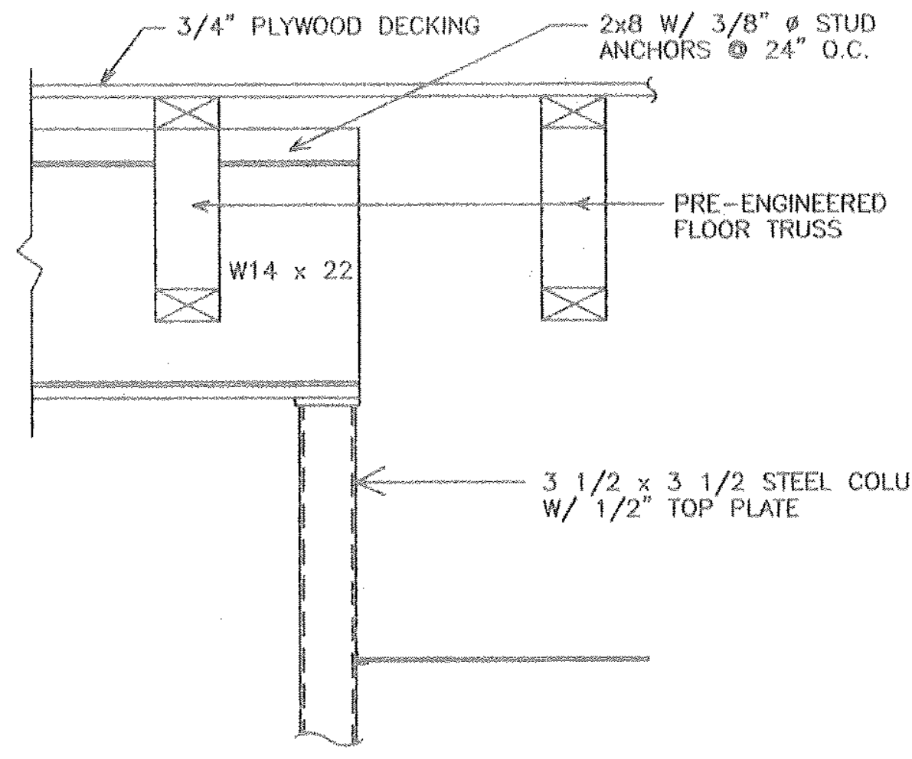
STAIR FTG. DETAIL

1" = 1'-0"


3/4" PLYWOOD DECKING
2x8 W/ 3/8" ø STUD ANCHORS @ 24" O.C.
PRE-ENGINEERED FLOOR TRUSS
W14 x 22
6" x 1/2" CONTINUOUS WELD BOTH SIDES OF BEAM
8" x 6" STEEL SADDLE W/ 2 - 1/2" ø THREAD BOLTS AT EA. END - 4 TOTAL
(3) - 2X12's w/ 1/2" PLYWOOD BETWEEN 2x12's
(3) - 2x8's W/ 1/2" PLYWOOD BETWEEN 2x8's

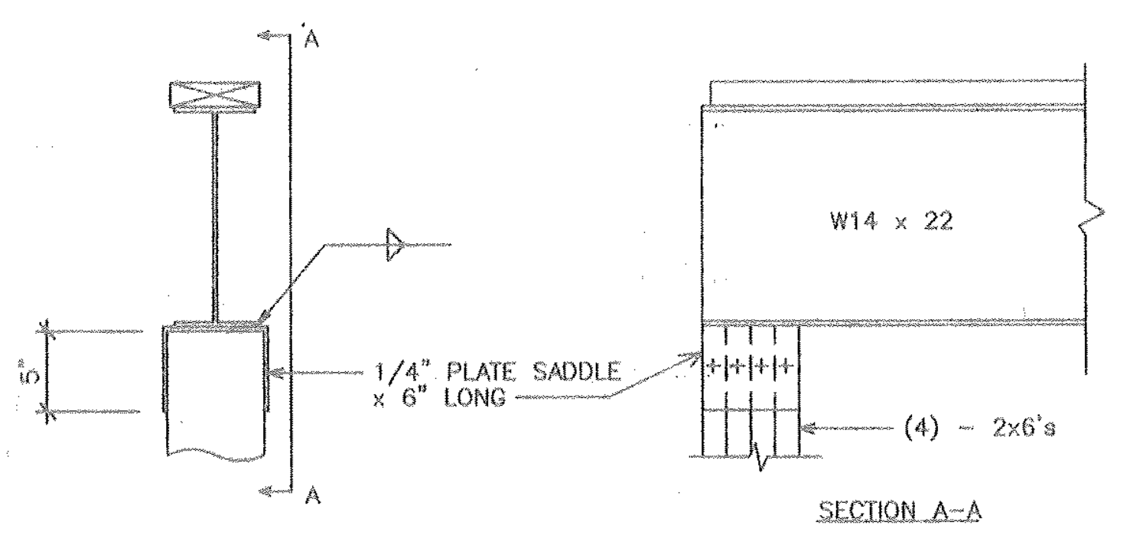
SECTION 5
S-3

1" = 1'-0"


3/4" PLYWOOD DECKING
2x8 W/ 3/8" ø STUD ANCHORS @ 24" O.C.
PRE-ENGINEERED FLOOR TRUSS
W14 x 22
3 1/2 x 3 1/2 STEEL COLUMN W/ 1/2" TOP PLATE

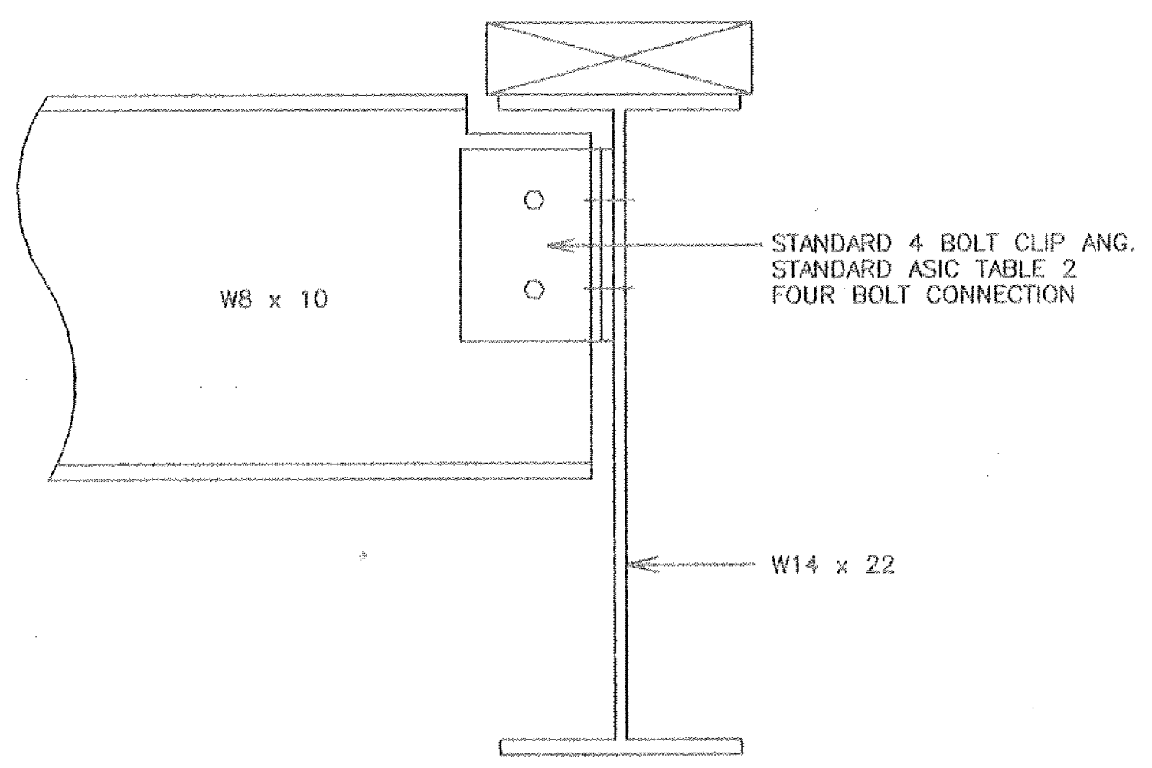
SECTION 6
S-3

1" = 1'-0"


A
A
5"
1/4" PLATE SADDLE x 6" LONG
W14 x 22
(4) - 2x6's
SECTION A-A

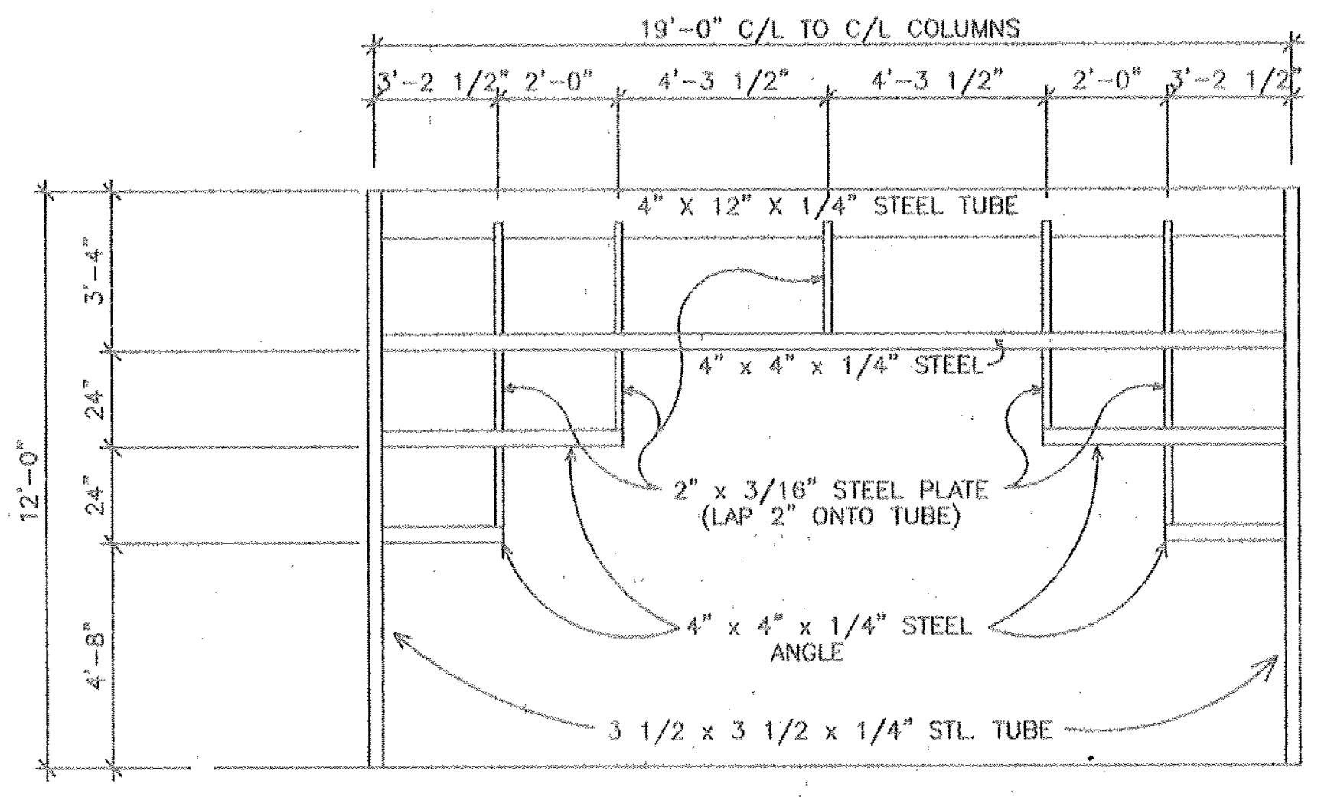
SECTION 7
S-3

1" = 1'-0"


W8 x 10
STANDARD 4 BOLT CLIP ANG. STANDARD ASIC TABLE 2 FOUR BOLT CONNECTION
W14 x 22

SECTION 8
S-3

3" = 1'-0"


19'-0" C/L TO C/L COLUMNS
3'-2 1/2"
2'-0"
4'-3 1/2"
4'-3 1/2"
2'-0"
3'-2 1/2"
4" X 12" X 1/4" STEEL TUBE
4" x 4" x 1/4" STEEL
2" x 3/16" STEEL PLATE (LAP 2" ONTO TUBE)
4" x 4" x 1/4" STEEL ANGLE
3 1/2 x 3 1/2 x 1/4" STL. TUBE
12'-0"
3'-4"
24"
24"
4'-8"

SECTION AT FRONT WALL

1/4" = 1'-0"

NOTES

REVISIONS

SEAL

EDWARD HUTCHESON BURKHALTER, JR

9-15-97

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DRAWING NAME
STRUCTURAL DETAIL SHEET

