

A New Banking Facility for
LONE STAR BANK
 4650 BELTLINE ROAD
 ADDISON, TEXAS



ARCHITECT

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MECH./PLUMBING ENGINEER

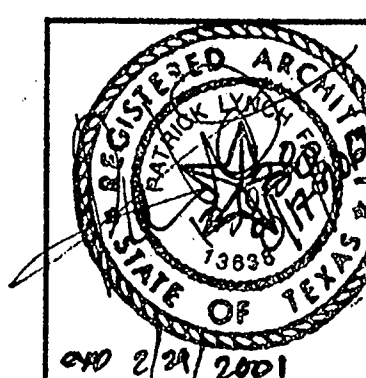
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LONE STAR BANK
 4650 BELTLINE ROAD
 at Belwood Parkway East
 ADDISON, TX
 Project # 1804

7-25-2000 PERMIT ISSUE
 8-17-2000 ISSUE FOR BID

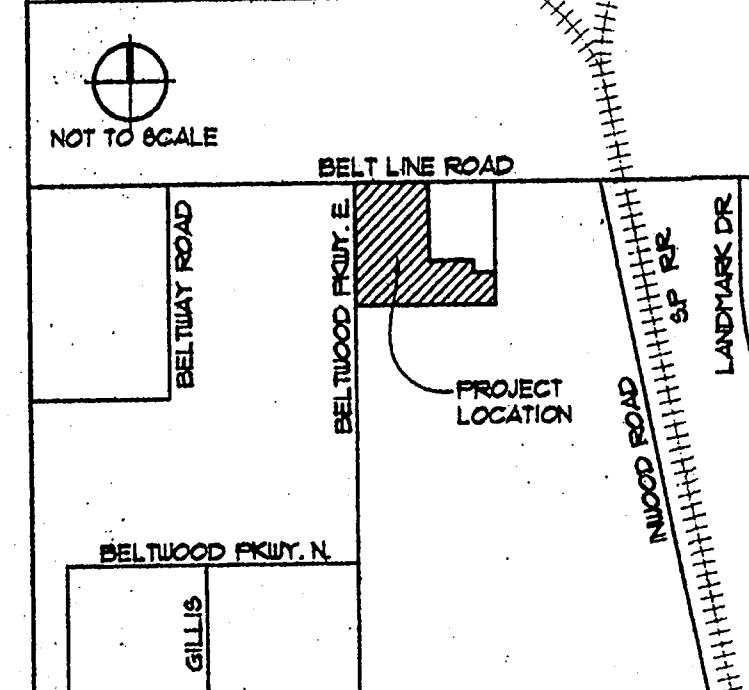
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ARCHITECTURAL RENDERING **FF-7**

GENERAL NOTES:

- A. PRIOR TO ACCEPTANCE BY THE TOWN OF ADDISON:
1. THE CONTRACTOR SHALL EMPLOY A TEXAS REGISTERED PROFESSIONAL ENGINEER TO CERTIFY THAT THE PROJECT WAS CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE TOWN OF ADDISON.
 2. THE CONTRACTOR SHALL PROVIDE ONE SET OF REPRODUCIBLE AS-BUILT DRAWINGS (SEALED AND CERTIFIED BY A TEXAS REGISTERED ENGINEER) AND TWO BLUE LINE SETS.
 3. A FIVE FOOT (5') SIDEWALK SHALL BE INSTALLED ALONG THE PUBLIC STREETS. SEE ATTACHED DETAIL.
 4. A ONE YEAR 10% MAINTENANCE BOND IS REQUIRED FOR THE PUBLIC INFRASTRUCTURE.
 5. CONTRACTOR SHALL DEMONSTRATE THAT THE WATER AND SANITARY SEWER SYSTEMS MEET THE PROPERTY PRESSURE, BACTERIA AND MANDREL TESTS. IN ADDITION, THE OWNER SHALL PROVIDE A VHS FORMAT VIDEO TAPE OF THE SANITARY SEWER.
- B. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES TO LOCATE EXISTING FACILITIES. THESE INCLUDE BUT MAY NOT BE LIMITED TO THE FOLLOWING:
1. TOWN OF ADDISON
 2. ONE STAR GAS
 3. SOUTHWESTERN BELL
 4. STORER CABLE
 5. PLANNED CABLE SYSTEMS
 6. TUL ELECTRIC
- C. PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL CONVEY A PRECONSTRUCTION CONFERENCE AMONG THE TOWN OF ADDISON, CONSULTING ENGINEERS, CONTRACTORS, UTILITY COMPANIES AND ANY OTHER AFFECTED PARTIES. NOTIFY BRUCE ELLIS (972) 450-2841 AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
- D. ANY EXISTING PAVEMENT, CURBS, AND/OR SIDEWALKS DAMAGED OR REMOVED OR REMOVED WILL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE.
- E. LOT FINISH SHALL BE INSTALLED AFTER CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE. CONCRETE MONUMENTS SHALL BE PLACED AS SHOWN ON THE FINAL PLAT AND IRON PINS SHALL BE PLACED AT BLOCK CORNERS, CURVE POINTS, AND ANGLE POINTS IN PUBLIC RIGHT-OF-WAY. CONCRETE MONUMENTS SHALL BE SIX INCHES (6") IN DIAMETER AND TWENTY-FOUR INCHES (24") LONG. AN IRON ROD ONE-HALF INCH (1/2") IN DIAMETER EMBEDDED AT LEAST THREE INCHES (3") IN THE MONUMENT AT THE EXACT INTERSECTION POINT OF THE MONUMENT. THE MONUMENTS SHALL BE SET AT SUCH AN ELEVATION THAT AFTER CONSTRUCTION, THE TOP OF THE MONUMENT WILL NOT BE LESS THAN TWELVE INCHES (12") BELOW THE GROUND SURFACE.
- F. THE CONTRACTOR SHALL STAMP A TWO INCH (2") 9" AND A TWO INCH (2") 10" IN THE CURB AT THE LOCATION OF THE SEWER SERVICE AND THE WATER SERVICE LINES, RESPECTIVELY.
- G. AT INTERSECTIONS THAT HAVE VALLEY DRAINAGE, THE CROWN OF THE INTERSECTING STREETS WILL CULMINATE IN A DISTANCE OF 40 FEET (40') FROM THE INTERSECTING CURB LINE UNLESS OTHERWISE NOTED.
- H. TEMPORARY OR PERMANENT STREET BARRICADES SHALL REMAIN AT ALL POINTS OF INGRESS AND EGRESS TO PREVENT PUBLIC USE UNTIL SUCH STREET RECEIVED FINAL ACCEPTANCE.
- I. CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT BY THE TOWN OF ADDISON FOR WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.
- J. DURING CONSTRUCTION, THE OWNER SHALL PROVIDE A QUALIFIED GEOTECHNICAL LAB TO PERFORM MATERIALS TESTING DURING THE CONSTRUCTION AT THE REQUEST OF THE TOWN OF ADDISON.
- K. THE CONTRACTOR SHALL SUBMIT MATERIAL SHEETS TO THE TOWN OF ADDISON FOR APPROVAL PRIOR TO INCORPORATION MATERIALS INTO THE JOB.
- L. THE UTILITY CONTRACTOR SHALL SUBMIT TO THE TOWN OF ADDISON FOR APPROVAL A TRENCH SAFETY PLAN SEALED BY A REGISTERED PROFESSIONAL ENGINEER FOR THE INSTALLATION OF UTILITIES GREATER THAN FIVE FEET (5') IN DEPTH.
- M. ALL EXISTING AND PROPOSED IMPROVEMENTS (VALVES, MANHOLES, FIRE HYDRANTS, WATER METERS, ETC.) SHALL BE ADJUSTED TO FINISHED GRADE BY THE CONTRACTOR.

VICINITY MAP



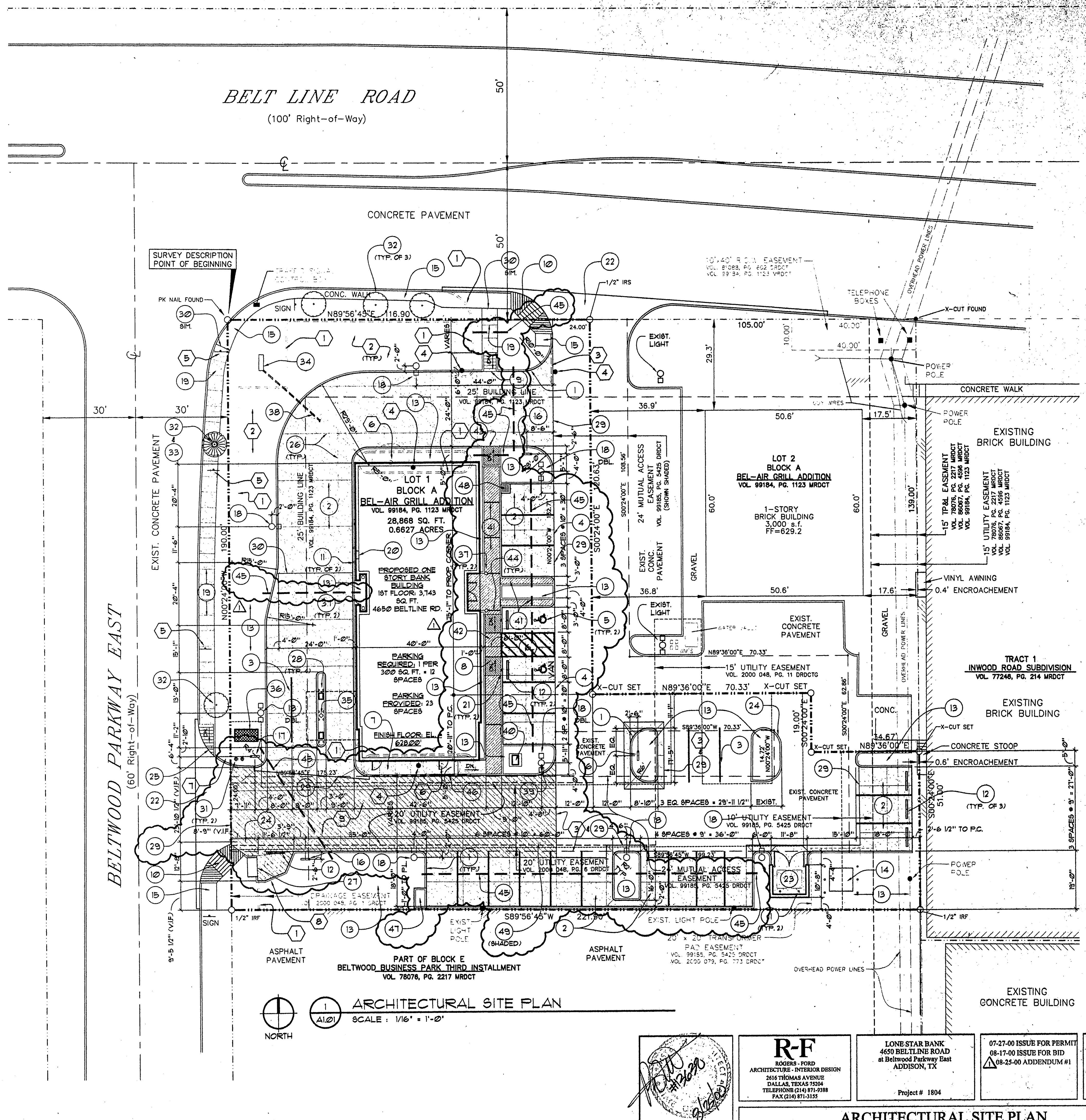
DEMOLITION NOTES:

1. EXISTING CONCRETE CURBS TO BE REMOVED.
2. EXISTING ASPHALT PAVING TO BE REMOVED.
3. EXISTING CONCRETE PAVING TO BE SAUCUT & REMOVED AS SHOWN.
4. EXISTING LIGHT STANDARD & BASE TO BE REMOVED.
5. EXISTING METAL SIGN TO BE RELOCATED PER TOWN OF ADDISON.
6. EXISTING TREE TO BE REMOVED.
7. OLD CONCRETE WATER METER VAULT DEBRIS TO BE REMOVED.
8. EXISTING GRAVEL & EROSION CONTROL TO BE REMOVED FOR CONSTRUCTION.
9. EXISTING FIRE LANE PAVING TO BE REMOVED - REFER CIVIL DWGS.

CONSTRUCTION NOTES:

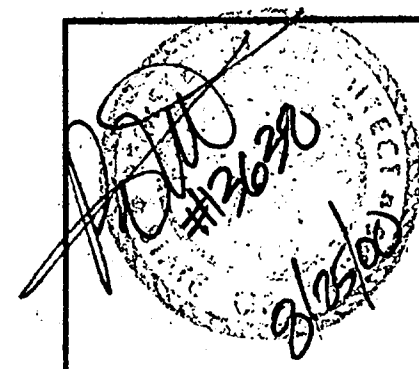
1. NEW 6" CONCRETE CURB & GUTTER.
2. NEW CONCRETE PAVING - REFER CIVIL.
3. 4" PAINTED STRIPE - WHITE.
4. NEW FIRE LANE STRIPING PER TOWN OF ADDISON STANDARDS.
5. PAINTED HANDICAP PARKING SYMBOL - REF. 6/1A102
6. 8' HANDICAP VAN ACCESSIBLE AISLE - REF. 9/1A103
7. NEW CONCRETE ELATED CURB - 1/4" @ 2" SIM
8. NEW H.C. RAMP, SLOPE 1:12 MAX. REF. 9/1A103
9. NEW HANDICAP VAN ACCESSIBLE RAMP, SLOPE = 1:12 MAX. REF. 10/1A103
10. EXISTING ACCESSIBLE RAMP TO REMAIN.
11. CONCRETE FILLED PIPE BOLLARD - PAINTED. REFER 9/1A102.
12. CONCRETE WHEEL STOP - REF. 7/1A102.
13. LANDSCAPE AREA
14. EXISTING PAD MOUNTED TRANSFORMER & BOLLARDS TO REMAIN.
15. EXISTING CONCRETE SIDEWALKS TO REMAIN.
16. NON-ILLUMINATED DIRECTIONAL SIGN - O.F.O.I.
17. NON-ILLUMINATED ILLUMINATED DIRECTIONAL SIGN DO NOT ENTER SIGN - O.F.O.I.
18. NEW ILLUMINATED SIGN - REFER 10/1A102 & ELEC. DWGS.
19. NEW CONCRETE SIDEWALK, 5' WIDE (TYP.) - REF. 1/1A102.
20. NEW AUTOMATIC TELLER MACHINE - O.F.O.I.
21. POLE MOUNTED H.C. PARKING SIGN - REF. 3/1A102
22. EXISTING CONCRETE DRIVE APRON TO REMAIN.
23. NEW MASONRY TRASH ENCLOSURE - REF. 1/1A103
24. EXISTING CONCRETE CURBS TO REMAIN.
25. EXIST. LAY-DOWN CURBS TO REMAIN. PROVIDE NEW H.C. RAMP PER 1/1A103 (SLOPE 1:12 MAX.)
26. SAUCUT CONCRETE CONTROL JOINT - REFER 9/1A102
27. EXISTING CURB INLET TO REMAIN - MODIFY PER CIVIL DWGS.
28. NEW CONCRETE FILLED BOLLARDS (PAINTED) - REF. 12/1A102
29. CONCRETE EXPANSION JOINT - REF. 2/1A102
30. CONCRETE CONSTRUCTION JOINT - REF. 8/1A102
31. EXISTING WATER METER VAULTS - RELOCATE FOR FIRE VAULT PLACEMENT (IF REQUIRED)
32. EXISTING TREE TO REMAIN.
33. NEW TREE GRATE @ EXISTING TREE - REF. LANDSCAPE DRAWINGS.
34. EXISTING MASONRY Pylon SIGN TO REMAIN - BRICK & METAL TO RECEIVE NEW PAINT.
35. REMOTE TRANSACTION STATION - O.F.O.I.
36. NEW WATER VAULT PER TOWN OF ADDISON STANDARDS.
37. PAVING OR GROUND MOUNTED BUILDING LIGHTS - REF. ELEC. DWGS.
38. NEW UNDERGROUND POWER & CONDUIT FROM EXIST. SIGN TO NEW ELEC. SERVICE.
39. EXISTING 4" PVC UTILITY SUB-UPS. CONTRACTOR TO VERIFY LOCATION OF CONDUIT.
40. NEW DRY TYPE STEP-DOWN TRANSFORMER ON NEW 4'x4' CONCRETE PAD. REF. ELEC. DWGS.
41. BRICK WALK AS SHOWN - REF. 9/1A103. DEDUCT ALTERNATE, CONC. WALK PER CONST. NOTE #1.
42. FLUSH BRICK PAVING AS SHOWN. DEDUCT ALTERNATE, CONC. PAVING PER CONST. NOTE #2.
43. BRICK H.C. RAMP WITH RATED DOMES. DEDUCT ALTERNATE, CONC. RAMP PER CONST. NOTE #3.
44. EXPANSION JOINT @ BRICK PAVING AS SHOWN. (1/4" @ MAXIMUM)
45. 4" SCHEDULE 40 PVC IRRIGATION SLEEVE AS SHOWN.
46. REMOVABLE PIPE GUARDRAIL - REFER 12/1A103
47. NEW STORM SEWER CURB INLET - REFER CIVIL DWGS.
48. NEW STORM SEWER GRATE INLET - REFER CIVIL DWGS.
49. NEW CONCRETE FIRE LANE PAVING (SHOWN SHADED) - REFER CIVIL DRAWINGS.

BELT LINE ROAD
(100' Right-of-Way)



ARCHITECTURAL SITE PLAN
SCALE: 1/16" = 1'-0"

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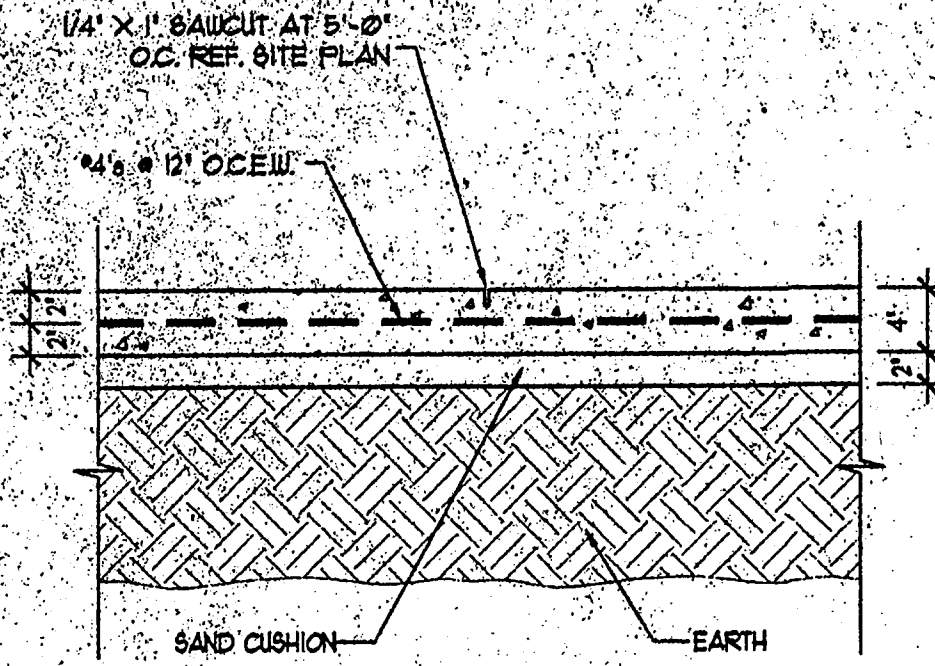


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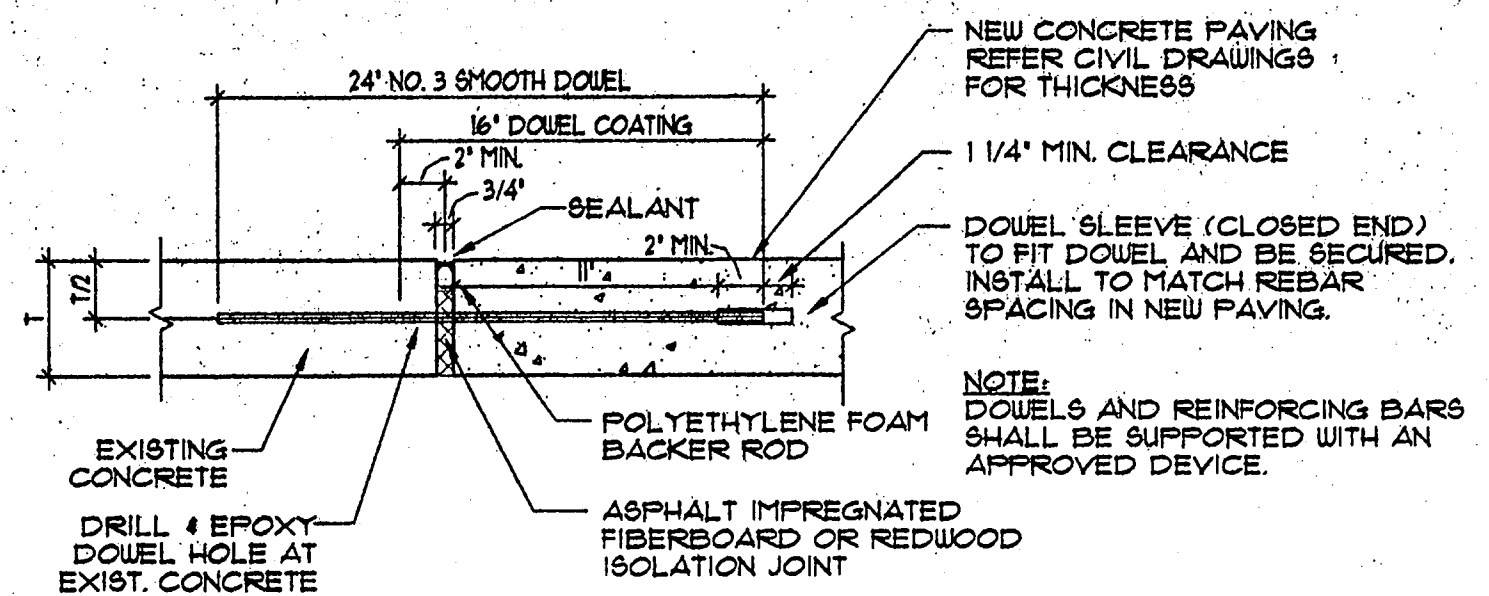
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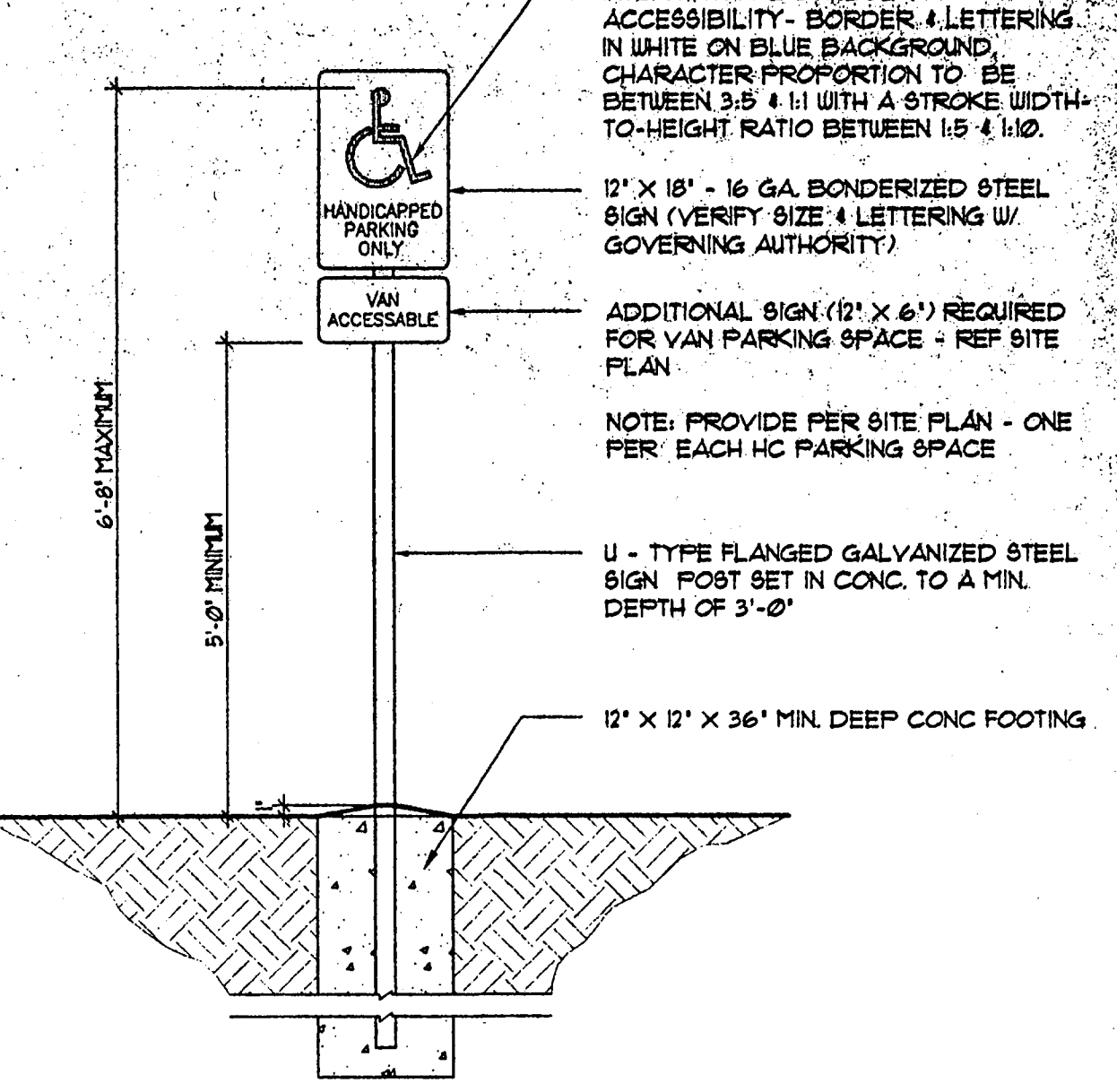
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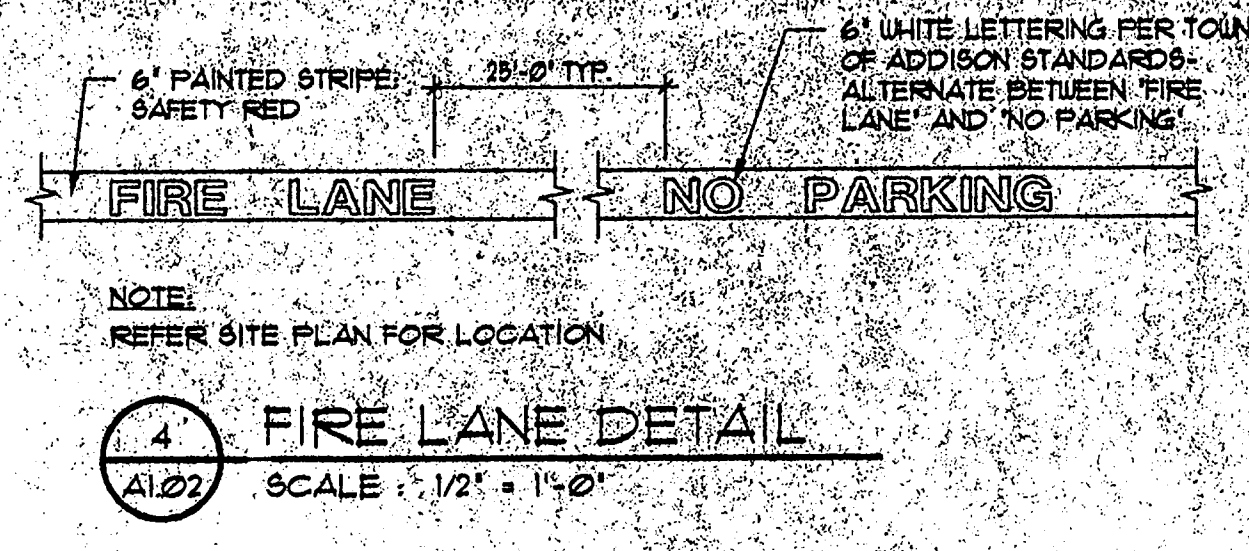
1 TYP. CONCRETE WALK
A1.02 SCALE: 1" = 1'-0"



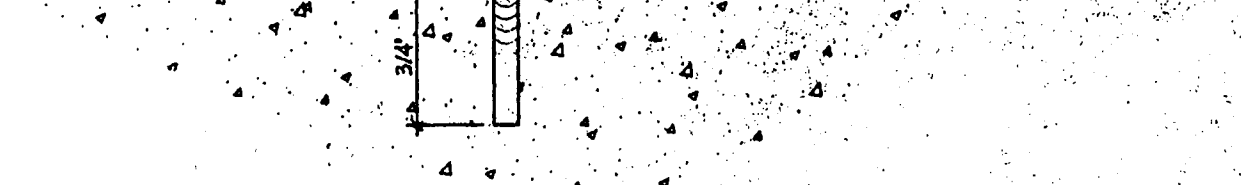
2 CONC. EXPANSION JOINT
A1.02 SCALE: 1-1/2" = 1'-0"



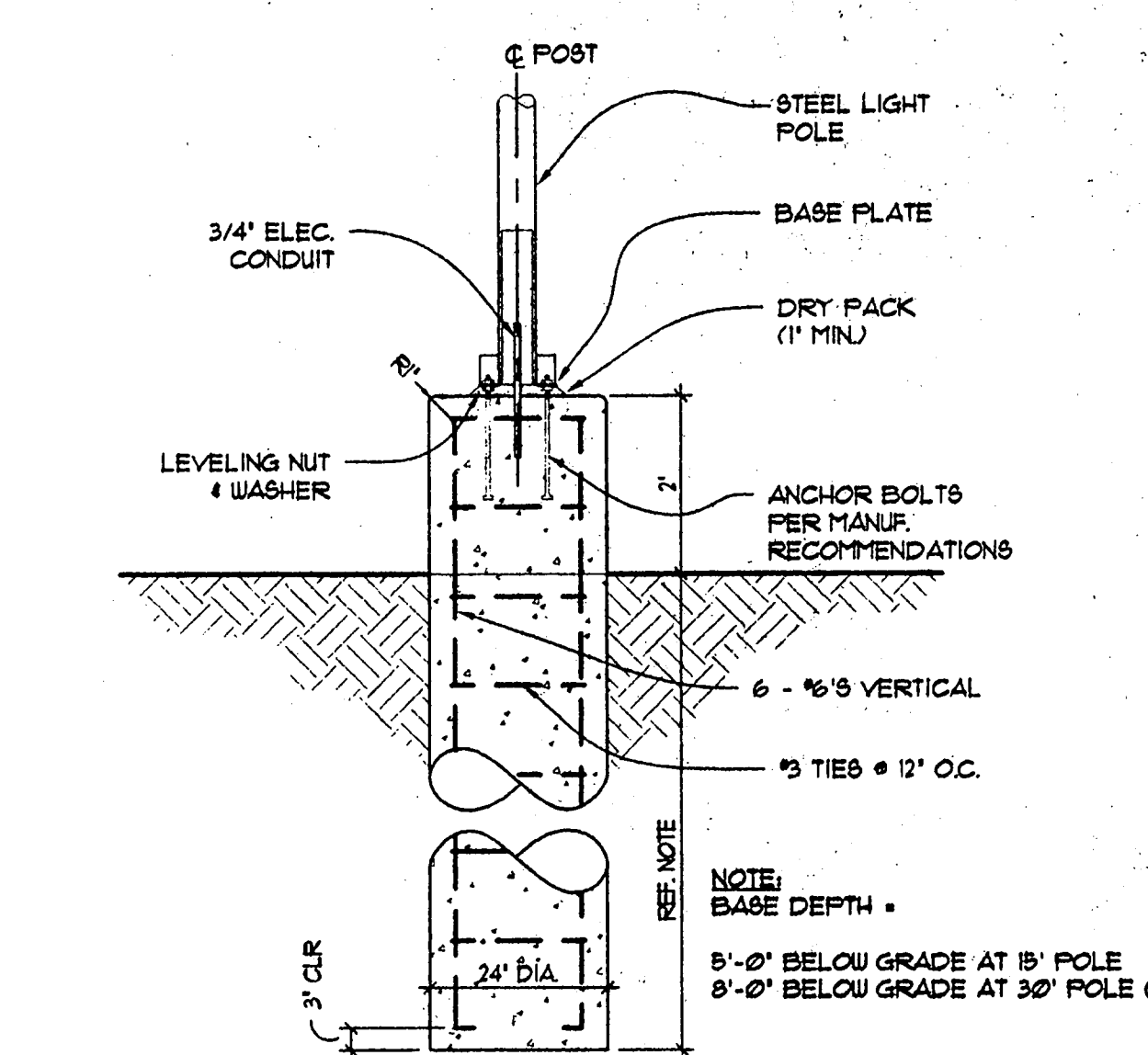
3 H.C. PARKING SIGN
A1.02 SCALE: 3/4" = 1'-0"



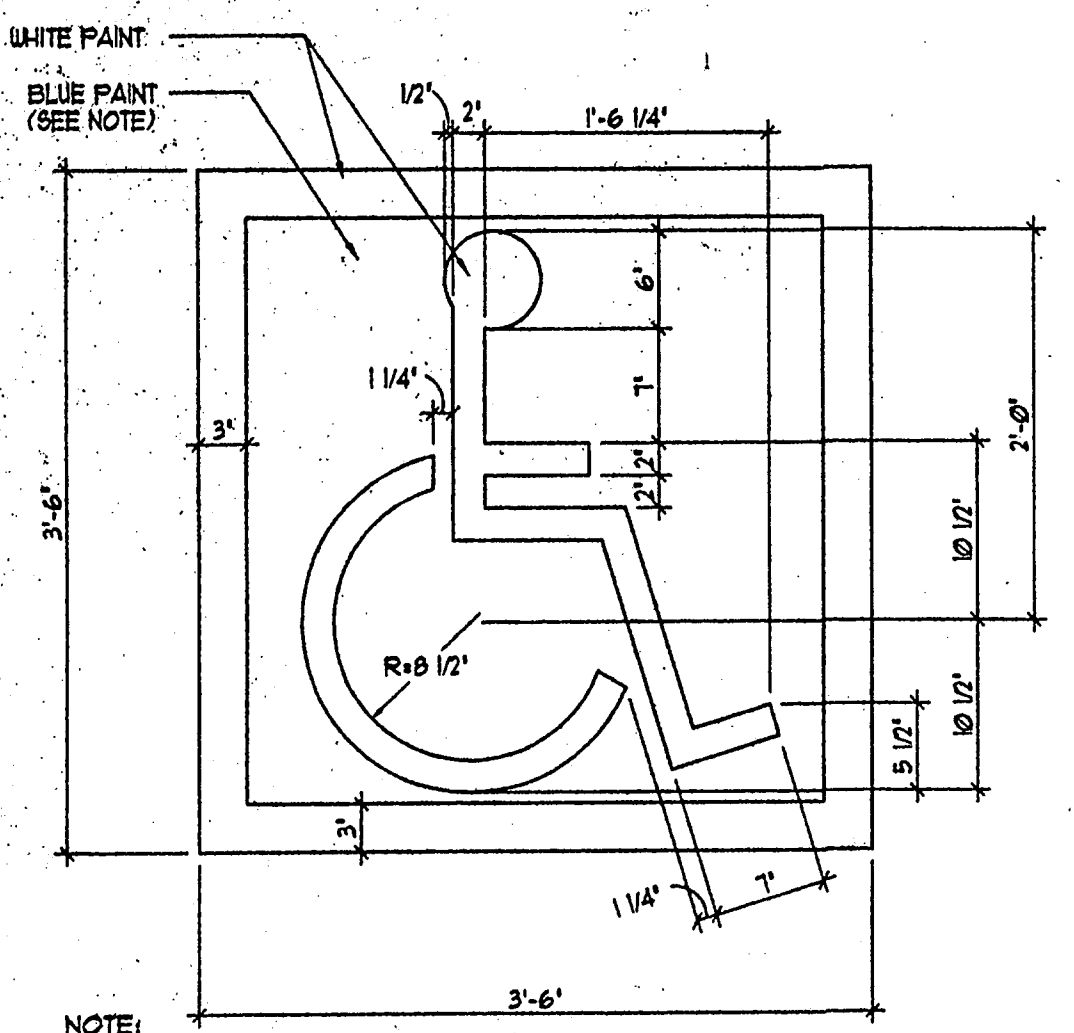
4 FIRE LANE DETAIL
A1.02 SCALE: 1/2" = 1'-0"



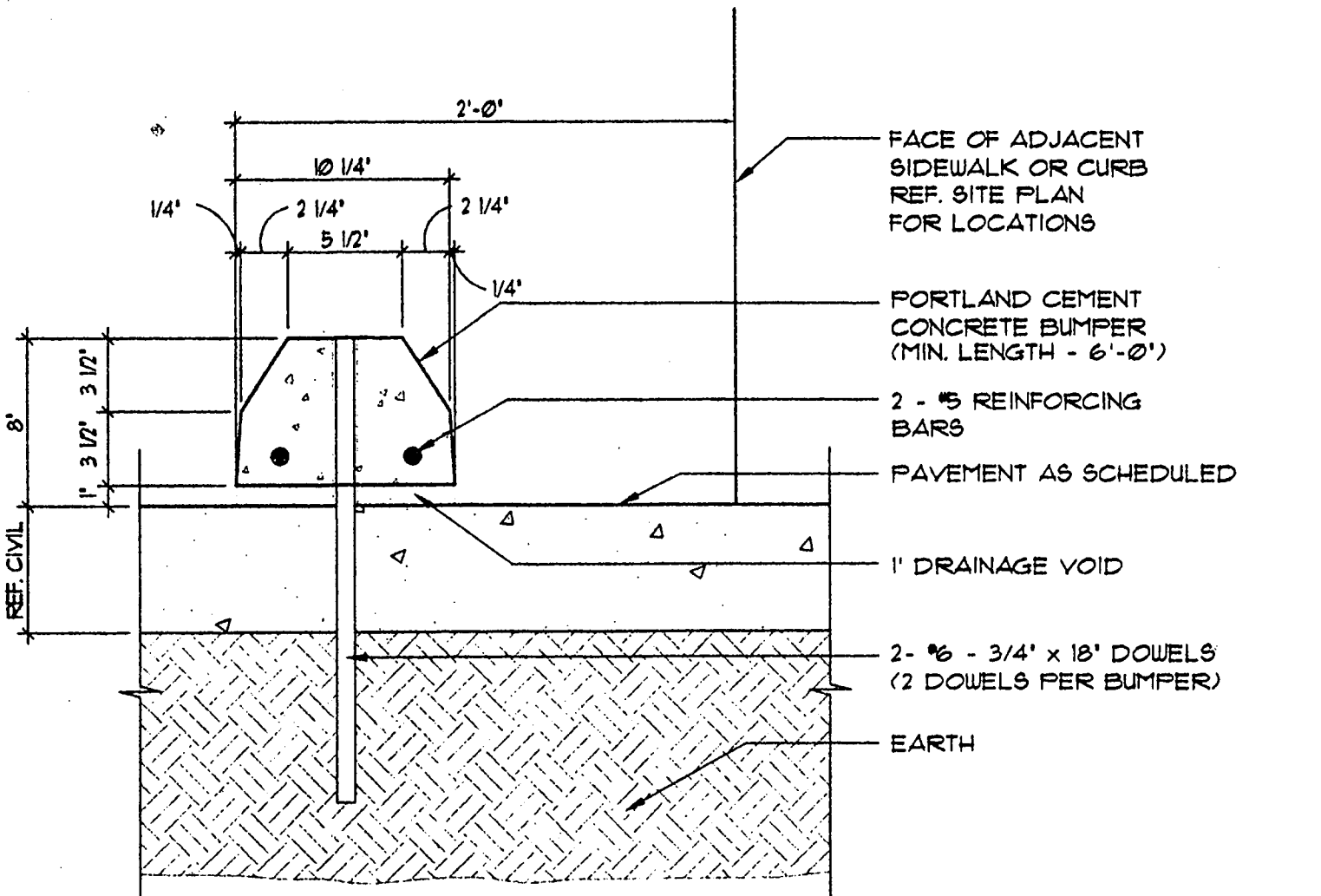
5 CONTROL JOINT DETAIL
A1.02 SCALE: FULL SCALE



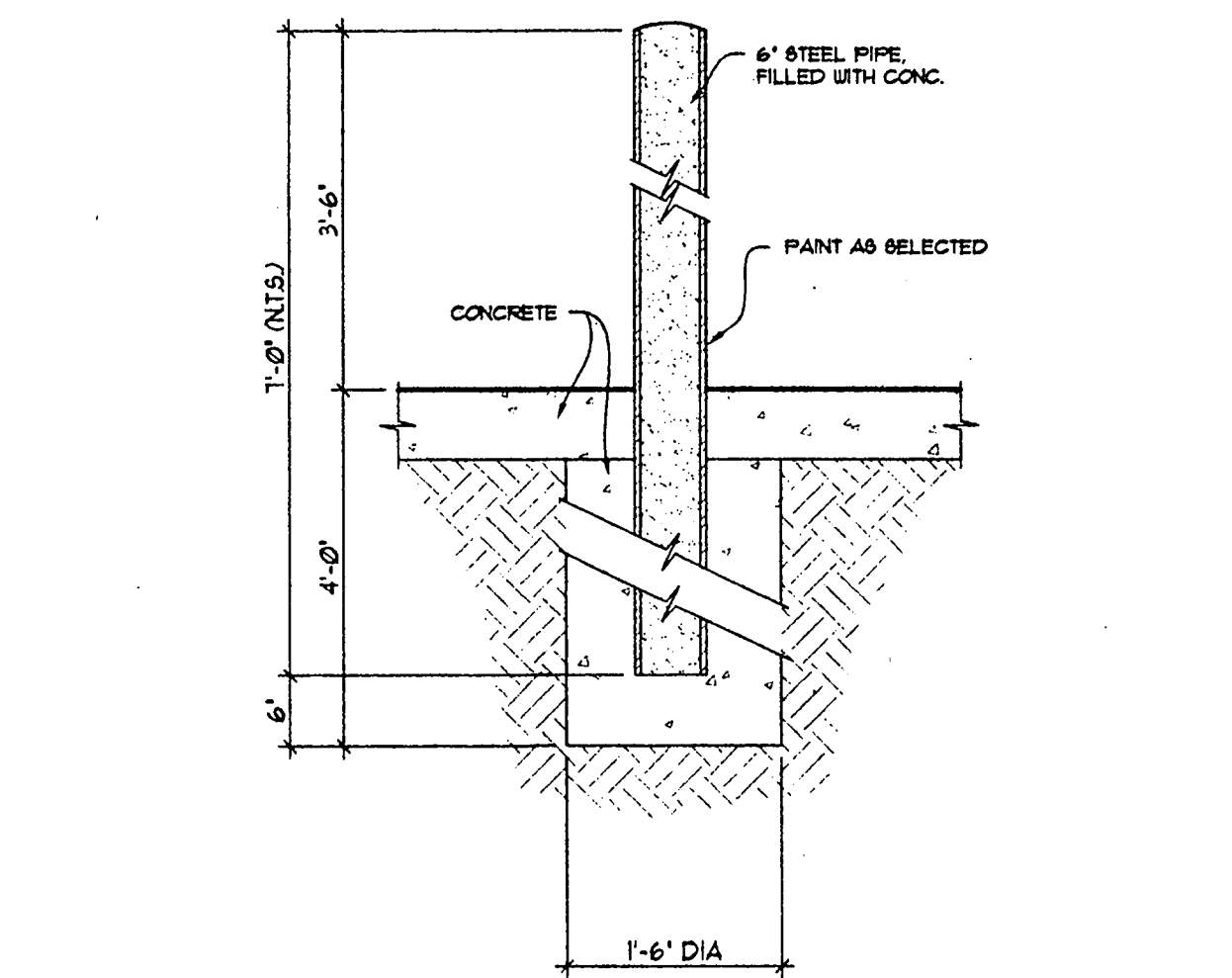
10 LIGHT POLE BASE DETAIL
A1.02 SCALE: 1/2" = 1'-0"



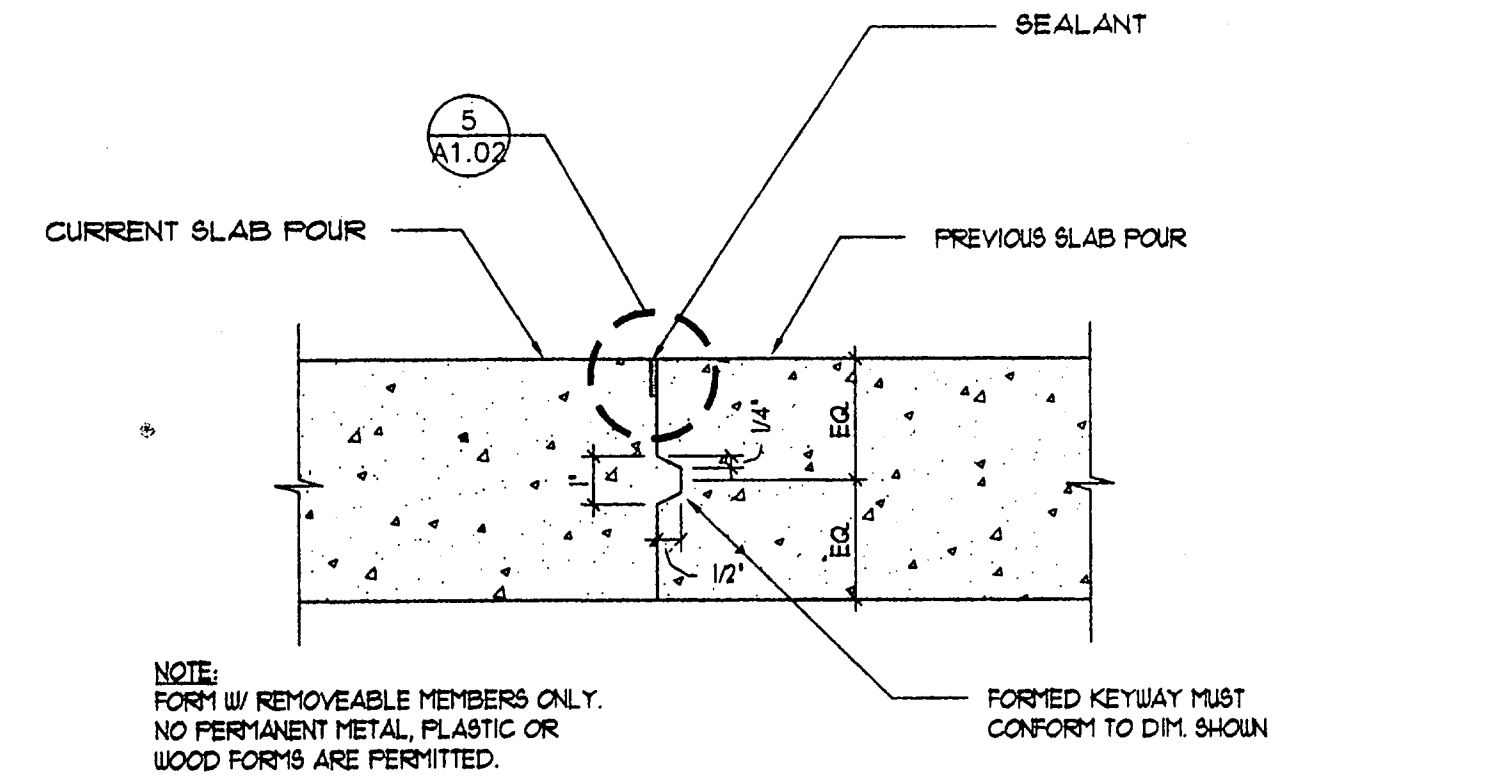
6 PAINTED H.C. SYMBOL
A1.02 SCALE: 1" = 1'-0"



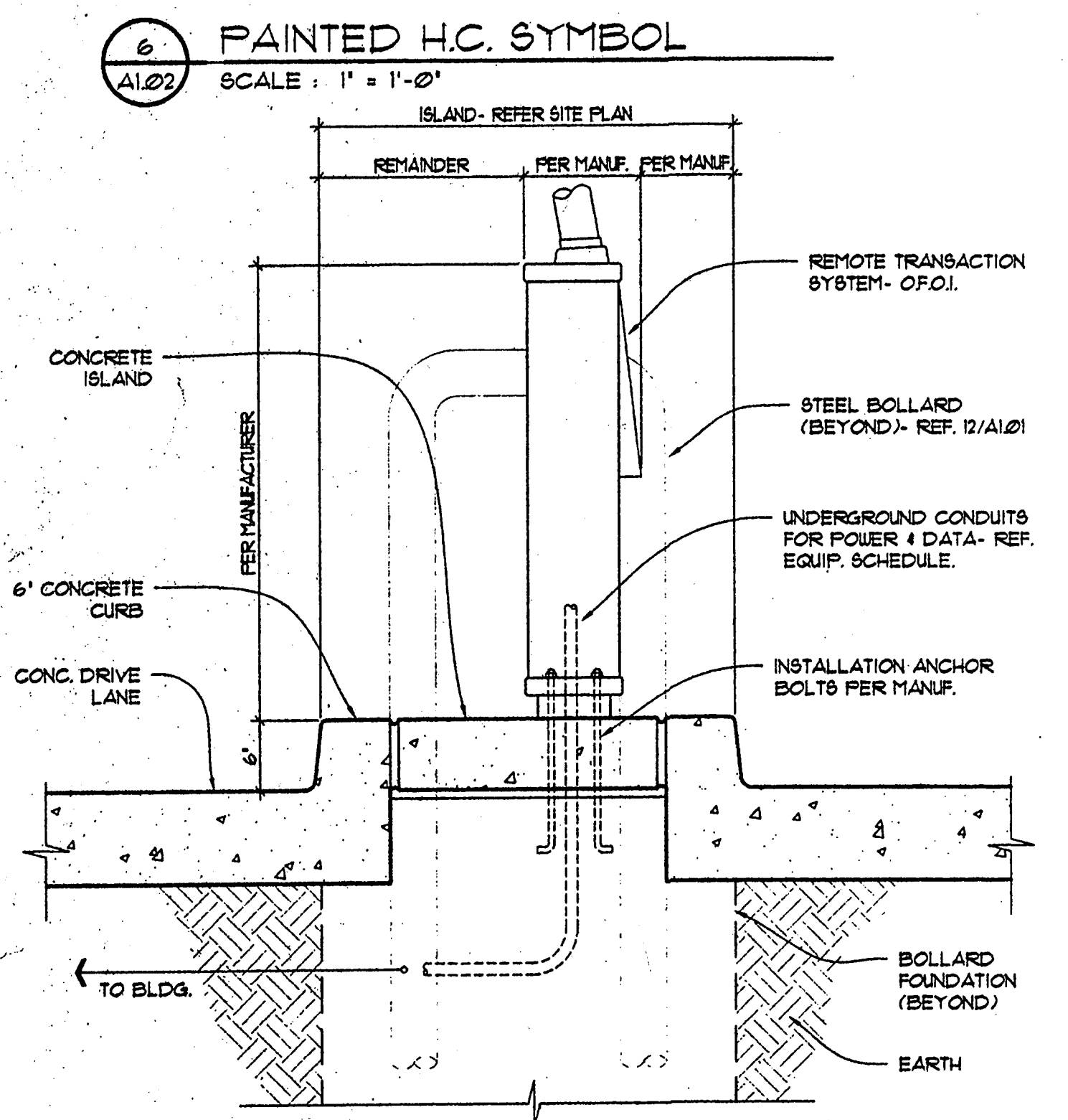
7 CONCRETE WHEEL STOP
A1.02 SCALE: 1-1/2" = 1'-0"



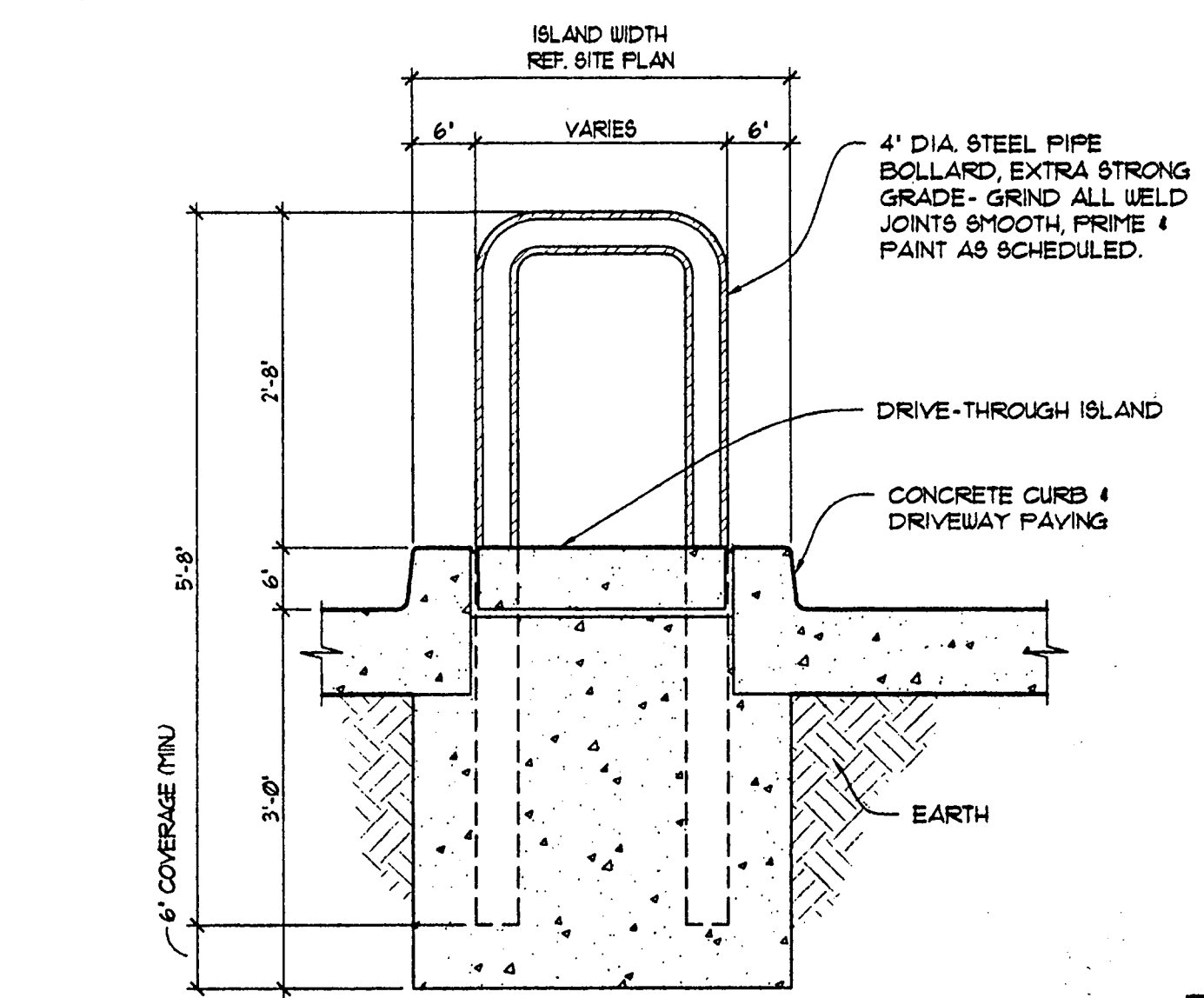
9 TYP. BOLLARD DETAIL
A1.02 SCALE: 3/4" = 1'-0"



8 CONCRETE CONSTRUCTION JOINT
A1.02 SCALE: 3" = 1'-0"

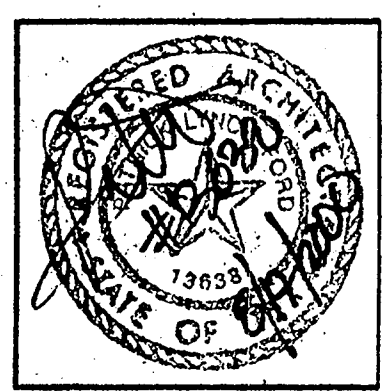


11 DETAIL - TELLER UNIT @ DRIVE-THRU
A1.02 SCALE: 1" = 1'-0"



12 SECTION - 'U' SHAPED BOLLARD
A1.02 SCALE: 3/4" = 1'-0"

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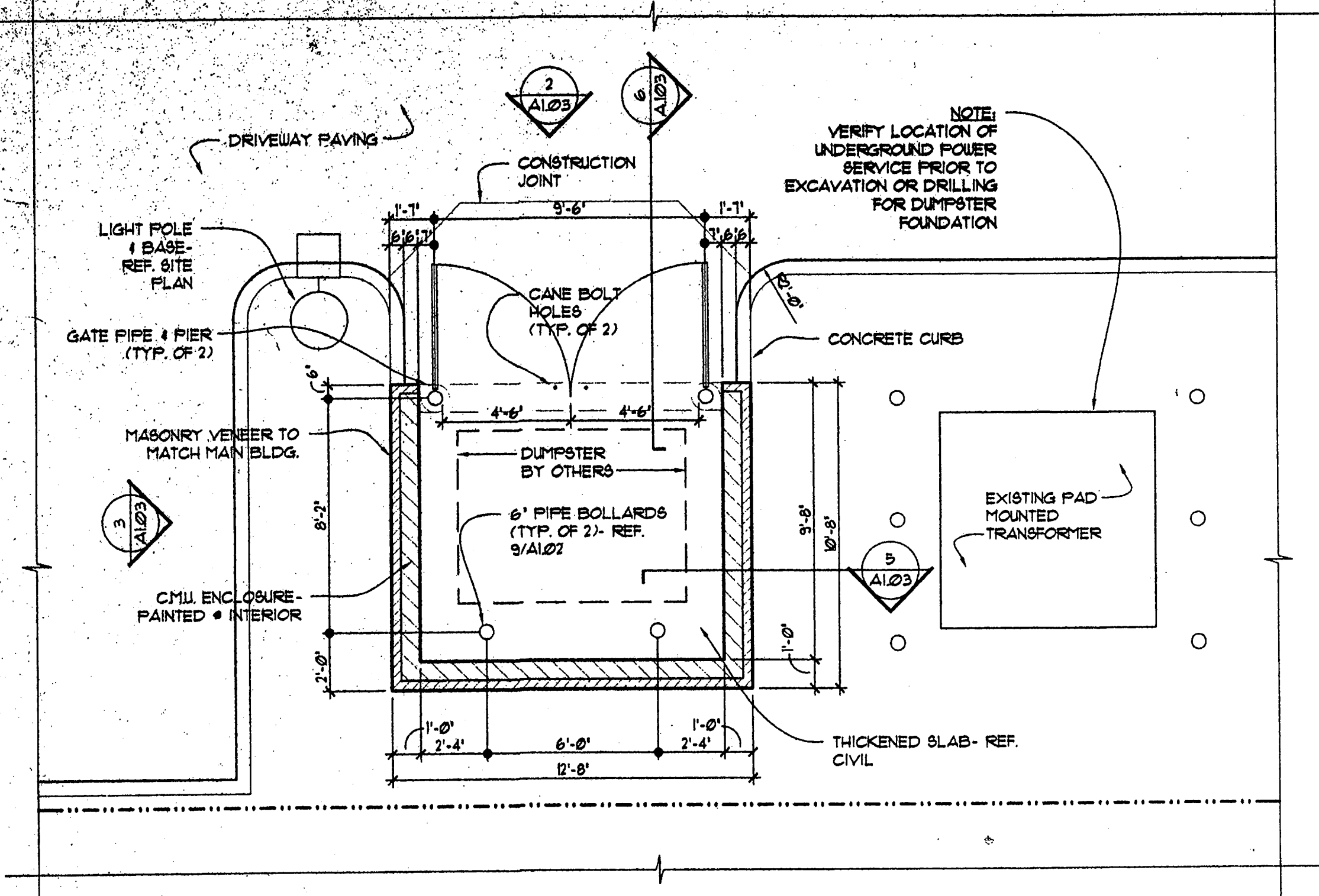
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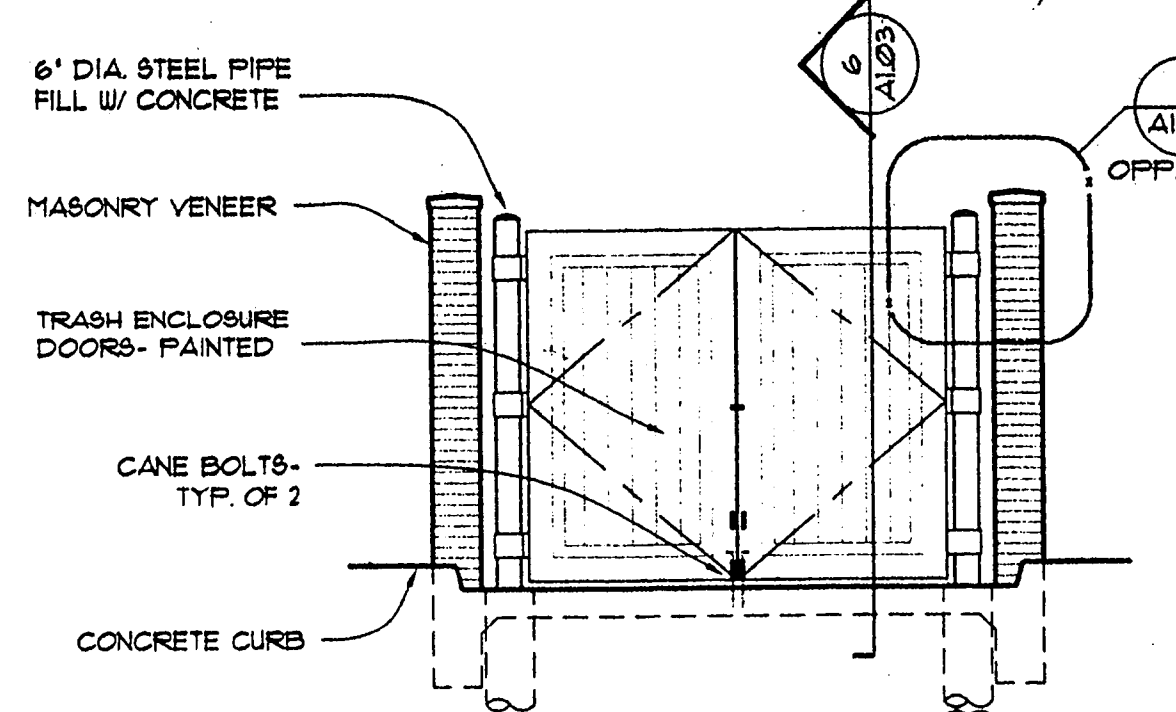
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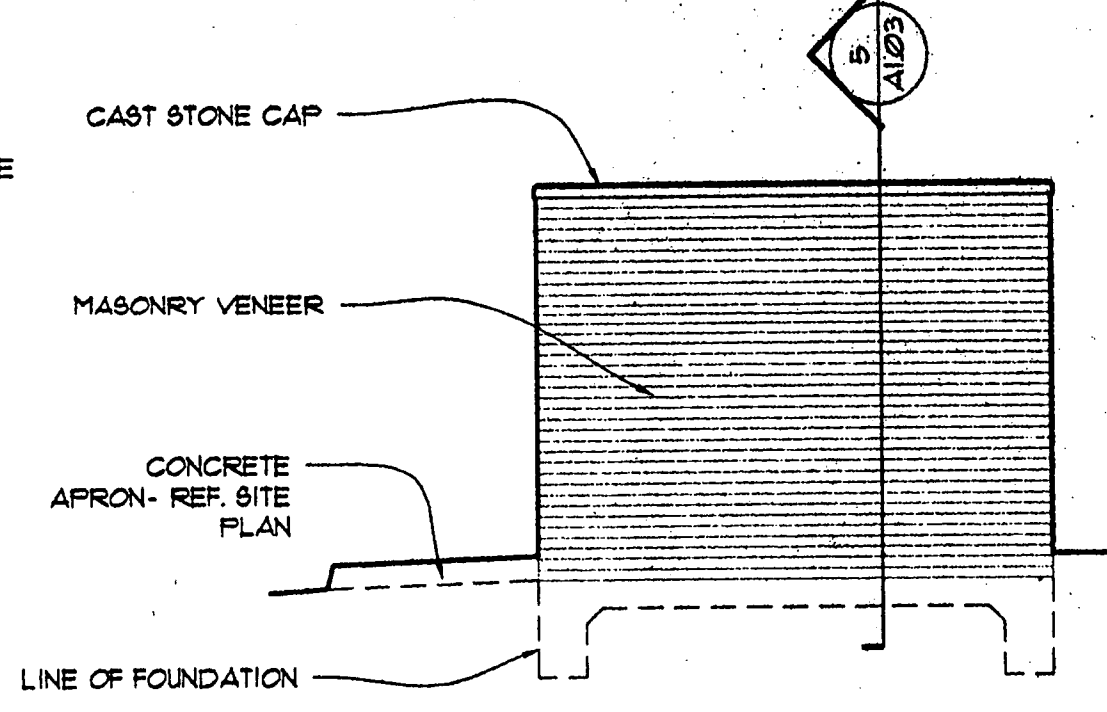
SITE DETAILS



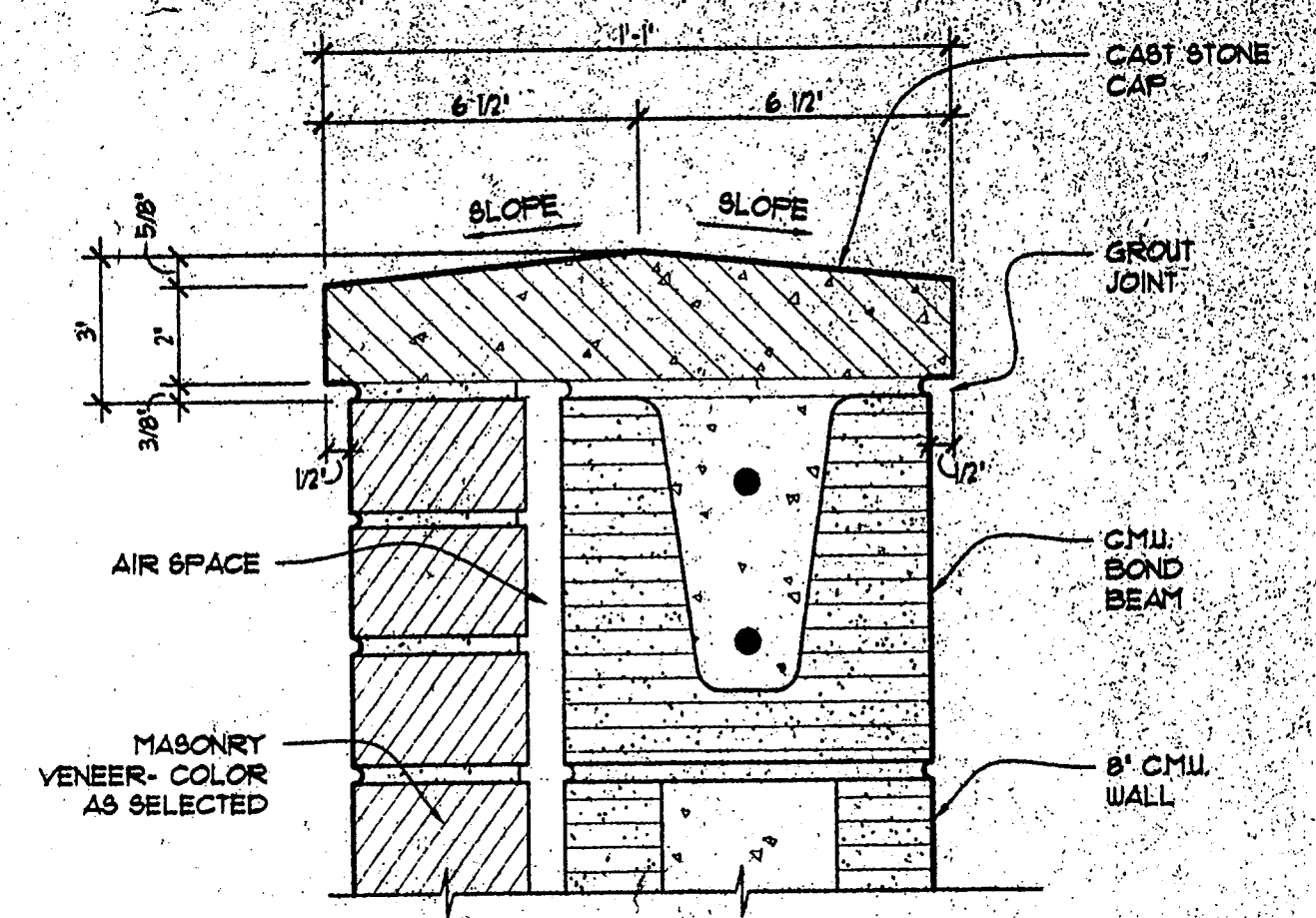
1 ENLARGED DUMPSTER ENCLOSURE PLAN
 A1.03 SCALE: 1/4" = 1'-0"



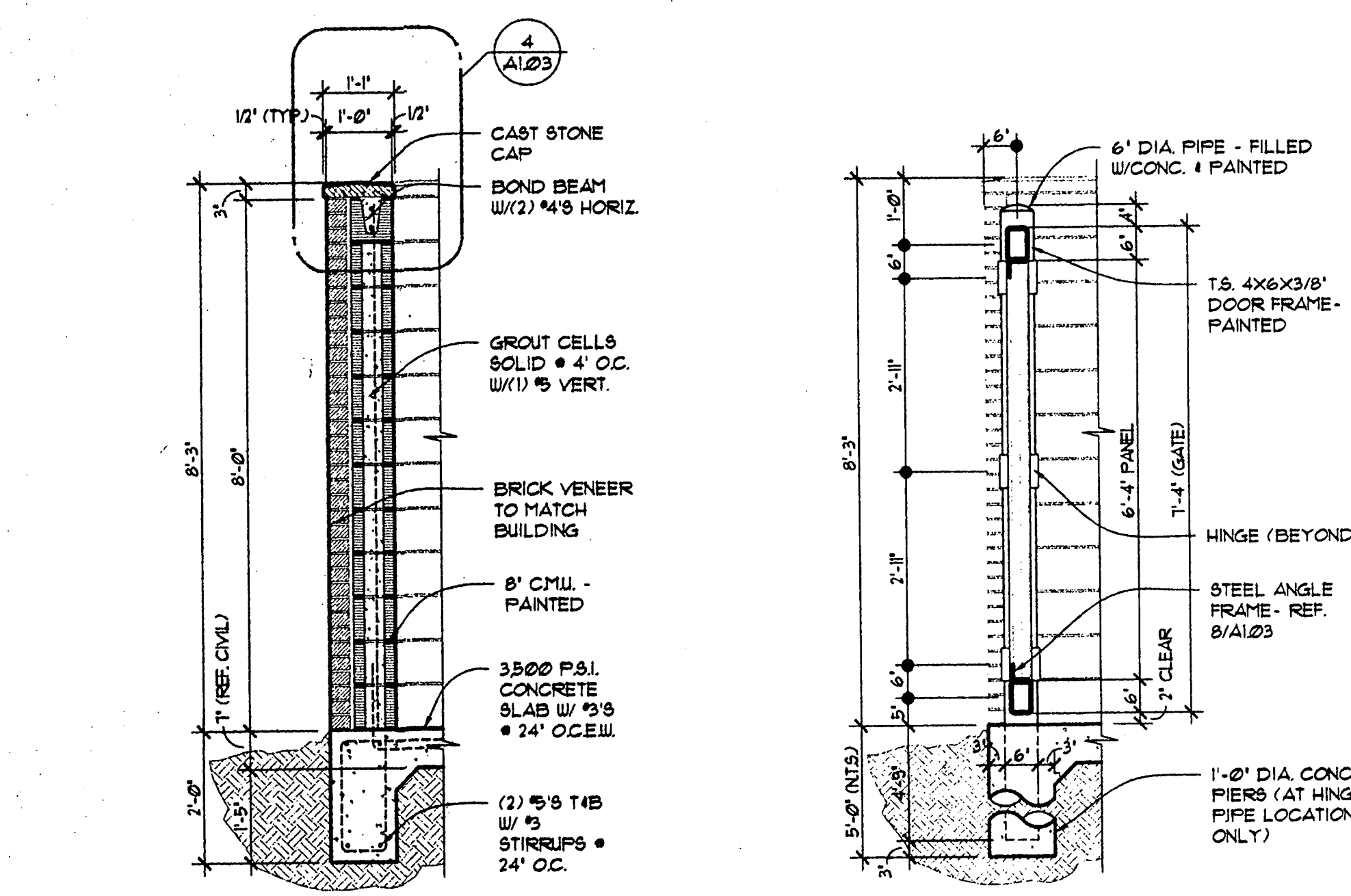
2 DUMPSTER ENCLOSURE
 A1.03 SCALE: 1/4" = 1'-0"



3 DUMPSTER ENCLOSURE
 A1.03 SCALE: 1/4" = 1'-0"

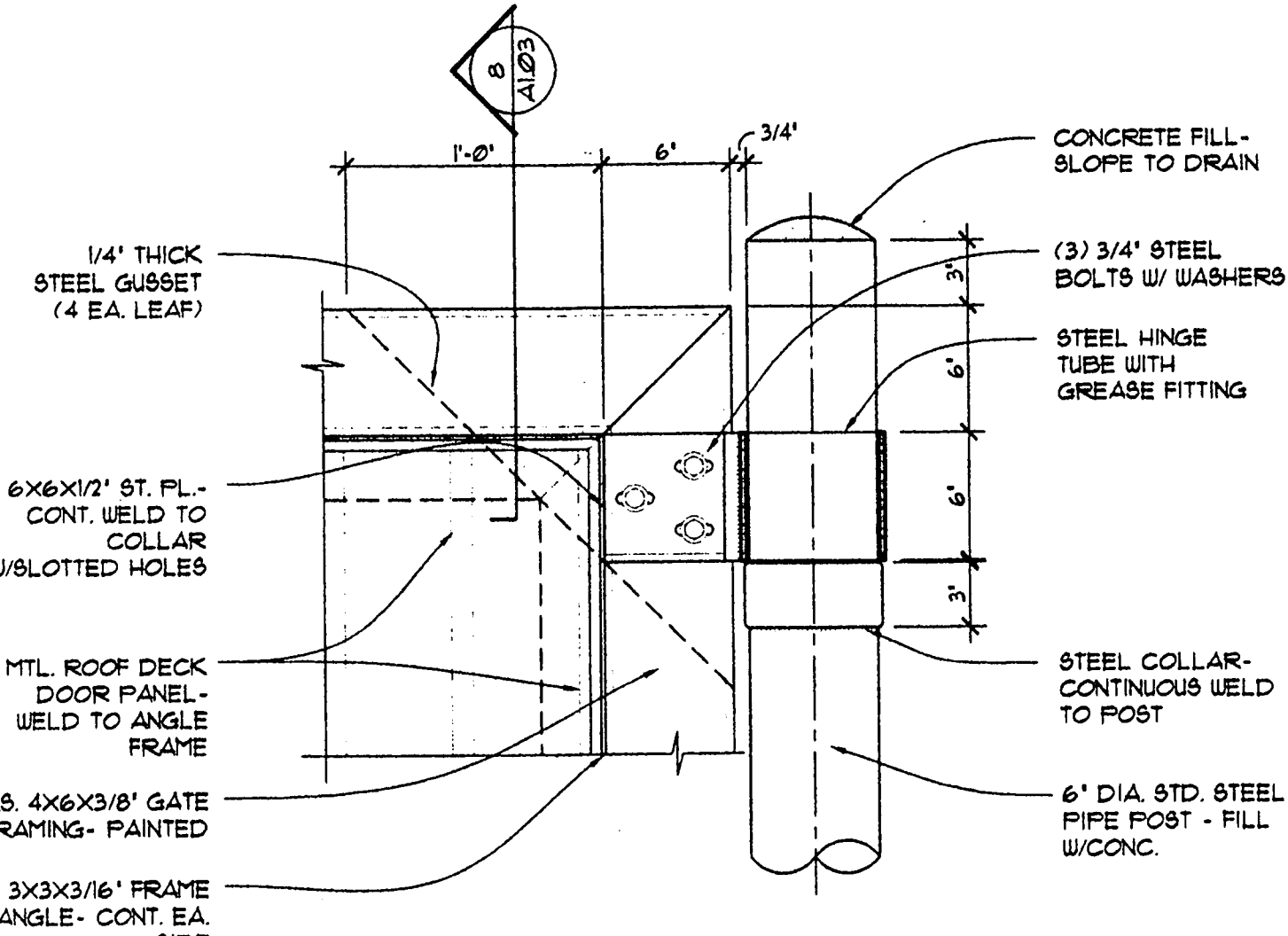


4 DETAIL - WALL CAP
 A1.03 SCALE: 3" = 1'-0"

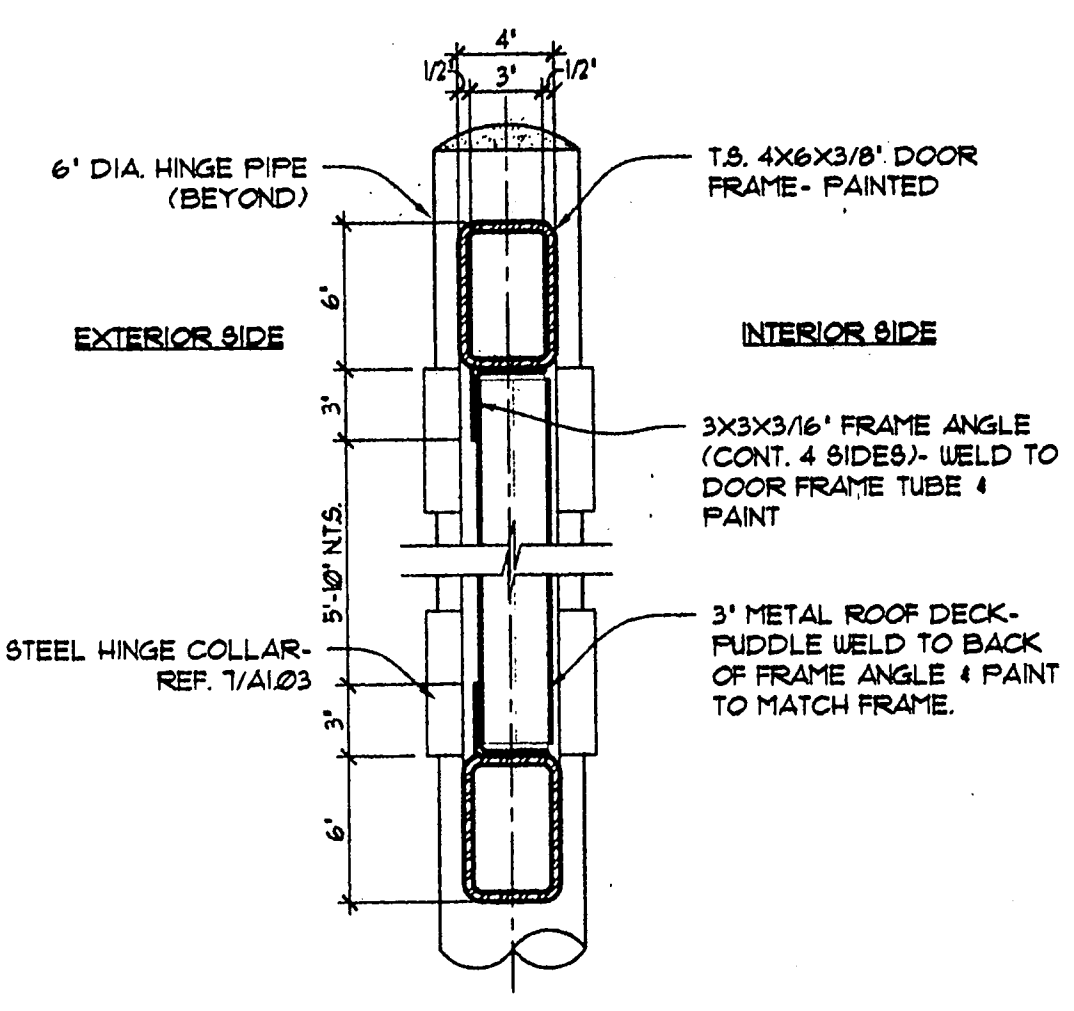


5 SECTION @ DUMPSTER
 A1.03 SCALE: 1/2" = 1'-0"

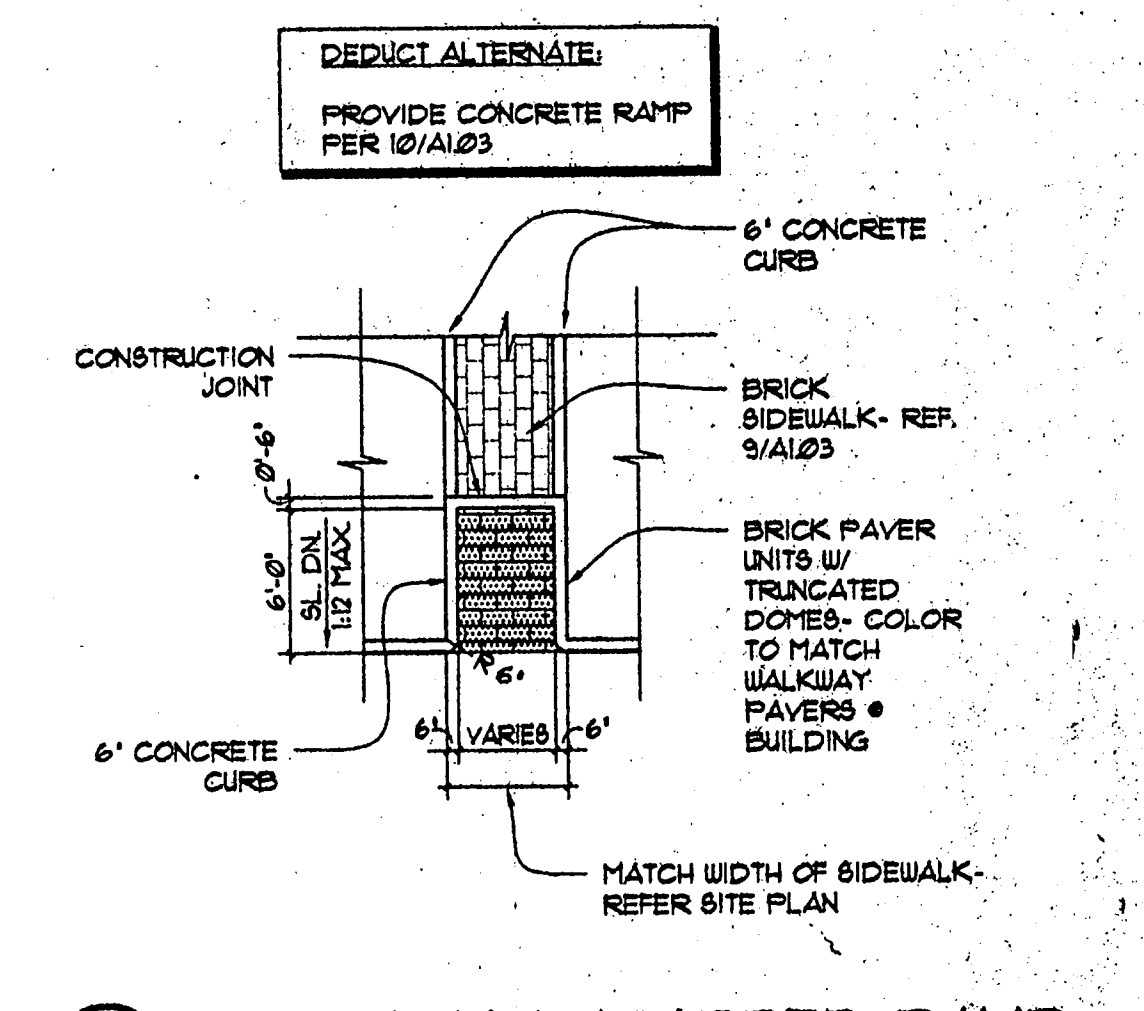
6 SECTION @ DOOR
 A1.03 SCALE: 1/2" = 1'-0"



