

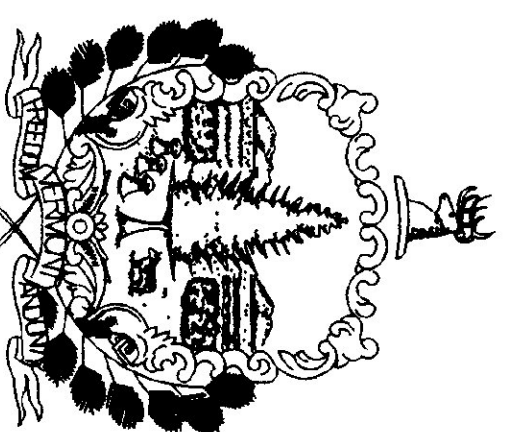
State of Vermont
 Department of Buildings & General Services
CHIMNEY CORNERS
 12 BAY MAINTENANCE GARAGE
 SALT/SAND & STORAGE SHEDS
 COLCHESTER, VERMONT

AGENCY OF ADMINISTRATION
 DEPARTMENT OF BUILDINGS & GENERAL SERVICES
 2 GOVERNOR AIKEN AVENUE
 MONTPELIER, VERMONT 05633-5801
 THOMAS W. TORTI, COMMISSIONER

INDEX OF SHEETS

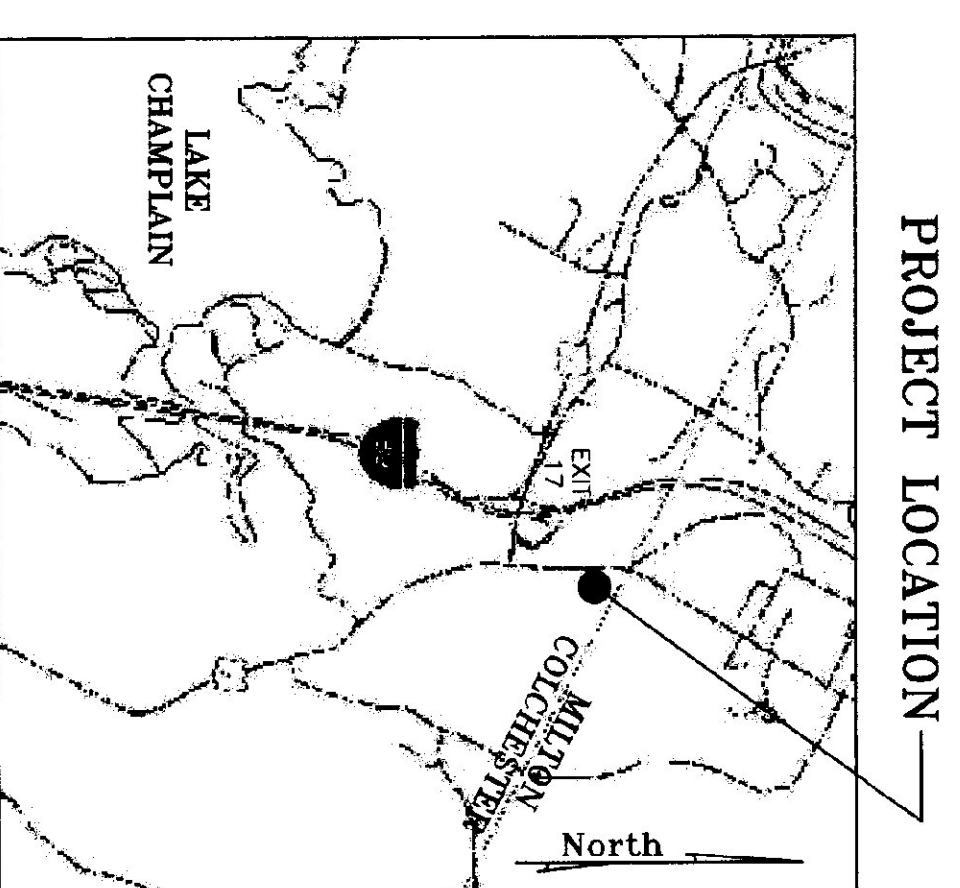
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S-1.2	ROOF PLAN
S-2.1	DETAILS
S-2.2	DETAILS
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E-3	ELECTRICAL LEGEND & DETAILS

Howard Dean, M.D.
 Governor

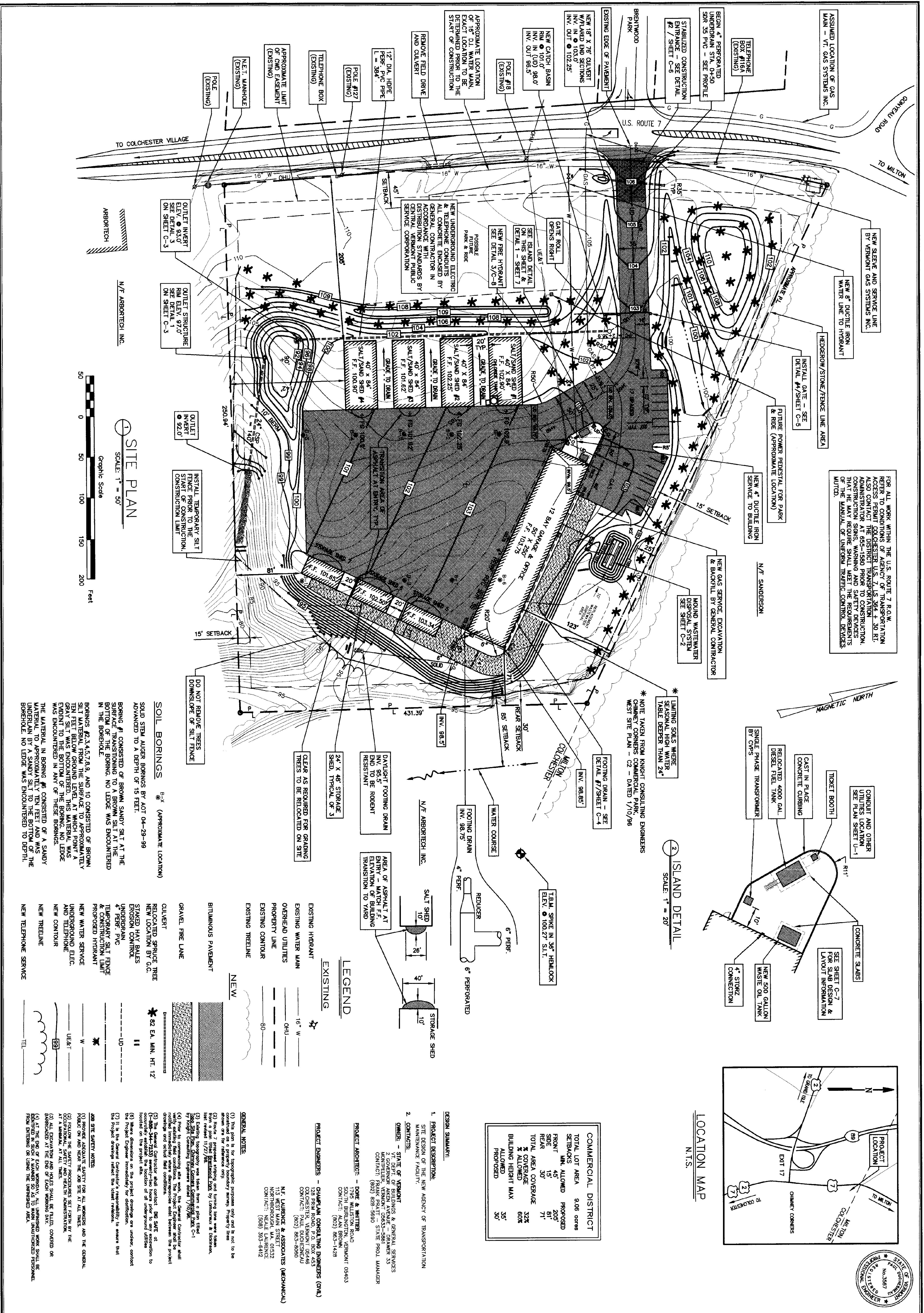


October 15, 1999

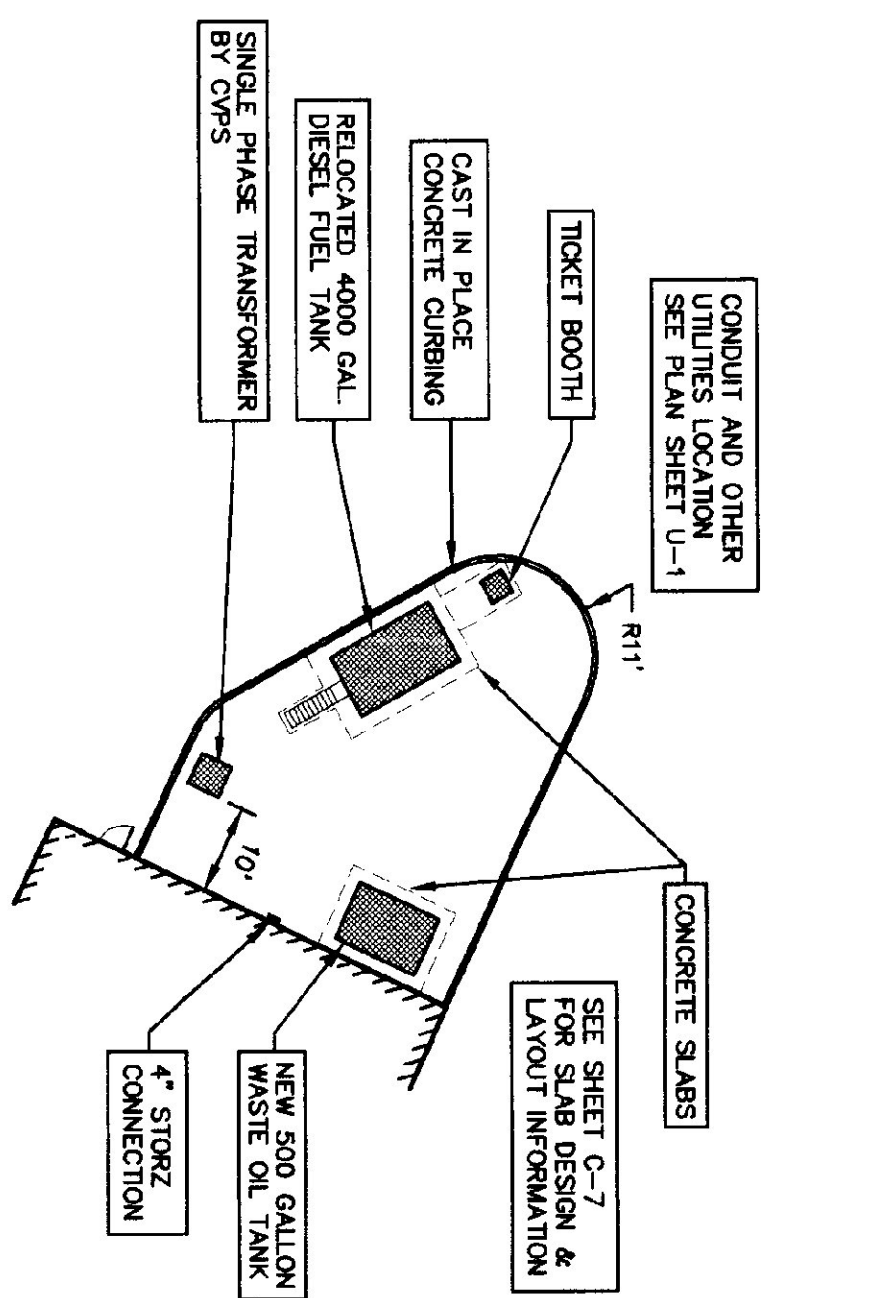
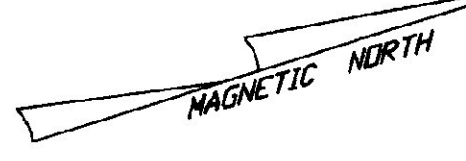
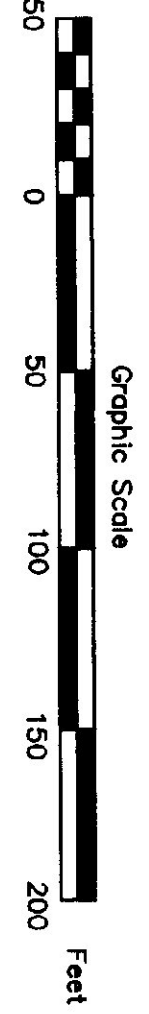
AGENCY OF TRANSPORTATION
 NATIONAL LIFE BUILDING
 DRAWING 33
 MONTPELIER, VERMONT 05633
 BRIAN SEARLES, SECRETARY



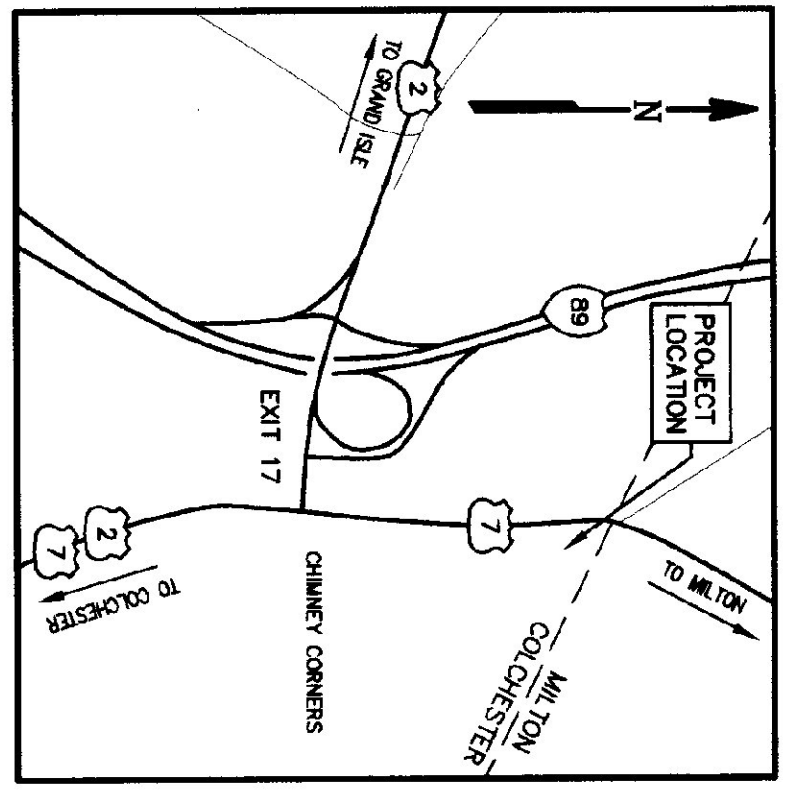
PROJECT LOCATION



SITE PLAN
SCALE: 1" = 50'



ISLAND DETAIL
SCALE: 1" = 20'



LOCATION MAP
N.T.S.

COMMERCIAL DISTRICT	PROPOSED
TOTAL LOT AREA	9.08 acres
SETBACKS	PROPOSED
FRONT MIN. ALLOWED	80'
REAR	15'
SIDE	30'
REAR	71'
TOTAL AREA COVERAGE	32%
% COVERAGE	60%
BUILDING HEIGHT MAX.	35'
ALLOWED	30'

SOIL BORINGS (APPROXIMATE LOCATION)
SOLID STEM AUGER BORINGS BY AOT 04-29-99
ADVANCED TO A DEPTH OF 15 FEET.

BORING #1 CONSISTED OF BROWN SANDY SILT AT THE SURFACE TRANSITIONING TO A BROWN SILTY CLAY AT THE BOTTOM OF BORING. NO LEDGE WAS ENCOUNTERED IN THE BORING.

BORINGS #2,3,4,5,7,8,9, AND 10 CONSISTED OF BROWN SILTY MATERIAL FROM THE SURFACE TO APPROXIMATELY TEN FEET BELOW GROUND LEVEL AT WHICH POINT A GRAY SILT WAS ENCOUNTERED. THIS MATERIAL WAS EVIDENT TO THE BOTTOM OF THESE BORINGS. LEDGE WAS ENCOUNTERED IN ANY OF THESE BORINGS.

THE MATERIAL IN BORING #6 CONSISTED OF A SANDY MATERIAL TO APPROXIMATELY TEN FEET AND WAS UNDERLAIN BY A SANDY SILT TO THE BOTTOM OF THE BORING. NO LEDGE WAS ENCOUNTERED TO DEPTH.

LEGEND

EXISTING

- 16" W
- O.H.U.
- PROPERTY LINE
- EXISTING CONTROL
- EXISTING TREE LINE

NEW

- CLUTVERT
- RELOCATED SPRUCE TREE
- NEW LOCATION BY C.C.
- STAGED HAY BALES
- EROSION CONTROL
- UNDERDRAIN
- 4" PERF. PVC
- TEMPORARY SILT FENCE & CONSTRUCTION LIMIT
- PROPOSED HYDRANT
- NEW WATER SERVICE
- UNDERGROUND ELEC.
- NEW CONTOUR
- NEW TREE LINE
- NEW TELEPHONE SERVICE

GENERAL NOTES:

- (1) This plan is for topographic purposes only and is not to be used for design purposes.
- (2) Route 7 proposed striping and turning lanes were taken from a plan titled "Route 7" by Lemieux & Dickerson, Inc. dated 1/22/98.
- (3) Site location was taken from a plan titled "Site Location" by Knight Consulting Engineers dated 7/10/98.
- (4) Prior to commencing site work, the General Contractor shall verify existing conditions. The Project Engineer and the General Contractor shall be responsible for verifying the project location and actual field conditions.
- (5) The General Contractor and contact: DGE SAFE at (1-888-344-7233) immediately prior to any excavation to be located on the project site.
- (6) Where dimensions on the project drawings are under, contact the Project Engineer immediately for distribution.
- (7) It is the General Contractor's responsibility to ensure that the proposed drawings reflect the latest revisions.

JOB SITE SAFETY NOTES:

- (1) ALL WORKERS AND THE GENERAL CONTRACTOR SHALL BE AT ALL TIMES BY THE SAFETY PROGRAMS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AT ALL TIMES.
- (2) ALL EXCAVATION AND HOLES SHALL BE FENCED, COVERED OR BARRICADED AT THE END OF EACH WORKING DAY. UNFINISHED WORK SHALL BE UNDERLAIN BY A SANDY SILT TO THE BOTTOM OF THE BORING. NO LEDGE WAS ENCOUNTERED TO DEPTH.

DESIGN SUMMARY:

1. PROJECT DESCRIPTION:
SITE DESIGN OF THE NEW AGENCY OF TRANSPORTATION MAINTENANCE FACILITY.

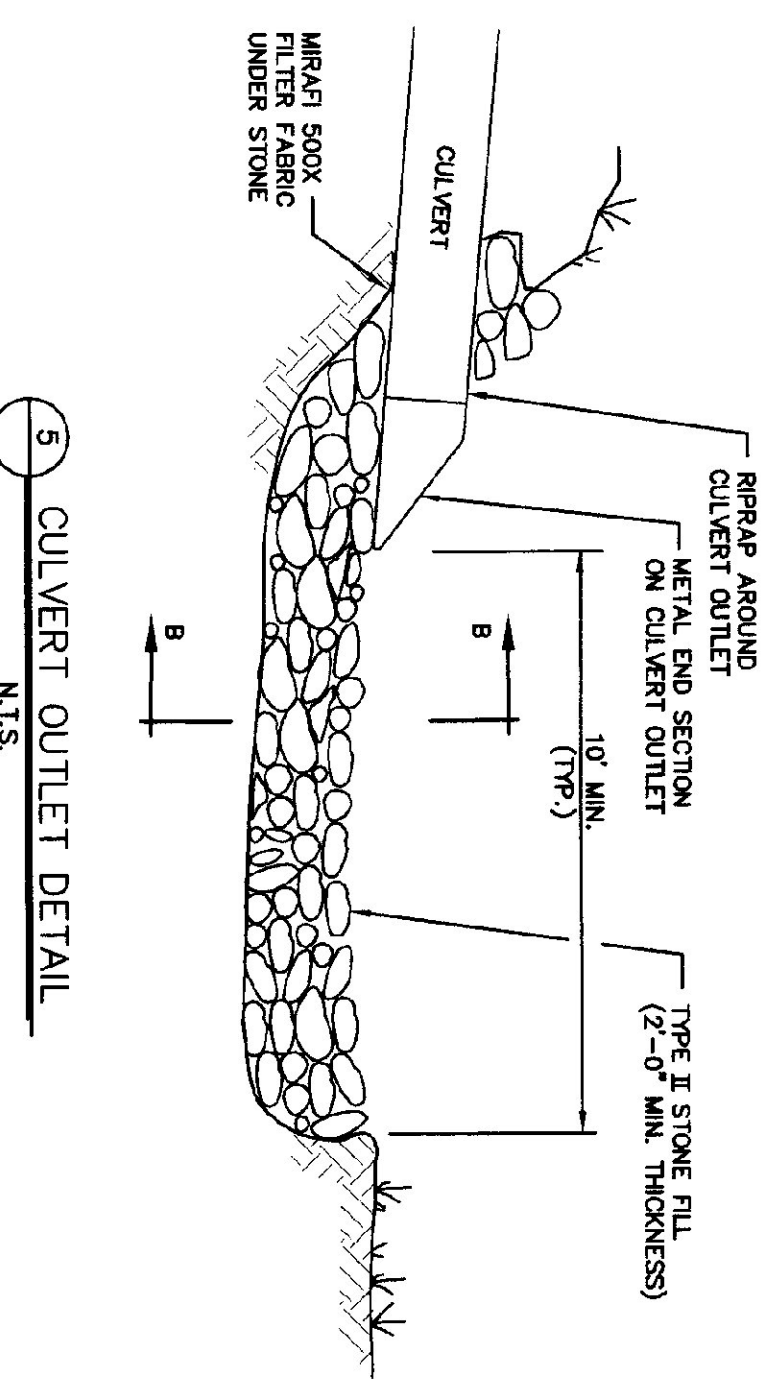
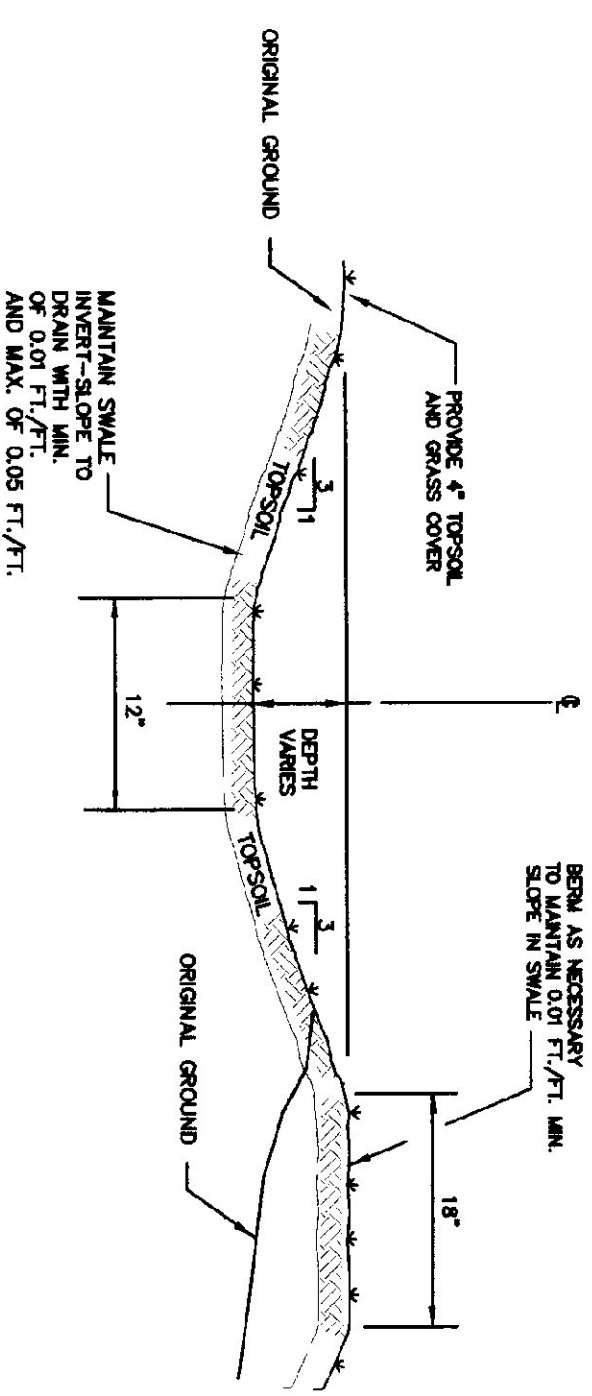
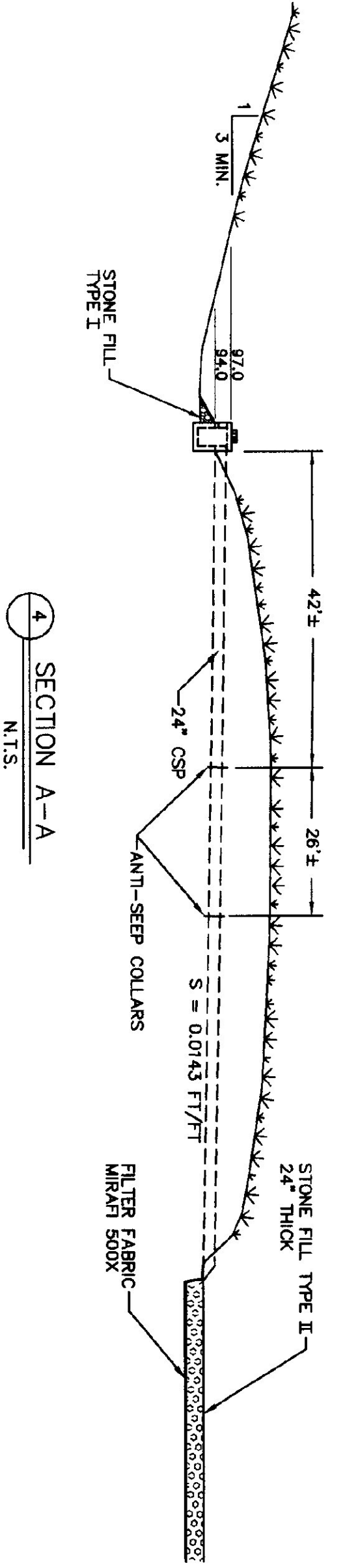
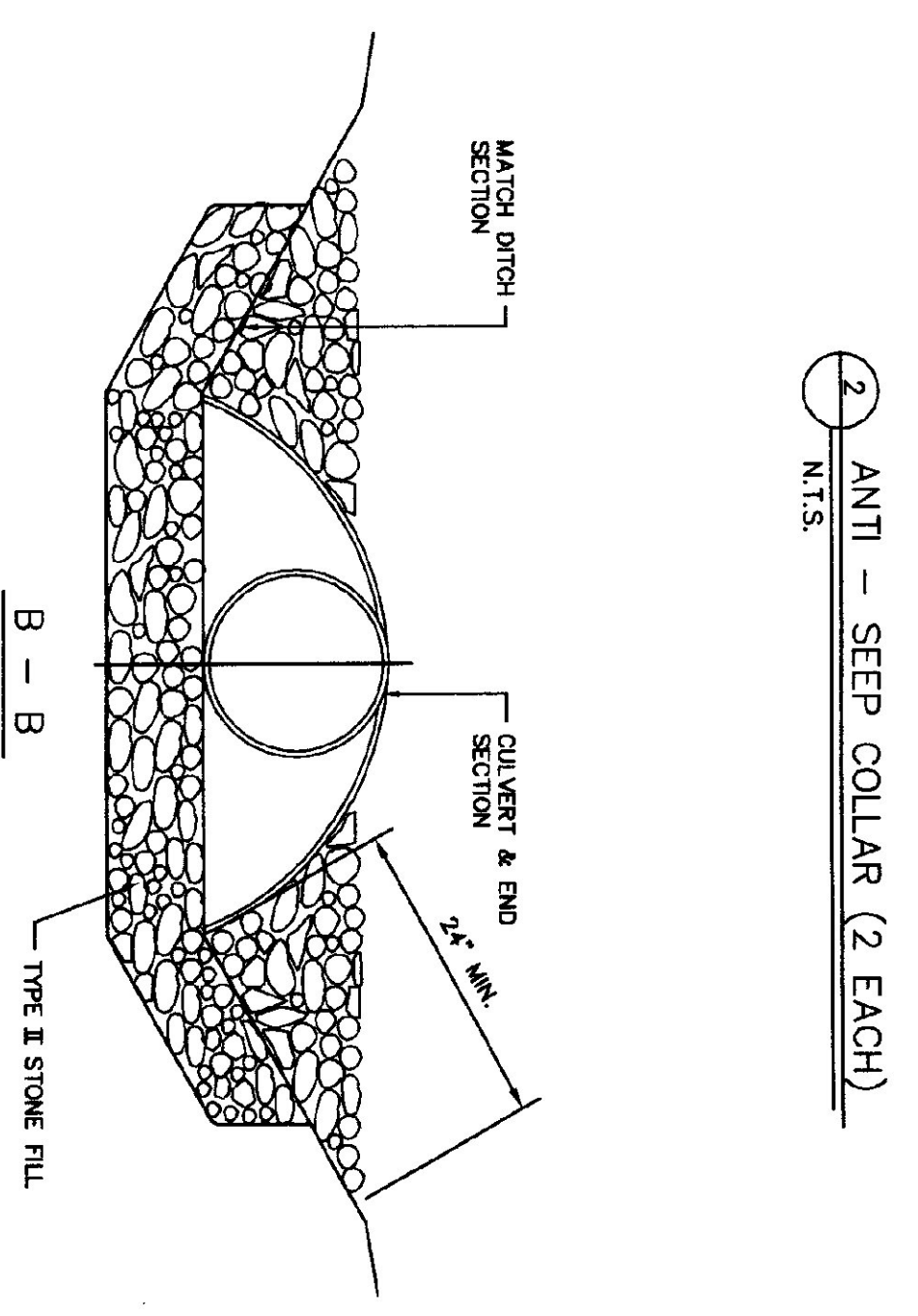
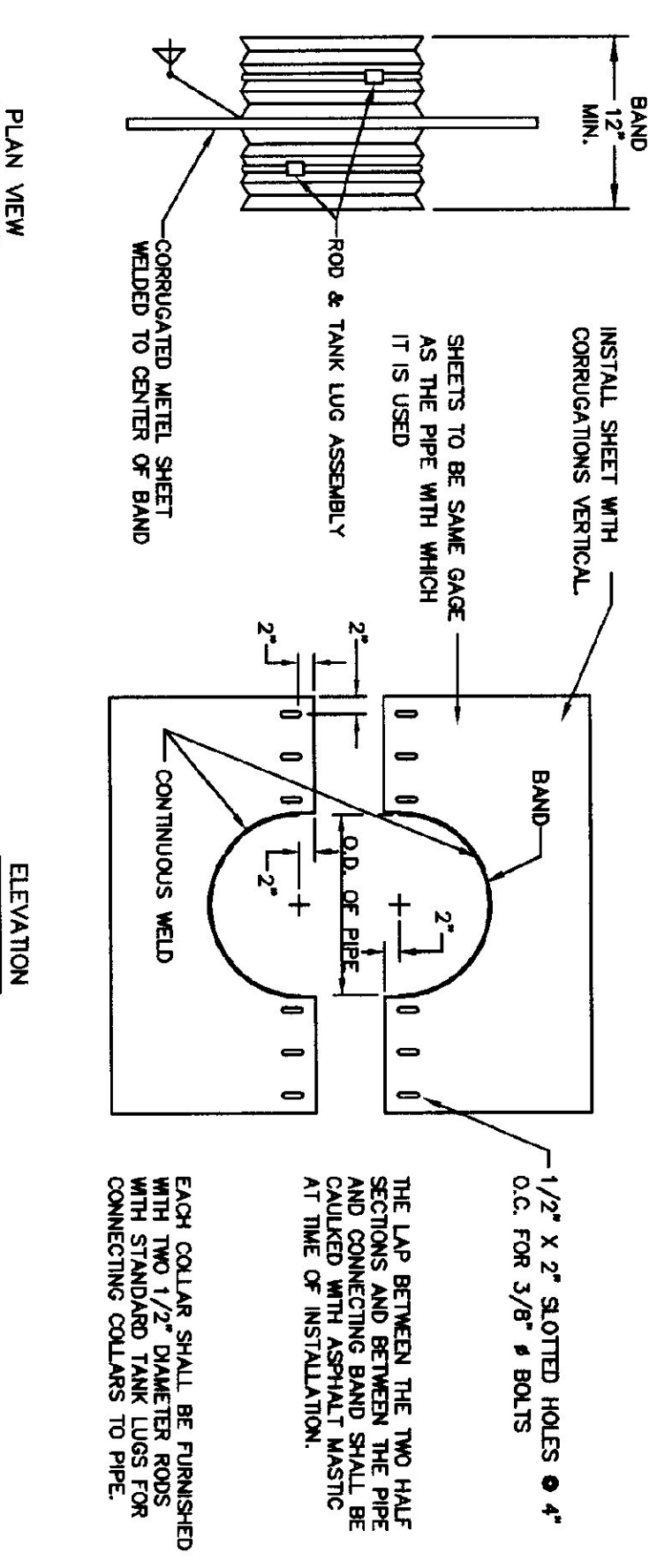
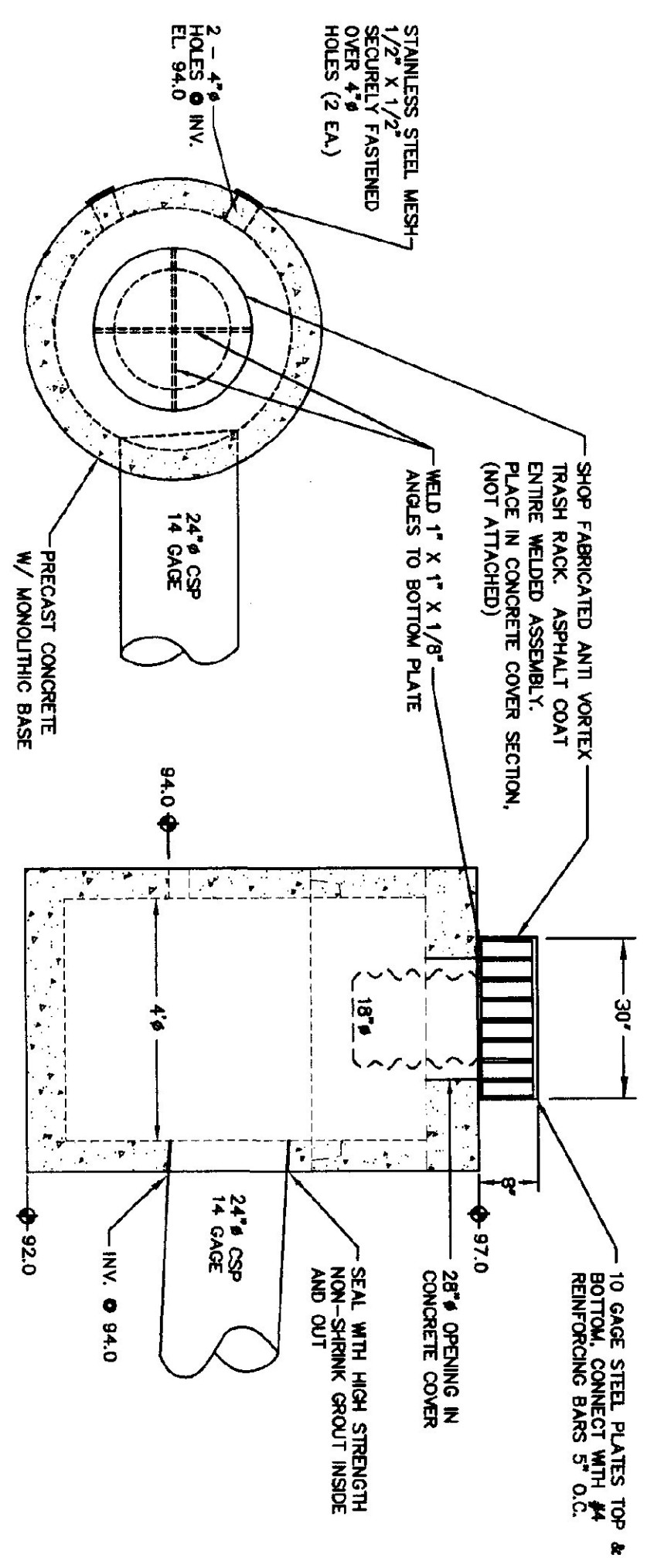
2. CONTRACTS:
OWNER - STATE OF VERMONT
V.T. DEPT. OF BUILDINGS & GENERAL SERVICES
MONTEPELLIER, VERMONT 05633-5861
CONTACT: FRANK PRATT - STATE PROJ. MANAGER (802) 828-5890

PROJECT ARCHITECT: DORE & WHITTIER INC.
175 WILLAMTON ROAD
SOUTH BURLINGTON, VERMONT 05403
CONTACT: ALAN BROWN (802) 863-1428

PROJECT ENGINEERS - CHIMNEY CORNERS CONSULTING ENGINEERS (C.C.E.)
CHIMNEY CORNERS, VERMONT 05448
CONTACT: PAUL DUCHESNEAU (802) 863-8080

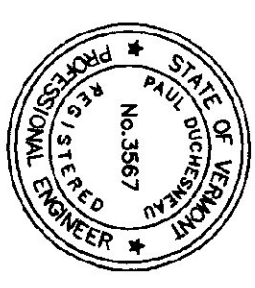
N.F. LAURENCE & ASSOCIATES (MECHANICAL)
113 WEST MAIN STREET
NORTHBOROUGH, V.A. 01532
CONTACT: KEVIN LAURENCE (508) 583-9412

<p>STATE OF VERMONT PAUL DUCHESNEAU REGISTERED PROFESSIONAL ENGINEER</p>	<p>DORE AND WHITTIER INC. ARCHITECTS • PROJECT MANAGERS 175 WILLAMTON ROAD • SOUTH BURLINGTON • VERMONT</p>	<p>AGENCY OF TRANSPORTATION COLCHESTER MAINTENANCE FACILITY CHIMNEY CORNERS VERMONT</p>	<p>STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTPELIER, VERMONT</p>
		<p>SCALE: AS NOTED</p> <p>DATE: OCT. 15, 1999</p> <p>DRAWN BY: CCE</p> <p>APPR. BY:</p>	<p>REVISIONS</p> <p>11/30/99 06/99 GENERAL REVISIONS</p> <p>1/4/00 GENERAL REVISIONS</p>



DETENTION POND OPERATION & MAINTENANCE

- GENERAL. AT THE BEGINNING OF APRIL, EACH YEAR, AND AFTER EACH SIGNIFICANT STORM, INSPECT THE DETENTION POND FOR DAMAGE. PAY PARTICULAR ATTENTION TO THE EMBANKMENTS, THE INTERIOR, AND THE BOTTOM OF THE POND FOR EVIDENCE OF EROSION, DEPOSITION OF SEDIMENT, BUILDUP OF TRASH OR DEBRIS, OR ANY OTHER SIGN OF DAMAGE. ADDRESS PROBLEMS IMMEDIATELY.
- AQUATIC PLANTS. IF EXCESSIVE ALGAE OR BOTTOM VEGETATION IS OBSERVED, REMOVE IT BY HAND OR WITH AN APPROPRIATE MECHANICAL EXCAVATING EQUIPMENT CAN BE USED.
- SEDIMENT. IF THE SEDIMENT BUILDUP REQUIRES AN AVERAGE ELEVATION DURING THE DRY SEASON, WHEN THE POND CAN BE DRAINED COMPLETELY, ALLOW SUFFICIENT TIME TO DRAIN THE BOTTOM SOILS SO THAT MECHANICAL EXCAVATING EQUIPMENT CAN BE USED.
- GENERAL HOUSEKEEPING. THE POND AREA SHOULD BE INSPECTED ON A REGULAR BASIS. REMOVE AND RESPOND TO FLOATAILES SUCH AS TREES, BRANCHES, LIMBER, LEAVES, STRAW, LITTER, ETC. PICK UP TRASH ALONG THE SHORE AND DISCHARGE SWALE. SCHEDULE REGULAR MOWING OF GRASS AROUND THE POND AND WITHIN THE DRY BANKS OF THE INTERIOR.



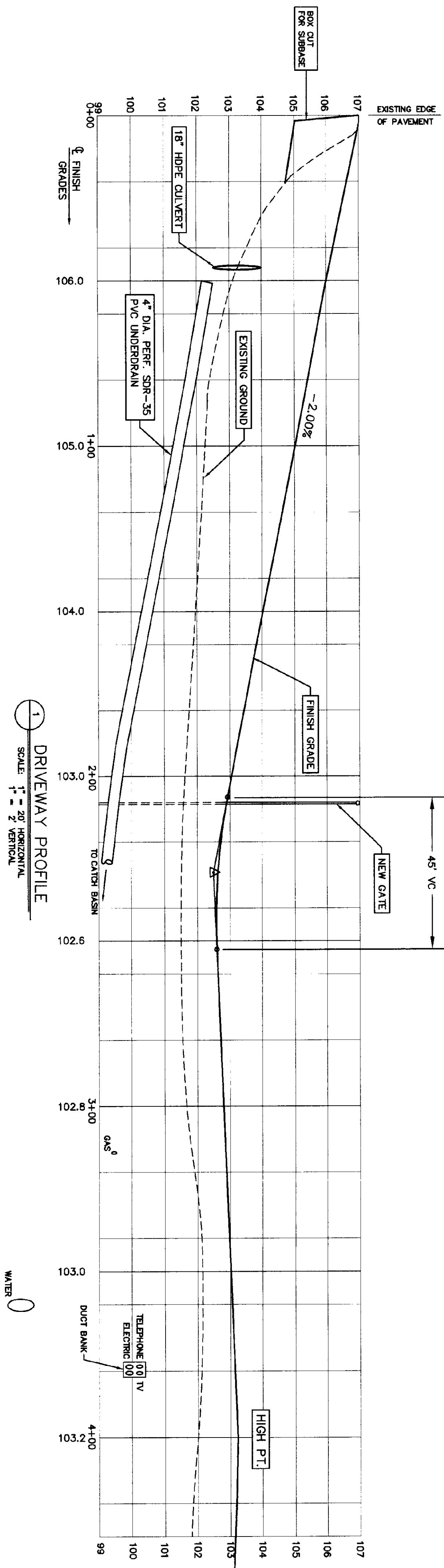
DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
1795 WILLINGTON ROAD • SOUTH BURLINGTON • VERMONT
CHAMPLAIN CONSULTING ENGINEERS
180 FIRM ROAD, P.O. BOX 403
COLCHESTER, VERMONT 05446
(802) 883-3300
(802) 883-3301
(802) 884-1276 FAX

STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

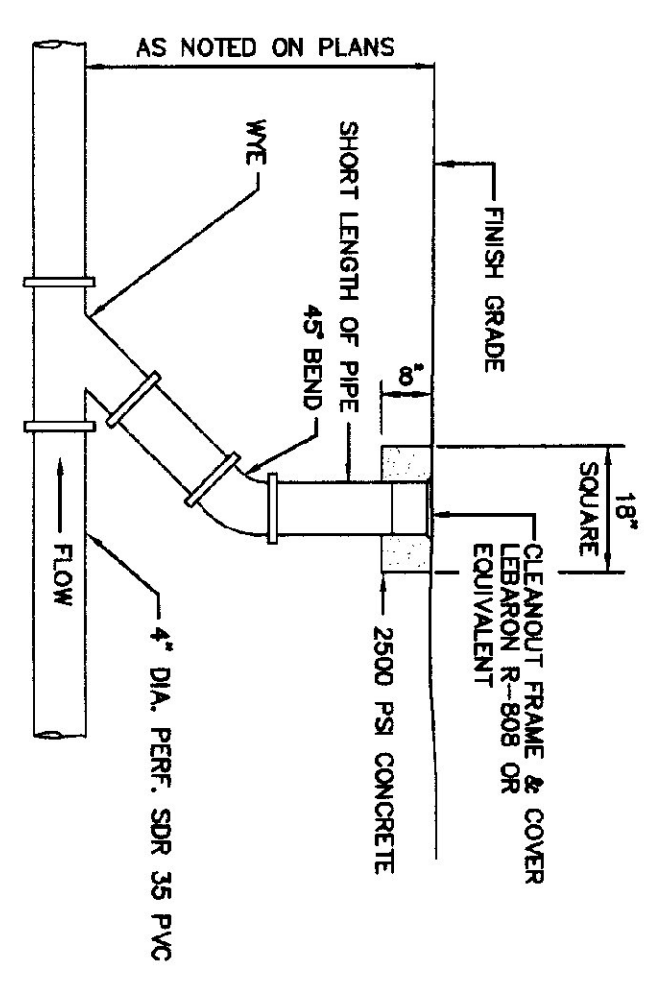
AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
VERMONT

REVISIONS	DATE	BY	APPR.
11/30/99 EROSION CONTROL REVISIONS			
1/8/00 GENERAL REVISIONS			

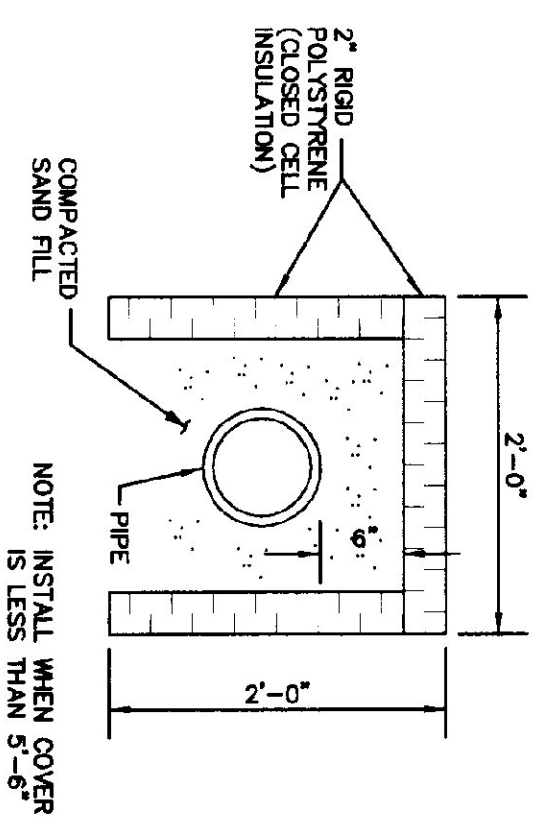
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DATE: OCT. 15, 1999
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APPR. BY:



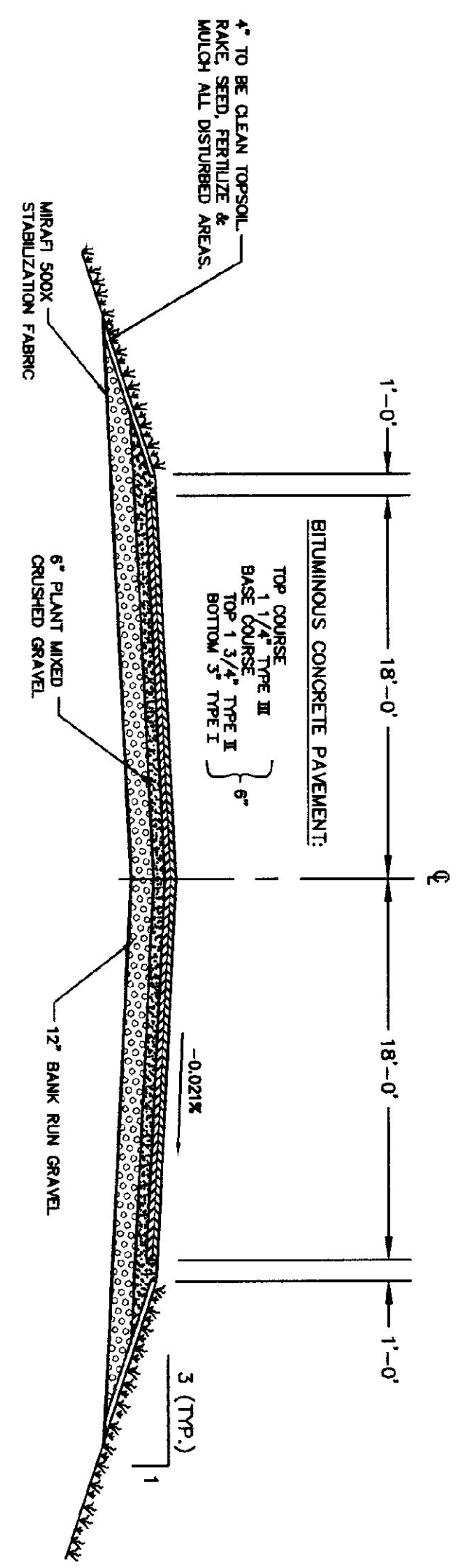
1 DRIVEWAY PROFILE
SCALE: 1" = 20' HORIZONTAL
1" = 2' VERTICAL



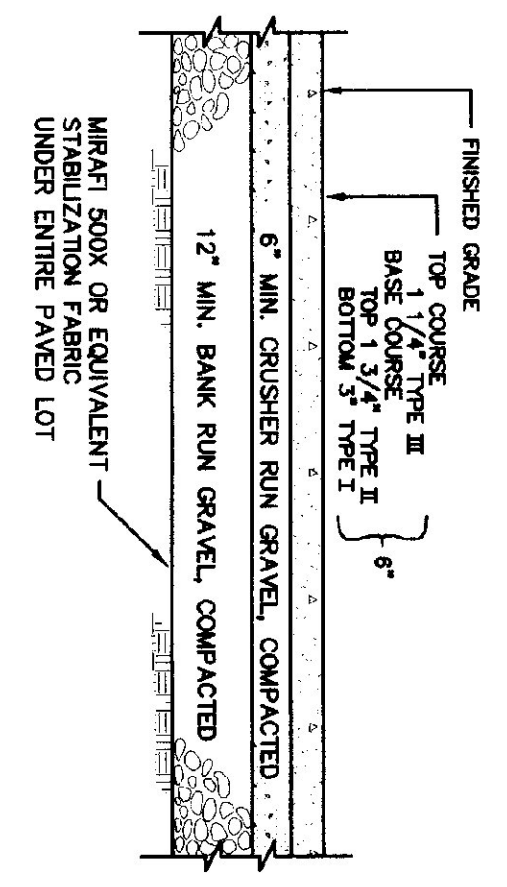
2 TYPICAL CLEANOUT DETAIL
N.T.S.



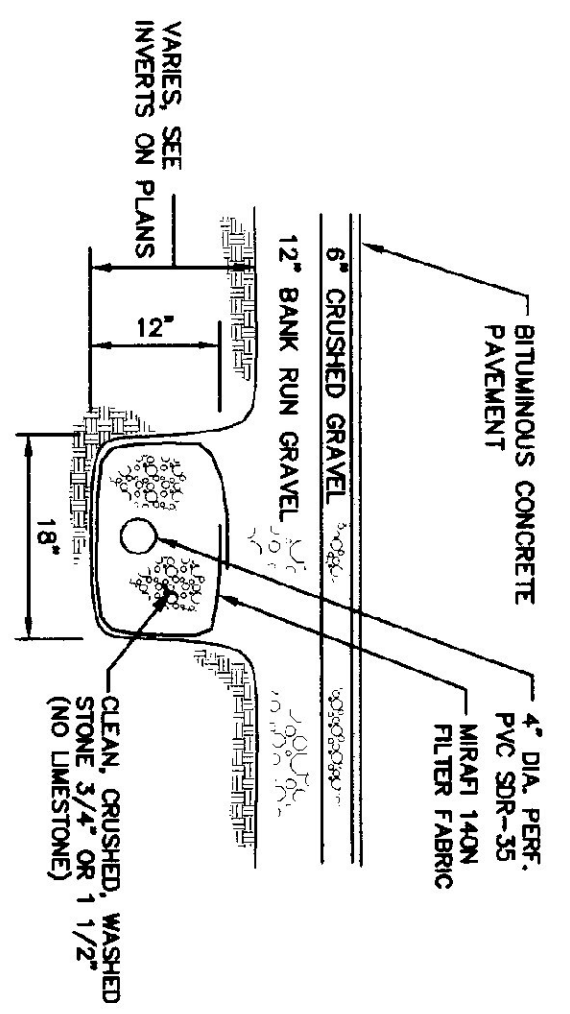
3 SEWER INSULATION DETAIL
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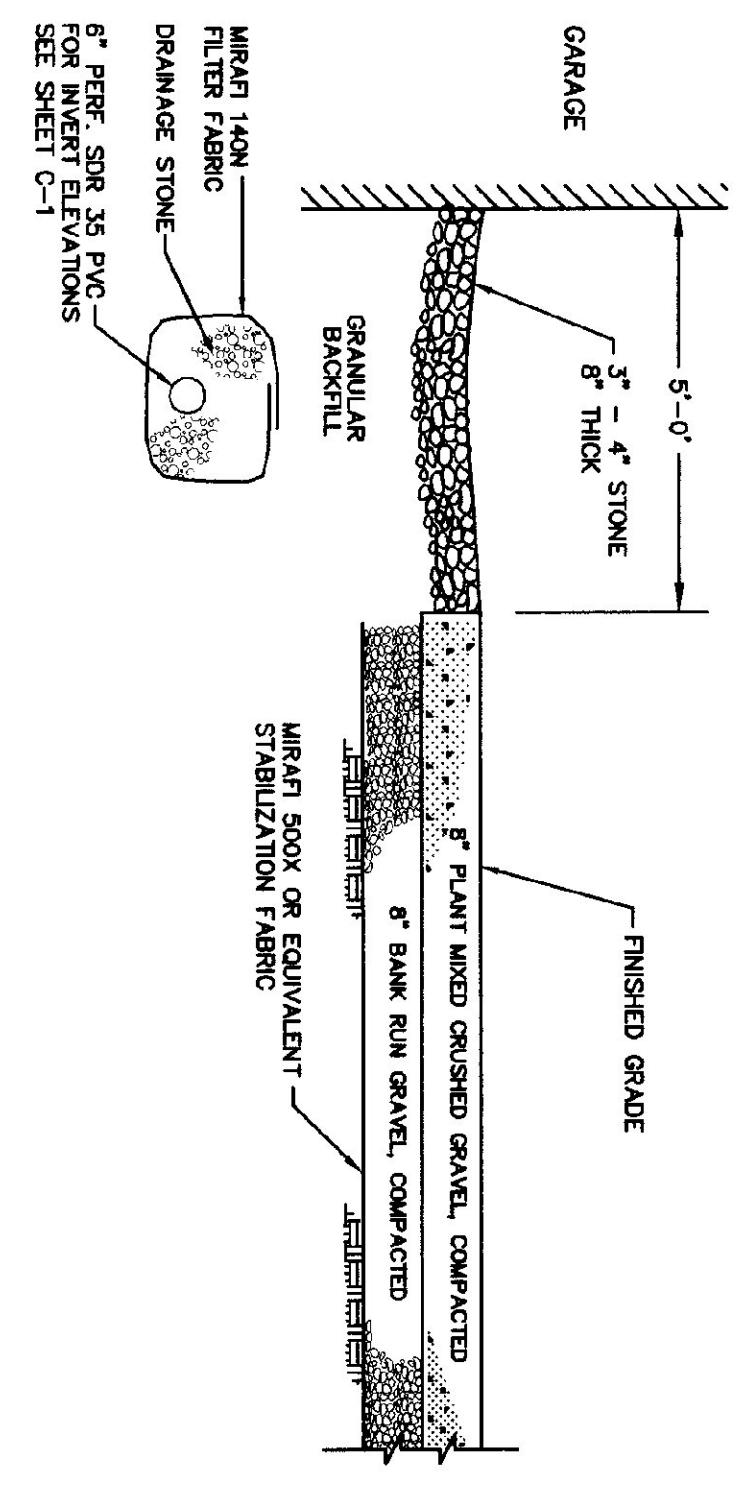
4 ENTRY DRIVE TYPICAL
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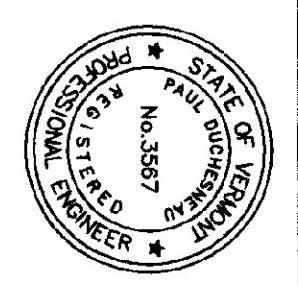
5 TYPICAL PAVEMENT SECTION
N.T.S.



6 TYPICAL UNDERDRAIN DETAIL
N.T.S.



7 FIRE LANE TYPICAL
N.T.S.



DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
6765 WELLSLTON ROAD • SOUTH BURLINGTON • VERMONT
CHAMPLAIN CONSULTING ENGINEERS
108 FRENCH ROAD, P.O. BOX 468
COLCHESTER, VERMONT 05448
(802) 885-5900
(802) 884-1770 FAX

STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

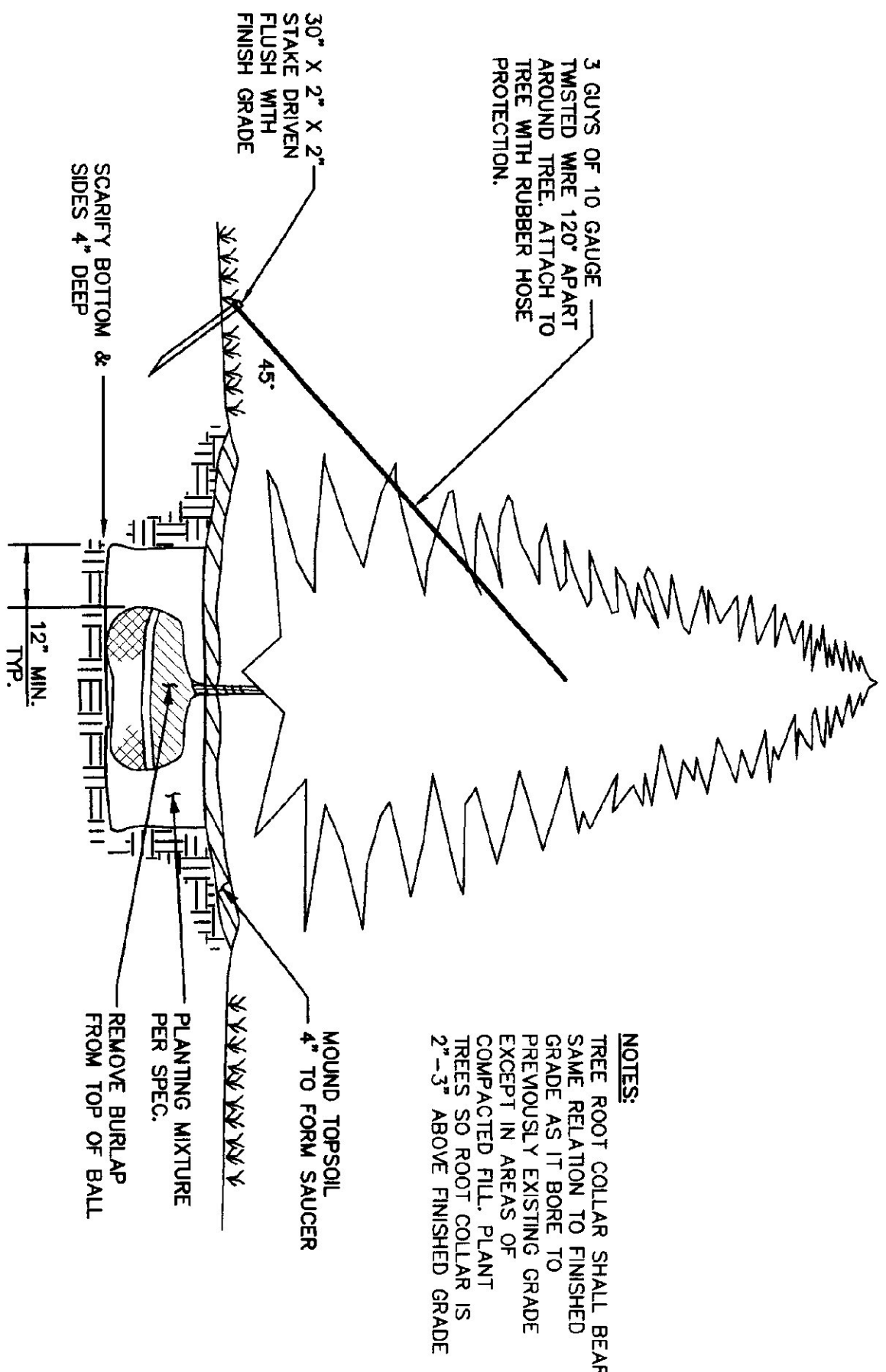


AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
COLCHESTER, VERMONT

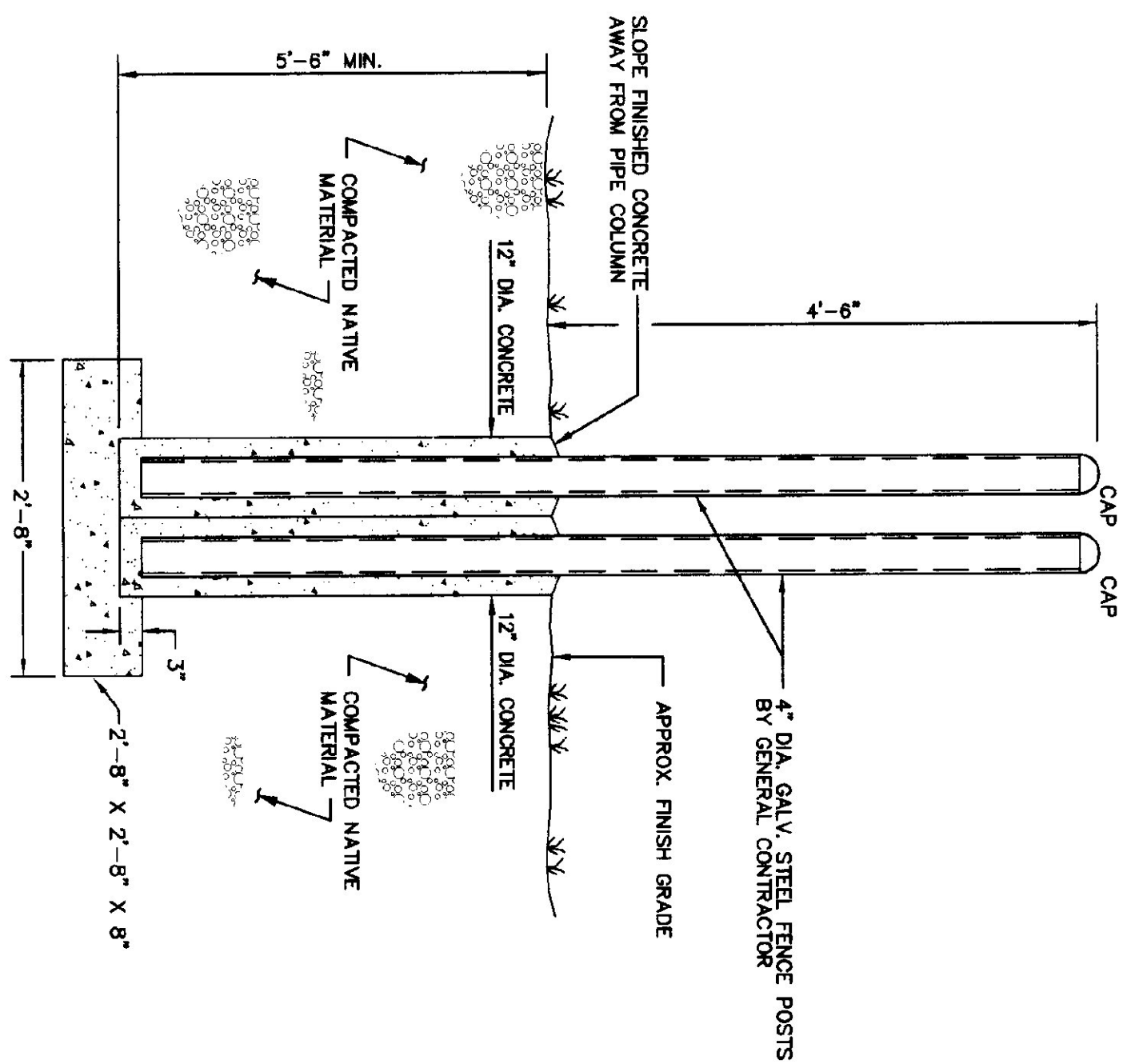
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2/4/00 GENERAL REVISIONS

SCALE: AS NOTED
DATE: OCT. 15, 1999
DRAWN BY: CCE
APPR. BY:

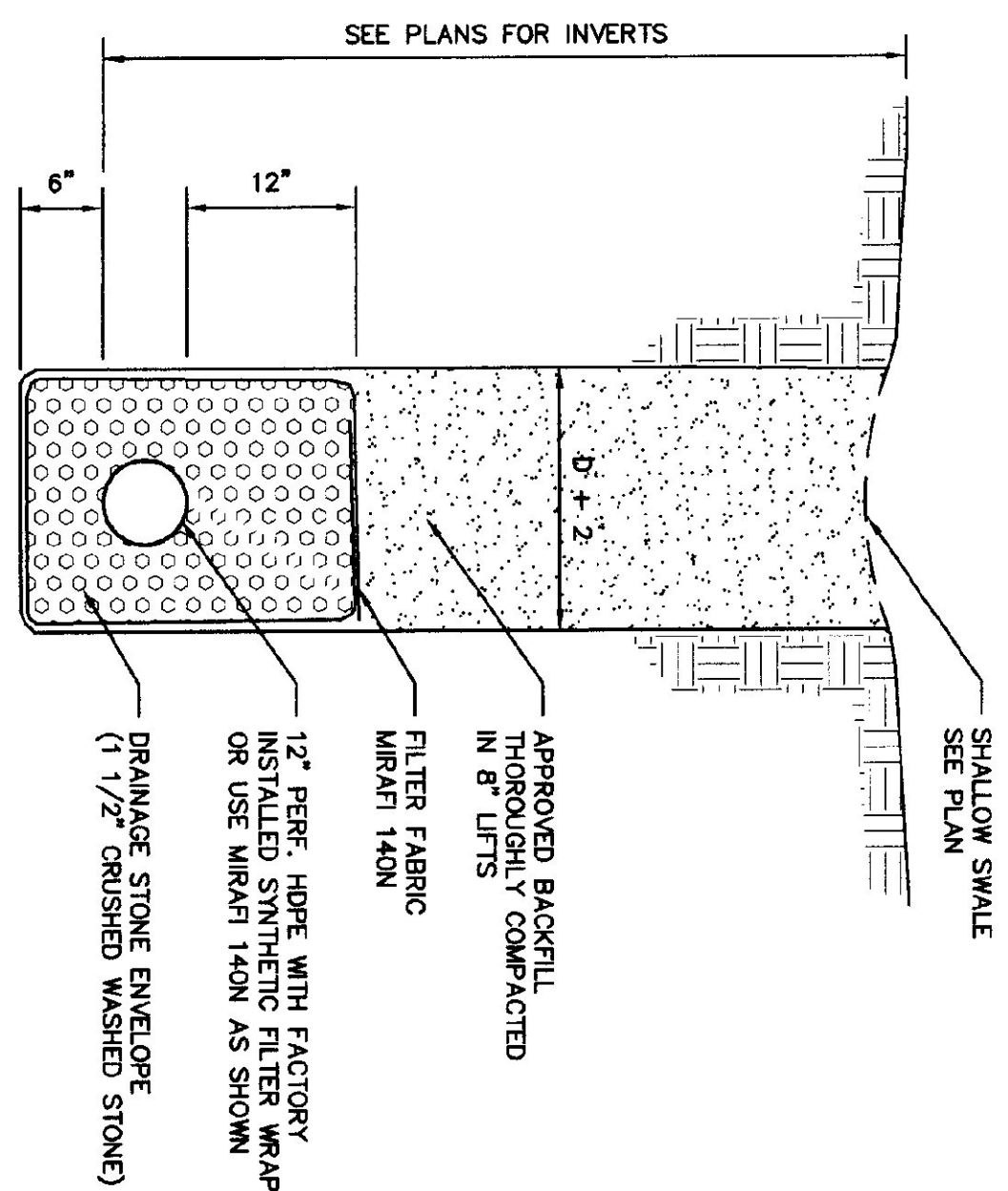
COLCHESTER
MAINTENANCE GARAGE
SITE DETAILS



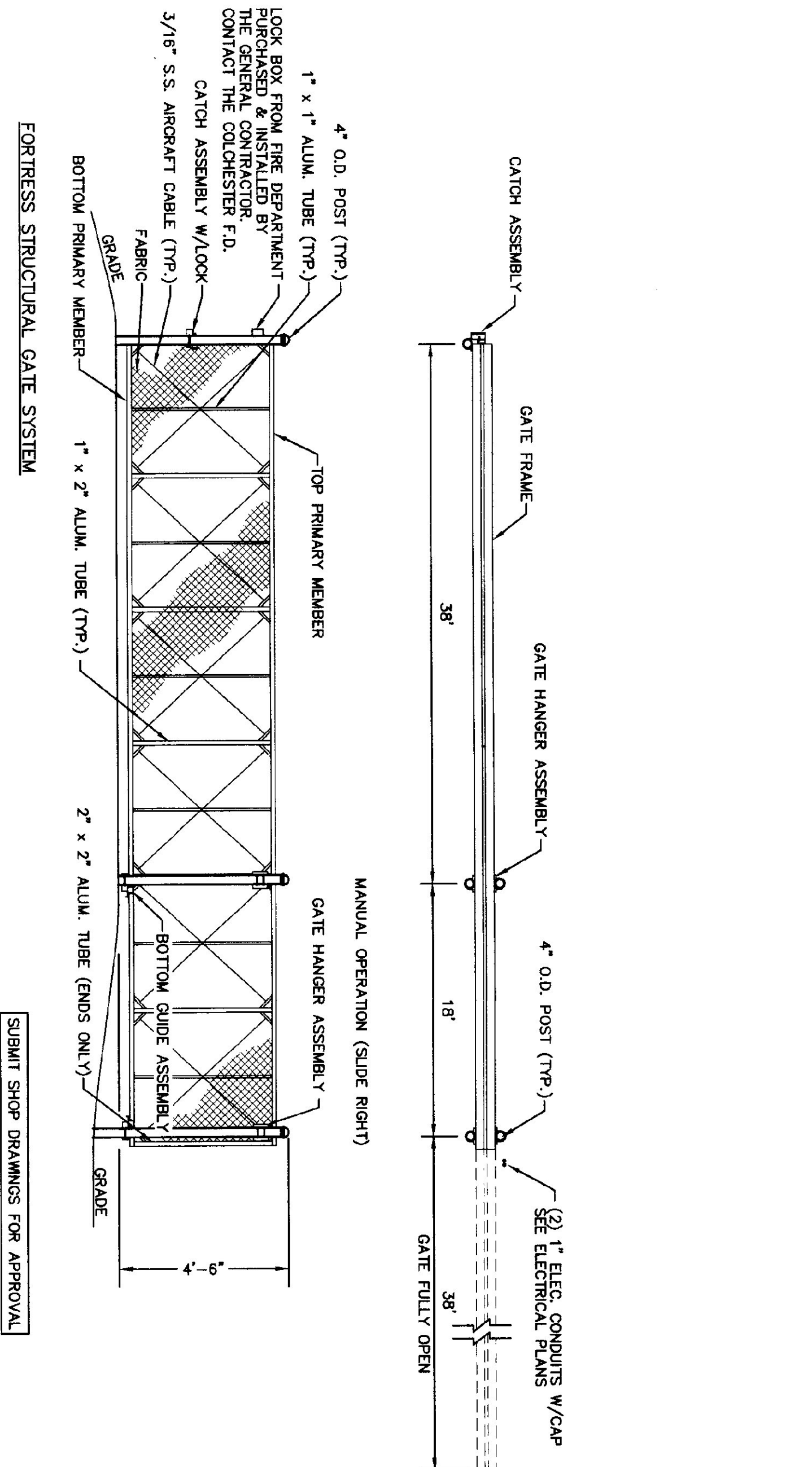
NOTES:
 TREE ROOT COLLAR SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO PREVIOUSLY EXISTING GRADE EXCEPT IN AREAS OF COMPACTED FILL. PLANT TRESS SO ROOT COLLAR IS 2'-3\"/>



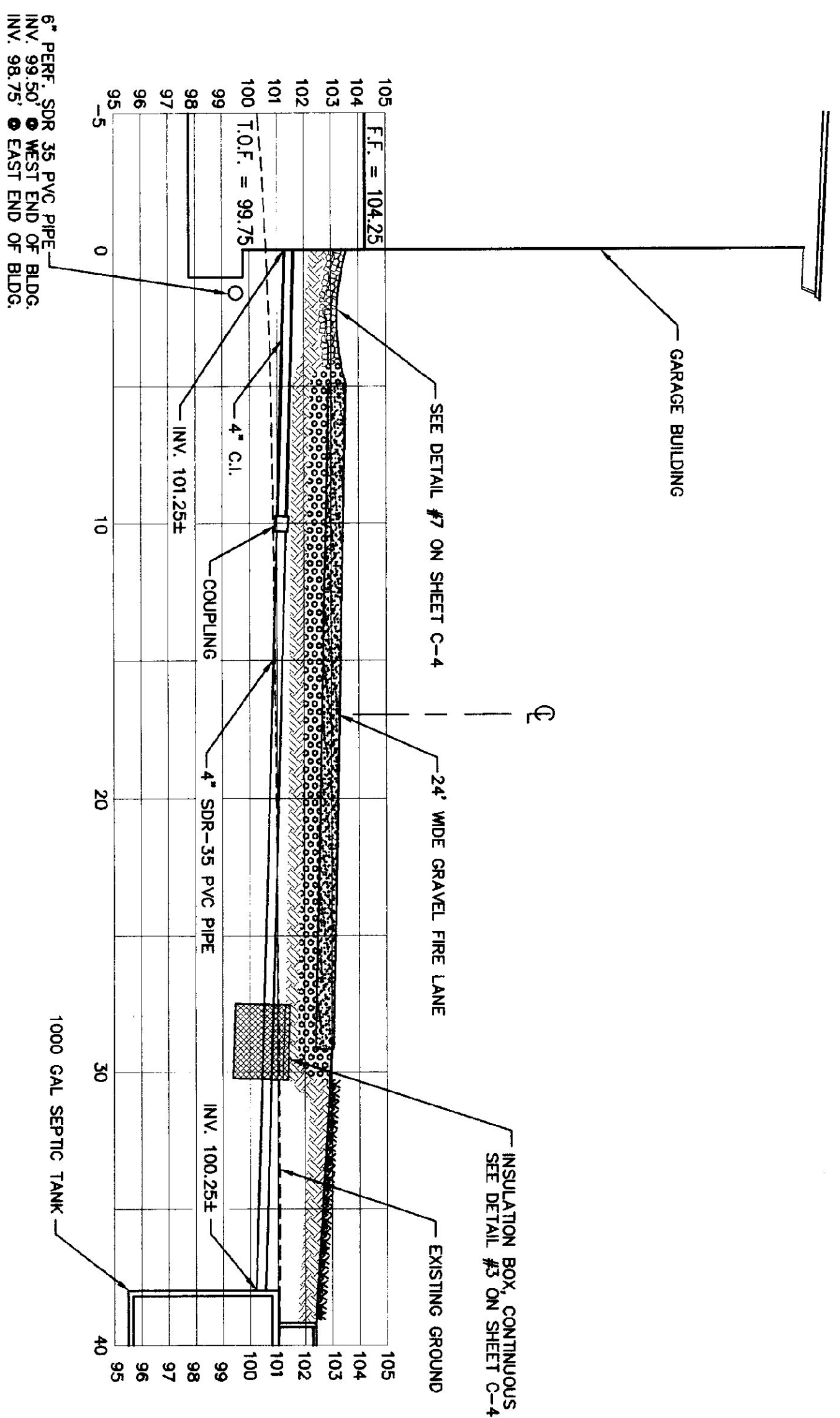
2 GATE POSTS DETAIL
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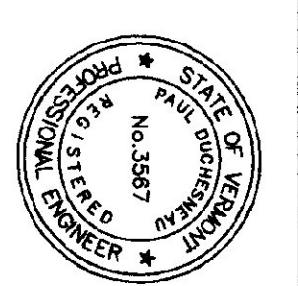
NOTES:
 1. Composition of backfill and bedding under roadway surface) of maximum dry density determined in the standard proctor test (ASTM D698).
 2. Bedding material shall not be placed on frozen subgrade.
 3. Approved backfill shall not contain any stones more than 1 1/2\"/>



4 GATE PLAN AND ELEVATION
N.T.S.



5 SANITARY SEWER PROFILE
SCALE: 1\"/>



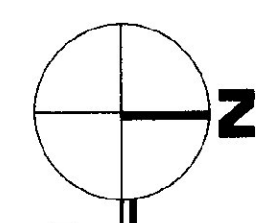
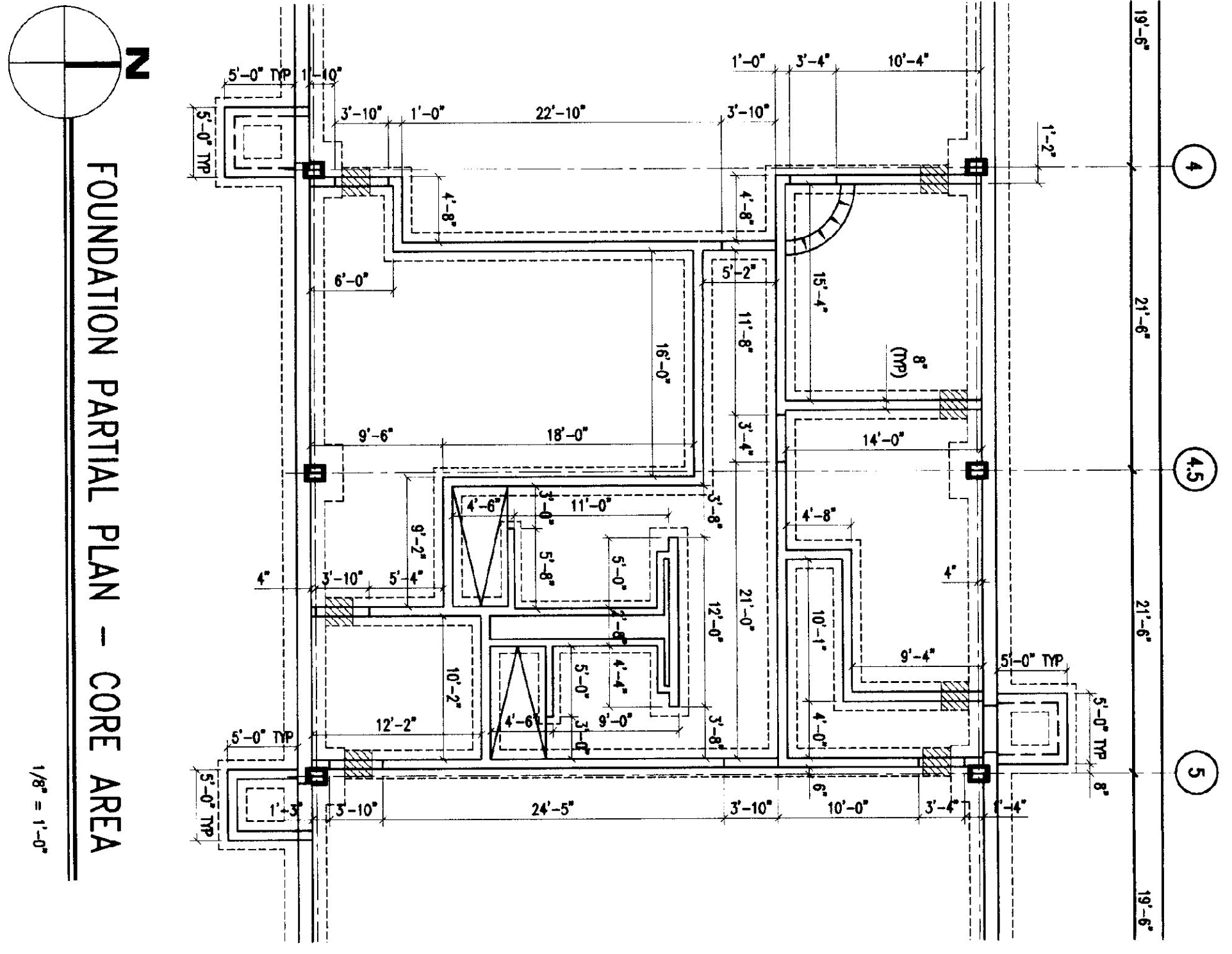
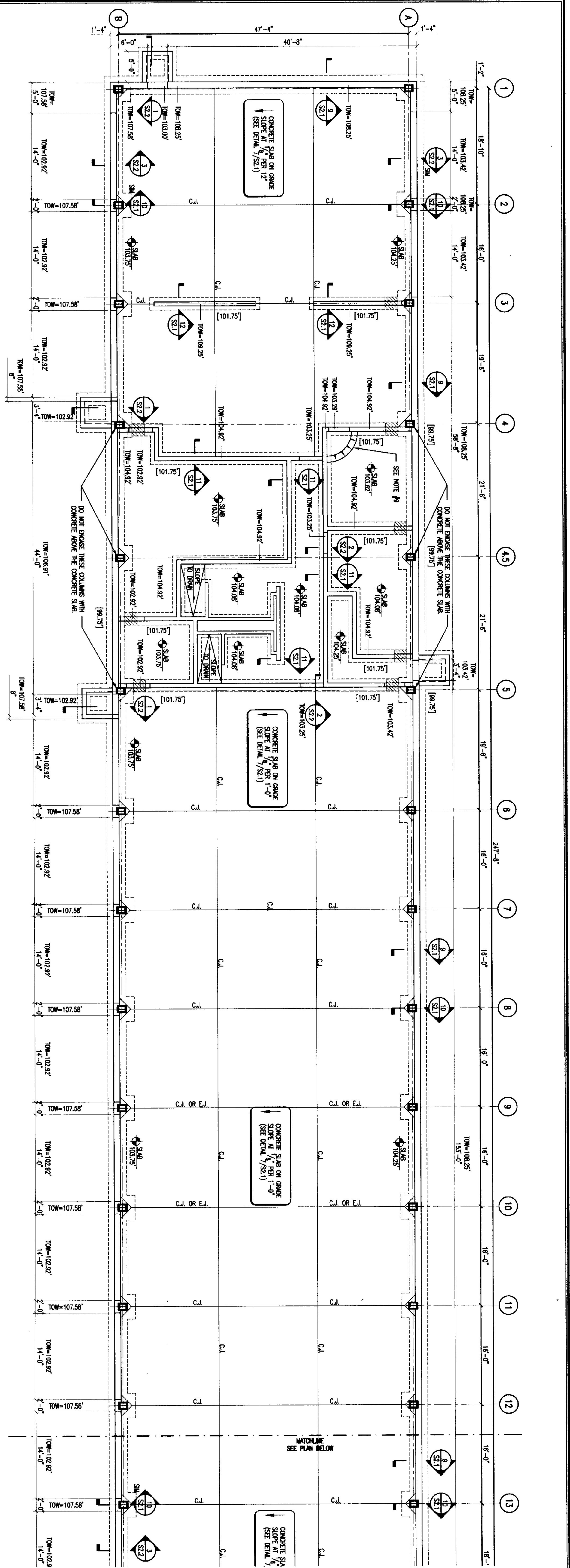
DORE AND WHITTIER INC.
 ARCHITECTS • PROJECT MANAGERS
 0765 WILBERTON ROAD • SOUTH BURLINGTON • VERMONT
CHAMPLAIN CONSULTING ENGINEERS
 120 FINE ROAD, 2ND FLOOR BOX 488
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 (802) 983-9000
 (802) 983-9001
 (802) 983-1870 FAX

STATE OF VERMONT
 DEPARTMENT OF BUILDINGS
 AND GENERAL SERVICES
 AGENCY OF ADMINISTRATION
 MONTPELIER, VERMONT

AGENCY OF TRANSPORTATION
 COLCHESTER MAINTENANCE FACILITY
 CHIMNEY CORNERS
 COLCHESTER, VERMONT

REVISIONS
11/30/99 EROSION CONTROL REVISIONS
1/8/00 GENERAL REVISIONS

SCALE: AS NOTED
 DATE: OCT. 15, 1999
 DRAWN BY: CCE
 APPR. BY:



FOUNDATION PLAN

1/8" = 1'-0"

- NOTES:
- 1) TOP OF FOOTING AT EXTERIOR WALL [99.75]
 - 2) TOP OF FOOTING AT INTERIOR WALL [101.75]
 - 3) TOP OF PILES ON COLUMN LINE 1/4" TO BE AT ELEVATION 102.92
 - 4) ALL COLUMNS TO BE W/240.
 - 5) ON GRADE CONCRETE SLABS IN PARKING, LOADING AND RECEIVING BAYS TO SLOPE DOWN AT 1/8" PER 1'-0" FROM NORTH TO SOUTH.
 - 6) ON GRADE CONCRETE SLABS IN PARKING, LOADING AND RECEIVING BAYS TO HAVE IN SLOPE INDICATING SYSTEM. SEE MECHANICAL DRAWINGS.
 - 7) C.I. - CONTROL JOINT. SEE DETAIL 6/S-21
 - 8) SEE ARCHITECTURAL PLANS FOR MISCELLANEOUS HOUSEKEEPING BAYS.
 - 9) SLOPE CONCRETE PAVEMENT INTO OIL STORAGE ROOM 6' DOWN.
 - 10) INSTALL EXPANSION JOINT ON COLUMN LINE 9 OR 10, WHICHEVER DOES NOT INTERFERE WITH THE RAINFALL HEAT PIPING. REFER TO DETAIL 6/S-21.