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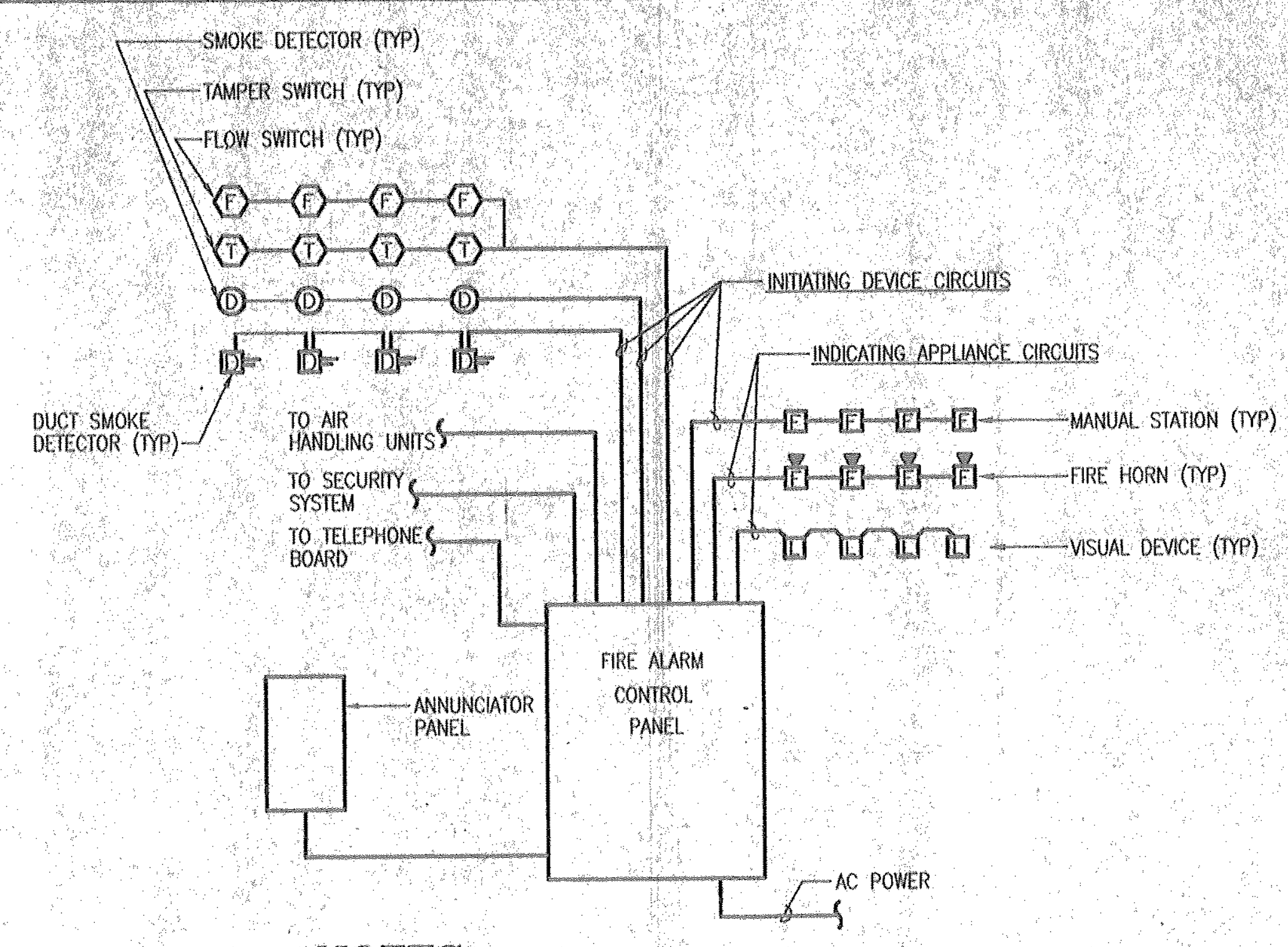
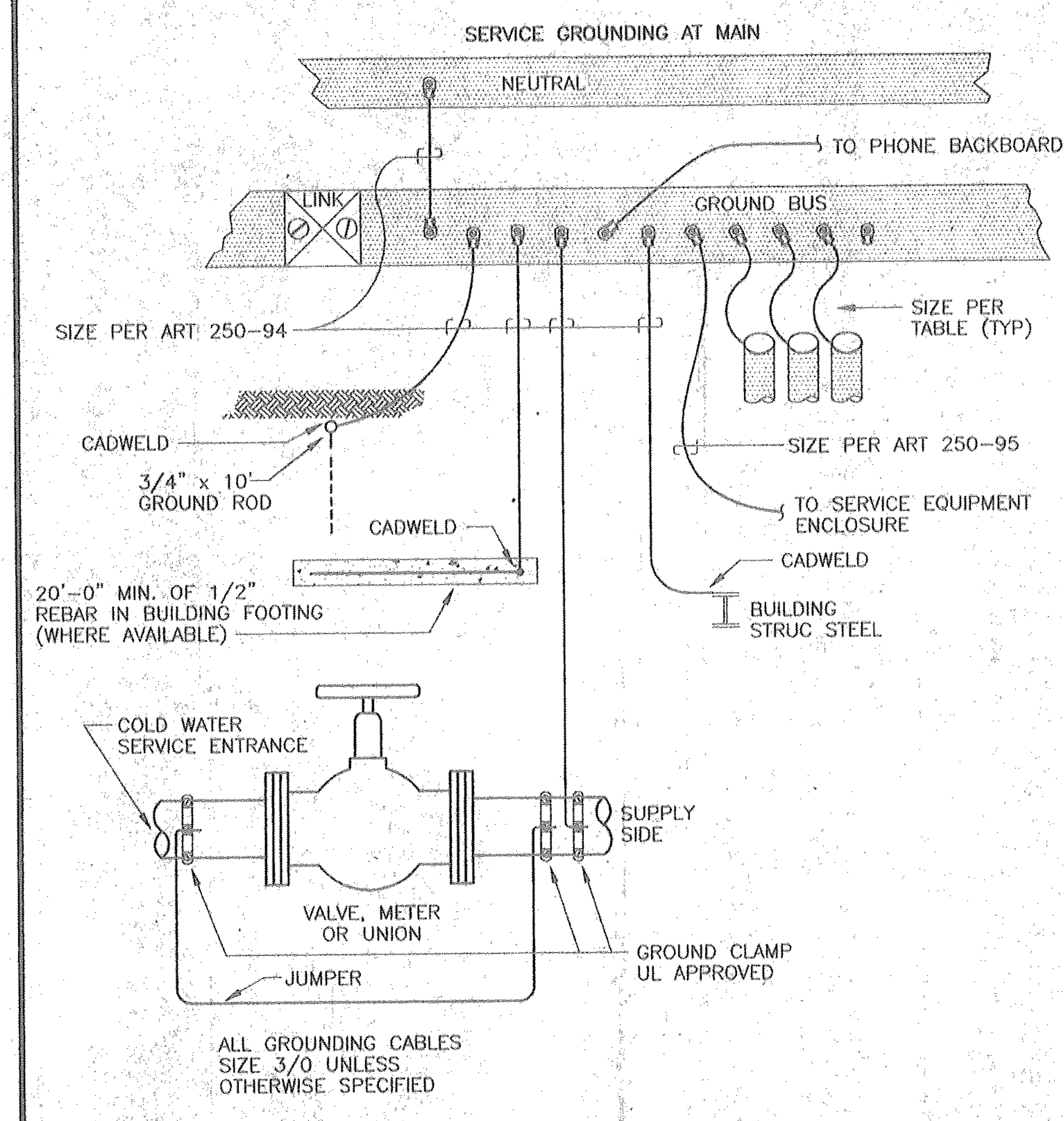

SMOKE DETECTOR (TYP)
TAMPER SWITCH (TYP)
FLOW SWITCH (TYP)
F
T
D
INITIATING DEVICE CIRCUITS
INDICATING APPLIANCE CIRCUITS
DUCT SMOKE DETECTOR (TYP)
TO AIR HANDLING UNITS
TO SECURITY SYSTEM
TO TELEPHONE BOARD
MANUAL STATION (TYP)
FIRE HORN (TYP)
VISUAL DEVICE (TYP)
ANNUNCIATOR PANEL
FIRE ALARM CONTROL PANEL
AC POWER

NOTES:

1. WIRE SIZES SHALL BE A MINIMUM OF #14 AWG (CU PAIR) FOR INITIATING DEVICE CIRCUITS, AND #12 AWG (CU PAIR) FOR INDICATING APPLIANCE CIRCUITS.
2. SYSTEM IS U.L. LISTED FOR POWER-LIMITED D.C. APPLICATIONS PER NEC 760.
3. ALL RACEWAY (WHERE INDICATED) SHALL BE MINIMUM 1/2" CONDUIT.
4. QUANTITY OF DEVICES IS SHOWN FOR SCHEMATIC PURPOSES ONLY. SEE FLOOR PLAN DRAWINGS FOR ACTUAL NUMBER OF DEVICES.
5. WHEN AN ALARM CONDITION IS DETECTED BY ONE OF THE SYSTEM INITIATING DEVICES, THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR:
   a. THE SYSTEM ALARM LED SHALL FLASH.
   b. A LOCAL SOUNDING DEVICE IN THE PANEL SHALL BE ACTIVATED.
   c. THE CORRESPONDING LED ON THE INITIATING ZONE(S) IN ALARM SHALL FLASH.
   d. ALL AUTOMATIC PROGRAMS ASSIGNED TO THE ALARM POINT SHALL BE EXECUTED PER THE MATRIX ABOVE. AS EACH INDICATING CIRCUIT OR CONTROL RELAY IS ACTIVATED, IT'S LED SHALL BE ILLUMINATED.
   e. ACTIVATE AN OUTPUT TO THE MONITORING SERVICE APPROVED BY THE LOCAL AUTHORITY.
6. TWO STOBES VISIBLE FROM SEVERAL LOCATIONS SHALL FLASH SIMULTANEOUSLY.

3
E-1
FIRE ALARM CONNECTION DETAIL
SCALE: NONE


SERVICE GROUNDING AT MAIN
NEUTRAL
TO PHONE BACKBOARDS
LINK
GROUND BUS
SIZE PER ART 250-94
SIZE PER TABLE (TYP)
CADWELD
3/4" x 10' GROUND ROD
SIZE PER ART 250-95
CADWELD
TO SERVICE EQUIPMENT ENCLOSURE
CADWELD
20'-0" MIN. OF 1/2" REBAR IN BUILDING FOOTING (WHERE AVAILABLE)
BUILDING STRUC STEEL
COLD WATER SERVICE ENTRANCE
SUPPLY SIDE
VALVE, METER OR UNION
GROUND CLAMP UL APPROVED
JUMPER
ALL GROUNDING CABLES SIZE 3/0 UNLESS OTHERWISE SPECIFIED

2
E-1
NEUTRAL/GROUNDING SYSTEM
SCALE: NONE

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	HEIGHT
D	DIMMER SWITCH, LUTRON TOUCHPLATE, 2000W	48"
$	SINGLE POLE SINGLE THROW TOGGLE SWITCH	48"
$ 3	THREE WAY TOGGLE SWITCH	48"
$ M	MOTOR RATED SWITCH	
⏀ WP	WEATHERPROOF DUPLEX RECEPTACLE OUTLET	36"
⏀ / ⏀ AC	DOUBLE DUPLEX RECEPTACLE OUTLET WALL/ABOVE COUNTER MOUNTED	16"/6"
⏀ GFI / ⏀ GFI	G.F.C.I. DUPLEX RECEPTACLE OUTLET WALL/ABOVE COUNTER MOUNTED	16"/6"
⏀	SPECIAL PURPOSE RECEPTACLE OUTLET, NEMA CONFIGURATION TO MATCH PLUG.	16"
⏀	SPLIT WIRED DUPLEX RECEPTACLE. ONE RECEPTACLE SHALL BE SWITCHED AS SHOWN ON PLANS.	16"
⏀ / ⏀	DUPLEX RECEPTACLE OUTLET, WALL MOUNTED/ABOVE COUNTER	16"/6"
⏀	TWIST-LOCK RECEPTACLE, NEMA CONFIGURATION TO MATCH PLUG	16"
X-1,3,5	ARROWHEAD INDICATES HOMERUN. X-1,3,5 ADJACENT TO HOMERUN ARROWHEADS INDICATES HOMERUN TO PANEL X CIRCUIT NUMBERS 1,3, AND 5.	
3,5	INDICATES CIRCUIT CONTINUATION OF CIRCUITS 3 AND 5 OF PANEL X.	
///	MARKS ACROSS RACEWAY SYMBOLS INDICATE THE NUMBER OF #12 CONDUCTORS, UNLESS OTHERWISE NOTED. NO MARKS INDICATES TWO #12 CONDUCTORS. EQUIPMENT GROUNDING CONDUCTORS ARE NOT INDICATED BY MARKS	
⌒	RACEWAY INSTALLED CONCEALED IN WALL AND/OR ABOVE CEILING	
- - -	RACEWAY INSTALLED CONCEALED UNDERSLAB	
—	RACEWAY INSTALLED EXPOSED	
⏚	GROUND	
~	FLEXIBLE RACEWAY (6'-0" MAX LENGTH)	
J / J / J	JUNCTION BOX, CEILING/WALL/FLOOR MOUNTED	
▭	OUTLET AND FLUORESCENT LIGHT FIXTURE – OVERHEAD MOUNTED ▭● FIXTURE WITH BATTERY BALLAST FOR ONE LAMP	
○ / ○	OUTLET AND INCANDESCENT LIGHT FIXTURE – OVERHEAD/WALL MOUNTED	
⊗ / ⊗	OUTLET AND EXIT LIGHT FIXTURE, CEILING/WALL MOUNTED. PROVIDE ARROWS AS INDICATED ON DRAWINGS	
	OUTLET AND EGRESS AND/OR EMERGENCY LIGHT FIXTURE	
D	SMOKE DETECTOR	
▬	PANELBOARD MOUNTED RECESSED IN WALL TC WALL MOUNTED TIME CLOCK	
▬	PANELBOARD MOUNTED FLUSH ON WALL	
○	MOTOR	
60/3/3R	NONFUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE	
60/3/3R/40	FUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE/FUSE RATING	
TV	TELEVISION OUTLET	16"
F	FIRE ALARM MANUAL PULL STATION	48"
F	COMBINATION FIRE ALARM HORN/SPEAKER (AS REQUIRED) WITH VISUAL DEVICE	L-1
L	FIRE ALARM VISUAL DEVICE	L-1
F	FIRE ALARM HORN/SPEAKER (AS REQUIRED)	
▼ / ▼	TELEPHONE OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTE L-2)	16"/6"
▼ / ▼	COMBINATION TELEPHONE/DATA OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTE L2)	16"/6"
▽ / ▽	DATA OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTE L2)	16"/6"

LEGEND NOTES

L-1 FIRE ALARM VISUAL DEVICE SHALL BE WALL MOUNTED 80" AFF. OR 6" BELOW CEILING, WHICHEVER IS LOWER.

L-2 STUB 3/4" CONDUIT 6" ABOVE CEILING AND TERMINATE WITH NYLON GROMMET.

ELECTRICAL GENERAL NOTES

G1 ALL EMERGENCY CIRCUITS SERVING NIGHT/EMERGENCY LIGHTING SHALL BE MINIMUM #10 AWG CONDUCTORS FOR THE ENTIRE CIRCUIT FOR 120 VOLT CIRCUITS OVER 100 FEET, AND 277 VOLT CIRCUITS OVER 200 FEET.

G2 WHEN CONDUCTOR OR CONDUIT SIZE IS INDICATED FOR BRANCH CIRCUIT HOMERUN, THE CONDUCTOR AND CONDUIT SIZE INDICATED SHALL BE USED FOR THE COMPLETE CIRCUIT.

G3 REFER TO THE APPROPRIATE DRAWINGS FOR THE EXACT LOCATION OF EQUIPMENT INSTALLED UNDER OTHER DIVISIONS OF THE DOCUMENTS WHICH REQUIRE ELECTRICAL SERVICE.

G4 CAPITAL LETTER BESIDE LIGHTING SYMBOL INDICATES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE SELECTION.

G5 EQUIPMENT GROUNDING CONDUCTORS ARE TO BE INCLUDED IN ALL RACEWAYS.

G6 REFER TO SPRINKLER FIRE PROTECTION SHOP DRAWINGS FOR ALL FLOW AND TAMPER SWITCH LOCATIONS AND CONNECTIONS FOR THE FIRE ALARM SYSTEM.

G7 REFER TO ARCHITECTURAL DOOR SCHEDULES FOR DOORS REQUIRING FIRE ALARM SYSTEM INTERFACE AND SMOKE OPERATION.