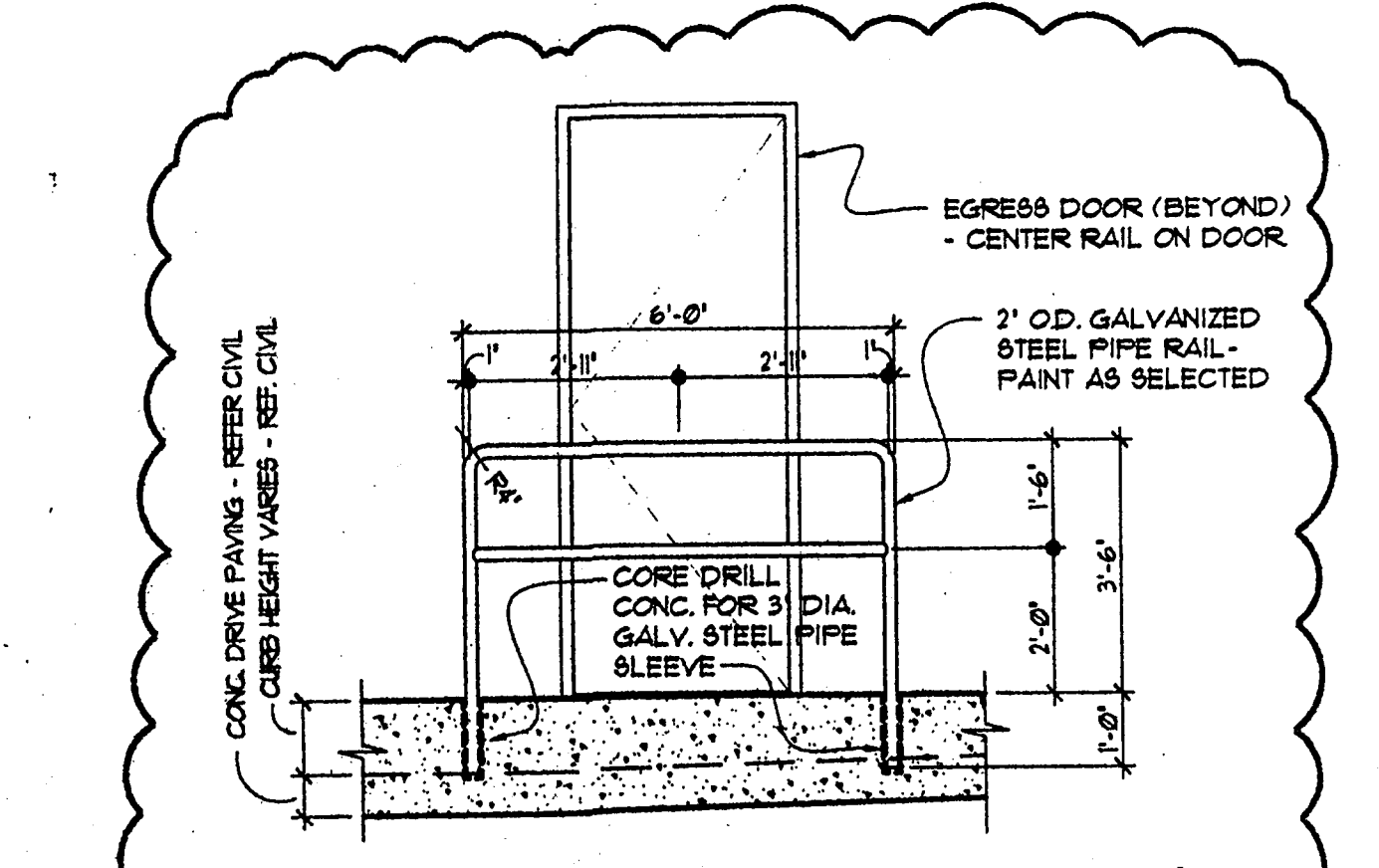
7 DETAIL - DUMPSTER HINGE
 A1.03 SCALE: 1-1/2" = 1'-0"



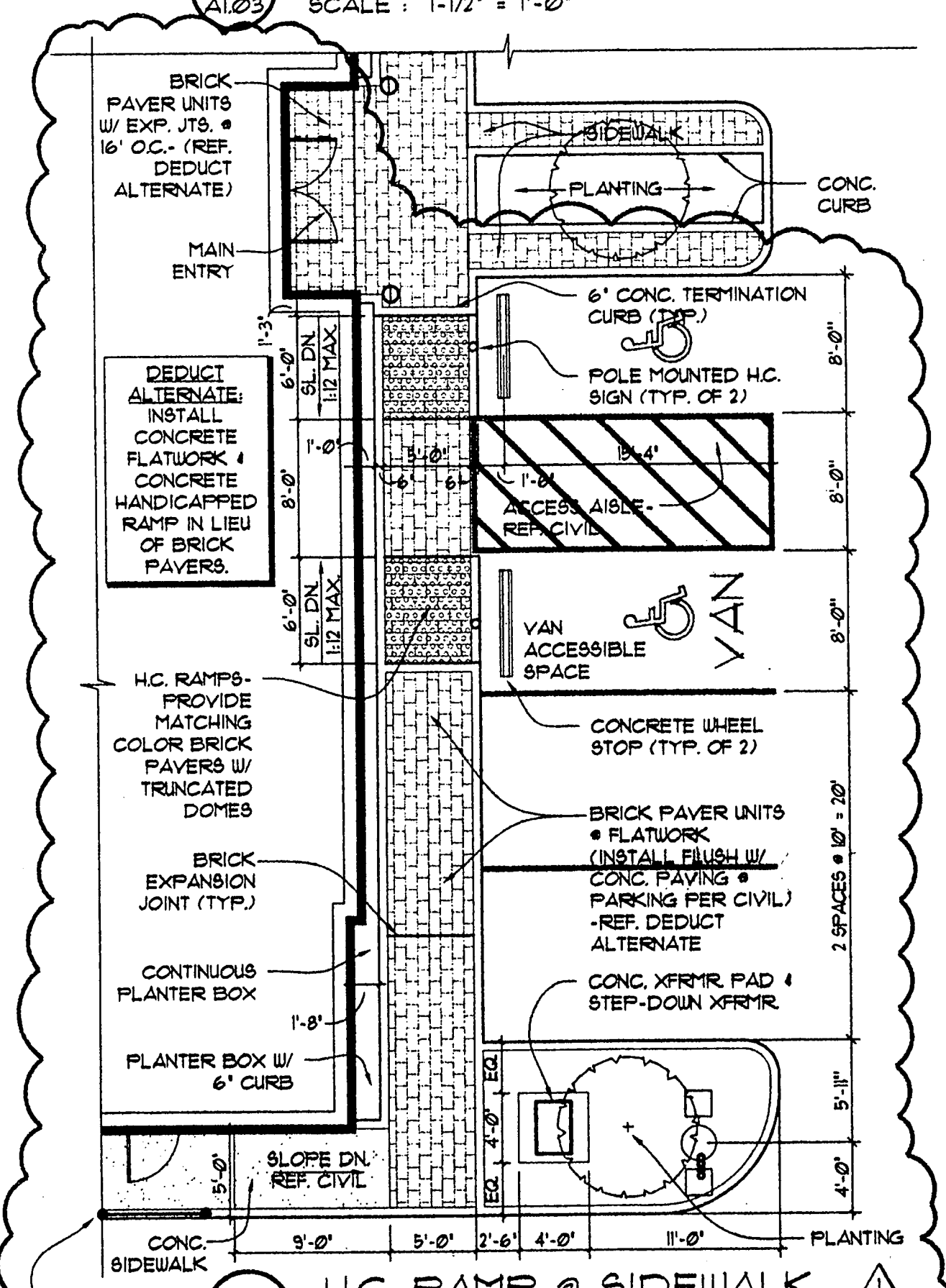
8 DETAIL - DUMPSTER GATE
 A1.03 SCALE: 1-1/2" = 1'-0"



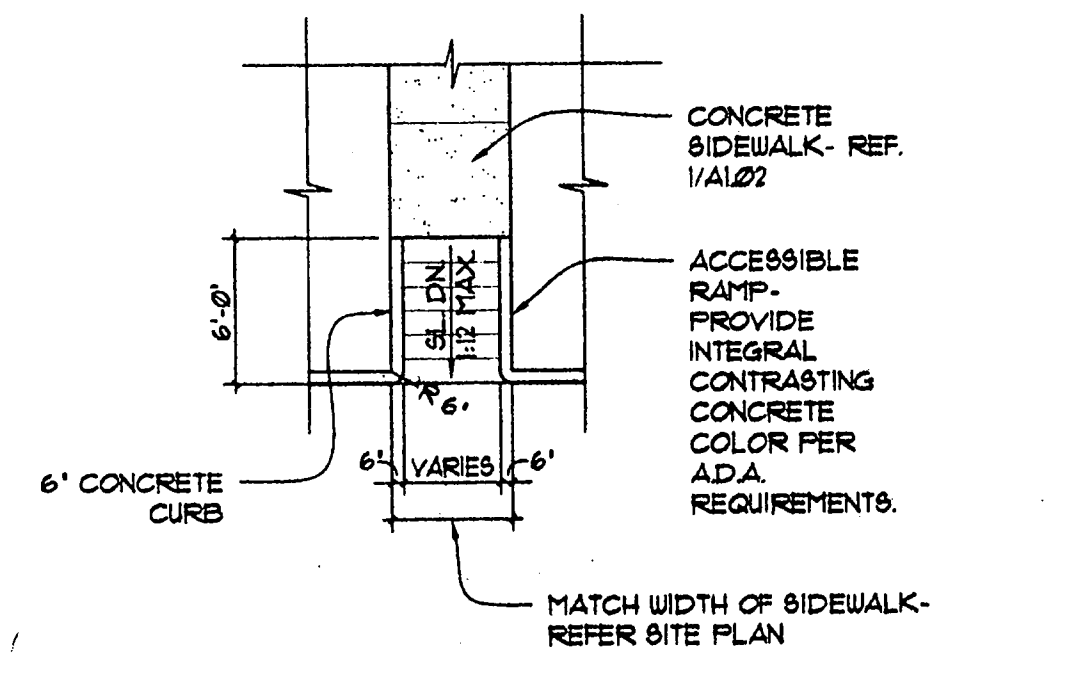
12 BRICK HANDICAPPED RAMP
 A1.03 SCALE: 1/8" = 1'-0"



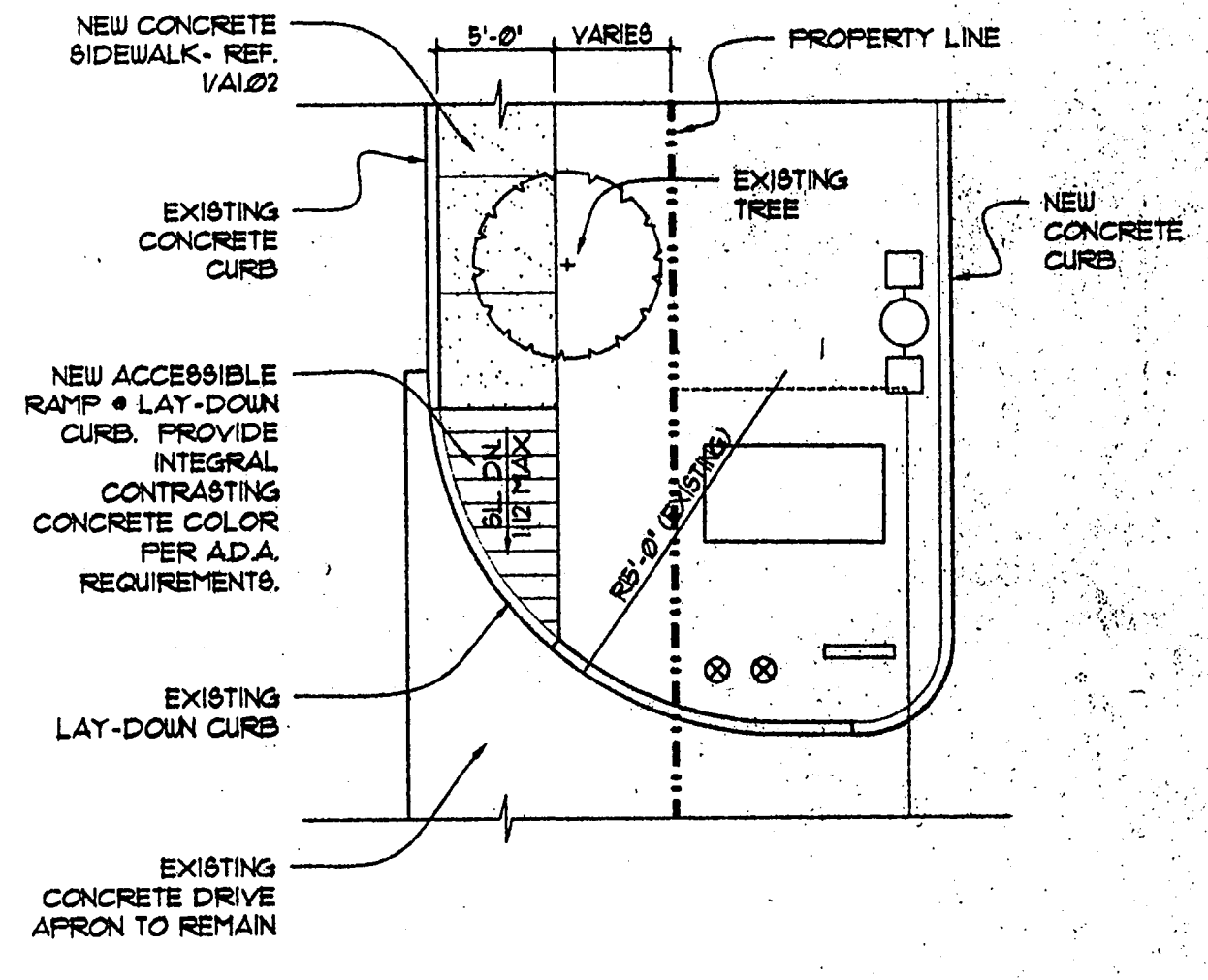
12 REMOVABLE GUARDRAIL
 A1.03 SCALE: 3/8" = 1'-0"



9 H.C. RAMP @ SIDEWALK
 A1.03 SCALE: 1/8" = 1'-0"

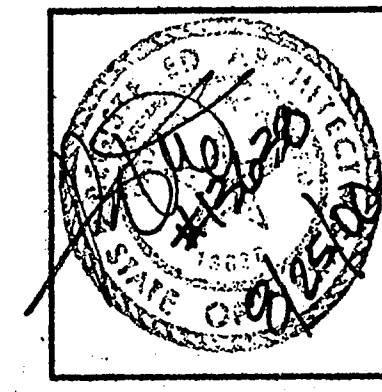


10 TYPICAL HANDICAPPED RAMP
 A1.03 SCALE: 1/8" = 1'-0"



11 HANDICAPPED RAMP
 A1.03 SCALE: 1/8" = 1'-0"

NOTE: REMOVE FLATWORK PAVING 4" FOR MORTAR SET BRICK PAVERS WHERE SHOWN.

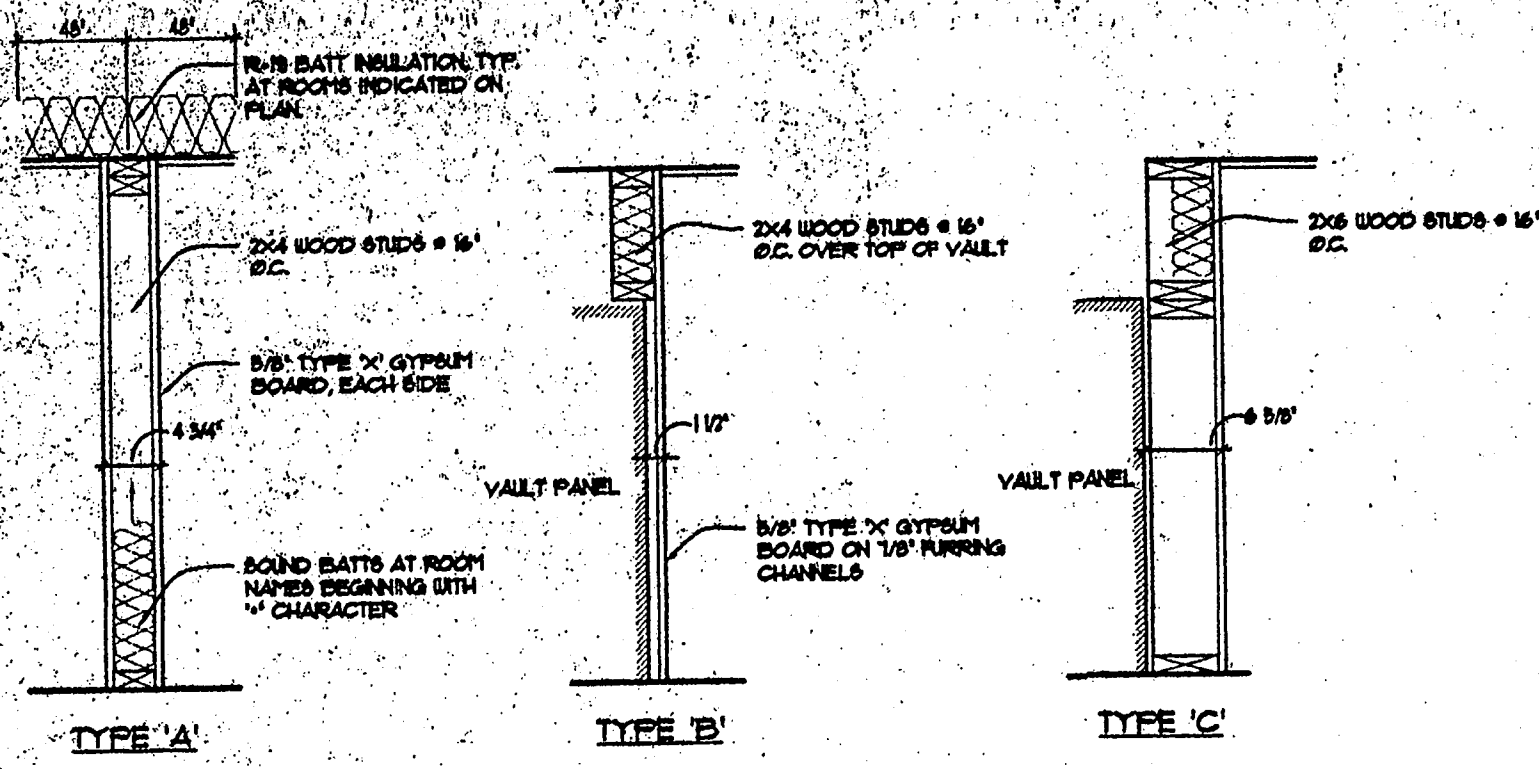


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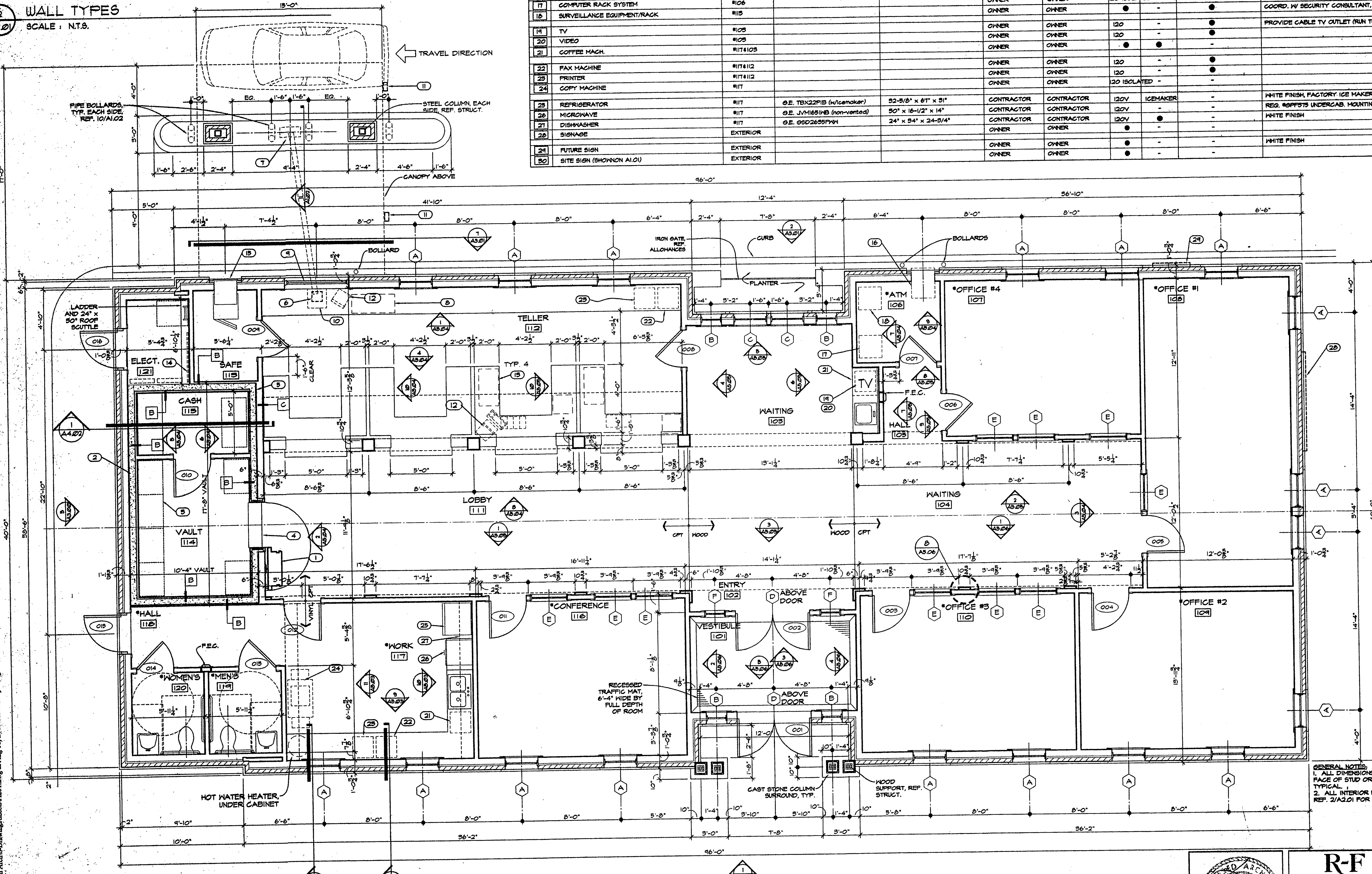
A1.03



2 WALL TYPES
SCALE: N.T.S.

EQUIPMENT SCHEDULE										
NO.	ITEM NAME	ROOM	MFG.	SIZE (WxLxH)	FURNISHED	INSTALLED	ELEC.	PLUMB.	DATA/SECURITY	REMARKS
1	BANK VAULT DOOR	#14	CONCO	48" X 82" R.O. (VERIFY)	OWNER	OWNER	**	N/A		CONTR. TO OROUT VAULT DOOR FRAME. **PROVIDE (5) J-BOXES & 5/4" CONDUIT ADV. DOOR (1) 120V. 5-SIDED
2	CONC. PANEL BANK VAULT SYSTEM, UL CLASS I	#14	CONCO	17'-8" X 10'-4" X 9'-1"	OWNER	OWNER				
3	SAFETY DEPOSIT BOXES	#14	AMERICAN VAULT	24" DEEP	OWNER	OWNER				INSTALL: FLUSH TO FINISH FLOOR
4	VAULT DOOR BILL PLATE	#14	CONCO	44-1/8" X 24" X 5/8" (VERIFY)	OWNER	CONTRACTOR				COORD. W/ VAULT SYSTEM.
5	CASH VAULT CHESTS	#15	AMERICAN	2'-0" X 5'-4" H (VERIFY)	OWNER	OWNER				
6	OVERHEAD PNEUMATIC TUBE DRIVE-THRU SYSTEM	CANOPY	CONCO	VERIFY	OWNER	CONTRACTOR/OWNER				SEE INTERIOR ELEVATION FOR LAYOUT
7	PNEUMATIC TUBE DRIVE-UP CONSOLE	CANOPY	CONCO	VERIFY	OWNER	CONTRACTOR/OWNER				PROVIDE CONDUIT & POWER UNDERGROUND FOR EX. ISLAND (1) 120VOLT, 20A CIRCUIT & (2) SEPARATE 1/2" CONDUITS WITH FULL STRINGS.
8	UNDERCOUNTER STEEL-DRIVE-THRU TELLER	#112	CONCO	VERIFY	OWNER	OWNER				W/ TINTED GLASS
9	ARMORED DRIVE-UP WINDOW	#112	AMERICAN	62 1/2" X 51 5/4"	OWNER	OWNER				PROVIDE POWER FOR HEATER BLOWER OPTION.
10	DRIVE-UP DEAL DRAWER	#112	AMERICAN	VERIFY	OWNER	OWNER	120V			
11	DRIVE-THRU 'LANE OPEN' LIGHTING (TYP. 2)	CANOPY		VERIFY	OWNER	OWNER	120V			
12	TELLER COMPUTER WORKSTATION	#112			OWNER	OWNER				
13	UNDERCOUNTER STEEL-WALK-UP TELLERS	#112	MOSLER	VERIFY	OWNER	OWNER				
14	TELEPHONE/ SWITCHBOARD SYSTEM	#115			OWNER	CONTRACTOR/OWNER				COORDINATE MALL OPENING. ** ELEC. = 120V 15A
15	NIGHT DROP SAFE	#115	AMERICAN		OWNER	OWNER				
16	ATM MACHINE	#106	LOTT IX	(VERIFY) 24" H X 20 7/8" R.O.	OWNER	OWNER				
17	COMPUTER RACK SYSTEM	#106			OWNER	OWNER	120 ISOLATED			COORD. W/ SECURITY CONSULTANT, SEE NO. #1
18	SURVEILLANCE EQUIPMENT/RACK	#115			OWNER	OWNER				
19	TV	#105			OWNER	OWNER	120			PROVIDE CABLE TV OUTLET (RUN TO ELECT. ROOM #126)
20	VIDEO	#105			OWNER	OWNER	120			
21	COFFEE MACH.	#117 & 105			OWNER	OWNER				
22	FAX MACHINE	#117 & 112			OWNER	OWNER	120			
23	PRINTER	#117 & 112			OWNER	OWNER	120			
24	COPY MACHINE	#117			OWNER	OWNER	120 ISOLATED			
25	REFRIGERATOR	#117	G.E. TEX22PIB (w/ice maker)	52-5/8" x 61" x 51"	CONTRACTOR	CONTRACTOR	120V	ICEMAKER		WHITE FINISH, FACTORY ICE MAKER
26	MICROWAVE	#117	G.E. JYM1851MB (non-vented)	50" x 16-1/2" x 14"	CONTRACTOR	CONTRACTOR	120V			REG. #OFFSETS UNDERCAB. MOUNTING KIT
27	DISHWASHER	#117	G.E. GSC2659FW	24" x 24" x 24-3/4"	CONTRACTOR	CONTRACTOR	120V			WHITE FINISH
28	SIGNAGE	EXTERIOR			OWNER	OWNER				
29	FUTURE SIGN	EXTERIOR			OWNER	OWNER				WHITE FINISH
30	SITE SIGN (SHOWN ALO)	EXTERIOR			OWNER	OWNER				

EQUIPMENT NOTES:
1. REFER ELEC. FOR ALL DATA, CONDUIT, TELEPHONE & SECURITY J-BOX LOCATIONS.
2. CONTRACTOR SHALL PROVIDE ELECTRICAL, PLUMBING AND DATA J-BOXES FOR ALL ITEMS NOTED ABOVE.



ROOM NAMES

Number	Name
101	VESTIBULE
102	ENTRY
103	WAITING
104	WAITING
105	HALL
106	*ATM
107	*OFFICE #4
108	*OFFICE #1
109	*OFFICE #2
110	*OFFICE #3
111	LOBBY
112	TELLER
113	SAFE
114	VAULT
115	CASH
116	*CONFERENCE
117	*WORK
118	*HALL
119	*MEN'S
120	*WOMEN'S
121	ELECT.

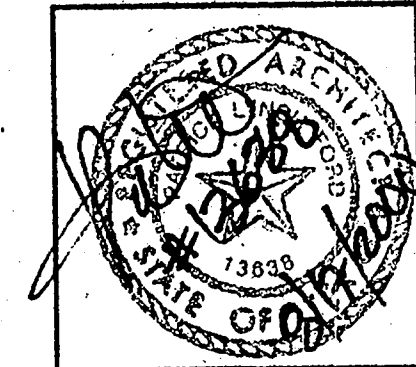
ROOM NOTES:
1. ROOM NAMES BEGINNING WITH "*" ARE TO RECEIVE SOUND BATT INSULATION IN THE WALLS AND ABOVE THE CEILING TO 4'-0" FROM CENTER OF HALL.

WINDOW SCHEDULE

TAG	DESCRIPTION	FIXED CASEMENT
A	32" x 16" (57 1/2" x 81 1/2" R.O.)	CUSTOM
B	28" x 48" (53 1/2" x 53 1/2" R.O.)	FIXED CASEMENT
C	32" x 48" (57 1/2" x 53 1/2" R.O.)	FIXED CASEMENT
D	15" x 20" R.O. APPROX	ARCHED TRANSOM
E	28" x 48" (53 1/2" x 53 1/2" R.O.)	FIXED CASEMENT
F	20" x 48" (29 1/2" x 53 1/2" R.O.)	FIXED CASEMENT

GENERAL NOTES:
ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR TO FACE OF MASONRY, TYPICAL.
2. ALL INTERIOR PARTITIONS ARE TYPE 'A' UNLESS NOTED OTHERWISE. REF. 2(A2.0) FOR WALL TYPE LEGEND.

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



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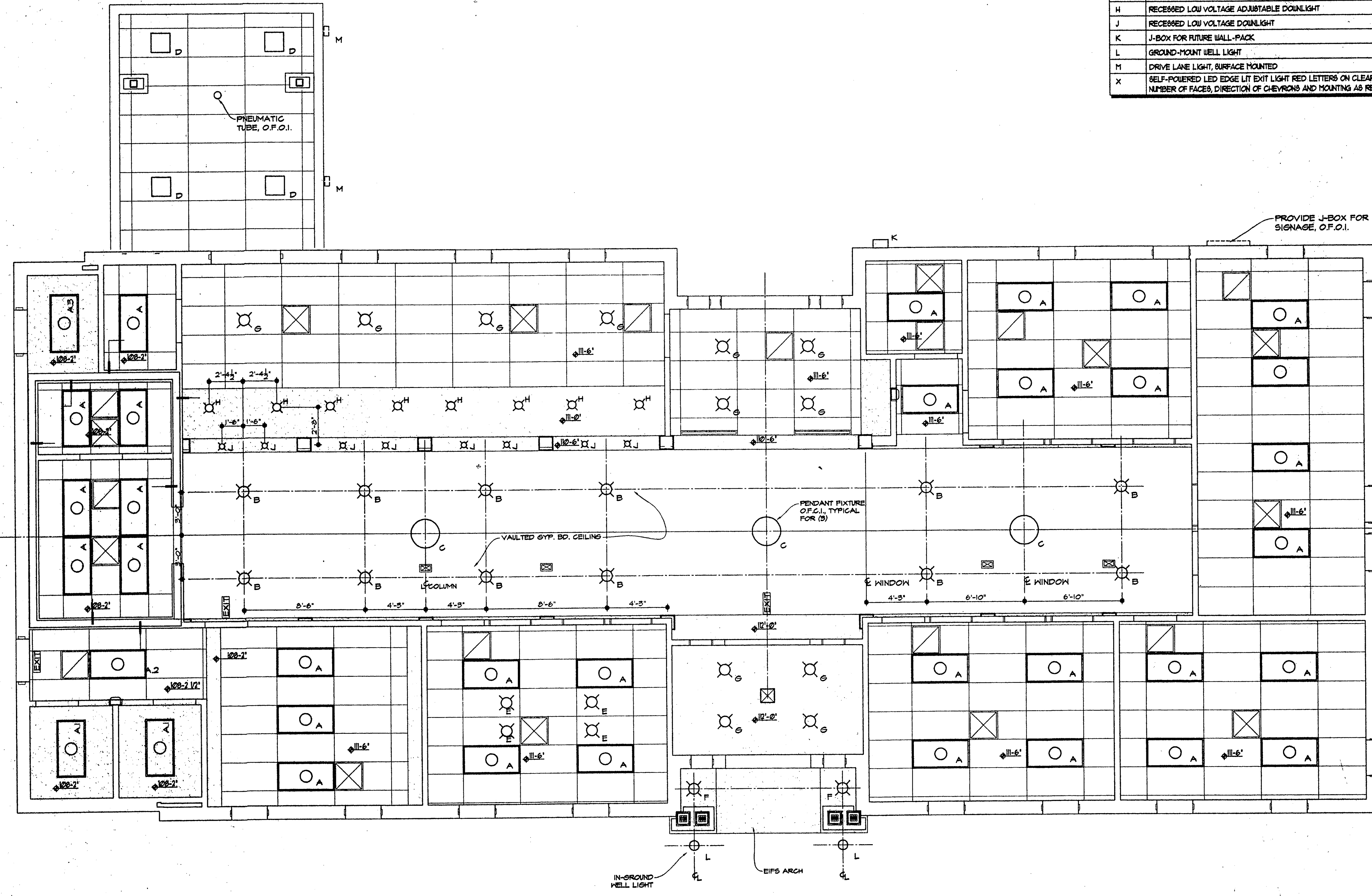
A2.01

FLOOR PLAN

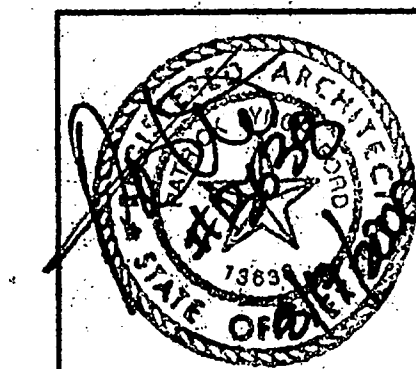
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LIGHT SCHEDULE	
TYPE	DESCRIPTION
A	RECESSED 2X4 PARABOLIC FLOURESCENT FIXTURE 21 CELL
A1	RECESSED AIR HANDLING ACRYLIC LENSED FLOURESCENT TROFFER WITH (3) LAMPS
A2	NOT USED (SAME AS 'A')
A3	SURFACE MOUNTED CHANNEL STRIP FLOURESCENT WITH WIRE GUARD AND (2) LAMPS
B	RECESSED DOWNLIGHT WITH CLEAR REFLECTOR
C	PENDANT LIGHT, O.F.C.I.
D	RECESSED SQUARE METAL HALIDE DOWNLIGHT WITH HFF BALLAST AND GLASS LENS
E	RECESSED MULTI-PURPOSE ADJUSTABLE ACCENT WITH CLEAR REFLECTOR
F	EXTERIOR DOWNLIGHT
G	RECESSED DOWNLIGHT WITH CLEAR REFLECTOR
H	RECESSED LOW VOLTAGE ADJUSTABLE DOWNLIGHT
J	RECESSED LOW VOLTAGE DOWNLIGHT
K	J-BOX FOR FUTURE WALL-PACK
L	GROUND-MOUNT WELL LIGHT
M	DRIVE LANE LIGHT, SURFACE MOUNTED
X	SELF-POWERED LED EDGE LIT EXIT LIGHT RED LETTERS ON CLEAR FACE. NUMBER OF FACES, DIRECTION OF CHEVRONS AND MOUNTING AS REQUIRED.

REFLECTED CEILING PLAN SYMBOL LEGEND	
	LAY-IN ACOUSTICAL CEILING TILE REF. FINISH SCHEDULE/SPECIFICATIONS
	GYP. BOARD CLG. PAINTED REF. FINISH SCHEDULE
	2X4 FLOURESCENT LIGHT REF. LIGHTING SCHED.
	RECESSED INCANDESCENT DOWNLIGHT REF. LIGHTING SCHEDULE
	SUPPLY AIR GRILLE AS SPECIFIED
	RETURN AIR GRILLE AS SPECIFIED



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



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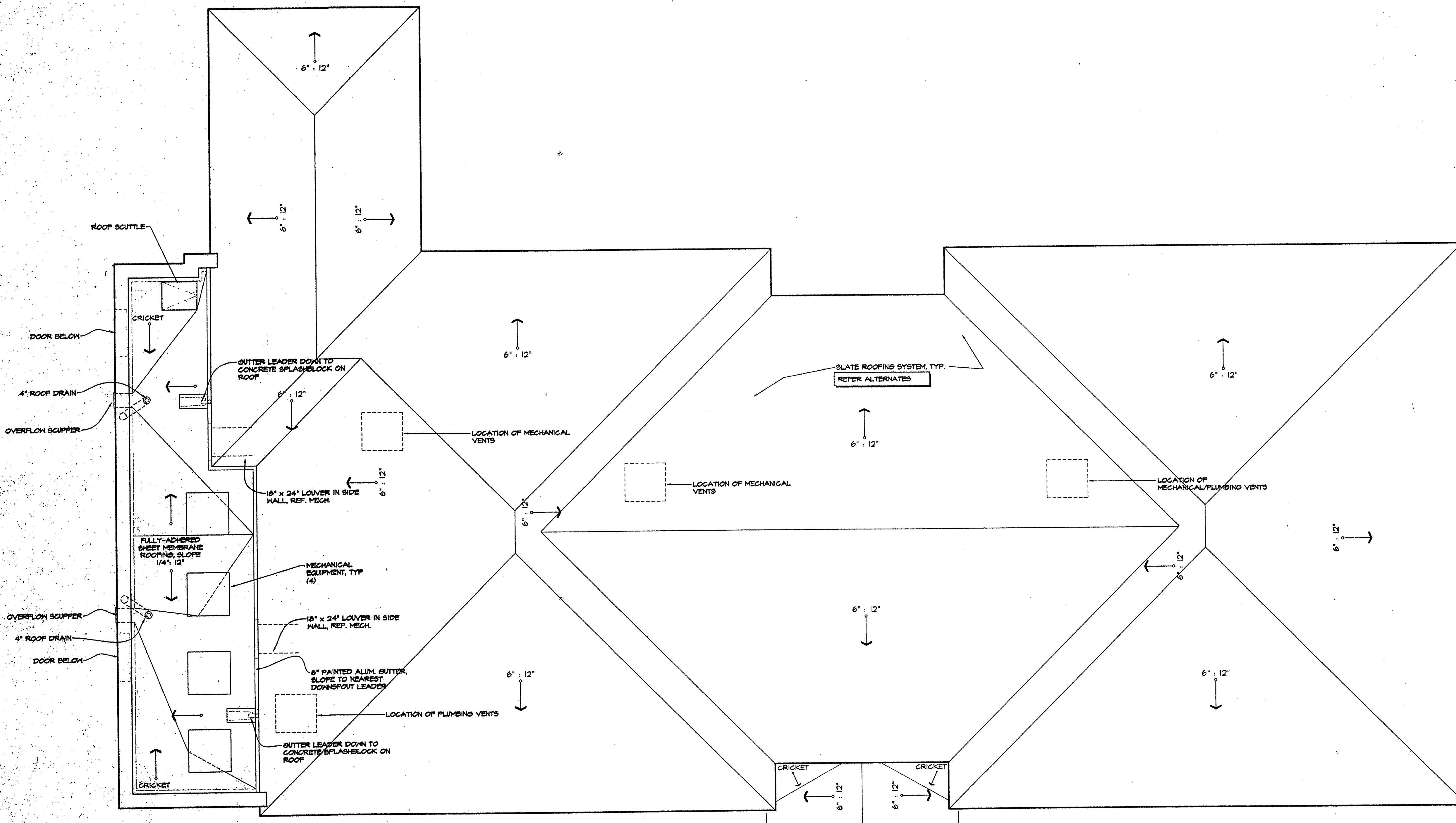
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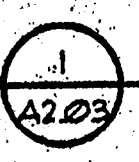
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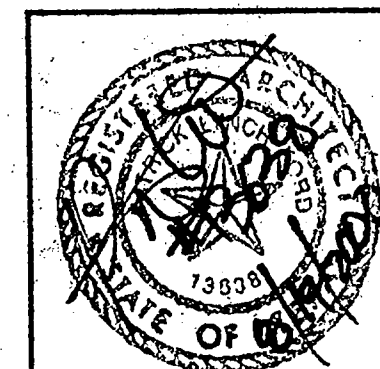
REFLECTED CEILING PLAN

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



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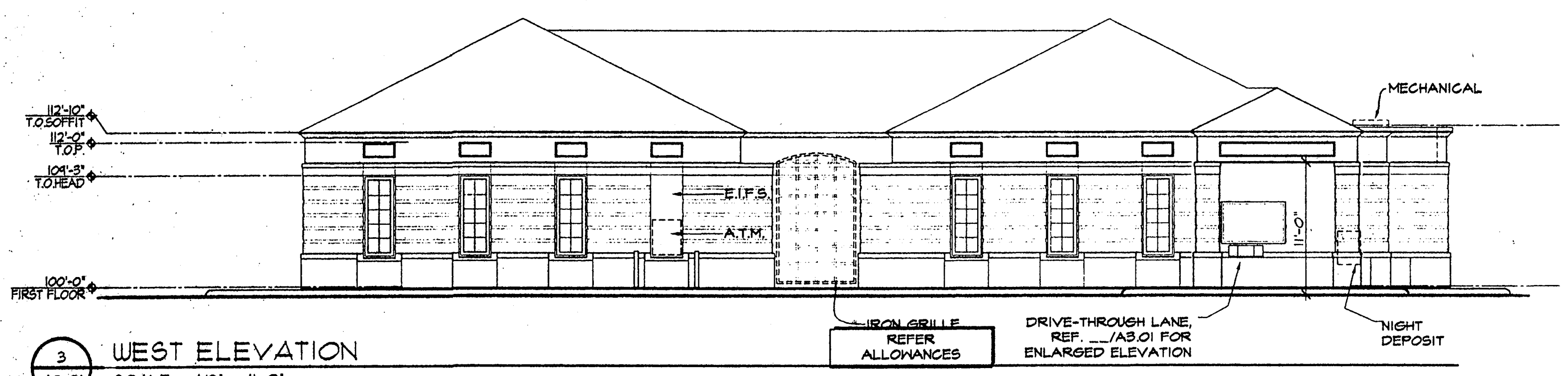
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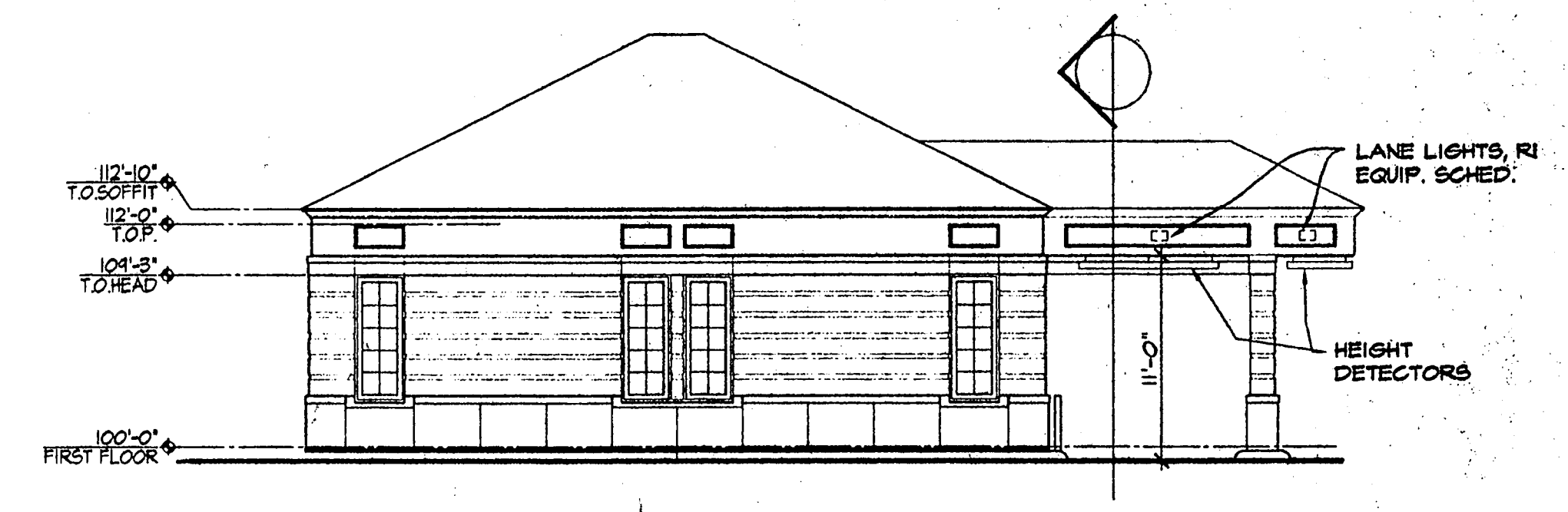
ROOF PLAN



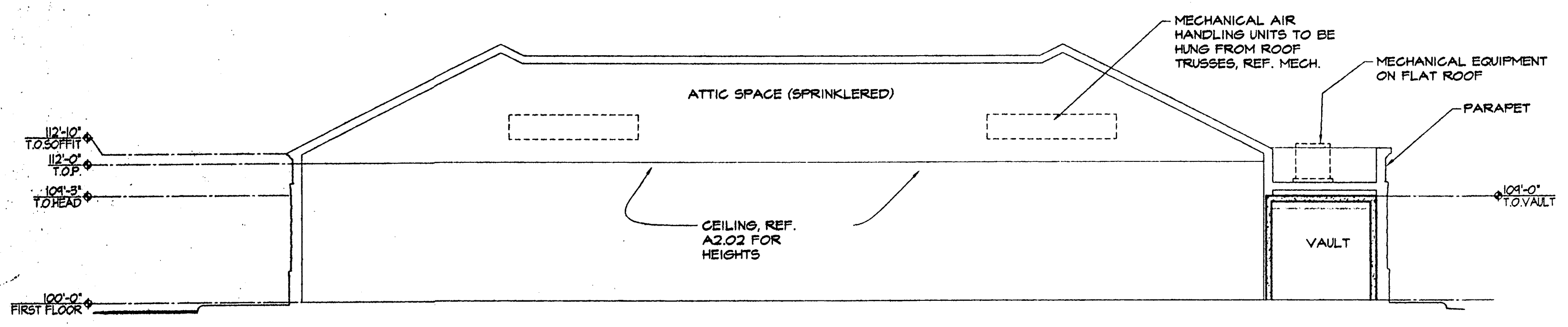
1 EAST ELEVATION
A3.01 SCALE: 1/4" = 1'-0"



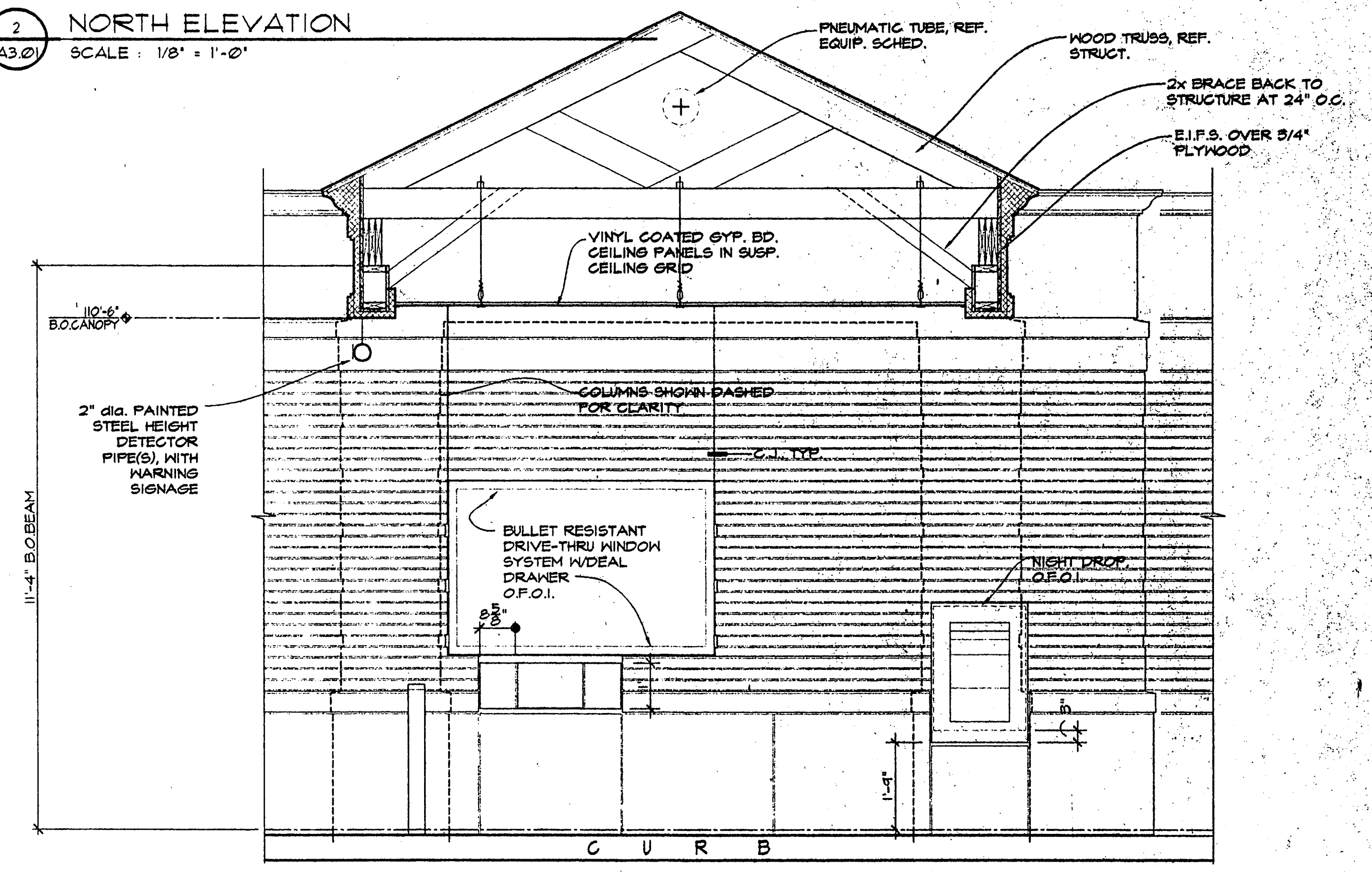
3 WEST ELEVATION
A3.01 SCALE: 1/8" = 1'-0"



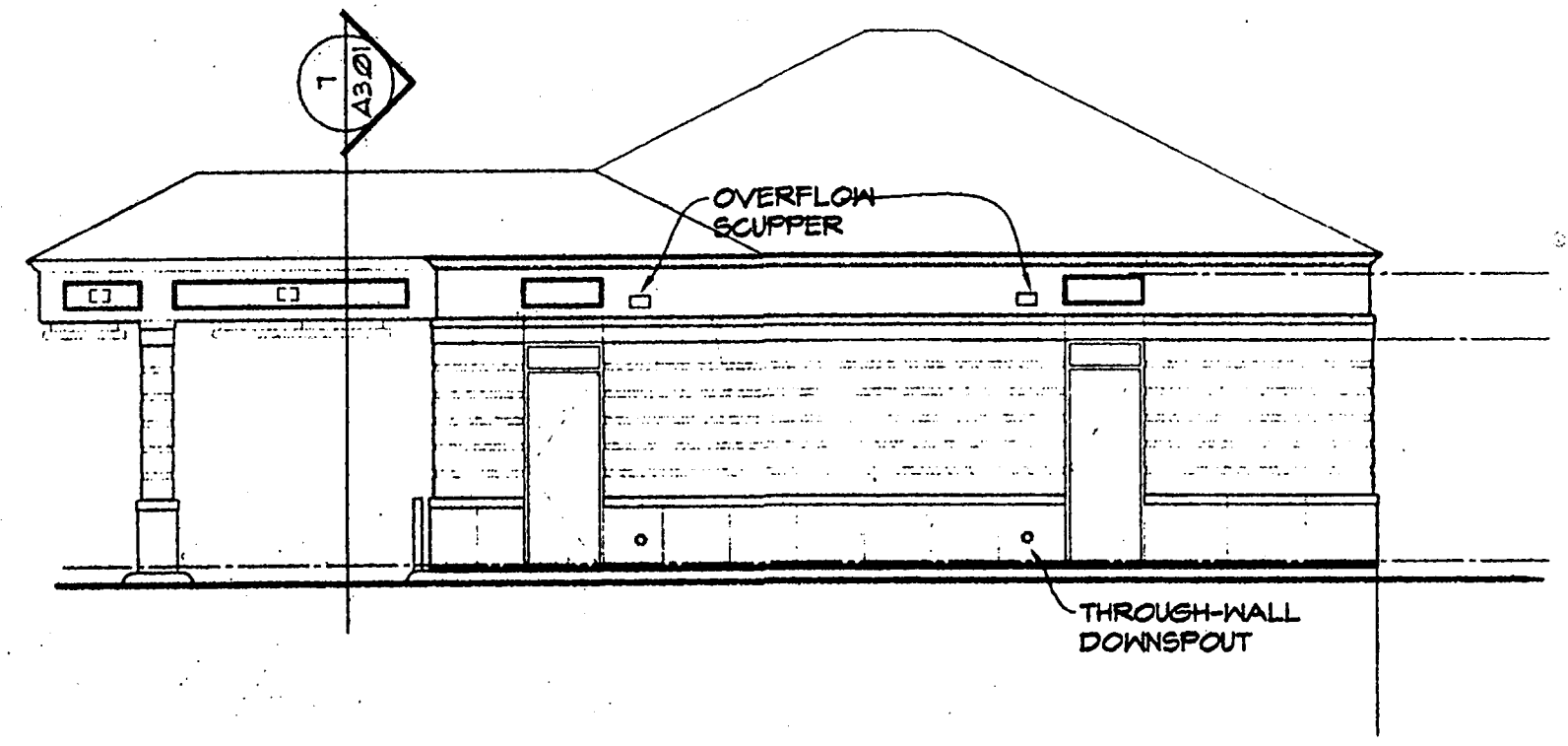
2 NORTH ELEVATION
A3.01 SCALE: 1/8" = 1'-0"



4 BUILDING SECTION
A3.01 SCALE: 1/8" = 1'-0"

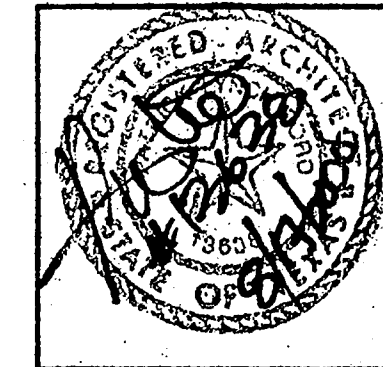


1 ELEVATION OF DRIVE THRU WINDOW & DEPOSITORY
A3.01 SCALE: 1/2" = 1'-0"



5 SOUTH ELEVATION
A3.01 SCALE: 1/8" = 1'-0"

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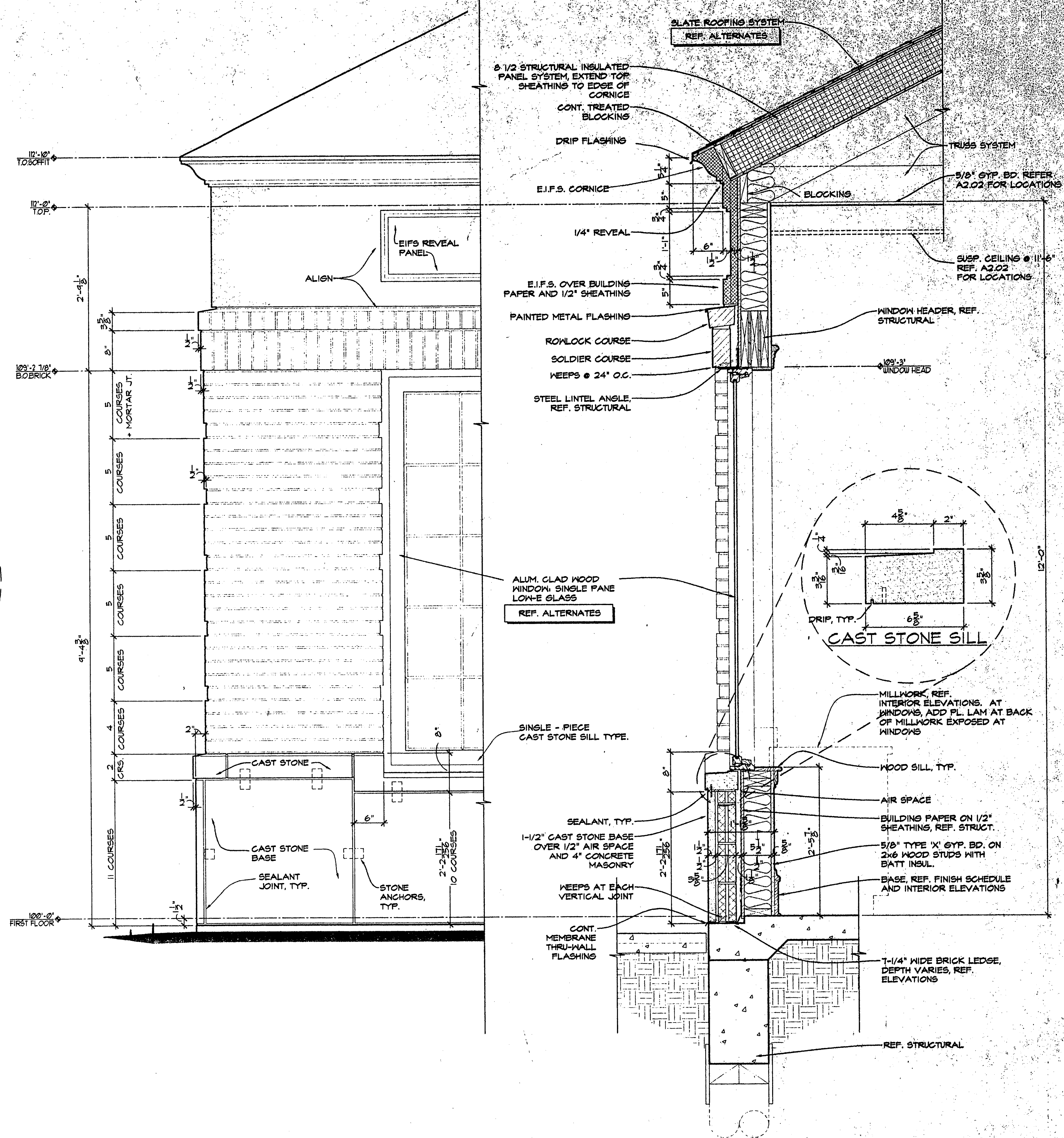
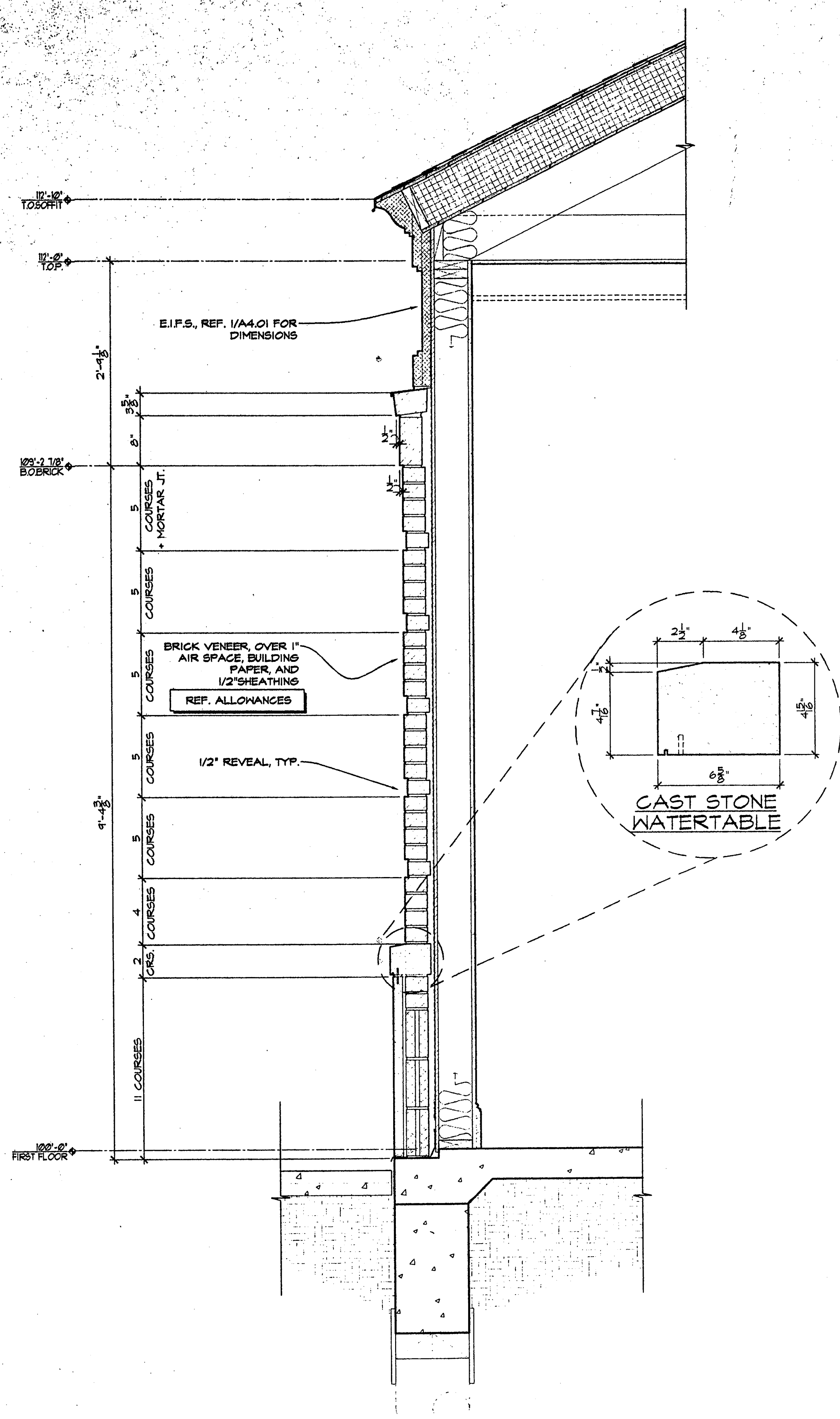
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A3.01

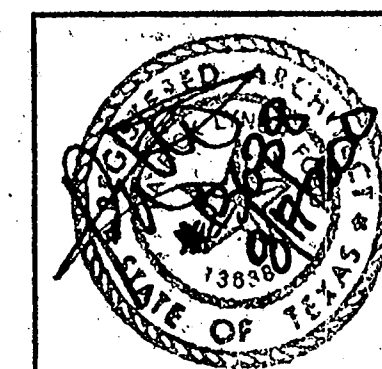
EXTERIOR ELEVATIONS



2 TYPICAL WALL SECTION
 A4.01 SCALE: 1" = 1'-0"

1 WALL SECTION / PARTIAL ELEVATION
 A4.01 SCALE: 1" = 1'-0"

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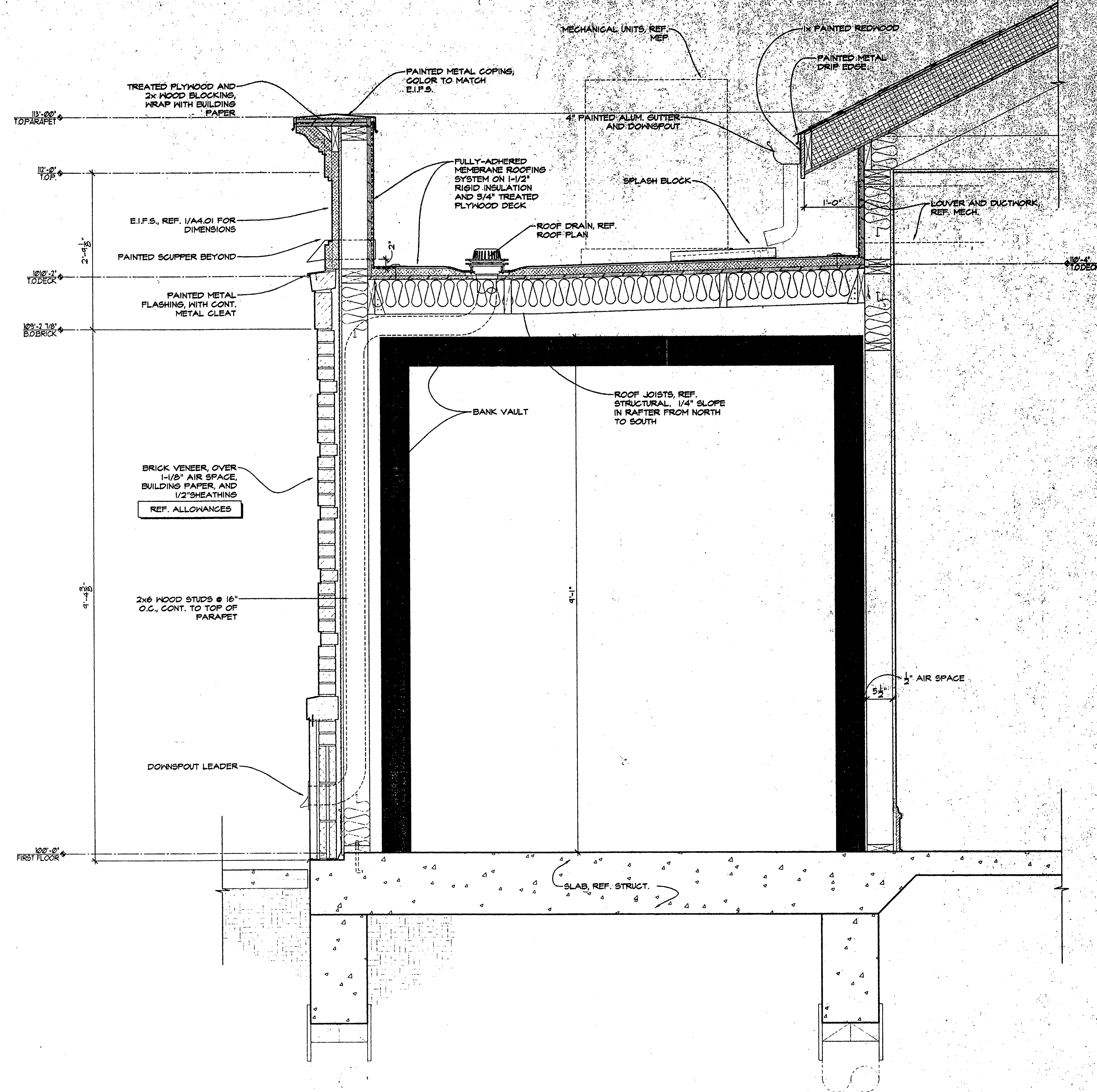
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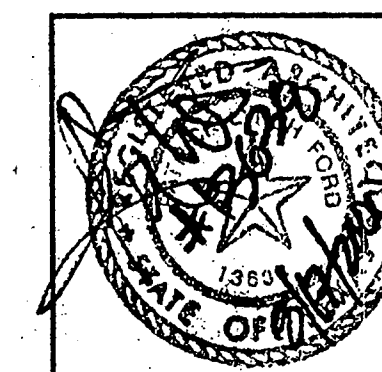
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A4.01

WALL SECTIONS



1 WALL SECTION @ PARAPET
 A4.02 SCALE: 1" = 1'-0"



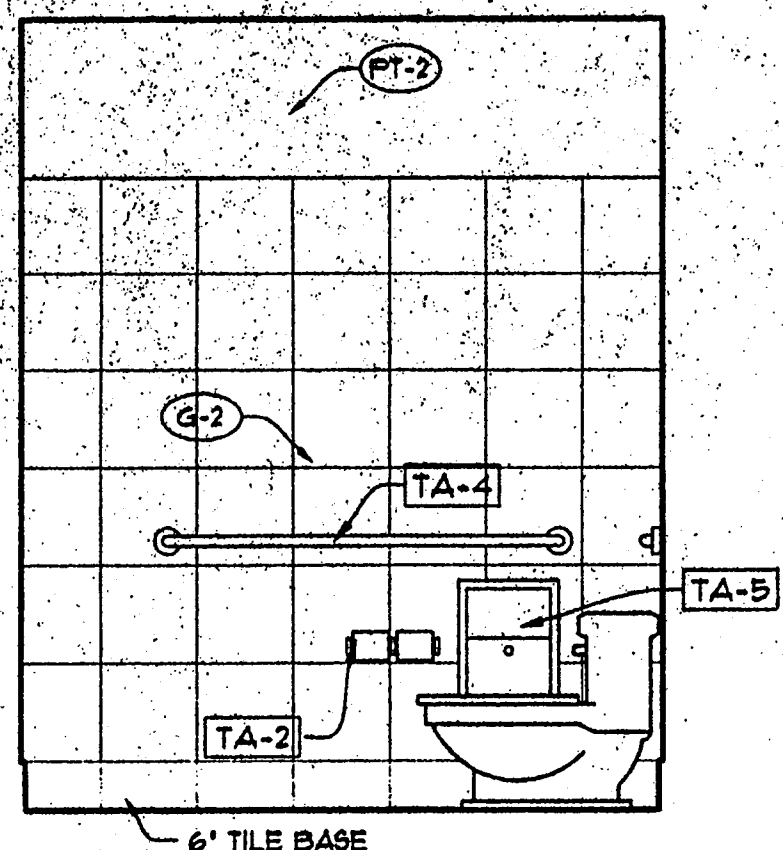
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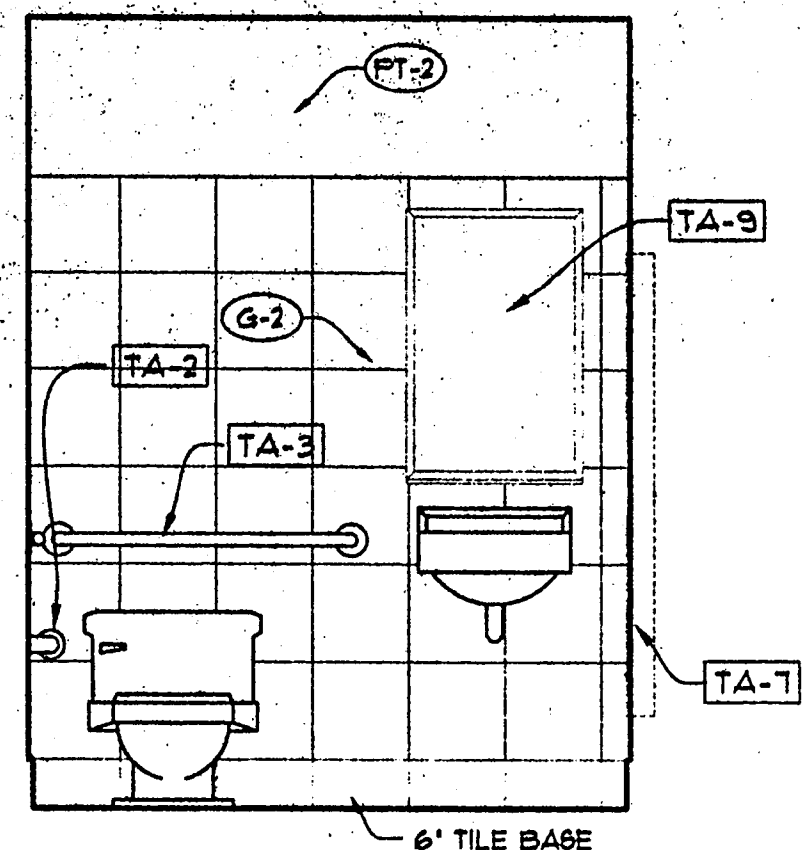
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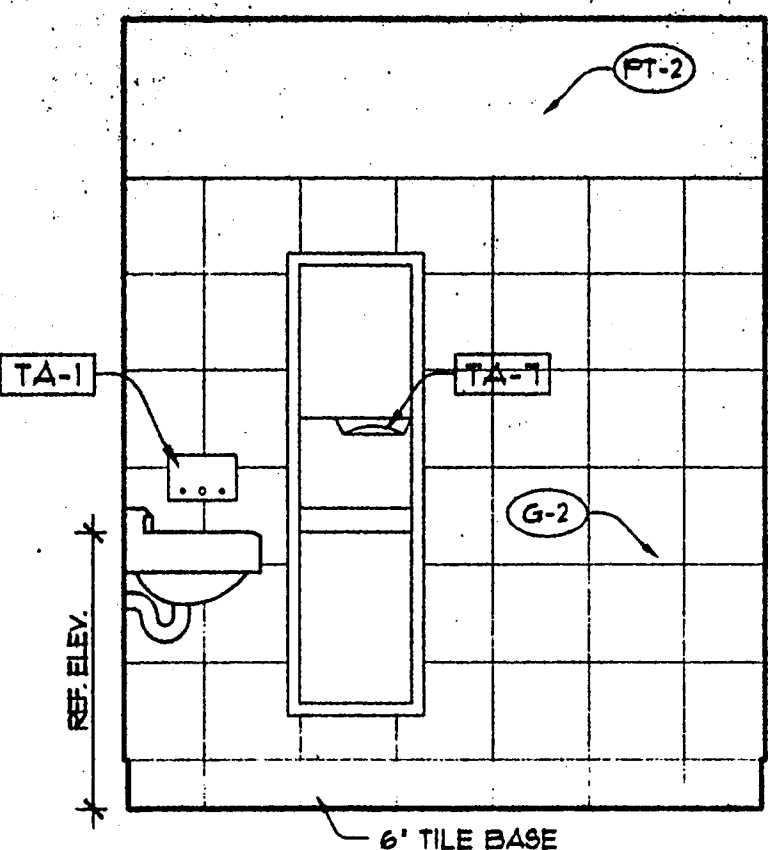
WALL SECTIONS



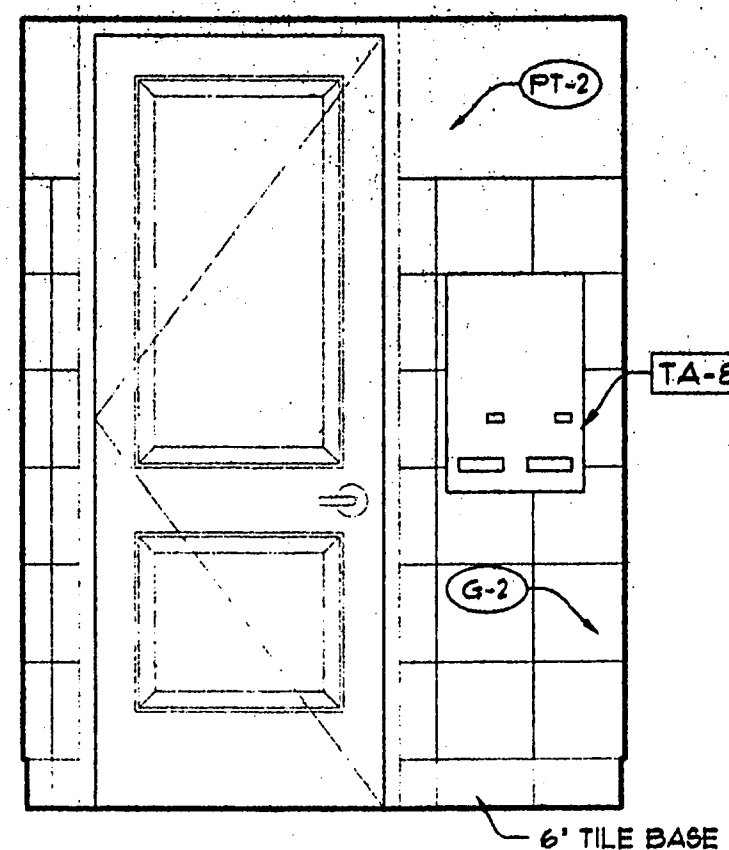
1 WOMEN'S 120
A5.03 SCALE: 1/2" = 1'-0"



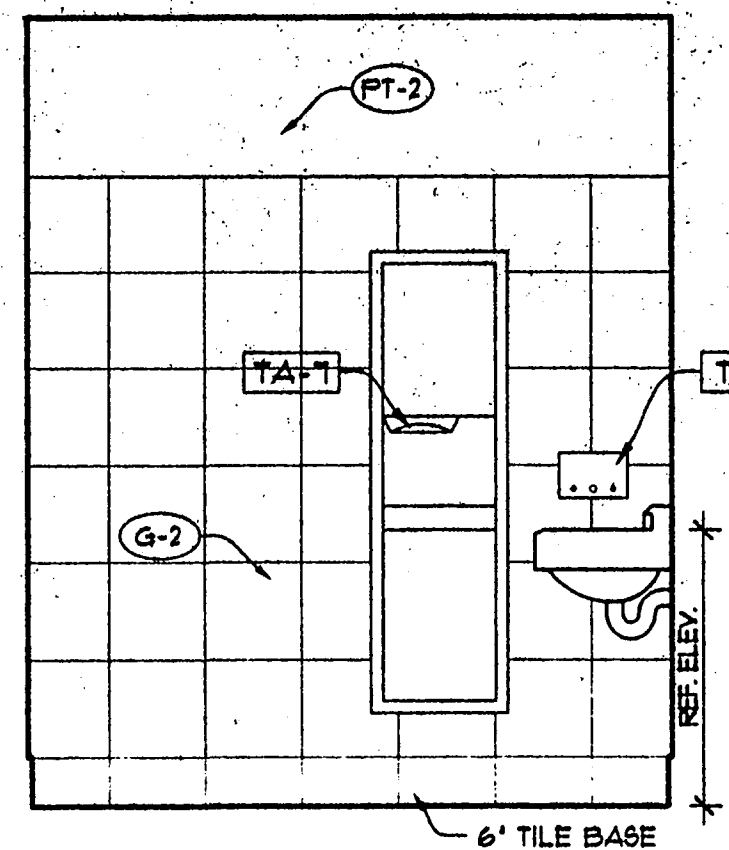
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A5.03 SCALE: 1/2" = 1'-0"



