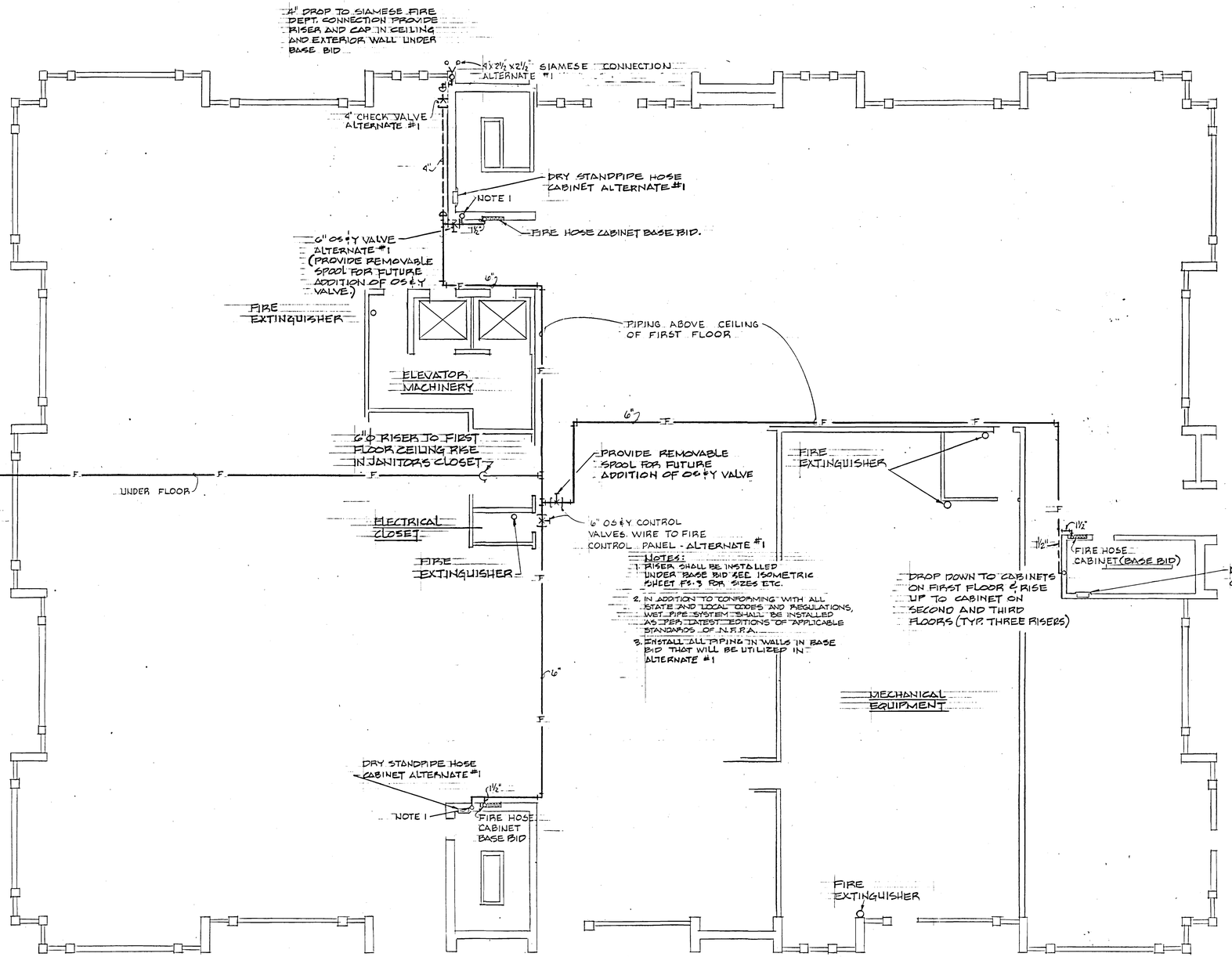


NORTH

FIRST FLOOR PLAN

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

0000SRFS1
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Wet Standpipe System - 24318

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4770
TODD B. WILDE
STATE OF UTAH

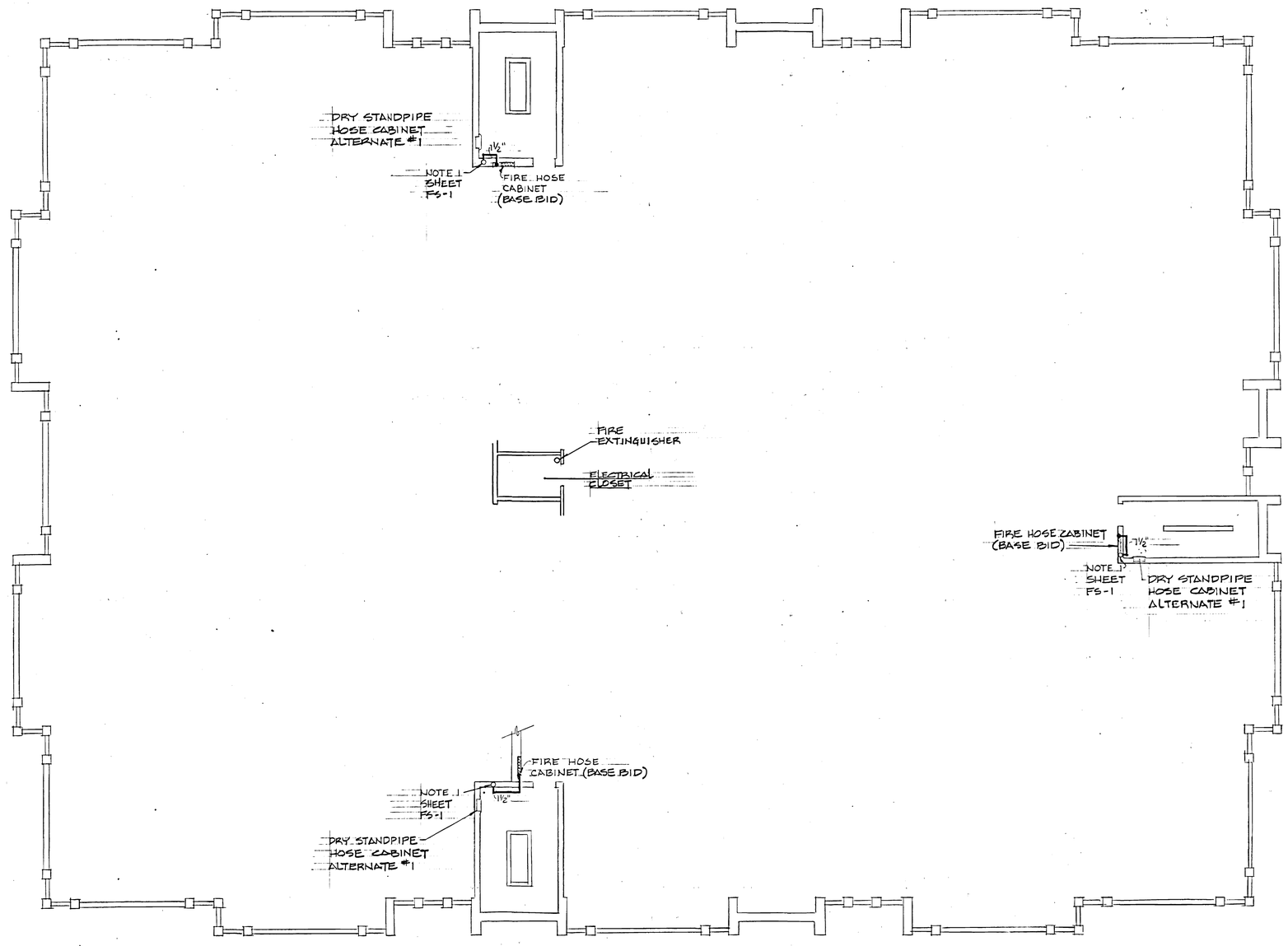
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

WET STANDPIPE SYSTEM
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
UTAH STATE BUILDING BOARD
PROJECT I.D. NO: SBB NA:77-069

DATE	4-5-79
FILE NO.	214
DRAWN BY:	C.A.
CHECKED BY:	S.L.W.

SHEET FS1

58 OF 103 SHEETS



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

NORTH

0000SRFS2
Department of Natural Resources, Administration Building
Addition; Salt Lake City - NA: 77-069
Wet Standpipe System - 24319

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

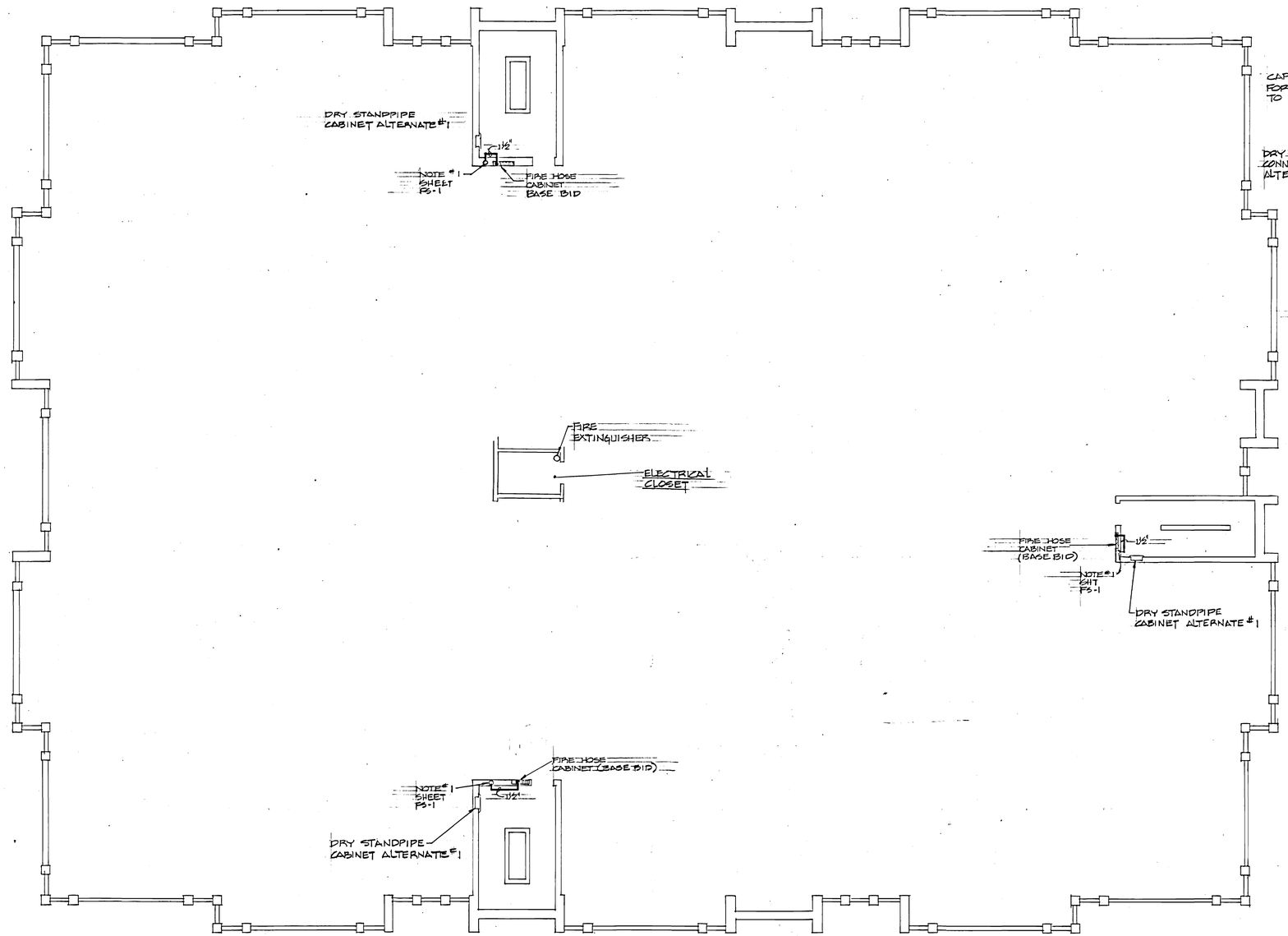
REGISTERED PROFESSIONAL ENGINEER
No. 4770
TODD B. WILDE
STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

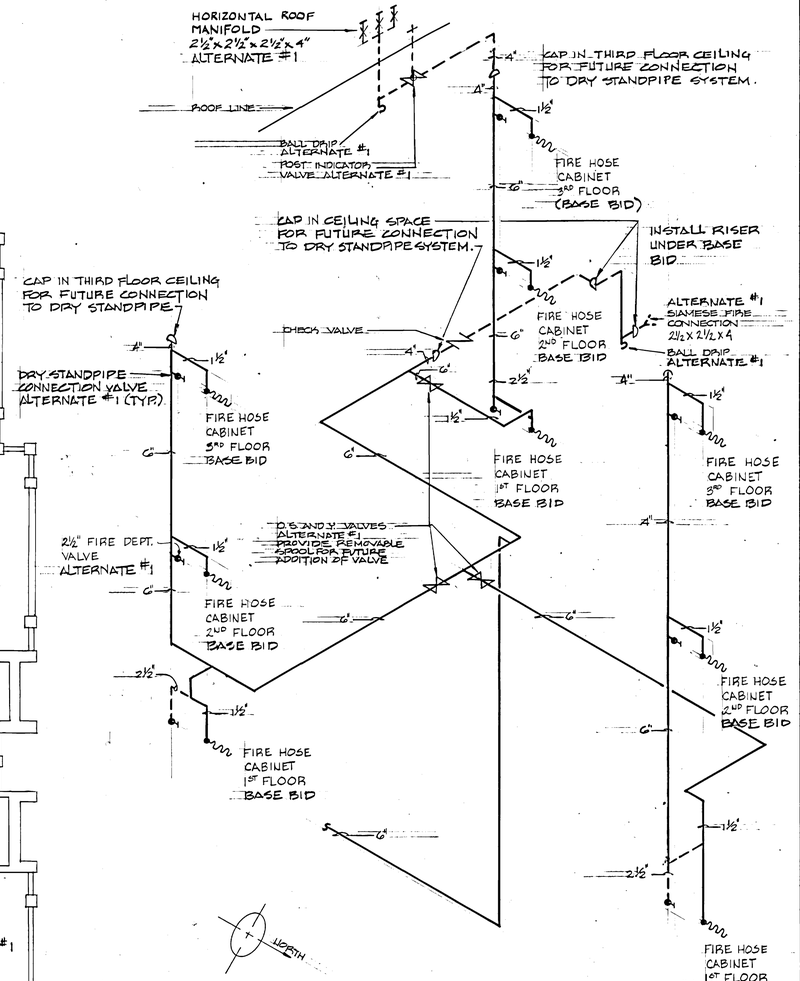
WET STANDPIPE SYSTEM
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
UTAH STATE BUILDING BOARD
PROJECT I.D. NO.: SBB NA: 77-069

DATE	4-5-79
FILE NO.	214
DRAWN BY:	C.A.
CHECKED BY:	S.L.W.

SHEET
FS2
59 OF 103 SHEETS



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



COMBINATION DRY & WET STANDPIPE ISOMETRIC
NO SCALE
——— BASE BID
– – – – ALTERNATE #1

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

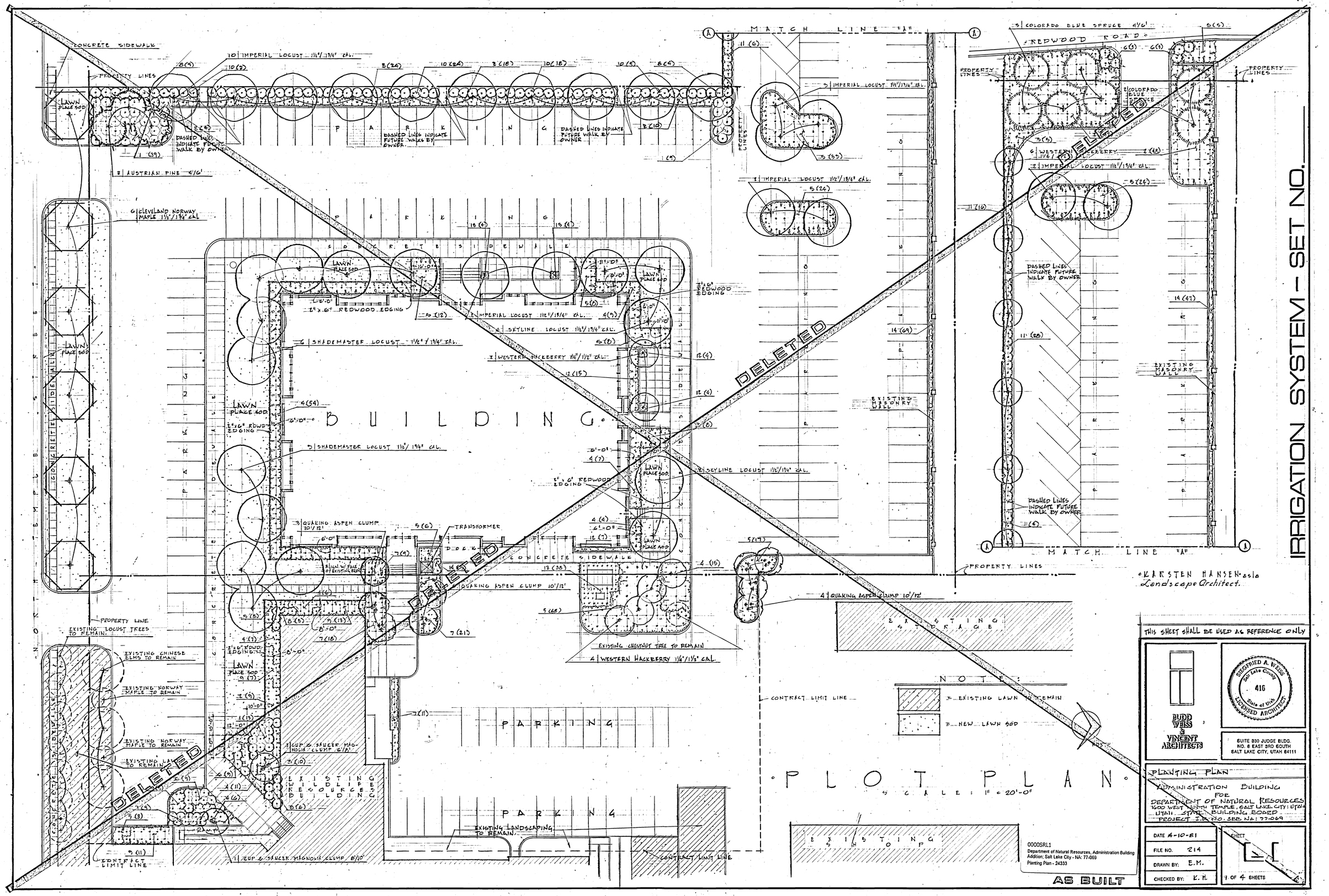
WET STANDPIPE SYSTEM
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA:77-069

