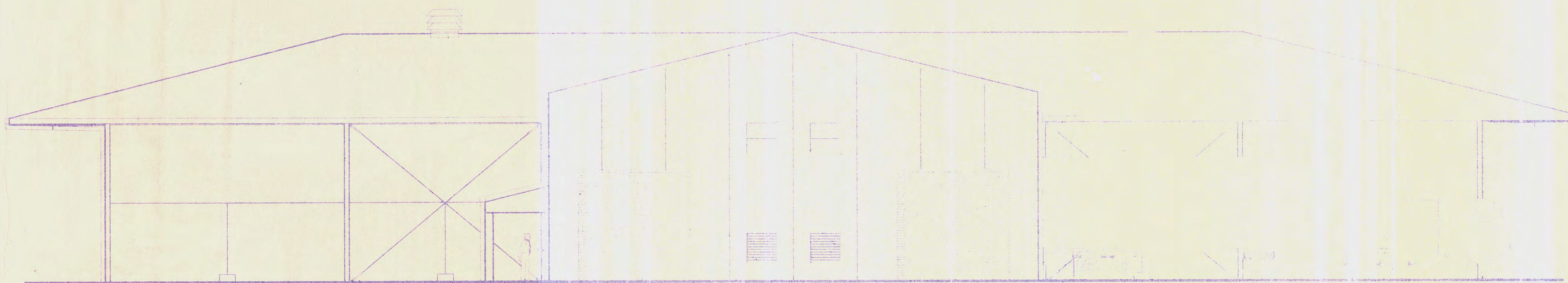


Appendix “J”

A NEW BUILDING FOR
DALTON UTILITIES
SLUDGE PROCESSING FACILITY
 DALTON, GEORGIA

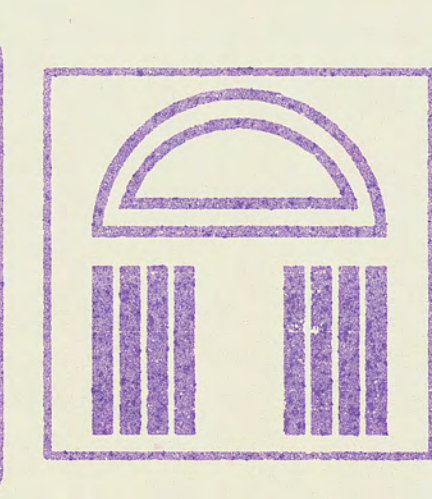
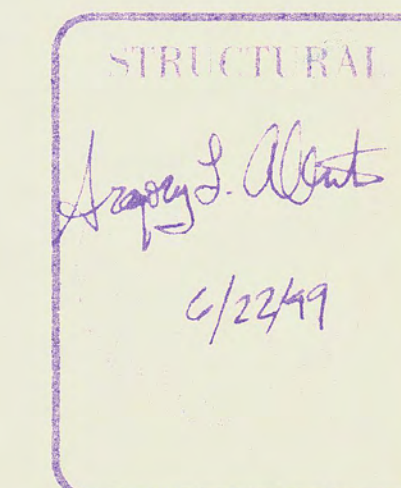
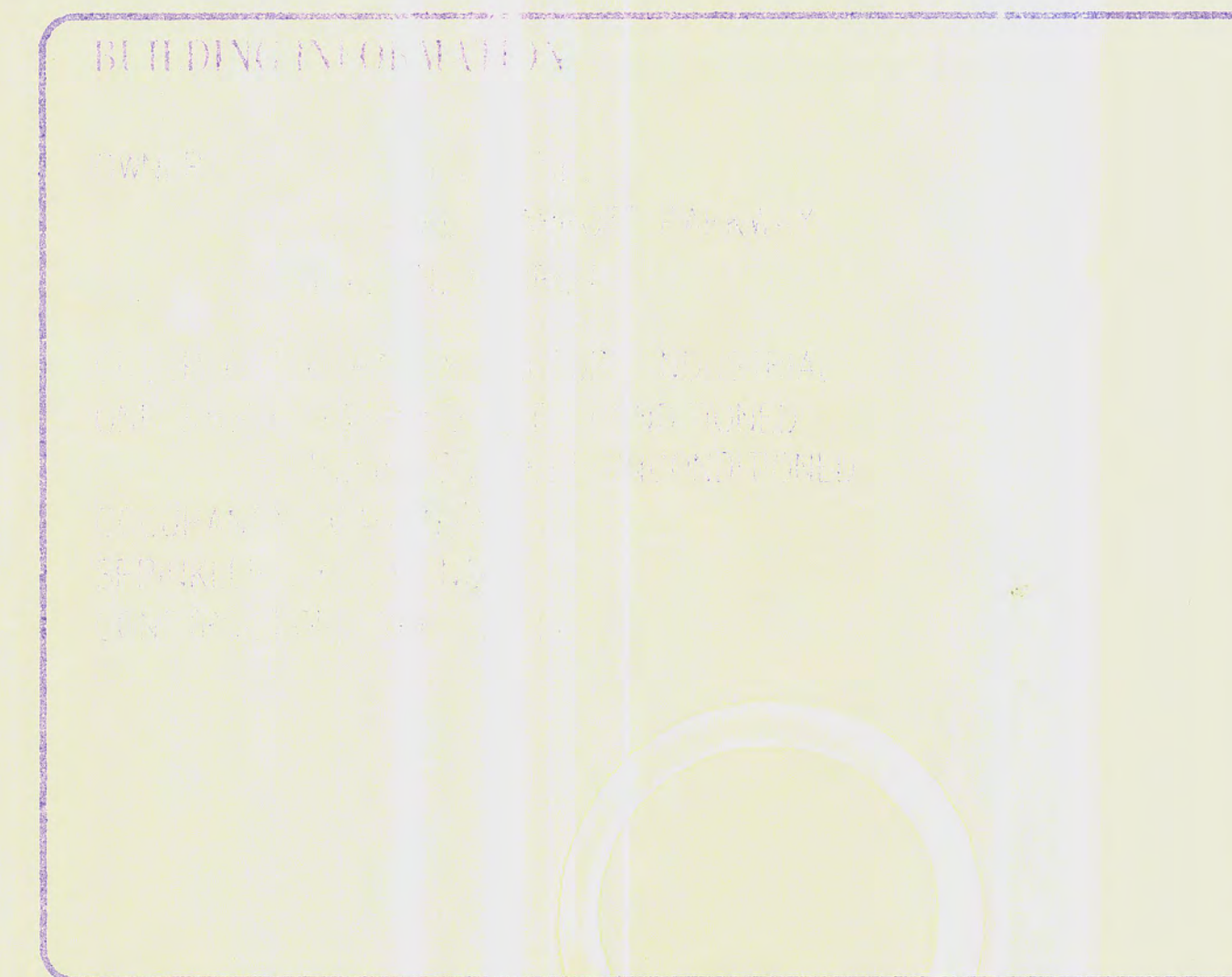
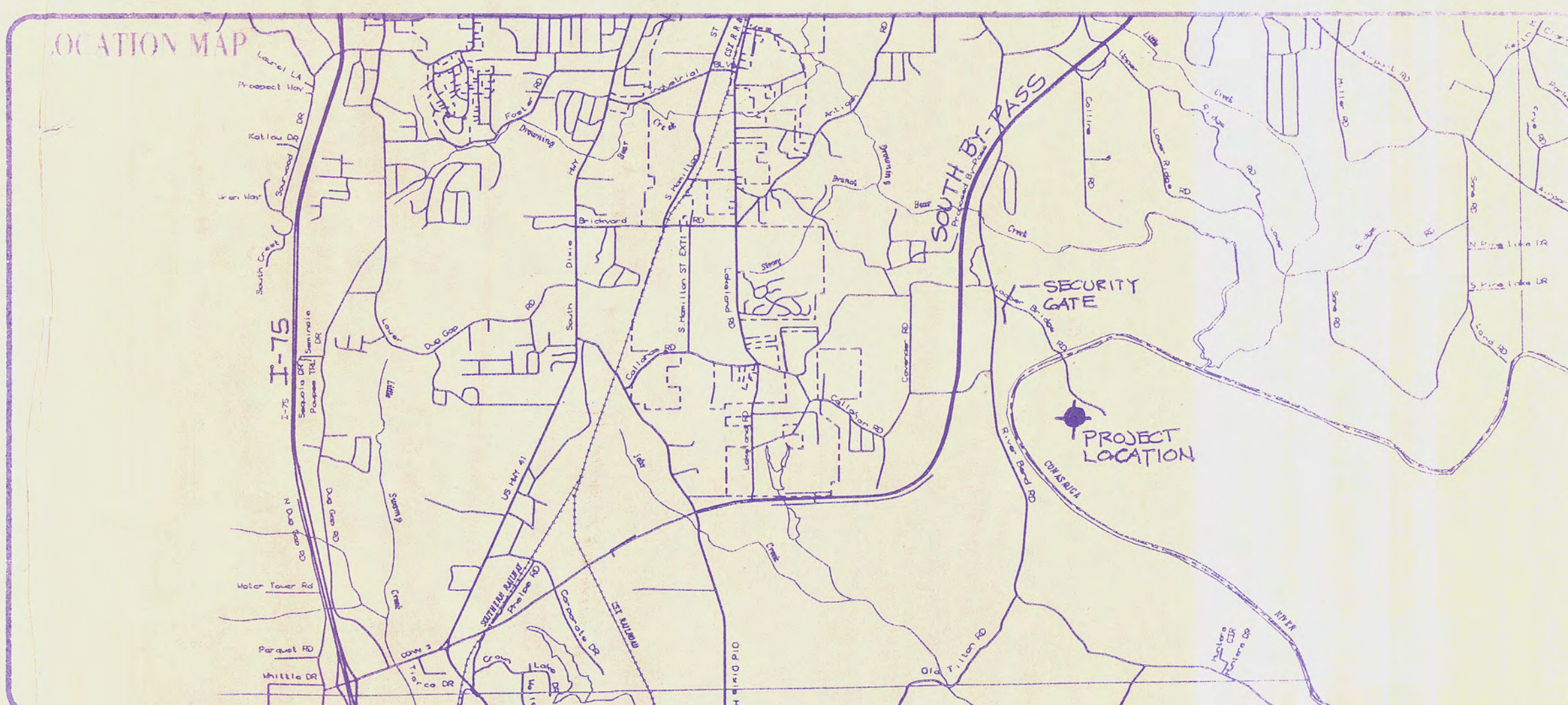


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- C1-2 Soil Erosion Plan
- C1-3 Site Utility Plan
- C2-1 Site Details
- C3-1 Parking and Paving Plan
- S1-1 Foundation Plan
- S2-1 2nd Floor Framing and Roof Plan
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JOB NUMBER 9907
DATE 6-22-99
REVISION

JENNINGS - KING ARCHITECTS, INC.

121 W. CRAWFORD ST. PO BOX 1679

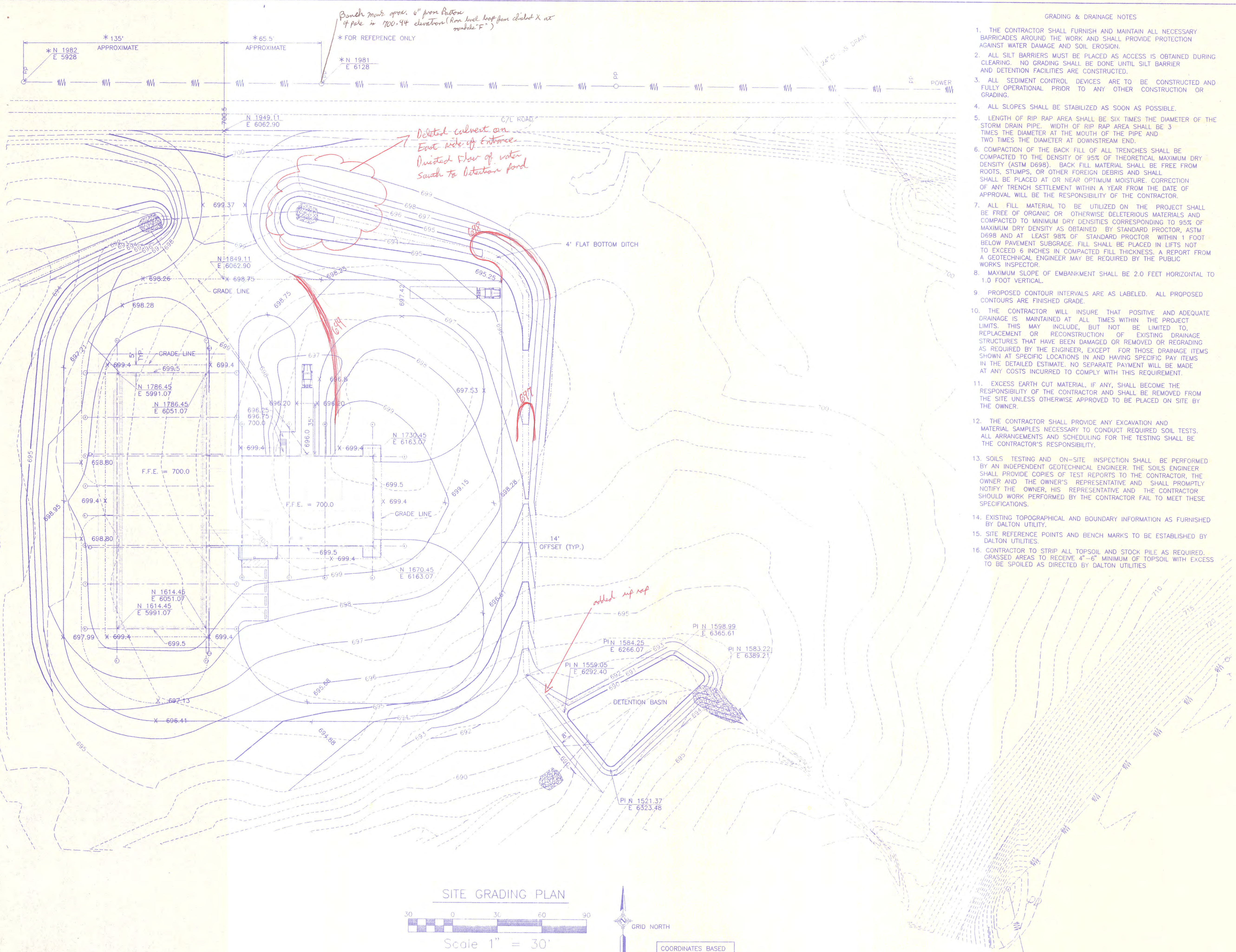
DALTON, GA 30722-1679

706-278-4242

MECHANICAL, PLUMBING, ELECTRICAL, STRUCTURAL AND CIVIL ENGINEERING BY:
 MARCH ADAMS & ASSOCIATES, CONSULTING ENGINEERS

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<input checked="" type="checkbox"/>	CHECK SET REVIEW
<input checked="" type="checkbox"/>	FINAL REVIEW

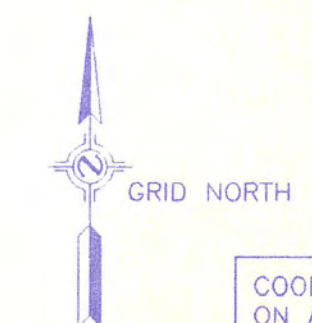
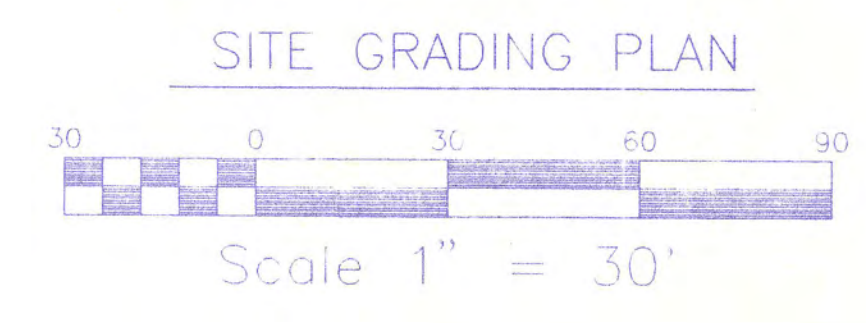
SET NUMBER /
DRAWING NO. T1-1



Panel mark open 6" from bottom of pole in 700.44 elevation (from level top from chart X at marks "F")

* FOR REFERENCE ONLY

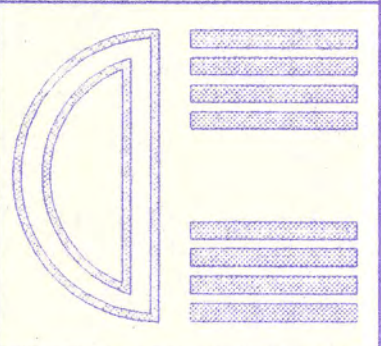
- GRADING & DRAINAGE NOTES
1. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
 2. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER AND DETENTION FACILITIES ARE CONSTRUCTED.
 3. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
 4. ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.
 5. LENGTH OF RIP RAP AREA SHALL BE SIX TIMES THE DIAMETER OF THE STORM DRAIN PIPE. WIDTH OF RIP RAP AREA SHALL BE 3 TIMES THE DIAMETER AT THE MOUTH OF THE PIPE AND TWO TIMES THE DIAMETER AT DOWNSTREAM END.
 6. COMPACTION OF THE BACK FILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ASTM D698). BACK FILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS, OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 7. ALL FILL MATERIAL TO BE UTILIZED ON THE PROJECT SHALL BE FREE OF ORGANIC OR OTHERWISE DELETERIOUS MATERIALS AND COMPACTED TO MINIMUM DRY DENSITIES CORRESPONDING TO 95% OF MAXIMUM DRY DENSITY AS OBTAINED BY STANDARD PROCTOR, ASTM D698 AND AT LEAST 98% OF STANDARD PROCTOR WITHIN 1 FOOT BELOW PAVEMENT SUBGRADE. FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES IN COMPACTED FILL THICKNESS. A REPORT FROM A GEOTECHNICAL ENGINEER MAY BE REQUIRED BY THE PUBLIC WORKS INSPECTOR.
 8. MAXIMUM SLOPE OF EMBANKMENT SHALL BE 2.0 FEET HORIZONTAL TO 1.0 FOOT VERTICAL.
 9. PROPOSED CONTOUR INTERVALS ARE AS LABELED. ALL PROPOSED CONTOURS ARE FINISHED GRADE.
 10. THE CONTRACTOR WILL INSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE AT ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
 11. EXCESS EARTH CUT MATERIAL, IF ANY, SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED TO BE PLACED ON SITE BY THE OWNER.
 12. THE CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
 13. SOILS TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNER'S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
 14. EXISTING TOPOGRAPHICAL AND BOUNDARY INFORMATION AS FURNISHED BY DALTON UTILITY.
 15. SITE REFERENCE POINTS AND BENCH MARKS TO BE ESTABLISHED BY DALTON UTILITIES.
 16. CONTRACTOR TO STRIP ALL TOPSOIL AND STOCK PILE AS REQUIRED. GRASSSED AREAS TO RECEIVE 4" - 6" MINIMUM OF TOPSOIL WITH EXCESS TO BE SPOILED AS DIRECTED BY DALTON UTILITIES.



COORDINATES BASED ON ASSUMED DATUM

PROJECT NO.: 9907
DATE: 4/23/99
FILE NAME: DALTON UTILITIES

Jennings-King Architects, Inc.
P.O. Box 1679
121 West Crawford Street
Dalton, Georgia 30722
(706) 278-4242



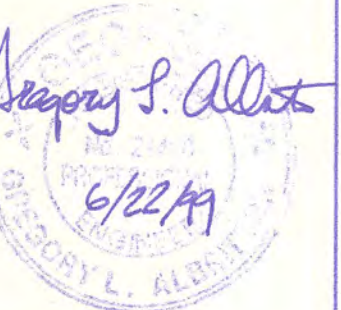
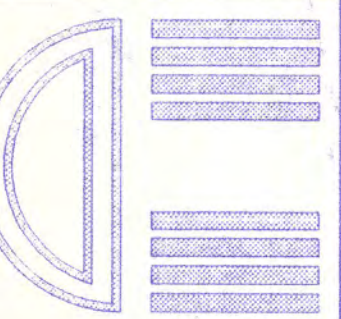
A NEW BUILDING FOR
DALTON UTILITIES
SLUDGE PROCESSING FACILITY
DALTON, GEORGIA
???? ROAD

Gregory L. Allen
6/22/99
GREGORY L. ALLEN

SHEET INDEX:
SITE GRADING PLAN

DRAWING NO.: C1-1

March Adams & Associates
Consulting Engineers
Dalton, Georgia
Phone (423) 856-6775

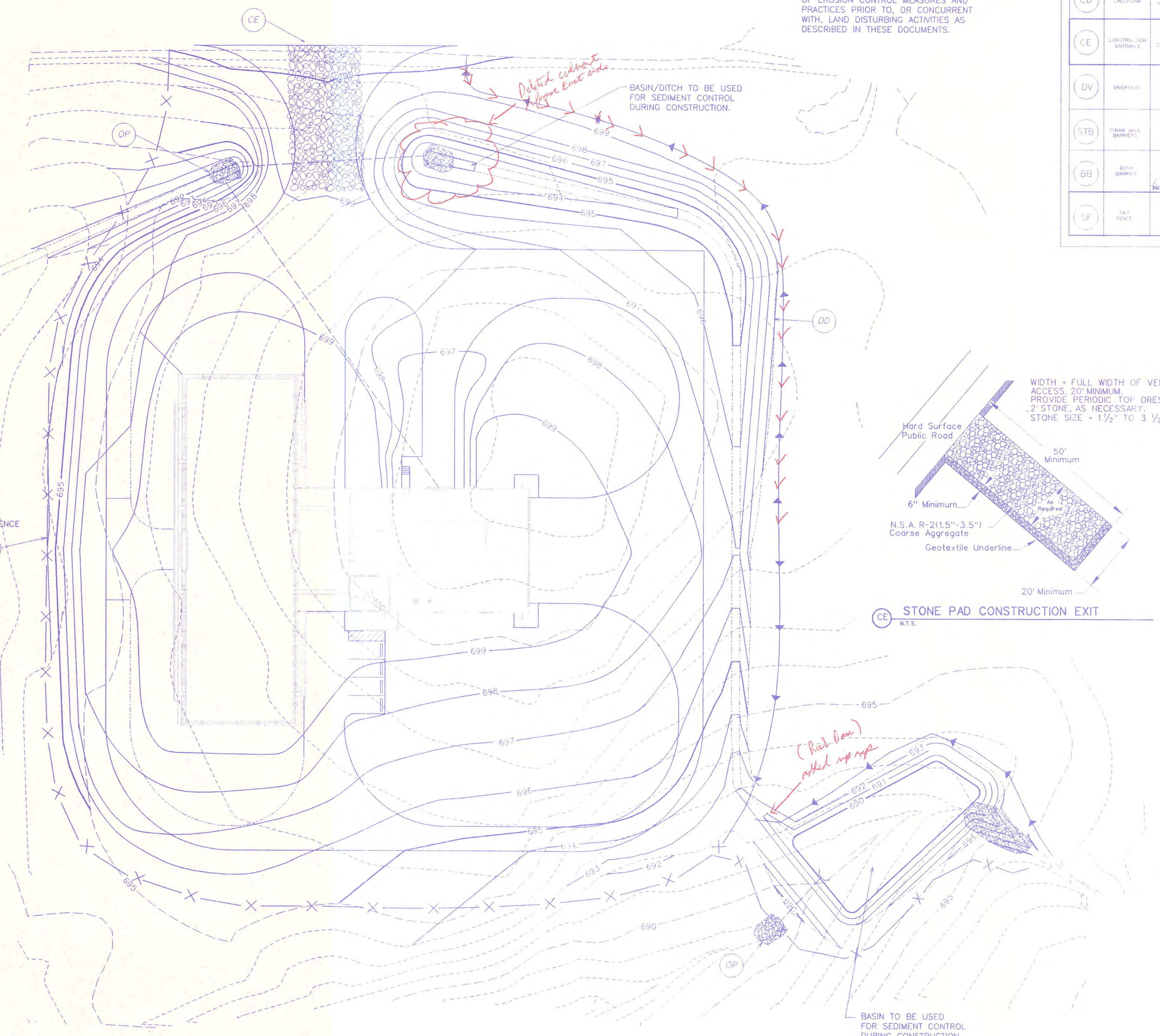


STRUCTURAL PRACTICES FOR EROSION CONTROL

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
CD	CHECK DAM			A small temporary barrier or dam constructed across a watercourse ditch or area of concentrated flow.
CE	CONSTRUCTION ENTRANCE			A crushed stone pad located at the construction site and to provide a place for removing mud from tires thereby protecting public streets.
DV	DIVERSION			An earth channel or low located above/below or across a slope to divert runoff. This may be a temporary or permanent structure.
STB	STRIP BUILT BARRIERS			A temporary sediment barrier consisting of a row of rectangular and square stone blocks.
BB	BOOM BARRIERS			A temporary sediment barrier constructed of the perimeter of a disturbed area from the residue materials available from clearing and grading the site.
SF	SILT FENCE			A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and anchored. There are two types: The SF Fence is a temporary outer filter barrier or situated of synthetic fabric, posts, and depending upon the strength of the fabric, wire fence for support. The filter barrier is constructed of woven and burlap or synthetic filter fabric.
IP	STORM DRAIN INLET PROTECT			Structurally lined aprons or other acceptable energy dissipating devices placed at the outlets of pipes or paved channel sections.
OP	STORM DRAIN OUTLET PROTECTION			Structurally lined aprons or other acceptable energy dissipating devices placed at the outlets of pipes or paved channel sections.
SR	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Rd	ROCK-FILTER LAM			A permanent or temporary stone filter lam installed across small streams or drainageways.
RR	RIPRAP			A permanent erosion-resistant ground cover of large, loose, angular stone.
DD	TEMPORARY DIVERSION DITCH			A temporary ditch or channel of a sloping disturbed area.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES AS DESCRIBED IN THESE DOCUMENTS.



SILT FENCE TYPES USE

WIDTH OF FABRIC	USE
TYPE A (36")	1 ON DEVELOPMENTS WHERE THE LIFE OF THE PROJECT IS GREATER THAN OR EQUAL TO 6 MONTHS 2 WHERE THE SLOPE GRADIENT IS STEEPER THAN 3:1.
TYPE B (22")	1 ON PROJECTS, SUCH AS RESIDENTIAL HOME SITES OR SMALL COMMERCIAL DEVELOPMENTS, WHERE THE LIFE OF THE PROJECT IS LESS THAN 6 MONTHS. 2 WHERE THE SLOPE GRADIENT IS LESS THAN OR EQUAL TO 3:1.
TYPE C (36") WITH WOVEN WIRE REINFORCEMENT	1 WHERE FILL SLOPES EXCEED A VERTICAL HEIGHT OF 20 FEET AND THE SLOPE GRADIENT IS STEEPER THAN 3:1.

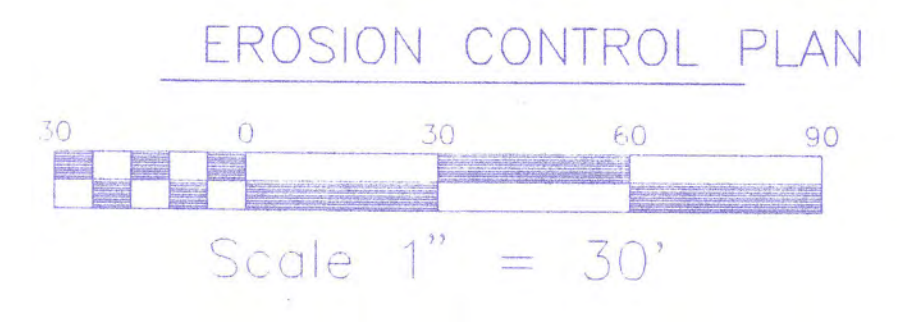
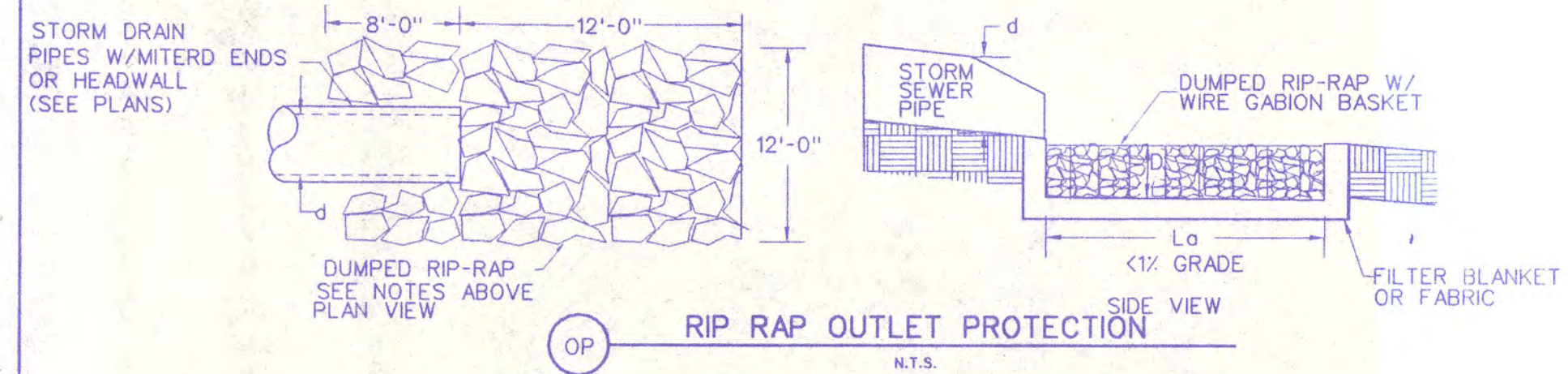
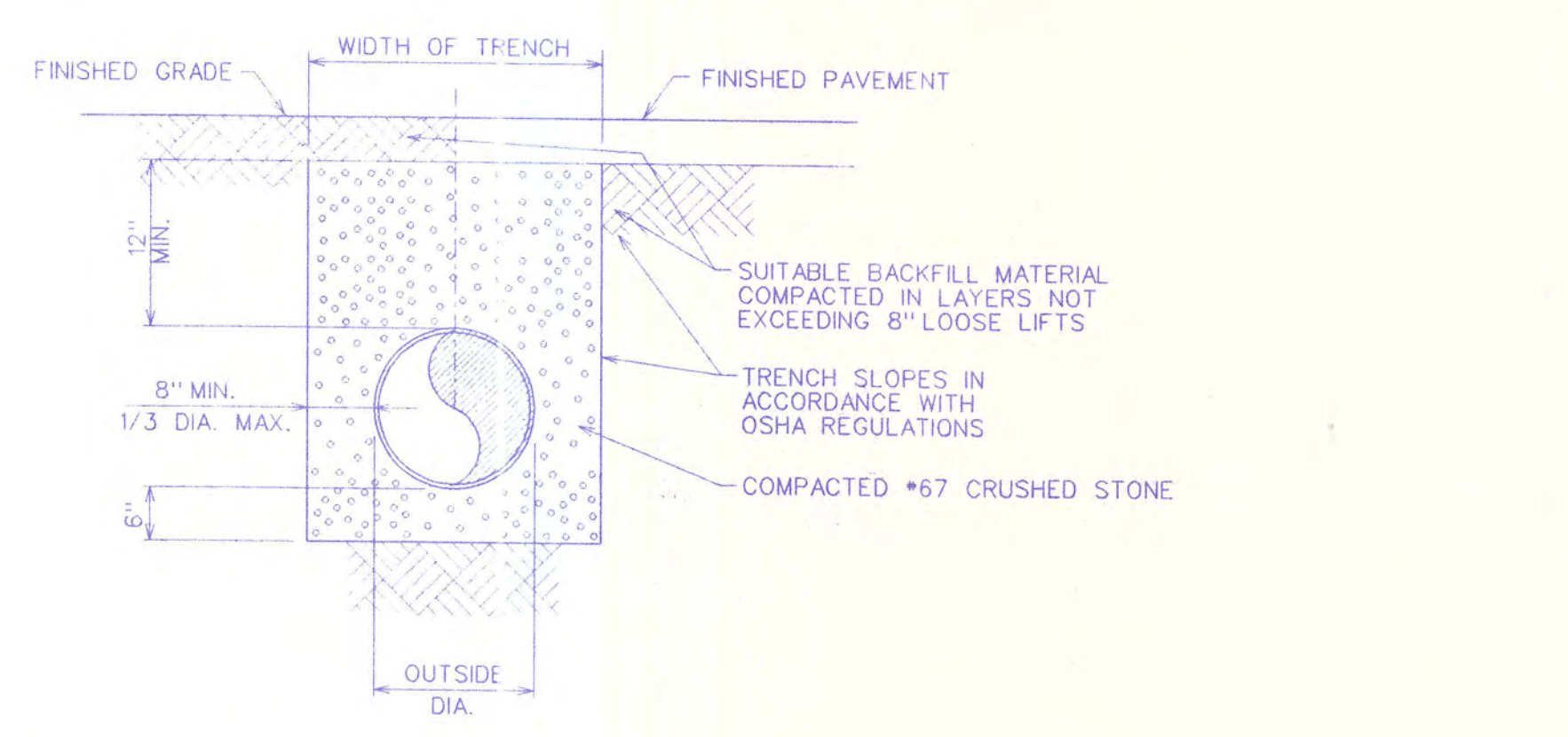
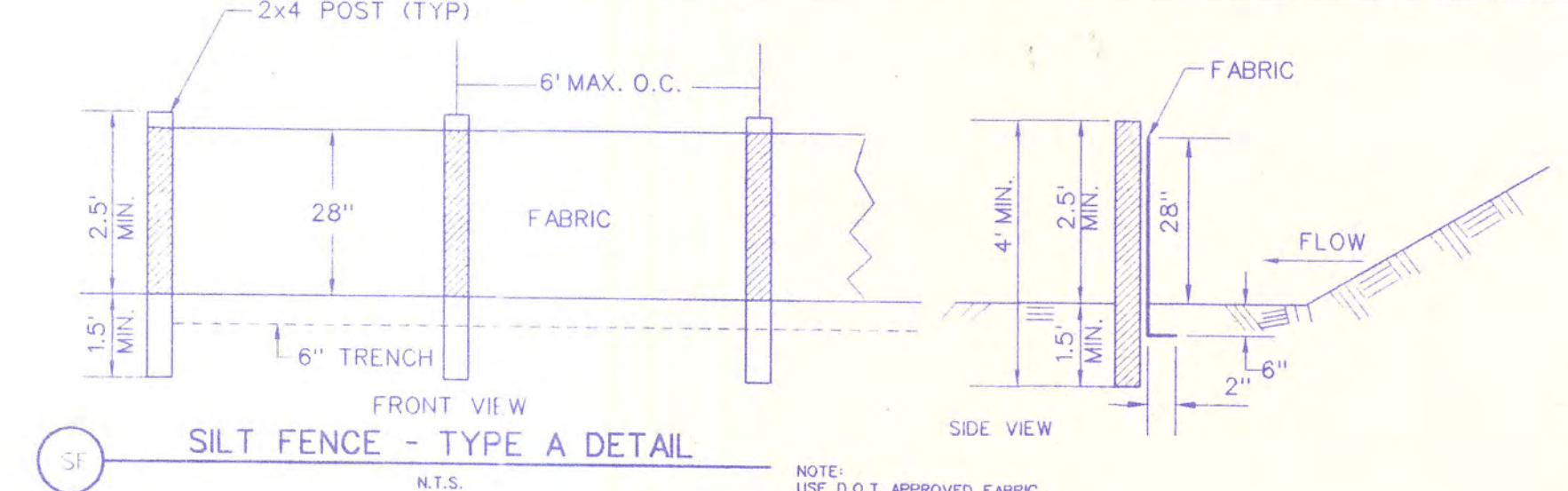
POST SIZE

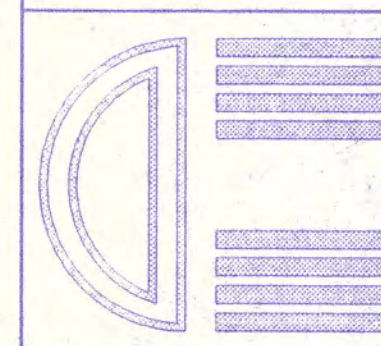
TYPE	MINIMUM LENGTH	TYPE OF POST	SIZE OF POST
TYPE A	4'	SOFT WOOD OAK STEEL	3" DIA. OR 2X4 1.5" X 1.5" 1.3lb./FT. MIN.
TYPE B	3'	SOFT WOOD OAK STEEL	2" DIA. OR 2X2 1" X 1" .75lb./FT. MIN.
TYPE C	4'	STEEL	1.3lb./FT. MIN.

FASTENERS FOR WOOD POSTS

WIRE STAPLES	GAUGE	17 MIN	CROWN 3/4" WIDE	LEGS 1/2" LONG	STAPLES/POST 5 MIN.
NAILS	GAUGE	14 MIN	LENGTH 1"	BUTTON HEADS 3/4"	NAIL/POST 4 MIN.

NOTE: FILTER FABRIC MAY ALSO BE ATTACHED TO THE POST BY WIRE, CORD, AND POCKETS.



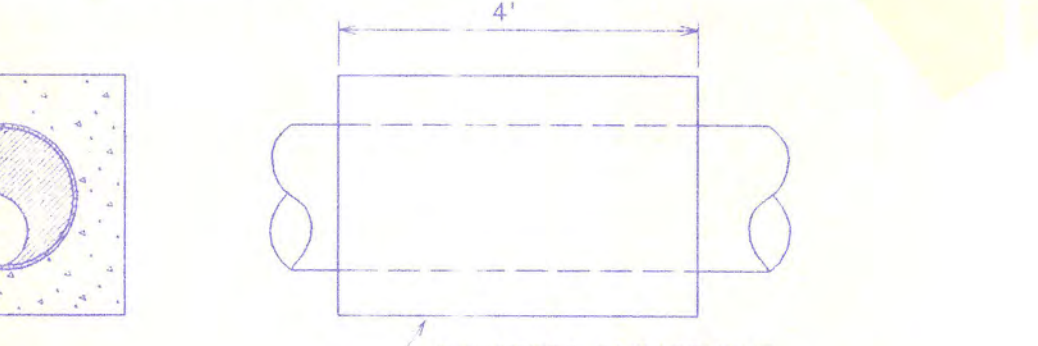
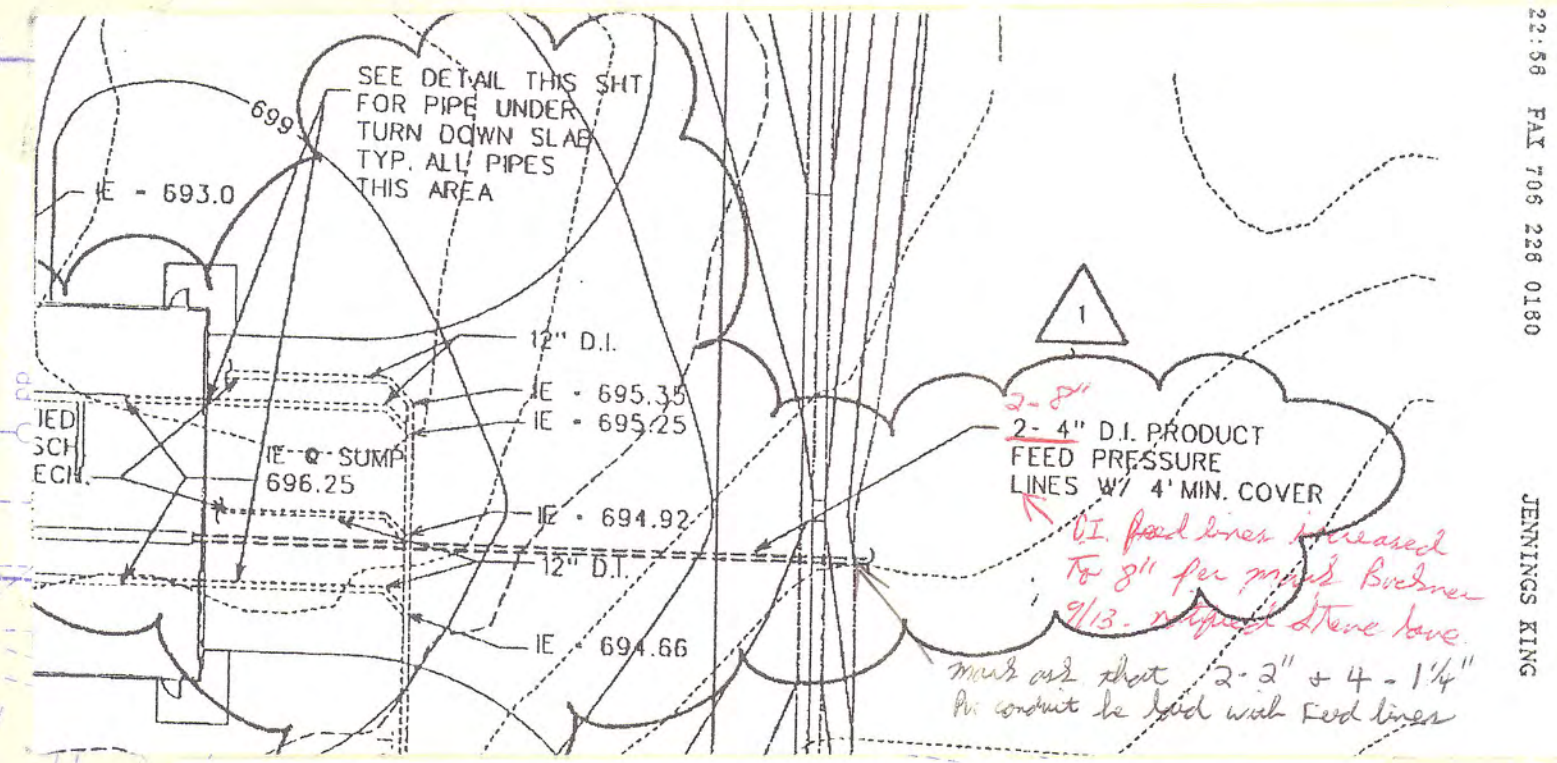


GENERAL NOTES: WATER LINE NOTES:

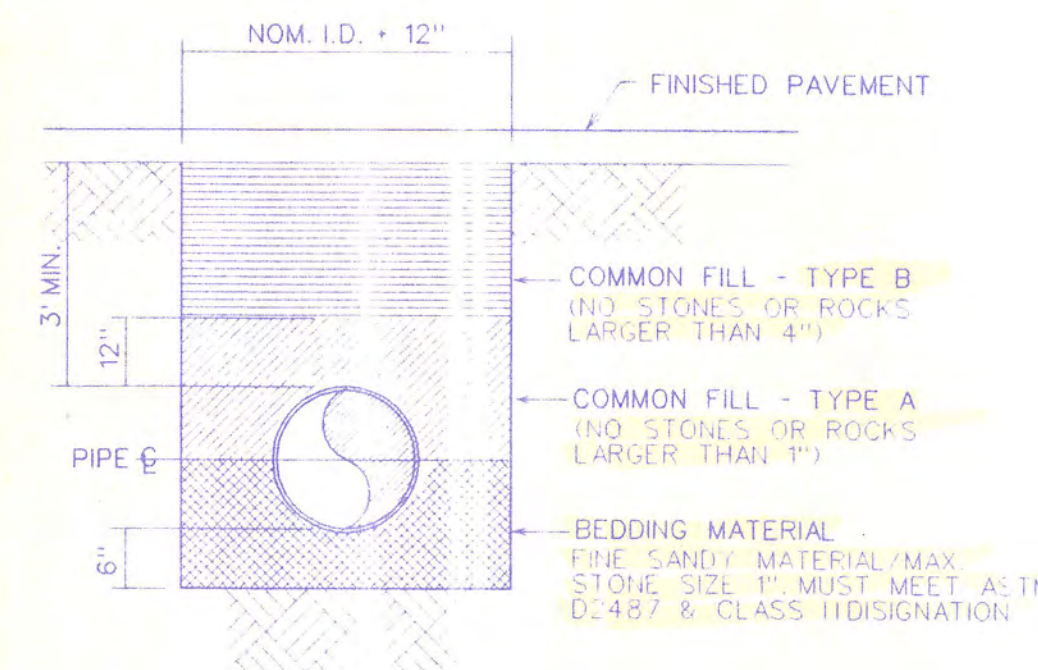
- ALL UTILITY WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST "STANDARD SPECIFICATIONS" AND "CONSTRUCTION DETAIL DRAWINGS OF THE DALTON UTILITY DISTRICT AS WELL AS ANY REQUIREMENTS OF THE STATE OF GA. DEPT. OF CONSERVATION.
- ALL NEW WATER LINE SHALL BE 6" DUCTILE IRON.
- LUBRICANTS SHALL BE NON-TOXIC AND SHALL NOT PROMOTE BIOLOGICAL GROTH. SOLVENT CEMENTED JOINTS NOT PERMITTED.
- PROCEDURE FOR DISINFECTING POTABLE WATER LINES SHALL CONFORM TO THE REQUIREMENTS OF AWWA C601.
- PRESSURE AND LEAKAGE TESTS SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AWWA STANDARD C600 AND/OR MANUFACTURER'S PROCEDURE.
- ALL VALVES AND FITTINGS ARE TO CONFORM TO THE LATEST AWWA STANDARDS.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE UTILITY COMPANY FOR CONNECTION TO THE EXISTING UTILITY LINES. THE CONTRACTOR SHALL ADJUST THE LOCATION OF THE PROPOSED WATER LINE TO AVOID CONFLICTS WITH OTHER UTILITIES.
- THE EXISTING UTILITY FACILITIES, EASEMENTS, AND THEIR LOCATION SHOWN ARE TAKEN FROM READILY AVAILABLE INFORMATION. THE ACTUAL LOCATIONS OF THE UTILITY FACILITIES AND EASEMENTS MAY VARY SOMEWHAT FROM THE LOCATION SHOWN AND THERE MAY BE UTILITY FACILITIES EXISTING THAT ARE NOT SHOWN OR INDICATED ON THE DRAWINGS. THE UTILITY CONTRACTOR SHALL CONTACT ALL AGENCIES WITH UTILITY FACILITIES IN THE VICINITY OF THE WORK AND SHALL LOCATE ALL UNDERGROUND FACILITIES BEFORE BEGINNING OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE FOR ANY NECESSARY BONDS AS REQUIRED BY GOVERNING AGENCIES.
- WHERE PROPOSED WATER LINE EXTENDS UNDER ANY PAVED SURFACED, THE TRENCH MUST BE BACKFILLED WITH APPROVED STONE.
- A CONCRETE ANCHOR BLOCK AS SHOWN ON THIS SHEET SHALL BE POURED AROUND THE FIRST BELL AND SPOOT PIPE JOINT RESTRAINT FROM THE END OF THE WATERLINE. THE MECHANICAL RESTRAINT SECURING THE JOINT SHALL BE WRAPPED WITH PLASTIC PRIOR TO THE POURING OF THE CONCRETE. THE INTENT OF THE CONCRETE ANCHOR BLOCK WILL HELP KEEP THE JOINTS FROM SEPARATING NEAR THE END OF THE WATERLINE.
- PROPOSED NEW WATER LINE SHALL BE INSTALLED AS SHOWN WITHIN THE INDICATED ROADWAY RIGHT OF WAY OR THE ADJACENT UTILITY EASEMENT.
- CONTRACTORS SHOULD NOT BE DOING ANY OPEN BURNING OF CONSTRUCTION MATERIALS OR DEBRIS WITHOUT A PERMIT FROM THE DEPARTMENT OF AIR POLLUTION CONTROL. IF A CONTRACTOR DESIRES TO PERFORM OPEN BURNING, HE MUST BE RESPONSIBLE FOR OBTAINING ANY PERMITS AND FOR ANY VIOLATION OF THE AIR POLLUTION LAWS. TO OBTAIN A PERMIT, ANY FIREHALL.
- THE CONTRACTOR SHALL CALL "ONE-CALL" AT LEAST THREE BUSINESS DAYS PRIOR TO THE START OF ANY CONSTRUCTION ON THE SITE.
- ALL WATERLINE, EXCEPTING 2 INCH DIAMETER, CROSSING ROADWAYS SHALL BE DUCTILE IRON PIPE.
- ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION.