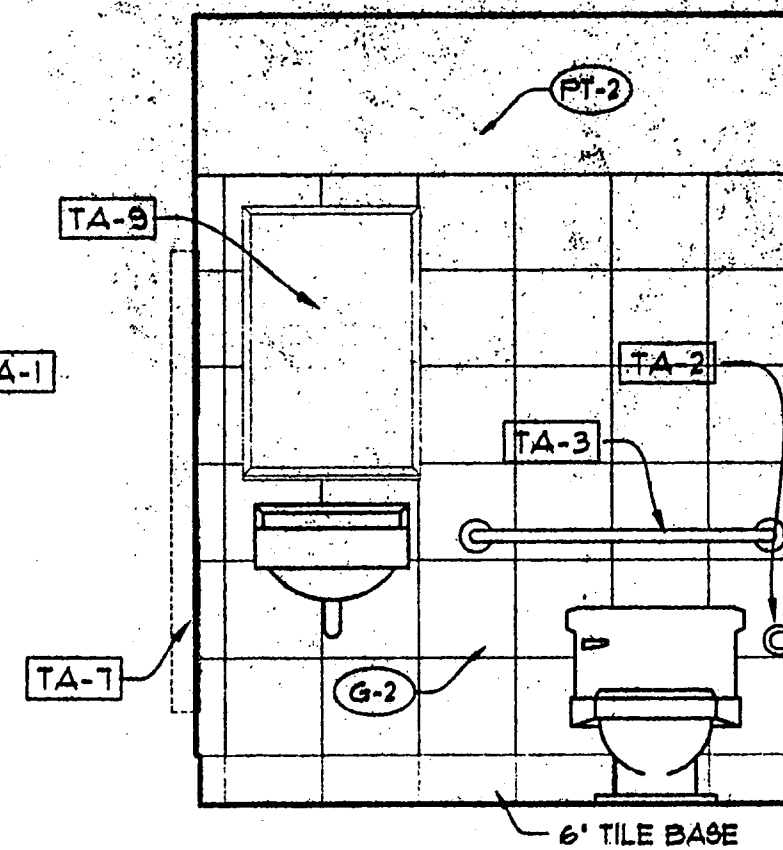
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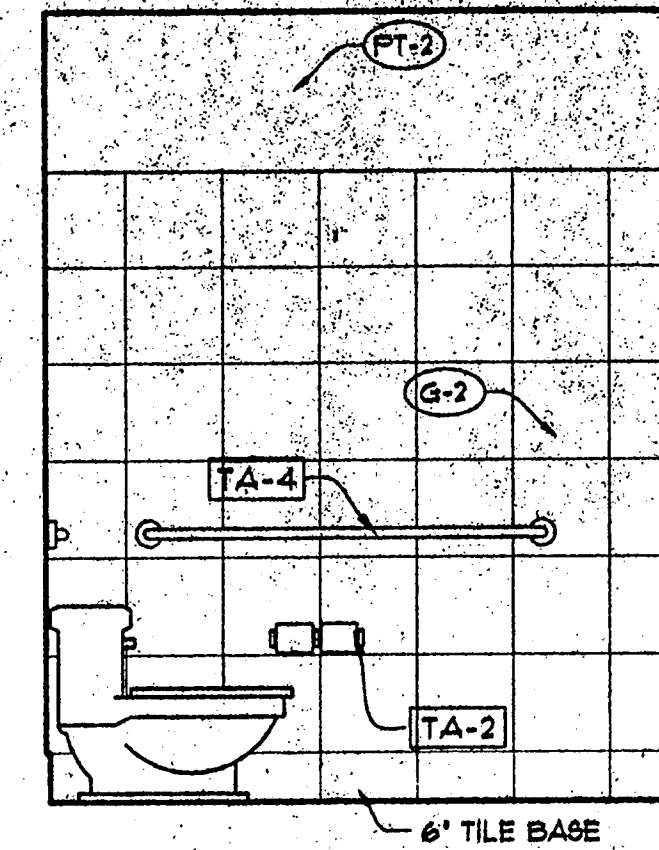
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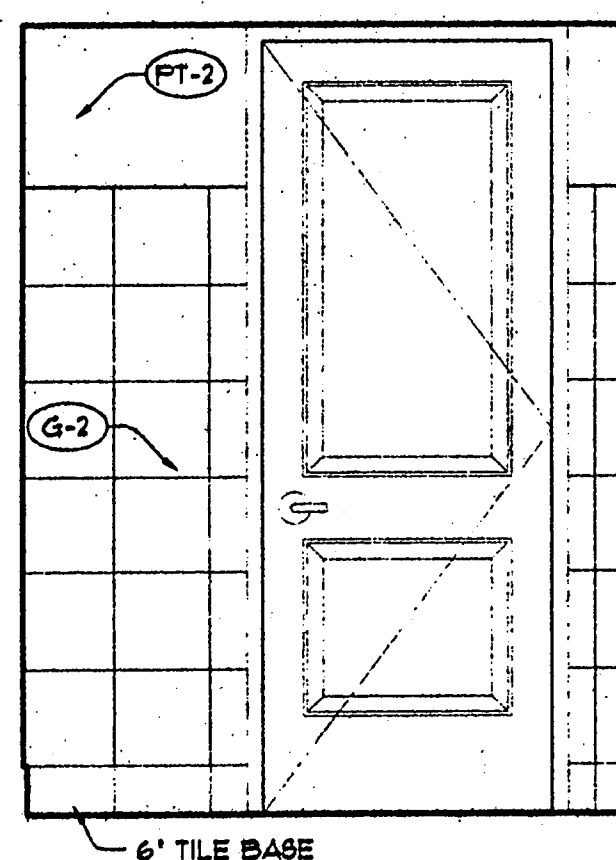
5 MEN'S 119
A5.03 SCALE: 1/2" = 1'-0"



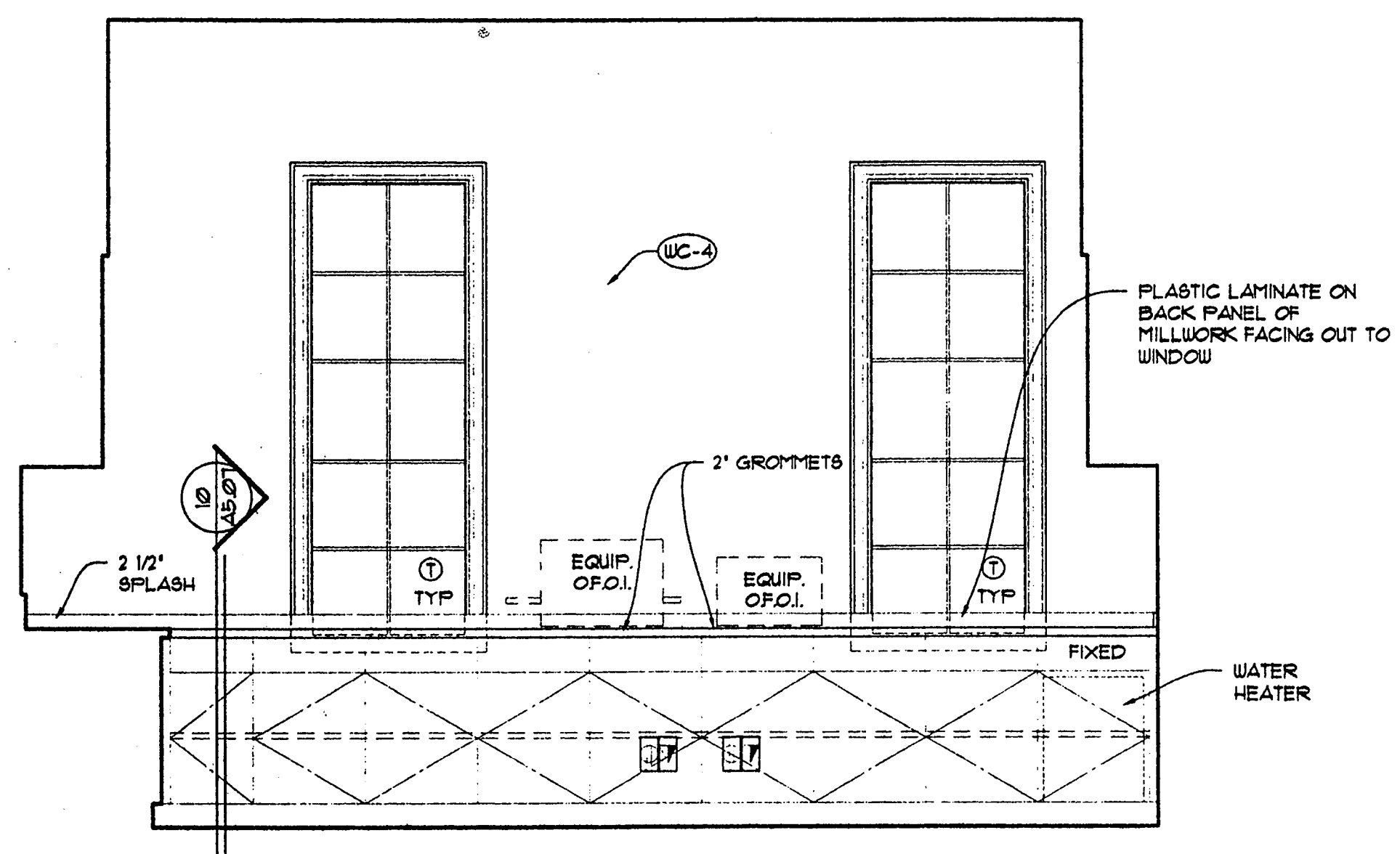
6 MEN'S 119
A5.03 SCALE: 1/2" = 1'-0"



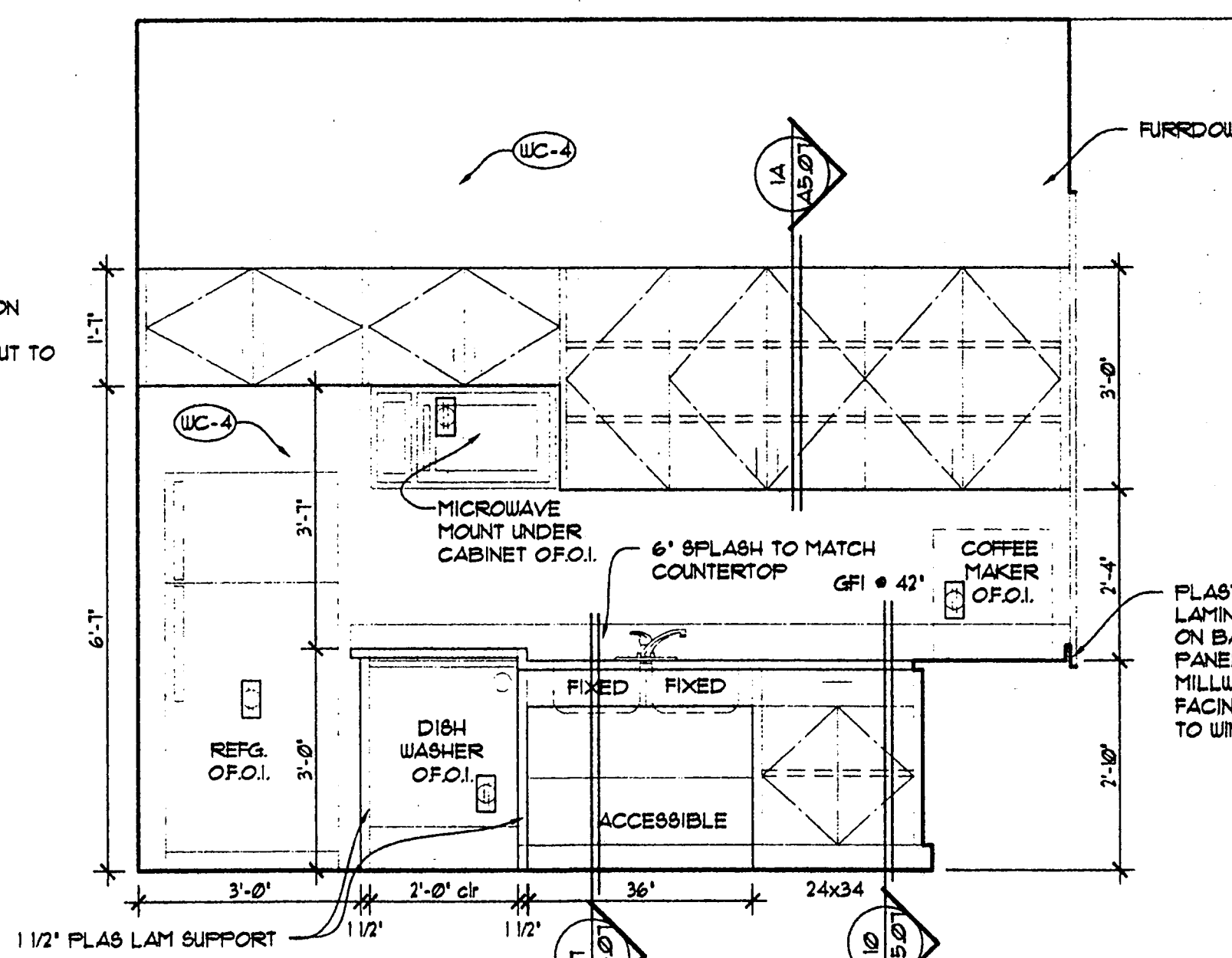
7 MEN'S 119
A5.03 SCALE: 1/2" = 1'-0"



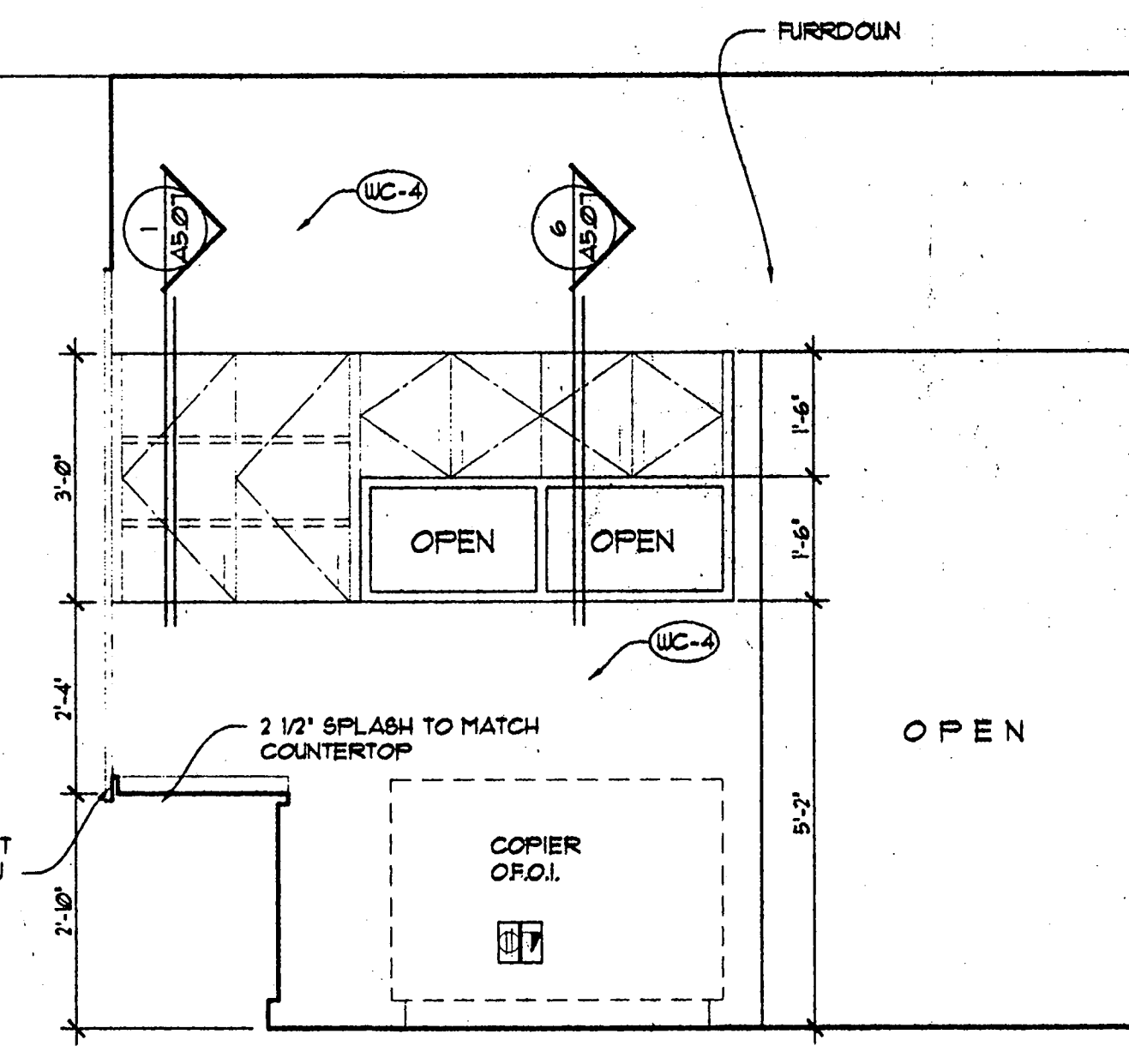
8 MEN'S 119
A5.03 SCALE: 1/2" = 1'-0"



9 WORK 117
A5.03 SCALE: 1/2" = 1'-0"



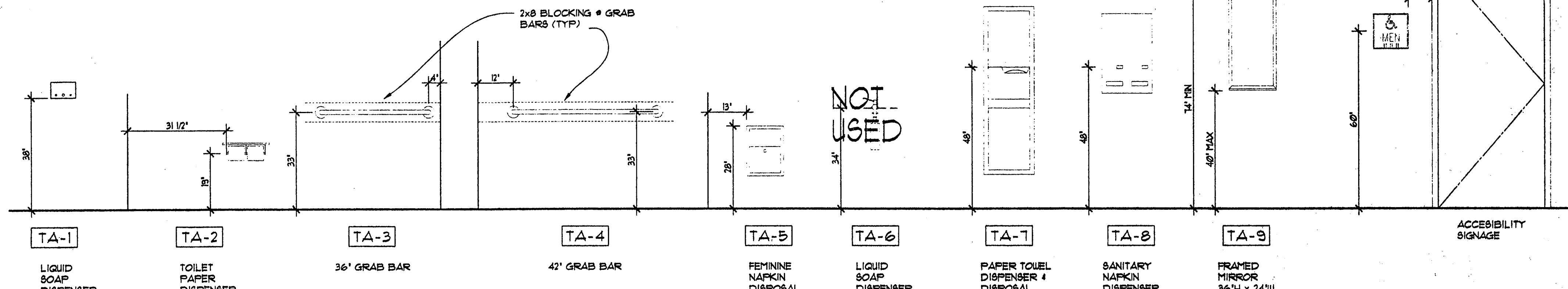
10 WORK 117
A5.03 SCALE: 1/2" = 1'-0"



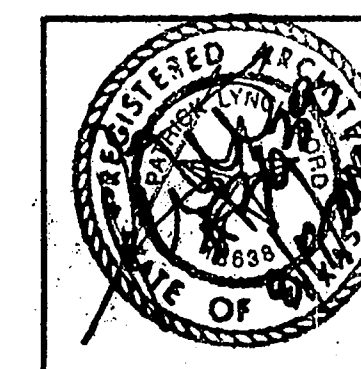
11 WORK 117
A5.03 SCALE: 1/2" = 1'-0"

TOILET ACCESSORIES		
NUMBER	ITEM DESCRIPTION	REMARKS
TA-1	Liquid Soap Dispenser, recessed	Bobrick B-326
TA-2	Toilet Paper Dispenser	Bobrick B-2740
TA-3	Grab Bar--36"	Bobrick B-6826 x 36"
TA-4	Grab Bar--42"	Bobrick B-6826 x 42"
TA-5	Feminine Napkin Disposal, recessed	Bobrick B-353
TA-6	Not Used	
TA-7	Paper Towel Dispenser and Receptacle, recessed	Bobrick B-3823
TA-8	Feminine Napkin Dispenser, recessed	Bobrick B-3520 x 2 (50 cents)
TA-9	Framed Mirror	Bobrick B-290 24"x36"

NOTES:
1. Refer Interior Elevations on sheet A5.01 for mounting heights UNO.



12 MOUNTING HEIGHTS
A5.03 SCALE: 1/2" = 1'-0"

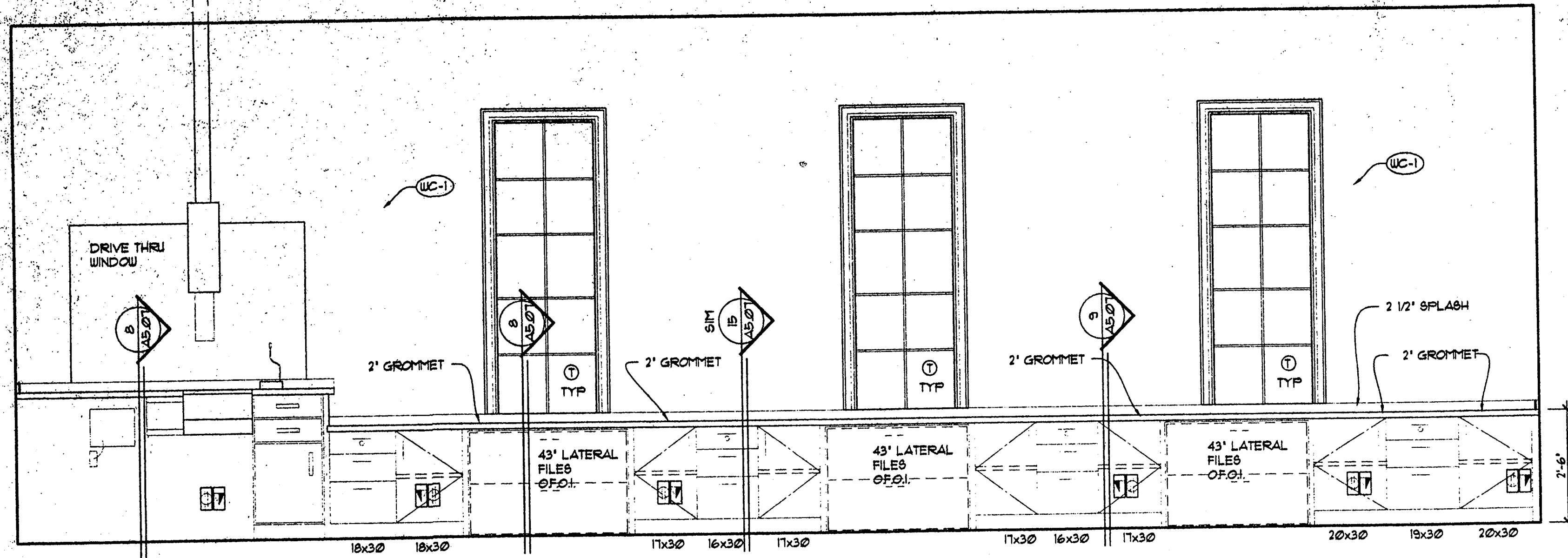


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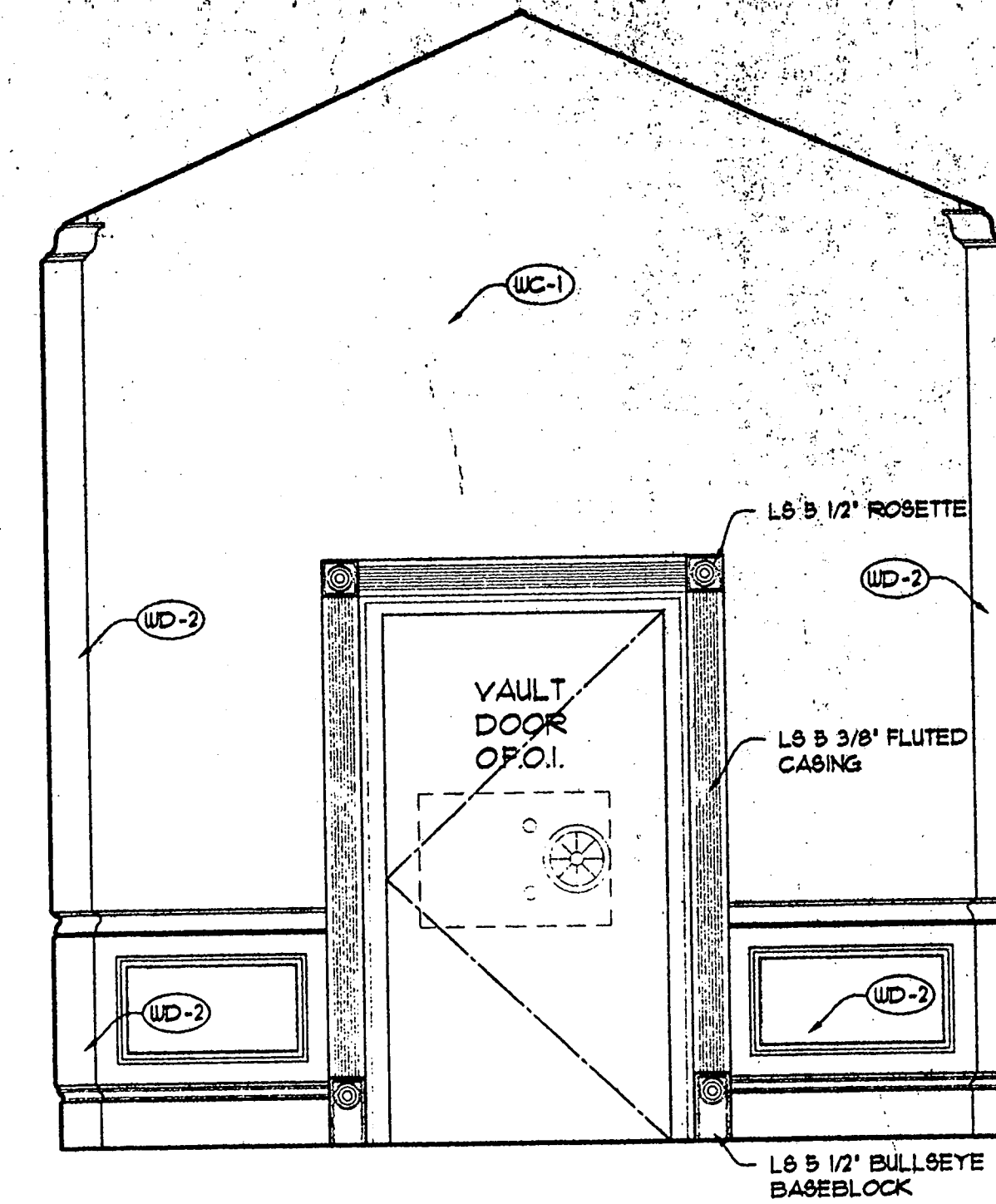
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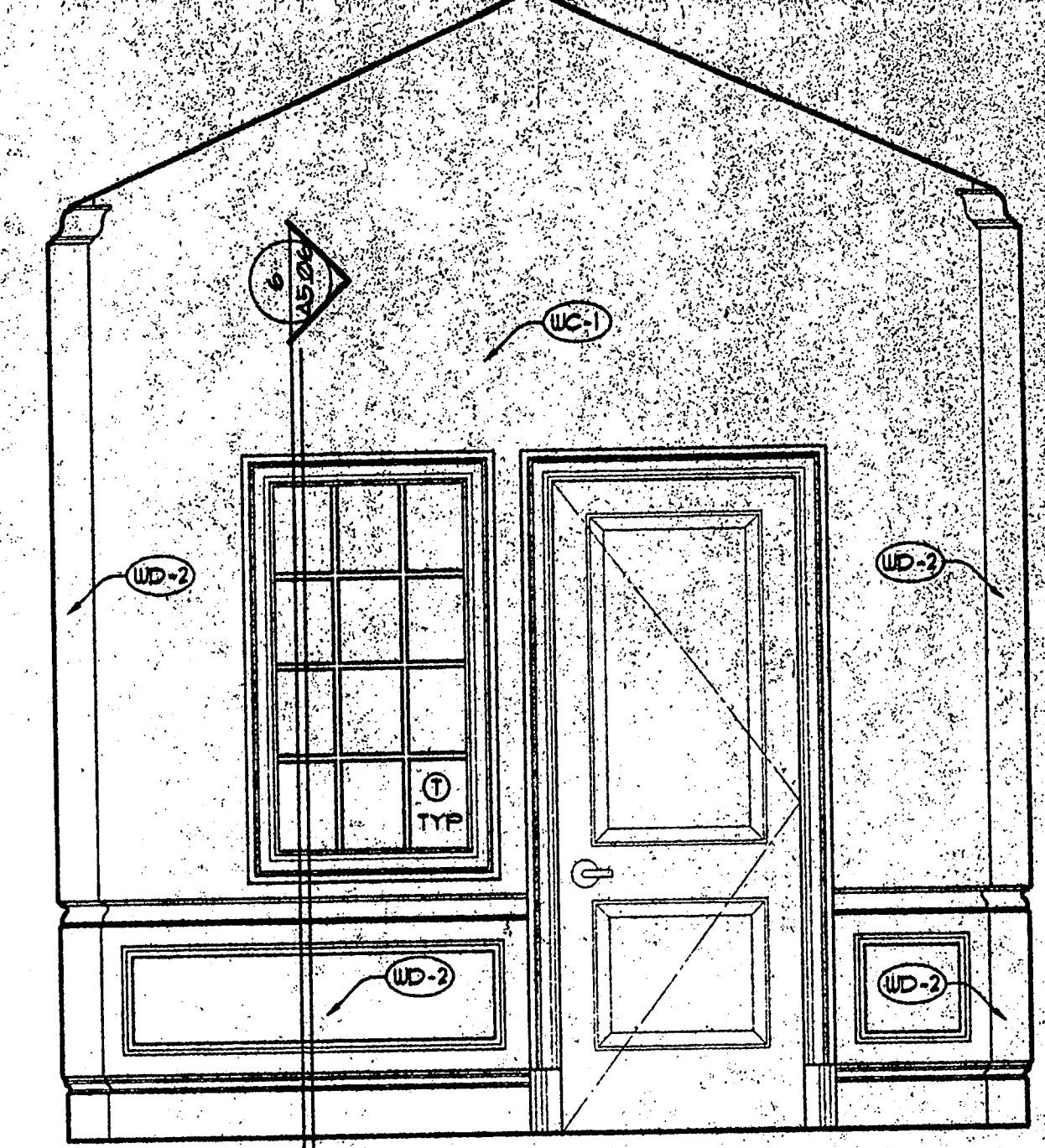
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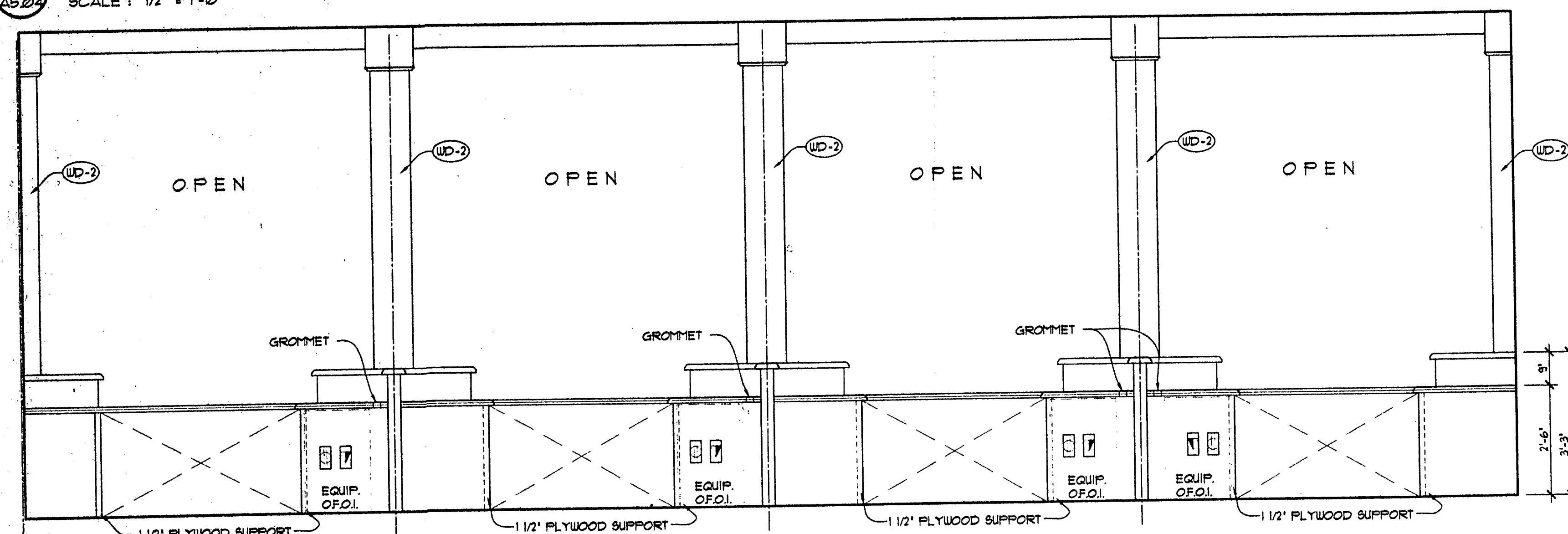
1 TELLER 112
 A5.04 SCALE: 1/2" = 1'-0"



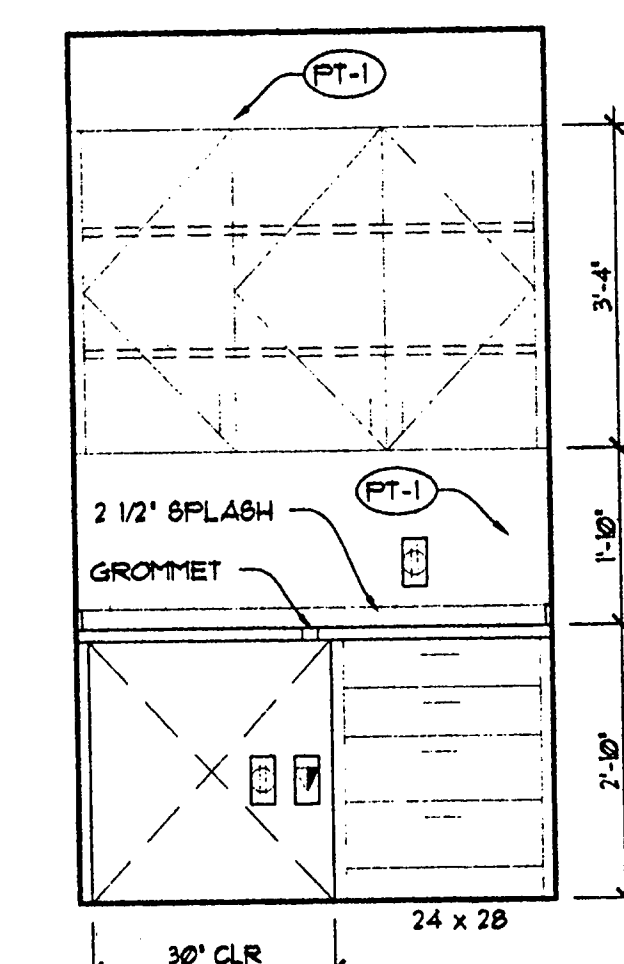
2 LOBBY III
 A5.04 SCALE: 1/2" = 1'-0"



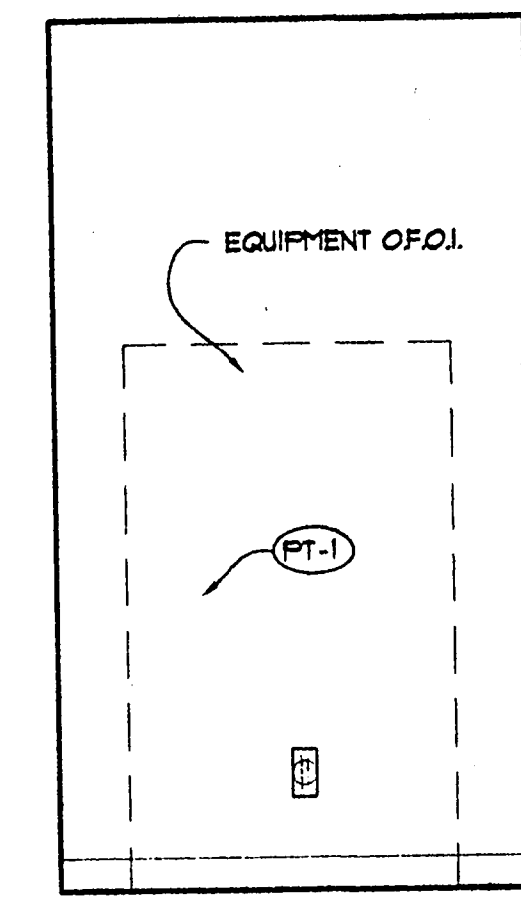
3 WAITING 104
 A5.04 SCALE: 1/2" = 1'-0"



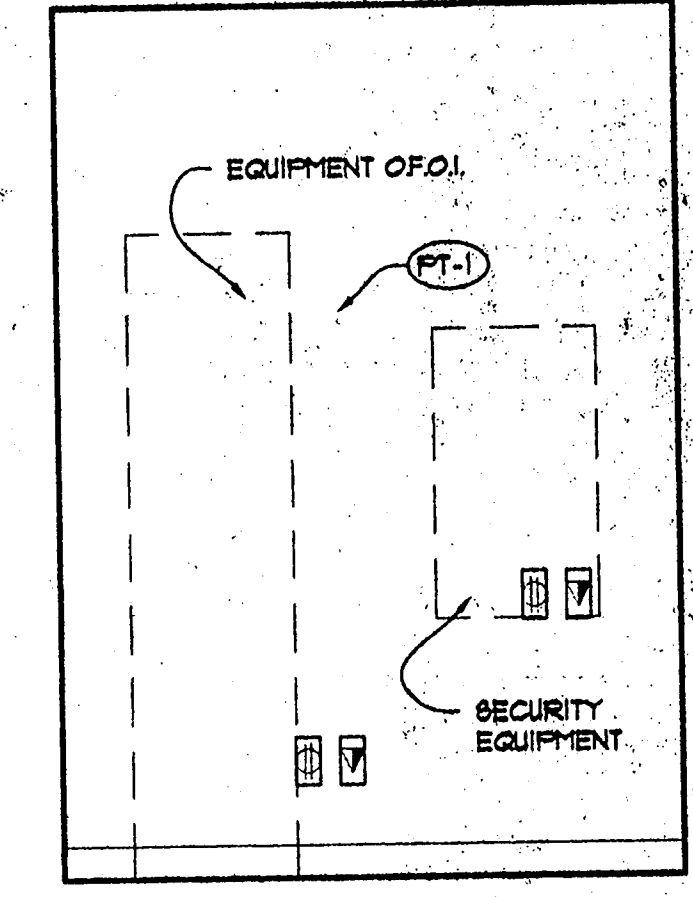
4 TELLER 112
 A5.04 SCALE: 1/2" = 1'-0"



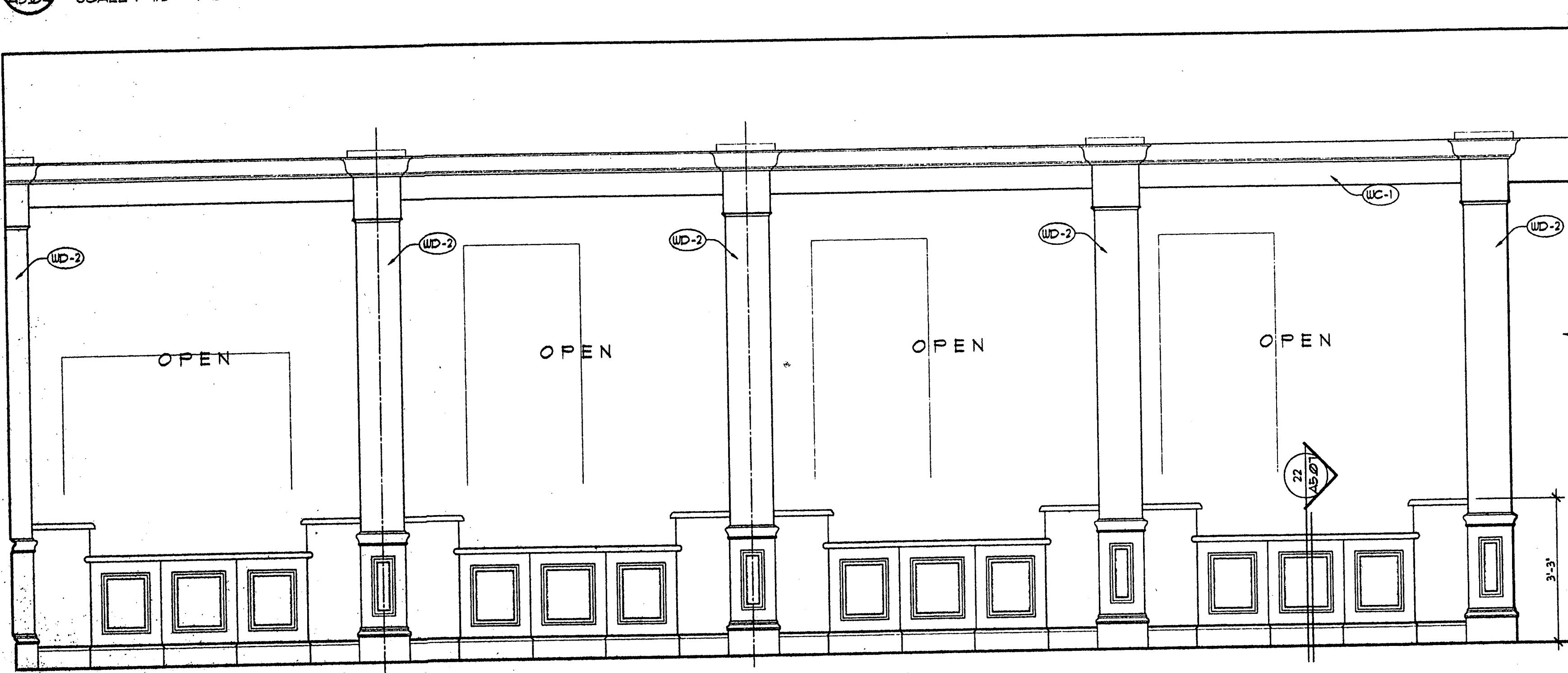
5 CASH 115
 A5.04 SCALE: 1/2" = 1'-0"



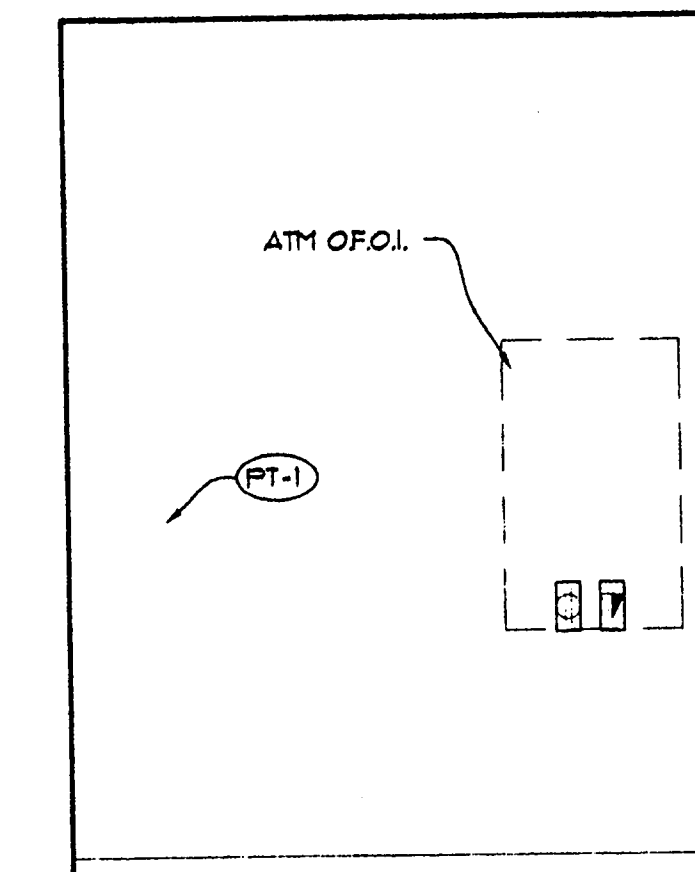
6 CASH 115
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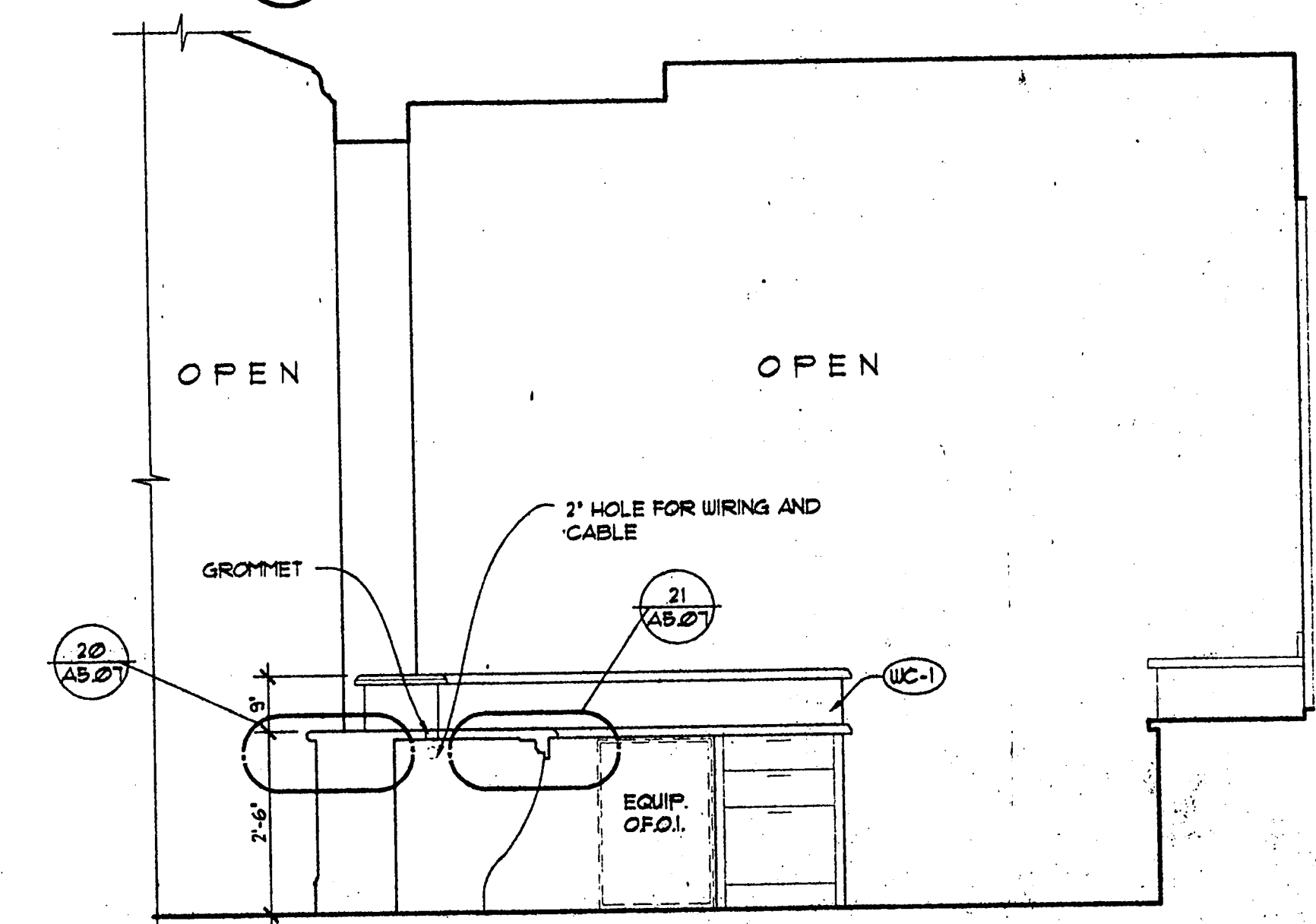
7 ATM 106
 A5.04 SCALE: 1/2" = 1'-0"



8 LOBBY III
 A5.04 SCALE: 1/2" = 1'-0"

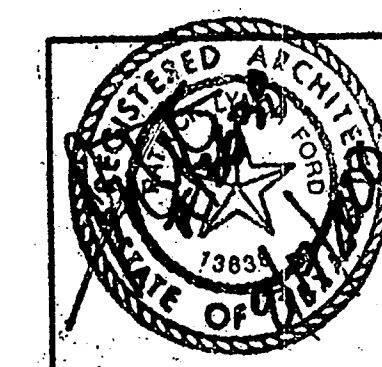


9 ATM 106
 A5.04 SCALE: 1/2" = 1'-0"



10 TELLER 112
 A5.04 SCALE: 1/2" = 1'-0"

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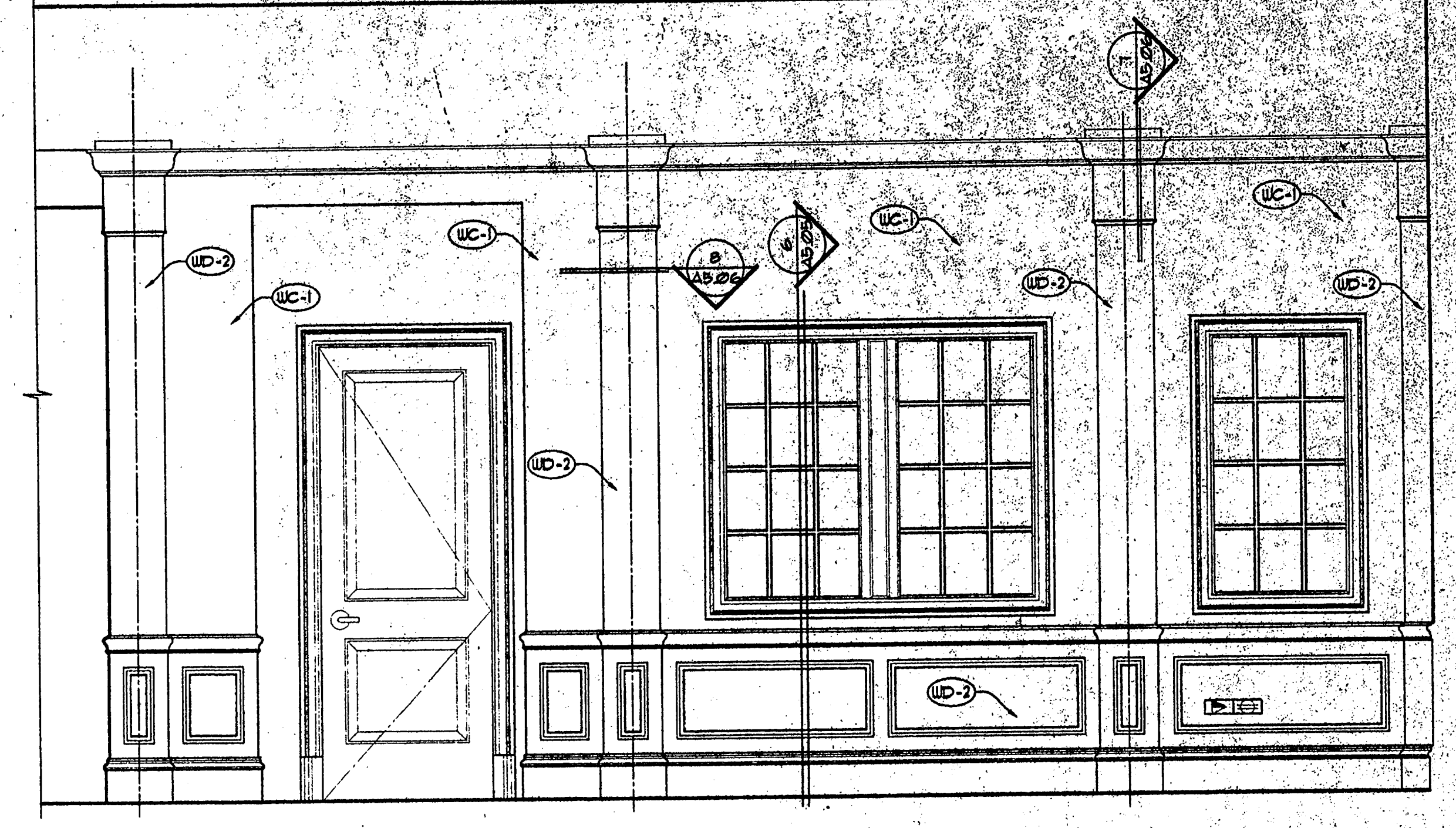
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A5.04

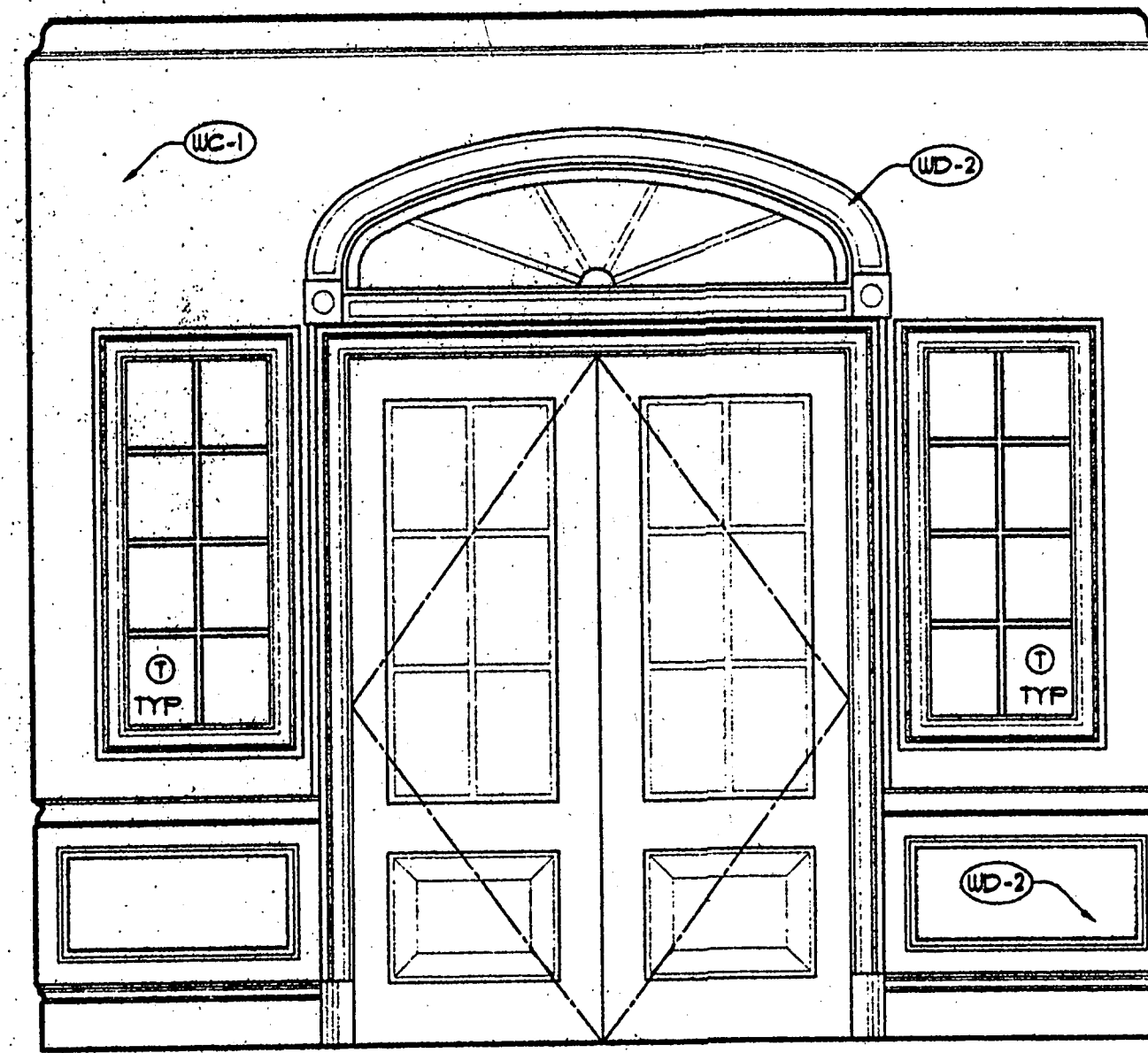
INTERIOR ELEVATIONS



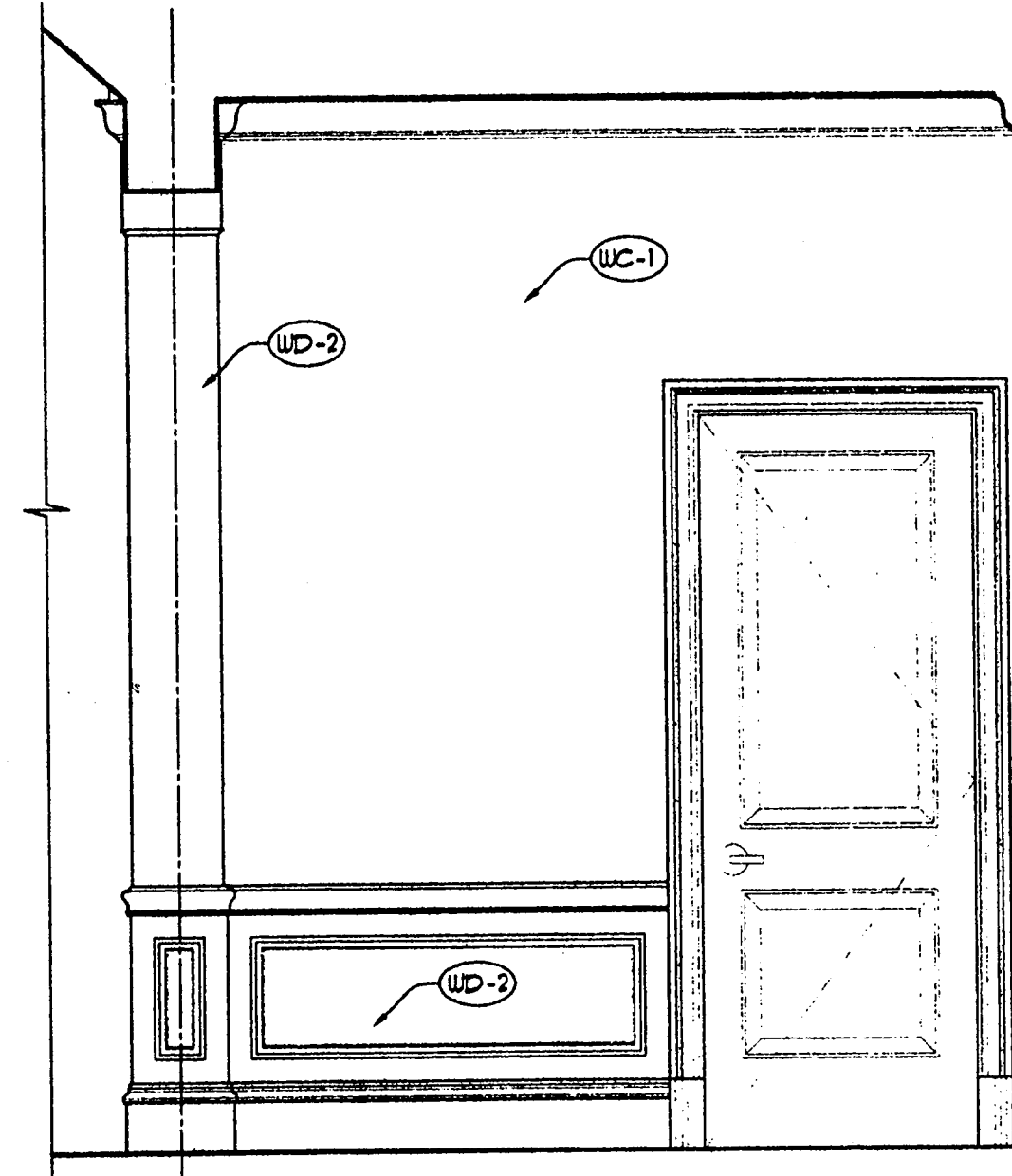
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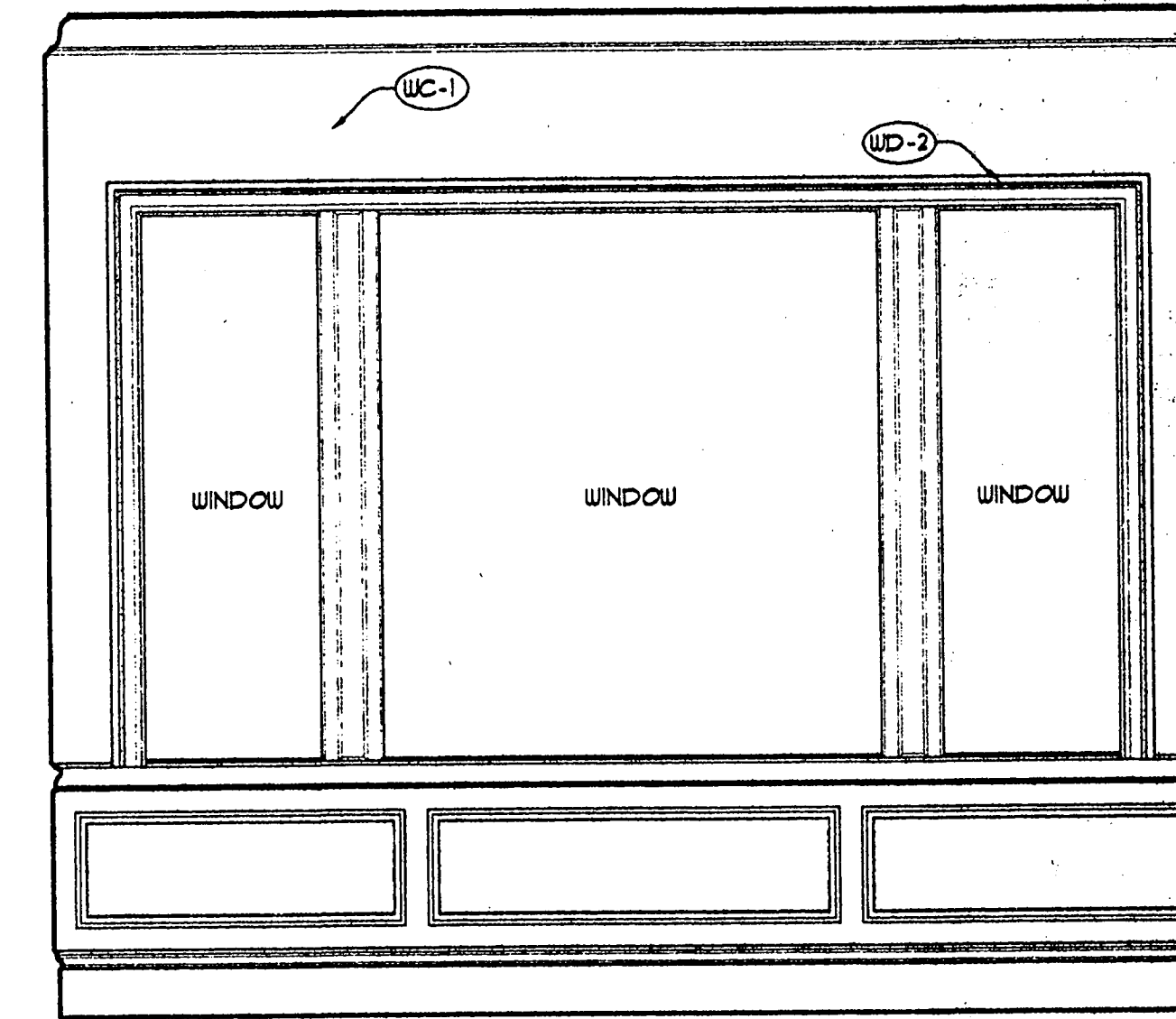
2 WAITING 104
A5.05 SCALE: 1/2" = 1'-0"



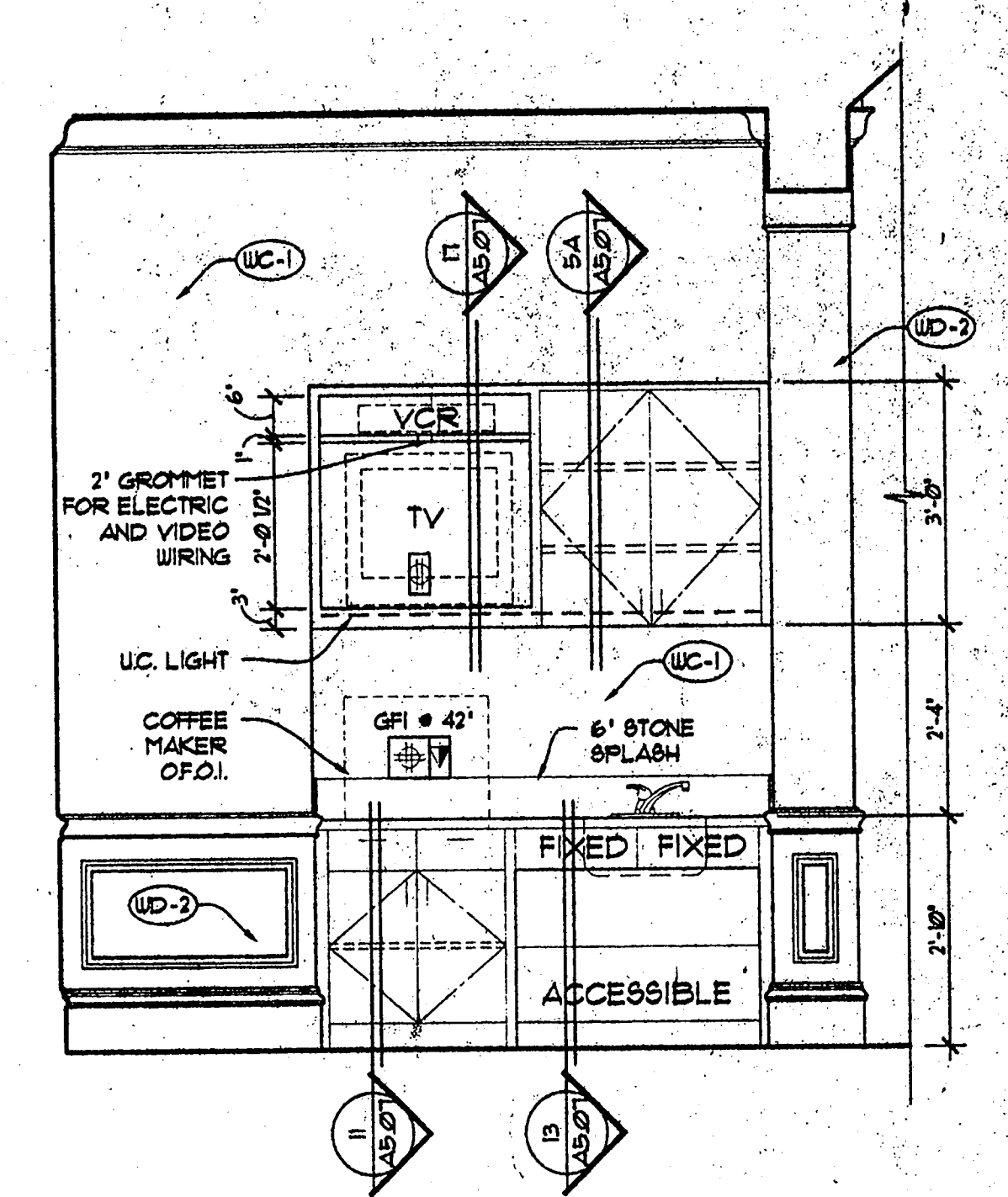
3 WAITING 103
A5.05 SCALE: 1/2" = 1'-0"



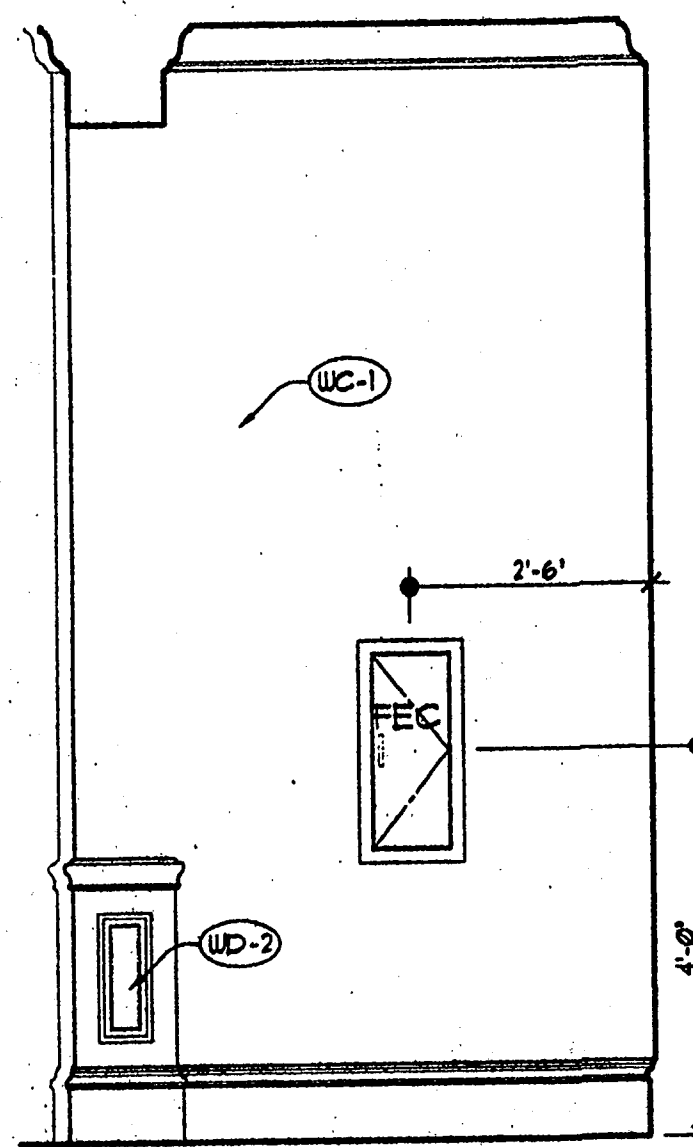
4 WAITING 103
A5.05 SCALE: 1/2" = 1'-0"



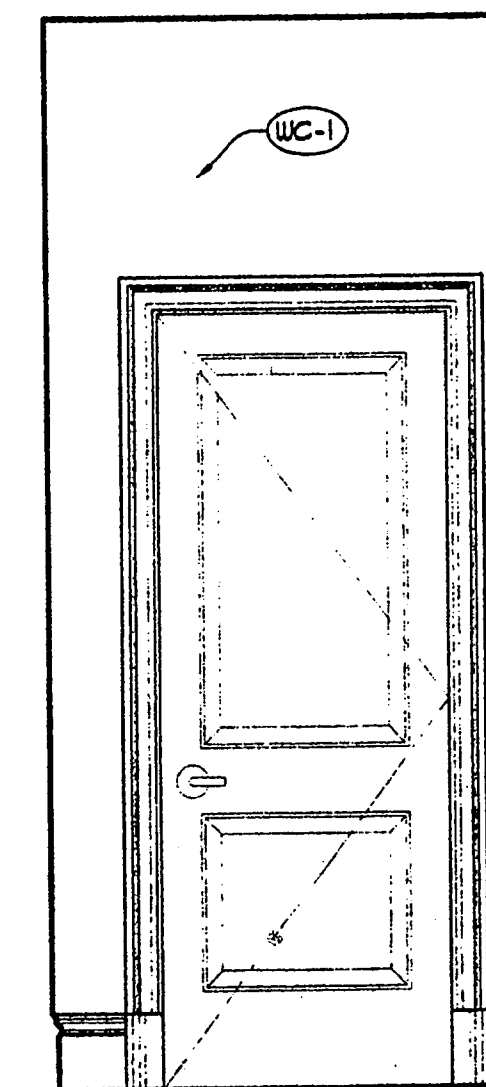
5 WAITING 103
A5.05 SCALE: 1/2" = 1'-0"



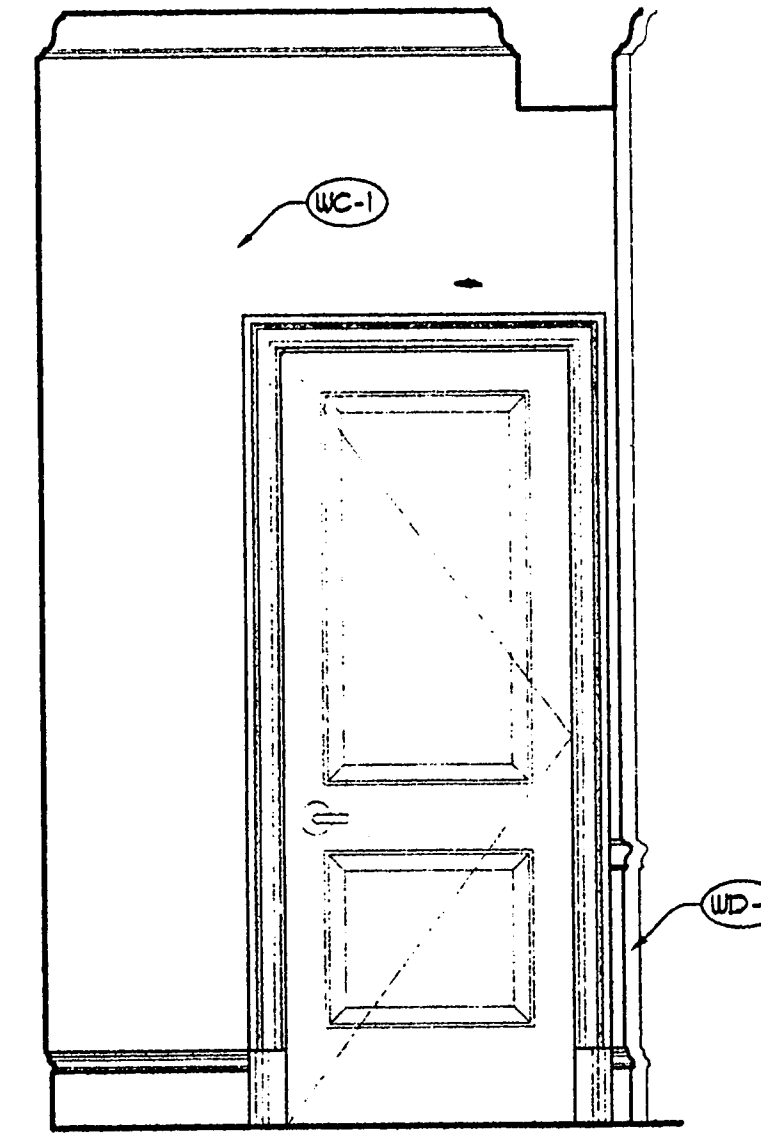
6 WAITING 103
A5.05 SCALE: 1/2" = 1'-0"



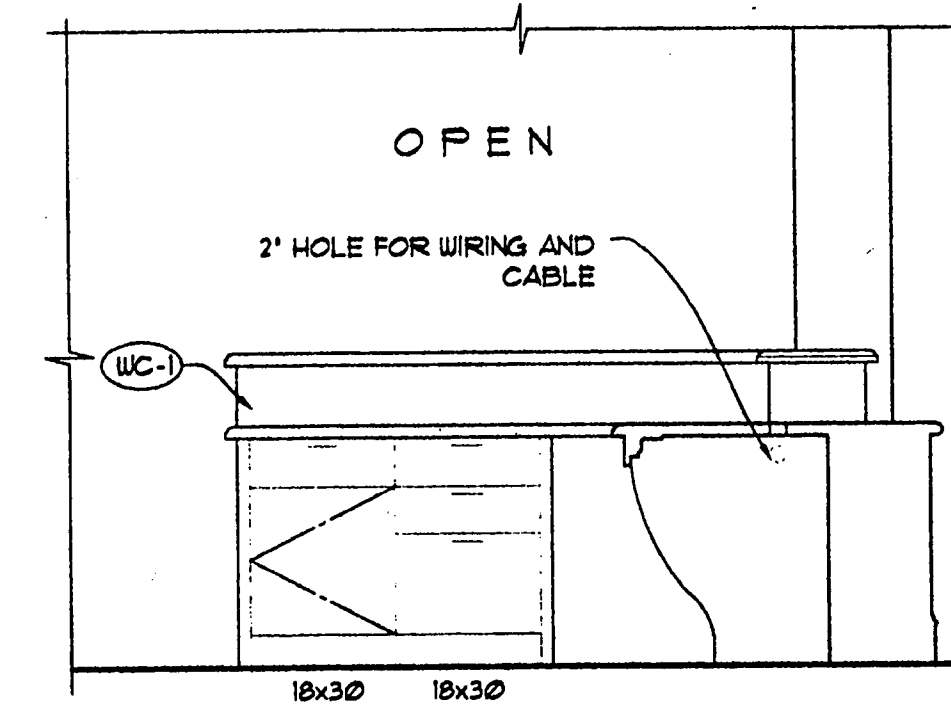
7 HALL 105
A5.05 SCALE: 1/2" = 1'-0"



8 HALL 105
A5.05 SCALE: 1/2" = 1'-0"



9 HALL 105
A5.05 SCALE: 1/2" = 1'-0"



10 TELLER 112
A5.05 SCALE: 1/2" = 1'-0"

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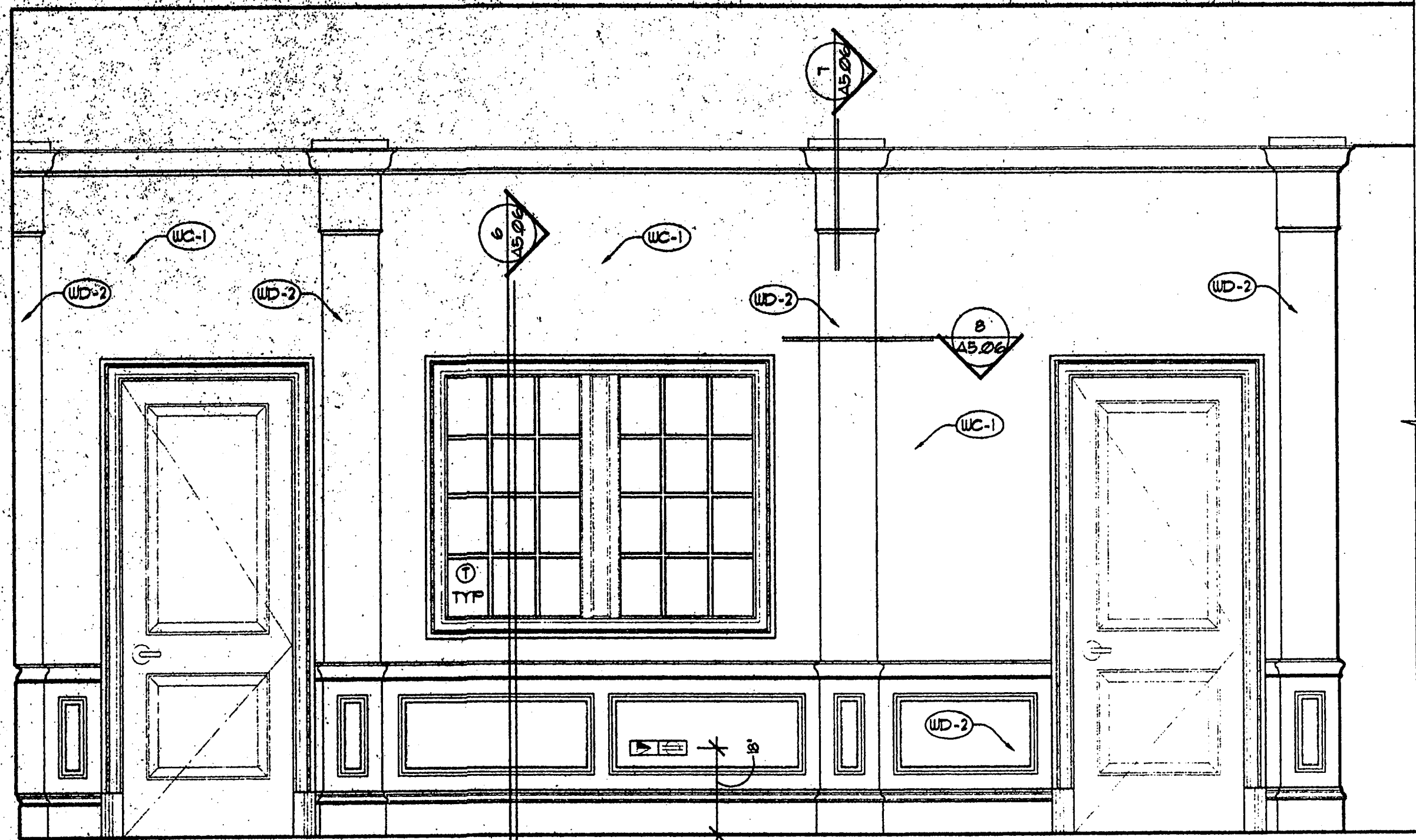
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LONE STAR BANK
Beltwood Parkway East
at Beltline Road
Addison, TX
Project # 1804