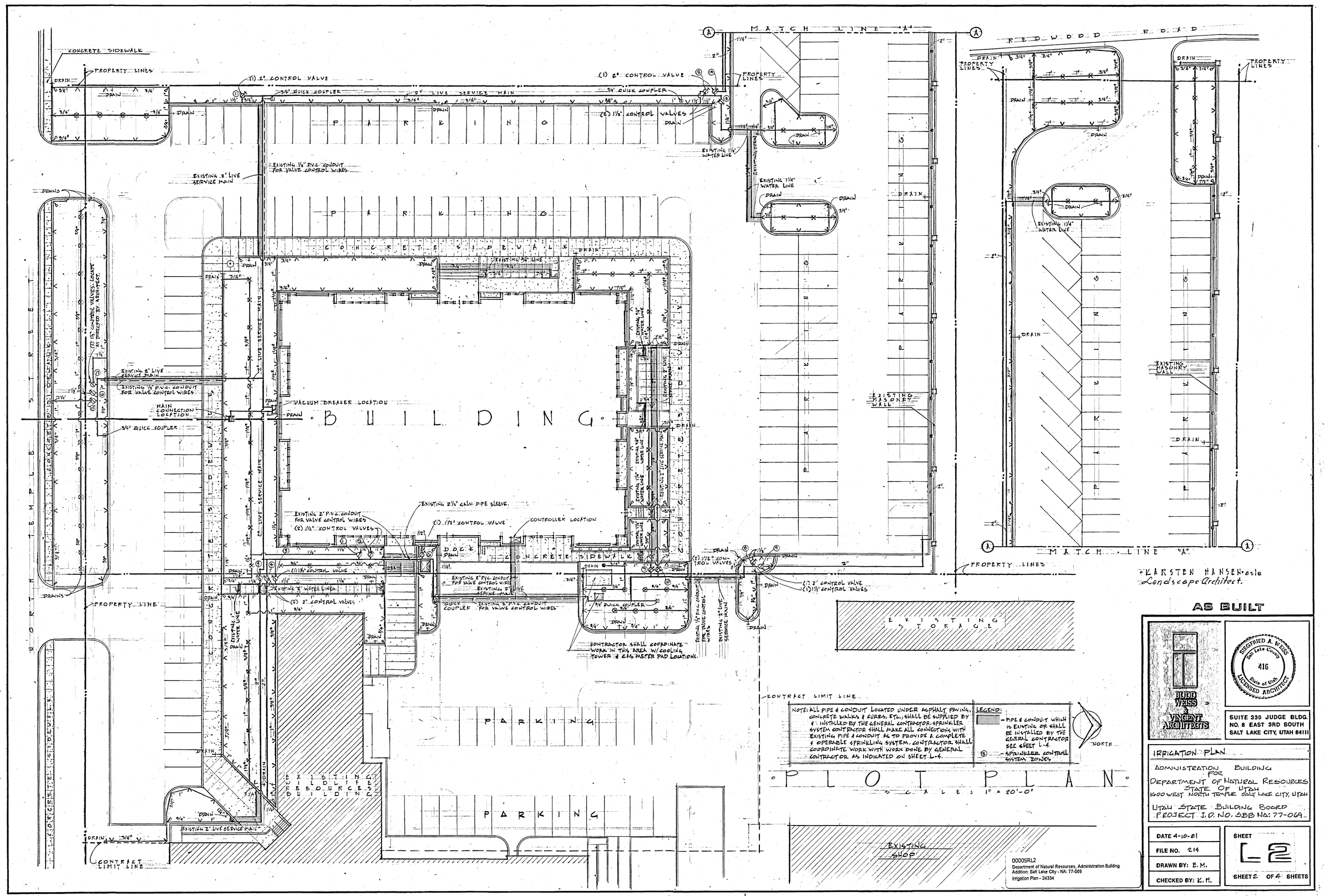
DATE	4-5-79
FILE NO.	214
DRAWN BY:	C.A.
CHECKED BY:	S.L.W.

SHEET FS3
90 OF 103 SHEETS

REGISTERED L. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

0000SRFS3
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Wet Standpipe System - 24320


IRRIGATION SYSTEM – SET NO.
PLOT PLAN
SCALE: 1" = 20'-0"
KARSTEN HANSEN asla
Landscape Architect
MATCH LINE "A"
REDWOOD ROAD
PARKING
BUILDING
CONCRETE SIDEWALK
PROPERTY LINES
PROPERTY LINE
LAWN PLACE SOD
DASHED LINES INDICATE FUTURE WALK BY OWNER
DELETED
EXISTING MASONRY WALL
EXISTING STORAGE
EXISTING WILDLIFE RESOURCES BUILDING
EXISTING LANDSCAPING TO REMAIN
CONTRACT LIMIT LINE
EXISTING CHESTNUT TREE TO REMAIN
4 WESTERN HACKBERRY 1½"/1½" CAL.
4 QUAKING ASPEN CLUMP 10'/12'
3 QUAKING ASPEN CLUMP 10'/12'
1 CUP & SAUCER MAGNOLIA CLUMP 8'/10'
3 CUP & SAUCER MAGNOLIA CLUMP 6'/8'
EXISTING CHINESE ELMS TO REMAIN
EXISTING NORWAY MAPLE TO REMAIN
EXISTING LOCUST TREES TO REMAIN
2 AUSTRIAN PINE 6'/6'
6 CLEVELAND NORWAY MAPLE 1½"/1¾" CAL
3 COLORADO BLUE SPRUCE 6'/6'
2 COLORADO BLUE SPRUCE
6 WESTERN HACKBERRY 1½"/2"
2 IMPERIAL LOCUST 1½"/1¾" CAL.
5 IMPERIAL LOCUST 1½"/1¾" CAL.
2 SKYLINE LOCUST 1½"/1¾" CAL.
6 SHADEMASTER LOCUST 1½"/1¾" CAL.
2"x6" REDWOOD EDGING
NOTE:
EXISTING LAWN TO REMAIN
NEW LAWN SOD
0000SRL1
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Planting Plan - 24333
AS BUILT
THIS SHEET SHALL BE USED AS REFERENCE ONLY
BUDD WEISS & VINCENT ARCHITECTS
SIGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT
SUITE 830 JUDGE BLDG. NO. 8 EAST 3RD SOUTH SALT LAKE CITY, UTAH 84111
PLANTING PLAN
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA: 77-069
DATE 4-10-81
FILE NO. 214
DRAWN BY: E.M.
CHECKED BY: K.H.
SHEET
1 OF 4 SHEETS



KARSTEN HANSEN asla
Landscape Architect.

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

IRRIGATION PLAN

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH

UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA: 77-069

DATE 4-10-81	SHEET L-2
FILE NO. 214	
DRAWN BY: E.M.	
CHECKED BY: K.H.	SHEET 2 OF 4 SHEETS

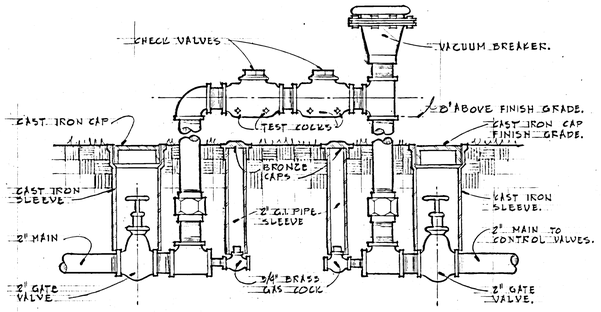
◦ PLANT MATERIAL KEY ◦

KEY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	QTY.	REMARKS
		◦ T R E E S ◦				
A	Acer platanoides hyb.	CLEVELAND NORWAY MAPLE	1½"/1¾"	B.B.	17	
B	Betula papyrifera	PAPER BIRCH CLUMP	1¼"/1½"	CONT.	9	21 GAL; 3 OR MORE STEMS
C	Celtis occidentalis	WESTERN HACKBERRY	1¼"/1½"	CONT.	11	21 GAL.
D	Gleditsia tria. inerm. st.	IMPERIAL LOCUST	1½"/1¾"	CONT.	19	21 GAL.
E	Gleditsia tria. inerm. st.	SHADEMASTER LOCUST	1¼"/1½"	CONT.	11	21 GAL.
F	Gleditsia tria. inerm. st.	SKYLINE LOCUST	1½"/1¾"	CONT.	15	21 GAL.
G	Picea pungens glauca	COLORADO BLUE SPRUCE	6'/6'	B.B.	7	
H	Pinus nigra	AUSTRIAN PINE	6'/6'	B.B.	8	
I	Populus tremuloides	QUAKING ASPEN CLUMP	10'/12'	CONT.	9	3 OR MORE STEMS
J	Prunus blireiana	BLIREIANA FLWG. PLUM	6'/8'	CONT.	3	
K	Prunus serrulata hyb.	KWANZAN FLWG. CHERRY	6'/8'	CONT.	3	
L	Magnolia soulongeana	CUP AND SAUCER MAGNOLIA	6'/8'	B.B.	3	CLUMP - 3 OR MORE STEMS
		◦ E V E R G R E E N S ◦				
1	Cotoneaster dammeri	BEARBERRY COTONEASTER	5 GAL	CONT.	70	
2	Juniperus horiz. wiltoni	WILTON CARPET JUNIPER	18/24"	CONT.	149	5 GAL.
3	Juniperus sab. hyb.	BROADMOOR JUNIPER	18/24"	CONT.	58	5 GAL.
4	Juniperus sab. hyb.	BUFFALO JUNIPER	18/24"	CONT.	119	5 GAL.
5	Juniperus s. tamariscifolia	TAMARIX JUNIPER	18/24"	CONT.	255	5 GAL.
6	Pinus mugo mughus	DWF. SWISS MT. PINE	18/24"	B.B.	24	
7	Taxis cusp. densiformis	DENSE JAPANESE YEW	18/24"	B.B.	81	
8	Viburnum burkwoodi	BURKWOOD'S VIBURNUM	5 GAL.	CONT.	24	
9	Juniperus horizontalis hyb.	TURQUOISE SPREADER JUN.	18/24"	CONT.	36	5 GAL.
		◦ D E C I D U O U S S H R U B S ◦				
10	Cotoneaster acutifolia	PEKING COTONEASTER	2'/3'	B.B.	55	
11	Euonymus alatus compacta	DWARF BURNING BUSH	18/24"	B.B.	56	
		◦ G R O U N D C O V E R S & V I N E S ◦				
12	Euonymus f.r. and-mand.	SILVER-EDGED WINTERCREEPER EU.	1 GAL.	CONT.	80	
13	Euonymus fort. rad. hyb.	ALUSA WINTERCREEPER EU.	1 GAL.	CONT.	46	
14	Forsythia suspensa hyb.	ARNOLD DWARF FORSYTHIA	1 GAL.	CONT.	116	

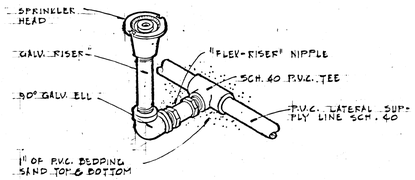
DELETED

IRRIGATION SPRINKLER SYSTEM LEGEND:

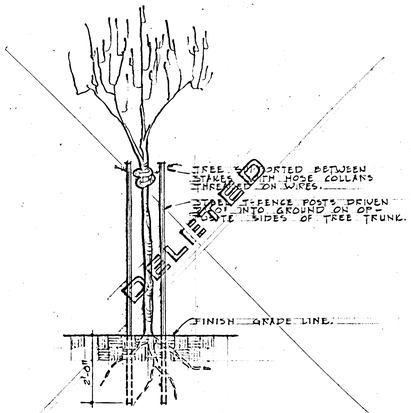
	FULL CIRCLE HEAD	BUCKNER	# 403 F
	HALF CIRCLE HEAD	BUCKNER	# 403 H
	THREE-QUARTER CIRCLE HEAD	BUCKNER	# 403 TQ
	QUARTER CIRCLE HEAD	BUCKNER	# 403 Q
	STREAM SPRAY HEAD	BUCKNER	# 402 L
	BUBBLER HEAD	BUCKNER	# 402
	AUTOMATIC CONTROL VALVE	BUCKNER	# 933 G
	MAIN CONNECTION LOCATION		
	VACUUM BREAKER LOCATION		
DRAIN	MANUAL DRAIN VALVE	MUELLER	# H1100T
	QUICK COUPLER VALVE PROVIDE (2) # 20 HOSE SWIVEL ELLS WITH A # 18C FEMALE KEY AND (2) # 62 LOCKING COVER KEYS.	BUCKNER	# 13
	CONTROLLER	BUCKNER	KCS-24



◦ VACUUM BREAKER DETAIL ◦
NO SCALE



◦ SPRINKLER HEAD DETAIL ◦
NO SCALE



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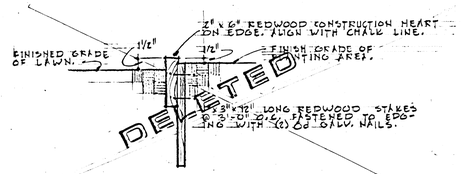
◦ TREE STAKING DETAIL ◦
NO SCALE



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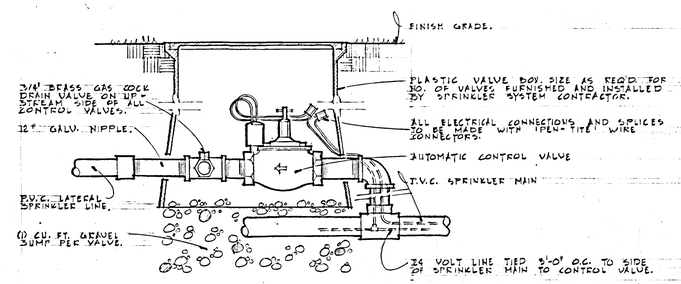
◦ REDWOOD EDGING DETAIL ◦
SCALE: 1½" = 1'-0"



◦ AUTO. CONTROL VALVE DETAIL ◦
NO SCALE

REMOTE CONTROL VALVES WIRE ◦ SIZING SCHEDULE ◦

MAXIMUM ALLOWABLE DISTANCE IN FEET

COMMON RETURN WIRE SIZE	CONTROL WIRE SIZE #14	#12	#10	#8	#6
#14	700	850	1000	1100	1400
#12	850	1100	1500	1600	1700
#10	1000	1500	1700	2100	2600
#8	1100	1500	2100	3000	3700
#6	1600	1700	2600	3700	4000

NOTE: WIRE SIZE LISTED FOR OPERATION OF ONE BECKNER 50 AE SERIES ON 24 VOLT OUTPUT FROM STANDARD BUCKNER 40 VA TRANSFORMER.

◦ WIRE SPECIFICATION ◦

TYPE T.H.W. VINYL PLASTIC COVERED OR T.H.W. NEOPRENE COVERED DIRECT BURIAL WIRE FIELD SPLICES MAY BE WATERPROOFED BY USING SCOTCHFILL TAPE. SUBJECT TO LOCAL ELECTRICAL CODES, 24 VOLT SYSTEMS MAY BE BURIED DIRECTLY.

NOTE:

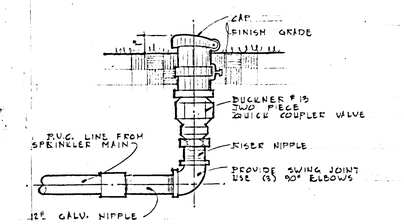
ALL PIPES AND FITTINGS ON MAIN LINES UNDER CONSTANT PRESSURE SHALL BE NEW P.V.C. SCHEDULE 40 PIPE OF SIZE INDICATED ON THE DRAWINGS. ALL GALV. PIPE INDICATED ON DETAILS SHALL BE NEW GALV. STEEL PIPE. LIVE SERVICE MAINS TO BE INSTALLED A MINIMUM OF 24" BELOW FINISH GRADE. ALL LATERAL LINES NOT UNDER CONSTANT PRESSURE SHALL BE NEW P.V.C. SCH 40 PIPE PLACED A MINIMUM OF 6" BELOW FINISH GRADE. ALL P.V.C. FITTINGS SHALL BE ASTM-D-2466 FITTINGS.

ALL LINES SHALL SLOPE TO A DRAIN. IF FIELD CONDITIONS NECESSITATE ADDITIONAL DRAINS, THESE DRAINS SHALL BE INSTALLED FOR COMPLETE DRAINAGE OF THE SYSTEM. MANUAL DRAINS SHALL BE MUELLER # H1100T BRASS DRAIN COCKS LOCATED TO INSURE AND GUARANTEE COMPLETE DRAINAGE OF THE ENTIRE SYSTEM. PROVIDE A 12" x 12" x 18" DEEP GRAVEL SUMP UNDER EACH DRAIN WHICH WILL BE 6" BELOW FINISH GRADE. EACH DRAIN VALVE SHALL BE ENCLOSED IN A 2" G.I. PIPE WITH A BRONZE CAP EXTENDING TO 1" ABOVE FINISH GRADE.

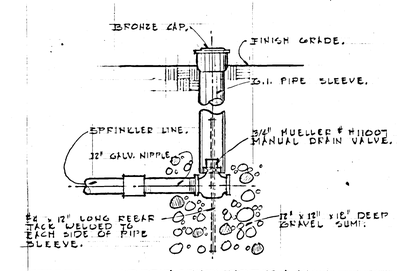
SYSTEM IS DESIGNED FOR 60 P.S.I. STATIC PRESSURE.

THIS CONTRACTOR SHALL PROVIDE AN AS-BUILT DRAWING OF THE IRRIGATION SPRINKLER SYSTEM SHOWING EXACT MEASURED AND DIMENSIONED LOCATION OF ALL VALVES AND ALL WIRE SPLICES NOT IN VALVE BOX, SLEEVES SHOW AND DIMENSION ALL DRAIN VALVES. TIE DIMENSIONS TO PERMANENT FEATURES SUCH AS STRUCTURES.