G8 FIRE ALARM STROBES WITHIN THE SAME AREA/FLOOR SHALL FLASH SIMULTANEOUSLY, IN ACCORDANCE WITH ADA JULY 1996

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	NOTES
A	1'x4" SURFACE FLUORECENT WRAPAROUND METALUX #WS232AHTS120EB18	2-32W/T8	
B	2'X2" FLUORESCENT W/ PRISMATIC LENS METALUX #2GP2U6T8A120EB18	2-U32W/T8	
C	2X2 FLUORESCENT W/ PARABOLIC LENS METALUX # 2PGAX-2U1-5/8S33I-120EB18	2-U31W/T8	
D	8" COMPACT FLUORESCENT DOWNLIGHT HALO #H7872HP/9871-C/TRAB/HB26-120V	2-26W QUAD	
E	4 1/2" INCANDESCENT DOWNLIGHT HALO #H7400T/1401C/TRR-4/HB26	100W/A-19IF	
F	4 1/2" INCANDESCENT WALL WASHER HALO #7402T/1411C/TRR-4/HB26	100W/A-19IF	
G	2'X2" RECESSED HIGH PRESURE SODIUM LUMAR # HPQDGO/GAS-P-250-120V-DL-QB-SCF-G2-LL-FTB	250W/MH	
H	EXIT LIGHT-EDGE GLOW TYPE -1 SURELITES #ELX-6-*-RM*-W	LED	

1. REFER TO "REFLECTED CEILING PLAN" FOR EXACT LOCATION OF LIGHTS
2. VERIFY CEILING TYPE PRIOR TO ORDERING LIGHTING FIXTURES.
3. PROVIDE AN "UNSWITCHED" HOT CONDUCTOR TO ALL FIXTURES WITH BATTERY BALLAST

▭● FIXTURE WITH BATTERY BALLAST FOR ONE LAMP

PANELBOARD SCHEDULE – L1

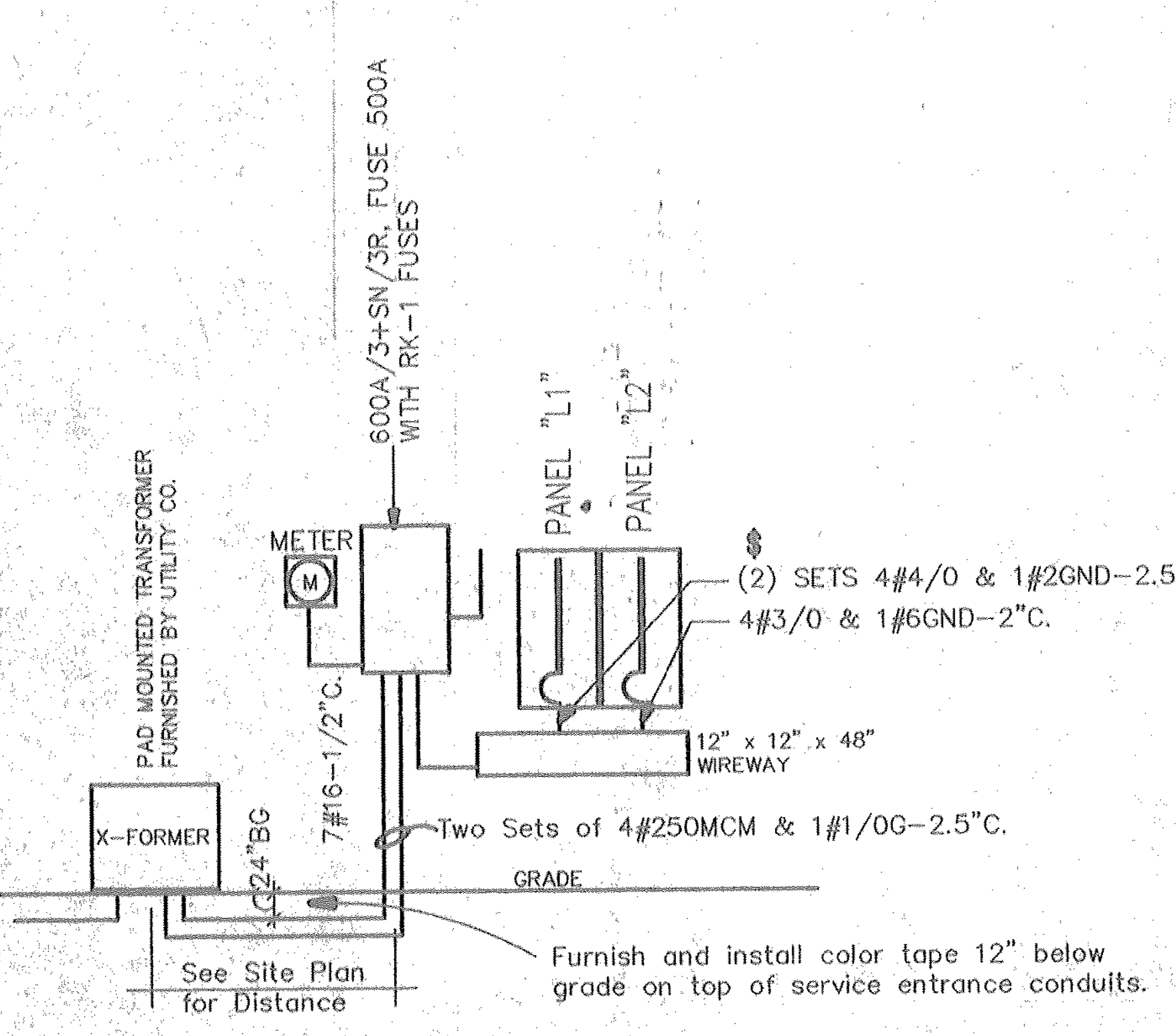
MAINS: 450A M.B. | VOLTAGE: 208Y/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CKT #	TRIP / POLE	DESCRIPTION	CONNECTED LOAD KVA			DESCRIPTION	TRIP / POLE	CKT #
			PHASE A	PHASE B	PHASE C			
1	20/1	RECEPTACLES	1.4 / 0.6			LIGHTING	20/1	2
3	20/1	RECEPTACLES		1.4 / 1.1		LIGHTING	20/1	4
5	20/1	RECEPTACLES			1.3 / 1.9	LIGHTING	20/1	6
7	20/1	RECEPTACLES	0.5 / 1.2			LIGHTING	20/1	8
9	20/1	RECEPTACLES		0.4 / 0.3		LIGHTING	20/1	10
11	20/1	RECEPTACLES			0.4 / 1.2	LIGHTING	20/1	12
13	20/1	RECEPTACLES	0.9 / 0.5			EXHAUST FAN	20/1	14
15	20/1	REFRIGERATOR		1.0 / 0.5		EXHAUST FAN	20/1	16
17	20/1	RECEPTACLES			0.9 / 0.4	RECEPTACLES	20/1	18
19	20/1	RECEPTACLES	0.4 / 1.2			SYSTEMS FURNITURE	20/1	20
21	20/1	VENDING MACHINE		1.5 / 1.2		SYSTEMS FURNITURE	20/1	22
23	20/1	VENDING MACHINE			1.5 / 1.0	PUSH BUTTON DOOR OPENER	20/1	24
25	20/1	RECEPTACLES	1.3 / 26.2			SIX COND'ING UNITS	175	26
27	20/1	RECEPTACLES		1.3 / 26.2		SIX COND'ING UNITS		28
29	20/1	RECEPTACLES			1.3 / 26.2	SIX COND'ING UNITS	3	30
31	20/1	LIGHTING	0.6 / 3.2			AHU-1-2	35	32
33	20/1	LIGHTING		1.8 / 3.2		AHU-1-2		34
35	20/1	LIGHTING			1.7 / 3.2	AHU-1-2	3	36
37	20/1	LIGHTING	1.8 / 0.8			AHU-1-1	20	38
39	20/1	LIGHTING		0.4 / 0.8		AHU-1-1	2	40
41	20/1	LIGHTING			1.7 / 1.8	AHU-2-1	20/1	42
MIN. BREAKER A.I.C.: 18,000			40.6	41.1	43.3	TOTAL CONNECTED LOAD: .		
NOTES: .						TOTAL DEMAND LOAD: .		

PANELBOARD SCHEDULE – L2

MAINS: 200A M.B. | VOLTAGE: 208Y/120 | PHASE: 3 | WIRE: 4 | MOUNTING: SURFACE

CKT #	TRIP / POLE	DESCRIPTION	CONNECTED LOAD KVA			DESCRIPTION	TRIP / POLE	CKT #
			PHASE A	PHASE B	PHASE C			
1	20/1	RECEPTACLES	0.9 / 0.8			AHU-1-3	.	2
3	20/1	RECEPTACLES		1.3 / 0.8		AHU-1-3	.	4
5	20/1	RECEPTACLES			1.3 / 0.8	AHU-2-3	.	6
7	20/1	RECEPTACLES	0.5 / 0.8			AHU-2-3	.	8
9	20/1	RECEPTACLES		1.1 / 2.3		AHU-2-2	.	10
11	20/1	RECEPTACLES			1.3 / 2.3	AHU-2-2	.	12
13	20/1	RECEPTACLES	1.4 / 2.3			AHU-2-2	.	14
15	20/1	LIGHTING		1.5 / 1.2		TOILET EXHAUST FAN	20/1	16
17	20/1	LIGHTING			1.5 / 1.2	TIME CLOCKS	20/1	18
19	20/1	LIGHTING	1.6 / 2.3			WATER HEATER	30	20
21	20/1	LIGHTING		1.7 / 2.3		WATER HEATER	2	22
23	20/1	LIGHTING			1.6 / 3.0	WATER HEATER	20/1	24
25	20/1	LIGHTING	1.6 / 1.5			EXT LIGHTS	20	26
27	20/1	LIGHTING		1.7 / 1.5		EXT LIGHTS	2	28
29	20/1	LIGHTING			0.6 / 1.5	EXT LIGHTS	20	30
31	20/1	EXHAUST FAN	0.5 / 1.5			EXT LIGHTS	2	32
33	20/1	EXHAUST FAN		0.5 / 1.0		SIGN LIGHTS	20	34
35	20/1	FAX			0.5 / 1.0	SIGN LIGHTS	2	36
37	20/1	COPIER	1.2 / 1.0			SUMP PUMP	20/1	38
39	20/1	RECEPTACLES		0.9 / 1.0		SPARE	20/1	40
41	20/1	SPARE			1.0 / 1.0	SPARE	20/1	42
MIN. BREAKER A.I.C.: 18,000			16.8	17.2	17.3	TOTAL CONNECTED LOAD: 51.3		
NOTES: .						TOTAL DEMAND LOAD: 51.3		


600A/3+SN/3R, FUSE 500A WITH RK-1 FUSES
PAD MOUNTED TRANSFORMER FURNISHED BY UTILITY CO.
METER
M
PANEL "L1"
PANEL "L2"
(2) SETS 4#4/0 & 1#2GND-2.5"C
4#3/0 & 1#6GND-2"C.
12" x 12" x 48" WIREWAY
X-FORMER
24" BG
7#16-1/2"C.
Two Sets of 4#250MCM & 1#1/0G-2.5"C.
GRADE
See Site Plan for Distance
Furnish and install color tape 12" below grade on top of service entrance conduits.

1
E-1
ONE LINE DIAGRAM
SCALE: N. T. S.

97211

NOTES

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1220 Royal Drive, Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3979
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
1325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
FIRST FLOOR PLAN
LIGHTING

PROJECT NO.
9708

CAD FILE NO.
97211E1

PLOT DATE

DATE
SEPT. 15, 1997

DRAWN BY

CHECKED BY

SHEET NO.
E-1
OF

FOR CONSTRUCTION

REVISIONS

Brewer & Skala Engineers, Inc.
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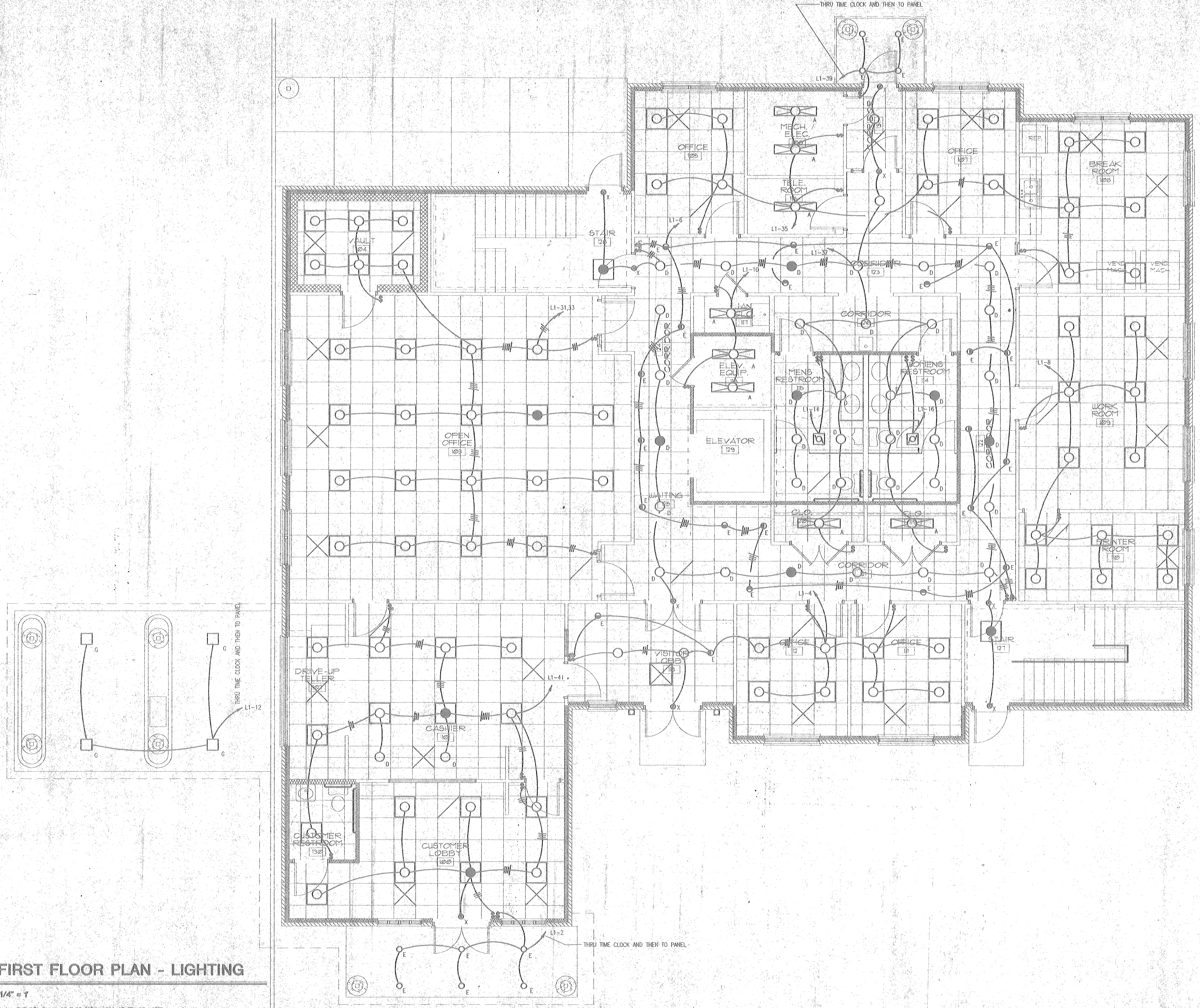
THRU TIME CLOCK AND THEN TO PANEL
L1-39
OFFICE
125
MECH. ELEC.
TELE. ROOM
OFFICE
127
BREAK ROOM
128
VAULT
104
STAIR
126
L1-6
L1-35
L1-37
L1-10
CORRIDOR
123
VEND MACH.
JAN. CLO.
117
L1-31,33
CORRIDOR
ELEV. EQUIP.
MENS RESTROOM
WOMENS RESTROOM
L1-14
L1-16
L1-8
OPEN OFFICE
103
ELEVATOR
129
WORK ROOM
WAITING
CLO.
CLO.
PRINTER ROOM
CORRIDOR
L1-4
L1-12
THRU TIME CLOCK AND THEN TO PANEL
DRIVE-UP TELLER
L1-41
VISITOR LOBBY
OFFICE
112
OFFICE
111
STAIR
121
CASHIER
CUSTOMER RESTROOM
CUSTOMER LOBBY
100
L1-2
THRU TIME CLOCK AND THEN TO PANEL

FIRST FLOOR PLAN - LIGHTING

1/4" = 1'

* ALL FIXTURES SHALL BE TYPE "B" UNLESS OTHERWISE NOTED.