GENERAL SEWER NOTES:

- ALL DUCTILE IRON PIPE SHALL BE CLASS 50.
- ALL CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 3000 PSI.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS OF PAVEMENT REPLACED WHERE UTILITY LINES ARE TO BE EXTENDED.
- THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE UTILITY COMPANY FOR CONNECTIONS TO THE EXISTING UTILITY LINES.
- THE CONTRACTOR SHALL PROVIDE FOR ANY NECESSARY BONDS AS REQUIRED BY GOVERNING AGENCIES.
- THE CONTRACTOR SHALL CALL "ONE-CALL" AT LEAST THREE BUSINESS DAYS PRIOR TO THE START OF ANY CONSTRUCTION ON THE SITE.
- THE EXISTING UTILITY FACILITIES, EASEMENTS, AND THEIR LOCATION WERE TAKEN FROM ACTUAL FIELD SURVEYS, AS WELL AS READILY AVAILABLE INFORMATION. THE ACTUAL LOCATIONS OF THE UTILITY FACILITIES AND EASEMENTS MAY VARY SOMEWHAT FROM LOCATION SHOWN AND THERE MAY BE UTILITY FACILITIES EXISTING THAT ARE NOT SHOWN OR INDICATED ON THE DRAWINGS. THE SITE UTILITY CONTRACTOR SHALL CONTACT ALL AGENCIES WITH UTILITY FACILITIES IN THE VICINITY OF THE WORK AND SHALL LOCATE ALL UNDERGROUND FACILITIES BEFORE BEGINNING WORK.
- CONTRACTORS SHOULD NOT BE DOING ANY OPEN BURNING OF CONSTRUCTION MATERIALS OR DEBRIS WITHOUT A PERMIT FROM THE DEPARTMENT OF AIR POLLUTION CONTROL. IF A CONTRACTOR DESIRES TO PERFORM OPEN BURNING, HE MUST BE RESPONSIBLE FOR OBTAINING ANY PERMITS AND FOR ANY VIOLATION OF THE AIR POLLUTION LAWS.



TYPICAL PIPE BEDDING DETAIL FOR WATER LINE

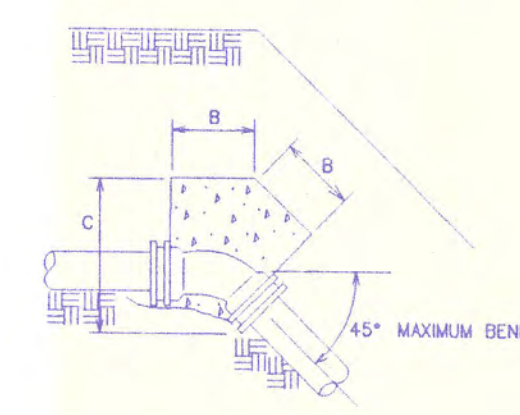


TYPICAL PIPE BEDDING DETAIL FOR WATER LINE

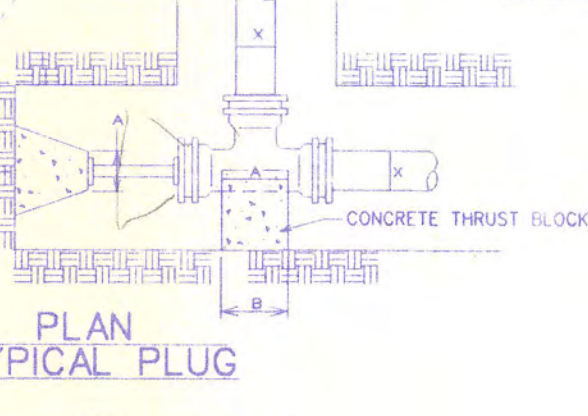
THRUST BLOCK DETAILS FOR WATER LINE

TABLE OF DIMENSIONS FOR HORIZONTAL & VERTICAL SAG BENDS

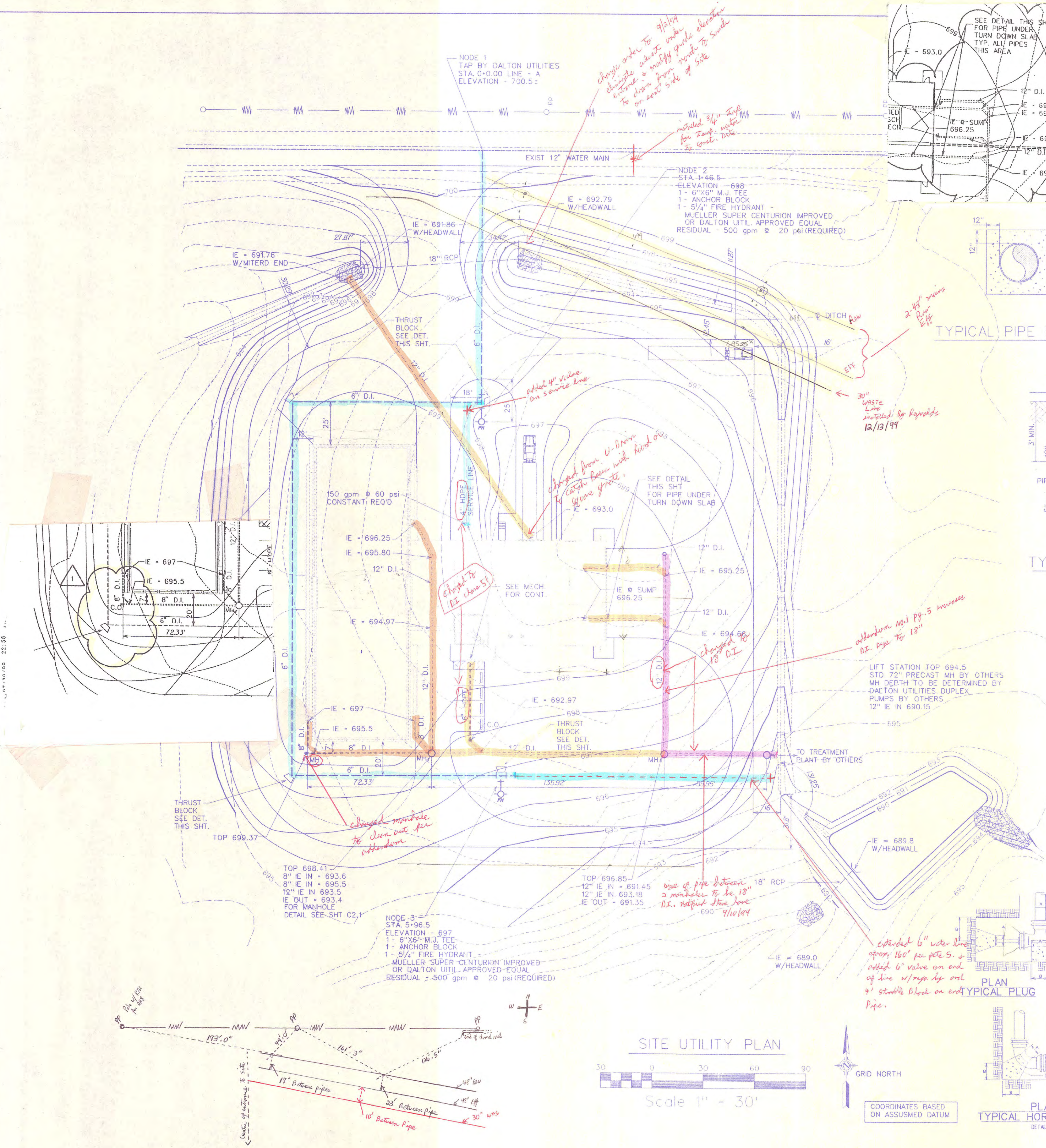
PIPE SIZE X	90° BEND			45° BEND			22 1/2° BEND		
	A	B	C	A	B	C	A	B	C
4"	12"	12"	12"	12"	12"	12"	12"	12"	12"
6"	18"	18"	18"	18"	18"	18"	18"	18"	18"
8"	24"	24"	24"	24"	24"	24"	24"	24"	24"
10"	30"	30"	30"	30"	30"	30"	30"	30"	30"
12"	36"	36"	36"	36"	36"	36"	36"	36"	36"
14"	42"	42"	42"	42"	42"	42"	42"	42"	42"
16"	48"	48"	48"	48"	48"	48"	48"	48"	48"
18"	54"	54"	54"	54"	54"	54"	54"	54"	54"
20"	60"	60"	60"	60"	60"	60"	60"	60"	60"
24"	72"	72"	72"	72"	72"	72"	72"	72"	72"
30"	90"	90"	90"	90"	90"	90"	90"	90"	90"
36"	108"	108"	108"	108"	108"	108"	108"	108"	108"
42"	126"	126"	126"	126"	126"	126"	126"	126"	126"
48"	144"	144"	144"	144"	144"	144"	144"	144"	144"
54"	162"	162"	162"	162"	162"	162"	162"	162"	162"
60"	180"	180"	180"	180"	180"	180"	180"	180"	180"
72"	216"	216"	216"	216"	216"	216"	216"	216"	216"
84"	252"	252"	252"	252"	252"	252"	252"	252"	252"
96"	288"	288"	288"	288"	288"	288"	288"	288"	288"
108"	324"	324"	324"	324"	324"	324"	324"	324"	324"
120"	360"	360"	360"	360"	360"	360"	360"	360"	360"



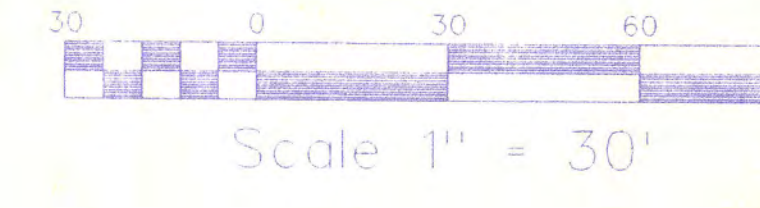
ELEVATION TYPICAL VERTICAL BEND DETAIL 200-100



PLAN TYPICAL HORIZONTAL BEND DETAIL 200-90



SITE UTILITY PLAN

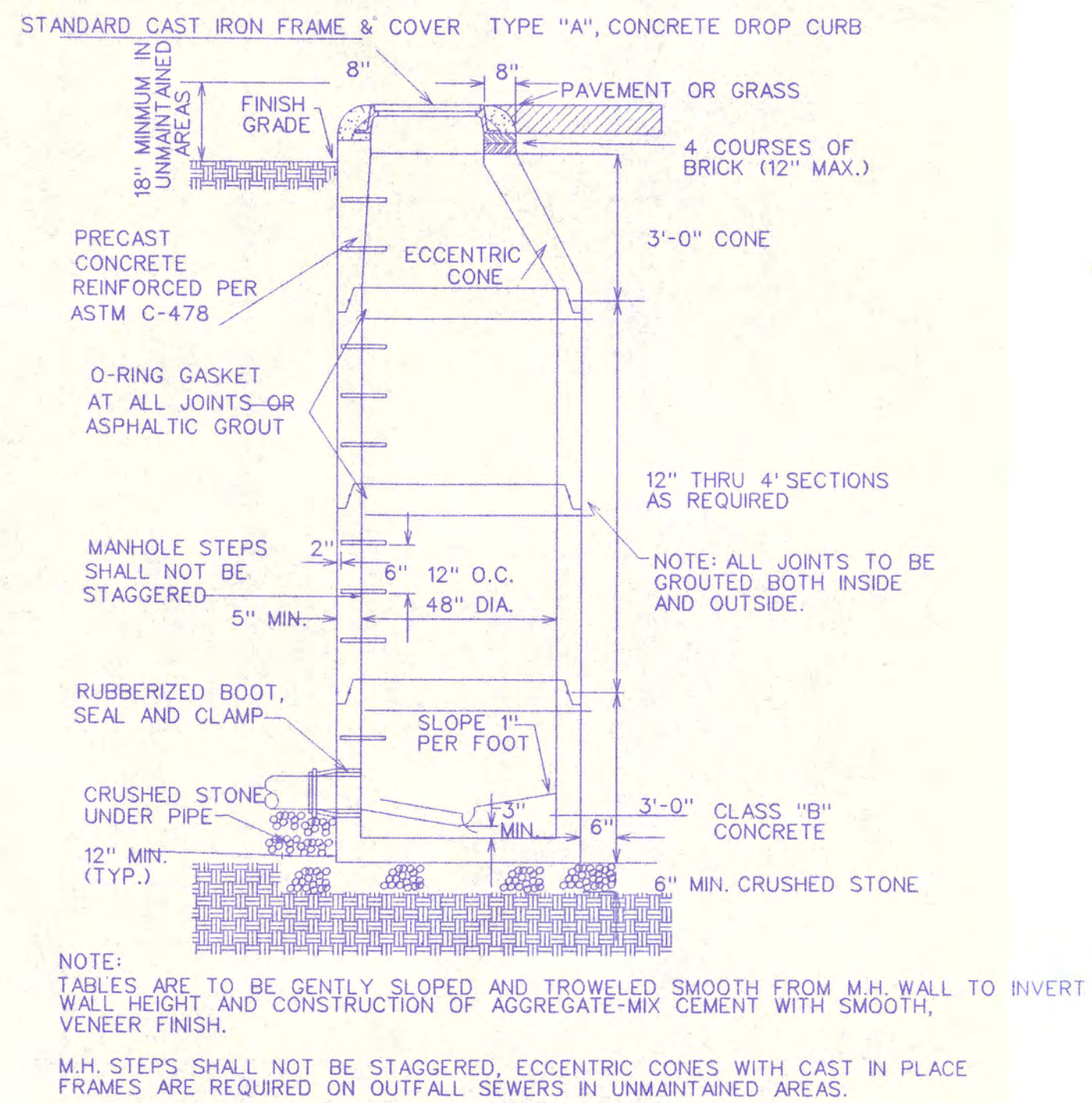


Scale 1" = 30'

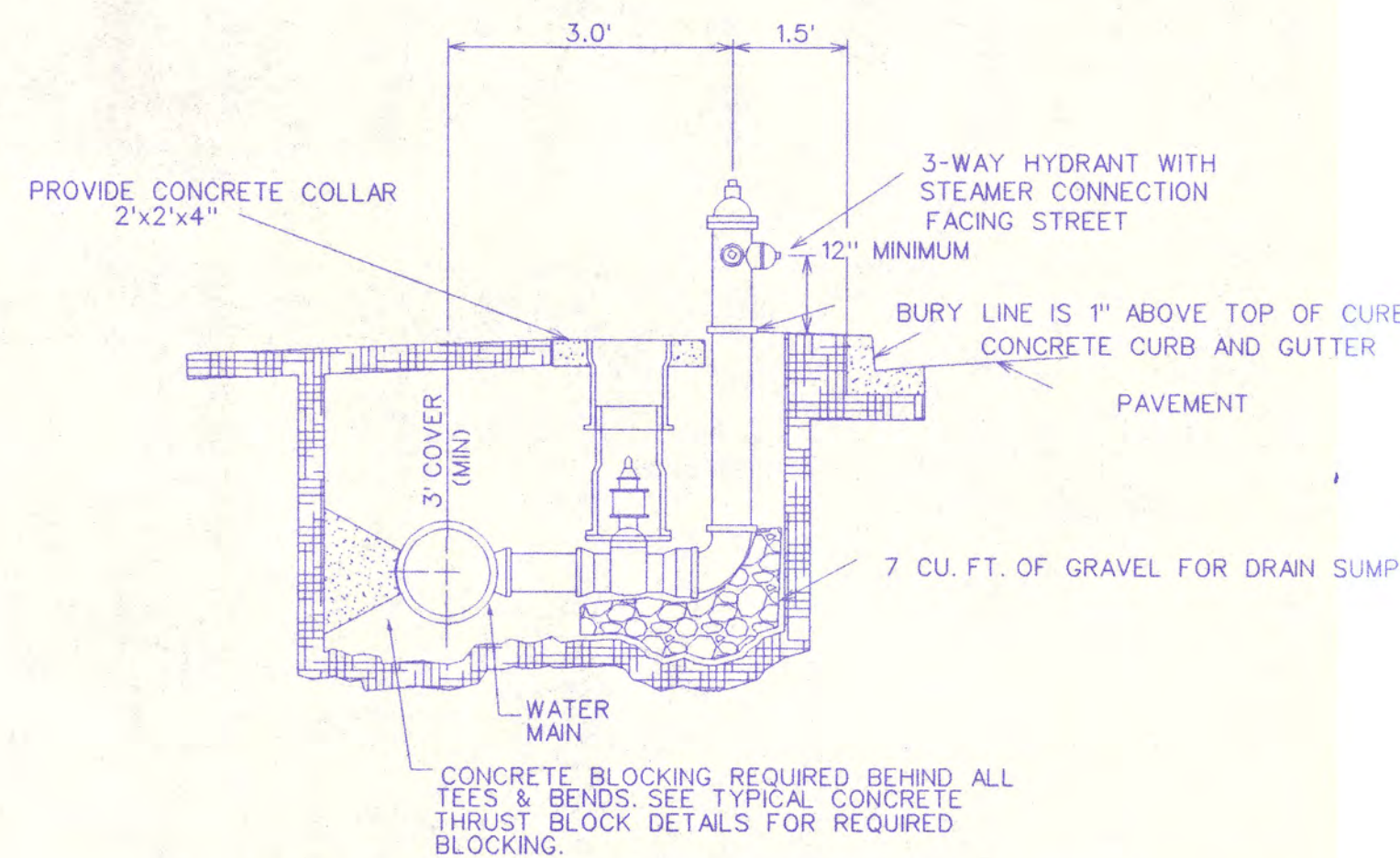


GRID NORTH

COORDINATES BASED ON ASSUMED DATUM

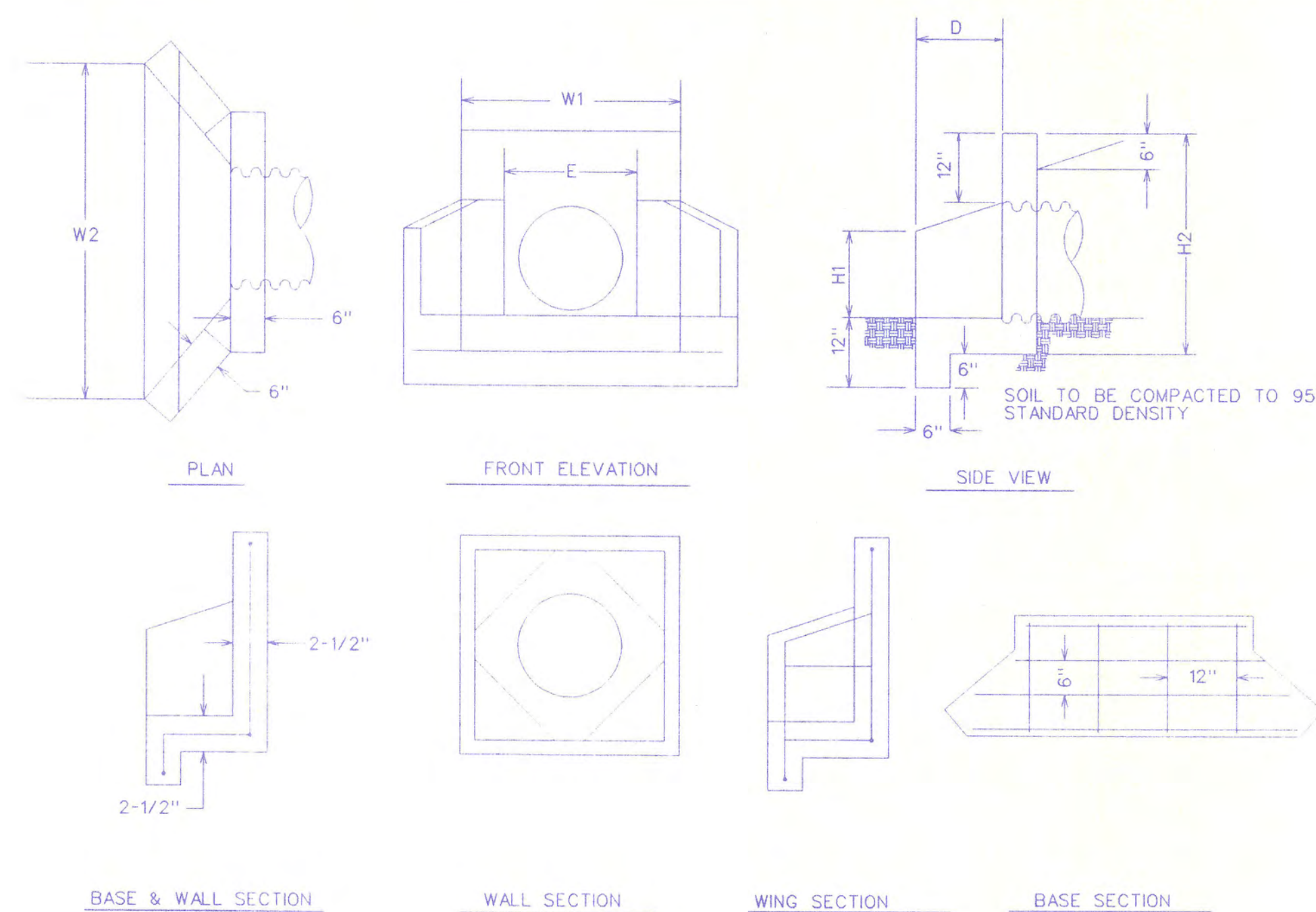
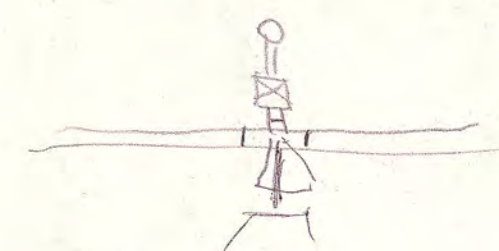


1 STANDARD SANITARY MANHOLE PRECAST SECTION
C2-1 NTS



ALL VALVES MUST BE RATED AT A WORKING PRESSURE OF 200 PSI AND TESTED AT A PRESSURE OF 250 PSI. ALL FIRE HYDRANTS MUST BE ACCOMPANIED BY A MANUFACTURER'S CERTIFICATE THAT STATES EACH HYDRANT HAS BEEN TESTED PER AWWA SPECIFICATION C502-85 OR ANY LATER REVISION.

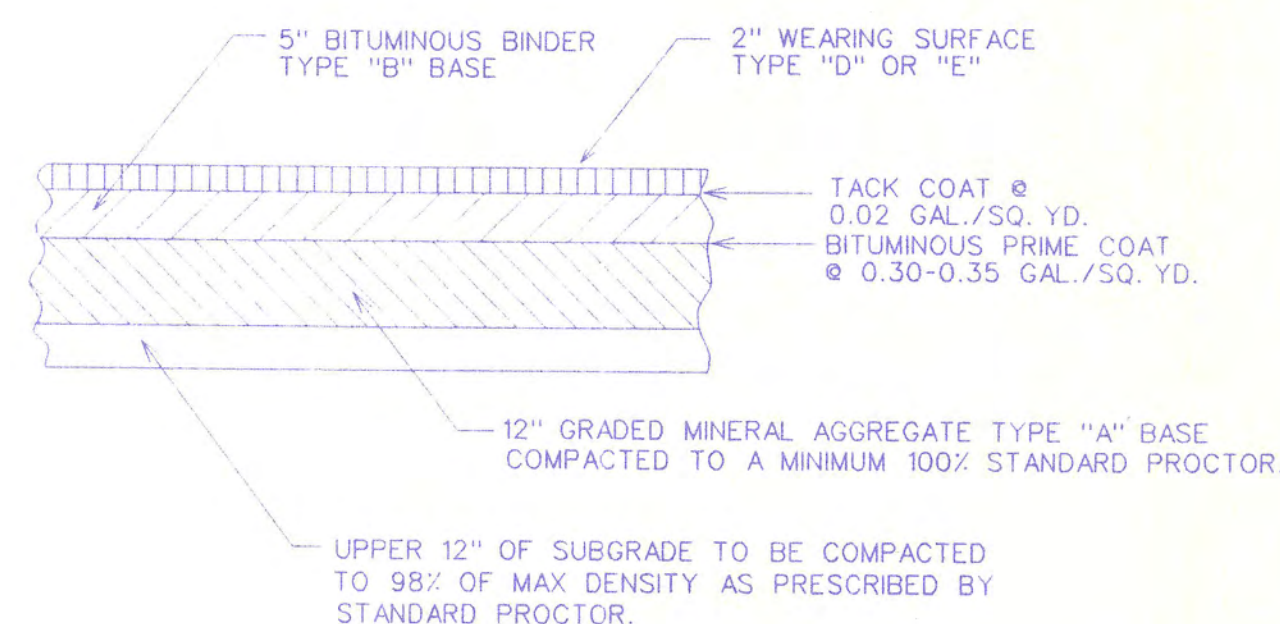
2 TYPICAL FIRE HYDRANT DETAILS
C2-1 N.T.S. MUELLER SUPER CENTURION IMPROVED OR DALTON UTIL. APPROVED EQUAL



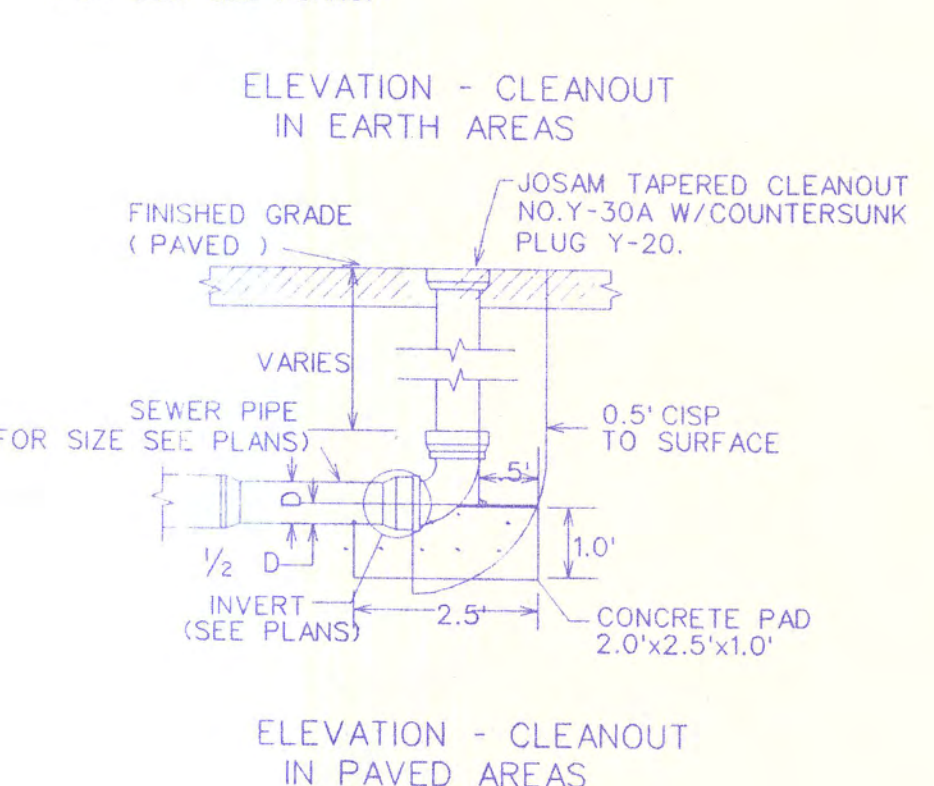
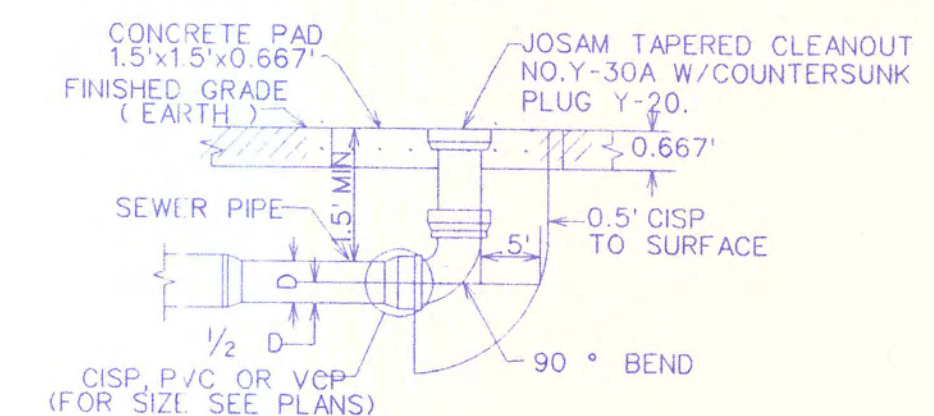
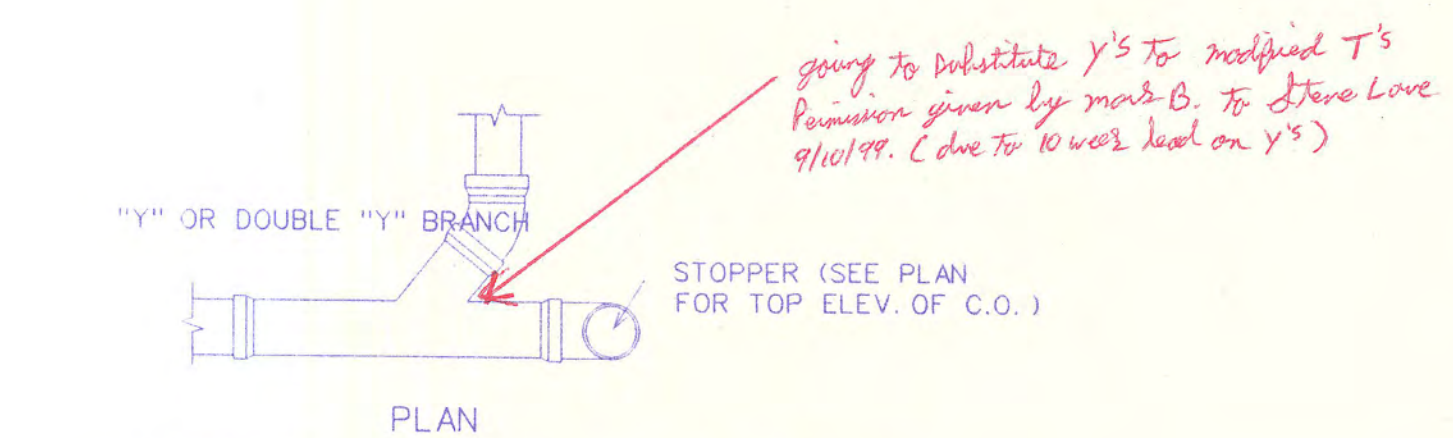
NOTES:
1. ALL CONCRETE SHALL BE 4000 PSI
2. REINFORCEMENT STEEL SHALL BE 1/2" DIA. OF INTERMEDIATE GRADE.
3. CHAMFER ALL EXPOSED EDGES 3/4".

TABLE 1 HEADWALL DIMENSIONS FOR METAL PIPE									
INSIDE DIAM. OF PIPE	W1	W2	H1	H2	D	E	WT	SQ. FT. IN BASE AREA	
18"	3'-2"	4'-10"	1'-3"	3'-2"	1'-3"	1'-9"	1,550	7.34	
21", 24"	3'-8"	6'-1"	1'-9"	3'-8"	1'-6"	2'-3"	2,100	9.90	
30"	4'-2"	7'-2"	2'-0"	4'-2"	1'-10"	2'-9"	2,850	13.50	
36"	4'-8"	8'-4"	2'-4"	4'-8"	2'-2"	3'-3"	3,700	17.65	
42", 48", 54"	5'-8"	10'-10"	3'-3"	5'-8"	2'-11"	4'-3"	5,600	28.60	

3 PRECAST CONCRETE HEADWALL DETAILS
C2-1 NTS

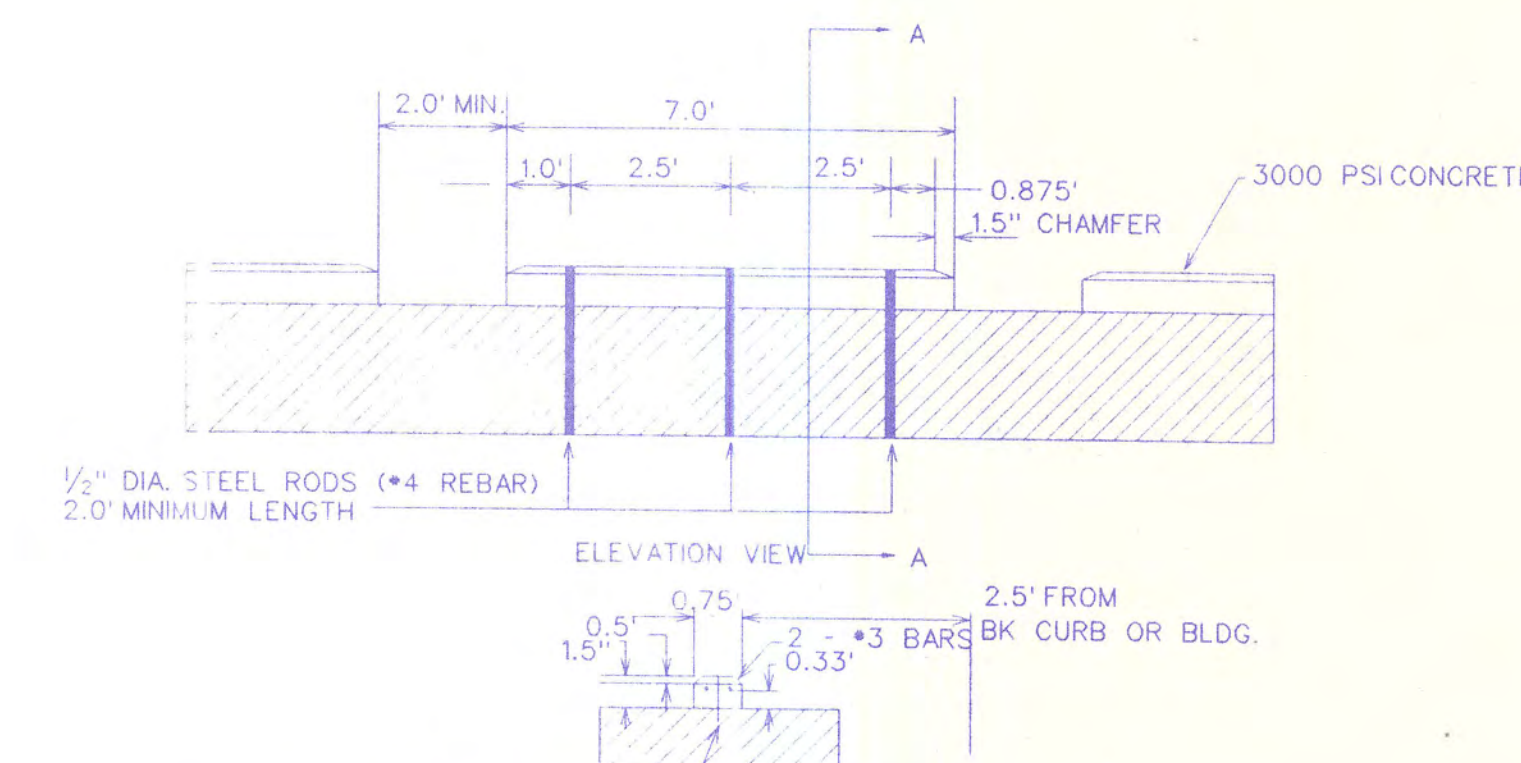


5 HEAVY DUTY PAVEMENT SECTION
C2-1 N.T.S. FOR ASPHALT PAVING ALTERNATE



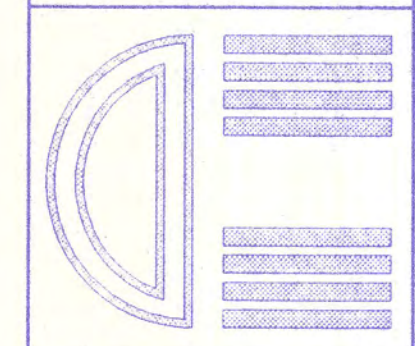
4 TYPICAL CLEANOUT
C2-1 N.T.S.

NOTE: DETAIL AS SHOWN FOR PVC OR D.I. SYSTEMS. TO BE SIMILAR FOR HDPE. HDPE PROVIDER TO SUPPLY FABRICATION DRAWINGS TO ARCHITECT/ENGINEER PRIOR TO INSTALLATION.