DESIGN LOADS

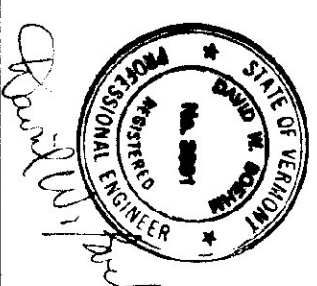
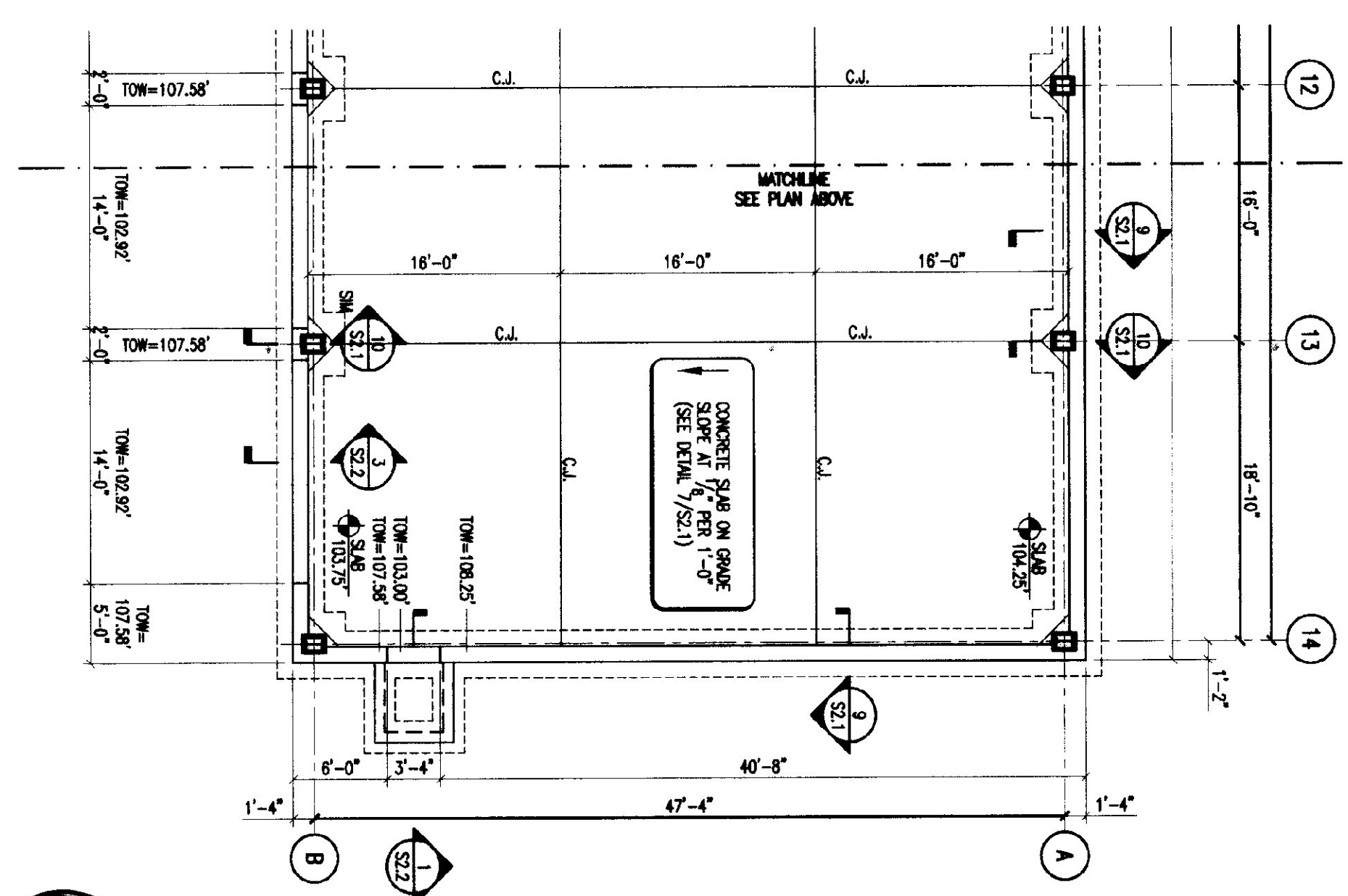
- DEAD LOADS: 20 psf
 LIVE LOADS: 40 psf
 ROOF SNOW LOAD: 125 psf
 MEZZANINE LIVE LOAD: 125 psf

BASIS OF DESIGN

- SNOW LOADS:
 DESIGN SNOW LOAD: 40 psf
 EXPOSURE FACTOR: 0.7
 WIND SPEED: 70 mph
 WIND LOAD:
 WIND SPEED: 70 mph
 EXPOSURE CATEGORY: 15
 IMPORTANCE FACTOR: 1.0
 PRODUCT OF FACTORS: 0.14
 SEISMIC LOADS:
 ZONE 2 (2)
 HORIZONTAL FORCE FACTOR: 1/8
 IMPORTANCE FACTOR: 1.0
 PRODUCT OF FACTORS: 0.14
 SOIL BEARING CAPACITY: 4000 psf



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



S-1.0
10 OF 36

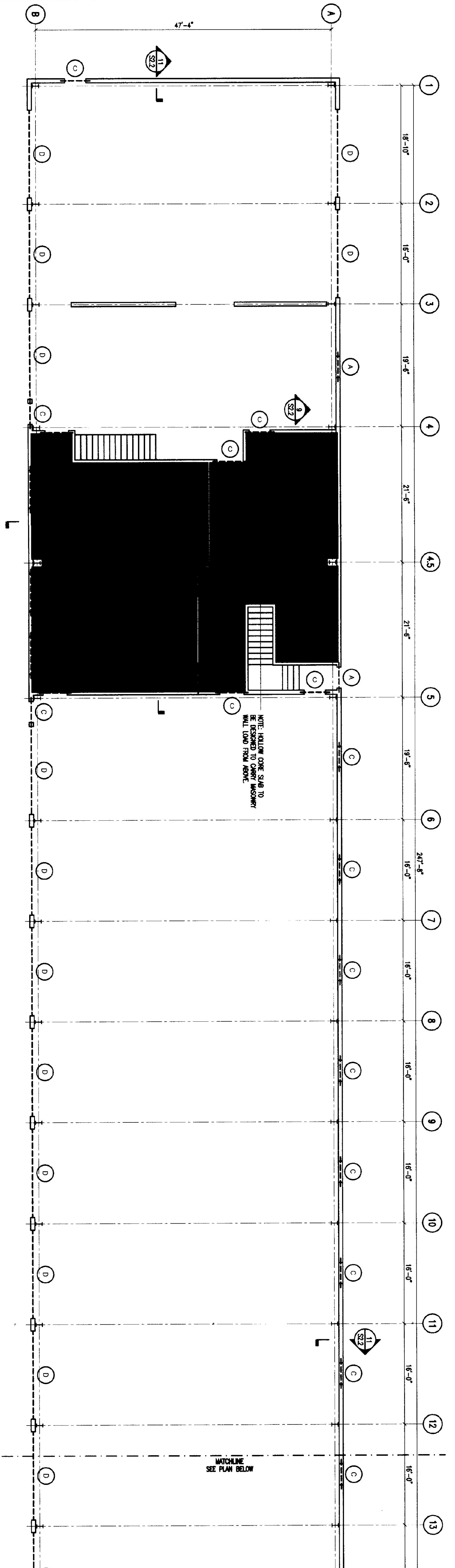
MAINTENANCE GARAGE FOUNDATION PLAN
 SCALE: AS NOTED
 DATE: OCT 15, 1999
 DRAWN BY: KW/JMM
 APPR. BY: DWB

REVISIONS	Final Rev.
00	

AGENCY OF TRANSPORTATION
 COLCHESTER MAINTENANCE FACILITY
 CHIMNEY CORNERS
 COLCHESTER, VERMONT

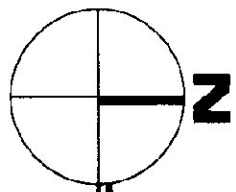
STATE OF VERMONT
 DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
 AGENCY OF ADMINISTRATION
 MONTPELIER, VERMONT

DORE AND WHITTIER INC.
 ARCHITECTS • PROJECT MANAGERS
 7 KILLBURN STREET
 BURLINGTON, VT 05401
 TEL: 802.865.8800
 FAX: 802.865.8800
 EngineeringVentures.com



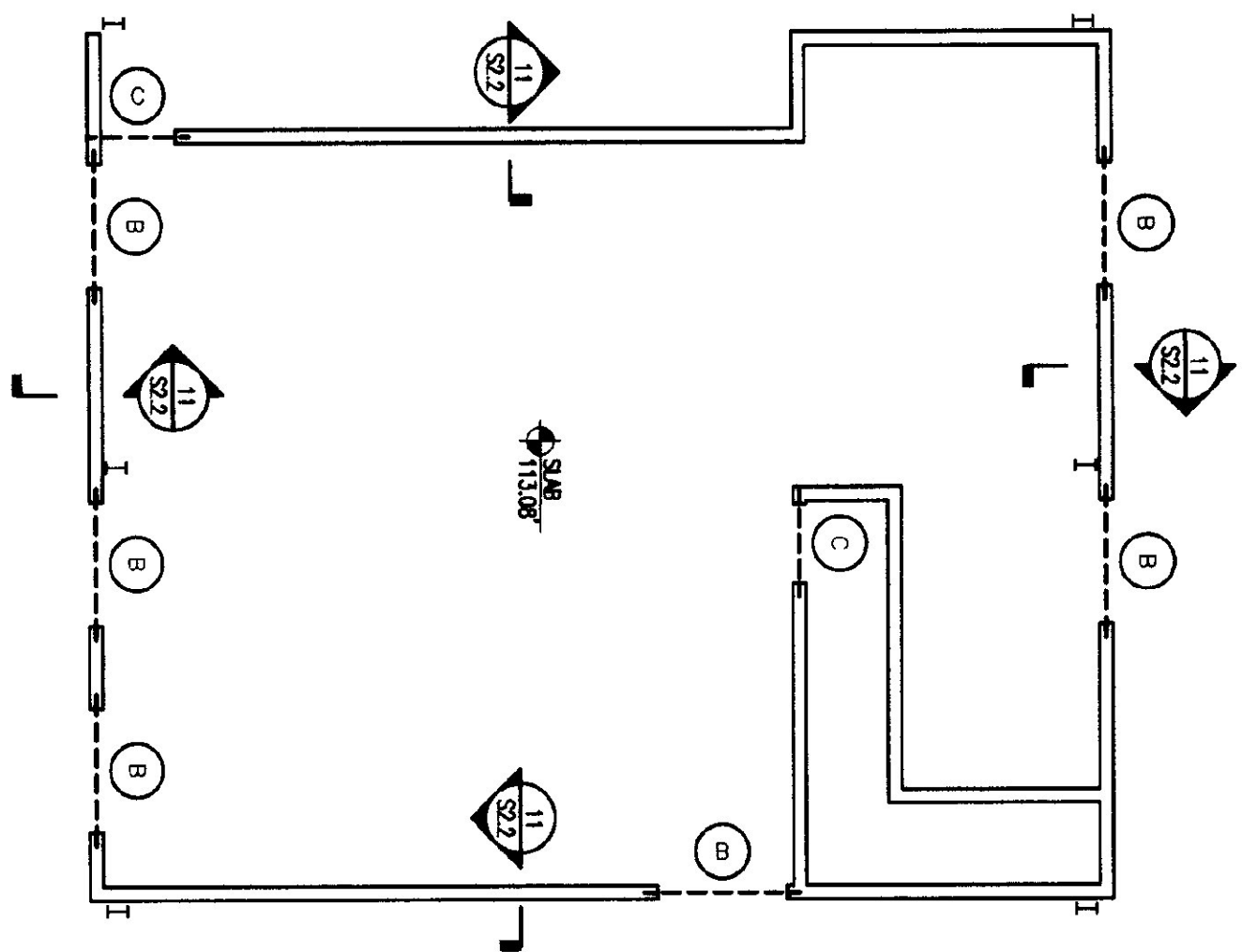
MAIN LEVEL WALL PLAN

1/8" = 1'-0"



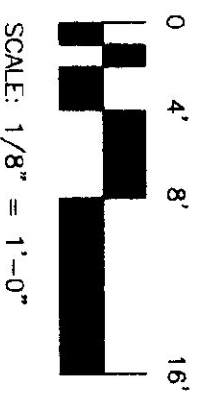
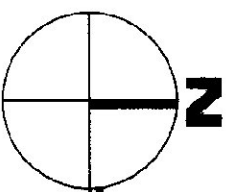
NOTES:

- 1) CMU WALLS:
 EXTERIOR WALLS: 8" CMU WITH #4'S AT 24" O.C.
 INTERIOR WALLS: 8" CMU WITH #4'S AT 24" O.C.
 NOTE: CMU WALL SECTIONS BETWEEN GARAGE DOORS TO HAVE #4'S IN EACH CORNER FULLY GROUTED.
 (SEE ARCHITECTURAL DRAWINGS FOR LOCATION WALL TYPES)
- 2) METAL CONTINUOUS BOND BEAM AT JUNCTION OF WALL HEIGHT AND TOP OF ALL WALLS WITH (2) #4'S CONTINUOUS, AND STANCHION #4'S DUE TO WALL THICKNESS REINFORCEMENT EVERY OTHER COURSE (EVERY 16"). INSTALL AND STUPE PER MANUFACTURER'S DIRECTIONS. ABOUT FILL ALL CORNER JOINTS TO OPENINGS.
- 3) CMU WALL CONTROL JOINTS TO BE LOCATED AT 25'-0" o.c. OR 3 TIMES THE WALL HEIGHT, WHICHEVER IS LESS.
- 4) LIMITS IN MASONRY WALL OPENINGS:
 A) LIMIT 1/4" - SEE DETAIL 6/S2.2
 B) LIMIT 3/8" - SEE DETAIL 6/S2.2
 C) LIMIT 1/2" - SEE DETAIL 6/S2.2
 D) LIMIT 3/4" - SEE DETAIL 6/S2.2
- 5) MEZZANINE SLAB: 8" PRE-CAST HOLLOW CORE SLAB WITH 2" CONCRETE TOPPING.
 TOPPING TO HAVE TENSILE CONCRETE REINFORCEMENT AS MANUFACTURED BY TENSAR COMPANY. REINFORCEMENT TO BE INSTALLED AT THE BOTTOM OF THE SLAB. PER MANUFACTURER'S INSTRUCTIONS. TOP OF TYPING ELEVATION TO BE 113.00'. HOLLOW CORE SLAB TO BE DESIGNED FOR A LIVE LOAD CAPACITY OF 125 psf.
- 6) TOP OF EXTERIOR CMU WALLS AND INTERIOR CMU WALL ALONG "T" LINE TO HAVE GRADE BED WITH UNDERLIE OF ROOF DECK (NOTE: TOP OF WALLS ON LINES "1", "3" AND "4" ARE SLIGHTLY).

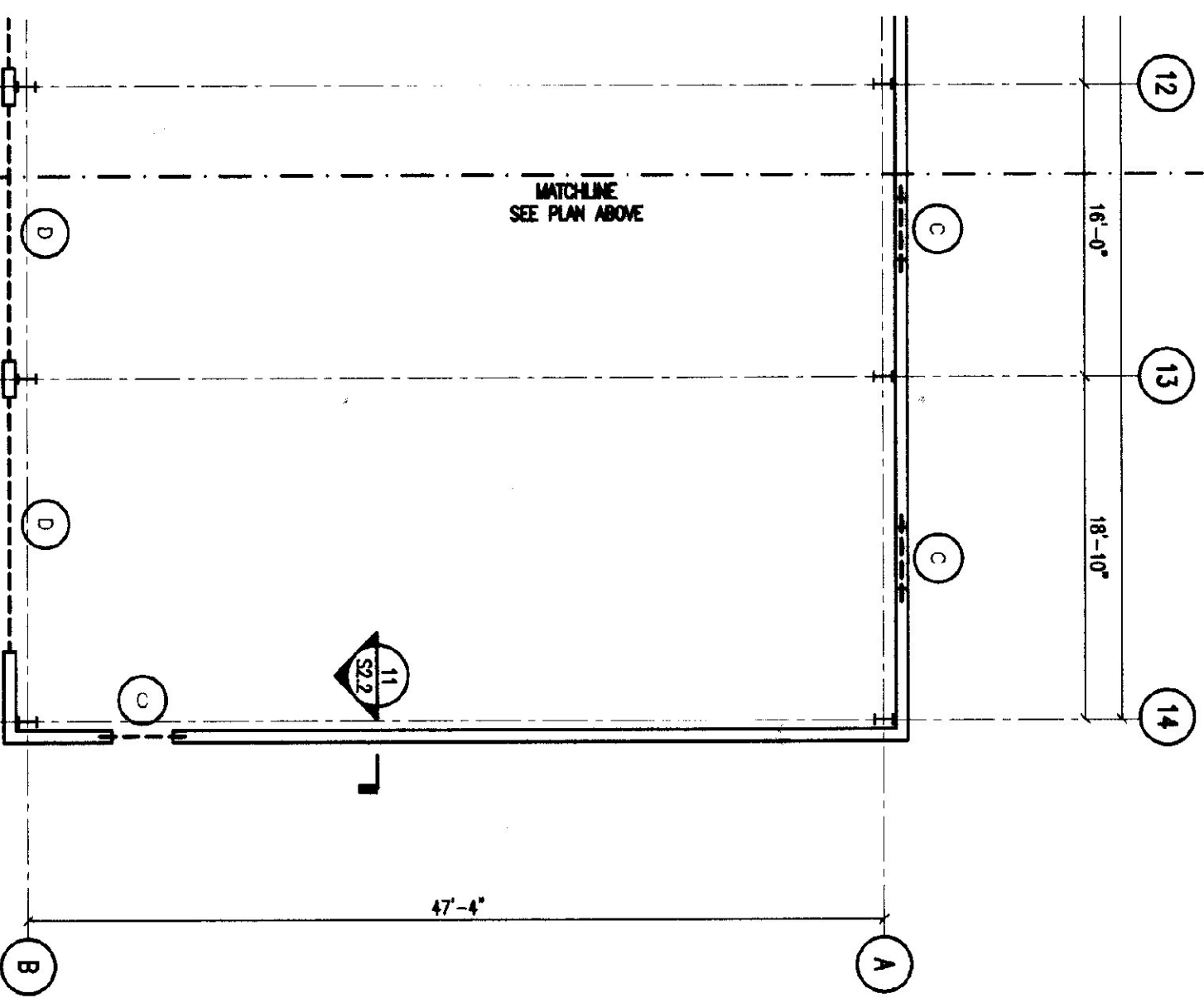


MEZZANINE WALL PLAN

1/8" = 1'-0"



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



MATCHLINE
SEE PLAN ABOVE

MATCHLINE
SEE PLAN BELOW

AGENCY OF TRANSPORTATION
 COLCHESTER MAINTENANCE FACILITY
 CHIMNEY CORNERS
 COLCHESTER, VERMONT



STATE OF VERMONT
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 AND GENERAL SERVICES
 AGENCY OF ADMINISTRATION
 MONTPELIER, VERMONT



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 1705 WELLSFORD ROAD • SOUTH BURLINGTON • VERMONT

ENGINEERING
 VENTURES INC.
 7 Kilburn Street
 Burlington, VT 05402
 Tel: 802.268.8888
 Fax: 802.268.8800
 EngineeringVentures.com

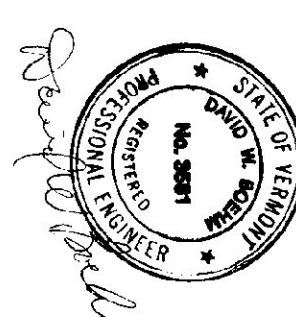
MAINTENANCE
 GARAGE
 WALL
 PLAN

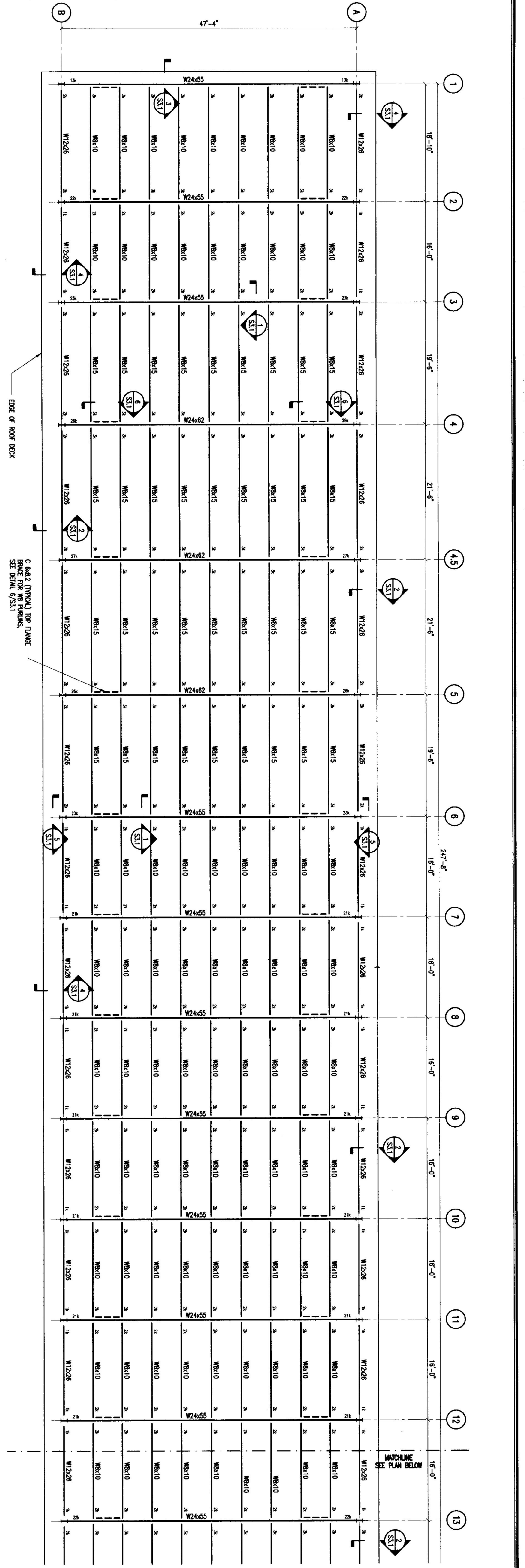
SCALE: AS NOTED
 DATE: OCT 15, 1999
 DRAWN BY: KW/JMM
 APPR. BY: DWB

REVISIONS
1-11-00 Final Rev.

S-1.1

11 of 36

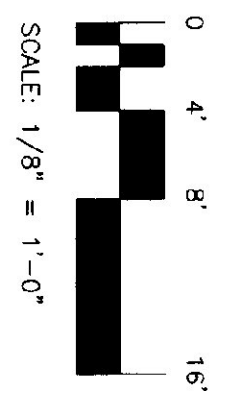
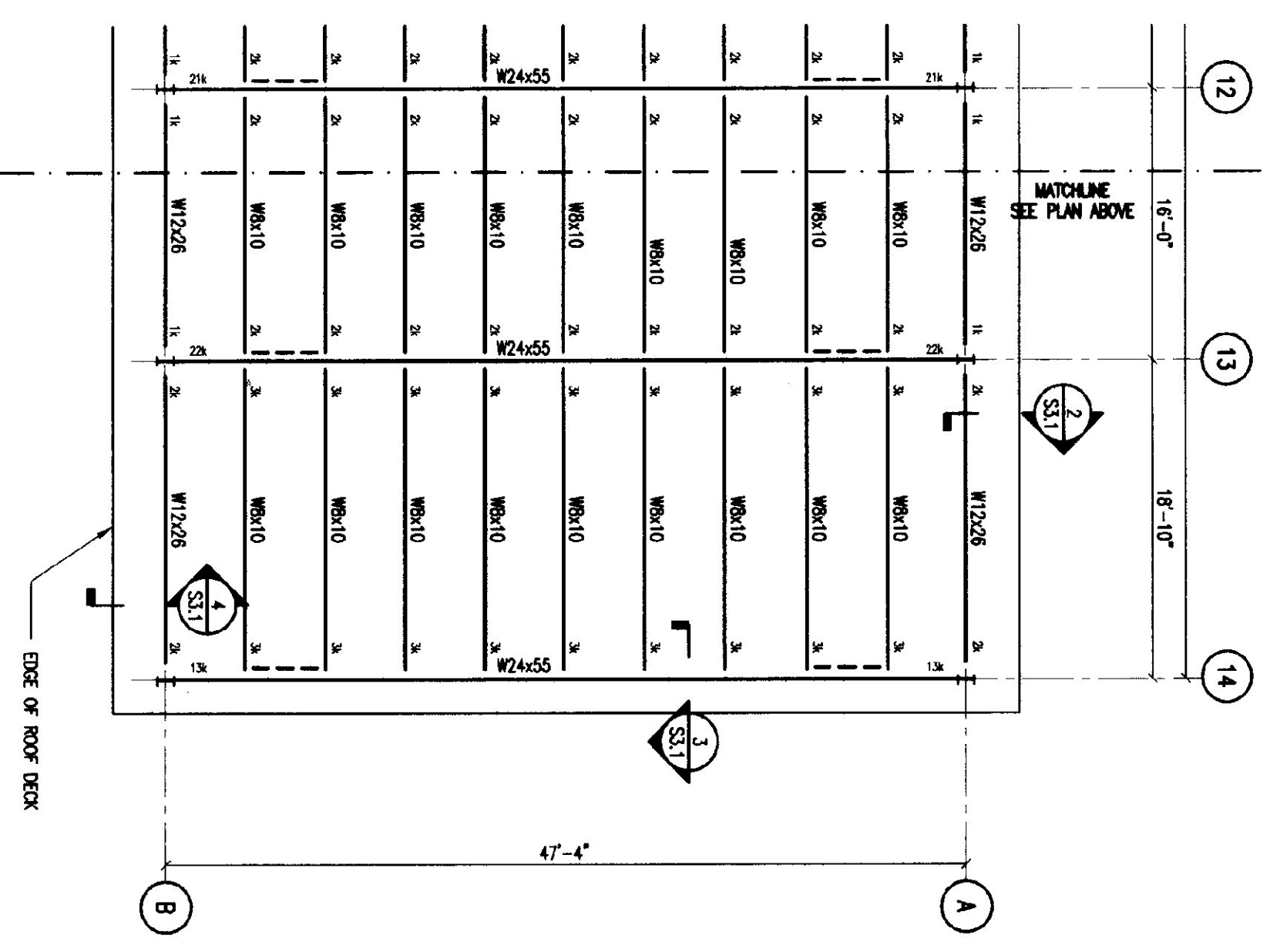




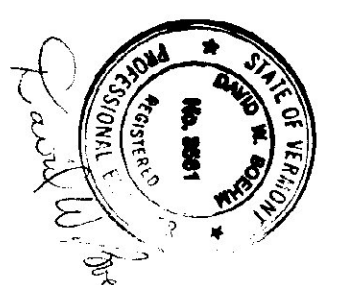
- NOTES
- 1) TOP OF COLUMNS ON COLUMN LINE "A" AT ELEVATION 120.92'
 - 2) TOP OF COLUMNS ON COLUMN LINE "B" AT ELEVATION 121.57'
 - 3) THE ROOF DECK SHEAR DEPENDANCE SHALL BE 1 1/2" TYPE B 20 GA. STEEL DECKING WITH A 30/5 WELD PATTERN (5/8" WELDS) AND FOUR SPOUR FASTENERS PER SPAN.
 - 4) ALL STEEL BEAM CONNECTIONS TO BE SIZED FOR THE NUMBER SHOWN AT THE END OF EACH BEAM, OR 80% WHICHEVER IS GREATER.

ROOF FRAMING PLAN

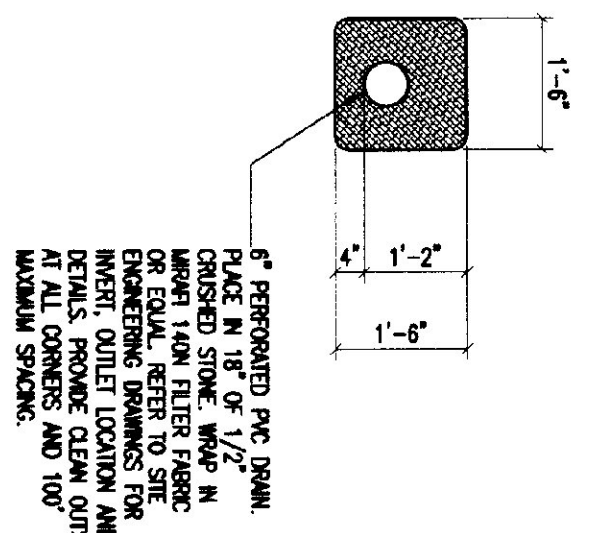
1/8" = 1'-0"



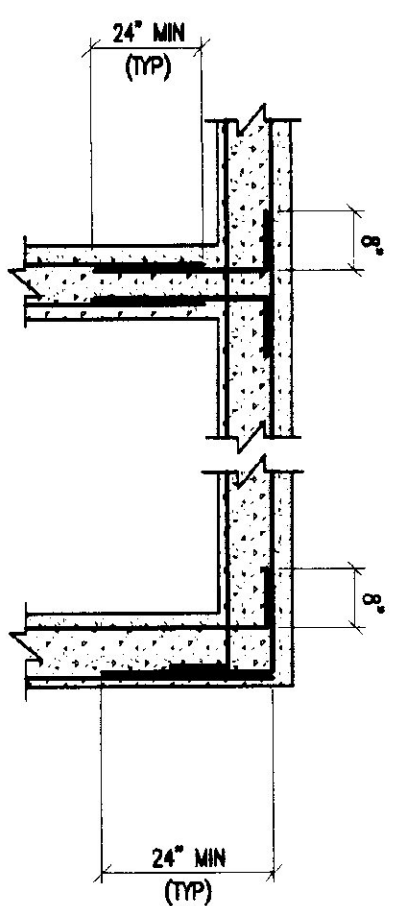
SCALE: 1/8" = 1'-0"



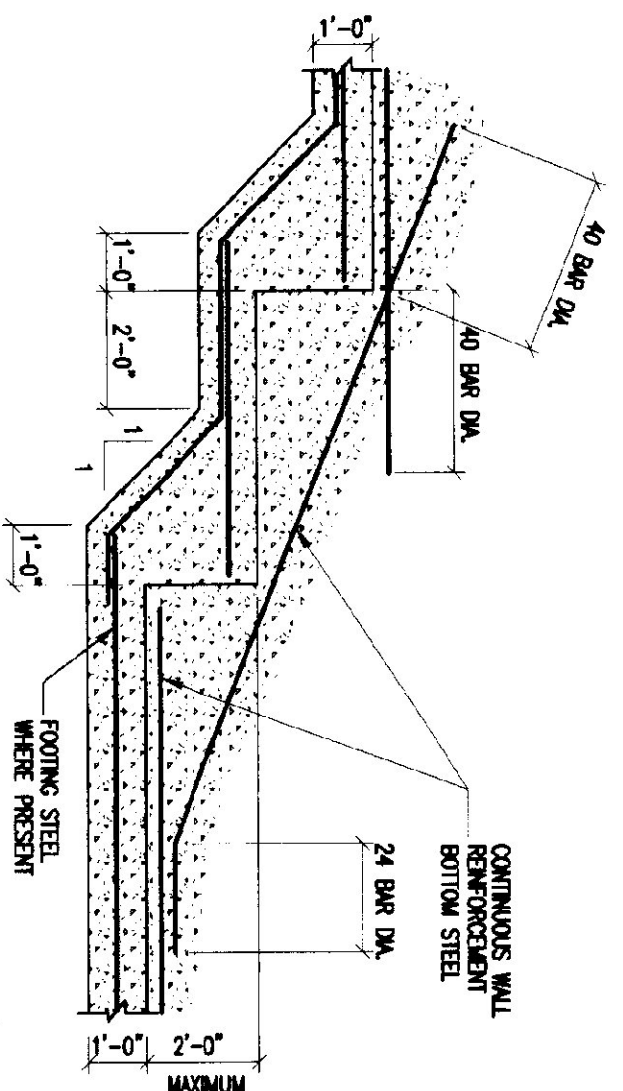
S-1.2 12 OF 36	MAINTENANCE GARAGE ROOF PLAN	COLCHESTER	SCALE: AS NOTED DATE: OCT 15, 1999 DRAWN BY: KW APPR. BY: DWB	REVISIONS J-19-00: Final Rev.	AGENCY OF TRANSPORTATION COLCHESTER MAINTENANCE FACILITY CHIMNEY CORNERS COLCHESTER, VERMONT	STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTPELIER, VERMONT	BGS	DORE AND WHITTIER INC. ARCHITECTS • PROJECT MANAGERS 1705 WILLISTON ROAD • SOUTH BURLINGTON • VERMONT 7 Kilburn Street Burlington, VT 05401 Phone 802.552.8888 Fax 802.552.8808 EngineeringVentures.com
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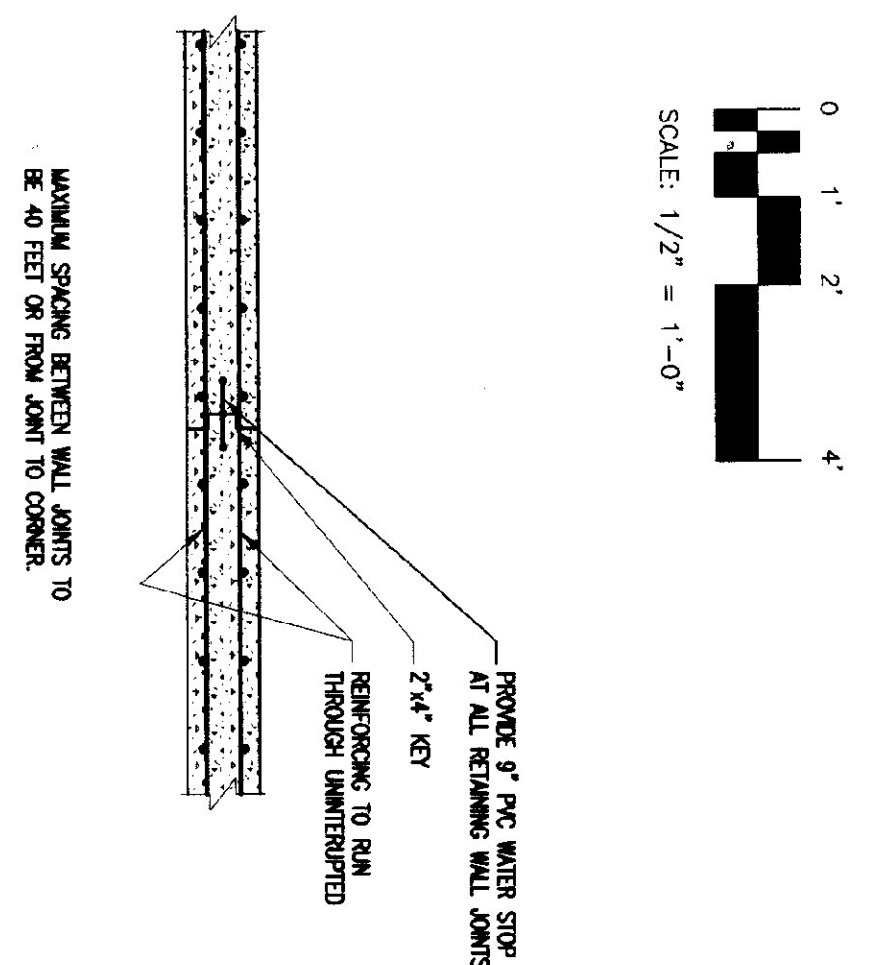
TYPICAL FOOTING DRAIN DETAIL
1
1/2" = 1'-0"



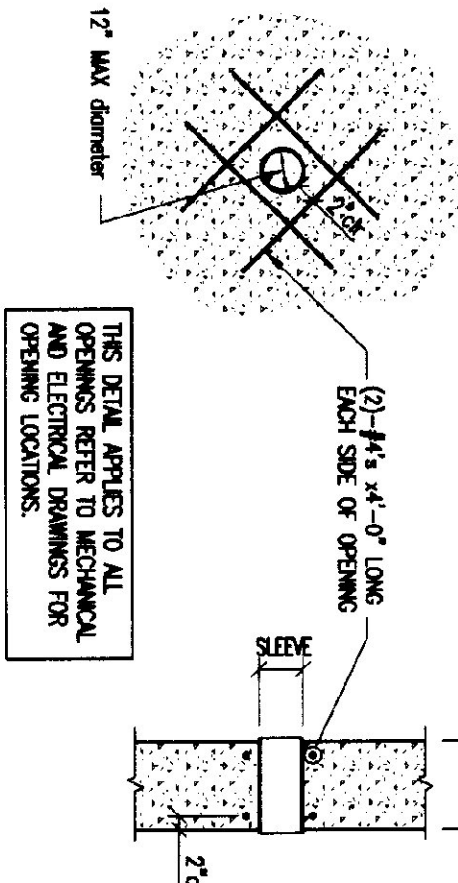
CORNER REINFORCING DETAIL
2
1/2" = 1'-0"



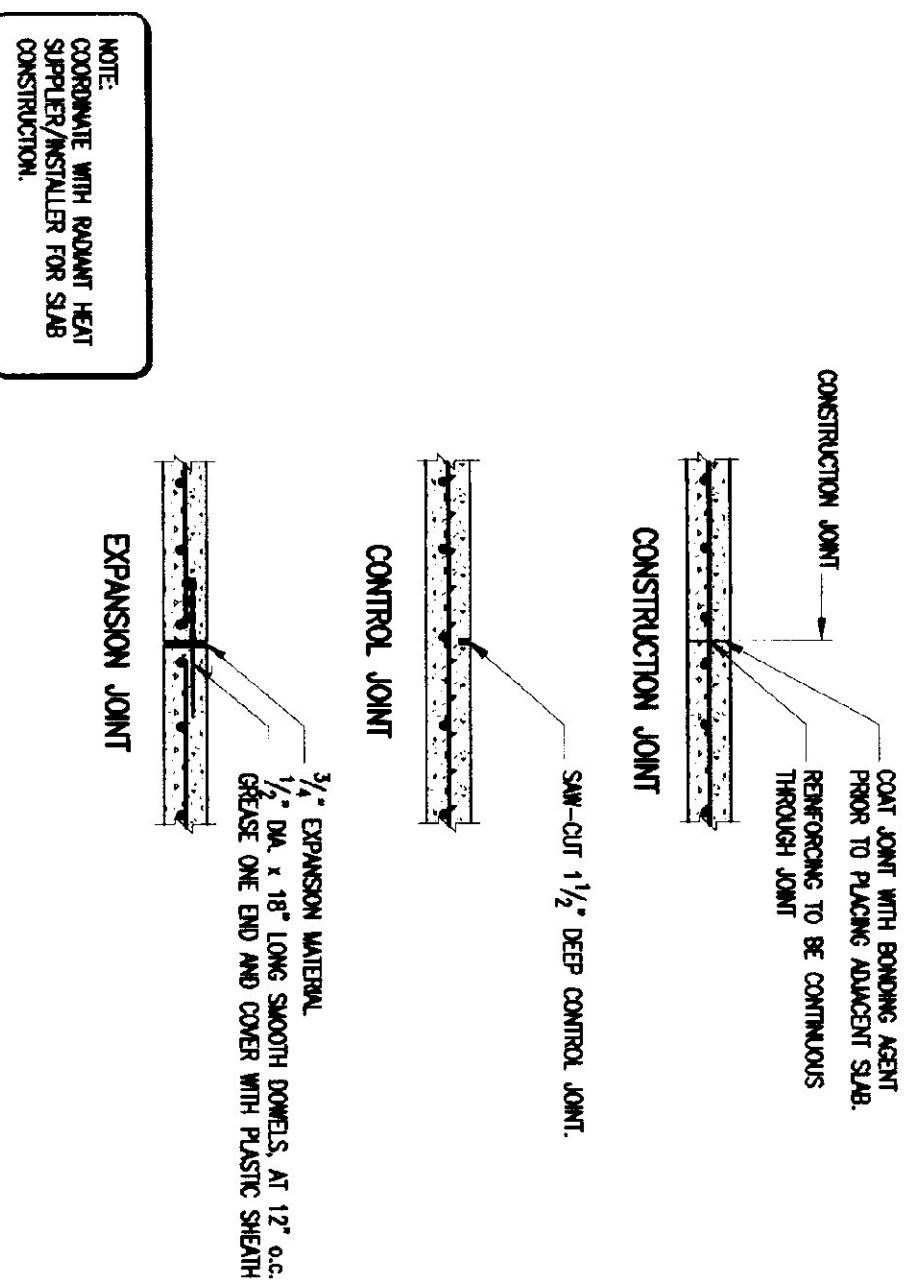
TYPICAL FOOTING STEP
3
1/2" = 1'-0"



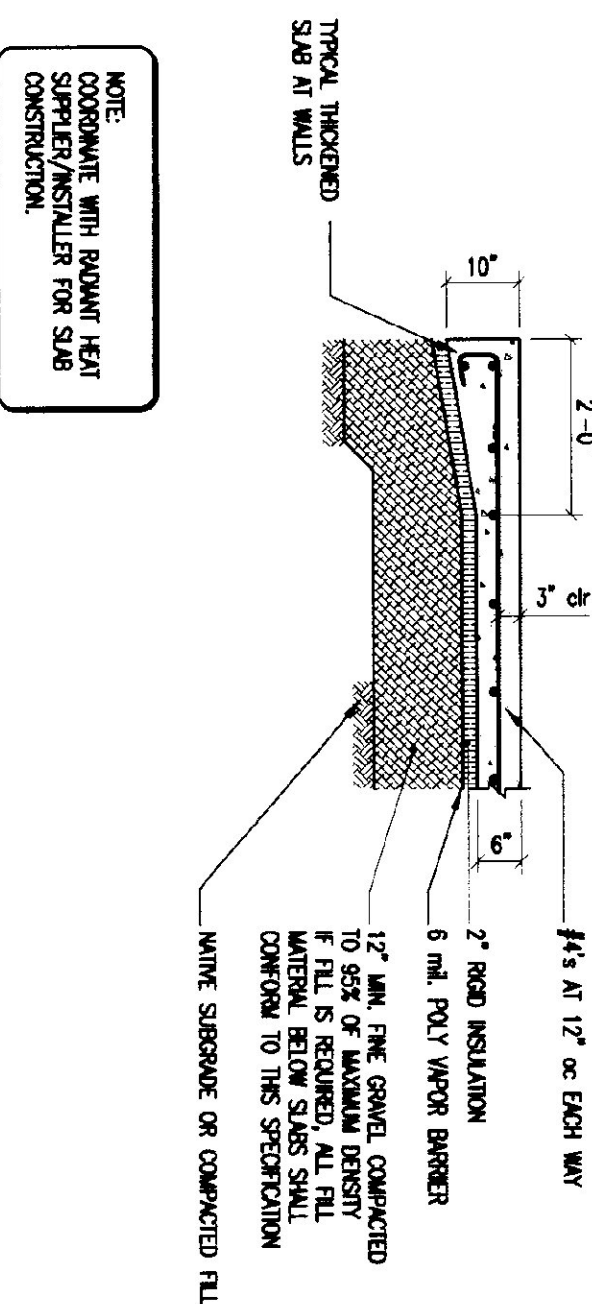
WALL CONSTRUCTION JOINT
4
1/2" = 1'-0"



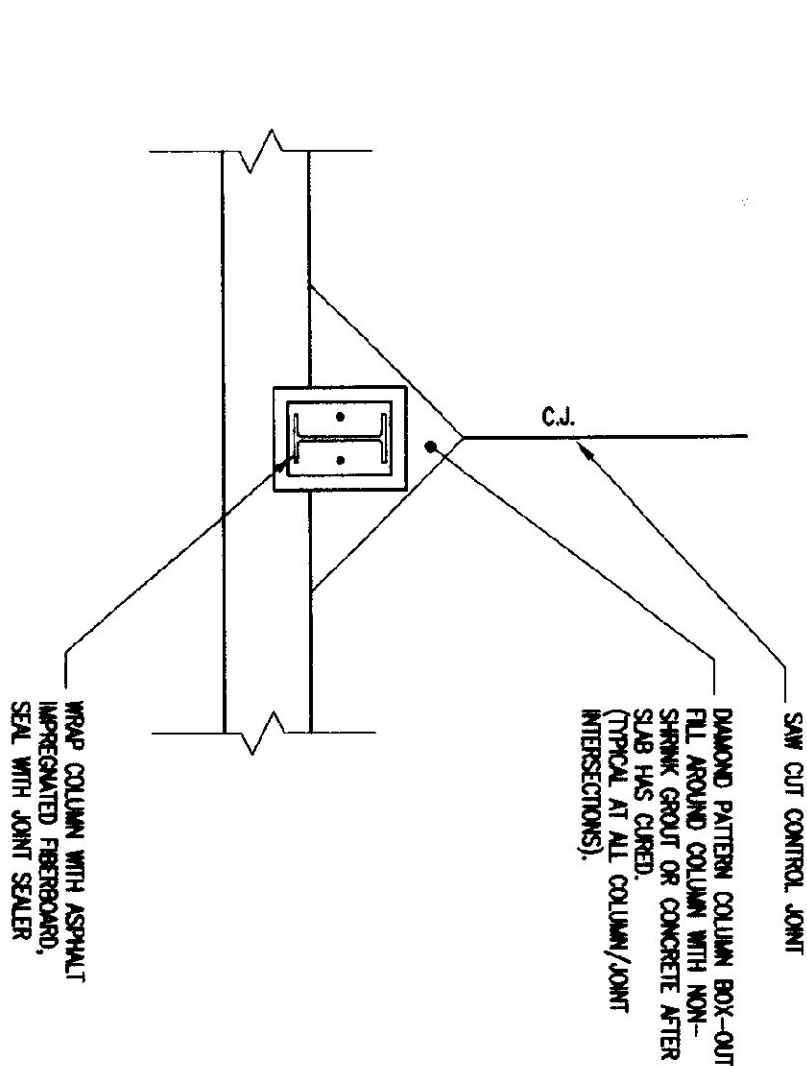
TYPICAL WALL OPENING DETAIL
5
1/2" = 1'-0"



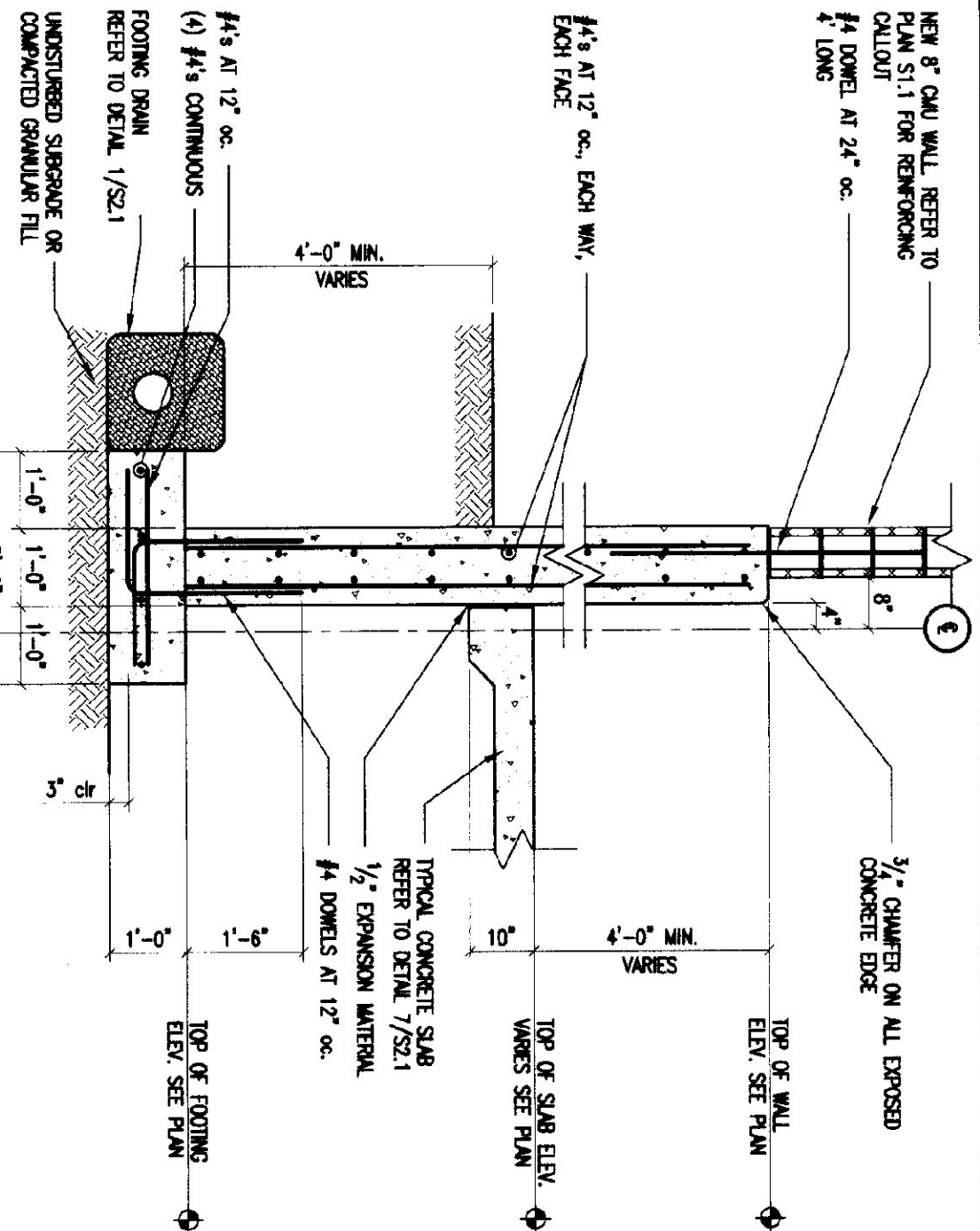
TYPICAL SLAB JOINTS
6
1/2" = 1'-0"



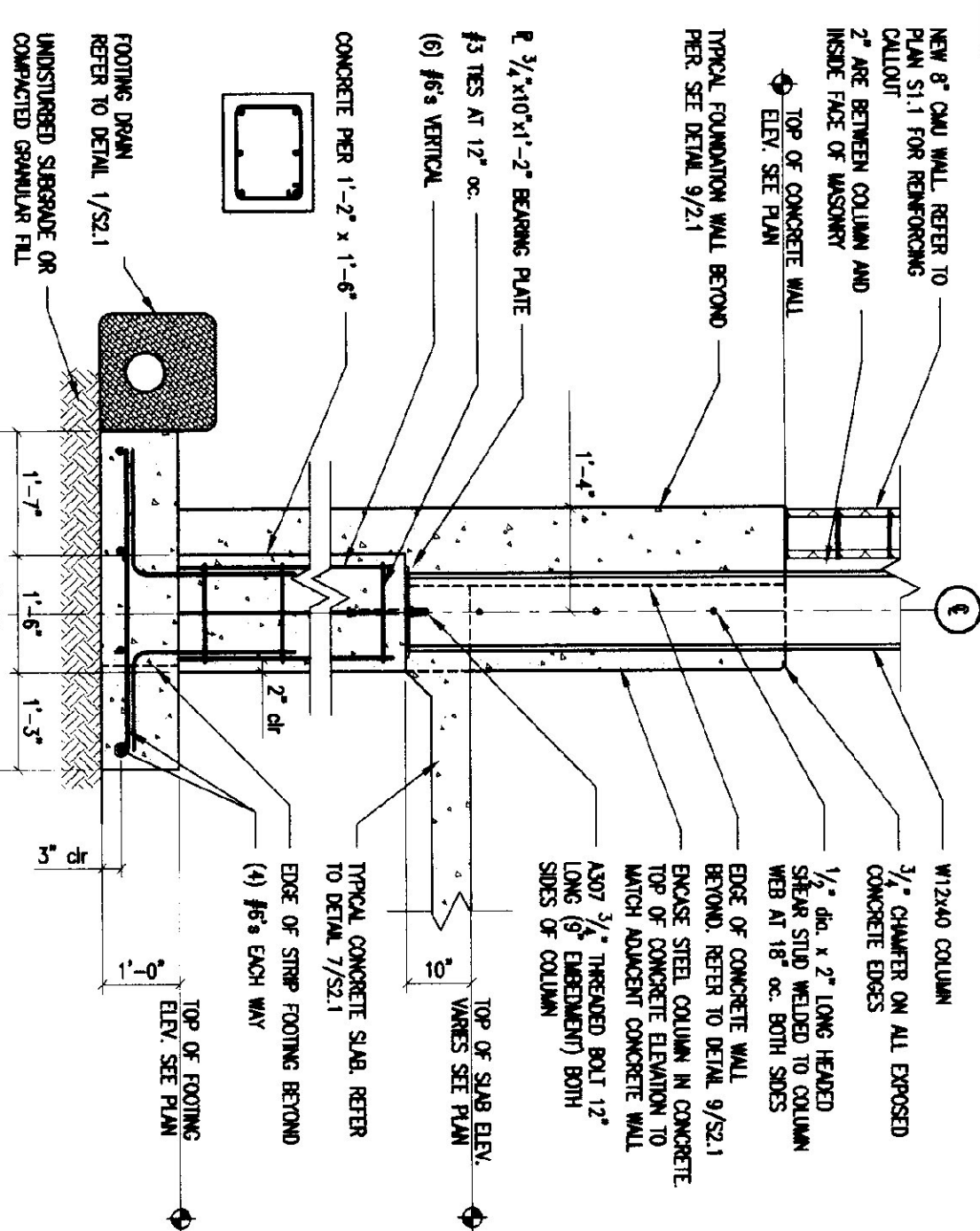
TYPICAL SLAB ON GRADE
7
1/2" = 1'-0"



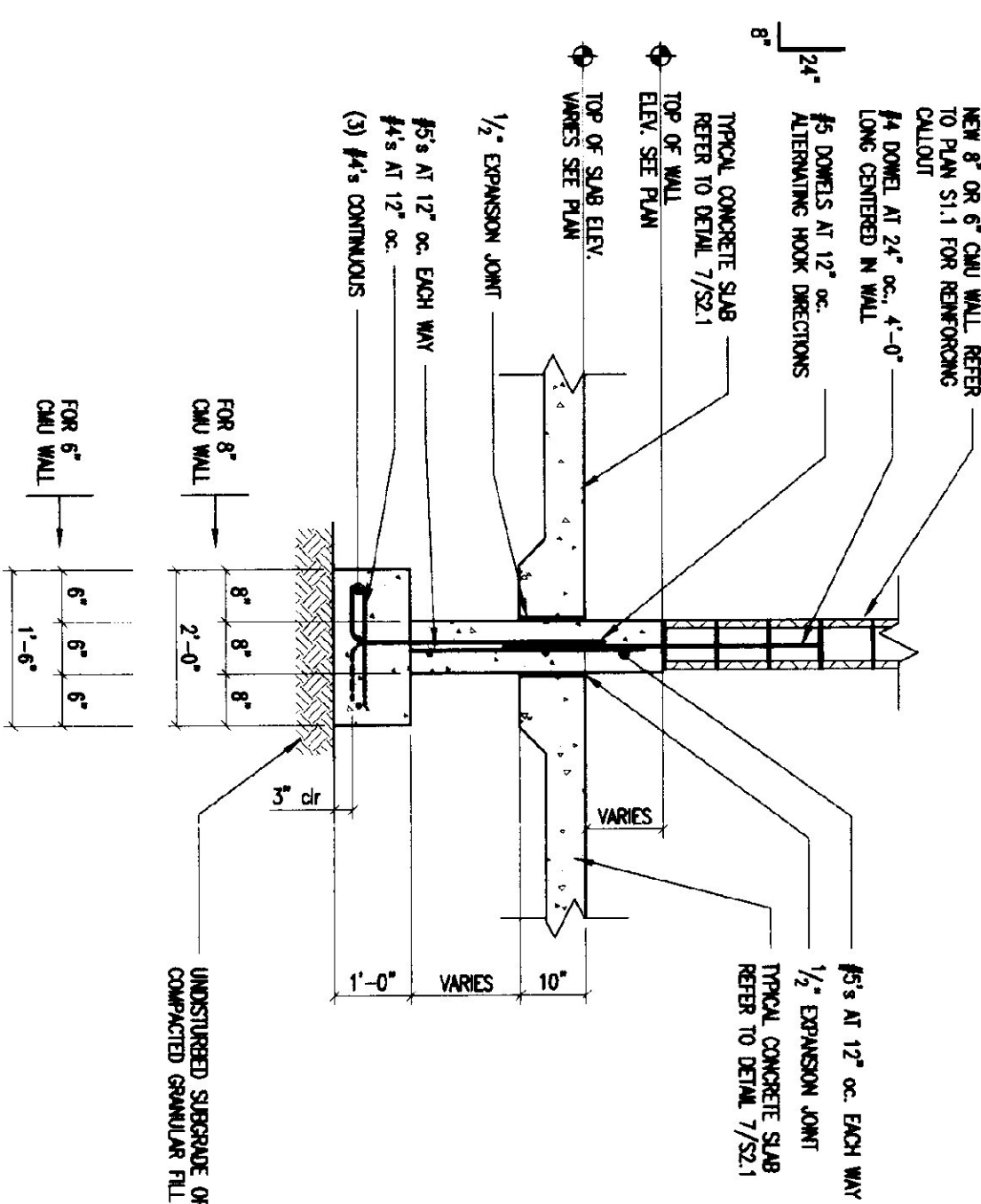
TYPICAL CONTROL JOINT AT COLUMN
8
3/4" = 1'-0"



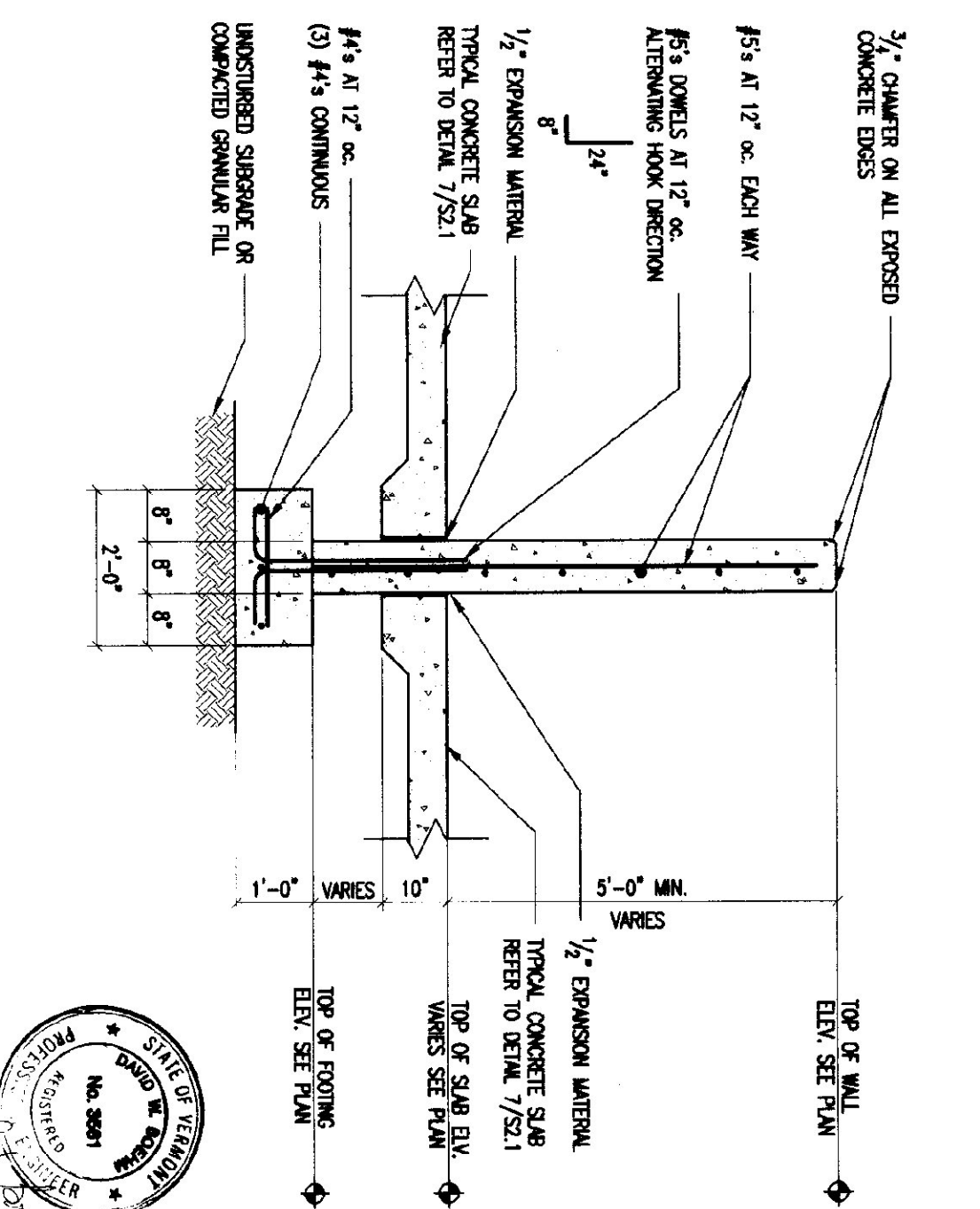
TYPICAL FOUNDATION WALL DETAIL
9
1/2" = 1'-0"



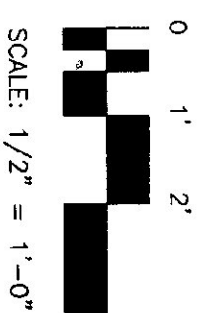
TYPICAL COLUMN PIER AND FOOTING DETAIL
10
1/2" = 1'-0"