NOTES

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Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3077 FACSIMILE (770) 929-3979
ELECTRONIC MAIL: DAAINC@JUNO.COM

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11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
FIRST FLOOR PLAN
LIGHTING

PROJECT NO.
9708

CAD FILE NO.
97211E2

PLOT DATE

DATE
SEPT. 15, 1997

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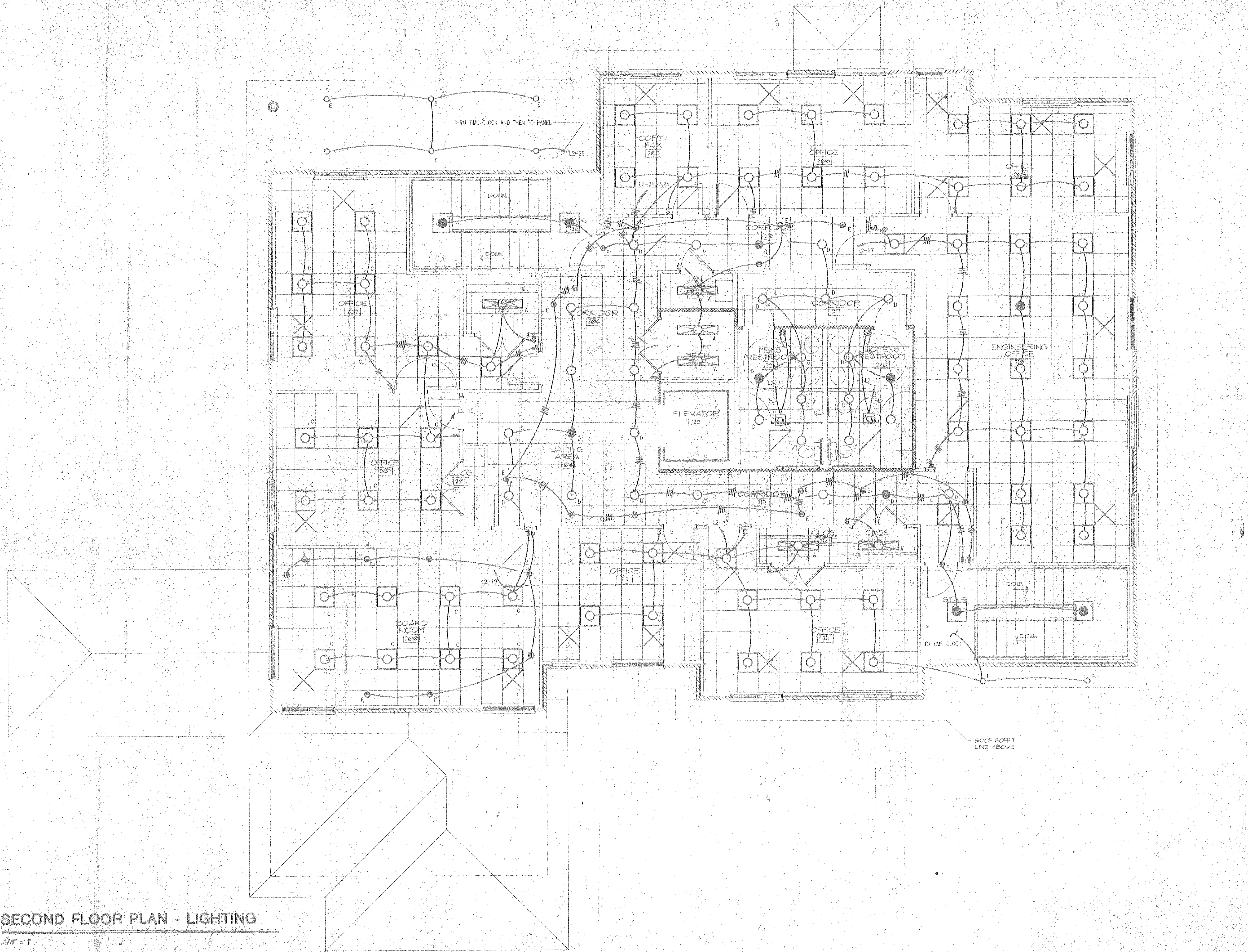
MODEM (770)447-8167

1997
OFFICE BUILDING
NCWSA

97211

NOTES


THRU TIME CLOCK AND THEN TO PANEL
L2-29
COPY/FAX 207
OFFICE 208
OFFICE 209
STAIR 218
DOWN
CORRIDOR 216
L2-21,23,25
L2-27
OFFICE 202
STOR 217
CORRIDOR 206
JAN CLOS
MECH
CORRIDOR 214
MENS RESTROOM 221
WOMENS RESTROOM 220
ENGINEERING OFFICE 210
L2-31
L2-33
ELEVATOR 219
L2-15
OFFICE 201
CLOS 205
WAITING AREA 204
CORRIDOR 215
L2-17
CLOS 214
CLOS 213
L2-19
BOARD ROOM 200
OFFICE 212
OFFICE 211
STAIR
TO TIME CLOCK
ROOF SOFFIT LINE ABOVE

SECOND FLOOR PLAN - LIGHTING

1/4" = 1'

* ALL FIXTURES SHALL BE TYPE "B" UNLESS OTHERWISE MARKED
REFER TO "REFLECTED CEILING PLAN" FOR EXACT LOCATION OF LIGHTS

PROJECT NORTH

N

F:\1997\97211\ELEC\97211E3 08/19/97 13:59:59

Brewer & Skala Engineers, Inc.
6030-P UNITY DRIVE, NORCROSS, GA 30071
PHONE (770)447-5547 FAX (770)448-0262
MODEM (770)447-8167

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Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 922-3077 FACSIMILE (770) 922-3078
ELECTRONIC MAIL: DAA@COLUND.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
SECOND FLOOR PLAN
LIGHTING

PROJECT NO.
9708

CAD FILE NO.
97211E3

PLOT DATE

DATE
SEPT. 15, 1997

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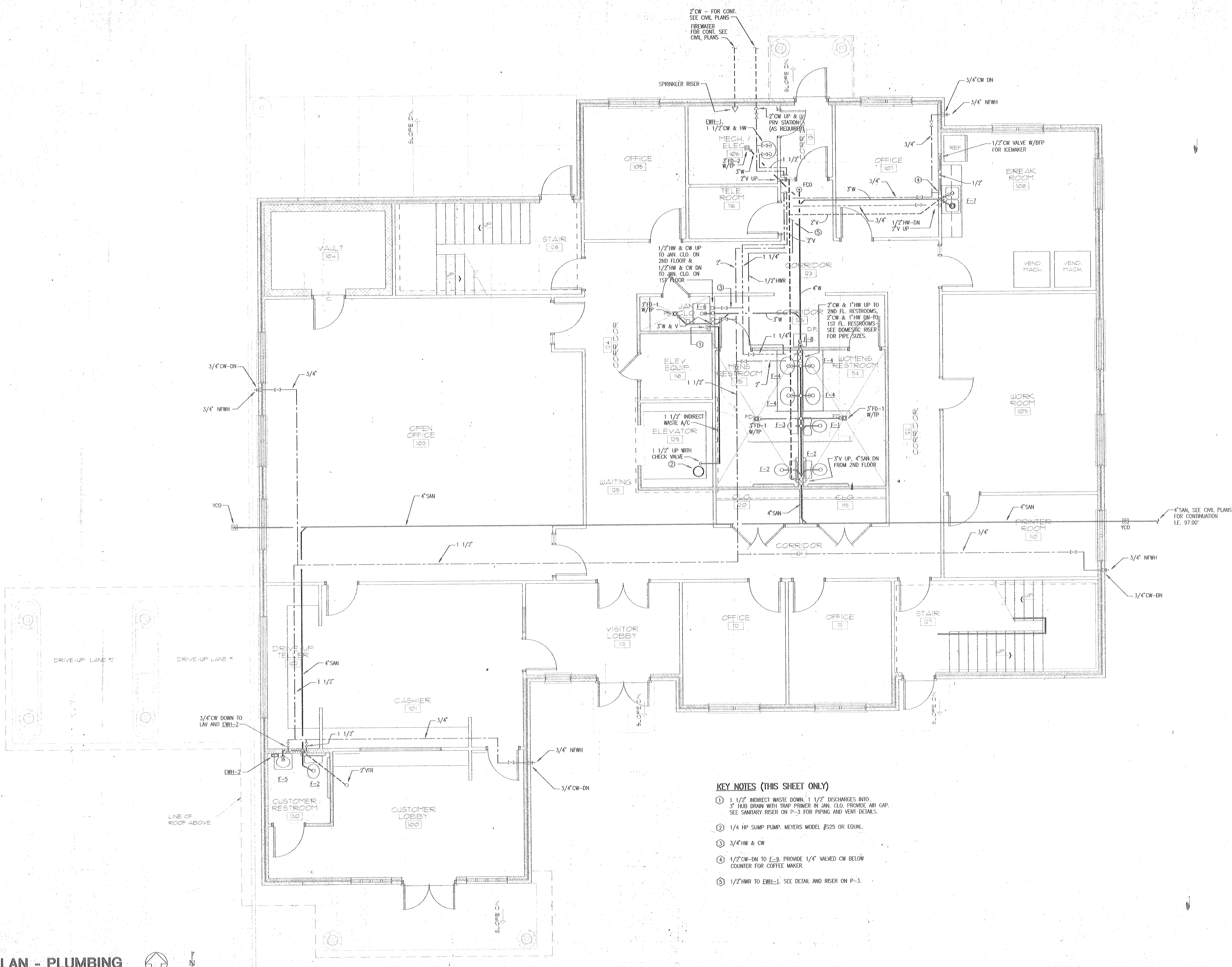
2"CW - FOR CONT. SEE CIVIL PLANS
FIREWATER FOR CONT. SEE CIVIL PLANS
SPRINKLER RISER
SLOPE DN
EWH-1, 1 1/2"CW & HW
2"CW UP & PRV STATION (AS REQUIRED)
MECH. / ELEC. 106
3"FD-2 W/TP
3"W
2"V UP
1 1/2"
OFFICE 105
TELE ROOM 116
FCO
3/4"CW DN
3/4" NFWH
3/4"
1/2"CW VALVE W/BFP FOR ICEMAKER
REF
OFFICE 107
BREAK ROOM 108
3"W
3/4"
④
1/2"
F-7
2"V
⑤
1/2"HW-DN 2"V UP
VEND. MACH.
VEND. MACH.
VAULT 104
STAIR 128
1/2"HW & CW UP TO JAN. CLO. ON 2ND FLOOR & 1/2"HW & CW DN TO JAN. CLO. ON 1ST FLOOR
2"
1 1/4"
1/2"HWR
CORRIDOR 123
4"W
③
3"FD-1 W/TP
JAN. CLO. 117
F-6
3"W & V
3"W
CORRIDOR 126
DF
2"CW & 1"HW UP TO 2ND FL. RESTROOMS, 2"CW & 1"HW DN TO 1ST FL. RESTROOMS. SEE DOMESTIC RISER FOR PIPE SIZES.
F-8
①
CORRIDOR 124
ELEV. EQUIP. 118
1 1/2"
MENS RESTROOM 115
WOMENS RESTROOM 114
F-4
2"
FD
3"FD-1 W/TP
F-3
F-1
3"FD-1 W/TP
1 1/2" INDIRECT WASTE A/C
ELEVATOR 129
1 1/2" UP WITH CHECK VALVE
②
F-2
F-2
3"V UP, 4"SAN DN FROM 2ND FLOOR
WAITING 125
CLO. 120
CLO. 119
4"SAN
CORRIDOR 122
WORK ROOM 109
3/4"CW-DN
3/4"
3/4" NFWH
OPEN OFFICE 103
YCO
4"SAN
4"SAN, SEE CIVIL PLANS FOR CONTINUATION I.E. 97.00'
YCO
4"SAN
PRINTER ROOM 110
3/4"
1 1/2"
CORRIDOR 121
3/4" NFWH
3/4"CW-DN
OFFICE 112
OFFICE 111
STAIR 127
UP
VISITOR LOBBY 113
DRIVE-UP LANE #2
DRIVE-UP LANE #1
DRIVE-UP TELLER 102
4"SAN
1 1/2"
CASHIER 101
3/4"CW DOWN TO LAV AND EWH-2
1 1/2"
3/4"
3/4" NFWH
3/4"CW-DN
EWH-2
F-5
F-2
2"VTR
CUSTOMER RESTROOM 130
CUSTOMER LOBBY 100
LINE OF ROOF ABOVE
SLOPE DN

KEY NOTES (THIS SHEET ONLY)

① 1 1/2" INDIRECT WASTE DOWN. 1 1/2" DISCHARGES INTO 3" HUB DRAIN WITH TRAP PRIMER IN JAN. CLO. PROVIDE AIR GAP. SEE SANITARY RISER ON P-3 FOR PIPING AND VENT DETAILS.

② 1/4 HP SUMP PUMP. MEYERS MODEL #S25 OR EQUAL.

③ 3/4"HW & CW

④ 1/2"CW-DN TO F-9. PROVIDE 1/4" VALVED CW BELOW COUNTER FOR COFFEE MAKER.

⑤ 1/2"HWR TO EWH-1. SEE DETAIL AND RISER ON P-3.

FIRST FLOOR PLAN - PLUMBING

1/4" = 1'

PROJECT NORTH

TRUE NORTH

Brewer & Skala Engineers, Inc.
6030-P UNITY DRIVE, NORCROSS, GA 30071
PHONE (770)447-5547 FAX (770)448-0262
MODEM (770)447-8167

REVISIONS

NOTES

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GERALD M. SKALA

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(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
1325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
FIRST FLOOR PLAN
PLUMBING

PROJECT NO.	9708
CAD FILE NO.	97211P1
PLOT DATE	
DATE	SEPT. 15, 1997
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SHEET NO.	P-1
OF	

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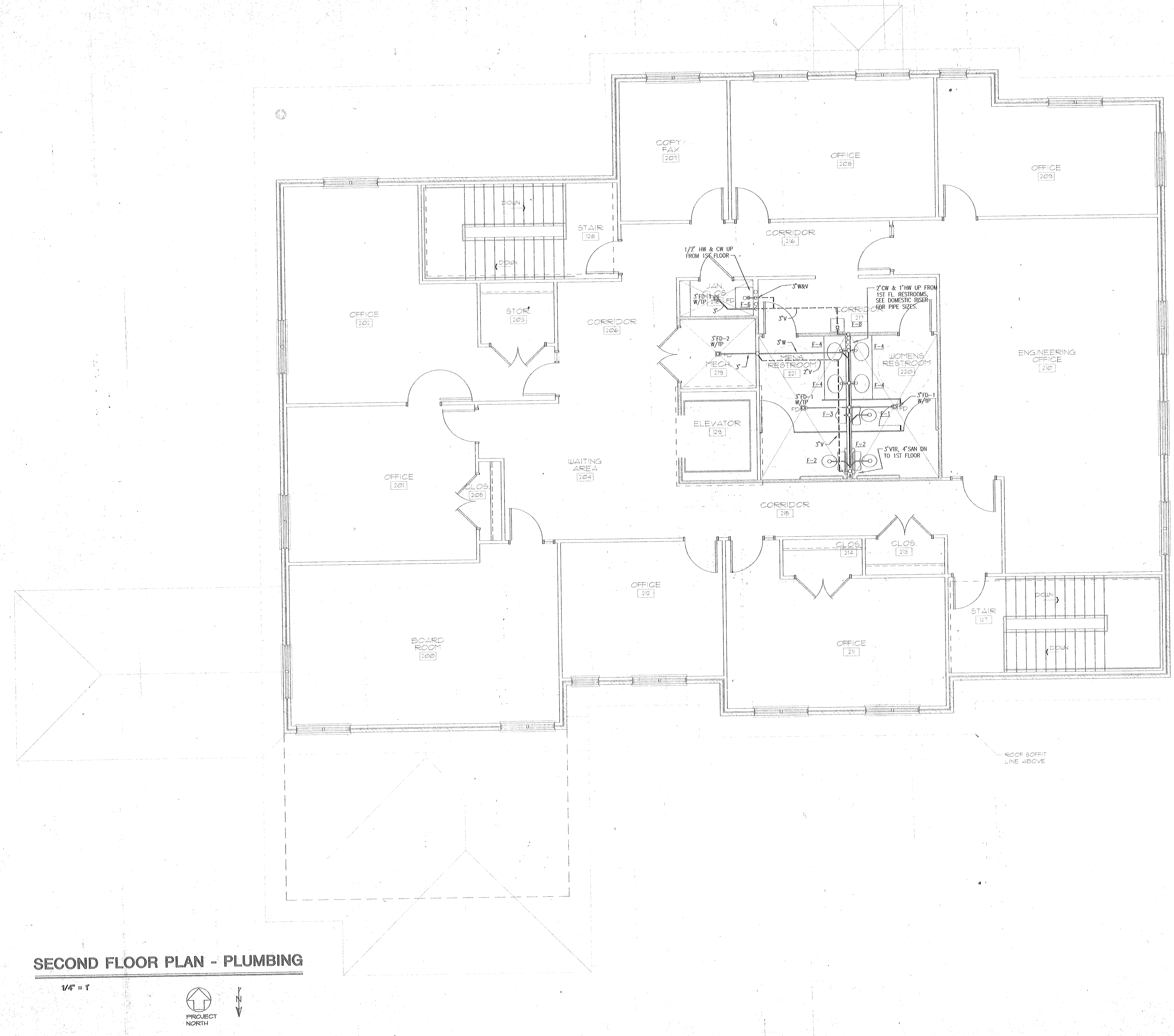
NOTES