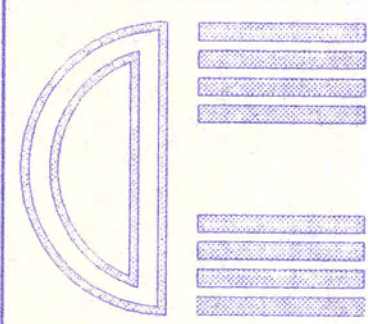


NOTE:
1. ANCHOR RODS TO BE SLEEVED OR GREASED THRU CONCRETE CURBS TO PERMIT RELOCATION OF CURBS.
2. SEE SITE PLAN FOR CURB STOP LOCATIONS. TYPICALLY PLACED 2.5' OFF OF BACK OF CURB

6 CURB STOP DETAIL
C2-1 NTS



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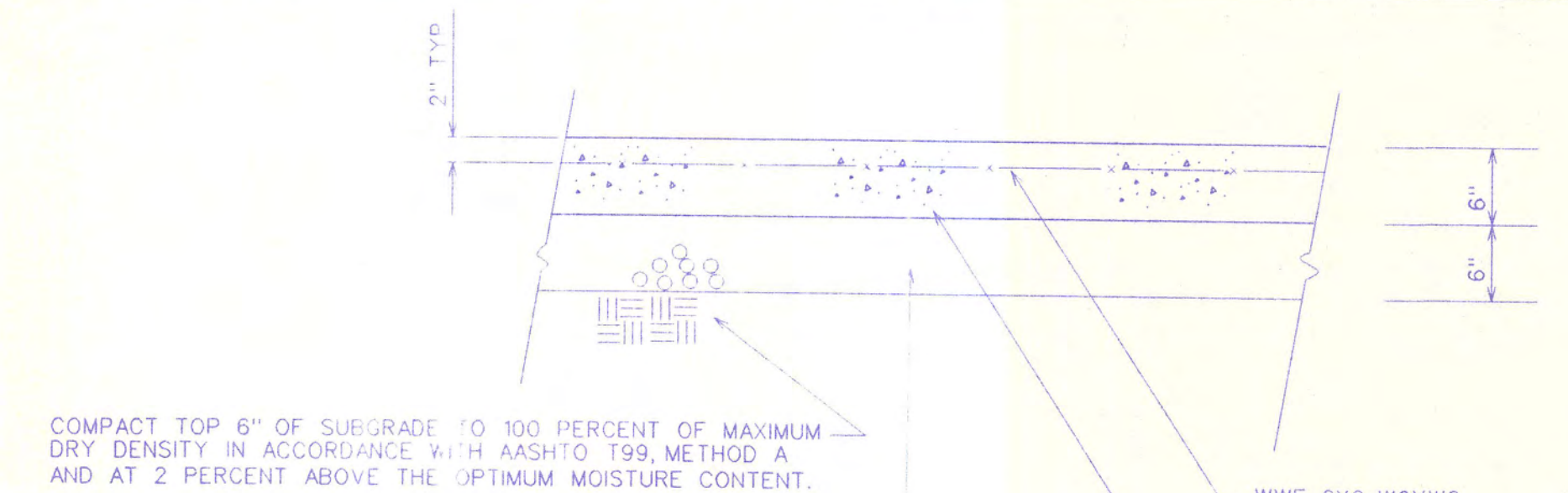
A NEW BUILDING FOR
DALTON UTILITIES
SLUDGE PROCESSING FACILITY
DALTON, GEORGIA
???? ROAD

Approved: *Amory S. Allott*
4/22/99

SHEET INDEX:
PARKING &
PAVING
PLAN

DRAWING NO.:

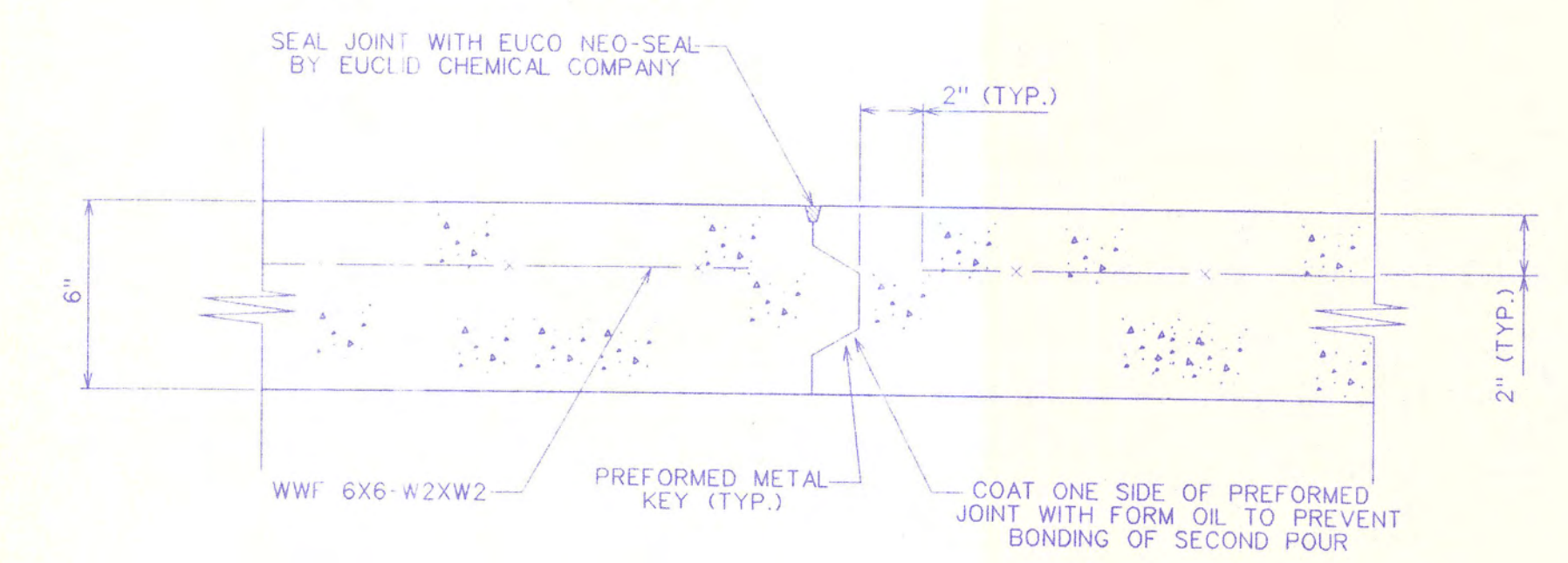
C3-1



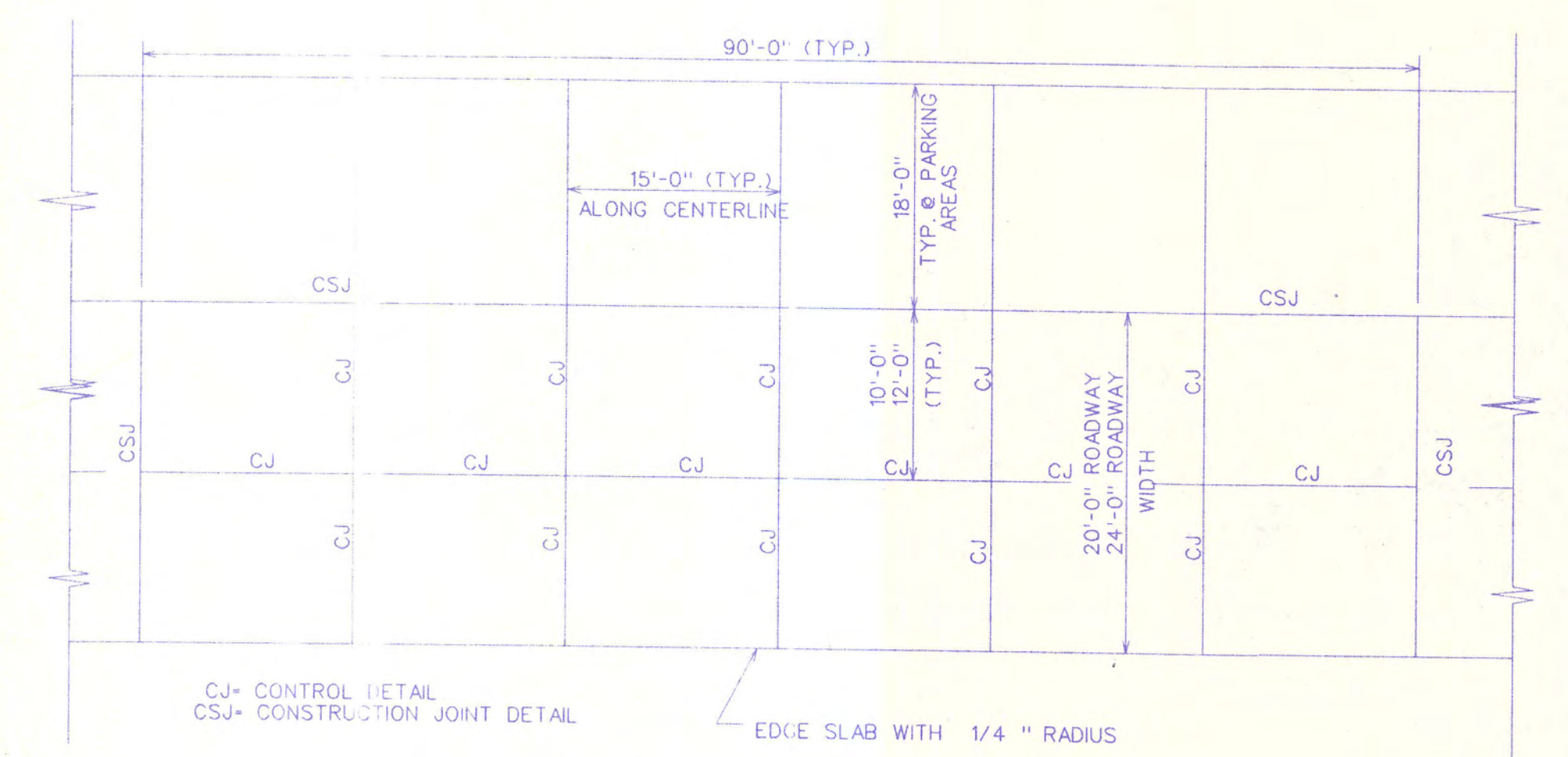
COMPACT TOP 6" OF SUBGRADE TO 100 PERCENT OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AASHTO T99, METHOD A AND AT 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT.

6" MINERAL AGGREGATE BASE
COMPACT TO 100 PERCENT OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AASHTO T99, METHOD A

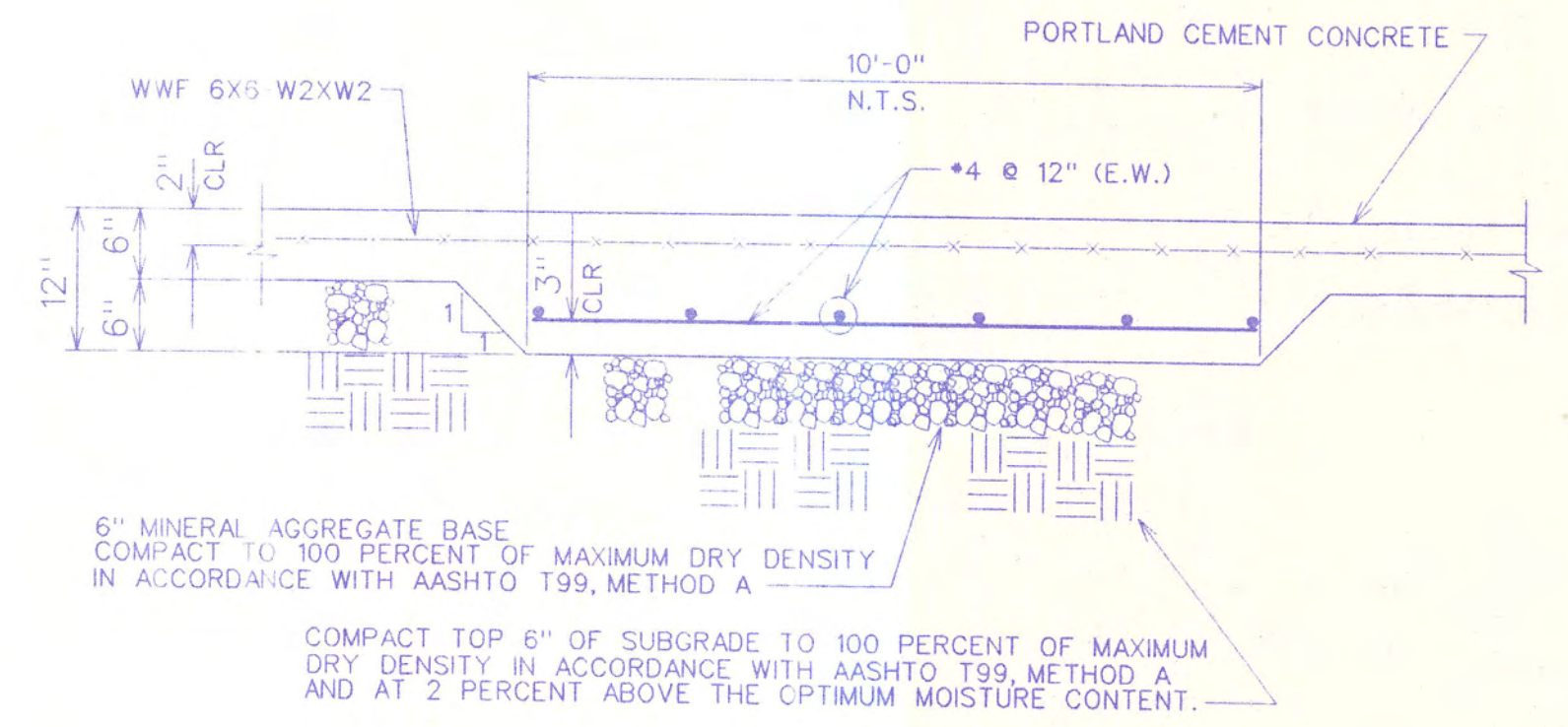
1 TYPICAL CONCRETE ROADWAY PAVEMENT
C3-1 N.T.S.



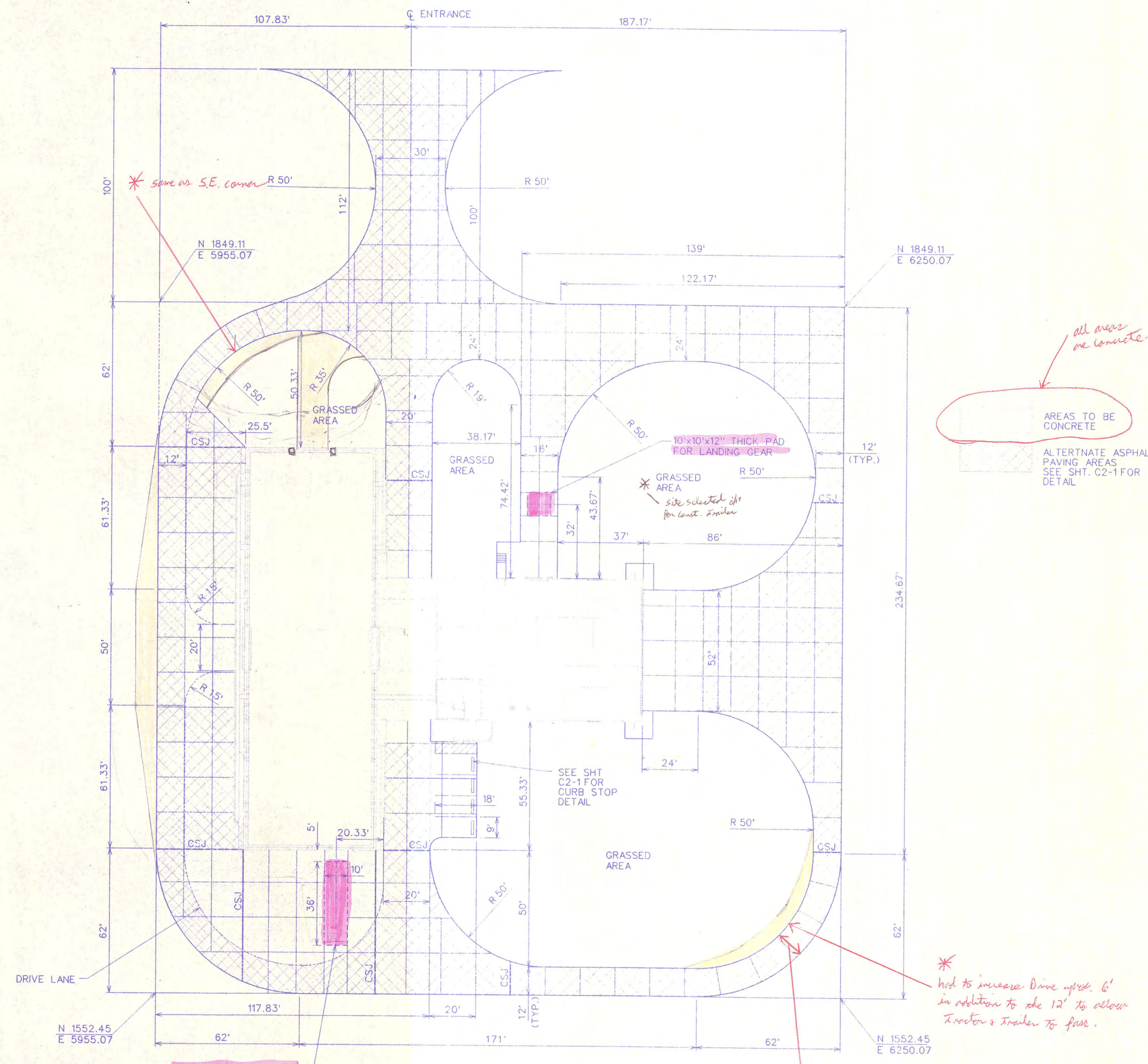
2 TYPICAL ROADWAY CONSTRUCTION JOINT DETAIL (CSJ)
C3-1 N.T.S.



3 TYPICAL JOINT LAYOUT
C3-1 N.T.S.



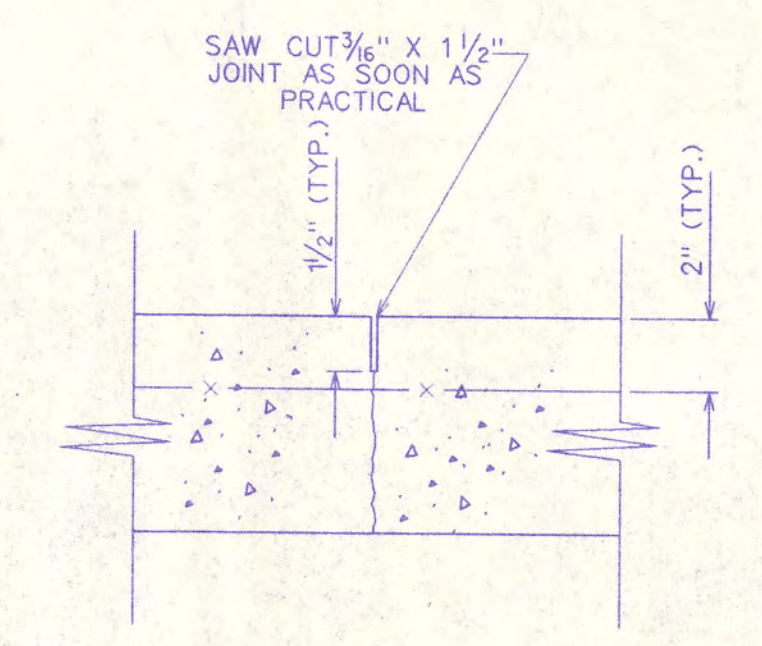
4 TYPICAL THICKENED SLAB AT LANDING GEAR PAD
C3-1 N.T.S.



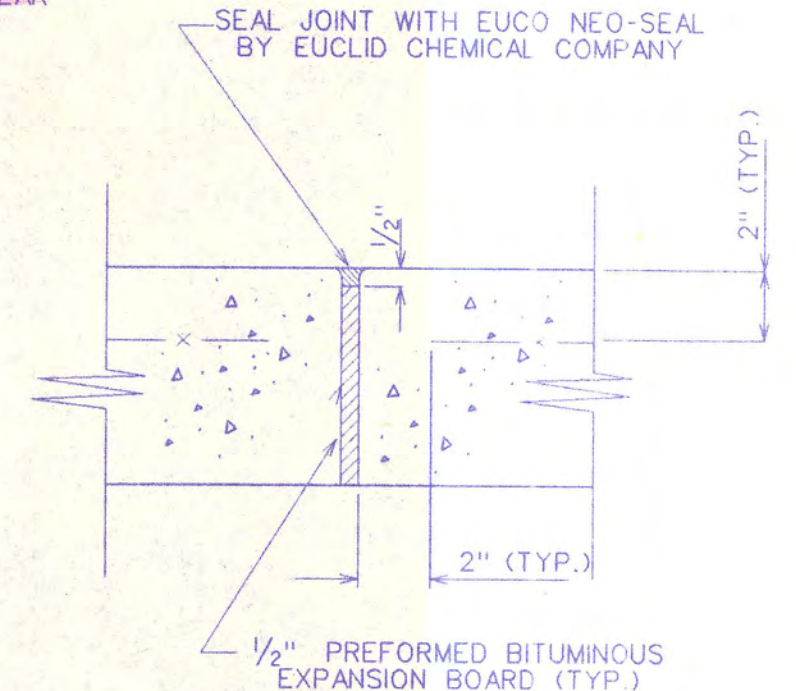
PARKING & PAVING PLAN



COORDINATES BASED ON ASSUMED DATUM



3 TYPICAL ROADWAY CONTROL JOINT (CJ)
C3-1 N.T.S.



4 TYPICAL ROADWAY ISOLATION JOINT (ISJ)
C3-1 N.T.S.



CONDENSING UNIT SCHEDULE										
MARK	TONS	MANUFACTURER	MODEL #	OUT DOOR TEMP	CONDENSER		COMPRESSOR			ELECT.
					AREA	FAN HP	MIN SEER	KW INPUT	STEPS	
CU-1	2	CARRIER	38YCC-024	95	9.11	1/12	10.0	2.49	1	208/1
CU-2	4	CARRIER	38YCC-048	95	22.4	1/4	10.0	4.82	1	208/3
CU-3	4	DESERT AIRE	RC-020	95	-	1/2	10.0	1.1	1	208/3

NOTE:
 CONFIRM ALL REFRIGERANT PIPING SIZES PER MANUFACTURERS SPECIFICATIONS.
 FOR CU-1 AND CU-2 PROVIDE 7/8" SUCTION LINE AND 3/8" LIQUID LINE.
 CONSULT MANUFACTURER SPECIFICATIONS FOR PROPER HOT GAS PIPING PROCEDURES FOR CU-3.
 FOR CU-1 AND CU-2 PROVIDE 5/8" HOT GAS LINE AND 3/8" LIQUID LINE.

GRAVITY RELIEF/INTAKE SCHEDULE							
MARK	MFR.	MODEL	TYPE	THROAT SIZE	MAX.P.D.	CFM	REMARKS
GI-1	GREENHECK	GRS-8	INTAKE	8x8	.08	230	PROVIDE ROOF CURB

GRILLE & DIFFUSER SCHEDULE						
MARK	MFR.	MODEL	TYPE	CONTROL	MATERIAL	FINISH
(A)	TITUS	TMS	24x24 LOUVER FACE LAY-IN DIFFUSER	OBD	STEEL	WHITE
(B)	TITUS	50R	EGG CRATE RETURN GRILLE 1/2x1/2x1/2	---	ALUM	WHITE
(C)	TITUS	300R	SUPPLY AIR GRILL	OBD	STEEL	WHITE

DEHUMIDIFIER SCHEDULE						
MARK	MFR. & MODEL #	LBS/HR	SUP. DUCT HEATER		VOLTS/Ø	NOTE
			MODEL #	KW		
DH-1	DESERT AIRE IH-200	9.0	DH-0200	7	208/3	-

NOTE:
 UNIT SHALL BE CONTROLLED BY ROOM MOUNTED THERMOSTAT WITH DIGITAL READOUT FOR HUMIDITY IN THE SPACE.
 ALL CONTROLS TO BE FURNISHED BY UNIT MANUFACTURER & INSTALLED PER MANUFACTURERS INSTRUCTIONS.

FAN SCHEDULE										
MARK	MFR. & MOD.#	CFM	MOTOR		APPROX. SP	MAX. SONE LEVEL	VOLTS/PH.	REMARKS		
			RPM	HP						
EF-1-4	COOK 30TE7B	6720	930	1	0.375	---	120/1	W/ BDD & CURB		
EF-5	COOK 30TE7B	6720	930	1	0.375	---	120/1	W/ BDD & CURB		
EF-6	BROAN 655	70	---	---	---	3.5	120/1	INTERLOCK FAN W/ LIGHT HEATER ON SEPERATE SWITCH		

EXHAUST FANS 1-5 FINISH SHALL BE CONAIR 500 FLURO POLYMER BAKED ENAMEL TO MATCH ROOF COLOR.
 CURB SHALL CONFORM TO CEILING SLOPE.
 SEE SEQUENCE OF OPERATION FOR CONTROL OF EF-1-5.

LOUVER SCHEDULE						
MARK	MFR. & MODEL	MAX. FT/MIN	MATERIAL	FINISH	CONTROL	NOTES
L-1-6	RUSKIN ELC6375DAF	700	ALUM	MILL	SEE NOTE	PROVIDE BIRD SCREEN & MOTORIZED ACTUATORS

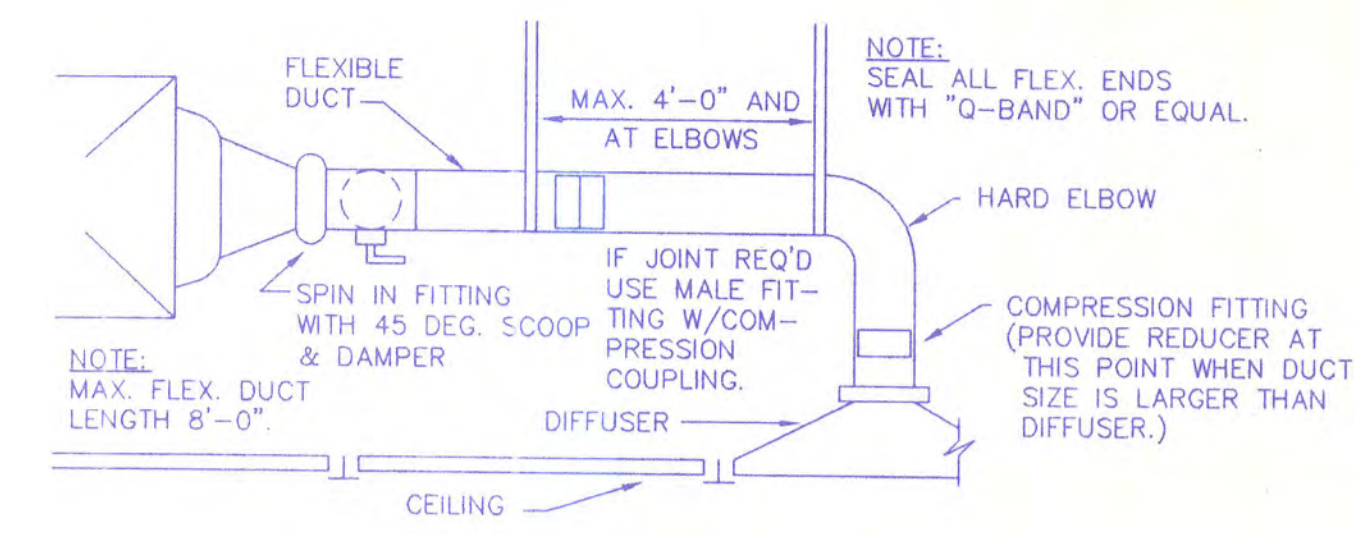
SEE ARCHITECTURAL PLAN FOR PROPER MOUNTING HEIGHT OF LOUVERS.
 SEE EXHAUST FAN SEQUENCE OF OPERATION.

FAN COIL UNIT SCHEDULE (ELECTRIC)																
MARK	TONS	MFR. & MODEL #	FAN				COOLING			HEATING		FILTERS		ELECTRIC		
			TOTAL CFM	O. A. CFM	E.S.P.	MOTOR H. P.	E.A.T. db	TH	SH	KW	STEPS	TYPE	THK	VOLTAGE	Ø	
FCU-1	2	CARRIER FB4A-024	700	80	0.5	1/4	79	66	17.2	15.0	9.1	---	2	TA	208	1
FCU-2	4	CARRIER FB4A-048	1460	150	0.5	3/4	79	65	36.8	33.1	18.6	---	2	TA	208	3

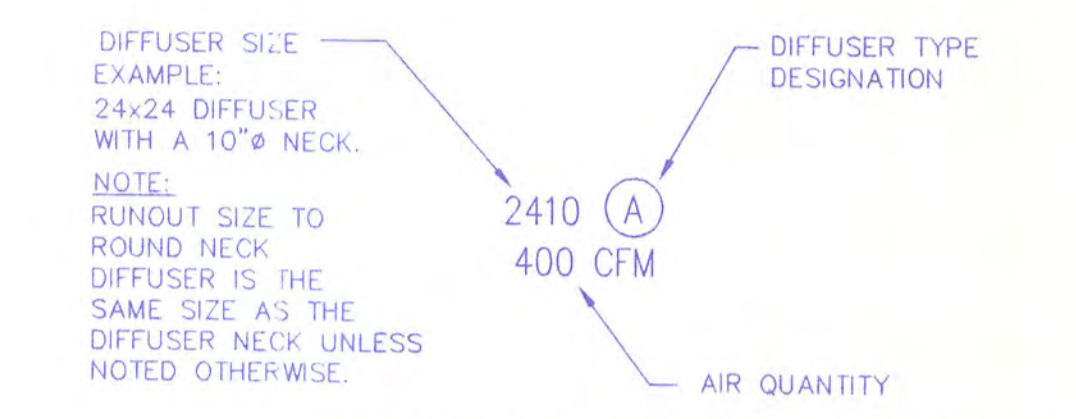
NOTE:
 FANS TO RUN CONTINUOUSLY
 PROVIDE 3/4" CONDENSATE LINE FROM EACH FCU

ELECTRIC UNIT HEATER SCHEDULE						
MARK	MFR. & MOD.#	MBH	CFM	KW	VOLTS/Ø	CONTROL
EUH-1	MODINE PTE 400	137,000	2575	40.0	480/3	THERMOSTAT, SIDE MOUNTING BRACKET

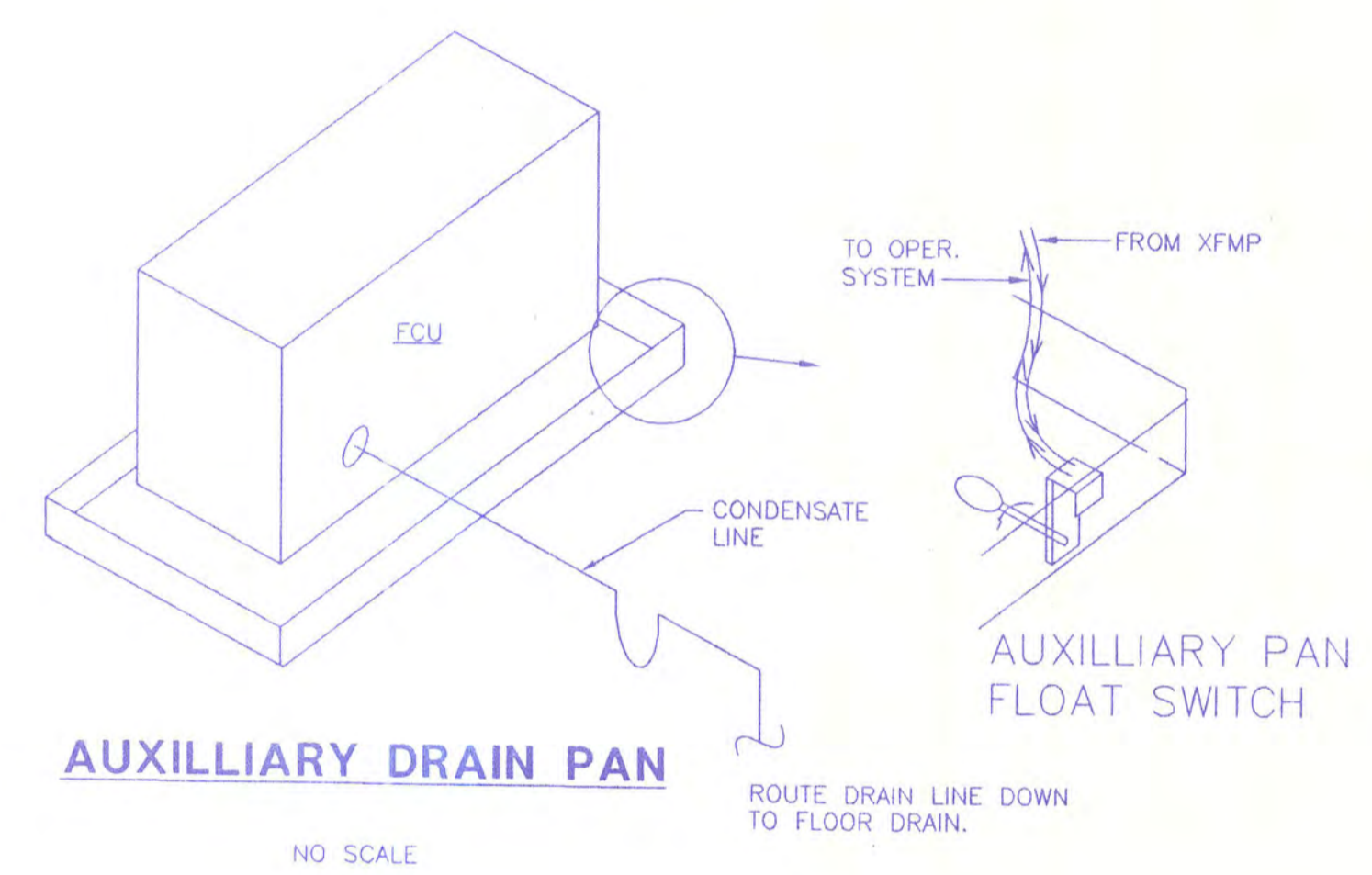
MOUNTING HEIGHT TO BE 15' AFF.



DIFFUSER RUNOUT DETAIL
 NO SCALE



AIR DISTRIBUTION LEGEND



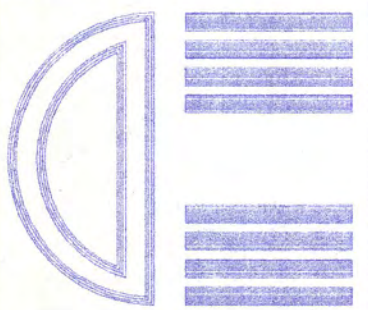
AUXILLIARY DRAIN PAN
 NO SCALE

GENERAL NOTES:

- ROOM T-STATS SHALL BE 5'0" A.F.F. COORDINATE T-STAT LOCATIONS W/ OWNER /ARCHITECT.
- CONTRACTOR SHALL FURNISH ALL NECESSARY DIFFUSER, REGISTER, AND GRILLE MARGIN CONFIGURATIONS AND LEVELING CLIPS TO MATCH THE TYPE OF CEILING CONSTRUCTION IN WHICH THEY ARE INSTALLED.
- ALL DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS UNLESS NOTED OTHERWISE.
- WHERE DUCT OR PIPE PENETRATES INTERIOR WALLS, SEAL VOIDS TO PREVENT AIR TRANSFER BETWEEN SPACES. FIRE RATED OPENINGS SHALL BE SEALED W/ AN APPROPRIATE FIRE RATED CAULKING OR PACKING.
- CONTRACTOR SHALL COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES.
- ALL UNIT CONTROLS SHALL BE PROVIDED VIA UNIT MANUFACTURER I.E. ELECTRONIC PROGRAMMABLE THERMOSTATS.
- FOR AREAS W/ LAY-IN CEILING REFER TO ARCHITECTURAL REFLECTIVE CEILING PLAN FOR EXACT DIFFUSER LOCATIONS.
- ALL FLEXIBLE DUCT SHALL BE MAX. 5'0" IN LENGTH.
- ALL EXHAUST DUCT SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL. NO VENT OR EXHAUST SHALL TERMINATE WITHIN 10'0" OF GRAVITY INTAKE.
- ALL DUCTWORK INSULATION SHALL BE PER ASHRAE ENERGY STANDARD 90.1
- COORDINATE LOUVER LOCATION WITH ARCH. PLAN.
- ALL DUCTWORK SHALL BE PER SMACNA DUCT STANDARDS LATEST EDITION.
- ALL DUCTWORK INSULATION SHALL BE PER ASHRAE ENERGY STANDARD 90.1

EXHAUST FAN SEQUENCE OF OPERATION

- EXHAUST FANS 1,3,4
 EXHAUST FANS 1,3,4 SHALL BE CONTROLLED BY ONE (1) THERMOSTAT SET @ 75° (ADJ.) WITH A SUMMER/WINTER LOCKOUT SWITCH.
 LOUVERS 2,3,4,6 SHALL BE INTERLOCKED WITH EXHAUST FANS 1,3,4. THESE FANS ARE FOR SUMMER VENTILATION.
- EXHAUST FAN 2
 EXHAUST FAN 2 IS FOR YEAR ROUND VENTILATION AND SHALL BE CONTROLLED BY A SEPERATE THERMOSTAT SET @ 40° (ADJ.). LOUVERS 1 & 5 SHALL BE INTERLOCKED WITH EXHAUST FAN 2.
- EXHAUST FAN 5
 EXHAUST FAN 5 SHALL BE CONTROLLED BASED ON THE SPACE TEMPERATURE AND THE AMOUNT OF SPACE CARBON DIOXIDE PRESENT.

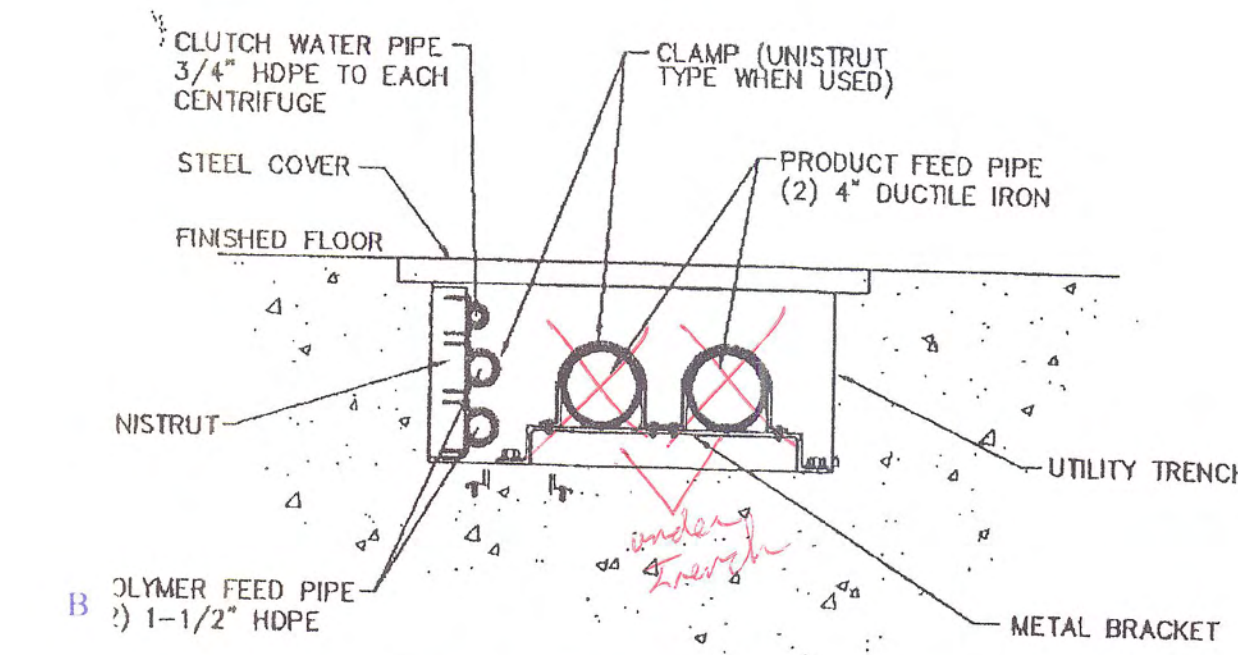


CONTRACTOR RELATED TO UTILITIES AND

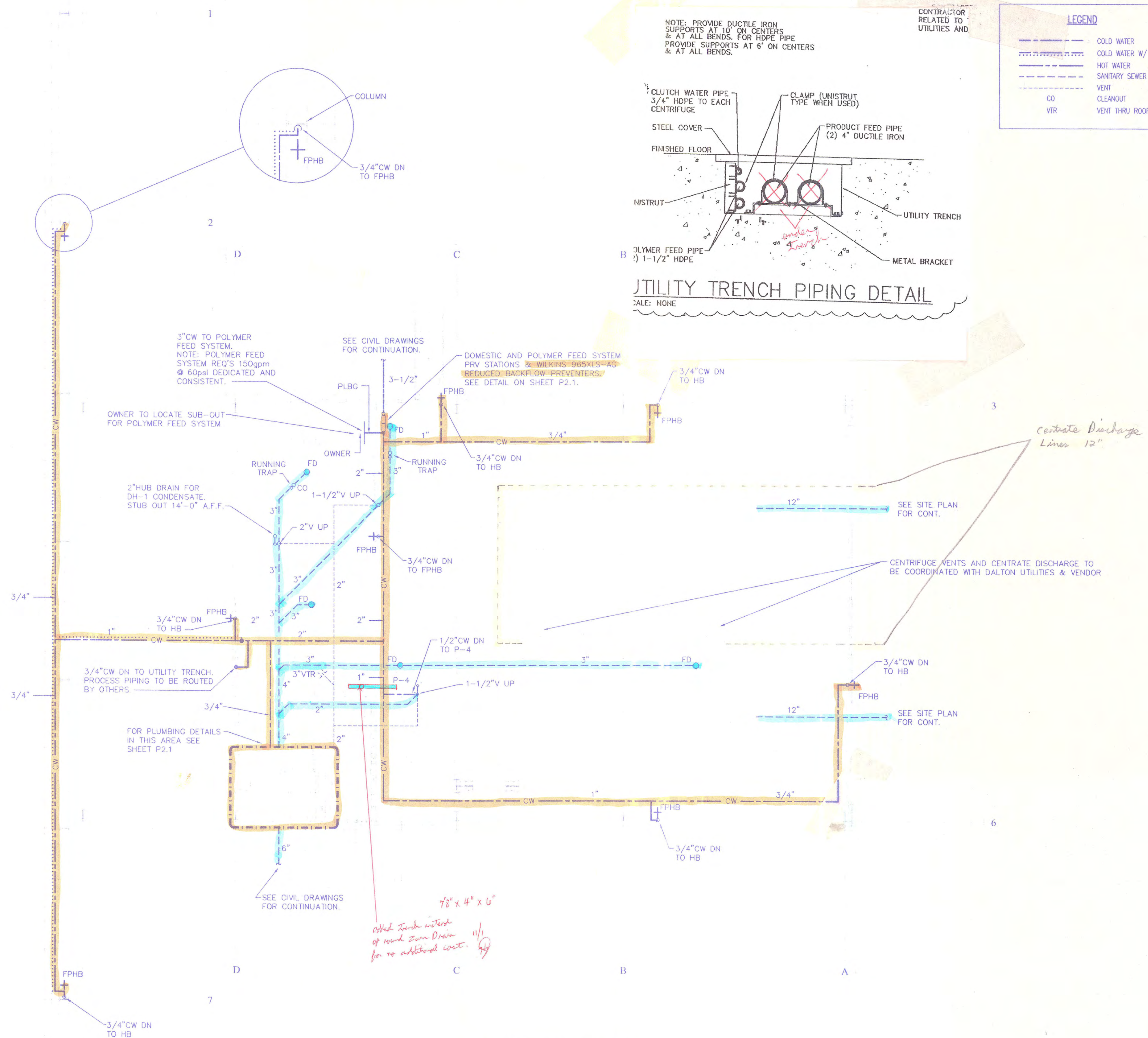
LEGEND

	COLD WATER
	COLD WATER W/ HEAT TRACING
	HOT WATER
	SANITARY SEWER
	VENT
CO	CLEANOUT
VTR	VENT THRU ROOF

NOTE: PROVIDE DUCTILE IRON SUPPORTS AT 10' ON CENTERS & AT ALL BENDS. FOR HDPE PIPE PROVIDE SUPPORTS AT 6' ON CENTERS & AT ALL BENDS.