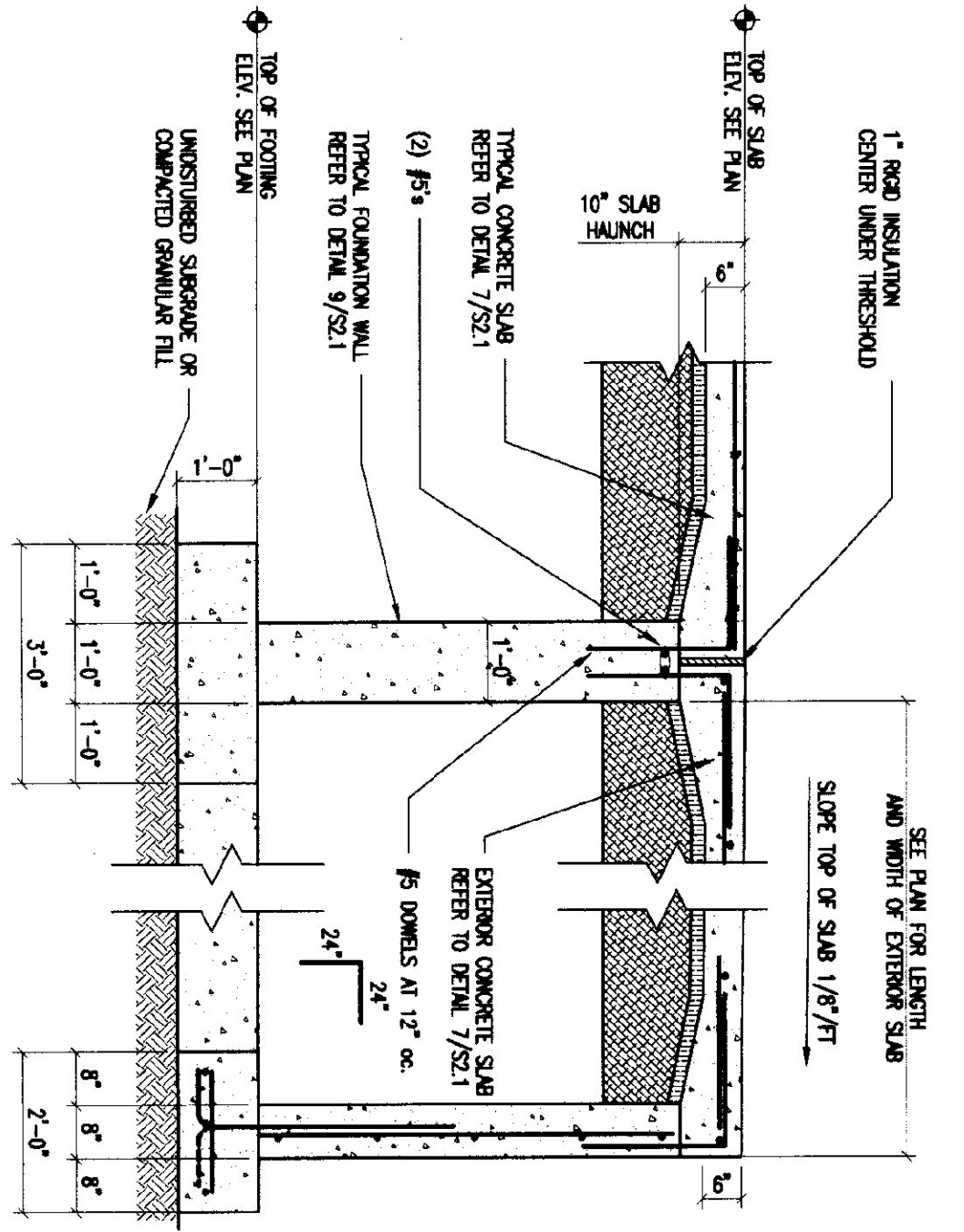


TYPICAL INTERIOR STRIP FOOTING DETAIL
11
1/2" = 1'-0"



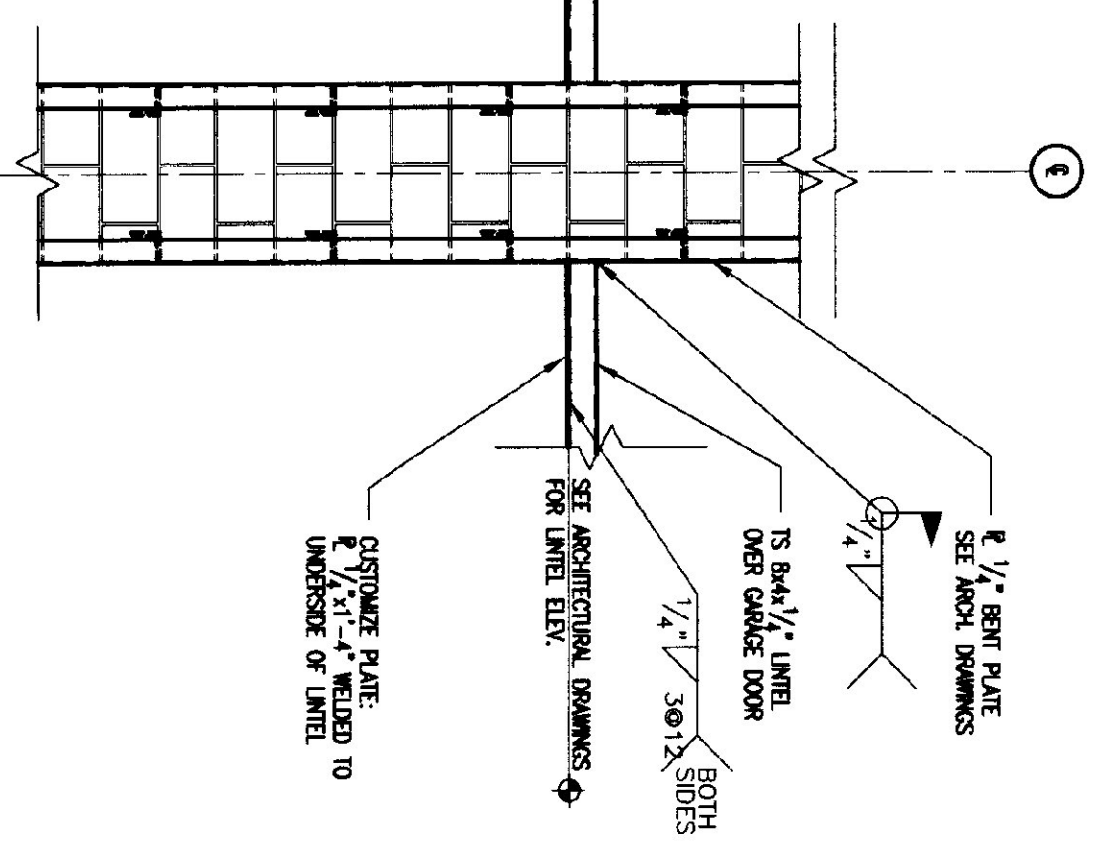
TYPICAL CONCRETE WALL DETAIL
12
1/2" = 1'-0"





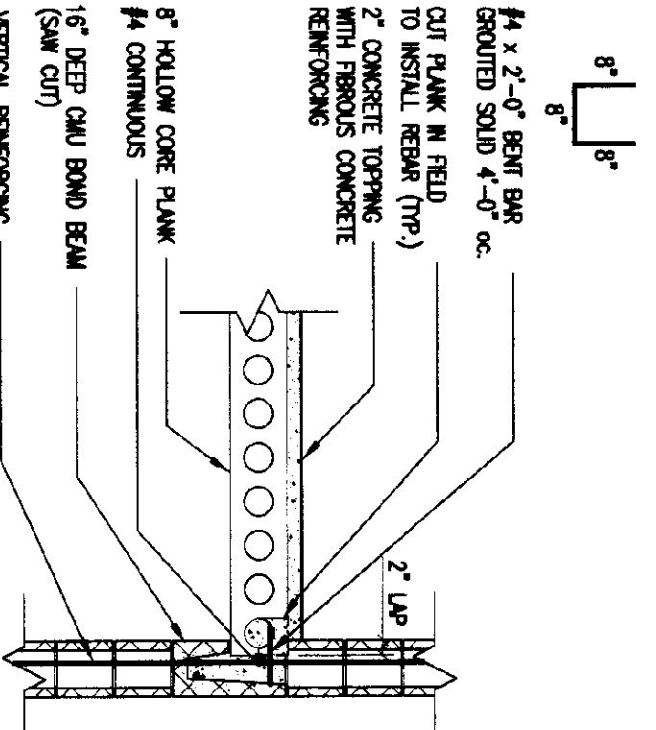
TYPICAL ENTRY SLAB AT EXTERIOR DOOR

1/2" = 1'-0"



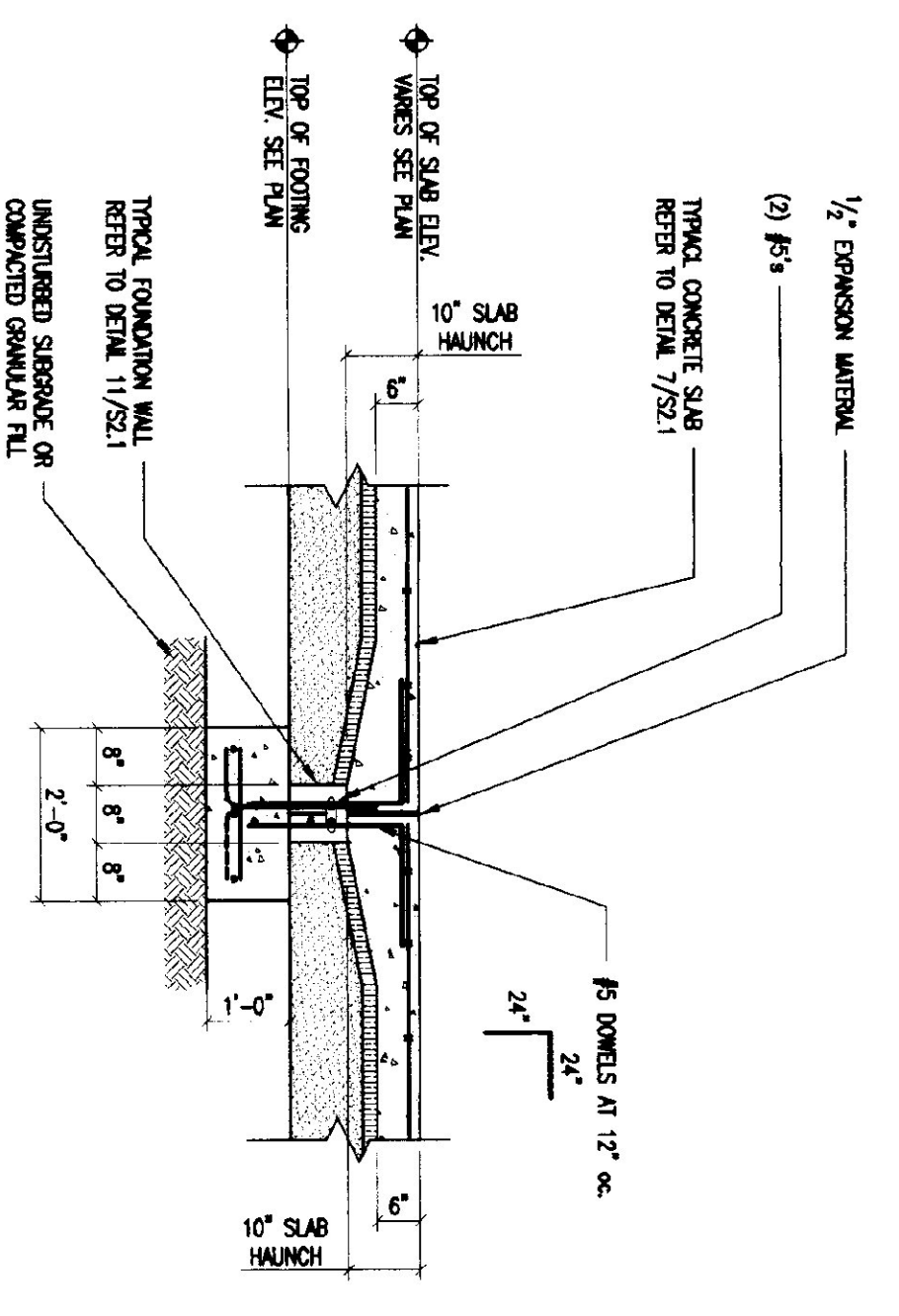
LINTEL OVER GARAGE DOOR

1/2" = 1'-0"



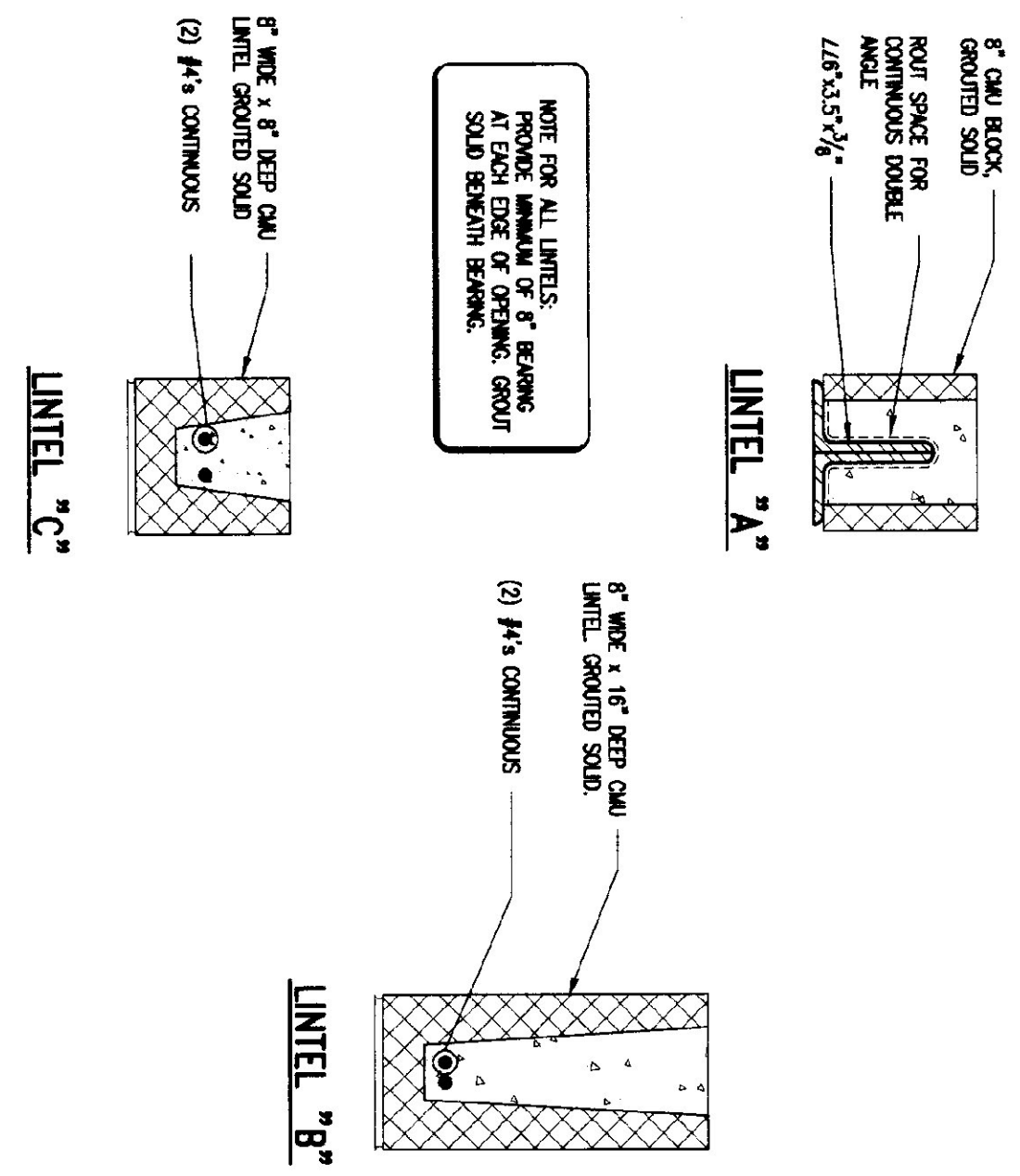
LAP SECTION

1/2" = 1'-0"



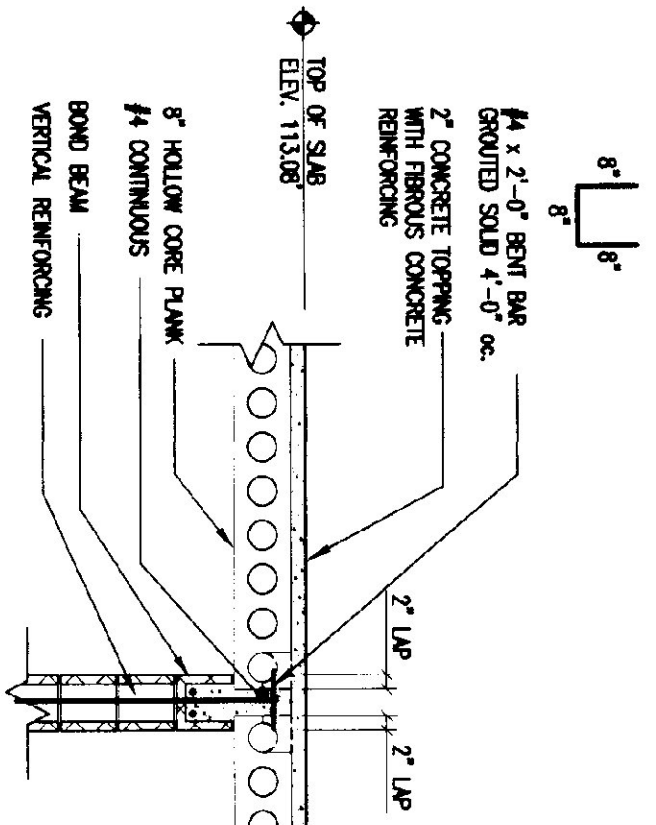
TYPICAL SLAB AT INTERIOR DOOR

1/2" = 1'-0"



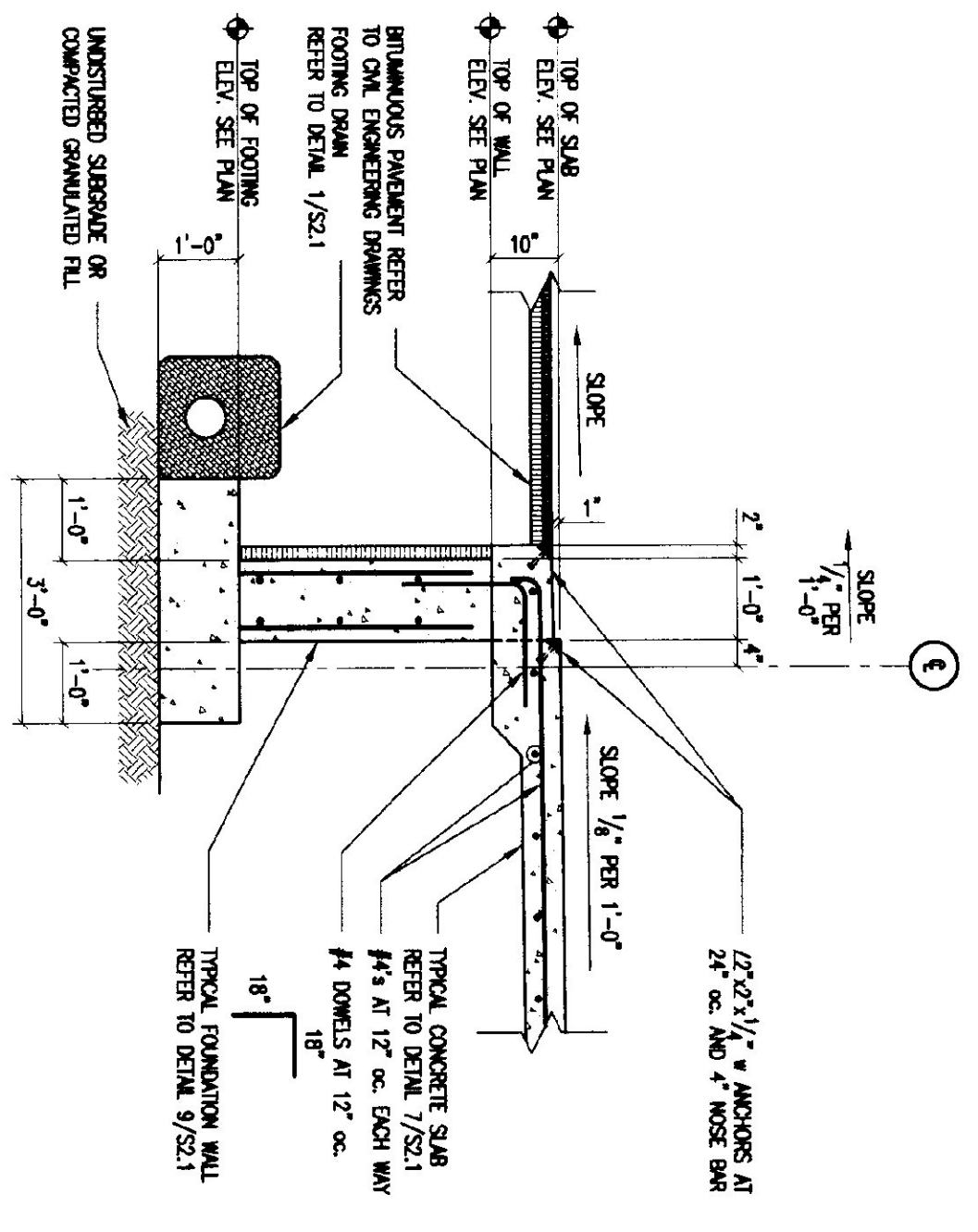
TYPICAL LINTELS

1/2" = 1'-0"



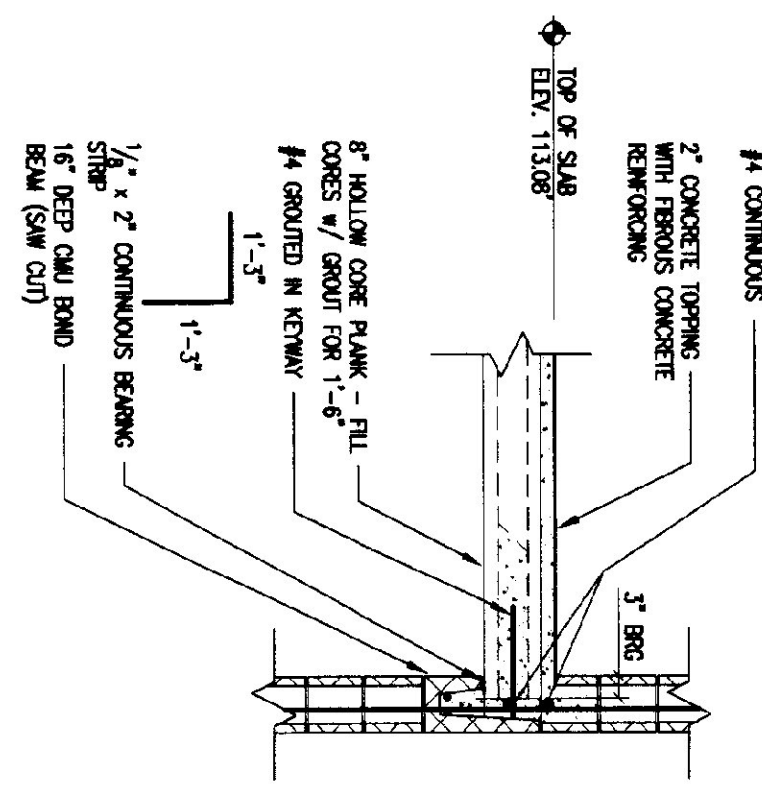
LAP SECTION

1/2" = 1'-0"



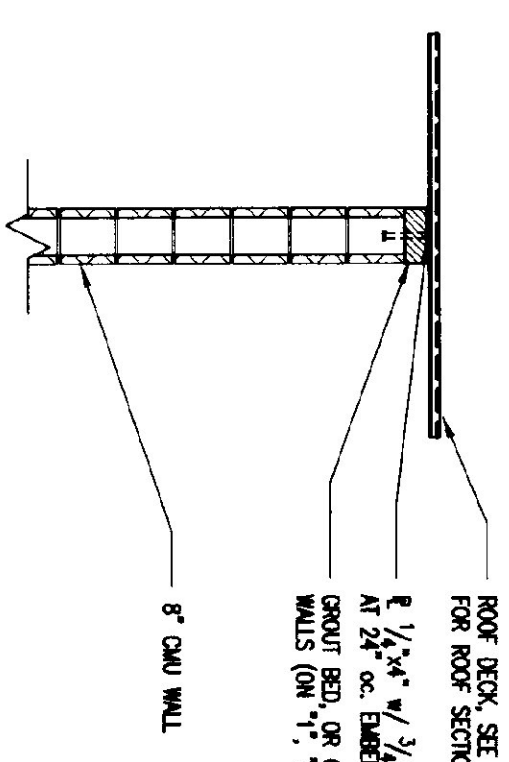
FOUNDATION WALL AND SLAB DETAIL

1/2" = 1'-0"



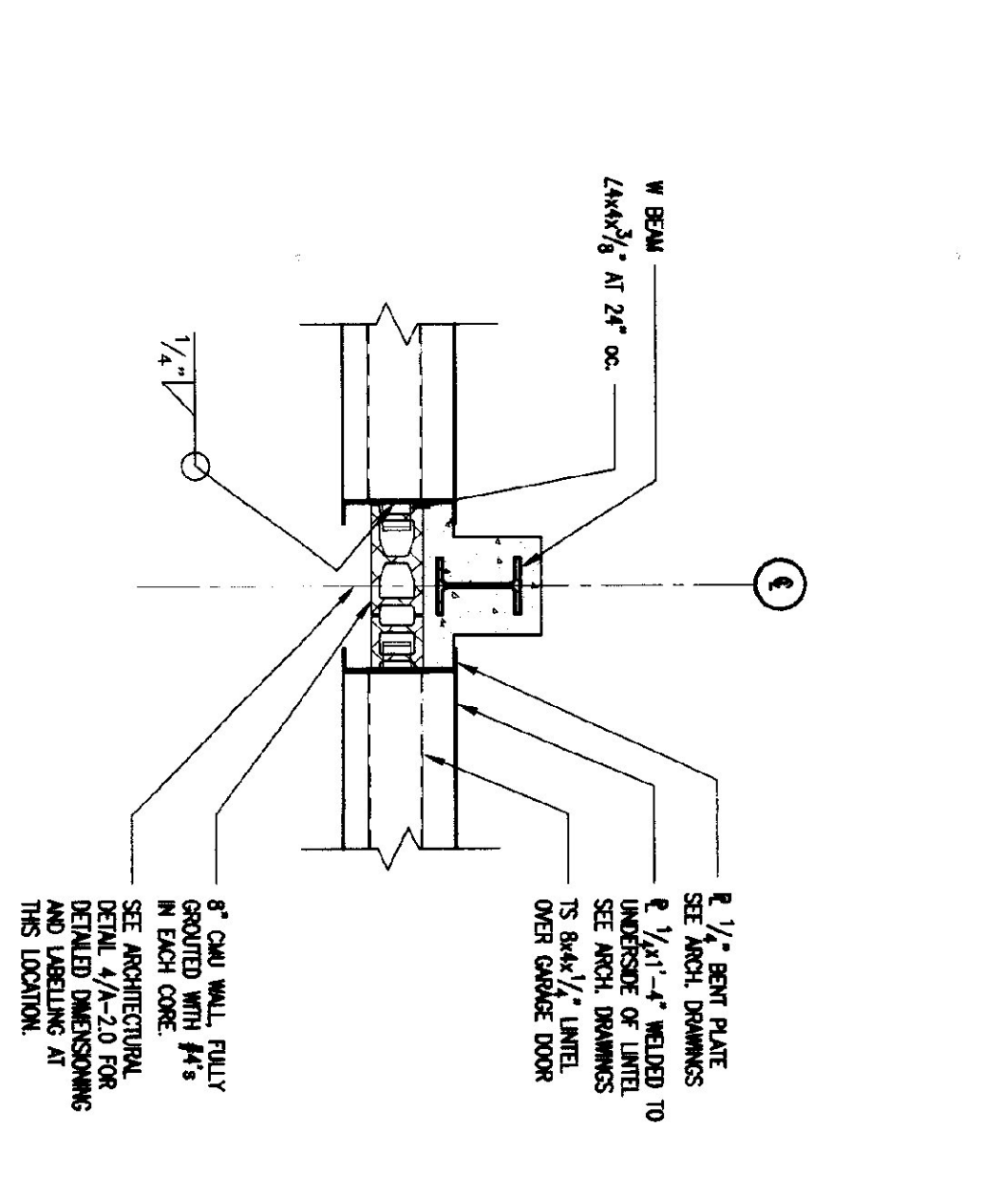
BEARING SECTION

1/2" = 1'-0"



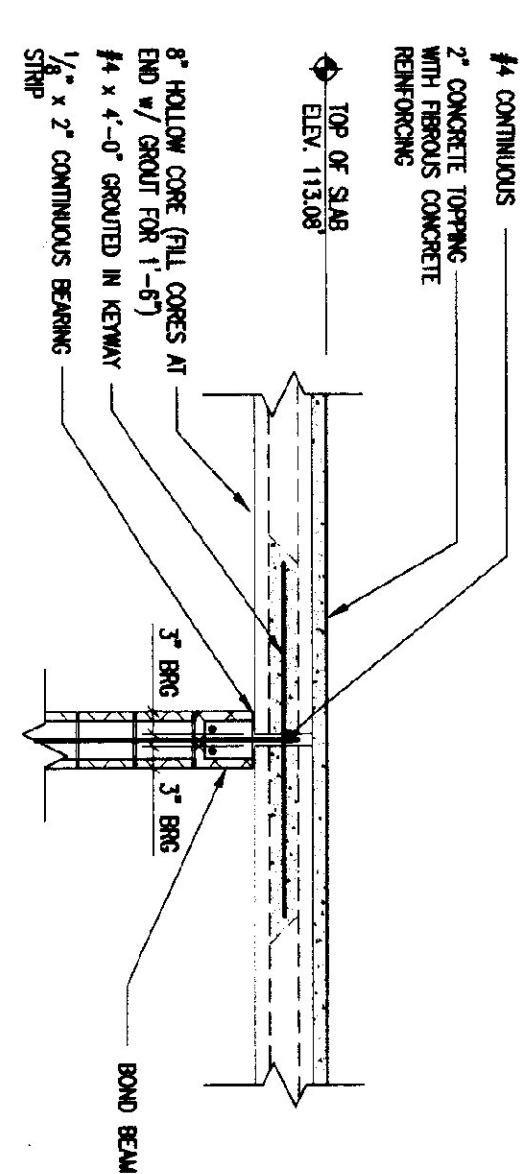
STEEL DECK/CMU WALL DETAIL

1/2" = 1'-0"



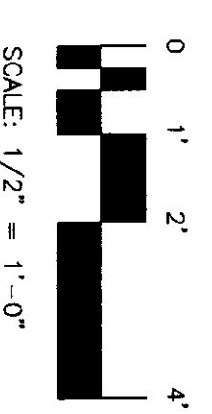
PIER AND WALL BETWEEN GARAGE DOORS

1/2" = 1'-0"

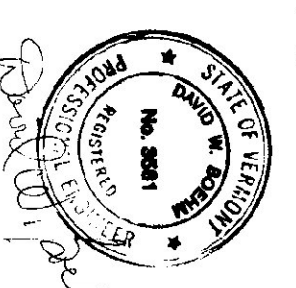


BEARING SECTION

1/2" = 1'-0"



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



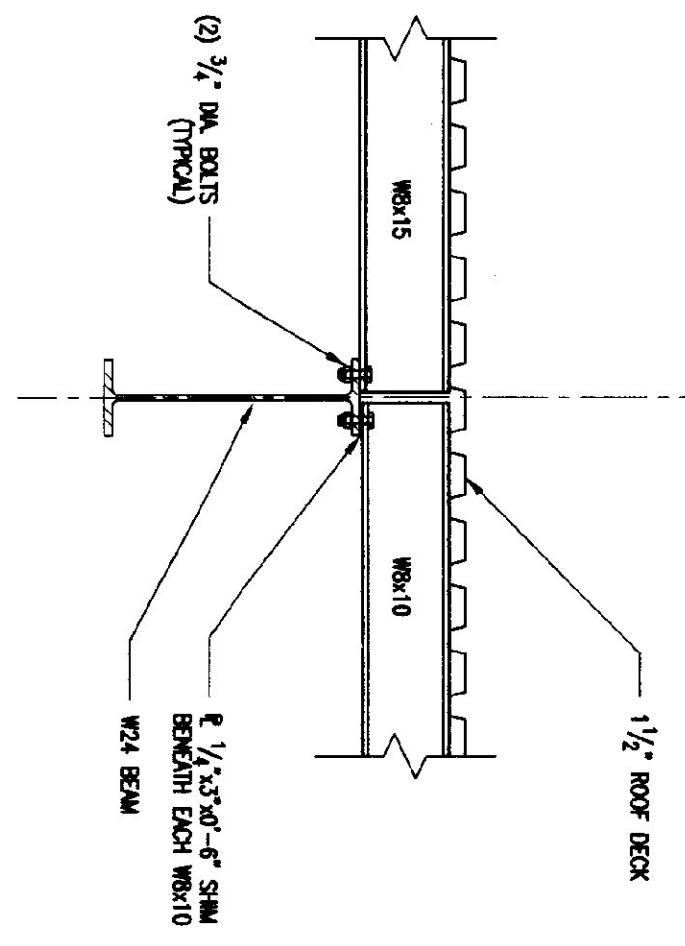
S-2.2
14 of 36

SCALE: AS NOTED	REVISIONS
DATE: OCT 15, 1999	19-00: Final Rev.
DRAWN BY: JMM/KW	
APPR. BY: DWB	

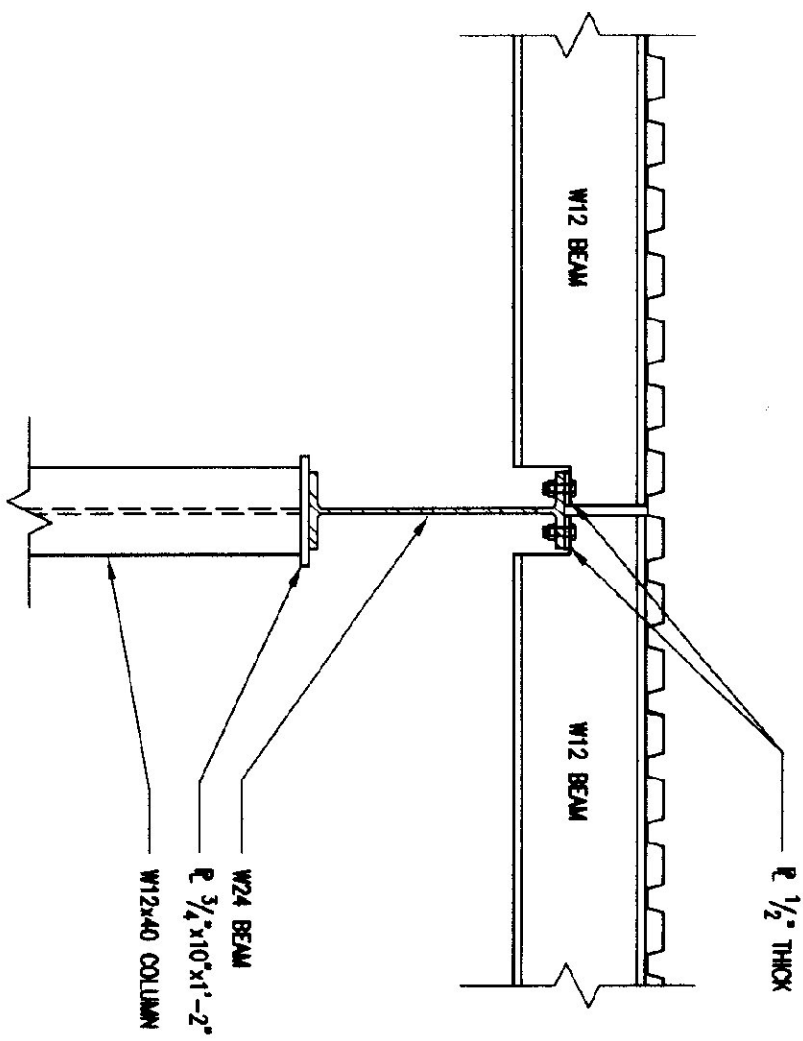
AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
COLCHESTER, VERMONT

STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

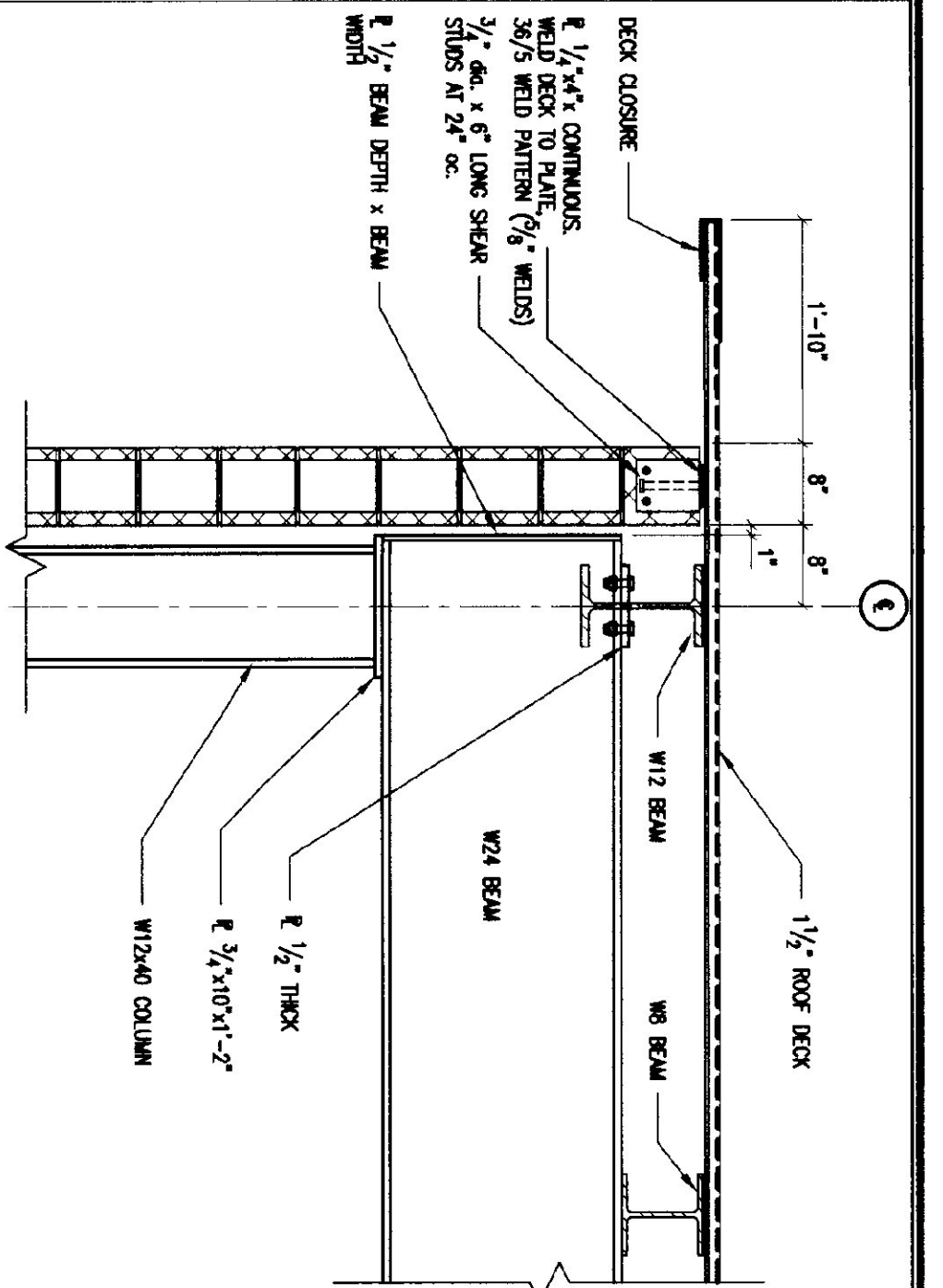
DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
1795 WILLOW ROAD • SOUTH BURLINGTON • VERMONT
ENGINEERING VENTURES INC.
105 Kilburn Street
Burlington, VT 05401
Tel: 802.865.8888
Fax: 802.865.8889
EngineeringVentures.com



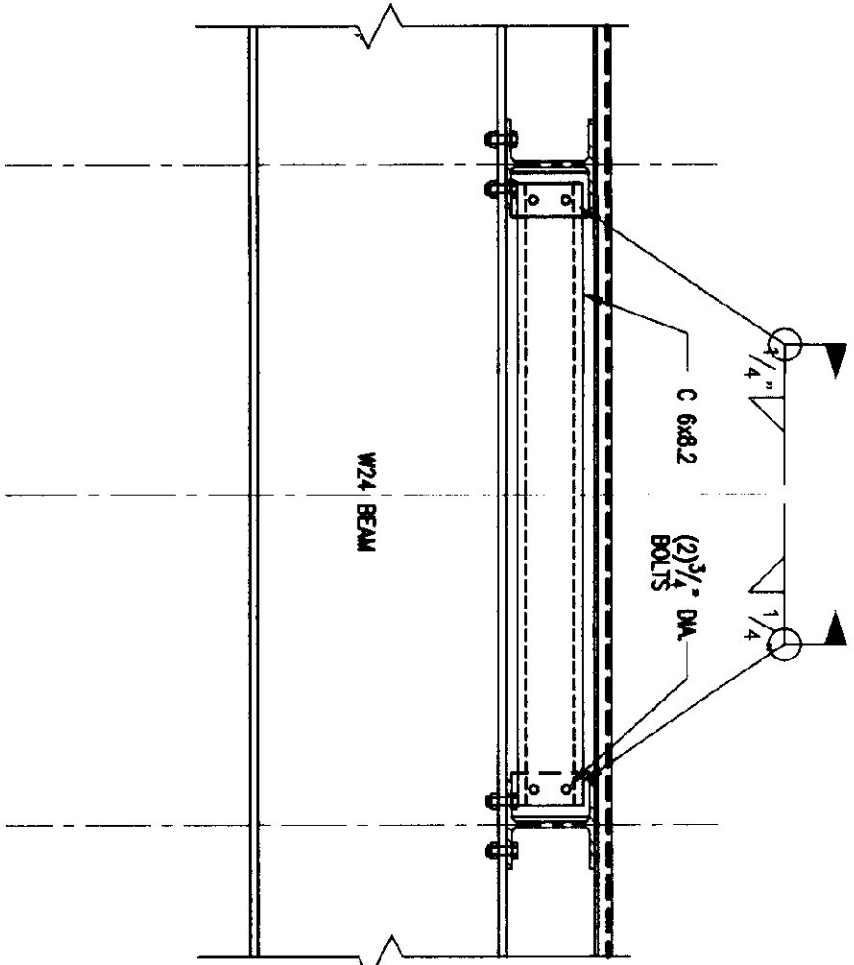
FRAMING DETAIL
1
3/4" = 1'-0"



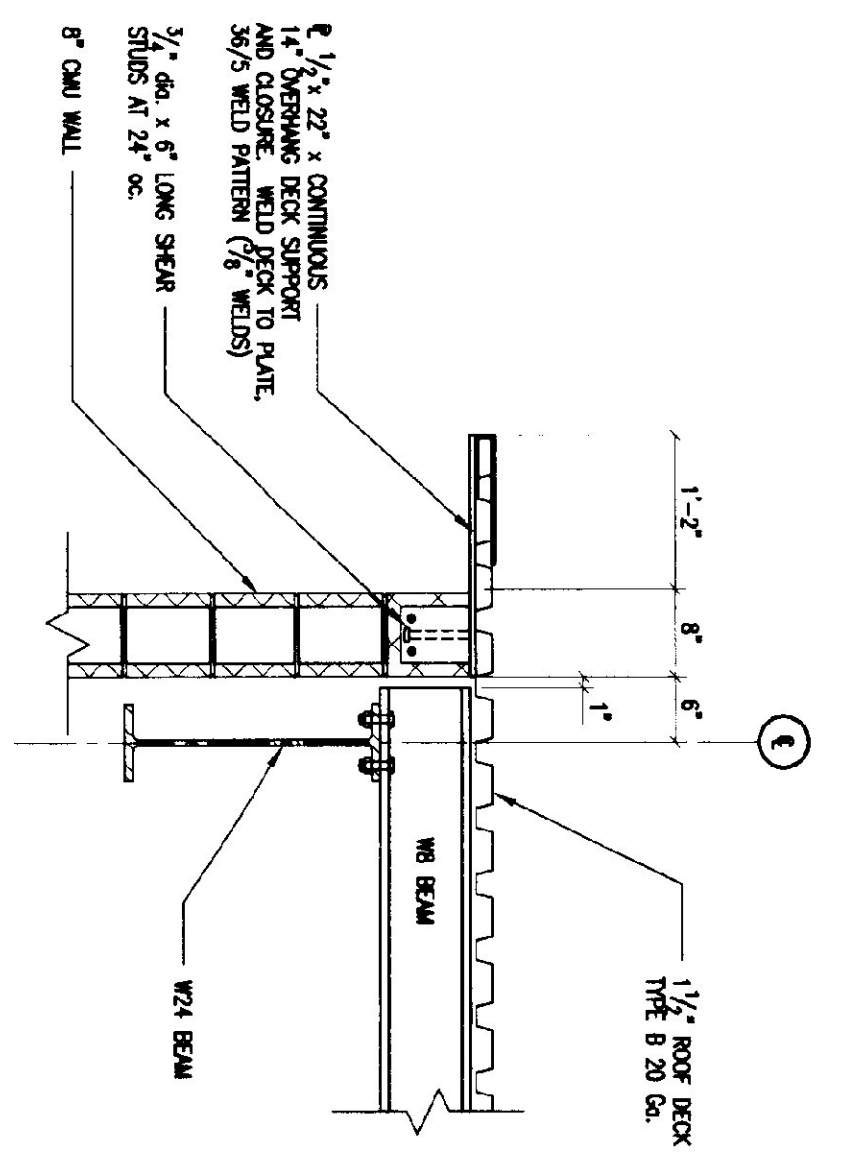
FRAMING DETAIL
5
3/4" = 1'-0"



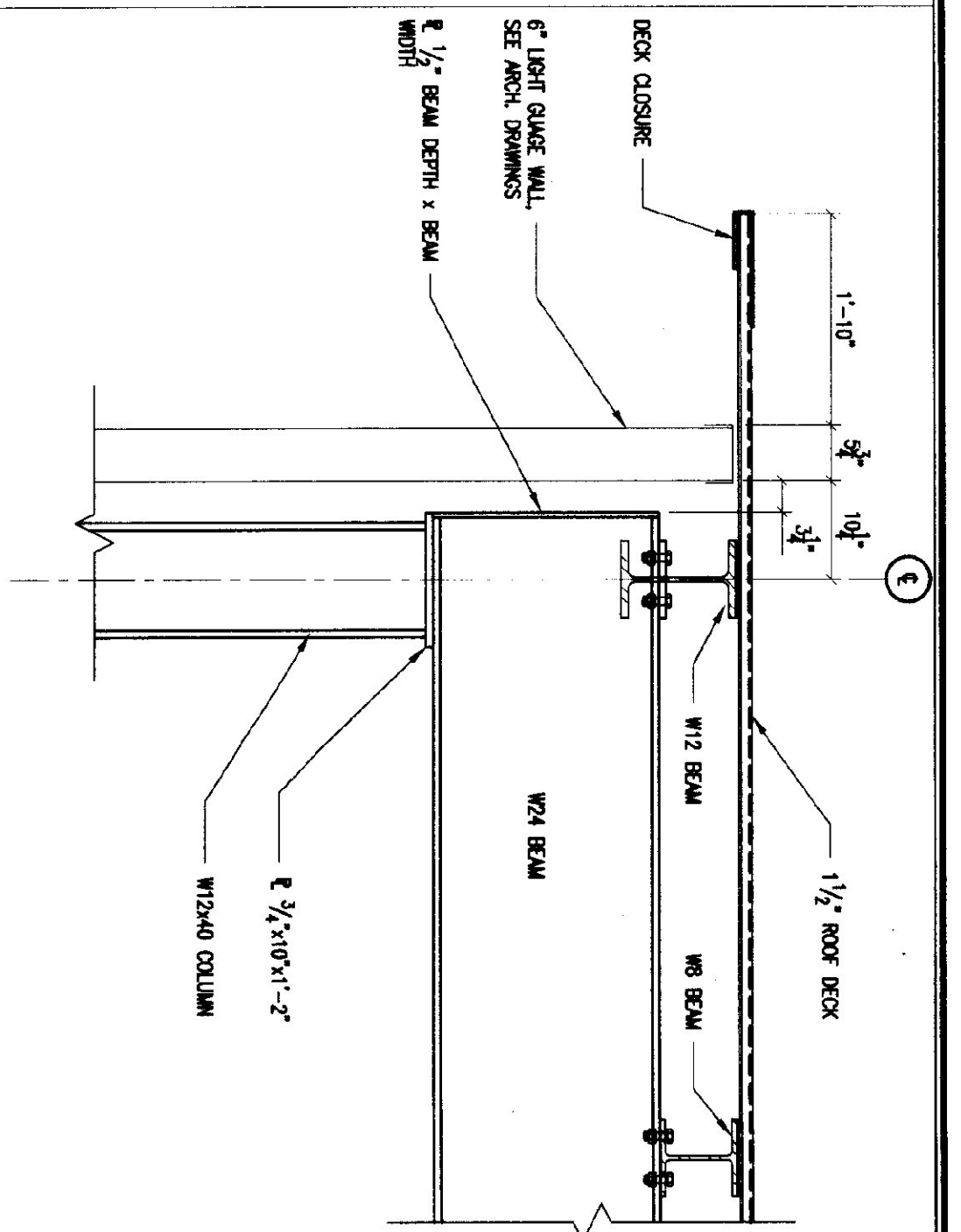
EAVE FRAMING DETAIL AT CMU WALL
2
3/4" = 1'-0"



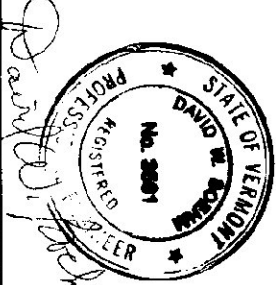
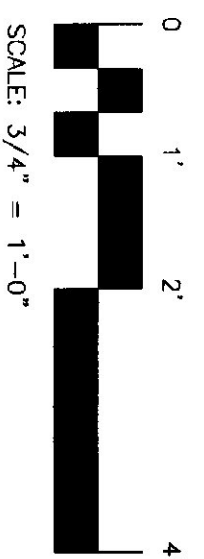
FRAMING DETAIL
6
3/4" = 1'-0"



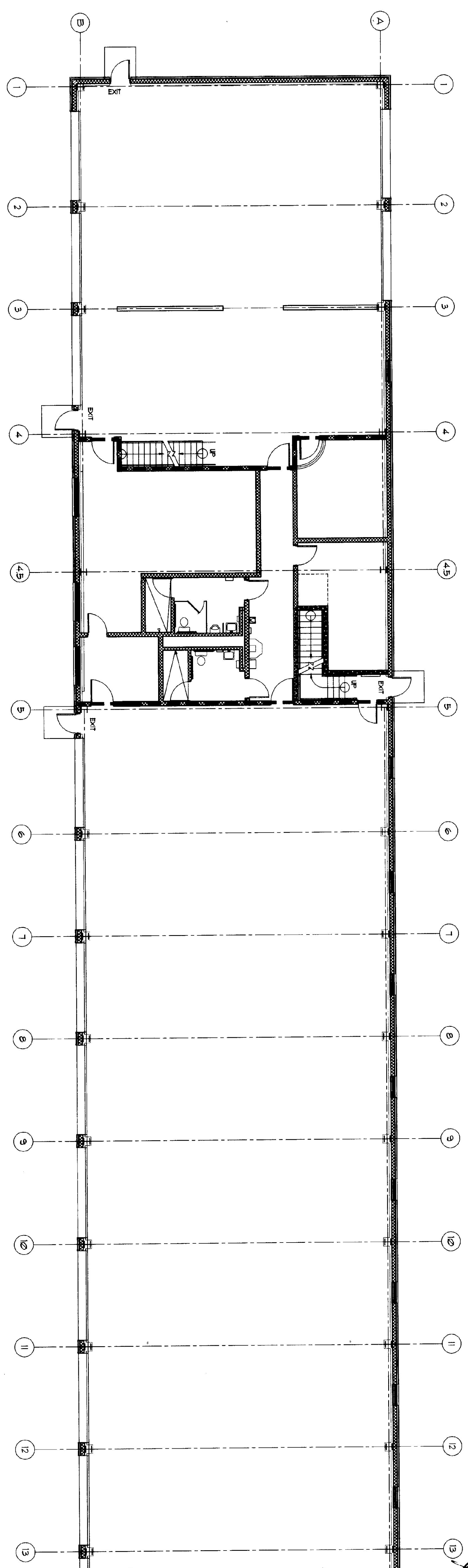
GABLE END FRAMING DETAIL
3
3/4" = 1'-0"



EAVE FRAMING DETAIL AT CMU WALL
4
3/4" = 1'-0"



S-3.1 15 OF 36	SCALE: AS NOTED DATE: OCT 15, 1999 DRAWN BY: KW/JMM APPR. BY: DWB	REVISIONS 1-18-00: Final Rev.	AGENCY OF TRANSPORTATION COLCHESTER MAINTENANCE FACILITY CHIMNEY CORNERS COLCHESTER, VERMONT	STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTPELIER, VERMONT	DORE AND WHITTIER INC. ARCHITECTS • PROJECT MANAGERS 096 WILLETTON ROAD • SOUTH BURLINGTON • VERMONT 7 Kilburn Street Burlington, VT 05401 Tel: 802.865.8888 Fax: 802.865.8888 Email: dore@whittier.com
	COLCHESTER MAINTENANCE GARAGE DETAILS	STATE OF VERMONT PROFESSIONAL ENGINEER DAVID J. WHITTIER LICENSE NO. 10000			
	SCALE: 3/4" = 1'-0"	REVISIONS			
	SCALE: AS NOTED	REVISIONS			



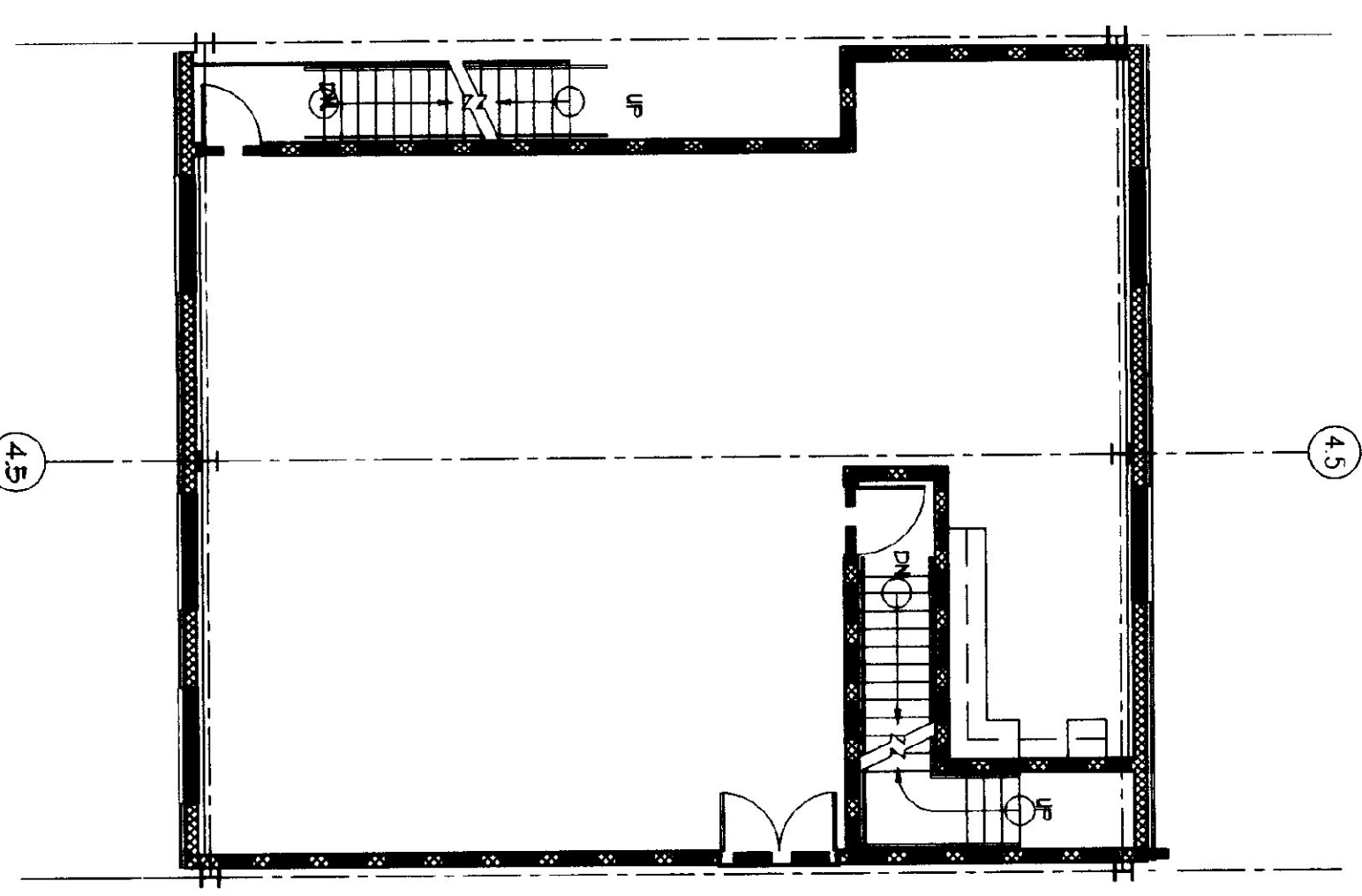
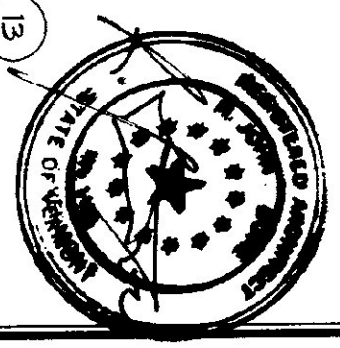
MAIN LEVEL PLAN

1/8" = 1'-0"



REF. NORTH SCALE: 1/8" = 1'-0"

MATCH LINE - FOR CONTINUATION
SEE PLAN BELOW



MEZZANINE PLAN

1/8" = 1'-0"

BOCA BUILDING REQUIREMENTS - 1987 EDITION

OCCUPANCY TYPE: S1 - STORAGE, ORDINARY HAZARD
CONSTRUCTION TYPE: 2C UNPROTECTED
HEIGHT AND AREA LIMITATIONS
2 STORIES AT 30'
8400 SF

ALLOWED AREA INCREASE

DEVELOPED AREA
12000 SF
AUTOMATIC FIRE SUPPRESSION MODIFICATION
8400 SF X 1.5 = 12600 SF
TOTAL ALLOWED AREA
8400 SF + 12600 SF = 21000 SF

CONSTRUCTION REQUIREMENTS FOR TYPE 2C SPRINKLERED
FIRE SEPARATION WALLS 1 HOUR
FIRE ENCLOSED EXITS AND STAIRWAYS 1 HOUR
EXIT ACCESS CORRIDORS 0 HOURS
INTERIOR BEARING WALLS, COLUMNS, FLOOR TRUSSES 0 HOURS
STRUCTURAL MEMBERS SUPPORTING WALL 0 HOURS
FLOOR CONSTRUCTION 0 HOURS
ROOF CONSTRUCTION INCLUDING BEAMS, TRUSSES, ROOF DECKS 0 HOURS
INTERIOR DOORS TO BE 1/2 HOUR FIRE RATING

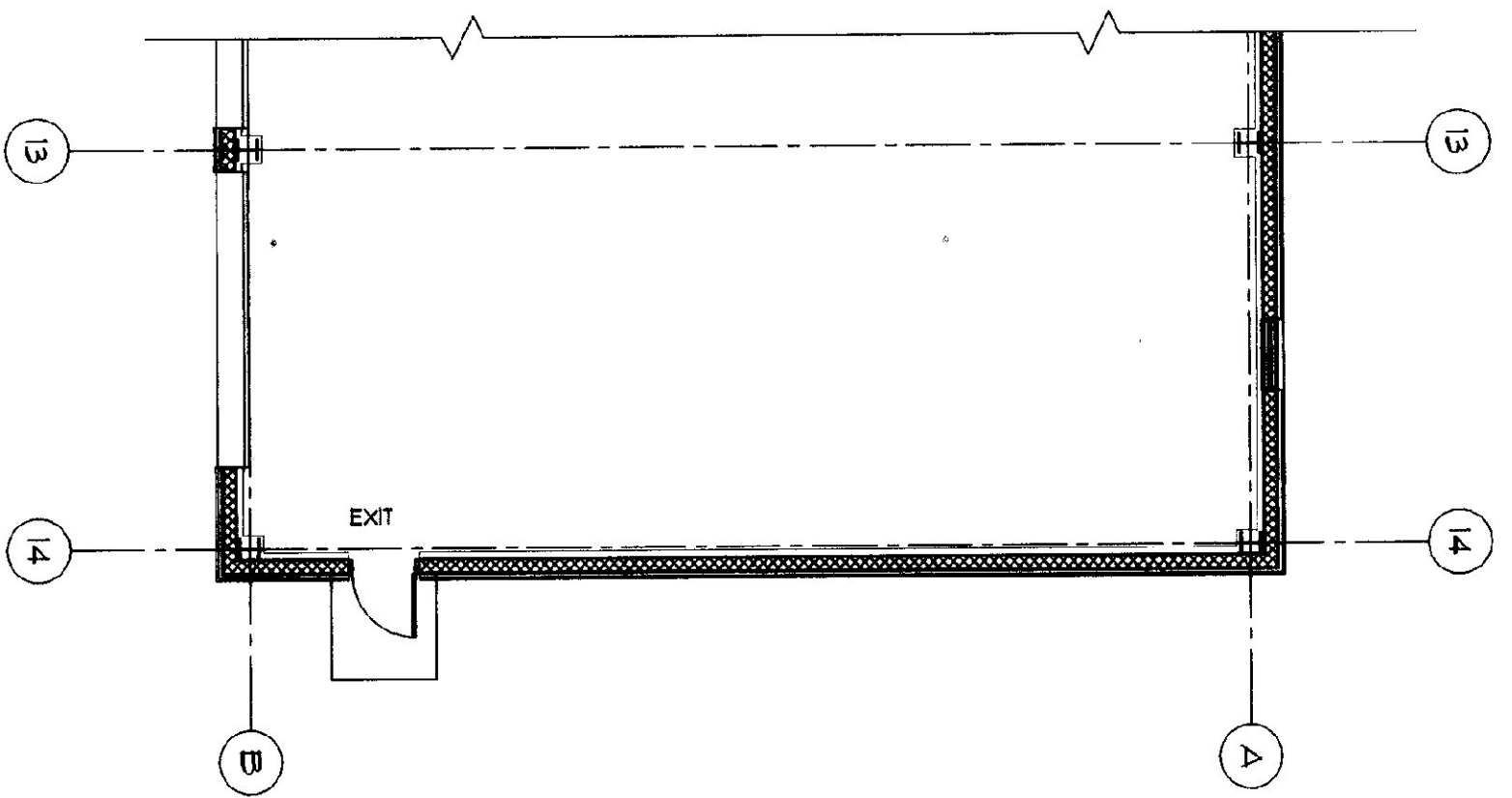
NFPA 101 BUILDING REQUIREMENTS - 1994 EDITION

CLASSIFICATION - STORAGE, ORDINARY HAZARD
EXITS REQUIRED - MIN. 3 REQUIRED
MAX. TRAVEL DISTANCE TO EXITS 400 FEET
DEAD END CORRIDORS NOT EXCEED 80 FEET
CUTION PATH FOR ORDINARY HAZARD 80 FEET
CLASS 1 - FINISH REQUIRED

DESIGN FLOOR LOAD OF MEZZANINE - 125 PSF

LEGEND

--- ONE HOUR FIRE SEPARATION WALL



AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
COLCHESTER, VERMONT

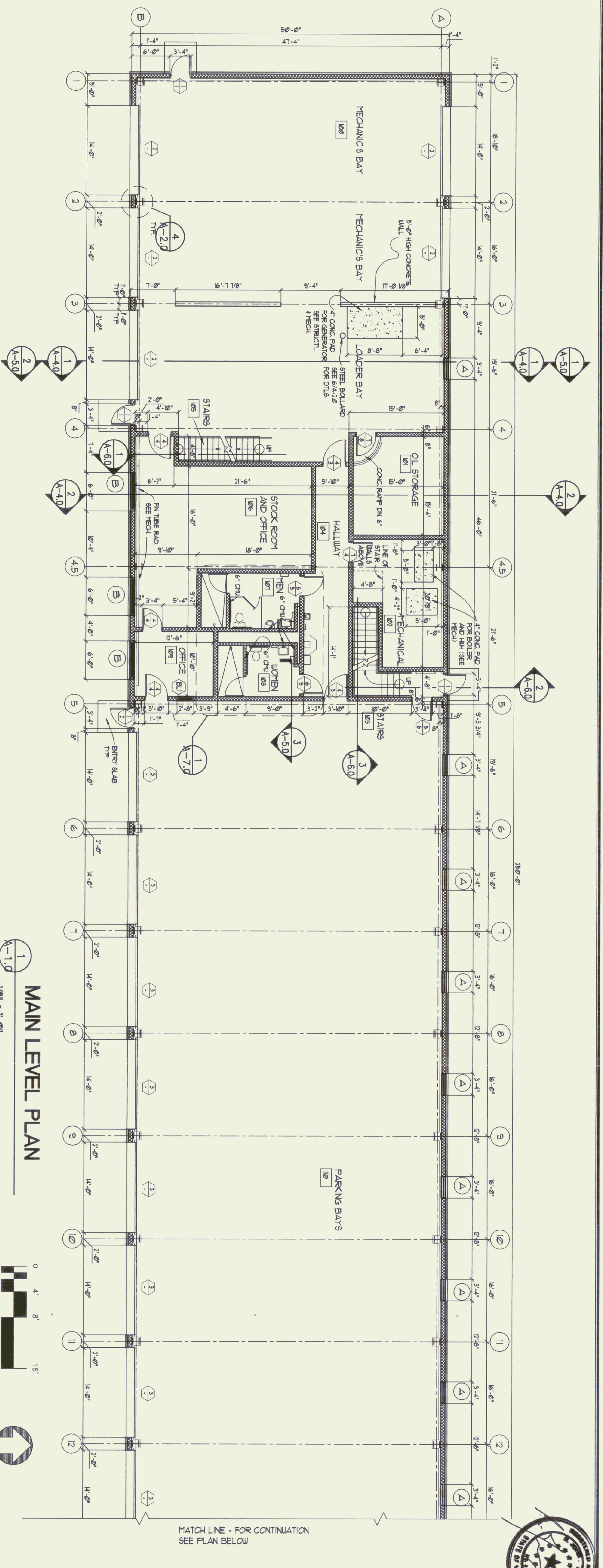


STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT



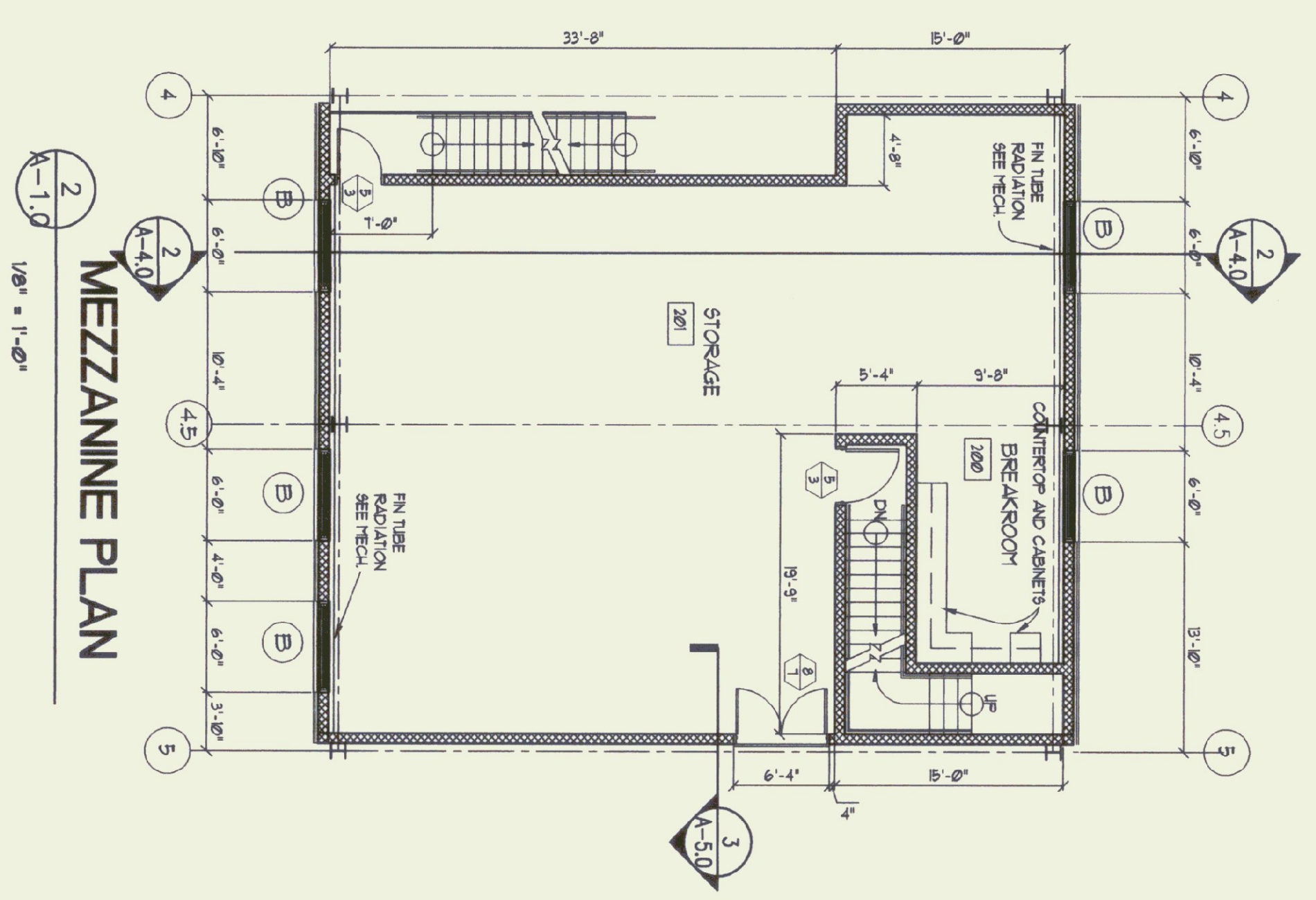
DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
706 WELLSFORD ROAD, SOUTH BURLINGTON, VERMONT

CODE PLANS MAINTENANCE GARAGE A-0.1 17 OF 36	REVISIONS 1/2000
	SCALE: 1/8" = 1'-0"
	DATE: 15 OCT. 1999
	DRAWN BY: NTD APPR. BY: NTD



MAIN LEVEL PLAN
 1/8" = 1'-0"
 SCALE: 1/8" = 1'-0"

NOTES:
 SEE SHEET A-1.2 FOR WINDOW TYPES
 SEE SHEET A-1.2 FOR BORROWED LITE INFORMATION
 SEE SHEET A-1.2 FOR DOOR SCHEDULE AND DETAILS
 ALL INTERIOR PARTITIONS ARE 5" C/U UNLESS OTHERWISE NOTED
 CONC. PADS FOR GENERATOR, BOILER AND HUH BY G.C.
 SEE STRUCTURAL DRAWINGS FOR FIN FLOOR ELEVATIONS

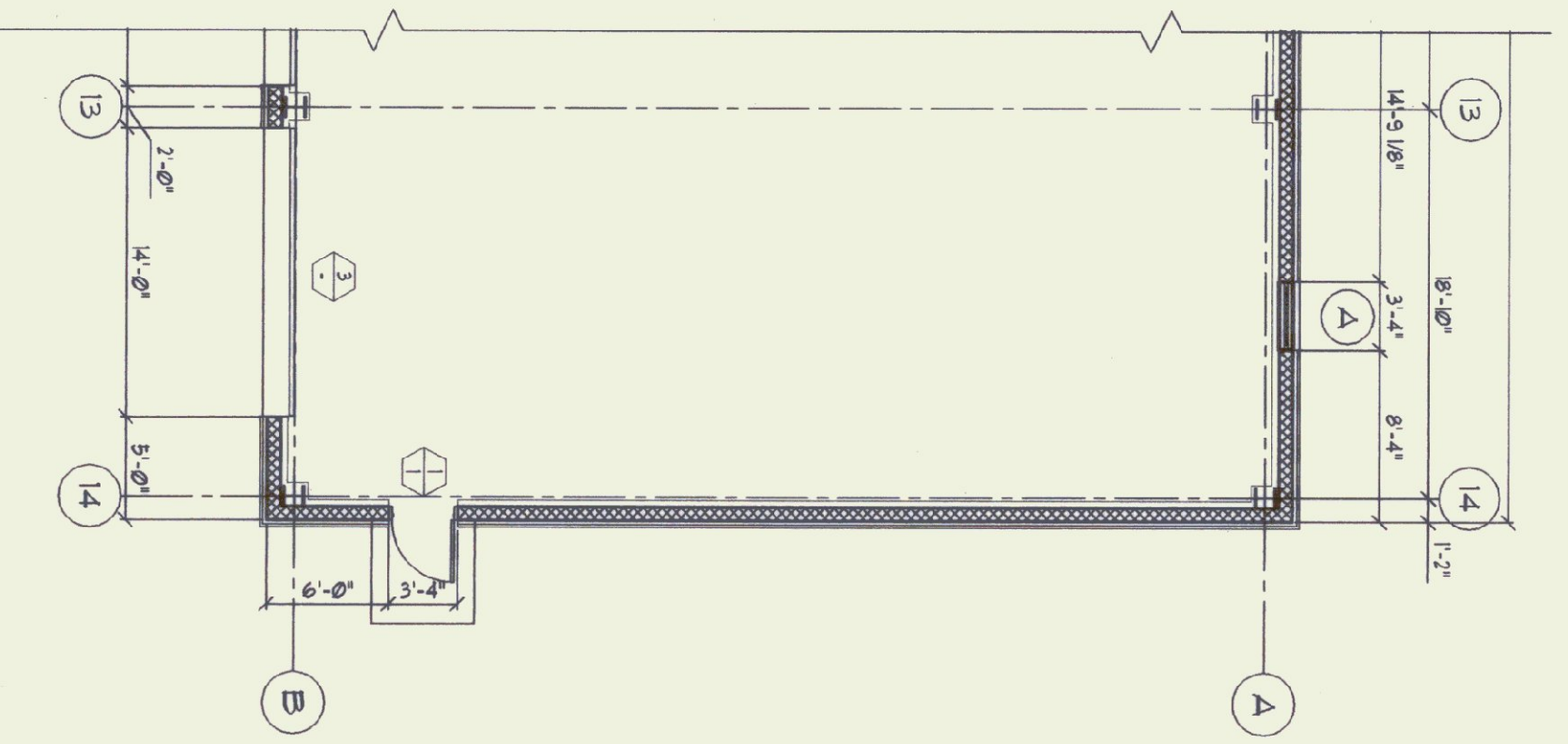


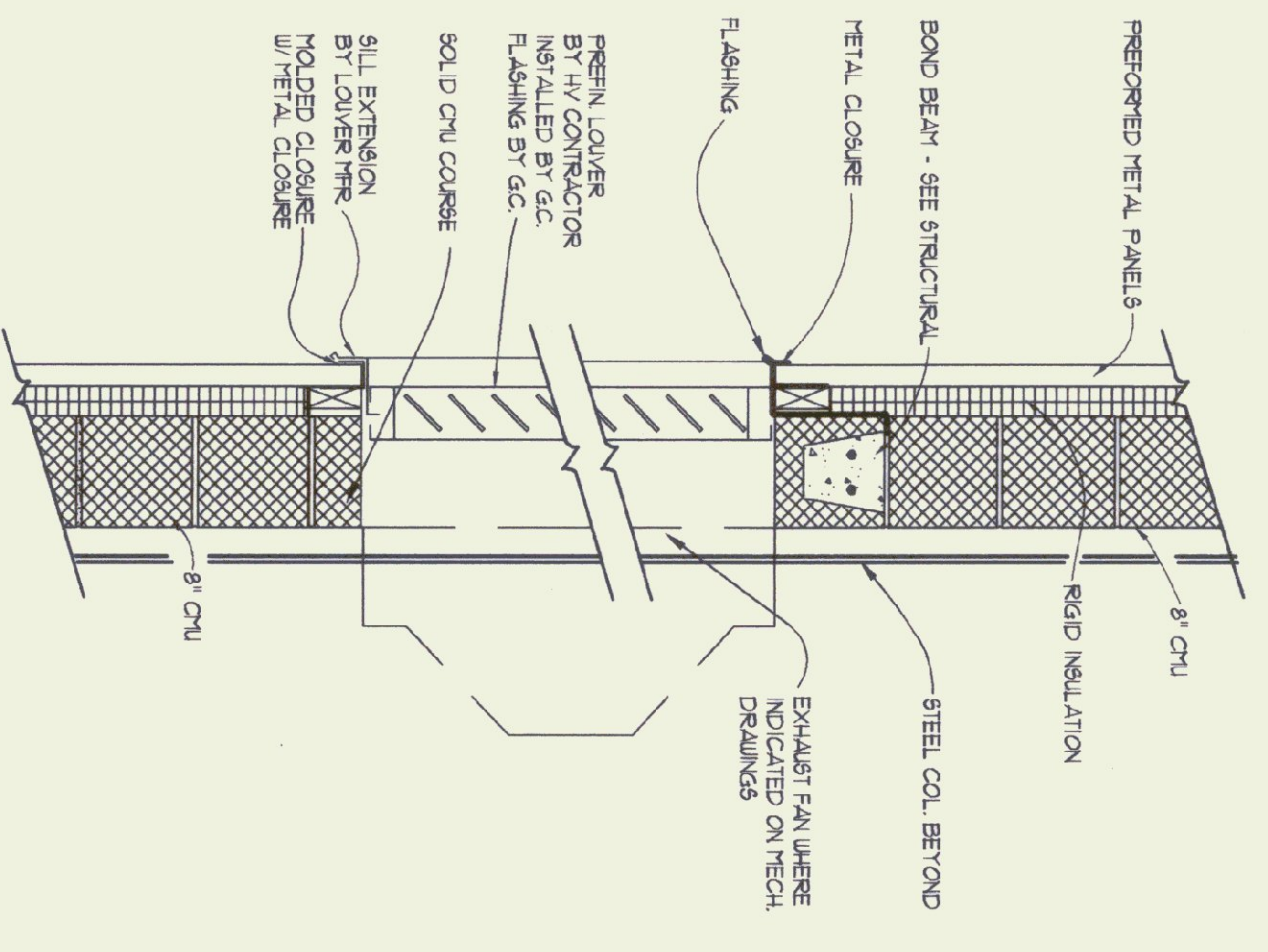
MEZZANINE PLAN
 1/8" = 1'-0"

ROOM FINISH SCHEDULE

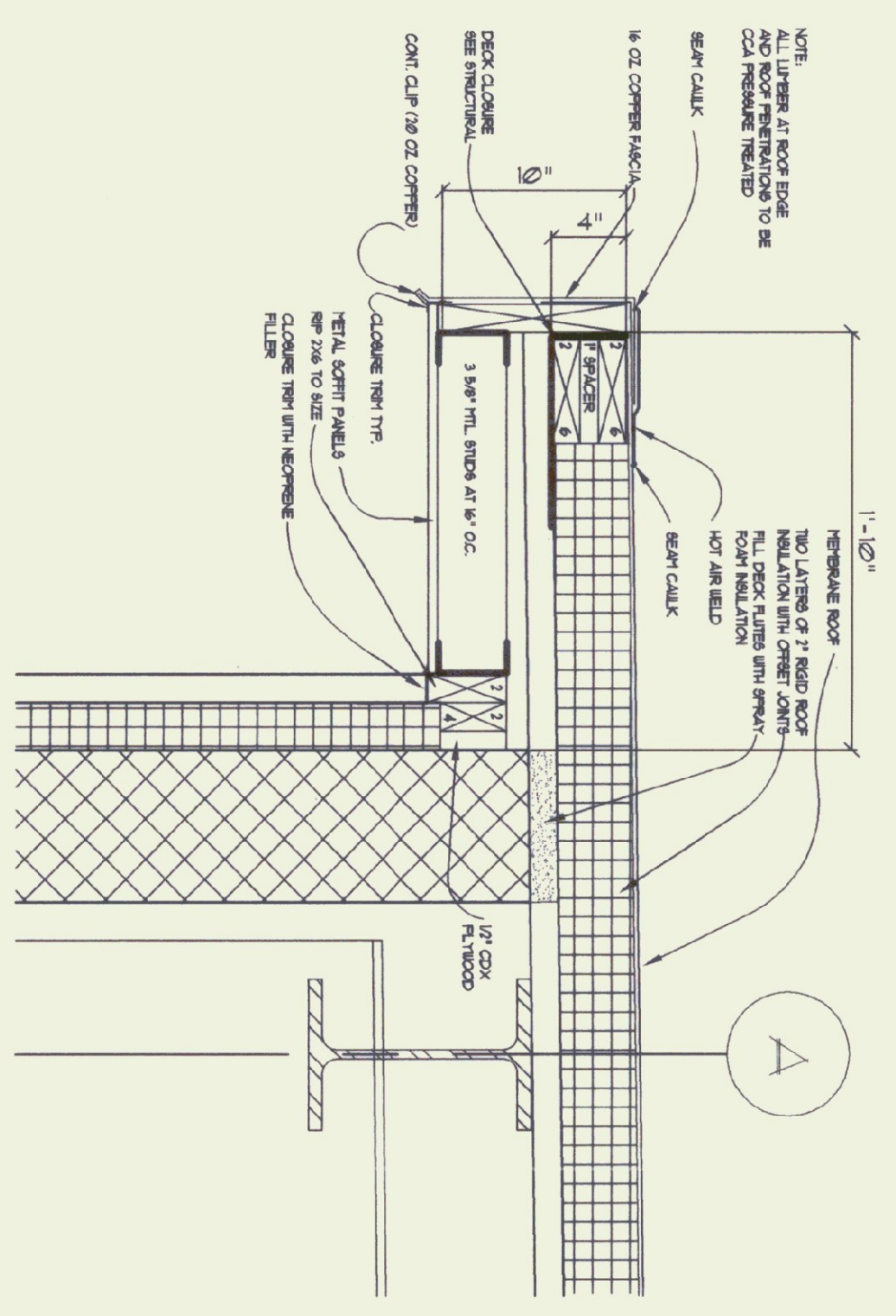
NO.	ROOM TYPE	FLOOR MATERIAL	FINISH	BASE MATERIAL	WALL MATERIAL	FINISH	CEILING MATERIAL	FINISH	BEAMERS
100	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
101	Oil Storage	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
102	Refrigerator	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
103	Stairs	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
104	Stairs	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
105	Stairs	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
106	Stock Rm Office	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
107	Office	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
108	Office	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
109	Office	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
110	Parking Bays	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
111	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
112	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
113	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
114	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
115	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
116	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
117	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
118	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
119	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	
120	Mechanics Bay	CONC.	SEAL FLANG	CONC.	CHL	PT	EXPOSED STRUCTURE	PT	

TYPICAL NOTES:
 1. FINISH ALL HOLD-UP METALS AND TRIM WITH AN ANTI-RUST PREPARATION.
 2. FINISH ALL HOLD-UP METALS AND TRIM WITH AN ANTI-RUST PREPARATION.
 3. REFER TO FLOOR PLANS FOR LOCATION OF WALL TYPES AND WALL MATERIAL.
 4. DO NOT PAINT ELEC. CONDUIT. PRESERVE OTHER TECH. EQUIP. PAINT WALL PRIOR TO INSTALLATION OF CONDUIT AND TRIM.