COPY/FAX 207
OFFICE 208
OFFICE 209
STAIR 128
DOWN
CORRIDOR 216
1/2" HW & CW UP FROM 1ST FLOOR
JAN. CLOS. 218
3"FD-1 W/TP
FD
F-6
3" W&V
3"
3"V
2"CW & 1"HW UP FROM 1ST FL. RESTROOMS, SEE DOMESTIC RISER FOR PIPE SIZES.
CORRIDOR 217
F-8
OFFICE 202
STOR 203
CORRIDOR 206
3"FD-2 W/TP
MECH. 219
3"W
F-4
MENS RESTROOM 221
2"V
WOMENS RESTROOM 220
3"FD-1 W/TP
F-3
F-1
3"V
F-2
3"VTR, 4"SAN DN TO 1ST FLOOR
ENGINEERING OFFICE 210
ELEVATOR 129
OFFICE 201
CLOS 205
WAITING AREA 204
CORRIDOR 215
CLOS 214
CLOS 213
OFFICE 212
OFFICE 211
STAIR 127
BOARD ROOM 200
ROOF SOFFIT LINE ABOVE
PROJECT NORTH
N

SECOND FLOOR PLAN - PLUMBING

1/4" = 1'

SEAL

GEORGIA REGISTERED PROFESSIONAL ENGINEER GERALD M. SKALA

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(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

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11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
SECOND FLOOR PLAN
PLUMBING

PROJECT NO.	9708
CAD FILE NO.	97211P2
PLOT DATE	
DATE	SEPT. 15, 1997
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SHEET NO.	P-2
OF	

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6030-P UNITY DRIVE, NORCROSS, GA 30071
PHONE (770)447-5547 FAX (770)448-0262
MODEM (770)447-8167

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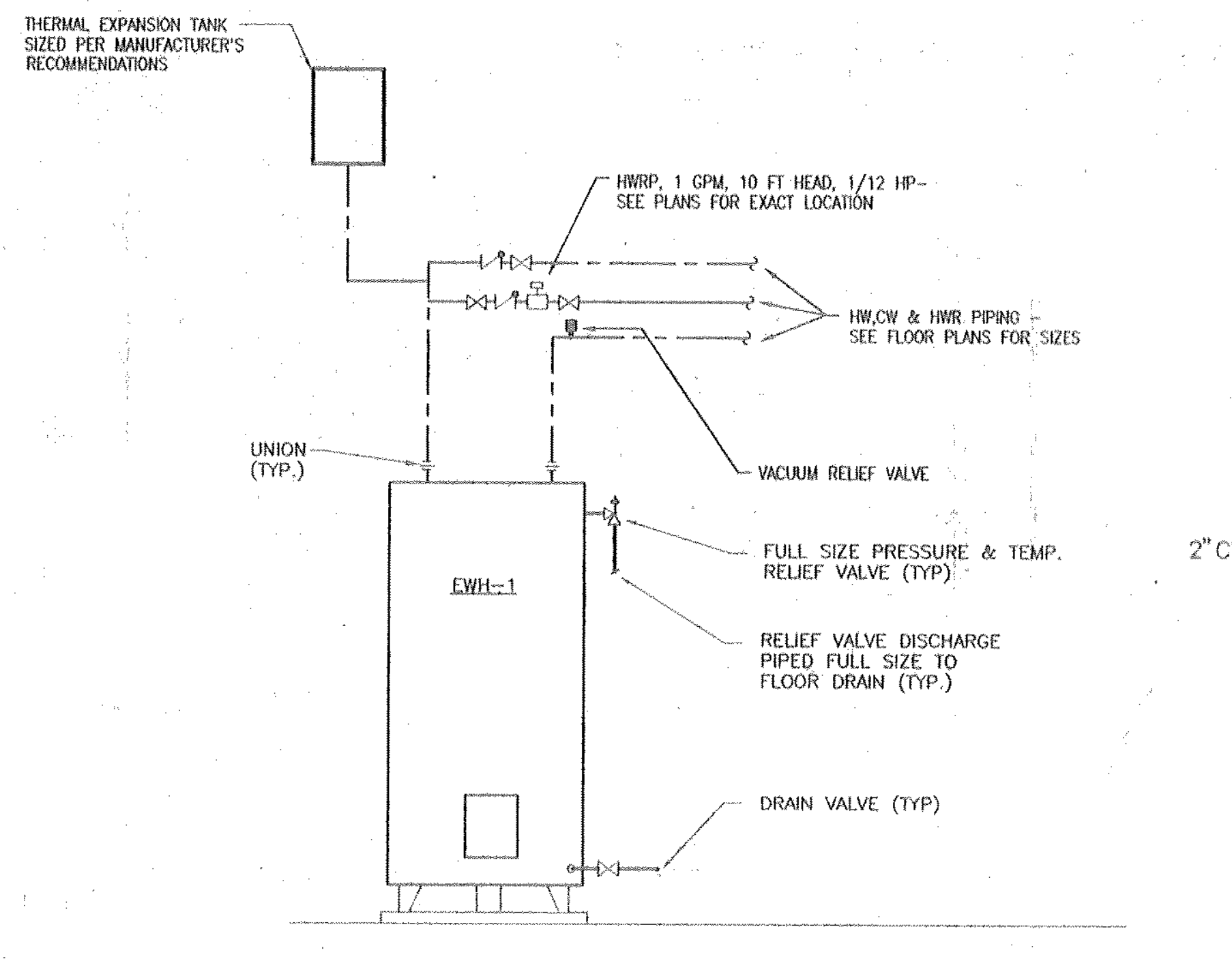
NOTES

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	ABV	ABOVE
	A/C	ABOVE CEILING
	A/F	ABOVE FLOOR
	BFP	BACK FLOW PREVENTER
	BEL	BELOW
	B/F	BELOW FLOOR
	B/G	BELOW GRADE
	CT	COUNTER TOP
	CV	CHECK VALVE
	CO	CLEANOUT
	CW	COLD WATER PIPING
	DN	PIPING TURNING DOWN
	F	FIRE PROTECTION WATER SUPPLY
	FCO	FLOOR CLEANOUT
	HD	HUB DRAIN
	FD	FLOOR DRAIN
	HC	HANDICAPPED
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
	HB	HOSE BIBB
	----	P-TRAP
	O/H	OVER HEAD
	PRV	PRESSURE REDUCING VALVE
	S,W	SOIL, WASTE PIPING (ABOVE GROUND)
	S,W	SOIL, WAST PIPING (BELOW GROUND)
	UP	PIPING TURNING UP
	V	VENT PIPING
	VTR	VENT THRU ROOF
	WCO	WALL CLEANOUT
	WH	WALL HYDRANT
	NFWH	NON-FREEZE WALL HYDRANT
	YCO	YARD CLEANOUT
	TPV	TEMPERATURE-PRESSUE RELIEF VALVE
	----	UNION

FIRE PROTECTION NOTES

1. SPRINKLER HEADS INSTALLED IN LAY-IN ACOUSTICAL TILE CEILINGS SHALL BE CENTERED IN THE CEILING TILES OR INSTALLED ON QUARTER POINTS OF THE FOUR FOOT DIMENSIONS OF 2' X 4' TILES.
2. ALL FIRE PROTECTION WORK SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF NFPA STANDARDS AND SHALL MEET THE APPROVAL OF THE OWNER'S INSURANCE UNDERWRITER, IRI, AND LOCAL AUTHORITIES HAVING JURISDICTION.
3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY FIRE PROTECTION EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: SPRINKLER DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER OR EQUIVALENT CONTRACTOR'S FIRE SPRINKLER CERTIFICATE SEAL AND APPROVAL STAMP OF LOCAL CODE AUTHORITY; SPRINKLER PIPING; SPRINKLER HEADS; HYDRANTS AND VALVES; AND ACCESSORIES. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER'S INSURANCE UNDERWRITER PRIOR TO BEING SUBMITTED TO THE ARCHITECT.
4. CONTRACTOR SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
5. ALL FIRE PROTECTION EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
6. ALL FIRE PROTECTION EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE.
7. ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.
8. ALL SPRINKLER SYSTEMS SHALL BE DESIGNED TO THE AVAILABLE CITY WATER SUPPLY. CONTRACTOR SHALL HAVE A CURRENT FLOW TEST PERFORMED PRIOR TO DESIGN.
9. ALL SPRINKLER SYSTEM RISERS SHALL INCLUDE AN ALARM-CHECK VALVE, WATER MOTOR GONG, FLOW SWITCH, ETC.
10. HYDRAULIC CALCULATIONS SHALL INCLUDE AN ALLOWANCE OF 100 GPM FOR INSIDE AND OUTSIDE HOSE STREAMS.
11. ALL MAJOR VALVES SHALL HAVE U.L. LISTED SUPERVISORY SWITCHES COMPATIBLE WITH THE OWNER'S CENTRAL ALARM SYSTEM. WIRING OF THE SWITCHES SHALL BE BY OTHERS.
12. GROOVED (VICTAULIC) COUPLINGS SHALL NOT BE USED OVER OR NEAR ELECTRICAL SWITCHGEAR, PANELS, TRANSFORMERS, ETC.
13. ALL SPRINKLER PIPING SHALL BE ROUTED TO MAINTAIN MINIMUM CLEAR HEIGHTS INDICATED ON ARCHITECTURAL DRAWINGS.


THERMAL EXPANSION TANK SIZED PER MANUFACTURER'S RECOMMENDATIONS
HWRP, 1 GPM, 10 FT HEAD, 1/12 HP- SEE PLANS FOR EXACT LOCATION
HW,CW & HWR PIPING - SEE FLOOR PLANS FOR SIZES
UNION (TYP.)
VACUUM RELIEF VALVE
EWH-1
FULL SIZE PRESSURE & TEMP. RELIEF VALVE (TYP)
RELIEF VALVE DISCHARGE PIPED FULL SIZE TO FLOOR DRAIN (TYP.)
DRAIN VALVE (TYP)

NOTE: THIS DETAIL APPLIES TO EWH-1 ONLY.

DETAIL: ELECTRIC WATER HEATER
NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

UNLESS OTHERWISE INDICATED, NUMBERS ARE AMERICAN STANDARD. EQUAL PRODUCTS: KOHLER, CRANE, ELJER, OLSONITE, SPERZEL, DELTA, MANSFIELD, SIMMONS, BRADLEY, GERBER, CENTOCO, HALSEY TAYLOR, FIAT, STERN-WILLIAMS, ZURN, DELANY, CHURCH, BENEKE.

F-1 WATER CLOSET - FLOOR MOUNTED - FLUSH VALVE - ELONGATED OPEN FRONT SEAT LESS COVER: AMERICAN STANDARD 2234.015 1.5 GPF WATER SAVER MADERA, ELONGATED BOWL, SIPHON JET ACTION WITH 1-1/2" TOP SPUD. SLOAN ROYAL #111 FLUSH VALVE, BEMIS 1655-C HEAVY DUTY SOLID PLASTIC ELONGATED OPEN FRONT SEAT WITH CHECK HINGE, TWO BOLT CAPS 481310-100.

F-2 WATER CLOSET - FLOOR MOUNTED - FLUSH VALVE - HANDICAPPED OPEN FRONT LESS COVER: AMERICAN STANDARD 3043.102 1.5 gpf ELONGATED WATER SAVER CADET - 18" HIGH WITH 1-1/2" TOP SPUD, ELONGATED, SIPHON JET ACTION. SLOAN ROYAL 111 FLUSH VALVE, BEMIS 1655-C HEAVY DUTY SOLID PLASTIC ELONGATED OPEN FRONT SEAT WITH CHECK HINGE. TWO BOLT CAPS 481310-100.

F-3 URINAL - WALL HUNG - HANDICAPPED: AMERICAN STANDARD 6540.017 ALLBROOK VITREOUS CHINA WALL HUNG, SIPHON JET URINAL, WITH 1-1/4" TOP SPUD, 2" OUTLET CONNECTION, WALL HANGER, BOLTS AND WASHERS. SLOAN ROYAL 180-1 FLUSH VALVE.

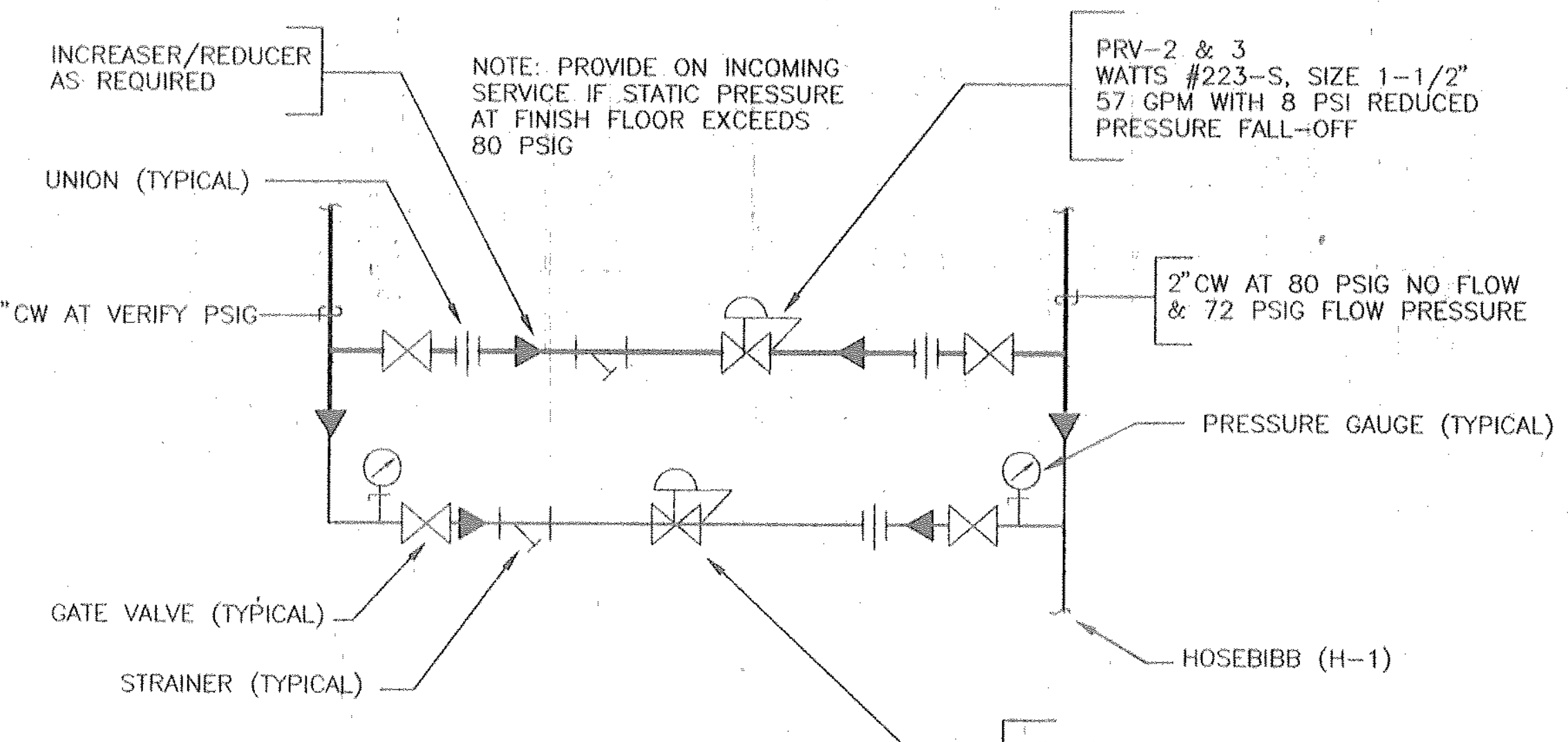
F-4 LAVATORY - COUNTERTOP - SINGLE LEVER - POP-UP DRAIN:
AMERICAN STANDARD 0476.028 AQUALYN VITREOUS CHINA SELF-RIMMING 20" X 17" LAVATORY PUNCHED ON 4" CENTERS. DELTA MODEL 520 SINGLE LEVER FAUCET WITH AERATOR, POP-UP DRAIN, 1/2" MALE THREADED CONNECTORS, MCGUIRE 167 CHROME PLATED ANGLE SUPPLY WITH 1/2" O.D. X 12" FLEXIBLE RISER AND 3/8" I.P.S. X 1/2" O.D. WHEEL HANDLE STOP WITH WROUGHT ESCUTCHEON, MCGUIRE 8872 P-TRAP 1-1/4" X 1-1/4" WITH CAST BRASS NUTS AND CLEANOUT PLUG.