THIS DRAWING IS DIAGRAMMATIC ONLY AND IS INTENDED TO CONVEY THE IDEA OF FULL COVERAGE OF THE IRRIGATION SPRINKLER SYSTEM. PRINTS SHALL NOT BE SCALED. THE IRRIGATION SPRINKLER SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION LAYOUT OF THE SYSTEM, IN ACCORDANCE WITH THE DRAWING, TO PROPORTIONALLY COVER A GIVEN AREA AS SHOWN. ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO ACTUAL CONSTRUCTION. THE LAYOUT MAY BE MODIFIED, IF NECESSARY, TO OBTAIN COVERAGE TO SUIT THE MANUFACTURER'S STANDARD HEADS INDICATED. DO NOT DECREASE THE NUMBER OF HEADS INDICATED UNLESS THIS IS ACCEPTABLE TO THE LANDSCAPE ARCHITECT. THE IRRIGATION SPRINKLER SYSTEM SHALL BE TESTED FOR COMPLETE COVERAGE AND ALL NECESSARY PROPER ADJUSTMENTS MADE TO GET FULL AND PROPER COVERAGE PRIOR TO ACCEPTANCE BY THE OWNER.



◦ QUICK COUPLER VALVE DETAIL ◦
NO SCALE



◦ DRAIN DETAIL ◦
NO SCALE

◦ KARSTEN HANSEN ◦ 6610
Landscape Architect.

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

SIEGFRIED A. WEISS
Salt Lake County
#116
State of Utah
LICENSED ARCHITECT

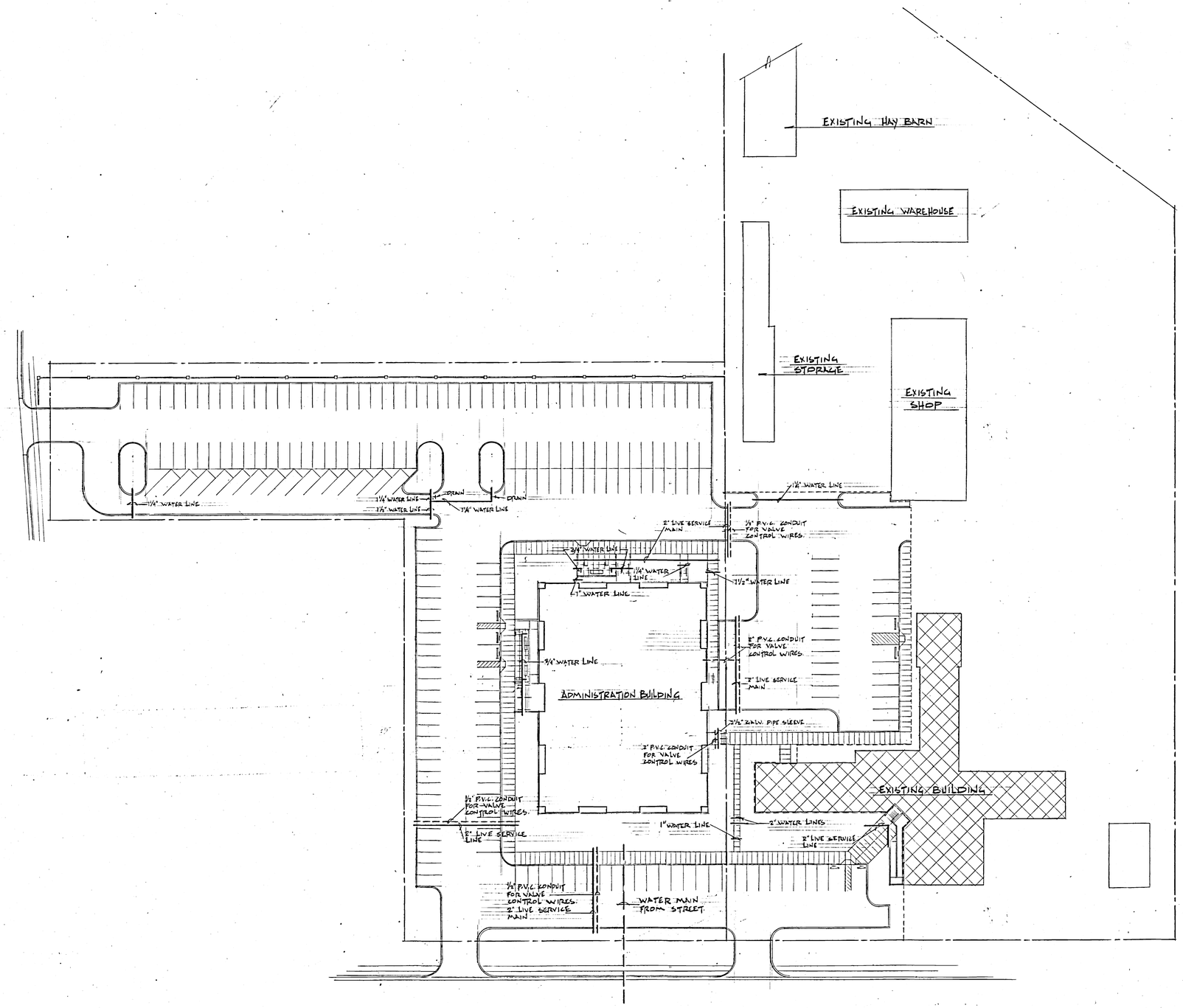
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

SCHEDULES & DETAILS.

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE, SALT LAKE CITY: UTAH
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA:77-069

DATE 4-10-81	SHEET L-3
FILE NO. 214	
DRAWN BY: E.M.	
CHECKED BY: K.H.	3 OF 4 SHEETS

00005RL3
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Schedules & Details - 24335



SPRINKLING SYSTEM MAINS PLAN

SCALE 1"=40'-0"

AS BUILT

NOTE: WORK SHOWN ON THIS SHEET IS EXISTING OR SHALL BE SUPPLIED & INSTALLED BY GENERAL CONTRACTOR. FOR CONTINUATION OF SPRINKING SYSTEM SEE SHEET L-2.

BUDD WEISS & VINCENT ARCHITECTS

SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

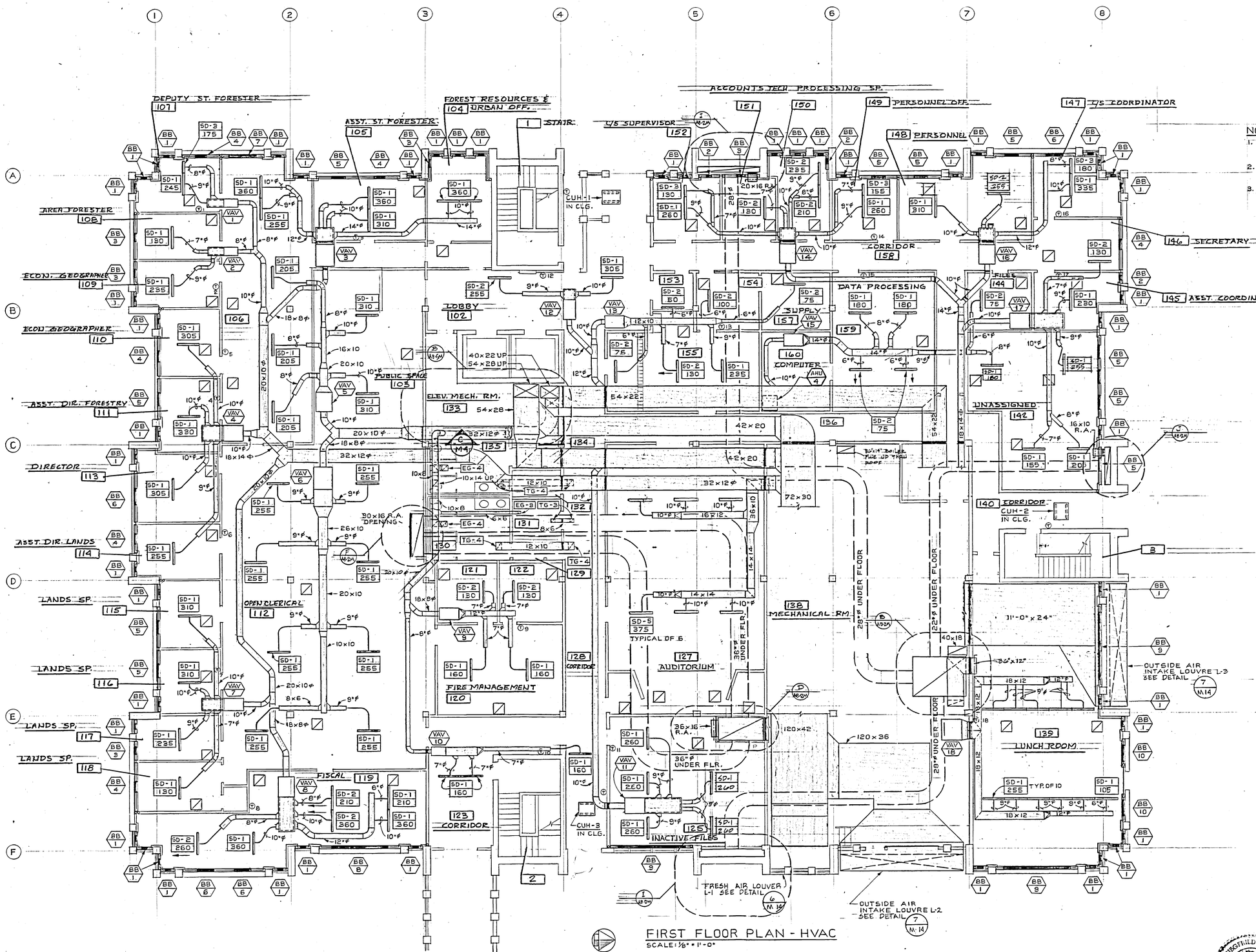
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

SPRINKLING SYSTEM MAINS PLAN - C.O. #18

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA: 77-069

DATE 4-10-81	SHEET L-4
FILE NO. 214	
DRAWN BY: H.L.	
CHECKED BY: SAW	SHEET 103 OF 103 SHEETS

0000SRL4
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Sprinkling System Mains Plan C.O. #18 - 24336



NOTES

1. ALL CORRIDOR PENETRATIONS AND FIRE RATED WALLS TO BE FIRE DAMPERED.
2. RG-1 TYPICAL ALL ROOMS.
3. INSTALL FIRE DAMPERS WHERE SHOWN ON DRAWINGS. DAMPERS SHALL BE UL LISTED WITH 180°F FUSE LINKS. LOUVERS AND DAMPERS MODELS HFD-VM AND HFD-HM AS REQUIRED.

FIRST FLOOR PLAN - HVAC

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

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

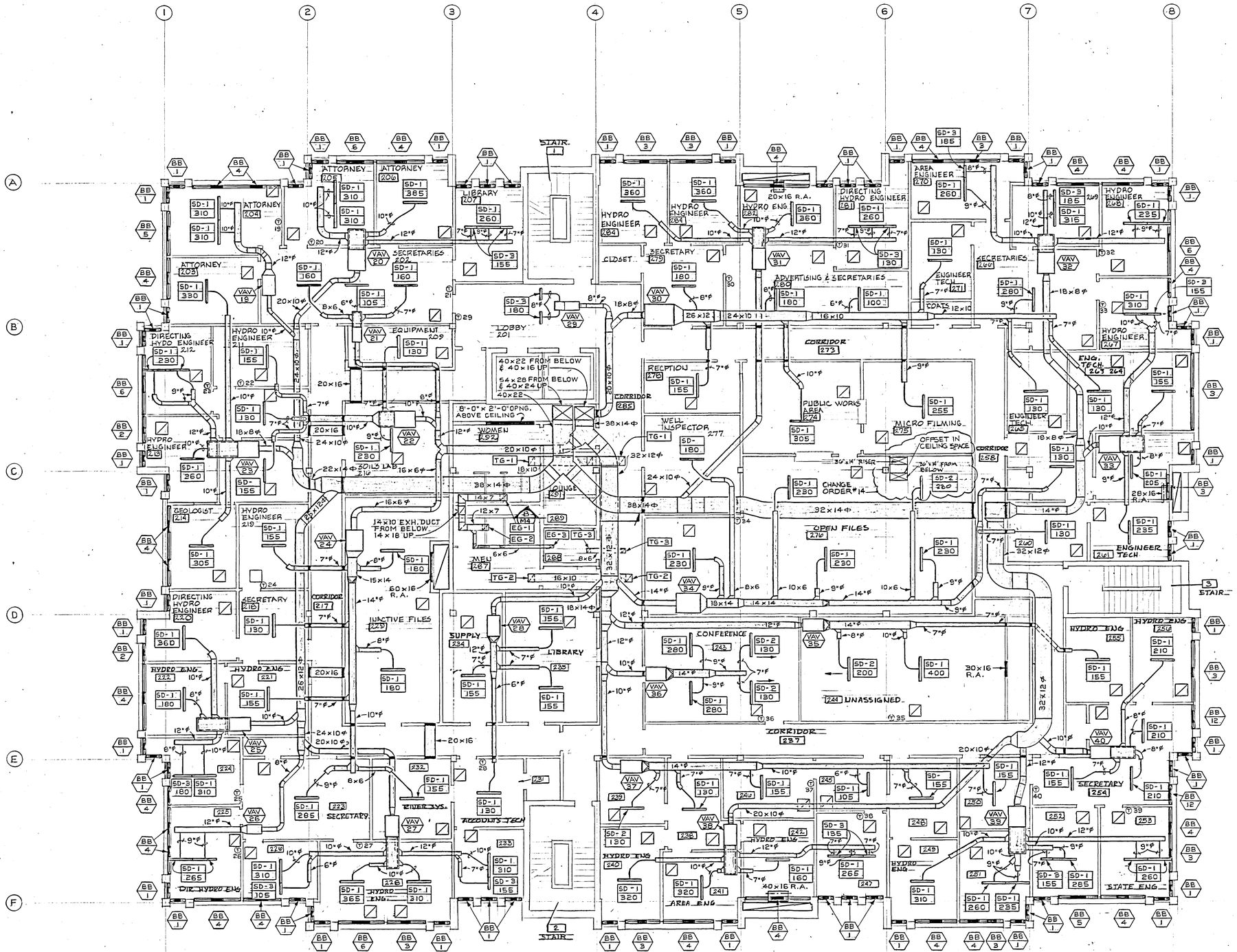
FIRST FLOOR PLAN - HVAC

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA:77-069

DATE 4-5-79	SHEET M1
FILE NO. 214	
DRAWN BY: K.C.	
CHECKED BY: S.L.W.	SHEET 69 OF 103 SHEETS

SIDGFIELD A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

00000SRM1
Department of Natural Resources, Administration Building
Addition; Salt Lake City - NA: 77-069
First Floor Plan - HVAC - 24288



NOTES

1. ALL CORRIDOR PENETRATIONS AND FIRE RATED WALLS TO BE FIRE DAMPERED.
2. RG-1 TYPICAL ALL ROOMS.
3. FIRE DAMPER — INSTALL FIRE DAMPERS WHERE SHOWN ON DRAWINGS. DAMPERS SHALL BE UL LISTED WITH 180°F FUSE LINKS. LOUVERS AND DAMPERS MODELS HFD-VM AND HFD-HM AS REQUIRED.

SECOND FLOOR PLAN - HVAC

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

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

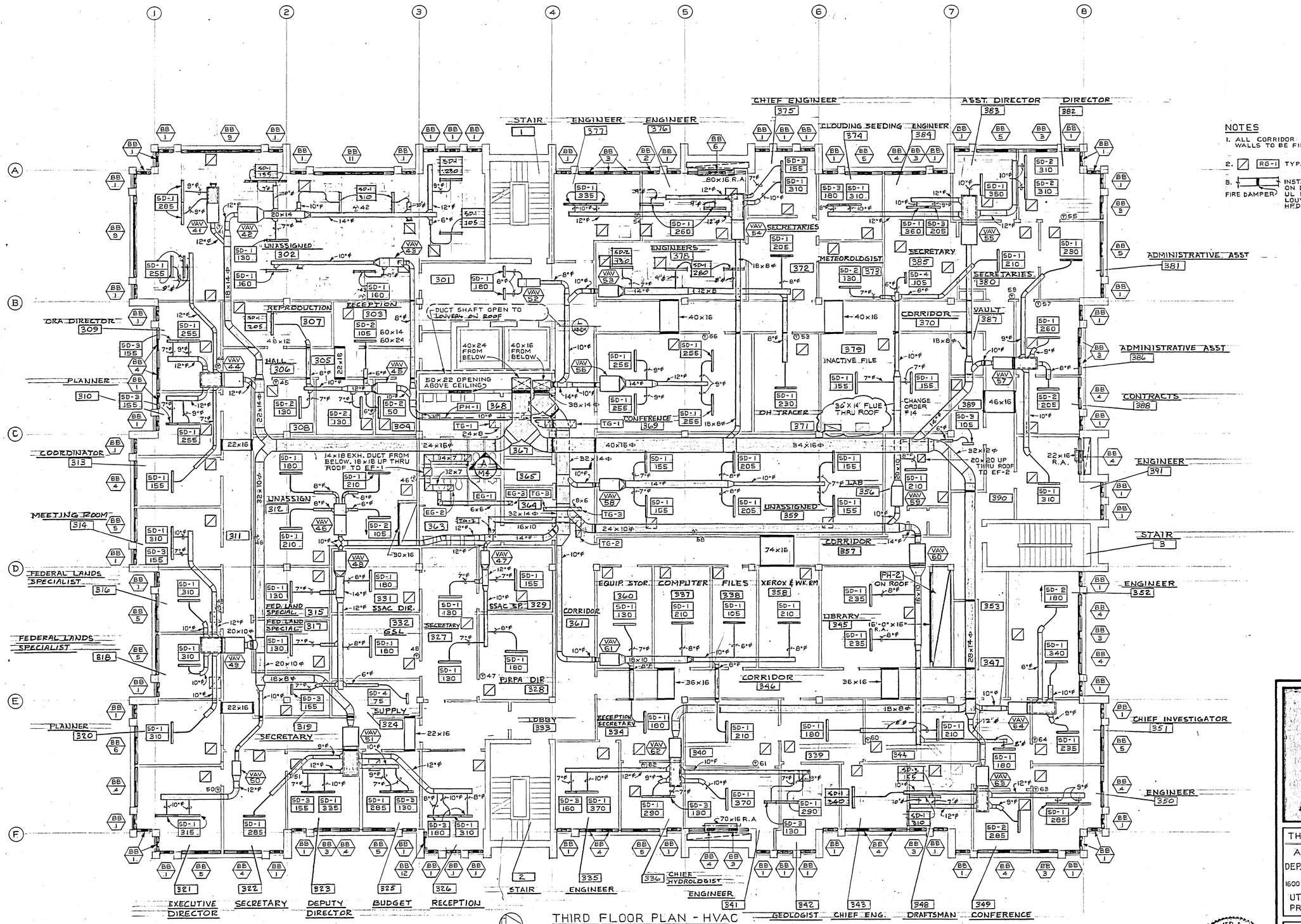
SECOND FLOOR PLAN - HVAC

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA: 77-069

DATE 4-5-79	SHEET M2
FILE NO. 214	
DRAWN BY: K.C.	
CHECKED BY: S.L.W.	SHEET 60 OF 103 SHEETS

00005RM2
Department of Natural Resources, Administration Building Addition, Salt Lake City - NA: 77-069
Second Floor Plan - HVAC - 24289

SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT



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

NOTES

1. ALL CORRIDOR PENETRATIONS AND FIRE RATED WALLS TO BE FIRE DAMPERED.
2. RG-1 TYPICAL ALL ROOMS.
3. FIRE DAMPER — INSTALL FIRE DAMPERS WHERE SHOWN ON DRAWINGS. DAMPERS SHALL BE UL LISTED WITH 160°F FUSE LINKS. LOUVERS AND DAMPERS MODELS HFD-VM AND HFD-HM AS REQUIRED.