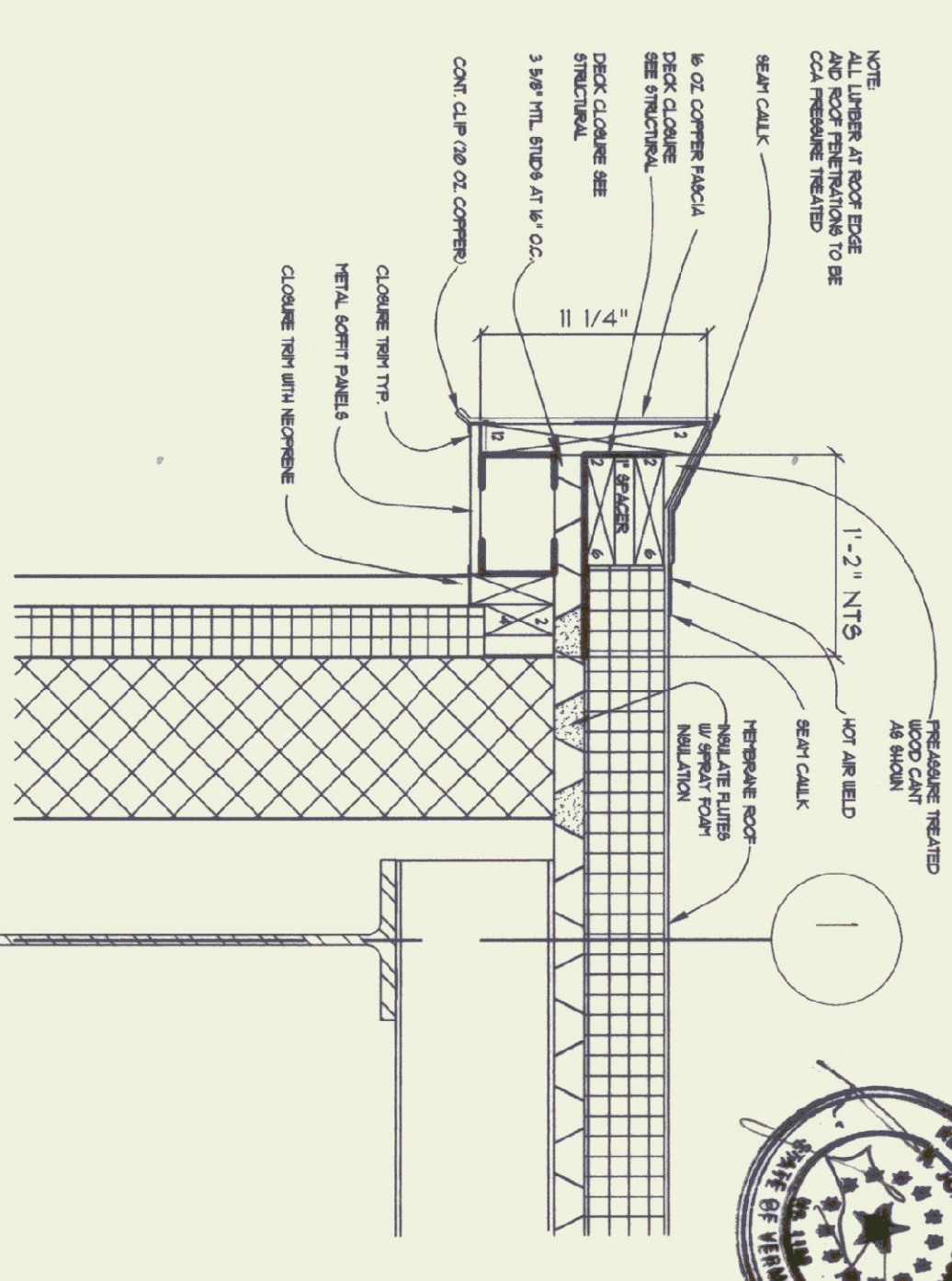




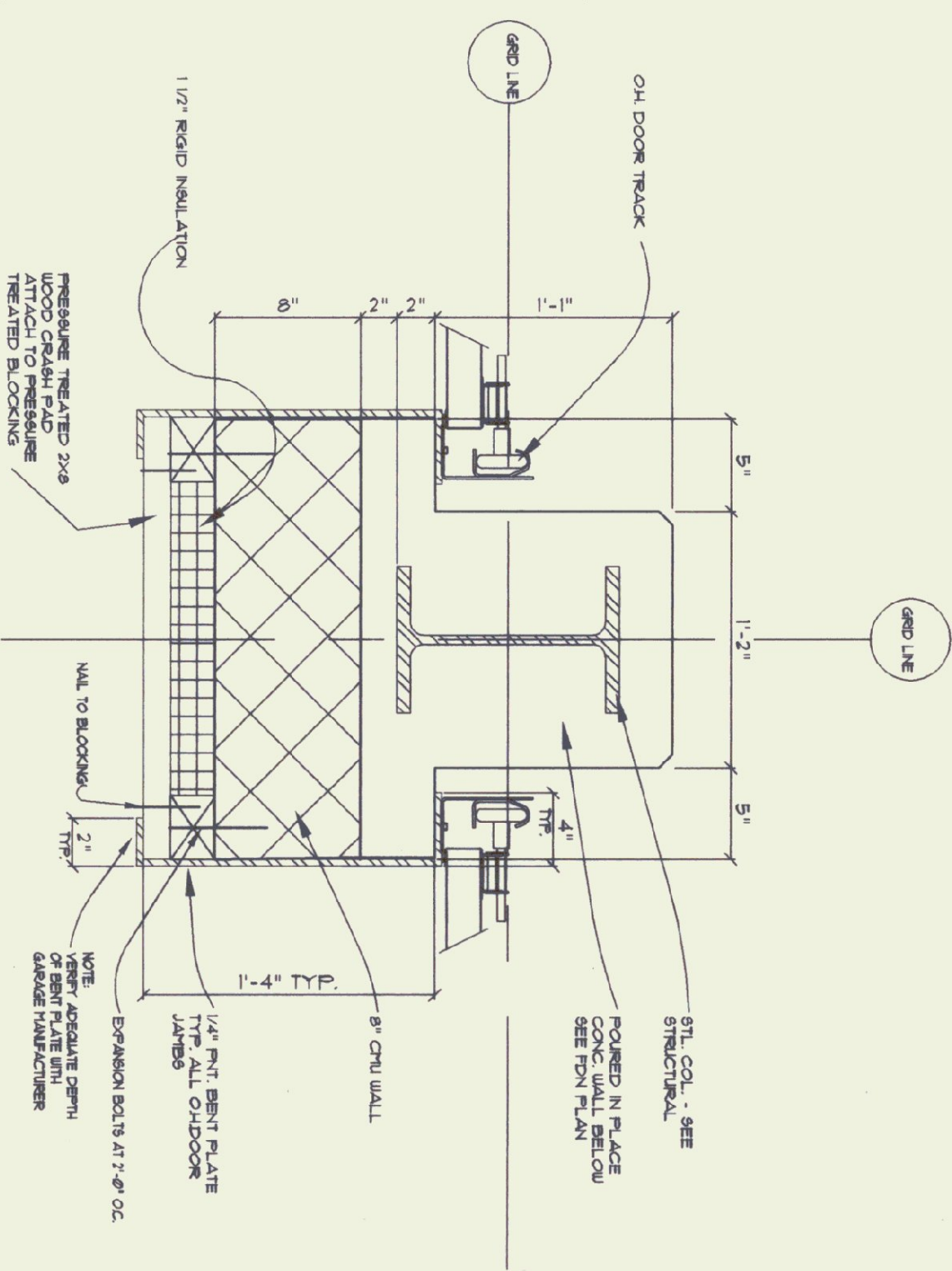
5
A-2.0
TYP. LOWER SECTION
1" = 1'-0"



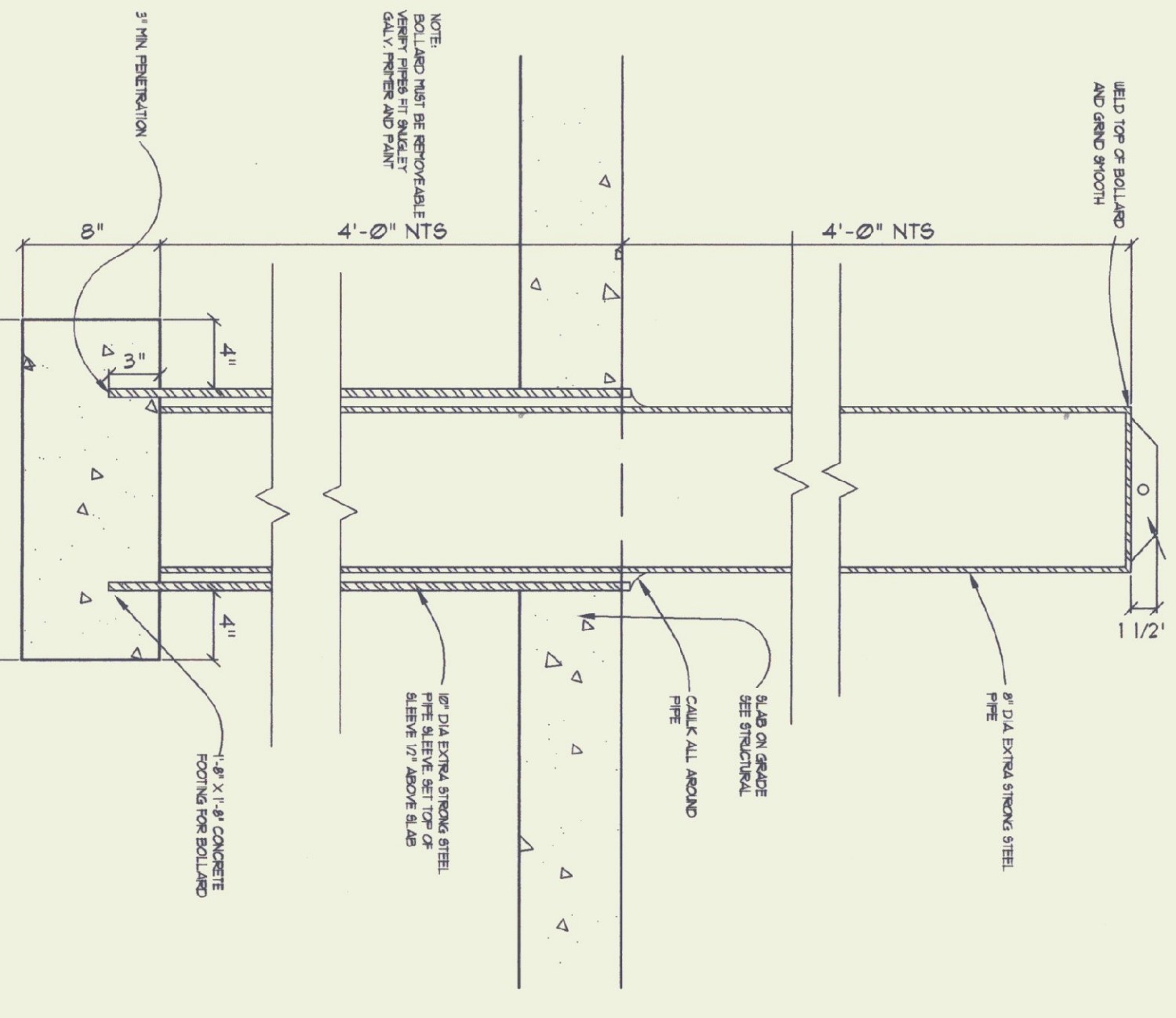
2
A-2.0
TYP. ROOF EAVE SECT.
1 1/2" = 1'-0"



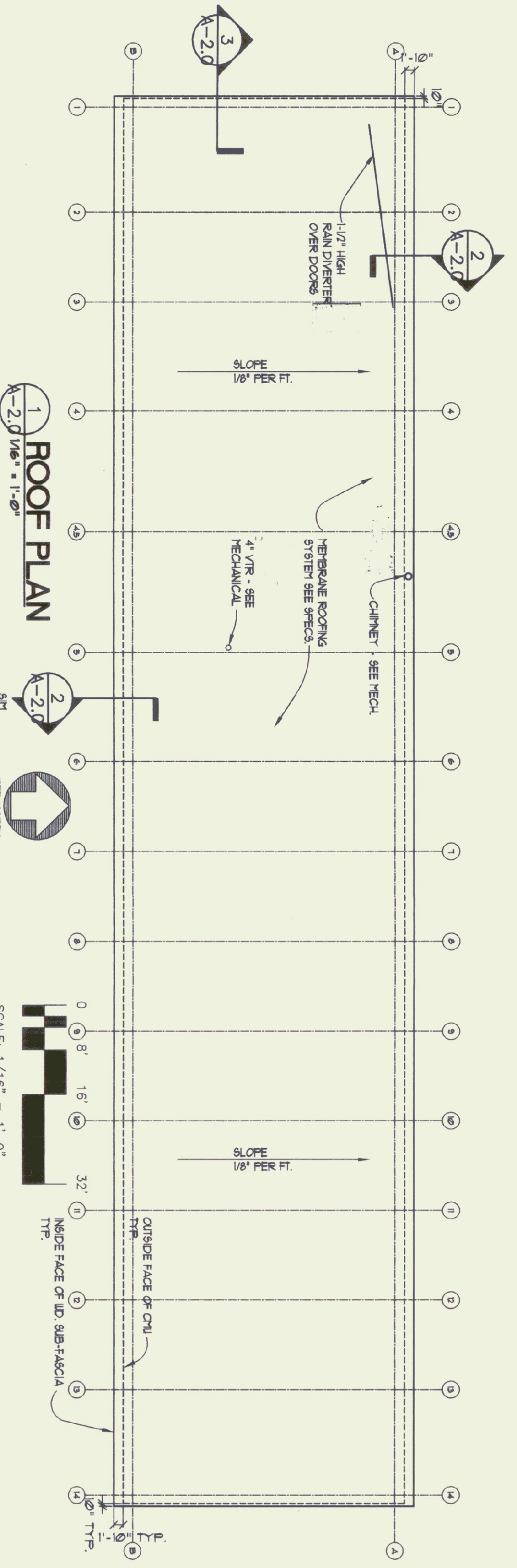
3
A-2.0
TYP. ROOF SECTION
1 1/2" = 1'-0"



4
A-2.0
O.H. DOOR JAMB DETAIL
1 1/2" = 1'-0"



6
A-2.0
BOLLARD SECT. TYP.
1 1/2" = 1'-0"



1
A-2.0
ROOF PLAN
1/8" = 1'-0"



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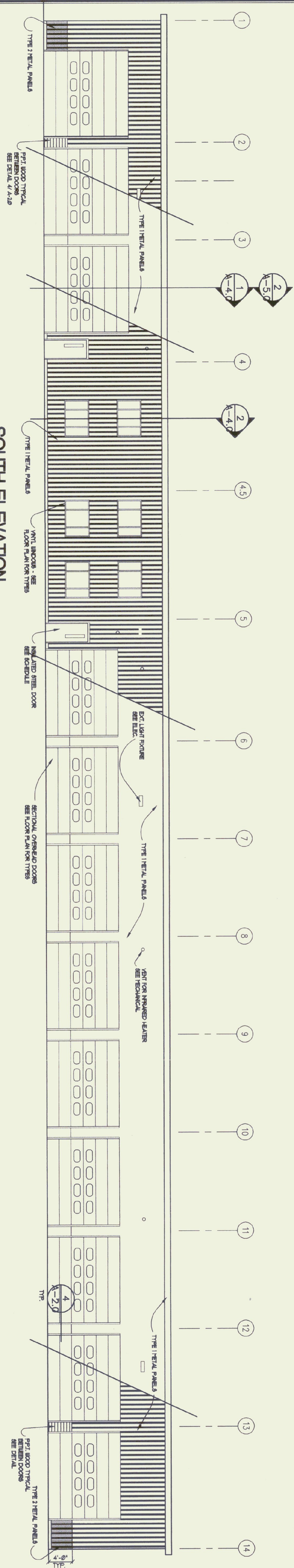
AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
VERMONT

REVISIONS
1/18/2000

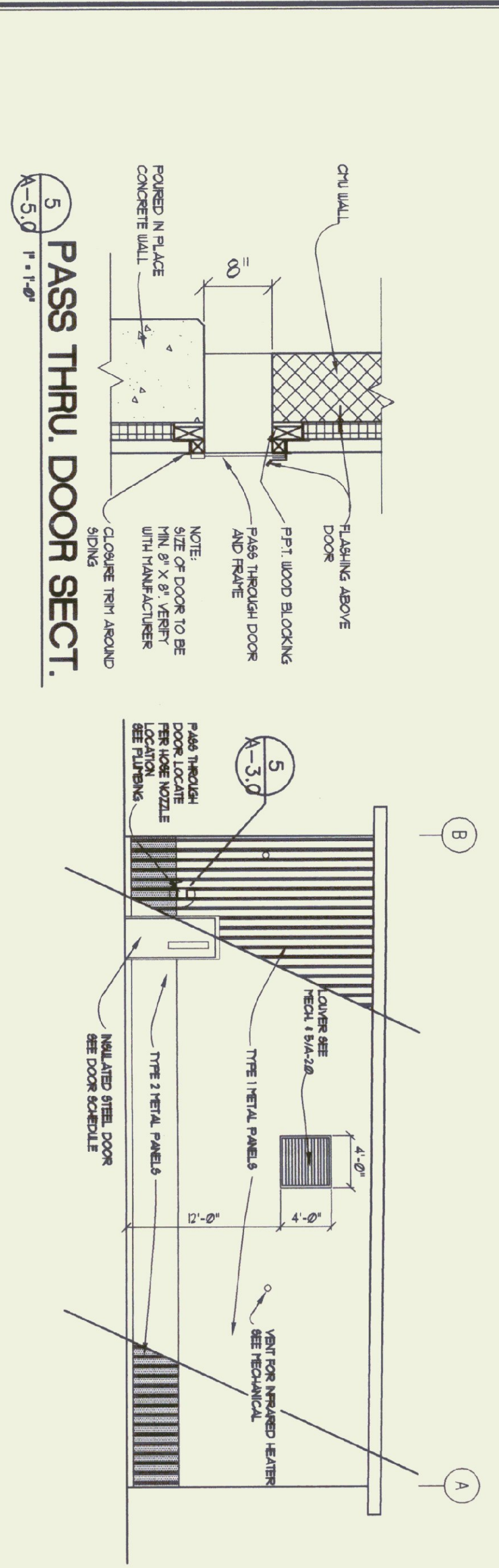
SCALE: AS NOTED
DATE: 15 OCT. 1999
DRAWN BY: NTD
APPR. BY: NTD

COLCHESTER
MAINTENANCE
GARAGE
ROOF PLAN
DETAILS
MISC. DETAILS

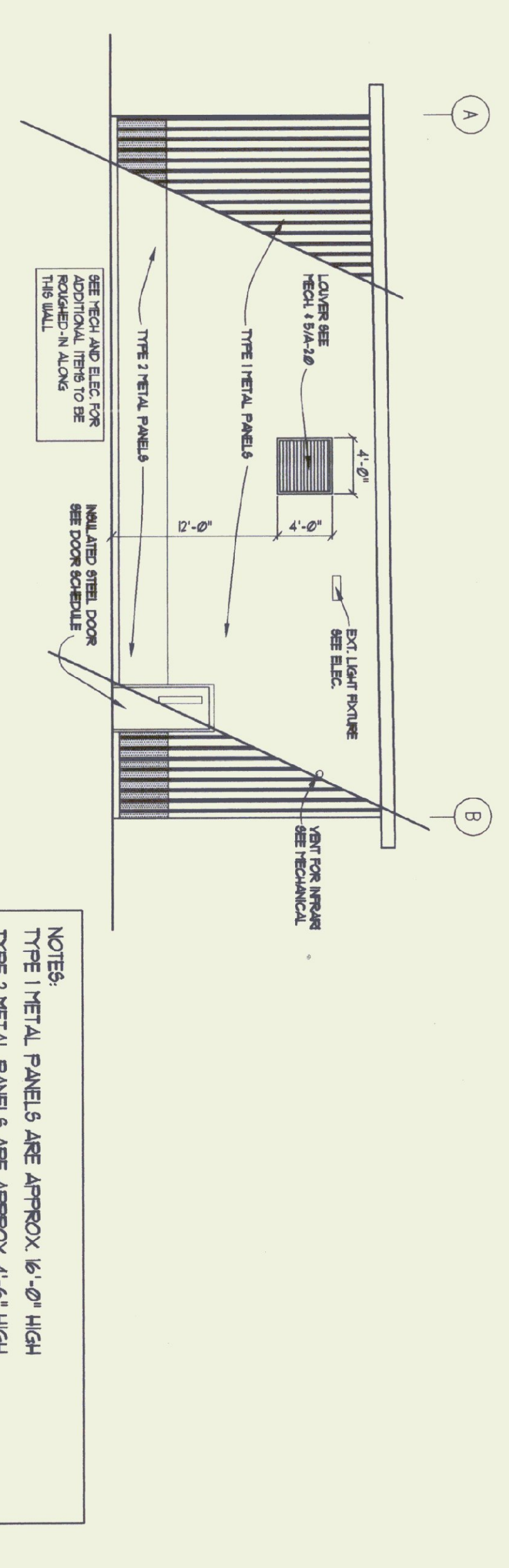
A-2.0



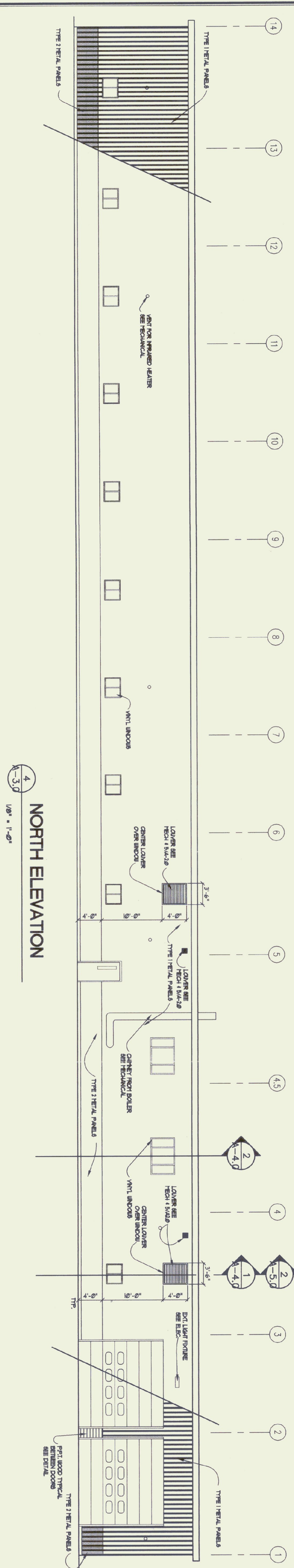
SOUTH ELEVATION
1/8" = 1'-0"



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



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



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

NOTES:
TYPE 1 METAL PANELS ARE APPROX. 16'-0" HIGH
TYPE 2 METAL PANELS ARE APPROX. 4'-6" HIGH
VERIFY METAL PANELS 1 OVERLAP MIN. 6" OVER METAL PANELS 2
LOWERS AND VENTS BY HV CONTRACTOR INSTALLATION AND FLASHING BY G.C.



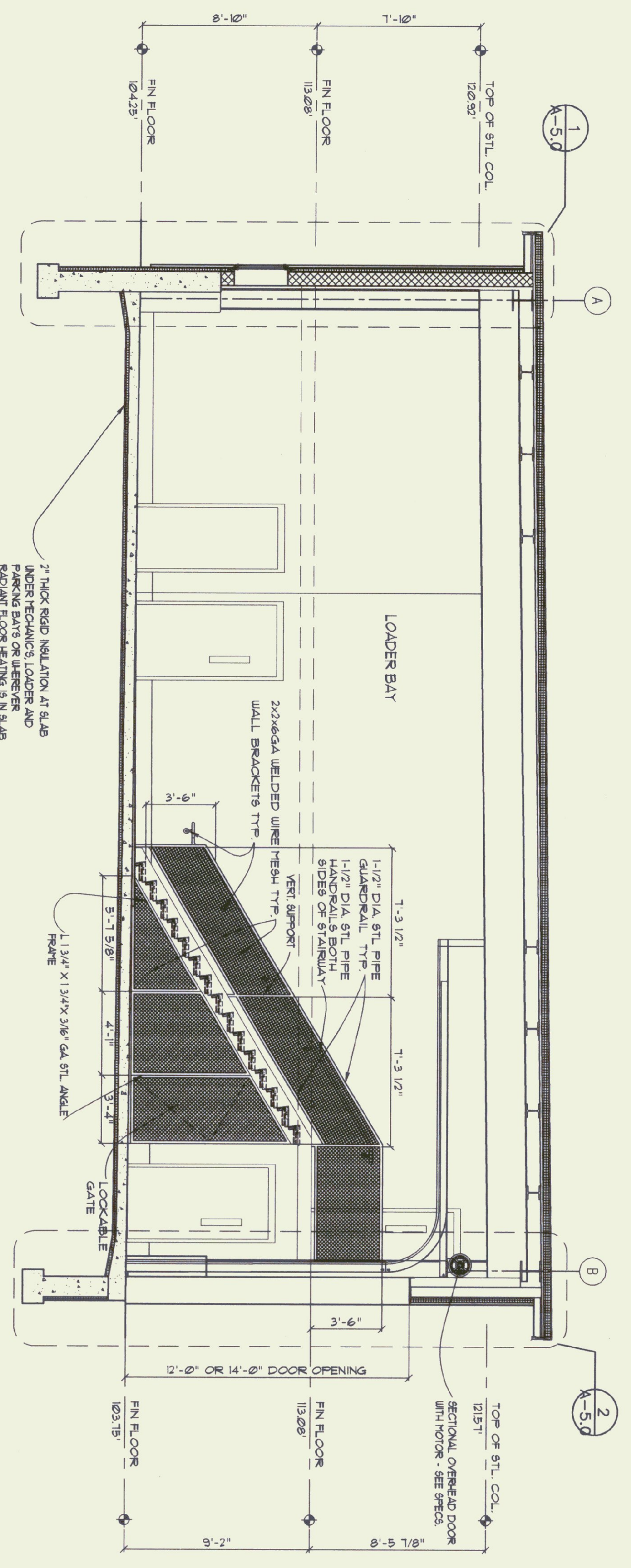
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DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
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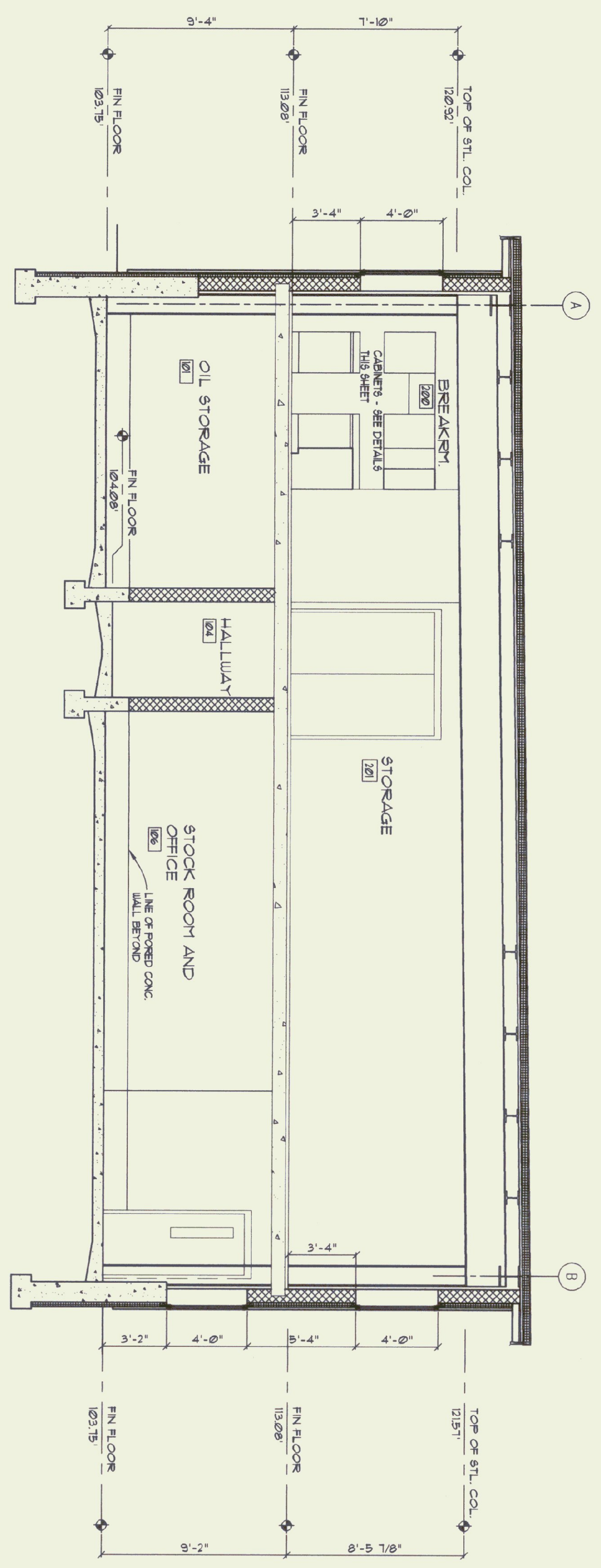
AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
VERMONT
COLCHESTER,

SCALE: 1/8" = 1'-0"	REVISIONS
DATE: 15 OCT. 1999	1/19/2000
DRAWN BY: N/D	
APPR. BY: N/D	

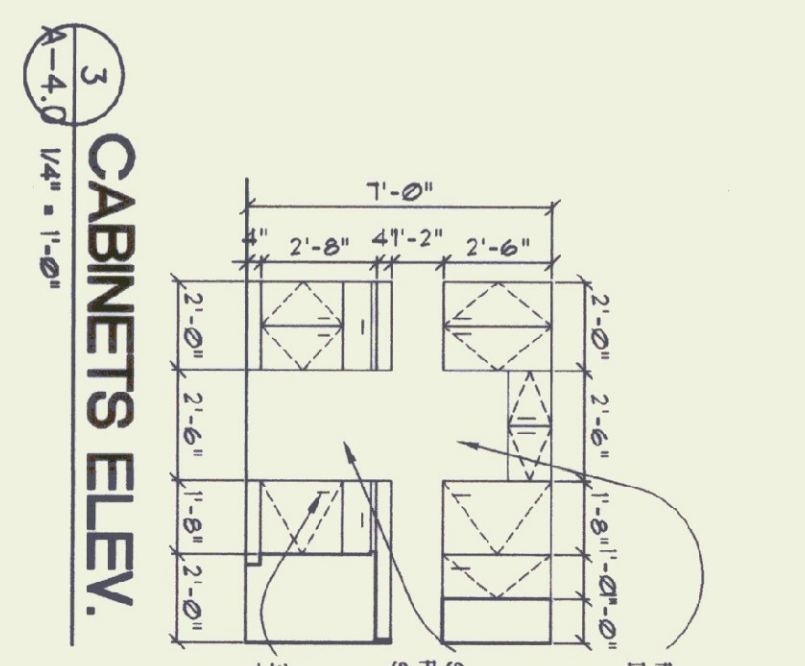
COLCHESTER
MAINTENANCE
GARAGE
BLDG. ELEV.



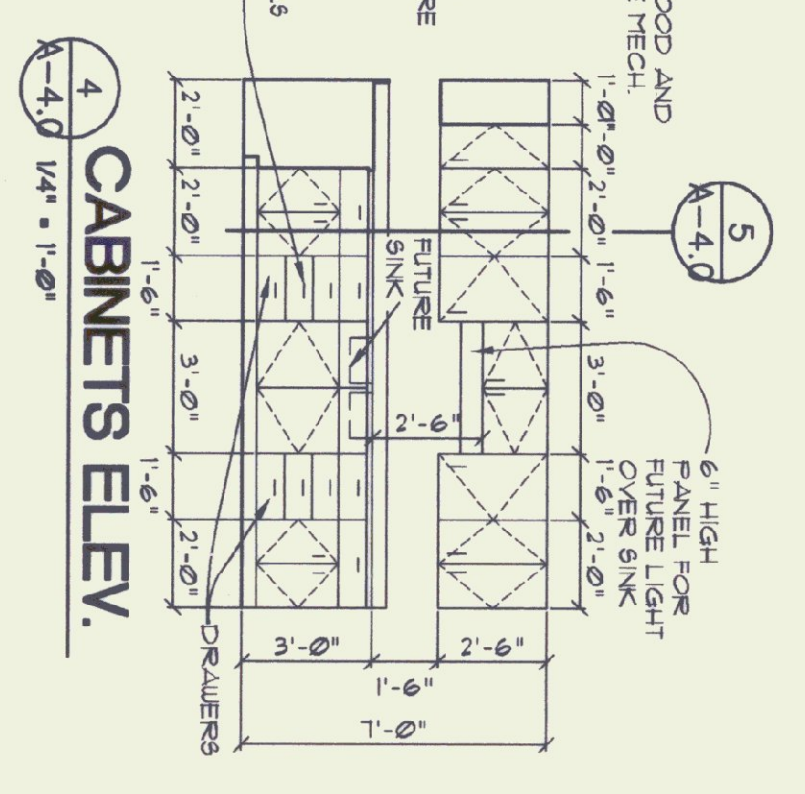
1
A-4.0
BUILDING SECTION
1/4" = 1'-0"



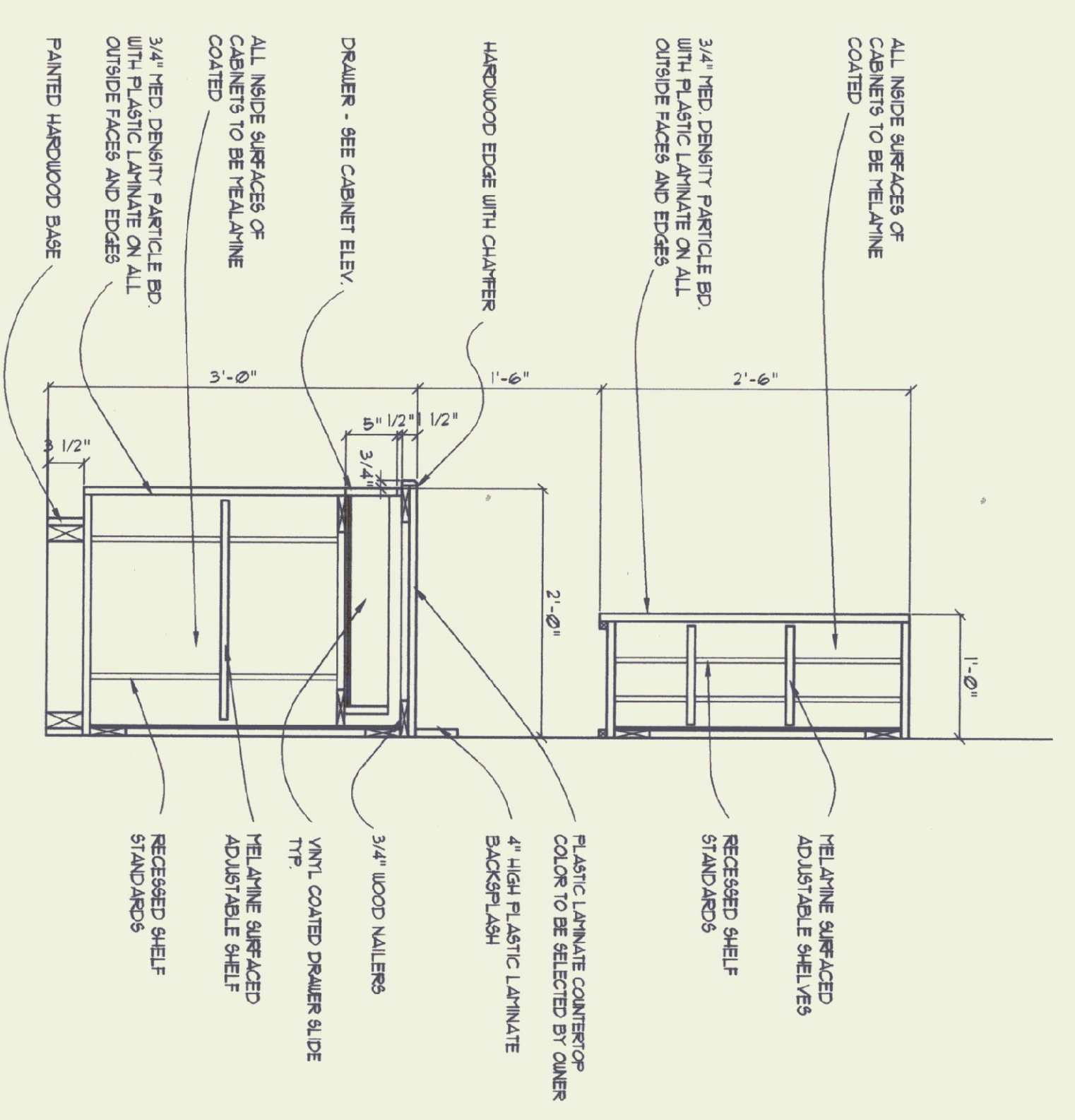
2
A-4.0
BUILDING SECTION
1/4" = 1'-0"



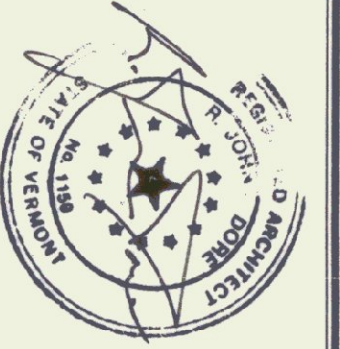
3
A-4.0
CABINETS ELEV.
1/4" = 1'-0"



4
A-4.0
CABINETS ELEV.
1/4" = 1'-0"



5
A-4.0
TYP. CABINET SECT.
1/4" = 1'-0"



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AGENCY OF ADMINISTRATION
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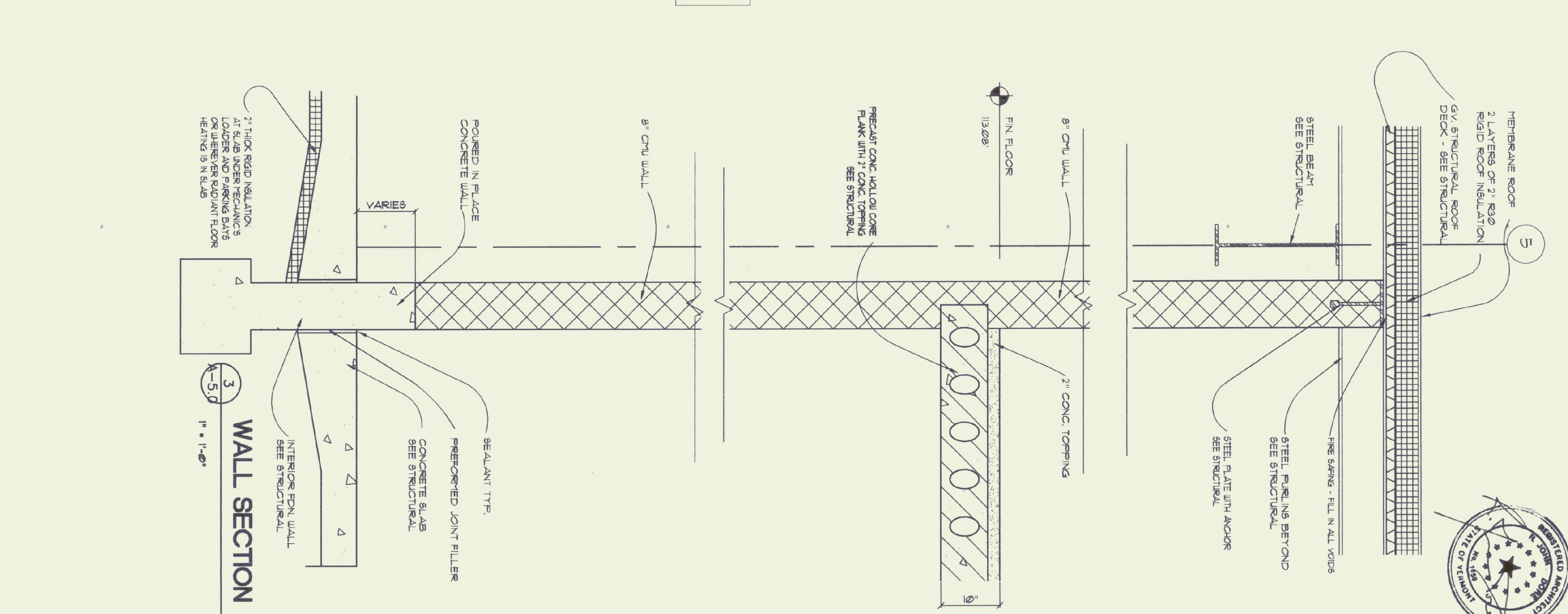
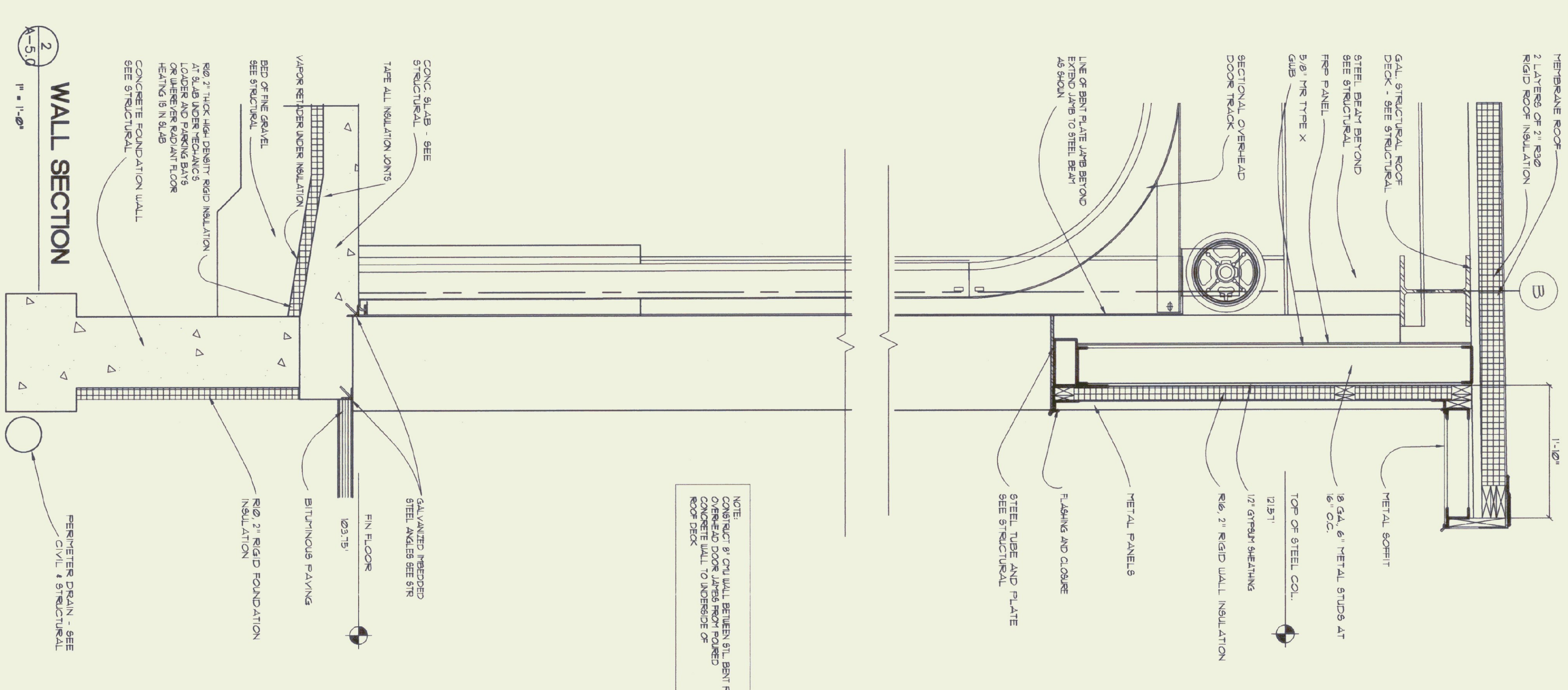
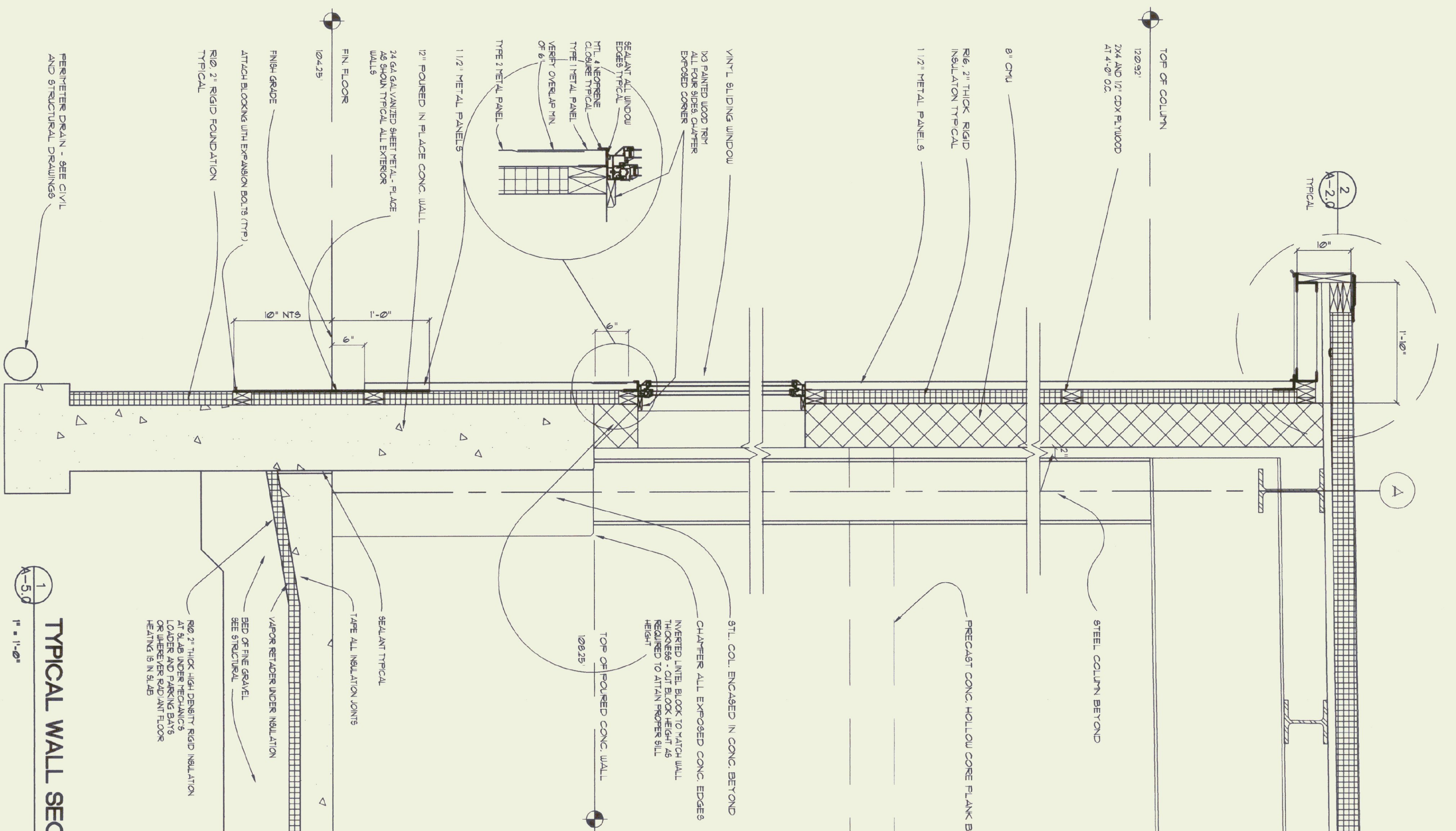


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COLCHESTER, VERMONT

REVISIONS	DATE	BY	APPR.
2000	15 OCT. 1999	AM/D	AM/D

SCALE: AS NOTED

COLCHESTER
MAINTENANCE
GARAGE



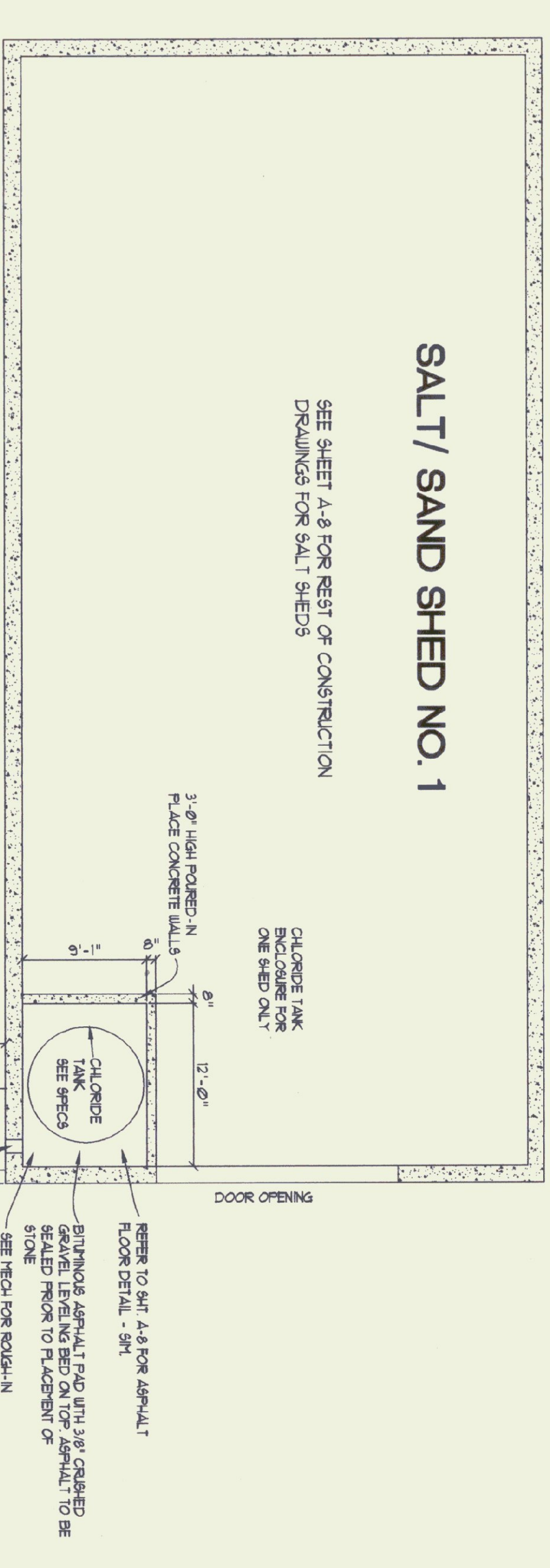
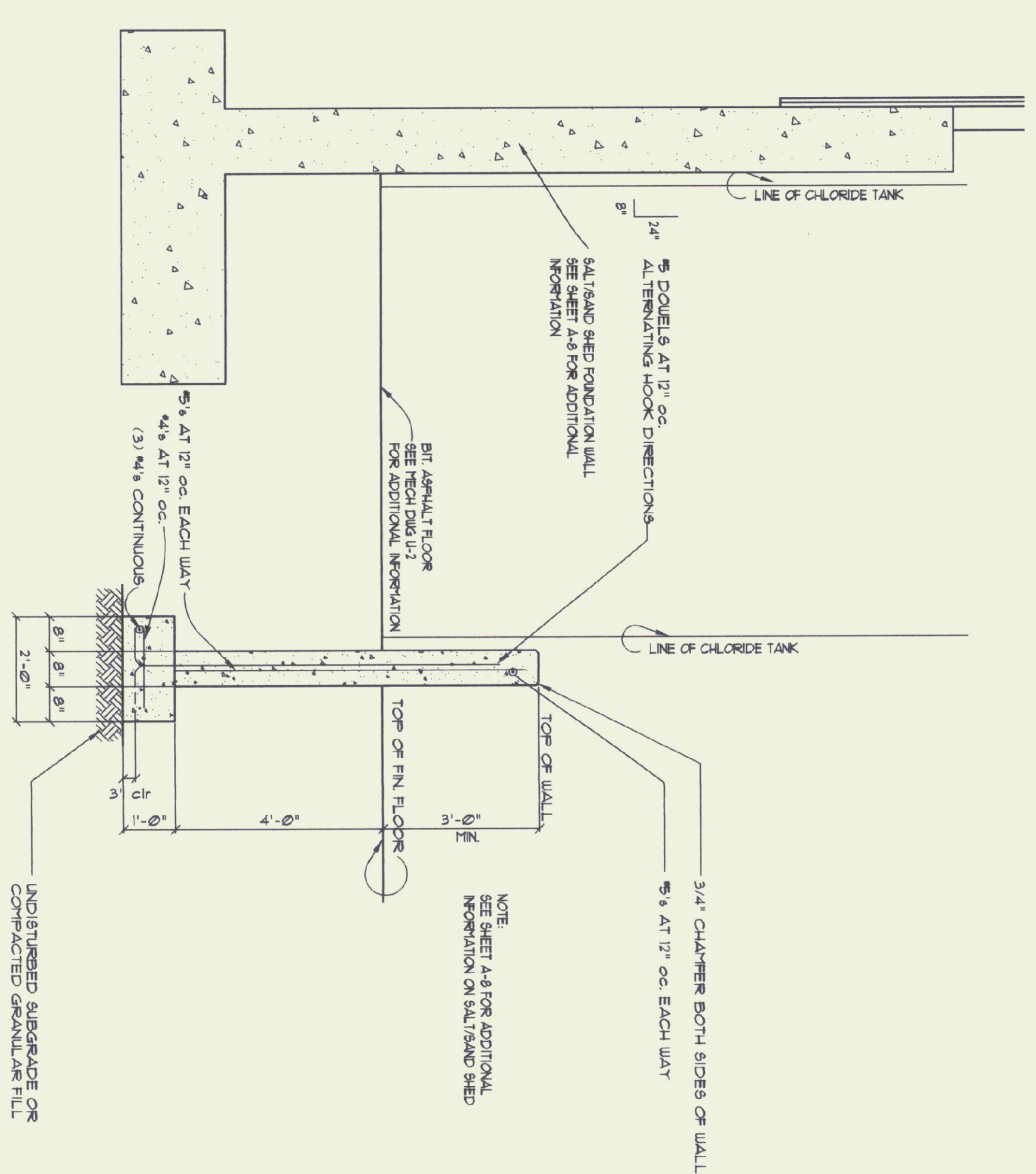
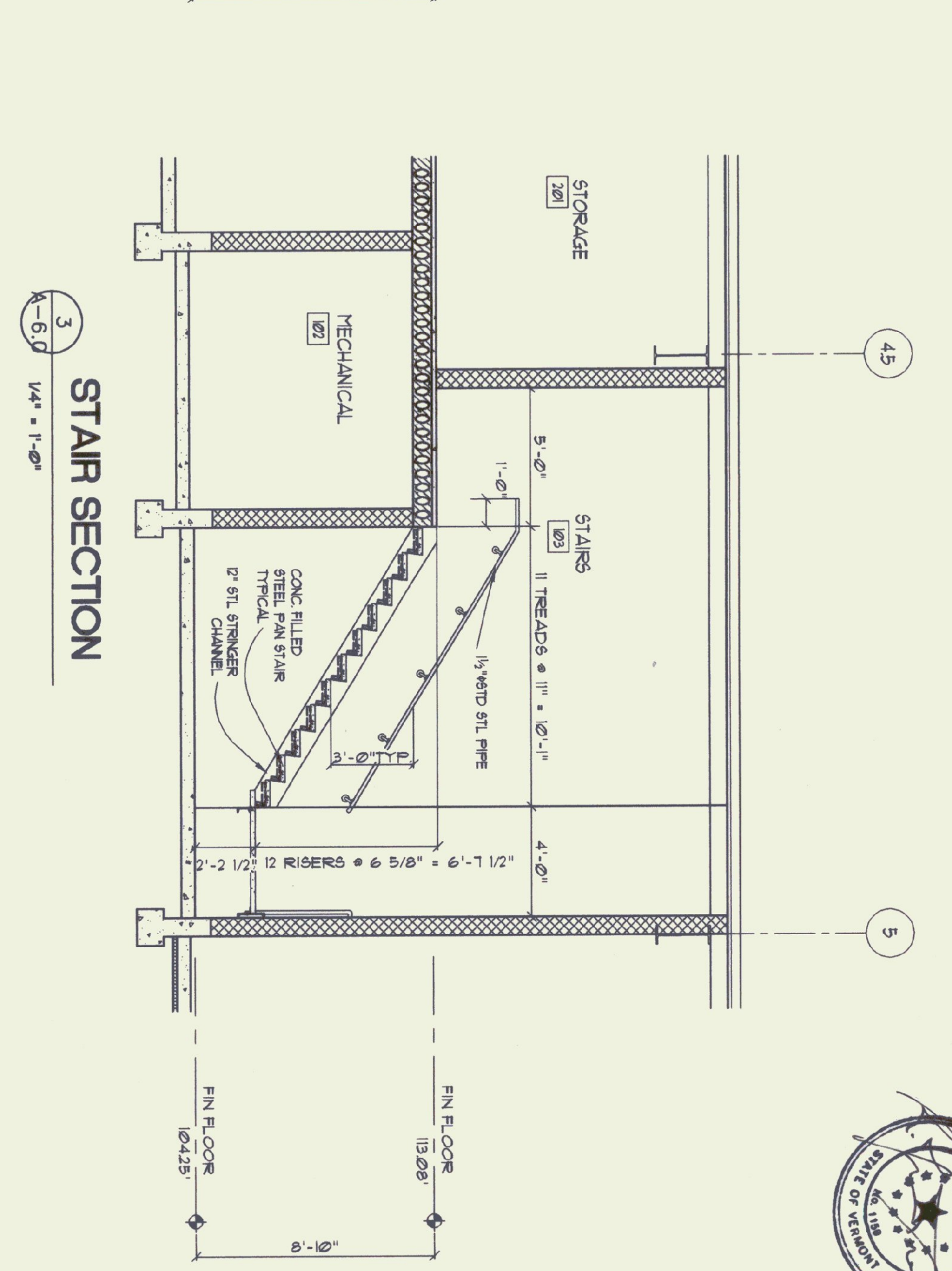
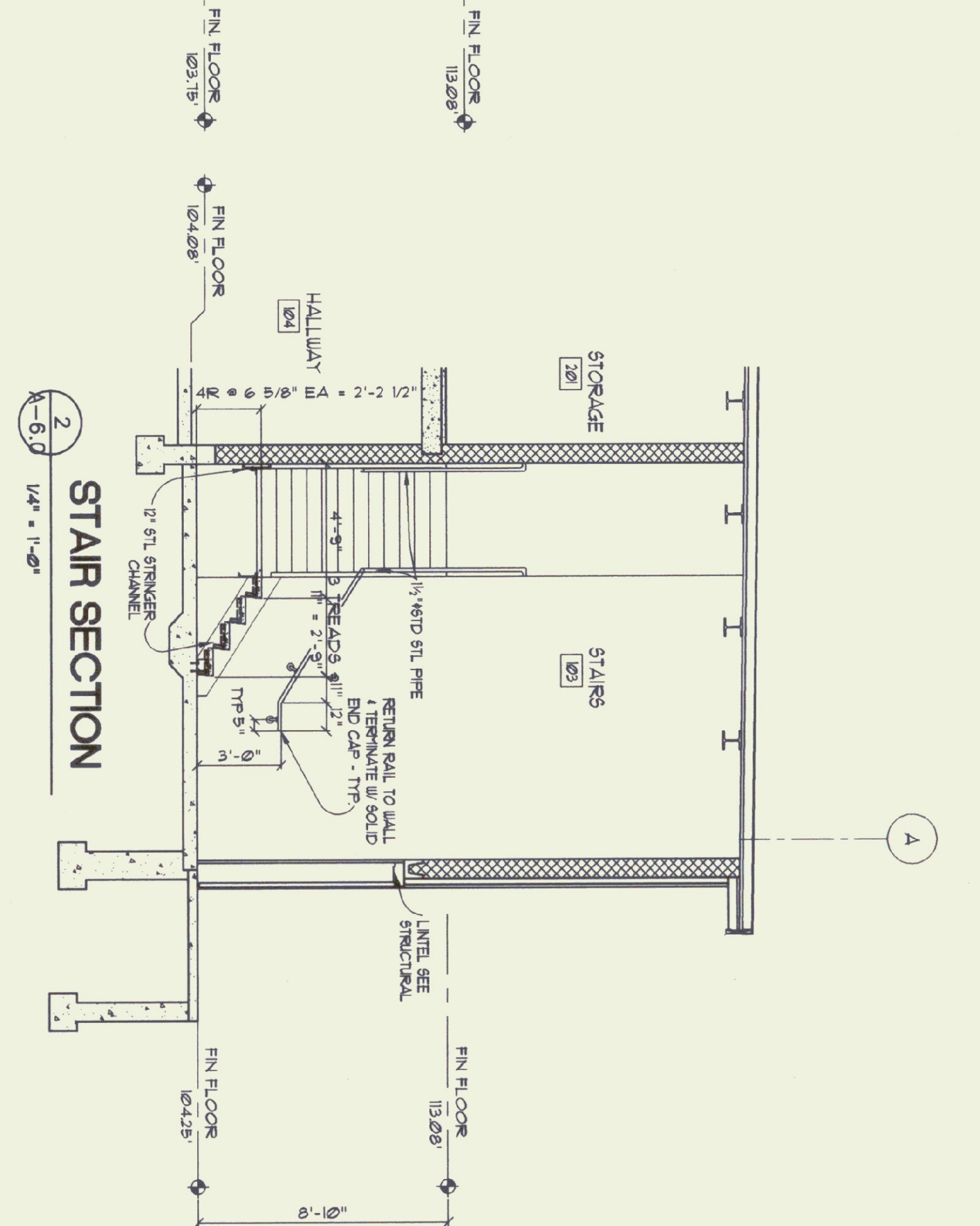
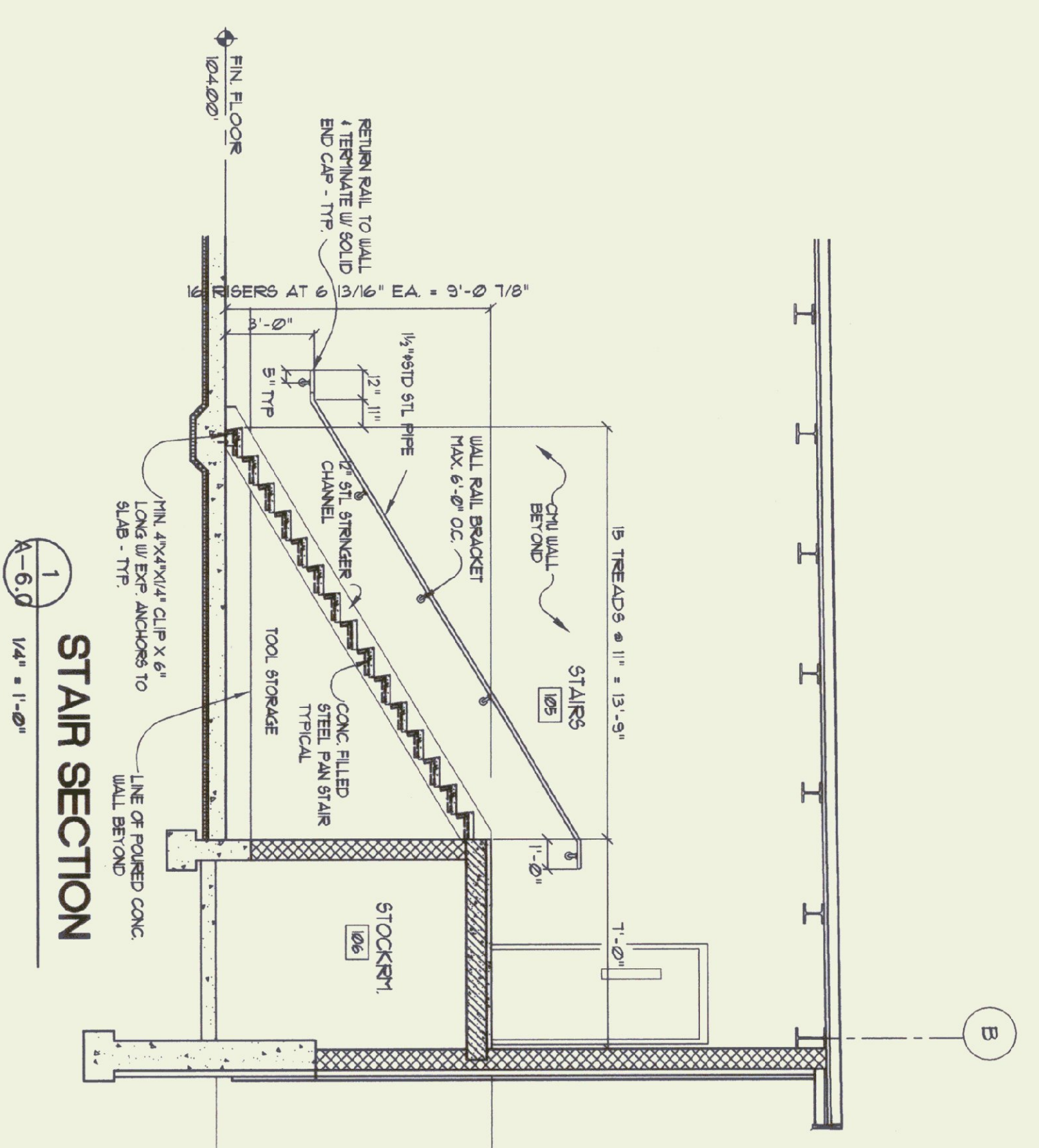
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CHIMNEY CORNERS
VERMONT

SCALE: 1" = 1'-0"
DATE: 15 OCT. 1999
DRAWN BY: *ATD*
APPR. BY: *ATD*

COLCHESTER
MAINTENANCE
GARAGE
WALL SECTIONS
A-5.0
22 OF 36



5 CONTAINMENT WALL AT CHLORIDE TANK

4 CHLORIDE TANK PLAN INSIDE SALT SHED

AGENCY OF TRANSPORTATION
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 ARCHITECTS - PROJECT MANAGERS
 1795 WILLISTON ROAD - SOUTH BURLINGTON VERMONT

SCALE: 1/4" = 1'-0"	REVISIONS
DATE: 15 OCT. 1999	1/18/2000
DRAWN BY: <i>AMP</i>	
APPR. BY: <i>AMP</i>	
COLCHESTER MAINTENANCE GARAGE	
STAIR SECTS.	
A-6.0	
23 OF 36	



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COLCHESTER MAINTENANCE FACILITY
VERMONT

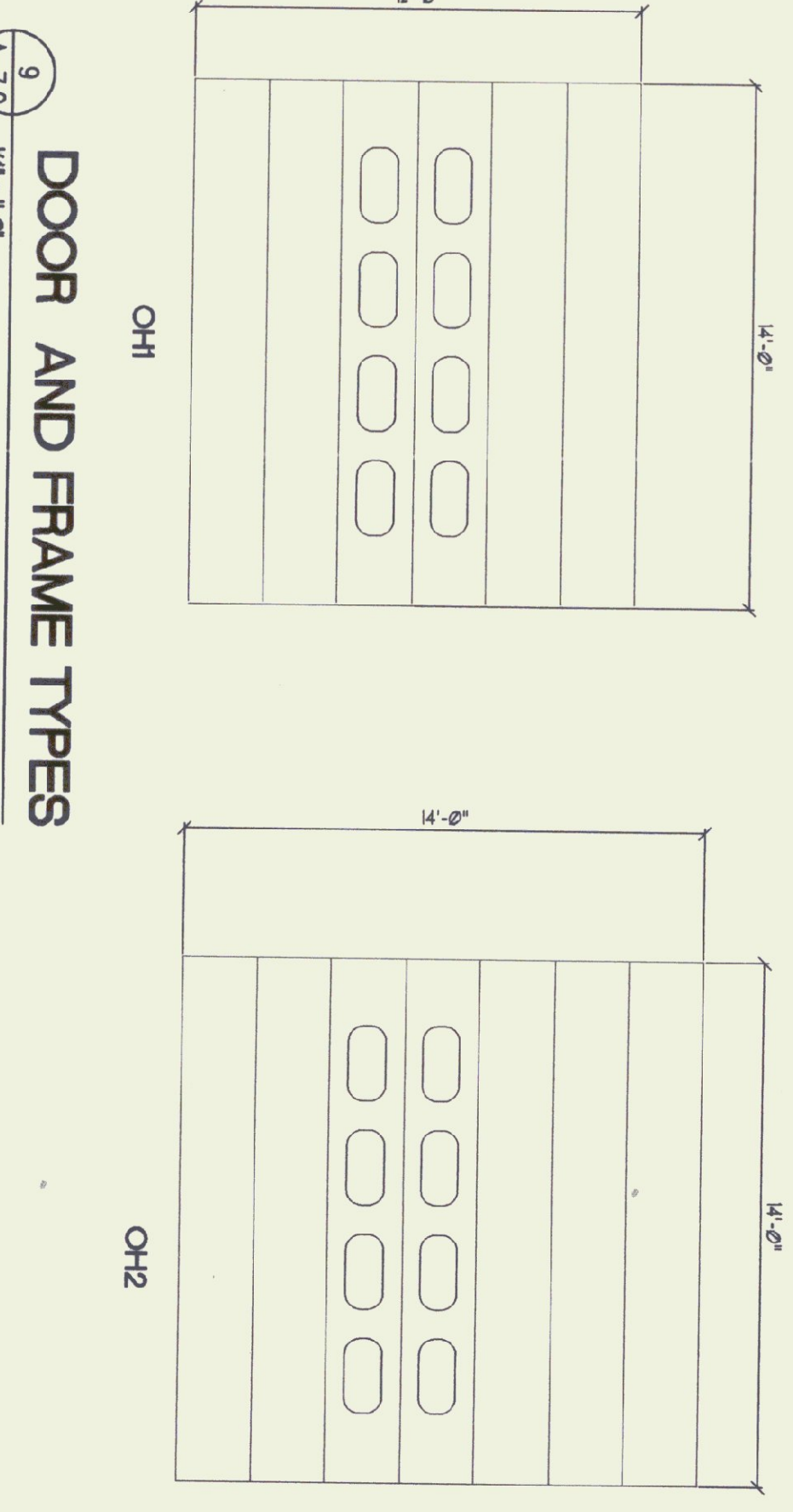
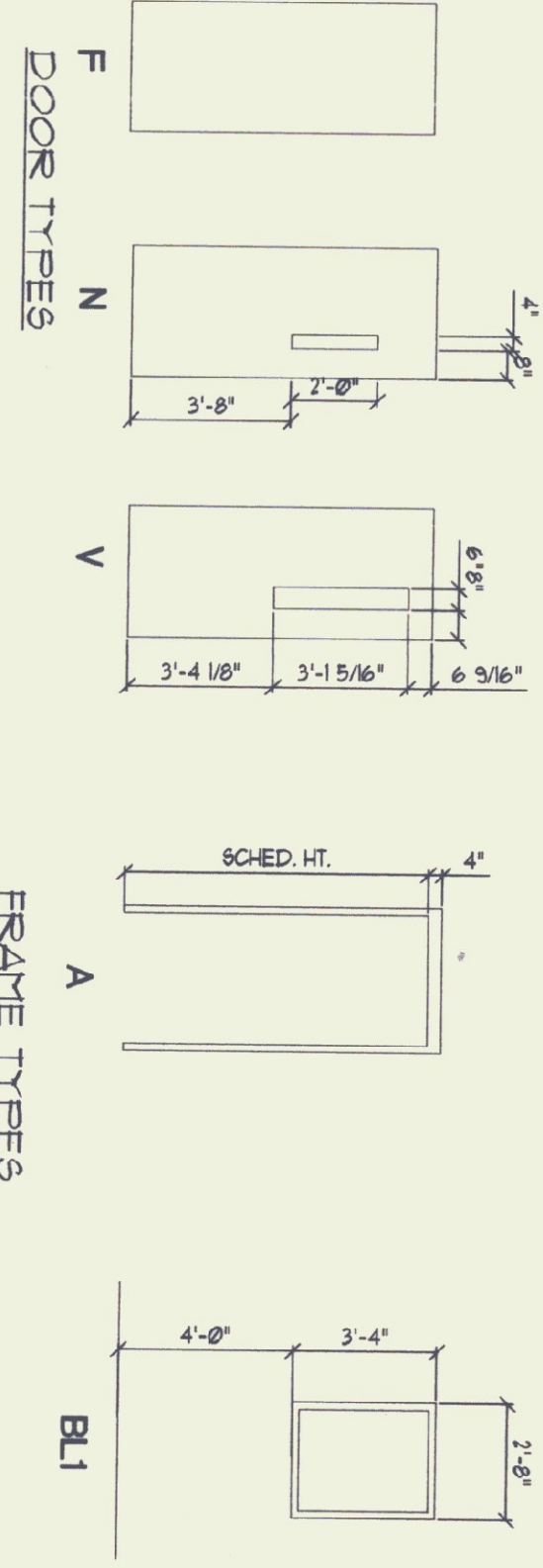
REVISIONS	DATE: 15 OCT. 1999
SCALE: AS NOTED	DRAWN BY: NID
COLCHESTER MAINTENANCE GARAGE	APPR. BY: NID

TOILET DETAILS
DOOR SCHEDULE
WINDOW TYPES
A-7.0
24 OF 36

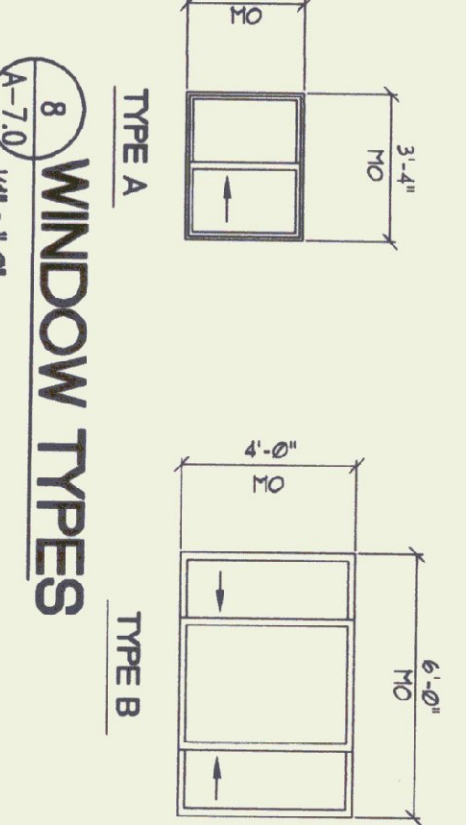
DOOR & FRAME SCHEDULE (INCLUDING BORROWED LITES)

NUMBER	TYPE	DOOR		FRAME		LABEL	REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH		
1	OH1	FR	FR	FR	FR		
2	OH2	FR	FR	FR	FR		
3	N	FR	FR	FR	FR		
4	N	FR	FR	FR	FR		
5	N	FR	FR	FR	FR		
6	N	FR	FR	FR	FR		
7	F	FR	FR	FR	FR		
8	F	FR	FR	FR	FR		
BL1							SEE ELEVATIONS AND DETAILS FOR ADDITIONAL INFO.