UTILITY TRENCH PIPING DETAIL
SCALE: NONE



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

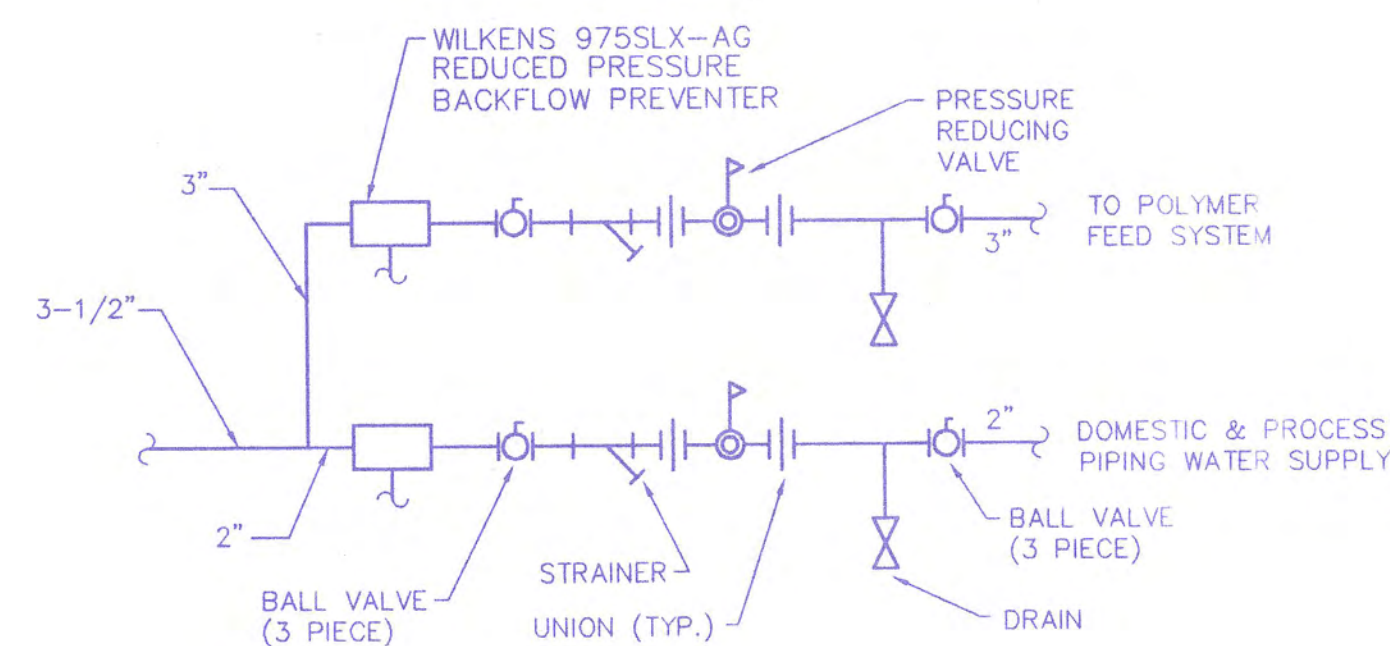
LEGEND	
---	COLD WATER
---	HOT WATER
---	SANITARY SEWER
---	VENT
CO	CLEANOUT
VIR	VENT THRU ROOF

PLUMBING FIXTURE SCHEDULE												
MARK	FIXTURE TYPE	MFR.	CAT. NO.	SIZE/MTG.	TRIM	SUPPLIES	WASTE	TRAP	ROUGH-IN (INCHES)			
									C.W.	H.W.	WASTE VENT	
P-1	COUNTERTOP LAVATORY	AMERICAN STANDARD	0476.028	20x17	SYMMONS S-20-2-G	Z8804LR	Z8743	Z8700	1/2"	1/2"	2"	1 1/2"
P-2	FLUSH TANK WATER CLOSET	AMERICAN STANDARD	2174.014	14"	OLSENITE WHITE #10 CC-SS	Z8804CR	-	-	3/4"	-	3x4	2"
P-3	SHOWER	AQUAGLASS	AG4888	48"	DELTA 1325	-	-	P-TRAP	3/4"	3/4"	2"	1 1/2"
P-4	E.W.C.	OASIS	PLF8M	-	-	Z8804LR	-	Z8702	1/2"	-	2"	1 1/2"
P-5	SINGLE BWL S.S. SINK	ELKAY	DSE-12522	8" DEEP	SYMMONS S-23	Z8804LR	Z8743	Z8700	1/2"	1/2"	2"	1 1/2"
HB	FREEZE PROOF HOSE BIBB	WOODFORD	14	-	-	-	-	-	1/2"	-	-	-
FD	FLOOR DRAIN	ZURN	Z-415	4"	-	-	-	-	-	-	-	-

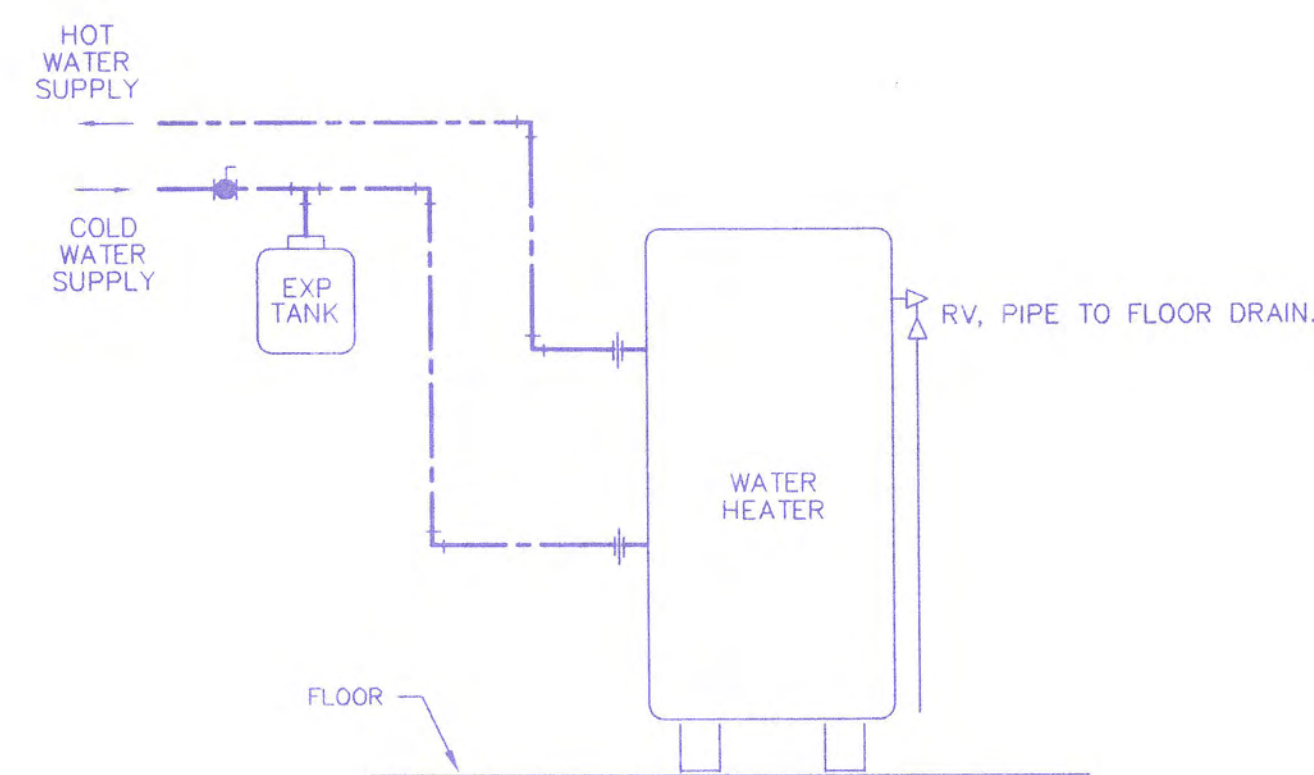
ELECTRIC WATER HEATER SCHEDULE						
MARK	MFR.	MODEL NO.	CAPACITY GALLONS	HEATING ELEMENTS # - KW	VOLTAGE	CONTROL
WH-1	STATE	PV-40-10RT	40	1-4.5	240/1	INTEGRAL

EXPANSION TANK SCHEDULE			
MARK	MFR.	MODEL NO.	CAPACITY GALLONS
ET-1	WILKINS	WXTP-8	2

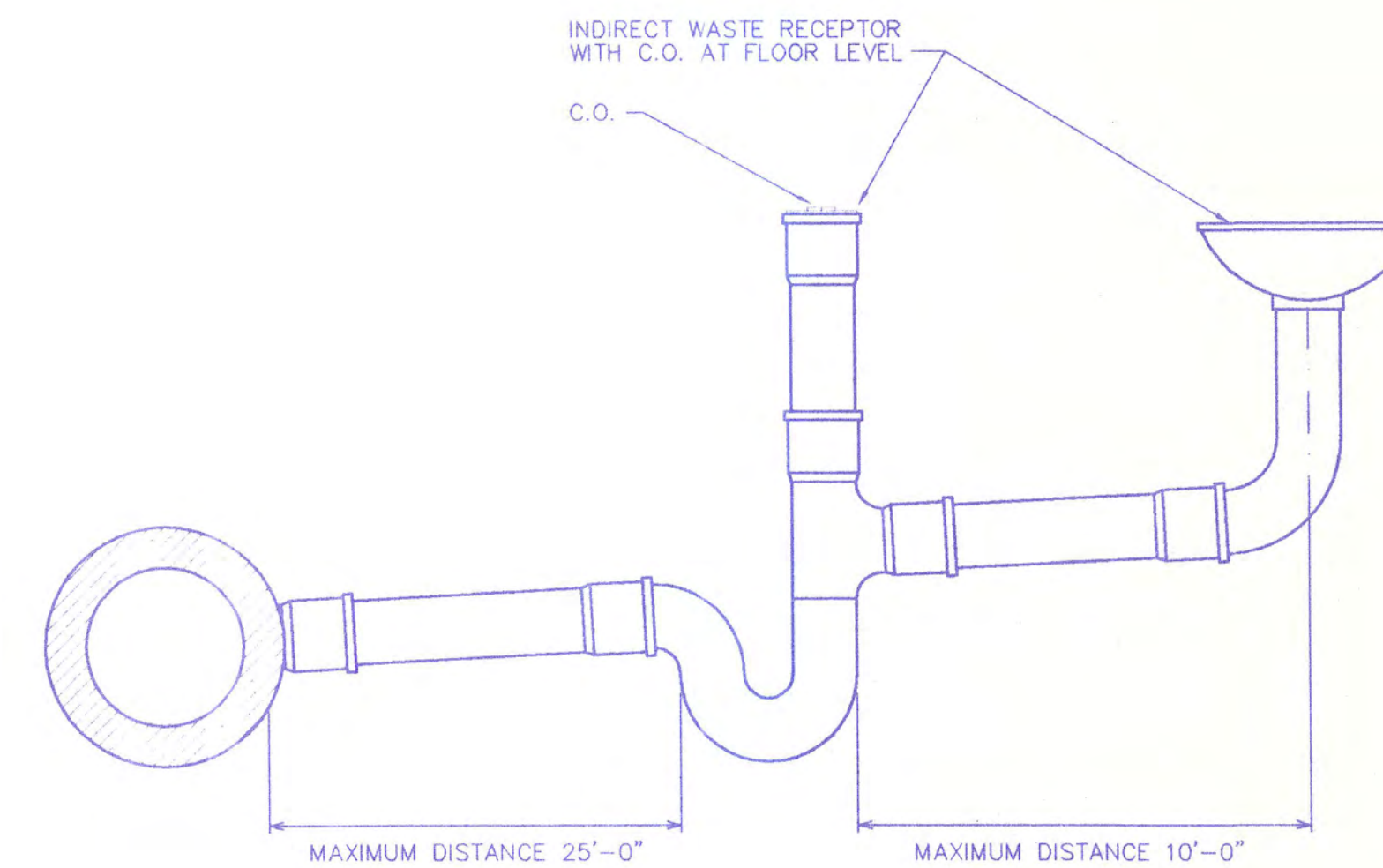
NOTE: RELIEF VALVE MUST NOT BE SET OVER 150 PSIG



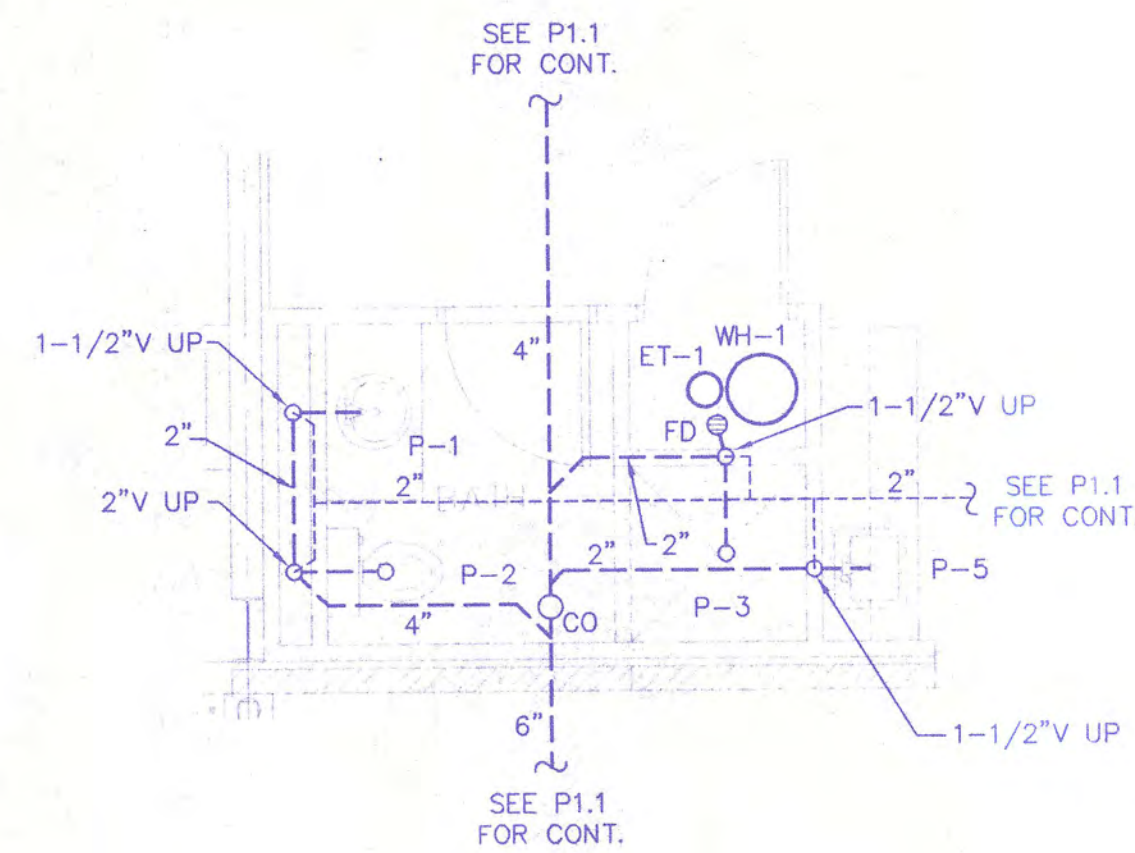
TYPICAL PRV STATION
SCALE: NONE



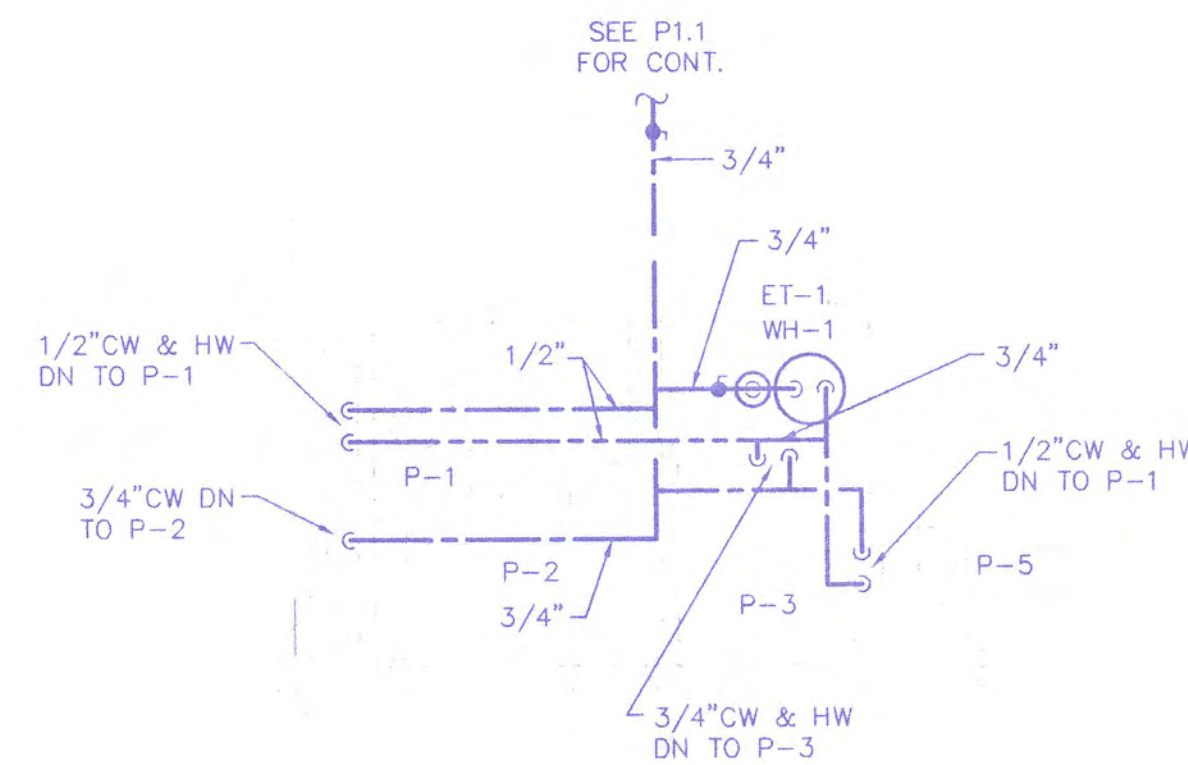
WATER HEATER HOOK-UP DETAIL
SCALE: NONE



RUNNING TRAP DETAIL
SCALE: NONE



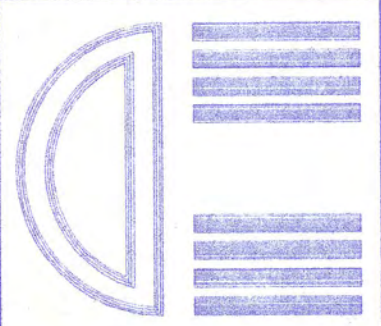
ENLARGED SOIL, WASTE AND VENT PLAN
SCALE: 1/4" = 1'-0"



ENLARGED DOMESTIC WATER PLAN
SCALE: 1/4" = 1'-0"

PROJECT NO.: 9907
DATE: 6/22/99

FILE NAME: BEN/P:9907-SLUDGE
Jennings-King Architects, Inc.
P.O. Box 1679
121 West Crawford Street
Dalton, Georgia 30722
(706) 278-4242



A NEW BUILDING FOR
DALTON UTILITIES
SLUDGE PROCESSING FACILITY
DALTON, GEORGIA
????? ROAD



SHEET INDEX:

DRAWING NO.: P2-1

March Adams & Associates
Consulting Engineers
Chattanooga, Tennessee
Phone (423) 698-6675

AutoCAD File: S:\39053_DaltonUtilitiesSludgeProcessing\Mech\0539201.dwg Plotted at: Tue Jun 29 16:35:10 1999
ESK ace9455

ELECTRICAL SYMBOLS LEGEND

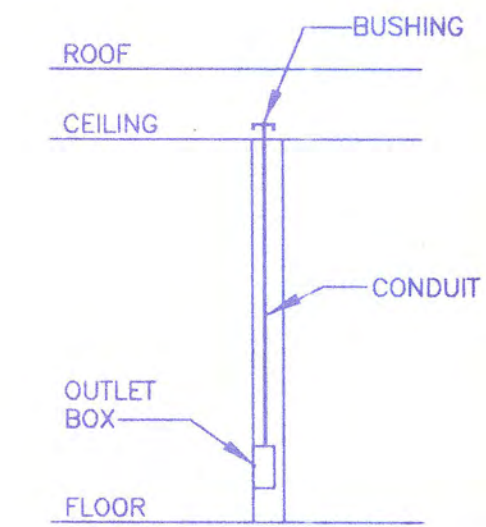
- RECESSED OR SURFACE MOUNTED INCANDESCENT FIXTURE
"A" INDICATES DESIGNATION IN LIGHTING FIXTURE SCHEDULE
"b" INDICATES SWITCH CONTROL
- RECESSED FLUORESCENT LIGHTING FIXTURE
NOTATION SAME AS FOR INCANDESCENT ABOVE
- SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE
NOTATION SAME AS INCANDESCENT ABOVE
- EXIT SIGN, SEE LIGHTING SCHEDULE FOR INCLUSION OF EMERGENCY BATTERY PACKS. SHADING INDICATES NUMBER AND ORIENTATION OF FACES
- WALL MOUNTED SWITCH, MOUNT 48 IN. A.F.F. UNLESS OTHERWISE NOTED. NUMBER INDICATES TYPE (THREE WAY, ETC.), LETTER INDICATES IDENTITY OF SWITCH IN REFERENCE TO LIGHTING FIXTURE
- PANELBOARDS; RECESSED OR SURFACE MOUNTED AS NOTED IN PANEL SCHEDULE. UNLESS OTHERWISE NECESSARY BY HEIGHT OF CABINET, MOUNT SO THAT TOP IS AT 6'-0" A.F.F.
- HOME RUN TO PANELBOARD IN CONDUIT. LETTER INDICATES PANEL, NUMBER INDICATES CIRCUIT NUMBER. CROSS HATCHES INDICATE NUMBER OF CONDUCTORS, CONDUCTORS TO BE # 12 AWG UNLESS OTHERWISE NOTED.
- CONDUIT IN FLOOR SLAB OR UNDERGROUND, 3/4 IN. UNLESS OTHERWISE NOTED
- JUNCTION BOX, SIZE AND USE AS REQUIRED
- DISCONNECT SWITCH, HEAVY DUTY SAFETY SWITCH TYPE
SIZE AND FUSE SIZE SHOWN ON DRAWINGS
- DUPLEX RECEPTACLE OUTLET MOUNTED 12 IN. A.F.F.
HALF SHADING INDICATES MOUNTING AT 48 IN. A.F.F.
"WP" INDICATES WEATHER PROOF
- 240v OR 208v RECEPTACLE.
- TELEPHONE OUTLET, MOUNT AT 12 IN. A.F.F.; HALF SHADING INDICATES MOUNTING AT 48 IN. A.F.F.
- CABLE TV CONNECTION, CONTACT CABLE CO FOR INSTALLATION MOUNT @ 12" A.F.F..
- PROVIDE EMPTY BOX, FACEPLATE, AND CONDUIT STUB OUT MOUNT @ 12" A.F.F. FOR FUTURE USE WITH COMPUTER NETWORK SYSTEM.
- PROVIDE SPEAKER SYSTEM CEILING MOUNTED TYPE TO MATCH EXISTING SPEAKER SYSTEM.

LIGHTING FIXTURE SCHEDULE

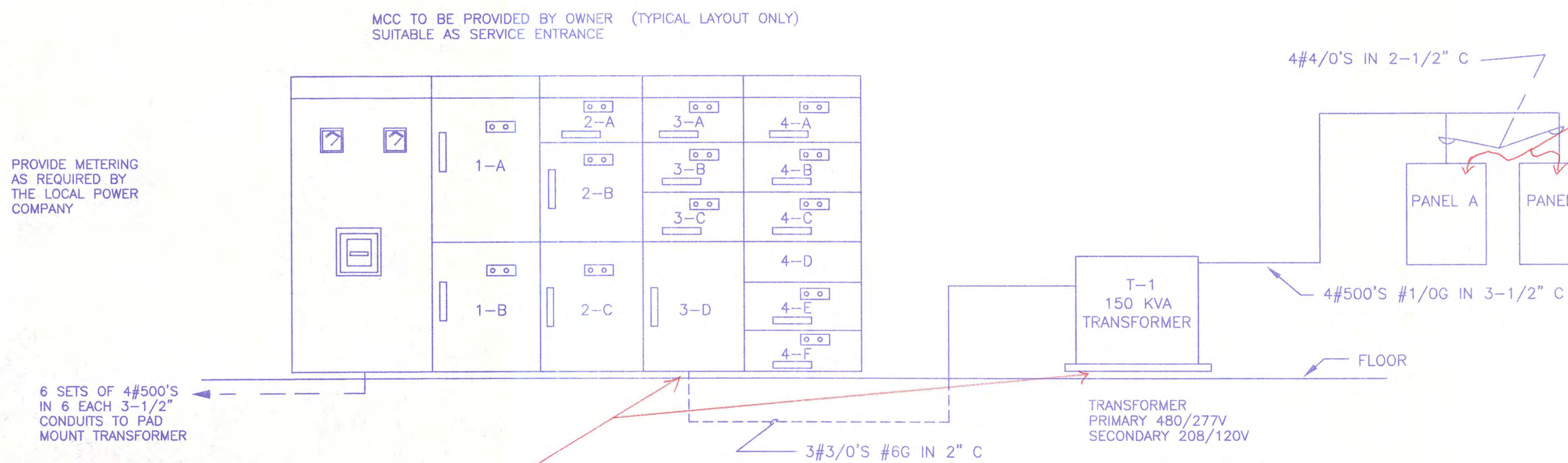
TYPE	DESCRIPTION
A	2 FT. BY 4 FT. RECESSED FLUORESCENT FIXTURE, 4-40 WATT COOL WHITE LAMPS, 0.095 IN. THICK ACRYLIC LENS, WHITE TRIM FLUSH STEEL DOOR, 120 VOLT, ELECTRONIC BALLAST, HUBBELL # RS4GNA01B1E.
B	2 FT. BY 4 FT. RECESSED FLUORESCENT PARABOLIC FIXTURE, 2-32 WATT COOL WHITE LAMPS, 5.5 IN. DEEP SPECULAR PARABOLIC LOUVER-18 CELL 120 VOLT, ELECTRONIC BALLAST, HUBBELL # RD2GSZBLB1E.
EA	TYPE A FIXTURE WITH AN EMERGENCY BATTERY PACK IN ADDITION TO THE REGULAR BALLAST
C	FVS COMPACT FLUORESCENT LIGHTING FIXTURE, SILICONE SEALING GASKET, SHATTER-RESISTANT POLYMERIC LENS (.125 THICK), 2-LAMP SINGLE ENDED FIXTURE SUITABLE FOR WET LOCATION, 40 WATT/LAMP ELECTRONIC BALLAST CROUSE-HINDS CAT# FVS20
D	ONE-PIECE, TOTALLY ENCLOSED-AND-GASKETED ARC TEC II SPUN ALUMINUM ANODIZED REFLECTOR, DAMP LOCATION LISTED, CLEAR, TEMPERED, GLASS LENS, METAL HALIDE 175W LAMP HIGH BAY FIXTURE, LITHONIA TE 175M E17M TB 120
F	WALL MOUNTED AREA LIGHTER, CORROSION-RESISTANT DIE CAST ALUMINUM HOUSING, SPECULAR ANODIZED ALUMINUM REFLECTOR, LENS IS SEALED AND GASKETED 175W METAL HALIDE LAMP, LITHONIA TWH 175M 120
K	DUST AND MOISTURE RESISTANT ALUMINUM BODY, 8' FLUORESCENT STRIP TWO LIGHT FIXTURE, 75W SLIMLINE, ELECTRONIC BALLAST LITHONIA DMA2 96 120
J	HID 7" DOWNLIGHT, 100 WATT METAL HALIDE, BLACK CONE TRIM LITHONIA #AH100M 7 BC 120 TRW-GL
EG	EMERGENCY BATTERY PACK LIGHT, COMMERCIAL INDUSTRIAL, ALL METAL HOUSING, BEIGE FINISH, PAR 36 LAMPS. PROVIDES 90 MINUTES OF EMERGENCY OPERATION, PUSH TO TEST SWITCH, 14.5 IN WIDE, 8 IN HIGH, 3 IN EXTENSION, 120 VOLT INPUT. HUBBELL #HP12-36
H-V-L	HEAT-VENT-LITE WIRED BY ELECTRICAL CONTRACTOR. BROAN 655
XA	EMERGENCY EXIT SIGN, WHITE STENCIL FACE, RED LETTERS, UNIVERSAL MOUNT, EMERGENCY BATTERY PACK, 120 VOLT, HUBBELL # PUPRW19 PATHFINDER SERIES

GENERAL NOTES

- VERIFY ALL DOOR SWINGS WITH THE ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN LIGHT SWITCHES TO INSURE PROPER LOCATION. VERIFY ALL CASEWORK HEIGHTS TO INSURE THAT ALL OUTLETS ABOVE CASEWORK ARE AT THE PROPER HEIGHT.
- VERIFY THE EXACT LOCATION OF ALL MOTORS AND EQUIPMENT OF ELECTRICAL AND OTHER TRADES BEFORE ROUGHING IN ELECTRICAL WORK. ALSO ADVISE OTHER TRADES OF THE LOCATION OF ELECTRICAL WORK WHICH WILL AFFECT THEIR WORK, PRIOR TO THE INSTALLATION OF THE ELECTRICAL WORK.
- ALL LIGHT FIXTURES ARE TO BE CHECKED BEFORE ROUGHING IN TO INSURE THAT THEY CAN BE MOUNTED AS DIRECTED BY THE DRAWINGS AND THAT THERE IS ENOUGH SPACE TO ALLOW SUCH.
- ALL DIMENSIONS AFFECTING ELECTRICAL WORK ARE TO BE CAREFULLY CHECKED AND VERIFIED WITH THE GENERAL CONTRACTOR BEFORE ANY WORK IS DONE.
- UNLESS OTHERWISE NOTED IN THE WRITTEN SPECIFICATIONS OR ON THE DRAWINGS, ALL ELECTRICAL WORK AND ELECTRICAL EQUIPMENT ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- ALL WALL OUTLETS ARE TO BE LOCATED 12 INCHES ABOVE THE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- ALL SURFACE MOUNTED LIGHTING FIXTURES ARE TO BE MOUNTED ON 1-1/2 INCH CEILING SPACERS TO ALLOW AIR CIRCULATION AND PREVENT BALLAST BURNING.
- ALL ELECTRICAL CONDUIT BELOW SLABS SHALL BE FULLY BURIED UNDER GRAVEL BASE.



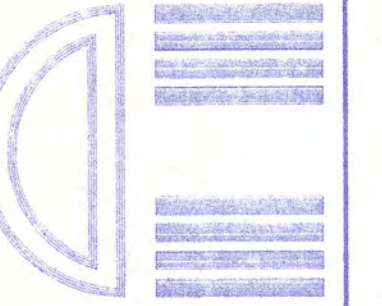
COMMUNICATIONS OUTLET DETAIL



RISER DIAGRAM

PROJECT NO.: 9907
 DATE:
 FILE NAME:
 BENP:9907-SLUDGE

Jennings-King Architects, Inc.
 P.O. Box 1679
 121 West Crawford Street
 Dalton, Georgia 30722
 (706) 278-4242



A NEW BUILDING FOR
 DALTON UTILITIES
 SLUDGE PROCESSING FACILITY
 DALTON, GEORGIA
 ??? ROAD



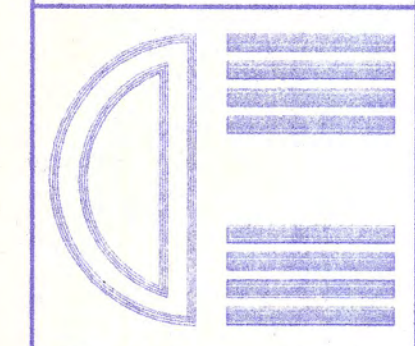
SHEET INDEX:

DRAWING NO.:
E1-0

March Adams & Associates
 Consulting Engineers
 Chattanooga, Tennessee
 Phone (423) 698-6675

W:\CAD\Files\199003\DaltonUtilitiesSludgeProcessingFacility\15-4-99\15-4-99.dwg Plotted at Tue Jun 29 15:34:09 1999
 W.C. ac94955

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Dalton, Georgia 30722
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A NEW BUILDING FOR
**DALTON UTILITIES
SLUDGE PROCESSING FACILITY**
DALTON, GEORGIA
???? ROAD



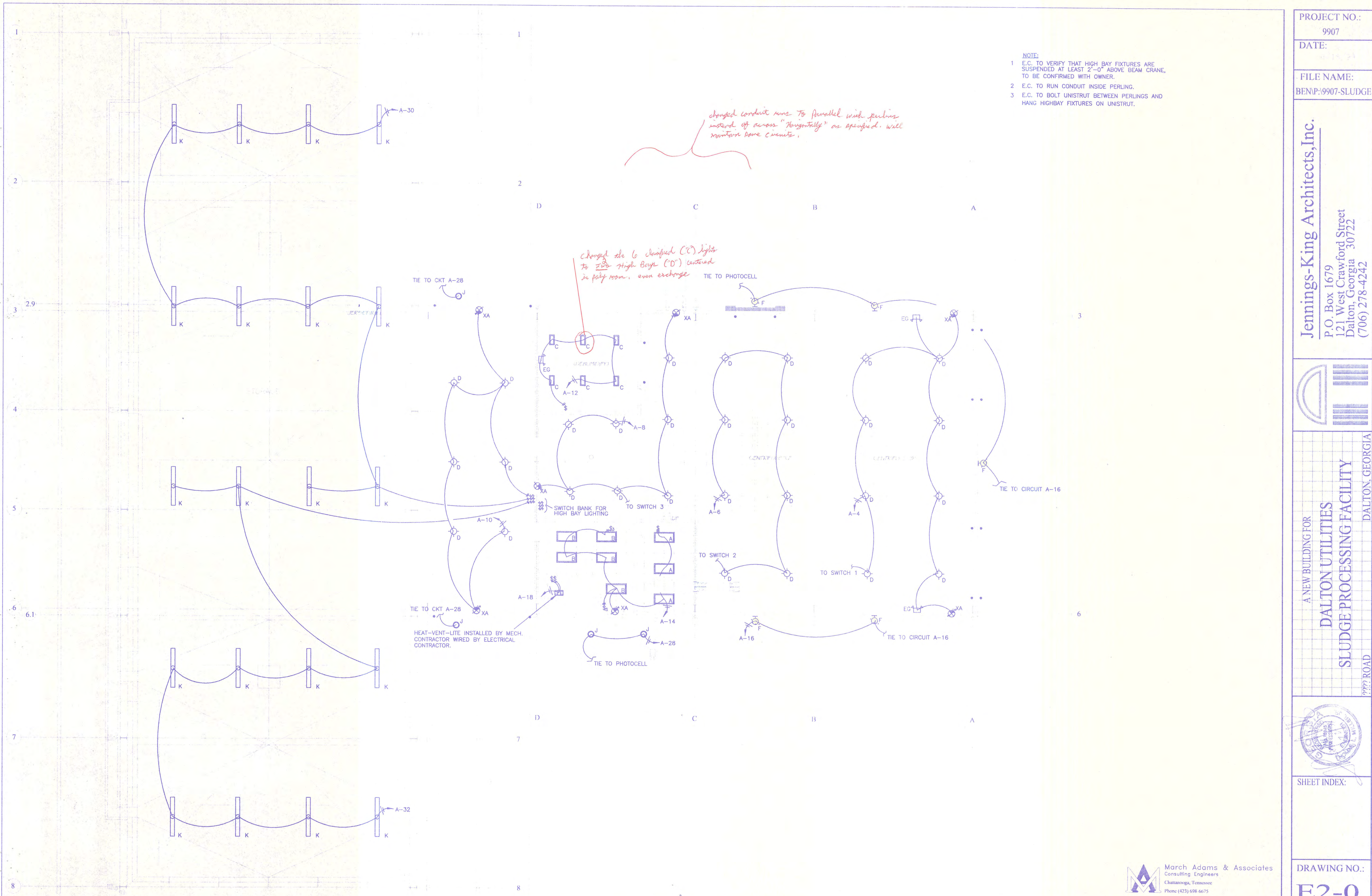
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DRAWING NO.:
E2-0

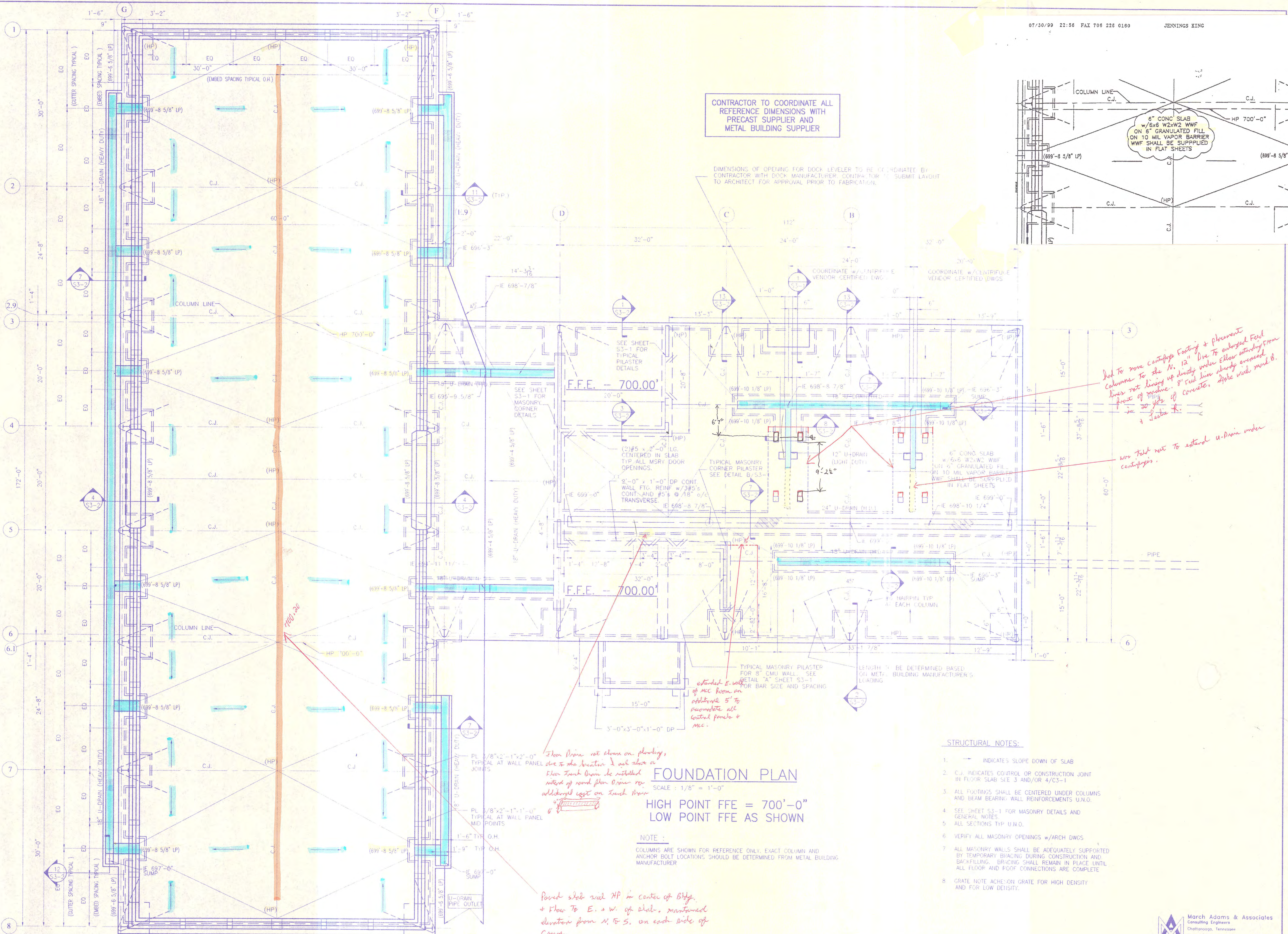
- NOTE:**
- E.C. TO VERIFY THAT HIGH BAY FIXTURES ARE SUSPENDED AT LEAST 2'-0" ABOVE BEAM CRANE, TO BE CONFIRMED WITH OWNER.
 - E.C. TO RUN CONDUIT INSIDE PERLING.
 - E.C. TO BOLT UNISTRUT BETWEEN PERLINGS AND HANG HIGHBAY FIXTURES ON UNISTRUT.

changed conduit runs to parallel with perlins instead of across "horizontally" as specified. will maintain same circuits.

changed the 6 classified (C) lights to 20 High Bays (D) centered in poly room. even exchange

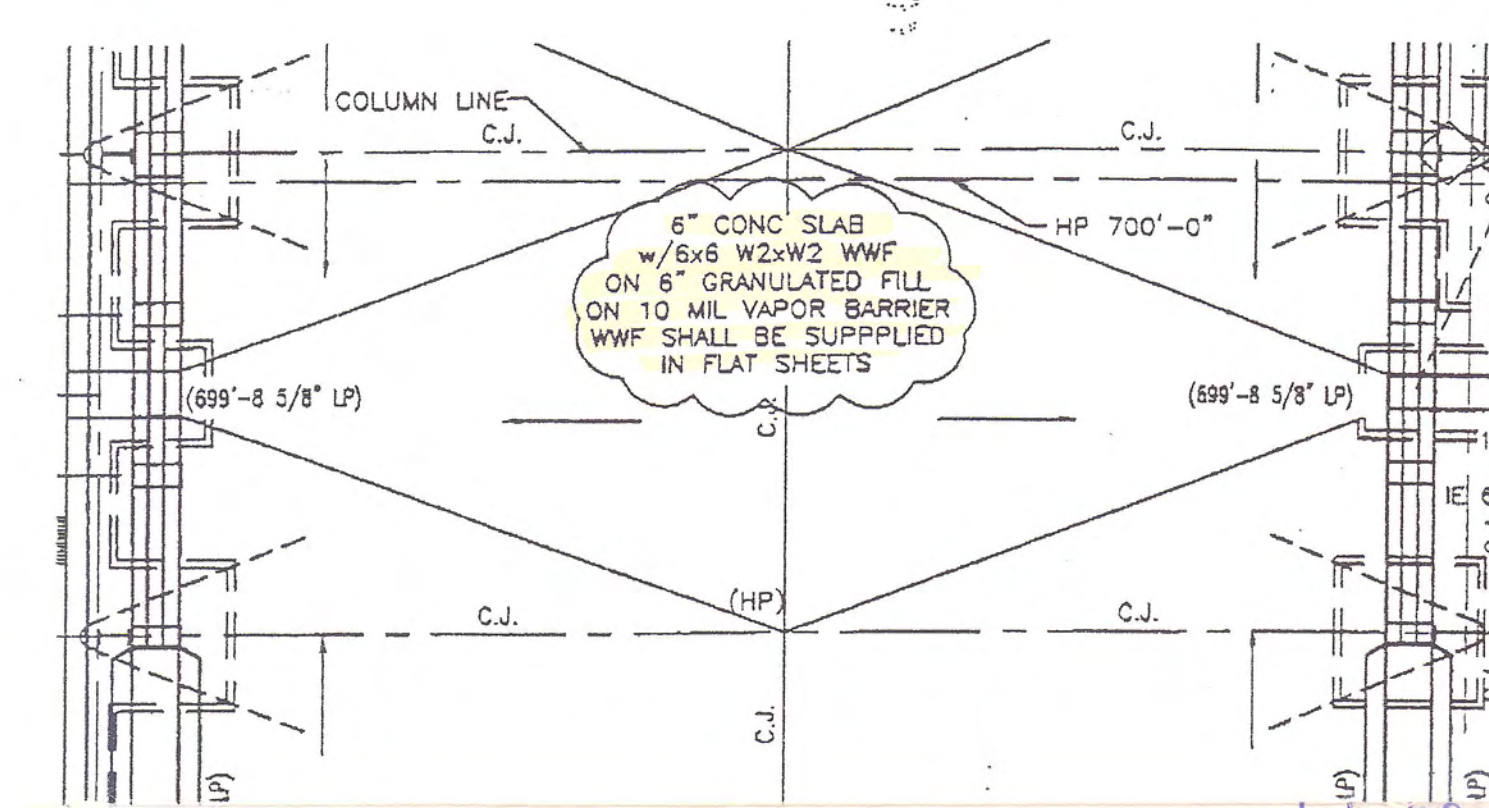


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CONTRACTOR TO COORDINATE ALL REFERENCE DIMENSIONS WITH PRECAST SUPPLIER AND METAL BUILDING SUPPLIER

DIMENSIONS OF OPENING FOR DOCK LEVELER TO BE COORDINATED BY CONTRACTOR WITH DOCK MANUFACTURER. CONTRACTOR TO SUBMIT LAYOUT TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.