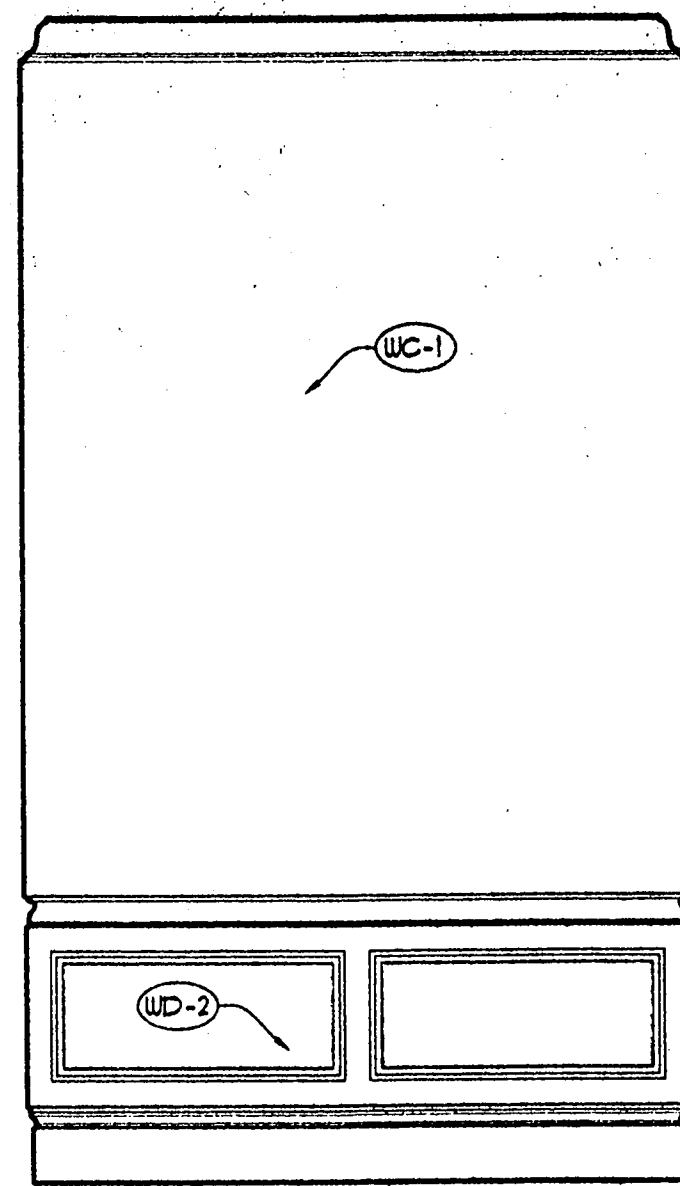
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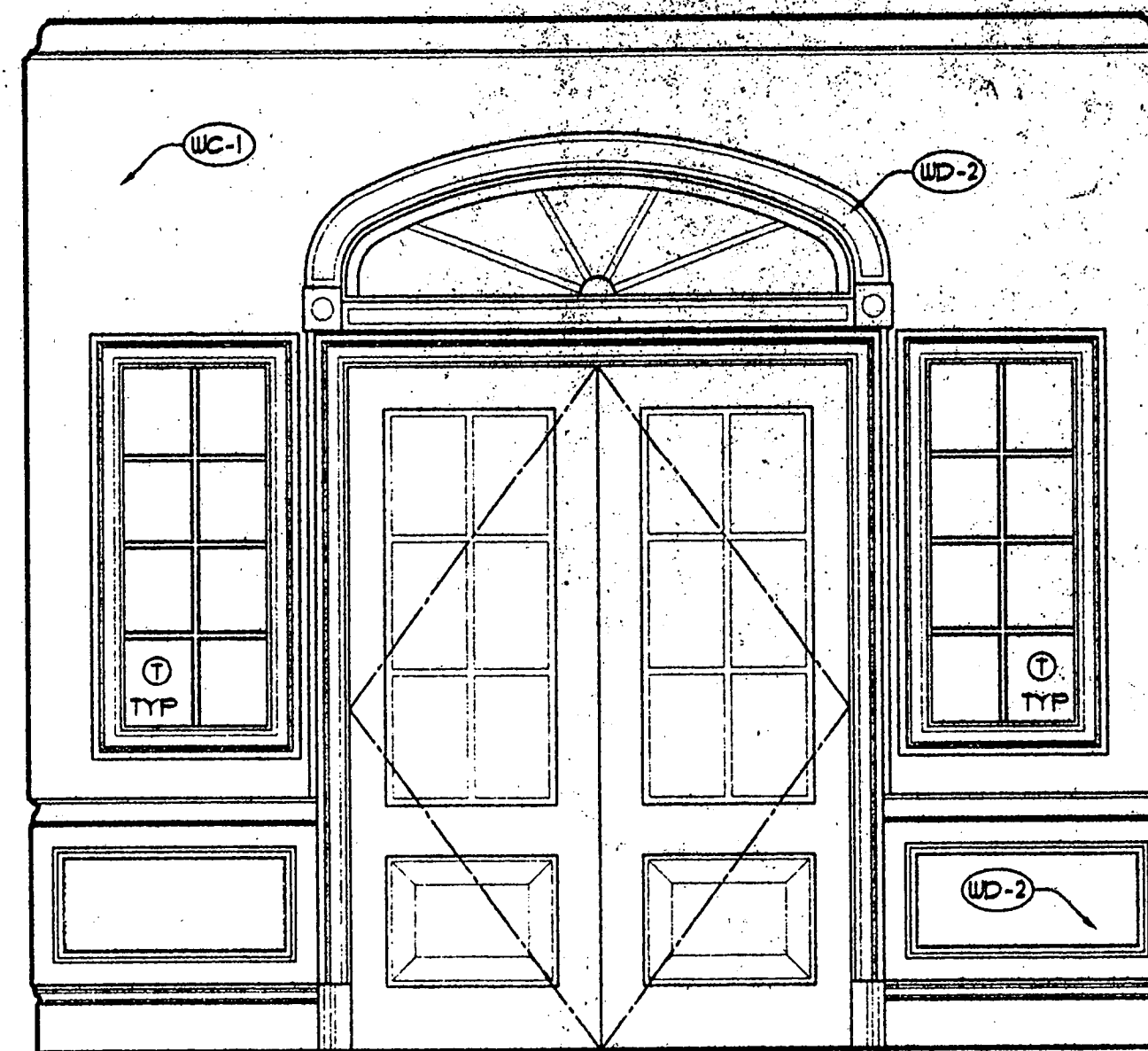
INTERIOR ELEVATIONS



1 WAITING 104
A5.06 SCALE: 1/2" = 1'-0"



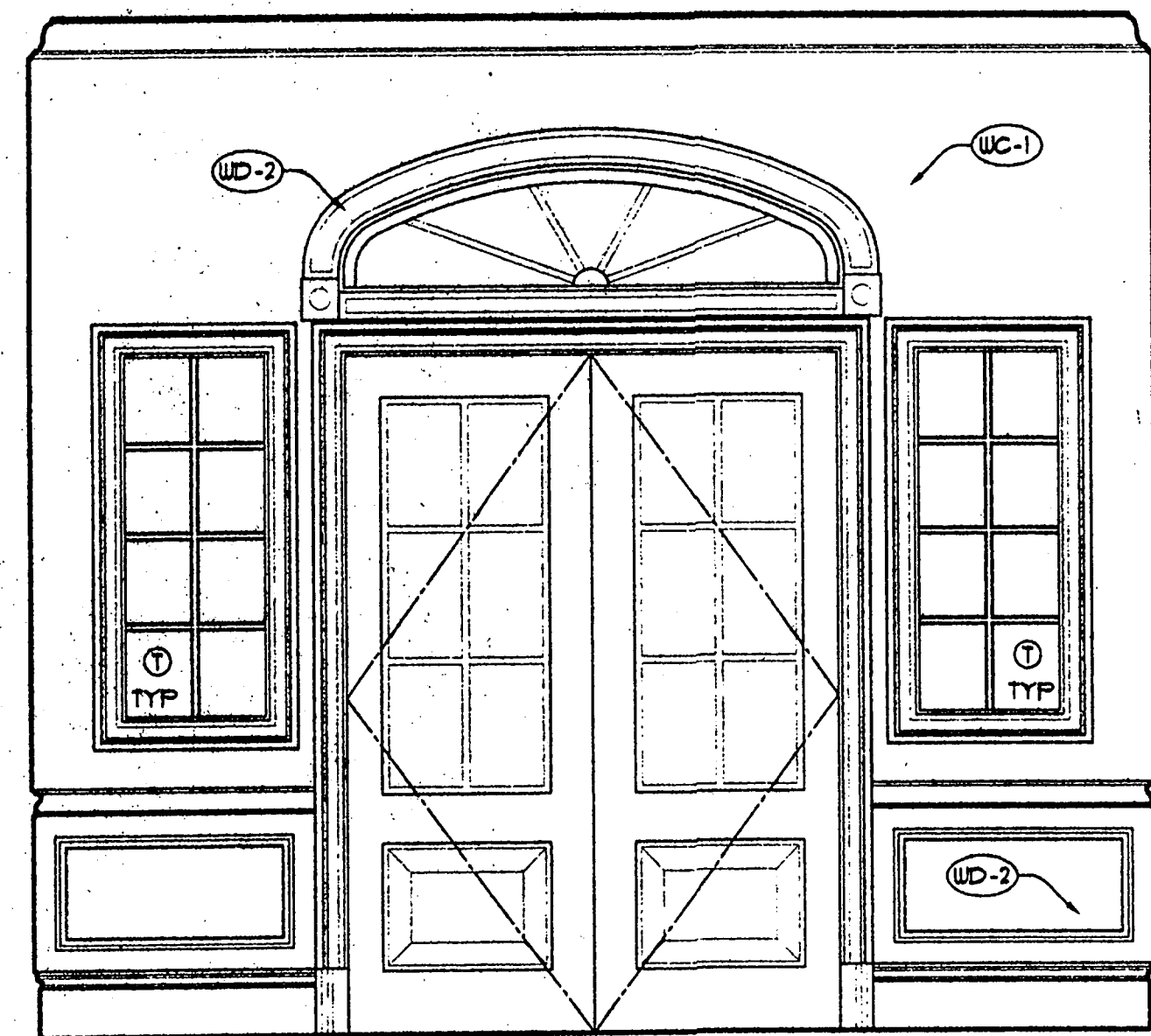
2 VESTIBULE 101
A5.06 SCALE: 1/2" = 1'-0"



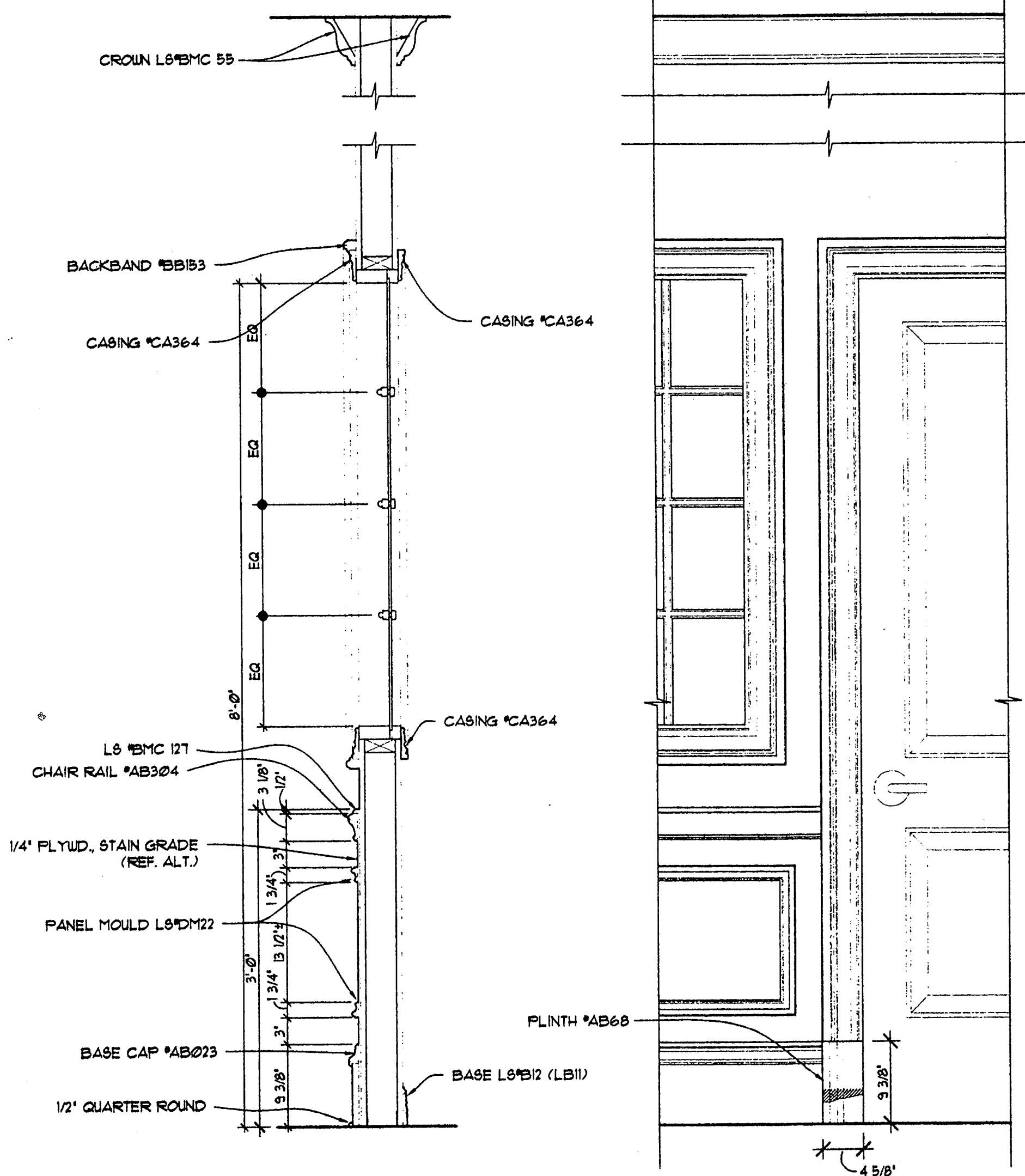
3 VESTIBULE 101
A5.06 SCALE: 1/2" = 1'-0"



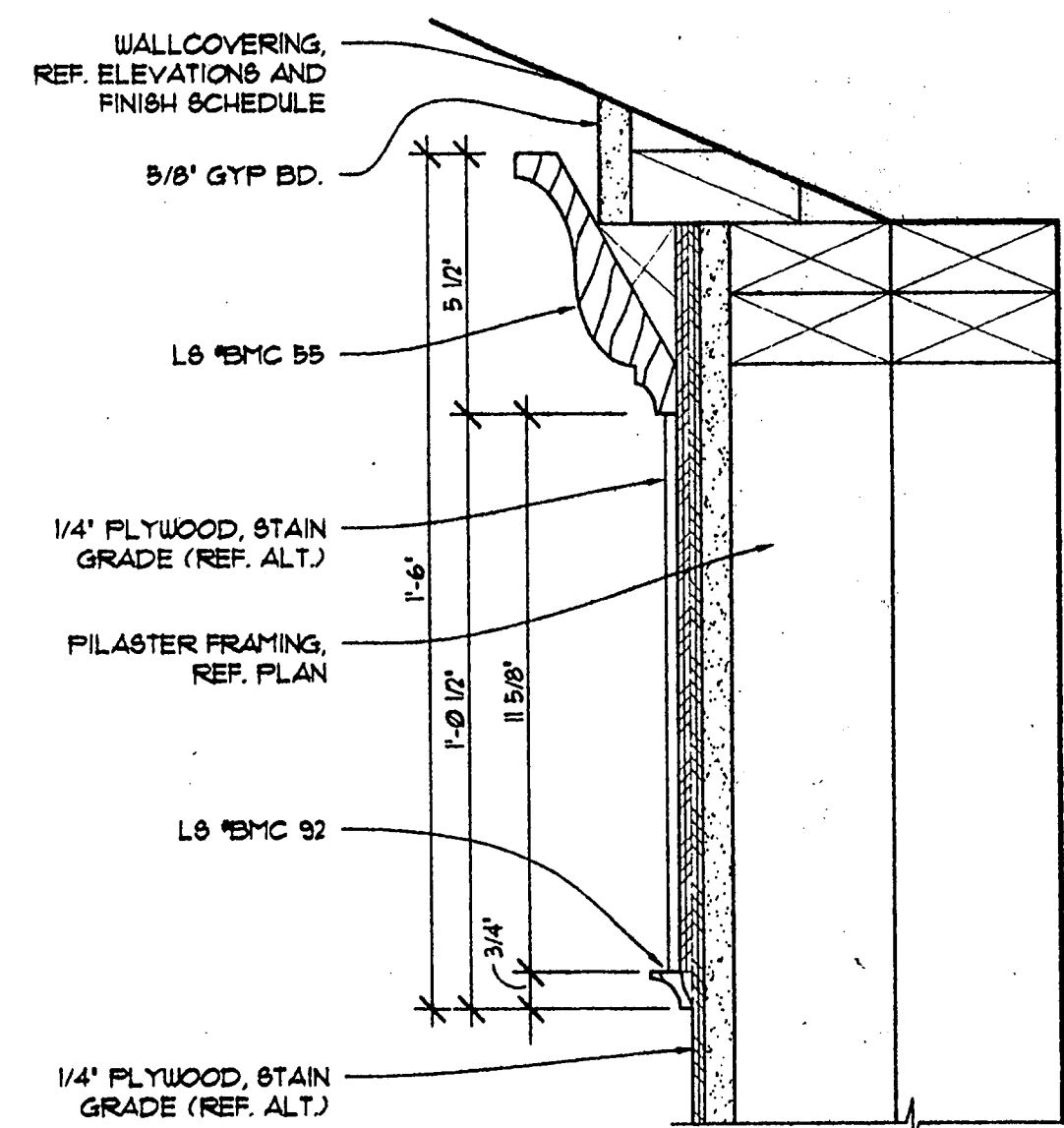
4 WAITING 103
A5.06 SCALE: 1/2" = 1'-0"



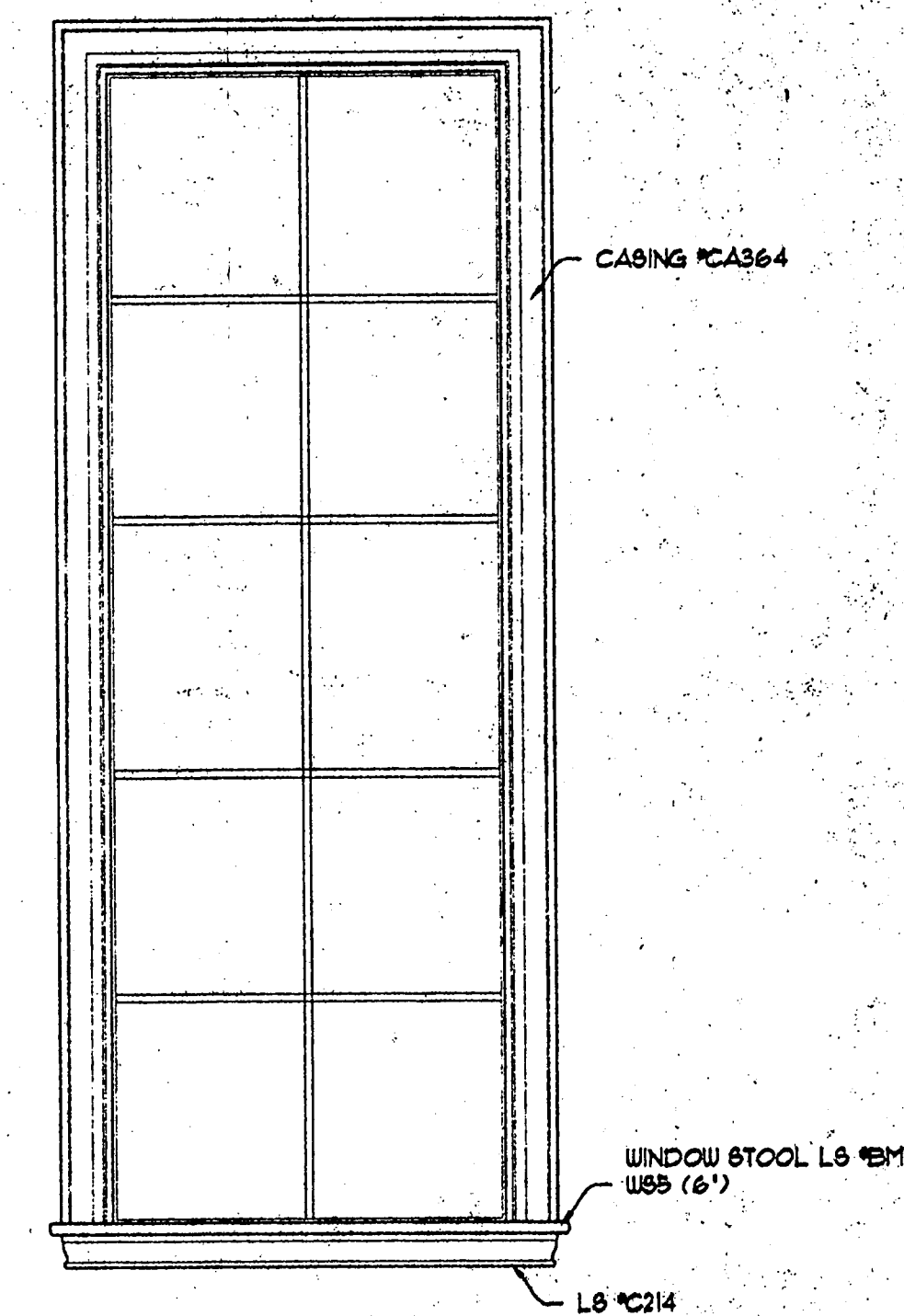
5 VESTIBULE 101
A5.06 SCALE: 1/2" = 1'-0"



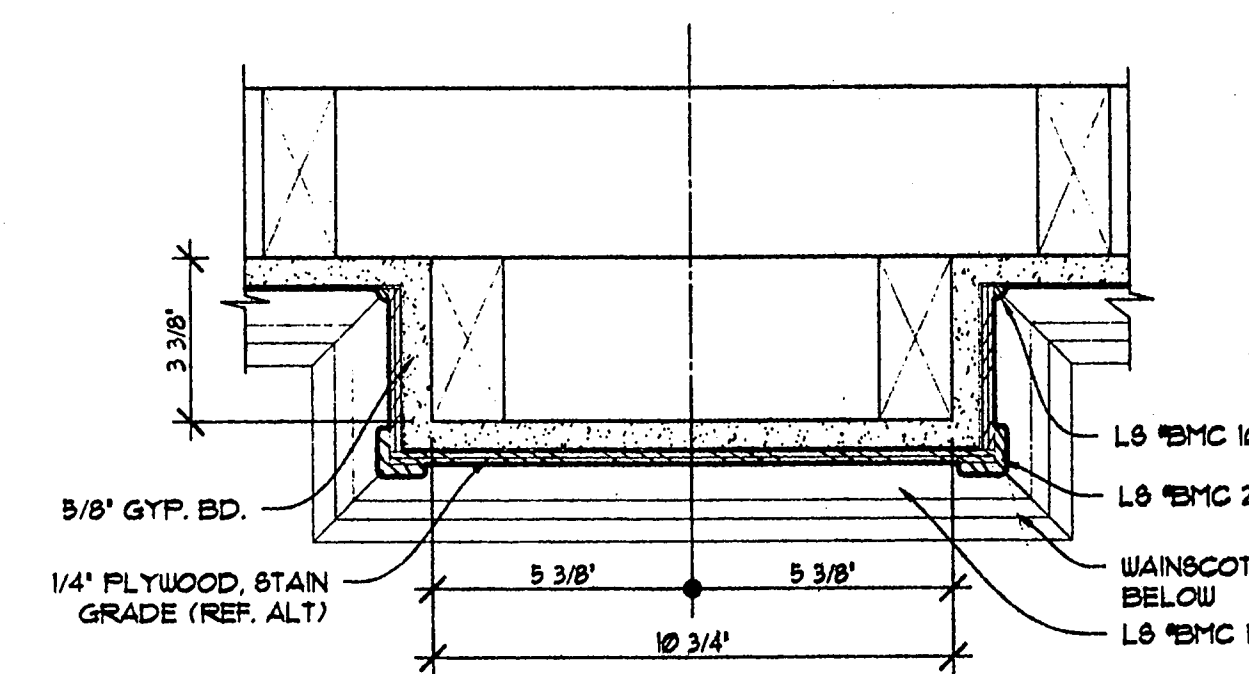
6 WAINSCOT DETAIL
A5.06 SCALE: 1" = 1'-0"



7 PILASTER DETAIL
A5.06 SCALE: 3" = 1'-0"



8 TYPICAL-TRIM @ INSIDE OF EXT. WINDOWS
A5.06 SCALE: 1/2" = 1'-0"



9 PILASTER DETAIL
A5.06 SCALE: 3" = 1'-0"

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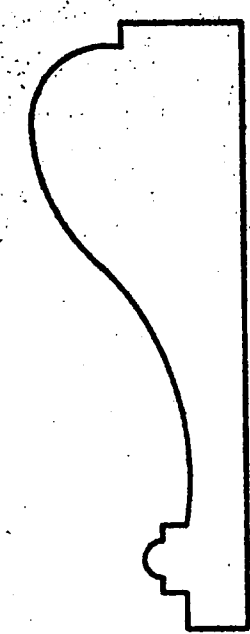
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A5.06



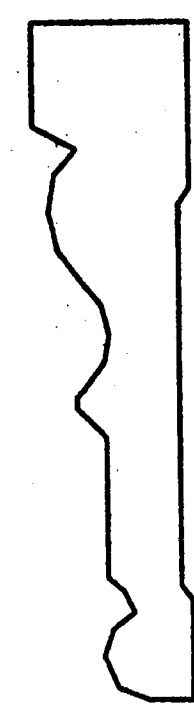
2 AB304
SCALE: FULL SCALE



3 LS DM22
SCALE: FULL SCALE



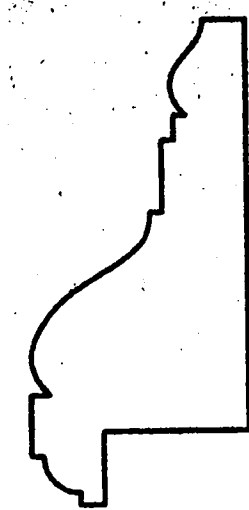
4 CA364
SCALE: FULL SCALE



5 CA364
SCALE: FULL SCALE



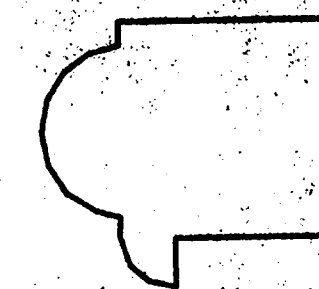
6 AB023
SCALE: FULL SCALE



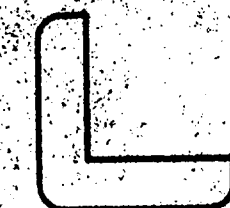
7 LS B12 (LB11)
SCALE: FULL SCALE



8 BB153
SCALE: FULL SCALE



9 LS BMC 205
SCALE: FULL SCALE



1 LS BMC 55
SCALE: FULL SCALE



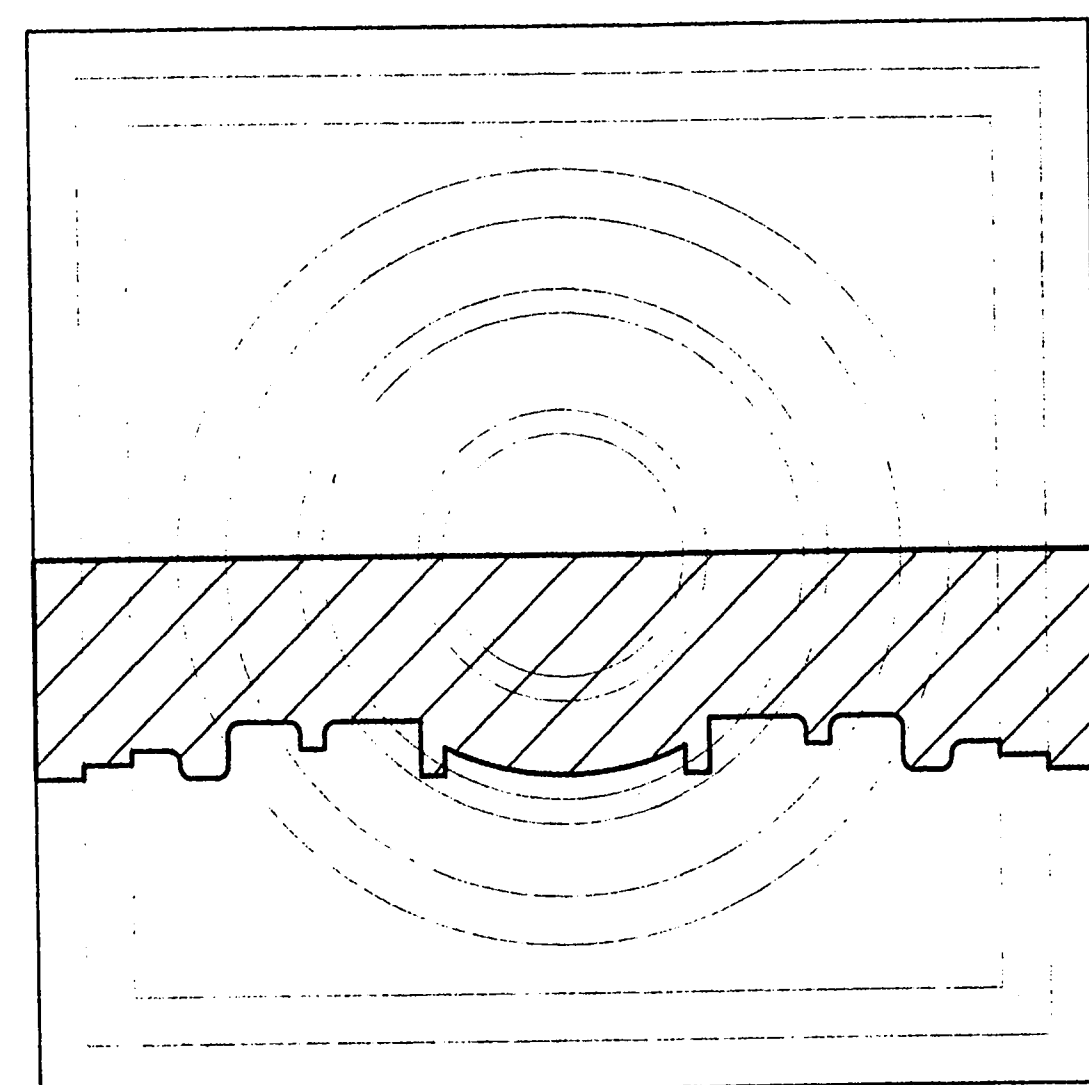
10 LS BMC 127
SCALE: FULL SCALE

11 LS BMC 109
SCALE: FULL SCALE

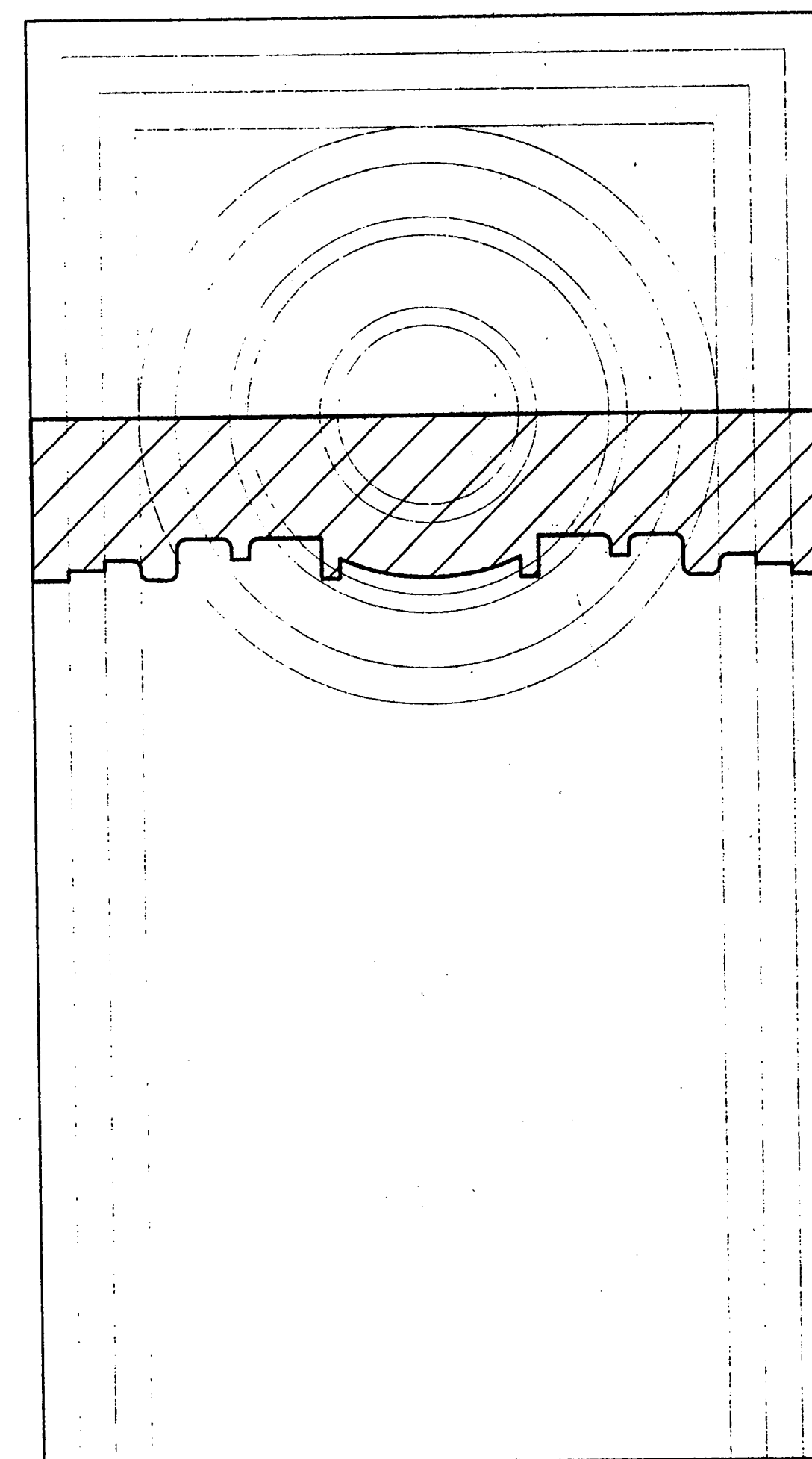
12 LS FLUTED PILASTER
SCALE: FULL SCALE



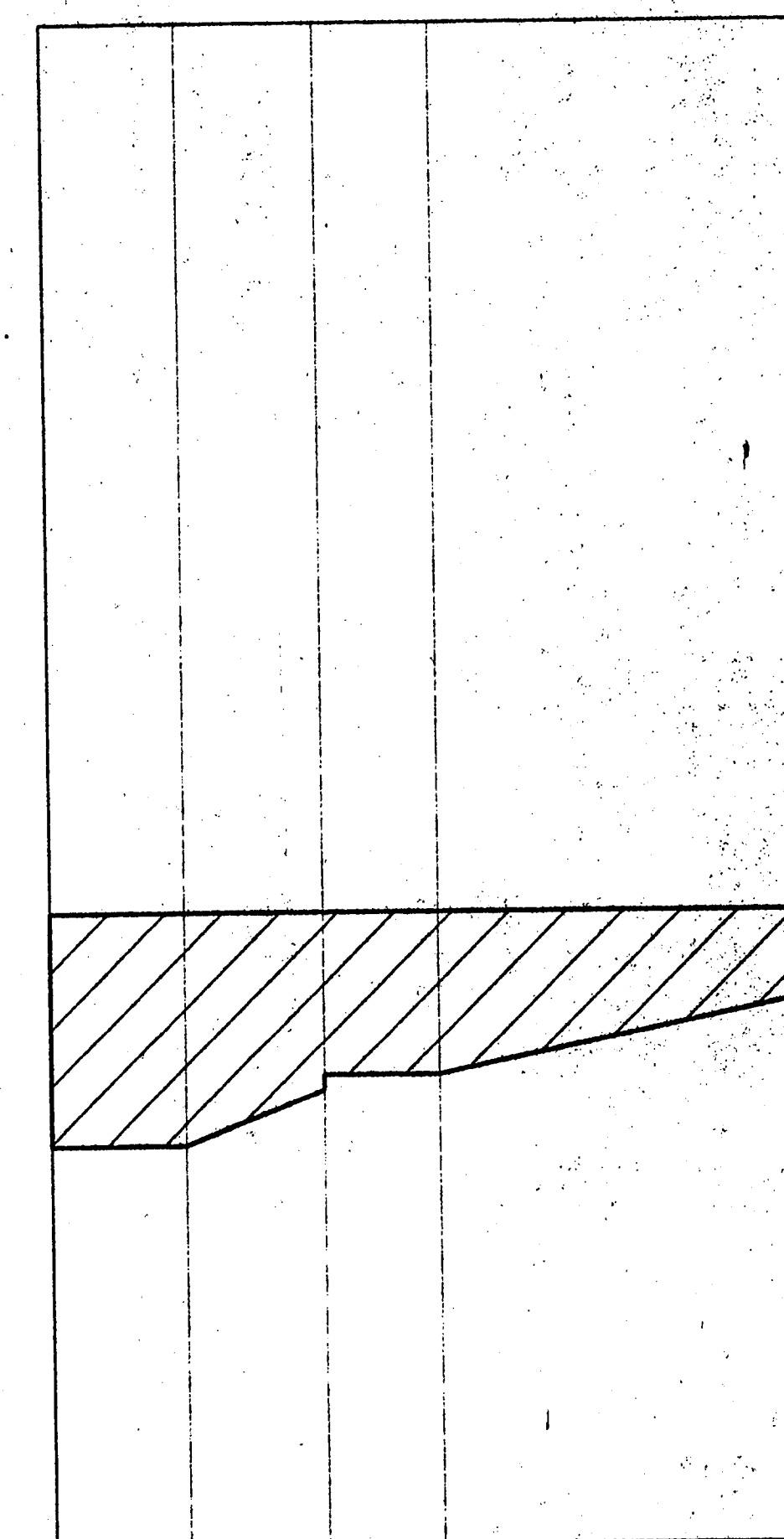
13 LS C214
SCALE: FULL SCALE



14 LS ROSETTE (5 1/2 x 5 1/2)
SCALE: FULL SCALE

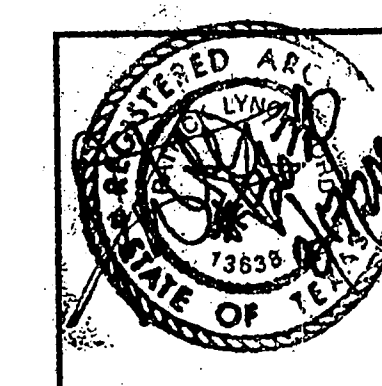


15 LS FLUTED PILASTER (5 1/2 x 10)
SCALE: FULL SCALE



16 AB68
SCALE: FULL SCALE

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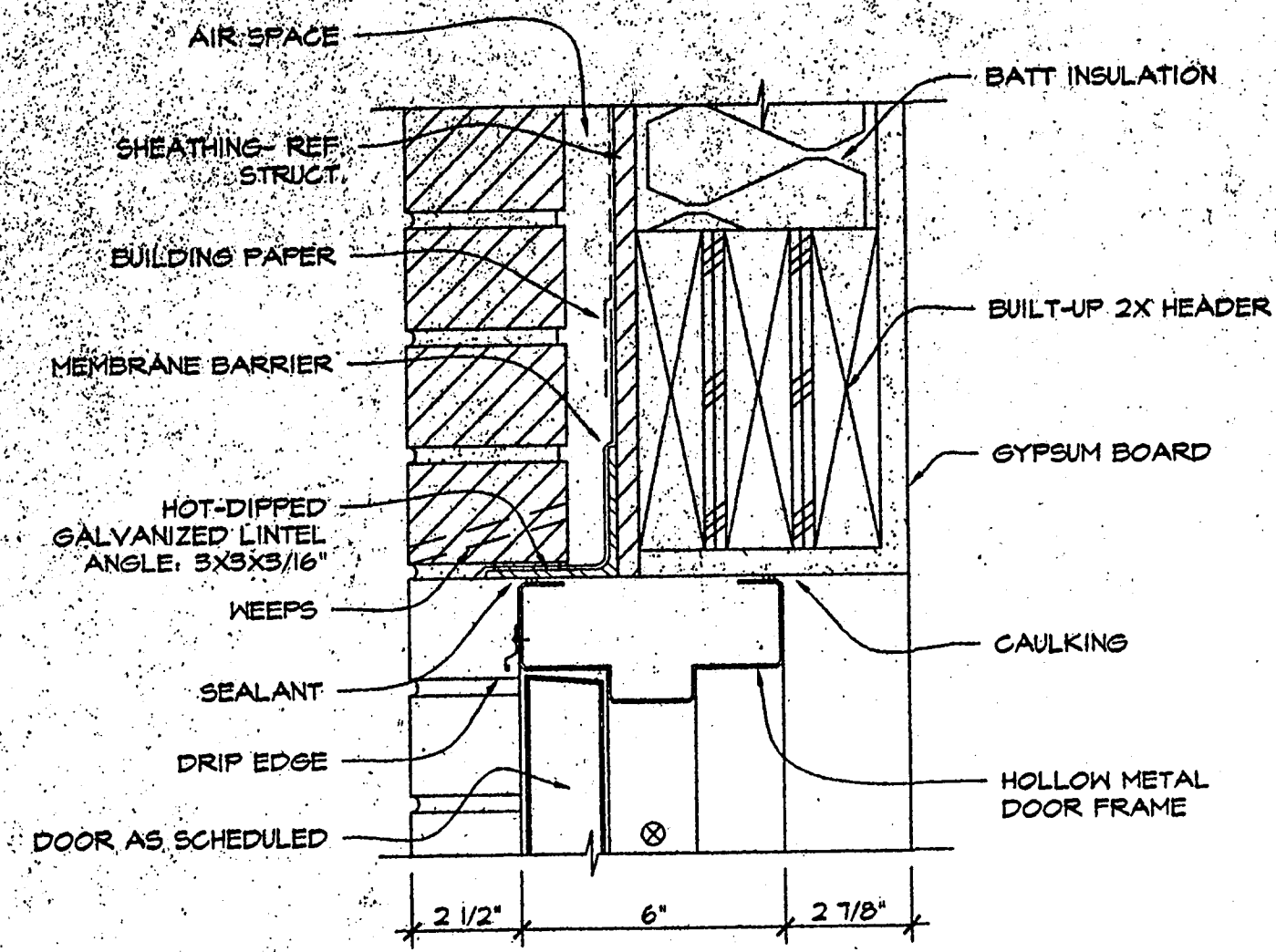
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Project # 1804

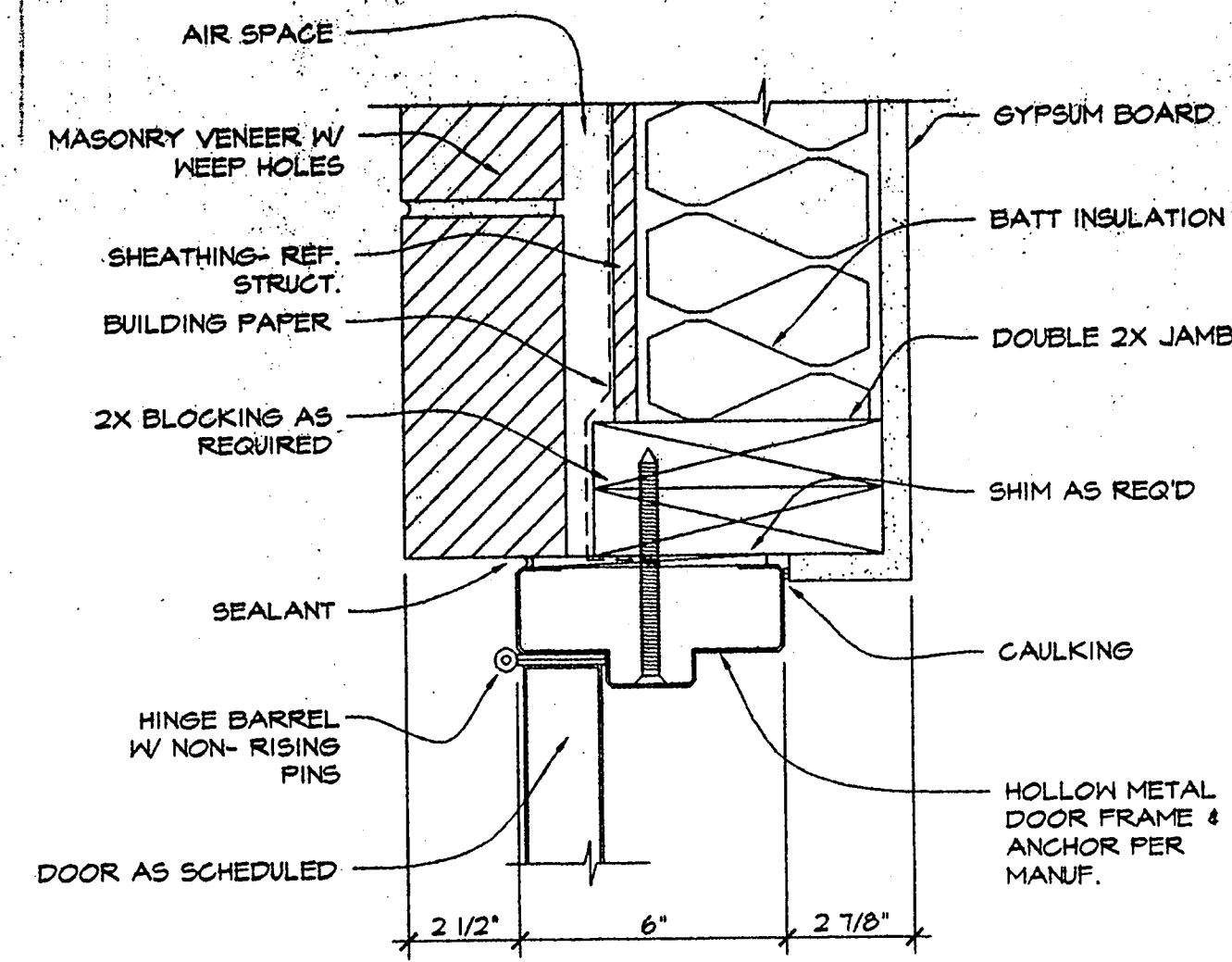
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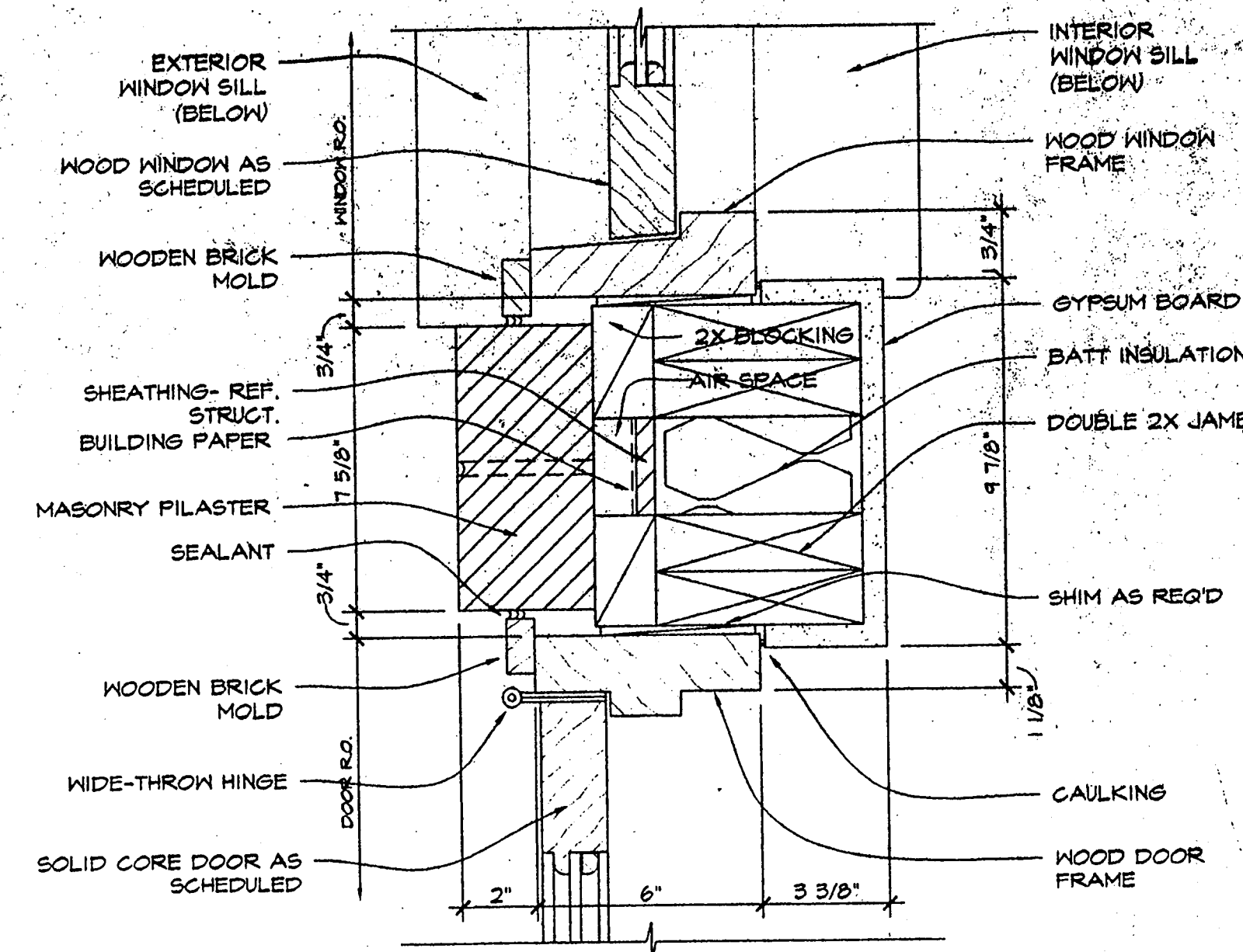
FULL SIZE DETAILS



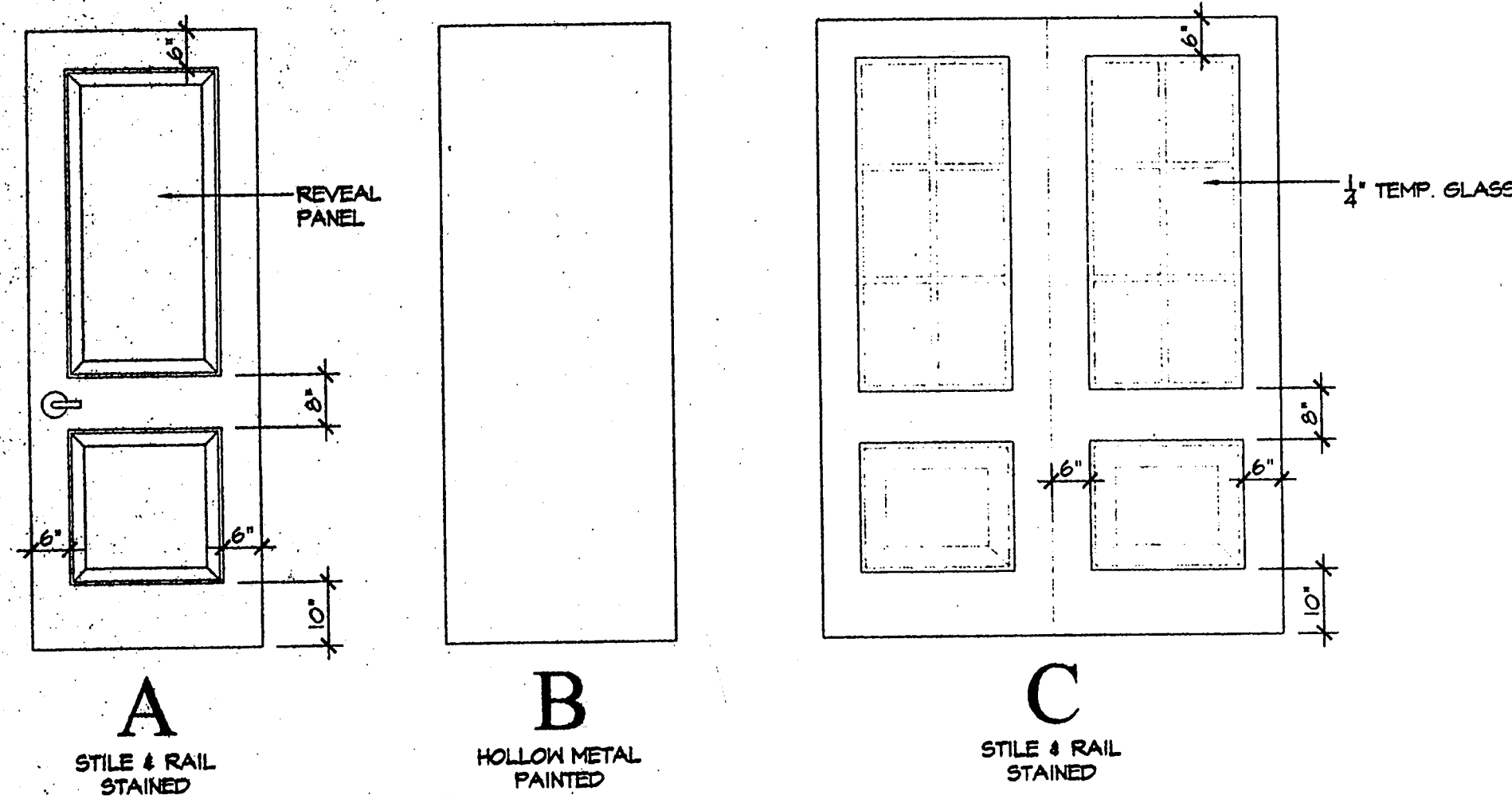
1 HEAD DETAIL
SCALE: 3" = 1'-0"



2 JAMB DETAIL
SCALE: 3" = 1'-0"



3 JAMB DETAIL
SCALE: 3" = 1'-0"



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

MARK	DOOR				FRAME			FIRE RATING	REMARKS	
	TYPE	MATL.	WIDTH	HEIGHT	THICK.	HARDWARE	HEAD			JAMB
001	C	WOOD	6'-0"	8'-0"	1-3/4"	HS-7		3/A1.00		
002	C	WOOD	6'-0"	8'-0"	1-3/4"	HS-8		3/A1.00		
003	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-3				COAT HOOK @ 60" A.F.F.
004	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-3				COAT HOOK @ 60" A.F.F.
005	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-3				COAT HOOK @ 60" A.F.F.
006	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-3				COAT HOOK @ 60" A.F.F.
007	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-6				
008	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-4				
009	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-6				
010	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-5				
011	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-10				
012	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-5				
013	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-4				H.C. SIGN 'WOMENS' @ WALL - REF. ELEV.
014	A	WOOD	3'-0"	8'-0"	1-3/4"	HS-4				H.C. SIGN 'MENS' @ WALL - REF. ELEV.
015	B	H. MTL.	3'-0"	8'-0"	1-3/4"	HS-1	1/A1.00	2/A1.00		
016	B	H. MTL.	3'-0"	8'-0"	1-3/4"	HS-2	1/A1.00	2/A1.00		
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

- | | | | |
|--|---|---|---|
| <p>HS-1</p> <ul style="list-style-type: none"> 4 BUTT HINGES 1 OVERHEAD EXPOSED CLOSER 1 LOCKSET- ENTRY FUNCTION 1 DOOR VIEWER 1 DOOR STOP 1 SET WEATHERSTRIPPING 1 THRESHOLD 1 RAIN DRIP | <p>HS-2</p> <ul style="list-style-type: none"> 4 BUTT HINGES 1 OVERHEAD EXPOSED CLOSER 1 LOCKSET- STOREROOM FUNCTION 1 DOOR STOP 1 SET WEATHERSTRIPPING 1 THRESHOLD 1 RAIN DRIP | <p>HS-3</p> <ul style="list-style-type: none"> 4 BUTT HINGES 1 LOCKSET- OFFICE FUNCTION 1 MALL STOP 1 COAT HOOK | <p>HS-4</p> <ul style="list-style-type: none"> 4 BUTT HINGES 1 OVERHEAD EXPOSED CLOSER 1 PUSH PLATE 1 FULL PLATE 1 KICK PLATE 1 DOOR STOP 1 SET- A.D.A. & GENDER SIGNAGE ('MENS' OR 'WOMENS') |
| <p>HS-5</p> <ul style="list-style-type: none"> 4 BUTT HINGES 1 OVERHEAD EXPOSED CLOSER 1 LOCKSET- ENTRY FUNCTION 1 DOOR STOP | <p>HS-6</p> <ul style="list-style-type: none"> 4 BUTT HINGES 1 OVERHEAD EXPOSED CLOSERS 1 LOCKSET- STOREROOM FUNCTION 1 DOOR STOP | <p>HS-7</p> <ul style="list-style-type: none"> 2 BUTT HINGES 2 OVERHEAD EXPOSED CLOSERS 1 DEADLOCK 1 SET - FLUSH BOLTS 1 THRESHOLD 2 DOOR STOPS 2 SETS- WEATHERSTRIPPING 2 SETS- PUSH/PULL 1 KNOX BOX | <p>HS-8</p> <ul style="list-style-type: none"> 2 BUTT HINGES 2 OVERHEAD EXPOSED CLOSERS 1 THRESHOLD 2 DOOR STOPS 2 SETS- WEATHERSTRIPPING 2 SETS- PUSH/PULL |

GENERAL NOTES:

ACCEPTABLE MANUFACTURERS- LOCKSETS, LATCHSETS, & CYLINDERS:

1. CORBIN/RUSSWIN
2. SARGENT MANUFACTURING CO.
3. SCHLAGE LOCK CO.
4. YALE SECURITY

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	<p>R-F ROGERS - FORD ARCHITECTURE - INTERIOR DESIGN 2616 THOMAS AVENUE DALLAS, TEXAS 75204 TELEPHONE (214) 711-9188 FAX (214) 871-3155</p>	<p>LONE STAR BANK 4650 BELTLINE ROAD at Beltwood Parkway East ADDISON, TX</p>	<p>7-25-2000 PERMIT ISSUE 8-17-2000 ISSUE FOR BID</p>	<p>A7.01</p>
	<p>SCHEDULES & DETAILS</p>			

LONE STAR BANK ADDISON
 4650 Beltline Road
 at Beltwood Parkway East
 Addison, TX
 Project #1805

FINISH LEGEND
 08-18-00

GENERAL NOTES: Rogers-Ford is to see samples of all items called out on the finish legend for approval prior to installation. Reference specifications.
 See drawings in context to all material dimensions and quantities. See architectural specification for further clarification.
 All painted walls and ceilings to have lightly knocked down orange peel texture.
 All flooring material are to run wall to wall and into recesses.
 All installation procedures must be approved by manufacturer and according to specifications.

ACOUSTICAL CEILING TILE

ACT-1 Armstrong Cirrus 24" x 24" x 3/4" Angled Tegular tiles with 584 Prelude 15/16" exposed Tee Grid. See arch. specs.
 ACT-2 Armstrong, 24" x 24" x 3/4" square edge vinyl covered exterior grade, painted and galvanized grid.

PAINT

All paints to be Benjamin Moore
 All wall paint to be eggshell finish unless noted otherwise.
 All trim paint to be semi-gloss finish unless noted otherwise.
 All ceiling paint to be flat finish unless noted otherwise.
 All areas to receive wallcovering to be primed.

PT-1 (ceilings) Benjamin Moore, color TBD
 PT-2 (restrooms) Benjamin Moore, color TBD
 PT-3 (refer to alternates) Benjamin Moore, semi-gloss finish, color TBD

CARPET

Owner supplied contractor installed.
 CPT-1 Monterey Tribeca Color: 6030-5525 Riverdale, 12" width, with "Enhancer Back #3" attached pad. See section 09680.

WOOD

WD-1 3" width Brazilian Cherry, \$10.50 sq. ft. allowance, material only, stained to match designer's supplied sample. Refer to alternates.
 WD-2 (all trim) Medium finish, stained to match designer's supplied sample. Refer to alternates.
 WD-3 (desktops) Medium finish, stained to match designer's supplied sample. Refer to alternates.

GRANITE

G-1 Silver sea green 3/4" thick slab, polished finish, edge as detailed in architectural specifications. Available through Kerry @ IGM 214-631-2202.
 G-2 Silver sea green granite tiles, size: 12" X 12" X 3/8" thick, honed finish. Available through Kerry @ IGM 214-631-2202.

SHEET VINYL

SV-1 Armstrong Medintech #86495 Carthamus Champagne

VINYL COMPOSITION TILE

VCT-1 Mannington Commercial, Essentials, 12" x 12" x 1/8" thick, color TBD.

WALLCOVERING

Owner supplied, contractor installed.
 Contractor to provide all wallcovering quantities.
 WC-1 (main areas/lobby): Maharam, Style: Tek-wall Environ #395250, Color 007 Turf, 54" width. 55% Polyolefin, 42% Polyester, 3% Nylon, Teflon acrylic backing
 WC-2 (offices & conference): Maharam, Style: Tek-wall Vista #395390, color 006 Seedling, 54" width. 100% Polyolefin, Teflon acrylic backing
 WC-3 NOT USED

WC-4 (workroom): Maharam, Style: Milieu #395015 Relativity Series, Color 006 Dust, 54" width, Type II, 20 oz., 100% Vinyl, Polyester/cotton osnaburg backing

SPECIAL FINISH

SF-1 Multi-step process, special finish paint @ window frame and mullions, to match WD-2. Submit sample to designer for approval. Refer to section 09900.

RUBBER BASE

All rubber base to be continuous roll.
 RB-1 Johnsonite wall base, 4" cove base, color TBD
 RB-2 Johnsonite wall base, 4" straight base, color TBD
 RB-3 Johnsonite wall base, 4" cove base, color TBD

LAMINATE

L-1 Nevamar ARP Surface, matrix, textured, 1 1/2" square edge, all colors TBD.
 L-2 Nevamar ARP Surface, matrix, textured, 1 1/2" square edge, all colors TBD.

LEATHER INSERT

Contractor to supply substrate, owner will supply and mount leather, contractor install.
 LTH-1 Leather inset, touléd, size: 48" x 30", Standard desk-top leather series, color: TBD, with one border of gold tooling, pattern TBD, and one border of blind tooling, pattern TBD. Available through Marci @ Larru leathers 214-760-7003. See arch. drawings.

PEDIMAT

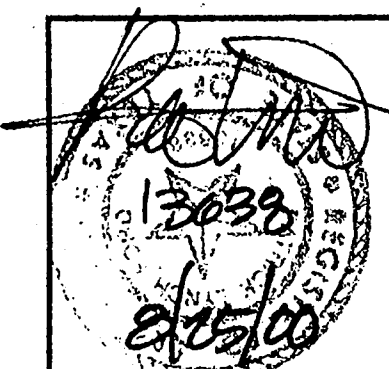
PD-1 Pedimat tread inset, Pawling Corp., Rigid Back Nylon Carpet (SNC) color #595 Truffle or #596 Winter Slate. Submit samples to designer for approval.

LONE STAR BANK ADDISON
 4650 Beltline Road
 at Beltwood Parkway East
 Addison, TX
 Project #1805

FINISH SCHEDULE
 08-18-00

ROOM	ROOM #	FLOOR	WALLS	BASE	TRIM	CEILING	REMARKS
Vestibule	101	WD-1/PT-1*	WC-1	WD-2	WD-2/SF-1	PT-1	*See arch drawing for layout
Entry	102	WD-1*	WC-1	WD-2	WD-2/SF-1	PT-1	*Special pattern/design see arch drawing for layout
Waiting	103	WD-1*	WC-1	WD-2	WD-2/SF-1	ACT-1	*See arch drawing for layout
Waiting	104	CPT-1	WC-1	WD-2	WD-2	PT-1	
Hall	105	CPT-1	WC-1	WD-2	WD-2	ACT-1	
ATM	106	VCT-1	PT-1	RB-1		ACT-1	
Enclosed Office #4	107	CPT-1	WC-2	WD-2	WD-2/SF-1*	ACT-1	*SF-1 @ windows
Enclosed office #1	108	CPT-1	WC-2	WD-2	SF-1	ACT-1	
Enclosed office #2	109	CPT-1	WC-2	WD-2	SF-1	ACT-1	
Enclosed office #3	110	CPT-1	WC-2	WD-2	SF-1	ACT-1	
Lobby	111	CPT-1	WC-1	WD-2	WD-2	PT-1	

ROOM	ROOM #	FLOOR	WALLS	BASE	TRIM	CEILING	REMARKS
Teller area	112	CPT-1	WC-1	WD-2	WD-2/SF-1 L-1*/WC-1**	ACT-1/PT-1***	*L-1 @ window wall countertop & cabinetry **WC-1 below 3'-3" h counter surfaces, see attached drawing for locations ***PT-1 @ ceiling furdawn WD-3 @ teller line desk tops, see attached drawing LTH-1 @ desk tops inserts, see arch. details
Safe	113	CPT-1	PT-1	RB-2		ACT-1	
Vault	114	CPT-1	PT-1	RB-2		ACT-1	
Cash	115	CPT-1	PT-1	RB-2	L-3	ACT-1	L-3 @ countertop and backsplash
Conference	116	CPT-1	WC-2	WD-2	SF-1	ACT-1	
Workroom	117	SV-1	WC-4	RB-3	L-1/L-2*/SF-1	ACT-1	*L-1 @ countertop and backsplash L-2 @ cabinetry
Hall	118	SV-1	WC-4	RB-3		ACT-1	
Restroom-Men's	119	G-2	G-2/PT-2*	G-2	WD-2	PT-1	*PT-2 above granite tiles
Restroom-Women's	120	G-2	G-2/PT-2*	G-2	WD-2	PT-1	*PT-2 above granite tiles
Electrical	121	CONCRETE	PT-1	RB-1		PT-1	



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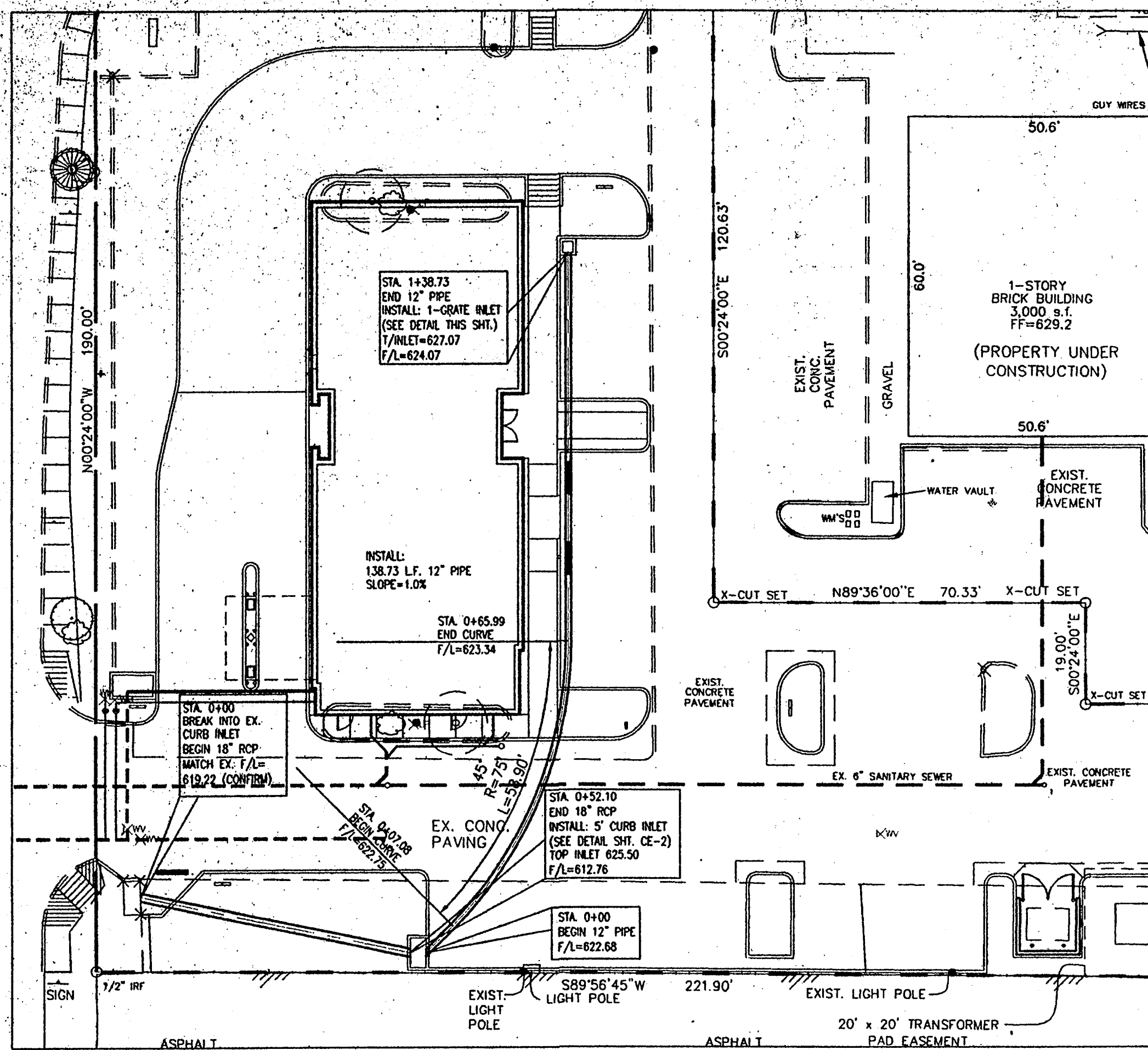
LONE STAR BANK
 4650 BELTLINE ROAD
 at Beltwood Parkway East
 ADDISON, TX
 Project # 1804

8-25-2000 ADDENDUM #1

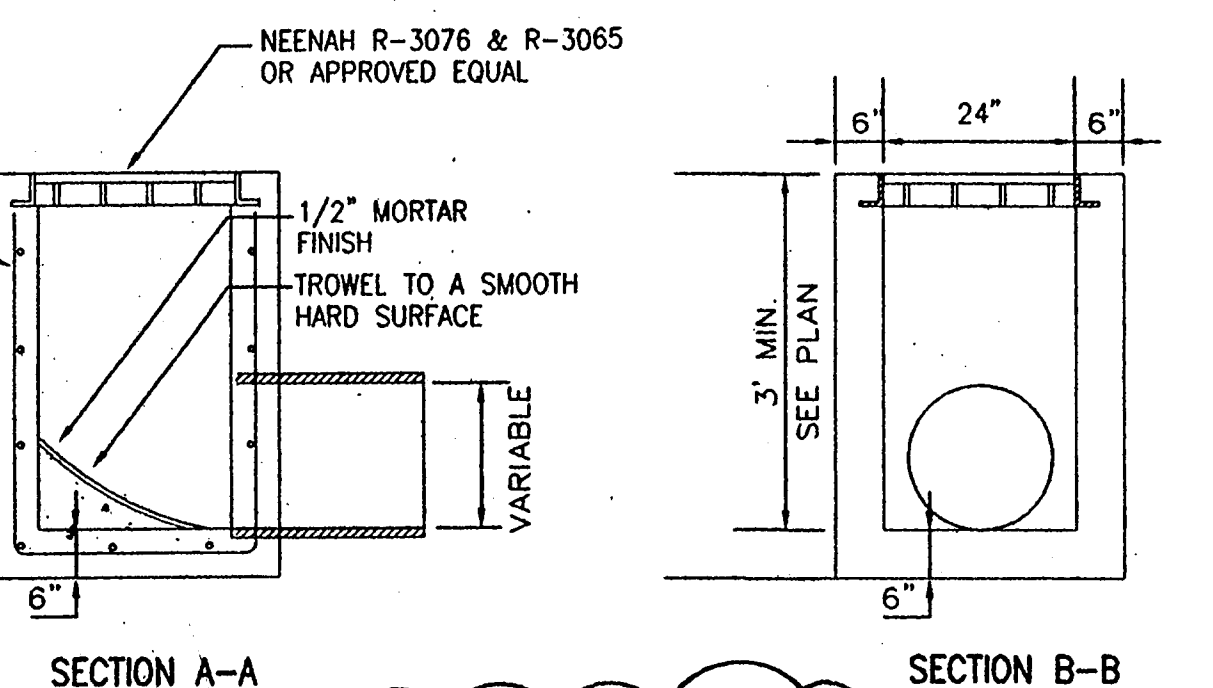
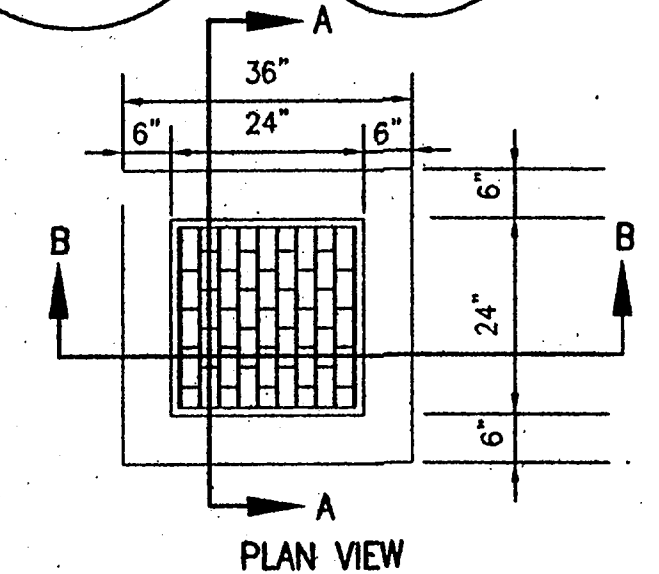
A7.02

FINISH SCHEDULE

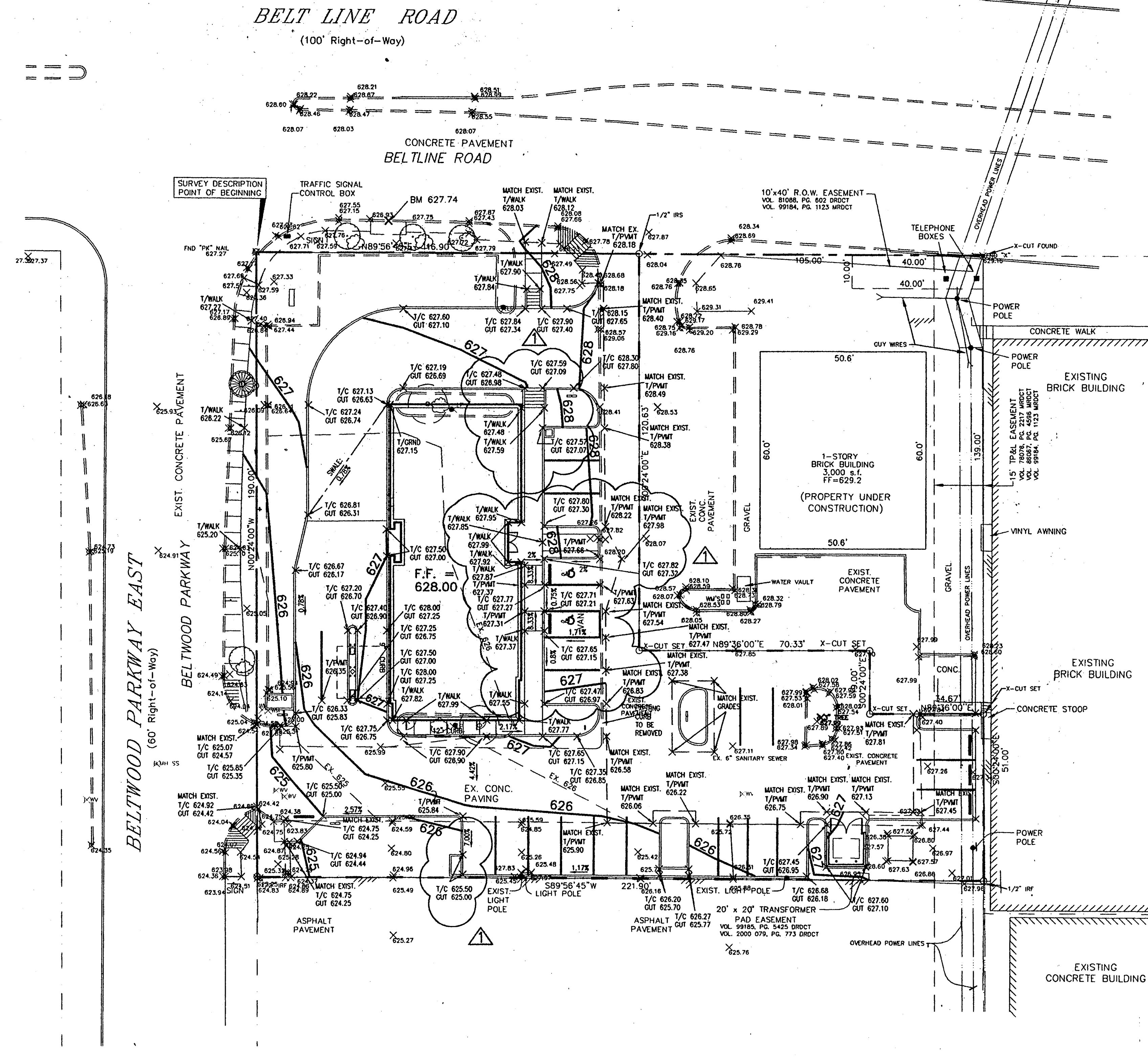
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STORM SEWER PLAN
SCALE: 1" = 20'-0"



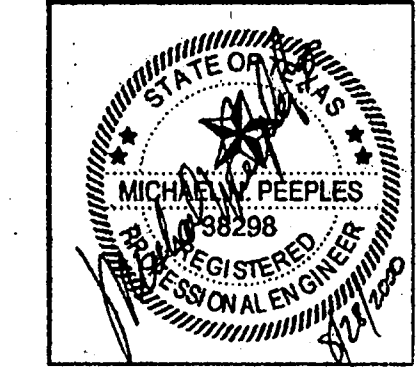
ONE GRATE INLET DETAILS
SCALE: NTS



1 GRADING PLAN
SCALE: 1" = 20'-0"



MICHAEL PEEPLES
ENGINEERS & PLANNERS
2514 TARPLEY ROAD, #118 - CARROLLTON, TX 75006
972-416-1968 (TEL) 972-416-5289 (FAX)