- NOTES:
- ALL DOORS ARE 1 3/4" THICK UNLESS NOTED OTHERWISE
 - INSULATE ALL EXT. INT. DOORS
 - ALL DOORS AND FRAMES ARE TO HAVE GALVANIZED PREFER TREN PAINTED (SEE SPEC.)
 - DOOR SCHEDULE
 - DOOR NUMBERS LISTED IN SCHEDULE



9
A-7.0
1/4" = 1'-0"
DOOR AND FRAME TYPES

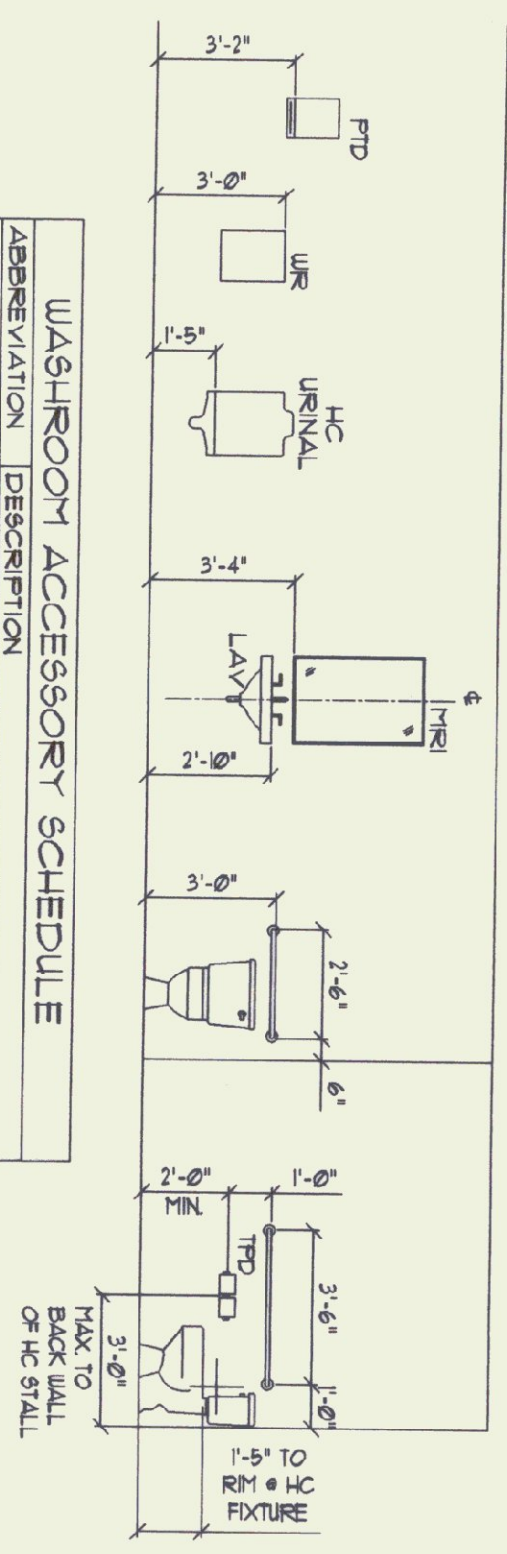


8
A-7.0
1/4" = 1'-0"
WINDOW TYPES

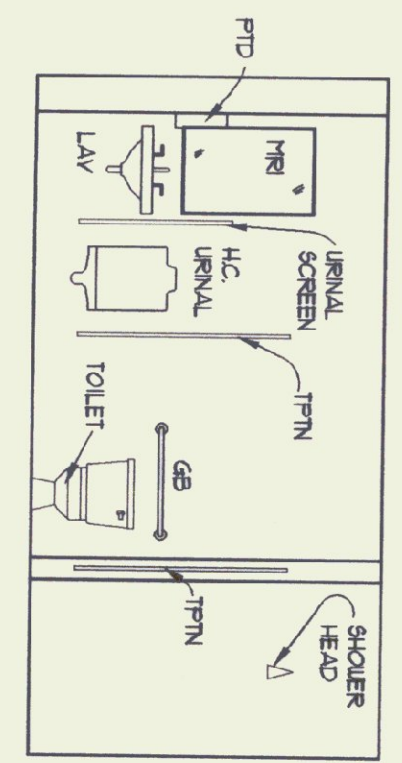
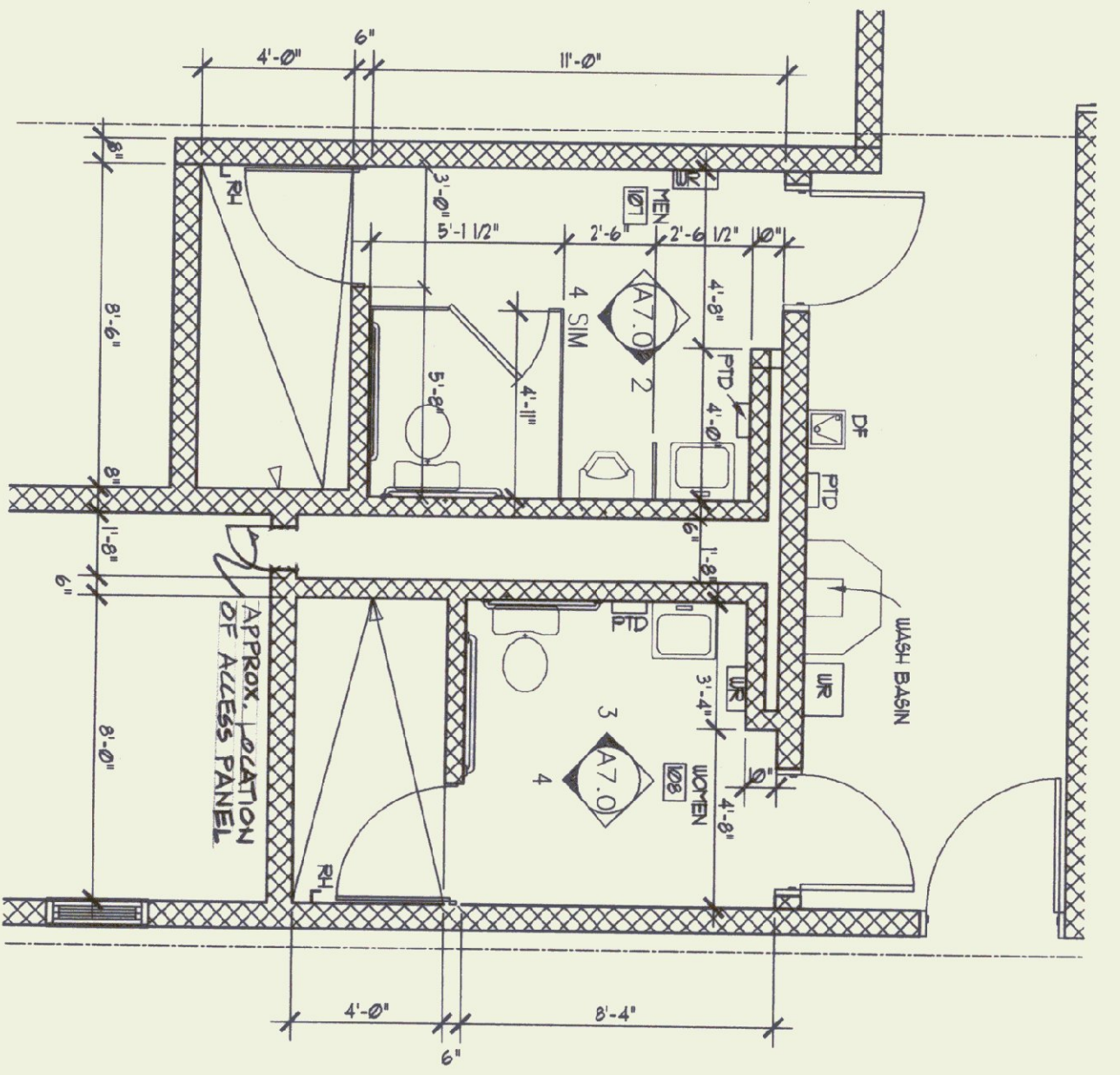
NOTES:
1. GC TO PROVIDE BLOCKING FOR ALL ACCESSORIES

WASHROOM ACCESSORY SCHEDULE

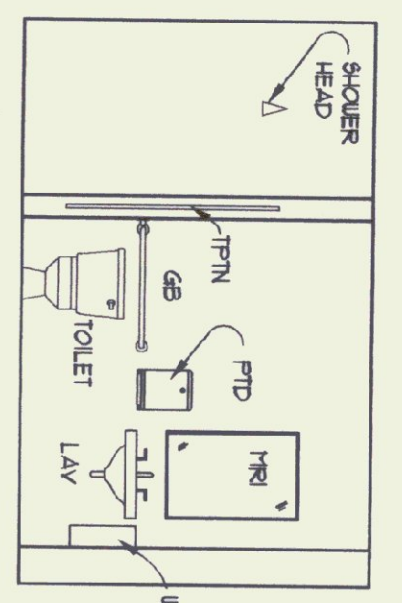
ABBREVIATION	DESCRIPTION
MIR	MIRROR, 24" X 36"
GB	GRAB BAR
TTP	TIGHT TIGHT TOILET TISSUE HOLDER
TRTN	TRICOLOR TOILET PARTITION & DOORS
RH	ROBE HOOK
SD	LIQUID SOAP DISPENSER
PTD	PAPER TOWEL DISPENSER
WIR	WASTE RECEPTACLE



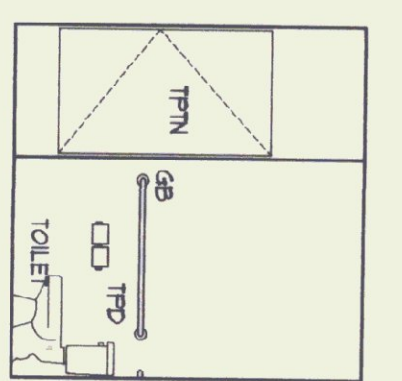
1
A-7.0
1/4" = 1'-0"
TOILET RMS. PLAN DETAIL



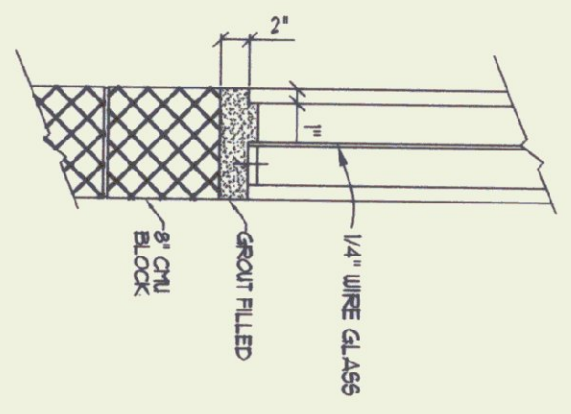
2
A-7.0
1/4" = 1'-0"
TOILET ELEV.



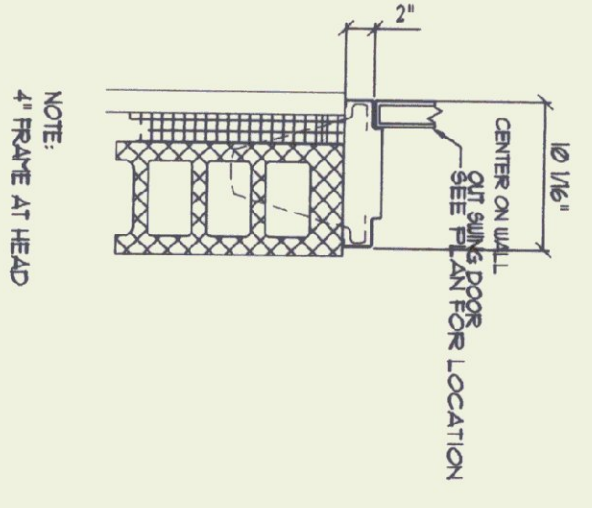
3
A-7.0
1/4" = 1'-0"
TOILET ELEV.



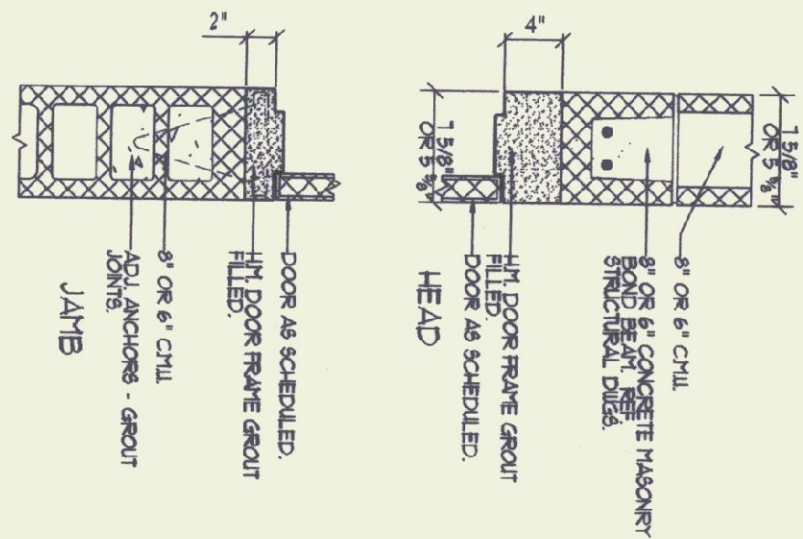
4
A-7.0
1/4" = 1'-0"
TOILET ELEV.



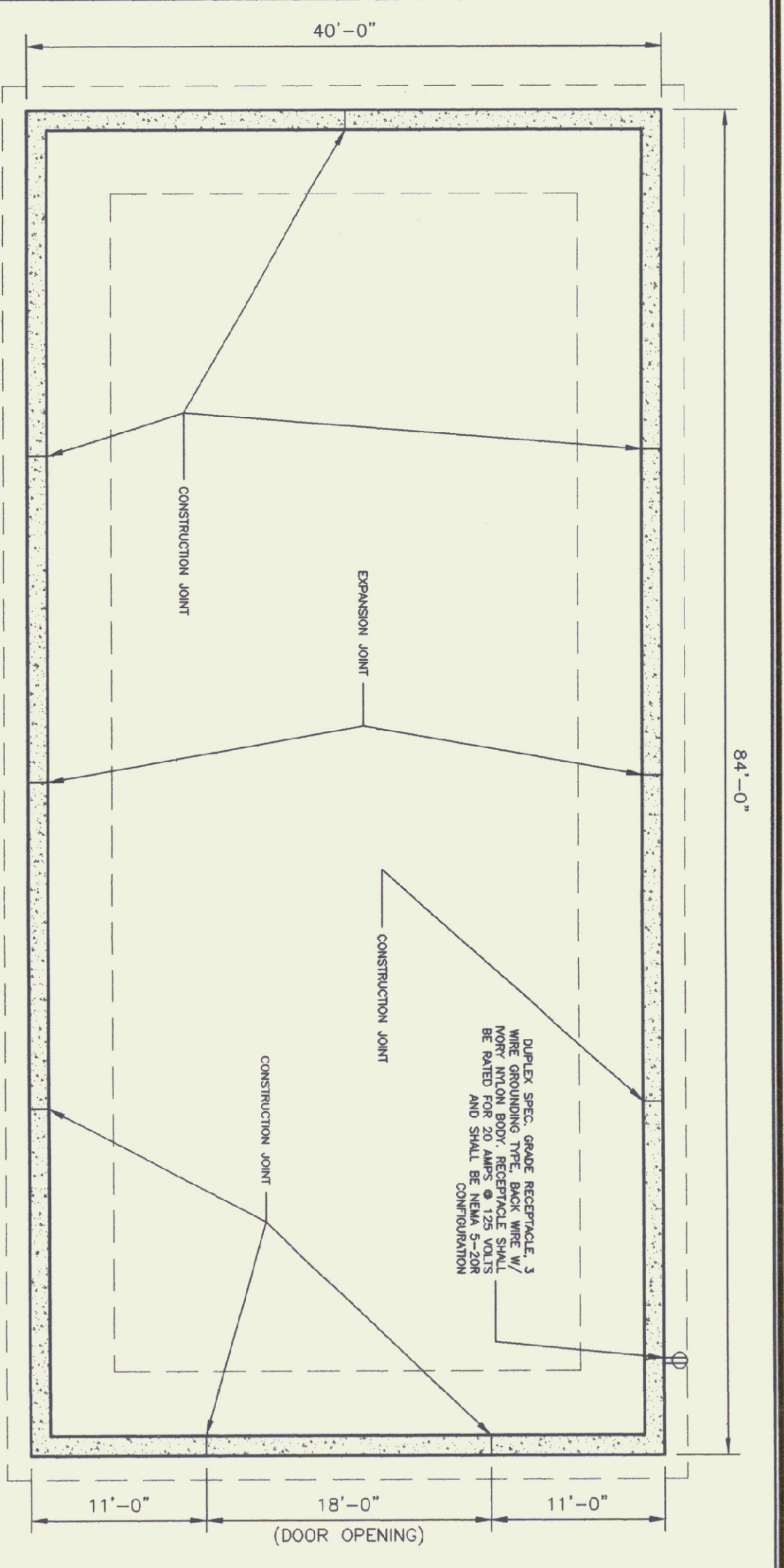
5
A-7.0
1/4" = 1'-0"
BOAR. LITE SECT.



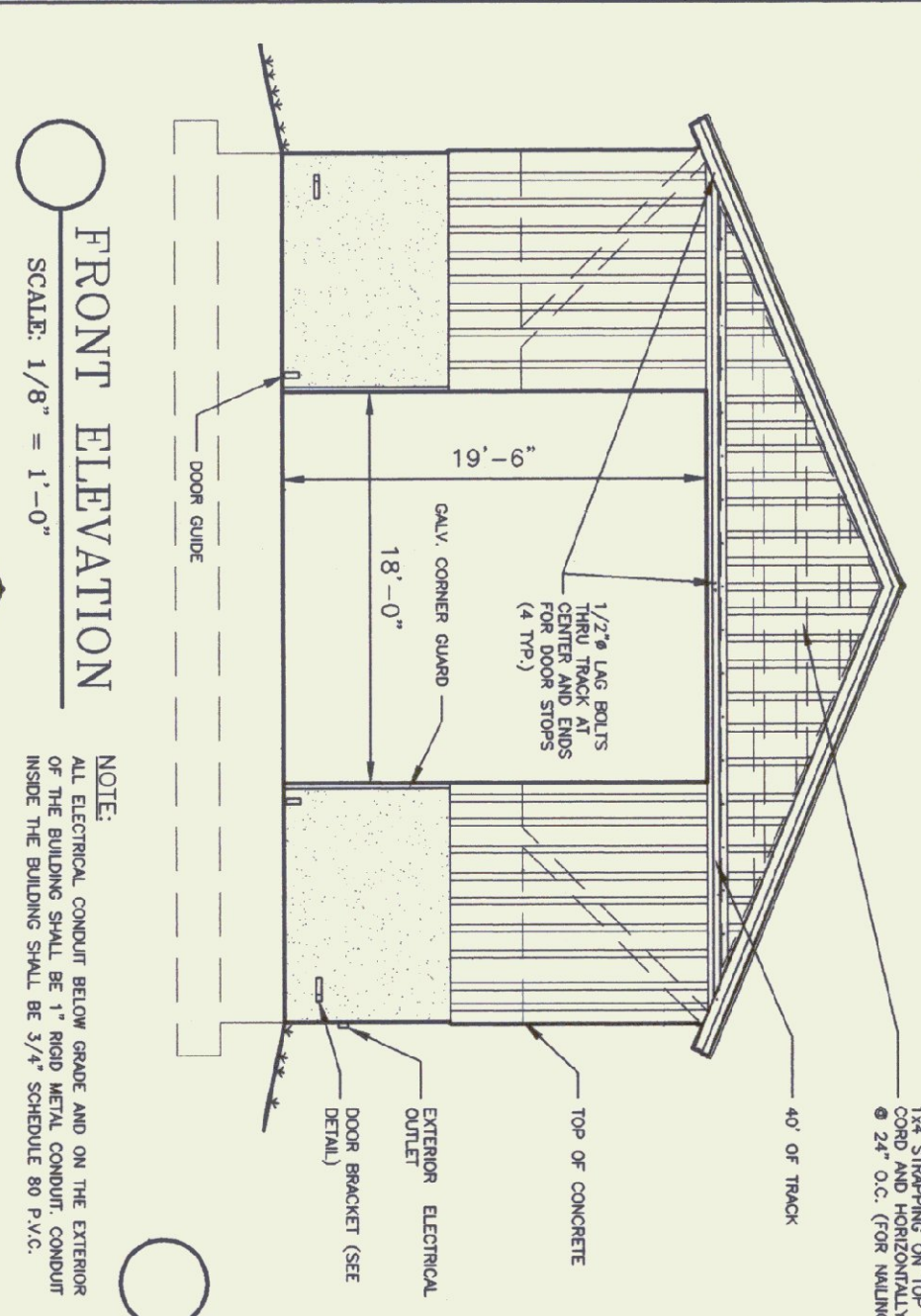
6
A-7.0
1/4" = 1'-0"
TYP. EXT. DOOR JAMB



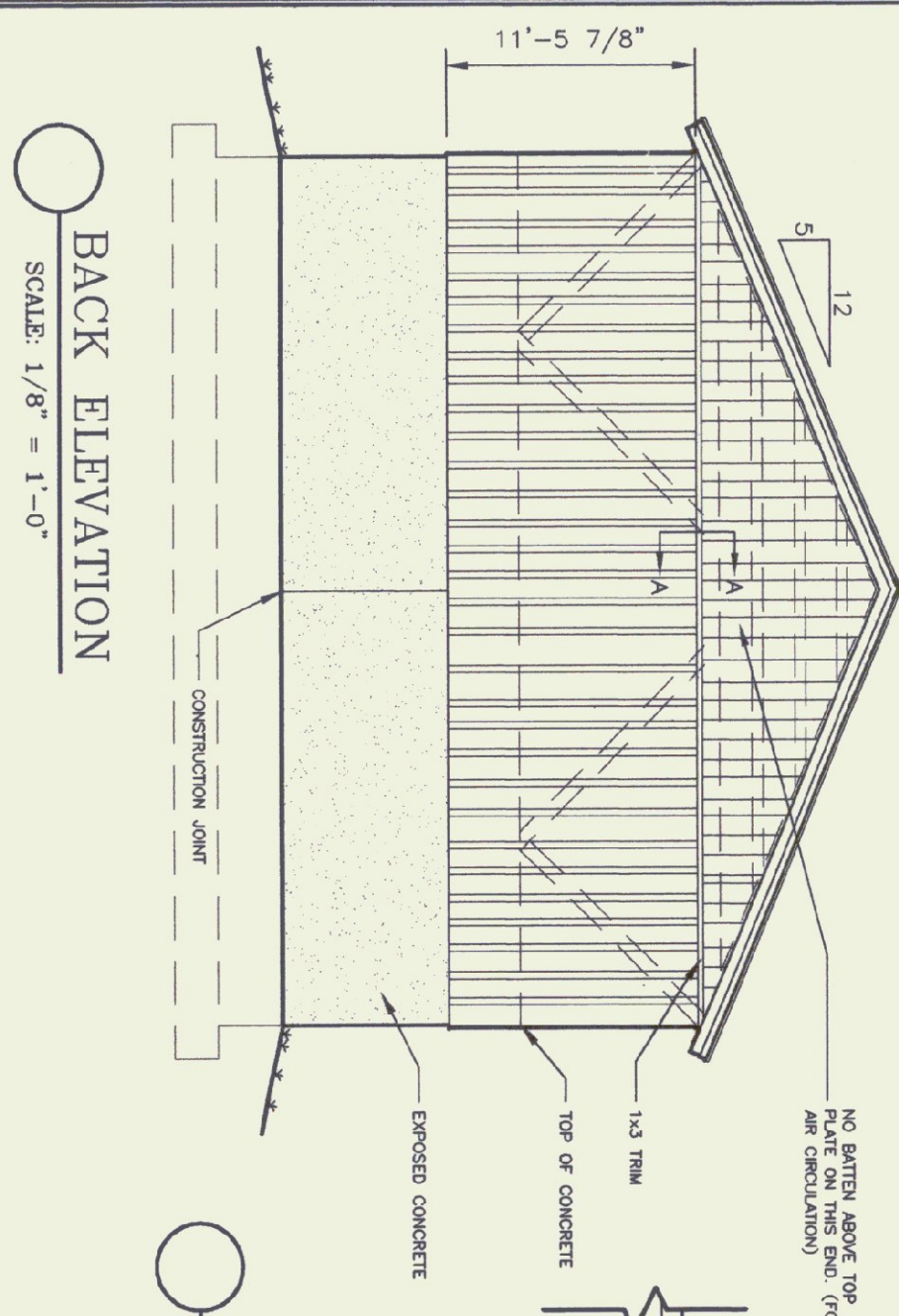
7
A-7.0
1/4" = 1'-0"
TYP. INT. DOOR JAMB



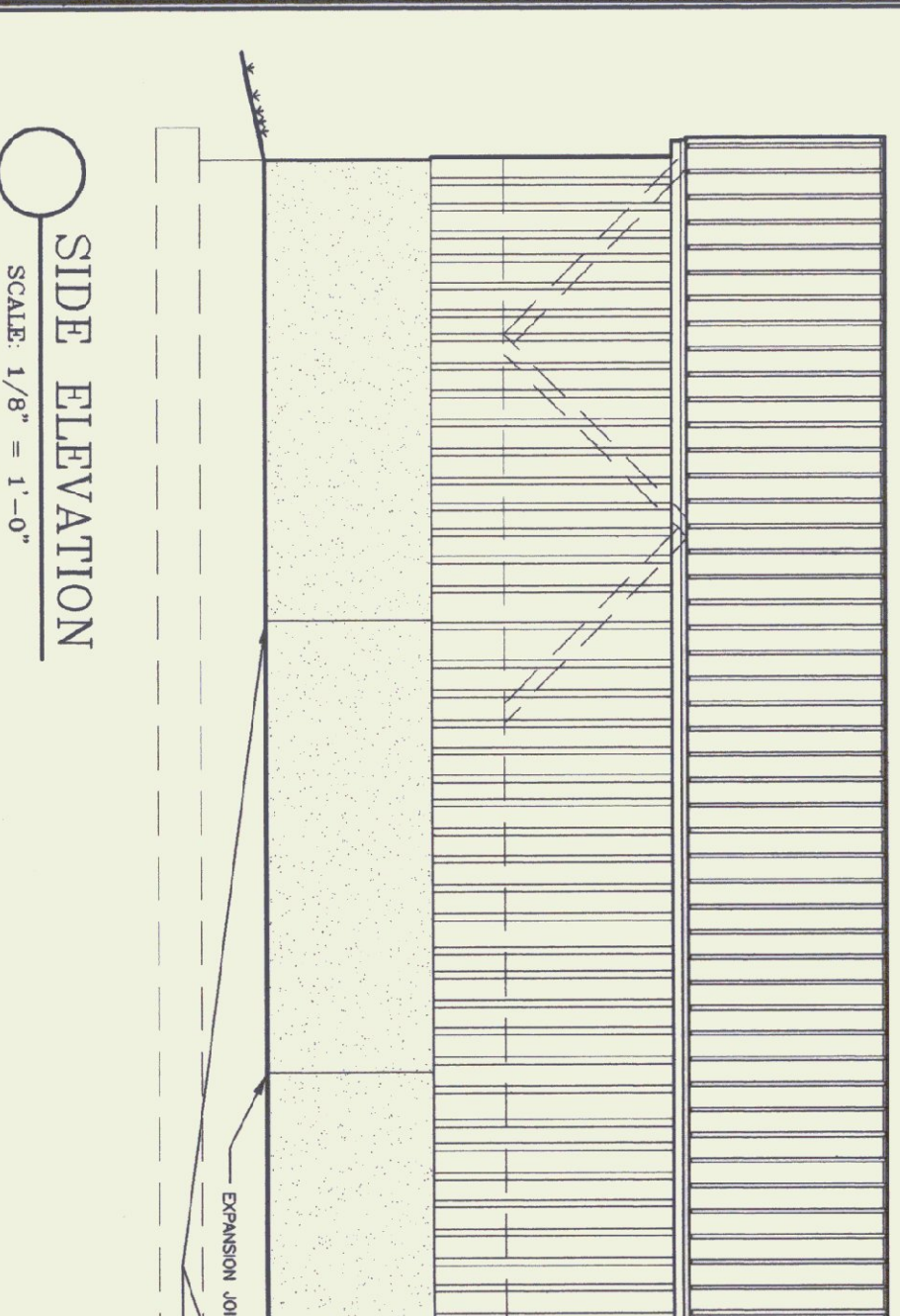
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



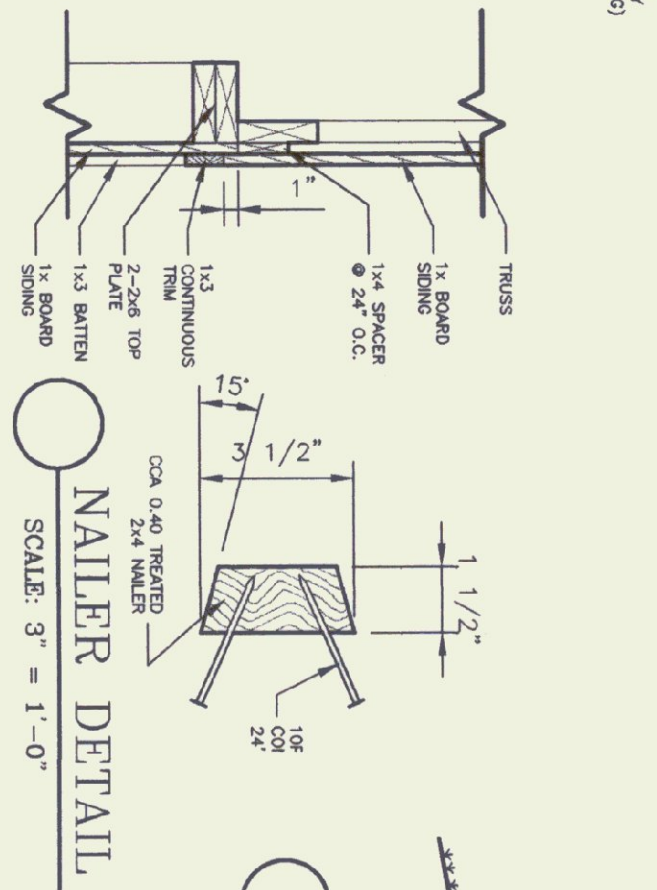
FRONT ELEVATION
SCALE: 1/8" = 1'-0"



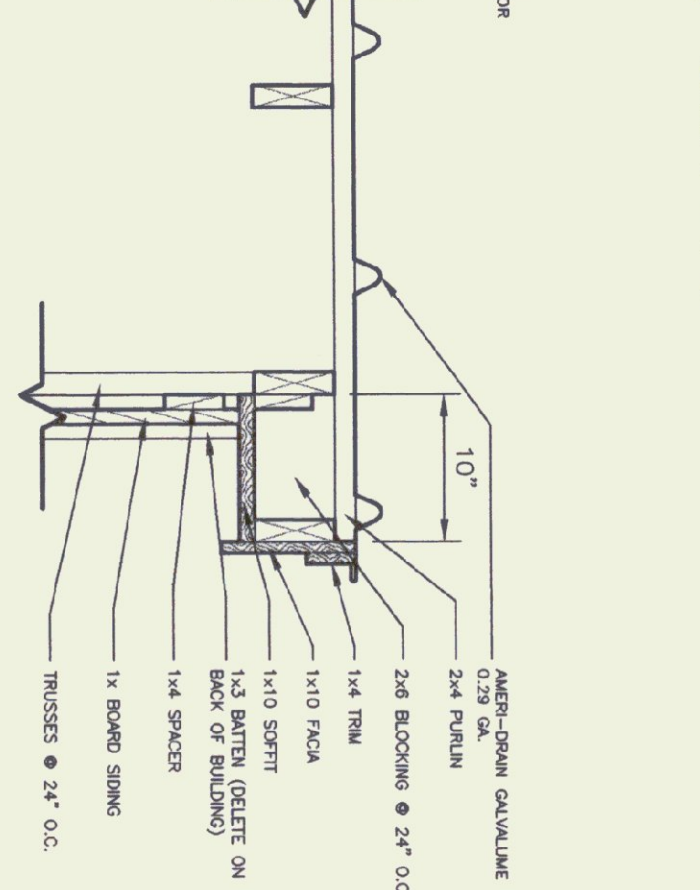
BACK ELEVATION
SCALE: 1/8" = 1'-0"



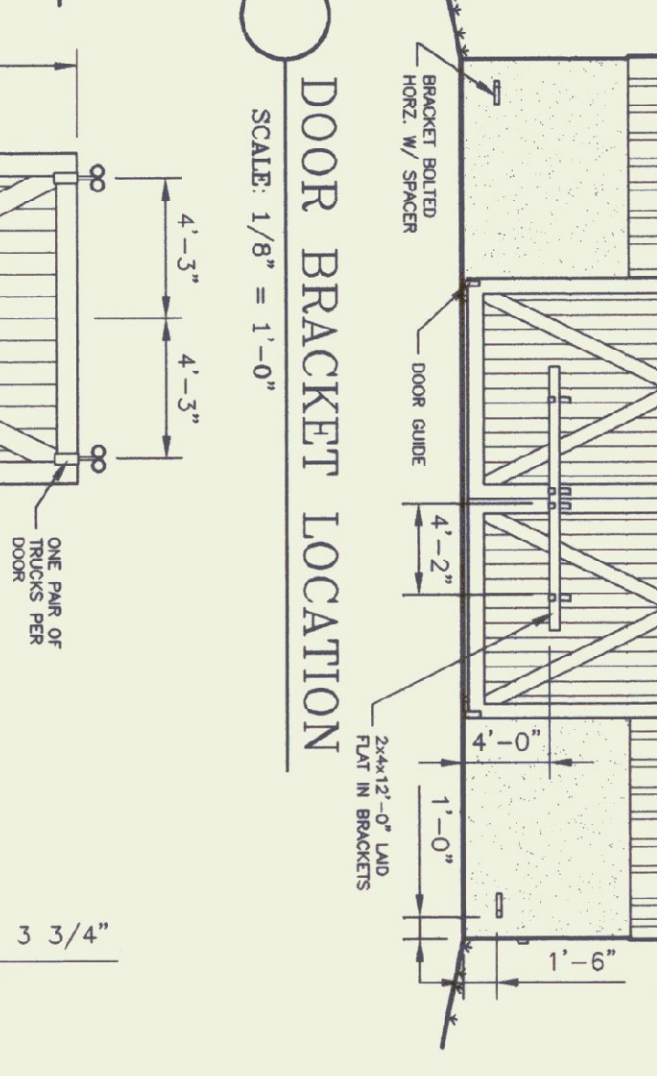
SIDE ELEVATION
SCALE: 1/8" = 1'-0"



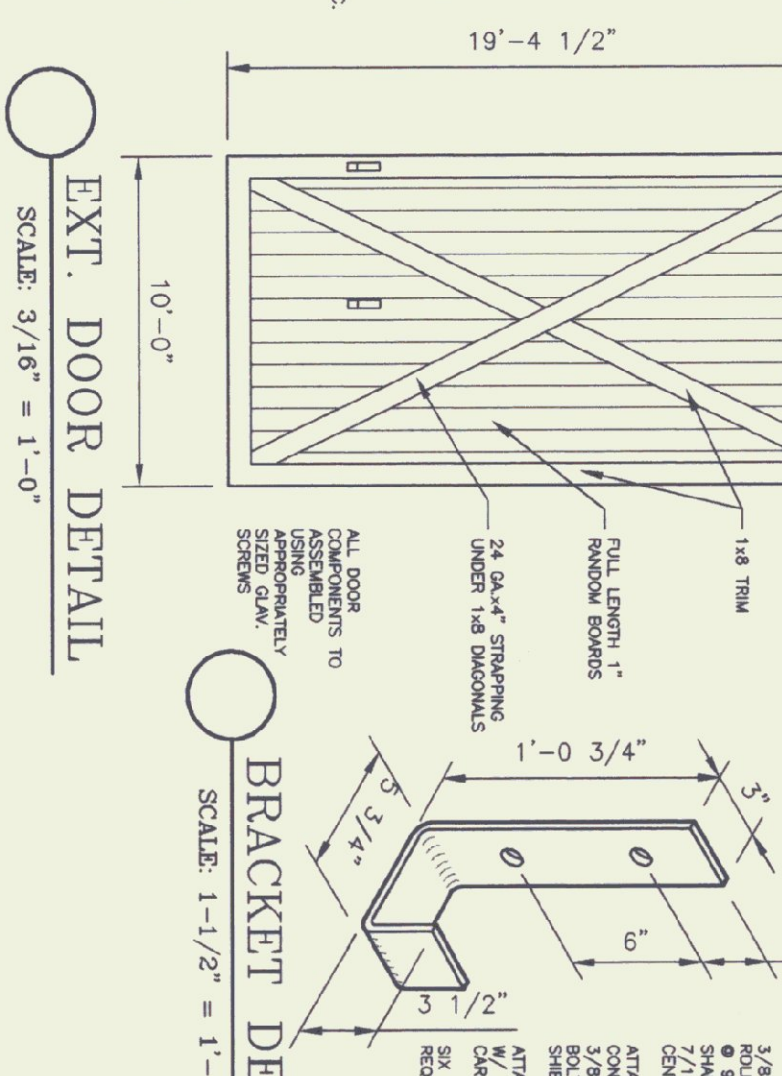
SECTION A-A
SCALE: 1" = 1'-0"



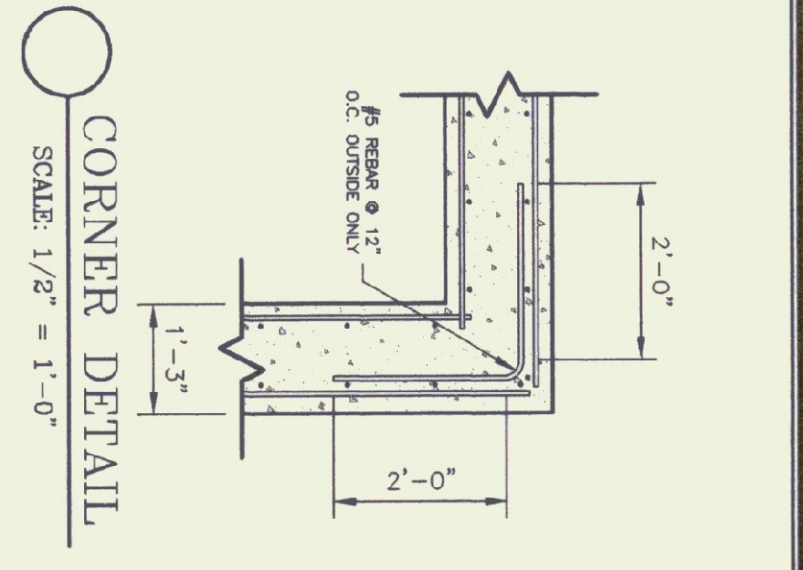
SECTION B-B
SCALE: 1" = 1'-0"



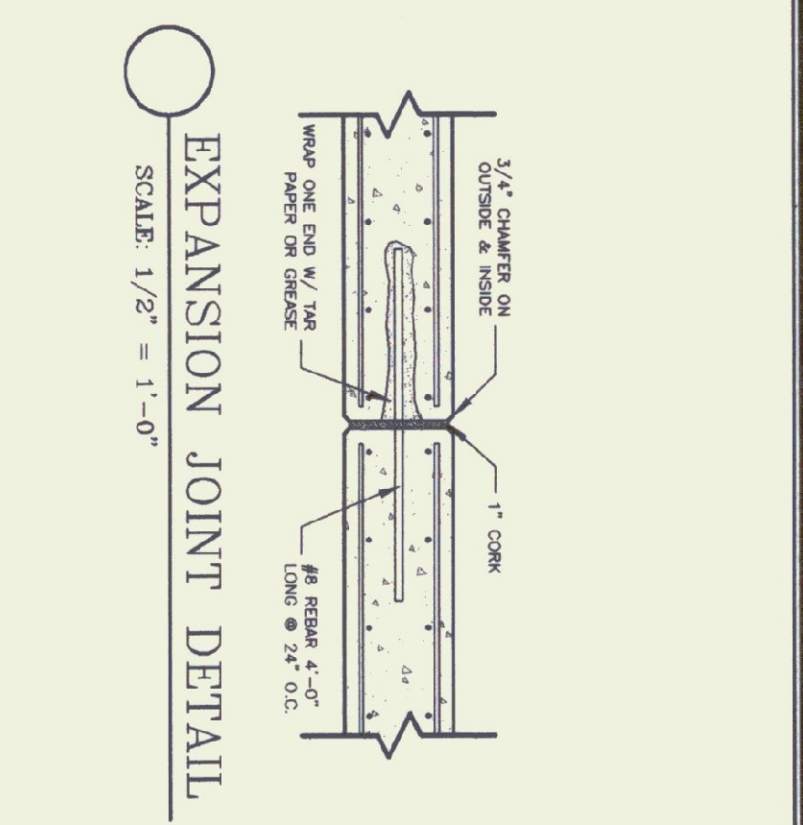
DOOR BRACKET LOCATION
SCALE: 1/8" = 1'-0"



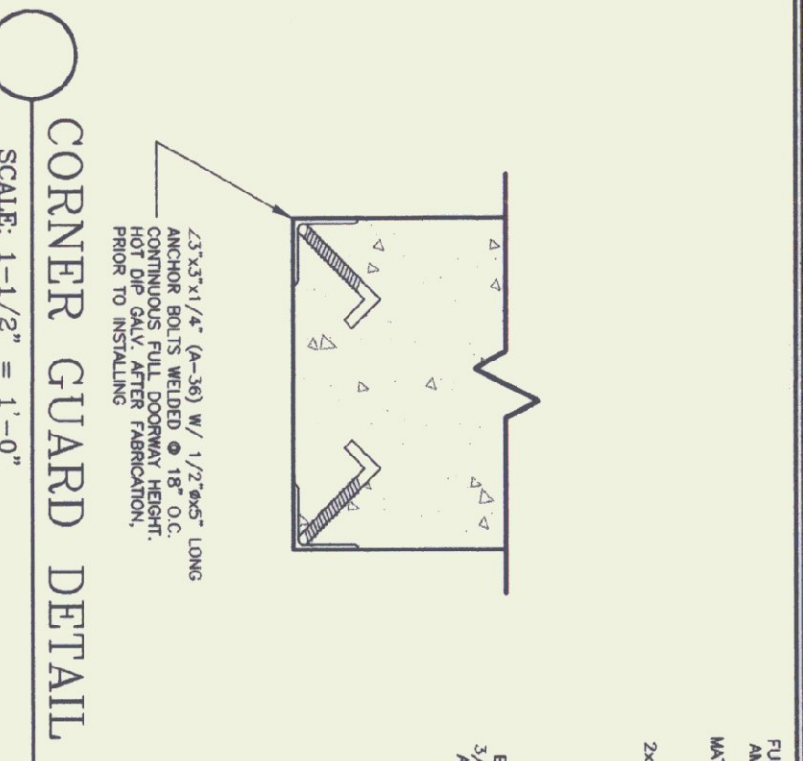
EXT. DOOR DETAIL
SCALE: 3/16" = 1'-0"



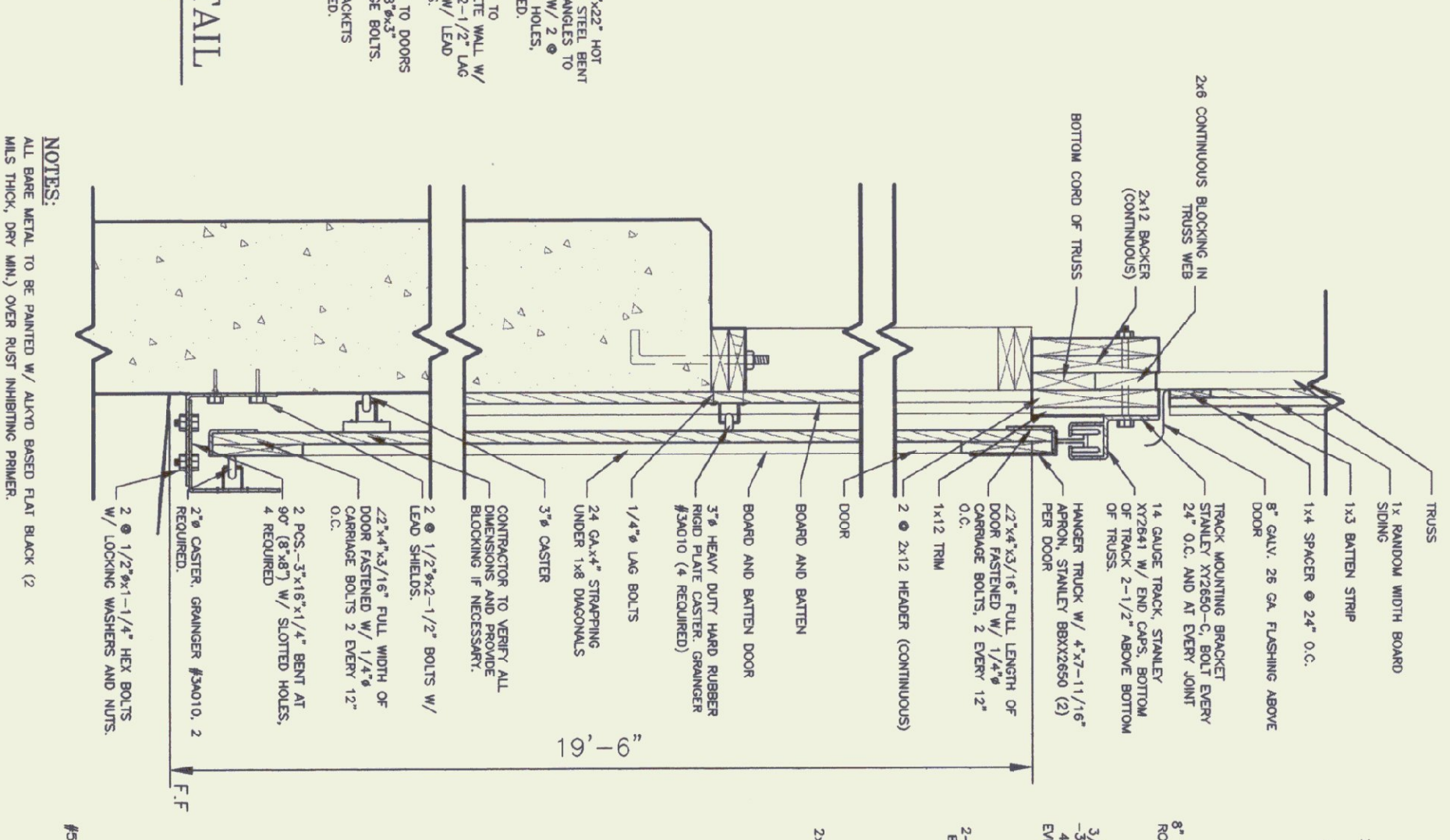
CORNER DETAIL
SCALE: 1/2" = 1'-0"



EXPANSION JOINT DETAIL
SCALE: 1/2" = 1'-0"



CORNER GUARD DETAIL
SCALE: 1-1/2" = 1'-0"



DOOR TRACK & GUIDE DETAIL
SCALE: 1" = 1'-0"

GENERAL NOTES:
ALL MATERIALS TO BE FURNISHED BY THE CONTRACTOR.
ALL EXPOSED METAL, EXCEPT GALVANIZED, (COPPER ANGLE, DOOR BRACKETS, ETC.) SHALL BE PAINTED FLAT BLACK (2 MILS THICK, DRY MIX) OVER RUST INHIBITING PRIMER.
ALL ELECTRICAL WORK SHALL COMPLY WITH N.E.C.
ALL FRAMING AND BOARD & BATTEN STUDS SHALL BE FASTENED USING APPROPRIATELY SIZED GALVANIZED FASTENERS AND ACCORDING TO INDUSTRY STANDARDS.
ALL FINISHING WORK, BACK-FILL MATERIAL, FLOOR MATERIAL, ETC. TO BE SUBMITTED TO THE OWNER FOR APPROVAL.
ROOFING COLOR - IN GREEN (AMER-DOWN)

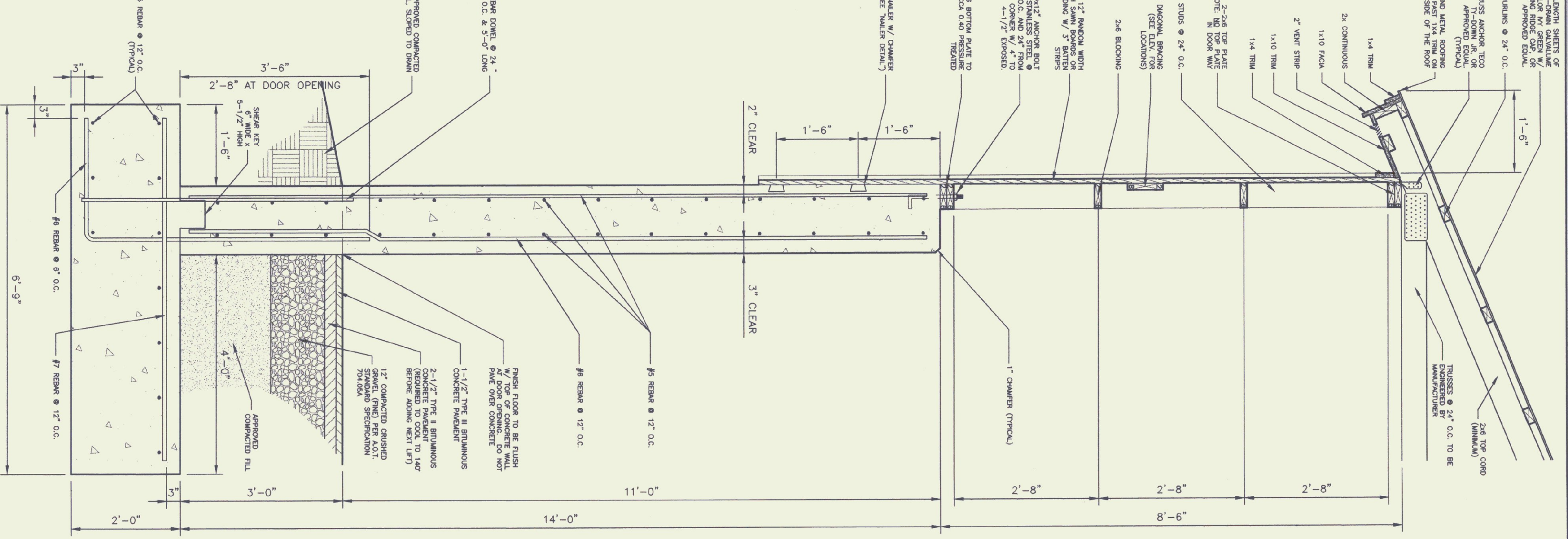
TRUSS NOTES:
TRUSS MANUFACTURER TO SUBMIT TO THE DESIGNER A FULL SET OF ENGINEERED AND STAMPED DRAWINGS FOR APPROVAL PRIOR TO TRUSS MANUFACTURE.
TRUSS MANUFACTURER TO PROVIDE THE CONTRACTOR WITH ALL THE NECESSARY RESTRICTIONS FOR PROPER TRUSS INSTALLATION, INCLUDING: BRACING, LIFTING, ETC.
TRUSS DESIGN IN ACCORDANCE WITH THE 1987 B.O.C.A. FOR VERTICAL MINIMUM LOADS:
LIVE - 40 P.S.F. - PER 1994 VERTICAL FIRE PROTECTION CODE
DEAD - AS CALCULATED FROM TRUSS AND ROOF MATERIALS AND IN ACCORDANCE WITH 9 P.S.F. ON BOTTOM CHORDS.
DIAGONAL BRACING PER TRUSS MANUFACTURER AND PER MINIMUM TRUSS BRACING DETAIL IN SPECIFICATIONS.

LUMBER NOTES:
FRAMING MEMBERS TO BE KILN DRIED CONIFER GRADE SPRUCE 2x4 MAX. 12M WASTELINE CONTROL PLATES & VALUERS IN CONTACT WITH CONCRETE TO BE COA 0.60 PRESSURE TREATED.
BOARD & BATTEN STUDS TO BE KILN DRIED CONIFER GRADE SPRUCE, WHITE PINE, OR RED PINE.
BOARD STUDS TO BE 1x2x4 (MAX. LENGTH 12'-0") - BATTEN STUDS TO BE 1x2x4 (MAX. LENGTH 12'-0").
MAX. 12M WASTELINE CONTROL BRACKET STAIN IS PERMITTED.
ALL FASTENERS TO BE GALVANIZED.

FINISH NOTES:
ALL EXTERIOR WALLS TO BE STAINED WITH ONE COAT ON ALL SURFACES PRIOR TO INSTALLATION.
AFTER INSTALLATION EXTENSION JOINTS TO RECEIVE ONE (1) ADDITIONAL COAT OF STAIN. STAIN TO BE APPLIED TO ALL EXTERIOR SURFACES.
FIRST COAT WILL BE SCALING-RESISTANT & THE SECOND COAT WILL BE HARD-WEARING STAIN.

CONCRETE NOTES:
CONCRETE TO BE CLASS "B" PER A.O.T. STANDARD SPECIFICATION TABLE 501.02A WITH 5% ± 1% AIR ENTRAINMENT AND 2-4" SLABS.
1/2" V" JOINTS IN EXPOSED FACE OF CONSTRUCTION JOINTS.
CONCRETE TO BE PLACED IN 12" MAX. LIFT INTO WALL CORNERS AT DOOR OPENINGS.
RE-BAR TO BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
NO HORIZONTAL CONSTRUCTION JOINTS IN WALLS - CONTINUOUS POUR.
NO CONSTRUCTION OF EXPANSION JOINTS IN EXTERIOR WALLS.
CONTRACTOR TO LAKE UP WITH 1" OF SURFACE. USE 1" DEEP PLASTER CONES AT ALL TIES.
ALL RE-BAR TO BE CHASED 60° W/ 3" CLEARANCE ON ALL SIDES UNLESS NOTED OTHERWISE.
RE-BAR TO BE STAMPED ON BLOCKING. A MINIMUM ABOVE GROUND PERM TO INSTALLATION.
CONCRETE SUPPLIER TO PROVIDE TEST CYLINDERS FOR CONCRETE TESTING.

CONCRETE NOTES:
ALL CONCRETE TESTING TO BE DONE BY OWNER. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING, EXPOSED WALLS TO HAVE FORM JOINT PROTECT, THE HOLES, AND CHAMFER BRESS FINISH PER A.O.T. STANDARD SPECIFICATION 501.15.
WALL FORMS SHALL BE LEFT IN PLACE FOR 24 HOURS MINIMUM.
FORMING FRAMES SHALL REMAIN IN PLACE FOR 24 HOURS MINIMUM.
CONCRETE CURING SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS PER A.O.T. STANDARD SPECIFICATION 501.17.
WATER CURING WILL BE REQUIRED, UNLESS ALTERNATE MEANS OF CURING IS APPROVED, IN WRITING, BY THE PROJECT ENGINEER.



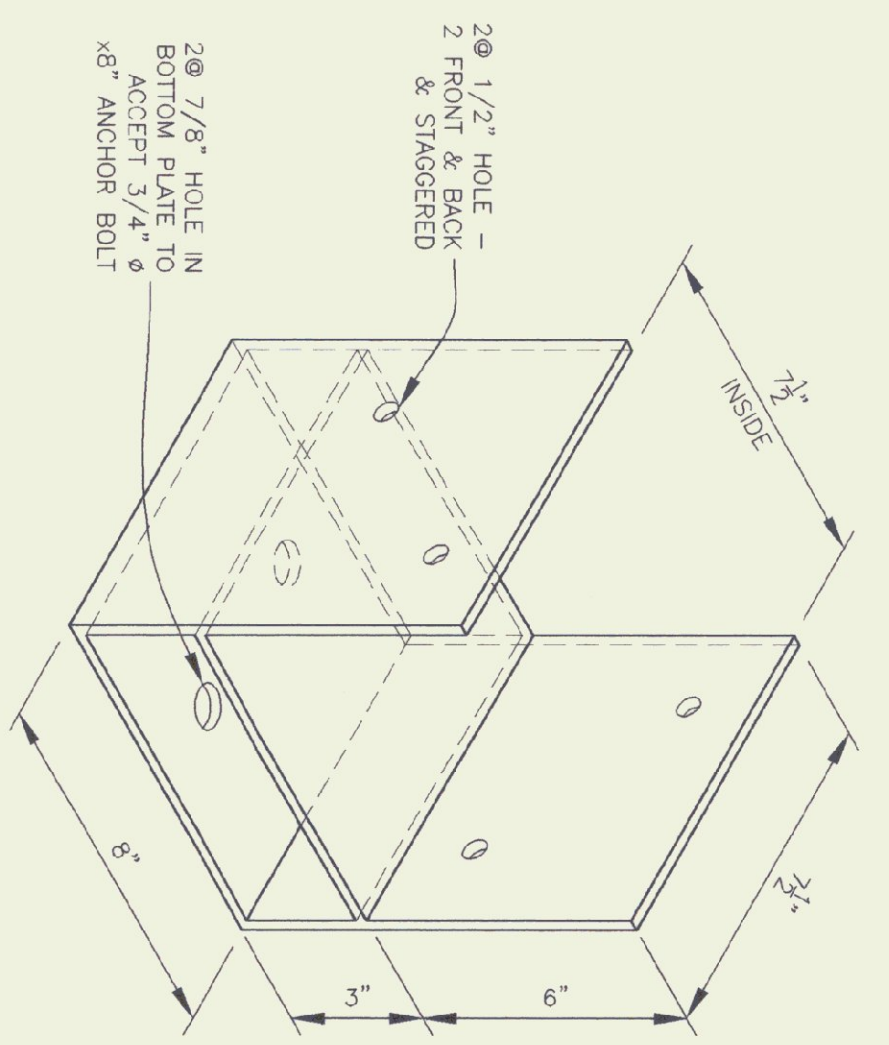
WALL SECTION (TYP.)
SCALE: 3/4" = 1'-0"

COLCHESTER	SCALE: AS NOTED	REVISIONS
40' x 84' SALT SHED	DATE: January 1996	12/29/97 GDN
COLCHESTER	DRAWN BY: B. McAvoy	7/8/98 GDN
A-8	APPR. BY: F. Pratt	2/10/99 BTM
25 OF 34		10/15/99 ADW

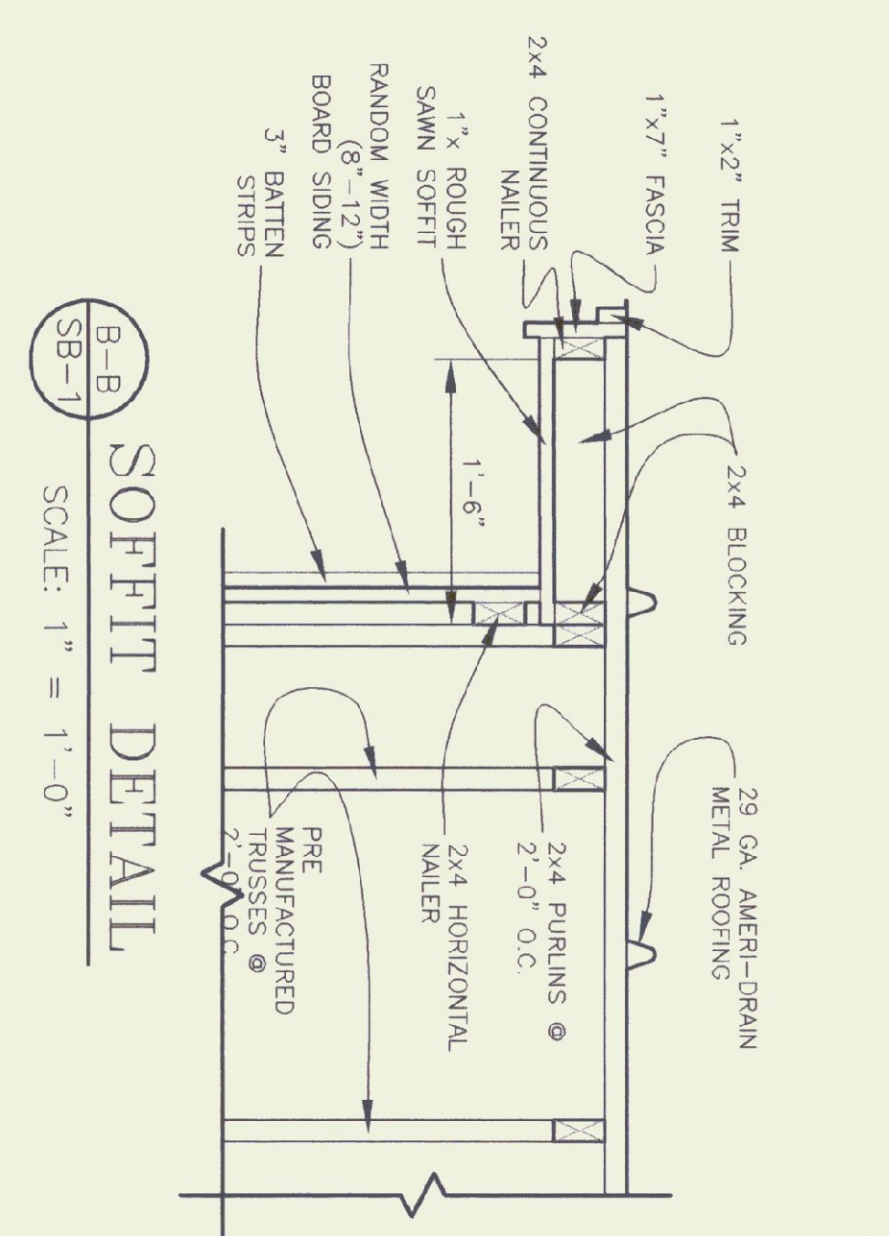
AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
40' x 84' SALT SHED
COLCHESTER VERMONT



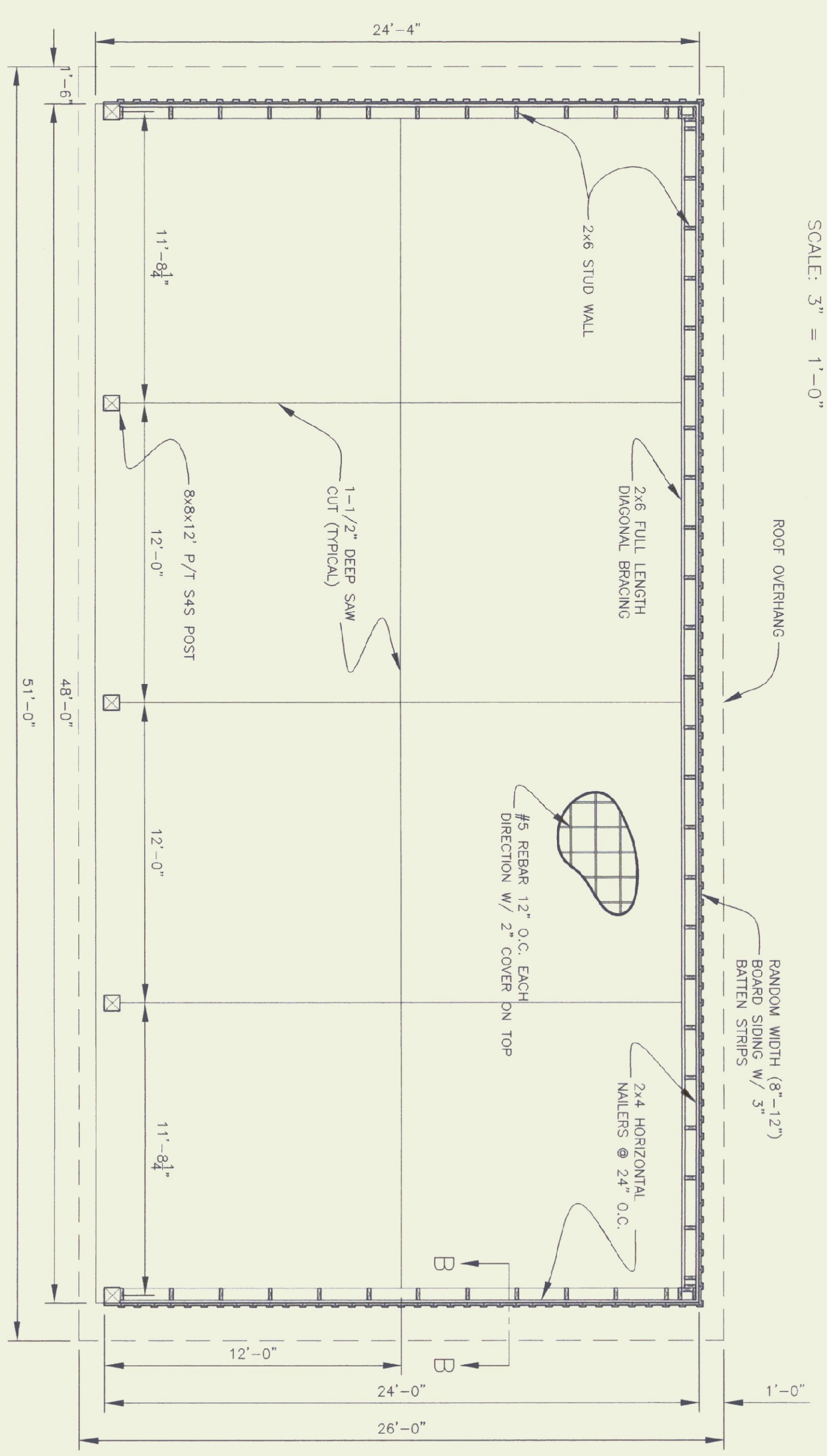
STATE OF VERMONT
Department of Buildings and General Services
Agency of Administration
Montpelier, Vermont



NOTES:
POST BASE TO BE
FABRICATED FROM
1 PLY FRAMED & PAINTED
BLACK BEFORE
INSTALLATION.