Due to more Centrifuge Footing & placement columns to the N. 12\"/>

was felt not to extend U-Drain under centrifuges.

Then Drain not shown on planing, then French Drain be installed instead of round floor drain on additional 5' to accommodate all control panels & MCC.

Found slab with HP in center of Bldg. + flow to E. & W. of slab. maintained elevation from N. to S. on each side of C'run.

FOUNDATION PLAN
SCALE: 1/8" = 1'-0"
HIGH POINT FFE = 700'-0"
LOW POINT FFE AS SHOWN

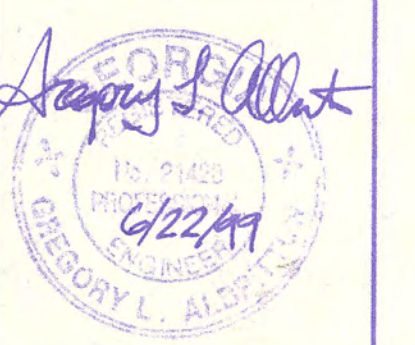
NOTE:
COLUMNS ARE SHOWN FOR REFERENCE ONLY. EXACT COLUMN AND ANCHOR BOLT LOCATIONS SHOULD BE DETERMINED FROM METAL BUILDING MANUFACTURER

STRUCTURAL NOTES:

- 1. INDICATES SLOPE DOWN OF SLAB
- 2. C.J. INDICATES CONTROL OR CONSTRUCTION JOINT IN FLOOR SLAB SEE 3 AND/OR 4/C3-1
- 3. ALL FOOTINGS SHALL BE CENTERED UNDER COLUMNS AND BEAM BEARING WALL REINFORCEMENTS U.N.O.
- 4. SEE SHEET S3-1 FOR MASONRY DETAILS AND GENERAL NOTES.
- 5. ALL SECTIONS TYP. U.N.O.
- 6. VERIFY ALL MASONRY OPENINGS W/ARCH DWGS
- 7. ALL MASONRY WALLS SHALL BE ADEQUATELY SUPPORTED BY TEMPORARY BRACING DURING CONSTRUCTION AND BACKFILLING. BRACING SHALL REMAIN IN PLACE UNTIL ALL FLOOR AND ROOF CONNECTIONS ARE COMPLETE
- 8. GRATE NOTE ACHIEVE GRATE FOR HIGH DENSITY AND FOR LOW DENSITY.

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A NEW BUILDING FOR
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SLUDGE PROCESSING FACILITY
DALTON, GEORGIA
9777 ROAD

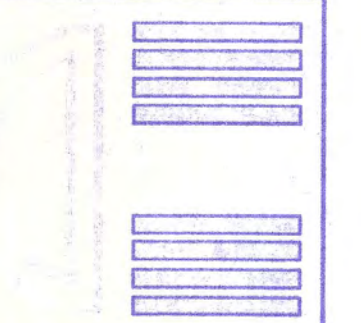


SHEET INDEX:
FOUNDATION PLANS

DRAWING NO.:
S1-1

March Adams & Associates
Consulting Engineers
Chattanooga, Tennessee
Phone (423) 698-6675 JH#99053

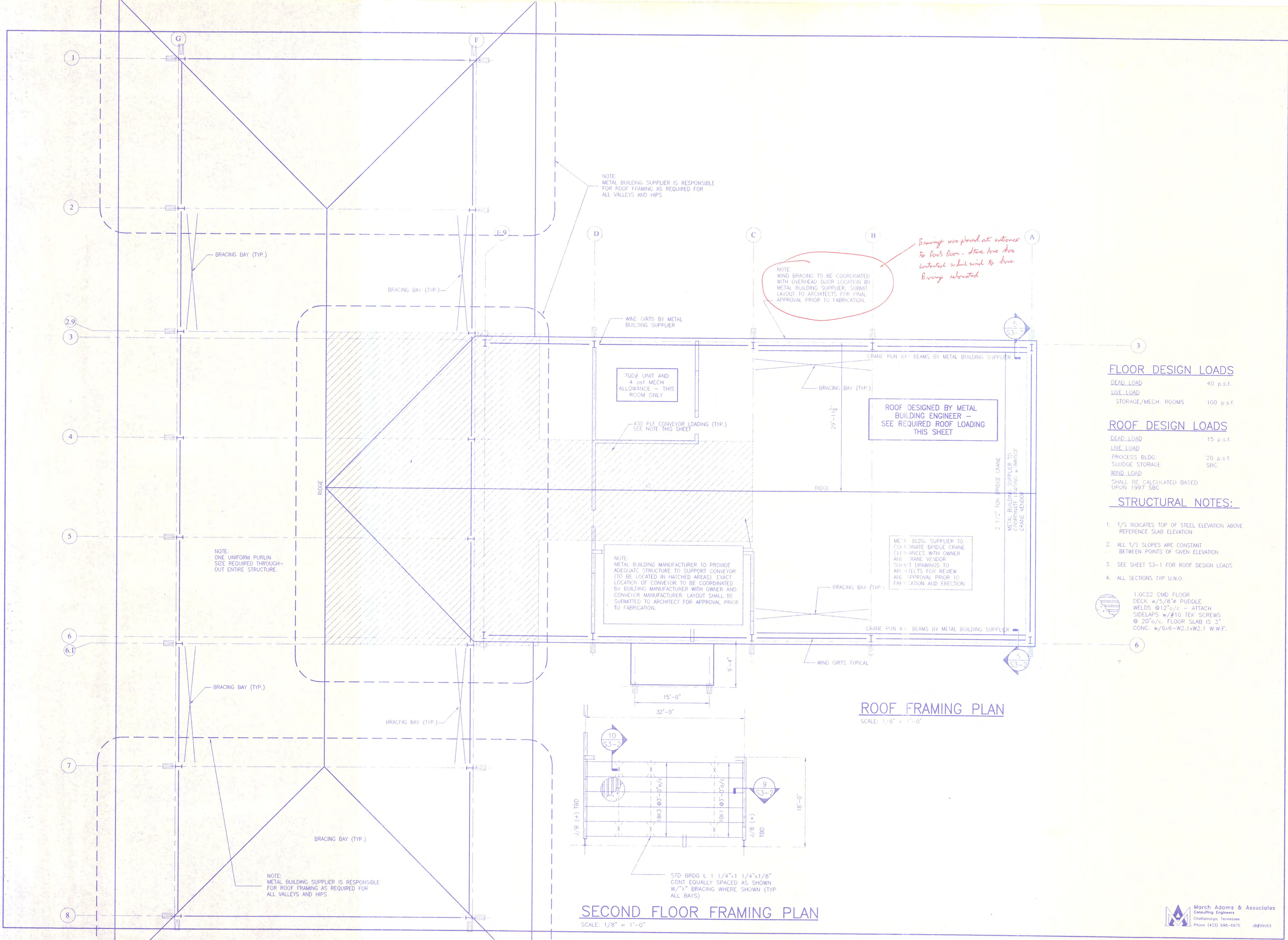
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BUC Dec 9400



James L. King
 6/22/99

SHEET INDEX:
 2nd FLOOR FRAMING
 PLAN AND
 ROOF PLAN

DRAWING NO.: S2-1



NOTE: METAL BUILDING SUPPLIER IS RESPONSIBLE FOR ROOF FRAMING AS REQUIRED FOR ALL VALLEYS AND HIPS

NOTE: WIND BRACING TO BE COORDINATED WITH OVERHEAD DOOR LOCATION BY METAL BUILDING SUPPLIER. SUBMIT LAYOUT TO ARCHITECTS FOR FINAL APPROVAL PRIOR TO FABRICATION.

Bracing was placed at entrance to door. There are two limited what wind to have. Bracing relocated.

NOTE: METAL BUILDING MANUFACTURER TO PROVIDE ADEQUATE STRUCTURE TO SUPPORT CONVEYOR (TO BE LOCATED IN HATCHED AREAS). EXACT LOCATION OF CONVEYOR TO BE COORDINATED BY BUILDING MANUFACTURER WITH OWNER AND CONVEYOR MANUFACTURER. LAYOUT SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.

ME'S BLDG. SUPPLIER TO COORDINATE BRIDGE CRANE CLEARANCES WITH OWNER AND CRANE VENDOR. SUBMIT DRAWINGS TO ARCHITECTS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND ERECTION.

FLOOR DESIGN LOADS

DEAD LOAD	40 p.s.f.
LIVE LOAD	
STORAGE/MECH. ROOMS	100 p.s.f.

ROOF DESIGN LOADS

DEAD LOAD	15 p.s.f.
LIVE LOAD	
PROCESS BLDG. SLUDGE STORAGE	20 p.s.f. 5BC
WIND LOAD	

SHALL BE CALCULATED BASED UPON 1997 SBC.

- STRUCTURAL NOTES:**
1. T/S INDICATES TOP OF STEEL ELEVATION ABOVE REFERENCE SLAB ELEVATION
 2. ALL T/S SLOPES ARE CONSTANT BETWEEN POINTS OF GIVEN ELEVATION
 3. SEE SHEET S3-1 FOR ROOF DESIGN LOADS
 4. ALL SECTIONS TYP. U.N.O.

1.0C22 CMD FLOOR DECK w/5/8" PUDDLE WELDS @12"/c - ATTACH SIDELAPS w/10 TEK SCREWS @ 20"/c. FLOOR SLAB IS 3" CONC. w/6x6-W2.1xW2.1 W.W.F.

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

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

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I. GENERAL NOTES

- A. THESE NOTES SHALL APPLY EXCEPT WHERE OTHERWISE INDICATED BY THE DRAWINGS OR SPECIFICATIONS.
- B. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.
- C. IF APPLICABLE, CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING BUILDINGS AFFECTING NEW CONSTRUCTION, AND DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ARCHITECT/ENGINEER IN WRITING.
- D. GENERAL CONTRACTOR SHALL ENSURE THAT ALL MATERIALS ARE IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
- E. ALL MASONRY WALLS BELOW GRADE SHALL BE BACKFILLED ON BOTH SIDES OF WALL SIMULTANEOUSLY. PROVIDE TEMPORARY BRACING AS REQUIRED TO ADEQUATELY SUPPORT STRUCTURE DURING CONSTRUCTION AND BACKFILLING. BRACING SHALL REMAIN IN PLACE UNTIL ALL FLOOR AND ROOF CONNECTIONS ARE COMPLETE.
- F. CENTER LINE OF COLUMN = CENTER LINE OF FOOTING = CENTER LINE OF ANCHOR BOLT TEMPLATE UNLESS NOTED OTHERWISE. NO PIPING SHALL PASS THROUGH OR UNDER ANY FOOTING WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- G. DIMENSIONS AT FRAMED OPENINGS TO BE VERIFIED WITH APPLICABLE SUB-CONTRACTOR BEFORE FABRICATION OF STEEL. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT/ENGINEER IS TO BE IMMEDIATELY NOTIFIED IN WRITING.

II. DESIGN CRITERIA:

- A. BUILDING CODE : 1997 STANDARD BUILDING CODE
- B. SUPERIMPOSED DESIGN LOADS:
 - 1. SEE PLAN NOTES.
 - 2. WIND:
 - a. BASIC WIND SPEED = 75mph
 - b. IMPORTANCE FACTOR = 1.0
 - c. MEAN ROOF HT = 28'-0"
 - d. $q = 13.8$ psf
 - e. END ZONE = 12'-0"
 - 3. SEISMIC:
 - a. PERFORMANCE CATEGORY = C
 - b. $A_v = 0.1$
 - c. $A_d = 0.1$
 - 4. SNOW - 5.5 psf
- C. FOUNDATIONS:
 - 1. FOUNDATION DESIGN IS BASED ON SUBSURFACE EXPLORATION REPORT PREPARED BY: GEOTECH ENGINEERING INC., FEB. 8, 1999. FOR COPY OF REPORT PLEASE CONTACT ARCHITECT
 - 2. IF, AFTER EXCAVATION, THE CONDITION OF THE SOIL INDICATES A SAFE BEARING CAPACITY OF LESS THAN 3000 p.s.f. THE ENGINEER SHALL BE NOTIFIED AND THE FOOTINGS REVISED IF NECESSARY.
 - 3. ALL GRADING AND FILLING SHALL BE DONE AS RECOMMENDED BY A GEOTECHNICAL ENGINEER. GENERAL CONTRACTOR SHALL ESTABLISH AND MAINTAIN SITE DRAINAGE TO DIRECT WATER AWAY FROM FOOTING EXCAVATIONS AND FILL PLACEMENT.
 - 4. ALL FOOTINGS SHALL BE POURED ON FIRM, UNDISTURBED EARTH OR ENGINEERED CONTROLLED BACKFILL. BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 18" INCHES BELOW FINISH GRADE UNLESS OTHERWISE NOTED, AND MUST COURSE WITH FINISH FLOOR. FROST LINE FOR THIS PROJECT IS 8" BELOW FINISH GRADE.

III. CONCRETE:

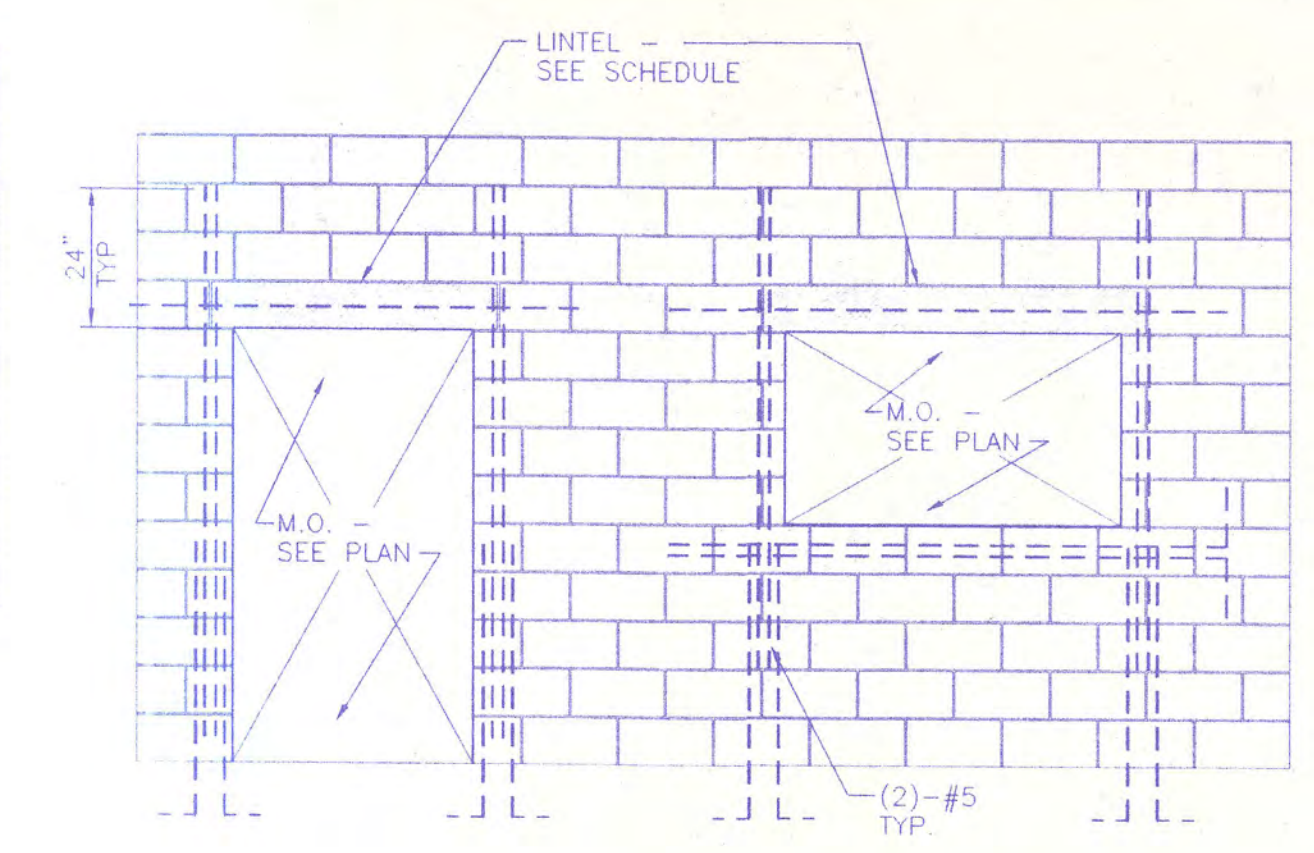
- A. CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
- B. CEMENT TO BE PORTLAND TYPE 1 OR APPROVED EQUAL.
- C. MIX DESIGN SHALL BE DOCUMENTED IN ACCORD WITH SECTION 03300 OF THE PROJECT SPECS AND ACI 301, CHAPTER 3 "PROPORTIONING". MIX DESIGNS WHICH ARE SUBMITTED WITHOUT THE REQUIRED DOCUMENTATION WILL BE REJECTED. FIELD SLUMPS RECORDED AT JOB SITE SHALL NOT EXCEED THE SLUMP ESTABLISHED FOR THE MIX DESIGN.
- D. CONCRETE SHALL HAVE AN ALLOWABLE COMPRESSIVE STRENGTH AS NOTED BELOW:
 - INTERIOR SLABS ON GRADE, $F'_c = 4,500$ PSI
 - FOUNDATIONS $F'_c = 3,000$ PSI
 - STRUCTURAL SLABS ON MTL DECK $F'_c = 4,000$ PSI
- E. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - FOOTINGS 3"
 - SLAB-ON-GRADE 3"
 - ELEVATED SLABS 1"
- F. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4 INCH UNLESS NOTED.
- G. CONCRETE SHALL NOT BE POURED IN WATER OR ON FROZEN GROUND AND SHALL BE PROTECTED FROM FROST DURING CONSTRUCTION.
- H. CONTRACTOR SHALL COORDINATE ALL CONTRACT DRAWINGS FOR THE LOCATION OF ANCHOR BOLTS, FLOOR DRAINS, INSERTS, ETC., BEFORE POURING CONCRETE.
- I. SLABS:
 - 1. SLAB THICKNESS INDICATED ON DRAWINGS IS MINIMUM AND SHALL BE MEASURED FROM LOW POINT ON FLOOR. CONTRACTOR SHALL COORDINATE ALL DRAWINGS TO ASSURE THAT ALL FLOORS HAVE PROPER SLOPE TO DRAIN IN TOILETS, SHOWERS, ETC.
 - 2. "C.J.", AS INDICATED ON SLAB, INDICATES 3/4" DEEP SAW CUT CONTROL JOINT OR KEYS CONSTRUCTION JOINT IN SLAB-ON-GRADE. MAKE CUTS WITHIN 12 HOURS AFTER CONCRETE PLACEMENT.
- J. REINFORCEMENT:
 - 1. ALL DETAILING, FABRICATION AND PLACEMENT OF REINFORCING STEEL, MIXING, HANDLING, PLACING, FINISHING AND CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI-315 AND ACI-318.
- K. CONCRETE MASONRY UNITS (CMU):
 - 1. DOWEL ALL VERTICAL REINFORCEMENT FROM FOUNDATIONS. HOLD VERTICAL BARS PLUMB. PROVIDE A MINIMUM OF 1/2" GROUT BETWEEN MAIN REINFORCEMENT AND CMU.
 - 2. HOLLOW CONCRETE BLOCK (MASONRY) UNITS SHALL CONFORM TO A.S.T.M. C90, LIGHTWEIGHT, TYPE N1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 3750 PSI ON THE NET AREA. SAMPLE AND TEST IN ACCORDANCE WITH ASTM C140 ($F'_m = 1500$ PSI)
 - 3. ALL MORTAR FOR MASONRY SHALL CONFORM TO A.S.T.M. C270, TYPE M OR S. USE TYPE N MORTAR FOR BRICK AND INTERIOR NON-LOAD BEARING PARTITIONS. ALL GROUT FOR USE IN MASONRY SHALL CONFORM TO A.S.T.M. C476, 3000 PSI @ 28 DAYS. DETERMINE COMPRESSIVE STRENGTH OF GROUT IN ACCORDANCE WITH ASTM C1019.
 - 4. HORIZONTAL JOINT REINFORCEMENT (HJR) IN MASONRY WALLS SHALL BE CONTINUOUS TRUSS TYPE WITH No. 9 SIDE RIBS AND CROSS-TIES OF GALVANIZED COLD DRAWN MILD STEEL WIRE CONFORMING TO A.S.T.M. A82.
 - 5. MASONRY IS TO BE LAID IN RUNNING BOND UNLESS OTHERWISE NOTED. ALL CORNERS AND INTERSECTING WALLS SHOULD INTERLOCK.
 - 6. FOR HOT WEATHER CONSTRUCTION, IMPLEMENT THE FOLLOWING PROCEDURES WHEN THE AMBIENT TEMP. EXCEEDS CONDITIONS BELOW:
 - (a) 100°F OR
 - (b) 90°F w/ WIND VELOCITY GREATER THAN 8 mph
 - a. DO NOT SPREAD MORTAR BEDS MORE THAN 4'-0" AHEAD OF MASONRY.
 - b. SET MASONRY UNITS WITHIN ONE MIN. OF SPREADING MORTAR.

IV. STRUCTURAL STEEL & BAR JOIST:

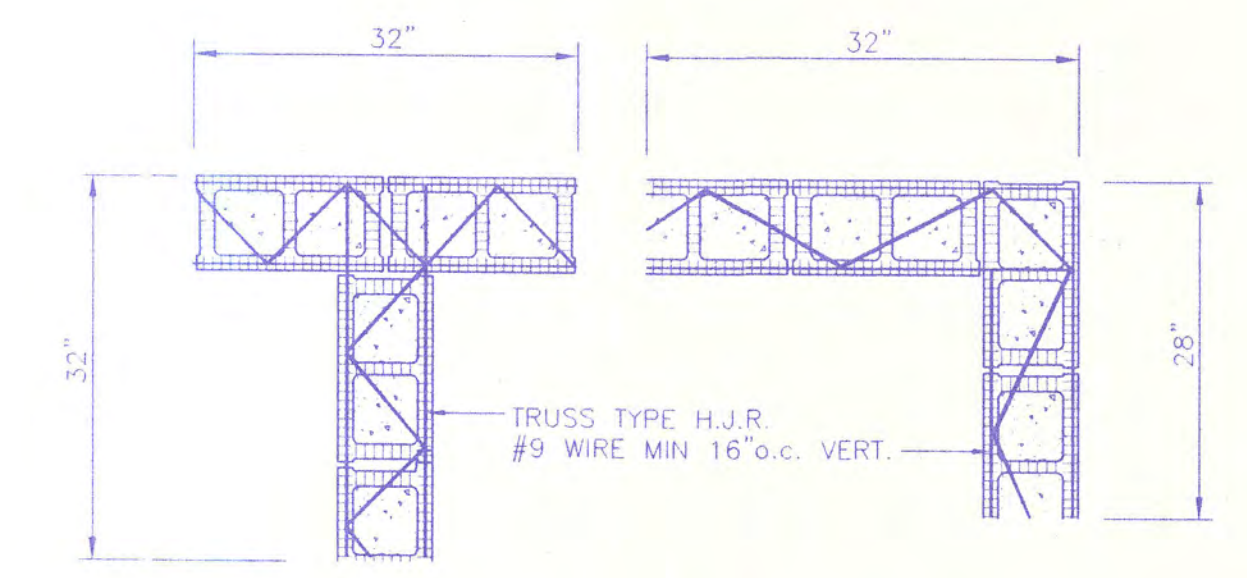
- A. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 AND ALL TUBE STEEL SHALL CONFORM TO ASTM A-500 GRADE B, UNLESS NOTED. CONTRACTOR SHALL CONFIRM FINISH GRADES, DEPTHS OF FOOTINGS AND COLUMN LENGTHS PRIOR TO STRUCTURAL STEEL FABRICATION.
- B. ALL STRUCTURAL STEEL BELOW GRADE SHALL BE ENCASED WITH A MINIMUM OF 4" CONCRETE COVER OR PAINTED WITH A COAL TAR MASTIC.
- C. JOIST AND JOIST GIRDERS SHALL CONFORM TO THE STEEL JOIST INSTITUTE STANDARDS.
- D. WELD JOISTS TO STEEL SUPPORTS WITH 1/8" x 2" LONG FILLET WELDS EACH SIDE OF JOIST BEARING PLATE, OR BOLT WITH (2) 1/2" A325N BOLTS.
- E. WHERE OPEN-WEB JOISTS FRAME PARALLEL TO BEAMS AND WALLS, EXTEND ALL JOISTS BRIDGING AND CONNECT TO BEAMS AND WALLS. EXTEND BOTTOM CHORD OF JOISTS AT COLUMN LINE AND CONNECT FULL STRENGTH TO COLUMNS. EXTEND BOTTOM CHORD OF OTHER JOISTS AS SHOWN ON DRAWINGS OR AS REQUIRED BY JOIST GIRDER SUPPLIER.
- F. SUSPENSION OF ANY MISC. ITEMS FROM JOISTS OR TRUSSES SHALL BE ONLY AT TOP CHORD PANEL POINTS, OR AS DETAILED WITH WEB REINFORCEMENT. ABSOLUTELY NOTHING SHALL BE SUSPENDED FROM BAR JOIST OR JOIST GIRDER BRIDGING.
- G. LOCATE BEAMS AND BAR JOIST TO CLEAR STACKED HVAC UNITS, TOILET, WASTE LINES, AND DRAINS.
- H. PROVIDE DOUBLE JOIST UNDER ALL ROOF MOUNTED MECHANICAL UNITS. CONTRACTOR SHALL VERIFY ACTUAL SIZE, WEIGHT AND LOCATION OF ROOF TOP UNITS AND SUBMIT TO PROJECT ENGINEER FOR APPROVAL PRIOR TO FABRICATION OF BAR JOIST OR STRUCTURAL STEEL.

OPENING WIDTH		FOR EACH 4" WALL THICKNESS	WALL DIMENSION AND REINFORCING			
MIN	MAX		DEPTH	4" WALL	8" WALL	12" WALL
2'-0"	3'-0"	L3 x 3 1/2 x 1/4"	7 5/8"	2 #5	2#5 BOT	2#5 BOT
3'-0"	5'-0"	L3 x 3 1/2 x 1/4"	7 5/8"	2 #5	2#5 BOT	2#5 BOT
5'-0"	6'-0"	L3 1/2 x 4 x 1/4"	7 5/8"	---	2#7 BOT	2#6 BOT
6'-0"	8'-0"	L3 1/2 x 5 x 1/4"	7 5/8"	---	2#8 BOT	2#7 BOT
8'-0"	10'-0"	L3 1/2 x 6 x 5/16"	15 5/8"	---	2#8 BOT	---

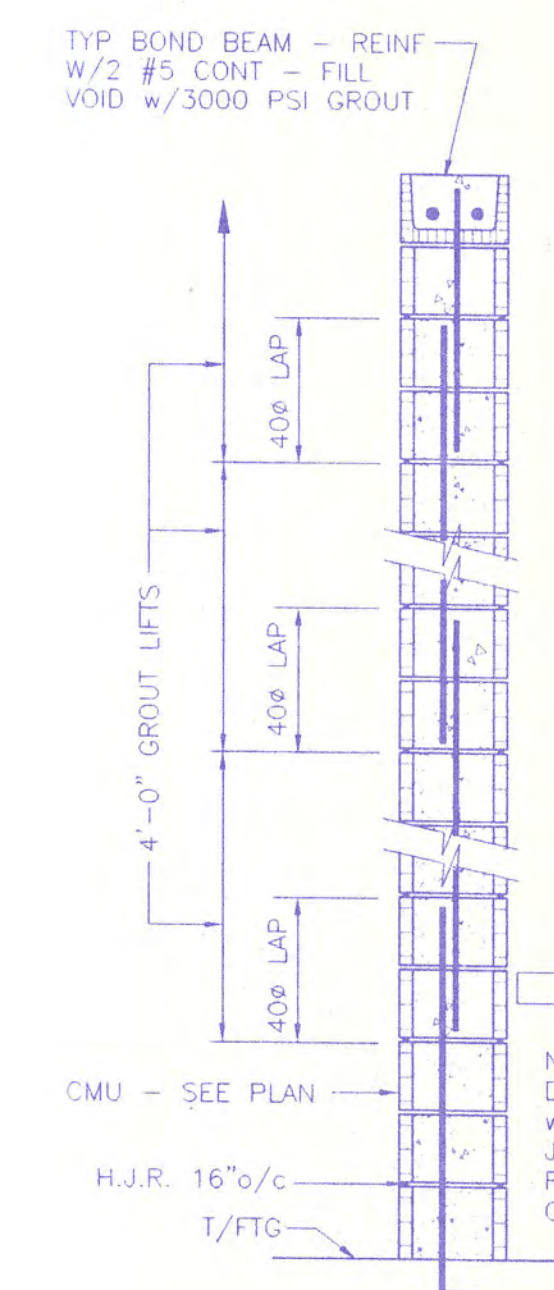
NOTE: DO NOT USE THIS SCHEDULE IF CONCENTRATED LOADS ARE APPLIED. PROVIDE 8" MIN BEARING EACH END.



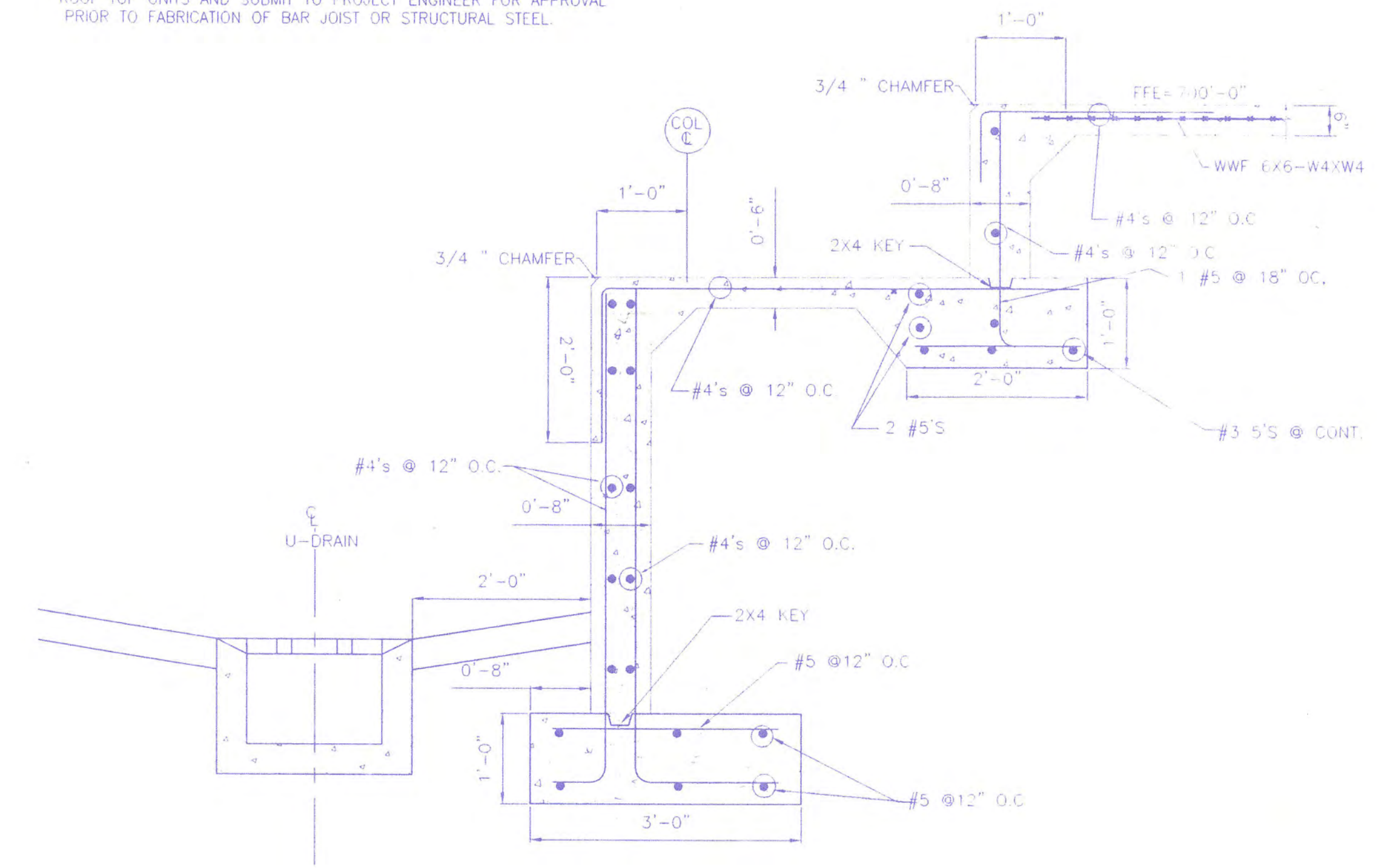
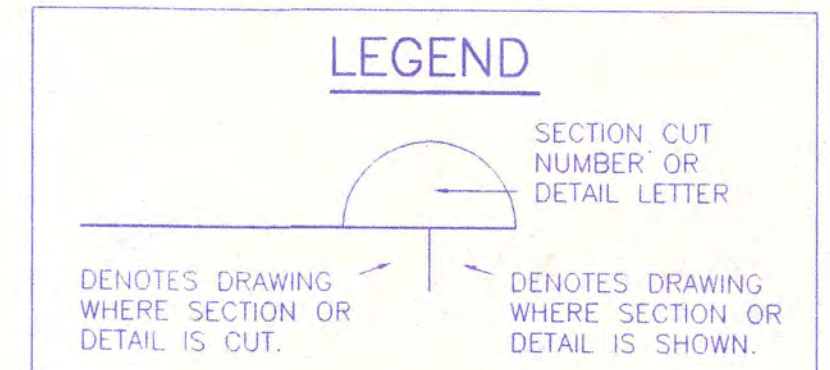
MASONRY OPENING (M.O.) REINFORCEMENT DETAIL



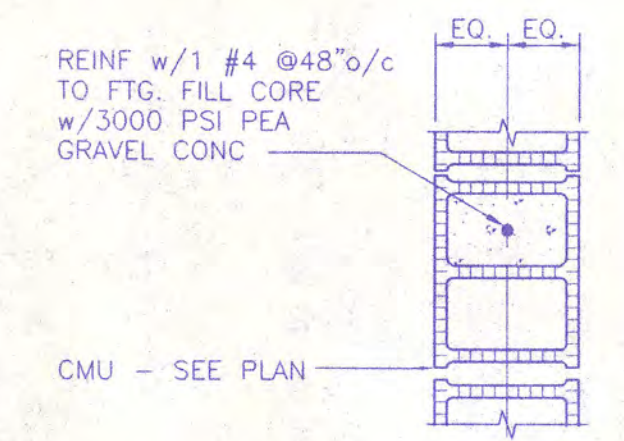
PREFABRICATED CORNERS & TEES



MASONRY WALL REINFORCEMENT DETAIL

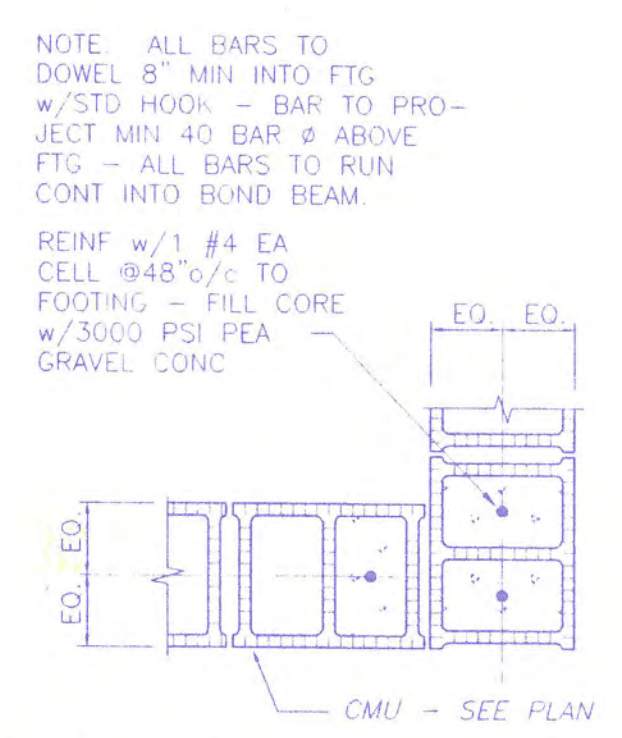


SECTION 1
3/4" = 1'-0" S1-1 | S3-1



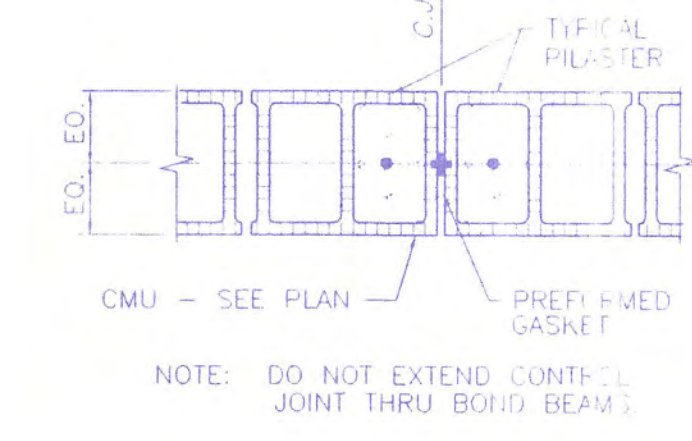
DETAIL A
3/4" = 1'-0" S1-1 | S3-1

TYPICAL PILASTER



DETAIL B
3/4" = 1'-0" S1-1 | S3-1

TYPICAL CORNER PILASTER
MASONRY WILL BE LAID IN RUNNING BOND

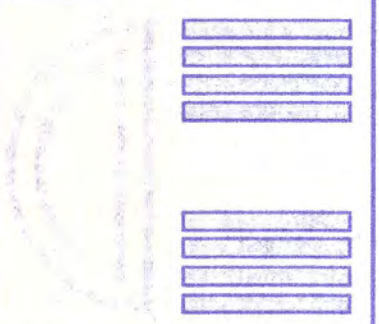


DETAIL C
3/4" = 1'-0" S1-1 | S3-1

TYPICAL MASONRY CONTROL JOINT

PROJECT NO.: 9907
DATE: 5/20/99
FILE NAME: DALTON UTILITIES

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Dalton, Georgia 30722
(706) 278-4242