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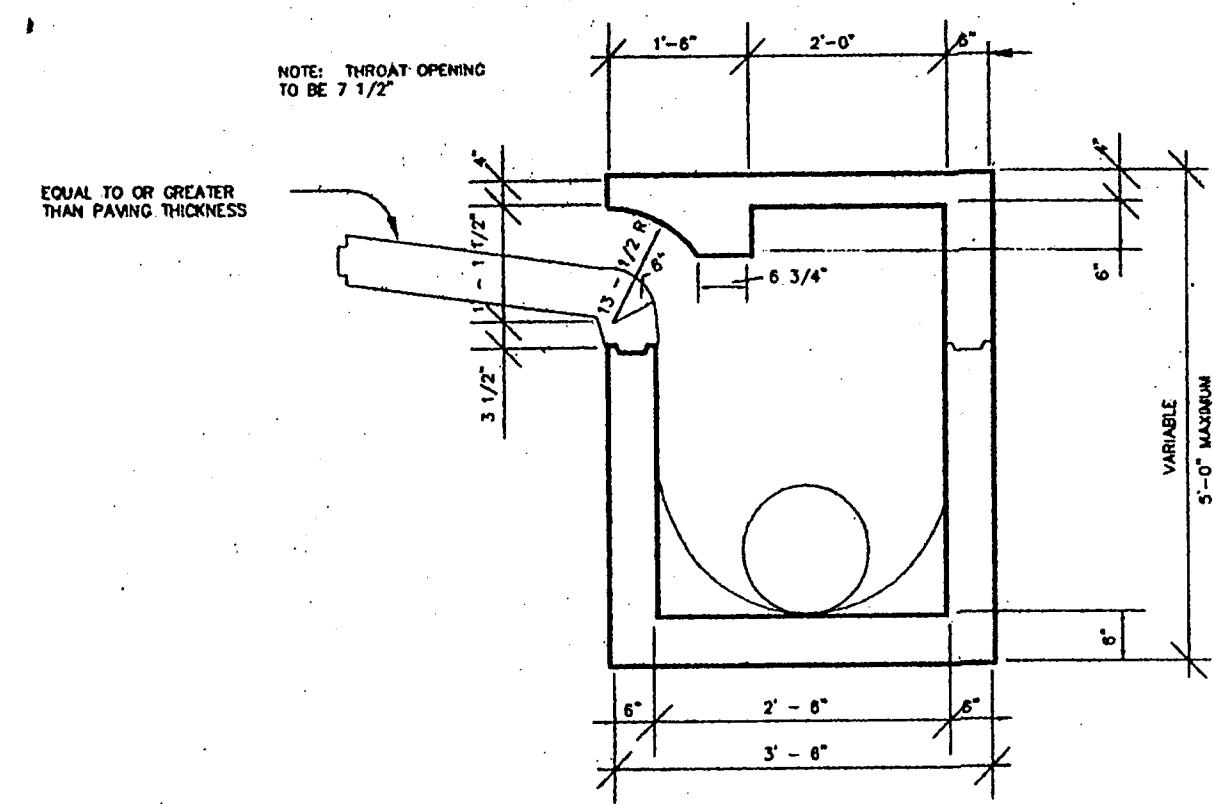
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4650 BELTLINE ROAD
at Beltwood Parkway East
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Project # 1804

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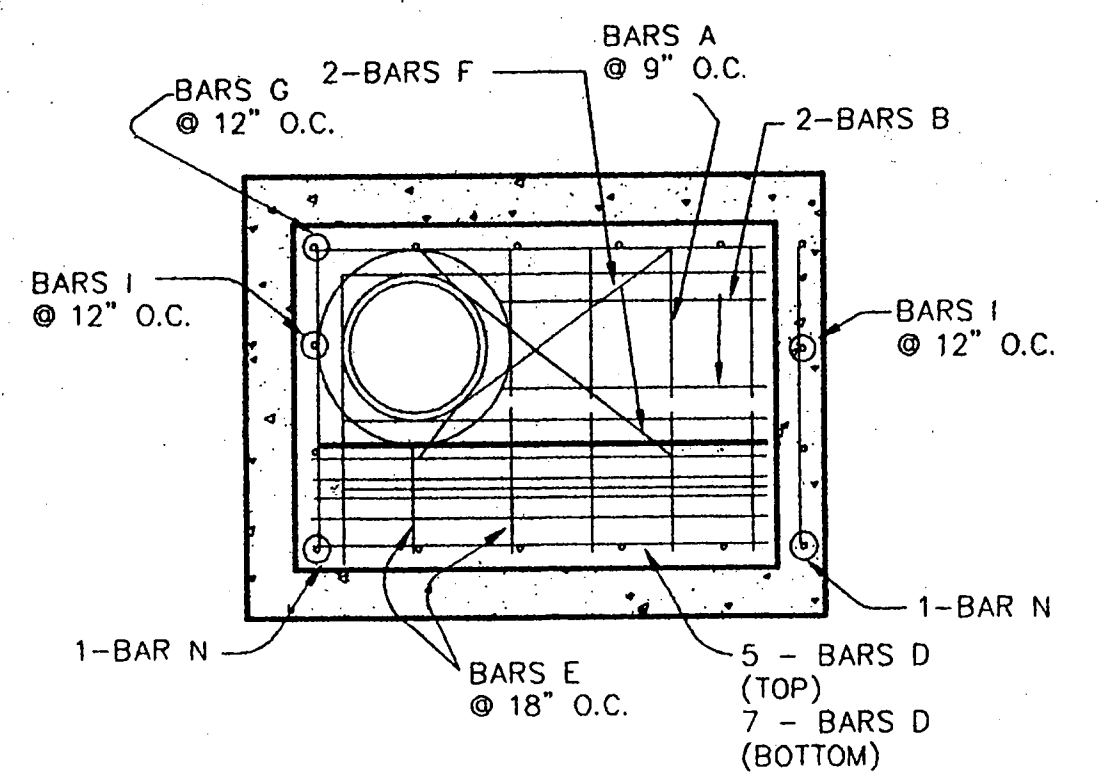
CE-1

GRADING PLAN

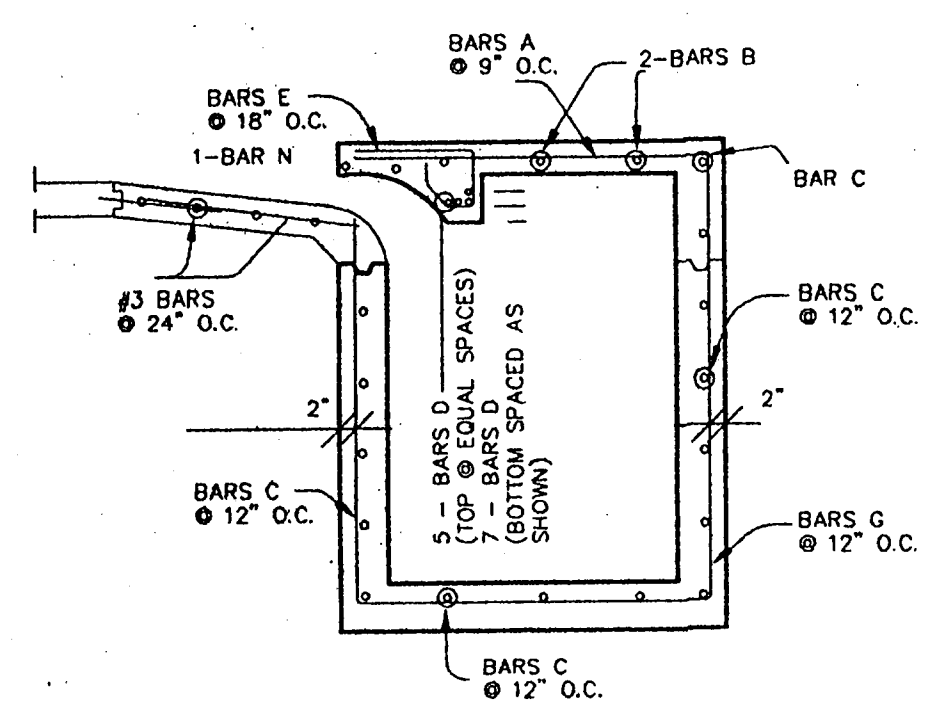
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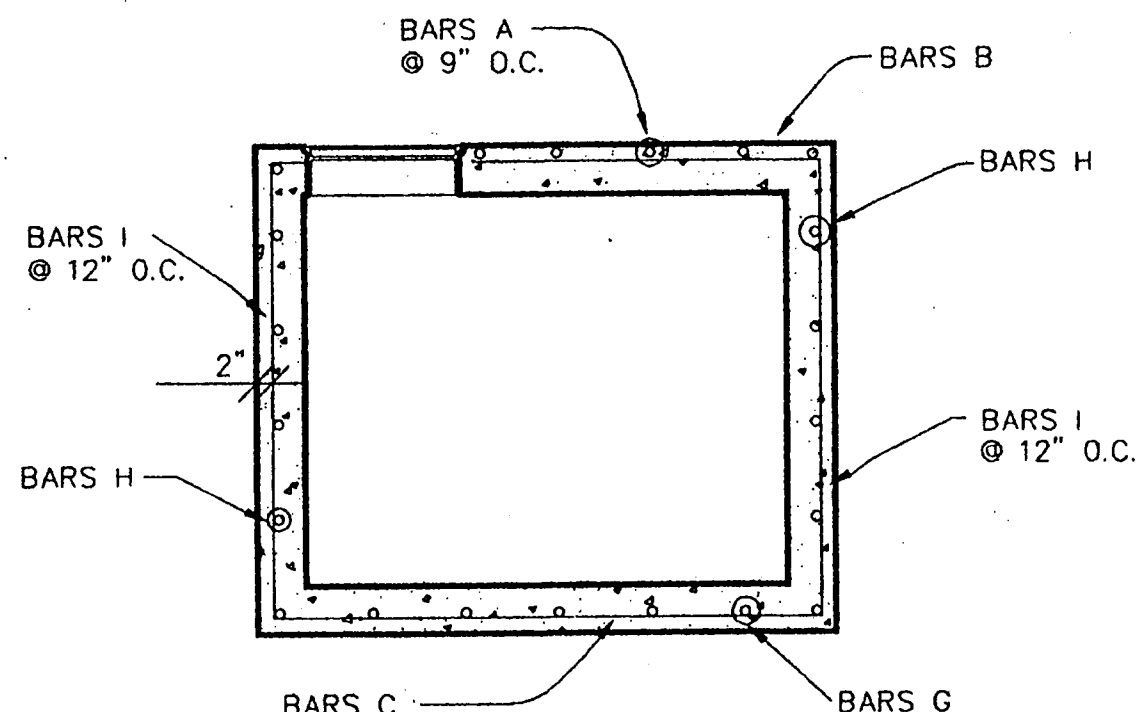
TYPICAL CROSS SECTION



PLAN VIEW



SECTION E-E

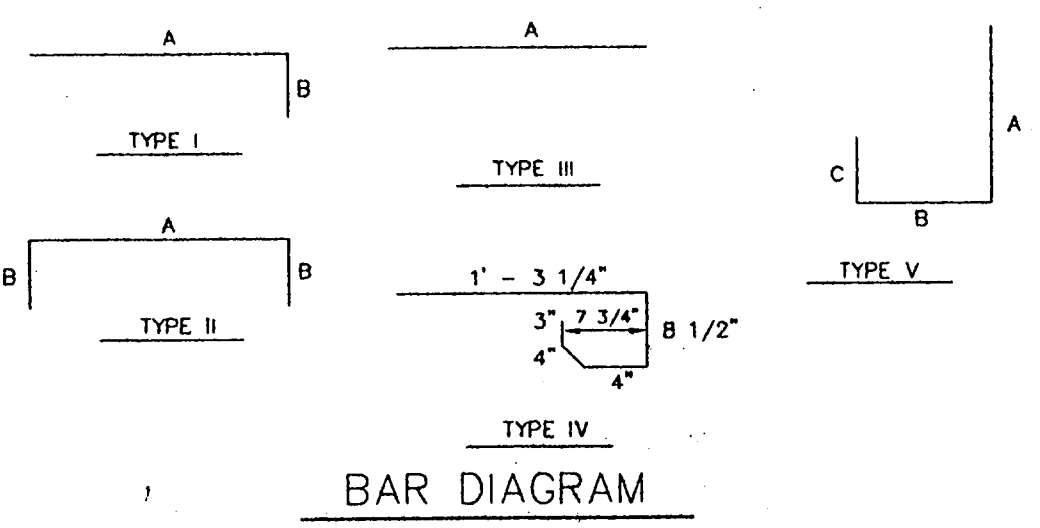


SECTION B-B

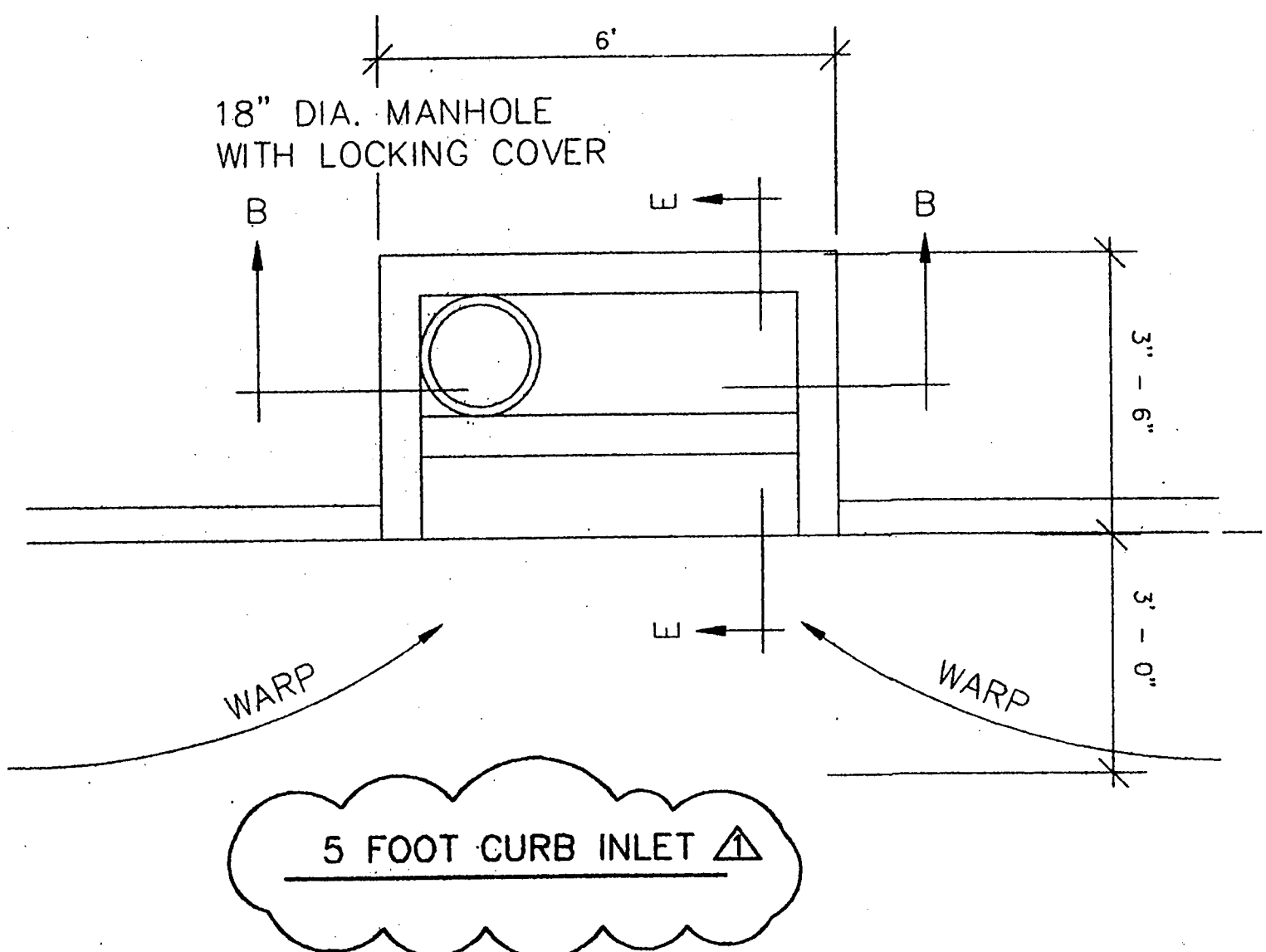
REINFORCING BAR SCHEDULE							
INLET LENGTH	BAR MARK #	BAR DIAGRAM TYPE	BAR SIZE	NUMBER REQUIRED	BAR BENDING DIMENSIONS		
					A	B	C
5'	A	I	#3	5	3'-2"	8"	-
	B	I	#3	2	3'-8"	8"	-
	C	II	#4	VARIES	5'-8"	0"	-
	D	II	#4	12	5'-8"	6"	-
	E	IV	#3	6	-	-	-
	F	III	#3	2	4'-0"	-	-
	G	V	#4	7	-	3'-2"	19"
	H	III	#4	VARIES	3'-2"	-	-
	I	III	#4	4	-	-	-
	N	III	#4	2	1'-6"	-	-

SEE BAR DIAGRAM FOR DIMENSIONS
LENGTH VARIES DUE TO DEPTH OF INLET

CURB INLET REINFORCING

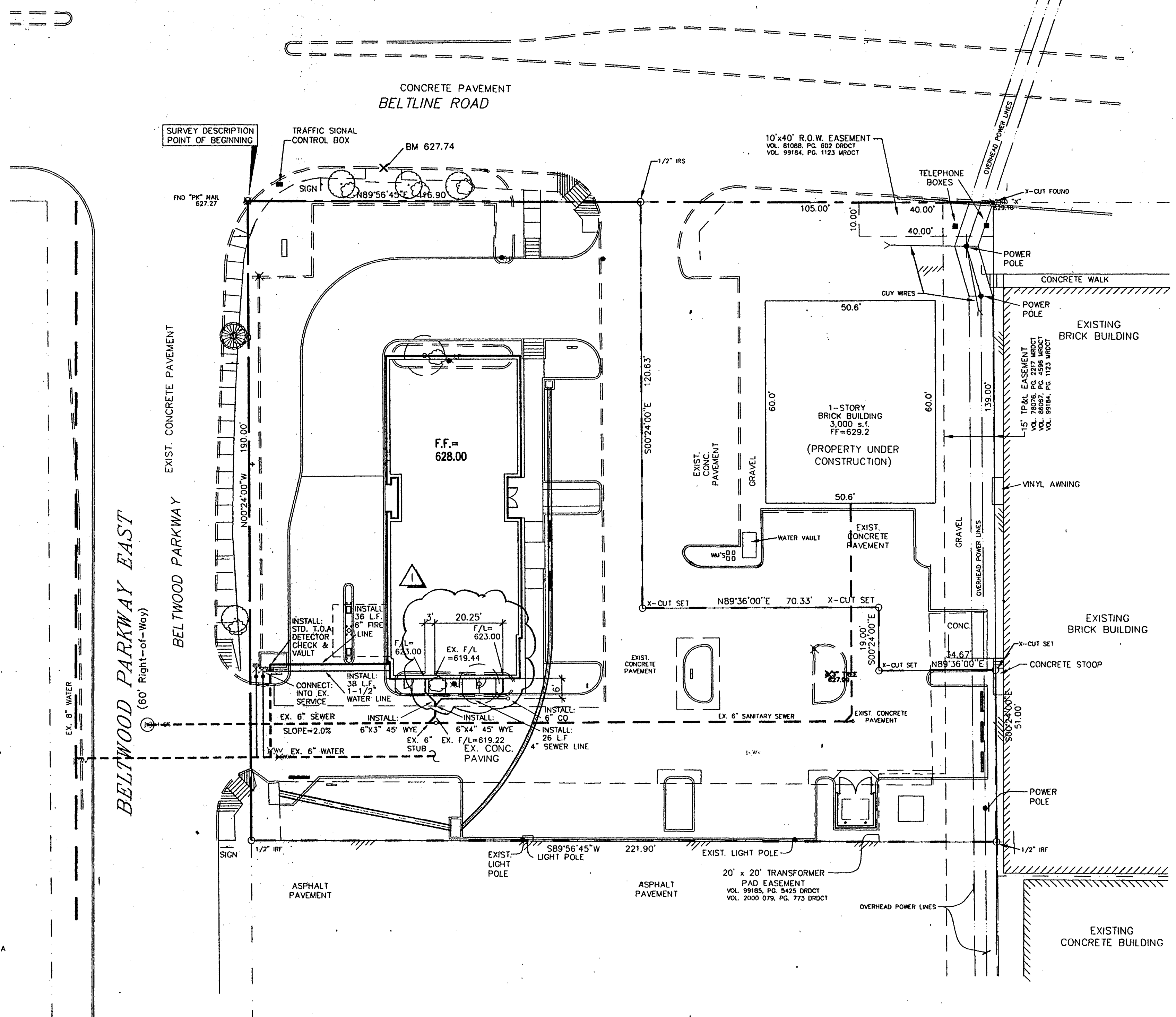


BAR DIAGRAM



BELT LINE ROAD

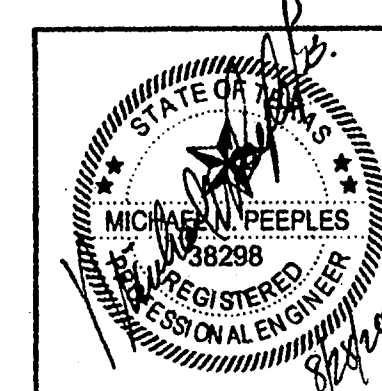
(100' Right-of-Way)



UTILITY PLAN
SCALE: 1" = 20'-0"



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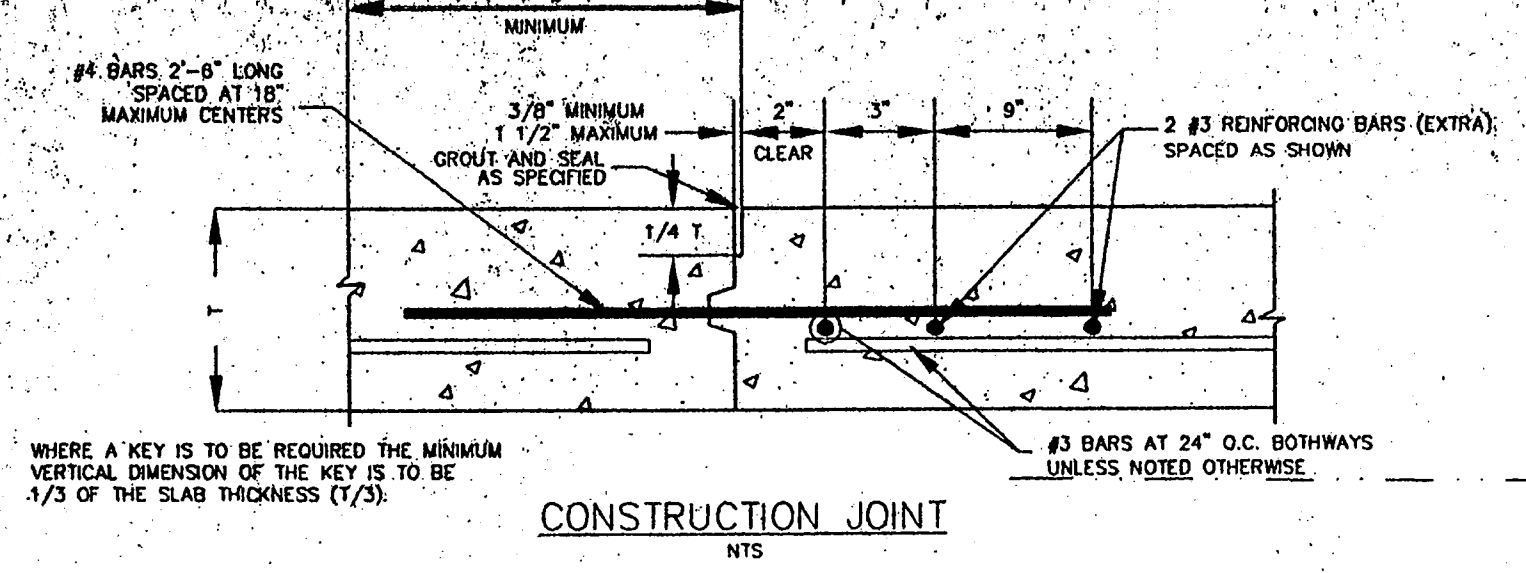
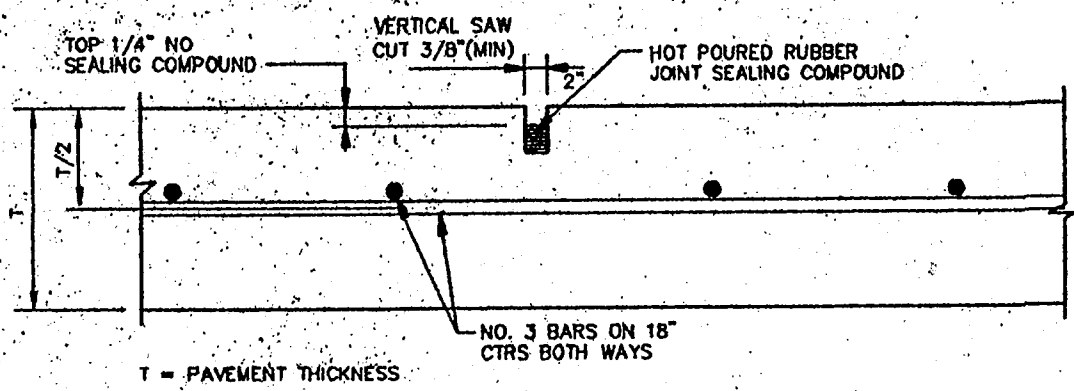
LONE STAR BANK
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at Beltwood Parkway East
ADDISON, TX.
Project # 1804

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CE-2

UTILITY PLAN

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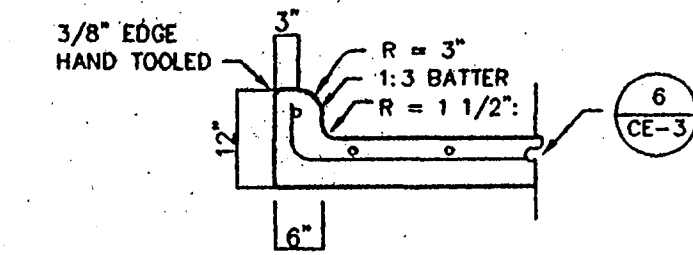


1/CE-3
SAWED DUMMY
JOINT DETAIL
(CONTRACTION JOINT)

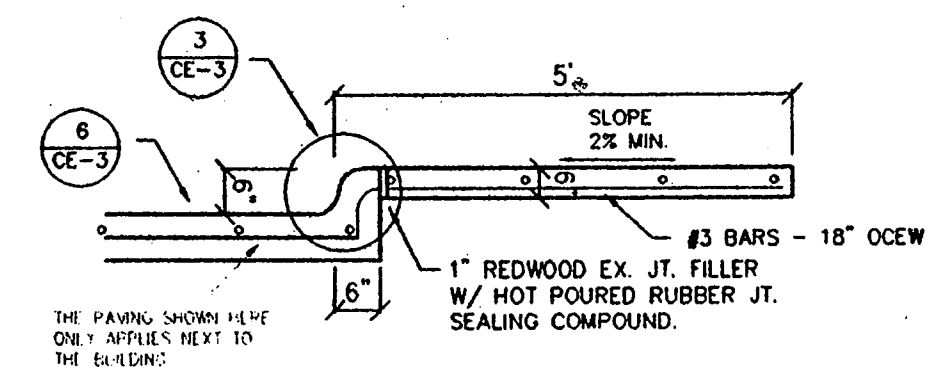
2/CE-3
CONSTRUCTION JOINT

GENERAL NOTES:

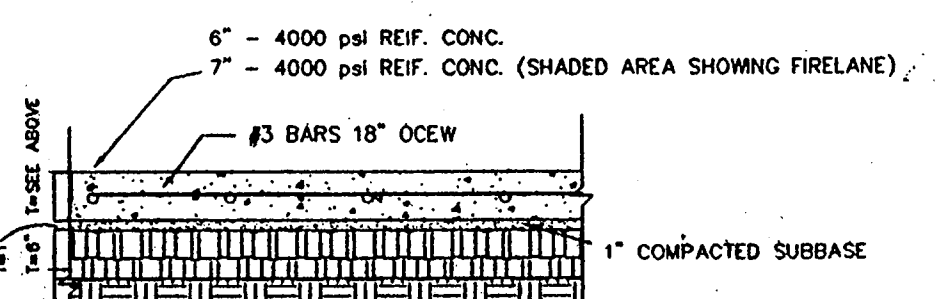
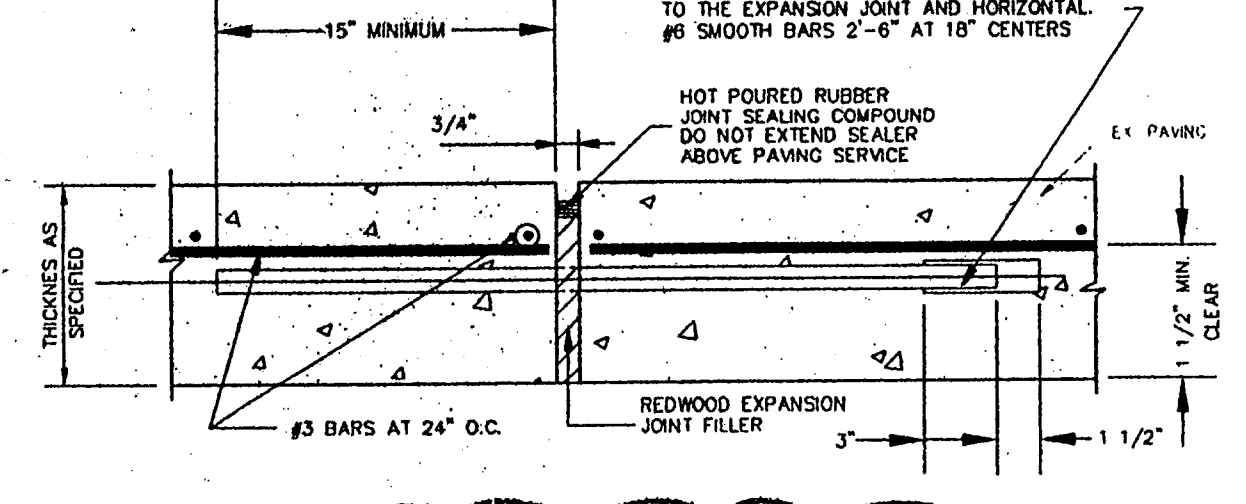
1. ALL #4 X 2'-6" BARS ARE TO BE SET IN DRILLED HOLES USING EPOXY GROUT IN THE MANUFACTURER'S RECOMMEND QUANTITIES.
2. ALL REINFORCING BARS SHALL HAVE WIRE TIES AT EVERY INTERSECTION (100% TIE).
3. WHERE NEW CONCRETE IS TO BE POURED AGAINST OLD CONCRETE, THE OLD CONCRETE SHALL HAVE A COAT OF EPOXY BONDING AGENT APPLIED AT THE MANUFACTURER'S SPECIFIED RATES.



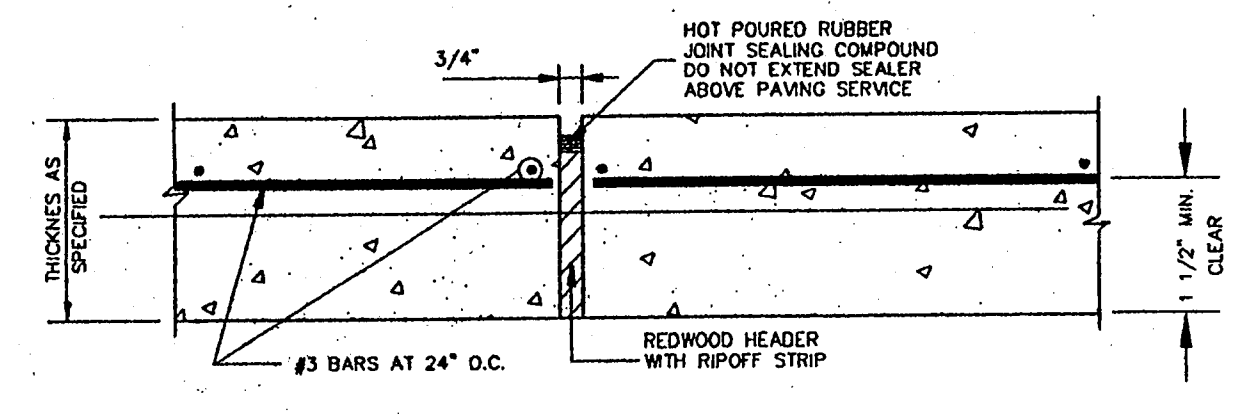
3/CE-3
INTEGRAL CURB &
GUTTER DETAILS



5/CE-3
SIDEWALK DETAIL



7/CE-3
EXPANSION JOINT TYPE "A"

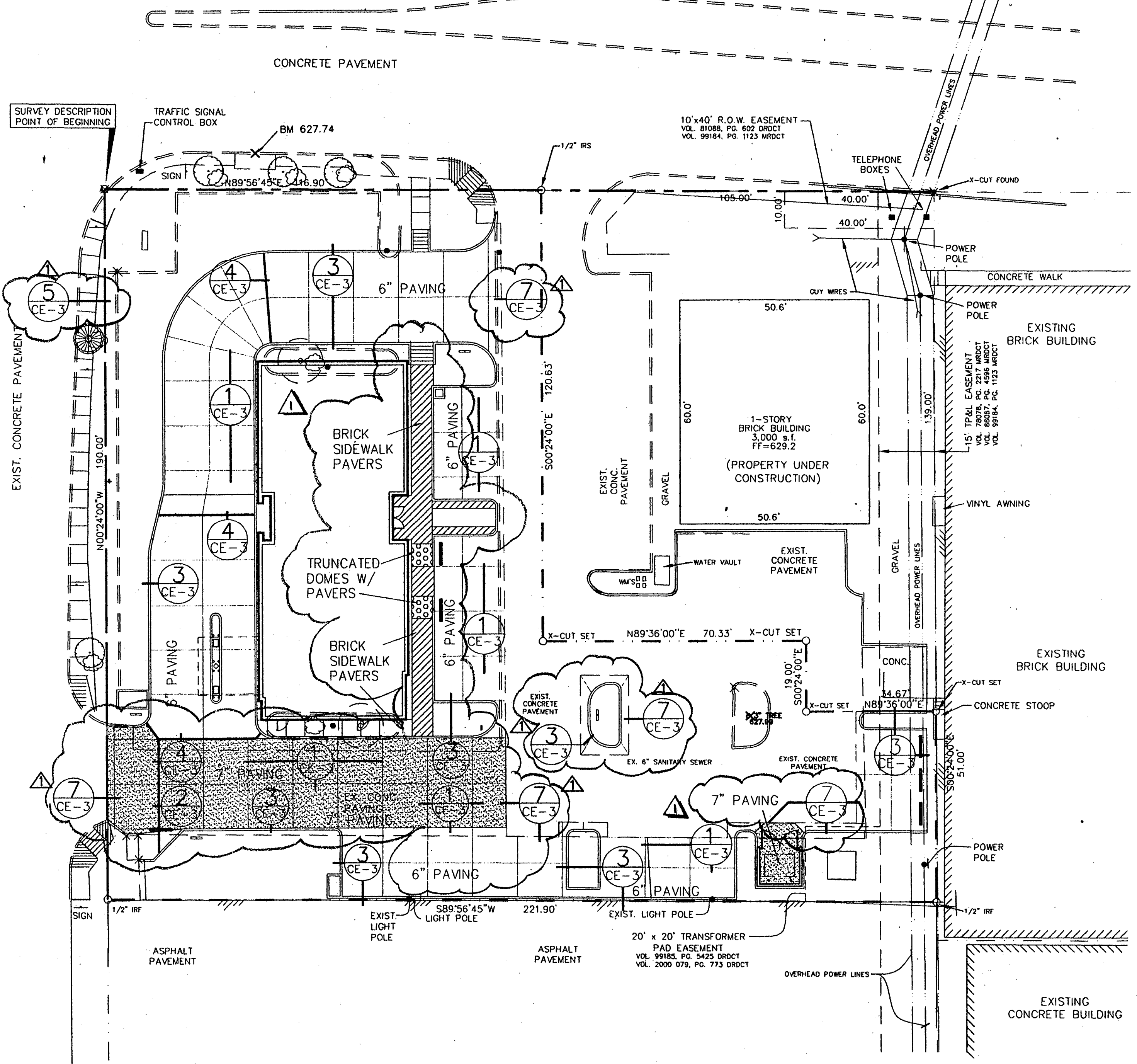


8/CE-3
EXPANSION JOINT TYPE "B"

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH TOWN OF ADDISON STANDARDS AND SPECIFICATIONS.
2. ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT (COG).
3. THE MINIMUM FLEXURAL STRENGTH OF CONCRETE IN FIRE LANES, DRIVEWAYS AND DAMPSTER PAD AT 28 DAYS SHALL BE 4000 PSI AND CONTAIN A MIN. OF 520 LBS. WEA. CEMENT PER CUBIC YARD WITH 4 TO 6% ENTRAINED AIR. THE MIN. COMPRESSIVE STRENGTH OF ALL OTHER PAVING TO BE 3500 PSI CONCRETE.
4. BARS SHALL CONFORM TO A.S.T.M. DESIGNATION A-615 WITH A MAXIMUM SPACING OF 18" O.C. SIZES AND SPACING SHALL BE INDICATED HEREIN EXCEPT SUCH ALTERNATES THAT MAY BE ALLOWED IN THE SPECIFICATIONS.
5. ALL CURB AND GUTTER SHALL BE INTEGRAL WITH PAVEMENT AND SHALL BE THE SAME COMPRESSIVE STRENGTH AS PAVEMENT.
6. BAR LAPS SHALL BE 30 DIAMETERS.
7. THE TOP 6" OF SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF STD. PROCTOR (ASTM D-698) IN AREAS WHERE LIMESTONE OR SILTY CLAY ARE EXPOSED. THE PAVEMENT SUBGRADE SHALL BE RIPPED OR SCARIFIED TO A DEPTH OF 6" TO BREAK UP LIMESTONE LEDGES AND PROVIDE A UNIFORM BEARING SURFACE. THE SOIL AND BROKEN ROCK SHOULD BE RECOMPACTED TO AT LEAST 95% OF STD. PROCTOR MIN. DRY DENSITY (ASTM D-698) AT OR WITHIN THREE PERCENTAGE POINTS OF THE MATERIALS OPTIMUM MOISTURE CONTENT.
8. ALL CONCRETE SHALL BE CURED BY THE USE OF MEMBRANE CURING COMPOUND CONFORMING TO THE REQUIREMENTS OF ASTM C-309 FOR TYPE II, WHITE PIGMENTED.
9. EXPANSION JOINT MATERIAL SHALL BE REDWOOD OR PREMOULDED ASPHALT AS SHOWN DRAWINGS AND JOINT SEALER SHALL BE HOT POURED RUBBER.
10. PORTLAND CEMENT CONCRETE AND RELATED MATERIALS SHALL CONFORM TO ITEM 2.2 OF THE COG SPECIFICATIONS UNLESS OTHERWISE NOTED.
11. PORTLAND CEMENT CONCRETE CONSTRUCTION SHALL CONFORM TO COG SPECIFICATIONS UNLESS OTHERWISE NOTED.
12. DUST CONTROL: DURING CONSTRUCTION CONTRACTOR SHALL MAINTAIN SITE IN SUCH A MANNER THAT DUST SHALL BE PREVENTED FROM BLOWING ONTO ADJACENT PROPERTIES.
13. EROSION CONTROL: DURING CONSTRUCTION, CONTRACTOR SHALL MAINTAIN SITE IN SUCH A MANNER THAT EROSION DOES NOT OCCUR CAUSING SILT TO FLOW ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL SUBMIT IN WRITING PROPOSED EROSION CONTROL MEASURES.
14. STORM WATERS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF STORM WATER FLOWING FROM THE SITE DURING CONSTRUCTION BEING DIVERTED ONTO THE ADJACENT PROPERTIES IN A CONCENTRATED MANNER. IF IT IS NECESSARY DURING CONSTRUCTION TO INTERRUPT THE NATURAL DRAINAGE OF THE SURFACE, OR THE FLOW OF ARTIFICIAL DRAINS, THE CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE FACILITIES THAT SHALL PREVENT DAMAGE TO PUBLIC OR PRIVATE FACILITIES; AND SHALL RESTORE THE ORIGINAL DRAINS AS SOON AS THE WORK IS COMPLETED.
15. ALL DISTURBED AREAS SHALL BE HYDROMULCHED AND MAINTAINED UNTIL 80% GROWTH UNLESS OTHER WISE INDICATED ON THE PLANS.
16. ALL AVAILABLE DATA WAS USED TO LOCATE EXISTING UTILITIES AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH ALIGNMENT, AND SIZE OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.

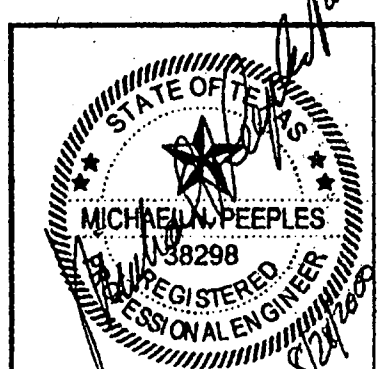
BELT LINE ROAD
(100' Right-of-Way)



PAVING PLAN
SCALE: 1" = 20'-0"



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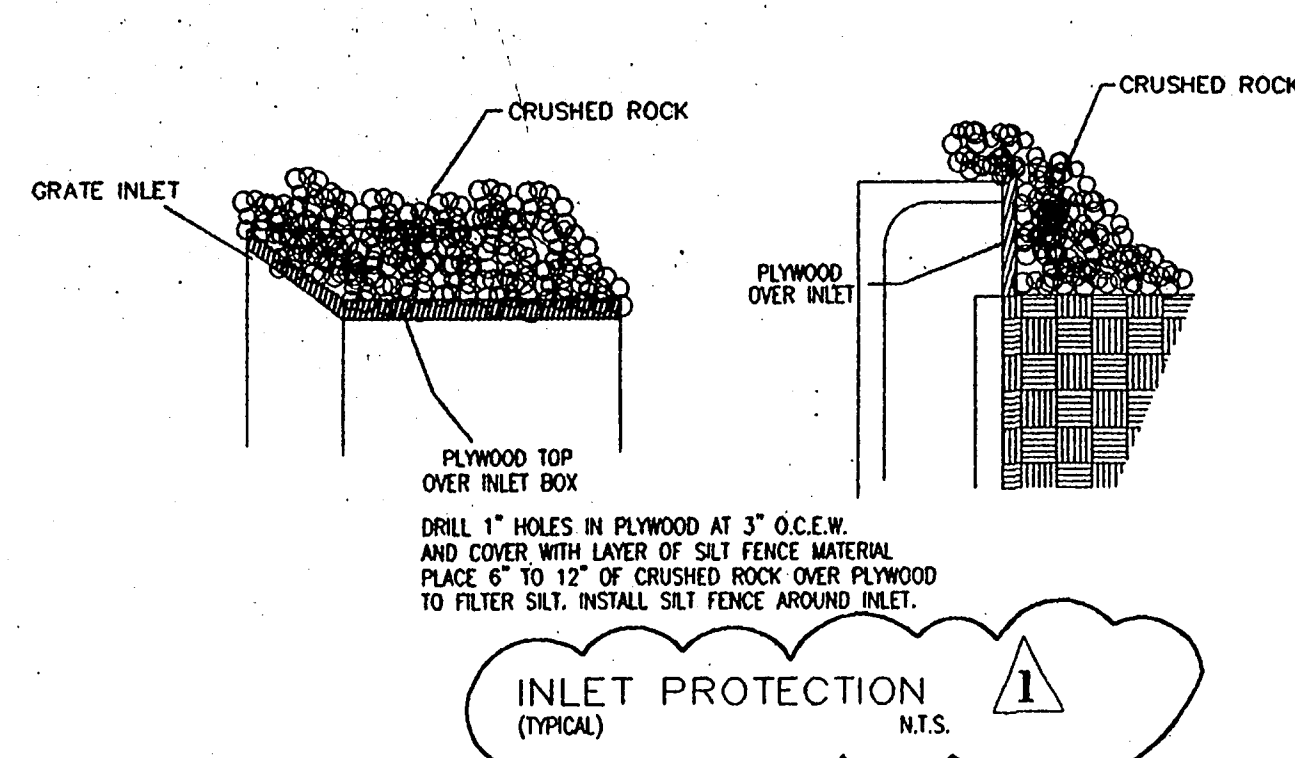
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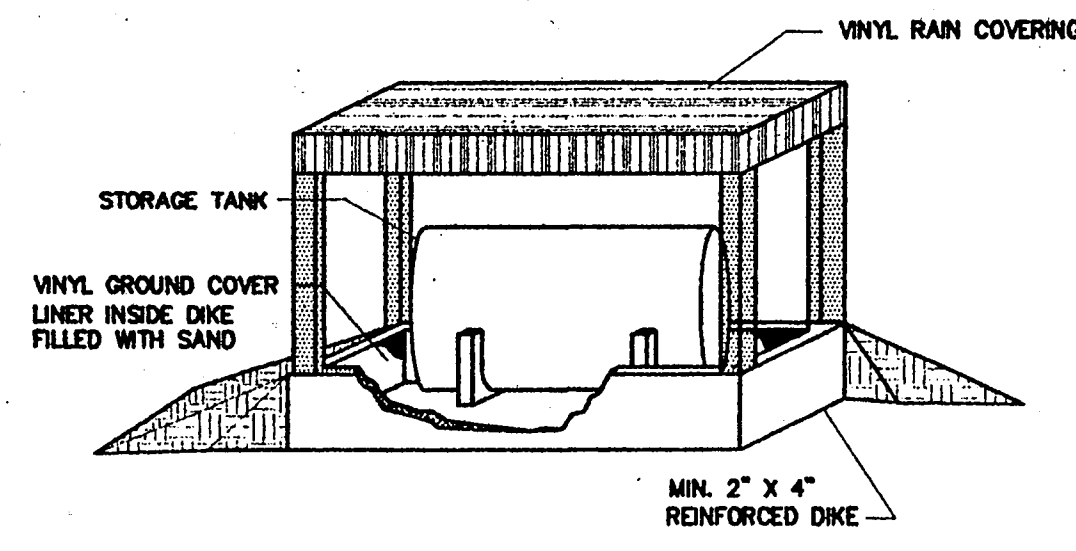
CE-3

PAVING PLAN

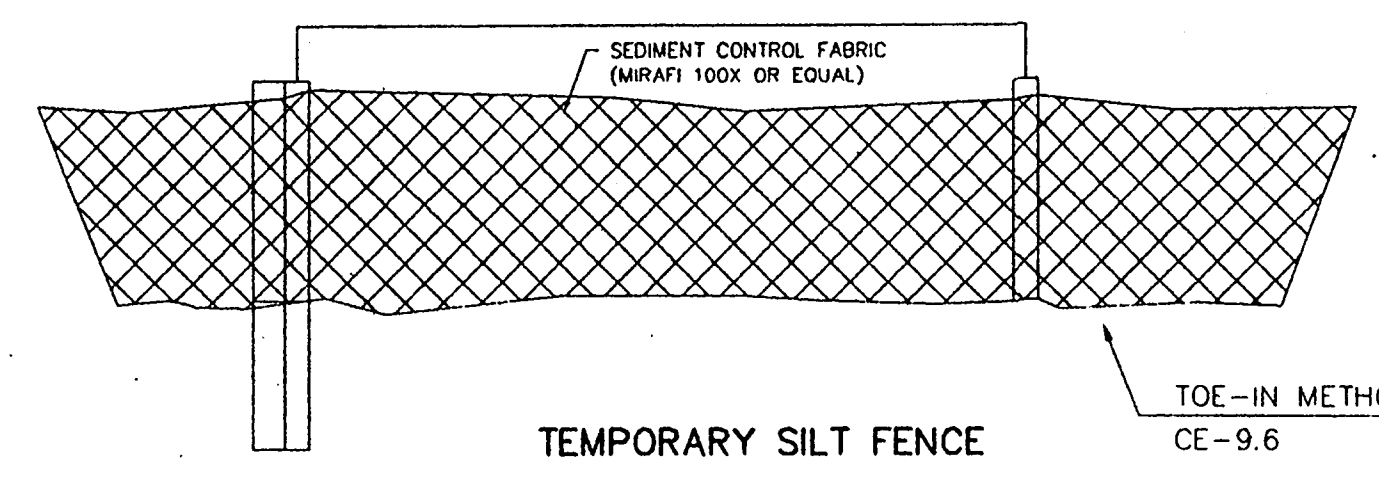
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INLET PROTECTION
N.T.S.

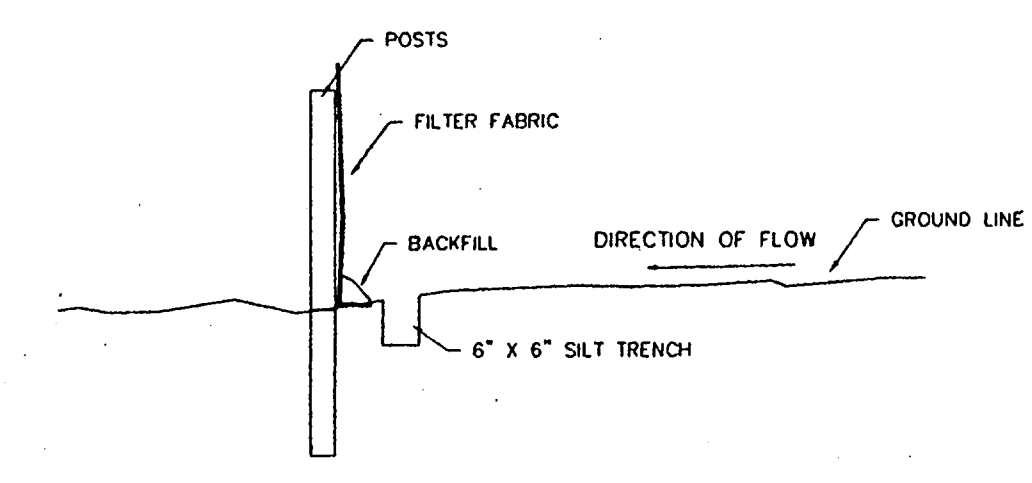


STORAGE TANK CONTAINMENT
SECONDARY CONTAINMENT FOR HORIZONTAL TANKS



TEMPORARY SILT FENCE

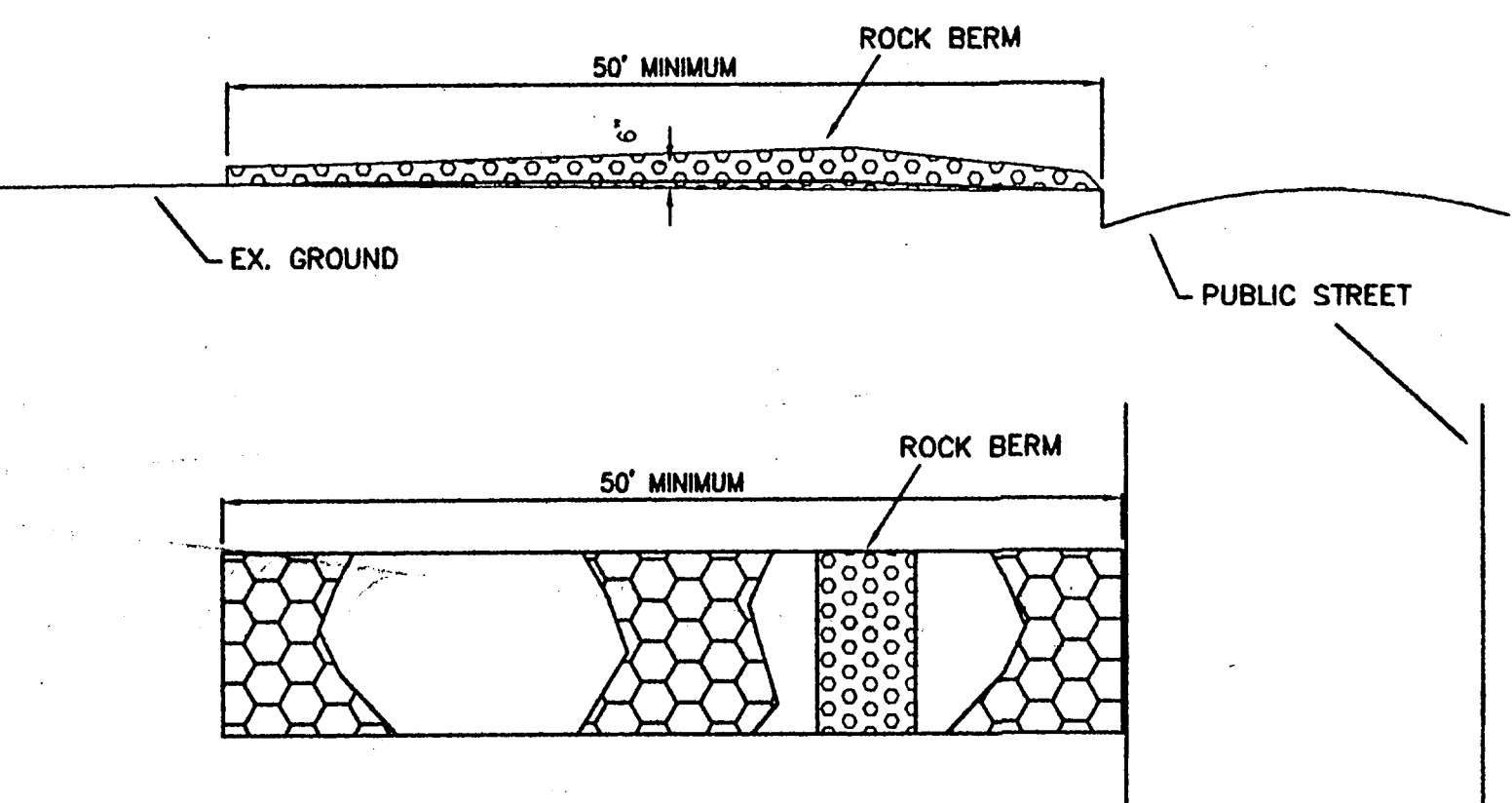
NOTE:
STEEL POSTS SHALL BE A MIN. OF 5' IN HEIGHT. WOOD POSTS SHALL BE A MIN. OF 6' IN HEIGHT. FABRIC SHALL BE ATTACHED TO POST PER SUPPLIER'S INSTALLATION RECOMMENDATIONS. NETTING FABRIC SHALL BE 32" IN HEIGHT. TOE-IN ANCHOR SHALL BE AS SHOWN. TRENCH SHALL BE DUG PRIOR TO INSTALLATION OF SILT FENCE. BURLAP WITH WIRE FRAME LINE WIRES MAY BE USED IN LIEU OF "MIRAFI" FABRIC. CONTRACTOR SHALL SUBMIT DRAWINGS DETAILING THE USE OF BURLAP FABRIC.



TOE-IN METHOD WITH SILT TRENCH

THIS IS THE SUGGESTED SEQUENCE THAT THE CONTRACTOR FOLLOW TO PREVENT OFF-SITE SILT FLOWS AND TO COMPLY WITH THE TOWN OF ADDISON EROSION CONTROL REQUIREMENTS:

1. CONSTRUCT VEHICLE ENTRANCE/EXIT. ADJUST LOCATION TO THE PROPOSED OFFSITE ACCESS ROAD AND FIRE LANE PROVIDED BY THE DEVELOPER
 2. ERECT SILT SCREEN FENCING AS SHOWN.
 3. ROUGH GRADE THE SITE.
 4. PROTECT ALL INLETS WITH SILT SCREENS PER DETAIL THIS SHEET.
 5. INSTALL UNDERGROUND UTILITIES.
 6. PROCEED WITH THE REMAINDER OF CONSTRUCTION.
 7. PLACE GRASS MIXTURE AROUND PERIMETER AS SOON AS IT CAN BE ASCERTAINED THAT THE GRASS WILL NOT BE DISTURBED BY VEHICLE TRAFFIC.
 8. SEED REMAINDER OF PROJECT AFTER COMPLETION AND WHEN CLEANUP IS COMPLETE.
 9. WATER AND MAINTAIN GRASSED AREAS UNTIL 70% OF COVERAGE IS ACHIEVED.
 10. DO NOT REMOVE ANY SILT FENCE UNTIL GRASS IS STABILIZED AND THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE HAS DIRECTED THE CONTRACTOR TO REMOVE THE EROSION CONTROL DEVICE(S).
- ADDITIONAL ITEMS ON EROSION CONTROL**
11. ALL CONSTRUCTION SHOULD BE STAGED ON SITE. VEGETATION SHALL BE RE-ESTABLISHED ON ALL DENUDED AREAS IN A TIMELY MANNER.
 12. CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL ADJACENT PROPERTY FROM SEDIMENT FLOW.
 13. A SPILL PROTECTED AREA SHALL BE CONSTRUCTED ON THE SITE AT A LOCATION APPROVED BY THE OWNER'S REPRESENTATIVE AND THE CITY. A CONCRETE TRUCK WASH PIT/BASIN SHALL BE CONSTRUCTED ON SITE FOR CONCRETE TRUCK WASHING TO THE GREATEST EXTENT POSSIBLE. PROTECT EXISTING GRASS COVER ALONG THE EXISTING EDGES OF THE SITE TO AID IN FILTERING SEDIMENT.
 15. SUFFICIENT TEMPORARY OR PERMANENT GROUNDCOVER SHALL BE PLACED TO PREVENT EROSION ON ALL BERMS, SWALES, AND SLOPES.



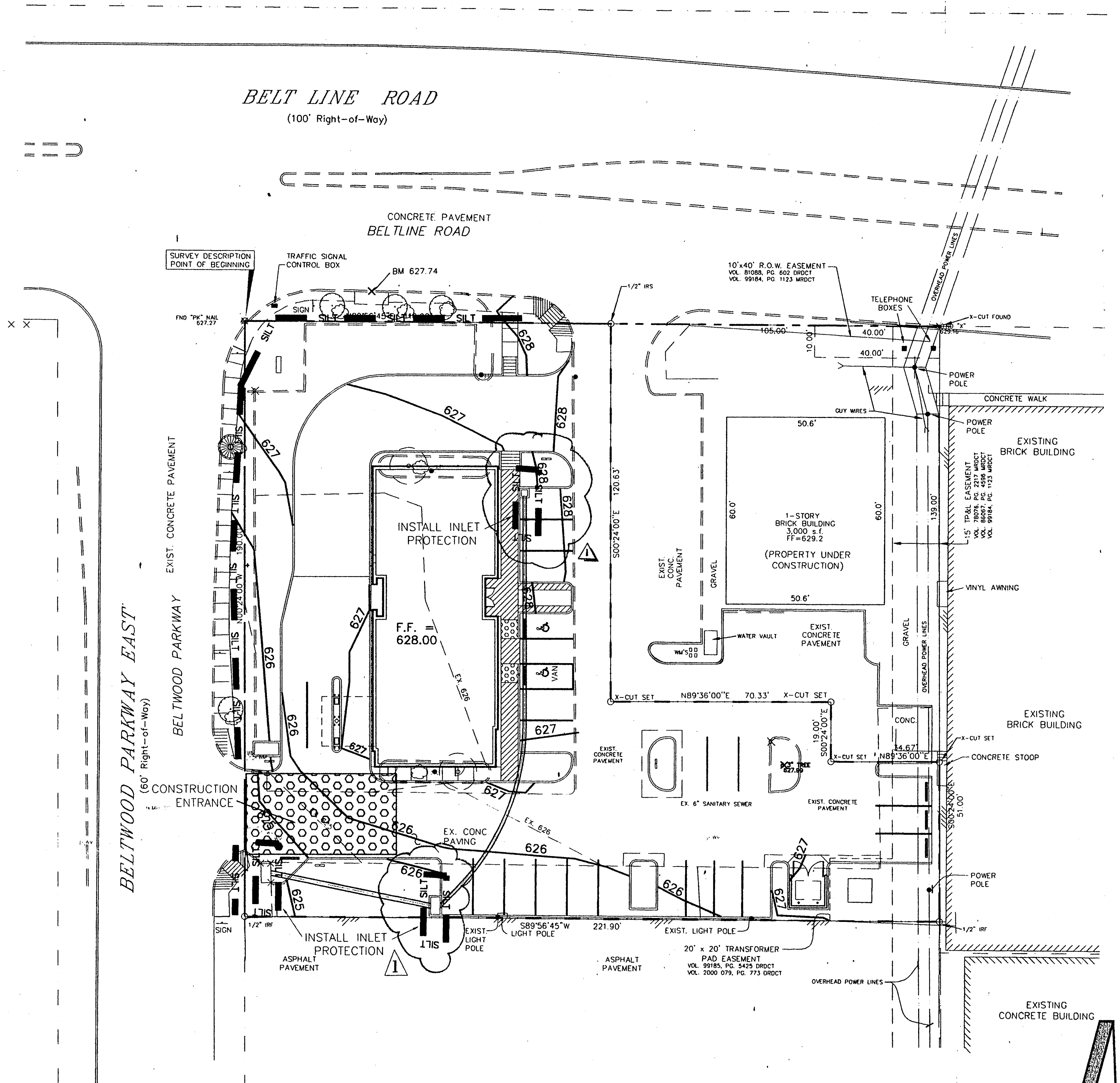
A STABILIZED PAD OF CRUSHED STONE SHALL BE LOCATED WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC STREET. STONE SIZE TO BE 3" CRUSHED CONCRETE OR ROCK.

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OF EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENTS.

ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY.

WHEN NECESSARY WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENTATION BASIN.

STABILIZED CONSTRUCTION ENTRANCE



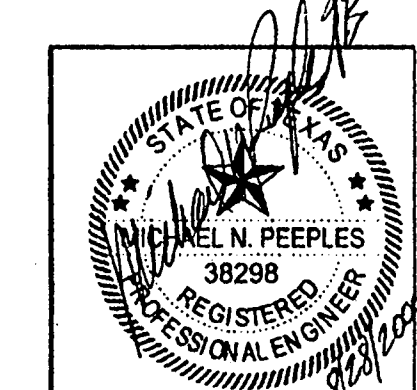
BELTWOOD PARKWAY EAST
(100' Right-of-Way)

BELT LINE ROAD
(100' Right-of-Way)

EROSION CONTROL PLAN
SCALE: 1" = 20'-0"



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EC-1

EROSION CONTROL PLAN

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GENERAL NOTES

- STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE PROVISIONS OF THE 1997 EDITION OF THE UNIFORM BUILDING CODE.
- DESIGN LIVE LOADS:
 - FLOOR.....50 PSF
 - MECHANICAL.....150 PSF
 - ROOF.....20 PSF
 DESIGN LIVE LOADS HAVE BEEN REDUCED IN ACCORDANCE WITH THE BUILDING CODE.
- DESIGN WIND LOADS:
 - BASIC WIND SPEED.....70 MPH
 - EXPOSURE FACTOR.....B
 - IMPORTANCE FACTOR.....1.00
- PRINCIPAL OPENINGS ARE INDICATED ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SLEEVES, BLOCKOUTS, INSERTS, CURBS, OPENINGS AND SLAB DEPRESSIONS NOT SHOWN.
- CONTRACTOR SHALL COMPILE STRUCTURAL AND ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS.
- CONTRACTOR SHALL INSURE THAT CONSTRUCTION MATERIALS WHOSE WEIGHT EXCEEDS THE DESIGN LIVE LOADS INDICATED ON THE STRUCTURAL DRAWINGS ARE NOT STORED ON STRUCTURALLY SUPPORTED ROOF FRAMING.
- THE STRUCTURAL DRAWINGS SHALL NOT BE SCALED FOR DETERMINATION OF QUANTITY, LENGTH OR FIT OF MATERIALS.
- THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN AND OTHER PERSONS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL WORK AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.
- LOADINGS FOR MECHANICAL EQUIPMENT ARE BASED ON THE UNITS SHOWN ON THE MECHANICAL DRAWINGS. ANY CHANGES IN TYPE, SIZE OR NUMBER OF UNITS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO INSTALLATION OF EQUIPMENT.

FOUNDATION NOTES

- THE FOUNDATION DESIGN IS BASED ON GEOTECHNICAL REPORT NUMBER 42-1387-98 PREPARED BY HBC ENGINEERING, INC. DATED APRIL 6, 1998.
- THE FOUNDATION DESIGN IS BASED ON A POTENTIAL VERTICAL RISE, P.V.R. OF ONE INCH OR LESS. IF THIS VALUE IS NOT ACCEPTABLE TO THE OWNER OR TENANTS, THE FOUNDATION DESIGN MUST BE REVISED.
- THE FOUNDATION SHALL CONSIST OF AUGER EXCAVATED STRAIGHT SHAFT CONCRETE PIERS. REFER TO TYPICAL PIER DETAIL FOR BEARING STRATA. PIERS HAVE BEEN PROPORTIONED FOR THE FOLLOWING:
 - END BEARING.....40,000 PSF
 - SKIN FRICTION (COMPRESSION).....6,000 PSF
 DUE TO THE PRESENCE OF GROUNDWATER, TEMPORARY PIER CASINGS MAY BE REQUIRED.
- THE BUILDING SLAB ON GRADE SHALL BE PLACED ON A SIX MIL VAPOR BARRIER OVER A FOUR INCH LAYER OF MOIST COARSE SAND OVER A MINIMUM OF EIGHTEEN (18) INCHES OF SELECT FILL OVER THREE (3) FEET OF MOISTURE CONDITIONED SITE CLAYS AS INDICATED IN THE GEOTECHNICAL REPORT.
- CORRUGATED PAPER FORMS, SUPPLIED BY SUREVOID PRODUCTS, INC. OR APPROVED SUBSTITUTE, SHALL BE USED TO PROVIDE A NORMAL FOUR (4) INCH VOID BENEATH ALL GRADE BEAMS. PROVIDE A CONTINUOUS SOIL RETAINER EACH SIDE OF GRADE BEAM. ALL GRADE BEAM SIDES SHALL BE FORMED. EARTH-TRENCHES ARE NOT ACCEPTABLE.
- NOTIFY ENGINEER AND TESTING LABORATORY FORTY-EIGHT HOURS PRIOR TO PLACING FOUNDATION CONCRETE.
- INFORMATION ABOVE IS PRESENTED ONLY AS A SUMMARY OF THE GEOTECHNICAL REPORT. CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COMPLYING WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT.

STRUCTURAL CONCRETE NOTES

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 AND ACI 318. ALL CONCRETE SHALL BE LABORATORY DESIGNED AND CONTROLLED.
- CONCRETE IN THE FOLLOWING AREAS SHALL HAVE SAND AND GRAVEL OR CRUSHED STONE COARSE AGGREGATES AND CORRESPONDING 28-DAY COMPRESSIVE STRENGTH AS FOLLOWS:
 - PIERS.....3,000 PSI
 - GRADE BEAMS.....3,000 PSI
 - SLAB-ON-GRADE.....3,000 PSI
- CONCRETE PROTECTION FOR STEEL REINFORCEMENT SHALL BE AS FOLLOWS:
 - ALL CONCRETE PLACED AGAINST SOIL.....3"
 - SLABS ON GRADE.....AT SLAB MID-DEPTH
 - GRADE BEAMS.....3" BOTTOM, 2" SIDES, 1 1/2" TOP
 SEE ACI 318, SECTION 7.7 FOR CONDITIONS NOT INDICATED.
- LOCATE JOINTS TO LEAST IMPAIR STRENGTH AND APPEARANCE OF STRUCTURE. LOCATE HORIZONTAL JOINTS IN CONCRETE ONLY WHERE THEY NORMALLY OCCUR OR WHERE INDICATED ON PLAN. LOCATE VERTICAL JOINTS IN THE MIDDLE THIRD OF SPAN.
- ROUGHEN SURFACE OF HORIZONTAL OR NEARLY HORIZONTAL CONSTRUCTION JOINTS SO THAT AGGREGATE SHALL BE EXPOSED UNIFORMLY, LEAVING NO LATANCE, LOOSENED PARTICLES OR DAMAGED CONCRETE.
- THE PLACEMENT OF SLEEVES OR OPENINGS THRU CONCRETE MEMBERS IS PROHIBITED UNLESS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER OF RECORD.
- PROVIDE CHAMFERS AND REVEALS AS INDICATED IN THE ARCHITECTURAL DRAWINGS.

REINFORCING STEEL NOTES

- ALL DETAILING OF STEEL REINFORCEMENT AND ACCESSORIES SHALL CONFORM TO ACI COMMITTEE 315 PUBLICATION SP-66, "ACI DETAILING MANUAL."
- DEFORMED BAR REINFORCEMENT SHALL BE DOMESTIC NEW BILLET STEEL IN CONFORMANCE WITH ASTM A615, GRADE 60.

STRUCTURAL STEEL NOTES

- ALL STRUCTURAL STEEL DETAILING, FABRICATION AND INSTALLATION SHALL CONFORM TO THE STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- PROVIDE NEW DOMESTIC STRUCTURAL STEEL IN ACCORDANCE WITH THE FOLLOWING:
 - WIDE FLANGE SHAPES.....ASTM A572, GRADE 50
 - CHANNELS, PLATES AND ANGLES.....ASTM A36
 - STEEL TUBE.....ASTM A500, GRADE B
 - STEEL PIPE.....A53 (TYPES E OR S), GRADE B
- CONNECTION BOLTS FOR STRUCTURAL STEEL MEMBERS SHALL BE 3/4 INCH DIAMETER ASTM A325-N BOLTS, UNLESS NOTED OTHERWISE.
- ANCHOR BOLTS SHALL BE UNFINISHED THREADED FASTENERS THAT CONFORM TO ASTM A307, GRADE A BOLTS AND NUTS WITH HEXAGONAL HEADS.
- SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED EXCEPT AS SPECIFICALLY INDICATED IN STRUCTURAL DRAWINGS.
- UNLESS NOTED OTHERWISE, HOT DIP GALVANIZE ALL STRUCTURAL STEEL MEMBERS AND EMBEDS EXPOSED TO WEATHER OR SOIL AND WHERE INDICATED ON DRAWINGS. GALVANIZING SHALL CONFORM TO ASTM A123.
- TOUCH UP FIELD WELDS ON GALVANIZED ITEMS WITH PAINT CONFORMING TO TT--P-641.

WELDING NOTES

- WELDING OF STRUCTURAL STEEL SHALL CONFORM TO AWS D1.1. USE E70XX ELECTRODES FOR FIELD AND SHOP WELDS. USE ONLY LOW-HYDROGEN ELECTRODES ON ASTM A242, A514, A572 AND A588 STEEL.
- WELDS NOT INDICATED IN DRAWINGS SHALL BE MINIMUM SIZE CONTINUOUS FILLET WELD IN ACCORDANCE WITH AWS D1.1. FILLET WELDS SHALL BE CONTINUOUS, UNLESS NOTED OTHERWISE.
- PROVIDE FILLET WELDS AT ALL CONTACT JOINTS BETWEEN STEEL MEMBERS SUFFICIENT TO DEVELOP THE ALLOWABLE TENSILE CAPACITY OF THE SMALLER MEMBER AT THE JOINT, UNLESS NOTED OTHERWISE.

STRUCTURAL WOOD NOTES

- ALL WOOD FRAMING SHALL BE USED AT 19 PERCENT MAXIMUM MOISTURE CONTENT AND SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:

MEMBER	MATERIAL	ALLOWABLE STRESSES
2x BEAMS, HEADERS, JOISTS, SILL PLATES	#2 SOUTHERN PINE	Fb = 975 PSI Fv = 90 PSI E = 1,600,000 PSI
LAMINATED VENEER LUMBER (LVL), PARALLEL STRAND LUMBER (PSL)	N/A	Fb = 2,900 PSI Fv = 285 PSI Fc = 2,700 PSI Ft = 1,850 PSI E = 2,000,000 PSI
BEARING PLATES, LEDGERS	#3 SPRUCE-PINE-FIR	Fb = 500 PSI Ft = 250 PSI Fv = 70 PSI Fc perp = 425 PSI E = 1,200,000 PSI
STUDS	STUD GRADE DOUGLAS FIR-LARCH	Fb = 675 PSI Fc = 825 PSI E = 1,400,000 PSI

ALLOWABLE STRESSES ARE UNFACTORED AND ARE BASED ON THE 1994 NATIONAL DESIGN SPECIFICATION, PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.

- SILL PLATES AND OTHER MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED FOR MOISTURE RESISTANCE.

WOOD SHEATHING NOTES

- ROOF SHEATHING SHALL BE EXPOSURE 1, 19/32" APA RATED SHEATHING WITH A PANEL INDEX OF 24/0. PANELS SHALL BE NAILED WITH 8d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ROOF SHEATHING THAT IS EXPOSED ON THE UNDERSIDE SHALL BE BONDED WITH EXTERIOR GLUE. PROVIDE STANDARD EDGE CLIPS AT MID-SPAN BETWEEN ALL SUPPORTS.
- EXTERIOR WALL SHEATHING SHALL BE EXPOSURE 1, 15/32" APA RATED SHEATHING WITH A PANEL INDEX OF 16/0. PANELS SHALL BE NAILED WITH 8d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.

WOOD ROOF FRAMING NOTES

- NOTCHES ON THE ENDS OF CONVENTIONAL LUMBER JOISTS SHALL NOT EXCEED ONE FOURTH OF THE JOIST DEPTH. HOLES BORED IN JOISTS SHALL NOT BE WITHIN TWO INCHES OF THE TOP OR BOTTOM OF THE JOIST AND THE DIAMETER OF ANY HOLE SHALL NOT EXCEED ONE THIRD OF THE DEPTH OF THE JOIST. NOTCHES IN THE TOP OR BOTTOM OF JOISTS SHALL NOT EXCEED ONE SIXTH OF THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. THE GENERAL CONTRACTOR SHALL COORDINATE THESE GUIDELINES WITH OTHER TRADES.
- HOLES AND NOTCHES IN BEAMS AND HEADERS ARE NOT PERMITTED UNLESS VERIFIED IN WRITING BY THE ENGINEER OF RECORD.
- BEAMS COMPRISED OF 2 OR MORE MEMBERS SHALL BE GLUED AND NAILED TOGETHER WITH A MINIMUM OF TWO (2) ROWS OF 16d NAILS AT 12" ON CENTER. BEAMS COMPRISED OF THREE OR MORE MEMBERS SUPPORTING LOAD THROUGH SIDE HANGERS SHALL HAVE ADDITIONAL 1/2" DIAMETER THRU BOLTS AT 18" ON CENTER STAGGERED TOP AND BOTTOM. USE 1/2" PLYWOOD OR MEMBERS OF SAME DEPTH AS REQUIRED TO FLUSH OUT WALL.
- SPLICING OF MEMBERS SHALL NOT BE PERMITTED UNLESS SHOWN ON THE PLANS OR VERIFIED IN WRITING BY THE ENGINEER.
- INSTALL MEMBERS TRUE, PLUMB AND LEVEL AND PROVIDE ADEQUATE TEMPORARY BRACING AND SHORING UNTIL FINAL CONNECTIONS ARE MADE.
- DURING CONSTRUCTION, STOCK PILES OF GYPSUM SHEATHING STORED ON ANY LEVEL ABOVE THE FOUNDATION SHALL NOT EXCEED 16 SHEETS OR TEN INCHES.

WOOD STUD WALL NOTES

- PROVIDE AN EQUAL NUMBER OF 2x STUDS AT EACH END OF BUILT-UP BEAMS AS THE NUMBER OF MEMBERS IN THE BEAM. UNLESS NOTED OTHERWISE, PROVIDE 4-2x STUDS AT EACH END OF PSL, LVL OR GL BEAMS. BUILT-UP STUD COLUMNS SHALL BE CONTINUOUS THROUGH EACH FLOOR SYSTEM TO THE FOUNDATION AND SHALL BE NAILED TOGETHER WITH 16d NAILS AT 20" ON CENTER FOR THE FULL STUD HEIGHT.
- DOUBLE PLATES SHALL LAP A MINIMUM OF FOUR (4) FEET. SPLICES SHALL OCCUR AT CENTER OF SUPPORTING STUD.
- BORED HOLES IN 2x4 STUDS SHALL NOT EXCEED 1 3/8" FOR LOAD-BEARING WALLS AND 2 1/8" IN NON-LOAD-BEARING WALLS. BORED HOLES IN 2x6 STUDS SHALL NOT EXCEED 1 1/2" FOR LOAD-BEARING WALLS AND 3 1/4" FOR NON-LOAD-BEARING WALLS. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8" TO THE EDGE OF THE STUD.
- AT EXTERIOR WALL CORNER CONDITIONS, NOT LESS THAN THREE (3) STUDS SHALL BE INSTALLED.
- AT CONTRACTOR'S OPTION, ENGINEERED FINGER-JOINTED STUDS MAY BE USED.

WOOD CONNECTOR NOTES

- NAILS, SPIKES, STAPLES, BOLTS, NUTS, WASHERS, ETC. SHALL BE GALVANIZED FOR EXTERIOR OR TREATED WOOD LOCATIONS; PLAIN FINISH FOR INTERIOR LOCATIONS.
- FRAMING CONNECTORS SHALL BE SIMPSON "STRONG-TIE" OR APPROVED SUBSTITUTE AND SHALL BE BUILDING CODE APPROVED FOR THE TYPE OF INSTALLATION INDICATED.
- UNLESS NOTED OTHERWISE, SILL PLATES AT THE BUILDING EXTERIOR SHALL BE FASTENED TO THE FOUNDATION WITH 1/2" DIAMETER GALVANIZED, ASTM A307 ANCHOR BOLTS AT 48" ON CENTER (MINIMUM 2 BOLTS PER PLATE). BOLTS SHALL BE PLACED WITH A MINIMUM OF SIX (6) INCHES OF EMBEDMENT.

PREFABRICATED WOOD TRUSS NOTES

- DESIGN TRUSSES IN ACCORDANCE WITH THE "TRUSS PLATE INSTITUTE DESIGN SPECIFICATIONS FOR CONNECTOR PLATES." ALL TRUSSES SHALL BE GRADE STAMPED PER W.C.I.B. RULES.
- THE CONTRACTOR SHALL COMPLY WITH "HANDLING AND INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES" (HIB-91) BY THE TRUSS PLATE INSTITUTE DURING THE INSTALLATION OF FLOOR AND ROOF TRUSSES.
- ROOF TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER TO SUPPORT A TOTAL LOAD OF 40 PSF, COMPOSED OF 20 PSF DEAD LOAD (15 PSF ON THE TOP CHORD AND 5 PSF ON THE BOTTOM CHORD) AND 20 PSF LIVE LOAD FOR ALL SPAN CONDITIONS INDICATED ON THE DRAWINGS, UNLESS NOTED OTHERWISE. DEFLECTIONS SHALL BE LIMITED TO L/160 FOR TOTAL LOAD AND L/240 FOR LIVE LOAD ONLY.
- ROOF TRUSSES AND END ANCHORAGES SHALL BE DESIGNED FOR A NET UPLIFT OF 15 PSF.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS PERFORMED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. SHOP DRAWINGS SHALL INCLUDE FRAMING PLANS SHOWING ALL PREFABRICATED MEMBERS WITH MARK NUMBERS FOR EACH MEMBER TYPE.
- PROVIDE ANCHORAGE, ERECTION BRACING, AND PERMANENT BRIDGING AS RECOMMENDED BY THE TRUSS MANUFACTURER.
- TRUSSES SHALL BE DESIGNED TO BEAR ONLY ON BEAMS AND WALLS SPECIFICALLY NOTED AS LOAD BEARING IN THE DRAWINGS.

NON-LOAD BEARING HEADER SCHEDULE

SPAN	HEADER
0' TO 6'-0"	2-2x6
6'-0" TO 9'-0"	2-2x8
> 9'-0"	2-2x10

NOTES:

- HEADER MATERIAL TO BE #3 S.Y.P., UNLESS NOTED OTHERWISE.
- USE 1/2" PLYWOOD SPACERS BETWEEN 2x MEMBERS.

3 SCHEDULE NO SCALE

STANDARD NAILING SCHEDULE

DESCRIPTION	CONNECTION	NAILS
JOIST TO SILL OR GIRDER	TOENAIL	3-8d
BRIDGING TO JOIST	TOENAIL, EACH END	2-8d
1x8 OR LESS SUBFLOOR TO EACH JOIST	FACE NAIL	2-8d
WIDER THAN 1x6 SUBFLOOR TO EACH JOIST	FACE NAIL	3-8d
2x SUBFLOOR TO JOIST OR GIRDER	BLIND AND FACE NAIL	2-16d
SOLE PLATE TO JOIST OR BLOCKING	FACE NAIL	16d @ 16"
TOP PLATE TO STUD	END NAIL	2-16d
STUD TO SOLE PLATE	TOENAIL	4-8d
STUD TO SOLE PLATE (ALTERNATE)	END NAIL	2-16d
DOUBLE STUDS	FACE NAIL	16d @ 24"
DOUBLE TOP PLATES	FACE NAIL	16d @ 16"
TOP PLATES, LAPS AND INTERSECTIONS	FACE NAIL	2-16d
CONTINUOUS HEADER, TWO PIECES	ALONG EACH EDGE	16d @ 16"
CEILING JOISTS TO PLATE	TOENAIL	3-8d
CONTINUOUS HEADER TO STUD	TOENAIL	4-8d
CEILING JOISTS, LAPS OVER PARTITIONS	FACE NAIL	3-16d
CEILING JOISTS TO PARALLEL RAFTERS	FACE NAIL	3-16d
RAFTERS TO PLATE	TOENAIL	3-8d
1x BRACE TO EACH STUD AND PLATE	FACE NAIL	2-8d
1x8 OR LESS SHEATHING TO EACH BEARING	FACE NAIL	2-8d
WIDER THAN 1x8 SHEATHING TO EACH BEARING	FACE NAIL	3-8d
BUILT-UP CORNER STUDS	FACE NAIL	16d @ 24"
BUILT-UP GIRDER AND BEAMS	FACE NAIL	16d @ 12"
2x PLANKS	EACH BEARING	2-16d

NOTE: ABOVE NAILING CONNECTIONS ARE TO BE PROVIDED UNLESS DETAILED OR NOTED OTHERWISE.