F-5 LAVATORY - WALL HUNG - WHEEL CHAIR TYPE 20" X 27":
AMERICAN STANDARD 9140.013 WHEEL CHAIR LAVATORY, VITREOUS CHINA, FRONT OVERFLOW, BACK APRON ARRANGED FOR CONCEALED ARM CARRIER. HERITAGE 2238.129 GOOSENECK FAUCET WITH 4" WRIST CONTROLS, STRAIGHT TAILPIECE 2340.016, MCGUIRE 158 WC WHEEL CHAIR LAVATORY SUPPLY WITH LOOSE KEY STRAIGHT STOP AND WALL FLANGE 3/8" I.P.S. WITH 3/8" X 1/4" REDUCER. AMERICAN STANDARD 7723.018 CAST GRID DRAIN ASSEMBLY, MCGUIRE 8872 P-TRAP 1-1/4" WITH CLEANOUT PLUG. CARRIER BY JOSAM, SMITH, ZURN OR WADE AS REQUIRED.

F-6 MOP SINK - MOLDED STONE:
FIAT #MSB-2424, 24" SQUARE x 10" HIGH, WITH #830-AA FAUCET, #832-AA-30 HOSE AND BRACKET, #889-CC-24" MOP HANGER, #E-77-AA VINYL BUMPERGUARD, #833-AA SILICONE SEALANT. EQUAL BY STERN-WILLIAMS.

F-7 KITCHEN SINK - TWO COMPARTMENT - SINGLE LEVER FAUCET:
ELKAY DAYTON MODEL D-23322 OR EQUAL, 33" X 22" 304SS, 20 GAUGE MINIMUM WITH 3 FAUCET HOLES ON 4-INCH CENTERS. UNIT COMPLETE WITH DELTA MODEL 100 SINGLE LEVER FAUCET; K-8801 AND K-8807 DUO-STRAINERS; P-TRAP; AND 3/8" ANGLE SUPPLIES WITH STOPS. DISPOSAL WILL BE FURNISHED UNDER ARCHITECTURAL SECTION, INSTALLED BY PLUMBER.

F-8 ELECTRIC WATER COOLER - HANDICAPPED:
OASIS MODEL P8AM HANDICAPPED WATER COOLER WITH REFRIGERATION SYSTEM, STAINLESS STEEL BOWL, BUBBLER, HAND OPERATING CONTROL AND ANGLE SUPPLY WITH STOP; KOHLER K-9000 SERIES OR EQUAL; 1-1/4" P-TRAP; JAY R. SMITH OR EQUAL COOLER CARRIER.



NOTE: PROVIDE ON INCOMING SERVICE IF STATIC PRESSURE AT FINISH FLOOR EXCEEDS 80 PSIG

PRV-2 & 3
WATTS #223-S, SIZE 1-1/2"
57 GPM WITH 8 PSI REDUCED PRESSURE FALL-OFF

2"CW AT 80 PSIG NO FLOW & 72 PSIG FLOW PRESSURE

PRV-2 & 3
WATTS #USEL SIZE 1"
10 GPM WITH 5 PSI REDUCED PRESSURE FALL-OFF

PRESSURE REDUCING STATION DETAIL
NOT TO SCALE

DRAINAGE PRODUCTS

UNLESS OTHERWISE INDICATED NUMBERS ARE JAY R. SMITH. EQUAL PRODUCTS: ZURN, JOSAM AND WADE.

CO-EXPOSED CLEANOUT - UNFINISHED AREAS
JAY R. SMITH FIG. 4470 CAST BRONZE COUNTERSUNK PLUG WITH SLOT TO RECEIVE 1/2" THICK STEEL BAR STOCK.

WCO-WALL CLEANOUT - FINISHED AREAS
JAY R. SMITH FIG. 4436 C.I. FERRULE FOR NO HUB OR SERVICE WEIGHT PIPE, NICKEL BRONZE ROUND FRAME AND COVER WITH SECURING SCREWS.

FCO-CONCRETE FLOORS
JAY R. SMITH FIG. 4238L C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND CAST IRON TOP WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

FCO-TILE FLOORS
JAY R. SMITH FIG. 4151 C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG FOR EASY REMOVAL, ADJUSTABLE ROUND NICKEL BRONZE TOP RECESSED FOR TILE WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

FCO-CARPETED FLOORS
JAY R. SMITH FIG. 4031-Y C.I. CLEANOUT WITH GASKET SEAL THREADED PLUG, ADJUSTABLE ROUND NICKEL BRONZE TOP COMPLETE WITH STAINLESS STEEL CARPET MARKER WITH SECURING SCREW, SPEEDI-SET OUTLET CONNECTION.

YCO-EXTERIOR PAVED/CONCRETE AREAS
JAY R. SMITH FIG. 4261-U C.I. FLANGED HOUSING WITH HEAVY DUTY C.I. COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, V.P. SCREWS IN COVER.

YCO-EXTERIOR UNSURFACED AREAS
SAME AS FOR PAVED/CONCRETE AREAS EXCEPT CLEANOUT SHALL BE SET IN 24" X 12" CONCRETE PAD FLUSH WITH SURFACE.

FD-1-FLOOR DRAINS-TOILET ROOM
JAY R. SMITH FIG. 2005-A6-P-94 C.I. FLOOR DRAIN WITH 6" DIAMETER NICKEL BRONZE STRAINER, SPEEDI-SET OUTLET CONNECTION AND TRAP PRIMER CONNECTION.

FD-2-FLOOR DRAINS-GENERAL PURPOSE/MECHANICAL ROOM
JAY R. SMITH FIG. 2220-94 CAST IRON 8-1/2" DIAMETER DRAIN WITH "SAFE-SET" BUCKET, C.I. GRATE, SPEEDI-SET OUTLET CONNECTION.

LAVATORY-WALL HUNG SUPPORT
JAY R. SMITH #700 FOR MASONRY WALLS AND #700-M31 FOR METAL STUD WALLS.

TP-AUTOMATIC TRAP PRIMER
JAY R. SMITH FIG. 2699 CAST BRONZE TRAP PRIMER WITH AIR PORTS ON THE BODY TO PREVENT SIPHONAGE OF TRAP WATER. USE WHEN FD OR HD ARE REMOTELY LOCATED OR ABOVE THE CEILING.

TP-TRAP PRIMER
JAY R. SMITH FIG. 2698 WATER SAVER TRAP PRIMER WITH 1-1/4" INLET AND OUTLET, 17 GAUGE SATIN CHROME-PLATED P-TRAP. MAY BE USED WHEN FD OR HD ARE CLOSE TO FIXTURE.

WATER HAMMER ARRESTORS
JAY R. SMITH 5000 SERIES ALL STAINLESS STEEL "HYDROTROLS" ON BOTH COLD AND HOT WATER LINES. INSTALL IN AN UPRIGHT POSITION AT ALL QUICK CLOSING VALVES, SOLENOIDS AND PLUMBING FIXTURES. LOCATE AND SIZE AS INDICATED ON DRAWINGS. WHERE NOT SHOWN ON DRAWINGS, LOCATE AND SIZE IN ACCORDANCE WITH P.D.I. STANDARD WH-201.

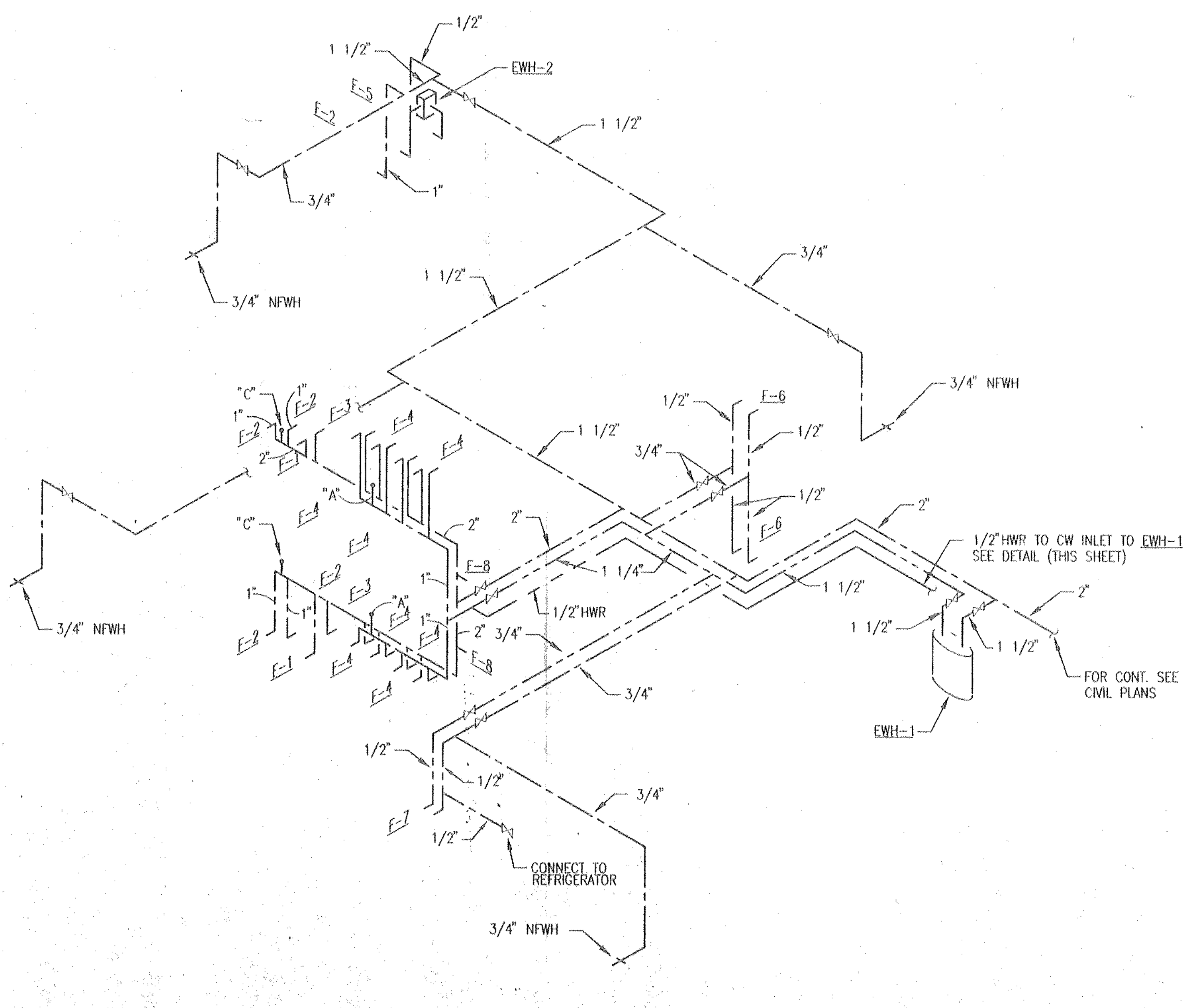
WH-WALL HYDRANT-EXPOSED
JAY R. SMITH FIG. 5609 NON FREEZE 3/4" CAST BRONZE HYDRANT WITH BRONZE CASING, INTEGRAL VACUUM BREAKER, CHROME-PLATED FACE, AND SIZED IN ACCORDANCE WITH WALL THICKNESS.

YARD HYDRANTS-NON FREEZE BOX TYPE
JAY R. SMITH FIG. 5810-VB NON FREEZE 3/4" WITH BRONZE CASING, ROUGH BRONZE BOX, VACUUM BREAKER, 2' DEPTH OF BURY.

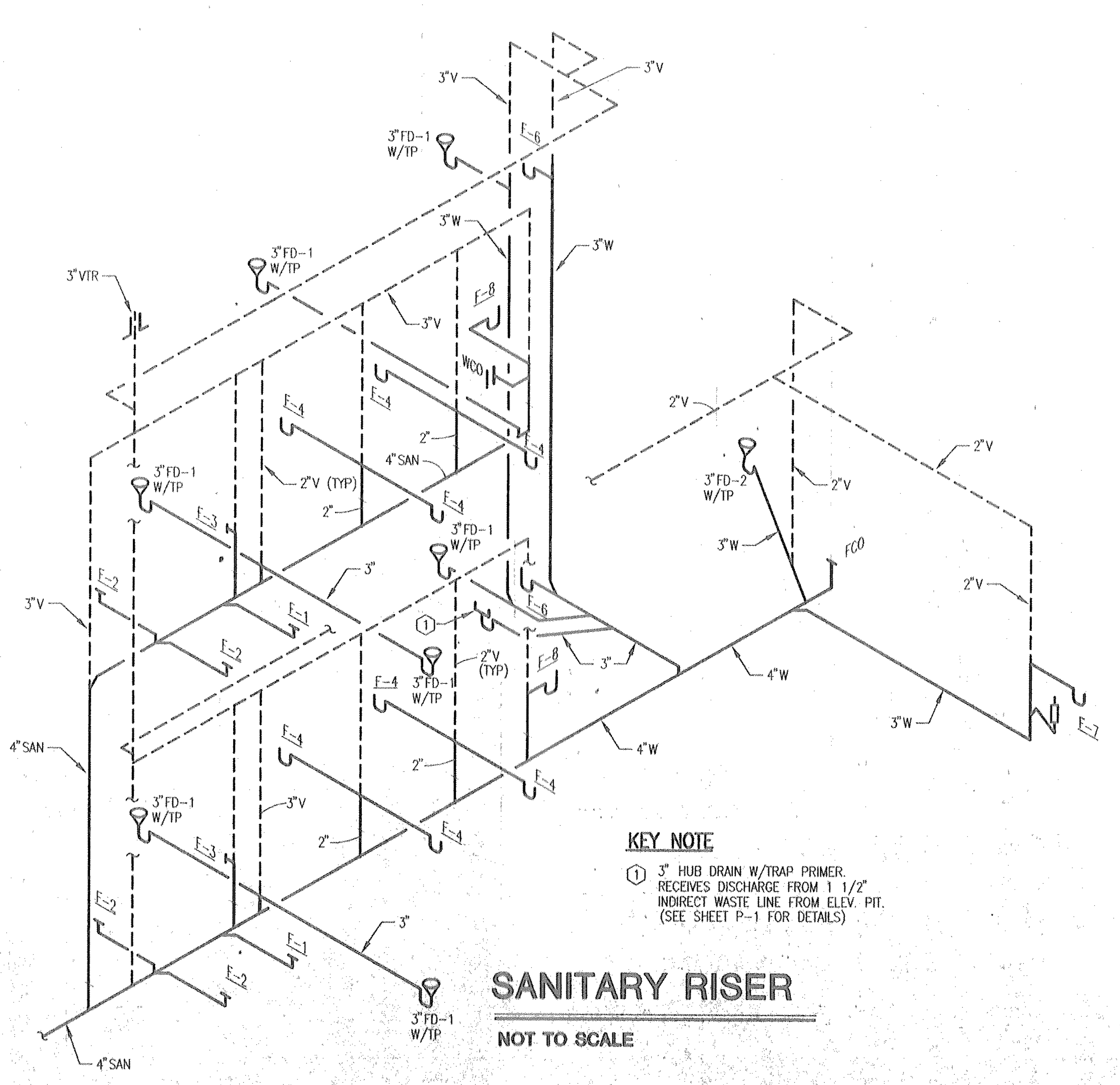
ELECTRIC WATER COOLERS-WALL HUNG
JAY R. SMITH FIG. 830 SUPPORT WITH UPRIGHTS OF HIGH STRENGTH STEEL WITH WELDED BASES BOLTED TO FLOOR. FOR STEEL STUD WALLS, USE M31 RECTANGULAR UPRIGHTS.