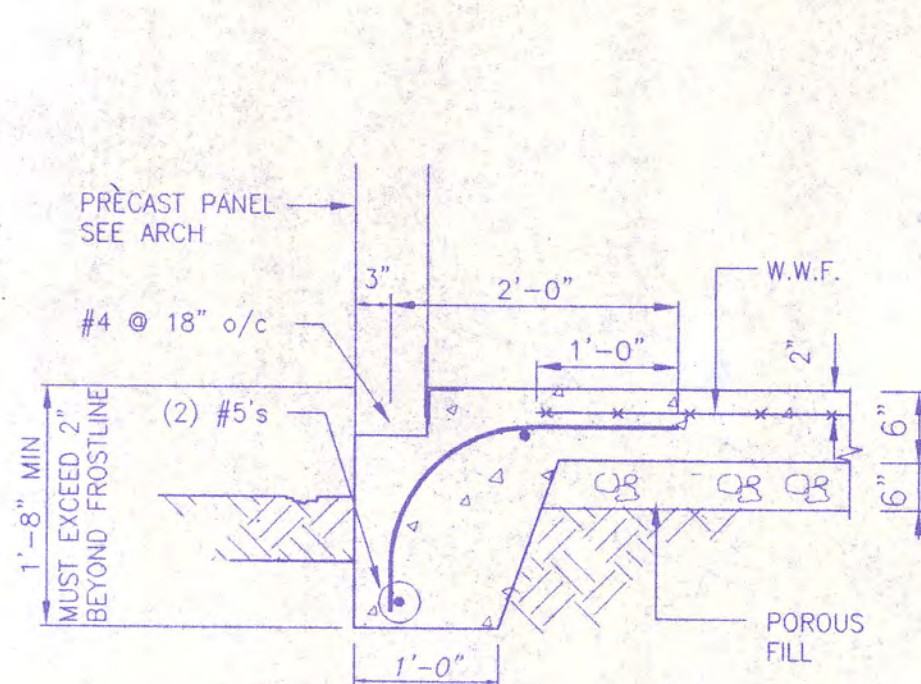


A NEW BUILDING FOR
DALTON UTILITIES
SLUDGE PROCESSING FACILITY
DALTON, GEORGIA
P.P. ROAD

Approved by:
GORDON L. ALLEN
6/22/99

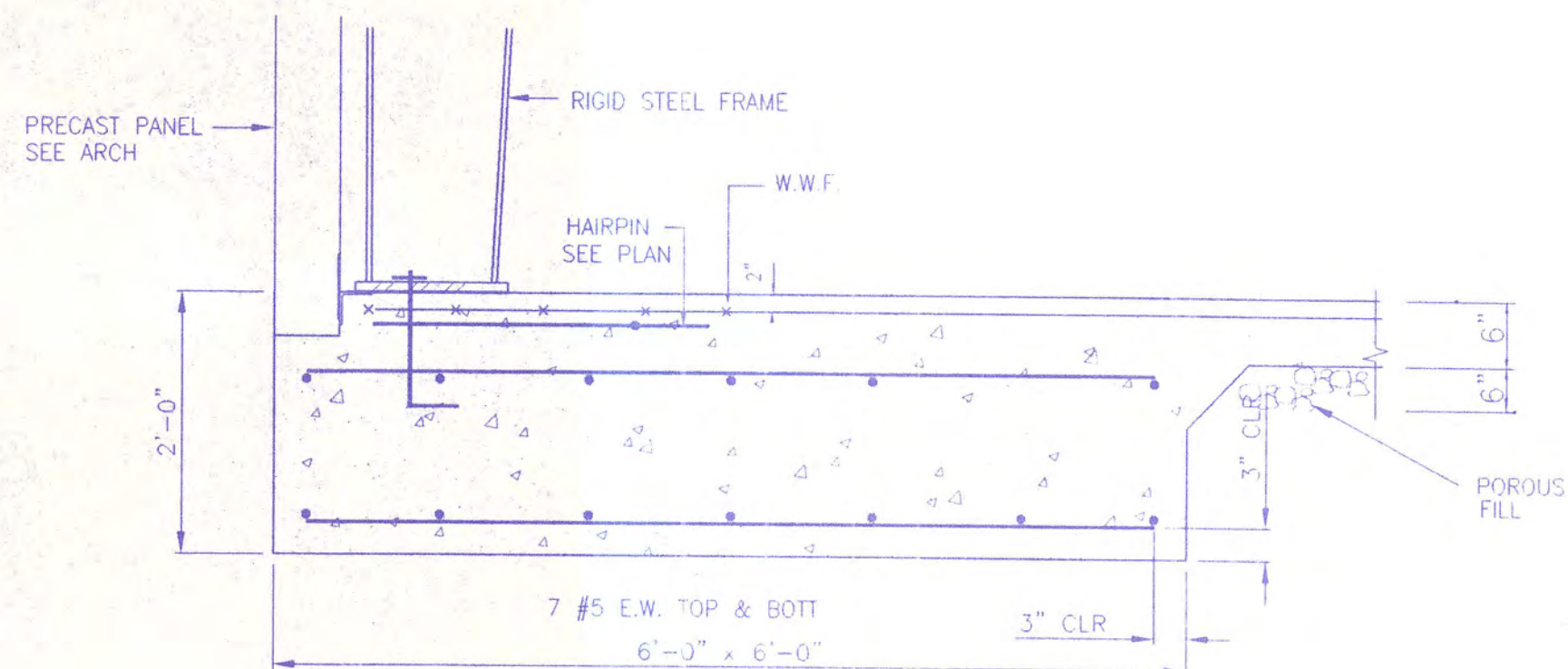
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DRAWING NO.: S3-1



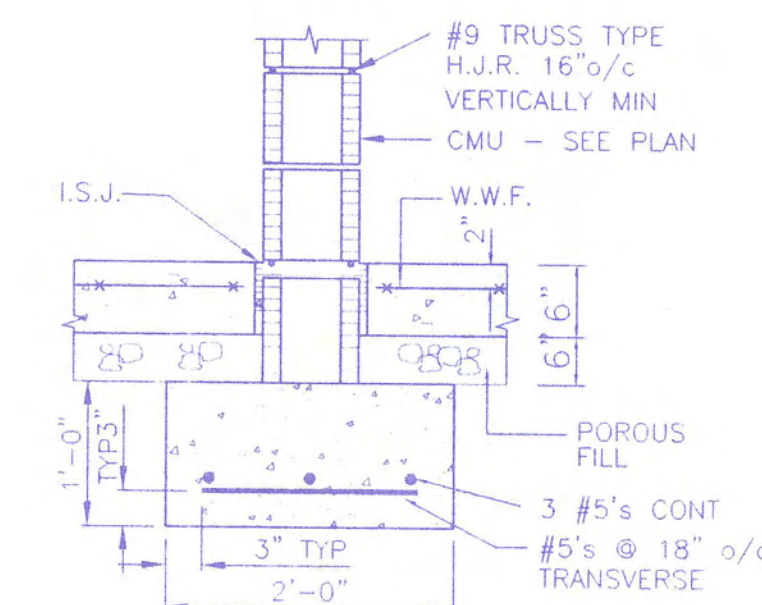
SECTION 1
3/4" = 1'-0" S1-1 | S3-2

TYPICAL TURN DOWN SLAB



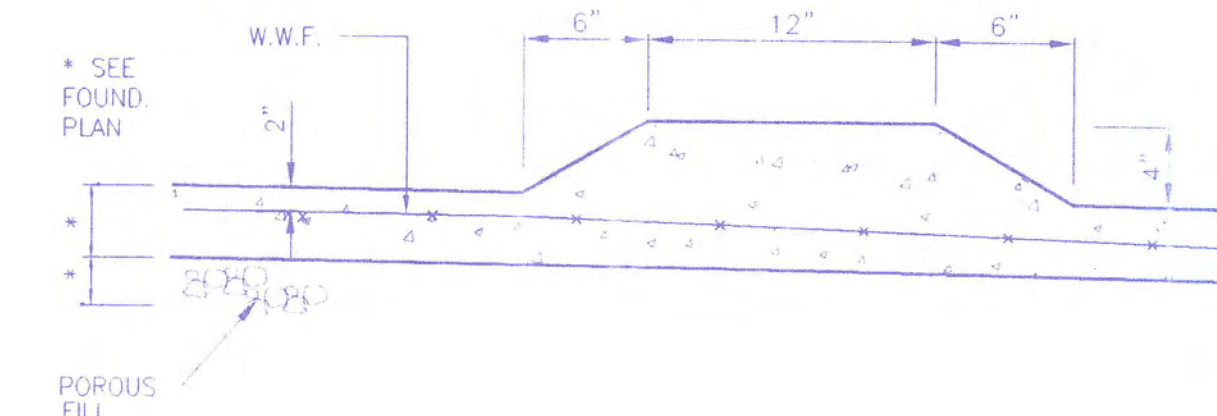
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3/4" = 1'-0" S1-1 | S3-2

TYPICAL TURN DOWN SLAB AT METAL BLDG COLUMN

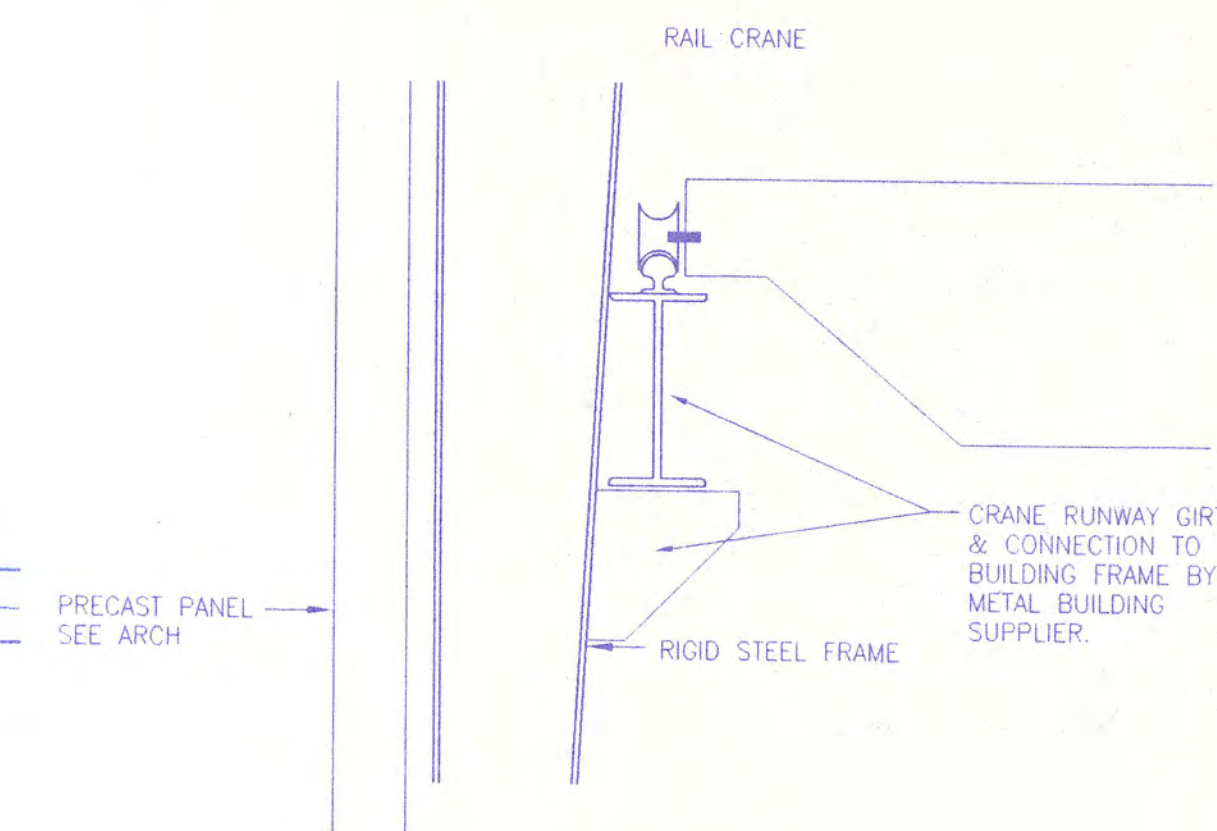


SECTION 3
3/4" = 1'-0" S1-1 | S3-2

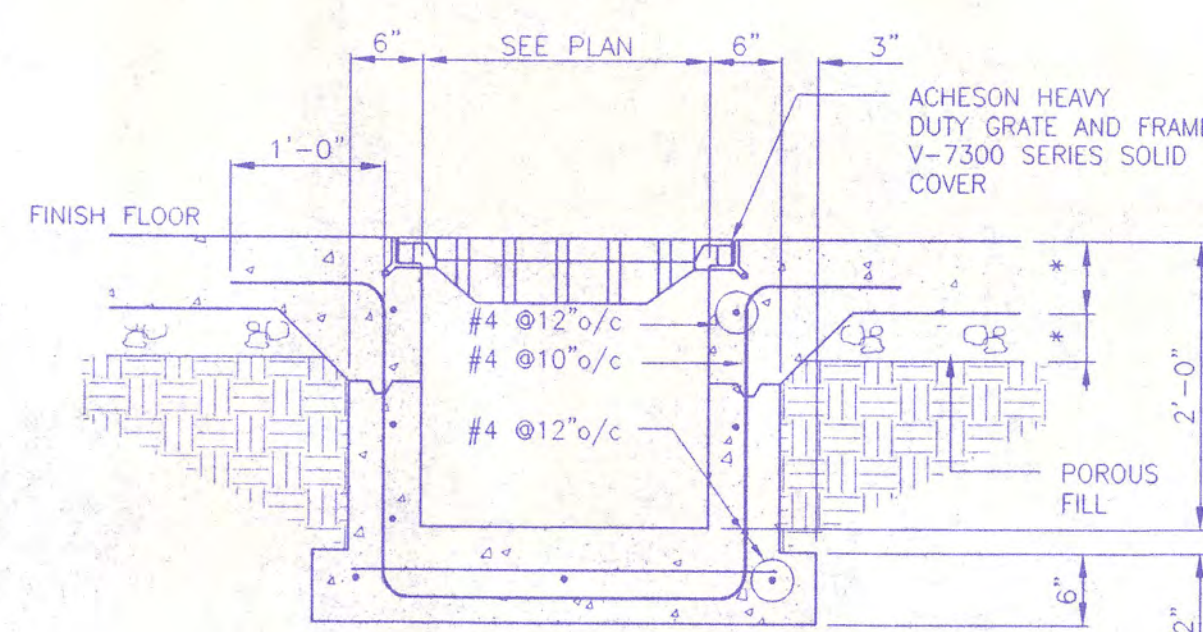
TYPICAL INTERIOR LOAD BEARING WALL



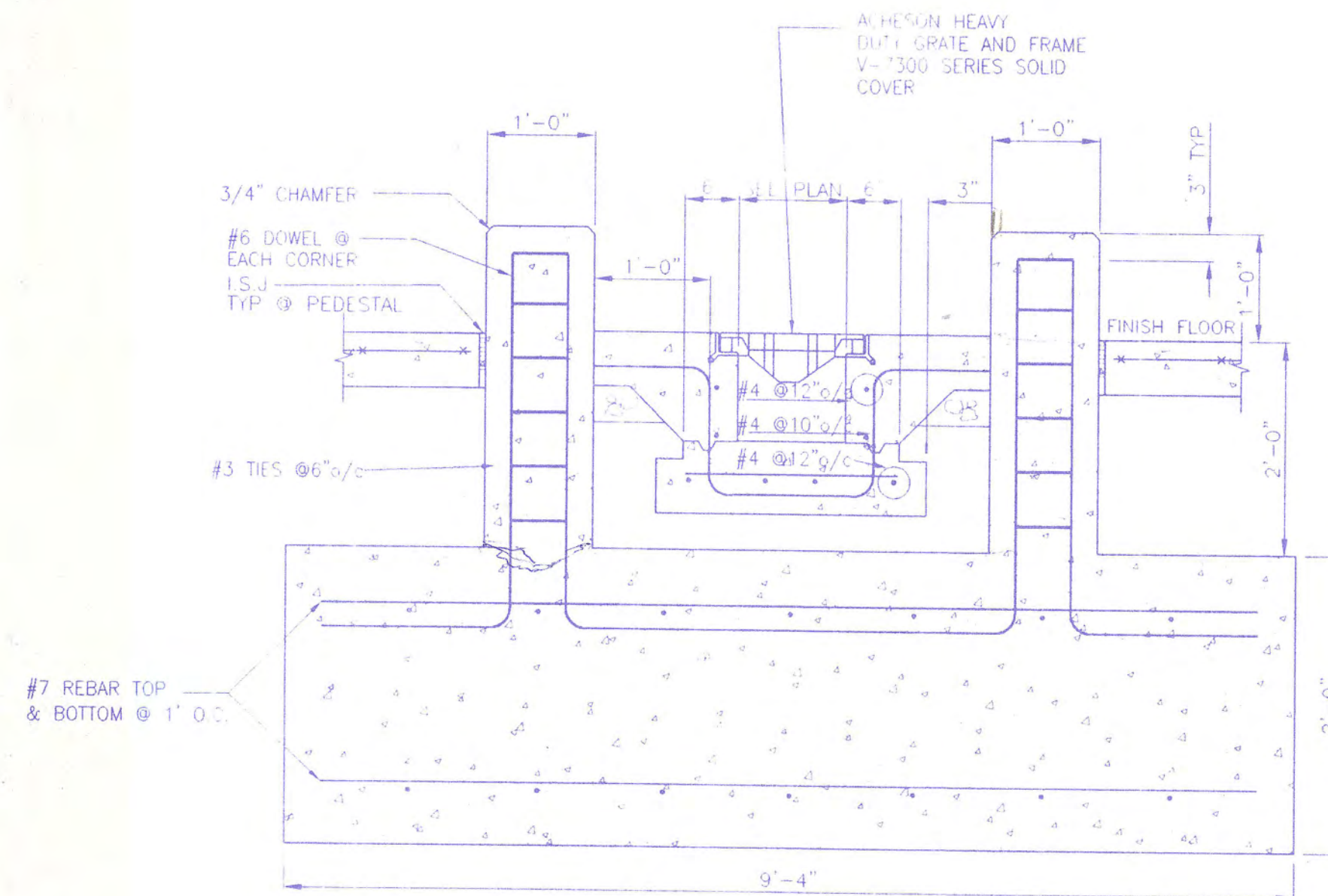
SECTION 4
3/4" = 1'-0" S1-1 | S3-2



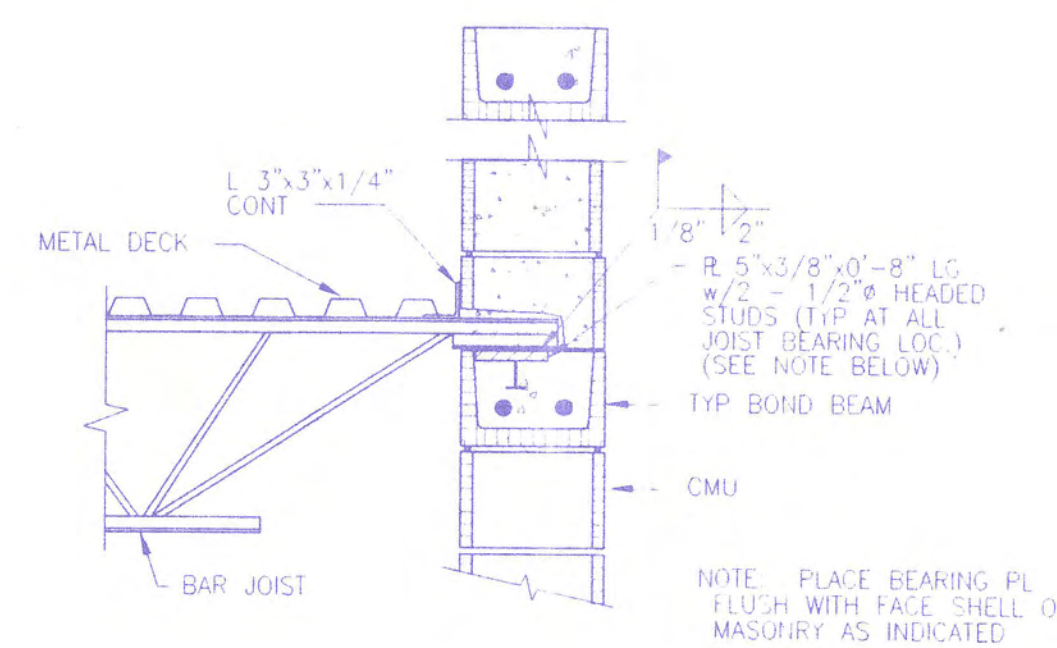
SECTION 5
3/4" = 1'-0" S2-1 | S3-2



SECTION 7
3/4" = 1'-0" S1-1 | S3-2

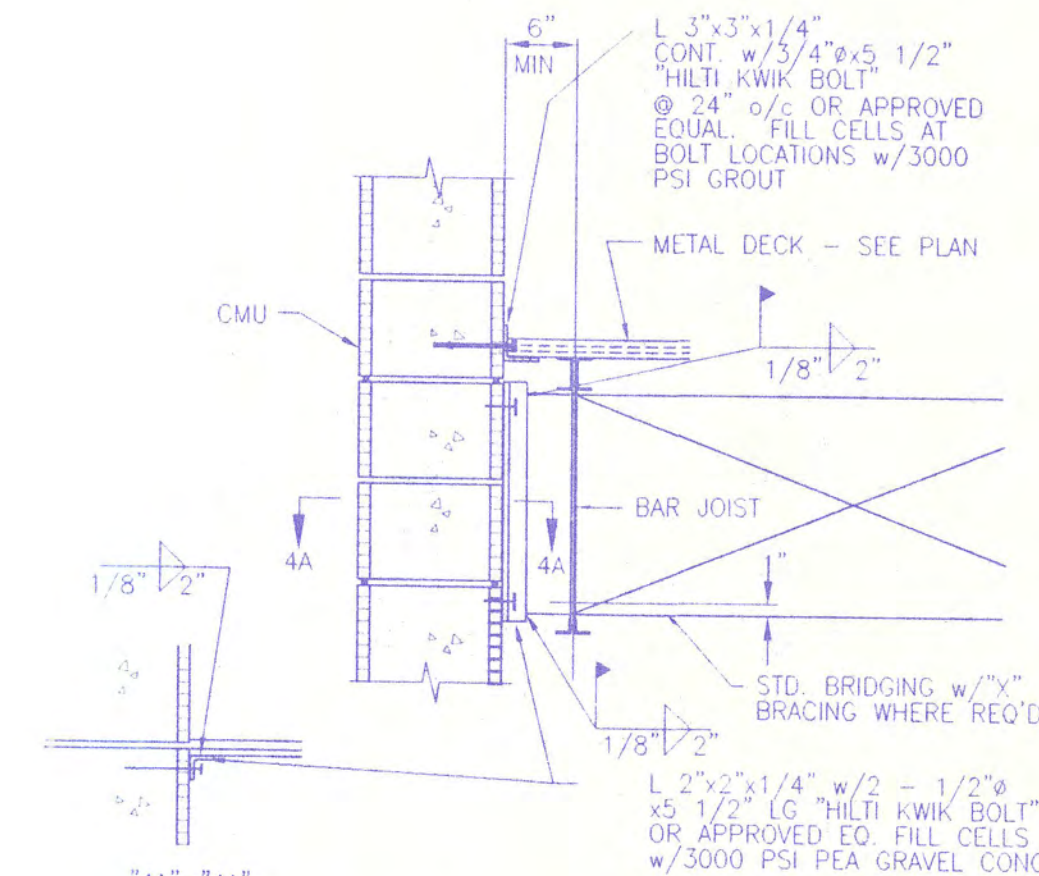


SECTION 8
3/4" = 1'-0" S1-1 | S3-2



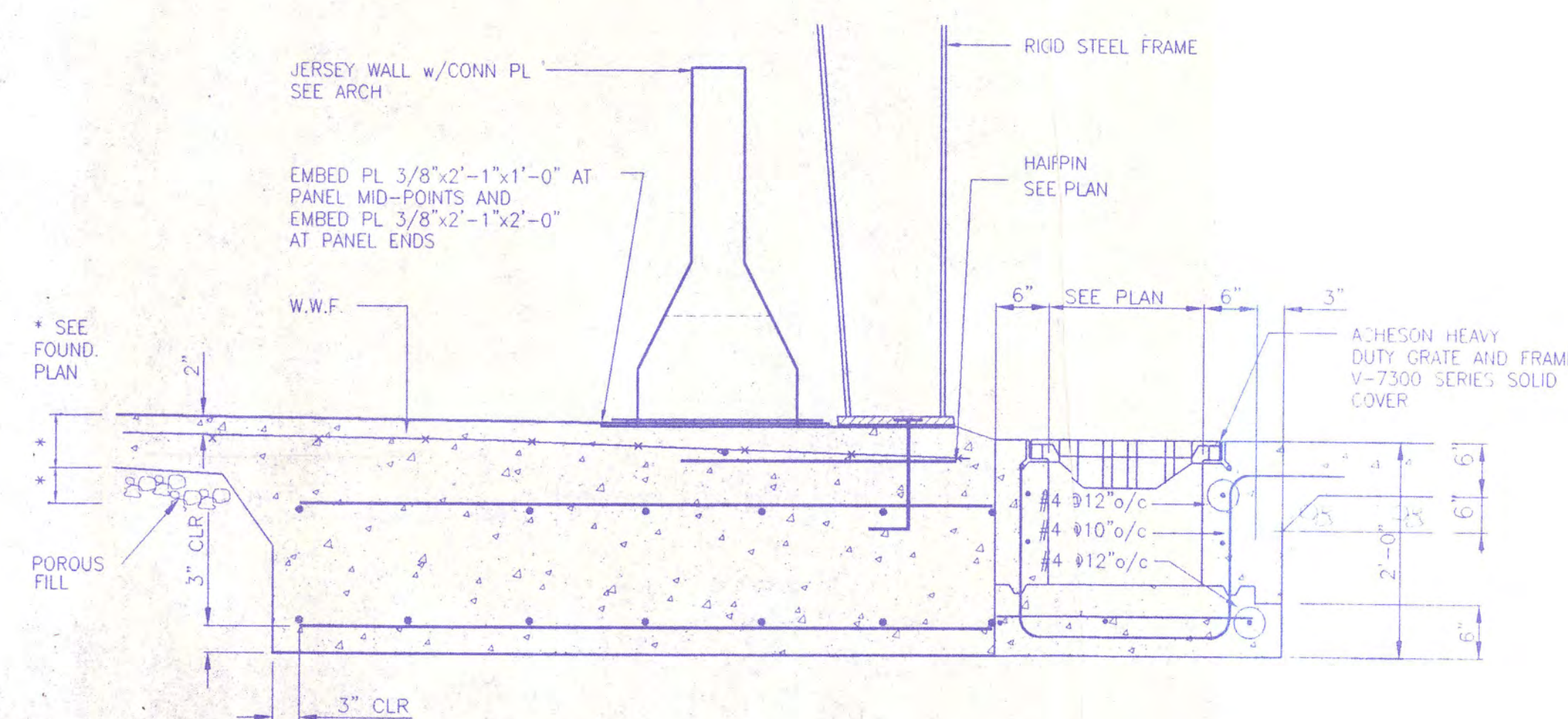
SECTION 9
3/4" = 1'-0" S2-1 | S3-2

TYPICAL BAR JOIST BEARING ON MASONRY

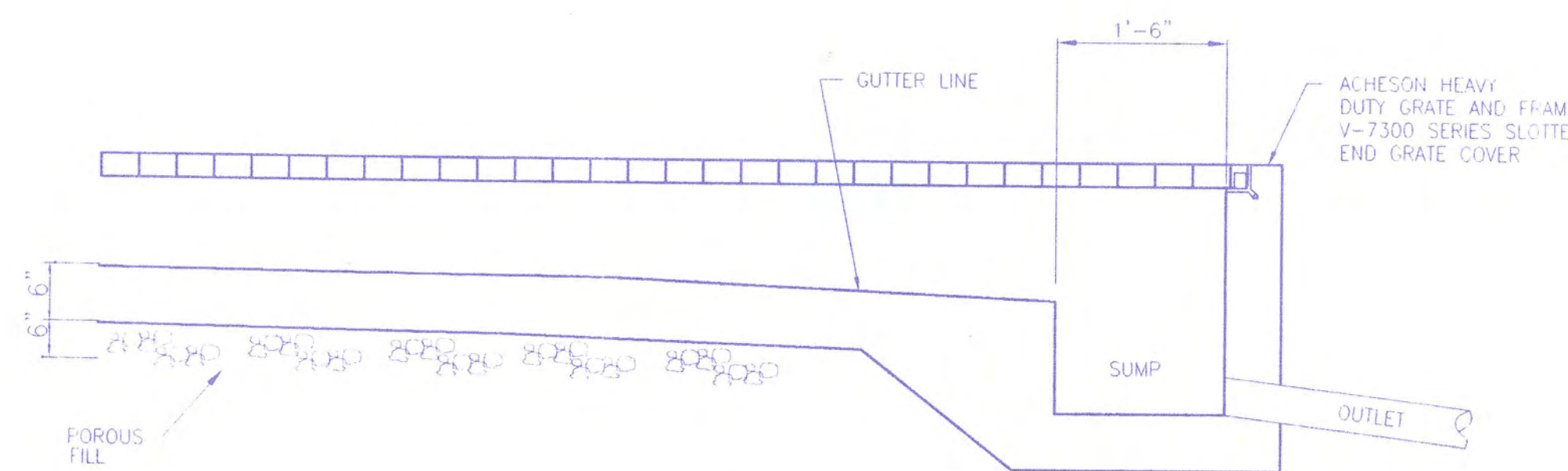


SECTION 10
3/4" = 1'-0" S2-1 | S3-2

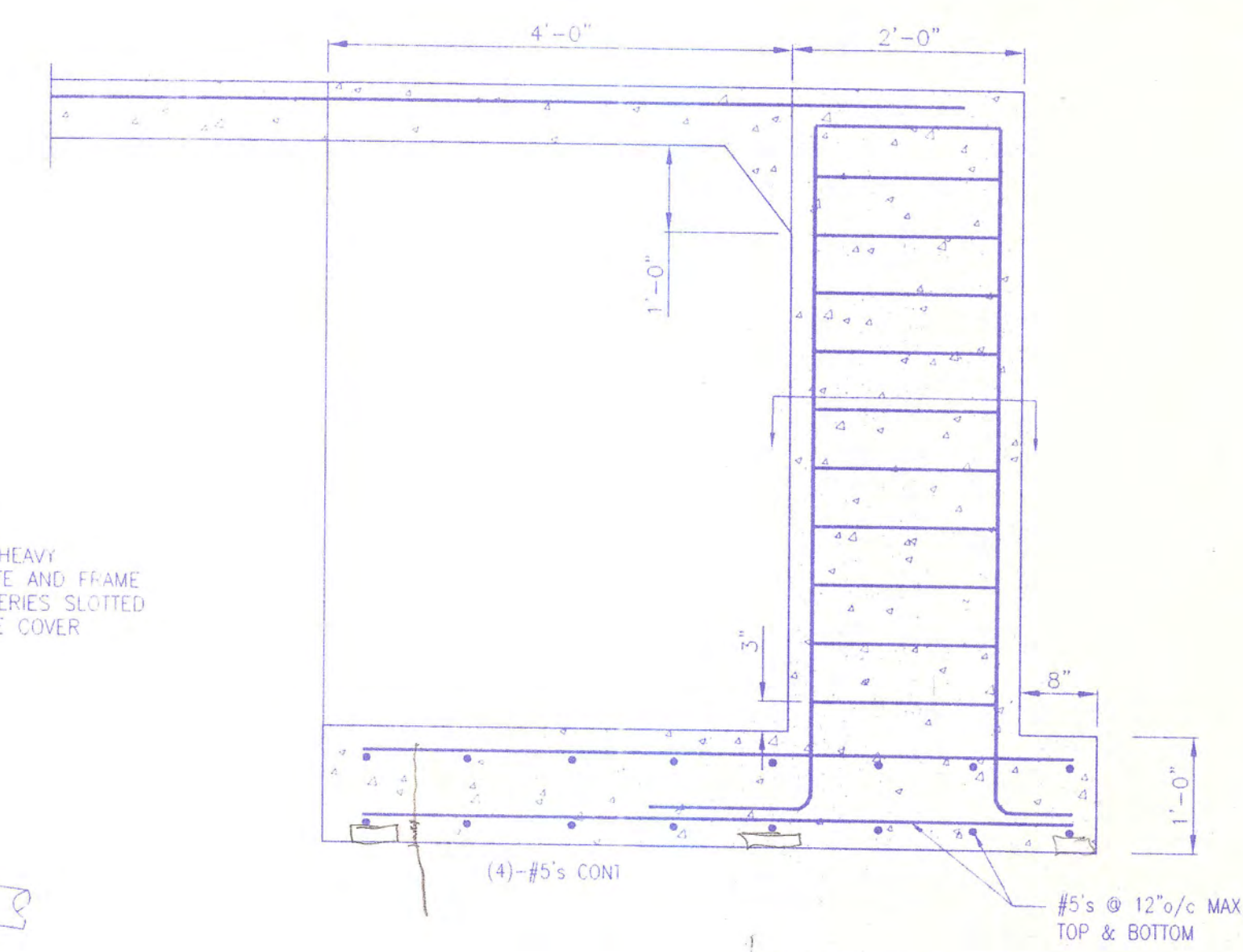
TYPICAL BRIDGING AND DECK ATTACHMENT TO MASONRY



SECTION 11
3/4" = 1'-0" S1-1 | S3-2

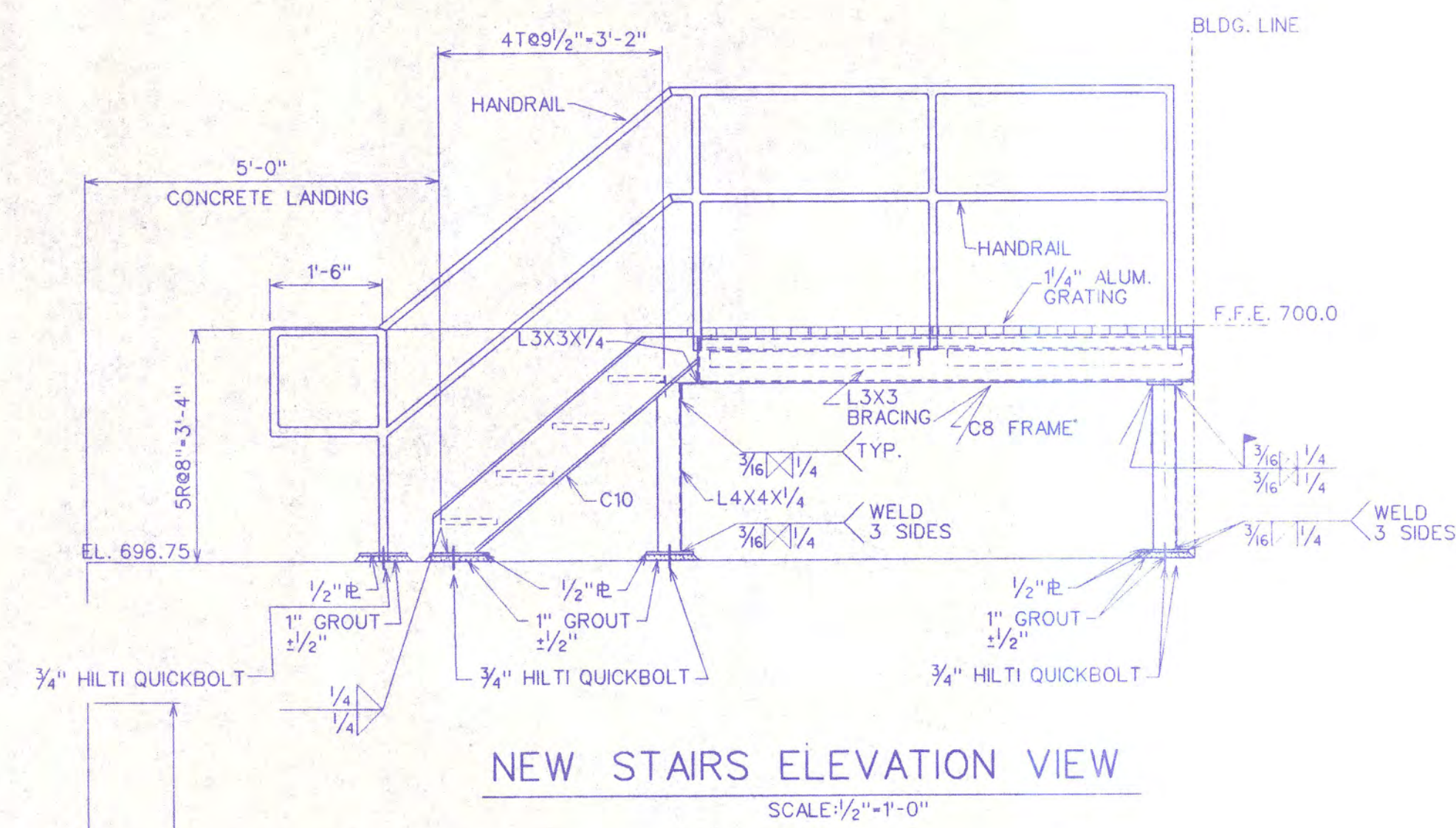


SECTION 12
3/4" = 1'-0" S1-1 | S3-2



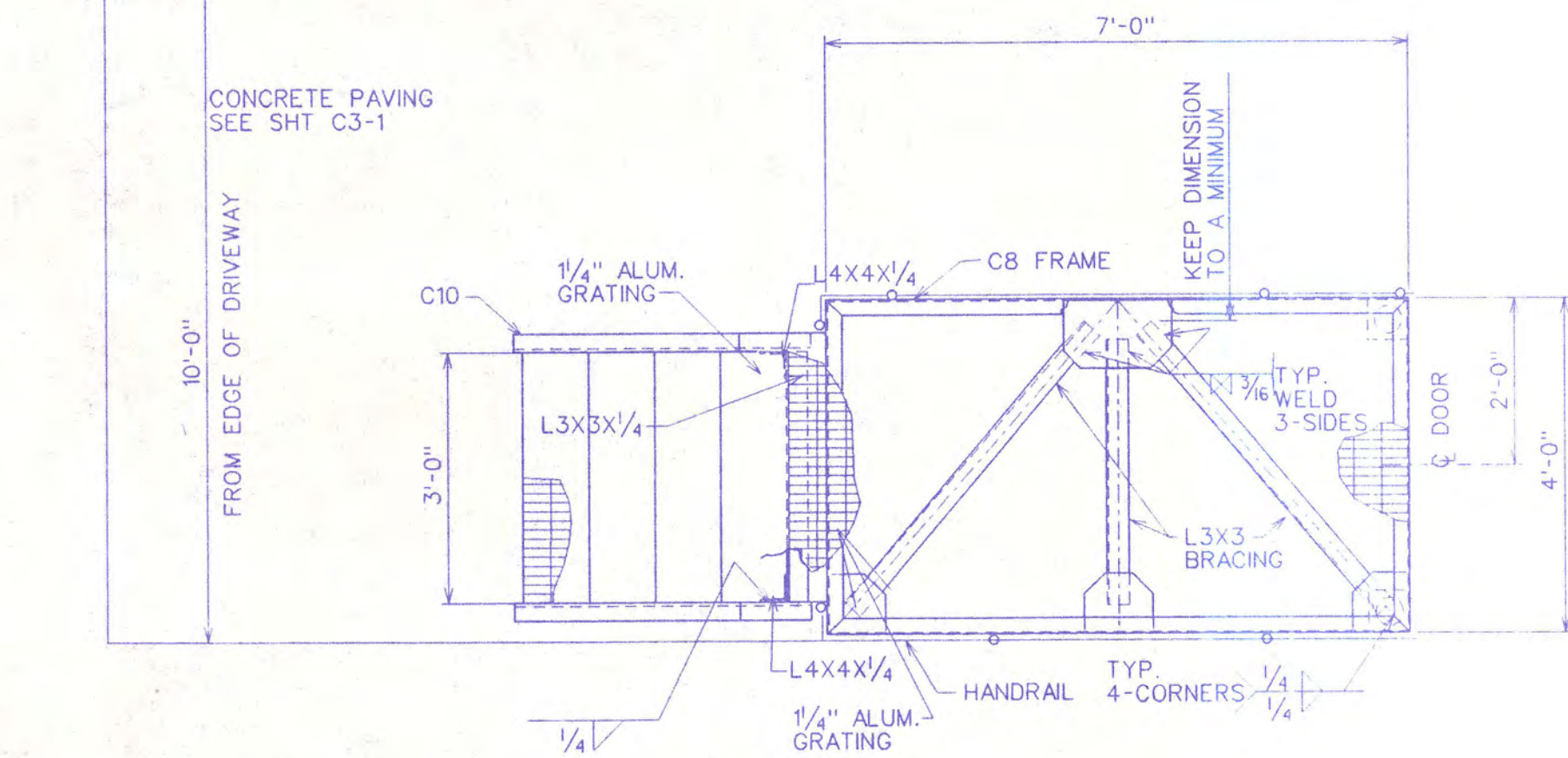
SECTION 13
3/4" = 1'-0" S1-1 | S3-2

CAD File: S:\99053\Dalton\1111\res\sludge\struct\99053532.dwg Plotted at: Tue Jun 29 16:07:03 1999 Doc 9403



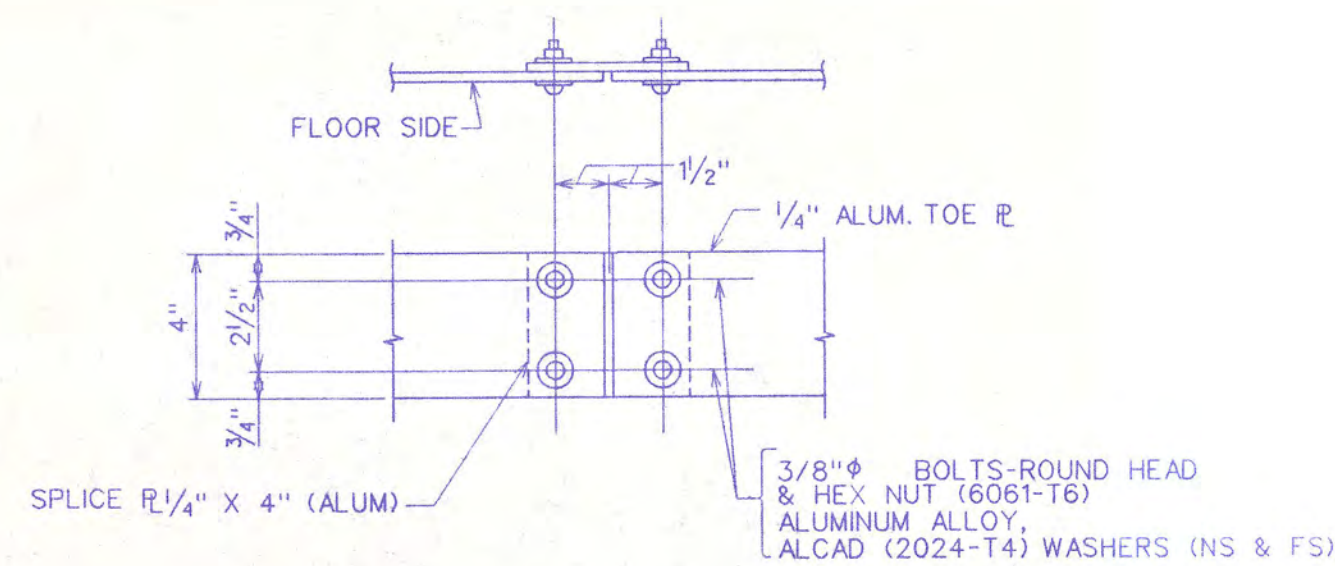
NEW STAIRS ELEVATION VIEW

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



NEW STAIRS PLAN VIEW

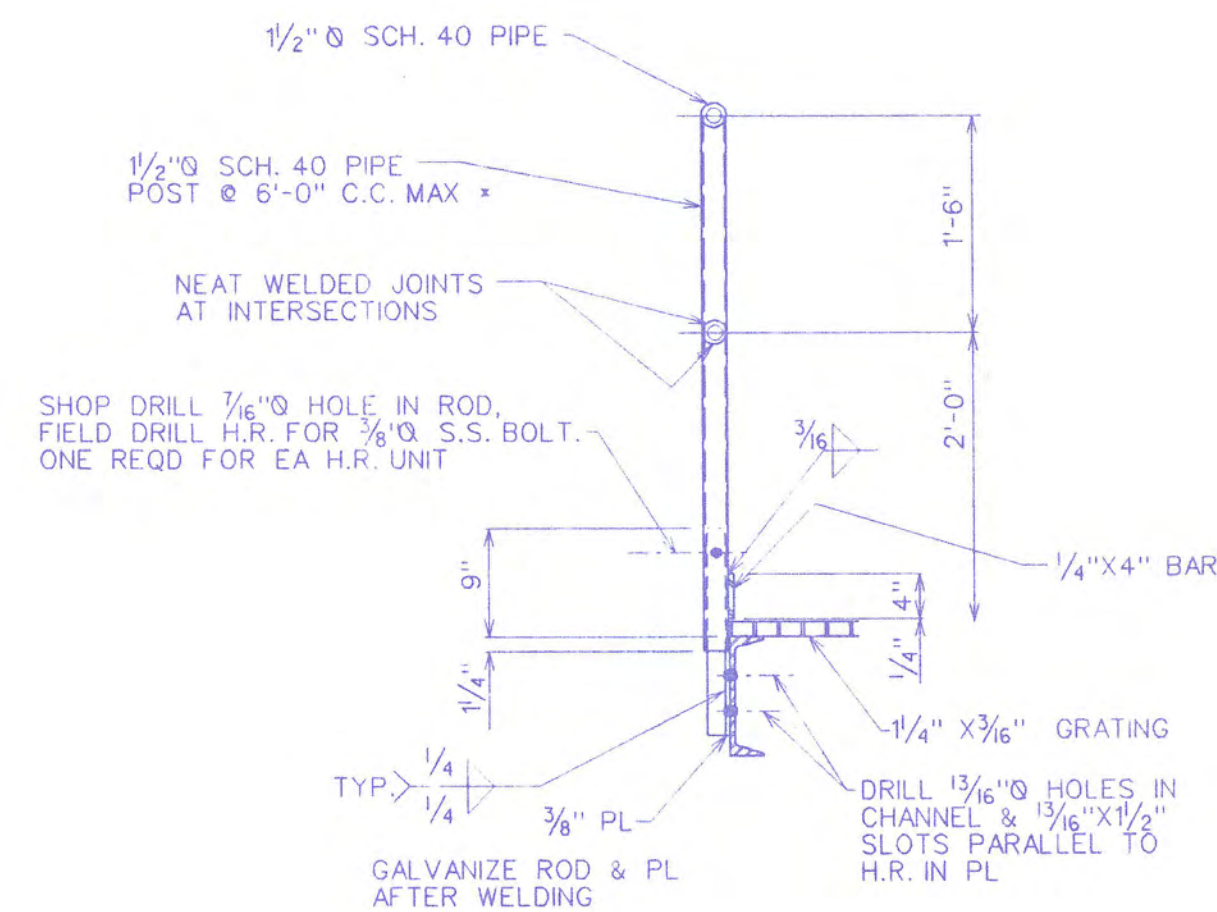
SCALE: 1/2"=1'-0"