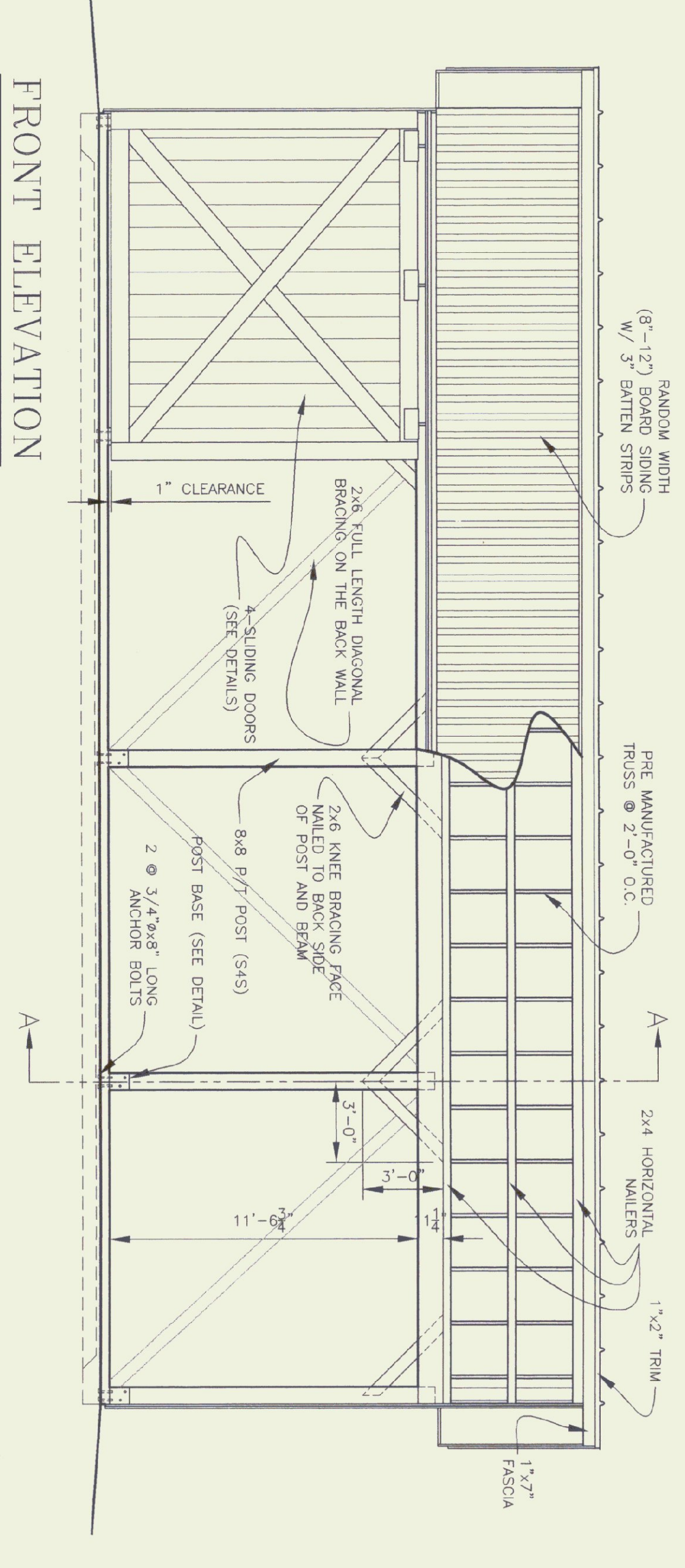


SCALE: 1" = 1'-0"



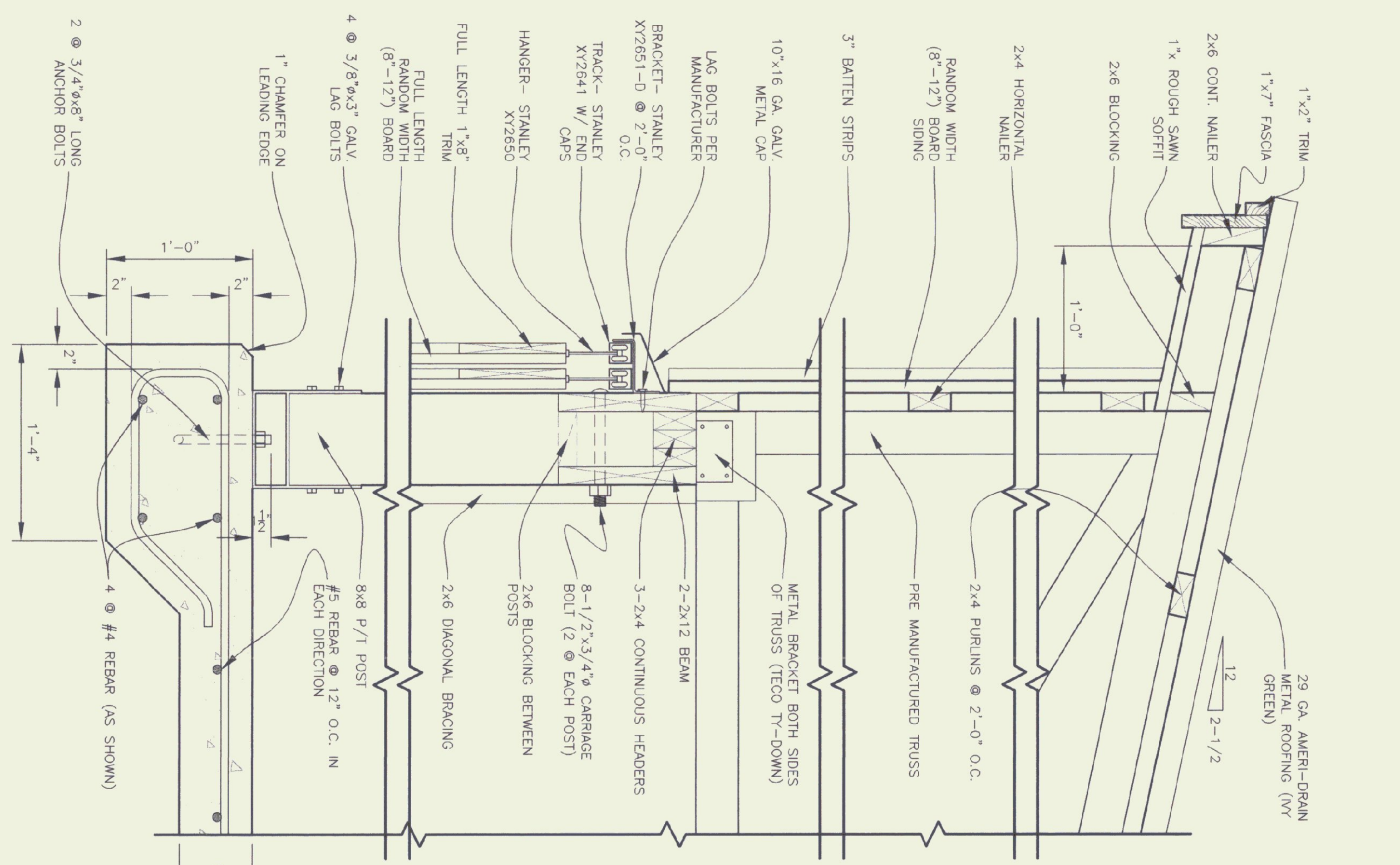
FRONT ELEVATION

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



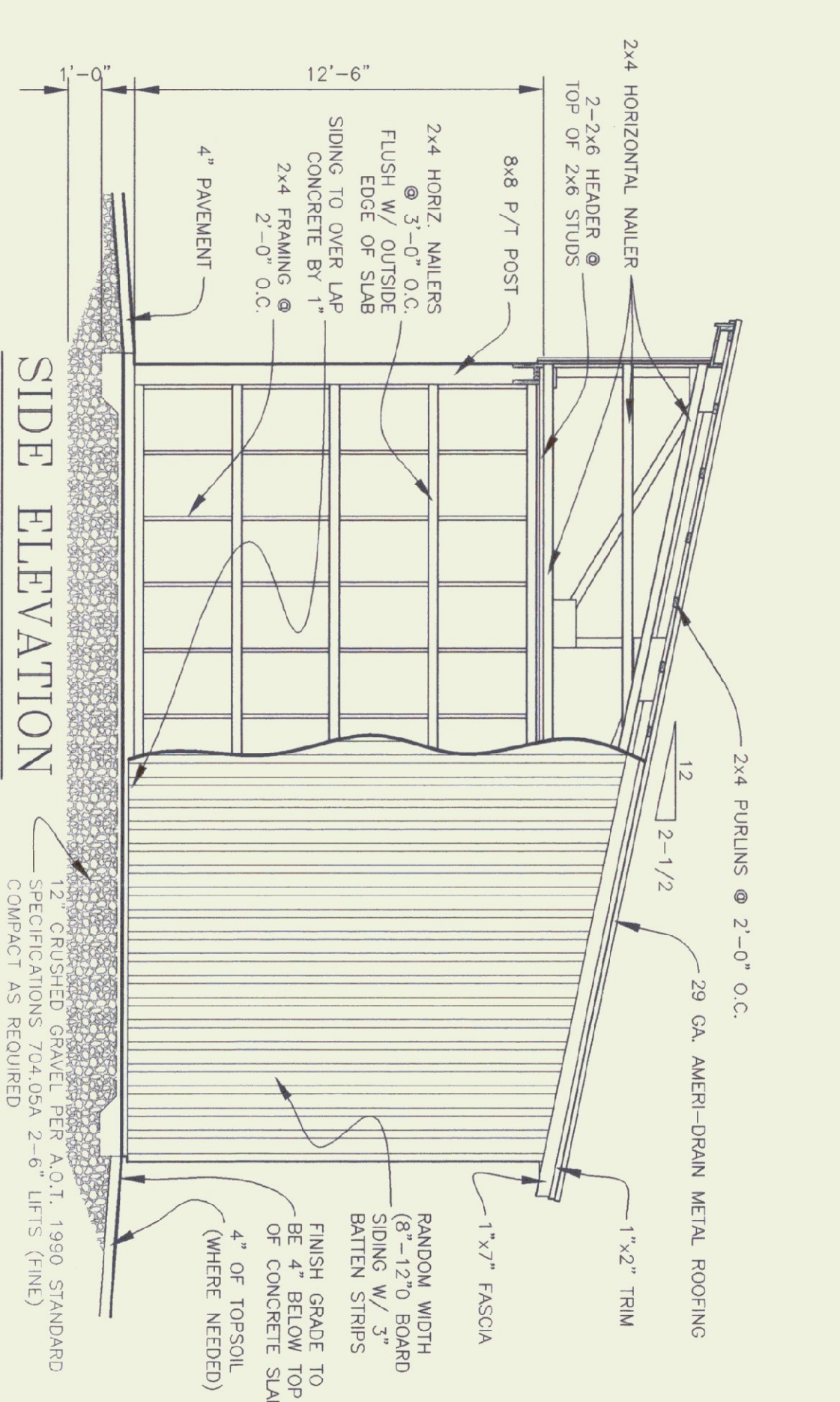
SIDE ELEVATION

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



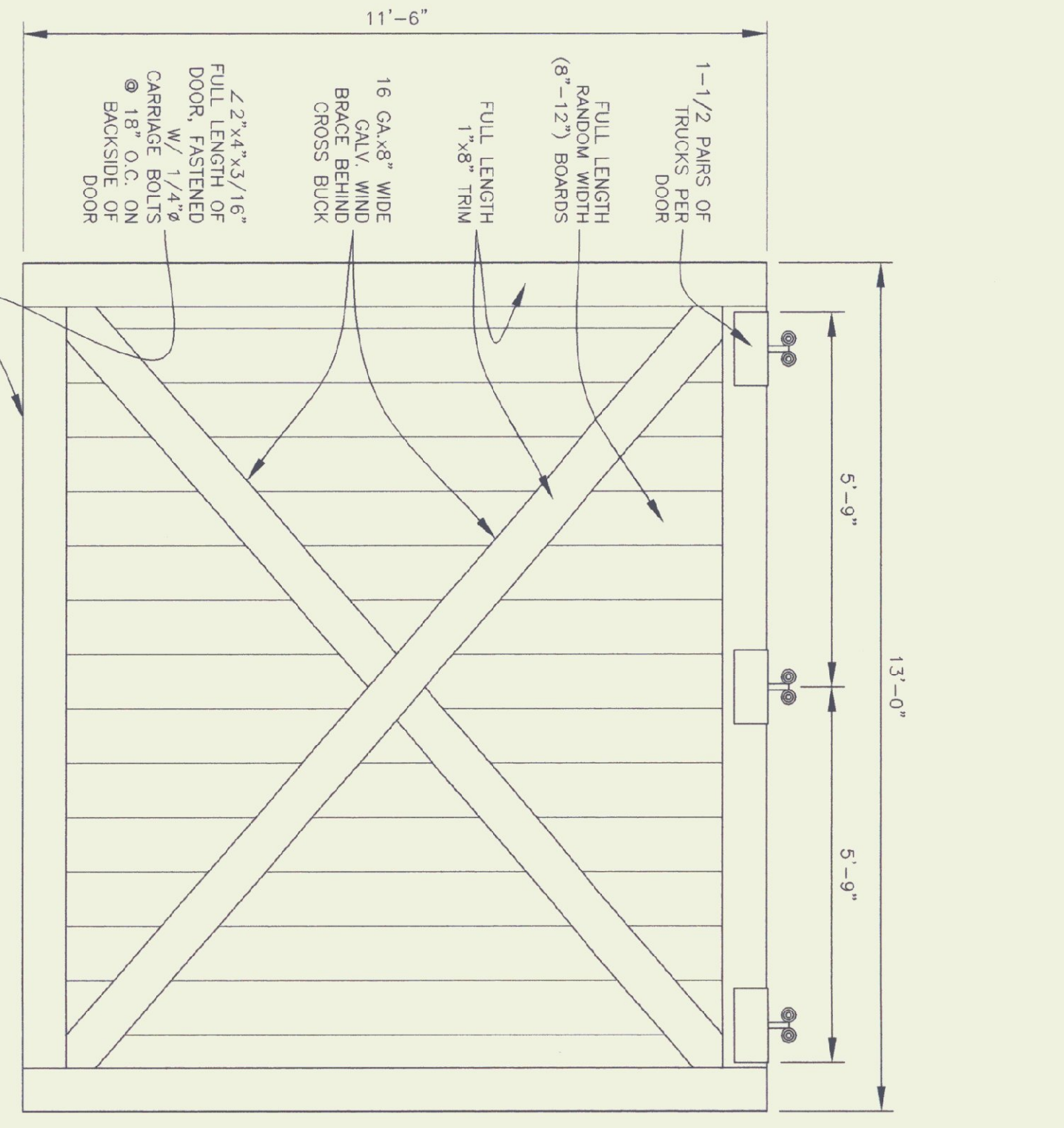
SECTION A-A

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



TYPICAL OF 3

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



DOOR DETAIL

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

GENERAL NOTES

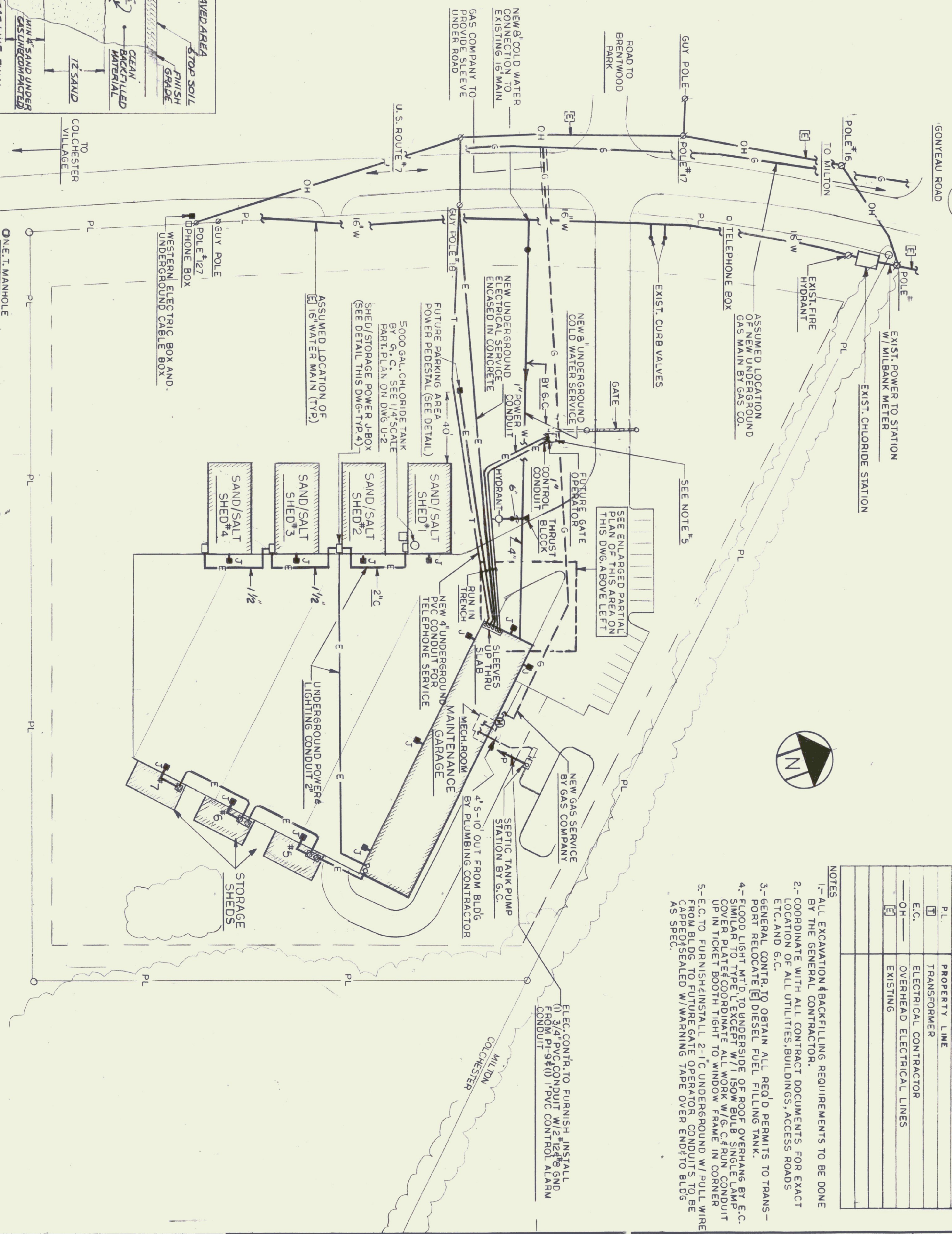
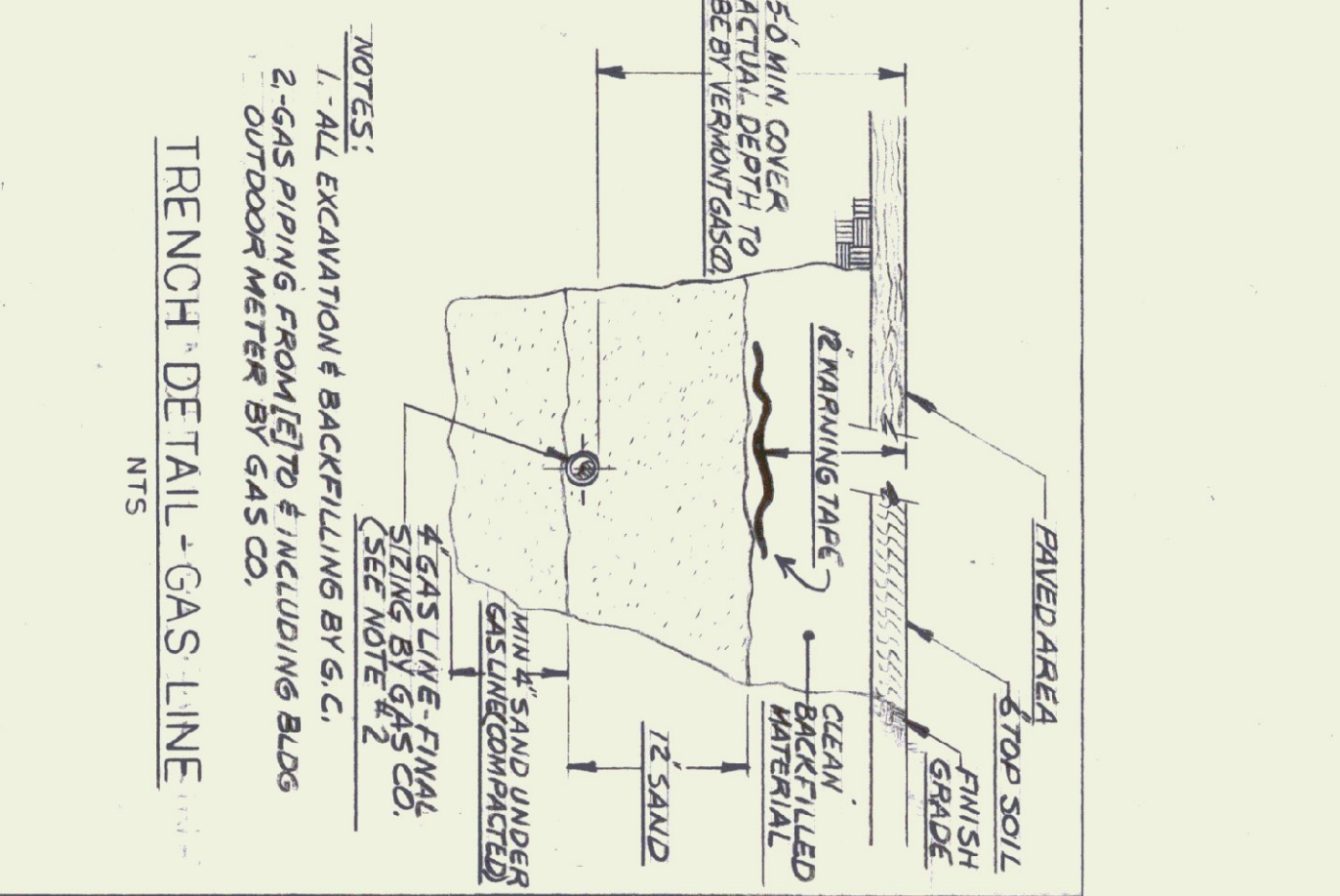
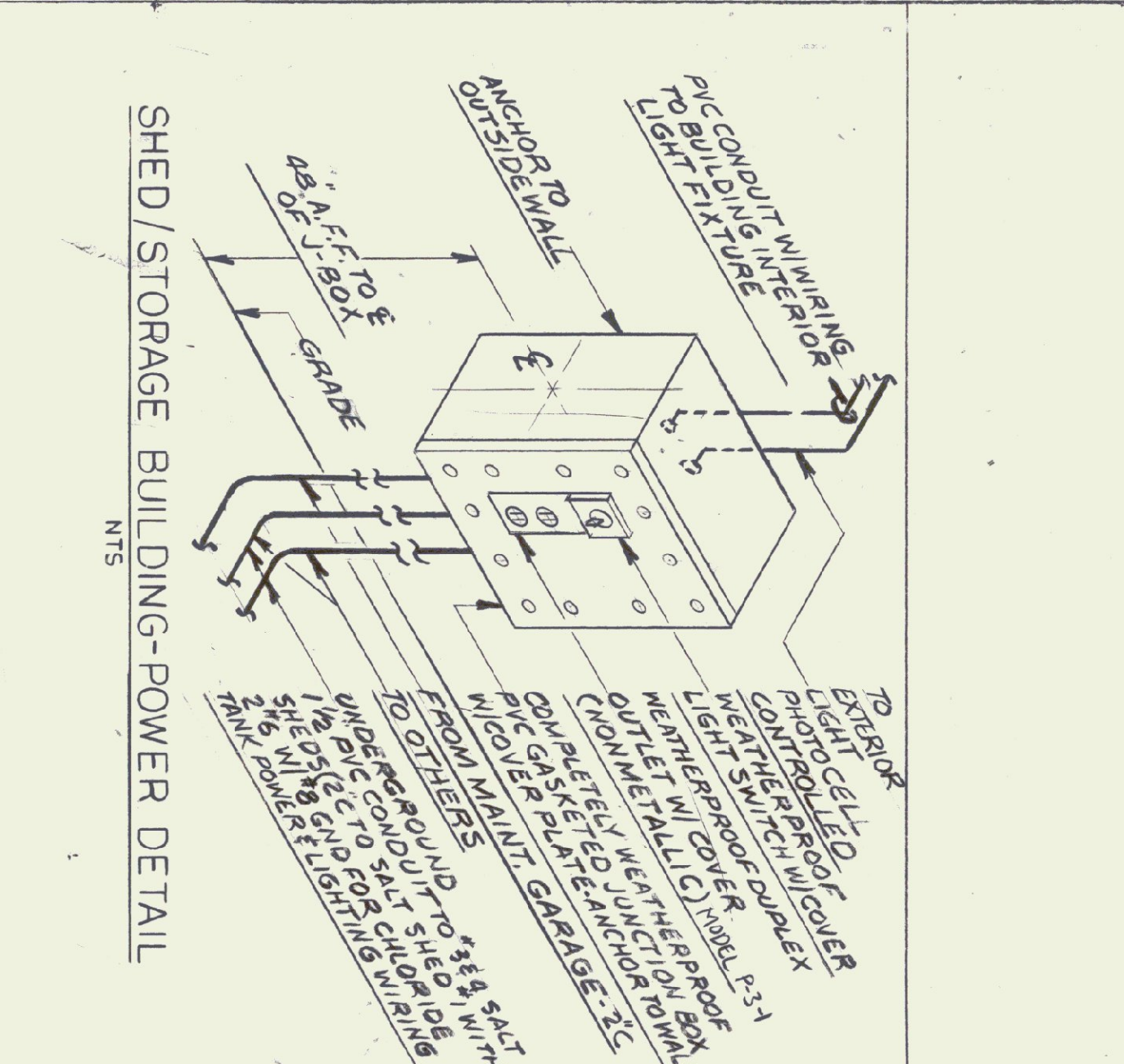
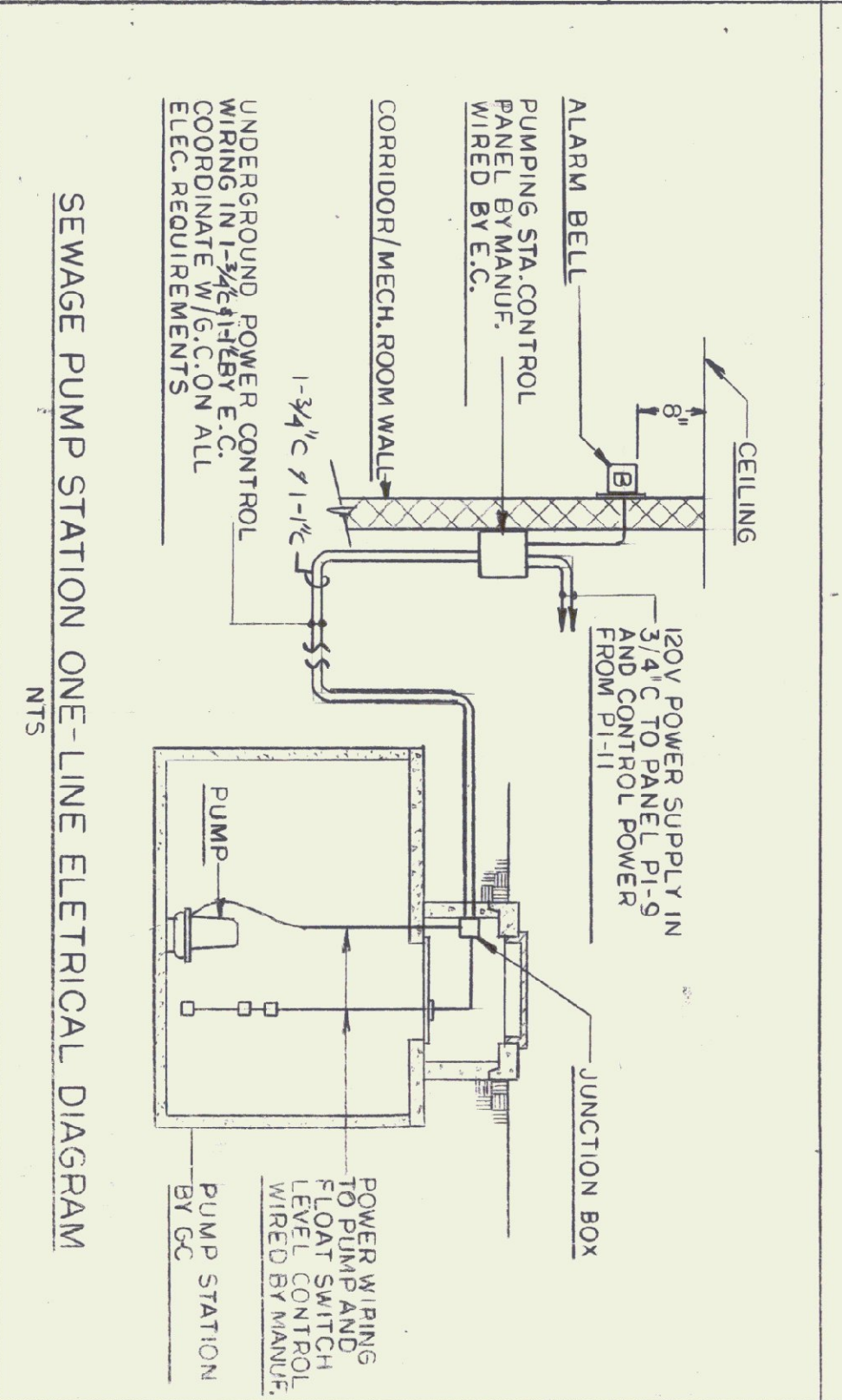
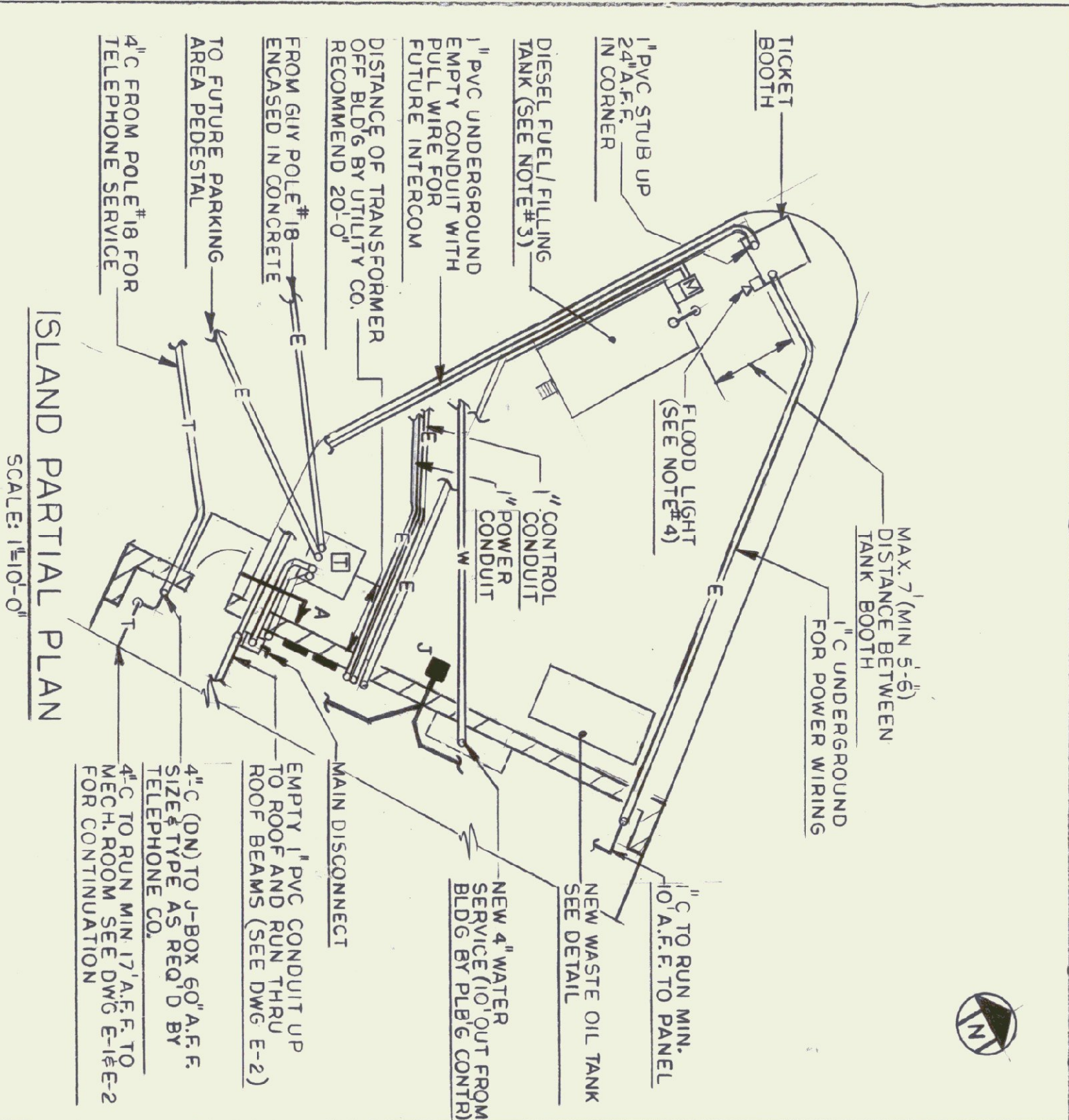
TRUSS NOTES
TRUSS MANUFACTURER TO PROVIDE DEPT. OF STATE BUILDINGS ENGINEER A SET OF ENGINEERED & STAMPED DRAWINGS FOR APPROVAL PRIOR TO TRUSS MANUFACTURE.
TRUSS MANUFACTURER TO PROVIDE THE CONTRACTOR WITH ALL NECESSARY INSTRUCTIONS FOR PROPER TRUSS INSTALLATION, ANCHORAGE, BRACING, LIFTING, ETC.
TRUSS DESIGN LOADS IN ACCORDANCE WITH THE 1987 B.O.C.A. FOR VERMONT.

MINIMUM LOADS:
LIVE - PER 1987 B.O.C.A. FOR VERMONT (40 PSF MIN.)
DEAD - AS CALCULATED FROM TRUSS & ROOF MATERIAL
WIND - 25 PSF
DIAGONAL WIND BRACING PER TRUSS MANUFACTURE.

LUMBER NOTES:
FRAMING MEMBERS TO BE KILN DRIED CONSTRUCTION GRADE SPRUCE S4S 19% MOISTURE CONTENT.
PLATES & NAILERS IN CONTACT WITH CONCRETE TO BE CCA 0.40 TREATED BOARD & BATTEN SIDING, TRIM, AND SOFFIT MATERIAL TO BE NATIVE ROUGH SKIN WHITE PINE, SPRUCE, EASTERN FIR OR RED PINE. BOARDS TO BE RANDOM WIDTH 8'-12" - BATTEN 3".
BOARD SIDING & BATTEN STRIPS TO BE FULL LENGTH (NO HORIZONTAL JOINTS).

FINISH NOTES:
ALL FASTENERS TO BE GALVANIZED AND SHALL BE APPROPRIATELY SIZED.

CONCRETE NOTES: PER A.O.T. STANDARD
STRENGTH: 3500 PSI
FINISH: FLOATED
CURING METHOD: PER TABLE 501.17A



SITE	UTILITIES	LEGEND
—○—	UTILITY POLE	
—E—	EXISTING ELECTRICAL LINE	
—E—	NEW ELECTRICAL LINE	
—●—	SITE LIGHT WALL MOUNTED	
—W—	ELECTRIC METER	
—S—	UNDERGROUND WATER LINE	
—S—	UNDERGROUND SANITARY LINE	
—●—	CURB VALVE	
—●—	THRUST BLOCK	
—●—	FIRE HYDRANT	
—PL—	PROPERTY LINE	
—E.C.—	TRANSFORMER	
—E.C.—	ELECTRICAL CONTRACTOR	
—OH—	OVERHEAD ELECTRICAL LINES	
—E—	EXISTING	

- NOTES
- 1- ALL EXCAVATION & BACKFILLING REQUIREMENTS TO BE DONE BY THE GENERAL CONTRACTOR.
 - 2- COORDINATE WITH ALL CONTRACT DOCUMENTS FOR EXACT LOCATION OF ALL UTILITIES, BUILDINGS, ACCESS ROADS, ETC. AND G.C.
 - 3- GENERAL CONTR. TO OBTAIN ALL NECESSARY PERMITS TO TRANS-PORT RELOCATE [E] DIESEL FUEL FILLING TANK.
 - 4- FLOOD LIGHT MTD. TO UNDERSIDE OF ROOF OVERHANG BY E.C. SIMILAR TO TYPE 'L' EXCEPT W/ 150W GULB SINGLE LAMP COVER PLATE COORDINATE ALL WORK W/ G. C. RUN CONDUIT UP IN TICKET BOOTH TIGHT TO WINDOW FRAME IN CORNER
 - 5- E.C. TO FURNISH & INSTALL 2-1\"/>



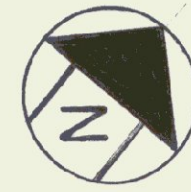
U-1
27 OF 36

SCALE: AS NOTED	REVISIONS
DATE: 10/11/00	FINAL REV 10/11/00
DRAWN BY: DG	
APPR BY: NFL	

AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
COLCHESTER, VERMONT

STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

DORE AND WHITTIER INC.
ARCHITECTS - PROJECT MANAGERS
1966 WILMINGTON ROAD, SOUTH BURLINGTON, VERMONT
N.F. LAURENCE and ASSOC. INC.
113 WEST MAIN STREET NORTHBOROUGH MA.



FURNISH & INSTALL (2) 1" COMPRESSED AIR CONNECTIONS W/ GLAD HANDS IN MECH. BAY AREA (COLUMN LINE 2) BETWEEN DOORS

FOR REEL NO. LUBRICATION, SEE PLAN BELOW

FOR WORK IN THIS AREA SEE SCALE PLAN BELOW

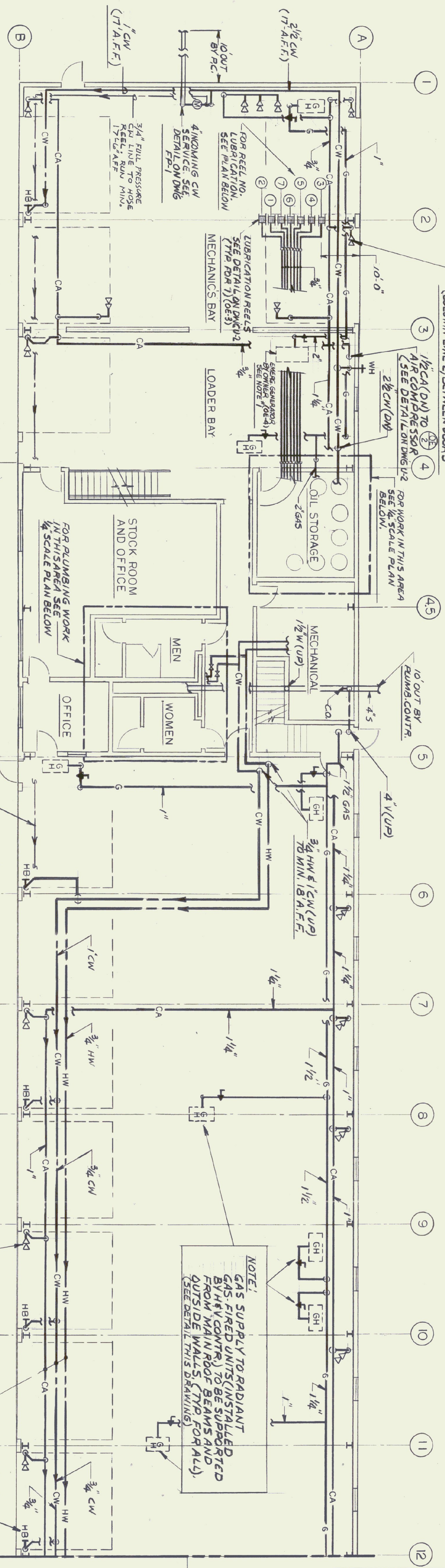
FOR PLUMBING WORK IN THIS AREA SEE SCALE PLAN BELOW

FOR PLUMBING WORK IN THIS AREA SEE SCALE PLAN BELOW

FOR PLUMBING WORK IN THIS AREA SEE SCALE PLAN BELOW

FOR PLUMBING WORK IN THIS AREA SEE SCALE PLAN BELOW

FOR PLUMBING WORK IN THIS AREA SEE SCALE PLAN BELOW



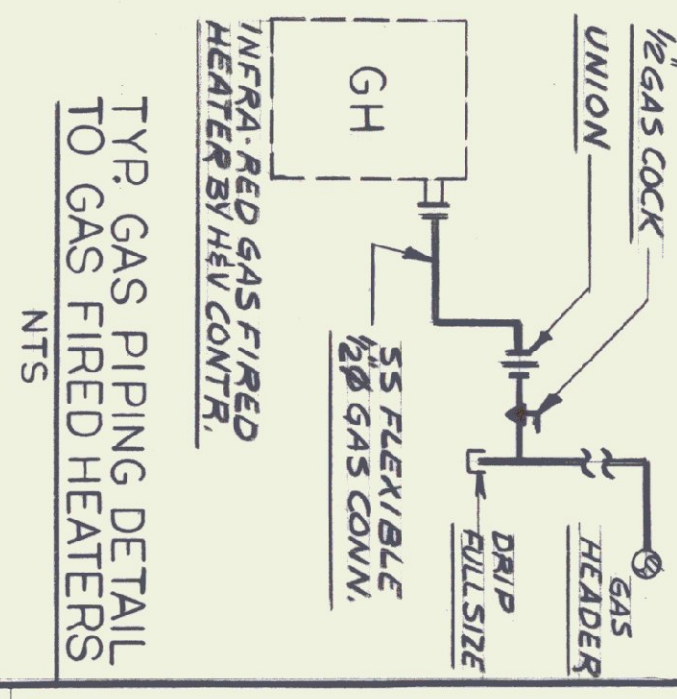
NOTES:
1. EMERGENCY GAS-FIRED GENERATOR BY OWNER, FURNISHED BY OWNER AND INSTALLED BY ELEC. CONTR.
2. PLUMB CONTR. TO FURNISH & INSTALL 2\"/>

PLUMBING-MAIN LEVEL PLAN
SCALE: 1/8\"/>

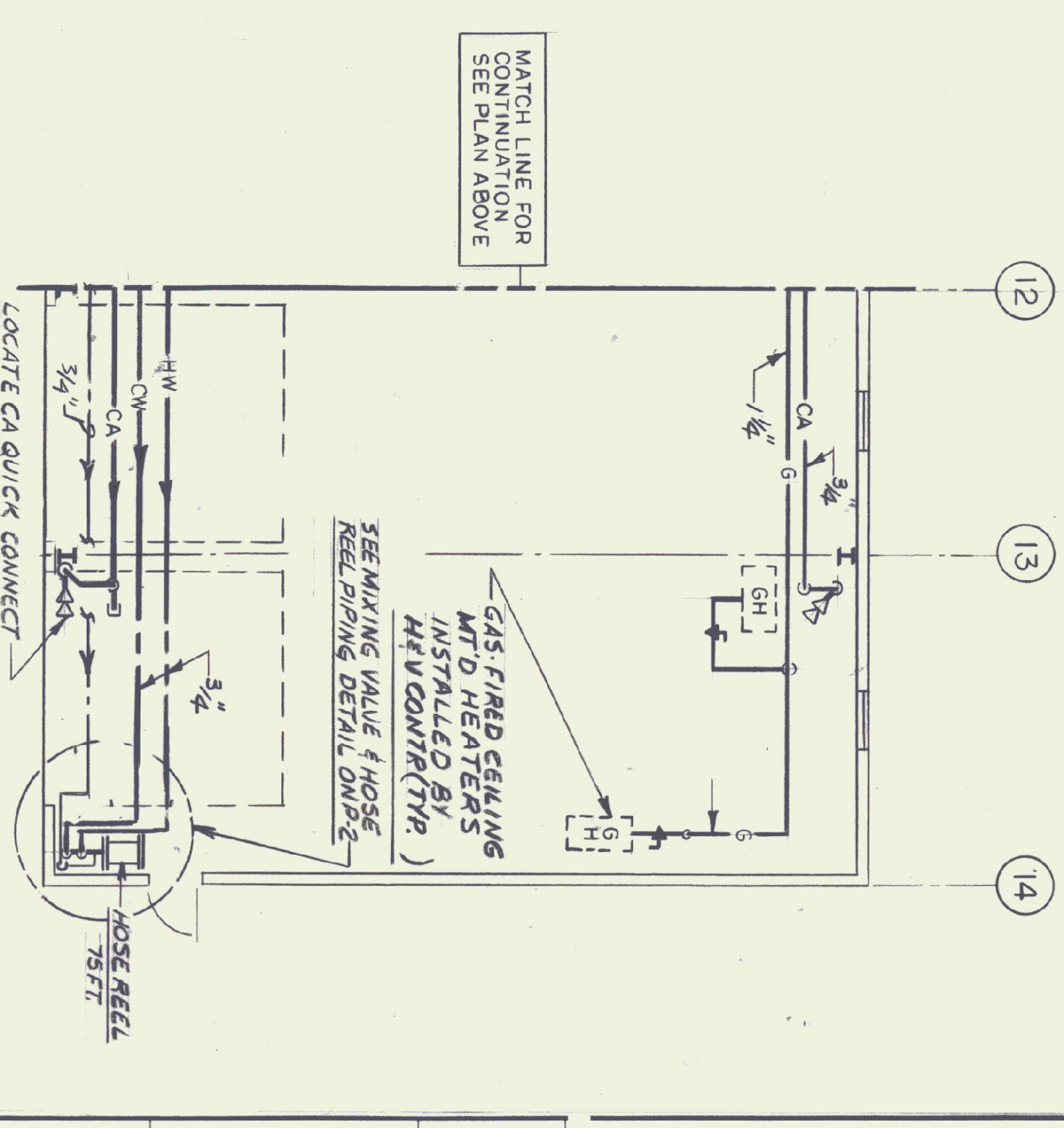
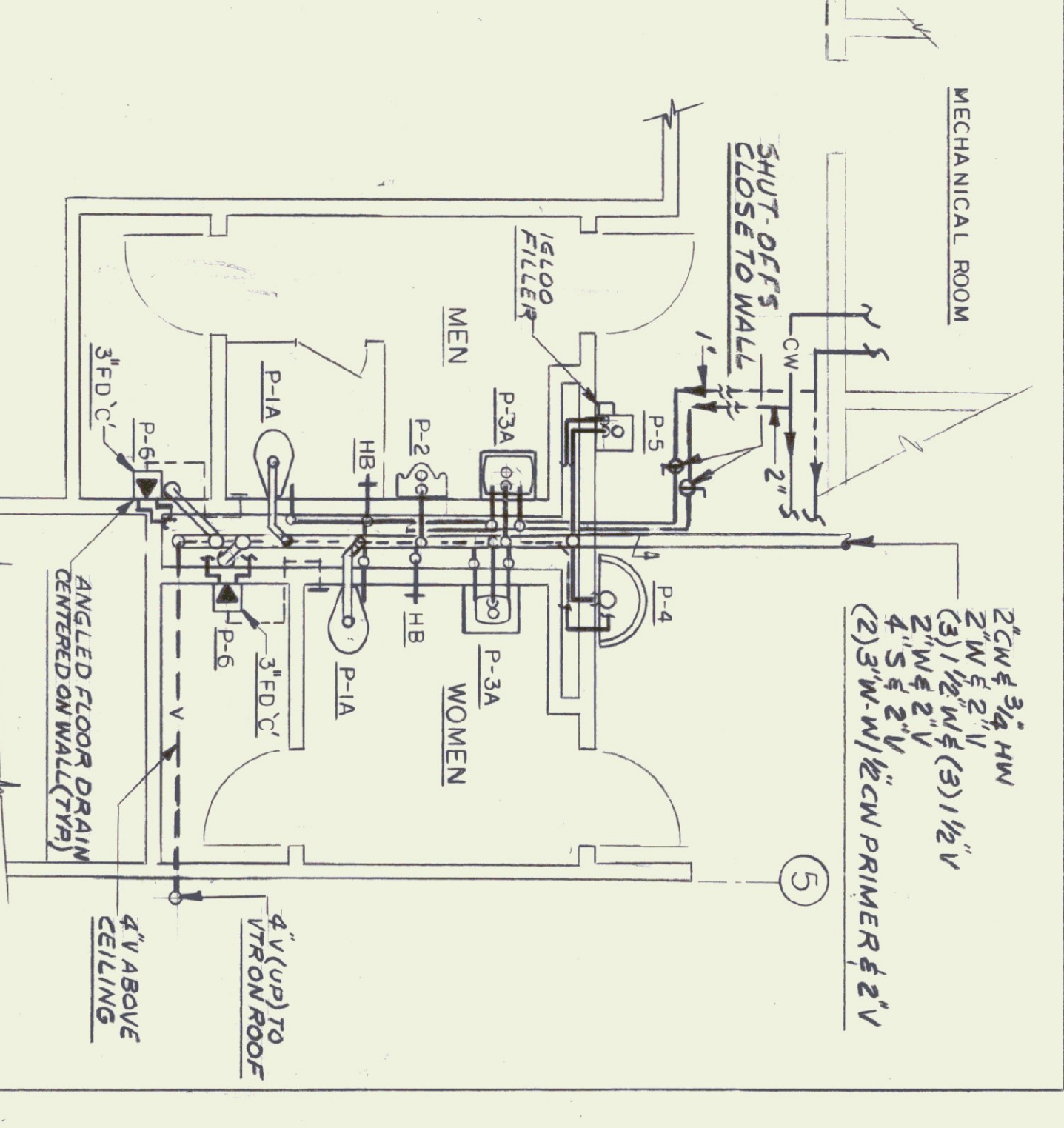
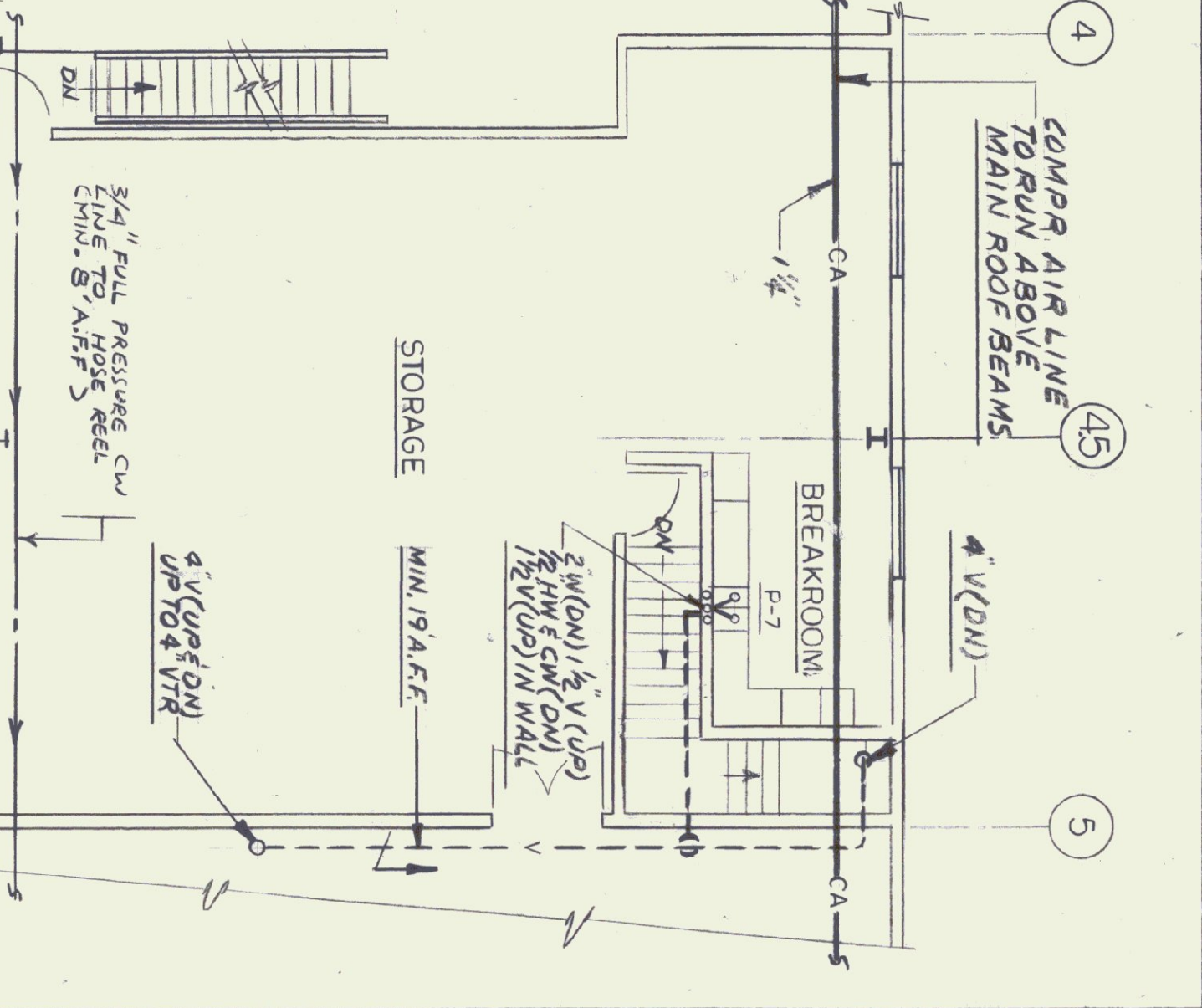
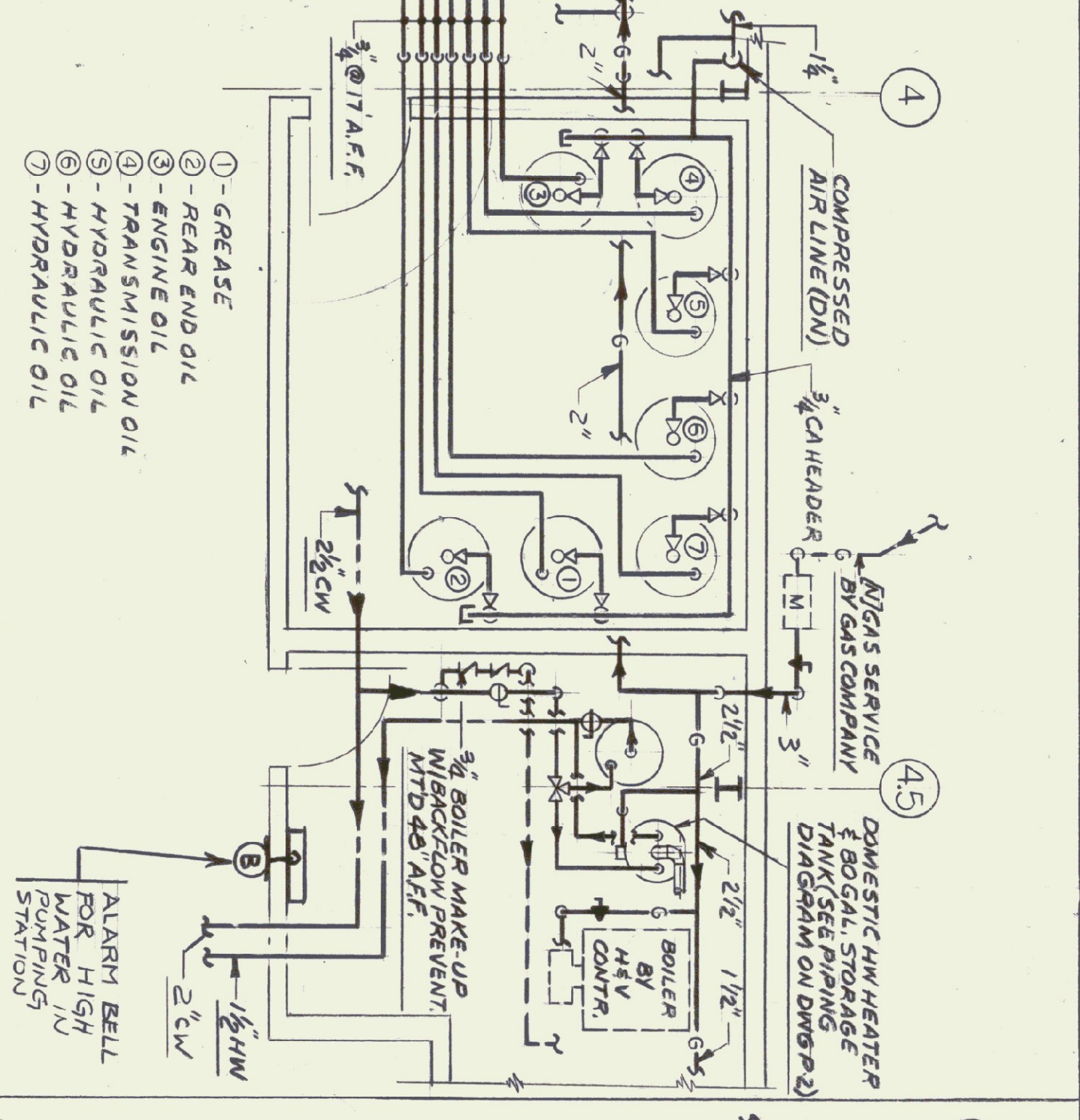
NOTE:
GAS SUPPLY TO RADIANT GAS-FIRED UNITS (INSTALLED BY HEV CONTR.) TO BE SUPPORTED FROM MAIN ROOF BEAMS AND OUTSIDE WALLS. (TYP. FOR ALL). (SEE DETAIL THIS DRAWING)

ALL PIPING RUNNING BETWEEN COLUMN LINES 5-14 TO BE SUPPORTED OFF OUTSIDE WALL & MAIN 2\"/>

MATCH LINE FOR CONTINUATION SEE PLAN BELOW



DORE AND WHITTIER INC. ARCHITECTS • PROJECT MANAGERS
206 WILKINSON ROAD, SOUTH BURLINGTON, VERMONT
N.F. LAURENCE and ASSOC. INC. 113 WEST MAIN STREET NORTHBOROUGH MA.



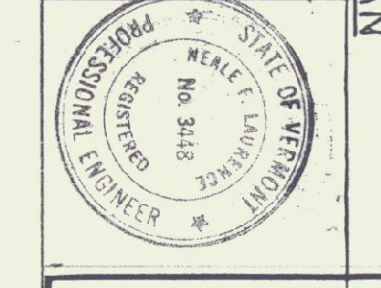
SCALE: AS NOTED
DATE: 10/15/99
DRAWN BY: DG
APPR. BY: NFL

NOTE:
1. SEE GREASE & LUBRICATING OIL SYSTEM PIPING DIAGRAM ON DWG U-2
2. DRAWINGS & ASSOCIATED HOSE REELS BE OWNER (OE) & INSTALLED BY H.C. INCLUDING ALL INTERCONNECTING PIPING VALVES ETC.

SECOND FLOOR PLAN
SCALE: 1/8\"/>

PLUMBING-MEN'S/WOMEN'S AREA-FLOOR PLAN
SCALE: 1/4\"/>

PLUMBING-PARTIAL MAIN LEVEL PLAN
SCALE: 1/8\"/>

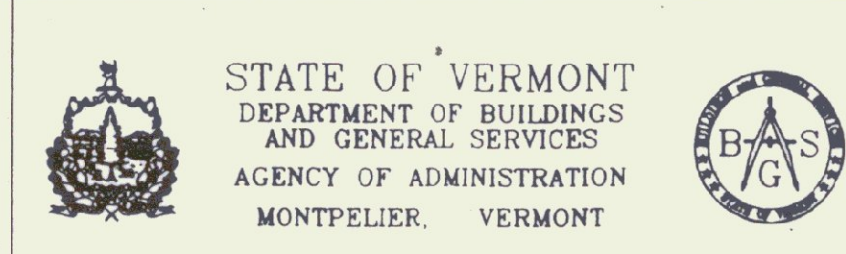


REVISIONS
1. 1/10/00
2. 1/10/00
3. 1/10/00

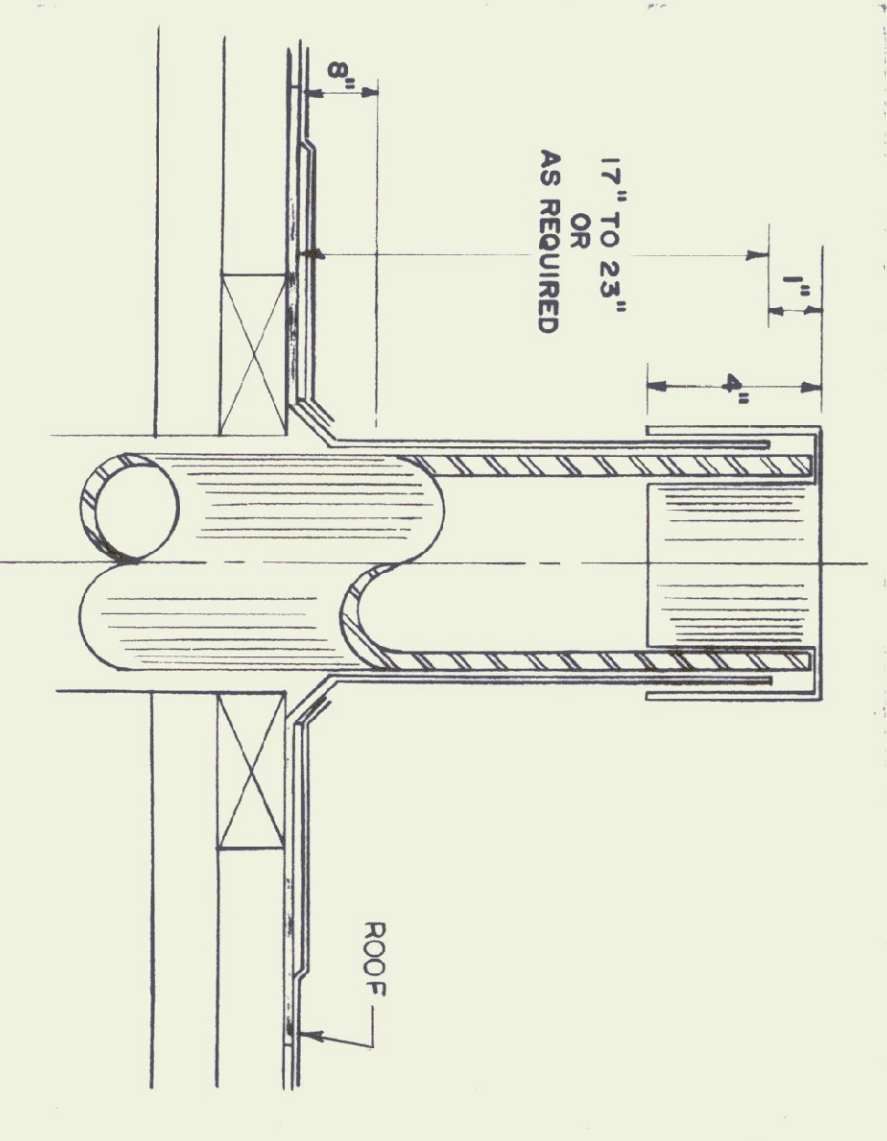
SCALE: AS NOTED
DATE: 10/15/99
DRAWN BY: DG
APPR. BY: NFL

AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
COLCHESTER, VERMONT

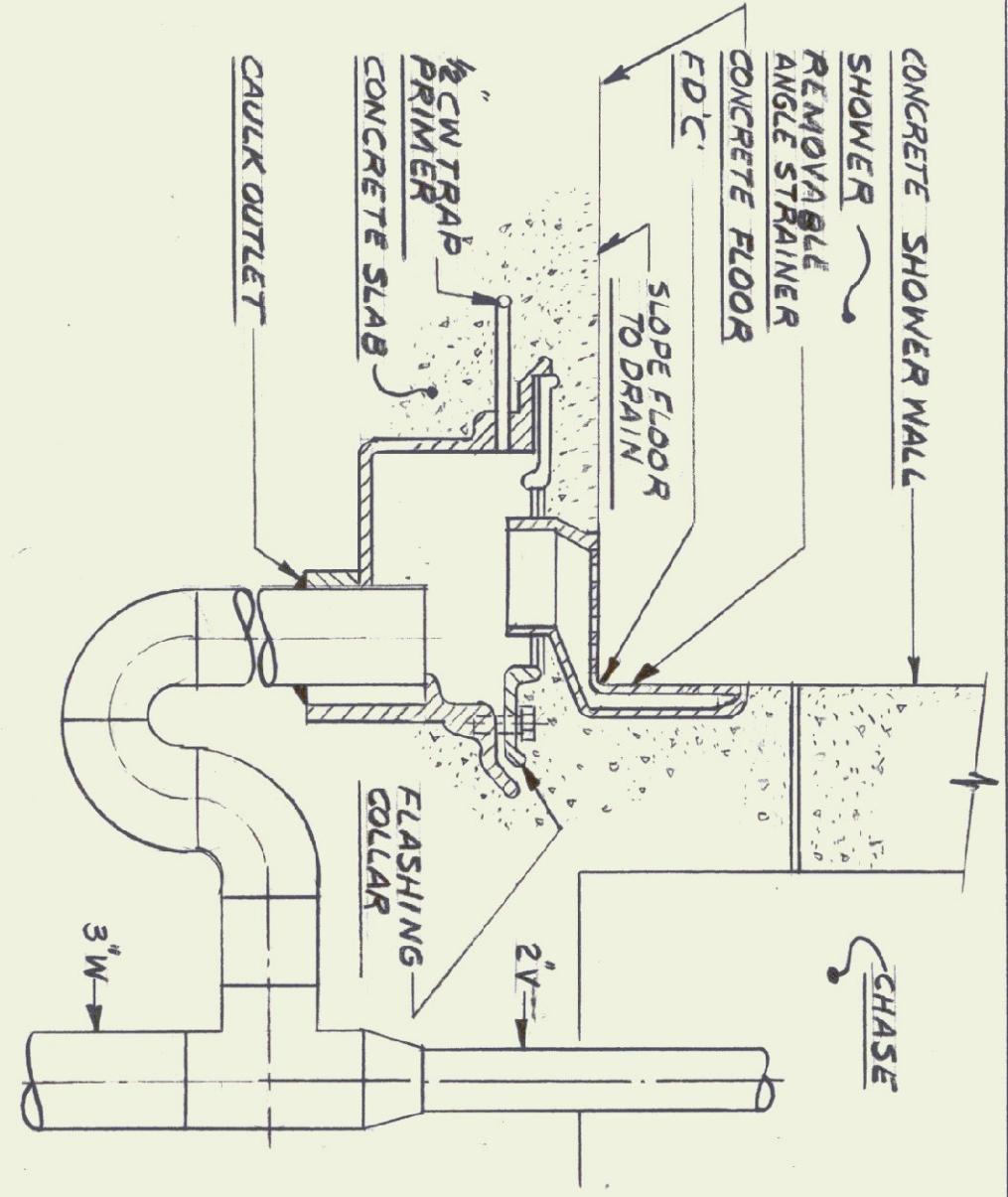
STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT



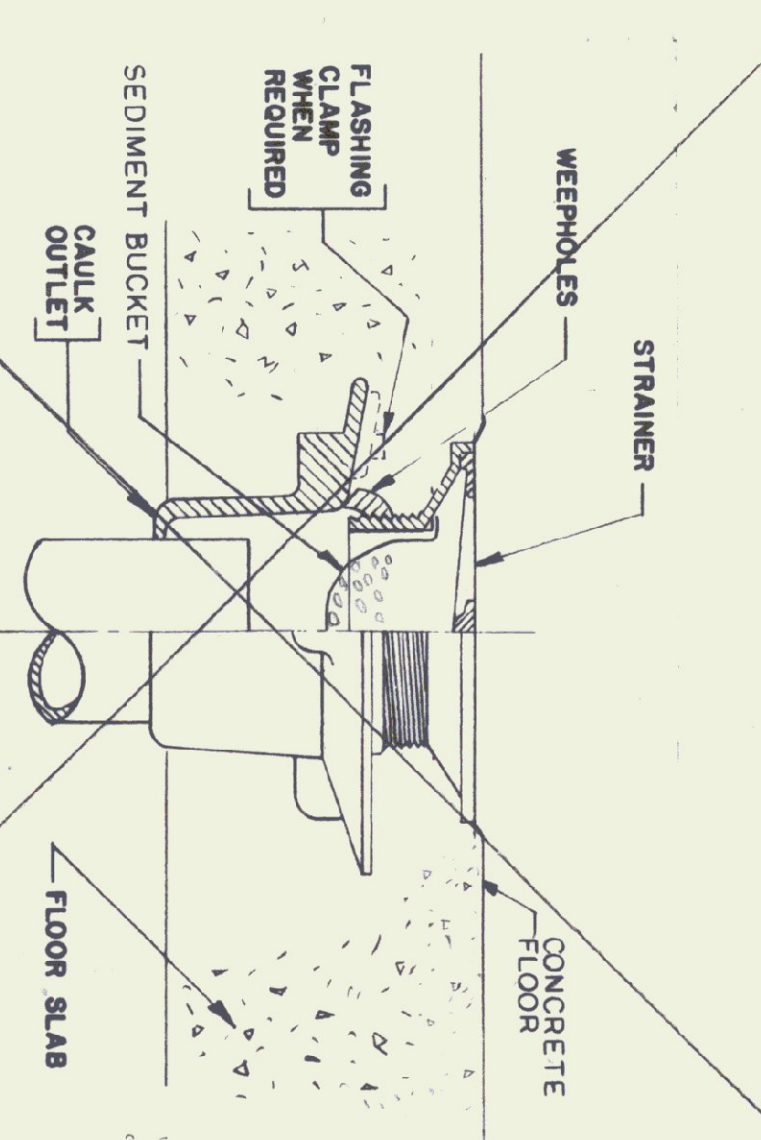
DORE AND WHITTIER INC. ARCHITECTS • PROJECT MANAGERS
206 WILKINSON ROAD, SOUTH BURLINGTON, VERMONT
N.F. LAURENCE and ASSOC. INC. 113 WEST MAIN STREET NORTHBOROUGH MA.