1 SCHEDULE NO SCALE

SHEARWALL SCHEDULE

MARK	DESCRIPTION
1A	5/8" GYPSUM WALLBOARD NAILED WITH 6d WALLBOARD NAILS 7" O.C. AT ALL SUPPORTS. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER A.B. AT 48" O.C.
A	5/8" GYPSUM WALLBOARD APPLIED TO BOTH FACES OF STUDS IN ACCORDANCE WITH TYPE 1A. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER A.B. AT 48" O.C.
1B	5/8" GYPSUM WALLBOARD NAILED WITH 6d WALLBOARD NAILS 4" O.C. AT ALL SUPPORTS. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER A.B. AT 48" O.C.
B	5/8" GYPSUM WALLBOARD APPLIED TO BOTH FACES OF STUDS IN ACCORDANCE WITH TYPE 1B. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER A.B. AT 48" O.C.
1C	1/2" PLYWOOD NAILED WITH 10d NAILS 6" O.C. AT EDGES. PROVIDE SOLID BLOCKING AT ALL EDGES. PROVIDE 10d NAILS AT 12" O.C. AT INTERIOR SUPPORTS. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER A.B. AT 30" O.C.
C	1/2" PLYWOOD APPLIED TO BOTH FACES OF STUDS IN ACCORDANCE WITH TYPE 1C. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER A.B. AT 14" O.C.

ALTERNATE SHEARWALL SILL PLATE FASTENERS:

- FOR SHEARWALL TYPE 1A HILTI X-ZF 72 @ 18" O.C. MAY BE USED AT ALL INTERIOR CONDITIONS.
- FOR SHEARWALL TYPE A HILTI X-ZF 72 @ 14" O.C. MAY BE USED AT ALL INTERIOR CONDITIONS.

4 SCHEDULE NO SCALE

DOWEL SCHEDULE

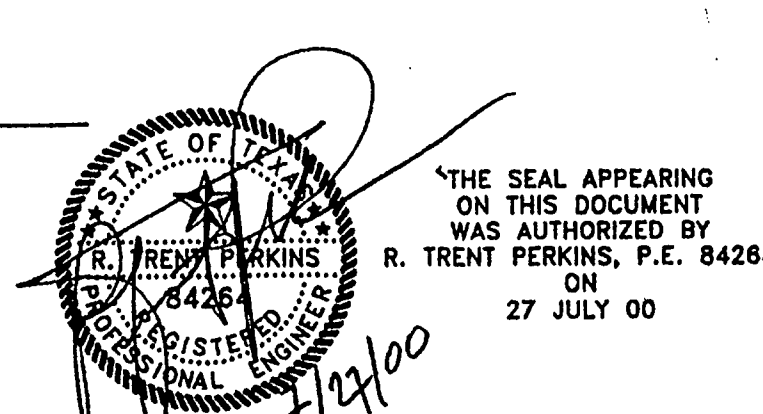
MARK	SIZE	A	B	C
DWL. A	#4	2'-6"	1'-0"	-
DWL. B	#5	2'-9"	0'-8"	-
DWL. C	#4	2'-0"	2'-0"	-
DWL. D	#3	2'-0"	0'-8"	-
DWL. E	#4	2'-0"	AS REQ'D	-
DWL. F	#4	AS REQ'D	0'-8"	-
DWL. G	#4	2'-6"	0'-8"	0'-8"

NOTES:

- SCHEDULED DOWELS ARE MARKED "DWL." ON THE SECTIONS AND DETAILS.
- DOWEL SPACING TO BE THE SAME AS VERTICAL BEAM OR WALL REINFORCEMENT, UNLESS NOTED OTHERWISE.
- STRAIGHT BARS SHALL BE PLACED WITH ONE HALF OF BAR LENGTH ON EACH SIDE OF COLD JOINT, UNLESS NOTED OTHERWISE.

7 SCHEDULE NO SCALE

6 SCHEDULE NO SCALE



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REINFORCING LAP SPLICE SCHEDULE

BAR SIZE	LAP	BAR SIZE	LAP
3	1'-6"	8	4'-8"
4	2'-0"	9	5'-4"
5	2'-6"	10	6'-0"
6	3'-0"	11	6'-8"
7	4'-2"		

2 SCHEDULE NO SCALE

SHEARWALL ANCHOR SCHEDULE

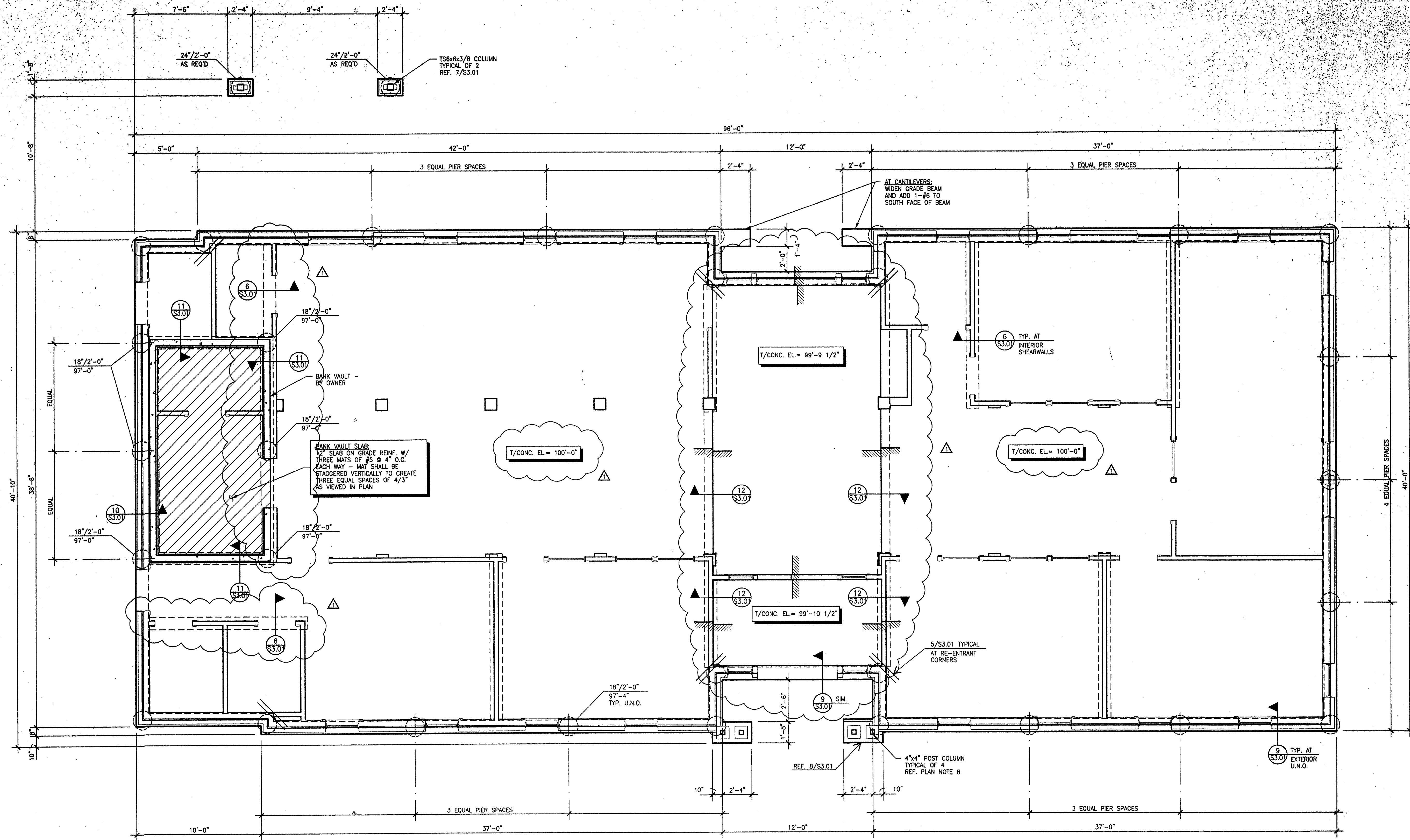
MARK	DESCRIPTION	MARK	DESCRIPTION
1	CS18	5	HTT16
2	CS16	6	HDBA
3	2-CS16	7	HD10A
4	LTT20B		

SHEARWALL ANCHORAGE NOTES:

- PROVIDE A 2-2x MEMBER AT EACH END OF SHEAR WALLS WHERE ANY ANCHOR IS SPECIFIED.
- FASTEN LTT20 ANCHORS TO CONCRETE WITH 'SIMPSON' RFB#6x10.5, OR EQUAL, ANCHOR BOLTS USED IN CONJUNCTION WITH THE 'SIMPSON' ET EPOXY, OR EQUAL ADHESIVE SYSTEM.
- FASTEN HTT16 ANCHORS TO CONCRETE WITH 'SIMPSON' RFB#5x16, OR EQUAL, ANCHOR BOLTS USED IN CONJUNCTION WITH THE 'SIMPSON' ET EPOXY, OR EQUAL ADHESIVE SYSTEM.
- EXPANSION ANCHORS MAY NOT BE USED FOR APPLICATIONS WITHIN 6" OF ANY FREE EDGE OF CONCRETE.
- ANCHORS 4 AND 5 MAY BE REPLACED WITH A 'SIMPSON' HPAHD22 AT EXTERIOR BEAMS.
- ANCHORS WHERE REQUIRED SHALL BE PLACED ON EACH END OF THE DESIGNATED CORRESPONDING WALL.
- HILTI HVA ADHESIVE ANCHOR BOLTS WITH A MINIMUM OF 6 5/8" EMBEDMENT MAY BE USED IN LIEU OF THE ABOVE REQUIRED ANCHOR BOLTS. REFER TO SIMPSON REQUIREMENTS FOR THE BOLT DIAMETER.

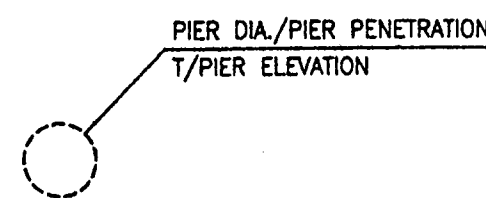
5 SCHEDULE NO SCALE

<p>R-F ROGERS-FORD ARCHITECTURE - INTERIOR DESIGN 2616 THOMAS AVENUE DALLAS, TEXAS 75204 TELEPHONE (214) 871-9388 FAX (214) 871-3155</p>	<p>LONG STAR BANK 4650 Beltline Road Addicks, TX</p>	<p>7-27-2000 PERMIT ISSUE B-17, 2000 1560E FOR B-1D</p>	<p>Project # 1804</p>
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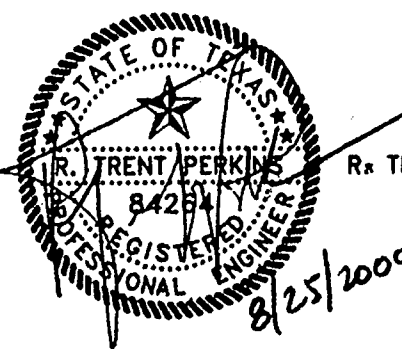
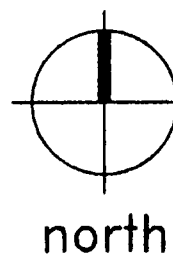


PLAN NOTES:

1. REFER TO SHEET S1.01 FOR STRUCTURAL NOTES AND SCHEDULES.
2. REFER TO SHEET S3.01 FOR TYPICAL FOUNDATION DETAILS.
3. PIERS ARE CENTERED ON GRADE BEAMS, UNLESS NOTED OTHERWISE.
4. T/CONC. = TOP OF CONCRETE ELEVATION. T/CONC. SHALL BE 100'-0", UNLESS NOTED OTHERWISE. REFER TO CIVIL/SITE PLAN FOR DATUM ELEVATION.
5. SLAB ON GRADE SHALL BE 4" CONCRETE SLAB OVER SUBGRADE PREPARED PER FOUNDATION NOTES. REINFORCE SLAB WITH #3 @ 18" O.C. EACH WAY, UNLESS NOTED OTHERWISE.
6. POST COLUMNS TO BE ATTACHED TO FOUNDATION WITH SIMPSON TYPE AB CONNECTOR.
7. PIERS ARE NOTED THUS ON PLAN:
PIER DIA./PIER PENETRATION
T/PIER ELEVATION



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



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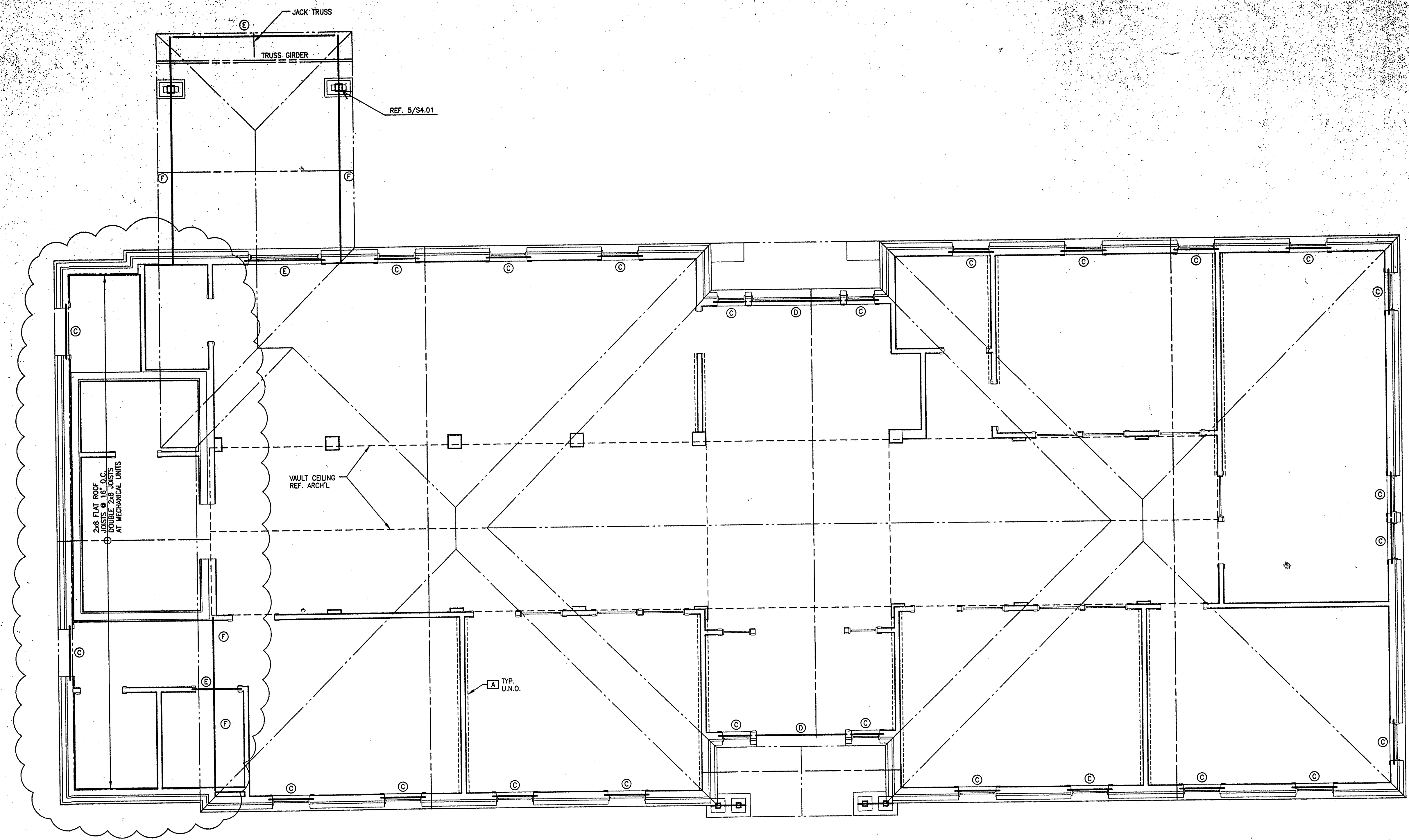
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8-25-2000 ADDENDUM #1

S2.01

FOUNDATION PLAN



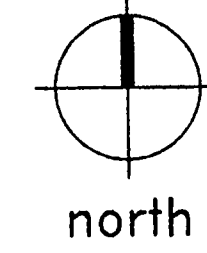
- NOTES:**
- ALL ROOF TRUSSES ARE SPACED AT 24" O.C. U.N.O. COORDINATE HEIGHT AND CONFIGURATIONS WITH ARCHITECTURAL DRAWINGS.
 - ALL HORIZONTAL FRAMING LUMBER TO BE #2 KD SYP UNLESS NOTED OTHERWISE, OR LUMBER WITH EQUIVALENT OR BETTER STRUCTURAL PROPERTIES. OTHER LUMBER SPECIES MUST BE APPROVED IN WRITING BY THE ENGINEER.
 - ALL EXTERIOR WALLS SHALL BE LOAD BEARING.
 - ALL WOOD BEAMS ARE FLUSH BEAMS OR LOAD BEARING HEADERS UNLESS NOTED OTHERWISE (DB = DROP BEAM, PB = POCKET BEAM).
 - REFERENCE SHEET S1.01 FOR STRUCTURAL NOTES AND SCHEDULES.

- SHEARWALL NOTES**
- ALL SHEARWALLS INDICATED ON PLAN ARE LOCATED AT FLOOR BELOW.
 - ALL SHEARWALLS INDICATED ON PLAN ARE TYPE A TYPICAL UNLESS NOTED OTHERWISE. REFERENCE SHEARWALL SCHEDULE 4/S1.01.

LEGEND

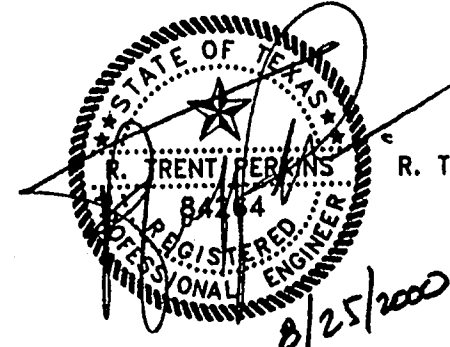
X = SHEARWALL REFERENCE SHEARWALL NOTES THIS SHEET, AND SHEARWALL SCHEDULE 4/S1.01

1 ROOF FRAMING PLAN
S2.02 SCALE: 1/4"=1'-0"



WOOD FRAMING SCHEDULE		
WOOD BEAM & HEADER		STUD / COLUMN SUPPORT
MARK	SIZE	MINIMUM SIZE
(A)	2-2x8	2-2x STUDS
(B)	2-2x10	2-2x STUDS
(C)	3-2x8	3-2x STUDS
(D)	3-2x10	3-2x STUDS
(E)	2-2x12	3-2x STUDS
(F)	3-2x12	3-2x STUDS

FILE INFO: 8018s202.dwg 1=48 09/25/00 09:13



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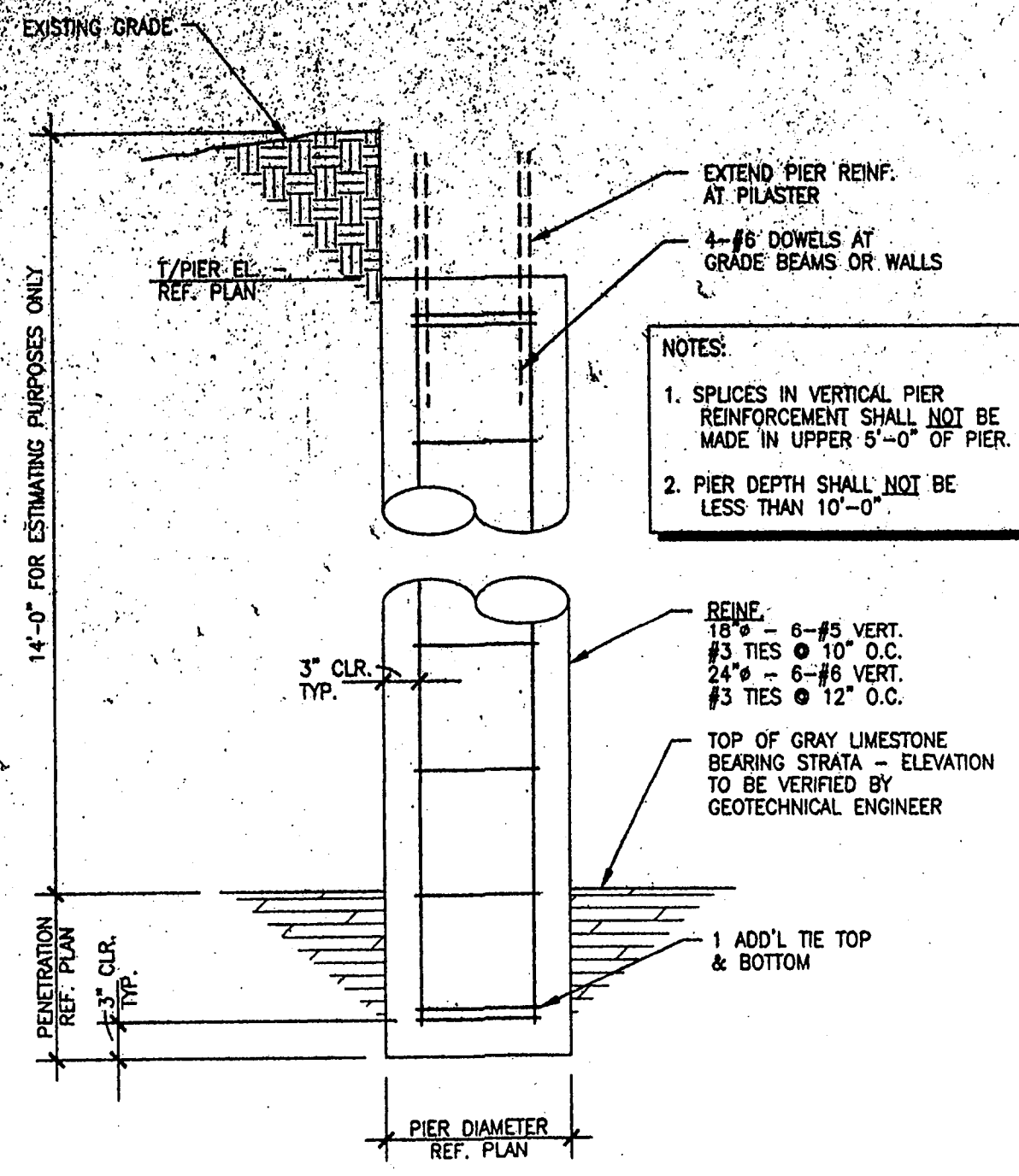
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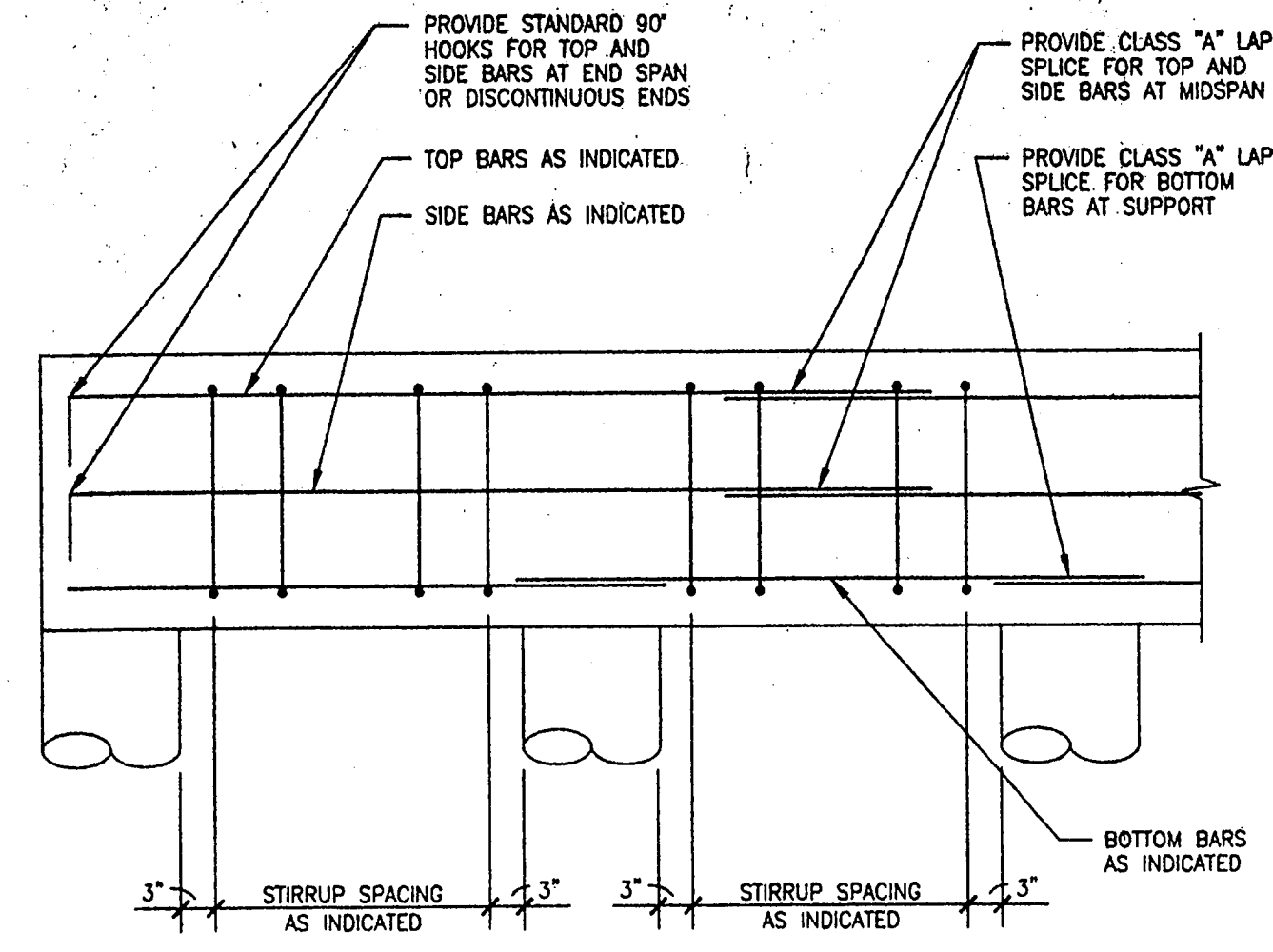
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S2.02

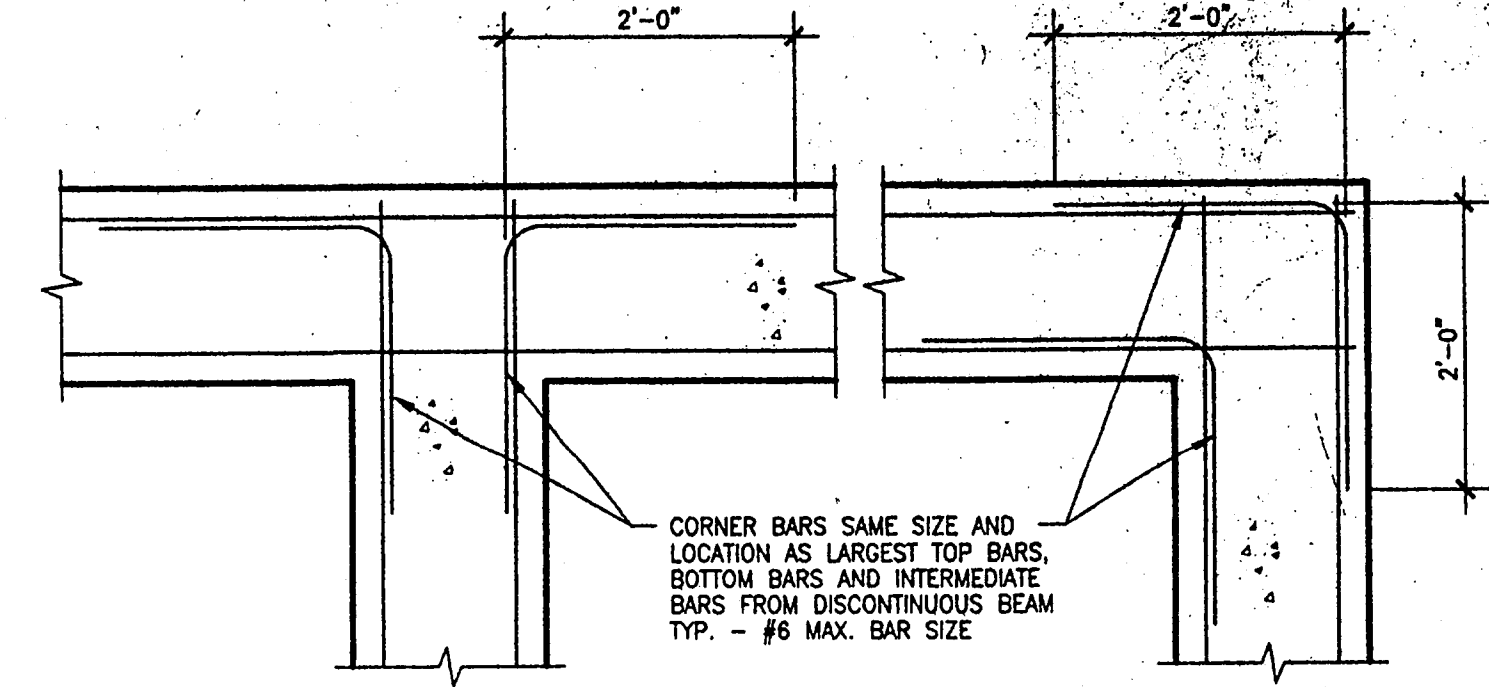
ROOF FRAMING PLAN



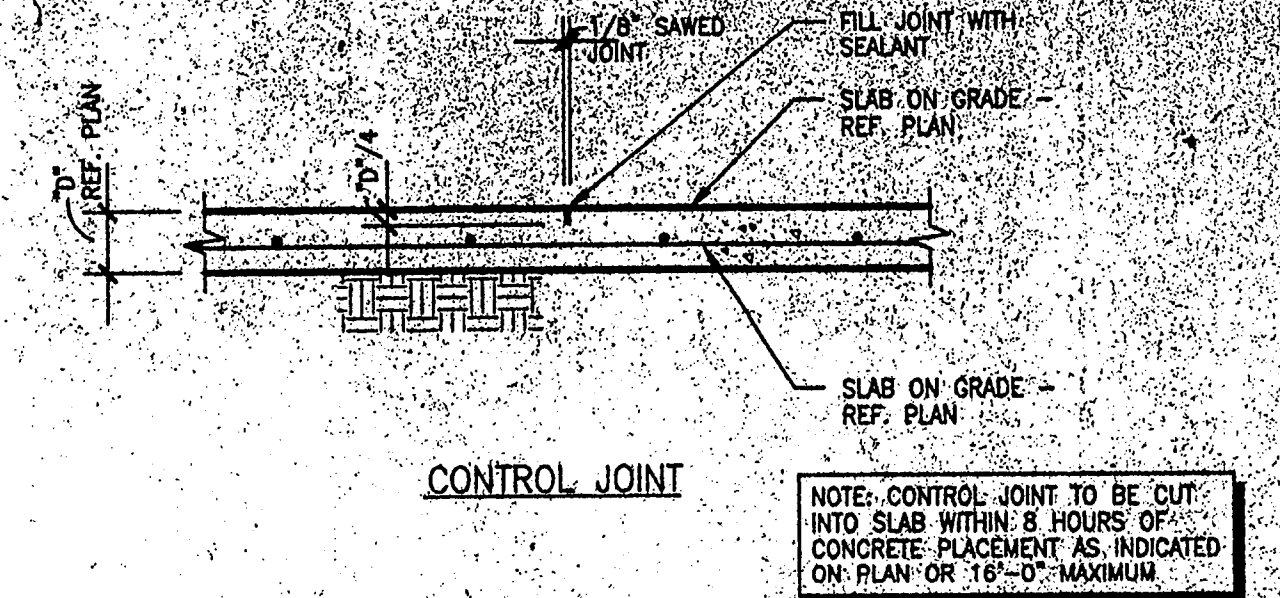
1 TYPICAL DRILLED PIER DETAIL
S3.01 NO SCALE



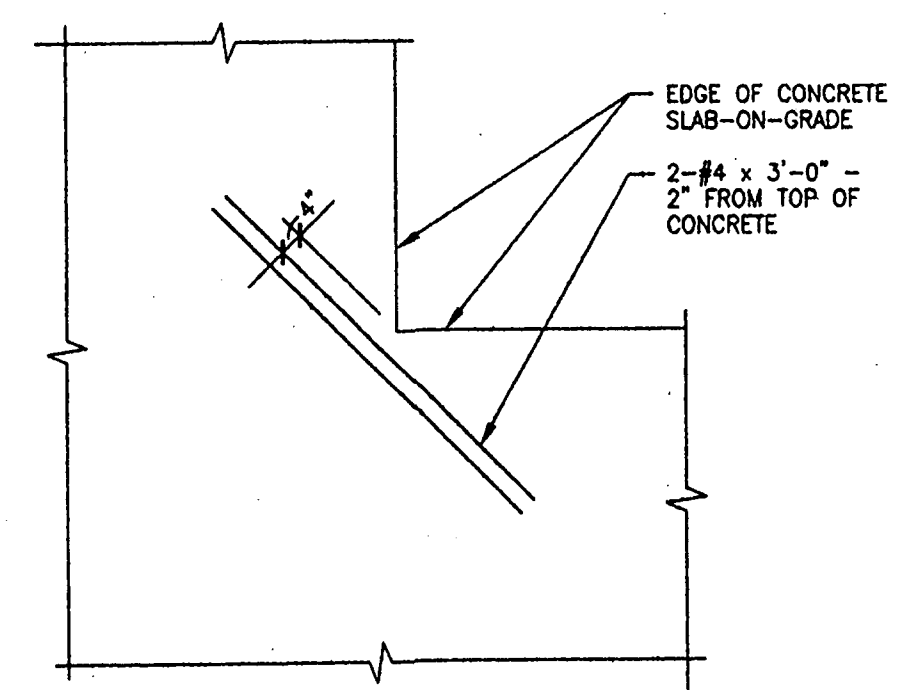
2 TYPICAL UNSCHEDULED CONCRETE BEAM REINFORCEMENT DETAIL
S3.02 NO SCALE



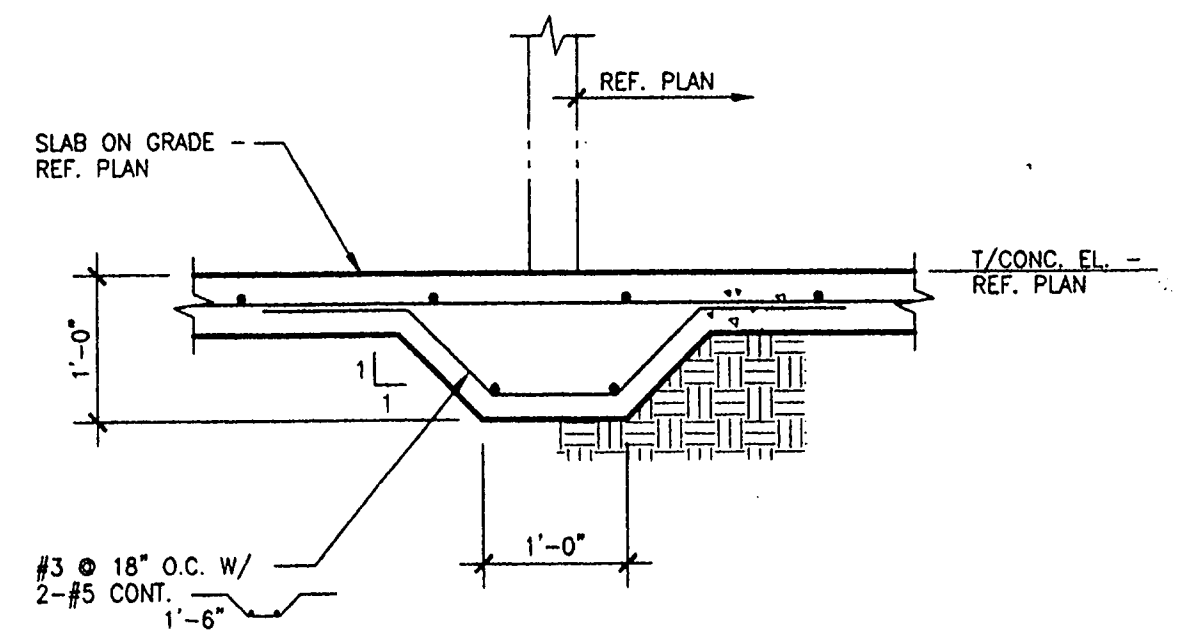
3 TYPICAL CORNER BARS AT WALL, BEAM AND FOOTING INTERSECTION DETAIL
S3.03 NO SCALE



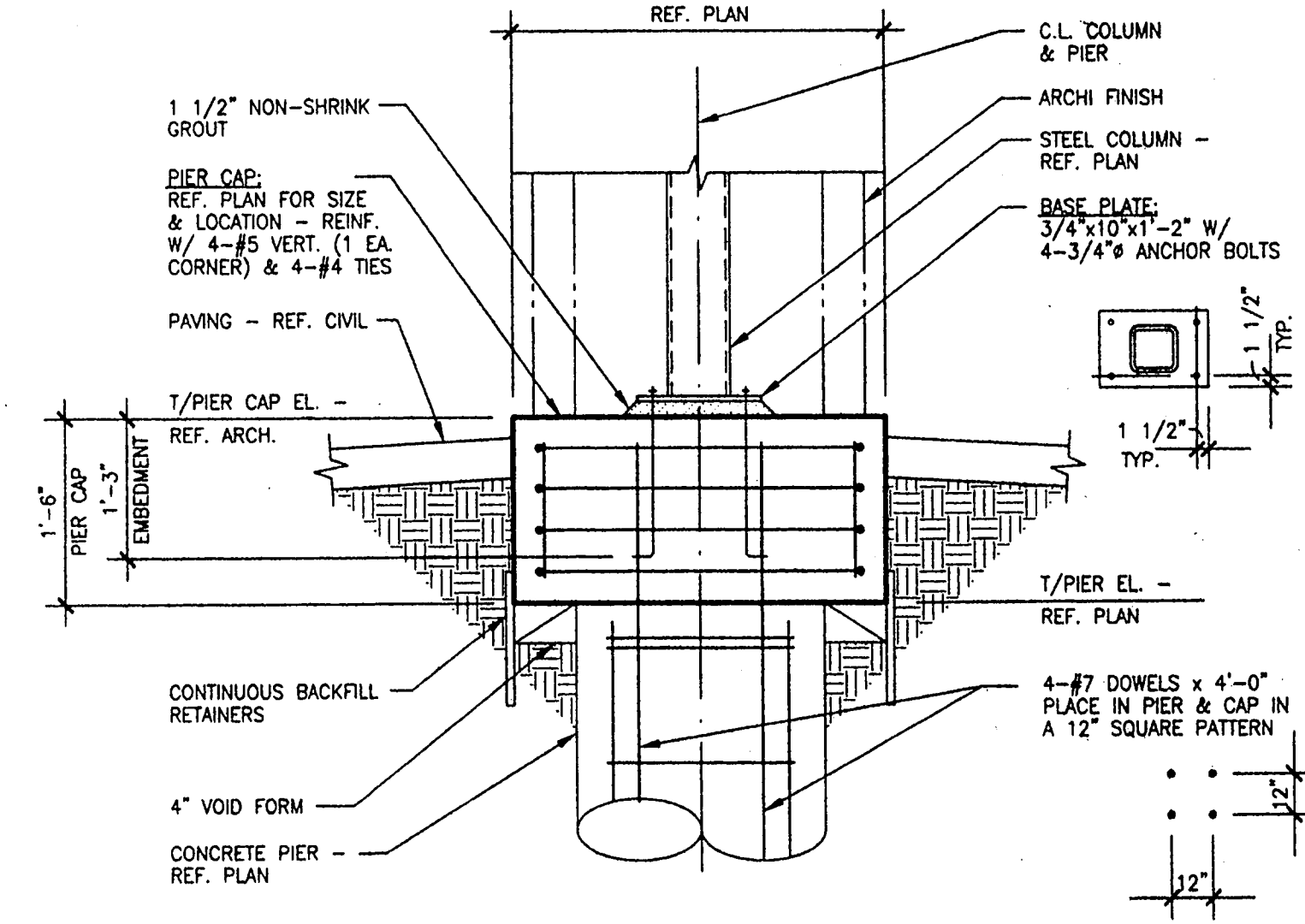
4 TYPICAL JOINTS IN SLAB-ON-GRADE DETAIL
S3.04 NO SCALE



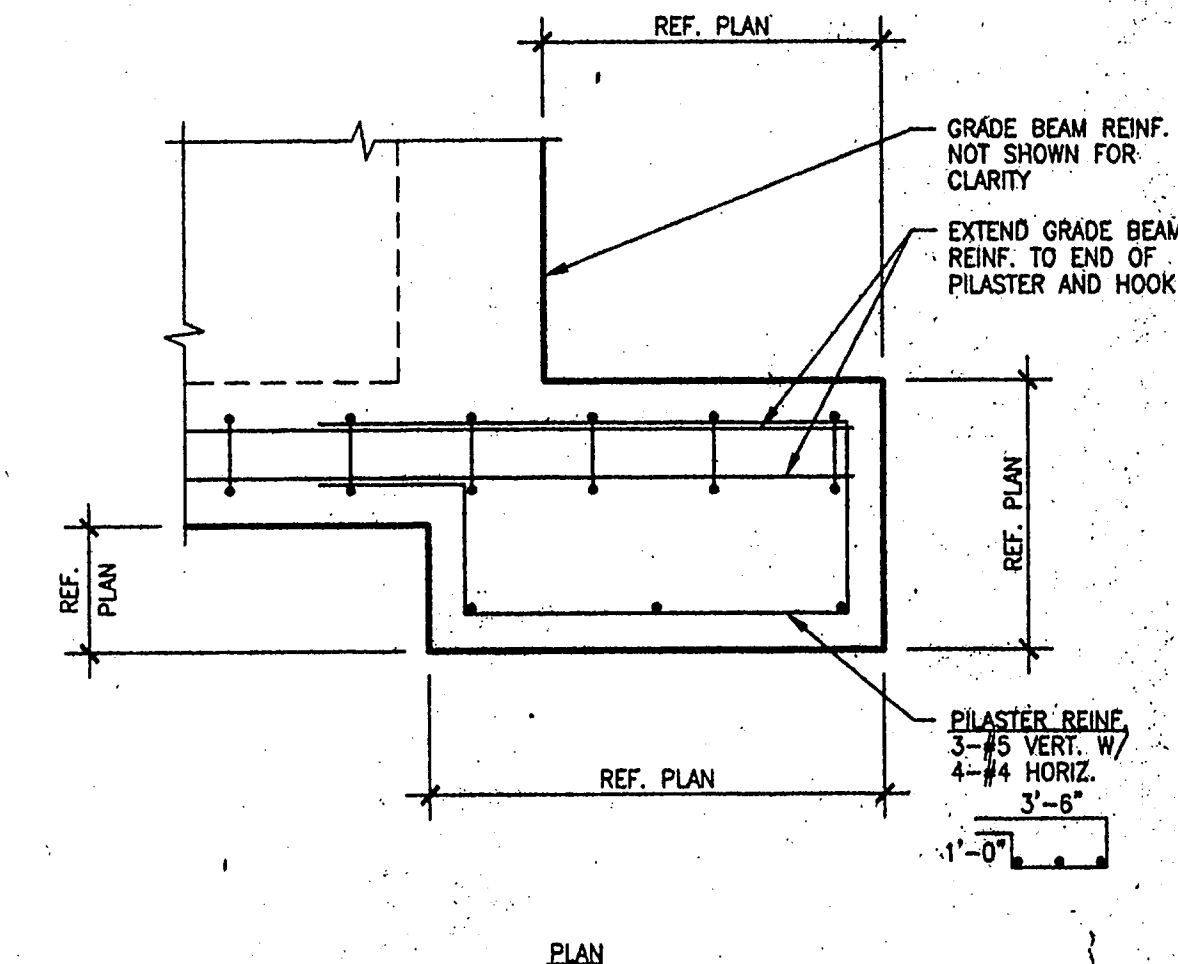
5 TYPICAL RE-ENTRANT SLAB CORNER REINFORCING DETAIL
S3.05 NO SCALE



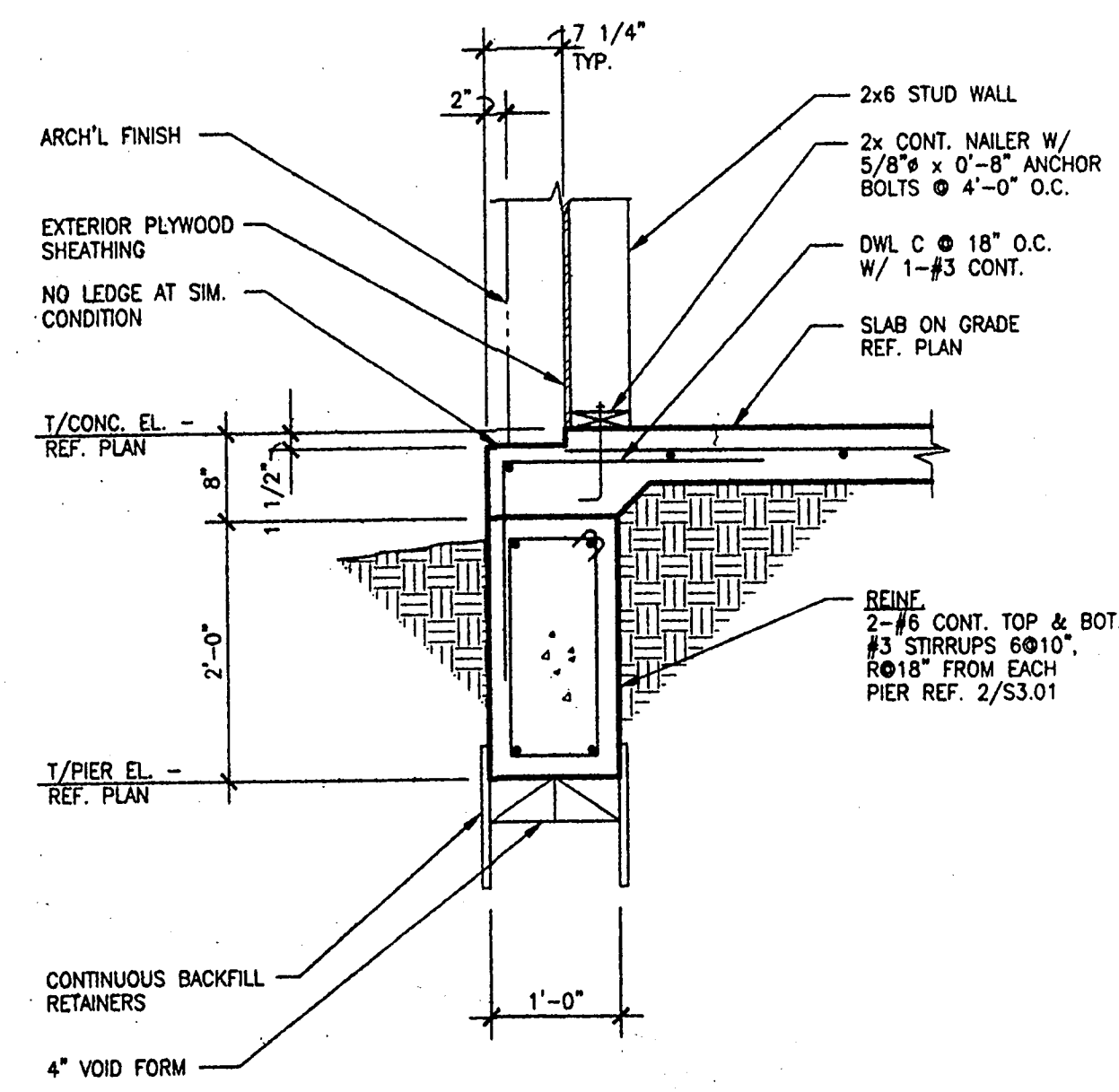
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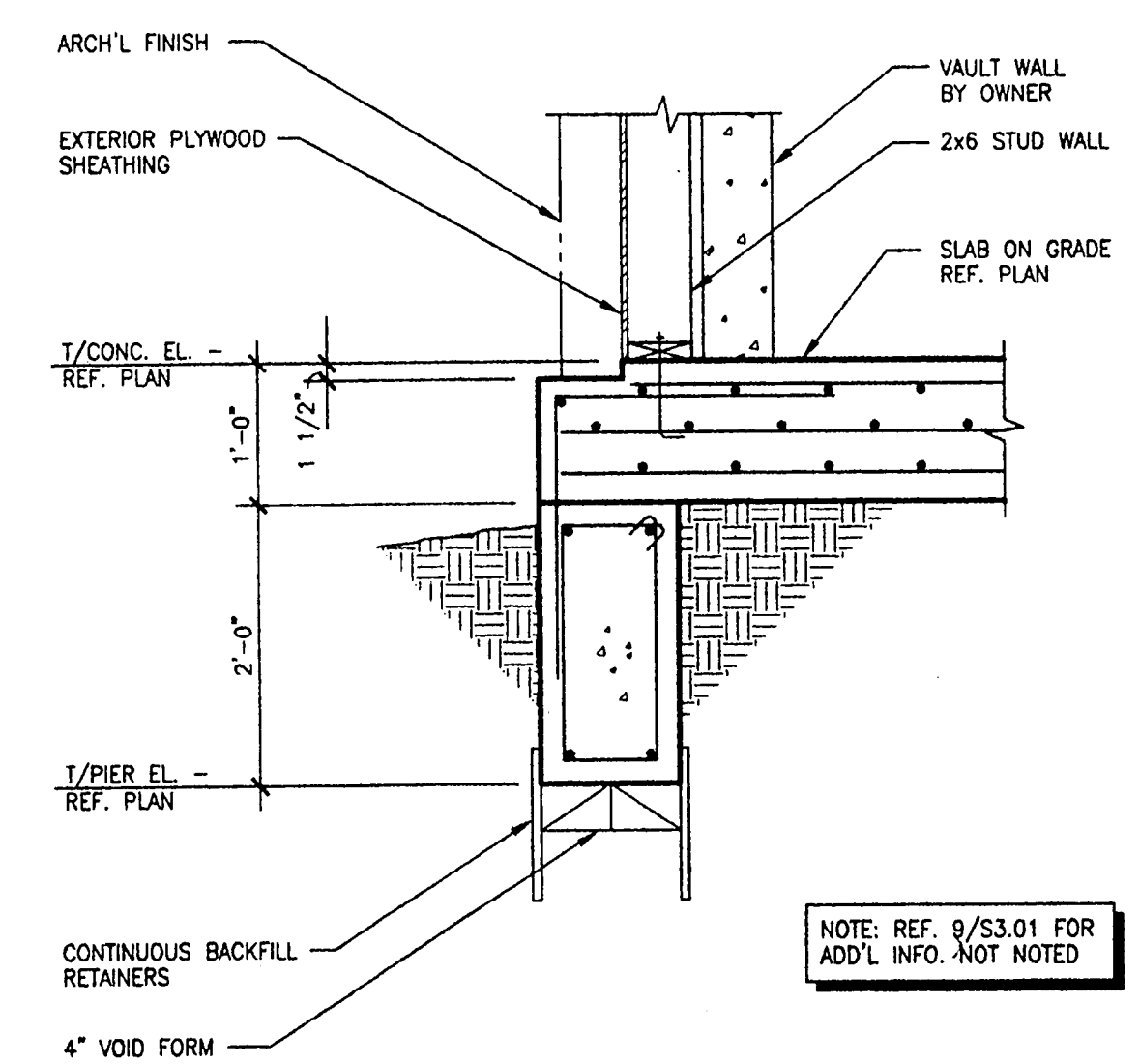
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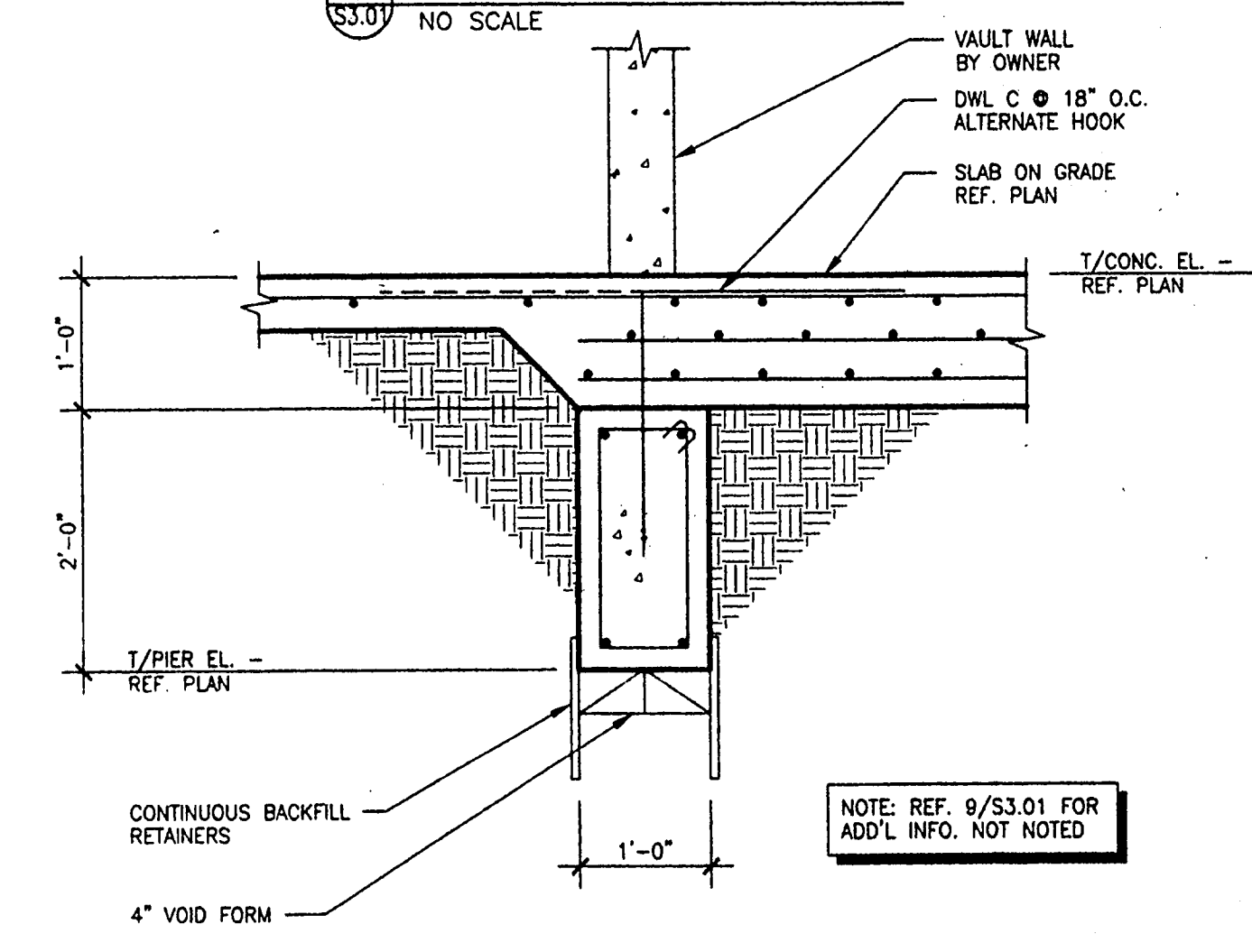
8 DETAIL
S3.08 NO SCALE



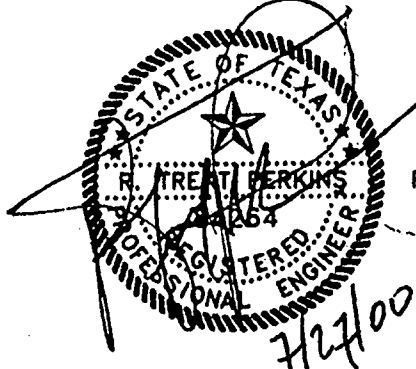
9 SECTION
S3.09 NO SCALE



10 SECTION
S3.10 NO SCALE



11 SECTION
S3.11 NO SCALE



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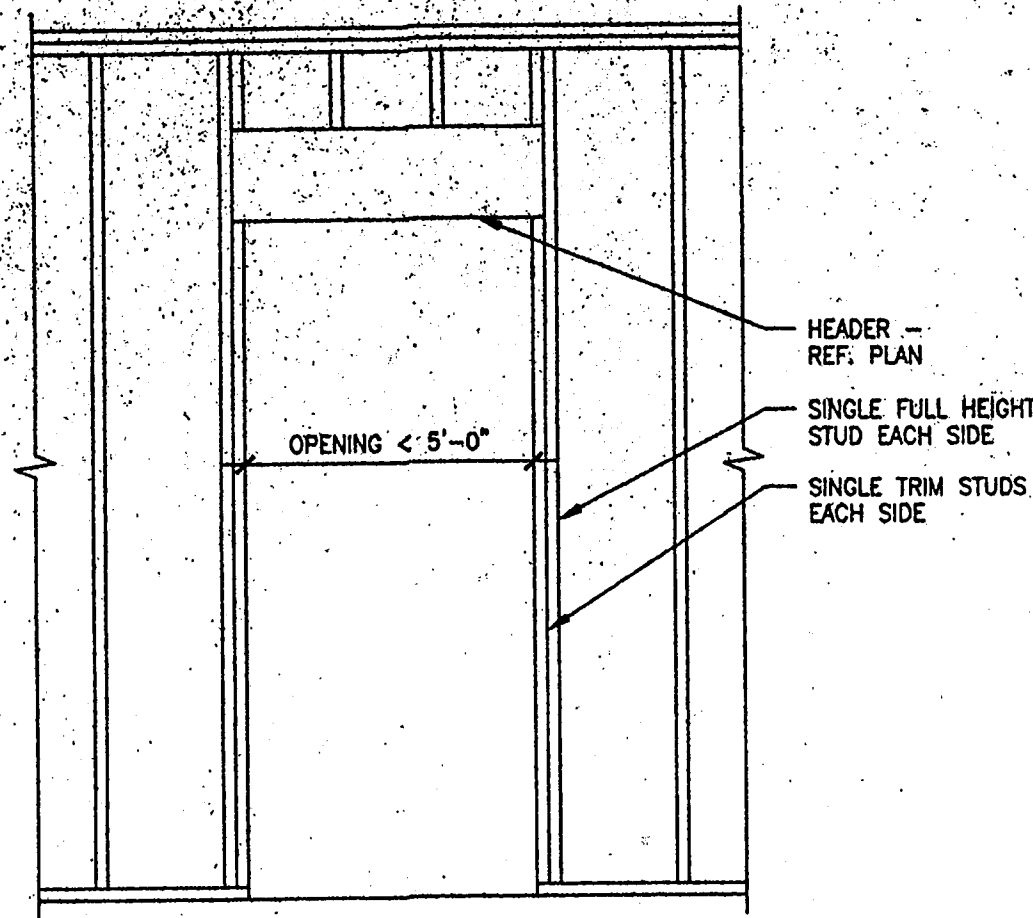
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Addicks, TX
Project # 1804

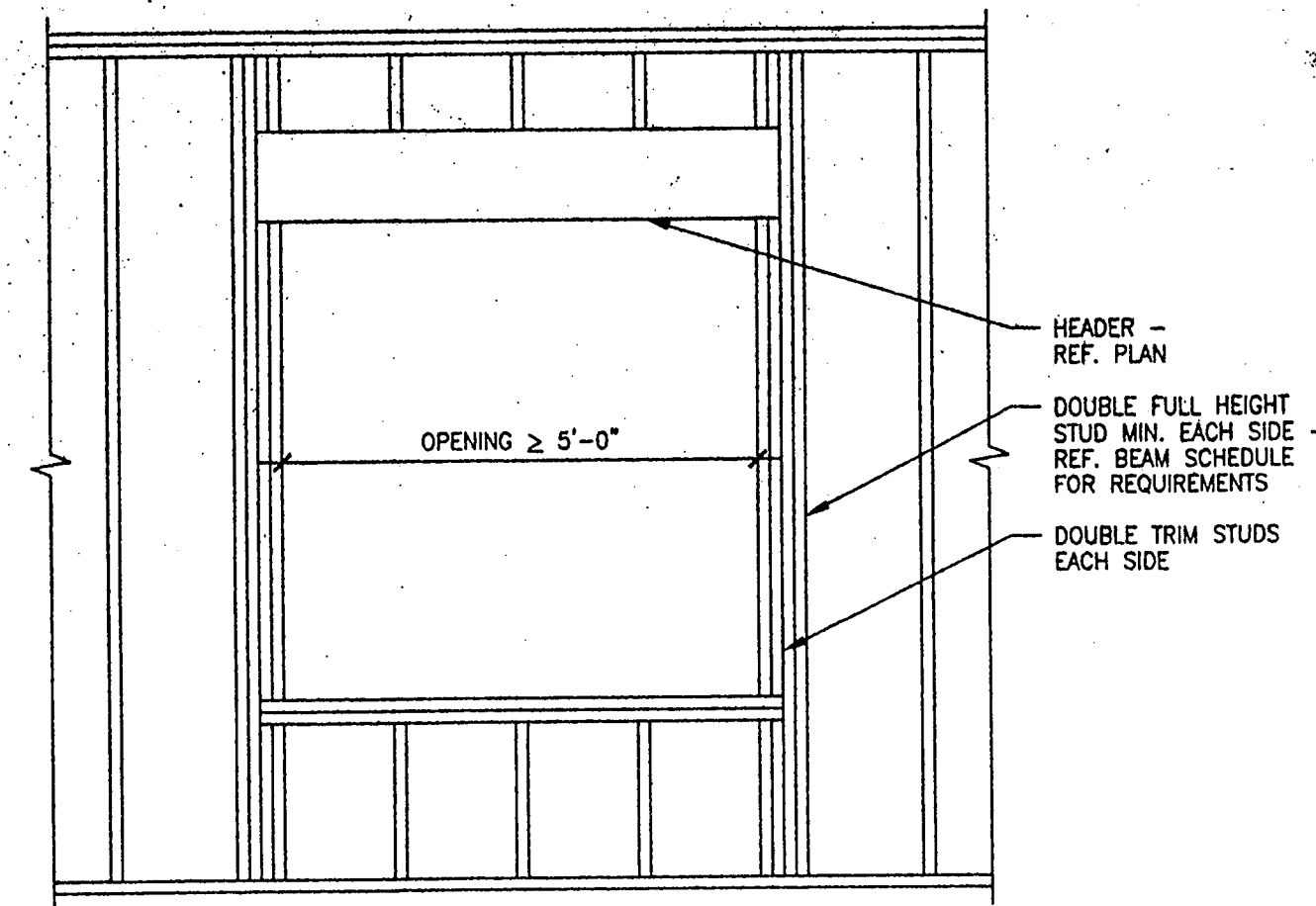
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2-17-2001 1:50 P.M. P.E. E.M.D.

S3.01

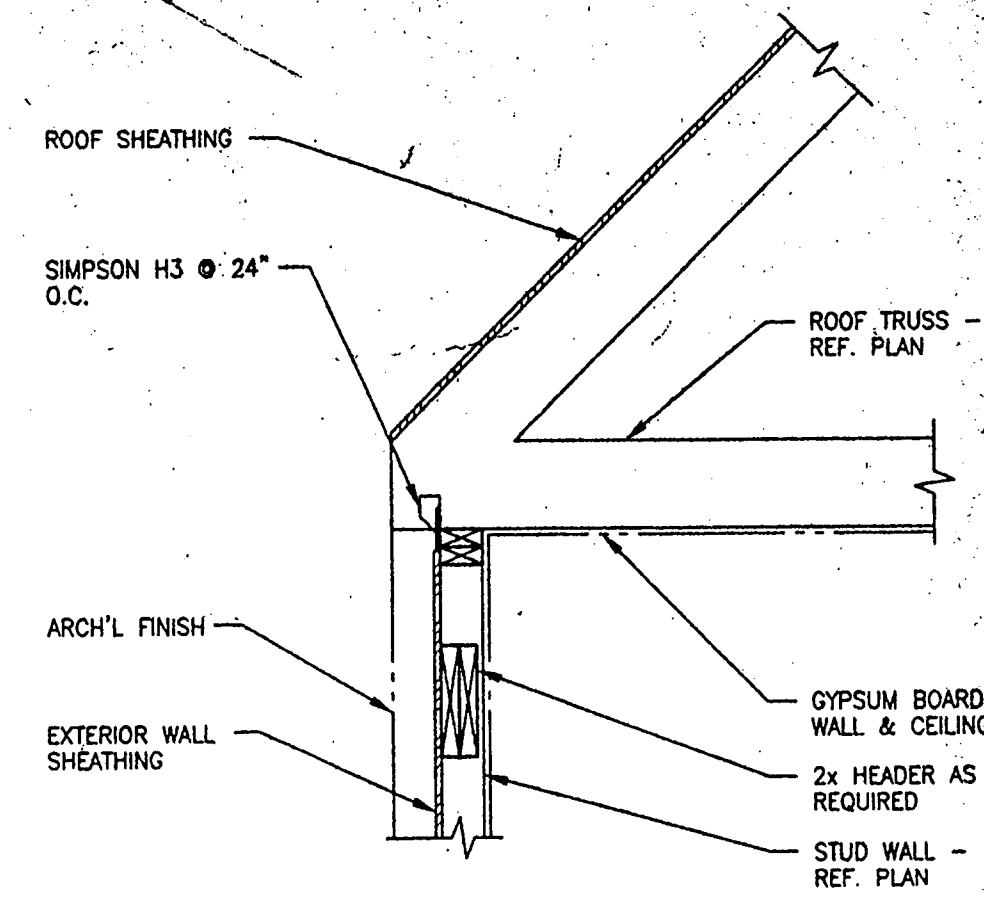
FOUNDATION DETAILS



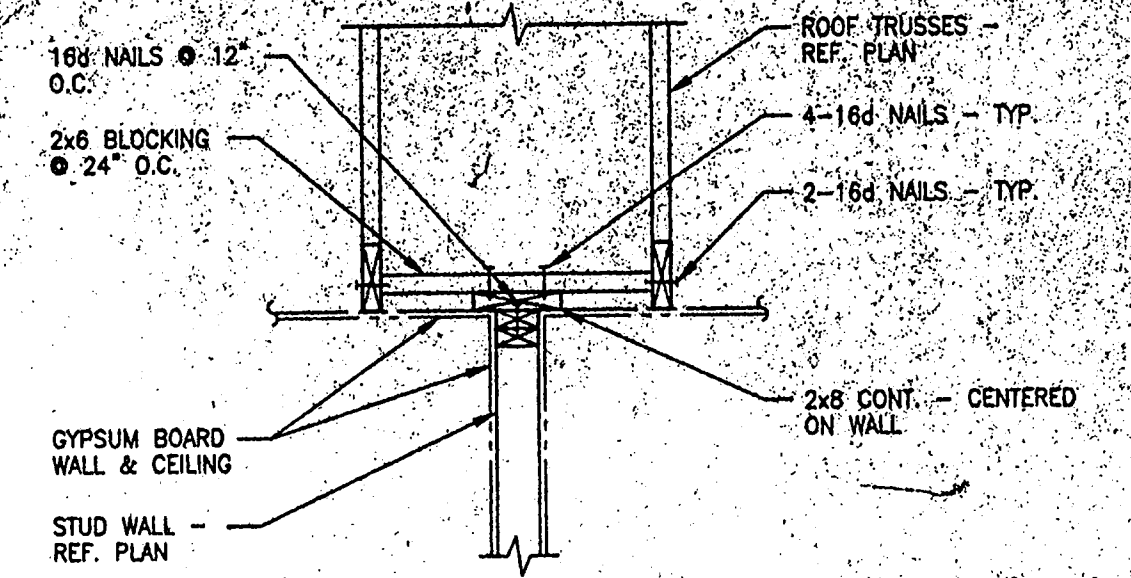
1 TYPICAL OPENING FRAMING AT
2x STUD WALL - OPENING $\le 5'-0''$
NO SCALE



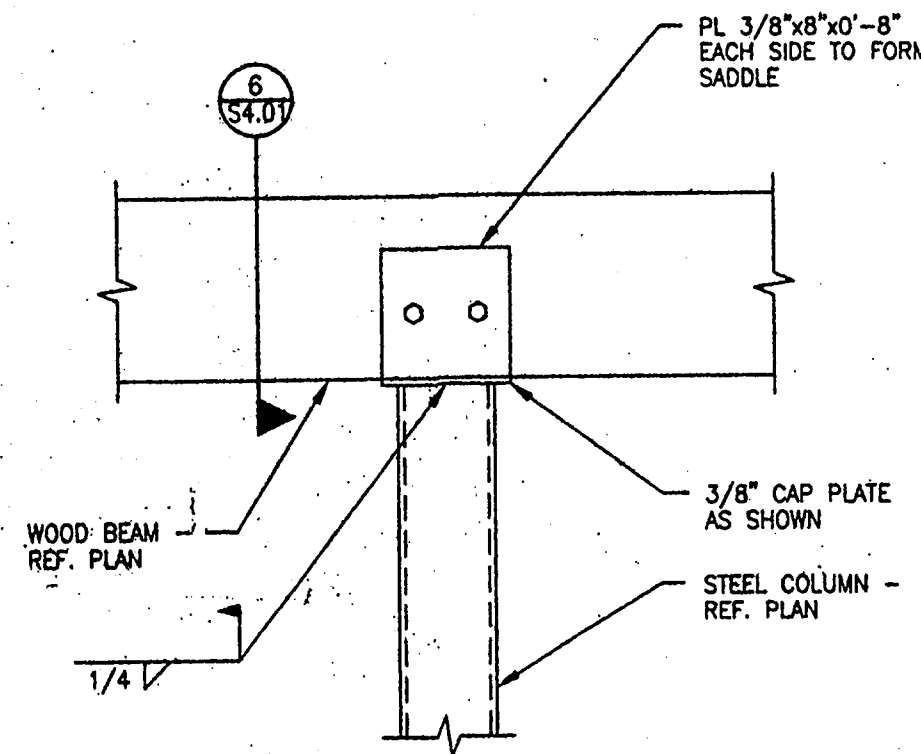
2 TYPICAL OPENING FRAMING AT
2x STUD WALL - OPENING $\ge 5'-0''$
NO SCALE



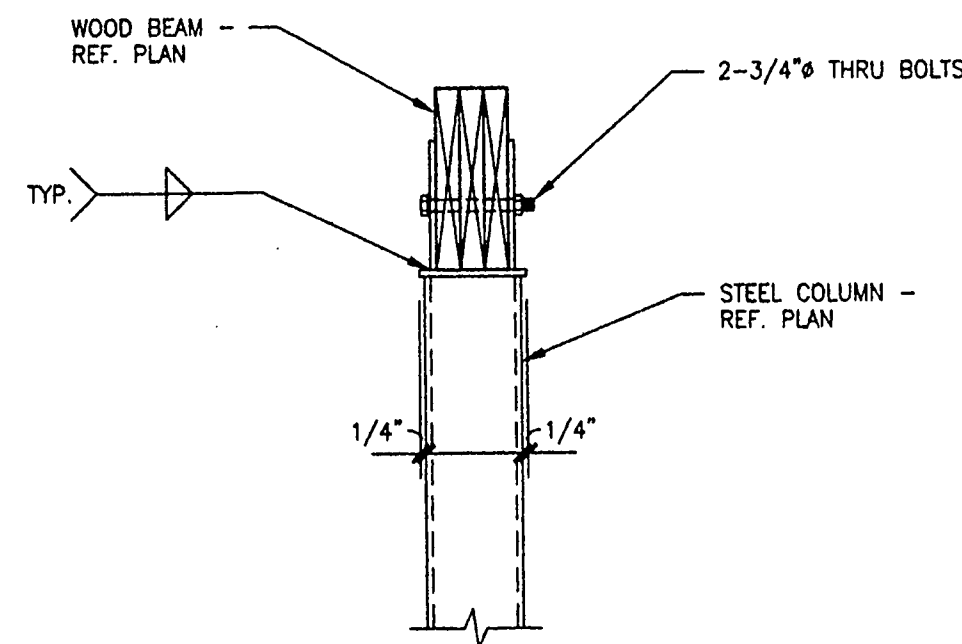
3 EXTERIOR ROOF DETAIL
NO SCALE



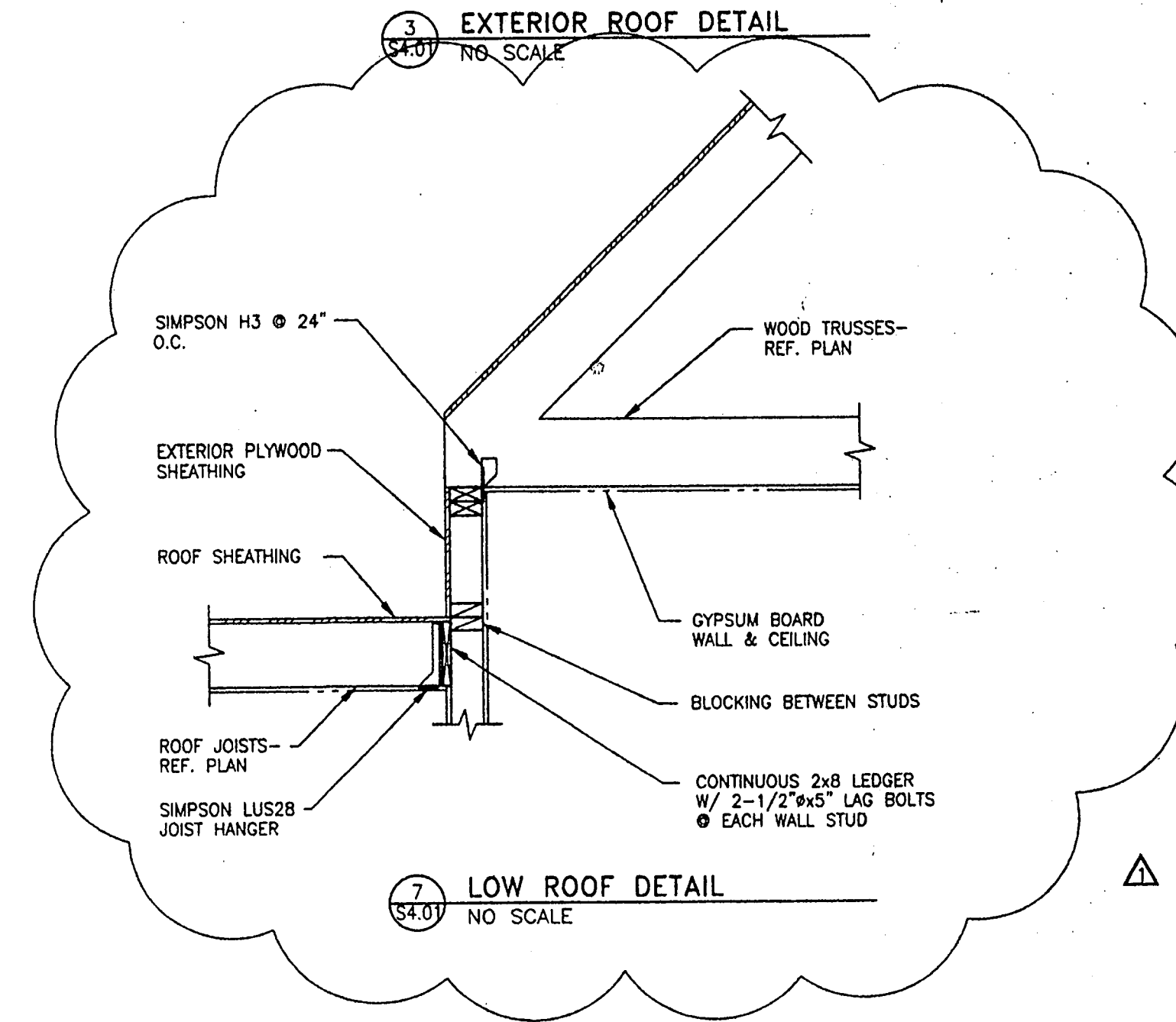
4 TYPICAL ROOF TRUSS TO
INTERIOR SHEARWALL
(ROOF TRUSS PARALLEL TO WALL)
NO SCALE



5 DETAIL
SCALE: 1"=1'-0"

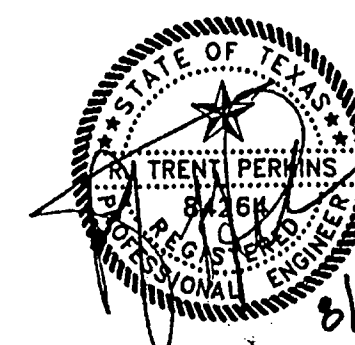


6 DETAIL
SCALE: 1"=1'-0"



7 LOW ROOF DETAIL
NO SCALE

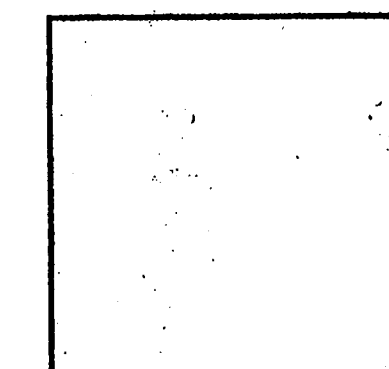
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ON
27 JULY 00

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P P O
Parkin • Perkins • Olsen
Consulting Engineering, Inc.
12970 Pandora Drive Suite 200
Dallas, Texas 75238
Tel 214.221.2220 - Fax 214.221.2252
Project No. 38018



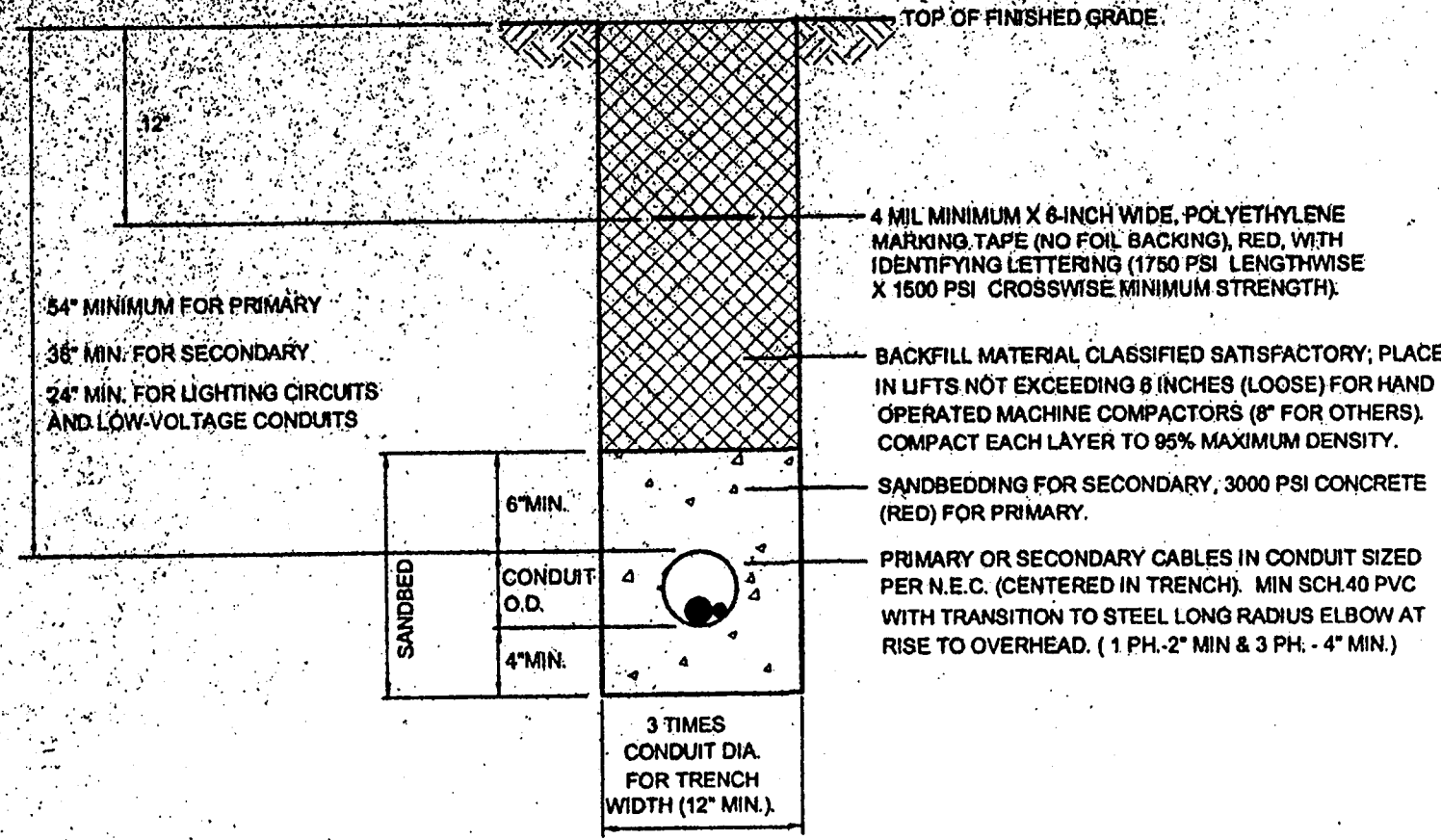
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ROGERS • FORD
ARCHITECTURE - INTERIOR DESIGN
2616 THOMAS AVENUE
DALLAS, TEXAS 75204
TELEPHONE (214) 871-9388
FAX (214) 971-3155

LONG STAR BANK
4650 Bellline Road
Addison, TX
Project # 1804

7-27-2000 PERMIT ISSUE
8-17-2000 ISSUE FOR BID
8-25-2000 ADDENDUM #1

S4.01

FRAMING DETAILS

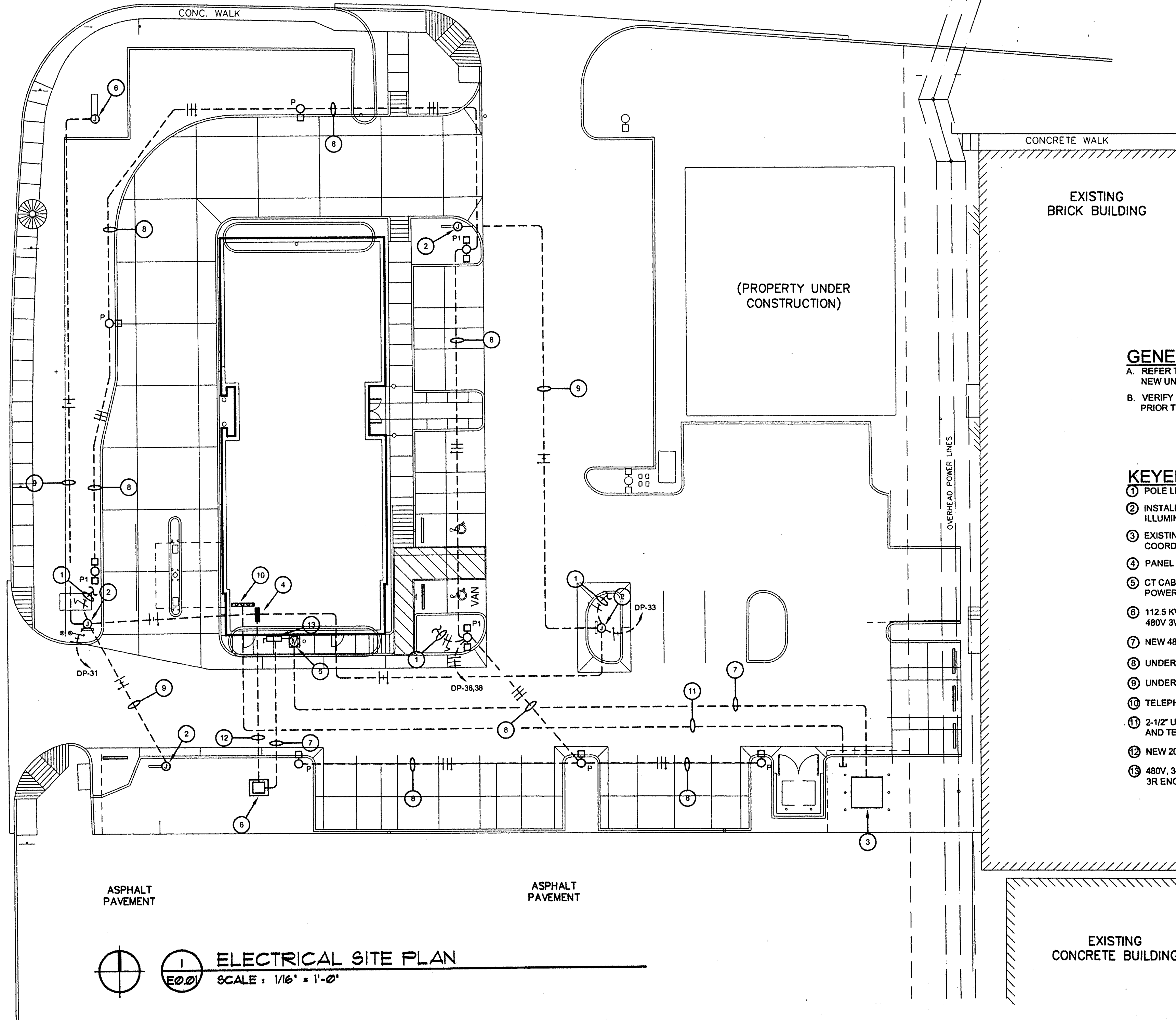


UNDERGROUND CONDUIT DETAIL

SCALE: NONE

BELT LINE ROAD

BELTWOOD PARKWAY EAST



GENERAL NOTES:

- A. REFER TO MECHANICAL SITE PLAN FOR LOCATION OF ADDITIONAL NEW UNDERGROUND UTILITIES TO FACILITY.
- B. VERIFY LOCATION OF ALL NEW AND EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY EXCAVATION.