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

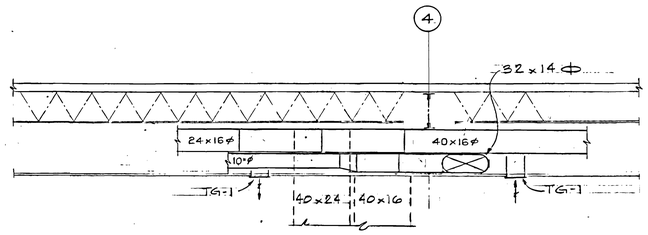
THIRD FLOOR PLAN-HVAC

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA 77-069

DATE 4-5-79	SHEET M3
FILE NO. 214	
DRAWN BY: K.C.	
CHECKED BY: S.L.W	SHEET 61 OF 103 SHEETS

SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

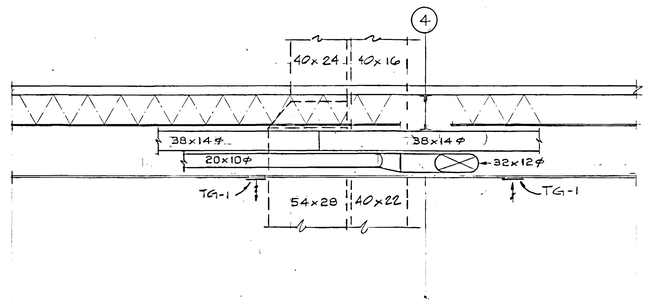
0000SRM3
Department of Natural Resources, Administration Building
Addition; Salt Lake City - NA: 77-069
Third Floor Plan - HVAC - 24290



SECTION A M4

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

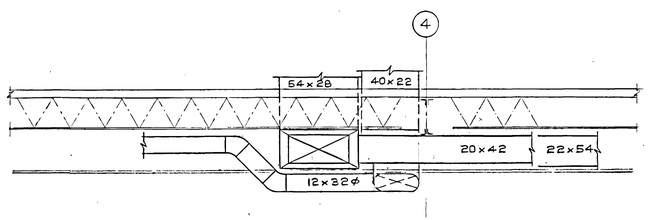
THIRD FLOOR



SECTION B M4

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

SECOND FLOOR



SECTION C M4

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

FIRST FLOOR

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4770
TODD B. WILDE
STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

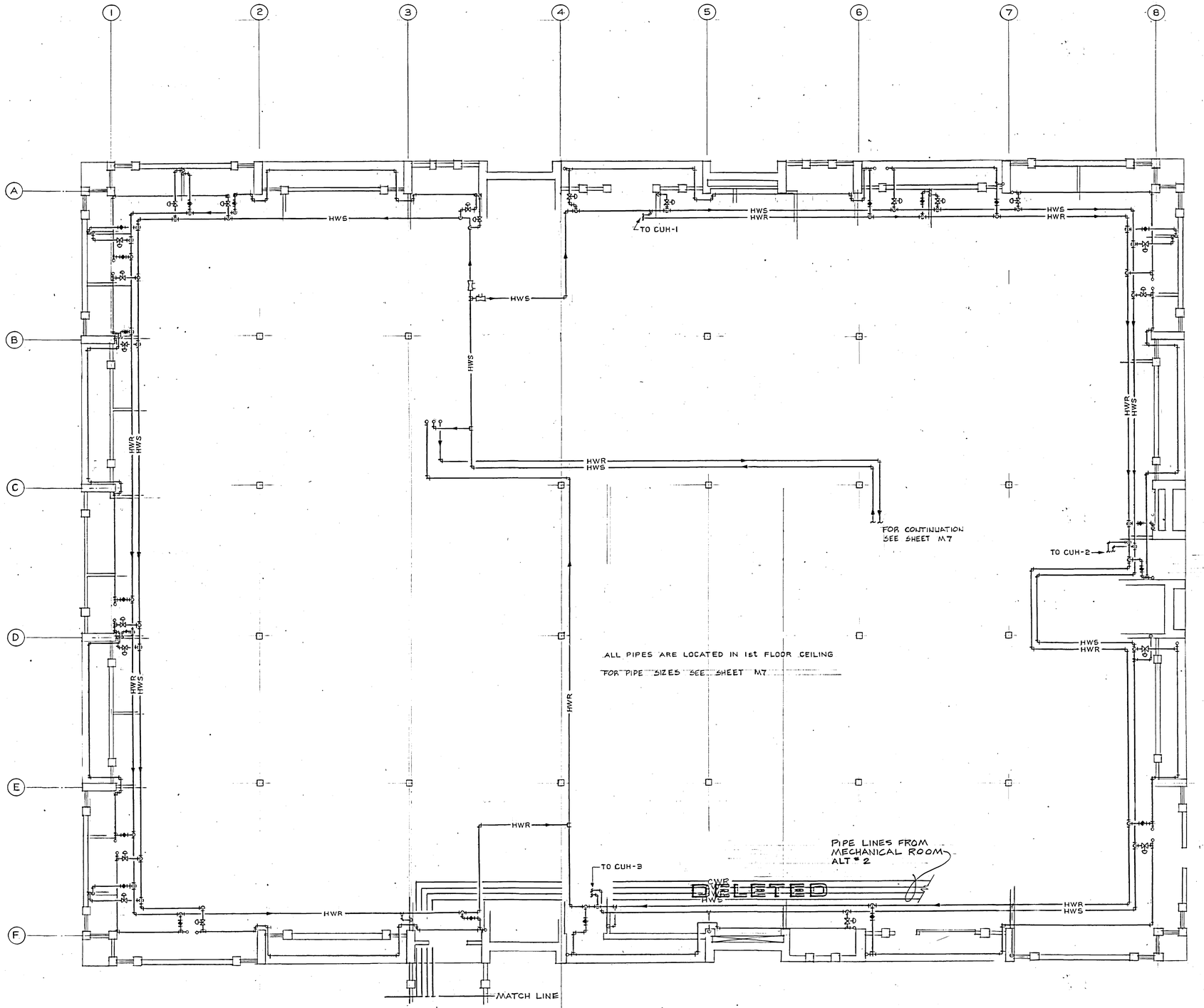
1ST, 2ND & 3RD FLOOR BUILDG SECTIONS

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA: 77-069

DATE 4-5-79	SHEET M4
FILE NO. 214	
DRAWN BY: L.R.L.	
CHECKED BY: S.L.W.	SHEET 62 OF 103 SHEETS

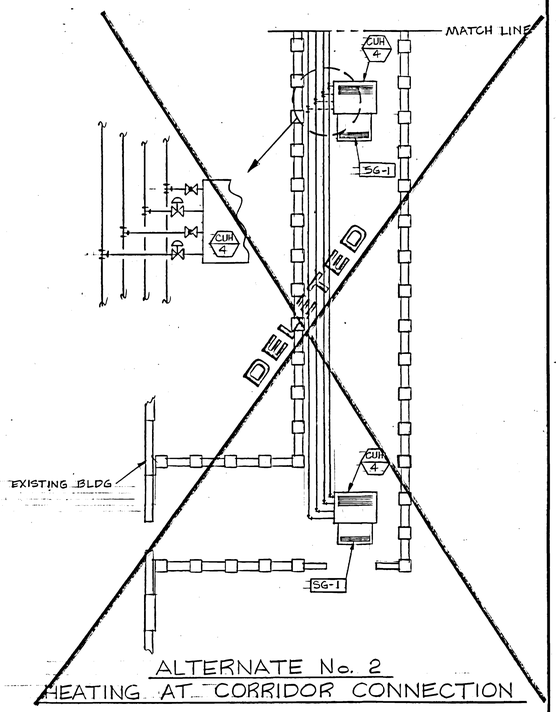
0000SRM4
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
First, Second, & Third Floor Building Sections - 24291

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT



FIRST AND SECOND FLOOR HEATING WATER PIPING LAYOUT

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



ALTERNATE No. 2
HEATING AT CORRIDOR CONNECTION

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4770
TODD B. WILDE
STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

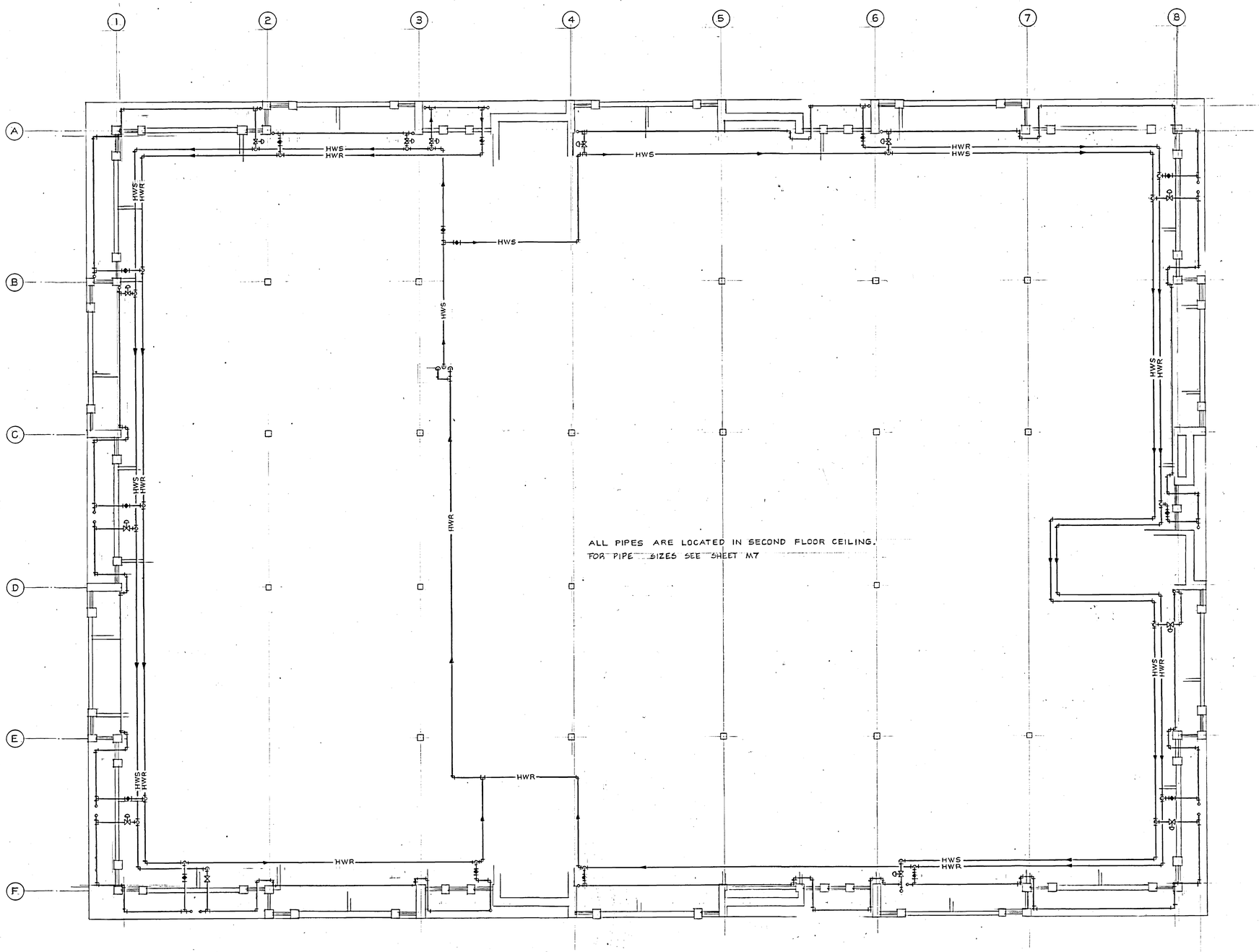
HEATING WATER PIPING LAYOUT

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA: 77-069

DATE 4-5-79	SHEET M5
FILE NO. 214	
DRAWN BY: K.C.	
CHECKED BY: S.L.W.	SHEET 63 OF 103 SHEETS

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

0000SRM5
Department of Natural Resources, Administration Building Addition, Salt Lake City - NA. 77-069
Heating Water Piping Layout - 24292



THIRD FLOOR HEATING WATER PIPING LAYOUT

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

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

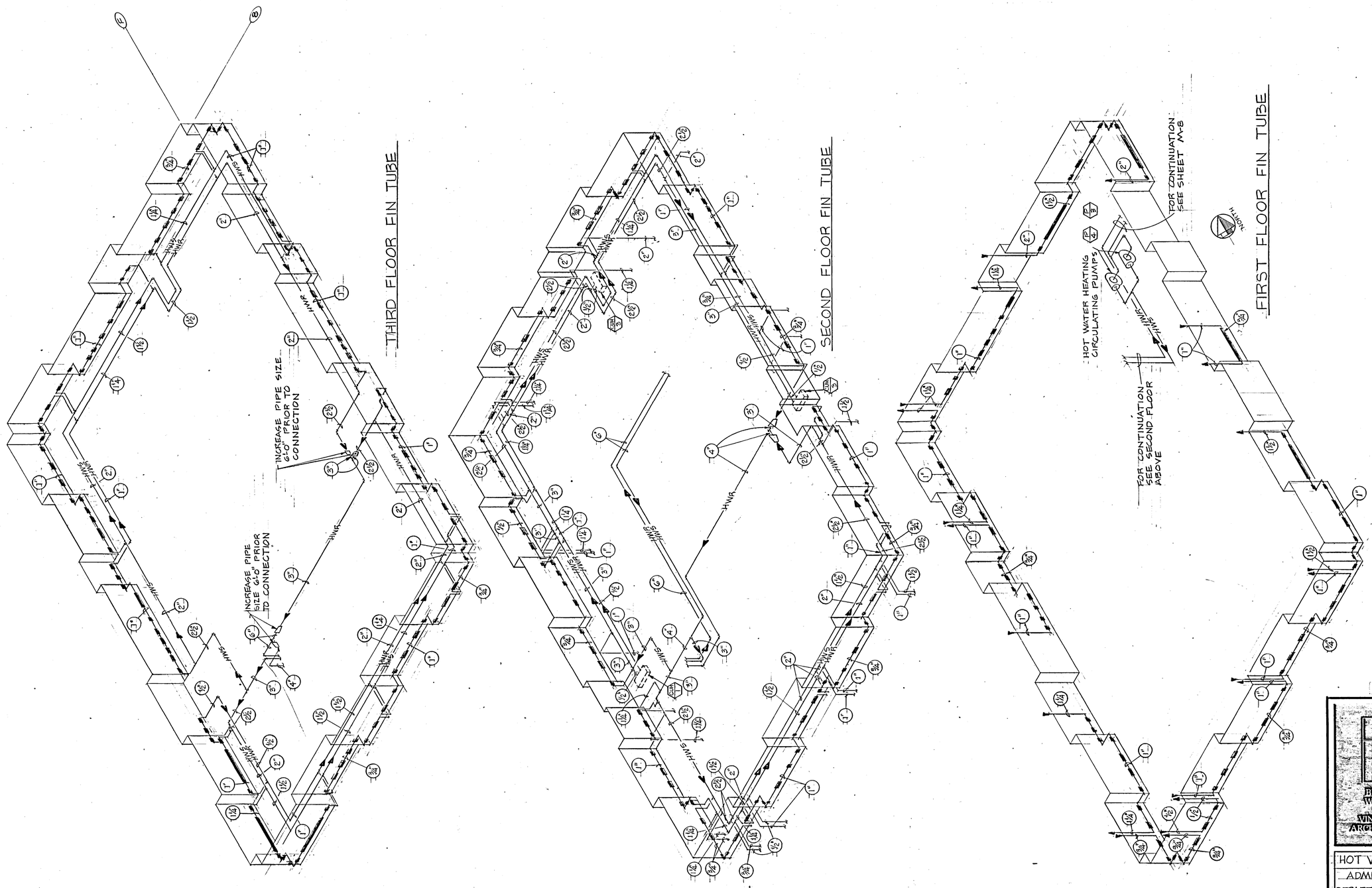
HEATING WATER PIPING LAYOUT

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA: 77-069

DATE 4-5-79	SHEET M6
FILE NO. 214	
DRAWN BY: K.C.	
CHECKED BY: S.L.W	SHEET 64 OF 103 SHEETS

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

0000SRM6
Department of Natural Resources, Administration Building
Addition; Salt Lake City - NA: 77-069
Heating Water Piping Layout - 24293



AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4770
TODD B. WILDE
STATE OF UTAH