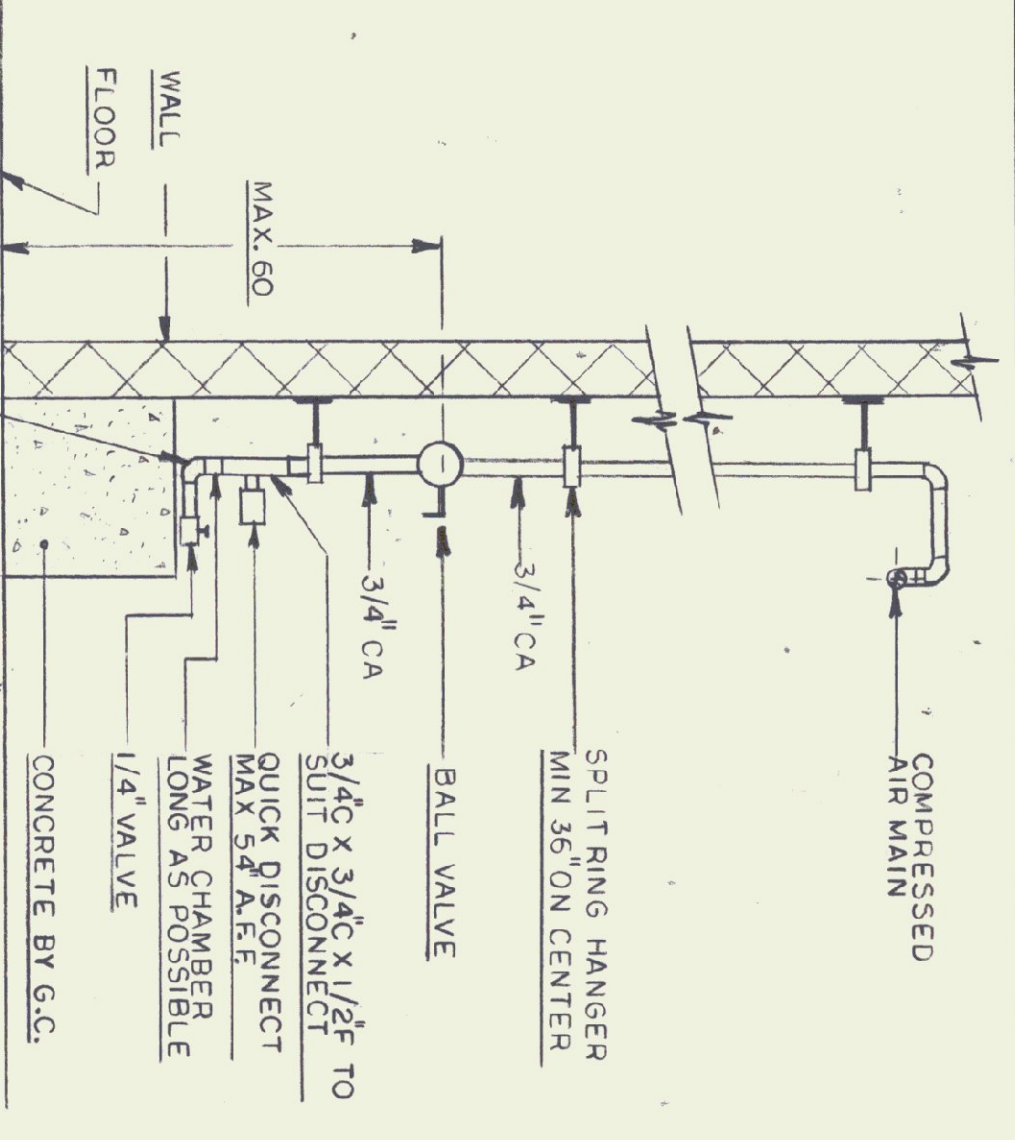
ROOF VENT DETAIL
NOT TO SCALE



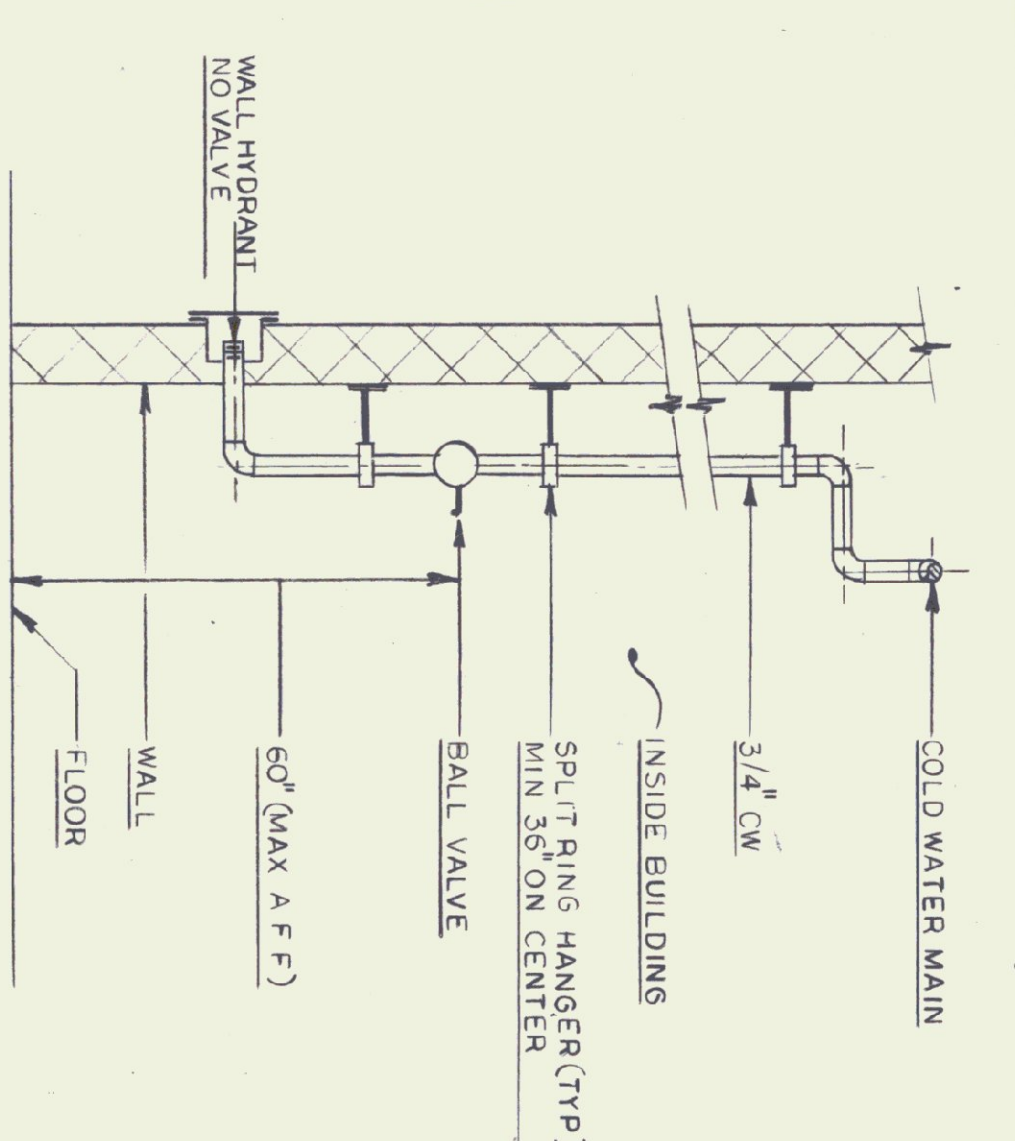
SHOWER -
TYPE FD'C - ANGLE FLOOR DRAIN DETAIL
NTS



FLOOR DRAIN DETAIL
NOT TO SCALE



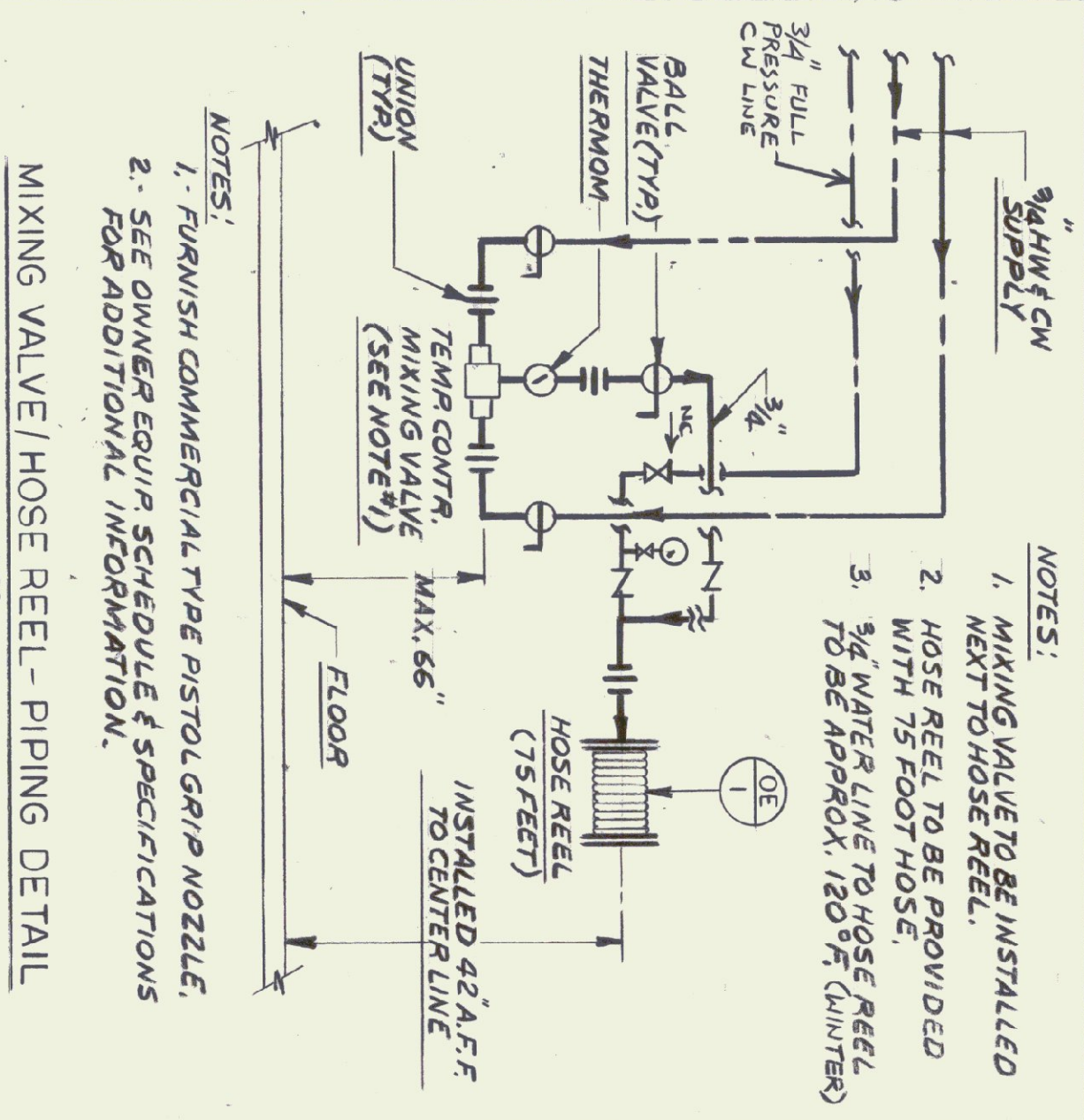
TYPICAL COMPRESSED AIR PNEUMATIC OUTLET DETAIL
NTS



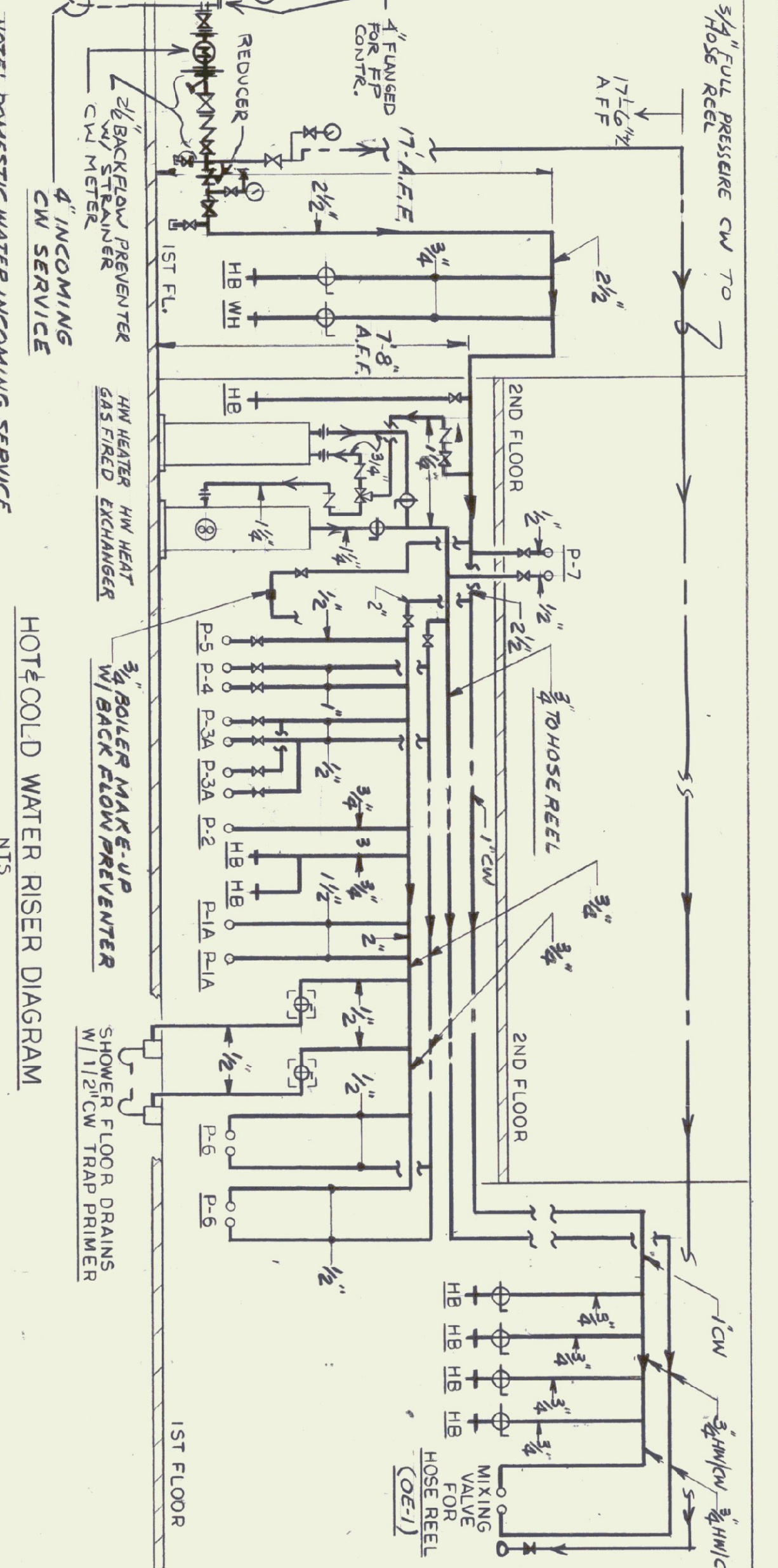
TYPICAL OUTSIDE WALL HYDRANT DETAIL
NTS

PLUMBING FIXTURE & RUNOUT SCHEDULE						
MARK	FIXTURE	DESCRIPTION	COLD WATER	HOT WATER	WASTE	VENT
P-1A	WATERCLOSET	WALL HUNG, HANDICAPPED USE	1 1/2"	1 1/2"	4"	2"
P-2	URINAL	WALL HUNG	3/4"		2"	2"
P-3A	LAVATORY	WALL HUNG, HANDICAPPED USE	1 1/2"	1 1/2"	1 1/2"	1 1/2"
P-4	WASHFOUNTAIN		1 1/2"	1 1/2"	2"	2"
P-5	WATER COOLER	WITH 15 GLO FILLER	1 1/2"		1 1/2"	1 1/2"
P-6	SHOWER		1 1/2"	1 1/2"	3"	2"
P-7	KITCHEN SINK		1 1/2"	1 1/2"	2"	1 1/2"

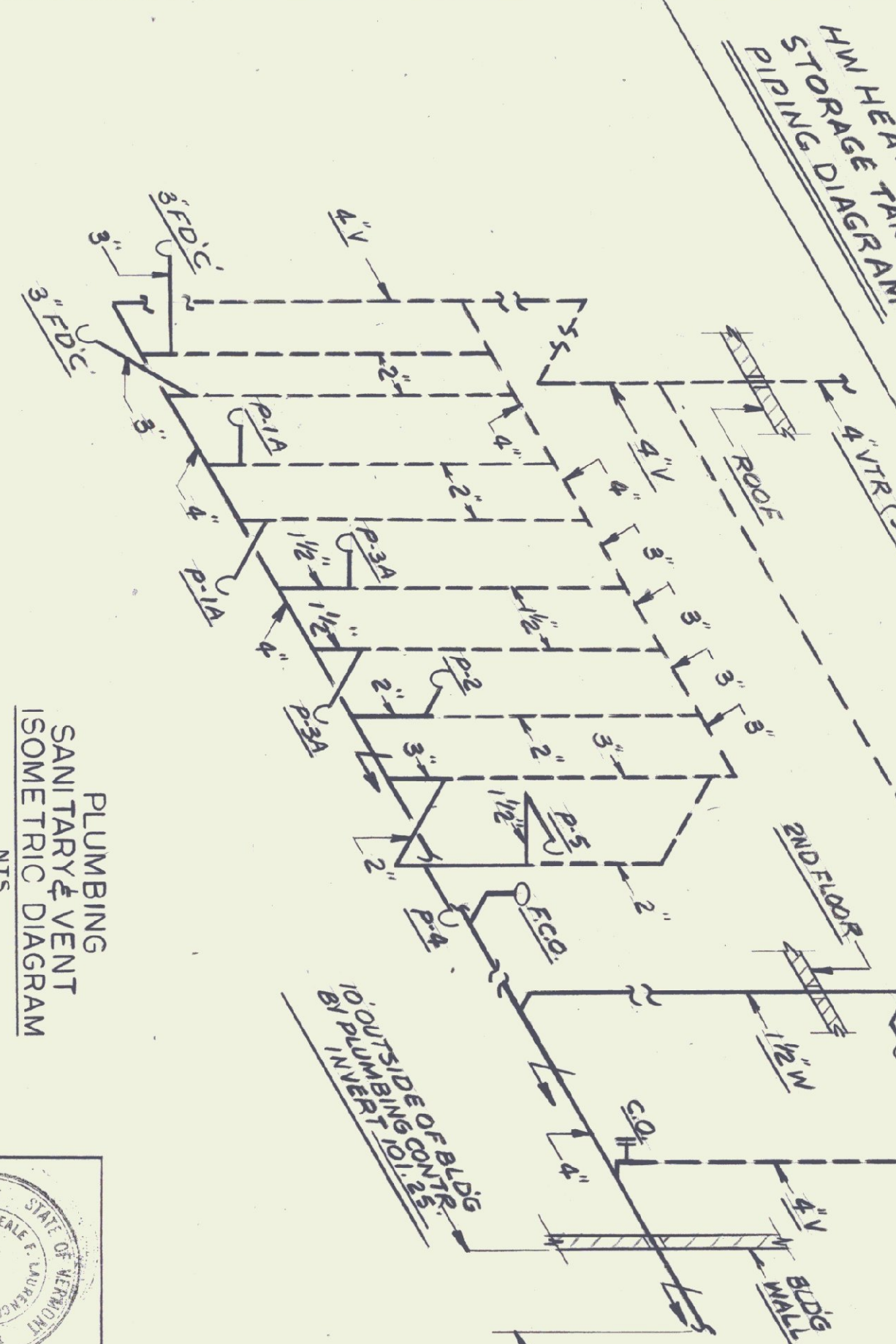
OWNER EQUIPMENT SCHEDULE					
MARKING	DESCRIPTION	MANUF. #	MECHANICAL REQUIREMENTS	ELECTRIC REQUIREMENTS	REMARKS
DE	HAND GRANK HOSE REEL FOR WASHING TRUCKS	FELCRAFT H-19000	3/4" TEMPERED WATER PWS 3/4" FULL PWS 3/4"	N/A	WITH 75 HOSE
DE	AIR COMPRESSED AIR SYSTEM	CHAMPION VR 5-9 80 GAL	INSTALL 1/2" COMPRESS AIR REEL & PURSUING	230V/1 PHASE AIR COMPRESS 70 AMP	80-117446 BT OWNER ONLY
DE	GENERATOR	ALEMITE	COMPRESSED AIR REEL & PURSUING SYSTEM	N/A	
DE	EMERGENCY GENERATOR	SOUTHWORTH MILTON (NH)	2" GAS SUPPLY	INSTALLED & WIRED	



MIXING VALVE / HOSE REEL - PIPING DETAIL
NTS



HOT & COLD WATER RISER DIAGRAM
NTS



PLUMBING SANITARY & VENT ISOMETRIC DIAGRAM
NTS

PLUMBING LEGEND	
✓	SANITARY OR WASTE LINE (ABOVE GROUND)
✓	SANITARY OR WASTE LINE (BELOW GROUND)
✓	STORM LINE (ABOVE GROUND)
✓	STORM LINE (BELOW GROUND)
✓	GAS LINE
✓	COMPRESSED AIR LINE
✓	FIRE LINE
✓	VENT LINE (ABOVE GROUND)
✓	VENT LINE (BELOW GROUND)
✓	COLD WATER LINE (ABOVE GROUND)
✓	COLD WATER LINE (BELOW GROUND)
✓	HOT WATER RECIRCULATING LINE
✓	CLEAN OUT
✓	FLOOR CLEAN OUT
✓	WALL HYDRANT OR HOSE BIBB
✓	GLOBE VALVE
✓	CHECK VALVE
✓	GATE VALVE
✓	FLOOR DRAIN WITH TRAP
✓	EXISTING
✓	POINT OF NEW PLUMBING CONNECTION TO EXISTING
✓	SANITARY LINE
✓	STORM LINE
✓	VENT LINE
✓	WASTE LINE
✓	TRAP
✓	ROOF DRAIN
✓	COLD WATER LINE
✓	ANGLED FLOOR DRAIN
✓	QUICK DISCONNECT
✓	SHOWER
✓	BALL VALVE
✓	VACUUM BREAKER
✓	NORMALLY CLOSED
✓	NOT IN CONTRACT

AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
VERMONT

SCALE: AS NOTED
DATE: 10/15/99
DRAWN BY: DG
APPR BY: NFL

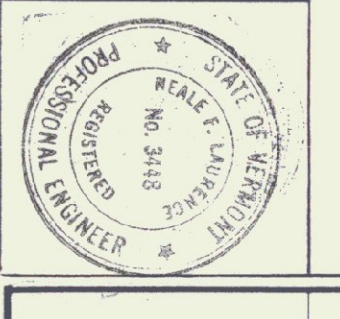
REVISIONS
1. 10/15/99
2. 10/15/99

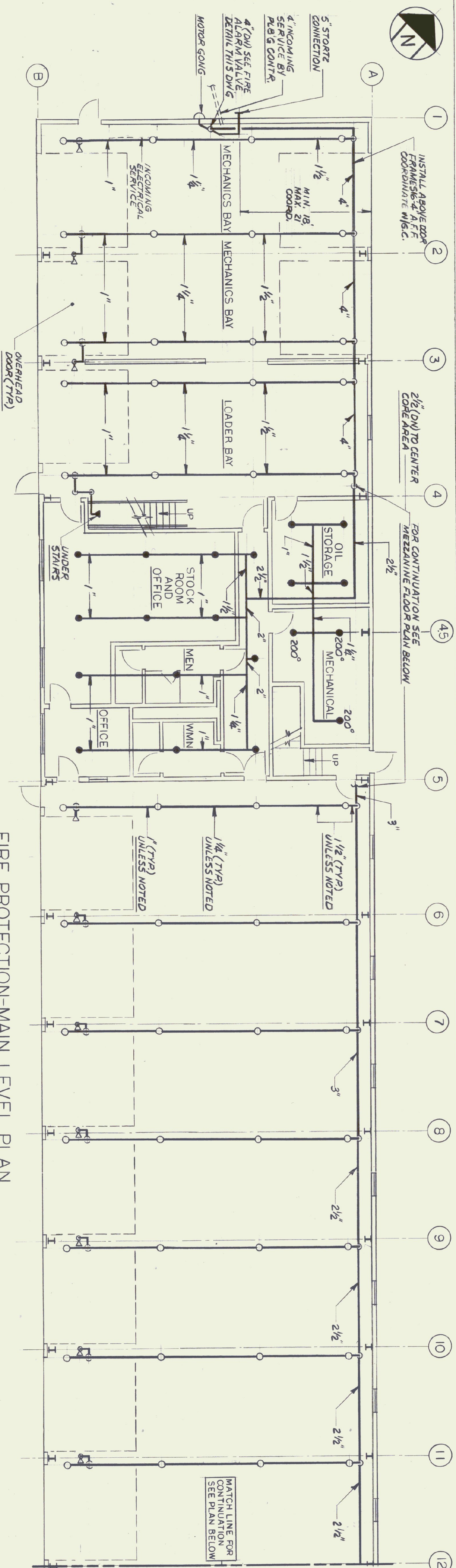
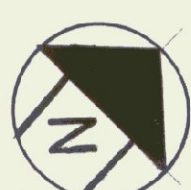
PLUMBING LEGEND DETAILS

STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
ONE WILLOW ROAD, SOUTH DUBLINGTON, VERMONT

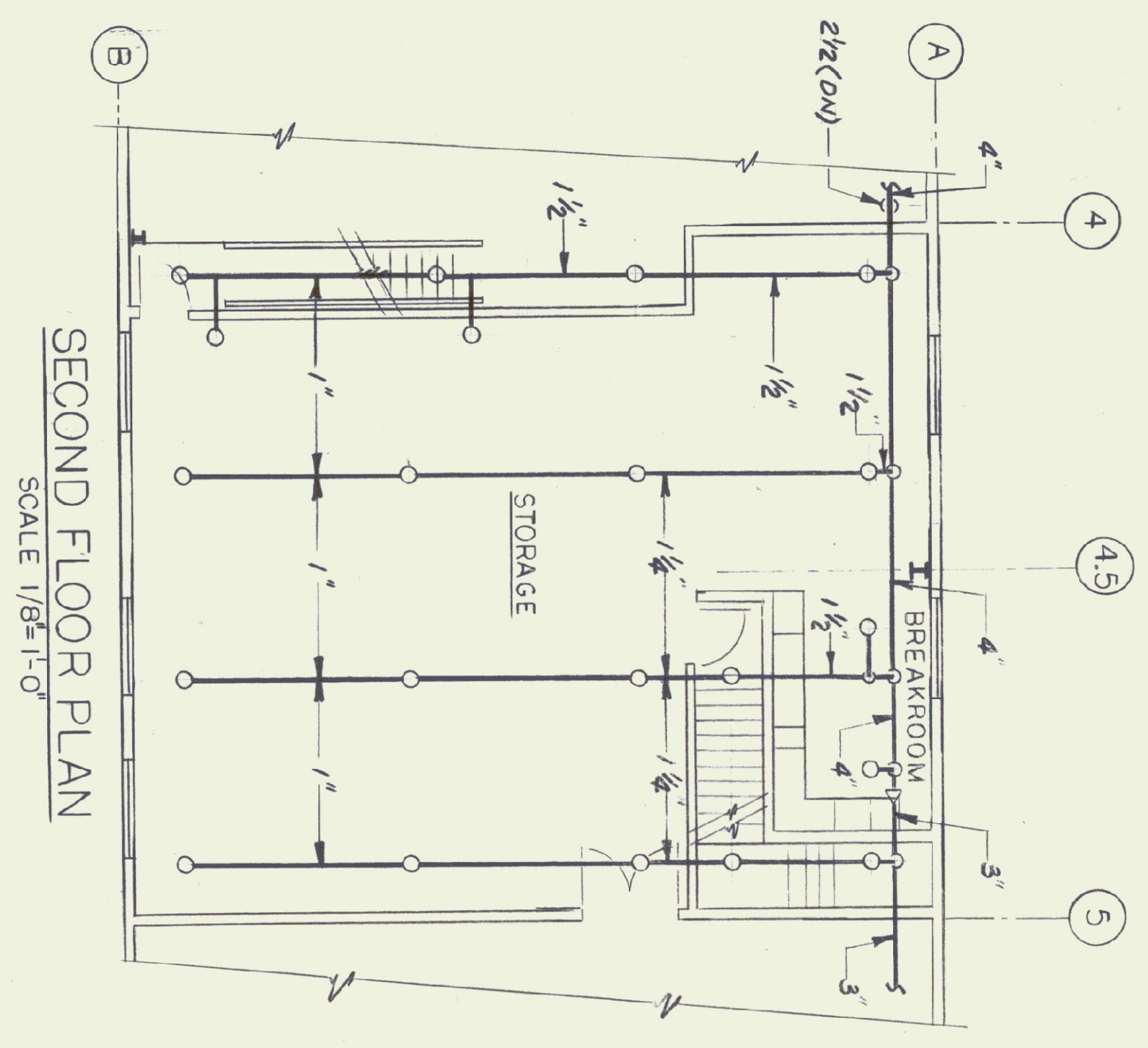
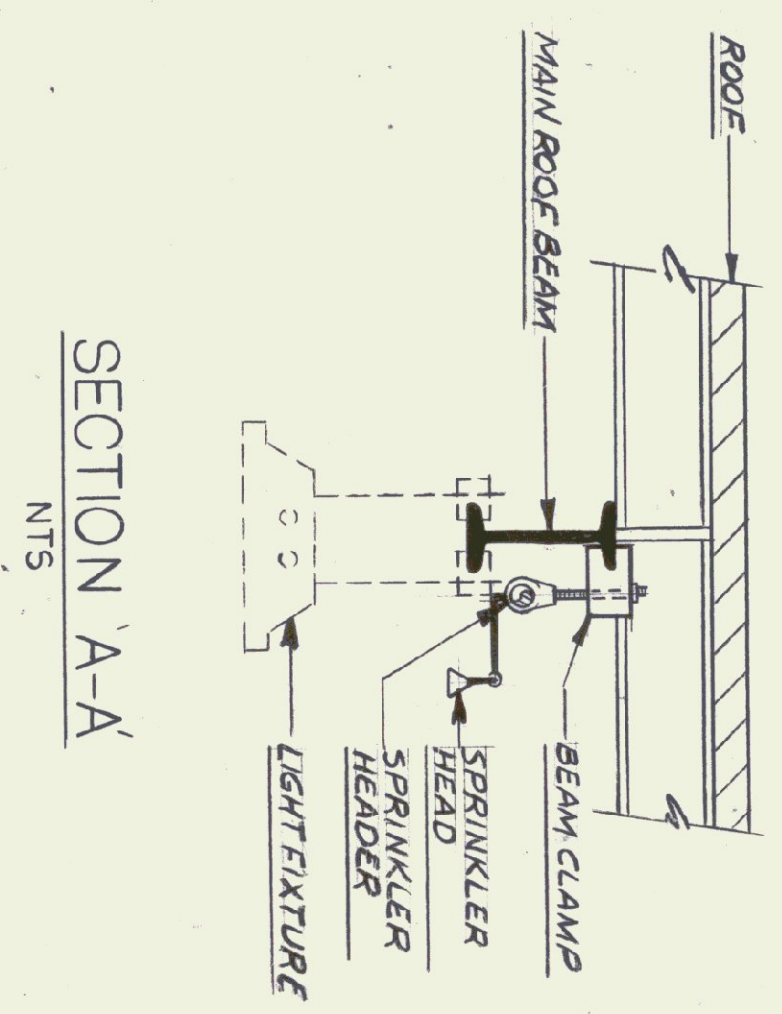
N.F. LAURENCE and ASSOC. INC.
113 WEST MAIN STREET NORTHBOROUGH MA.



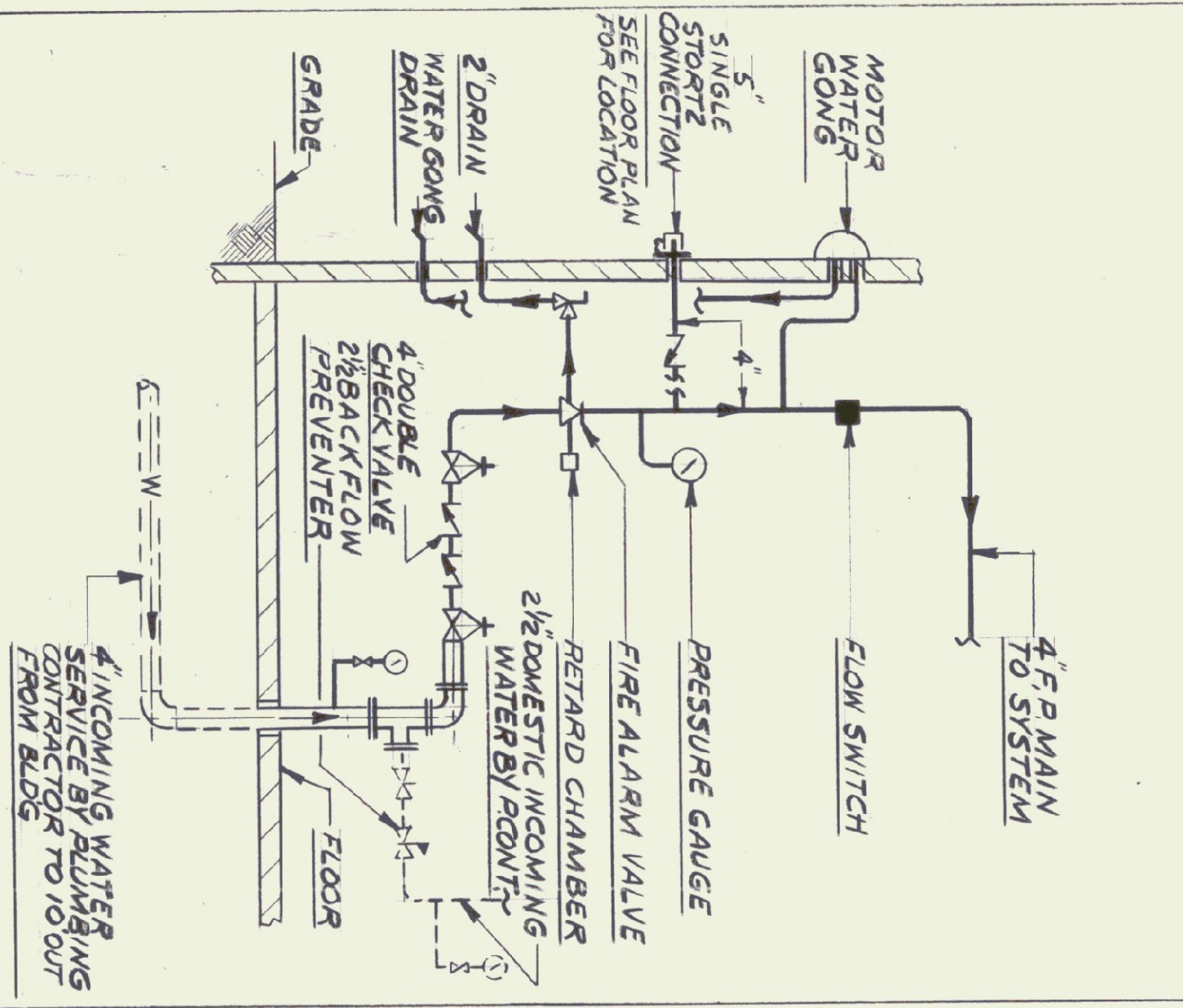


FIRE PROTECTION LEGEND	
○	UPRIGHT SP HEAD
●	PENDANT SP HEAD
▲	SIDEWALL SP HEAD
□	FIRE PROTECTION
SP	SPRINKLER
FDV	FIRE DEPT VALVE
OS&V	OUTSIDE SCREEN+YOKE
OS&V	VALVE W/ TAMPER SW
□	CHECK VALVE
Δ	FLOW SWITCH
Δ	FIRE ALARM VALVE
—	SPRINKLER/ FIRE PROTECTION LINE

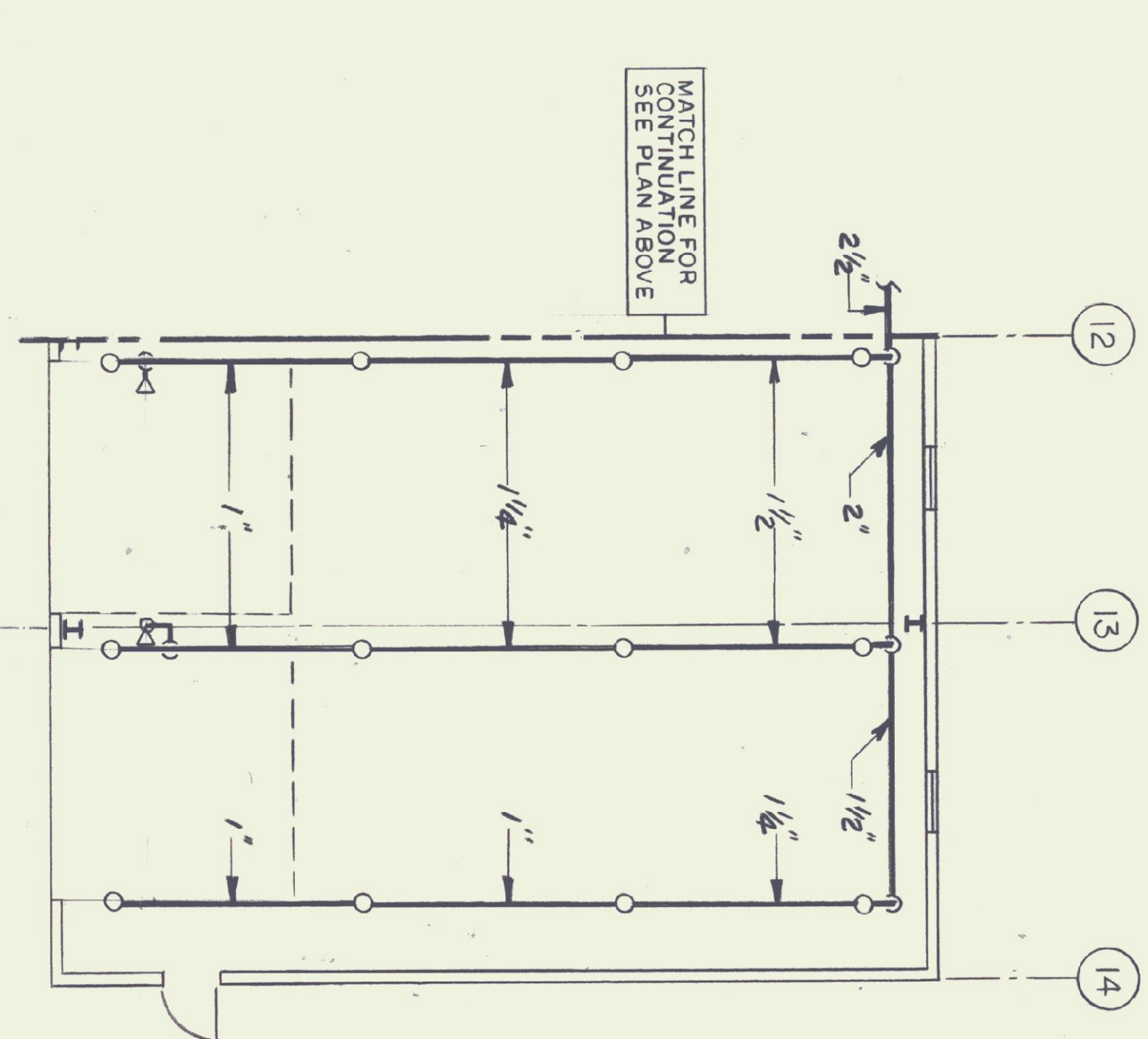
FIRE PROTECTION-MAIN LEVEL PLAN
SCALE 1/8"=1'-0"



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



FIRE ALARM VALVE DETAIL
NTS



FIRE PROTECTION-PARTIAL MAIN LEVEL PLAN
SCALE: 1/8"=1'-0"



FP-1
31 OF 36

MAINTENANCE GARAGE
FIRE PROTECTION MAIN LEVEL PLAN
2ND FLOOR PLAN

SCALE: AS NOTED
DATE: 10/15/99
DRAWN BY: KA, DG
APPR BY: NFL

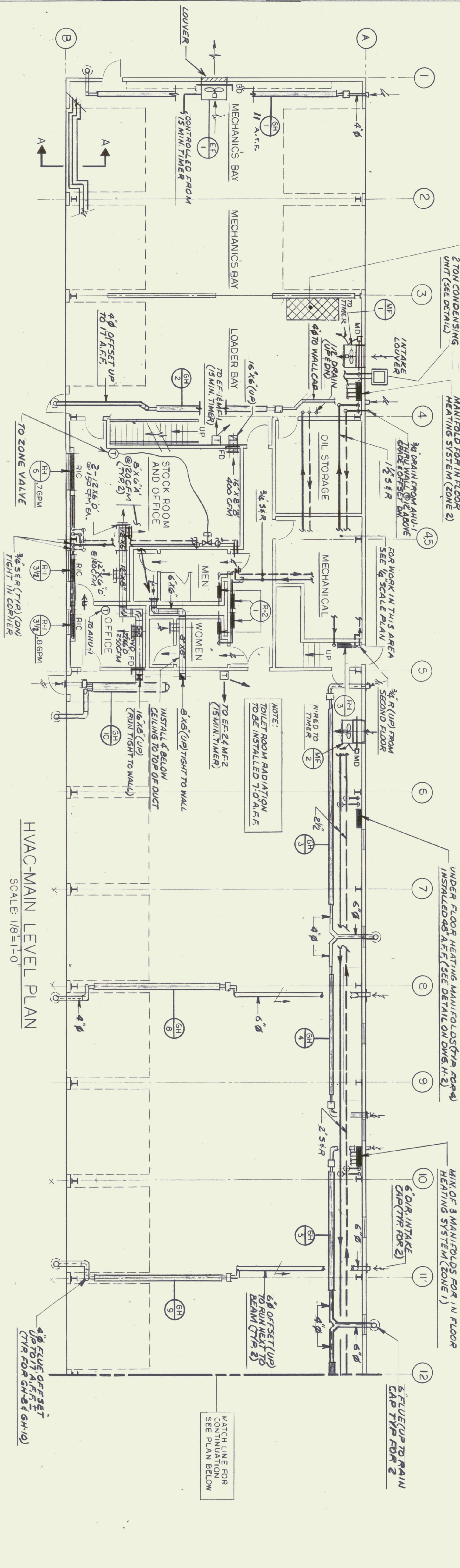
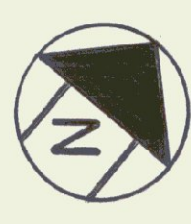
COLCHESTER

AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
COLCHESTER, VERMONT

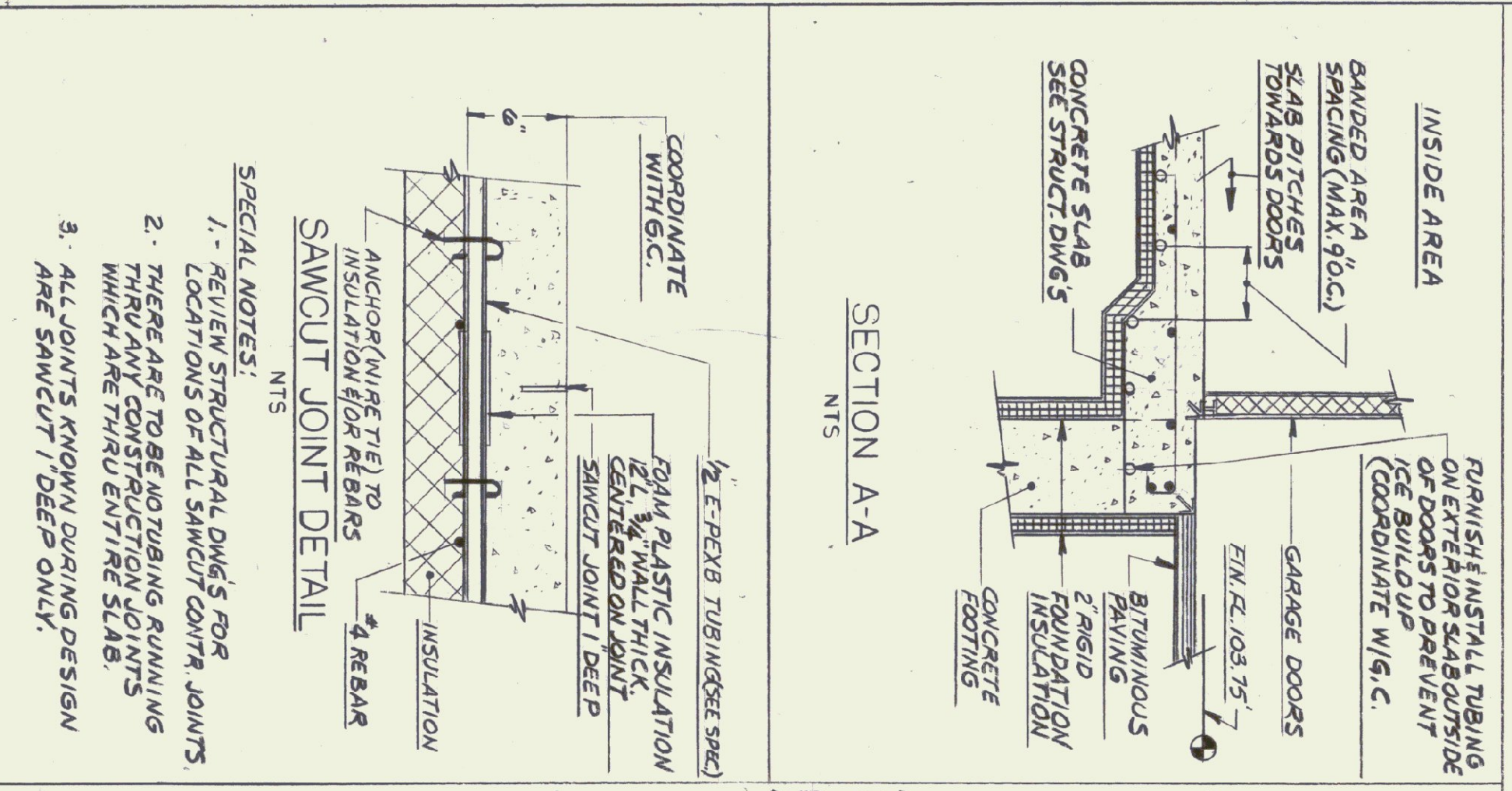
STATE OF VERMONT
DEPARTMENT OF BUILDINGS AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
1765 WILKINSON ROAD, SOUTH BURLINGTON, VERMONT

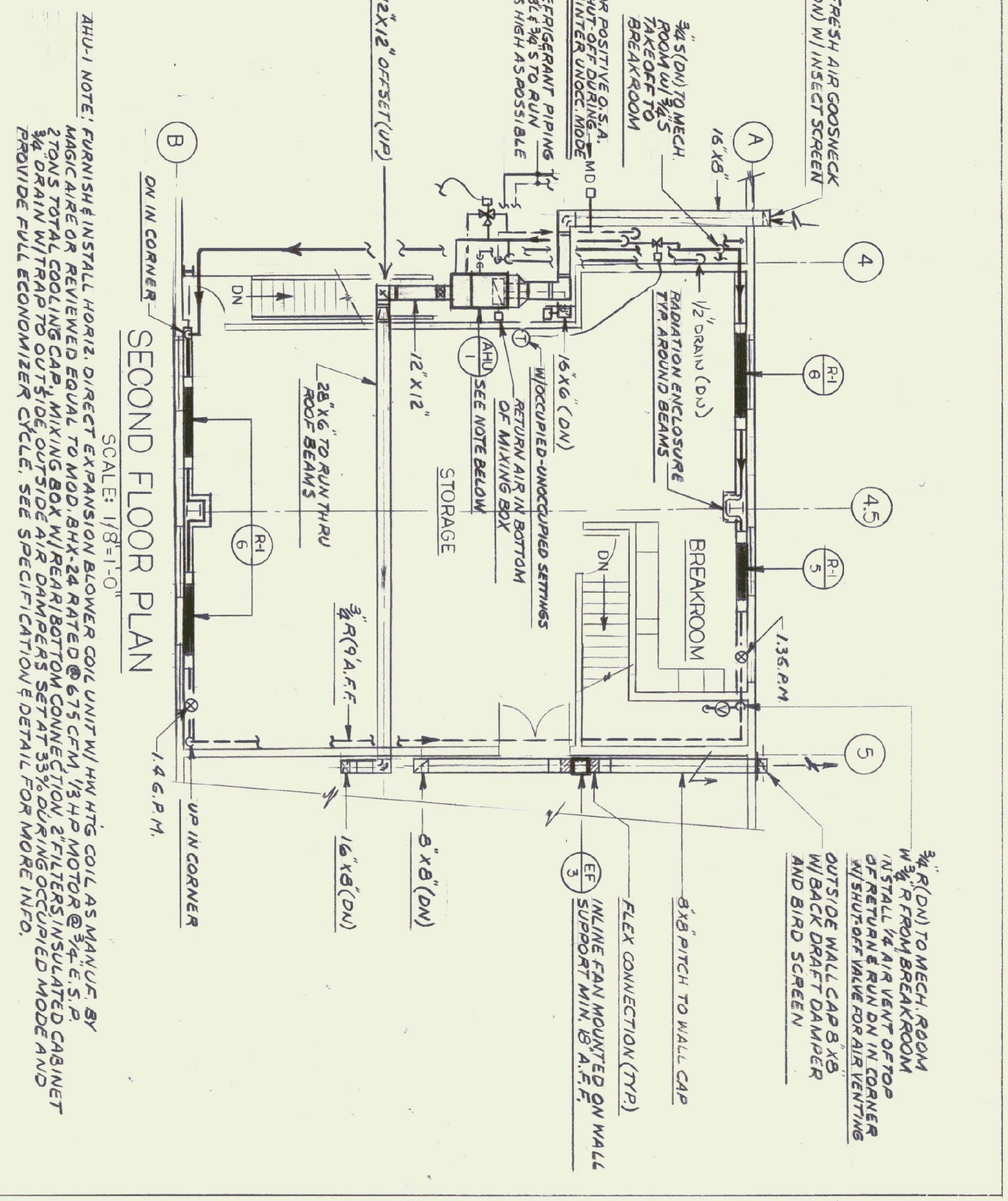
N.F. LAURENCE and ASSOC. INC.
113 WEST MAIN STREET NORTHBOROUGH, MA.



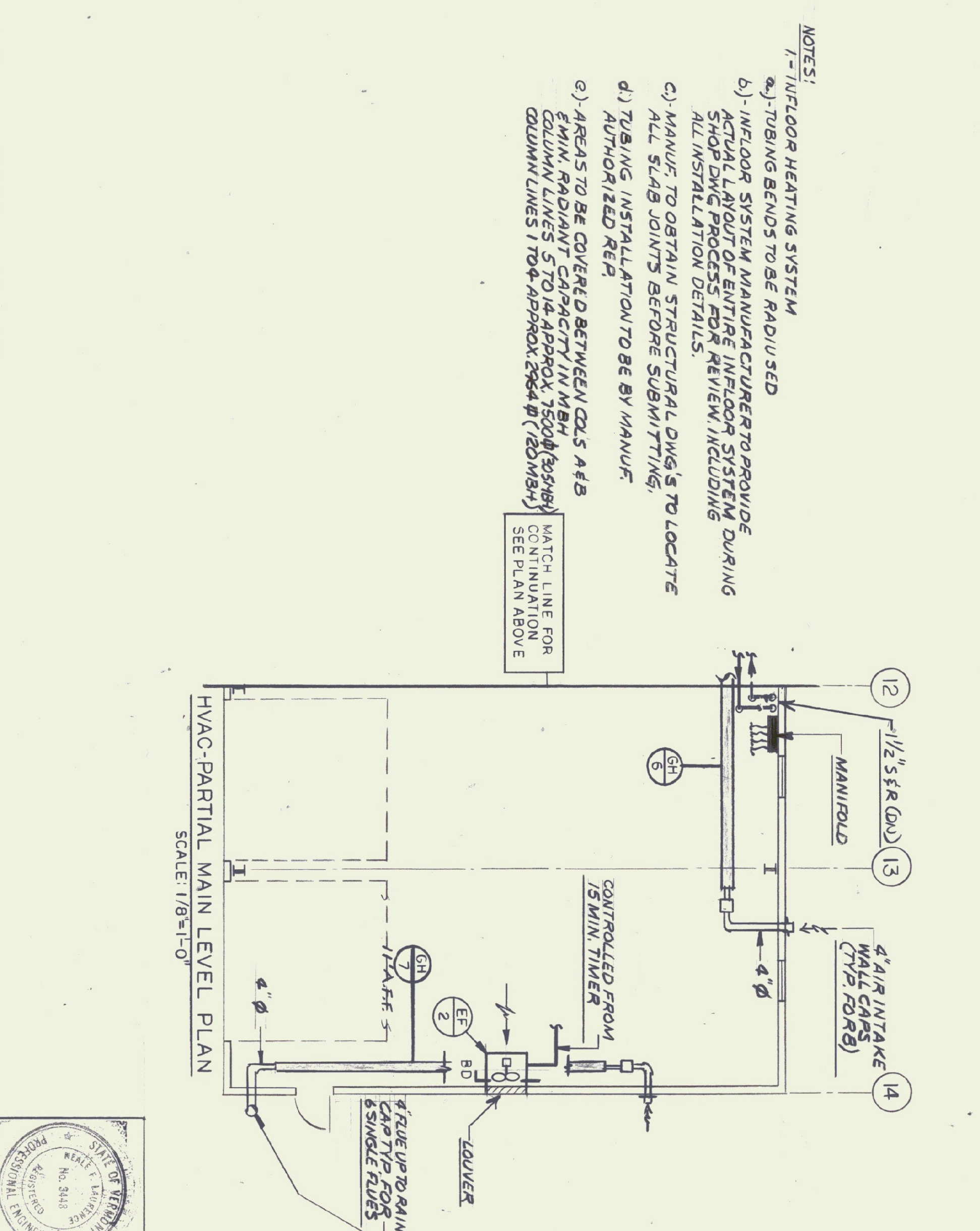
HVAC-MAIN LEVEL PLAN
SCALE: 1/8"=1'-0"



SECTION A-A
NTS



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



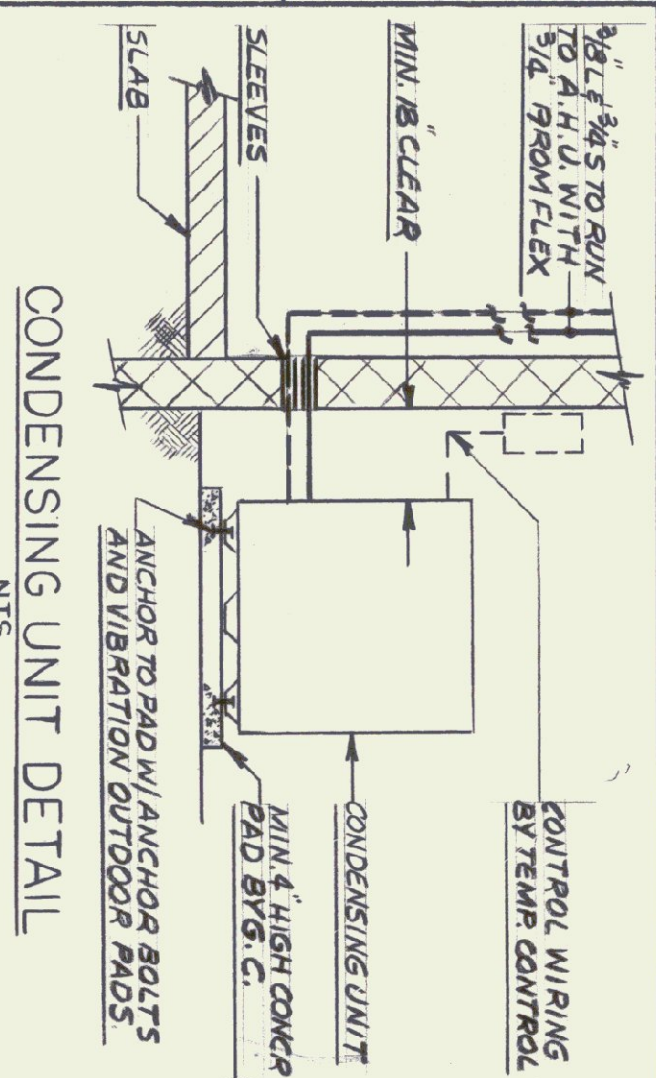
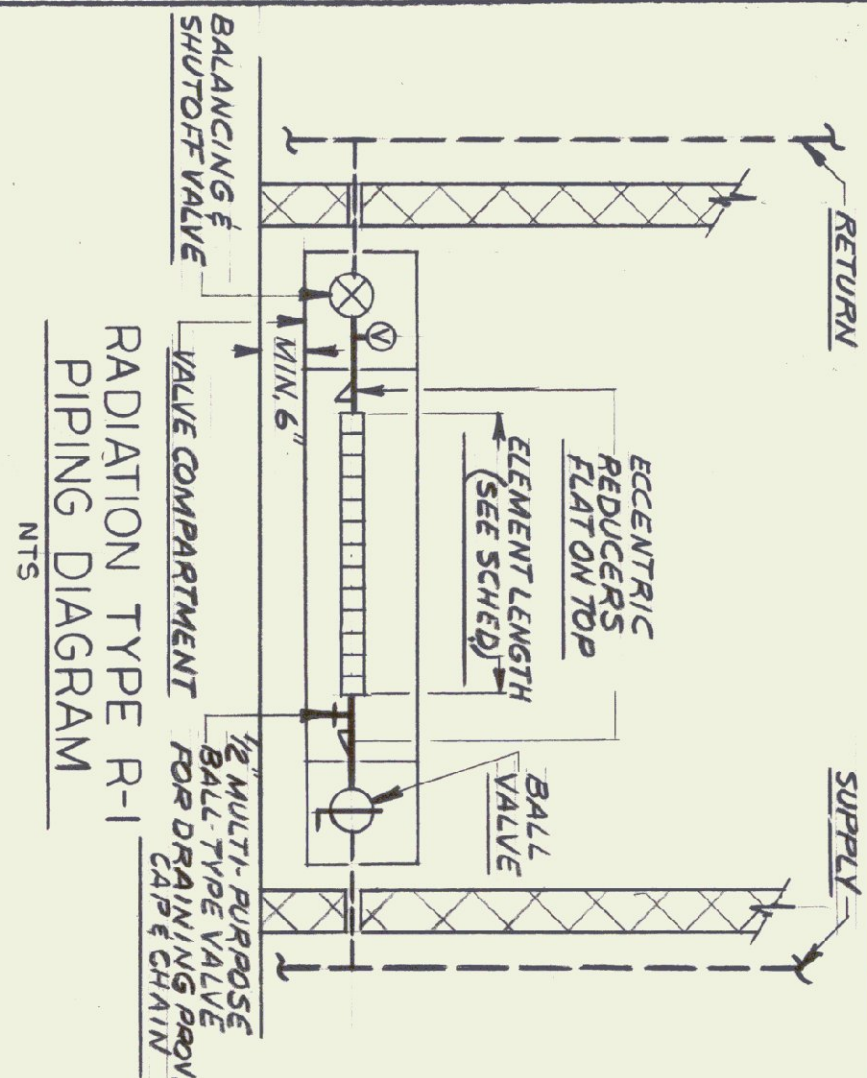
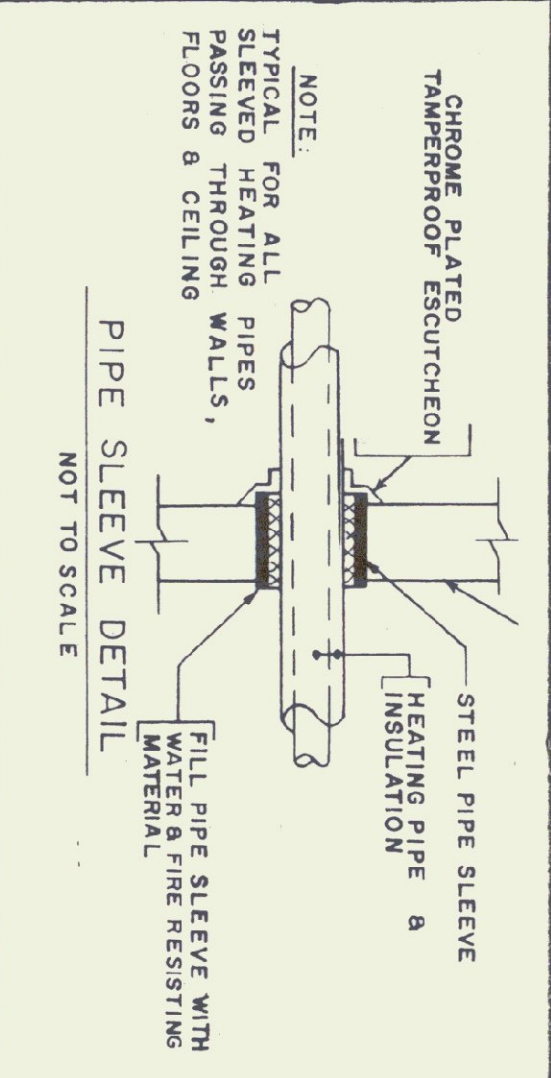
HVAC-PARTIAL MAIN LEVEL PLAN
SCALE: 1/8"=1'-0"

SPECIAL NOTES:
1. REVIEW STRUCTURAL DWG'S FOR LOCATIONS OF ALL SAWCUT CONTR. JOINTS.
2. THERE ARE TO BE NO TUBING RUNNING THRU ANY CONSTRUCTION JOINTS WHICH ARE THRU ENTIRE SLAB.
3. ALL JOINTS KNOWN DURING DESIGN ARE SAWCUT / DEEP ONLY.

NOTE: FURNISH & INSTALL HORIZ. DIRECT EXPANSION BLOWER COIL UNIT W/ HW HTG COIL AS MANUF. BY MANUFACTURER OR REVIEWED EQUAL TO MOD. BHK-24 RATED @ 675 CFM, 1/3 HP MOTOR @ 3-4-5 P. 2 TONS TOTAL COOLING CAP. MIXING BOX W/ REAR BOTTOM CONNECTION. 2 FILTERS INSULATED CABINET 3/4" DRAIN W/ TRAP TO OUTSIDE. OUTSIDE AIR DAMPERS SET AT 55% DURING OCCUPIED MODE AND PROVIDE FULL ECONOMIZER CYCLE. SEE SPECIFICATION & DETAIL FOR MORE INFO.

NOTES:
1. IN FLOOR HEATING SYSTEM
2. TUBING BENDS TO BE RADIUSED
3. IN FLOOR SYSTEM MANUFACTURER TO PROVIDE SCHEDULE 40 STEEL ENTIRE FLOOR SYSTEM DURING ALL INSTALLATION DETAILS.
4. MANUF. TO OBTAIN STRUCTURAL DWG'S TO LOCATE ALL SLAB JOINTS BEFORE SUBMITTING AUTHORIZED REP.
5. AREAS TO BE COVERED BETWEEN COLS A & B FROM RADIANT SYSTEM COMPACTLY. MANUF. COLUMN LINES 5 TO 6 APPROX. 7500 (8050) (8050) COLUMN LINES 1 TO 4 APPROX. 2004 (2004) (2004)

MATCH LINE FOR CONTINUATION SEE PLAN ABOVE



GAS FIRED RADIANT HEATER SCHEDULE

NO.	MAKE AND MODEL NO.	INPUT BTUS	MFG. HGT.	OVERALL LENGTH	ELECTRICAL SUPPLY	FLUE ANGLE	MFG. ANGLE	REMARKS
1	LM-S	60,000	11'	43'	120V CONTROL	40°	45°	
2	LM-S	60,000	13 1/2'	23'		40°	45°	
3	LM-S	50,000	12'	33'		40°	45°	
4,5,6	LM-S	40,000	12'	23'		40°	45°	
7	LM-S	50,000	11'	33'		40°	45°	
8,9	LM-S	40,000	12'	23'		40°	0°	
10	LM-U	50,000	12'	13'		40°	45°	

- NOTES:
- ALL UNITS TO BE SUPPLIED W/ COMBUSTION AIR DUCTS SCHED 40 4\"/>

FIN TUBE RADIATION SCHEDULE

NO.	MAKE & MODEL NO.	PIPE SIZE	FIN & ELEMENT	ENCLOSURE	CAPACITY/FT. AT 180-180°F	REMARKS
R-1	YUDON LINE R-1	1\"/>				
R-2	YUDON LINE R-2	1\"/>				

NOTE: TYPE R-1 RADIATION ON 1ST FLOOR ONLY TO HAVE KNOB TYPE DAMPERS

FAN SCHEDULE

NO.	MAKE & MODEL NO.	GFM	S.P. IN WG	RPM	HP	ELECTRIC SUPPLY	TYPE	REMARKS
1	CARNES LABA-36	5000	1/4"	400	1/2	230-10	BELT	WITH BACKDRAFT DAMPER SEE DETAIL
2	CARNES LABA-36	4000	1/4"	480	1 1/2	230-10	BELT	
3	CARNES LABA-36	4000	3/8"	1050	3	120V	IN LINE	WITH SPEED CONTROLLER INTERLOCK WITH EFF-1 SUPPLY W/MOTORIZED DAMPER
MF-1	CARNES LABA-36	5000	1/4"	400	1/2	230-10	BELT SUPPLY	INTERLOCK WITH EFF-2 SUPPLY W/MOTORIZED DAMPER
MF-2	CARNES LABA-36	4000	1/4"	480	1 1/2	230-10	BELT SUPPLY	

PUMP SCHEDULE

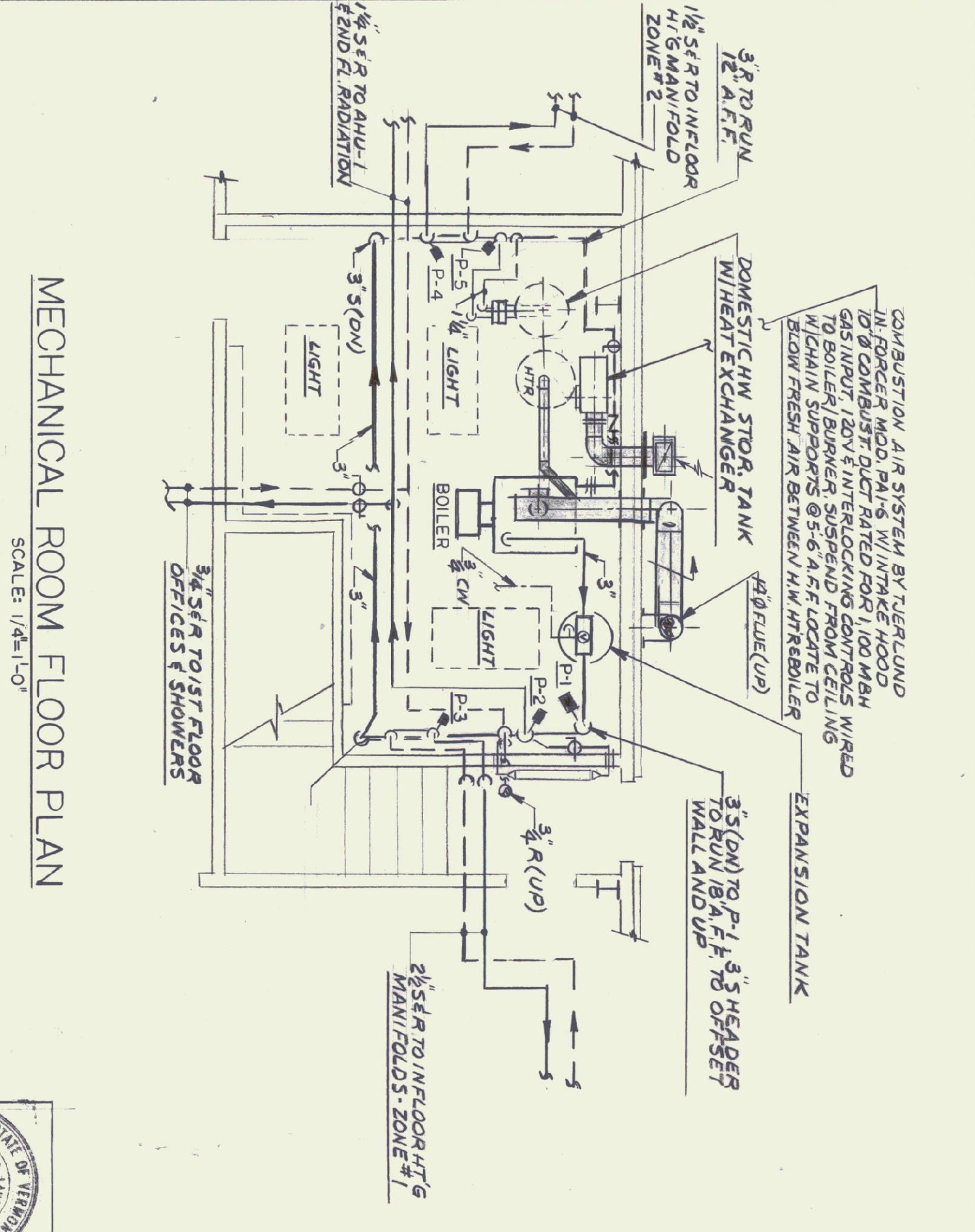
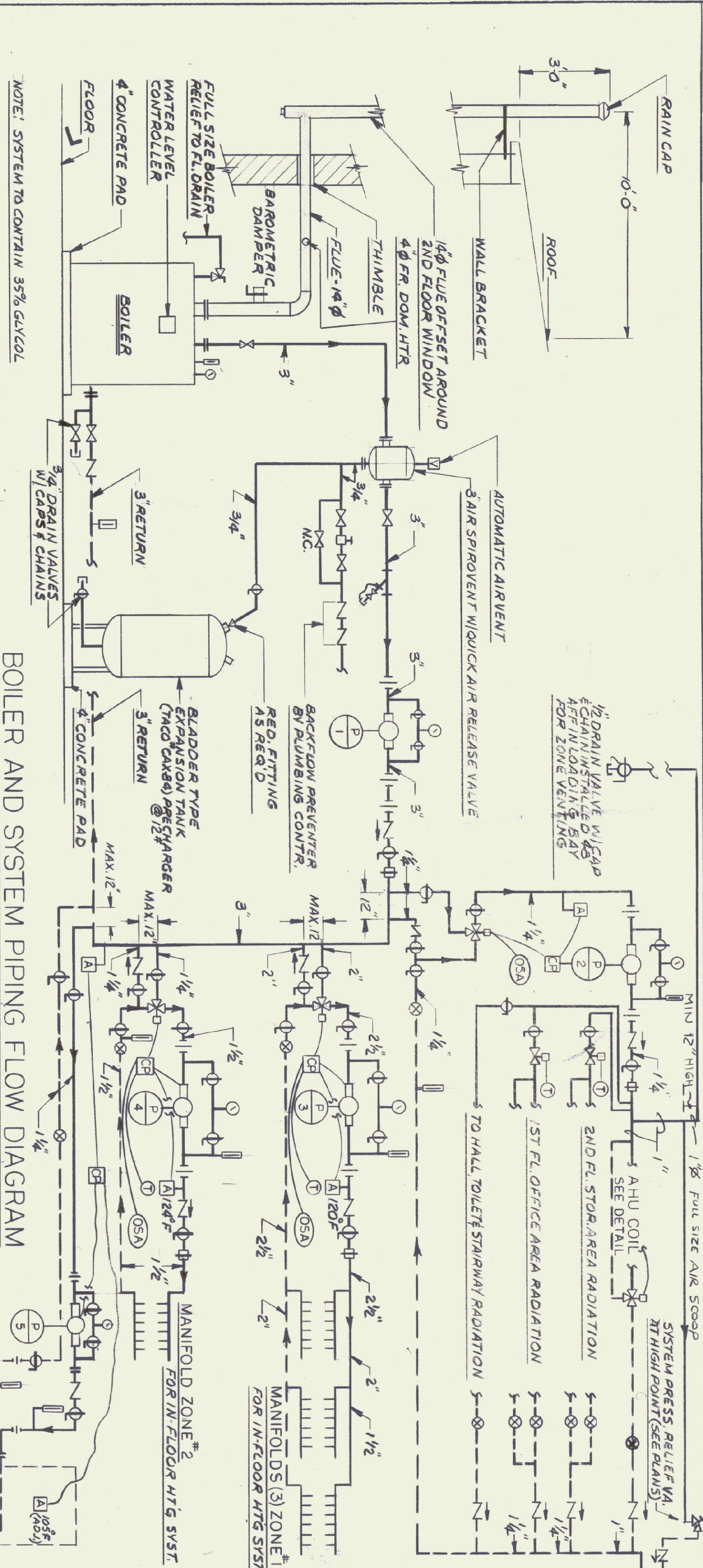
NO.	MAKE & MODEL NO.	GPM	FT. HD	HP	RPM	ELECTRIC SUPPLY	REMARKS
P-1	TACO #131	70	12	1/3	1725	120V-10	MAIN BOILER WATER CIRCULATOR
P-2	#112	9 1/2	18 1/2	1 1/2	1725	120V-10	TO RADIATION & AHU
P-3	SERIES 1600 #1619	40	30	1	1750	230V-10	IN FLOOR HTG SYST ZONE#1
P-4	SERIES 1600 #1615	15	24	1/3	1750	120V-10	IN FLOOR HTG SYST ZONE#2
P-5	#110	7 1/2	6	1/2	1725	120V-10	TO DOMESTIC HOT WATER HEAT EXCHANGER

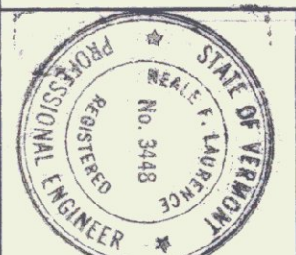

PUMPS BASED ON 35% G/COL. IN SYSTEM

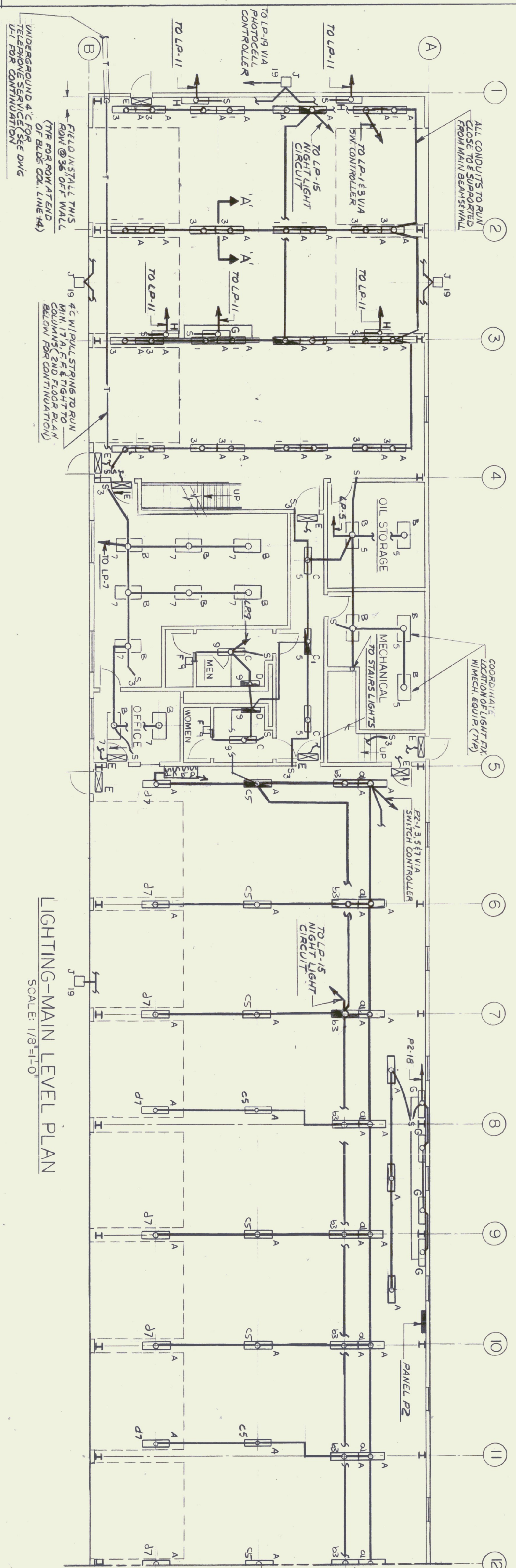
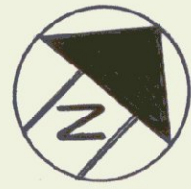
HEATING & VENTILATING LEGEND

SYMBOLS USED ARE INDICATED BY A CHECK (✓)