KEYED NOTES:

- 1 POLE LIGHT TO BE CONTROLLED BY PHOTOCELL ON ROOF.
- 2 INSTALL GRADE LEVEL J-BOX FOR CONNECTION TO NEW ILLUMINATED SIGN.
- 3 EXISTING 480V/277 PAD MOUNTED TRANSFORMER TO REMAIN. COORDINATE FINAL CONNECTIONS.
- 4 PANEL "DP".
- 5 CT CABINET AND METER BASE BY CONTRACTOR. INSTRUMENT BY POWER CO. VERIFY EXACT REQUIREMENTS WITH POWER CO.
- 6 112.5 KVA DRY-TYPE TRANSFORMER IN WEATHER PROOF ENCLOSURE. 480V 3W PRIMARY / 208Y/120 3PH 4W SECONDARY.
- 7 NEW 480 UNDERGROUND SECONDARY.
- 8 UNDERGROUND LIGHTING CIRCUIT.
- 9 UNDERGROUND ILLUMINATED SIGN CIRCUIT.
- 10 TELEPHONE BACKBOARD.
- 11 2-1/2" UNDERGROUND TELEPHONE CONDUIT. VERIFY ROUTING AND TERMINATION POINT WITH TELEPHONE CO.
- 12 NEW 208V UNDERGROUND SECONDARY.
- 13 480V, 3-POLE, 200 AMP MAIN SERVICE DISCONNECT IN NEMA 3R ENCLOSURE. FUSE AT 175 AMPS.

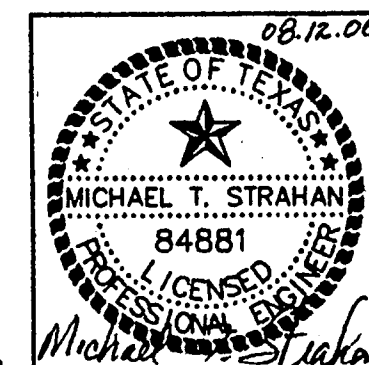
ELECTRICAL SITE PLAN
SCALE: 1/16" = 1'-0"

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STRAHAN ENGINEERING

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LUBBOCK, TEXAS 79414



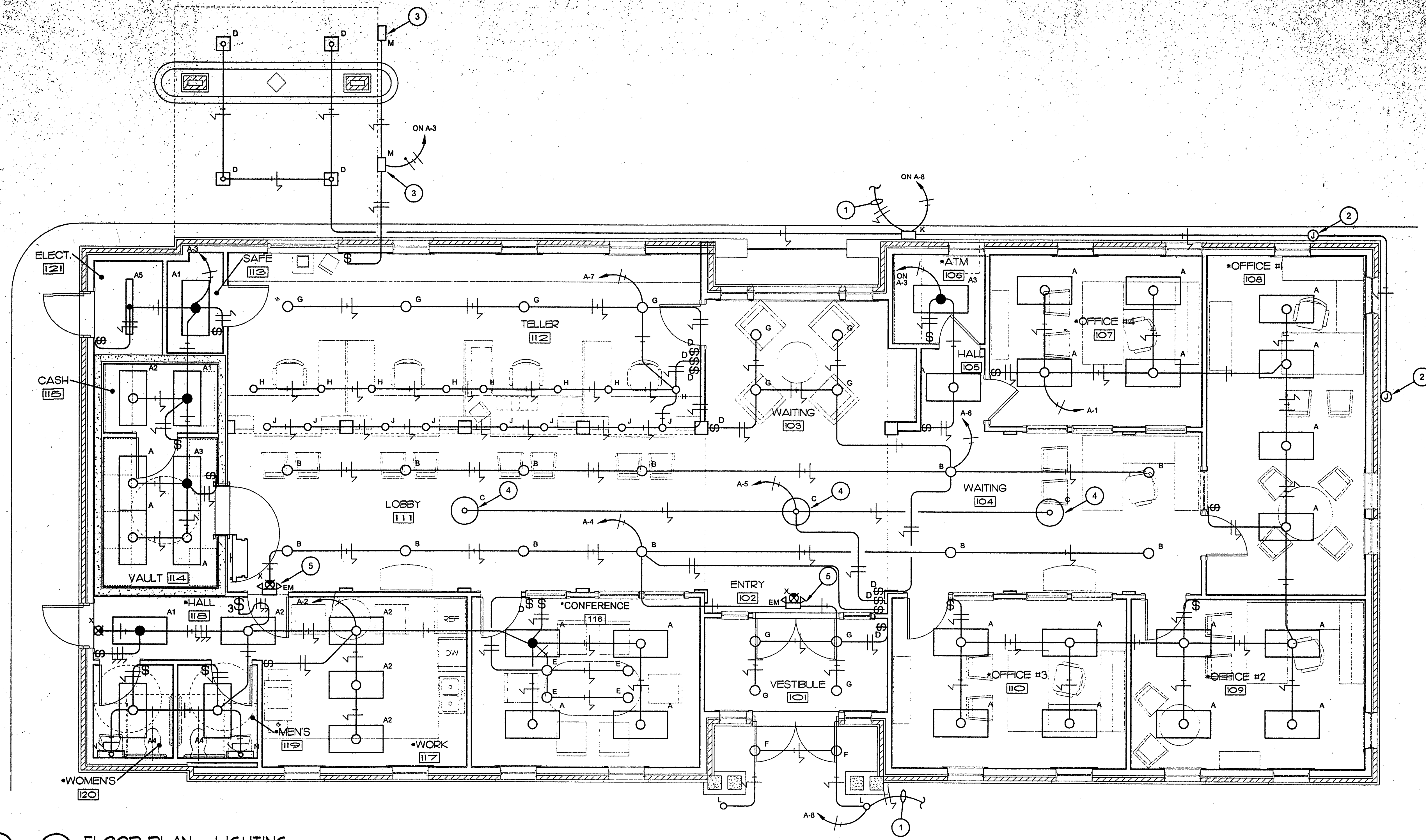
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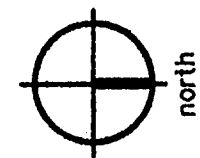

LONE STAR BANK
Belwood Parkway East
at Beltline Road
Addison, TX

Project # 1804

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E0.01





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

GENERAL NOTES:

- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED FIXTURES.
- B. VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF ALL WALL MOUNTED LIGHTING FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.
- C. WALL-BOX DIMMERS SHALL BE LUTRON VAREO SERIES OR AN APPROVED EQUAL.

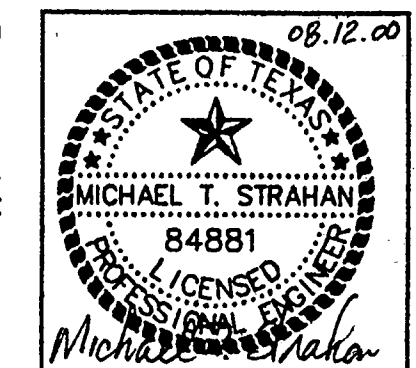
KEYED NOTES:

- ① CONTROLLED BY PHOTOCELL ON ROOF.
- ② J-BOX FOR SIGNAGE. SIGNAGE TO BE OWNER FURNISHED AND CONTRACTOR INSTALLED. VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- ③ OWNER FURNISHED CONTRACTOR INSTALLED LANE LIGHT. VERIFY LOCATION, MOUNTING AND SWITCHING REQUIREMENTS WITH OWNER.
- ④ OWNER FURNISHED CONTRACTOR INSTALLED PENDANT FIXTURE. VERIFY EXACT ELECTRICAL REQUIREMENTS ON SITE.
- ⑤ RECESS MOUNTED RETRACTABLE EMERGENCY LIGHT ABOVE EXIT LIGHT. WALL PANEL TO MATCH WALL FINISH. COORDINATE INSTALLATION ON SITE.

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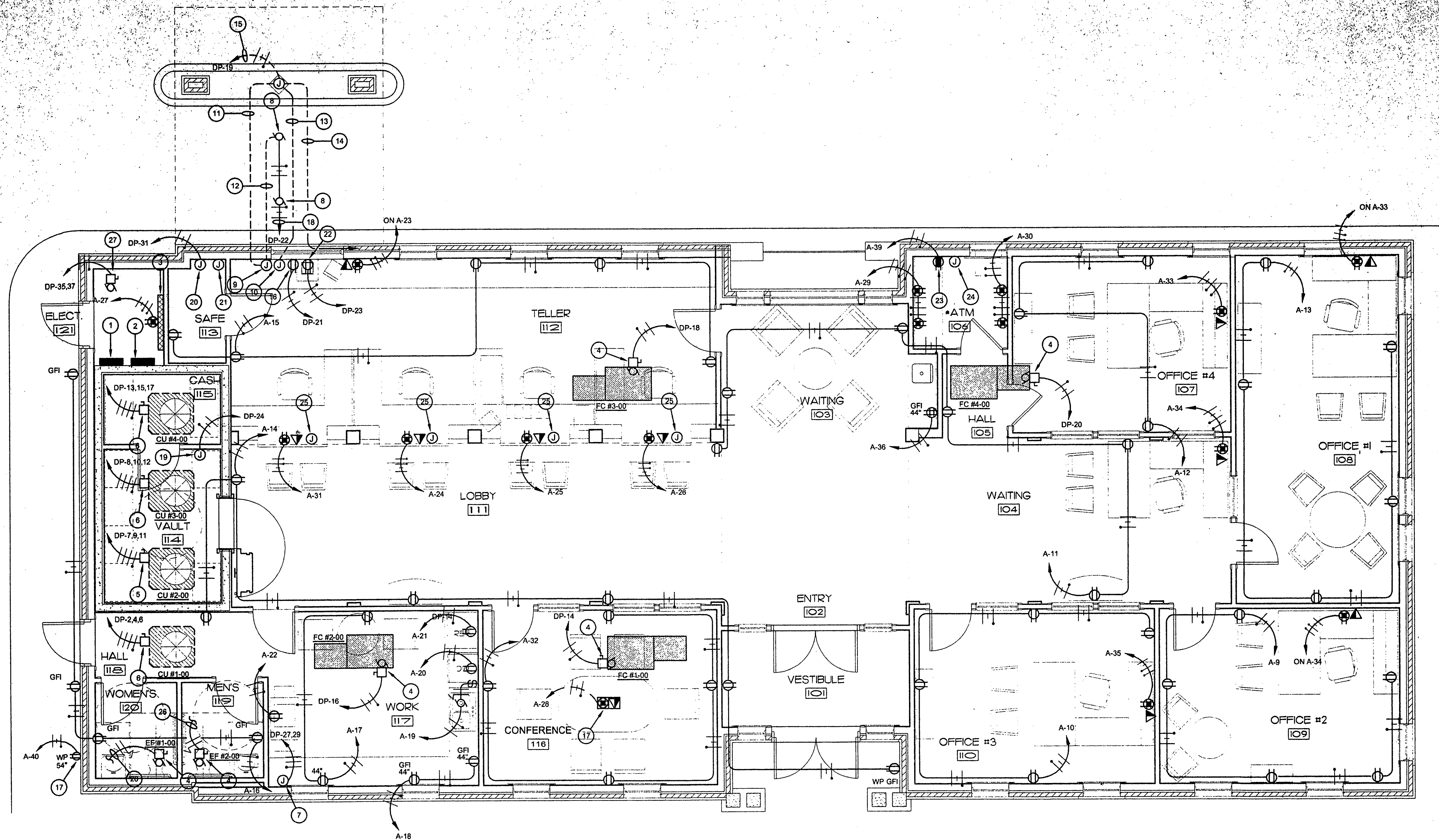


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LONE STAR BANK
 Beltwood Parkway East
 at Beltline Road
 Addison, TX
 Project # 1804

8-17-2000 ISSUED FOR BID.

E1.01



1 FLOOR PLAN-POWER/COMMUNICATION
 E2.01 SCALE: 1/4" = 1'-0"

KEYED NOTES:

- 1 PANEL "DP".
- 2 PANEL "A".
- 3 4' X 4' X 3/4" PLYWOOD BACKBOARD.
- 4 30 AMP, 120V, 1-POLE HP RATED SNAP SWITCH DISCONNECT IN NEMA 1 ENCLOSURE.
- 5 30 AMP, 240V, 3-POLE DISCONNECT IN NEMA 3R ENCLOSURE.
- 6 60 AMP, 240V, 3-POLE DISCONNECT IN NEMA 3R ENCLOSURE.
- 7 J-BOX BELOW COUNTER TOP FOR HARDWIRED CONNECTION TO ELECTRIC WATER HEATER.
- 8 DRIVE-UP BLOWER MOTOR LOCATION ABOVE SOFFIT. REFER TO DETAIL SHEET E4.01.
- 9 J-BOX ABOVE CEILING FOR DRIVE-UP CONTROLS. REFER TO DETAIL SHEET E4.01.
- 10 AUDIO J-BOX BELOW COUNTER TOP. REFER TO DETAIL SHEET E4.01.
- 11 3/4" CUSTOMER UNIT CONTROL CONDUIT BENEATH SLAB.
- 12 3/4" BLOWER MOTOR CONTROL CONDUIT ABOVE SOFFIT.
- 13 3/4" AUDIO CONDUIT BENEATH SLAB.
- 14 3/4" CCTV CONDUIT BENEATH SLAB. STUB CONDUIT INTO ATM 106 FOR CONNECTION BY OTHERS.
- 15 20 AMP DEDICATED POWER CIRCUIT TO CUSTOMER UNIT. INSTALL BENEATH SLAB.
- 16 DEDICATED 15 AMP, 115V CIRCUIT AND DUPLEX RECEPTACLE.
- 17 MULTI SERVICE FLOOR BOX (WALKER RF34(2)DTB-23T(2)/RFB-DR) OR AN APPROVED EQUAL. INSTALL (2) 3/4" CONDUITS. ONE FROM BOX TO TELEPHONE BACKBOARD AND ONE TO ATM 106.
- 18 30 AMP, 115V BLOWER MOTOR CIRCUIT ABOVE SOFFIT.
- 19 J-BOX ABOVE VAULT FOR CONNECTION OF VAULT VENTILATORS.
- 20 2" X 4" J-BOX FOR CONNECTION OF DEPOSITORY SIGN. VERIFY EXACT LOCATION ON SITE.
- 21 2" X 4" J-BOX FOR CONNECTION OF DEPOSITORY TO SECURITY ALARM SYSTEM. INSTALL (1) 3/4" CONDUIT FROM BOX TO ROOM ATM 106.
- 22 DEDICATED 20 AMP DUPLEX RECEPTACLE FOR DEALER DRAWER.
- 23 DEDICATED 20 AMP DUPLEX RECEPTACLE AND CIRCUIT FOR SERVICE TO ATM.
- 24 4" X 4" J-BOX FOR CONNECTION OF ALARM SYSTEM. INSTALL (1) 3/4" LIQUID TIGHT FLEX CONDUIT FROM BOX TO ATM MACHINE, (1) 1" EMT TO ALARM PANEL (BY OTHERS) AND (1) 3/4" CONDUIT TO NIGHT DEPOSITORY IN SAFE 113. REFER TO NOTE 21.
- 25 INSTALL ONE 2" X 4" J-BOX BENEATH COUNTER TOP FOR ALARM PANEL. INSTALL ONE 3/4" CONDUIT FROM BOX TO ATM ROOM 106 FOR CONNECTION TO ALARM PANEL BY OTHERS. COORDINATE INSTALLATION ON SITE.
- 26 EXHAUST FAN TO BE SWITCHED WITH LIGHTS.
- 27 30AMP, 240VAC, 2-POLE HP RATED SNAP SWITCH DISCONNECT IN NEMA 1 ENCLOSURE.
- 28 RECESS MOUNTED WETHERPROOF DUPLEX FOR IRRIGATION CONTROLLER. VERIFY MOUNTING WITH IRRIGATION CONTRACTOR.

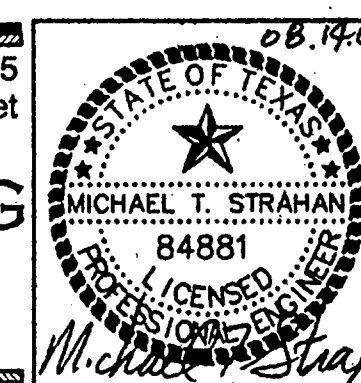
GENERAL NOTES:

- A. TELEPHONE/DATA OUTLETS SHALL CONSIST OF A 4" X 4" WALL BOX. INSTALL (2) 3/4" CONDUITS. ONE CONDUIT SHALL RUN FROM BOX TO TELEPHONE BACKBOARD. THE OTHER CONDUIT SHALL RUN FROM BOX TO ATM ROOM 106.
- B. FIRE ALARM CONTRACTOR SHALL DESIGN AND INSTALL A COMPLETE FIRE ALARM SYSTEM IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL CODES, LAWS AND REGULATIONS. DESIGN DRAWINGS SHALL BE CERTIFIED BY A NICET LEVEL 4 FIRE ALARM DESIGNER AND SUBMITTED TO LOCAL AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO CONSTRUCTION.
- C. REFER TO MANUFACTURES DETAILS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION OR ALL BANKING EQUIPMENT.
- D. SECURITY ALARM SYSTEM TO BE PROVIDED AND INSTALLED BY OTHERS.

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LONE STAR BANK
 Beltwood Parkway East
 at Beltline Road
 Addison, TX
 Project # 1804

8-77-2000 ISSUED FOR BID

E2.01

ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	2X4 FLUORESCENT LIGHTING FIXTURE - TYPE NOTED
	FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY
	1X1 SQUARE H.I.D. DOWNLIGHT FIXTURE - TYPE NOTED
	FLUORESCENT LIGHTING FIXTURE - TYPE NOTED
	WALL MOUNTED EXTERIOR FIXTURE - TYPE NOTED
	EXIT LIGHT - TYPE NOTED
	FLUORESCENT OR INCANDESCENT DOWNLIGHT - TYPE NOTED
	POLE MOUNTED LUMINAIRE - TYPE NOTED
	SPST, 3-WAY, 4-WAY WALL SWITCH
	WALL BOX DIMMER
	DUPLEX RECEPTACLE - 20A, 12V, 2P, 3W, GROUNDING
	DUPLEX RECEPTACLE WITH GFI
	ISOLATED GROUND DUPLEX RECEPTACLE
	WEATHER PROOF DUPLEX RECEPTACLE
	QUADRIPLEX RECEPTACLE LOCATION
	COMBINATION DATA/TELEPHONE OUTLET LOCATION
	MOTOR LOCATION
	DISCONNECT SWITCH
	ISOLATED GROUND QUADRIPLEX RECEPTACLE
	MULTISERVICE FLOORBOX
	CIRCUIT RUN TO PANELBOARD - NUMBER OF WIRES SHOWN
	CIRCUIT INDICATION - PHASE, NEUTRAL, SWITCH LEG, GROUND
	SURFACE MOUNTED ELECTRICAL PANELBOARD
	JUNCTION BOX

WIRE AND CONDUIT SIZING CHART																				
BREAKER	15	20	25	30	35	40	45	50	60	70	80	90	100	125	150	175	200	225		
PHASE	#12	#12	#10	#10	#8	#8	#8	#8	#6	#4	#4	#2	#2	#1	#1/0	#2/0	#3/0	#4/0		
NEUTRAL	#12	#12	#10	#10	#8	#8	#8	#8	#6	#4	#4	#2	#2	#1	#1/0	#2/0	#3/0	#4/0		
GROUND	#12	#12	#10	#10	#10	#10	#10	#10	#10	#8	#8	#6	#6	#4	#4	#2	#2			
CONDUIT	1/2"	1/2"	1/2"	1/2"	1"	1"	1"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"	2"	2"	2-1/2"			

NOTE: UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL CONDUCTORS AND CONDUIT SHALL BE SIZED FROM THIS CHART

LIGHTING FIXTURE SCHEDULE						
TYPE	VOLT.	MOUNTING	MANUFACTURER	CATALOG NUMBER	LAMPS	DESCRIPTION/REMARKS
A	120	RECESSED	H.E. WILLIAMS	USG-A24-332OC-39M-EB81-120	(3) F32T8/SP35	2'X4' 27 CELL RECESSED PARABOLIC FLUORESCENT
A1	120	RECESSED	H.E. WILLIAMS	50G-S24-332OC-RWKA.125-EB81-120-B50ST	(3) F32T8/SP35	PROVIDE WITH BODINE B50ST EMERGENCY BALLAST
A2	120	RECESSED	H.E. WILLIAMS	50G-S24-332OC-RWKA.125-EB81-120	(3) F32T8/SP35	2'X4' STATIC RECESSD FLUORESCENT
A3	120	RECESSED	H.E. WILLIAMS	USG-A24-332OC-39M-EB81-120-B50ST	(3) F32T8/SP35	PROVIDE WITH BODINE B50ST EMERGENCY BALLAST
A4	120	RECESSED	H.E. WILLIAMS	50F-S24-232OC-RWKA.125-EB81-120	(2) F32T8/SP35	2'X4' STATIC RECESSED FLUORESCENT WITH FLANGE KIT
A5	120	RECESSED	H.E. WILLIAMS	76-4-232OC-WG-EB81-120-B50ST	(2) F32T8/SP35	4' STRIP, PROVIDE WITH BODINE B50ST EMERGENCY BALLAST
B	120	RECESSED	EDISON-PRICE	MP38/6AA-30-COLWH	(1) GE 150PAR38/3SP	6" APERTURE, ADJUSTABLE ACCENT, CLEAR REFLECTOR, PROVIDE WITH SLOPE ADAPTER
C	120	PENDANT	OFCI	OFCI	OFCI	OFCI=OWNER FURNISHED CONTRACTOR INSTALLED
D	120	RECESSED	KIRLIN	RS51060-DH	(1) 100W MH	-20 DEGREE F BALLAST, SQUARE DOWNLIGHT WITH HPF BALLAST AND GLASS LENSE
E	120	RECESSED	EDISON-PRICE	12RTL54-2	(1) GE 150PAR38/3SP	6" APERTURE, ADJUSTABLE ACCENT, CLEAR REFLECTOR
EM	120	WALL FLUSH	EMERGITLITE	FRLEDP-XN-1R	INCLUDED	RETRACTABLE EMERGENCY LITE RECESS MOUNTED ABOVE EXIT LIGHT
F	120	RECESSED	CAPRI	MH72-V1F-T042	(1) 100W MH	-20 DEGREE F BALLAST, 6" APERTURE H.I.D. DOWNLIGHT
G	120	RECESSED	EDISON-PRICE	DL20 COLWH	GE 50PAR20/NFL25"	3-3/8" APERTURE DOWNLIGHT WITH CLEAR REFLECTOR
H	120/12	RECESSED	EDISON-PRICE	ANGLUX MR COLWH	(1) GE Q50MR16/CN/FL25" EXZ	4" APERTURE, LOW VOLTAGE, ADJUSTABLE
J	120/12	RECESSED	EDISON-PRICE	DLMR/4 COLWH	(1) GE Q50MR16/CN/FL25" EXZ	4" APERTURE, LOW VOLTAGE
K	120	WALL	DAY-BRITE	WLA-175-MH-120	(1)100W MH	H.I.D. WALL PACK, VERIFY MOUNTING HEIGHT WITH ARCHITECT
L	120	GROUND	KIM	LTV1D-SP-100MH-120	(1) 100W MH	GROUND MOUNTED WELL LIGHT, MOUNT IN CONCRETE
M	120	SURFACE	OFCI	OFCI	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED LANE LIGHT, VERIFY INSTALLATION WITH OWNER
N	208	WALL	DAY-BRITE	CB217B-120	(2) F17T8/SP35	MOUNT OVER MIRROR
P	208	POLE	GARDCO	BE-13-175MH-208-BRA	(1) 175W MH	POLE SHALL BE GARDCO CA4-15-D1-BRA
P1	208	POLE	GARDCO	BE-23-175MH-208-BRA	(2) 175W MH	POLE SHALL BE GARDCO CA4-15-D2-BRA
X	120	WALL FLUSH	EMERGITLITE	FRLEDP-XN-1R	INCLUDED	SELF-POWERED LED EXIT WITH RED LETTERS. RECESS MOUNTING AS REQUIRED

PANELBOARD 'DP'										
CIRCUIT BREAKER TYPE		SURFACE MOUNTED		22,000		SYM. A.I.C. MIN.				
208Y/120		3 PHASE		4 WIRE		400 AMP. MAIN BREAKER W/		400 AMP. TRIP		
						208Y/120 VOLTS		400 AMP. MAIN LUGS		
CKT. NO.	TRIP AMPS	NO. POLE	LOAD SERVED	LOAD - V.A.			CKT. NO.	TRIP AMPS	NO. POLE	LOAD SERVED
				A Ø	B Ø	C Ø				
1				12000			2			
3	150	3	PANEL 'A'	3060	11285		4	40	3	CU#1-00
5					3060	11400	6			
7				1464			8			
9	25	3	CU#2-00	3060	1464		10	40	3	CU#3-00
11					3060	1464	12			
13				3060			14	25	1	FC#1-00
15	40	3	CU#4-00	1655	3060		16	25	1	FC#2-00
17					3060	1655	18	25	1	FC#3-00
19	20	1	DRIVE-UP CUSTOMER UNIT	1200			20	25	1	FC#4-00
21	20	1	DRIVE-UP TELLAR UNIT	1200			22	30	1	DRIVE-UP BLOWER MOTORS
23	20	1	DEALERS DRAWER	2880			24	20	1	VAULT VENTILATORS
25	20	1	SPARE				26	20	1	SPARE
27							28	20	1	SPARE
29	20	2	HOT WATER HEATER				30			
31	20	1	ILLUMINATED SIGNS	600			32	60	3	SPARE
33	20	1	ILLUMINATED SIGNS				34			
35							36			
37	20	2	UNIT HEATER	1500			38	20	2	POLE LIGHTING
39	20	1	SPARE	1230			40	20	1	SPARE
41	20	1	SPARE				42	20	1	SPARE
CONNECTED LOADS				29288	29875	28930	TOTAL CONNECTED LOAD: 88091 VA			

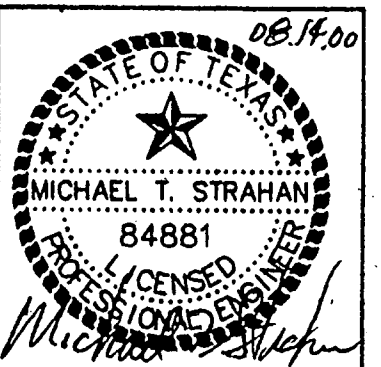
PANELBOARD 'A'										
CIRCUIT BREAKER TYPE		SURFACE MOUNTED		10,000		SYM. A.I.C. MIN.		W/ ISOL GR. BAR		
208Y/120		3 PHASE		5 WIRE		N/A AMP. MAIN BREAKER W/		N/A AMP. TRIP		
						208Y/120 VOLTS		225 AMP. MAIN LUGS		
CKT. NO.	TRIP AMPS	NO. POLE	LOAD SERVED	LOAD - V.A.			CKT. NO.	TRIP AMPS	NO. POLE	LOAD SERVED
				A Ø	B Ø	C Ø				
1	20	1	LIGHTS	1520			2	20	1	LIGHTS
3	20	1	LIGHTS	1680	1120		4	20	1	LIGHTS
5	20	1	LIGHTS		1100		6	20	1	LIGHTS
7	20	1	LIGHTS	1000			8	20	1	EXT. LIGHTS
9	20	1	RECEPTACLES	800			10	20	1	RECEPTACLES
11	20	1	RECEPTACLES	800			12	20	1	RECEPTACLES
13	20	1	RECEPTACLES	1000			14	20	1	RECEPTACLES
15	20	1	RECEPTACLES	1200			16	20	1	RECEPTACLES
17	20	1	MICROWAVE	800			18	20	1	COFFEE/RCPT
19	20	1	DISPOSER	500			20	20	1	DISHWASHER
21	20	1	REFRIGERATOR	1500			22	20	1	COPY MACHINE
23	20	1	CLEAN POWR RCPT ①	500			24	20	1	CLEAN POWR RCPT ①
25	20	1	CLEAN POWR RCPT ①	400			26	20	1	CLEAN POWR RCPT ①
27	20	1	TELEPHONE EQUIPMENT ①	400			28	20	1	CLEAN POWR RCPT ①
29	20	1	CLEAN POWR RCPT ①	800			30	20	1	CLEAN POWR RCPT ①
31	20	1	CLEAN POWR RCPT ①	400			32	20	1	RECEPTACLES
33	20	1	CLEAN POWR RCPT ①	800			34	20	1	CLEAN POWR RCPT ①
35	20	1	CLEAN POWR RCPT ①	800			36	20	1	COFFEE MACHINE
37	20	1	SPARE	400			38	20	1	FIRE ALARM - ②
39	20	1	ATM ①	500			40	20	1	IRRIGATION CONTROLLER
41	20	1	SPARE	875			42	20	1	SPARE
CONNECTED LOADS				12000	11795	11400	TOTAL CONNECTED LOAD: 34695 VA			

① PROVIDE ADDITIONAL GREEN WITH YELLOW STRIPE #12 ISOLATED GROUND CONDUCTOR WITH THIS CIRCUIT.
 ② VERIFY LOCATION OF REQUIRED POWER CIRCUIT WITH FIRE ALARM CONTRACTOR.

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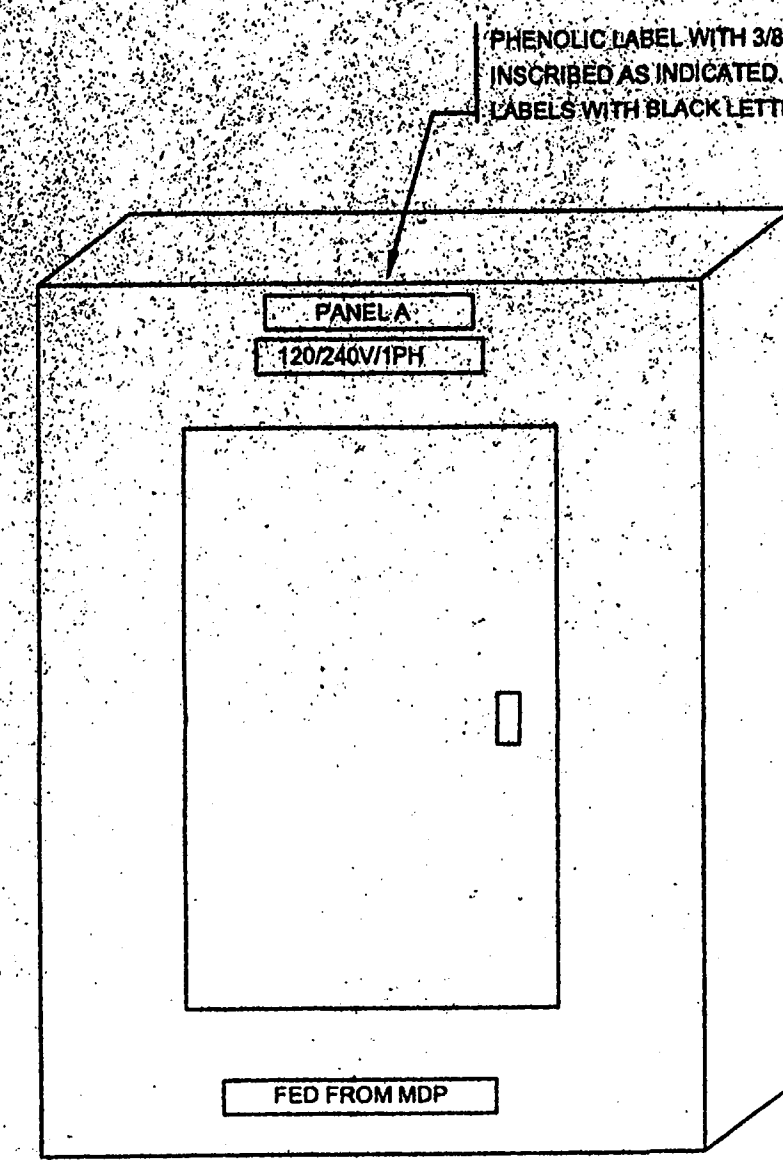
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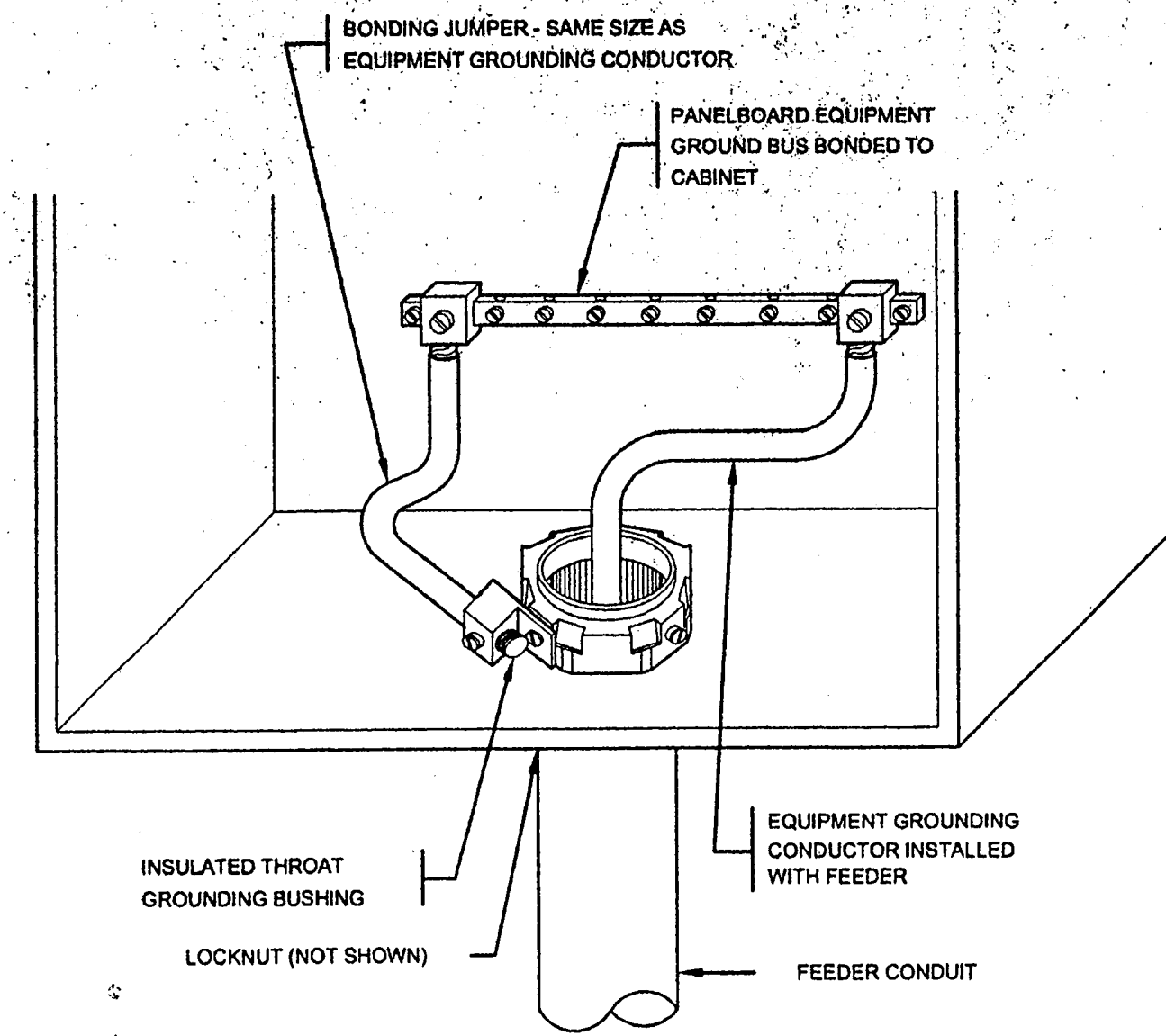
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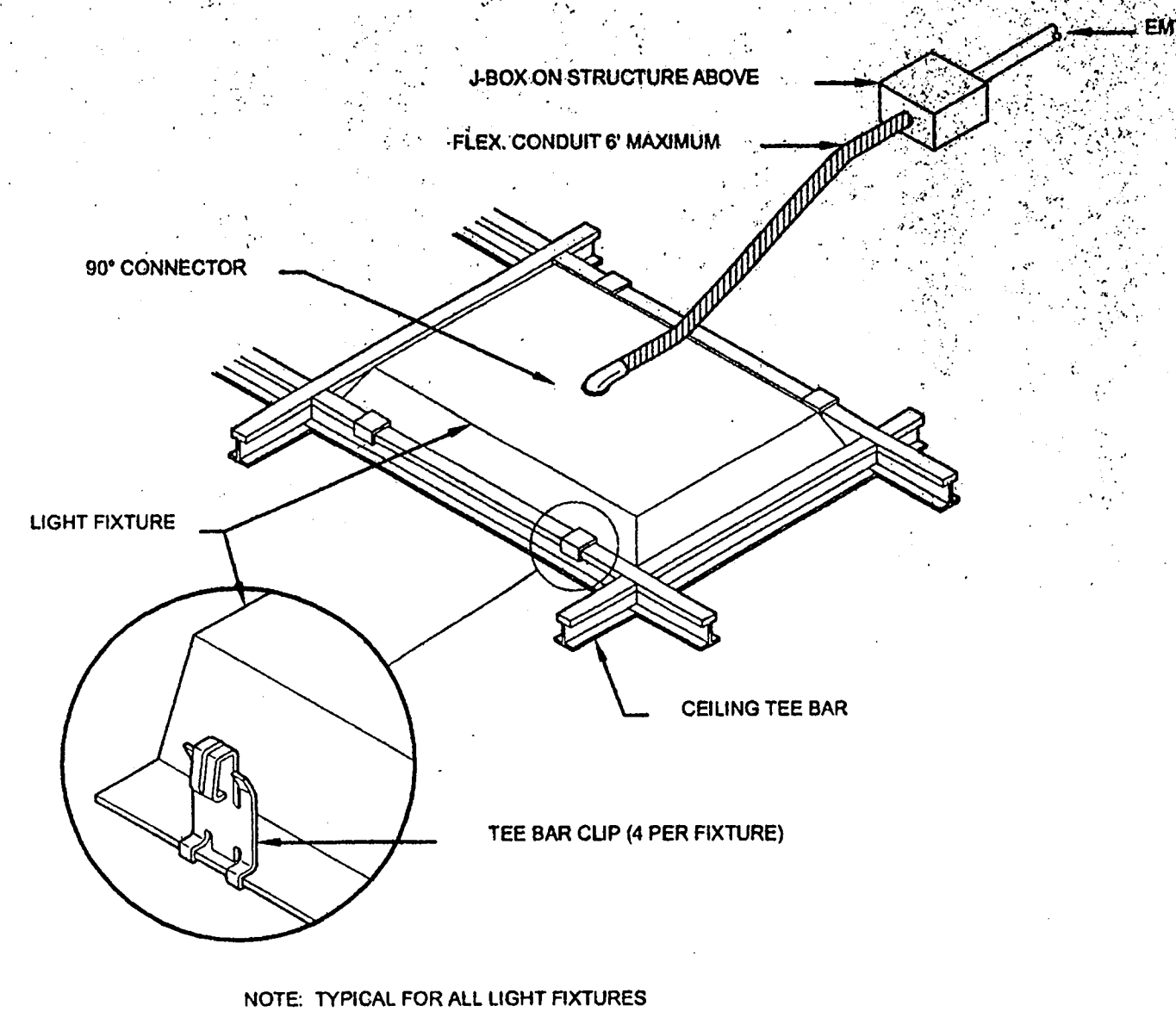
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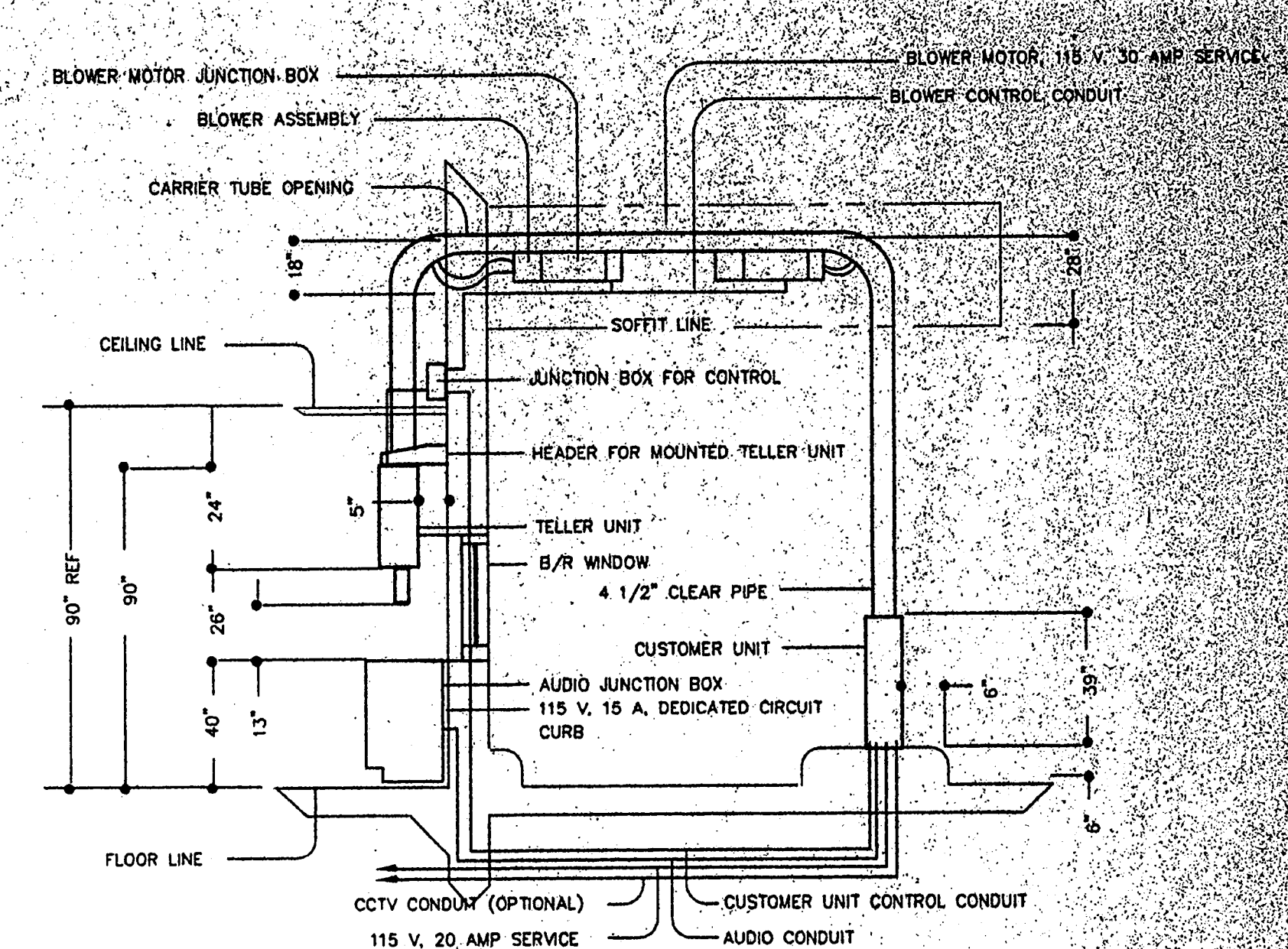
PANELBOARD LABELING DETAIL NO SCALE



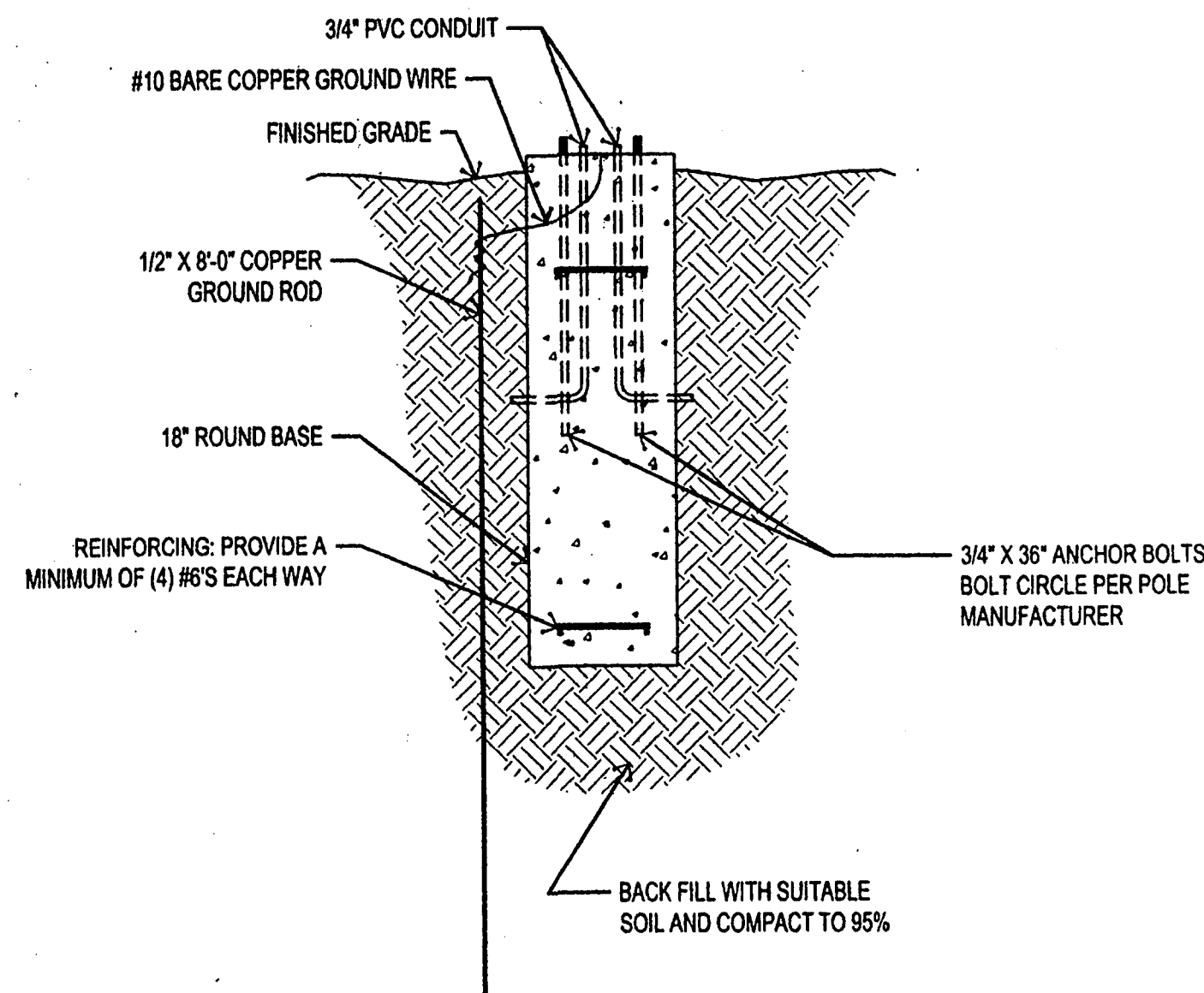
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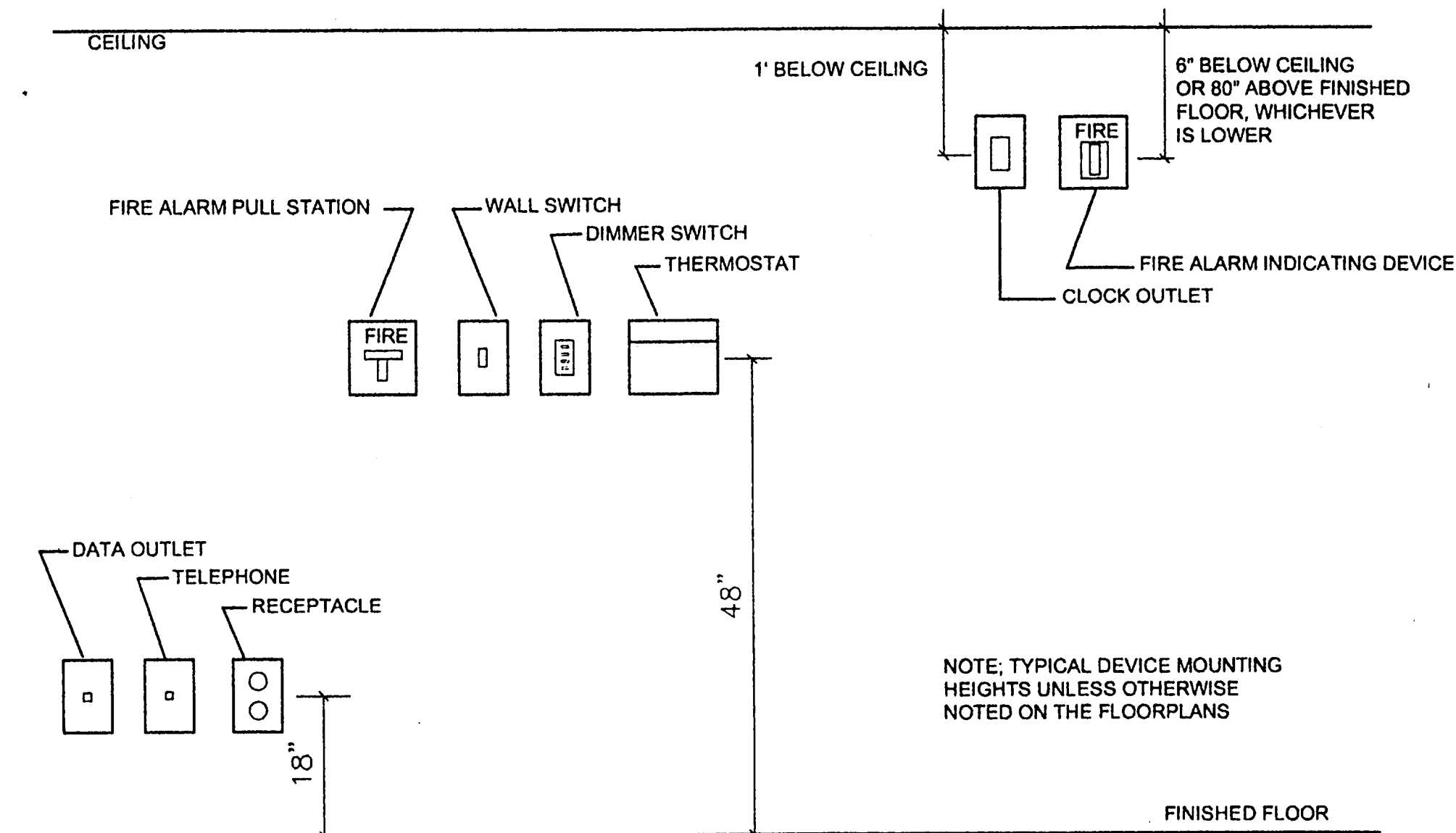
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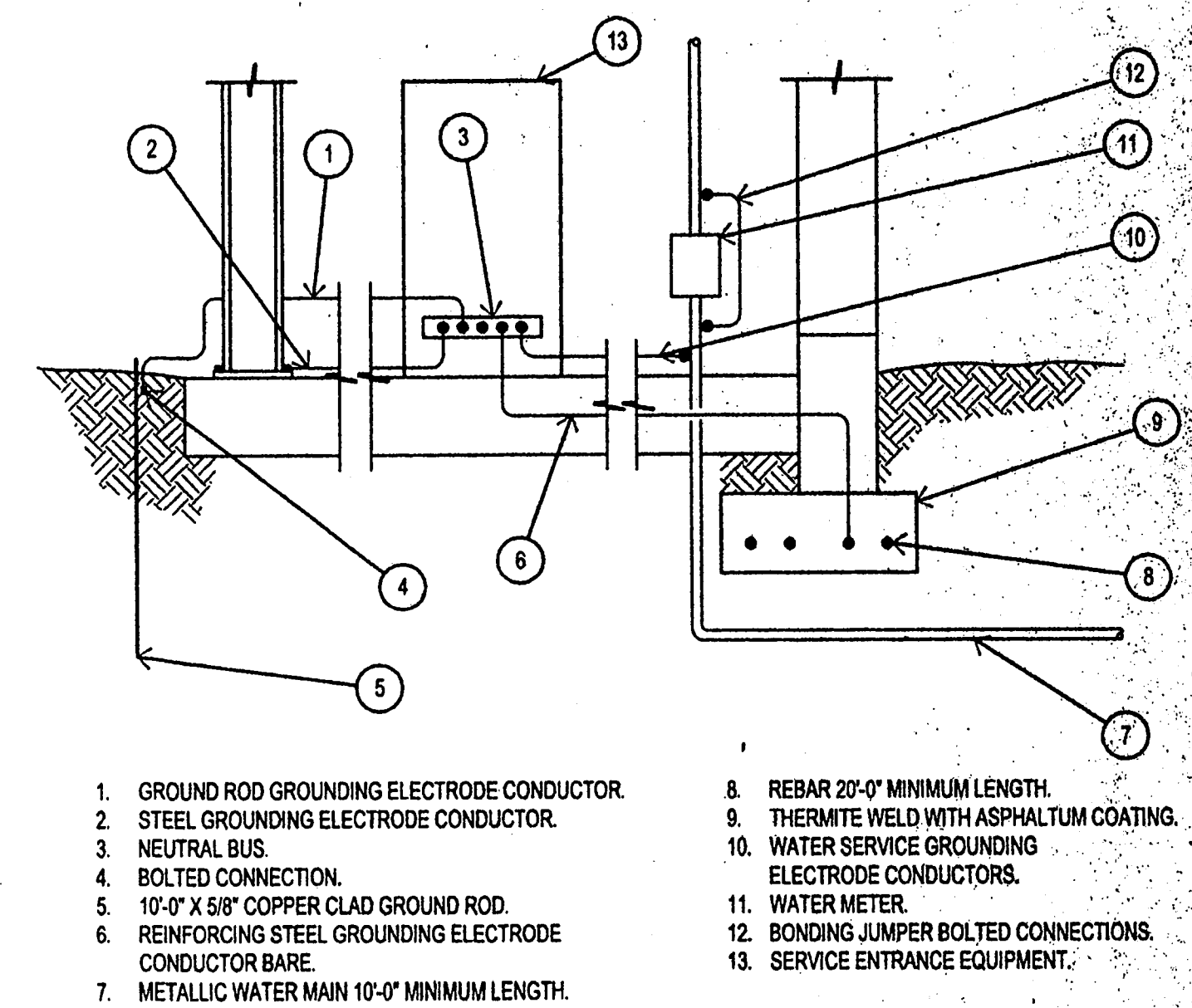
DRIVE-UP UNIT ELECTRICAL DETAIL NO SCALE



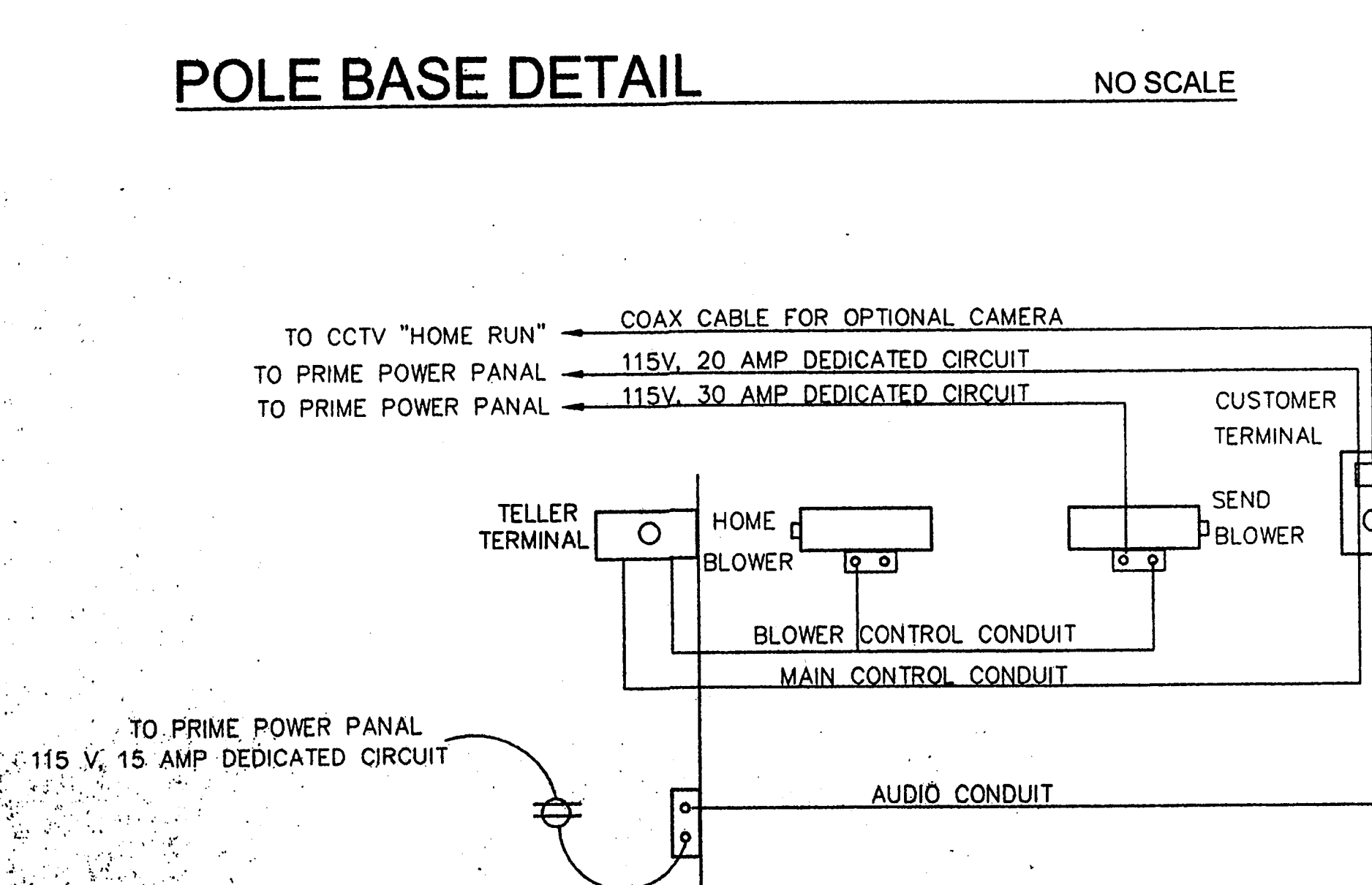
POLE BASE DETAIL NO SCALE



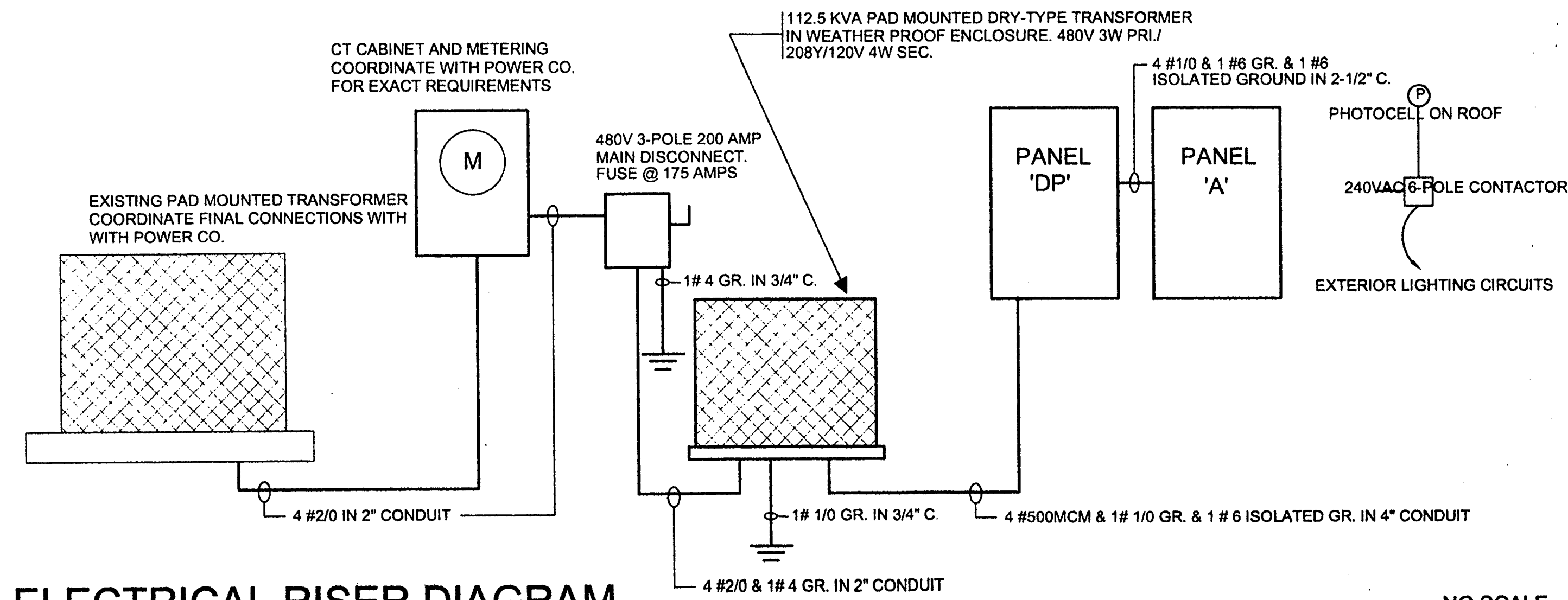
DEVICE MOUNTING HEIGHT DETAIL NO SCALE



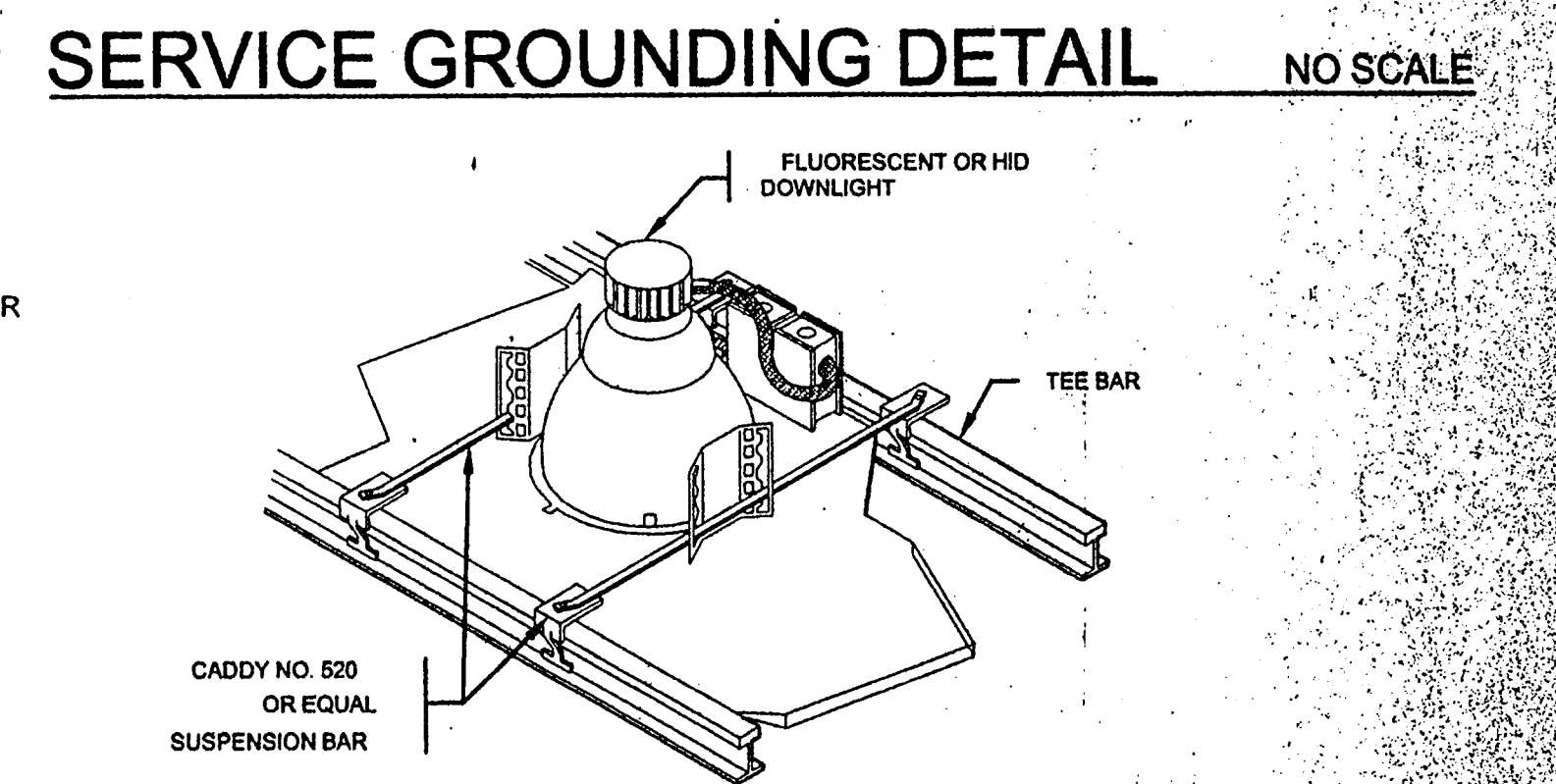
SERVICE GROUNDING DETAIL NO SCALE



DRIVE-UP UNIT BLOCK DIAGRAM NO SCALE

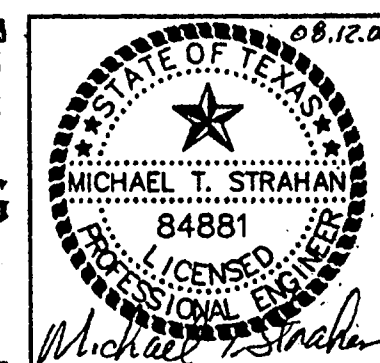


ELECTRICAL RISER DIAGRAM NO SCALE



RECESSED CAN LIGHT DETAIL NO SCALE

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SECTION 16A - GENERAL:

- The work shall include furnishing and installing all electrical work, including final connections to all devices and placing them in service. All work shall conform to local, state, and national codes as interpreted by the authorities having jurisdiction. All materials shall be UL labeled and listed.
- Comply with requirements of the 1996 National Electrical Code in the construction and installation of all work.
- All major electrical service equipment specified herein shall be Square D. This includes panelboards, disconnect switches and circuit breakers. Obtain Owner's approval for substitutions.
- All equipment shall be installed in a location and manner that shall allow for convenient access for maintenance and inspection. Access doors and panels in walls and ceilings shall be provided as required for concealed equipment, controls and boxes.
- Make all payments for fees, permits and deposits for electrical work. Coordinate with local electrical utility to provide all equipment and pay all costs required to extend underground service from power company facilities to building including meter bases and conduit for meter conductors, CT meter cabinets, and other equipment deemed necessary by the utility company.

SECTION 16B - MATERIALS:

16B.1 CONDUITS

- Underground Plastic Conduit:** Type 40, heavy wall, high impact rigid virgin polyvinyl chloride (PVC) conduit and fittings, conforming to NEMA Publications TC2 and TC3 and UL listed for direct burial use: Carlon or equivalent. Type 80 PVC to be used under driveways.
- Rigid Steel Conduit:** Rigid, threaded, thick-walled; galvanized inside and outside or galvanized outside with a protective coating inside: UL listed and labeled according to Standard UL6; conforming to ANSI Standard C80.1; Pittsburg, Republic Steel, Robroy or Allied.
- Electrical Metallic Tubing (EMT):** Steel tubing, galvanized outside and provided with a slick corrosion resistant interior coating; UL listed and labeled according to Standard 797; conforming to ANSI Standard C80.3; Pittsburg, Republic Steel, Robroy or Allied.
- Flexible Metal Conduit:** Spirally wound with hot dip galvanized steel strips (commercial Greenfield); conforming to UL Standard UL1 and UL listed and labeled; Triangle Conduit and Cable Company, or equivalent.
- Liquidtight Flexible Metal Conduit:** Spirally wound, galvanized steel strips, as for flexible metal conduit; with polyvinyl chloride cover extruded over the exterior to make conduit liquidtight; UL listed, Electri-flex type "LA" or equivalent.

16B.2 CONDUIT FITTINGS

- Couplings and Terminations for Rigid Steel conduit:** Factory made steel threaded couplings; bushing at all boxes and cabinets, with locknuts inside and outside box or cabinet.
- Couplings and Terminations for Electrical Metallic Tubing:** Join lengths of EMT with steel, compression type couplings and connectors here possible. Otherwise use set-screw fittings.
- Couplings and Terminations for Flexible Metal Conduit:** T&B 440 Series couplings at connections between flexible and rigid conduit; T&B 3110 or 3130 Series nylon insulated throat, steel connectors at box or cabinet terminations.

16B.3 OUTLET BOXES

- Sheet Steel Boxes:** Sheet steel not lighter than No. 14 gauge, galvanized after fabrication: Raco, Steel City or Appleton.
- Cast Metal Boxes:** Cast iron or Cast alloy with threaded hubs: Crouse-Hinds, Appleton or Pyle National.

16B.4 PULL BOXES AND JUNCTION BOXES

- Sheet steel, galvanized inside and outside, with galvanized covers.
- Small boxes:** For boxes where the volume required is not over 100 cubic inches, use standard outlet boxes.
- Larger Boxes:** For boxes where the volume required is over 100 cubic inches, use cabinets as specified for panelboard cabinets with covers of same gauge as boxes, secured with corrosion resistant bolts or screws.

16B.5 CONDUCTORS (600 VOLTS AND UNDER)

- Type:** Soft drawn, annealed copper, UL listed, rated at 600 volts, Okonite, Triange, Anaconda or Simplex No. 8 and larger shall be stranded: No. 10 and smaller may be solid.
- Insulation:** Branch circuits shall have type THHN insulation. Service feeders shall be type THHN or THWN. Feeder circuits shall be Type THHN.

6.1 Stranded Copper Conductors: UL approved solderless bolted pressure connectors or Thomas and Betts Series 54000 compression connectors. All connectors shall be properly sized to match conductor sizes. All compression connectors shall be applied with properly sized dies and tools.

6.2 Solid Copper Conductors: UL approved solderless bolted pressure connectors: or UL approved electrical spring connectors of "Scotchlok", Ideal or T&B "Piggy" make.

SECTION 16C - COLOR CODING:

- Phase conductors shall be black, red, and blue for phases A, B, and C respectively in the 208 volt system.
- Neutral conductors shall be white or gray. Grounding conductors shall be green.
- Switch legs shall be black with white, red with white or blue with white depending on phase.
- All wiring No. 8 and larger shall be black and be marked with color banding tape as specified. All phase conductors, neutral and equipment ground conductors shall be marked with colored tape. Apply marking at each termination and every four feet of wiring in raceways.

SECTION 16D - WIRING DEVICES:

16D.1 WALL SWITCHES

DEVICE CATALOG NO.

1.1 Single Pole Wall Switch	Hubbell	1203-1
1.2 Three-way Wall Switch	Hubbell	1203-1

16D.2 RECEPTACLES

- Receptacle, 20 Ampere, 125 Volt, 2 Pole, 3 Wire Grounding Duplex:** Hubbell No. 5362 or 5262-1 (NEMA 5-15R).
- Receptacle, 15 Ampere, 125 Volt, 2 Pole, 3 Wire Grounding Duplex with Self-Contained Ground Fault Circuit Interrupter:** Hubbell No. GH-5262.
- Outdoor Receptacle with Self-Contained Ground Fault Circuit Interrupter:** Hubbell No. GF-5262 in FS or FD cast box with gasketed lift covers.

16D.3 COVERPLATES

- Hubbell "P" line nylon wall plates shall be used except in unfinished or machinery spaces, where plates shall be galvanized steel if surface mounted. All switches controlling motorized equipment shall have engraved nameplates. Wall plates may be stainless steel at owner's option.
- Provide engraved coverplates as required by Owner.

SECTION 16E - PANELBOARDS:

16E.1 MATERIALS

- Panelboard Cabinets:** Furnish and install cabinets to serve the various panelboards, of sizes as required to house the panelboards. Cabinets shall be rigidly constructed of sheet steel of gauges conforming to Underwriters' Laboratories Inc. requirements; corners over-lapped or welded; edges turned over to receive trim.
- Cabinet Fronts:** Cut from single sheet of not less than No. 12 gauge cold-rolled sheet steel; fastened in place by adjustable trim clamps which will allow plumbing; same size as the cabinet box if surface mounted; size to overlap the box a minimum of 3/4" on all sides if flush mounted. Provide each door with a substantial flush, cylinder tumbler lock and catch. On doors more than 48" high provide a combination three point catch and lock with T-handle. Provide each lock with two keys, with all locks keyed alike.
- Finish:** All back boxes galvanized; all exposed metal, including fronts, primed and finished in gray lacquer.
- Where a circuit protective device is scheduled as a "spare", provide the device complete for operation. Where such a device is scheduled as a "space" or "space only", provide proper space and all necessary connectors for future installation of the size of device scheduled. Where a breaker or switch is scheduled to serve a "future" load, provide the device complete for operation.
- All circuit breakers shall be quick make, quick break, trip free, thermal magnetic, indicating type unless noted otherwise. Branch circuit breakers shall be fully interchangeable without disturbing adjacent units.
- Connect all circuit interrupting devices with sequence phasing.
- Provide each panelboard with a neatly typewritten directory of circuits mounted in a cardholder on the inside of the panelboard cabinet. Cover directory with transparent sheet plastic.
- All panelboards shall be listed by Underwriters' Laboratories Inc.
- Provide each panelboard with a factory engraved nameplate which shall identify the panelboard name.

1. Panelboards shall have the number and size of bolted-in circuit breakers as scheduled. Panels shall be Square D, type NQOD with bolt-on breakers as required for the interrupting ratings scheduled or equivalent.

SECTION 16F - LIGHTING CONTACTORS:

- Electrically held with 120 volt coil in NEMA I Enclosure.
- Allen Bradley, ASCO, Square D.
- Control for contractor shall be photocell and optionally, remote switch mounted at owner specified location.

SECTION 16G - INTERIOR LIGHTING FIXTURES:

16G.1 MATERIALS

- Provide and install a lighting fixture on each and every lighting outlet shown. Furnish fixtures in accordance with the designations on the drawings and as specified herein. All features specified or scheduled for fixtures shall be provided, even if the catalog number given in the specifications or schedule lacks the required numerals, prefixes or suffixes corresponding to the features called for.
- All lighting fixtures shall bear the label Underwriters' Laboratories Inc.
- Provide electronic ballasts and T-8 lamps for all fluorescent fixtures where possible.
- Fixtures shall comply with ANSI 132.1.

16G.2 BALLASTS

- Ballasts shall have a minimum power factor of 85 % and total harmonic distortion not to exceed 16%.
- All rapid start ballasts installed in an interior space shall be energy saving. The ballast shall be high power factor, UL labeled, with automatic reset features and "A" sound rating. Ballasts mounted outside shall be rated for full operation at -20 Degrees F.