PLUMBING NOTES

1. COLD AND HOT WATER PIPING ABOVE GRADE SHALL BE TYPE L HARD DRAWN COPPER TUBING CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND CAST OR WROUGHT FITTINGS. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER, J.W. HARRIS "BRIDGIT" OR EQUAL. COLD WATER PIPING BELOW GRADE SHALL BE TYPE K COPPER TUBING WITH CAST OR WROUGHT FITTINGS AND JOINTS SAME AS ABOVE GRADE. JOINTS SHALL NOT BE PERMITTED UNDER FLOOR SLABS. WATER PIPING BELOW GRADE THROUGH CONCRETE SHALL BE PROTECTED WITH PLASTIC SLEEVES.
2. SANITARY WASTE & VENT PIPING ABOVE GROUND SHALL BE NO-HUB CAST-IRON WITH STAINLESS STEEL COUPLINGS, OR SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS IF APPROVED BY LOCAL CODE OFFICIAL. PVC PIPING SHALL NOT BE LOCATED IN RETURN AIR PLENUM SPACES.
3. SANITARY WASTE PIPING BELOW GROUND SHALL BE CAST-IRON WITH PUSH-ON JOINTS, OR SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS.
4. ALL HOT WATER AND COLD WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH 1/2 INCH NOMINAL THICKNESS PIPE INSULATION WITH VAPOR BARRIER JACKET, OWENS-CORNING ASJ/SSLII OR EQUAL.
5. ALL COLD WATER, HOT WATER AND DRAIN PIPING AT HANDICAPPED FIXTURES SHALL BE INSULATED WITH SELF-SEAL ARMAFLEX 2000 OR EQUAL, 3/4" WALL THICKNESS. INSULATION SHALL BE WHITE IN COLOR AND SHALL FIT SNUGGLY AROUND PIPING.
6. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE STANDARD PLUMBING CODE AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
7. ALL PIPING PENETRATING CEILINGS AND WALLS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
8. TOPS OF ALL FLOOR DRAINS AND CLEANOUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
9. ROUTE RELIEF VALVE DISCHARGE FROM WATER HEATER TO NEAREST FLOOR DRAIN.
10. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
11. SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED ON THE DRAWINGS; PLUMBING FIXTURES AND TRIM; WATER HEATERS AND ACCESSORIES; PIPE, VALVES, AND FITTINGS; SANITARY AND WATER RISER DIAGRAMS; INSULATION.
12. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
13. WATER PIPING ROUTED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
14. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
15. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER START-UP.
16. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
17. ALL PLUMBING EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH ELECTRICAL DRAWINGS.
18. WATER HEATERS LOCATED ABOVE THE FIRST FLOOR SHALL BE INSTALLED WITH DRAIN PANS UNDER HEATERS. ROUTE PAN DRAINS TO NEAREST FLOOR DRAIN OR TO GRADE OUTDOORS.
19. ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/STRIP, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.



DOMESTIC RISER
NOT TO SCALE



SANITARY RISER
NOT TO SCALE

KEY NOTE

① 3" HUB DRAIN W/TRAP PRIMER RECEIVES DISCHARGE FROM 1 1/2" INDIRECT WASTE LINE FROM ELEV. PIT. (SEE SHEET P-1 FOR DETAILS)

ELECTRIC WATER HEATER SCHEDULE							
MARK	MODEL	STORAGE CAPACITY	VOLT	KW	GPH REC 100 DEG. RISE	TEMP OF WATER TO BE DELIVERED	ACCESS
EWH-1	PV-20-10LS	20	208	4.5	26	120	1-3
EWH-2	S-30L	---	120	3	---	120	1-3

NOTE: ALL UNITS SHALL MEET ASHRAE 90-75 AND ALL LOCAL CODE REQUIREMENTS.

ACCESSORIES:

1. T & P RELIEF VALVE
2. DIELECTRIC FITTINGS ON INLET & OUTLET
3. GATE VALVES W/UNIONS ON WATER INLET AND OUTLET CONNECTIONS

SELECTION BASED ON STATE

SCHEDULE - FIXTURE CONNECTION				
		MINIMUM SIZE UTILITY TO FIXTURE		
FIXTURE #	FIXTURE TYPE	WASTE CONNECTION	HOT WATER SUPPLY	COLD WATER SUPPLY
F-1	WATER CLOSET	4"	---	1"
F-2	WATER CLOSET H.C.	4"	---	1"
F-3	URINAL H.C.	2"	---	3/4"
F-4	LAVATORY	1-1/4"	1/2"	1/2"
F-5	LAVATORY WALL HUNG	1-1/4"	1/2"	1/2"
F-6	SERVICE SINK	3"	1/2"	1/2"
F-7	KITCHEN SINK	1-1/2"	1/2"	1/2"
F-8	WATER COOLER	1-1/4"	---	1/2"

Brewer & Skala Engineers, Inc.
6030-P UNITY DRIVE, NORCROSS, GA 30071
PHONE (770)447-5547 FAX (770)448-0262
MODEM (770)447-8167

REVISIONS

SEAL
GERALD M. SKALA

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DAA
Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11325 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

DRAWING NAME
PLUMBING NOTES & RISERS

PROJECT NO.
9708

CAD FILE NO.
97211P1

PLOT DATE

DATE
SEPT. 15, 1997

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FC

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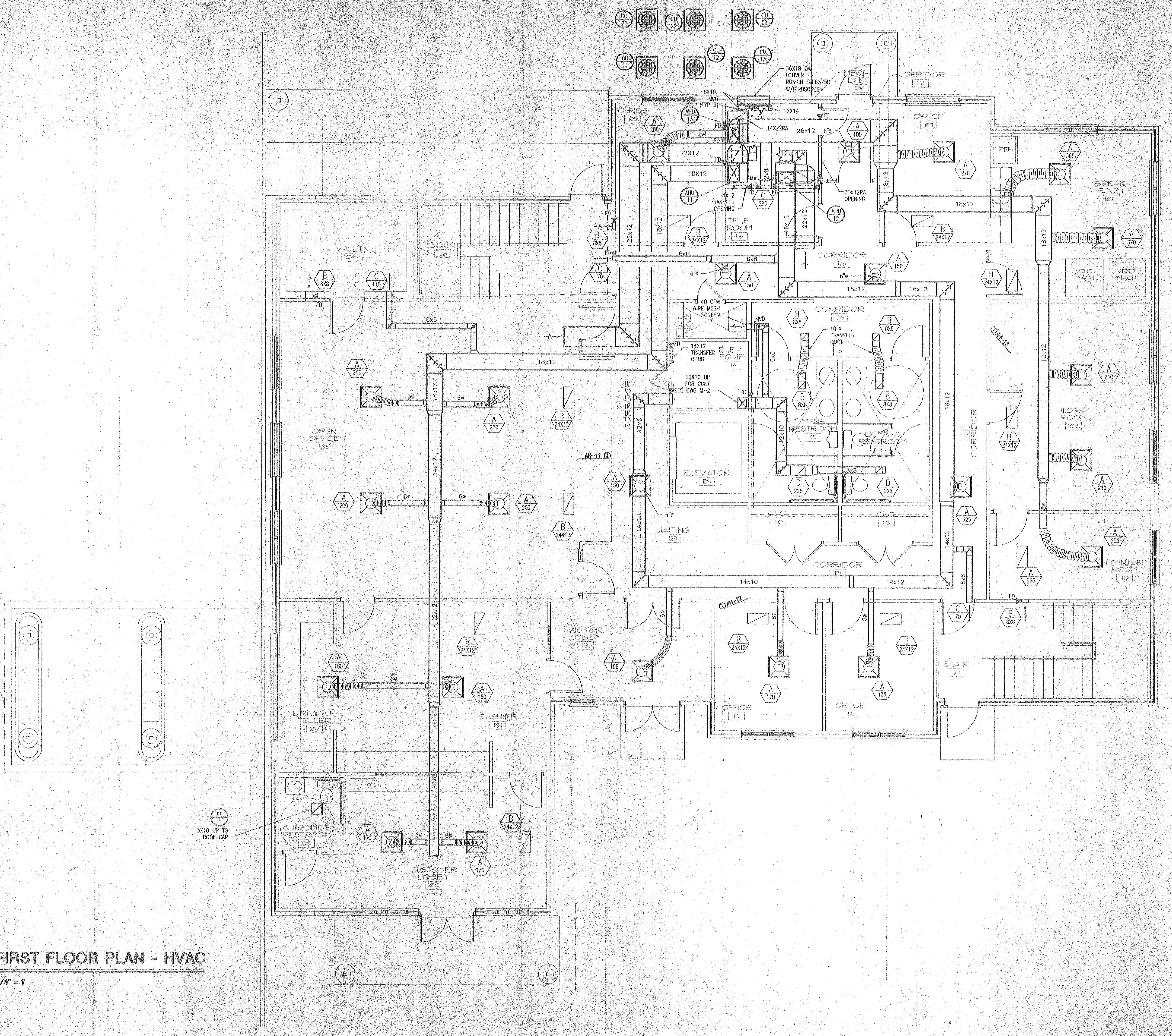
RF

SHEET NO.
P-3
OF

FOR CONSTRUCTION

97211

NOTES


CU 21
CU 22
CU 23
CU 11
CU 12
CU 13
36X18 OA LOUVER RUSKIN ELF6375D W/BIRDSCREEN
8X10 MVD (TYP 3)
12X14
14X22RA
26x12
22X12
18X12
AHU 13
AHU 11
AHU 12
14X12 TRANSFER OPENING
30X12RA OPENING
FD
MVD
12x8
12x14
18x12
22x12
6x6
8x8
16x12
14x12
14x10
12x10
12x12
10x8
6"ø
8ø
6ø
A 285
A 100
A 270
A 365
A 370
A 150
A 200
A 210
A 525
A 255
A 105
A 170
A 125
A 160
B 8X8
B 24X12
C 70
C 115
C 290
D 225
OFFICE 105
MECH/ELEC 106
CORRIDOR 131
OFFICE 107
REF.
BREAK ROOM 108
VEND. MACH.
VEND. MACH.
TELE. ROOM 116
CORRIDOR 123
VAULT 104
STAIR 128
40 CFM WIRE MESH SCREEN
JAN. CLO. 117
14X12 TRANSFER OPNG
ELEV. EQUIP. 118
12X10 UP FOR CONT SEE DWG M-2
CORRIDOR 126
10"ø TRANSFER DUCT
MENS RESTROOM 115
WOMENS RESTROOM 114
CORRIDOR 124
ELEVATOR 129
CLO. 120
CLO. 119
CORRIDOR 121
CORRIDOR 122
WAITING 125
OPEN OFFICE 103
AH-11
AH-12
AH-13
WORK ROOM 109
PRINTER ROOM 110
VISITOR LOBBY 113
OFFICE 112
OFFICE 111
STAIR 127
DRIVE-UP TELLER 102
CASHIER 101
EF 1
3X10 UP TO ROOF CAP
CUSTOMER RESTROOM 130
CUSTOMER LOBBY 100

FIRST FLOOR PLAN - HVAC

1/4" = 1'

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9-16

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DRAWING NAME
FIRST FLOOR PLAN
HVAC

PROJECT NO.
9708

CAD FILE NO.
97211M1

PLOT DATE

DATE
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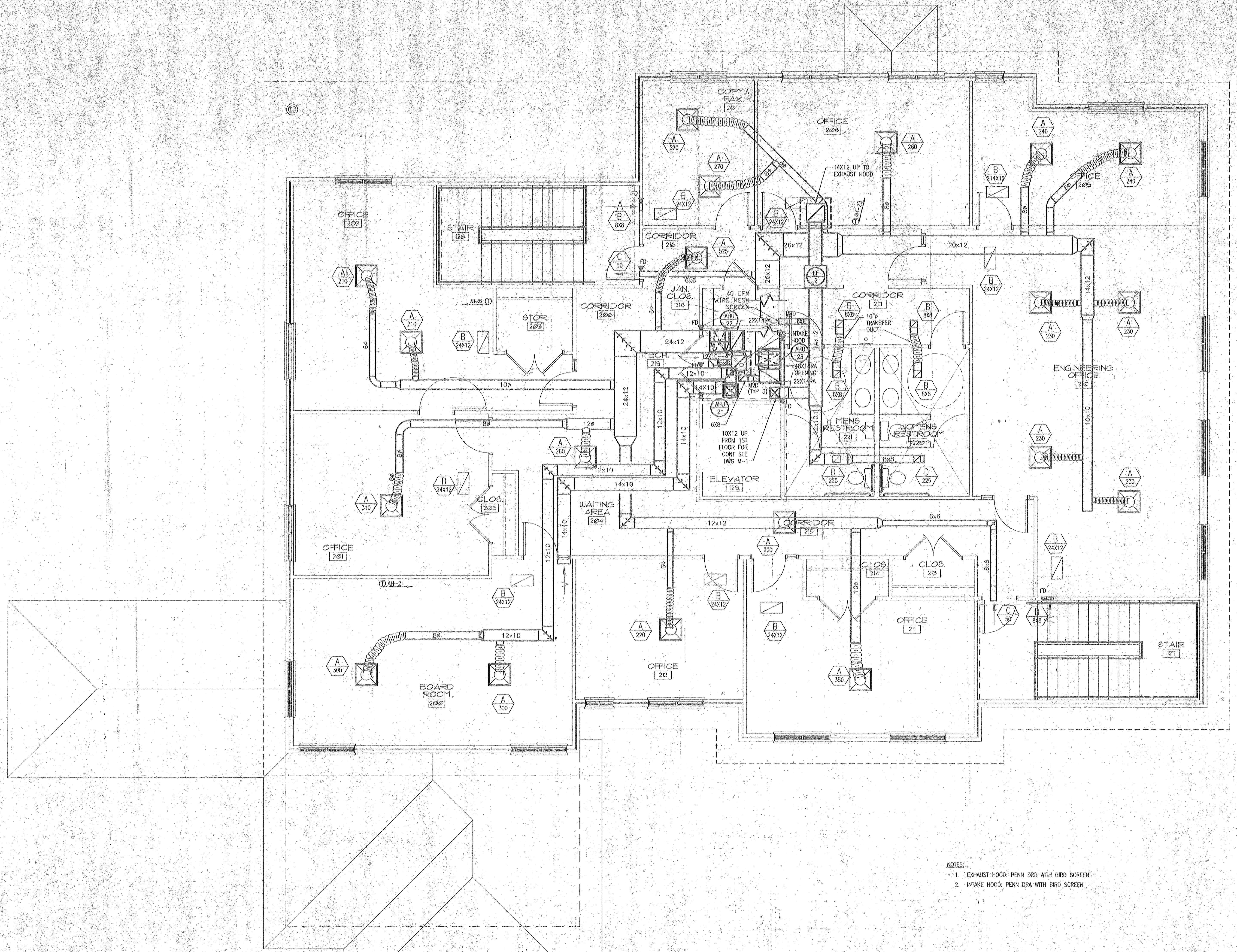

OFFICE 202
STAIR 128
STOR. 203
CORRIDOR 206
OFFICE 201
CLOS. 205
BOARD ROOM 200
WAITING AREA 204
OFFICE 212
COPY/FAX 207
OFFICE 208
OFFICE 209
CORRIDOR 216
JAN. CLOS. 218
MECH. 219
ELEVATOR 129
CORRIDOR 217
MENS RESTROOM 221
WOMENS RESTROOM 220
CORRIDOR 215
CLOS. 214
CLOS. 213
OFFICE 211
ENGINEERING OFFICE 210
STAIR 127
14X12 UP TO EXHAUST HOOD
40 CFM WIRE MESH SCREEN
INTAKE HOOD
48X14RA OPENING
22X14RA
MVD (TYP 3)
10"ø TRANSFER DUCT
10X12 UP FROM 1ST FLOOR FOR CONT SEE DWG M-1
AHU 21
AHU 22
AHU 23
EF 2
AH-21
AH-22
AH-23
FD
26x12
20x12
24x12
14x12
12x10
14x10
12x12
10x10
6x6
8x8
10ø
12ø
8ø
6ø

SECOND FLOOR PLAN - HVAC

1/4" = 1'

NOTES:
1. EXHAUST HOOD: PENN DRB WITH BIRD SCREEN
2. INTAKE HOOD: PENN DRA WITH BIRD SCREEN

Brewer & Skala Engineers, Inc.
6030-P UNITY DRIVE, NORCROSS, GA 30071
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DRAWING NAME
SECOND FLOOR PLAN
HVAC

PROJECT NO.	9708
CAD FILE NO.	97211M2
PLOT DATE	
DATE	SEPT. 15, 1997
DRAWN BY	
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SHEET NO.	M-2
OF	

FOR CONSTRUCTION

97211

NOTES

SCHEDULE – GRILLE, REGISTERS & DIFFUSERS

TAG	SERIES	DUTY	NECK	SIZE	DAMPER	MATERIAL	ACCESSORIES
A	TMS	SUPPLY	SEE DRAWINGS	24X24	YES	STEEL	
B	50R	RETURN	SEE DRAWINDS	SEE DRAWINGS	NO	STEEL	
C	300RS	SUPPLY	SEE DRAWINDS	SEE DRAWINGS	YES	STEEL	
D	50R	EXHAUST	SEE DRAWINDS	SEE DRAWINGS	YES	STEEL	

NOTES:

A. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND/OR SUSPENSION SYSTEM.