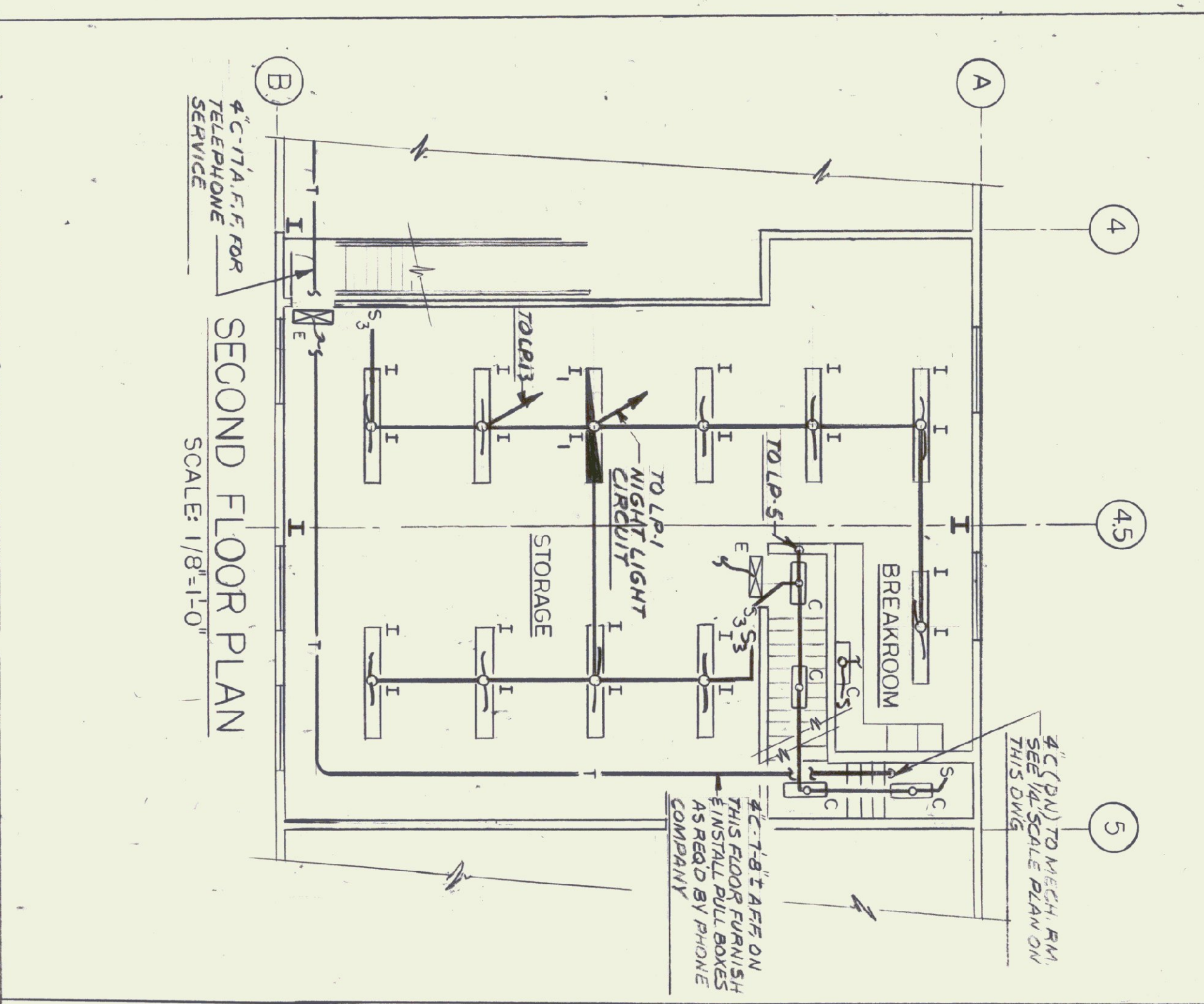
✓	HEATING SUPPLY LINE
✓	HEATING RETURN LINE
✓	S&R SUPPLY & RETURN
✓	M.D. MOTORIZED DAMPER
✓	B.D. BACKDRAFT DAMPER
✓	V.D. VOLUME DAMPER
✓	F.D. FIRE DAMPER
✓	B.S. BIRD SCREEN
✓	AIR SUPPLY
✓	AIR RETURN OR AIR EXHAUST
✓	LOUVER & SIZE 30 FT.
✓	UNDERCUT DOOR & SIZE
✓	TURNING VANE
✓	SPLITTER DAMPER
✓	AIR VENT VALVE
✓	PRESSURE GAUGE
✓	PETER PLUG
✓	THERMOSTAT
✓	GATE VALVE
✓	CHECK VALVE
✓	STRAINER
✓	UNIONS
✓	BALANCING VALVE
✓	SWITCH & PILOT LIGHT
✓	CABINET UNIT HEATER
✓	UNIT HEATER
✓	UP TO FLAT ROOF JACK ON 6\"/>



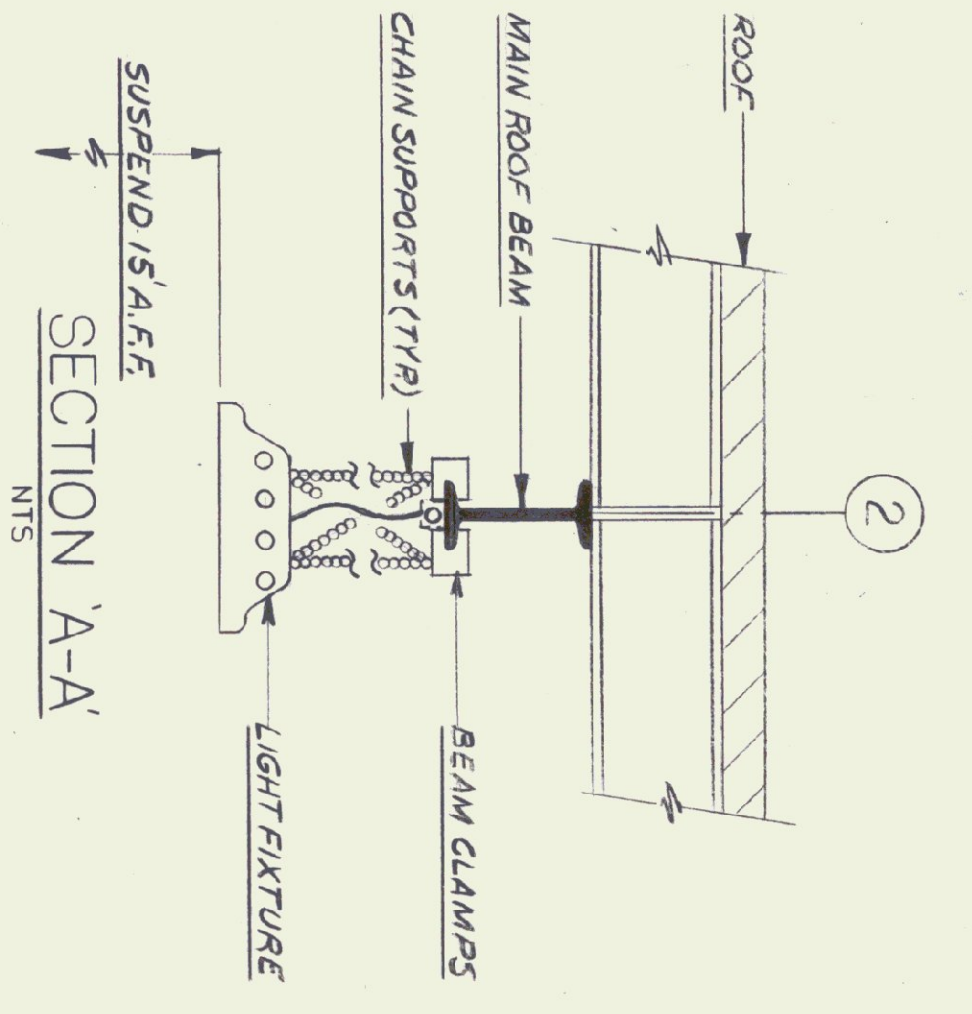
	H-2 33 OF 36	AGENCY OF TRANSPORTATION COLCHESTER MAINTENANCE FACILITY CHIMNEY CORNERS COLCHESTER, VERMONT	STATE OF VERMONT DEPARTMENT OF BUILDINGS AND GENERAL SERVICES AGENCY OF ADMINISTRATION MONTPELIER, VERMONT		DORE AND WHITTIER INC. ARCHITECTS • PROJECT MANAGERS 109 WILSON ROAD, SOUTH BURLINGTON, VERMONT N.F. LAURENCE and ASSOC. INC. 113 WEST MAIN STREET NORTHBOROUGH, MA.
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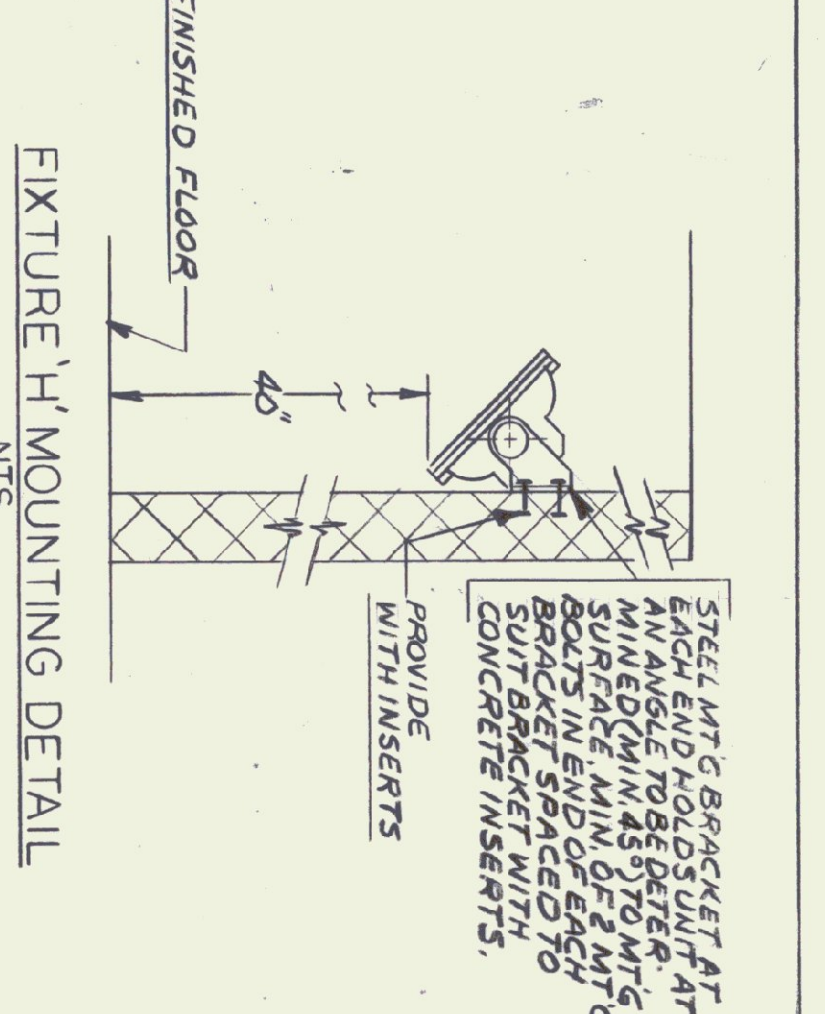
LIGHTING-MAIN LEVEL PLAN
SCALE: 1/8"=1'-0"



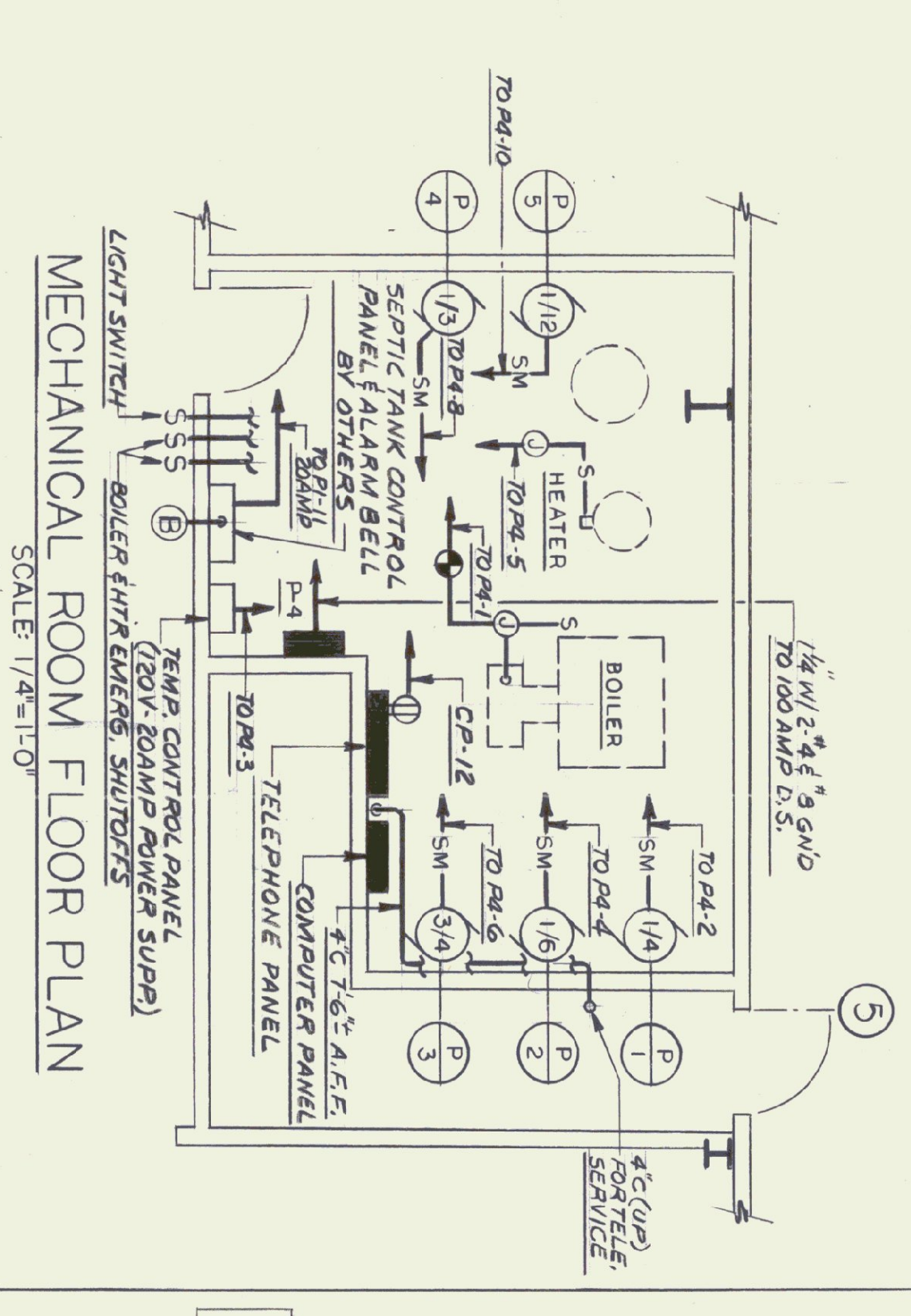
SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"



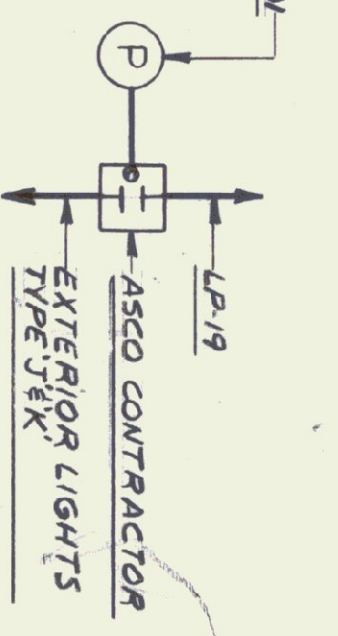
SECTION A-A
NTS



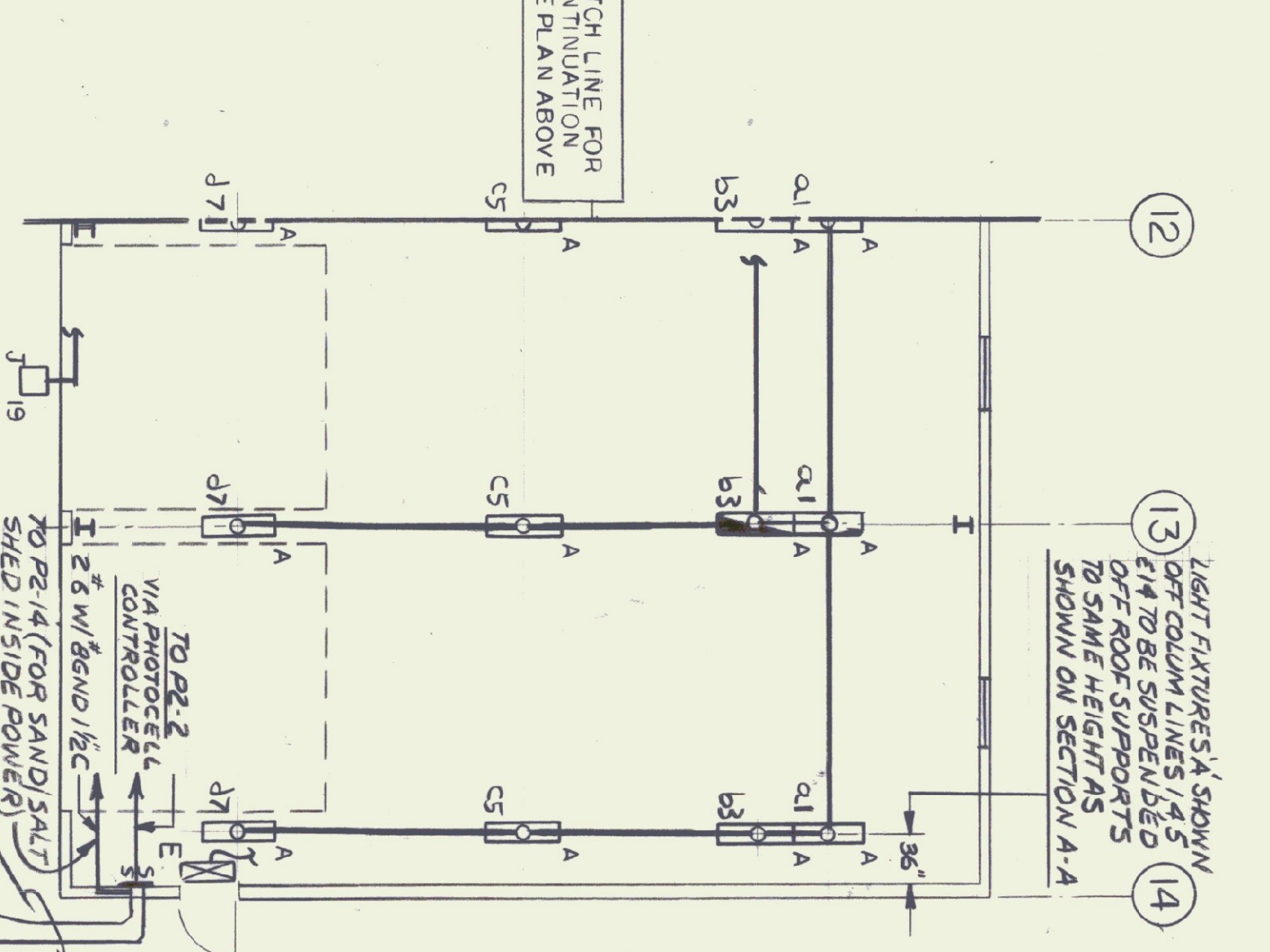
FIXTURE 'H' MOUNTING DETAIL
NTS



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



PHOTOCELL CONTROL ONE LINE
NTS



13 LIGHT FIXTURES & SHOWN OFF COLUMN LINES 1/4" TO BE SUSPENDED OFF ROOF SUPPORTS TO SAME HEIGHT AS SHOWN ON SECTION A-A

MATCH LINE FOR CONTINUATION SEE PLAN ABOVE

MATCH LINE FOR CONTINUATION SEE PLAN BELOW



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E-1

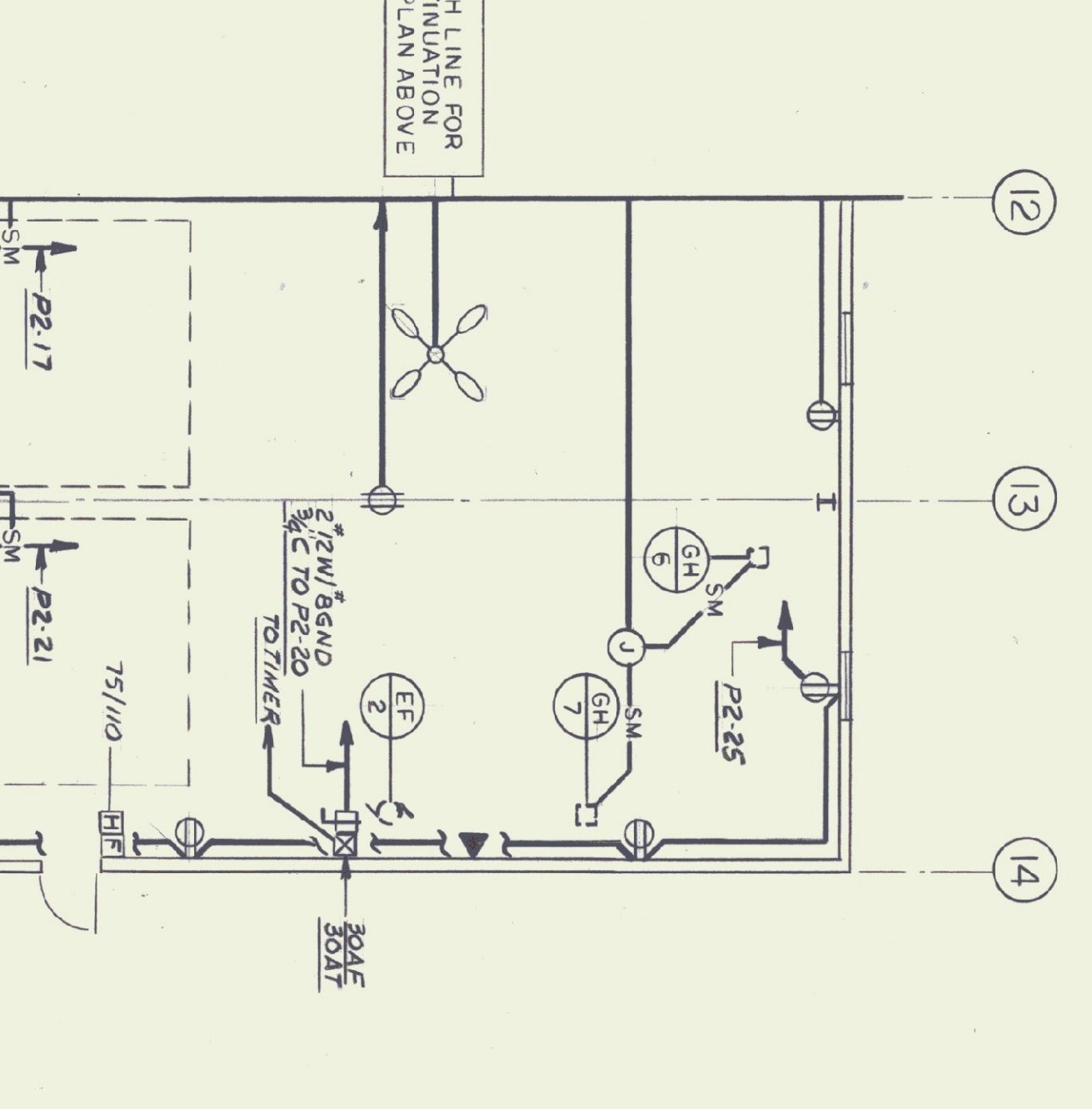
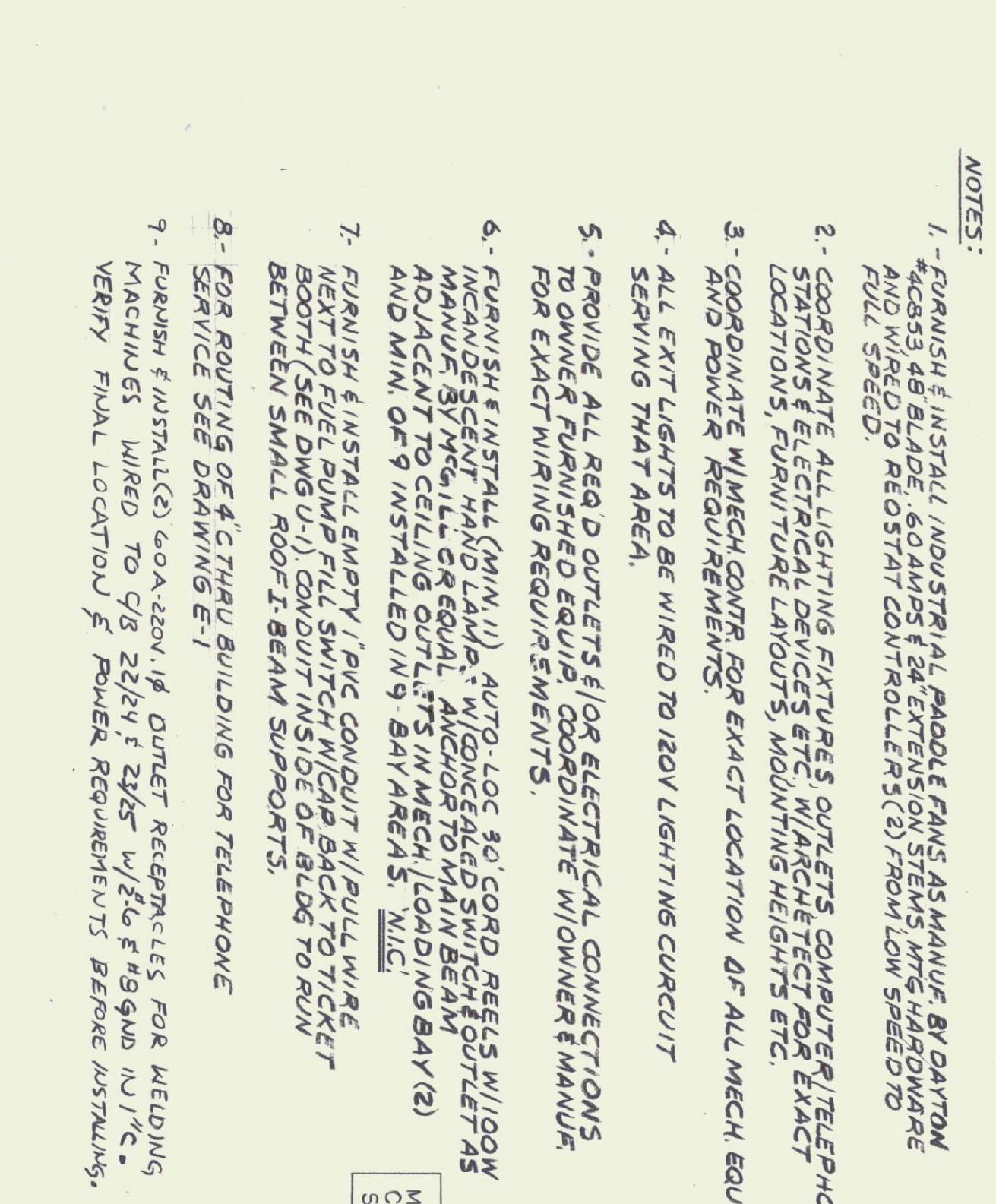
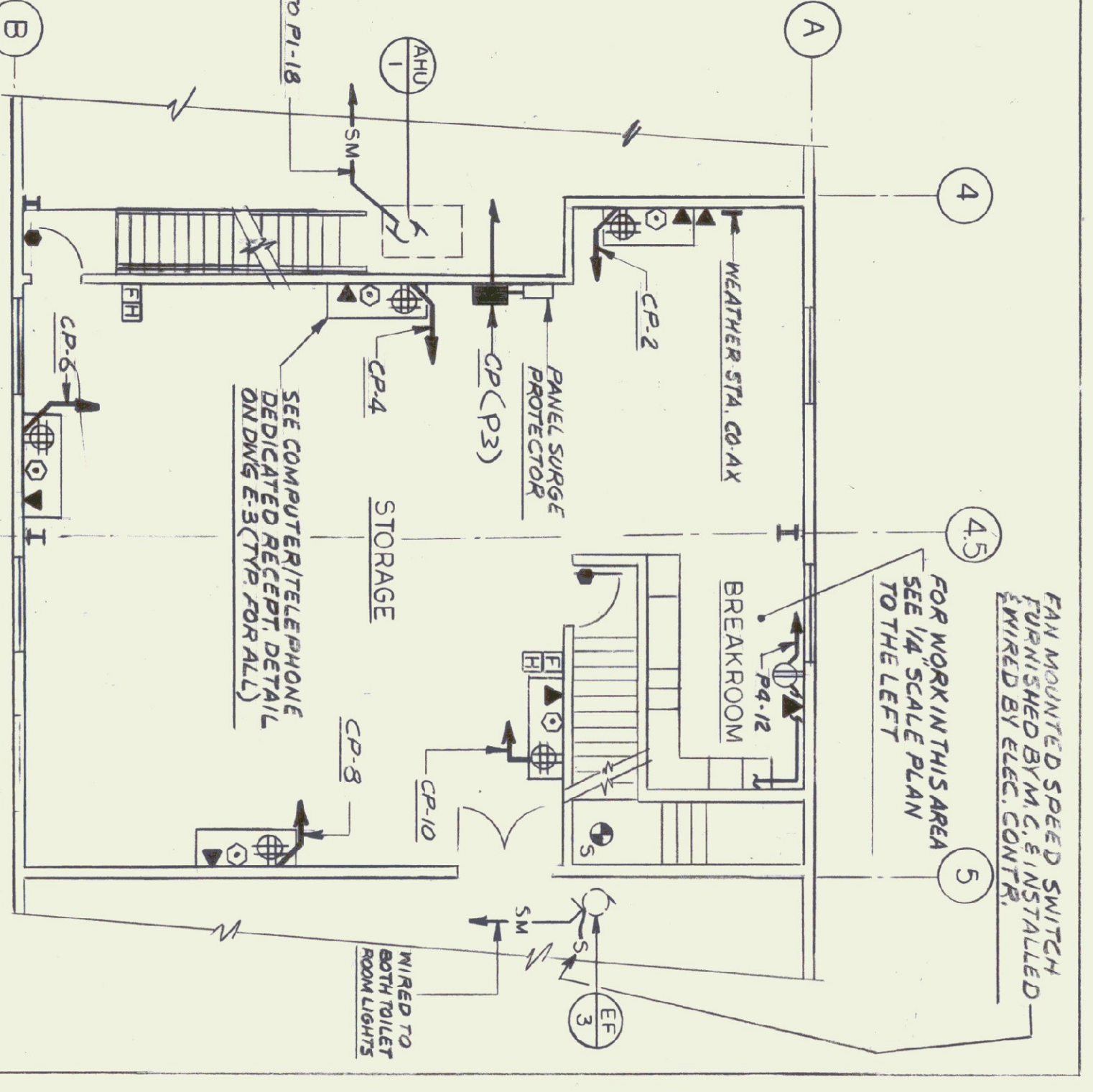
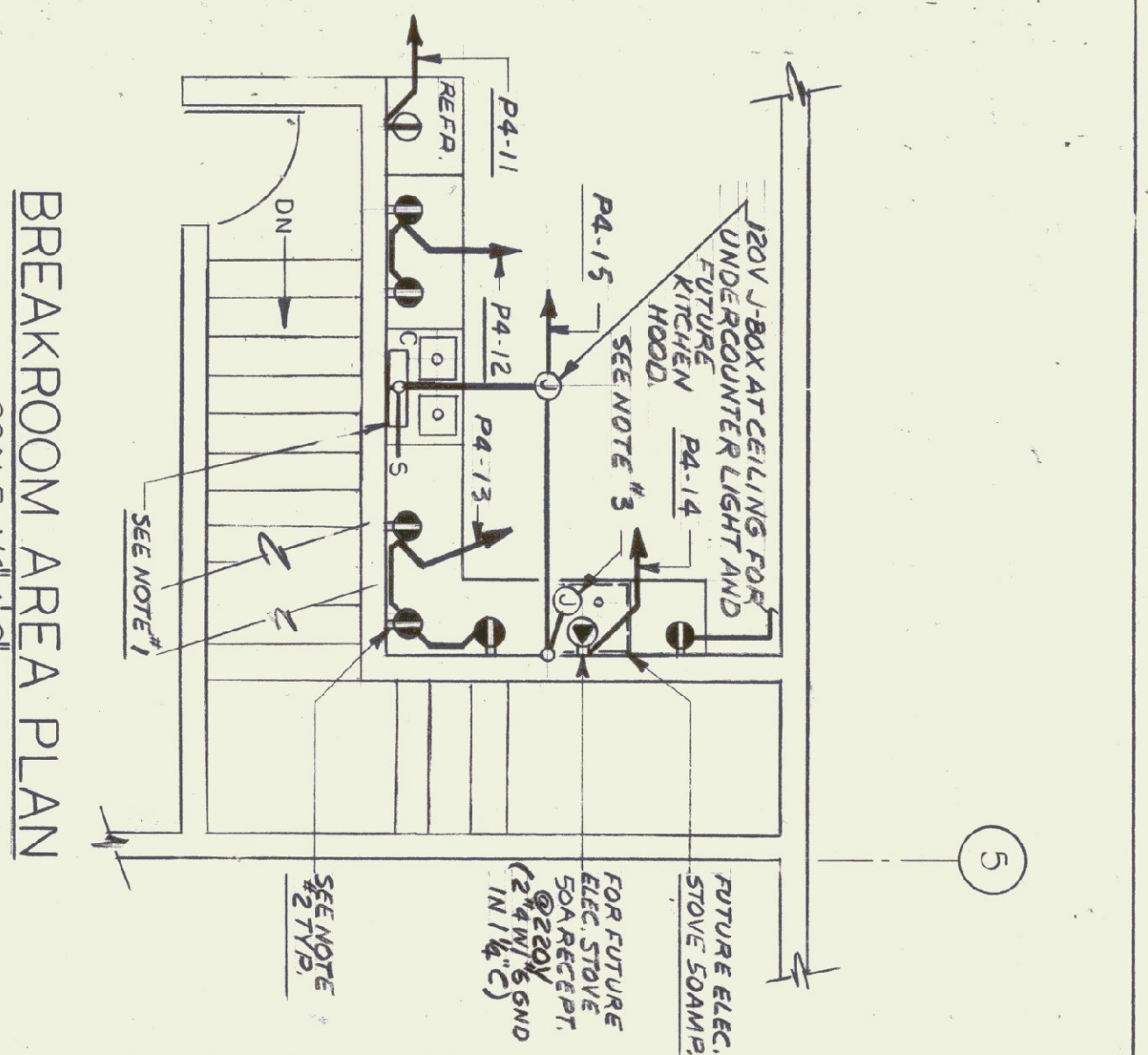
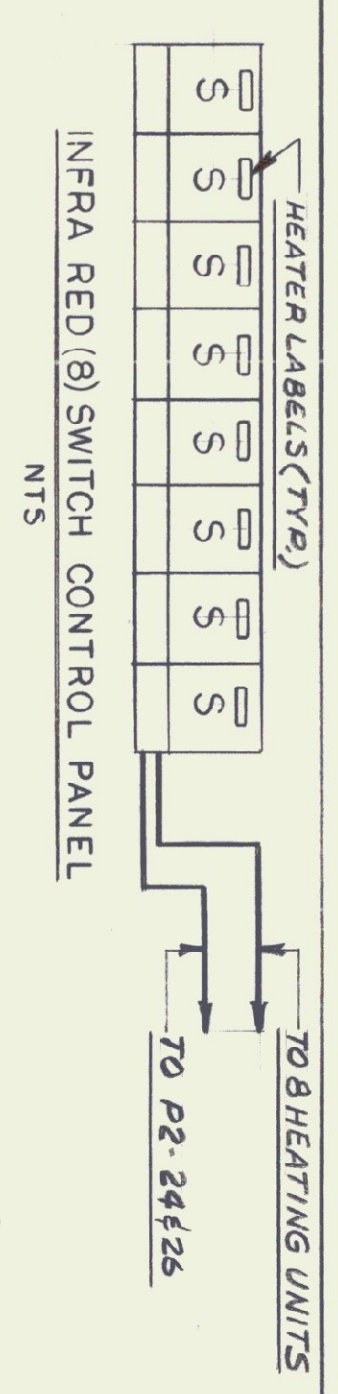
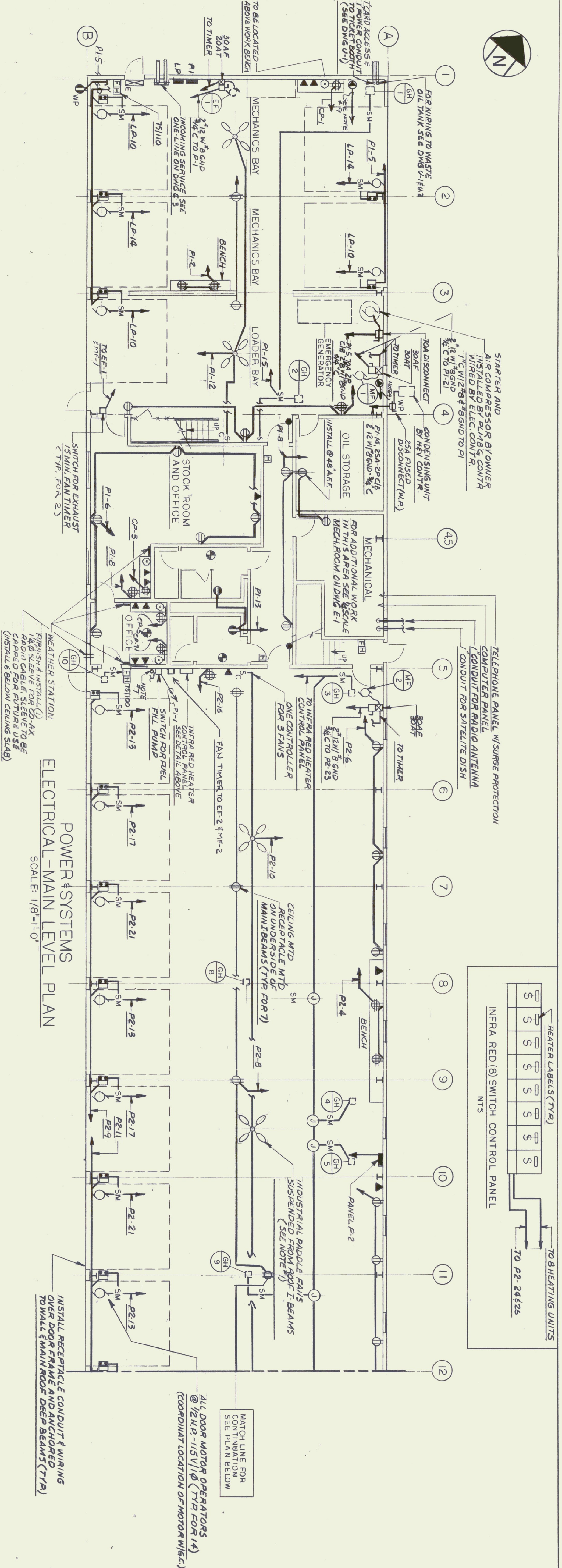
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SCALE: AS NOTED
DATE: 10/15/66
DRAWN BY: DG
APPR BY: NFL

AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
COLCHESTER, VERMONT

STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
206 WILKINSON ROAD, SOUTH BURLINGTON, VERMONT
N.F. LAURENCE and ASSOC. INC.
113 WEST MAIN STREET NORTHBOROUGH MA.



- NOTES:**
1. - FURNISH & INSTALL INDUSTRIAL PADDE FANS AS MANUF. BY DAYTON #40833 48" BLADE, 60 AMPS & 24" EXTENSION STEMS MTS HARDWARE AND WIRED TO REOSTAT CONTROLLERS (2) FROM LOW SPEED TO FULL SPEED.
 2. - COORDINATE ALL LIGHTING FIXTURES, OUTLETS, COMPUTER/TELEPHONE STATIONS & ELECTRICAL DEVICES ETC. IN ARCHITECT FOR EXACT LOCATIONS, FURNITURE LAYOUTS, MOUNTING HEIGHTS ETC.
 3. - COORDINATE W/MECH CONTR FOR EXACT LOCATION OF ALL MECH EQUIP AND POWER REQUIREMENTS.
 4. - ALL EXIT LIGHTS TO BE WIRED TO 120V LIGHTING CIRCUIT SERVING THAT AREA.
 5. - PROVIDE ALL REAR OUTLETS & FOR ELECTRICAL CONNECTIONS TO OWNER FURNISHED EQUIP. COORDINATE W/OWNER & MANUF FOR EXACT WIRING REQUIREMENTS.
 6. - FURNISH & INSTALL (MIN. 11) AUTO-LOC 90' CORD REELS W/100W INCANDESCENT HAND LAMP. W/CONCEALED SWITCH & OUTLET AS MANUF. BY MCGILL OR EQUAL. ANCHOR TO MAIN BEAM ADJACENT TO CEILING OUTLETS IN MECH LOADING BAY (2) AND MIN. OF 9' INSTALLED IN BAY AREAS. "W/C"
 7. - FURNISH & INSTALL 1" PVC CONDUIT W/PULL WIRE NEXT TO FUEL PUMP. FILL SWITCH W/CAP BACK TO TICKET BOOTH (SEE DWG U-1). CONDUIT INSIDE OF BEAM TO RUN BETWEEN SMALL ROOF-I-BEAM SUPPORTS.
 8. - FOR ROUTING OF 4" CHTRAU BUILDING FOR TELEPHONE SERVICE (SEE DRAWING E-1)
 9. - FURNISH & INSTALL (2) 60A-220V 1Ø OUTLET RECEPTS FOR WELDING MACHINES. WIRED TO C/B 22/1Ø & 2Ø/5 W/2Ø & 1Ø GND IN 1" C. VERIFY FINAL LOCATION & POWER REQUIREMENTS BEFORE INSTALLING.

**AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
VERMONT**

**STATE OF VERMONT
DEPARTMENT OF BUILDINGS
AND GENERAL SERVICES
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT**

**DORE AND WHITTIER INC.
ARCHITECTS • PROJECT MANAGERS
695 WILLIAMS ROAD, SOUTH BURLINGTON, VERMONT**

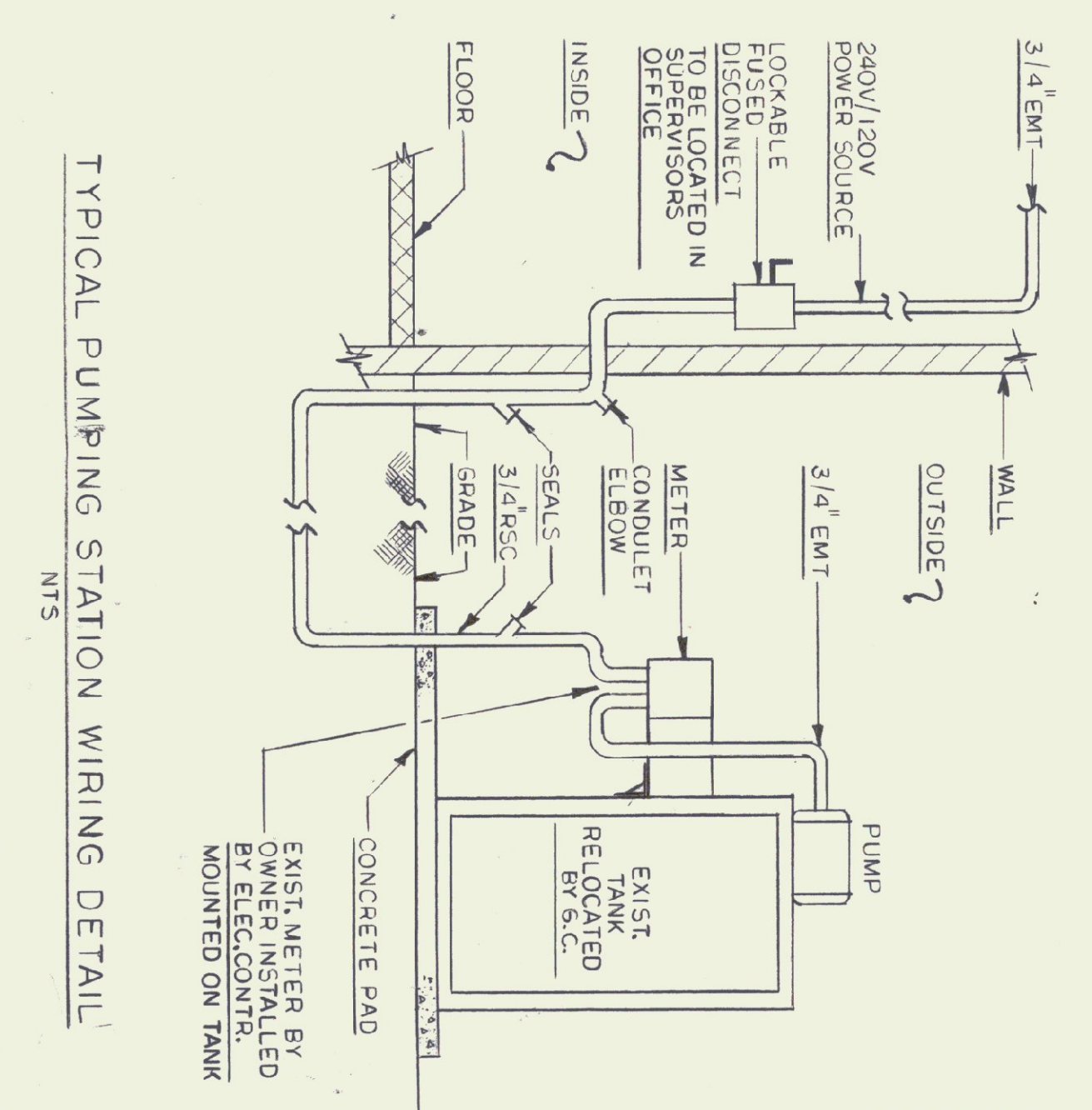
**N.F. LAURENCE and ASSOC. INC.
113 WEST MAIN STREET NORTHBOROUGH, MA.**

MAINTENANCE GARAGE ELECTRICAL MAIN LEVEL PLAN 2ND FLOOR PLAN BREAKROOM PLAN

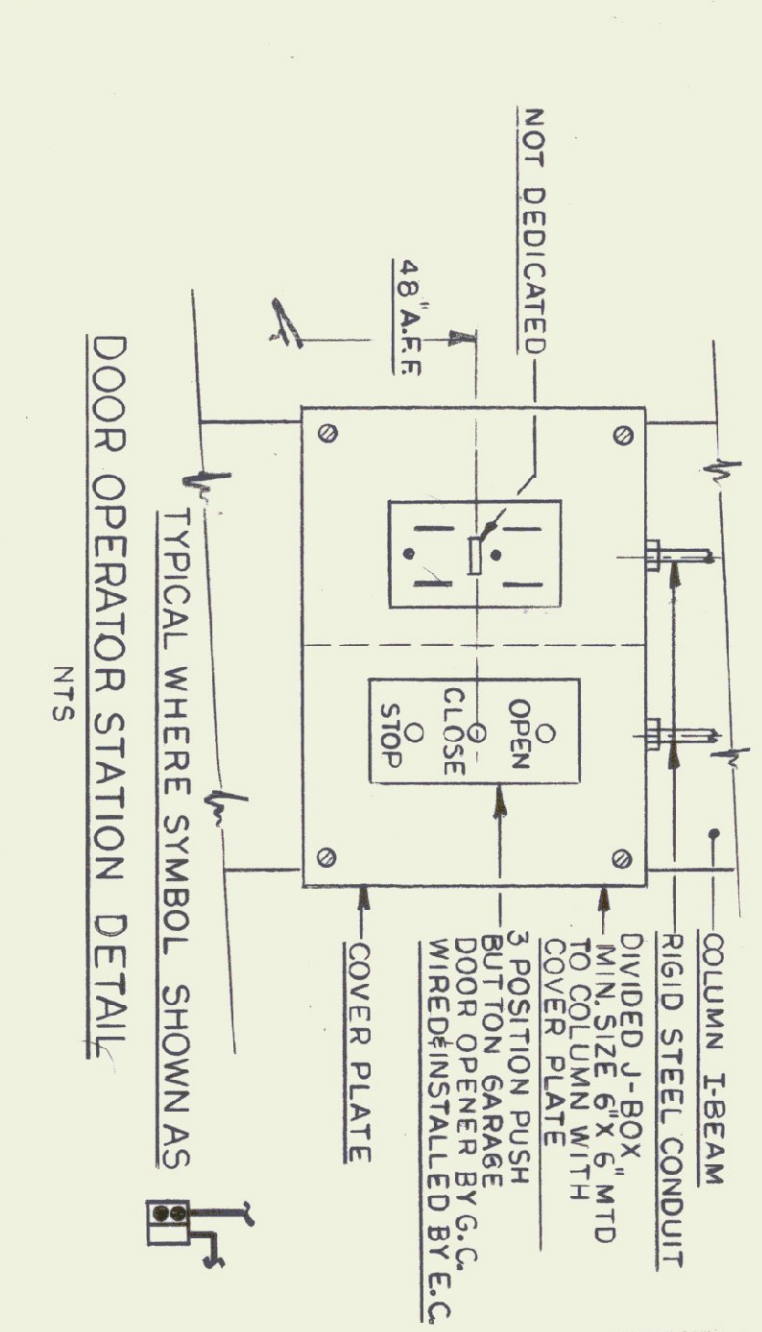
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DATE: 10/15/99
DRAWN BY: KA, DG
APPR. BY: NFL

REVISIONS
1 10/15/99
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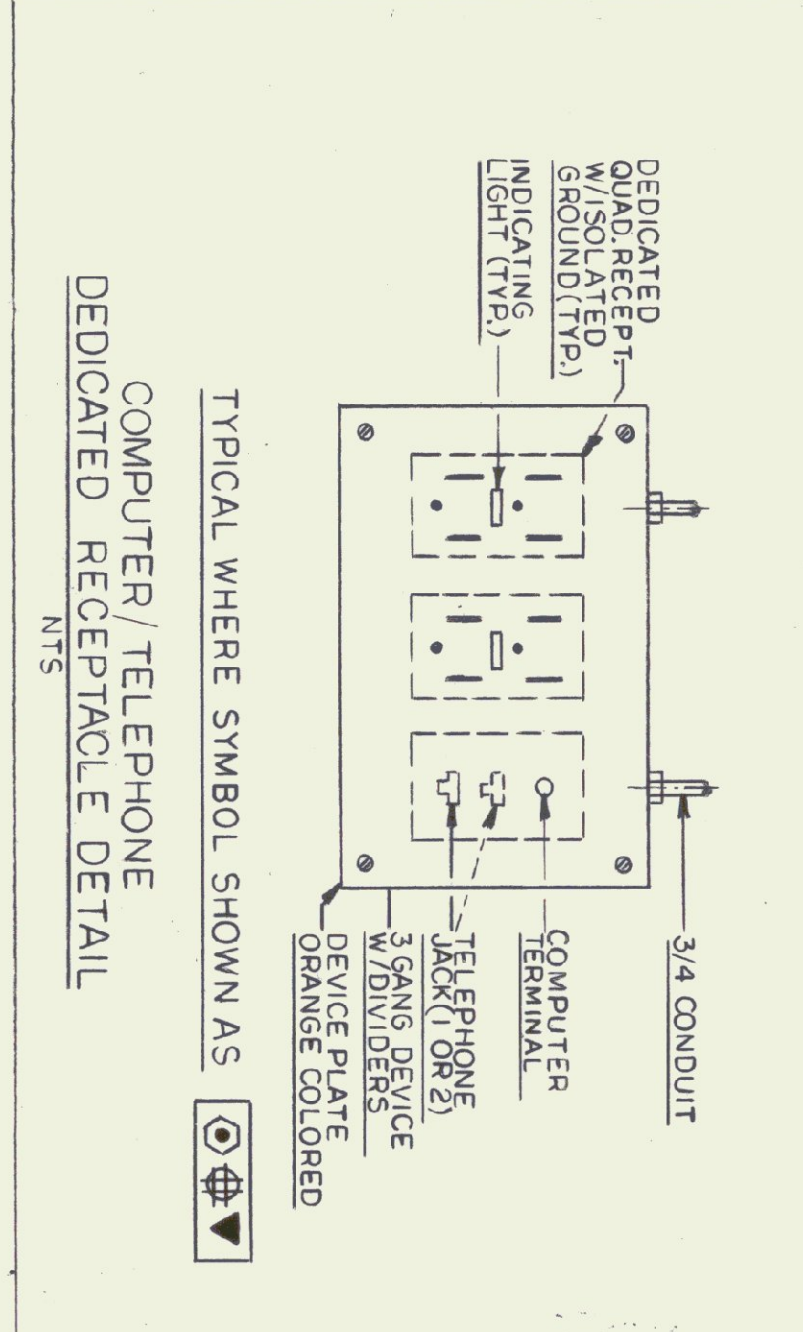
35 OF 36



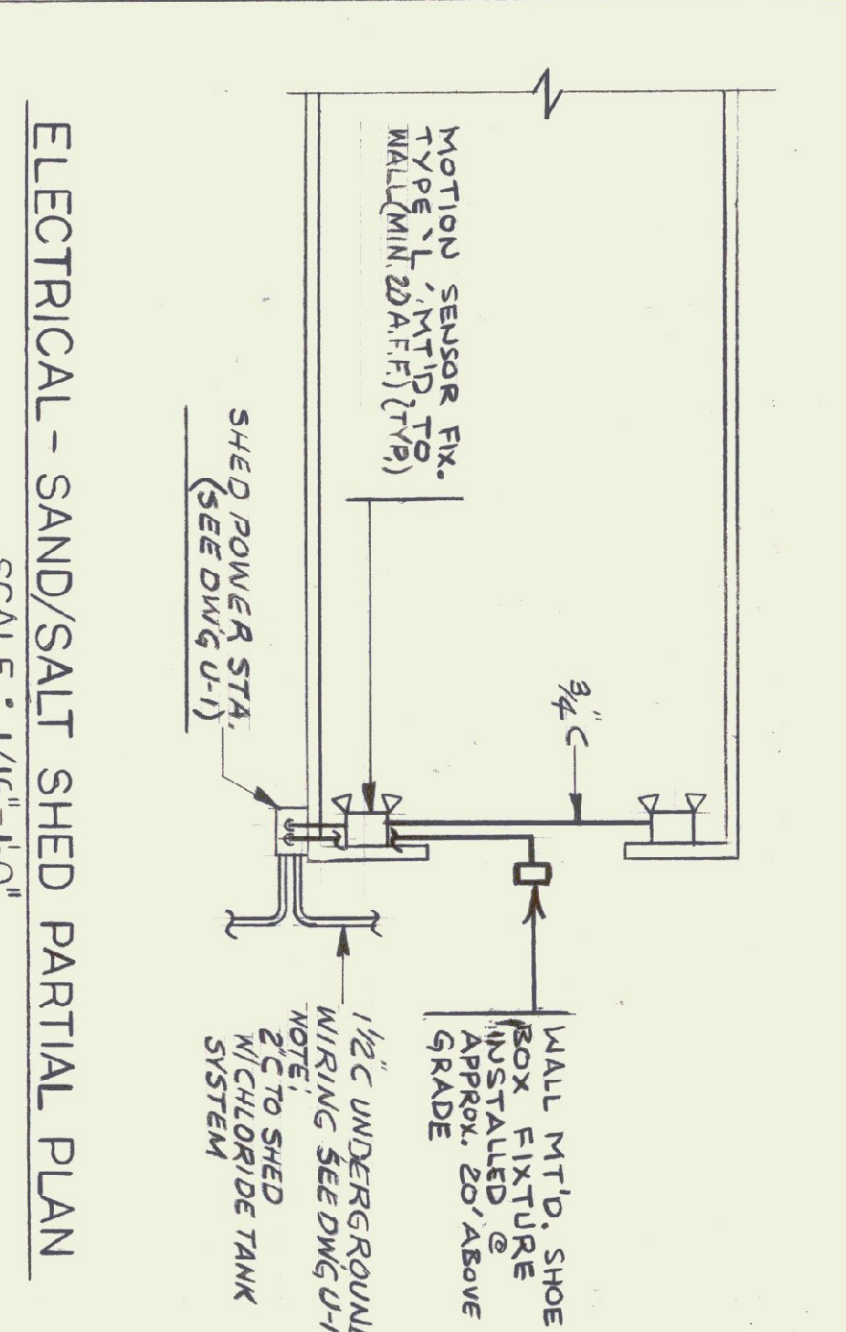
TYPICAL PUMPING STATION WIRING DETAIL
NTS



DOOR OPERATOR STATION DETAIL
NTS



COMPUTER/ TELEPHONE DEDICATED RECEPTACLE DETAIL
NTS

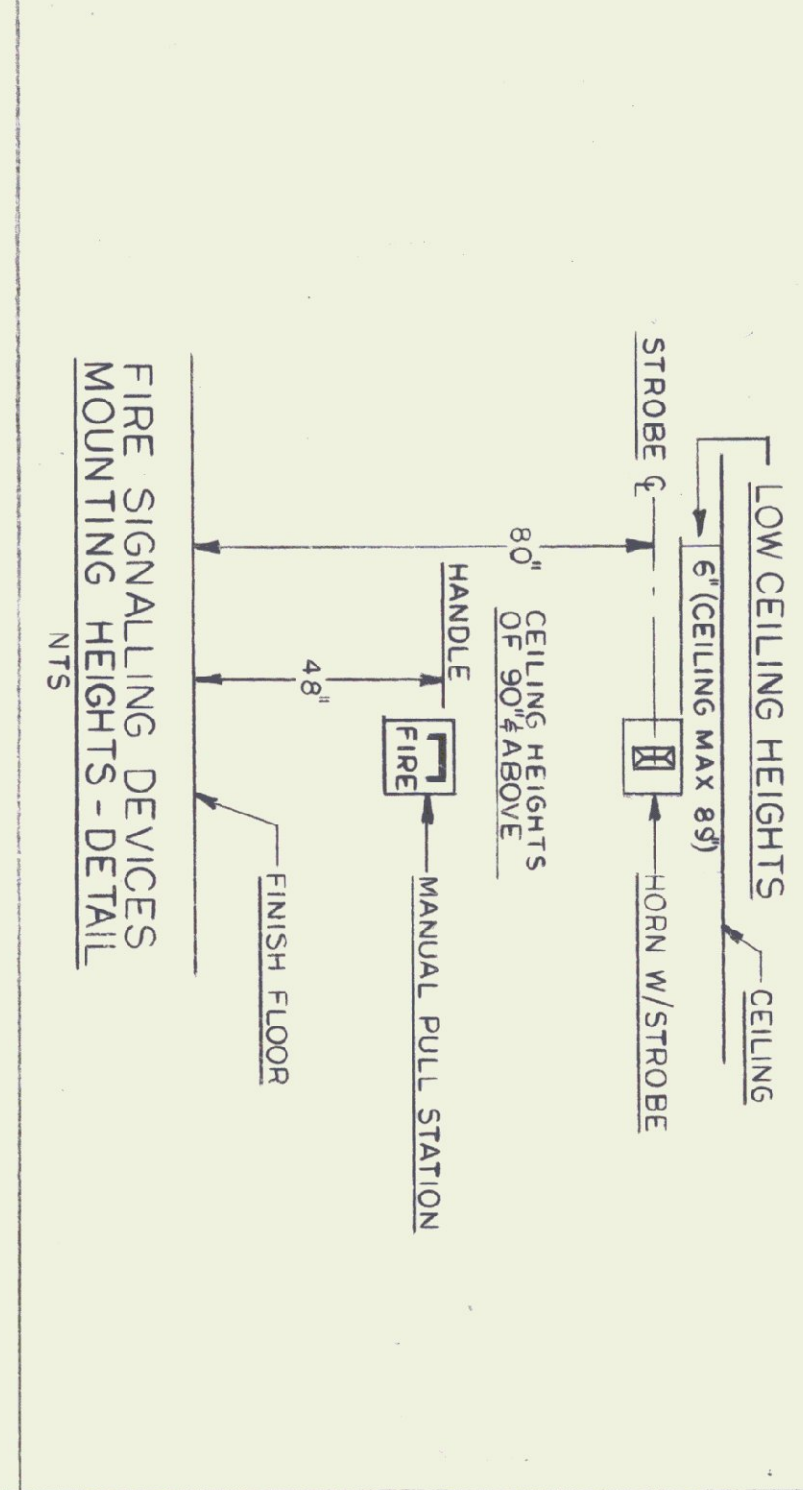


ELECTRICAL - SAND/SALT SHED PARTIAL PLAN
SCALE: 1/16\"/>

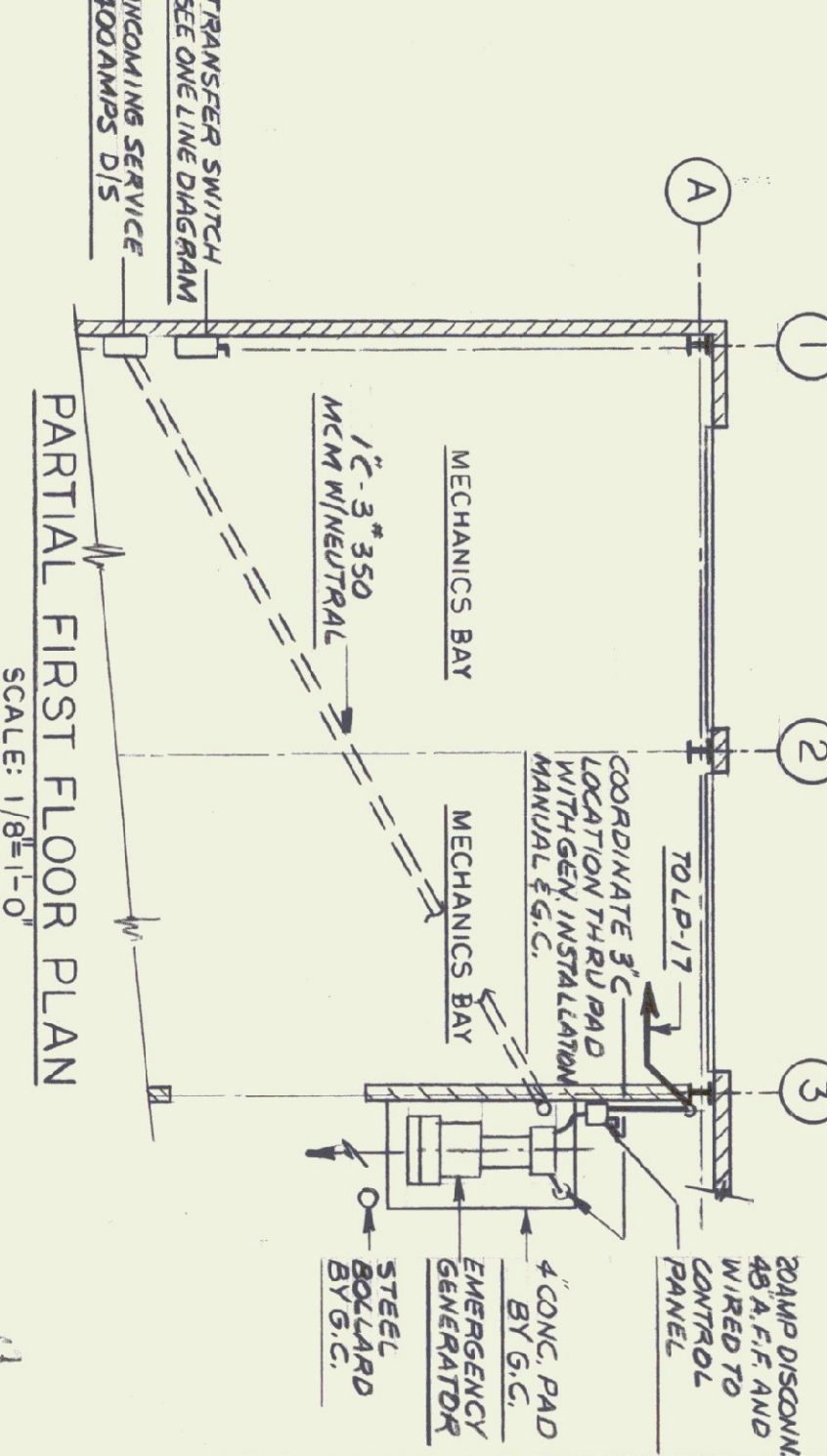
NOTE: PLAN TYPICAL FOR 4 SHEDS.

TYPE	MANUFACTURER DESCRIPTION	LAMPS	MOUNTING	FINISH	REMARKS
A	(2-48/FIXTURES) MID-WEST CHANDELLIER *F-202-40R	4-40W RS	SUSPENDED (5'x16')	WHITE	A1 NIGHT LIGHT FUNCTION
B	DAY-BRITE *2-51-340-F301	3-40W RS	SURFACE	WHITE	
C	DAY-BRITE *1-34-240-301 STAIRS, CORRIDORS & TOILETS	2-40W RS	SURFACE	WHITE	
D	MID-WEST CHANDELLIER LAVATORY LIGHT *BR-220-1	2-20W W.W.	WALL	WHITE	
E	E.L.S. *FRX EXIT SIGN W/BATTERY F25	2-6 RS	T-5 SURFACE ON WHITE W/ARROWS	RED LETTERS ON WHITE W/ARROWS	W/DOWN LIGHT
F	PROGRESS *P7383-60 SHOWER LIGHT	1-22W T9 CW	WALL	WHITE	
G	MID-WEST CHANDELLIER WORK BENCH	2-40W T-12 F-40 R.S.	WALL INSTALL 48\"/>		
H	MID-WEST CHANDELLIER WORK AREA LOW	1-48 HO	WALL	WHITE	
I	MID-WEST CHANDELLIER *202-40R	F-40 RS	SUSPENDED 8' A.F.F.	WHITE	NIGHT LIGHT FUNCTION
J	HADCO *BR-W-H-3-100H	1-100W MH	WALL (SEE NOTE 1))	BRONZE	LAMP USE 10\"/>
K	STONCOR *24622-2V567	2-150W PAR-38	WALL MIN. 20' A.F.F.		WITH MOTION SENSOR CONTROL
L					

NOTES:
1 - MOUNTING HEIGHTS FOR EXTERIOR LIGHT FIXTURES TYPE 'V'
2 - WHERE TWO TYPE A ET FIXTURES ARE SHOWN TOGETHER ON SAME RAILING, FINISH INSTALL WITH PAIR COUPLING ACCESSORIES FOR CONTINUOUS FIXTURE



FIRE SIGNALING DEVICES MOUNTING HEIGHTS - DETAIL
NTS



PARTIAL FIRST FLOOR PLAN
SCALE: 1/8\"/>

PANEL	BRANCH BREAKERS	DESCRIPTION	BUS	MTG	REMARKS
LP	4 100 30 1	LIGHTING DOOR OPENER	225A	SURFACE	MAIN BREAKER ADJUST TRIP
	10 100 20	LIGHTING OUTLETS			
	1 100 1	NIGHT LIGHTS			
	1 100 1	FIRE ALARM PANEL			
	1 100 1	TICKET BOOTH			
	1 100 1	EMERG. SEN. BATTERY			
	4 100 1	SPARES			
	8 100 1	SPACES			
	225 150 2	MAIN BREAKER			

LP 120/240V, 1Ø, 3W, SQ.D. N.O.D. 3Ø POLE W/150A MAIN BREAKER

PANEL	BRANCH BREAKERS	DESCRIPTION	BUS	MTG	REMARKS
P-1	9 100 20 1	OUTLETS MECH	225A	SURFACE	MAIN BREAKER WITH ADJUST TRIP
	20 20 1	DIESEL FILL TANK			
	1 100 25	5HP COMPRESSOR			
	2 100 20	CONDENSING UNIT			
	2 100 20	SEPTIC TANK & PANEL			
	4 100 20	SPARES			
	2 100 60	WELDING OUTLETS			
	6 100 1	SPACES			
	225 150 2	MAIN BREAKER			

P-1 120V/240V, 1Ø, 3W, SQ.D. N.O.D. 3Ø POLE W/MAIN BREAKER-150A

PANEL	BRANCH BREAKERS	DESCRIPTION	BUS	MTG	REMARKS
P-3	9 100 20 1	COMPUTER OUTLETS	100A	SURFACE	MAIN BREAKER WITH ADJUST TRIPS
	1 100 20	PHONE BOARD OUTLET			
	2 100 1	SPACES			
	1 100 1	MAIN BREAKER			

P-3 120/240V, 1Ø, 3W, SQ.D. N.O.D. 1/2 POLE W/MAIN BREAKER PANEL INSTALLED W/COMPLETE SURGE PROTECTION SYSTEM AS MANUF. BY MCG SURGE PROTECTION CO OR REVIEWED EQUAL TO SURGE FREE-40/80/120/180

PANEL	BRANCH BREAKERS	DESCRIPTION	BUS	MTG	REMARKS
P-4	8 100 20 1	MECH EQUIP	100A	SURFACE	MAIN BREAKER WITH ADJUST TRIPS
	2 100 20	SPARES			
	1 100 20	GHS 2ND. FL. DRFR.			
	1 100 50	ELEC. STOVE - 220V			
	1 100 30	STOVE HOOD LIGHTS			
	4 100 1	SPACES			
	1 100 100	MAIN BREAKER			

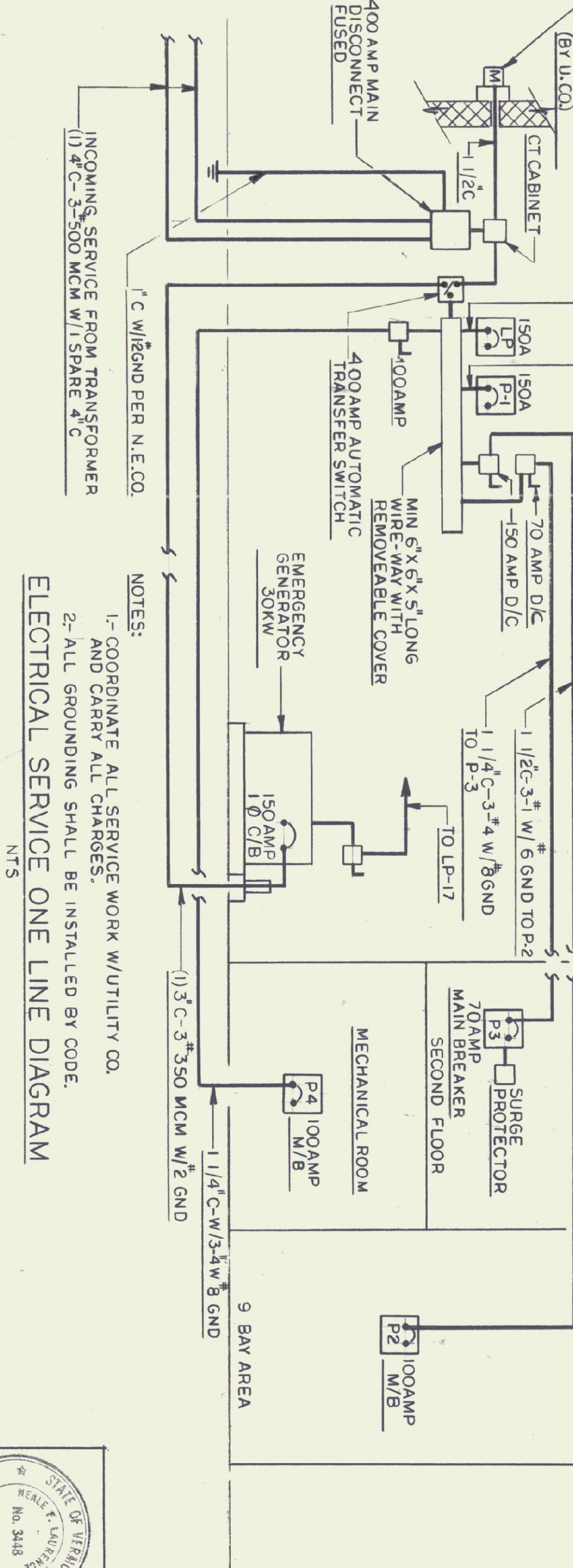
P-4 120/240V, 1Ø, 3W, SQ.D. N.O.D. 2Ø POLE W/MAIN BREAKER

SYMBOL	DESCRIPTION
⊕	JUNCTION BOX
⊖	SINGLE RECEPTACLE 1Ø, 15 A.F.F. (MAIN LEVEL @ 48\"/>
⊕	DUPLEX RECEPTACLE 1Ø, 15 A.F.F.
⊕	QUAD RECEPTACLE 1Ø, 15 A.F.F.
⊕	SPECIAL RECEPTACLE RATING ADJACENT POWER PANEL
⊕	FIRE STATION
⊕	TELEPHONE OUTLET
⊕	MOTOR STARTER
⊕	DISCONNECT
⊕	FIRE HORN & LIGHT
⊕	TRANSFORMER
⊕	HOME RUN TO PANEL P (MIN. 3/4\"/>
⊕	CONDUIT TURNING UP
⊕	CONDUIT TURNER UP
⊕	EXIT LIGHT
⊕	FLOURESCENT LIGHT
⊕	AUTOMATIC DOOR HOLDER
⊕	OVERHEAD DOOR OPENER W/RECEPTACLE
⊕	CEILING RECEPTACLE
⊕	G.F.I. RECEPTACLE
⊕	SINGLE POLE SWITCH 48\"/>
⊕	THREE-WAY SWITCH 48\"/>
⊕	ABOVE FINISHED FLOOR
⊕	AF.C. ABOVE FINISHED COUNTER
⊕	INCANDESCENT CEILING LIGHT
⊕	NIGHT LIGHT
⊕	DUPLEX RECEPTACLE IN FLOOR
⊕	CLOCK OUTLET 7\"/>
⊕	SM - MOTOR THERMAL SWITCH
⊕	A.H.U. AIRHANDLING UNIT
⊕	MOTOR
⊕	COMPUTER OUTLET
⊕	MOTOR THERMAL SWITCH
⊕	COMPUTER/TELEPHONE & QUAD. RECEPT. STA.

ELECTRICAL LEGEND
SYMBOLS USED ARE INDICATED BY A CHECK

PANEL	BRANCH BREAKERS	DESCRIPTION	BUS	MTG	REMARKS
P-2	10 100 20 1	LIGHTING/MECH	100A	SURFACE	MAIN BREAKER WITH ADJUST TRIPS
	7 100 20	OUTLETS			
	3 100 30	DOORS & FF-2			
	30 100 30	SALT SHED & CHLORIDE DWB			
	3 100 20	SPARES			
	6 100 1	SPACES			
	225 150 2	MAIN BREAKER			

P-2 120/240V, 1Ø, 3W, SQ.D. N.O.D. 3Ø POLE W/150A MAIN BREAKER



ELECTRICAL SERVICE ONE LINE DIAGRAM
NTS

NOTES:
1 - CORRELATE ALL SERVICE WORK W/UTILITY CO. AND CARRY ALL CHARGES.
2 - ALL GROUNDING SHALL BE INSTALLED BY CODE.

STATE OF VERMONT
AGENCY OF TRANSPORTATION
COLCHESTER MAINTENANCE FACILITY
CHIMNEY CORNERS
VERMONT

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N.F. LAURENCE and ASSOC. INC.
113 WEST MAIN STREET NORTHBOROUGH, MA.

REVISIONS
1 1/18/00
2 1/18/00

SCALE: AS NOTED
DATE: 10/15/99
DRAWN BY: DG
APPR BY: NFL

MAINTENANCE GARAGE ELECTRICAL DETAILS