16G.3 LAMPS

- Fully equip each fixture with a full set of new lamps at the completion and acceptance of the work; lamps shall be General Electric, Westinghouse of Sylvania. Incandescent lamps shall be inside frosted unless specified or recommended otherwise by the fixture manufacturer. Fluorescent lamps shall be 3500 degree k lamps for interior fixtures.

SECTION 16H - MOTORS:

- All motors will, unless otherwise noted, be furnished under other Divisions of the specifications, or will be furnished by the Owner. Where motors are mounted integrally with items of equipment, they will be erected in place with such equipment ready for equipment ready for electrical connection.

SECTION 16I - MOTOR STARTERS:

- All motor starters (controllers) will, unless otherwise noted, be furnished under other divisions of the specifications, or will be furnished by the Owner.
- Install under this Division, including supporting structures, all motor starters and control equipment which are not shipped integrally mounted with the controlled equipment. Provide and install all wiring of every character, for both power and control, except that which is factory installed and shipped as an integral part of assembled equipment.

SECTION 16J - DISCONNECT SWITCHES:

- Disconnecting switches shall be manufactured by Square D. Switches shall be heavy duty, enclosed type, rated for 250 volts. Switches used as service switches shall bear a UL service entrance label and nameplate shall so indicate.
- Fused switches shall have rejection type fuseholders. Fuses for power equipment shall be UL RK-5 dual element, time delay, current limiting, Buss FRN-R/FRS-R equivalent.

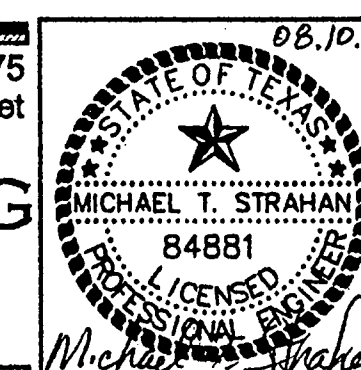
SECTION 16K - EXECUTION:

16K.1 EXCAVATION

- Perform all excavation work required in connection with the installation of the work under this Division. After the electrical work has been installed, tested and approved, backfill all sidewalks, streets and other pavement and repairing the openings in them to return to the surface to approximately its original condition.

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1.2 Perform all excavations of every description of whatever substances encountered and to the depths required for installation of the work.

1.3 During excavation, stack material suitable for backfilling in an orderly manner a sufficient distance from the banks of the trenches to prevent slides or cave-ins. Remove all excavated material not required or suitable for backfill, or waste as directed. Control grading to prevent surface water from flowing into excavations and remove any water accumulating therein by pumping.

1.4 Use open-cut grading and make trenches of the necessary width for proper installation of the lines with banks as nearly vertical as possible.

1.5 Grade the bottom of trenches accurately to provide uniform bearing and support for conduit or duct on undisturbed soil at every point along its entire length.

16K.2 BACKFILLING

2.1 Carefully backfill trenches with earth, sandy clay, sand and gravel, safe shale or other approved material free from large clods of earth or stone, deposited in thoroughly and carefully rammed 6-inch layers. Do not use blasted rock. Compaction with water will be permissible and will be a requirement when so directed. Re-open any trenches improperly filled or where settlement occurs to the depth required for proper compaction, the refill, mound over and smooth off.

2.2 Backfill open trenches across roadways or other areas to be paved as specified above except that the entire depth of trench shall be backfilled in 6-inch layers; each layer moistened and compacted to a density of not less than 95 % Standard Proctor in such manner as to permit the rolling and compaction of the filled trench together with the adjoining earth to provide the required bearing value and permit paving of the area immediately after backfilling is completed. Along all other portions of the trenches, grade the ground to a reasonable uniformity and leave the mounding over the trenches in a uniform and neat condition.

16K.3 INSTALLATION OF UNDERGROUND PLASTIC CONDUIT

3.1 Plastic conduit approved for direct burial (Schedule 40) may be used in or under slab-on-grade or for underground branch circuits if local codes permit. Minimum size is 3/4 inch.

3.2 Install exterior conduits 24 inches below finished grade unless noted to the contrary. Assemble and install raceways in accordance with manufacturer's instructions. Make joints with couplings and solvent cement. Fabricate bends of 30 degrees or more with factory-made elbows, or make field bends with proper heating equipment. Bends showing signs of overheating or flattening are unacceptable. Ream ends of all conduit before joining.

3.3 Snake plastic conduit in trench, from side to side, with a complete cycle every 40 feet to allow for expansion and contraction. Maintain this configuration during backfilling.

3.4 Where conduit turns up out of earth, or floor slabs, change from plastic to rigid galvanized steel conduit below grade. Do not extend any plastic conduit above grade. Wrap all steel conduits and fittings buried in earth as specified elsewhere herein.

16K.4 INSTALLATION OF UNDERGROUND STEEL CONDUIT

4.1 All steel conduit in earth shall be rigid galvanized steel conduit. Wrap such conduit with 3M Company 0.020 inch thick No. 51 "scotchwrap" vinyl plastic tape, half lapped to give a double thickness wrap. Remove all oil, grease and dirt from conduit with a suitable solvent, and clean and dry conduit before wrapping. If conduit is pre-wrapped in the shop and then cut and joined on the job, wrap all joints on the job, overlapping pipe wrapping 3" on both sides of joints.

16K.5 INSTALLATION OF BUILDING RACEWAYS

5.1 All wiring of every description shall be run in conduit or electrical metallic tubing unless noted or specified otherwise. Conduits may be run exposed in machinery and electrical rooms and unfinished areas. All other conduits shall be run concealed unless otherwise noted. All exposed runs shall be installed parallel to the surface of the building in a neat and orderly manner.

5.2 Types: All conduits installed on roofs shall be rigid galvanized steel conduits. Above grade interior conduits shall be electrical metallic tubing. Conduits installed below grade in slabs or buried in earth shall be PVC or rigid galvanized steel. Ent is not allowed.

5.3 Connections: Use lengths of flexible metal conduit, not less than 12" long at final connections to all motors, controls and other devices subject to movement because of vibration or mechanical adjustment. Use flexible metal conduit also at connections to recessed lighting fixtures, and elsewhere as required. In damp or wet locations, and where installed outdoors, use liquid flexible metal conduit.

5.4 Penetrations: Wherever raceways pass through floors, walls, partitions, etc., carefully fill any space between the outside of the raceway and the building material to prevent passage of air, water, smoke, and fumes. Filling material shall be fire resistive and, in general, similar to the basic building materials through which the raceway passes.

16K.6 CONDUIT SUPPORTS

6.1 Support Spacing: Use minimum spacing as directed by National Electrical Code, but space hangers more closely where required by conditions.

6.2 Individual Conduits: Support conduits running vertically or horizontally with galvanized malleable iron one-hole clamps. Carry individual supported horizontally conduits 1-1/4" and larger on Kindorf No. 150 or Steel City No. C-149 hangers. Use non perforated strap iron as hanger material. Where conduits smaller than 1-1/4" are installed above non-removable type ceilings, they may be supported on ceiling runner channels.

6.3 Multiple Conduits: Where multiple raceways are run horizontally at the same elevations, they may be supported on trapezes formed of sections of Unistrut angle iron or channels suspended on rods or pipes. Size trapeze members including the suspension rods for the number size and loaded weight of the conduits they are to support. Space them as required for the smallest conduit supported.

16K.7 INSTALLATION OF OUTLET BOXES

7.1 Usage: provide at each outlet or device of whatever character a metal outlet box in which conduits shall terminate.

7.2 Boxes Recessed In Construction: Cast metal boxes.

7.3 For Wall Switches, Receptacles and Communications Use: Use 4"x4" size with proper square cornered tile wall cover, plaster cover, or finishing plate, except where construction will not permit or the device requires a larger box.

7.4 Boxes for Exposed Work: Cast metal boxes.

7.5 Boxes for Outdoors: Cast metal boxes with gasketed covers.

16K.8 WIRE PULLING

8.1 Wire Pulling: Provide suitable installation equipment for pulling conductors into raceways or conduits. Use ropes of polyethylene, nylon or other suitable material to pull in conductors. Attach pulling lines to conductors by means of woven basket grips or by pulling eyes attached directly to conductors. All conductors to be installed in a single conduit shall be pulled in together.

8.2 Cable Lubricants: All cable lubricants shall be UL listed, and shall be certified by their manufacturer to be non-injurious to the insulation on which they are used.

16K.9 INSTALLATION OF BUILDING WIRE (600 VOLTS AND UNDER)

9.1 Feeders: Run all feeders their entire length in continuous pieces without joints or splices, insofar as practical.

9.2 Sizes: No wire shall be smaller than No. 12 except for signal or control circuits, and except for individual lighting fixture taps as permitted by the National Electrical Code.

9.3 Identifying Tags: Nonferrous; stamped to clearly identify each circuit. Securely fasten tags to all cables, feeders and power circuits in pull boxes, lighting, power and distribution panelboards, etc.

9.4 Bundling Conductors: Bundle all conductors in panelboards, cabinets and the like, using marlin twine lacing or nylon straps made for the purpose. Bundle conductors larger than No. 10 in individual circuits. Bundle smaller conductors in larger groups.

16K.10 MOUNTING HEIGHTS

10.1 Where mounting heights are indicated on the drawings, the device shall be installed with the centerline of the device at the indicated height.

10.2 In general, devices which are shown to be installed at counters or other millwork, unless noted. Wall switches shall be installed on the strike side of the door as finally hung.

10.3 Unless otherwise noted on the drawings, or directed by the Owner, install devices at the following heights.

DEVICE	MOUNTING HEIGHT
Wall Switch	4'-0"
Receptacle	18"
Telephone Outlet	18"

10.4 Observe all ADA requirements when mounting devices in areas designated as "handicap".

SECTION 16L - SERVICE CONNECTIONS:

1. Verify power company services requirements for this project.

2. Pay all power company charges for the underground electrical service. Secure price from local utility company.

SECTION 16M - LOAD BALANCING:

1. The contractor shall carefully balance his electrical loads between the various phases. When the facilities are under use at their heaviest loading periods, tests shall be run on the "hot" conductors in each feeder to a panel and any unbalance shall be corrected to a point that no conductor's load shall be more than 10 % high or low (maximum unbalance of 20 %) in amperes.

SECTION 16N - SERVICE AND EQUIPMENT GROUNDING:

1. Provide adequate and permanent service neutral and equipment grounding in accordance with the National Electrical Code, and subject to the following additional requirements.

2. Connect the service ground and equipment ground to a common point within the metallic enclosure containing the main service disconnecting means. From the common point of connection of the service ground and equipment ground, run in conduit a combined service and equipment grounding conductor without joint of splice to the main water service pipe and connect it thereto with an approved bolted pressure clamp. Clean all contact surfaces thoroughly before connection, to assure good metal to metal contact. Bond the conduit to the grounding conductor at each end. Supplement the water pipe ground with an additional electrode which shall be 10' long by 3/4 inch diameter copper clad steel ground rod. Attach the electrode to the water pipe and to the service/equipment grounding conductor.

3. Size grounding conductors in accordance with National Electrical Code Tables 250-94 and 250-95.

4. The building structure steel frame shall be grounded to the building service ground electrode, using the conductor size specified in National Electrical Code Section 250-94 (a).

SECTION 16O - GROUNDING RACEWAYS:

1. Assure the electrical continuity at all metallic raceway systems, pulling up all conduits and/or locknuts wrench tight. Where the flexible metallic conduit is employed, provide a green-insulated grounding jumper installed in the flexible conduit. Install a separate green-insulated conductor in each nonmetallic conduit.

2. Provide grounding bushings on all service raceways terminating within panelboards, cabinets, and all other enclosures. Provide grounding conductors from such bushings to the frame of the enclosure and to the ground bus or equipment grounding strap. Size grounding conductors in accordance with NEC Table 250-95.

SECTION 16P - EQUIPMENT GROUNDING CONDUCTORS:

1. Provide a separate, green-insulated copper grounding conductor, with insulation of the same rating as phase conductors, for each feeder and for each branch circuit indicated. Install the grounding conductor in the same raceway with the related phase and neutral conductors, and connect the grounding conductor to pull boxes at intervals of 100 feet or less, to each raceway. Connect all grounding conductors to bare grounding bars in panelboards, and to ground buses in service equipment to the end that there will be an uninterrupted grounding circuit from the point of a ground fault back to the point of connection of the equipment ground and system neutral. Size all these grounding conductors per NEC Table 250-95.

SECTION 16Q - EQUIPMENT WIRING:

1. Connect complete for operation all items of heating and air conditioning, and all other electrical devices furnished by the Owner of under other Divisions of the specifications. Outlets of various types have been indicated at equipment locations, but no indications of exact location or scope of the work are shown on the drawings. Refer to the Owner and to the various Contractors for the work under the other Divisions for the scope of connections to equipment furnished by them and for the exact locations of all items.

2. Where disconnect switches or circuit breakers are not provided integral with control equipment for motors and other electrical apparatuses, provide and install all disconnect switches required by the National Electrical Code and/or as indicated.

SECTION 16R - TEMPERATURE CONTROL:

1. Completely connect for operation all items for temperature controls which require electrical connections, furnishing all wiring, conduit and labor. All control wiring, including thermostat wiring, shall be in conduit.

SECTION 16S - COMMUNICATION AND COMPUTER CIRCUITS:

1. Provide and install conduit to and outlet boxes for telephone outlets shown on drawings. Installation of the system will be by others.

2. Provide and install conduit and outlet boxes as required by Owner for computer system and security systems. Verify requirements with Owner.

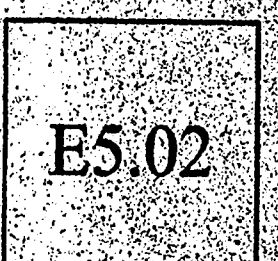
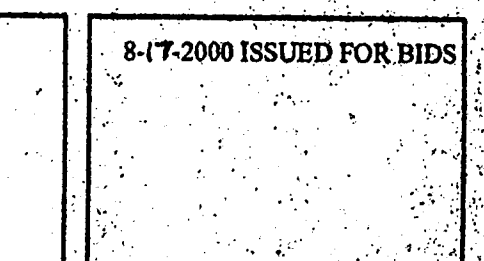
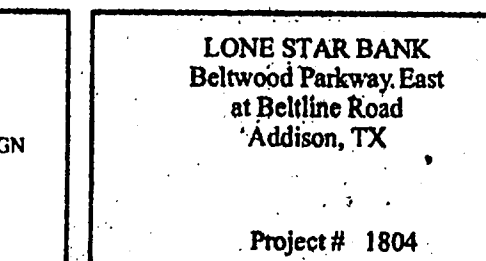
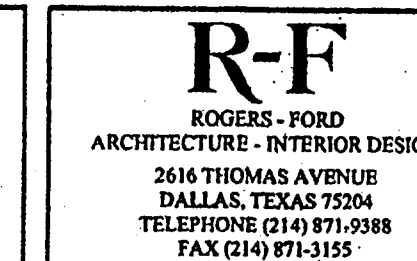
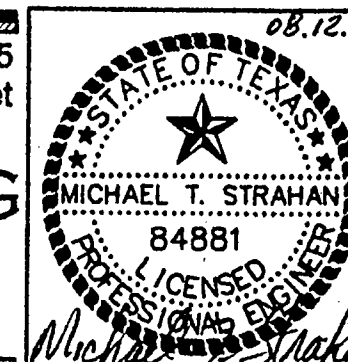
3. Pull wires shall be installed in all computer and security system and telephone conduits.

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LUBBOCK, TEXAS 79414



GENERAL NOTES

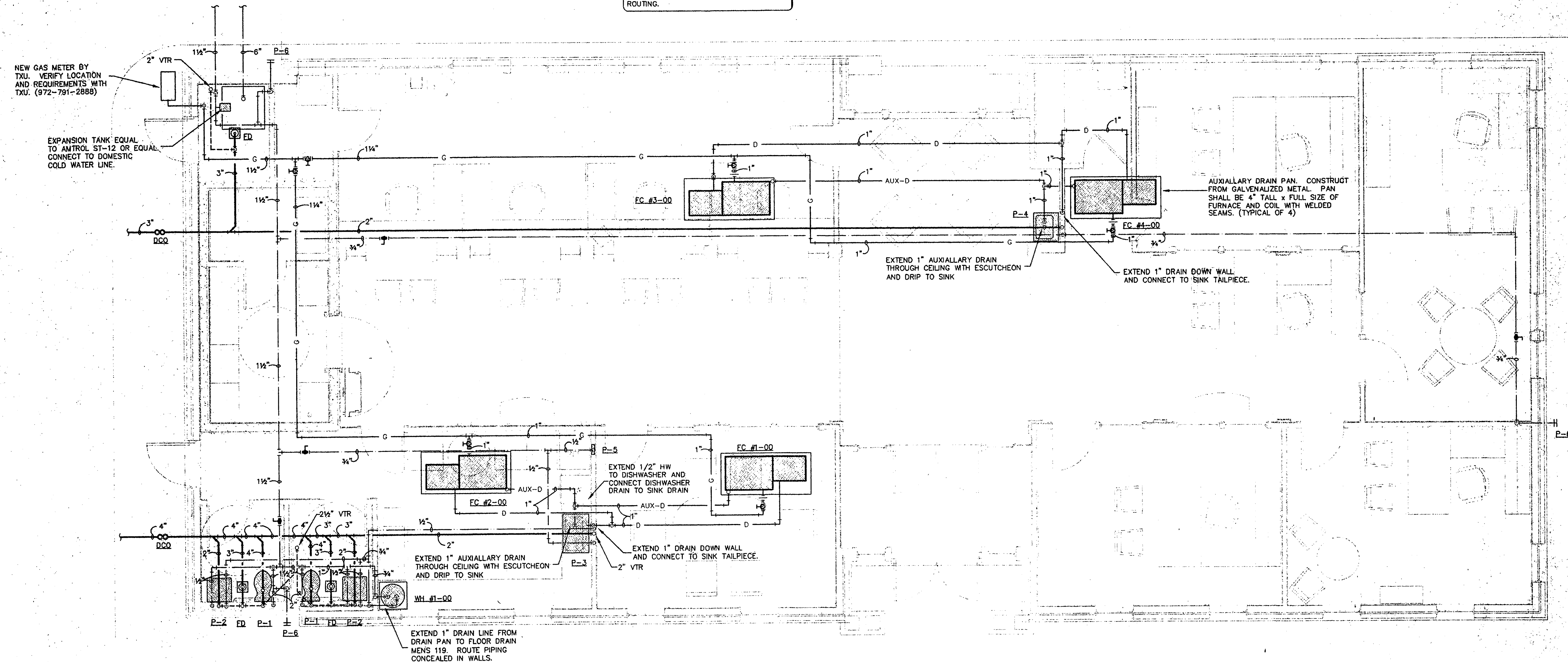
- A. REFER TO FIXTURE CONNECTION SCHEDULE FOR PIPING SIZE FOR INDIVIDUAL FIXTURES.
- B. ALL GAS UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH TXU AND THE TOWN OF ADDISON PUBLIC WORKS DEPARTMENT. TXU SHALL PERFORM ALL WORK UPSTREAM OF GAS METER AND THE CONTRACTOR SHALL PERFORM ALL WORK DOWNSTREAM OF GAS METER. THE CONTRACTOR SHALL PAY TXU FOR ALL CHARGES TO PERFORM THIS WORK.
- C. GAS METER SHALL BE SIZED TO PROVIDE 440 CFH GAS AT 8 OUNCES OF PRESSURE.

PLUMBING LEGEND

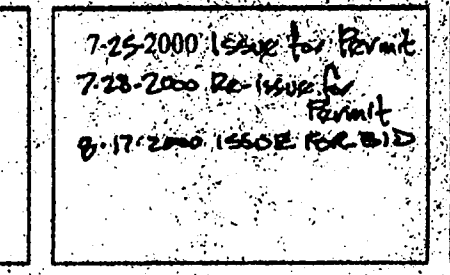
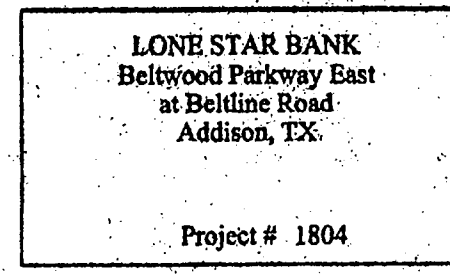
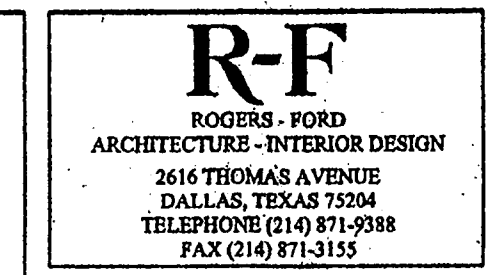
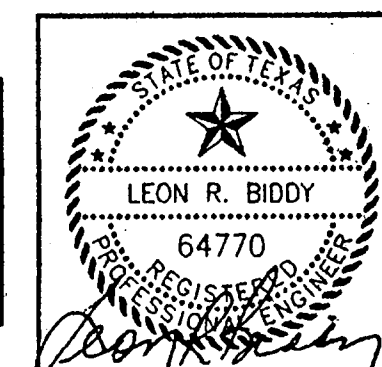
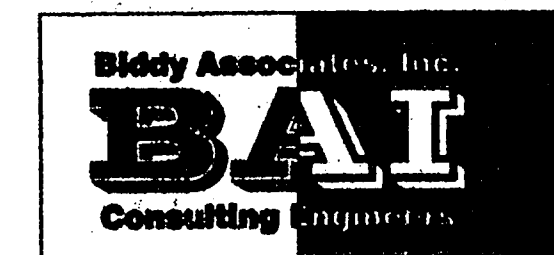
SYMBOL	DESCRIPTION
VTR	VENT THROUGH ROOF
---	SANITARY SOIL LINE
---	SANITARY VENT LINE
---	COLD WATER LINE
---	HOT WATER LINE
G	GAS LINE
WH	WATER HEATER
WCO	WALL CLEANOUT
CO	CLEANOUT
DCO	DOUBLE CLEANOUT
⊕	BALL VALVE
— —	UNION
— —	GAS COCK
D	DRAIN LINE
AUX-D	AUXILIARY DRAIN LINE

ROOF DRAINS

EXTEND 4" SCHEDULE 40 PVC PIPING TO TWO ROOF DRAINS. PROVIDE 4" BRASS DOWNSPOUT NOZZLE AT DISCHARGE. INSULATE PIPING EQUAL TO COLD WATER INSULATION SPECIFICATION. REFER TO SHEET A2.03 FOR ROOF DRAIN PIPING ROUTING.



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

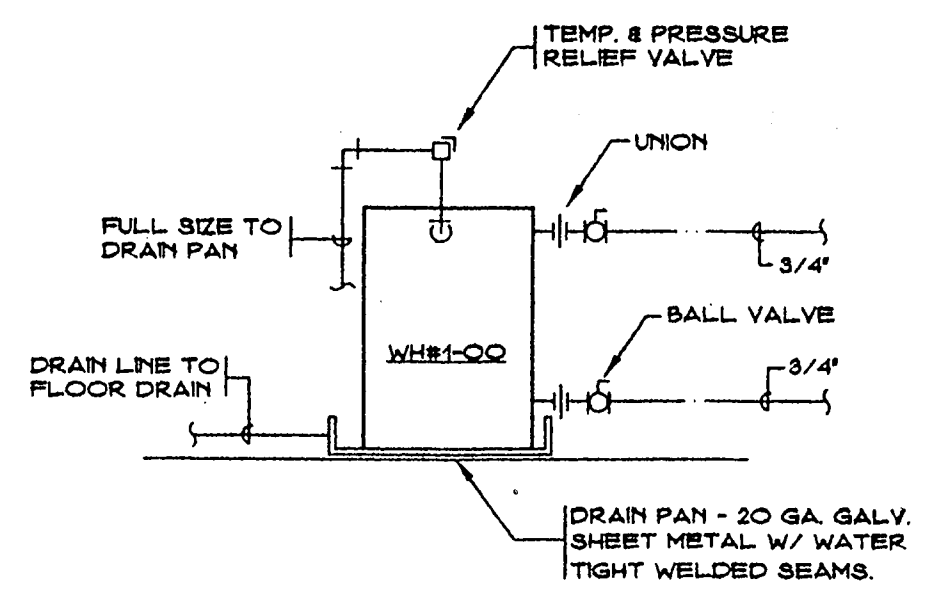


PLUMBING FIXTURE CONNECTION SCHEDULE

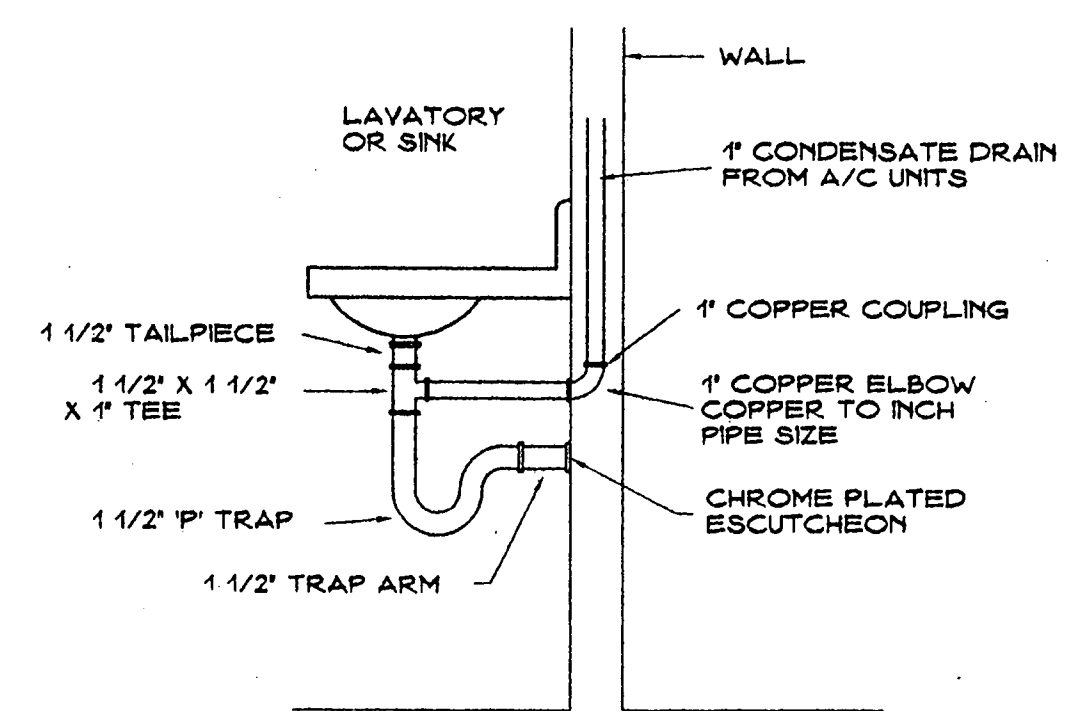
MARK	FIXTURE	CONNECTIONS			
		CW	HW	WASTE	VENT
P-1	WATER CLOSET, FLUSH VALVE	1-1/2"	---	4"	2"
P-2	LAVATORY	1/2"	1/2"	2"	2"
P-3, P-4	SINK	1/2"	1/2"	2"	2"
P-5	REFRIGERATOR BOX	1/2"	---	---	---
P-6	WALL HYDRANT	3/4"	---	---	---
FD	FLOOR DRAIN	---	---	3"	2"

PLUMBING FIXTURE SCHEDULE

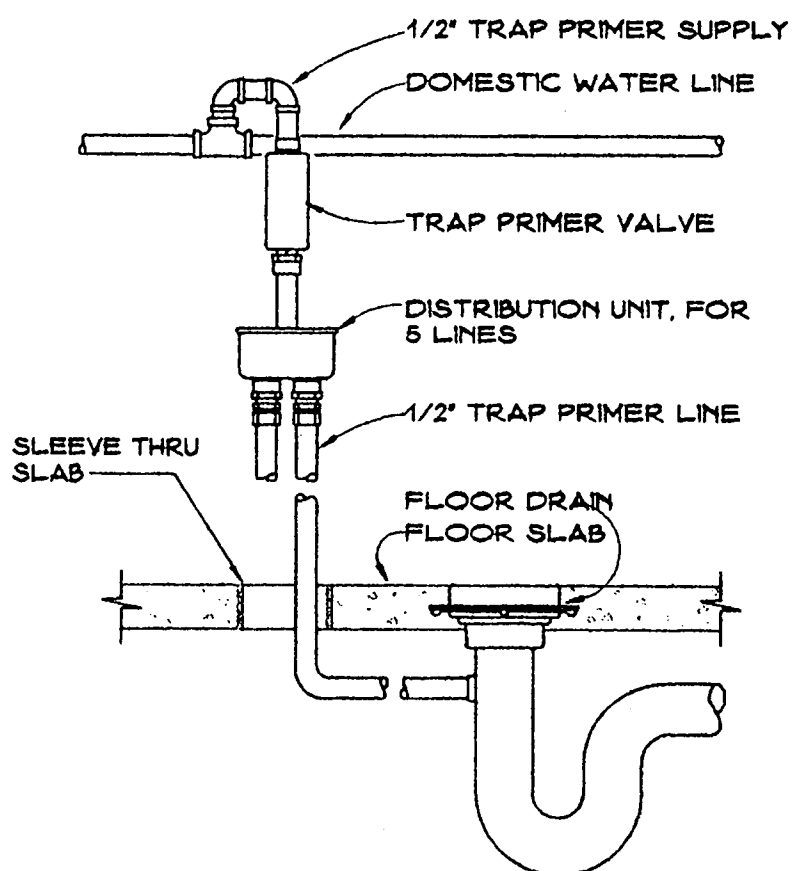
MARK	FIXTURE	MFR	CAT. NO.	REMARKS
P-1	WATER CLOSET (ADA)	ELJER	311-4815	FLOOR MOUNTED 1.6 GPF ELONGATED BOWL SPHON. LET SEAT
	FLUSH VALVE	BEMIS	19555SC	TOP OF SEAT 17" AFF. ADA COMPLIANT
P-2	LAVATORY (ADA)	SLOAN	ROYAL 111	20 1/2" X 27 1/2" WALL HUNG VITREOUS CHINA WHEELCHAIR LAVATORY WITH WIDESPREAD FAUCET 4" CENTERSET WITH WRIST BLADE HANDLES. TOP OF LAVATORY 34" AFF.
	FAUCET	ELJER	091-2984	
	STOPS & RISERS	ELJER	802-0320	
	TAILPIECE	ELJER	803-0360	
	P-TRAP	ELJER	804-1190	
	INSULATION	TRUESBO	#103	
P-3	SINK (DOUBLE COMPARTMENT)	ELKAY	LRAD-3322	33" X 21" X 6 1/2" DEEP, 18 GAUGE TYPE 302 STAINLESS STEEL WITH 4 HOLES. DECK MOUNTED FAUCET WITH HIGH ARC SWING SPOUT AND WRIST BLADE HANDLES
	FAUCET	ELJER	718-2080	
	STOPS & RISERS	ELJER	802-0320	
	TAILPIECE	ELJER	803-0360	
	P-TRAP	ELJER	804-1190	
P-4	SINK (BAR)	ELKAY	CDKAD-2517	15 1/2" X 14" X 6 1/2" DEEP, 20 GAUGE TYPE 302 STAINLESS STEEL WITH 1 HOLES. DECK MOUNTED FAUCET WITH HIGH ARC SPOUT AND SINGLE WING HANDLE
	FAUCET	ELJER	LK-2085-13-L	
	STOPS & RISERS	ELJER	802-0320	
	TAILPIECE	ELJER	803-0360	
	P-TRAP	ELJER	804-1190	
P-5	REFRIGERATOR BOX	GUY GRAY	BIM875	RECESSED STEEL BOX WITH 1/4" FIP INLET AND 1/4" OD OUTLET, COMPRESSION ANGLE VALVE
P-6	WALL HYDRANT	WOODFORD	B85	ANTI-SIPHON, AUTOMATIC DRAINING, FREEZELESS WALL HYDRANT, PROVIDE 2 KEYS
FD	FLOOR DRAIN	WADE	W-1103	W/ NICKLE BRONZE TOP AND TRAP PRIMER
WC	WALL CLEANOUT	WADE	W-8460-R	CLEANOUT TEE W/ BRASS PLUG AND S.S. ACCESS COVER
CO	FLOOR CLEANOUT	WADE	W-8000	W/ NICKEL BRONZE TOP AND "TY-SEAL" CONNECTION



UNDERCOUNTER WATER HEATER PIPING DETAIL
NO SCALE



SINK TAILPIECE DRAIN DETAIL
NO SCALE

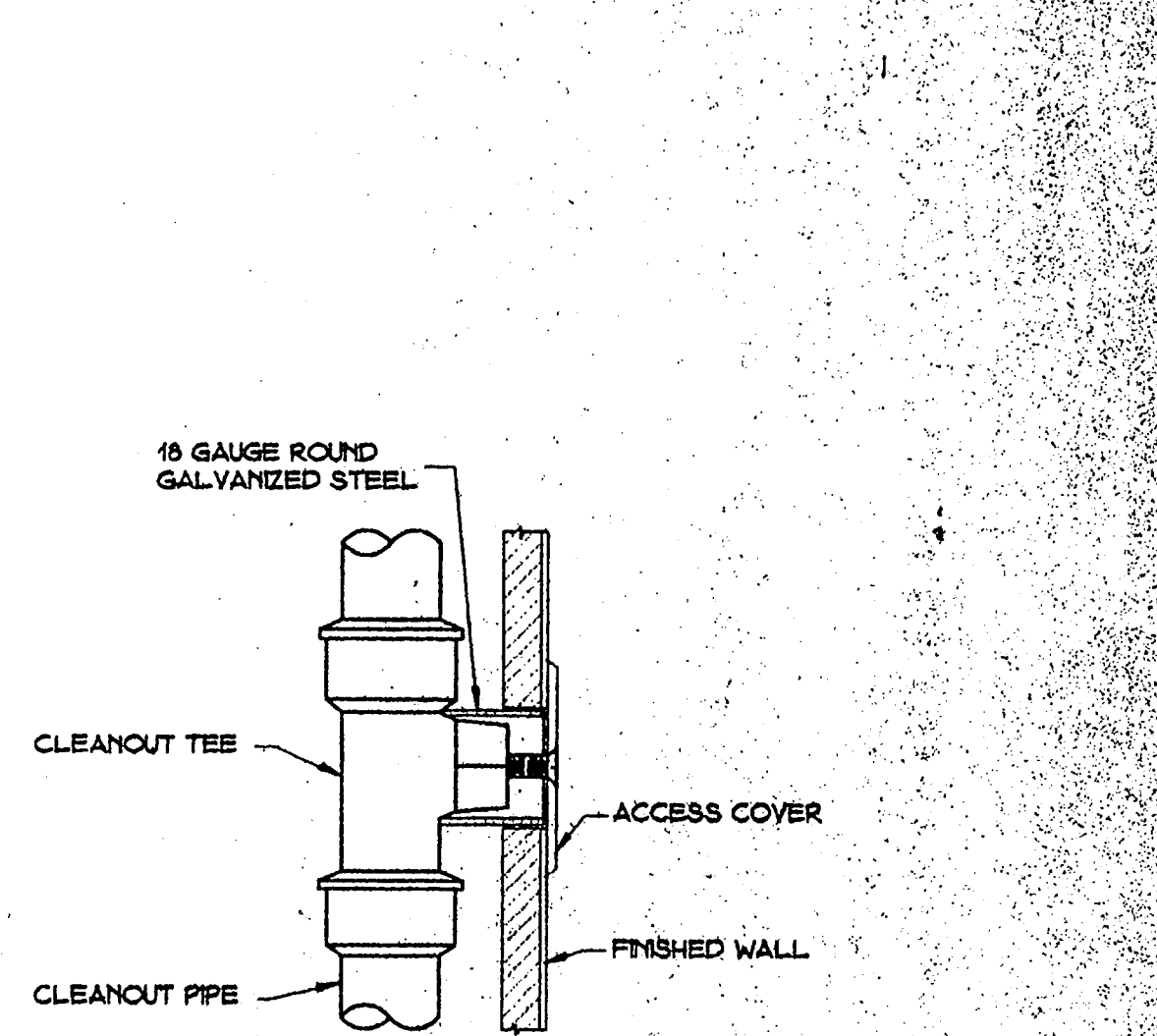


TRAP SEAL PRIMER DETAIL
NO SCALE

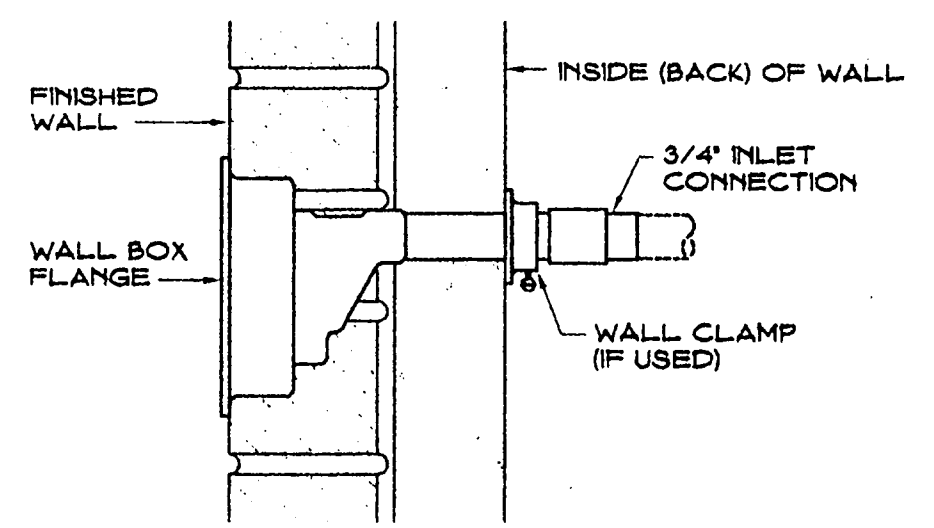
WATER HEATER SCHEDULE

MARK	TANK CAP.	FUEL	INPUT	ELEC. DATA	RECOVERY GPH	EXAMPLE
WH #1-00	20 GAL.	ELEC.	2000 W	208V S/P	8 GPH	RHEM

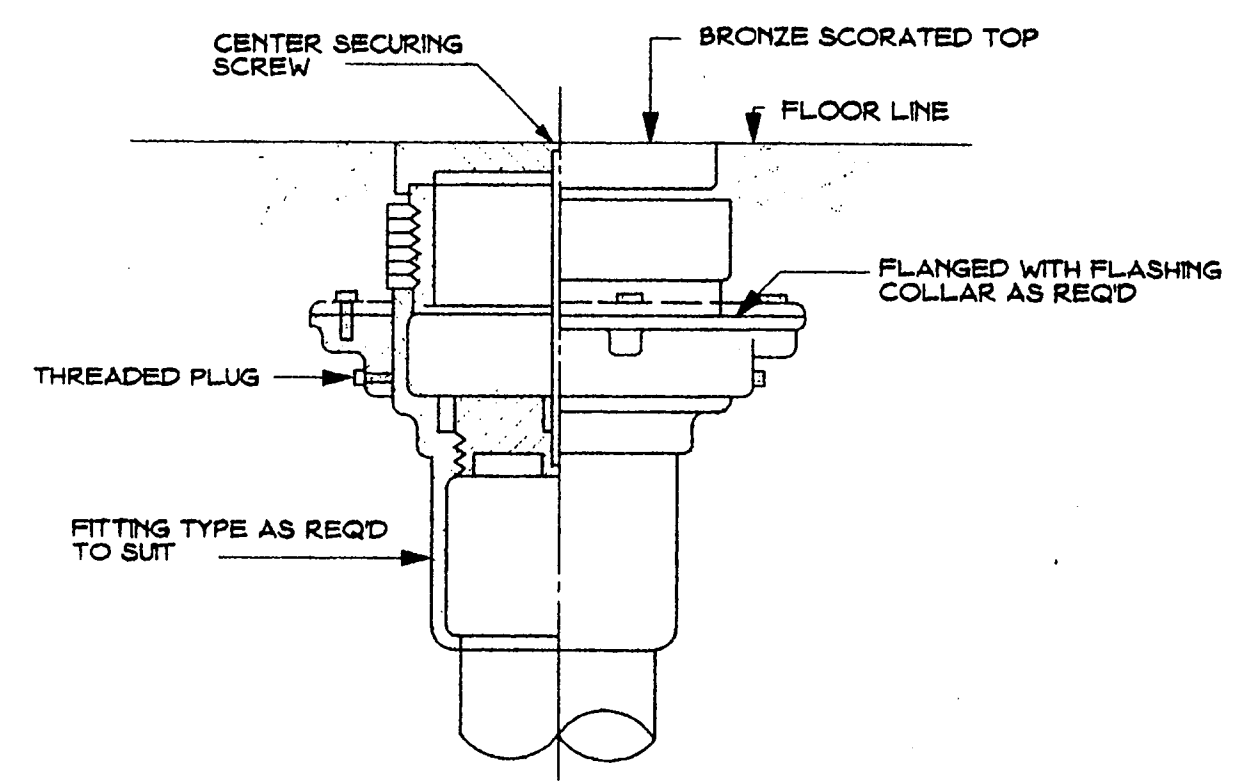
NOTE: RECOVERY BASED ON 90 DEGREE TEMPERATURE RISE.



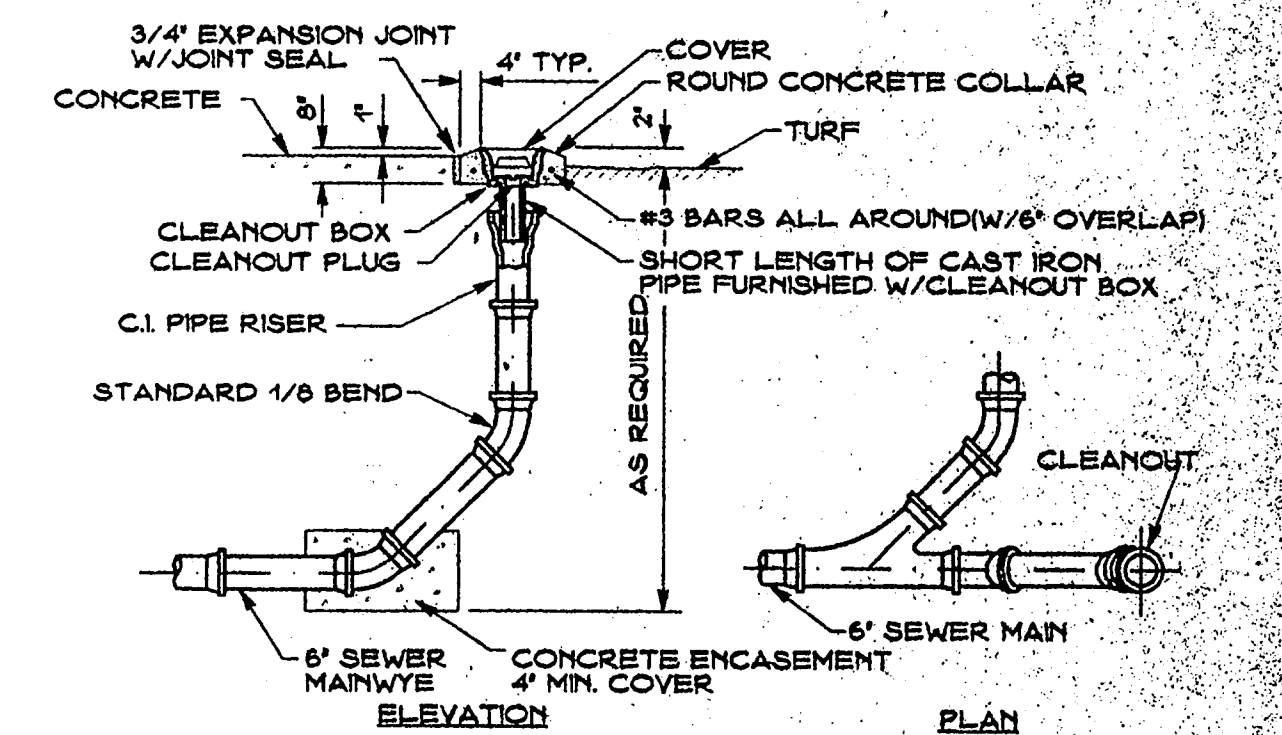
WALL CLEANOUT DETAIL
NO SCALE



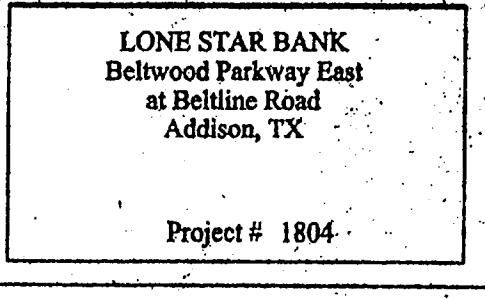
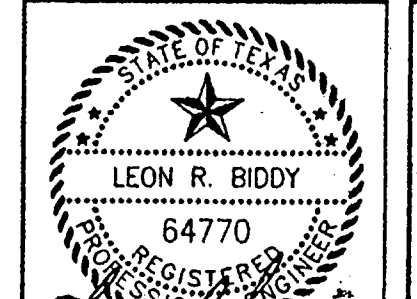
FREEZEPROOF WALL HYDRANT
NO SCALE



FLOOR CLEANOUT
NO SCALE



TYPICAL EXTERIOR CLEANOUT DETAIL
NO SCALE

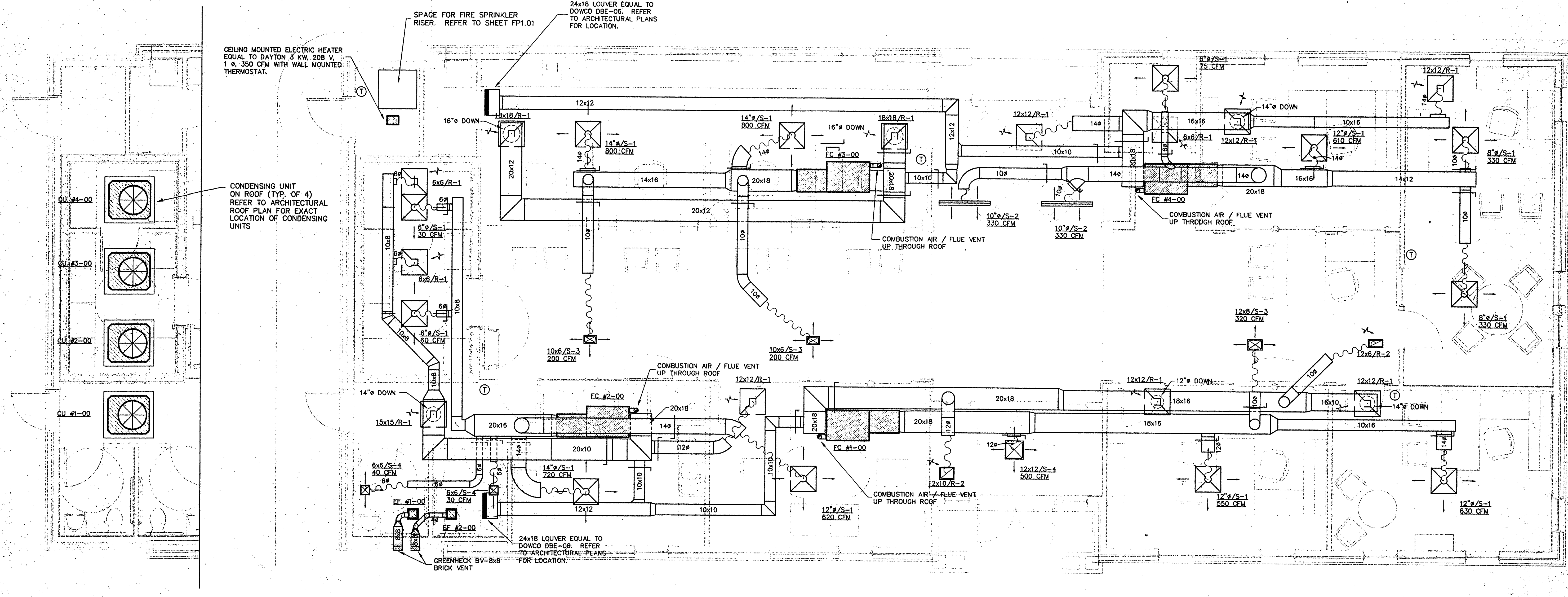


7-25-2000 Issue for Permit
7-27-2000 Issue for Permit
8-17-2000 Issue for Permit

P1.02

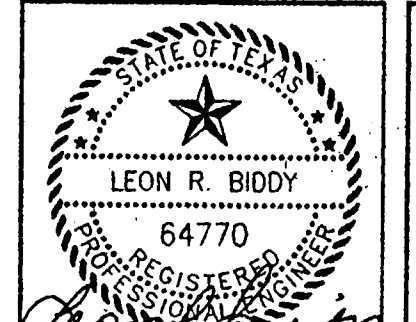
MECHANICAL LEGEND	
EF	EXHAUST FAN
FC	FURNACE AND COIL
CU	CONDENSING UNIT
CFM	CUBIC FEET PER MINUTE
RPM	REVOLUTIONS PER MINUTE
BTUH	BRITISH THERMAL UNITS PER HOUR
MBH	BTUH X 1000
SP	STATIC PRESSURE
ESP	EXTERNAL STATIC PRESSURE
HP	HORSEPOWER
DB	DRY BULB TEMPERATURE
WB	WET BULB TEMPERATURE
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
EA	EXHAUST AIR
⊖	THERMOSTAT
	MANUAL BALANCING DAMPER
	FIRE DAMPER
	FIRE/SMOKE DAMPER

- GENERAL NOTES**
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES.
 - ROUTE REFRIGERANT PIPING TO INDOOR COIL IN MOST DIRECT ROUTE POSSIBLE. VERIFY ROUTING AT JOBSITE.
 - INSTALL ALL EQUIPMENT TO MAINTAIN PROPER CLEARANCE FOR MAINTENANCE.
 - EXTEND COMBINATION COMBUSTION AIR / FLUE VENT PIPING THROUGH ROOF TO CONCENTRIC ROOF CAP. REFER TO EQUIPMENT MANUFACTURERS INSTALLATION INSTRUCTIONS.
 - BALANCE FRESH AIR TO EACH FURNACE / COIL TO AIRFLOW INDICATED IN SCHEDULE.
 - CONTRACTOR SHALL BALANCE ALL HVAC SYSTEMS TO CFM'S SHOWN ON DRAWINGS. SUBMIT FINAL REPORT INDICATING FINAL SYSTEM SETTINGS.



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

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

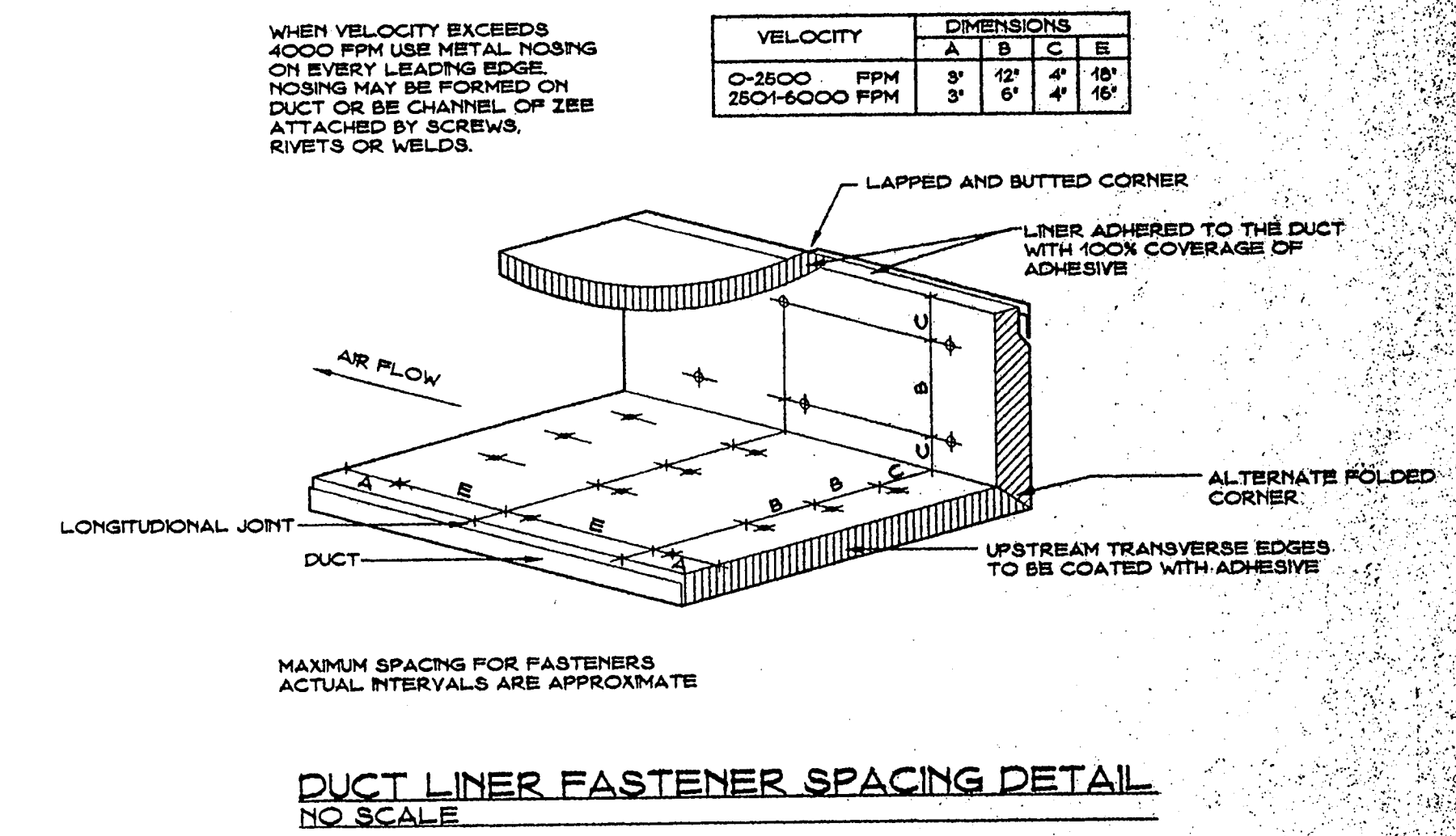
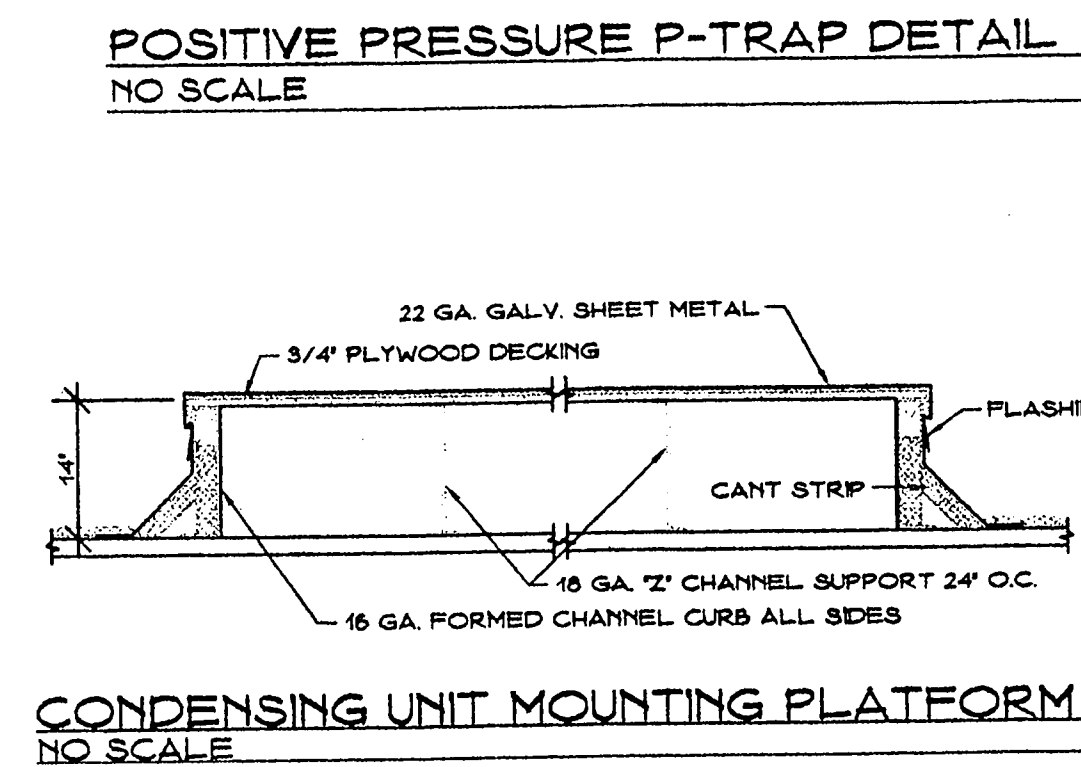
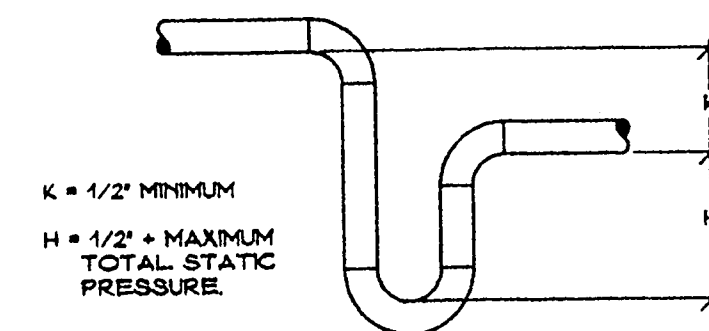
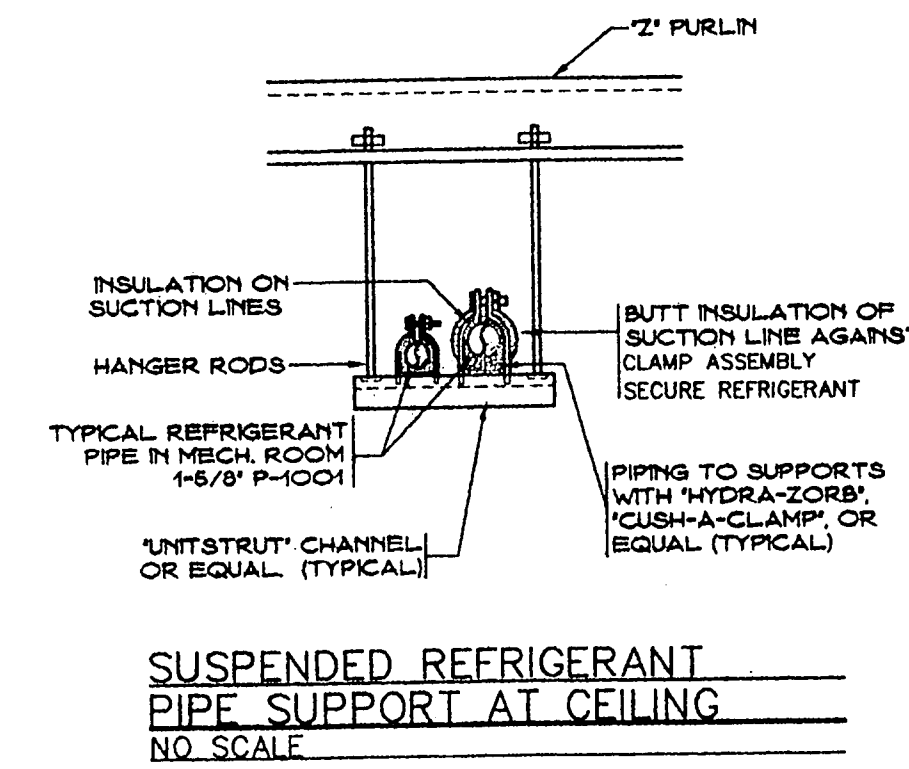
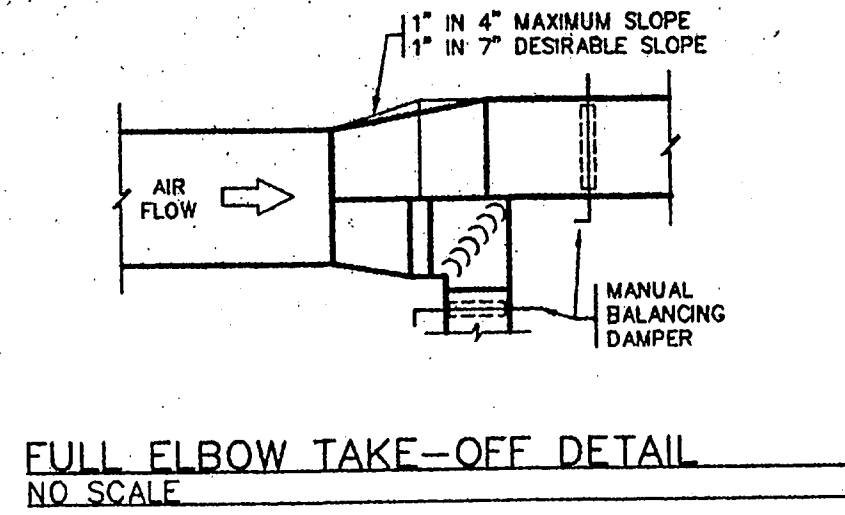
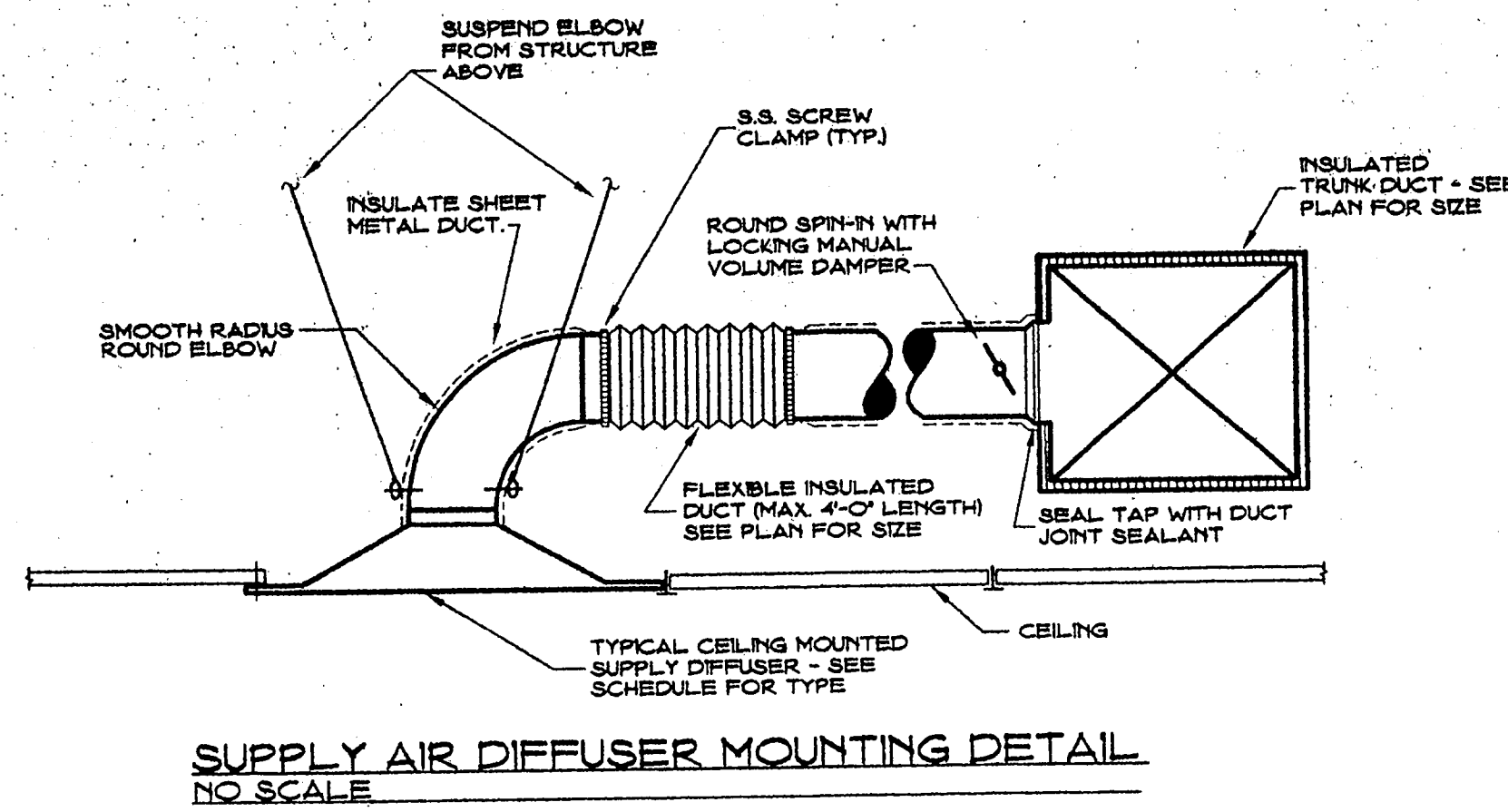


R-F
ROGERS - FORD
ARCHITECTURE - INTERIOR DESIGN
2616 THOMAS AVENUE
DALLAS, TEXAS 75204
TELEPHONE (214) 871-9388
FAX (214) 871-3155

LONE STAR BANK
Beltwood Parkway East
at Beltline Road
Addison, TX
Project # 1804

7-25-2000 14:00
7-28-2000 10:00
8-17-2000 15:00

M1.01



EXHAUST FAN SCHEDULE

MARK	CFM	SP	RPM	HP	DRIVE	ELEC. DATA	TYPE	EXAMPLE
EF #1-00	80	0.375	950	80 W	DIRECT	120 V, 1 Ø, 60 HZ	CEILING	GREENHECK SP-70
EF #2-00	80	0.375	950	80 W	DIRECT	120 V, 1 Ø, 60 HZ	CEILING	GREENHECK SP-70

Notes:
1. Provide solid state speed controller for each fan.

FURNACE AND COIL SCHEDULE

MARK	FAN DATA				COOLING DATA		HEATING		EXAMPLE (CARRIER)		
	CFM	O.A. CFM	ESP	HP	ELECTRICAL DATA	SENS	TOTAL	EAT (DB/WB)		INPUT	OUTPUT
FC #1-00	2000	200	0.6	3/4	115 V, 1 Ø, 60 HZ	42.2	52.0	76.0F/63.0F	120.0	113.0	58MXA-120-20 / CK3BXA060
FC #2-00	1500	160	0.6	3/4	115 V, 1 Ø, 60 HZ	30.2	38.0	76.0F/63.0F	80.0	74.0	58MXA-080-20 / CK3BXA042
FC #3-00	2000	260	0.6	3/4	115 V, 1 Ø, 60 HZ	42.2	52.0	76.0F/63.0F	120.0	113.0	58MXA-120-20 / CK3BXA060
FC #3-00	2000	220	0.6	3/4	115 V, 1 Ø, 60 HZ	42.2	52.0	76.0F/63.0F	120.0	113.0	58MXA-120-20 / CK3BXA060

Notes:
1. All selections based on jobsite elevation.
2. Cooling coil velocity 500 fpm or less.
3. Sensible and total capacities are expressed in MBTUH.
4. Heating output and input are expressed in MBTUH.

CONDENSING UNIT SCHEDULE

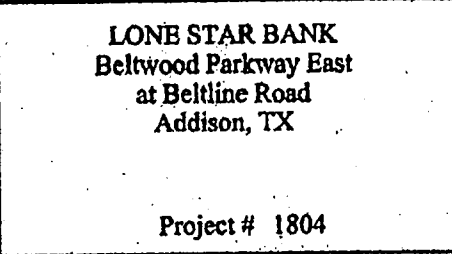
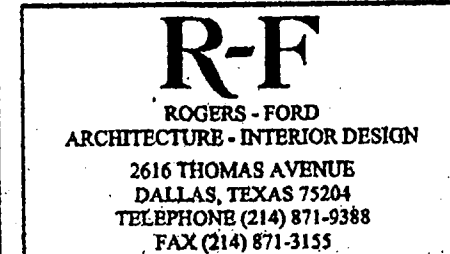
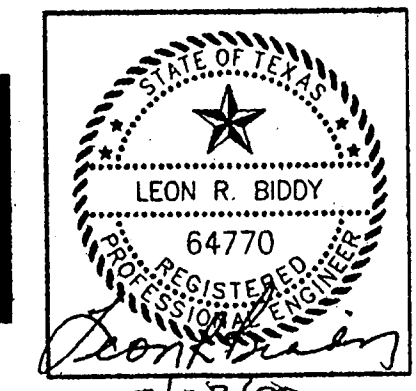
MARK	SERVES	CAPACITY - MBH	SEER	ELECTRIC DATA	EXAMPLE (CARRIER)
CU #1-00	FC #1-00	52.0	12.0	208 V, 3 Ø, 60 HZ	38BRC060
CU #2-00	FC #2-00	38.0	12.0	208 V, 3 Ø, 60 HZ	38BRC042
CU #3-00	FC #3-00	52.0	12.0	208 V, 3 Ø, 60 HZ	38BRC060
CU #4-00	FC #4-00	52.0	12.0	208 V, 3 Ø, 60 HZ	38BRC060

Notes:
1. All selections based on jobsite elevation.
2. All selections based on ambient temperature of 100°F.
3. Submit performance data with matched coil.

AIR DISTRIBUTION SCHEDULE

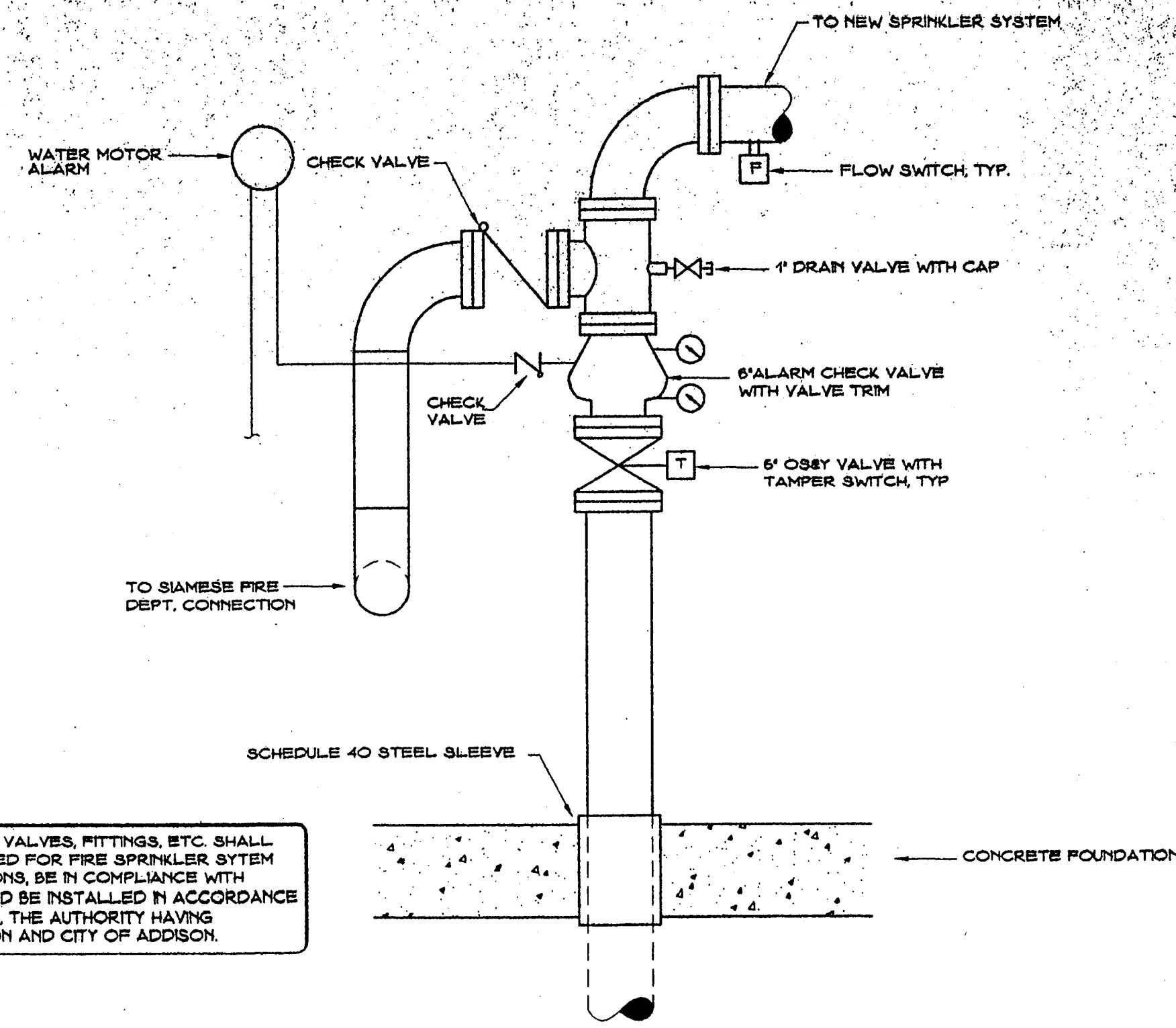
MARK	TYPE	LOCATION	FRAME	FINISH	EXAMPLE
S-1	SUPPLY	CEILING	TB	WHITE	TITUS TMSA, 24x24, OBD
S-2	SUPPLY	CEILING	TB	WHITE	TITUS T-SLOT-IN, 48" LONG, 3 SLOTS, OBD
S-3	SUPPLY	CEILING	PF	WHITE	TITUS 300RS, OBD, NOTE 6.
S-4	SUPPLY	CEILING	PF	WHITE	TITUS MCD, OBD, NOTE 6.
R-1	RETURN	CEILING	TB	WHITE	TITUS PAR, 24x24, NOTE 6.
R-2	RETURN	CEILING	PF	WHITE	TITUS 355ZRL, NOTE 6.

Notes:
1. OBD = Opposed blade damper
2. EXT = Extractor
3. PF = Plaster Frame
4. TB = Lay-in T-bar
5. Verify frame type with ceiling installer's layout.
6. Provide square to round transition at diffuser. See drawings for size.



7-25-2000 Issue for Permit
7-28-2000 Re-issued for Permit
8-17-2000 Issue for BIDD

M1.02



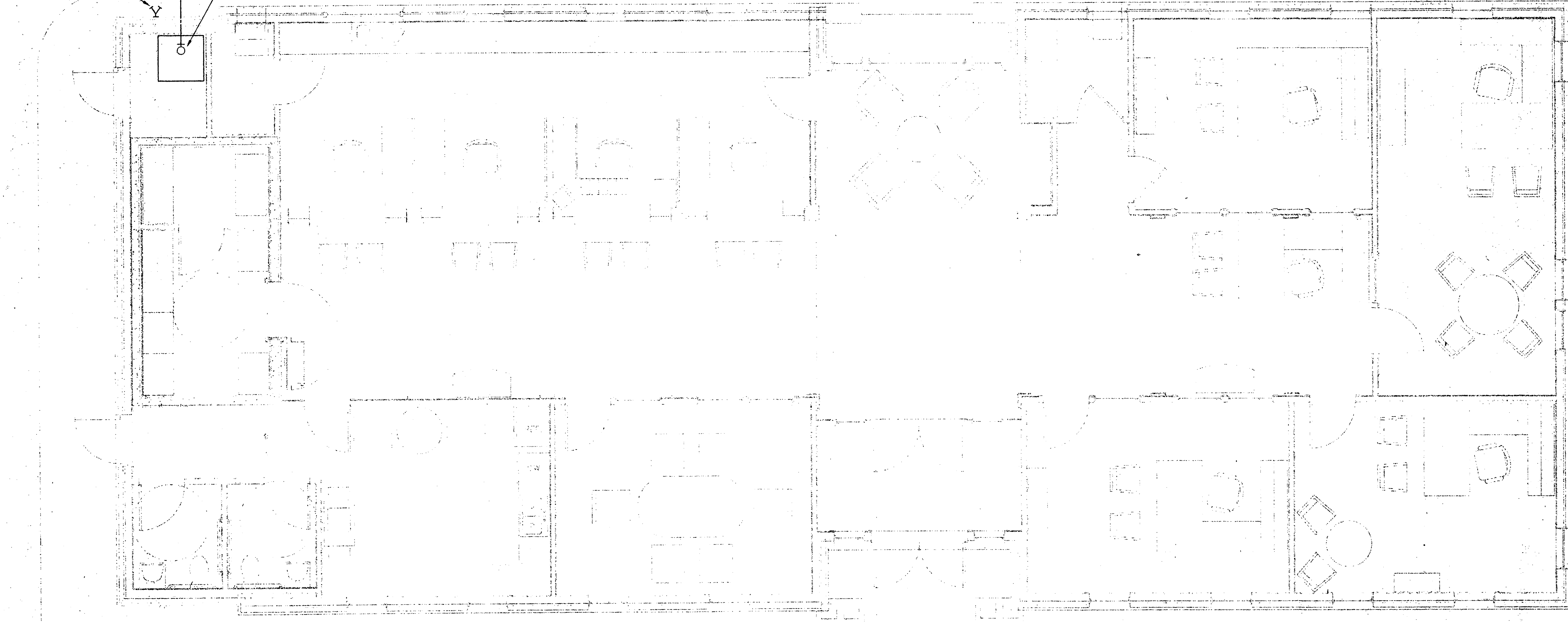
ALL PIPING, VALVES, FITTINGS, ETC. SHALL BE UL LISTED FOR FIRE SPRINKLER SYSTEM APPLICATIONS. BE IN COMPLIANCE WITH NFPA 13, AND BE INSTALLED IN ACCORDANCE TO NFPA 13, THE AUTHORITY HAVING JURISDICTION AND CITY OF ADDISON.

FIRE SPRINKLER RISER DETAIL
TO SCALE

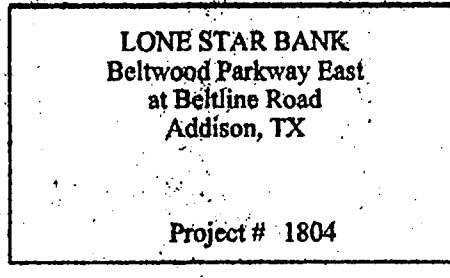
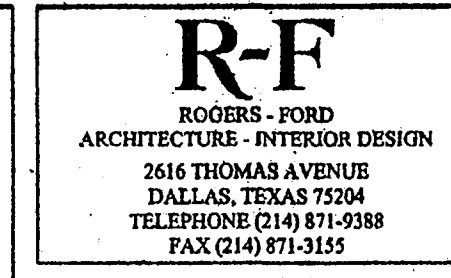
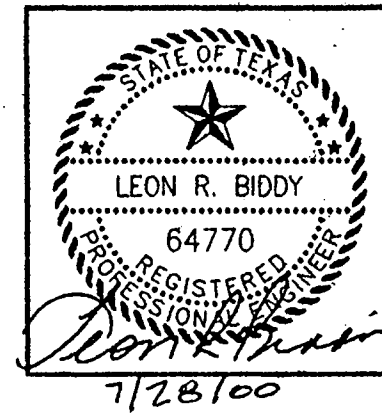
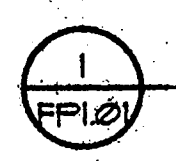
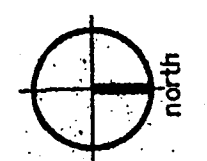
GENERAL NOTES

- A. DESIGN AND INSTALL NEW FIRE SPRINKLER SYSTEM IN ACCORDANCE TO THE LATEST ADDITION OF NFPA 13 AND AUTHORITY HAVING JURISDICTION.
- B. ALL FIRE SPRINKLER HEADS SHALL BE QUICK RESPONSE, CONCEALED TYPE, WITH HEAD COVER PAINTED AS DIRECTED BY ARCHITECT.
- C. PROVIDE FIRE SPRINKLER COVERAGE IN ACCORDANCE TO NFPA 13 AND THE LOCAL AUTHORITY HAVING JURISDICTION IN ALL AREAS OF THE BUILDING UNLESS SPECIFICALLY NOTED OTHERWISE.
- D. SPRINKLER COVERAGE SHALL INCLUDE ABOVE CEILING ATTIC SPACE.

REFER TO SITE PLAN, SHEET WP1.01 FOR CONTINUATION
 LOCATION FOR FIRE DEPARTMENT CONNECTION
 6"
 LOCATION FOR FIRE SPRINKLER RISER



FLOORPLAN - FIRE SPRINKLER SYSTEM
SCALE: 1/4" = 1'-0"



7-28-2000 Issue for Permit
8-17-2000 Issue for RFP

FP1.01

FIRE SPRINKLER SYSTEM PLAN