TYPICAL ALUMINUM HR TOE R SPLICE

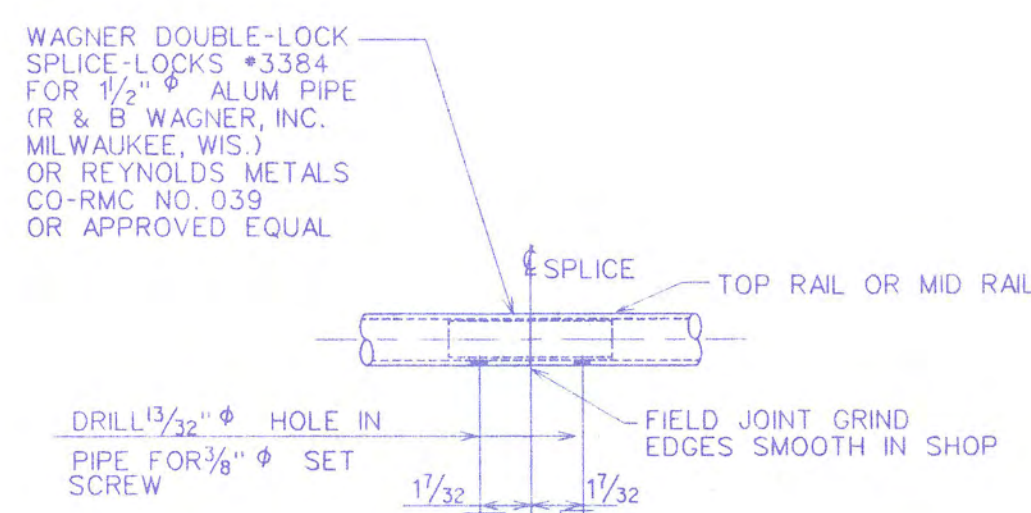
DETAIL SD-HR-02

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



HANDRAIL CONNECTION DETAILS

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



ALUMINUM HR DETAIL "A"

DETAIL SD-HR-03

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

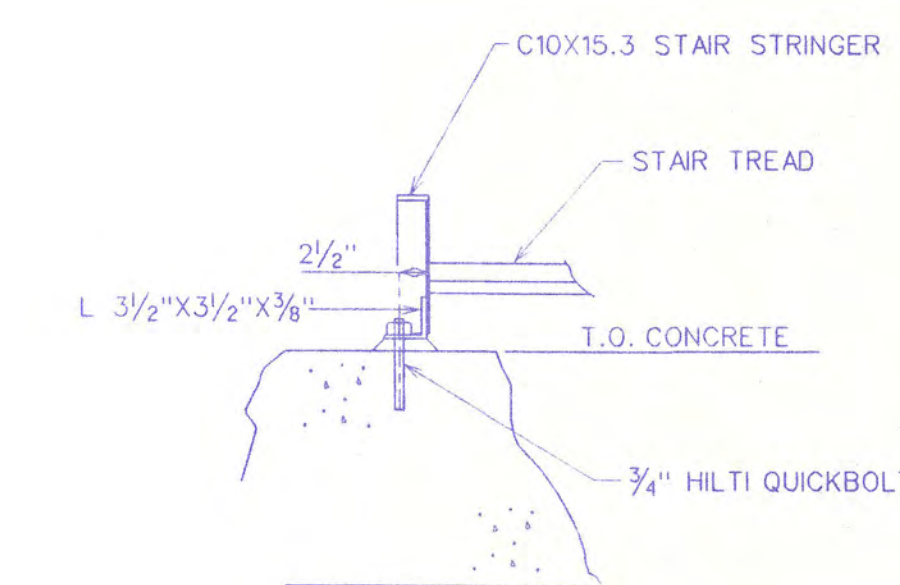
GENERAL NOTES - STEEL

- DESIGN, FABRICATION, & ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE MANUAL OF STEEL CONSTRUCTION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION NINTH EDITION UNLESS OTHERWISE MODIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
- MATERIAL SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION UNLESS NOTED:

STRUCTURAL STEEL	- ASTM A36-84A
HIGH STRENGTH BOLTS	- ASTM A325-86A 3/4" DIA. MECHANICALLY GALVANIZED ASTM B695 CLASS 50
WELD STEEL	- AWS D1.1 CLASS E70
- ALL SHOP CONNECTIONS SHALL BE WELDED OR MADE WITH HIGH STRENGTH BOLTS UNLESS NOTED SPECIFICALLY.
- FIELD CONNECTIONS SHALL BE MADE WITH 3/4" HIGH STRENGTH BOLTS. FIELD WELDING WILL BE ALLOWED ONLY WHERE NOTED ON THE DRAWINGS AND DETAILS.
- ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH THREADS INCLUDED IN THE SHEAR PLANE UNLESS NOTED.
- GUSSET PLATES SHALL BE 3/8" THICK MINIMUM. OVERHANGING CORNERS ON GUSSETS SHALL BE NEATLY CLIPPED.
- ERECTOR SHALL PROVIDE ALL TEMPORARY SHORING & BRACING NEEDED FOR STABILITY UNTIL STRUCTURE IS COMPLETE.
- ANCHOR BOLTS INTO HARDENED CONCRETE SHALL BE HILTI-C-100 ADHESIVE ANCHORS. EXPANSION BOLTS SHALL BE HILTI-KWIK BOLT UNLESS NOTED OTHERWISE.
- GRATING FOR PLATFORMS AND WALKWAYS SHALL BE ALUMINUM WITH 1/4" X 3/16" BEARING BARS AT 1 1/2" C/C WITH A MAXIMUM CROSS BAR SPACING OF 4" C/C UNLESS NOTED. GRATING SHALL BE CONNECTED TO SUPPORT STEEL WITH SADDLE TYPE CLIPS USING STAINLESS STEEL SELF TAPPING SCREWS.
- ALL HIGH STRENGTH FIELD BOLTED CONNECTIONS SHALL BE TIGHTENED BY THE "TURN-OF-THE-NUT" METHOD AS SPECIFIED IN "THE ALLOWABLE STRESS DESIGN SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

ALUMINUM HR NOTES:

- HANDRAIL TO BE ALL SHOP WELDED CONSTRUCTION, UNLESS NOTED, WITH ROUGH EDGES AND WELDS GRIND SMOOTH. SHOP ASSEMBLY COMPLETE EXCEPT AT SPLICES.
- ALL HANDRAIL TO BE 1 1/2" SCHEDULE 40 (6061-T6) ALUMINUM PIPE (POSTS AND RAILS) WITH POSTS SPACED AT 6'-0" MAX. CENTERS.
- TOE R TO BE 1/4" X 4" ALUMINUM (6061-T6).
- NO WELDING AT BASE OF ALUMINUM HANDRAIL WILL BE ALLOWED EXCEPT TO ATTACH TOE PLATE.
- ALL STEEL SURFACES IN CONTACT WITH ALUMINUM SHALL BE COATED WITH A BITUMINOUS PAINT OR OTHER APPROVED INSULATION MATERIAL.
- STEEL CONNECTION MATERIAL AT BASE OF ALUMINUM HANDRAIL SHALL BE GALVANIZED.
- HOLES IN HANDRAIL BRACKET OR BASE PLATE TO BE SLOTTED PARALLEL TO HANDRAIL TO PROVIDE HOLES 13/16" X 1 1/2" OR 11/16" X 1 1/2" AS APPLICABLE.



DETAIL SD-MC-01

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

PROJECT NO.:

9907

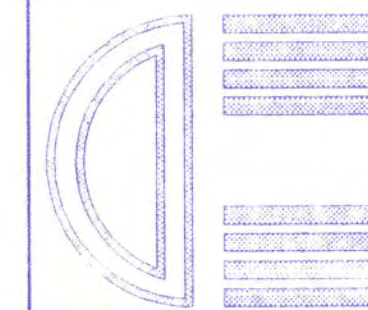
DATE: 4/23/99

FILE NAME:

DALTON UTILITIES

Jennings-King Architects, Inc.

P.O. Box 1679
121 West Crawford Street
Dalton, Georgia 30722
(706) 278-4242



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DALTON UTILITIES
SLUDGE PROCESSING FACILITY

???? ROAD
DALTON, GEORGIA

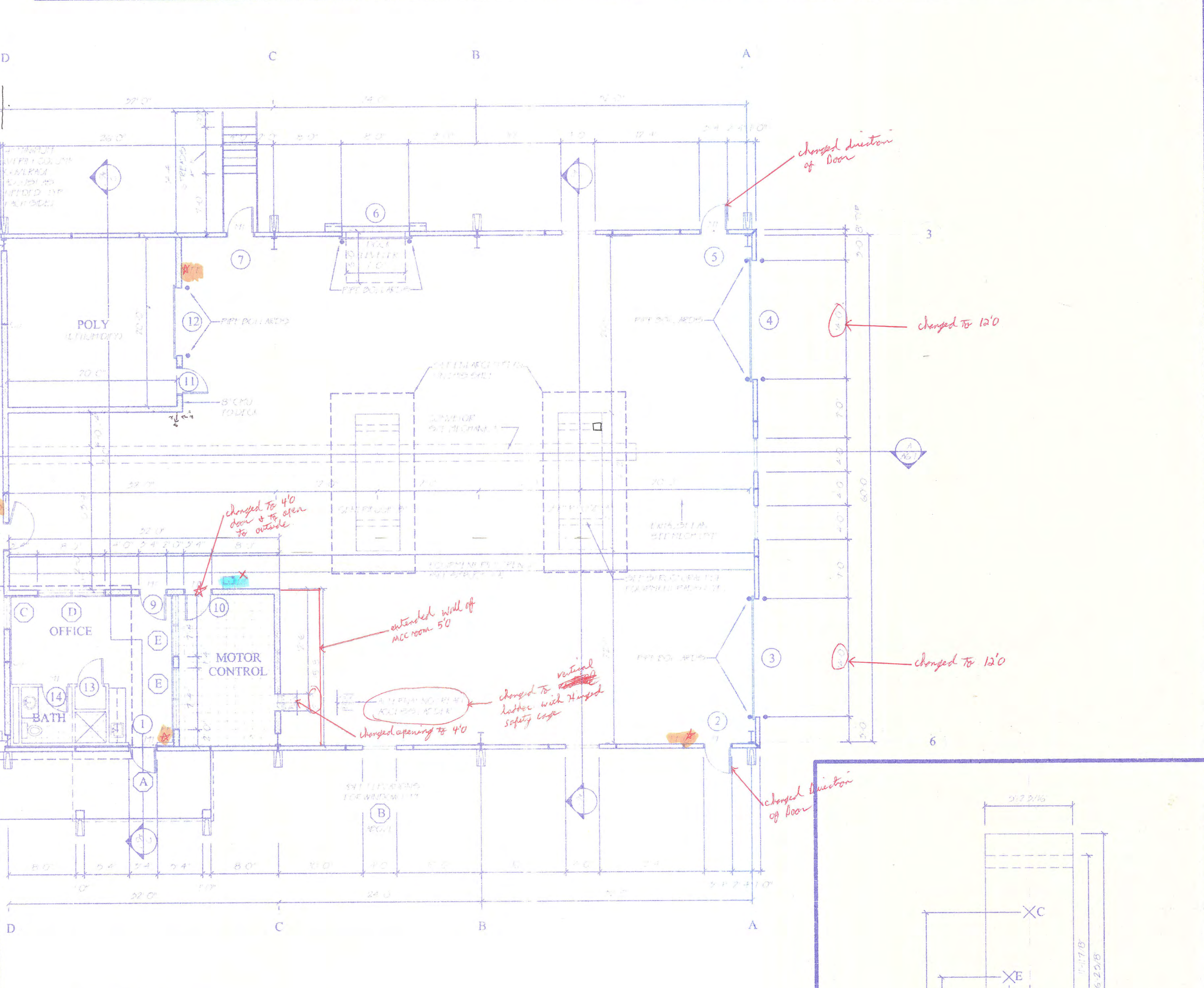
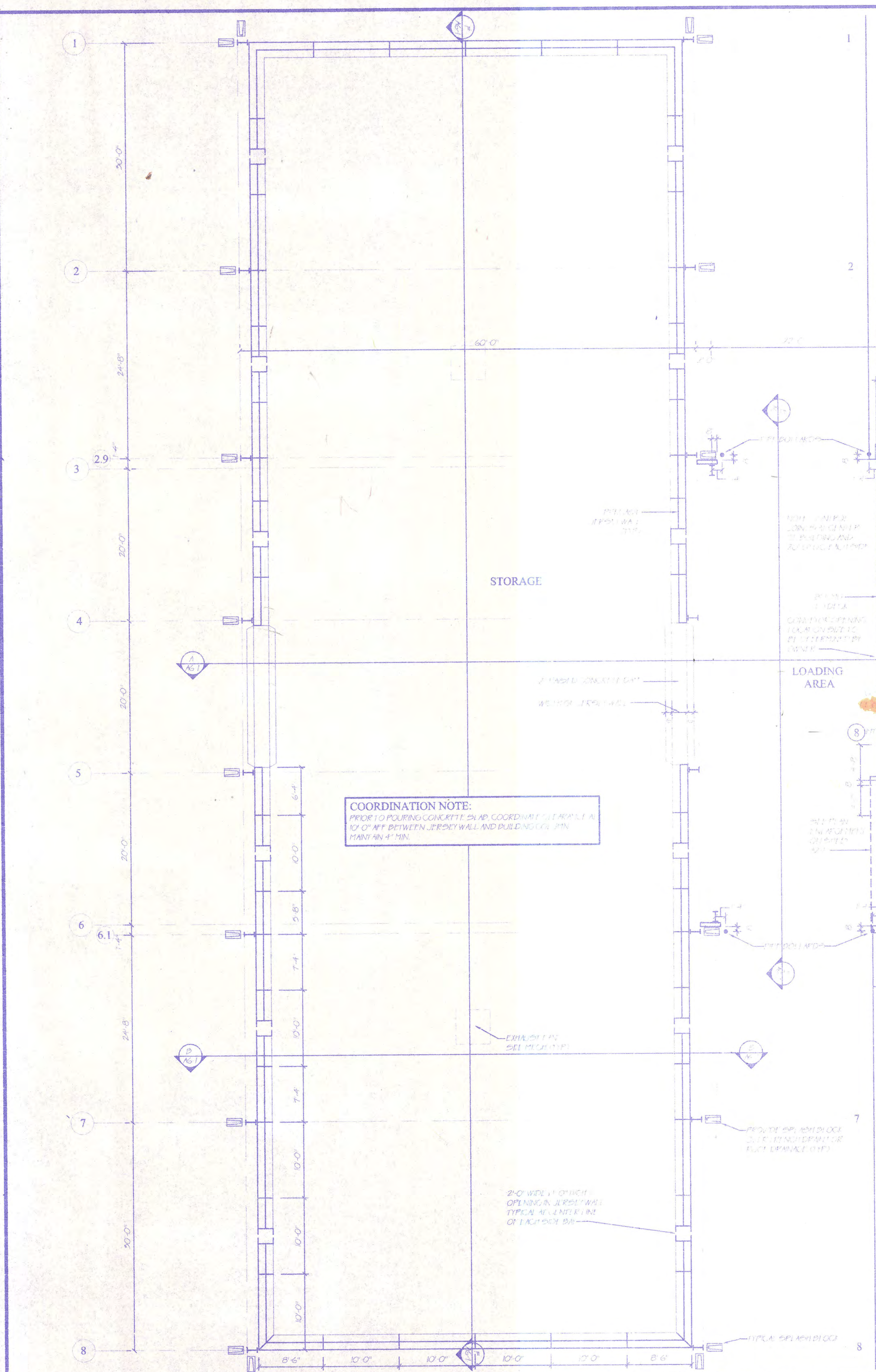
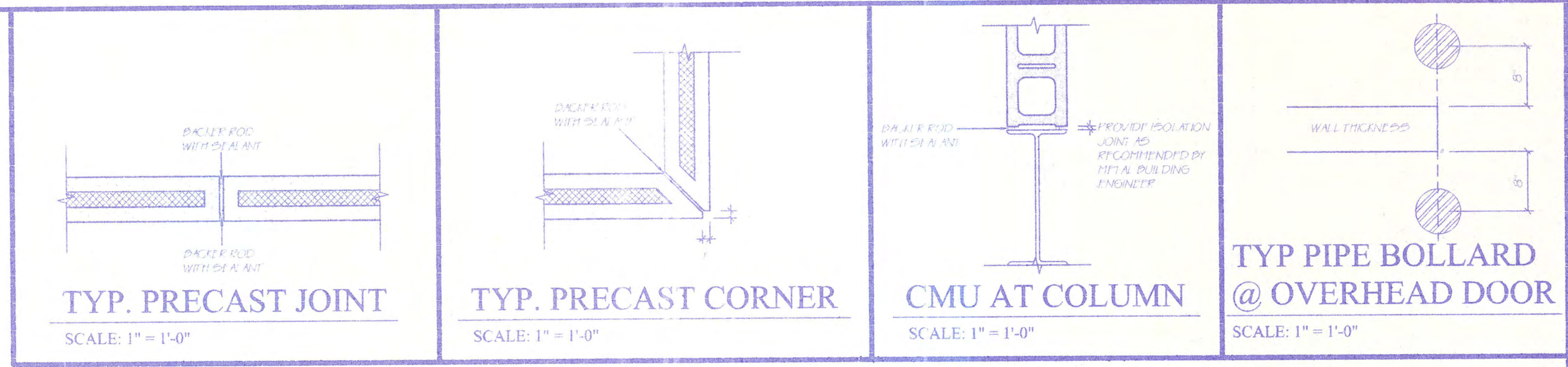
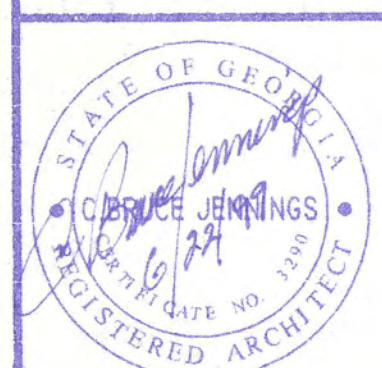
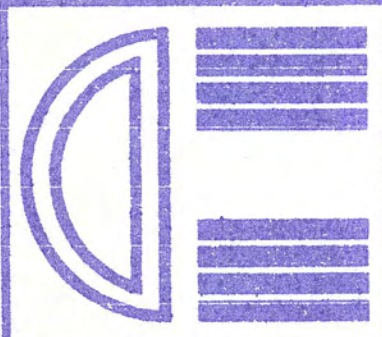
Amey & Allen
4224
Dalton, Georgia

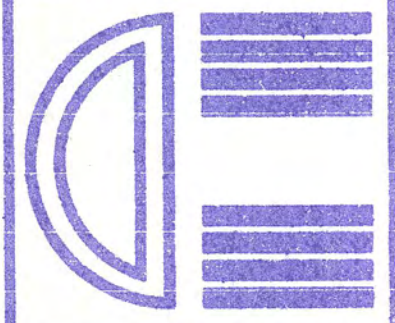
SHEET INDEX:

MISC. DETAILS

DRAWING NO.:

S3-3





FLOOR	ROOM	WALLS	NOTES
1	OFFICE	W1	D
1	MOTOR CONTROL	W2	D.F.
1	BATH	W3	D
1	CLOSET	W4	D
1	OFFICE	W5	D
1	MOTOR CONTROL	W6	D
1	BATH	W7	D
1	CLOSET	W8	D
1	OFFICE	W9	D
1	MOTOR CONTROL	W10	D
1	BATH	W11	D
1	CLOSET	W12	D

FLOOR FINISHES

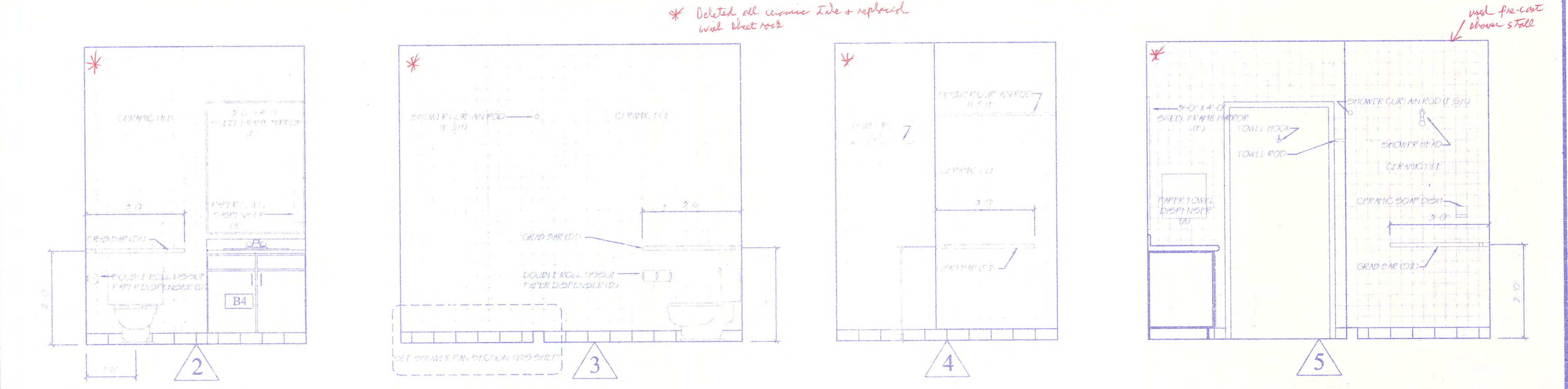
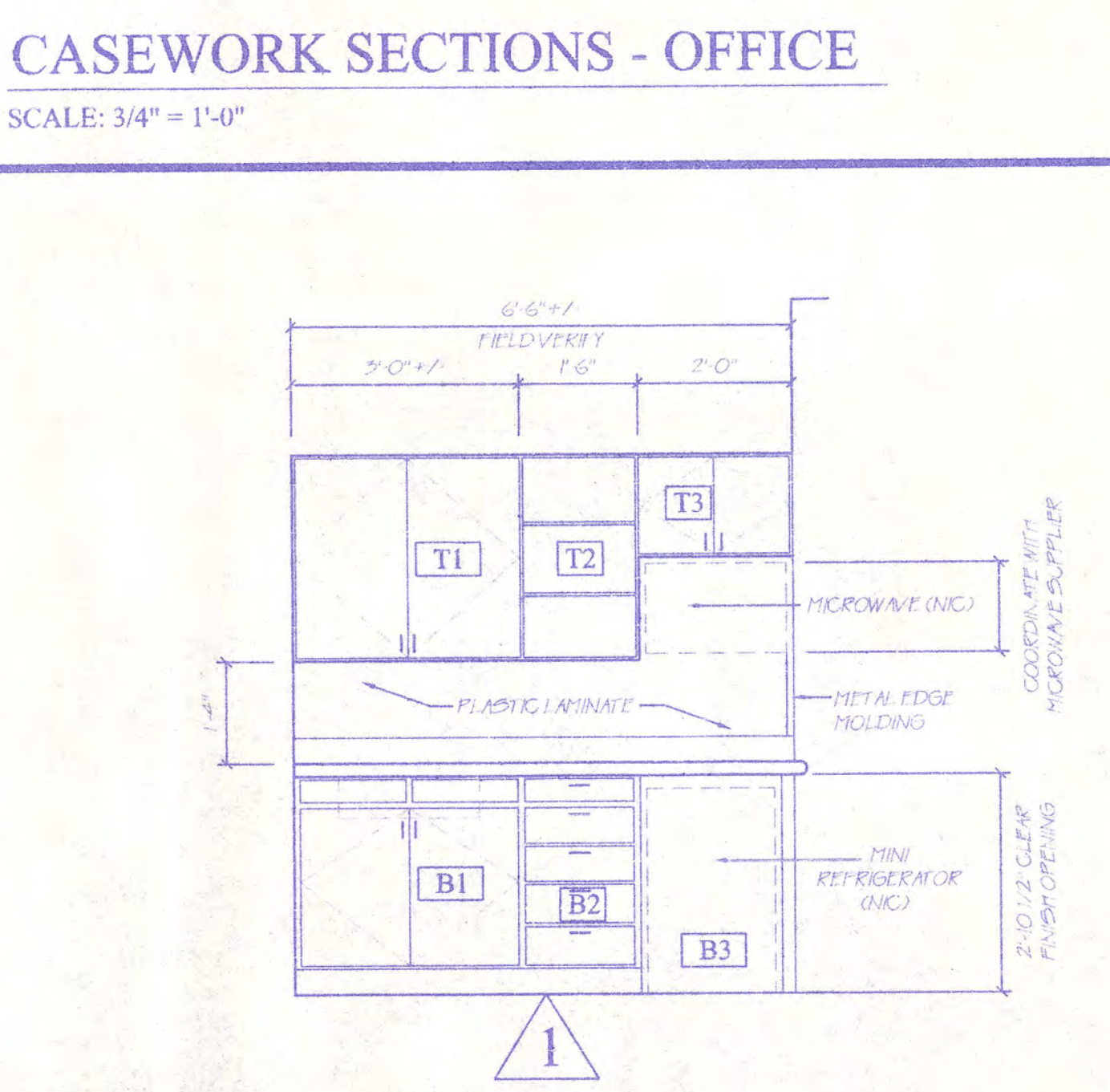
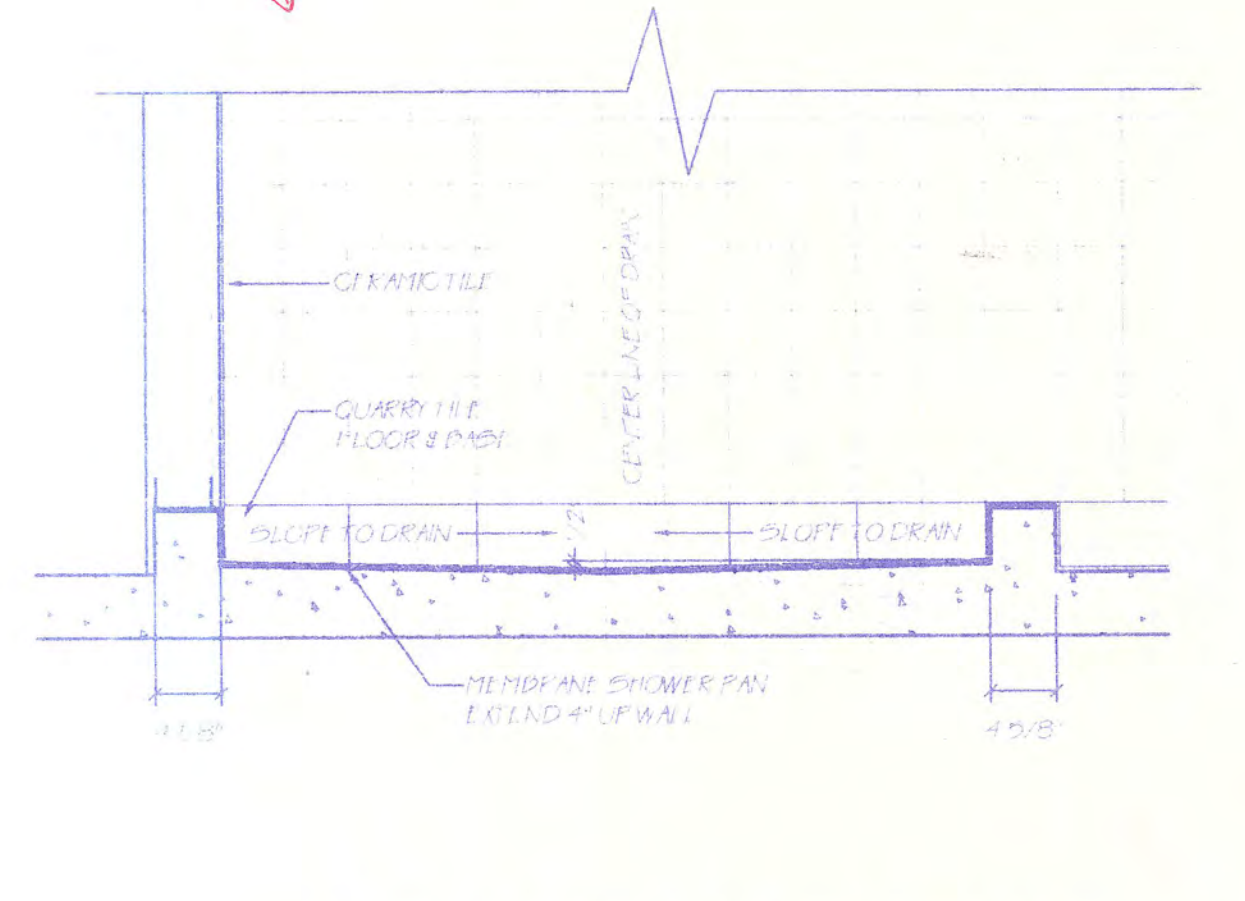
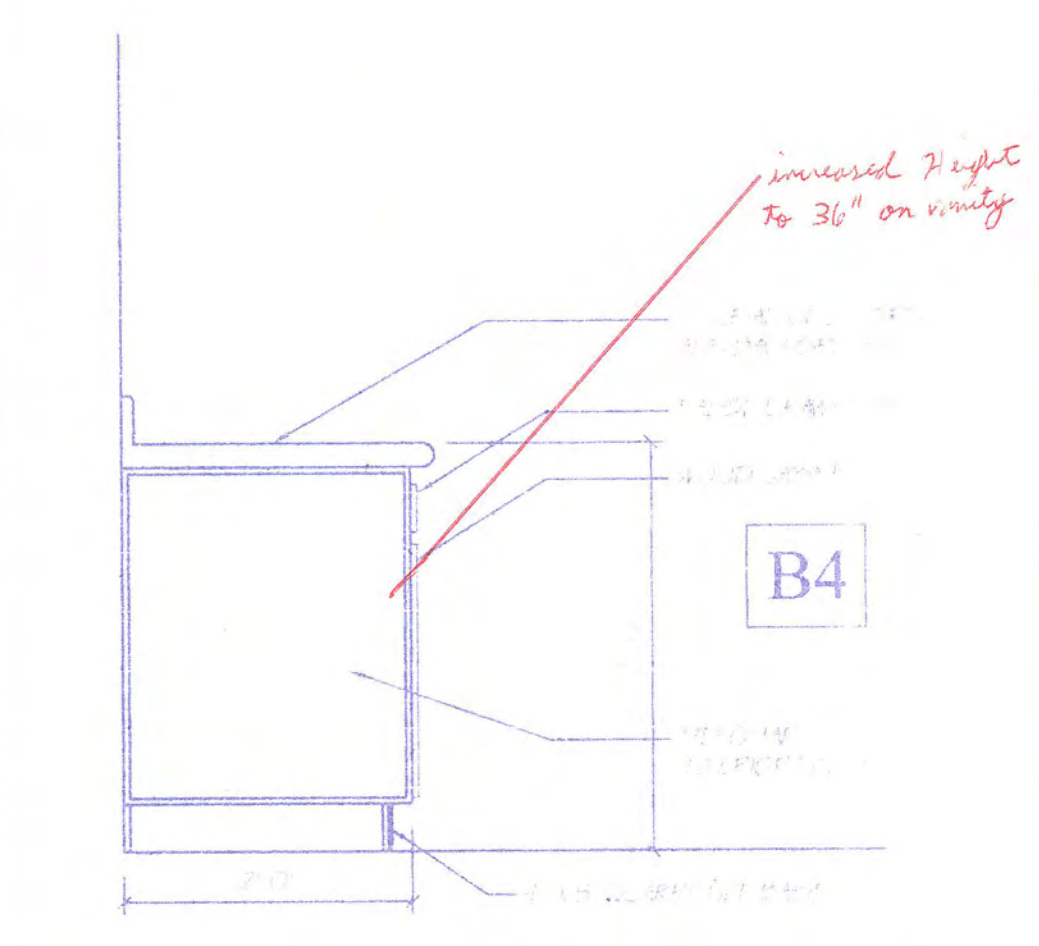
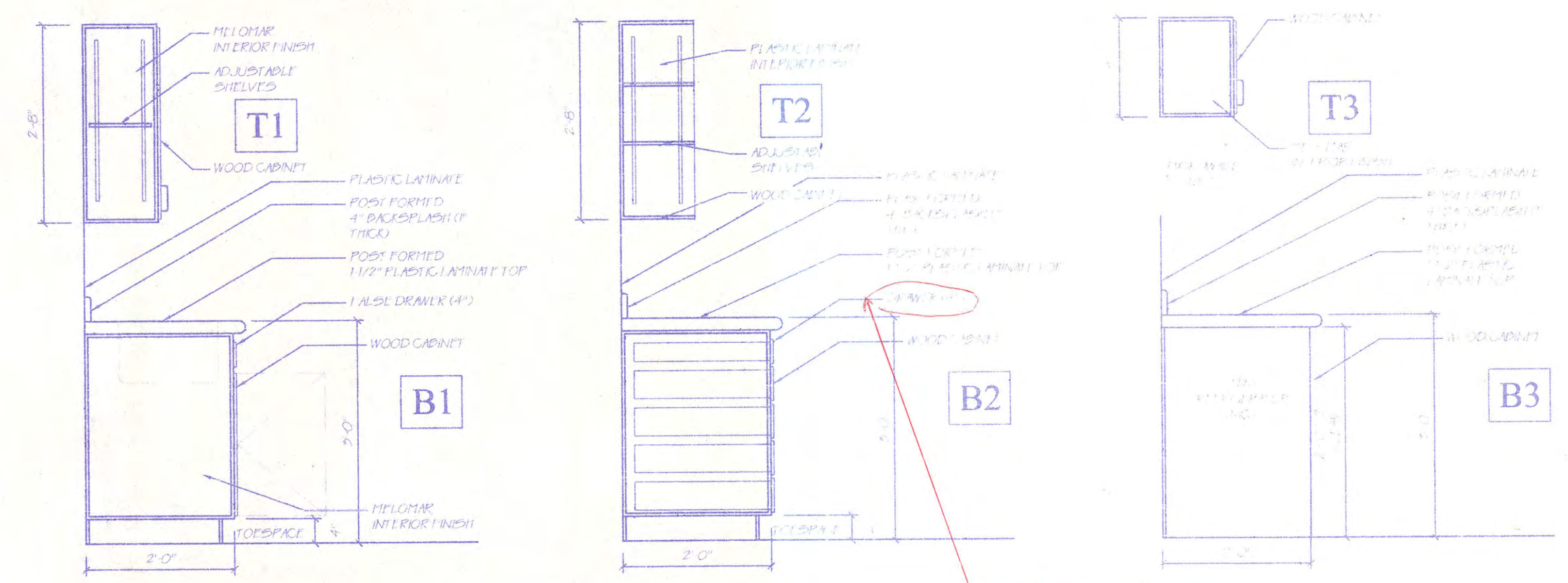
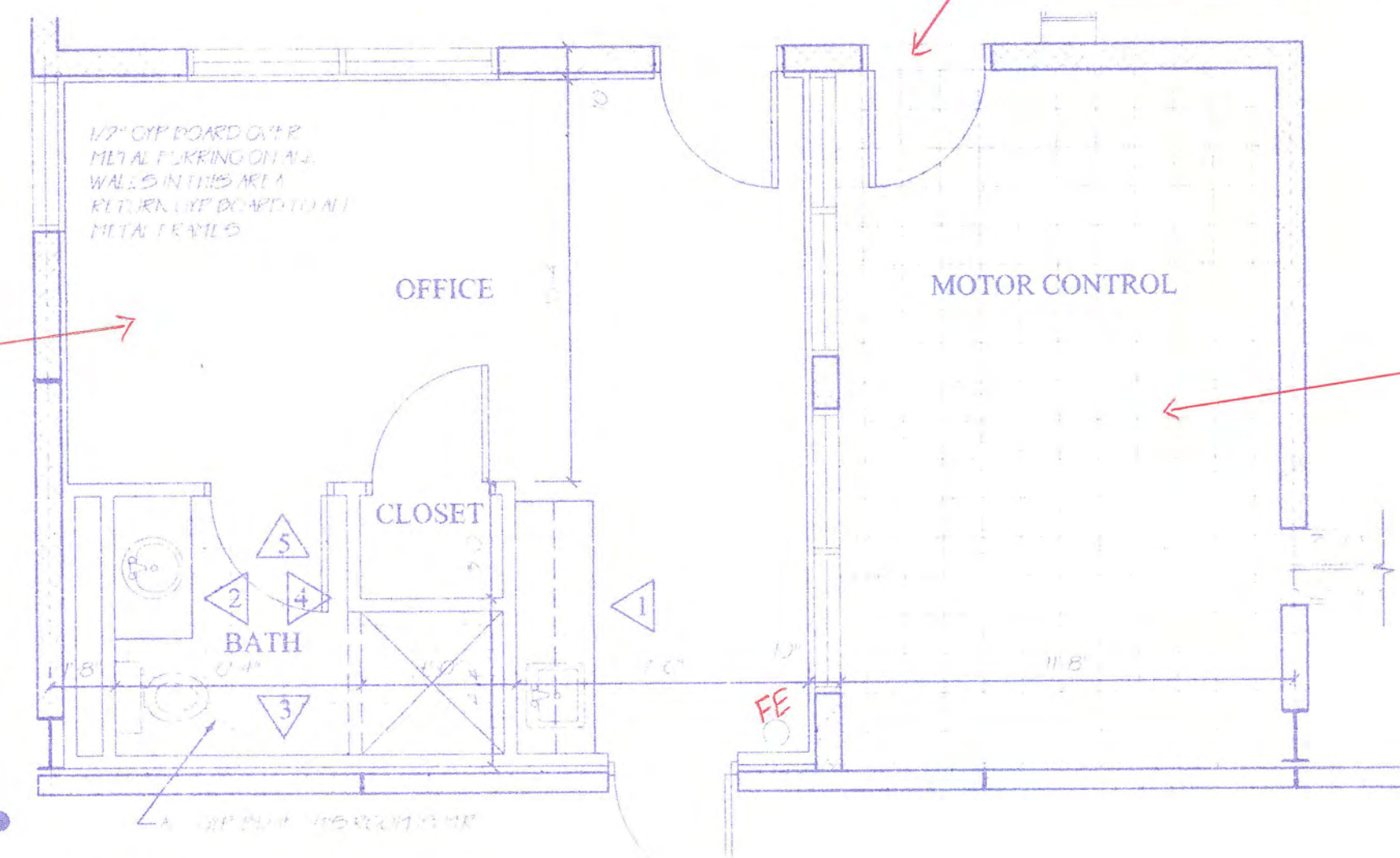
FINISH	ROOMS
F1	OFFICE
F2	MOTOR CONTROL
F3	BATH
F4	CLOSET

WALLS

WALL	ROOMS
W1	OFFICE
W2	MOTOR CONTROL
W3	BATH
W4	CLOSET
W5	OFFICE
W6	MOTOR CONTROL
W7	BATH
W8	CLOSET
W9	OFFICE
W10	MOTOR CONTROL
W11	BATH
W12	CLOSET

NOTES

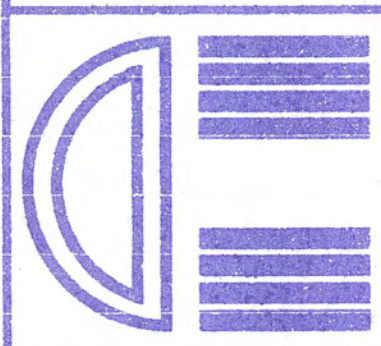
- PAINT FILL ON METAL FRAMES AND DOORS - TYPICAL FOR ALL.
- PAINT ACCESS LADDER.
- SET INTERIOR ELEVATIONS FOR GULLY ACCESSORIES.
- SET INTERIOR ELEVATIONS FOR CASEWORK.
- PAINT ALL OVERHEAD DOOR FRAMES AND DOOR HOUSINGS.