B. FINISH SHALL BE OF THE TYPE AND COLOR SELECTED BY ARCHITECT. SUBMIT FINISH CHART WITH SHOP DRAWINGS.

ACCESSORIES:

1. NOT USED.

SELECTIONS ARE BASED ON PRODUCTS BY TITUS.
EQUAL PRODUCTS: ANEMOSTAT, J&J, METAL*AIRE, CARNES, KRUEGER, TUTTLE & BAILEY, AND PRICE.

SCHEDULE – FANS

TAG	MODEL	DUTY	CFM	E.S.P.	MOTOR SIZE	RPM	DRIVE	WEIGHT (Lb)	ACCESSORIES
EF-1	Z3	EXHAUST	40	0.125	21W	1600	DIRECT	16	1,2,5,6
EF-2	ZC10	EXHAUST	1085	0.5	1/4	750	BELT	110	3

ACCESSORIES:

1. GRAVITY BACKDRAFT DAMPERS.
2. WIRE INTO WALL SWITCH.
3. DISCONNECT SWITCH.
4. 12" HIGH INSULATED ROOF CURB.
5. WEATHERPROOF HOOD.
6. BIRD SCREEN.

SELECTIONS ARE BASED ON PRODUCTS BY PENN.
EQUAL PRODUCTS: GREENHECK, CARNES, JENNAIRE, COOK, AMMERIAN.

SCHEDULE – SPLIT SYSTEM HEAT PUMP

TAG	MODEL No. (AHU/CU)	MBH TOT. COOL	MAX. SENS. COOL	MBH INT. HEAT	TOTAL CFM	OA CFM	ESP	MAX. FAN HP	AUX. HEAT KW	ACCESSORIES
AHU/CU-11	CB29M-65/HP29-653	45	37	20	1575	240	1	3/4	---	2,3,4,5,6,7
AHU/CU-12	CB29M-65/HP29-653	62	43	45	1440	795	1		8	1,2,3,4,5,6,7
AHU/CU-13	CB29M-65/HP29-653	62	53	21	2355	245	1	3/4	---	2,3,4,5,6,7
AHU/CU-21	CB29M-21/26/HP29-261	19	14	12	530	150	1	1/5	---	2,3,4,5,6,7
AHU/CU-22	CB29M-65/HP29-653	60	49	34	1950	450	1	3/4	2	1,2,3,4,5,6,7
AHU/CU-23	CB29M-65/HP29-653	54	49	18	2250	145	1	3/4	---	2,3,4,5,6,7

NOTES

A. COOLING CAPACITIES BASED ON 95 DEG. F. AMBIENT, 80 DEG. F. db/67 DEG. F., wb ENTERING AIR TEMPERATURE. INTEGRATED HEATING CAPACITIES BASED ON 47 DEG. F. AMBIENT TEMPERATURE.

ACCESSORIES:

1. FACTORY INSTALLED ELECTRIC HEAT WITH THERMAL OVERLOADS, SINGLE POINT POWER CONNECTION.
2. DUAL SETPOINT AUTOMATIC CHANGEOVER THERMOSTAT AND SUB-BASE.
3. DISCONNECT SWITCH FOR EACH AIR HANDLER & HEAT PUMP.
4. COMPRESSOR ANTI-RECYCLE CONTROLS.
5. FILTER/DRYER.
6. LIQUID LINE SOLENOIDS, CONDENSING UNIT WIND BAFFLES, AND OTHER ACCESSORIES REQUIRED FOR PROPER OPERATION.
7. LOW AMBIENT CONTROLS.

SELECTIONS ARE BASED ON EQUIPMENT MANUFACTURED BY LENNOX.

HVAC NOTES

1. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE STANDARD MECHANICAL CODE, THE STANDARD BUILDING CODE, THE STATE ENERGY CODE, NFPA 90A, 96, 101 AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.

2. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.

3. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS; DUCTWORK DRAWN TO 1/4" SCALE OR THE SCALE SHOWN ON THE DRAWINGS (1/8" SCALE MINIMUM); REFRIGERANT PIPING AND CONTROL WIRING SCHEMATICS APPROVED BY THE AIR CONDITIONING EQUIPMENT MANUFACTURER.

4. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.

5. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE WITH EQUIPMENT CHARACTERISTICS AND ELECTRICAL DRAWINGS.

6. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. WIRING IN HVAC PLENUM SPACES SHALL BE INSTALLED ACCORDING TO CODE REQUIREMENTS.

7. UNLESS NOTED OTHERWISE, STARTERS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

8. ALL FANS SUPPLYING MORE THAN 2000 CFM OF AIR TO ANY SPACE AND ALL RECIRCULATING FAN SYSTEMS SERVING AREAS OF EGRESS SHALL BE INSTALLED WITH A SMOKE DETECTOR IN THE SUPPLY DUCTWORK. THE SMOKE DETECTOR SHALL BE WIRED TO STOP THE FAN UPON DETECTION OF SMOKE, AND SIGNAL THE BUILDING FIRE ALARM CONTROL PANEL (IF BUILDING IS SO EQUIPPED). IF THE BUILDING IS NOT PROVIDED WITH A FIRE ALARM SYSTEM, THE SMOKE DETECTOR SHALL CAUSE A VISIBLE AND AUDIBLE ALARM SIGNAL IN A NORMALLY OCCUPIED AREA. SMOKE DETECTOR TROUBLE CONDITIONS SHALL BE INDICATED VISUALLY OR AUDIBLY IN A NORMALLY OCCUPIED AREA AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE. IF A BUILDING FIRE ALARM SYSTEM IS INSTALLED, THE SMOKE DETECTOR SHALL BE FURNISHED BY THE FIRE ALARM SYSTEM CONTRACTOR, MOUNTED IN THE DUCT BY THE MECHANICAL CONTRACTOR, AND WIRED BY THE ELECTRICAL CONTRACTOR. IF A BUILDING FIRE ALARM SYSTEM IS NOT INSTALLED, THE SMOKE DETECTOR AND AUDIBLE/VISIBLE ALARM SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

9. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

10. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.

11. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.

12. FOR EXACT LOCATION OF OUTDOOR AIR CONDITIONING UNITS SEE ARCHITECTURAL DRAWINGS.

13. INSTALL OUTDOOR AIR CONDITIONING EQUIPMENT LEVEL ON 4" THICK REINFORCED CONCRETE PADS, EXTENDING 6" BEYOND UNIT PERIMETER.

14. FABRICATE ALL DUCTWORK IN ACCORDANCE WITH THE SMACNA DUCT CONSTRUCTION STANDARDS, 2" PRESSURE CLASS. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. FABRICATE DUCTWORK FROM G60 GALVANIZED SHEET METAL.

15. SHEET METAL SUPPLY, RETURN, & O.A. DUCTWORK IN NON-AIR CONDITIONED AREAS AND MECHANICAL ROOMS SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT INSULATION WITH FOIL VAPOR BARRIER, U.L. LISTED, MINIMUM R=6.0. EXTERIOR SUPPLY AND RETURN DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL, LINED WITH 2" THICK DUCT LINER BOARD, WITH ALL SEAMS CAULKED AND SEALED WEATHERTIGHT, AND COATED WITH RUST PREVENTIVE COATING OVER ENTIRE DUCT SURFACE.

16. EXHAUST DUCTWORK SHALL BE SHEET METAL AND SHALL NOT BE INSULATED UNLESS NOTED OTHERWISE.

17. ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS.

18. FLEXIBLE DUCTWORK SHALL BE FLEXMASTER TYPE 3 OR EQUAL, SAME SIZE AS DIFFUSER NECKS, MAXIMUM 8'-0" LONG. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS.

19. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS WITH AIR EXTRACTORS AND BALANCING DAMPERS.

20. SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY LINED SHALL BE LINED WITH 1" THICK 1-1/2 LB./CU. FT. DENSITY DUCTLINER, MANVILLE LINACOUSTIC OR EQUAL. LINE ALL SUPPLY AND RETURN DUCTWORK MIN. 10'-0" DOWNSTREAM OF ALL AIR HANDLING UNITS.

21. REFRIGERANT PIPING SHALL BE TYPE L OR REFRIGERATION SERVICE COPPER TUBING WITH BRAZED JOINTS. SUCTION PIPING SHALL BE INSULATED WITH 3/4" MANVILLE AEROTUBE II PIPE INSULATION SLID OVER TUBING WITHOUT CUTTING. ALL JOINTS AND SEAMS SHALL BE SEALED WITH ADHESIVE.

22. REFRIGERANT PIPING INTERCONNECTING SEPARATE PIECES OF EQUIPMENT (SPLIT HVAC SYSTEMS) AND PASSING VERTICALLY THROUGH FLOORS FROM ONE STORY TO ANOTHER SHALL BE ENCLOSED IN A CODE APPROVED RIGID AND TIGHT CONTINUOUS FIRE RESISTING PIPE DUCT OR SHAFT HAVING NO OPENINGS INTO FLOORS NOT SERVED BY THE REFRIGERATING SYSTEM, AS REQUIRED BY LOCAL CODE AUTHORITIES. THE PIPE DUCT OR SHAFT SHALL BE VENTED TO OUTDOORS.

23. CONDENSATE FROM ALL AIR CONDITIONING EQUIPMENT SHALL BE TRAPPED AND ROUTED TO THE NEAREST FLOOR DRAIN. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC (EXCEPT INSULATED COPPER IN HVAC PLENUMS). CONDENSATE SHALL BE PUMPED AS REQUIRED.

24. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR (AND WATER FLOW) QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL.

25. ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE OWNER TO SUIT HIS OPERATING CONDITIONS. WORK IN HAZARDOUS (PLANT) AREAS SHALL BE PERFORMED IN ACCORDANCE WITH THE OWNER'S REQUIREMENTS.

26. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.

27. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.

28. MOUNT THERMOSTATS 4'-6" AFF UNLESS NOTED OTHERWISE. PROVIDE CLEAR LOCKING COVER ASSEMBLIES FOR ALL THERMOSTATS.

29. ALL ROOFTOP MOUNTED EQUIPMENT SHALL BE INSTALLED LEVEL ON AND ANCHORED TO MINIMUM 12" HIGH INSULATED ROOF CURBS. CONTRACTOR SHALL COORDINATE ROOF SLOPE AND ACTUAL CURB HEIGHTS WITH ARCHITECTURAL DRAWINGS. ALL REFERENCES TO ROOF HEIGHTS REFER TO HEIGHTS ABOVE FINISHED ROOF SURFACE.

30. U.N.O. ROOF CURBS SHALL BE CUSTOM CURB OR APPROVED EQUAL (SUBMIT WITH SHOP DRAWINGS). VIBRATION/SOUND ATTENUATING ROOF CURBS (WHERE SCHEDULED OR NOTED) SHALL BE MASON RSC-A (2-1/2") OR EQUAL WITH ACOUSTICAL PACKAGE.

HVAC LEGEND

MARK	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
C	AIR COMPRESSOR
AC	AIR CONDITIONER
D	AIR DRYER
AH	AIR HANDLING UNIT
BDD	BACKDRAFT DAMPER
BB	BASEBOARD HEATER
BOD	BOTTOM OF DUCT
CU	CONDENSING UNIT
CT	COOLING TOWER
A 1900	DIFFUSER TYPE "A" BALANCED FOR 1900 CFM
←D	DROP
DB	DRY BULB (°F.)
14X12	DUCT SIZE (RECTANGULAR)
8"ø	DUCT SIZE (ROUND)
EWH	ELECTRIC WALL HEATER
EAT	ENTERING AIR TEMPERATURE (°F.)
EWT	ENTERING WATER TEMPERATURE (°F.)
WL 1	EQUIPMENT NUMBER DESIGNATION (WL-1)
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE (IN. W.C.)
FD	FIRE DAMPER
FF	FLY FAN
F	FURNACE
HP	HEAT PUMP
HPU	HEAT PUMP UNIT (PACKAGED)
IN. W.C.	INCHES WATER COLUMN
LAT	LEAVING AIR TEMPERATURE (°F.)
LWT	LEAVING WATER TEMPERATURE (°F.)
MVD	MANUAL VOLUME DAMPER
OBD	OPPOSED BLADE DAMPER
OA	OUTSIDE AIR (°F.)
PCU	PACKAGED COOLING UNIT
PIU	POWERED INDUCTION UNIT
P	PUMP
RA	RETURN AIR
⧄	RETURN OR EXHAUST DUCT OR OUTLET
←R	RISE
RT	PACKAGED ROOFTOP UNIT
	SPIN-IN FITTING WITH DAMPER AND FLEX DUCTWORK
⬢	SMOKE DETECTOR
SA	SUPPLY AIR
SF	SUPPLY FAN
⊠	SUPPLY OR OUTSIDE AIR DUCT OR OUTLET
Ⓣ AH-1	THERMOSTAT FOR AH-1
U.C. 1"	UNDERCUT (DOOR) 1"
TOD	TOP OF DUCT
UH	UNIT HEATER
VV	VARIABLE AIR VOLUME DEVICE
WL	WALL LOUVER
WC	WATER COLUMN
WB	WET BULB (°F.)

Brewer & Skala Engineers, Inc.
6030-P UNITY DRIVE, NORCROSS, GA 30071
PHONE (770)447-5547 FAX (770)448-0262
MODEM (770)447-8167

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REVISIONS

SEAL
GERALD M. SKALA

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DAA
Design Associates Architects, Inc.
1229 Royal Drive, Conyers, Georgia 30094
(770) 929-3977 FACSIMILE (770) 929-3978
ELECTRONIC MAIL: DAAINC@JUNO.COM

PROJECT NAME
A NEW OFFICE BUILDING FOR THE
NEWTON COUNTY WATER & SEWER AUTHORITY
11826 BROWN BRIDGE ROAD
COVINGTON, GEORGIA 30016

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HVAC

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