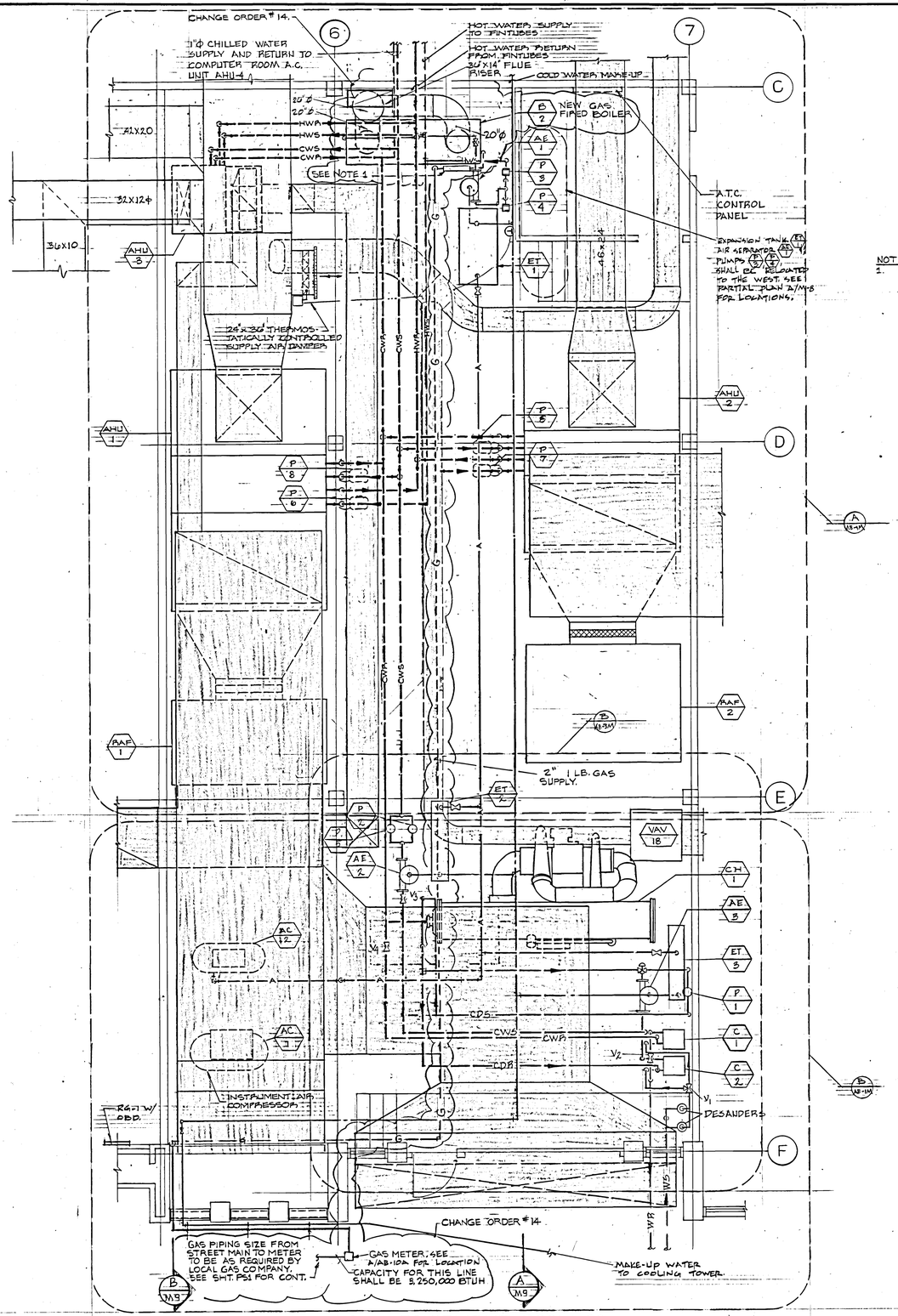
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

HOT WATER HEATING PLAN
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA:77-069

DATE 4-5-79	SHEET
FILE NO. 214	M7
DRAWN BY: T.W.	SHEET 65 OF 103 SHEETS
CHECKED BY: S.L.W.	

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

0000SRM7
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Hot Water Heating Plan - 24294

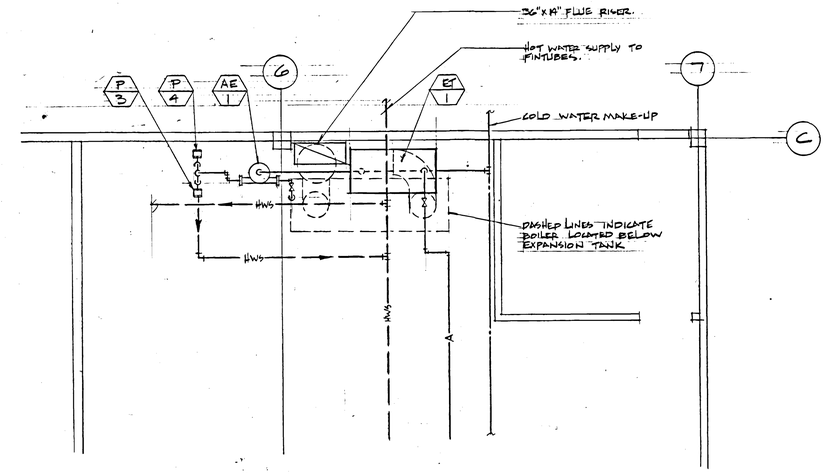


MECHANICAL EQUIPMENT ROOM 38

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

NOTES:

1. STANDARD GAS TRAIN PROVIDED BY BOILER MANUFACTURER AND FIELD INSTALLED. PROVIDE PRV FOR REDUCING 1 LB GAS TO 4 OZ.



A/M8 PARTIAL EQUIPMENT PLAN

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

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

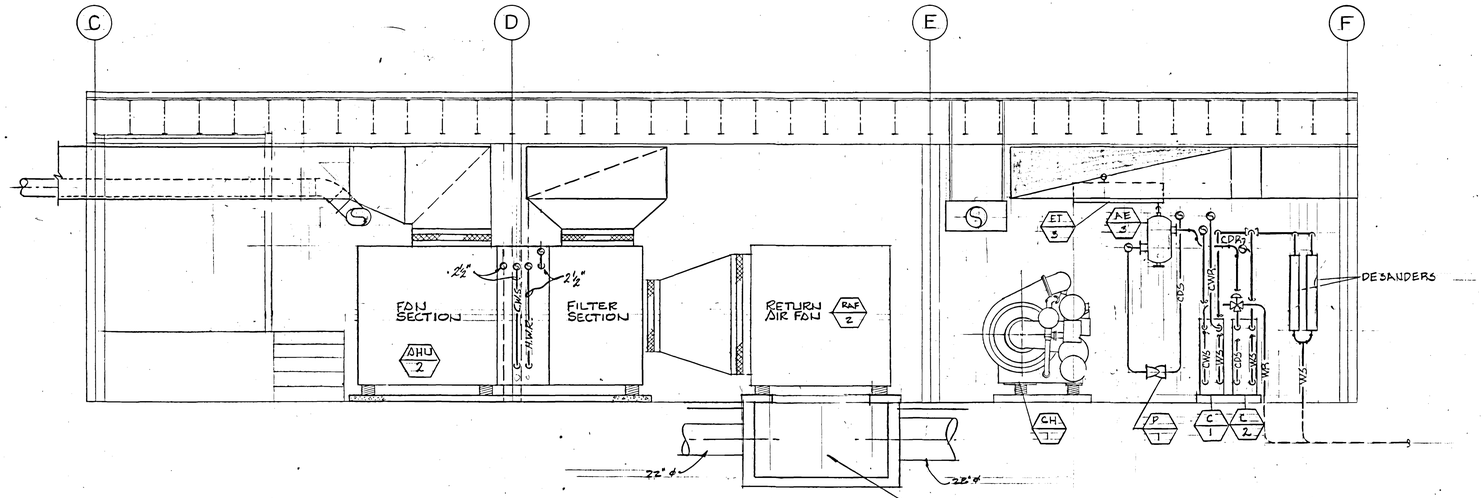
MECHANICAL EQUIPMENT ROOM

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA: 77-069

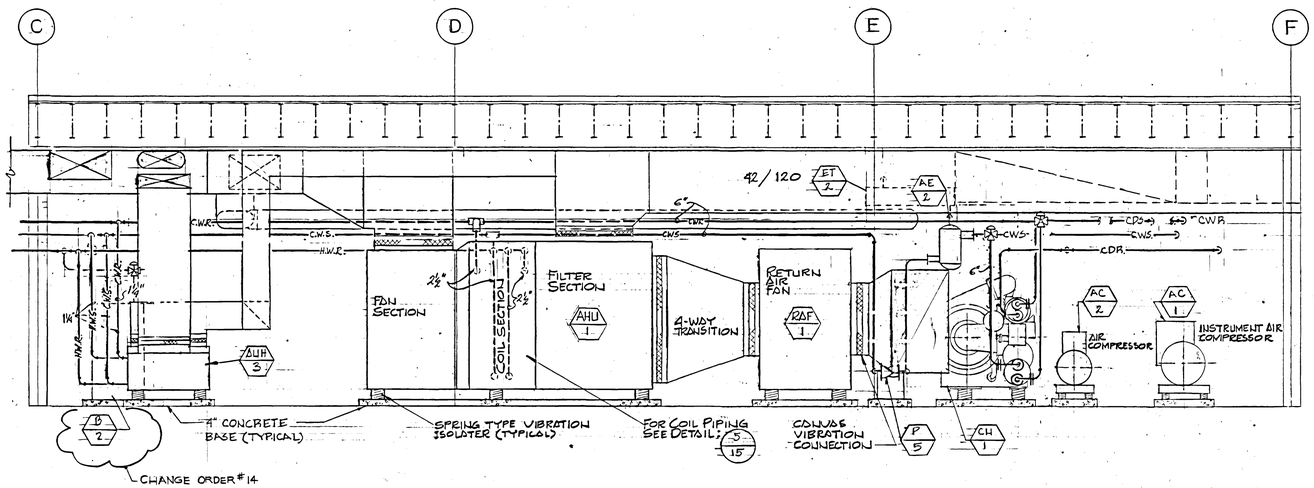
DATE 4-5-79	SHEET M8
FILE NO. 214	
DRAWN BY: T.W.	
CHECKED BY: S.L.W.	SHEET 66 OF 103 SHEETS

SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

0000SRM8
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Mechanical Equipment Room - 24295



SECTION A
SCALE: 1/4" = 1'-0" M8



SECTION B
SCALE: 1/4" = 1'-0" M8

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4770
TODD B. WILDE
STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

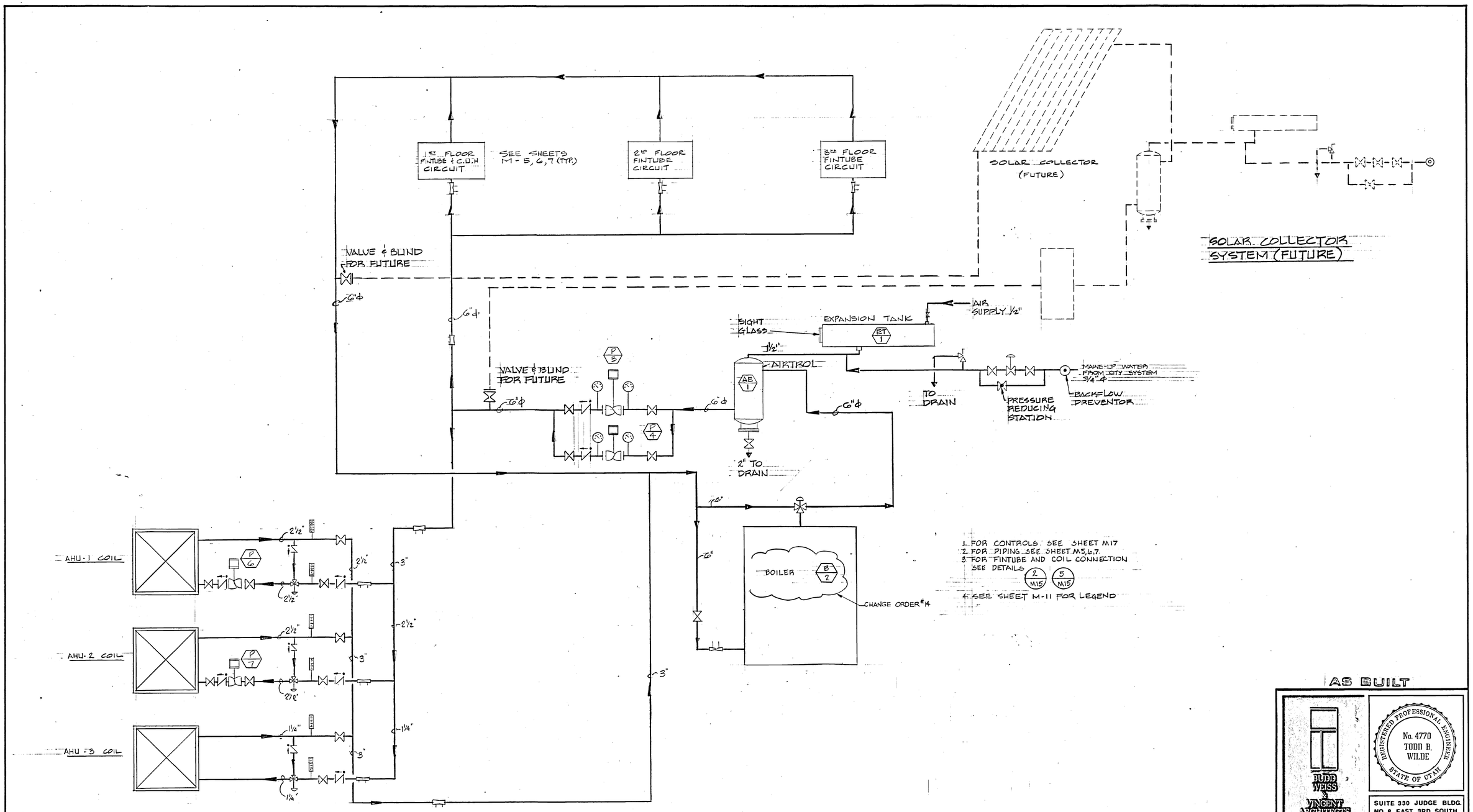
MECHANICAL ROOM SECTION

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA 77-069

DATE 4-5-79	SHEET M9
FILE NO. 214	
DRAWN BY: W. JXJ.	
CHECKED BY: B.L.W.	SHEET 67 OF 103 SHEETS

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

00005RM9
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Mechanical Room Section - 24296



HOT WATER FLOW DIAGRAM

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

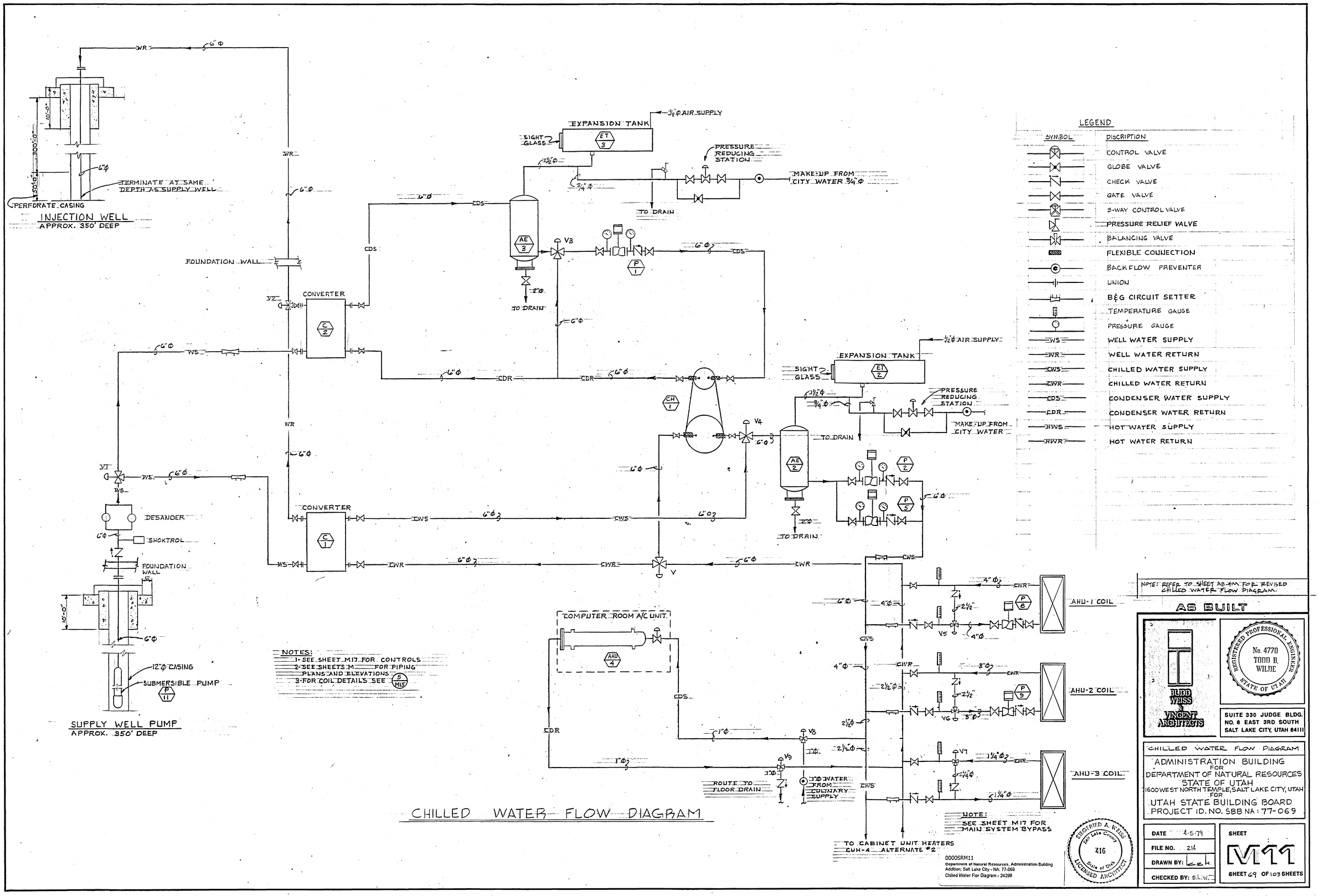
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

HOT WATER FLOW DIAGRAM
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA: 77-069

DATE 4-5-79	SHEET M10
FILE NO. 214	
DRAWN BY: L.R.H.	
CHECKED BY: S.L.W.	SHEET 68 OF 103 SHEETS

SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

00005RM10
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Hot Water Floor Diagram - 24297