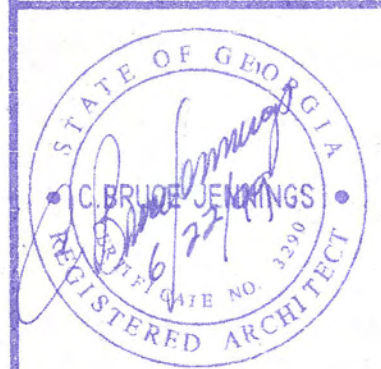
P:\9907-sludge\9907drawings\A2-1.dwg Tue Jun 23 15:28:41 1999 MATT PARTON

PROJECT NO.: 9907
 DATE: 6/22/99
 FILE NAME: BENP:9907-SLUDGE

Jennings-King Architects, Inc.
 P.O. Box 1679
 121 West Crawford Street
 Dalton, Georgia 30722
 (706) 278-4242

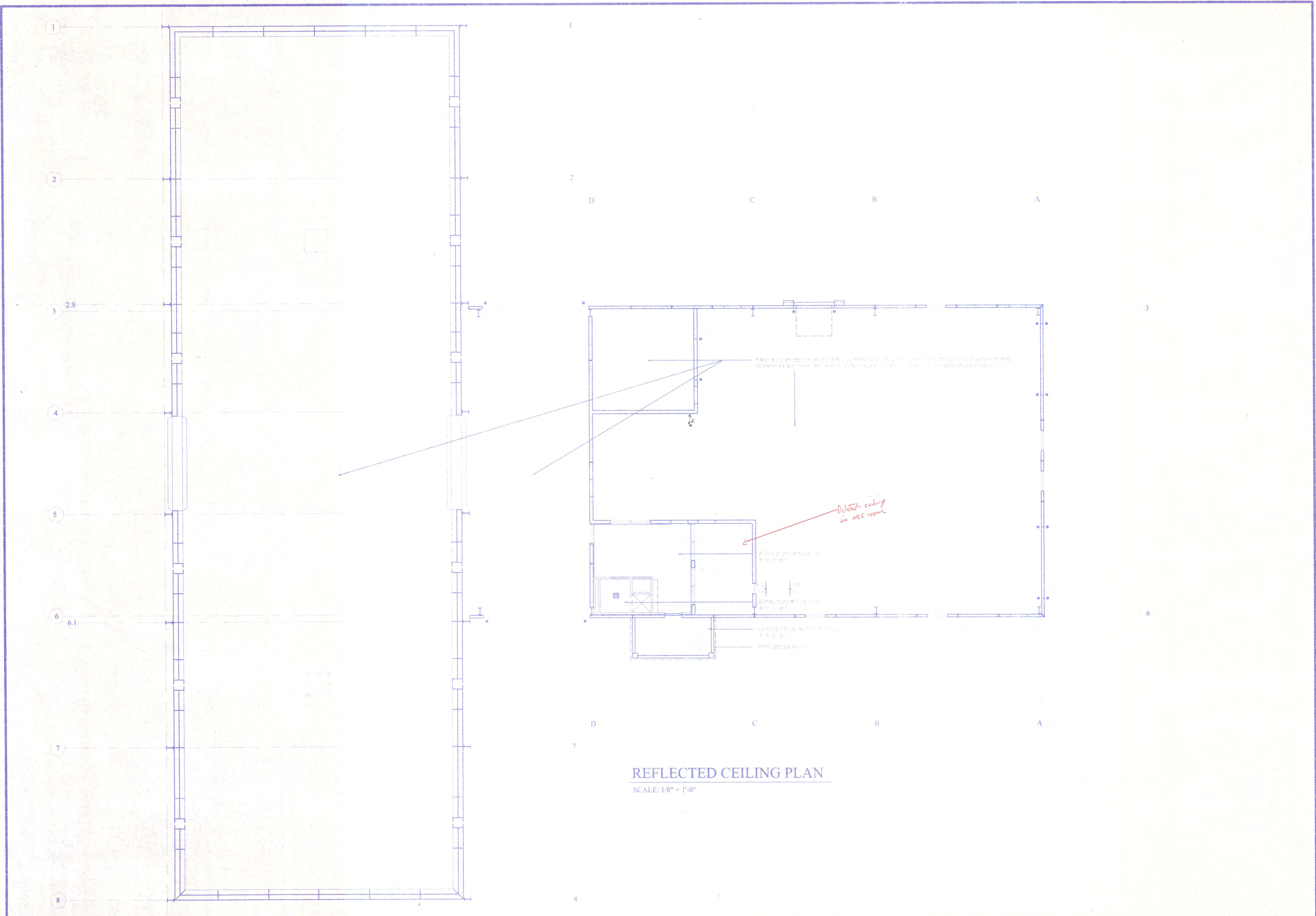


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 DALTON, GEORGIA



SHEET INDEX:

DRAWING NO.: **A3-1**

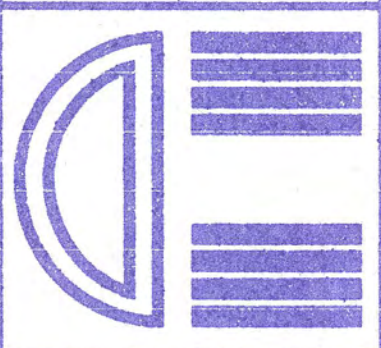


REFLECTED CEILING PLAN
 SCALE: 1/8" = 1'-0"

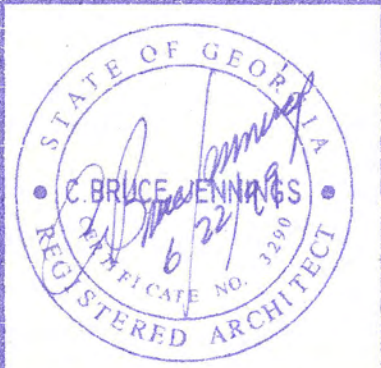
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PROJECT NO.:
9907
DATE: 6/22/99
FILE NAME:
BENP:9907-SLUDGE

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121 West Crawford Street
Dalton, Georgia 30722
(706) 278-4242

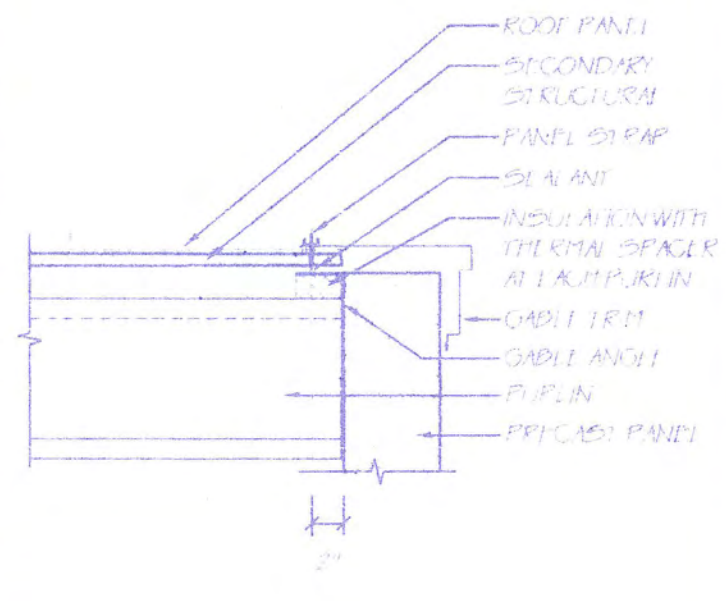


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SLUDGE PROCESSING FACILITY
DALTON, GEORGIA

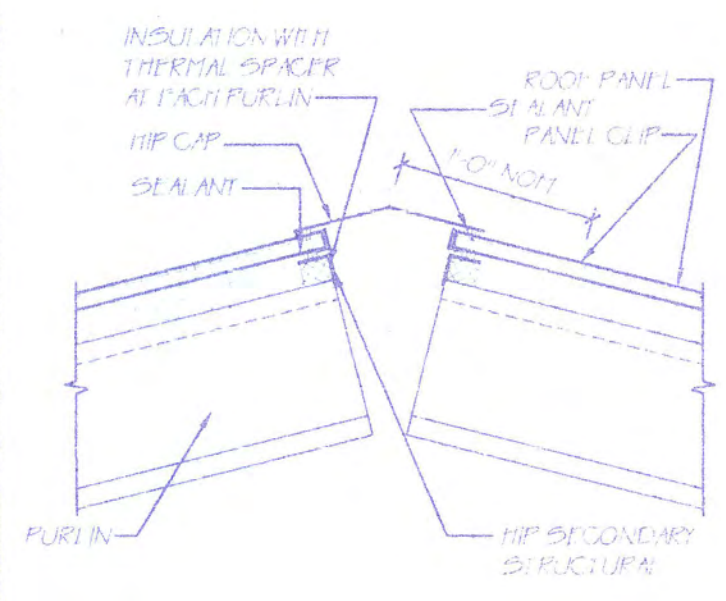


SHEET INDEX:

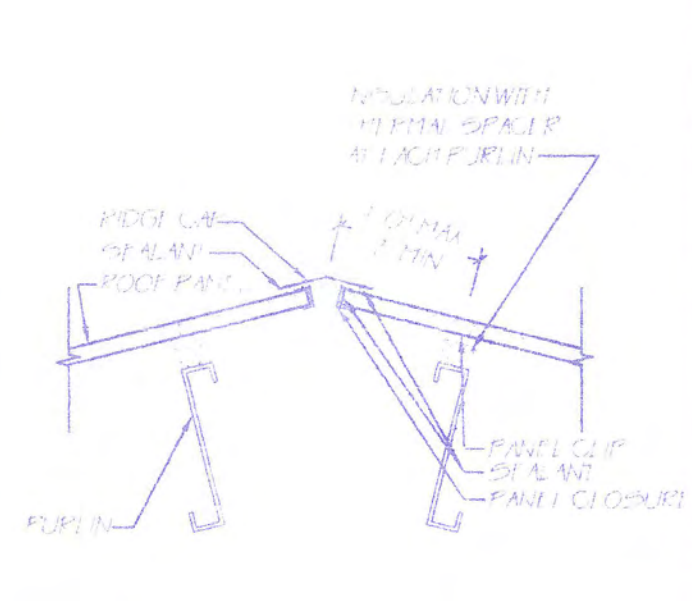
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A4-1



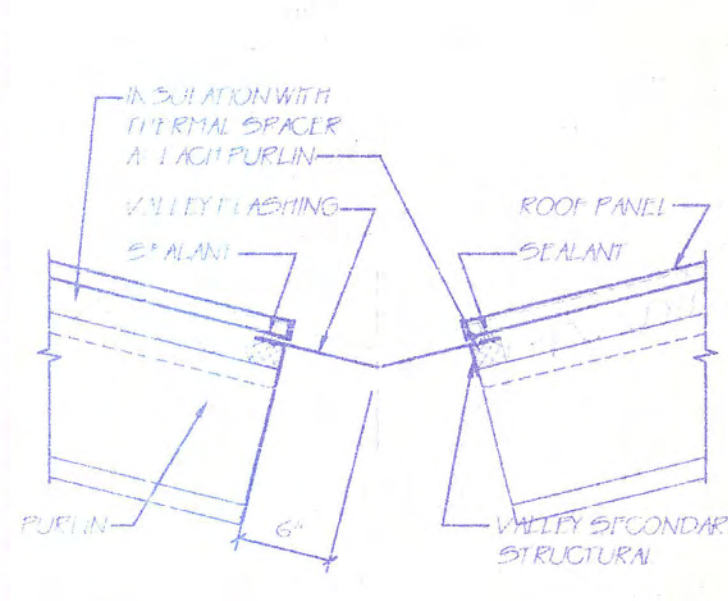
TYP. GABLE TRIM
SCALE: 1" = 1'-0"



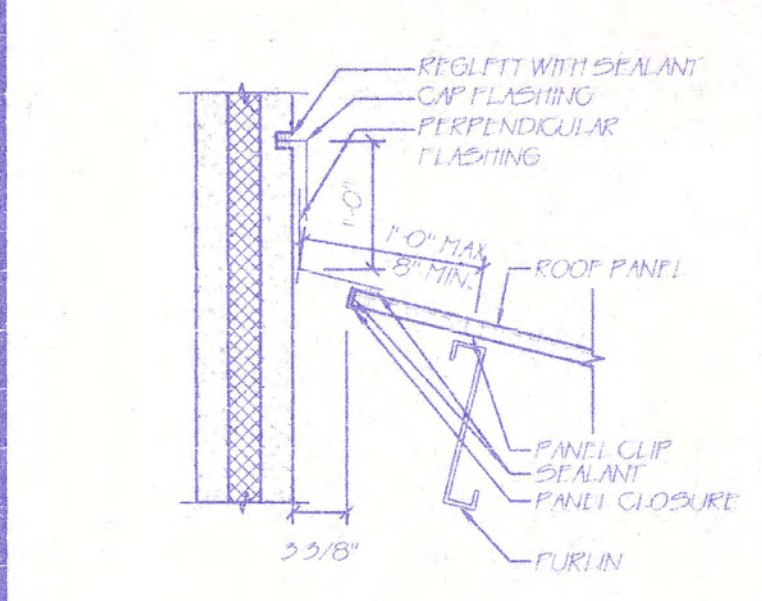
TYP. HIP TRANSITION
SCALE: 1" = 1'-0"



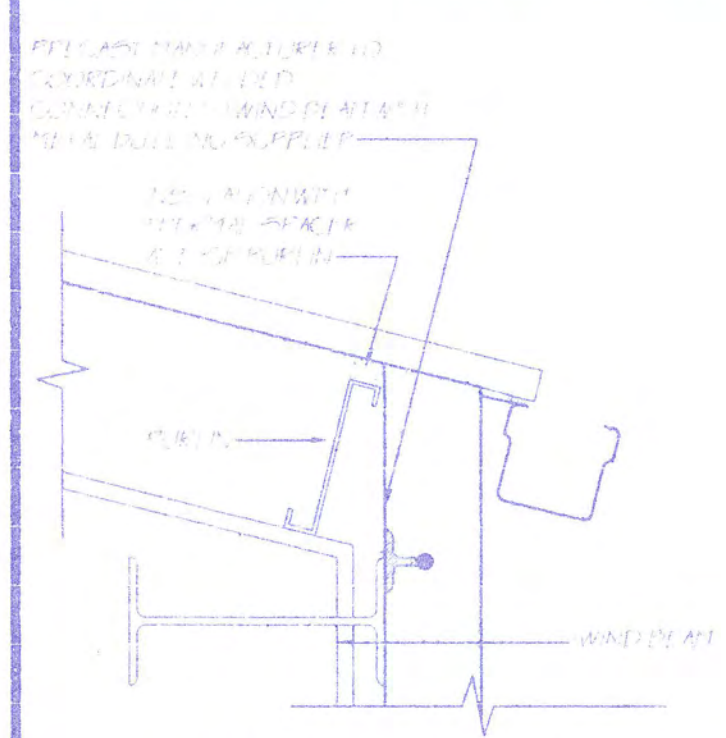
TYP. RIDGE CAP
SCALE: 1" = 1'-0"



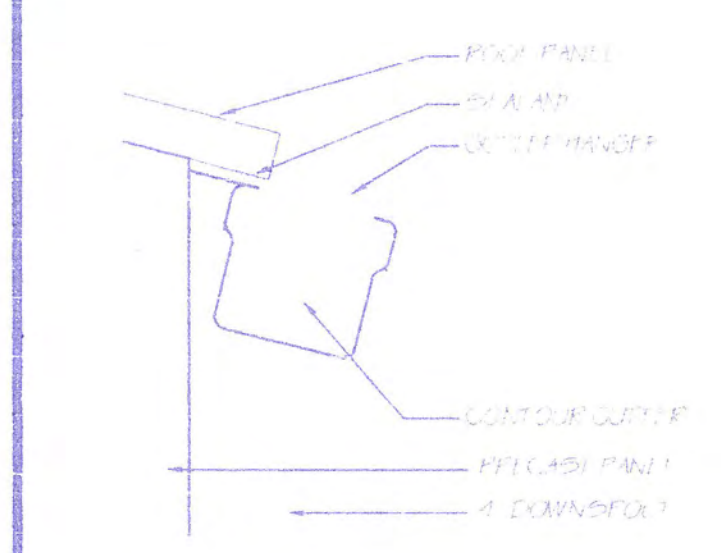
TYP. VALLEY FLASH.
SCALE: 1" = 1'-0"



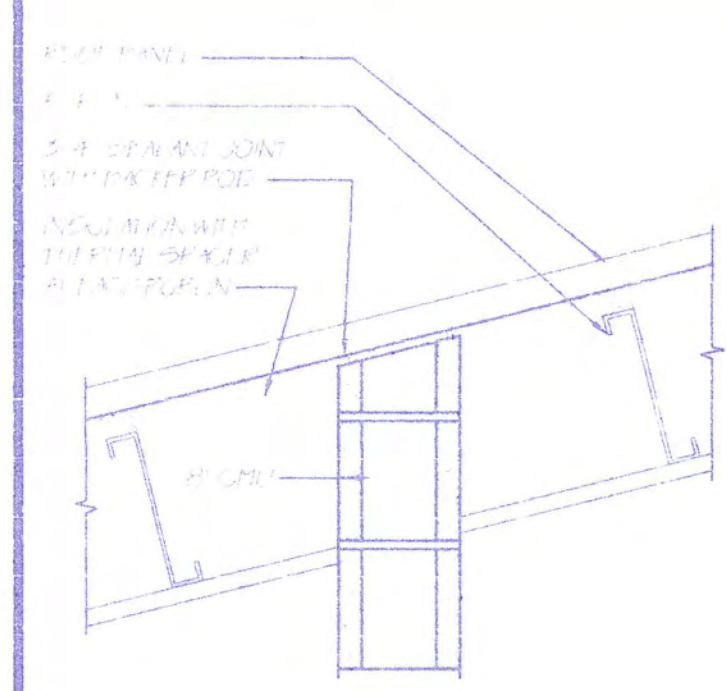
TYP. SIDEWALL FLASH
SCALE: 1" = 1'-0"



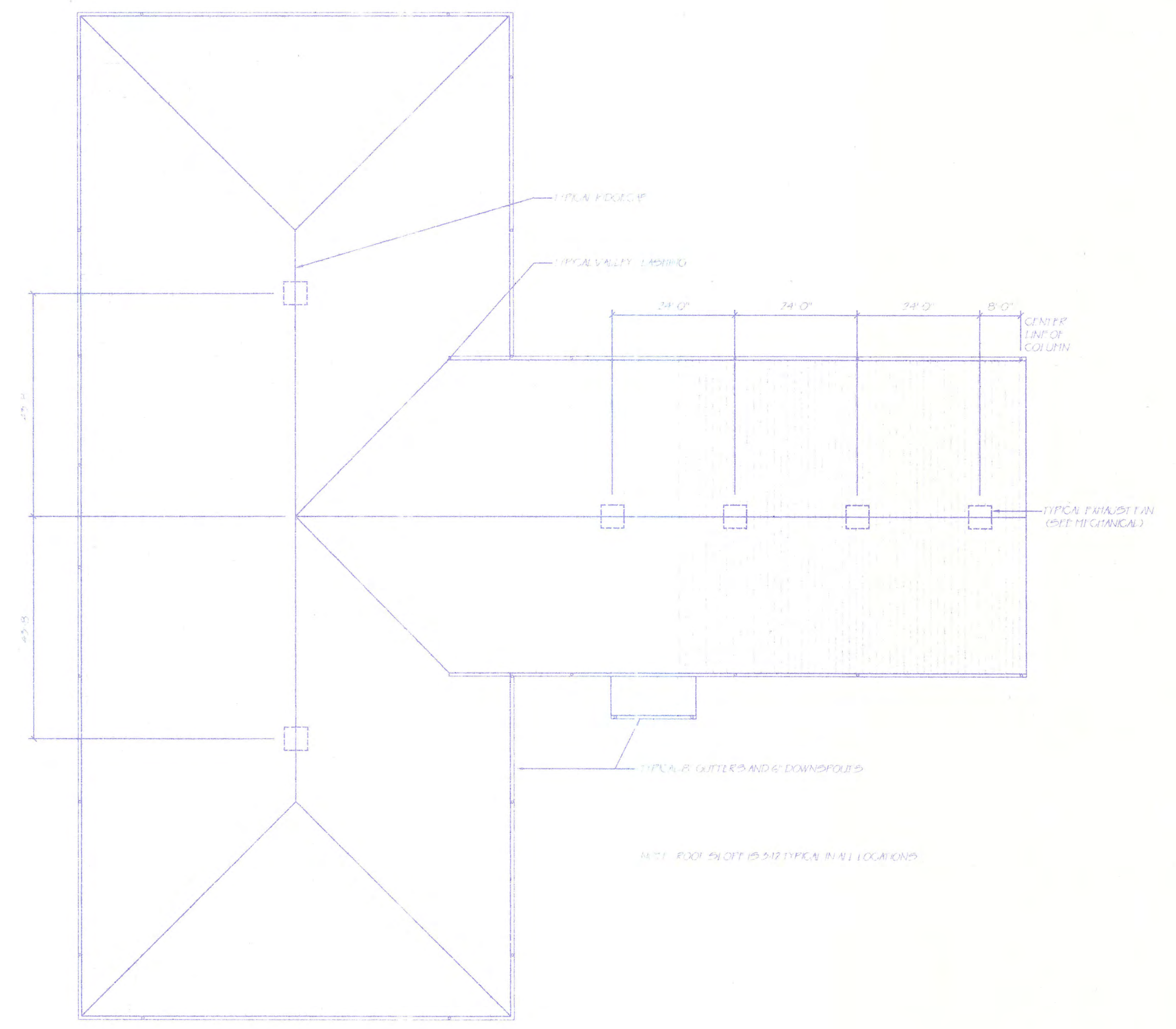
TYP. GUTTER @ WIND BEAM
SCALE: 1" = 1'-0"



TYP. GUTTER
SCALE: 1-1/2" = 1'-0"

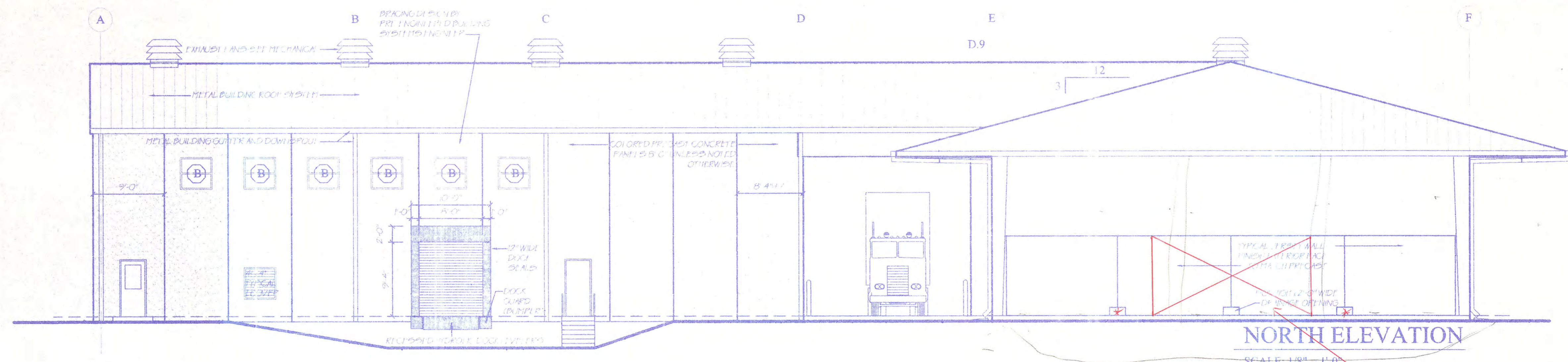
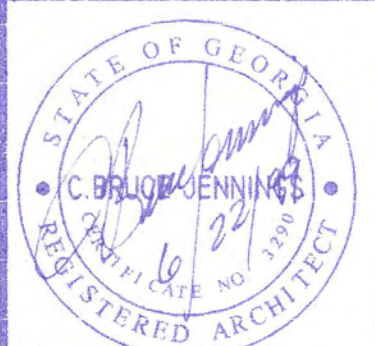


WALL @ POLY ROOM
SCALE: 1" = 1'-0"



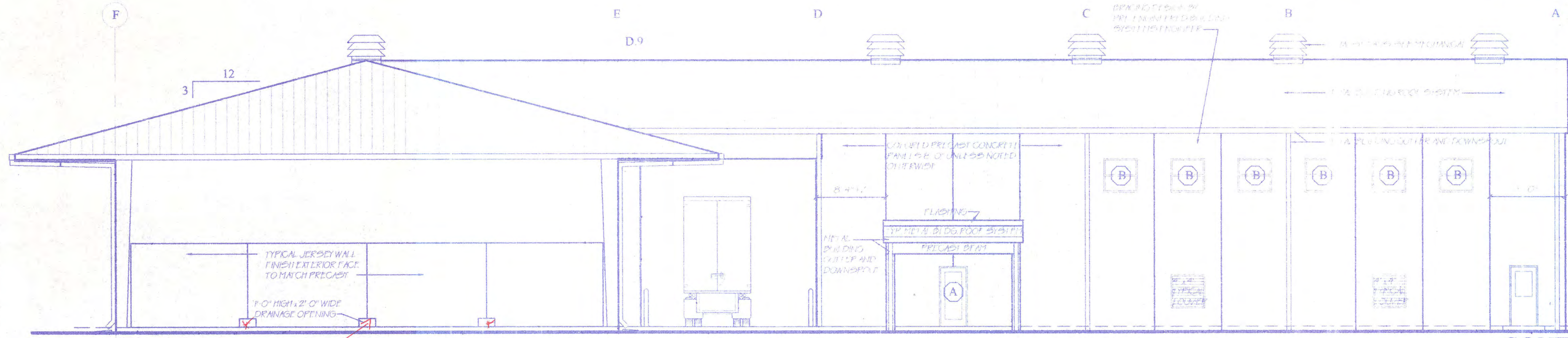
ROOF PLAN
SCALE: 1/16" = 1'-0"

P:\9907-sludge\9907drawings\A4-1.dwg Tue Jun 29 15:26:54 1999 MATT PARTON

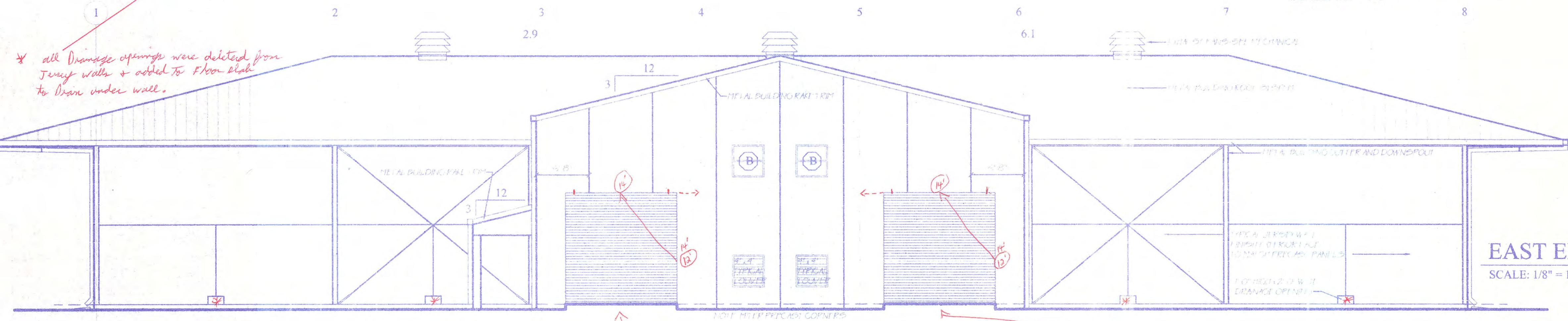


NORTH ELEVATION
 SCALE: 1/8" = 1'-0"

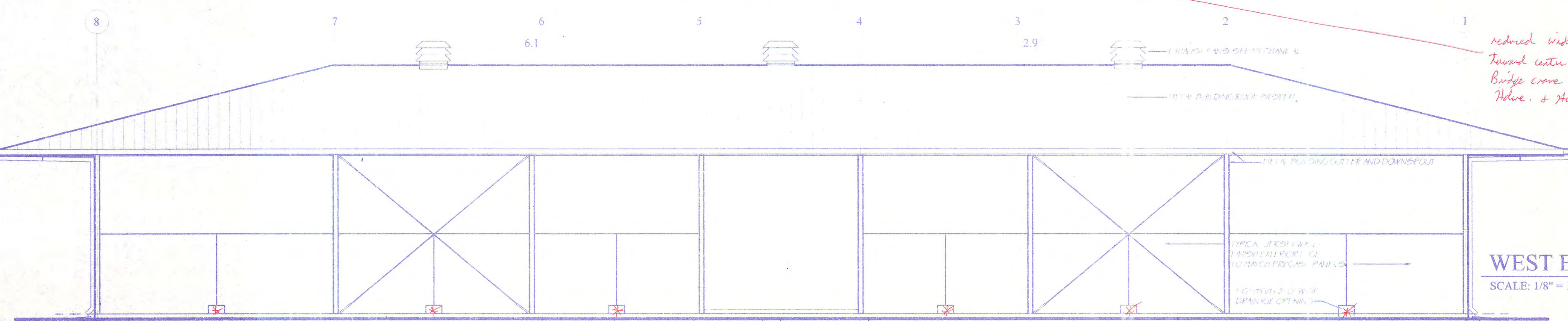
Deleted 20' of Jersey wall on N. end of Storage Bldg. To allow access into Bldg. with Fork + Trailer.



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



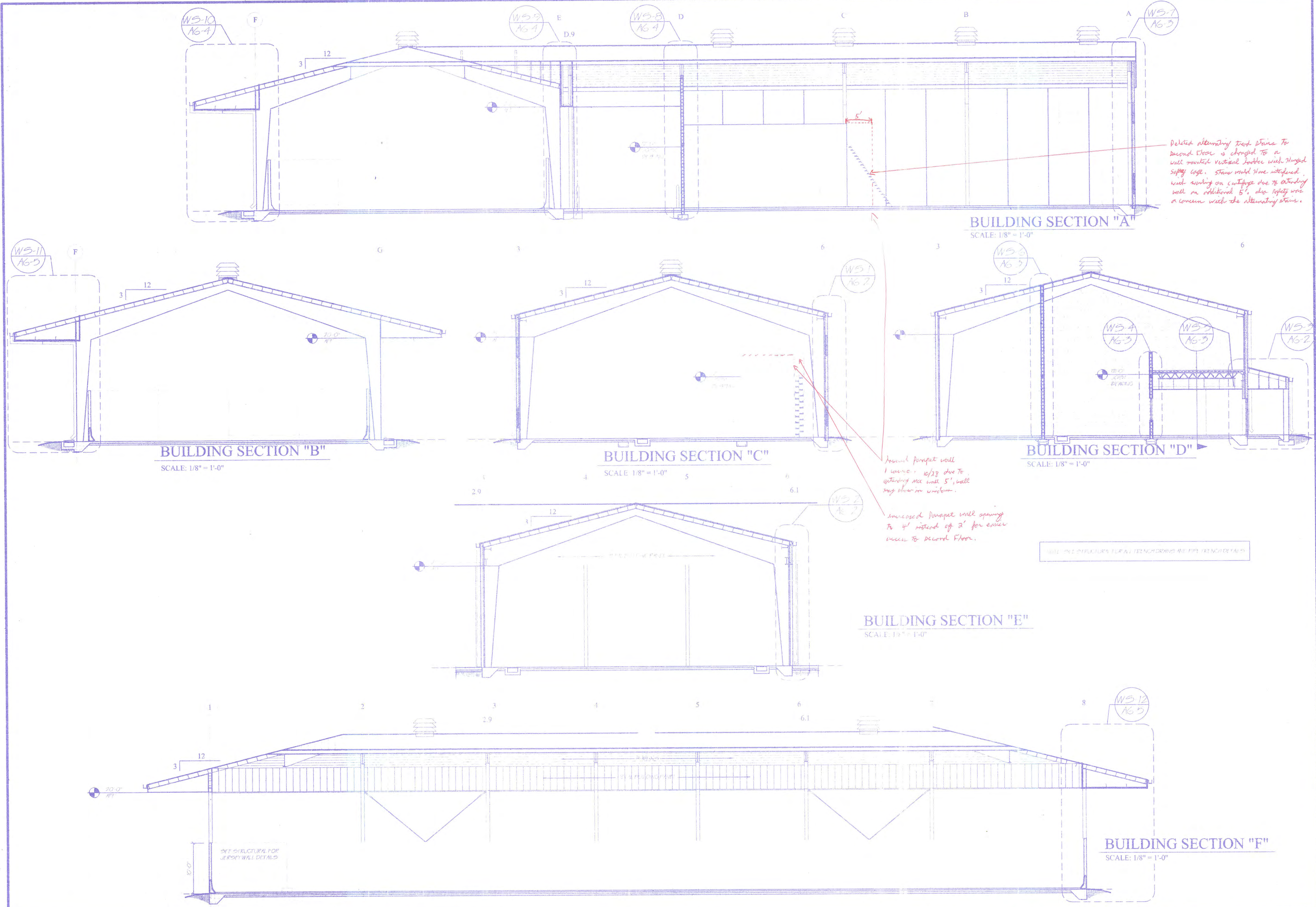
EAST ELEVATION
 SCALE: 1/8" = 1'-0"



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

** all drainage openings were deleted from Jersey walls + added to floor slab to drain under wall.*

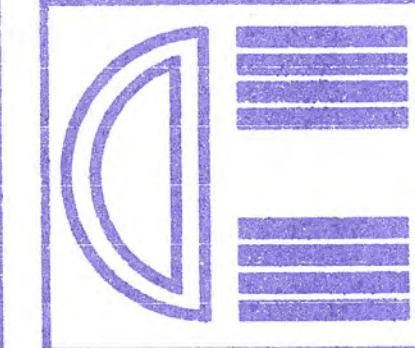
reduced width of door to 12' + moved toward center of Bldg. approx 1.6' due to bridge curve beams being in way of door. Holve. + Hoving 11/98



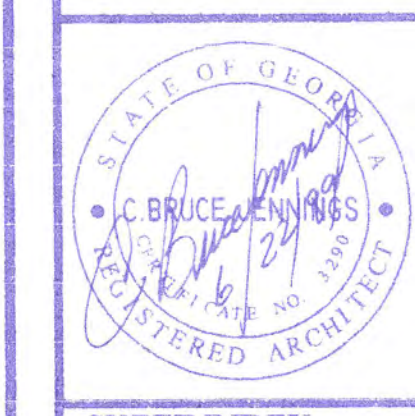
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PROJECT NO.: 9907
 DATE: 6/22/99
 FILE NAME: BENP:9907-SLUDGE

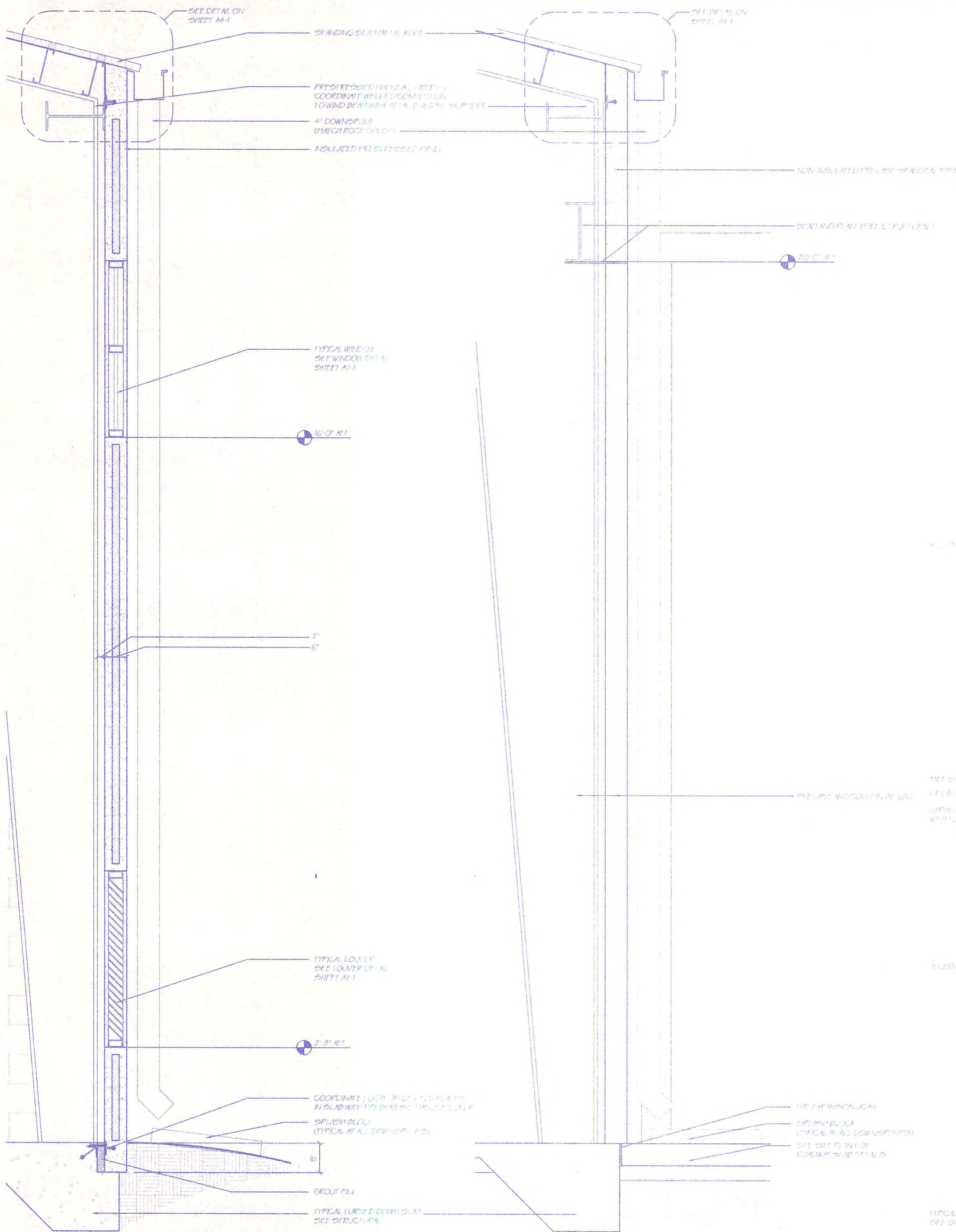
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 121 West Crawford Street
 Dalton, Georgia 30722
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 DALTON, GEORGIA

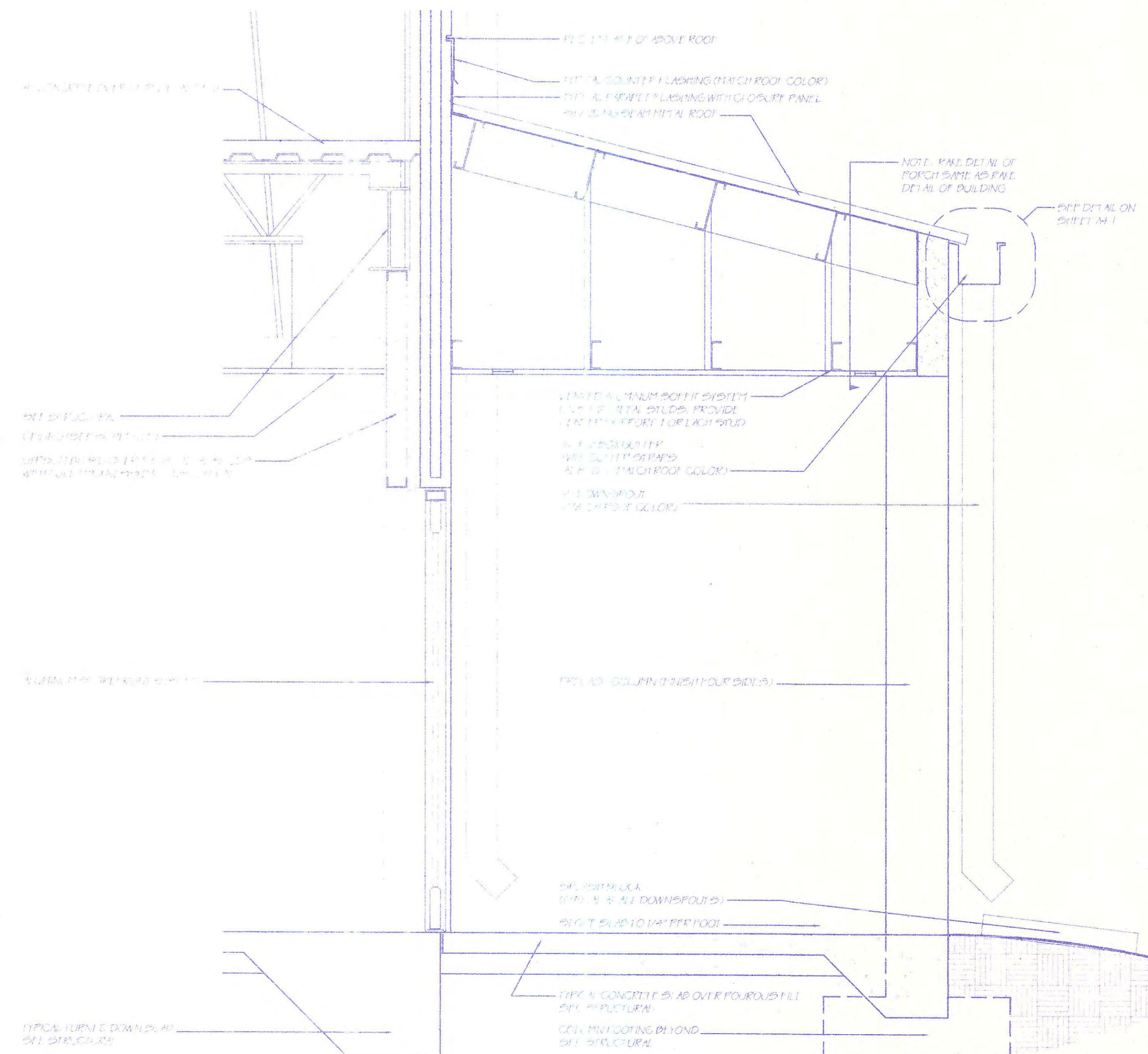


SHEET INDEX:
 DRAWING NO.: **A6-1**



WALL SECTION #1
SCALE: 3/4" = 1'-0"

WALL SECTION #2
SCALE: 3/4" = 1'-0"



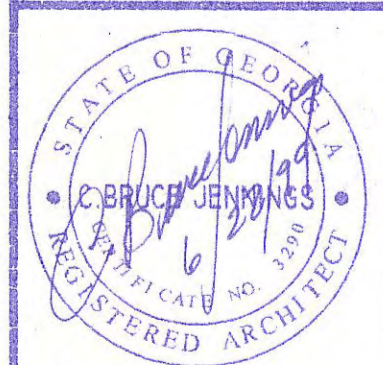
WALL SECTION #3
SCALE: 3/4" = 1'-0"

PROJECT NO.:
9907
DATE: 6/22/99
FILE NAME:
BENP:9907-SLUDGE

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SHEET INDEX:

DRAWING NO.:
A6-2