INJECTION WELL
APPROX. 350' DEEP
PERFORATE CASING
TERMINATE AT SAME DEPTH AS SUPPLY WELL
SUPPLY WELL PUMP
APPROX. 350' DEEP
12"Φ CASING
SUBMERSIBLE PUMP
DESANDER
SHOKTROL
FOUNDATION WALL
CONVERTER
EXPANSION TANK
SIGHT GLASS
½"Φ AIR SUPPLY
PRESSURE REDUCING STATION
MAKE-UP FROM CITY WATER ¾"Φ
TO DRAIN
COMPUTER ROOM A/C UNIT
ROUTE TO FLOOR DRAIN
1"Φ WATER FROM CULINARY SUPPLY
AHU-1 COIL
AHU-2 COIL
AHU-3 COIL
TO CABINET UNIT HEATERS CUH-4 ALTERNATE #2
NOTE: SEE SHEET M17 FOR MAIN SYSTEM BYPASS
NOTES:
1-SEE SHEET M17 FOR CONTROLS
2-SEE SHEETS M FOR PIPING PLANS AND ELEVATIONS
3-FOR COIL DETAILS SEE 5/M15
LEGEND
SYMBOL
DISCRIPTION
CONTROL VALVE
GLOBE VALVE
CHECK VALVE
GATE VALVE
3-WAY CONTROL VALVE
PRESSURE RELIEF VALVE
BALANCING VALVE
FLEXIBLE CONNECTION
BACKFLOW PREVENTER
UNION
B&G CIRCUIT SETTER
TEMPERATURE GAUGE
PRESSURE GAUGE
WS WELL WATER SUPPLY
WR WELL WATER RETURN
CWS CHILLED WATER SUPPLY
CWR CHILLED WATER RETURN
CDS CONDENSER WATER SUPPLY
CDR CONDENSER WATER RETURN
HWS HOT WATER SUPPLY
HWR HOT WATER RETURN
NOTE: REFER TO SHEET AB-4M FOR REVISED CHILLED WATER FLOW DIAGRAM.
AS BUILT
BUDD WEISS & VINCENT ARCHITECTS
REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH
SUITE 330 JUDGE BLDG. NO. 8 EAST 3RD SOUTH SALT LAKE CITY, UTAH 84111
CHILLED WATER FLOW DIAGRAM
ADMINISTRATION BUILDING FOR DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH FOR UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA: 77-069
DATE 4-5-79
FILE NO. 214
DRAWN BY: L.E.H.
CHECKED BY: S.L.W.
SHEET M11
SHEET 49 OF 103 SHEETS
CHILLED WATER FLOW DIAGRAM
0000SRM11
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Chilled Water Flor Diagram - 24298
CERTIFIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

AIR HANDLING UNIT SCHEDULE

	Unit No.	④ C.F.M.	Ext. S.P.	Max. O.V.	FAN MOTOR H.P.	Volts	Phase	Cycle	HEATING COIL CAPACITY Min. Coil Face Area	Air Ent.° F	Air Lv.° F	MBH	G.P.M.	Maximum Water P.D.	Water Enters	Water Leaves	COOLING COIL CAPACITY Min. Coil Face Area	Air Ent.° FDB-°FWB	Air Lvs.° FDB-°FWB	MBH	G.P.M.	Maximum Water P.D.	Water Enters	Water Leaves	Max. Air Vel. Thru Filter
①	AHU 1	45980	5"		60	480	3	60	72.5	3	60.5	486.6	51	1.1	105	85.9	72.5	84-64	50-49.9	1758	174.2	7.2	40	60.1	
②	AHU 2	25235	4"		30	480	3	60	49.5	3	70.5	486.4	66	2.0	105	90.2	49.5	84-64	50-49.9	972	90.7	3.6	40	61.4	
③	AHU 3	22088	3"		2	480	3	60	5.6	3	75.9	67.0	10.5	0.2	105	92.2	5.6	84-64	50-49.9	84.3	12.4	0.5	40	53.5	

① UNITS SIZE BASED ON TRANE MODEL 73, C/W COMBINATION FILTER MIXING BOX, 6 ROW SERIES 18 TYPE W COOLING COIL & 2 ROW SERIES 10 TYPE W HEATING COIL

② UNITS SIZE BASED ON TRANE MODEL 50, C/W COMBINATION FILTER MIXING BOX, 6 ROW SERIES 18 TYPE W COOLING COIL & 2 ROW SERIES 12 TYPE W HEATING COIL

③ UNITS SIZE BASED ON TRANE MODEL 6, C/W COMBINATION FILTER MIXING BOX, 6 ROW SERIES 16 TYPE W COOLING COIL & 2 ROW SERIES 16 TYPE W HEATING COIL

④ ACTUAL CFM

FIN TUBE RADIATION SCHEDULE

SYM	BTU/HR	GPM	WATER ENTERS	WATER LEAVES	HEATING ELEMENT TUBE	FINS	ACTIVE FINS LGTH	ROWS	ENCLOSURE D	H	RUNOUT SIZES	VALVE SIZES	REMARKS
BB 1	1560	.31	180	170	1¼" STEEL	40	1'-0"	2	6"	20	①	①	TYPE S CABINET
BB 2	950	.19	"	"	"	"	1'-0"	1	"	"	①	①	"
BB 3	1425	.29	"	"	"	"	1'-6"	1	"	"	①	①	"
BB 4	1900	.38	"	"	"	"	2'-0"	1	"	"	①	①	"
BB 5	2375	.48	"	"	"	"	2'-6"	1	"	"	①	①	"
BB 6	2850	.57	"	"	"	"	3'-0"	1	"	"	①	①	"
BB 7	4750	.95	"	"	"	"	5'-0"	1	"	"	①	①	"
BB 8	9500	1.90	"	"	"	"	10'-0"	1	"	"	①	①	"
BB 9	11400	2.28	"	"	"	"	12'-0"	1	"	"	①	①	"
BB 10	4680	.94	"	"	"	"	3'-0"	2	"	"	①	①	"
BB 11	15,600	3.12	"	"	"	"	10'-0"	2	"	"	①	①	"
BB 12	3120	.62	"	"	"	"	2'-0"	2	"	"	①	①	"

① FOR RUNOUT & VALVE SIZES SEE SHEET M-7

EXHAUST FAN SCHEDULE

Symbol	No. Req'd	Lbs. W.T.	Location	C.F.M.	Total S.P.	R.P.M.	Motor	Sones	Roof or Wall Opening	Make And Model No.	Comments
EF 1	1	285	ROOF ABOVE REST ROOMS	2250	.375	400	¾ HP 480/3/60	7.3	42 x 42	JENN AIR 302 BCR	C/W ROOF CURB BACKDRAFT DMPR BIRD SCREEN
EF 2	1	70	ROOF ABOVE ROOM 356	450	.250	690	1/6 HP 120/1/60	4.0	20 x 20	JENN AIR 142 BCR	C/W ROOF CURB BACKDRAFT DAMPER & BIRD SCREEN

PUMP SCHEDULE

SYMB	NO REQD	TYPE	GPM	HP	FT HD	RPM	MOTOR	MAKE & MODEL NO	COMMENTS
P 1	1	INLINE	403	10	90	1750	480/3/60	AURORA SERIES 360 3x4x12	CONDENSER WATER
P 2	1	INLINE	340	15	160	1750	480/3/60	AURORA SERIES 360 3x4x12	CHILLED WATER
P 3	1	INLINE	367	10	85'	1750	480/3/60	AURORA SERIES 360 3x4x12	SPACE HEATING WATER
P 4	1	INLINE	367	10	85'	1750	480/3/60	AURORA SERIES 360 3x4x12	SPACE HEATING BACK-UP
P 5	1	INLINE	340	15	160	1750	480/3/60	AURORA SERIES 360 3x4x12	CONDENSER/CHILLED BACK-UP
P 6	1	INLINE	60	1/4	9'	1750	120/1/60	B&G LD-3 BOOSTER	AHU-1 HW COIL CIRCULATOR
P 7	1	INLINE	70	1/4	9'	1750	120/1/60	B&G LD-3 BOOSTER	AHU-2 HW COIL CIRCULATOR
P 8	1	INLINE	175	2	25'	1750	480/3/60	B&G SERIES 60 3x3x7	AHU-1 CW COIL CIRCULATOR
P 9	1	INLINE	90	3/4	25'	1750	480/3/60	B&G PD-97 BOOSTER	AHU-2 CW COIL CIRCULATOR
P 10	1	SUMP	35	1/3	20'	1750	120/3/60	WEIL SERIES 1400	ELEVATOR PIT SUMP

CABINET UNIT HEATER SCHEDULE

SYMBOL	C.F.M.	MOTOR H.P.	MAX WATTS	HEATING COOLING CAPACITY Gpm.	Max. Pd.	Heating Cap'y	Water Enters	Water Leaves	RUNOUTS & VALVE SIZES Cooling	Heating
① CUH 1	300	1/60	85	0.5	0.08	12,000 BTU	180°F	170°F	—	④
② CUH 2	220	1/60	95	0.5	0.07	6,000 BTU	180°F	170°F	—	④
③ CUH 3	220	1/60	95	0.5	0.07	6,000 BTU	180°F	170°F	—	④

① BASED ON TRANE MODEL E46A003

② BASED ON TRANE MODEL E46A002

③ BASED ON TRANE MODEL E46A002

④ FOR SIZES SEE SHEET M-7

LOUVER SCHEDULE

Symbol	Size	Height	Type	Location	Make And Model No.	Comments
L-1	7'x2'		F.A. INTAKE LOUVERS	MECH. ROOM	TITUS OXL-01	C/W BIRD SCREEN
L-2	22'x3'		"	SOFFIT @ MECH ROOM	"	"
L-3	22'x3'		"	SOFFIT @ ROOM	"	"
PH-1	22'x11'	42"	BUILDING RELIEF	ROOF ABOVE R.A. CHASE	LOUVERS & DAMPERS LPI-314-MC	*
L-4			ELEVATOR RELIEF	ELEVATOR PENTHOUSE	TITUS OXL-01	C/W BIRD SCREEN SEE ARCH. FOR LOCATION
	160x36"	42"	BUILDING RELIEF	ROOF ABOVE R.A. CHASE	LOUVERS & DAMPERS LPI-314-MC	*

* C/W. BIRD SCREEN DAMPER IN THROAT BY TEMP. CONTROL

BOILER SCHEDULE

UNIT Nº	TYPE	CAPACITY BTU	Nº OF PASS	HEAT SURF SQ.FT.	WTR TEMP IN	OUT	OPERATION CONDITION	ELECTRICAL DATA KW	VOLTS	PHASE	CYCLE	TYP UNIT O.P.	TYPICAL UNIT MANUFACTURER AND MODEL NUMBER
B 1	ELEC	2,047,000	—	—	170	180	—	600	480	3	60	160	HSI RESISTO-FLO HWR-2472
B 2	GAS	*											

* 8,250,000 BTUH INPUT / 2,600,000 BTUH OUTPUT — CHANGE ORDER # 14

DIFFUSER SCHEDULE

Symbol	Size	Blow	Type	Location	Make And Model No.
SD-1	4'-0"	2 WAY 2 SLOT	SLOT DIFFUSER CEILING MOUNTED		BARBER COLEMAN MODEL HSP
SD-2	4'-0"	1 WAY 2 SLOT	"		" "
SD-3	2'-0"	2 WAY 2 SLOT	"		" "
SD-4	2'-0"	1 WAY 2 SLOT	"		" "
SD-5	4'-0"	2 WAY 2 SLOT	"	AUDITORIUM	" "

CHILLER SCHEDULE ③

	UNIT NO.	TONS	CHILLER DATA GPM	TEMP °F in	out	PD IN FEET	Nº OF PASS	CONDENSER DATA ④ GPM	TEMP °F in	out	PD IN FEET	Nº OF PASS	ELECTRICAL DATA INPUT KW	RPM	VOLTS PHASE	FLA	LRA	MANUFACTURE AND MODEL NUMBER
①	CH 1	140	336	50°	40°	15.5	2	403	65	75	14.8	2	84	3600	480/3/60	138	756	TRANE CVHA-015 -B-C1-C1S
②		140	336	58	48	15.5	2	403	95	105	14.8	2	84	3600	480/3/60	138	756	

① SUMMER OPERATION

② WINTER OPERATION

③ THIS SIZE BASED ON INSTALLATION OF BRONZE DOUBLE GLAZED GLASS.

④ TO PRODUCE 1,575,000 BTUH OF HEATING WATER IN WINTER

CONTROL VALVES

LINE SIZE	VALVE SIZE	CV
8	6	180
6	5	125
4	3	83
3	2½	51
2½	2	26
1¼	1	3.5
¾	½	2.0
½	½	7.2

AS BUILT

SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

BLIDE WEISS & VINCENT ARCHITECTS

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

MECHANICAL SCHEDULES

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB NA: 77-069

DATE 4-5-79	SHEET M-12
FILE NO. 214	
DRAWN BY: T.W.	
CHECKED BY: S.L.W.	SHEET 70 OF 103 SHEETS

0000SRM12
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Mechanical Schedules - 24299

VAV BOX SCHEDULE

SYMBOL	CFM MAX	CFM MIN	INLET S.P.	N.C.	ORIFICE	MAKE & MODEL	COMMENTS
VAV 1	420	70	0.92	28	5.0	BARBER COLEMAN MODEL HSP	
VAV 2	365	60	0.92	33	4.5	"	
VAV 3	2005	330	3.66	31	11.5	"	
VAV 4	1195	200	1.18	32	0	"	
VAV 5	1235	365	0.78	34	0	"	
VAV 6	2040	610	0.74	33	0	"	
VAV 7	985	160	0.71	30	7.5	"	
VAV 8	1760	290	0.58	30	10.5	"	
VAV 9	580	170	0.85	32	0.0	"	
VAV 10	480	90	0.59	32	4.5	"	
VAV 11	1300	210	0.74	33	9.0	"	
VAV 12	560	170	0.87	32	0	"	
VAV 13	660	200	0.72	32	6.5	"	
VAV 14	1380	225	0.90	34	0	"	
VAV 15	760	320	0.92	33	0	"	
VAV 16	1335	220	0.85	34	9.0	"	
VAV 17	975	160	0.91	31	7.5	"	
VAV 18	2650	440	1.00	34	0	"	
VAV 19	620	100	0.59	29	6.0	"	
VAV 20	1575	260	0.97	34	0	"	
VAV 21	425	120	0.65	29	5.5	"	
VAV 22	800	240	0.74	33	0	"	
VAV 23	1455	240	1.00	33	0	"	
VAV 24	1240	370	0.75	24	0	"	
VAV 25	1030	170	0.79	30	0	"	
VAV 26	530	85	0.79	30	0	"	
VAV 27	1555	250	0.97	34	0	"	
VAV 28	595	175	0.74	32	0	"	
VAV 29	360	110	0.87	34	0	"	
VAV 30	1845	330	0.65	33	0	"	
VAV 31	1600	260	0.92	34	0	"	
VAV 32	1415	280	0.79	33	0	"	
VAV 33	1060	170	0.75	30	0	"	
VAV 34	1590	475	0.89	35	0	"	

VAV BOX SCHEDULE

SYMBOL	CFM MAX	CFM MIN	INLET S.P.	N.C.	ORIFICE	MAKE & MODEL	COMMENTS
VAV 35	755	240	0.79	32	0	BARBER COLEMAN MODEL HSP	
VAV 36	820	245	0.81	36	0	"	
VAV 37	830	245	0.83	30	0	"	
VAV 38	1335	210	0.86	32	0	"	
VAV 39	1765	290	0.79	30	0	"	
VAV 40	785	125	0.74	31	0	"	
VAV 41	780	125	0.67	31	0	"	
VAV 42	1685	310	0.57	30	0	"	
VAV 43	480	140	0.67	30	5.5	"	
VAV 44	1465	245	0.82	33	0	"	
VAV 45	620	185	0.58	31	6.0	"	
VAV 46	705	205	0.76	31	0	"	
VAV 47	595	175	0.82	32	0	"	
VAV 48	850	252	0.86	30	0	"	
VAV 49	1395	250	0.77	33	0	"	
VAV 50	630	100	0.64	29	0	"	
VAV 51	1860	325	0.61	30	0	"	
VAV 52	360	105	0.65	34	4.5	"	
VAV 53	845	250	0.72	31	7.5	"	
VAV 54	1655	270	0.51	30	10.5	"	
VAV 55	2035	330	0.64	31	0	"	
VAV 56	1020	305	1.62	32	0	"	
VAV 57	1005	165	0.82	29	0	"	
VAV 58	1030	305	0.89	32	0	"	
VAV 59	1070	315	0.91	35	0	"	
VAV 60	1040	320	0.95	31	0	"	
VAV 61	1045	305	0.84	31	0	"	
VAV 62	1740	280	0.66	29	0	"	
VAV 63	1660	270	0.47	29	0	"	
VAV 64	755	120	0.83	31	10.5	"	

REGISTER AND GRILLE SCHEDULE

Symbol	Size	No. Req'd	Type	Location	Make And Model No.
RG-1	24 x 24		RETURN AIR GRILLE		TITUS 23 RL
TG-1	18 x 12		TRANSFER GRILLE		TITUS 23 RL
TG-2	16 x 12		DO		DO
TG-3	8 x 8		DO		DO
TG-4	12 x 12		TRANSFER GRILLE		DO
EG-1	14 x 14		EXHAUST GRILLE		DO
EG-2	12 x 12		DO		DO
EG-3	8 x 6		EXHAUST GRILLE		TITUS 23 RL
EG-4	12 X 12		EXHAUST GRILLE	ROOM 356	DO
SG-1	18 X 6		SUPPLY GRILLE		TITUS 2TIFL5

ET 1 — EXPANSION TANK HOT WATER: 30"x60", 163 gal capacity, ASME rated, c/w gauge glass, and B&G ATFL-1 airtrol tank fitting, 125 psi 375° F. working pressure and temperature B&G #163.

ET 2 — EXPANSION TANK CHILLED WATER: 13"x61½", 30 gal capacity, ASME rated, c/w gauge glass and B&G ATF-12 airtrol tank fitting, 125 psi 375° F. working pressure and temperature B&G #30.

ET 3 — EXPANSION TANK CONDENSER WATER: Same as ET-2.

AE 1 — AIR SEPARATOR HOT WATER: 370 GPM capacity, flanged inlet and outlet connections 5", strainer free area 140 square inch, B&G Rolairtrol R-5.

AE 2 — AIR SEPARATOR CHILLED WATER: 336 GPM capacity, flanged inlet and outlet connections 5", strainer free area 140 square inch, B&G Rolairtrol R-5.

AE 3 — AIR SEPARATOR CONDENSER WATER: Same as AE-2.

CUH 4 — CABINET UNIT HEATER/COOLER ALTERNATE NO.2: 320 CFM cooling capacity; 1.2 GPM, 4.1 ft. water P.D., 6.2 MBH cooling, 40° EWT, 80° EDB, 67° EWB, heating capacity .50 GPM, .08 ft. water PD, 14.9 MBH heating 60° EAT, 180° EWT Trane model E36.

AHU 4 — COMPUTER ROOM AIR CONDITIONER: 67,000 BTU cooling at 75° EBD 62.5 WB, 2600 CFM, Hermetic Comp R-22 Refrig, 6.9 sq. ft. free area evap coil, 56,900 BTUH heating, 15.0 KW, 2 stage, 8.0 lbs/hr humidifier 2.5 KW stainless steel element, 2-24x18x1 disposable filters NBS EFF rating atmos. dust spot 255, 1 tube/tube cleanable copper tube steel shell condenser ASME rated 400 psi 350° F. working temp. and pressure refrig. pump down cap. 3 lbs. condenser water 6 GPM @ 65° EWT spring loaded safety valve ASME type UV 350 psi 3/8" flare outlet head pressure controlled water reg. valve one way flow size 1" c/w complete control package Liebert Model CU70W.

P 11 — WELL WATER PUMP: 5-stage submersible type well pump, 450 ft. of head, 400 GPM, 60 hp complete with panel and quick trip over, Valley Industries Incorporated, Model 8MMD.

C 1 — WELL WATER/CHILLED WATER CONVERTER: Plate type heat exchanger, 261 sq. ft. of heating surface, approximately 1'-4" wide, 4'-4" high, 1'-6" long. Approximately 91 plates/single pass., 15 psi pressure drop.

C 2 — WELL WATER/CONDENSER CONVERTER: Plate type heat exchanger, same as C-1 except 255 sq. ft. heating surface, same size, approximately 76 plates/single pass. 15 psi pressure drop.

RETURN AIR FAN SCHEDULE

Symbol	No. Req'd	Lbs. W.T.	Location	C.F.M.	Total S.P.	R.P.M.	Motor		Make And Model No.	Comments
UF 1	1	—	MECHANICAL ROOM	45980	2.0	1222	480/3/60 60 HP		TRANE MODEL 73	SECTION FAN ONLY
UF 1	1	—	MECHANICAL ROOM	25235	2.0	1167	480/3/60 30 HP		TRANE MODEL 50	DO

0000SRM13
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Mechanical Schedules - 24300

SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

MECHANICAL SCHEDULES

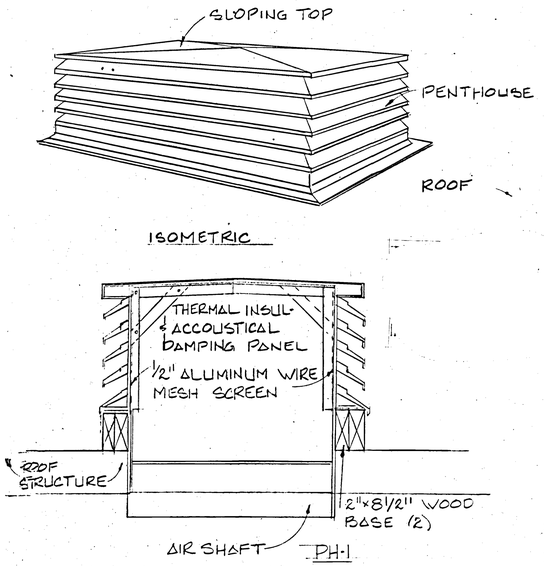
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH

UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA:77-069

DATE	4-5-79
FILE NO.	214
DRAWN BY:	T.W.
CHECKED BY:	S.L.W.

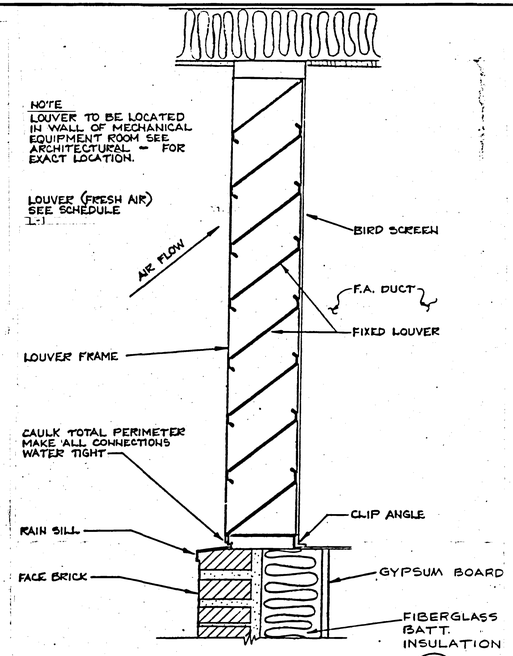
SHEET M13

SHEET 71 OF 103 SHEETS

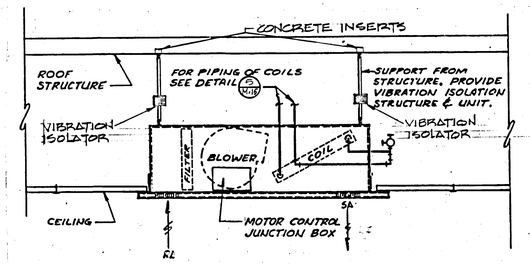


NOTE:
1. ALL ALUMINUM CONSTRUCTION.
2. MAXIMUM VELOCITY NOT TO EXCEED 400 FPM
3. STATIC PRESSURE NOT TO EXCEED 0.03

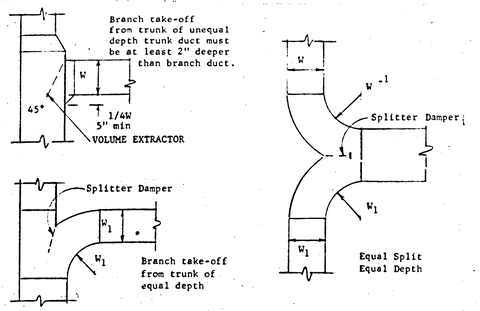
RELIEF AIR PENTHOUSE DETAIL (9 / M-14)
NO SCALE

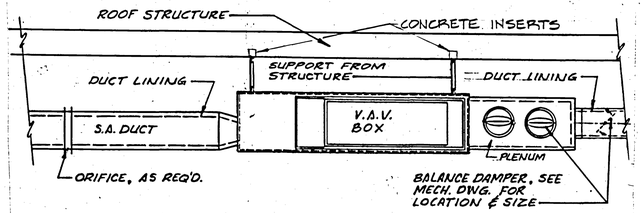


FRESH AIR LOUVER DETAIL (6 / M-14)
NO SCALE

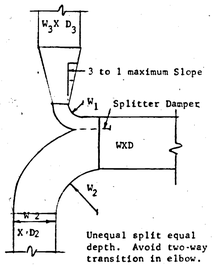


CEILING CABINET UNIT HEATER MOUNTING DETAIL (3 / M-17)
NO SCALE

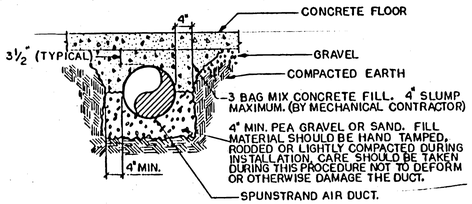




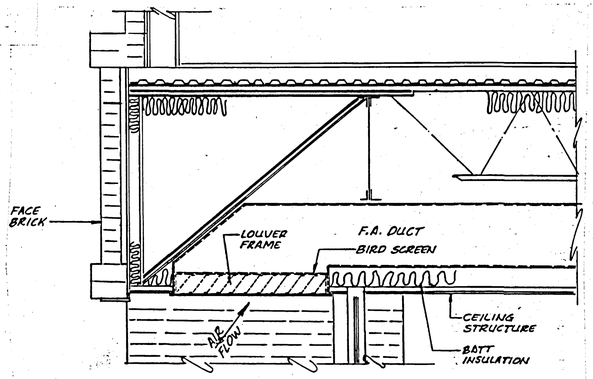
V.A.V. BOX MOUNTING DETAIL (4 / M-14)
NO SCALE



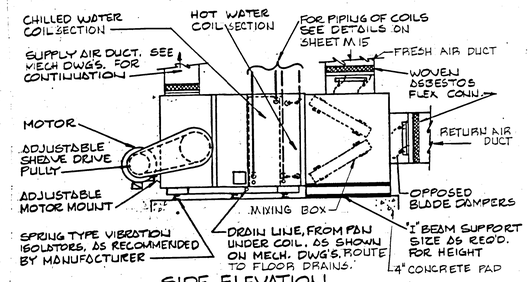
LOW VELOCITY DUCT DETAILS (1 / M-14)
NO SCALE



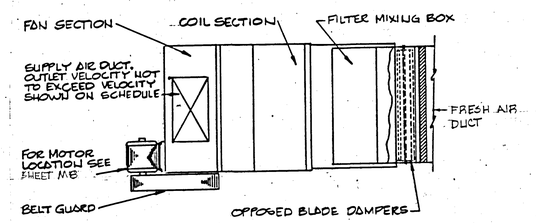
UNDERFLOOR DUCT DETAIL (10 / M-14)



FRESH AIR LOUVER DETAIL (7 / M-14)
NO SCALE

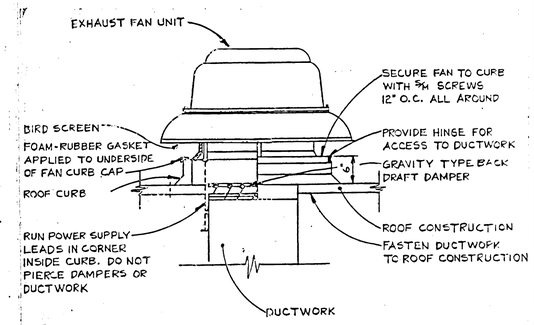


SIDE ELEVATION

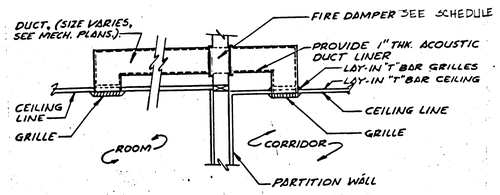


PLAN VIEW

AIR HANDLING UNITS INSTALLATION DET: (5 / M-14)
NO SCALE



EXHAUST FAN DETAIL (2 / M-14)
NO SCALE



TRANSFER GRILLE DET: (8 / M-14)
NO SCALE

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

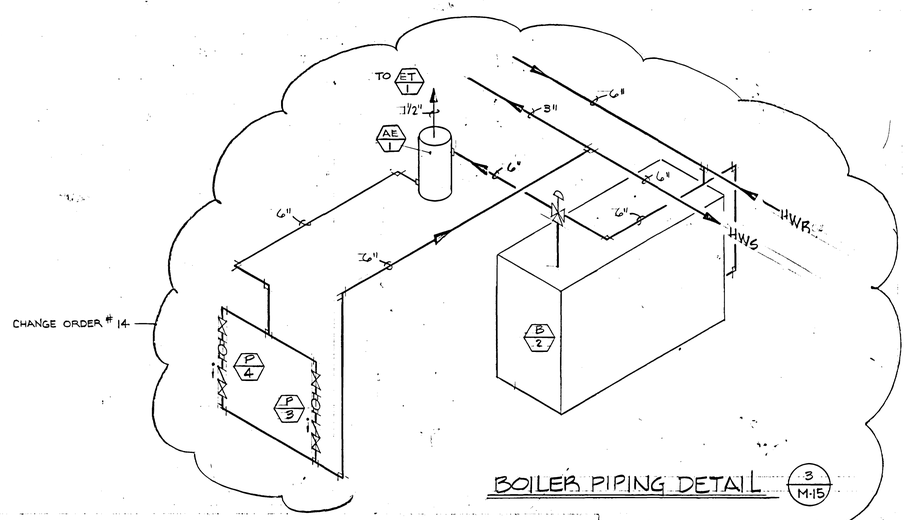
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

MECHANICAL DETAIL SHEET
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE, CITY, UTAH
FOR
UTAH STATE BLDG. BD. PROJECT # 588-NA'77-069

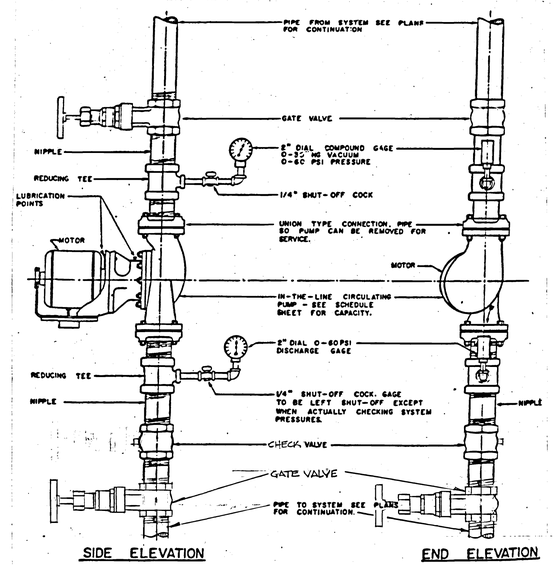
SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

DATE 4-5-79	SHEET M14
FILE NO. 214	
DRAWN BY: W. JXN.	
CHECKED BY: S.L.W.	72 OF 103 SHEETS

0000SRM14
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Mechanical Deatil Sheet - 24301

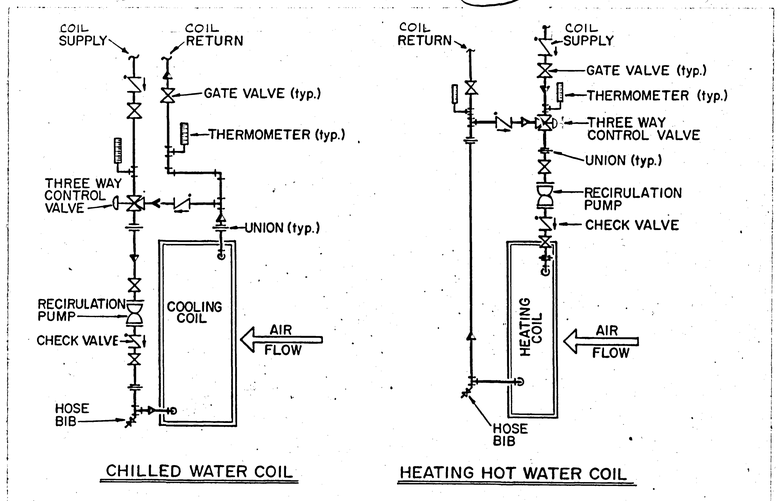


BOILER PIPING DETAIL 3 / M-15



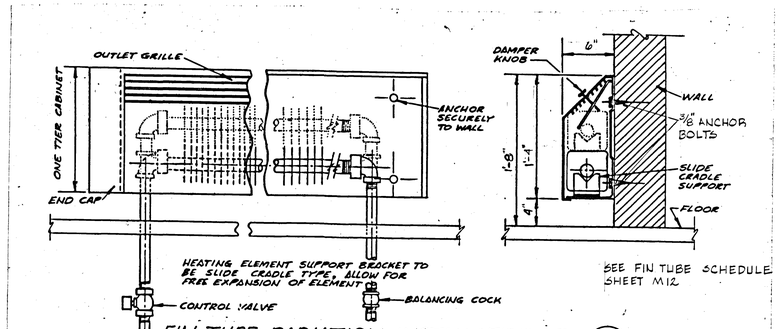
PUMP INSTALLATION DETAIL 1 / M-15

NTS



COIL PIPING DETAILS 5 / M-15

NO SCALE



FIN-TUBE RADIATION INSTALLATION DET. 2 / M-15

NOT TO SCALE:

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

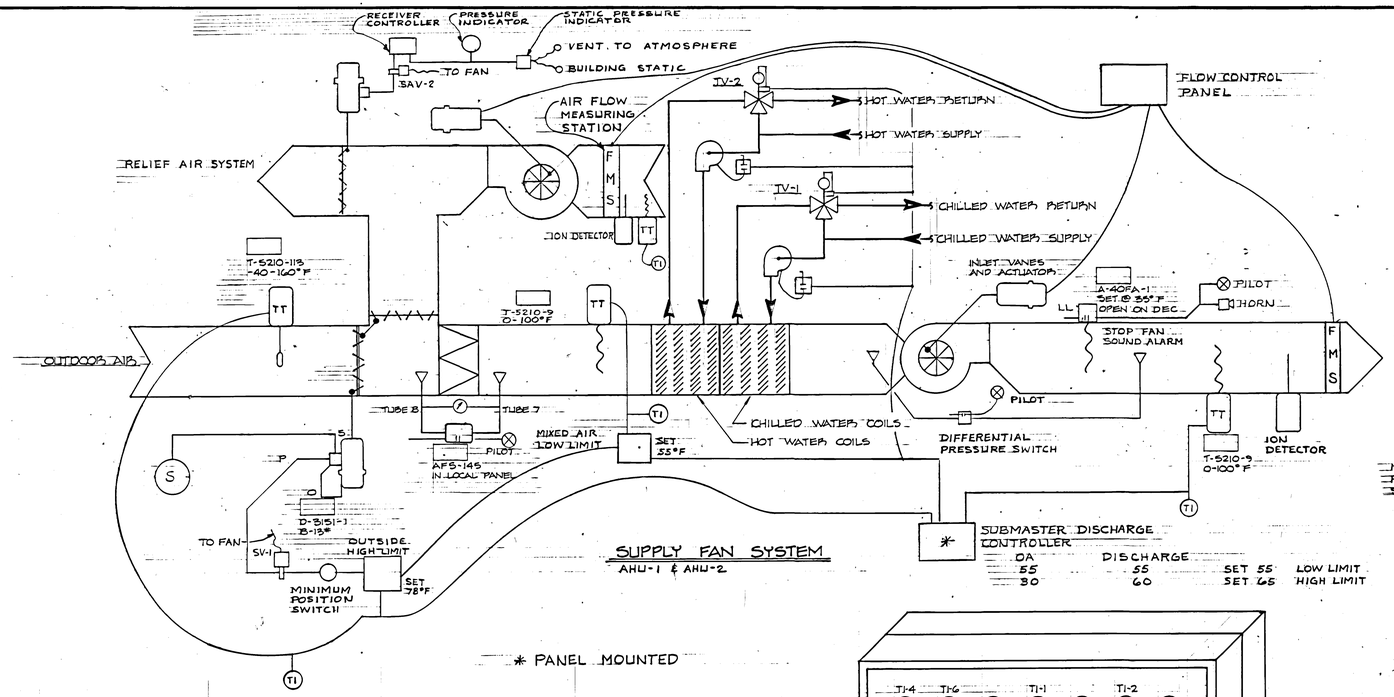
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

MECHANICAL DETAIL SHEET
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BLDG BD PROJECT # SBB-NA:77-069

DATE 4-5-79	SHEET M15
FILE NO. 214	
DRAWN BY: T.W.	
CHECKED BY: S.L.W.	73 OF 103 SHEETS

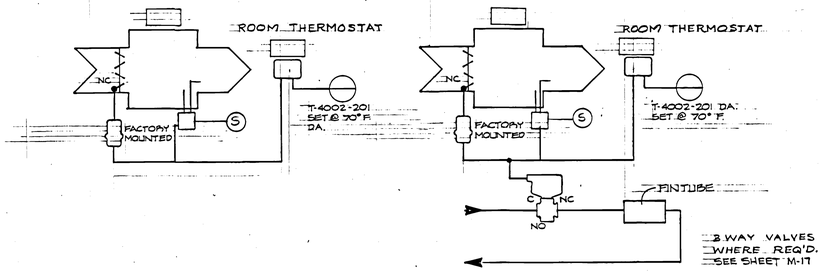
SIEGFRIED L. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

00000SRM15
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Mechanical Detail Sheet - 24302



SUPPLY FAN SYSTEM
AHU-1 & AHU-2

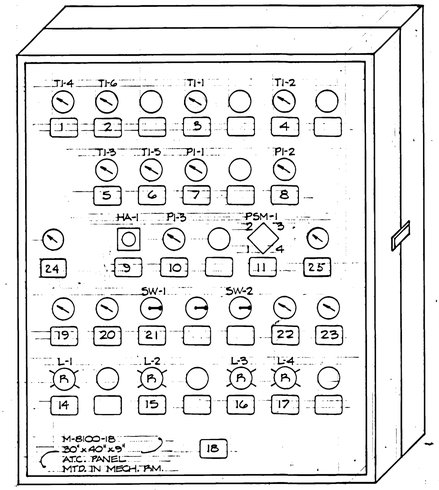
* PANEL MOUNTED



VAV. BOX CONTROL
(INTERIOR ZONE NO HEAT)

VAV. BOX CONTROL
(EXTERIOR ZONE WITH HEAT)

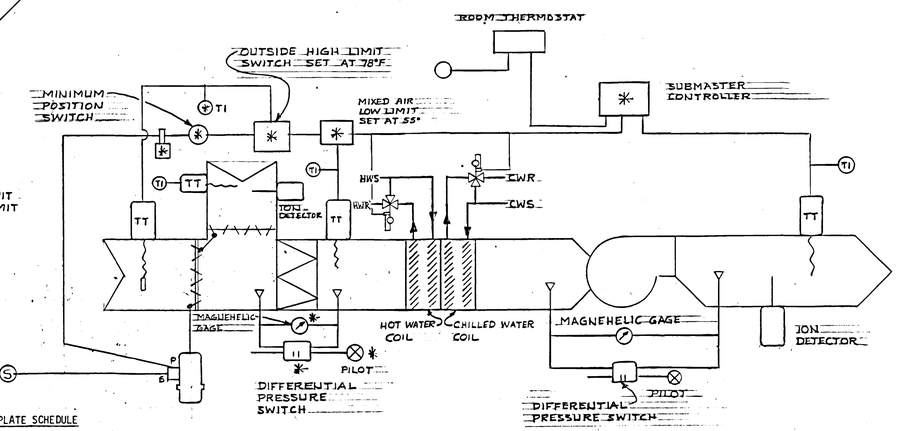
VAV. BOX CONTROL



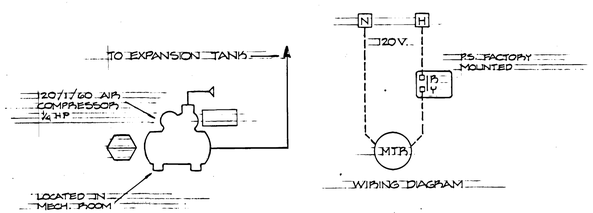
A.T.C. CONTROL PANEL

NAMEPLATE SCHEDULE

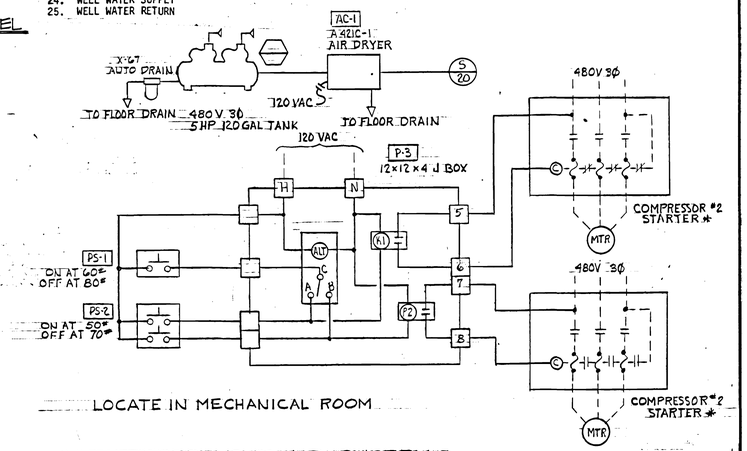
1. OUTSIDE AIR TEMP. #1 #2
2. RETURN AIR TEMP. #1 #2
3. MIXED AIR TEMP. #1 #2
4. DISCHARGE AIR TEMP. #1 #2
5. HOT WATER SUPPLY TEMP.
6. HOT WATER RETURN TEMP.
7. DUCT STATIC PRESSURE #1 #2
8. BUILDING STATIC PRESSURE
9. ALARM HORN
10. FILTER STATIC PRESSURE #1 #2
11. COOLING "ON-OFF-AUTO"
12. "HAND-OFF-AUTO" EXHAUST FAN EF1 (INTERLOCK W/FAN AHU-1 IN CENTER POSITION)
14. FAN OFF LOW LIMIT #1 #2
15. NO AIR FLOW #1 #2
16. EXHAUST FAN "OFF"
17. DIRTY FILTER #1 #2
18. ATC PANEL
19. CHWS
20. CHWR
21. "HAND-OFF-AUTO" FAN SYSTEM AHU-1, 2, 3
22. CWS
23. CWR
24. WELL WATER SUPPLY
25. WELL WATER RETURN



SUPPLY FAN SYSTEM
AHU-3 ONLY



EXPANSION TANK AIR COMPRESSION SYSTEM



LOCATE IN MECHANICAL ROOM

INSTRUMENT AIR SYSTEM
WITH COMPRESSOR, ALTERNATOR

00005RM16
Department of Natural Resources, Administration Building
Addition: Salt Lake City - NA: 77-069
Airside Control - 24303

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

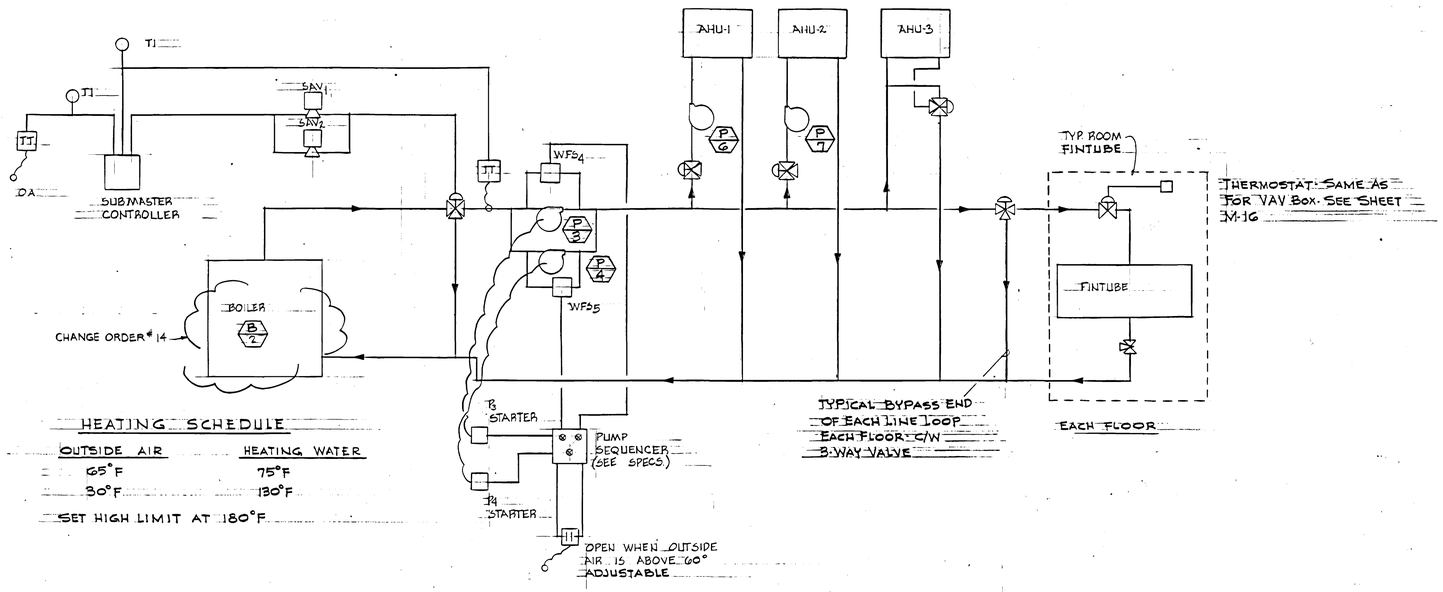
REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

AIRSIDE CONTROL

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID. NO. SBB 56:77-069

DATE 4-21-79	SHEET
FILE NO. 214	M1G
DRAWN BY: T.W.	SHEET 74 OF 103 SHEETS
CHECKED BY: S.L.W.	

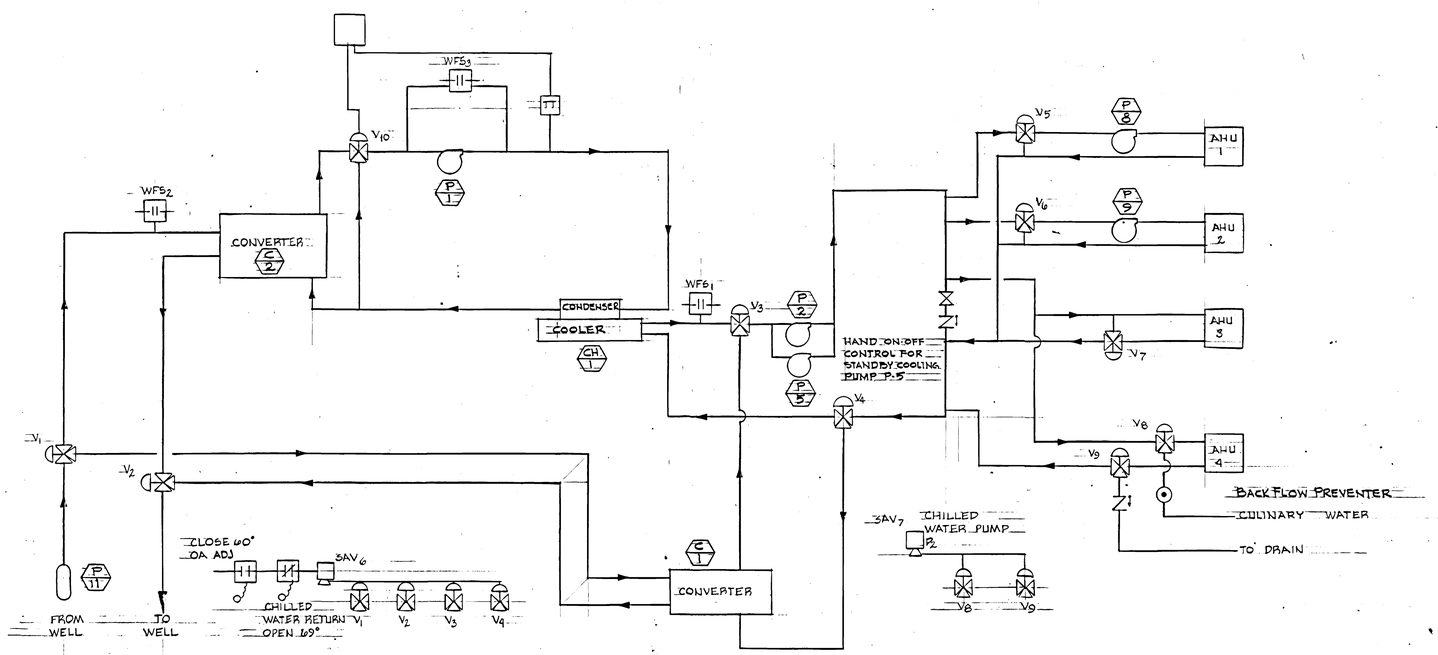


HEATING SCHEDULE

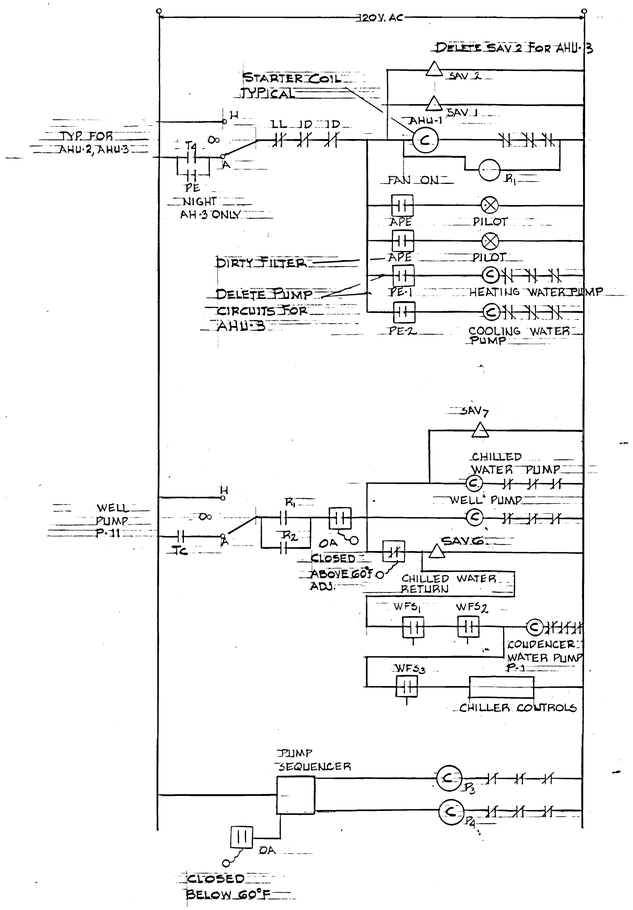
OUTSIDE AIR	HEATING WATER
65°F	75°F
30°F	130°F

SET HIGH LIMIT AT 180°F

HEATING WATER SYSTEM



CHILLED WATER SYSTEM



WIRING DIAGRAM

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ARCHITECT No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

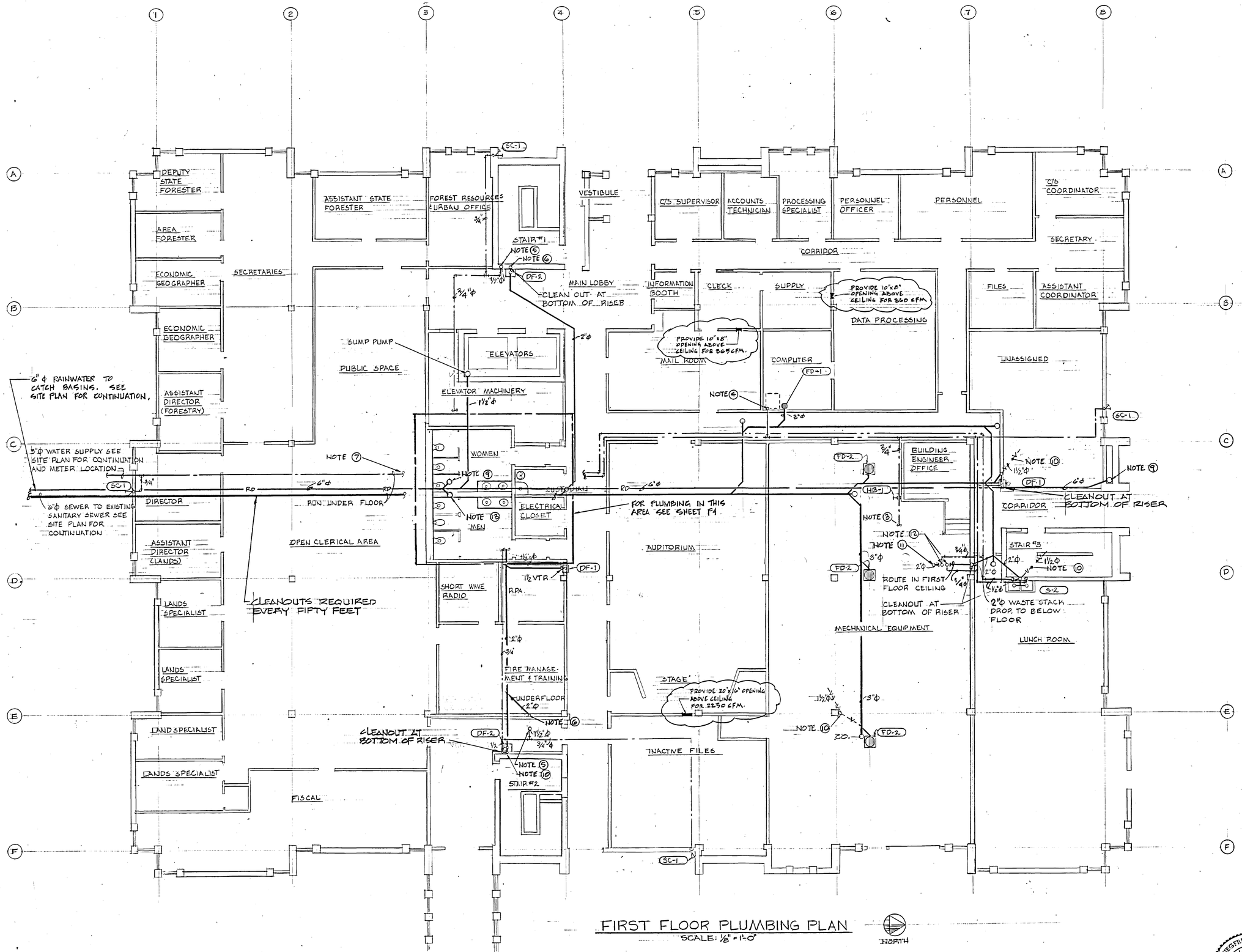
CONTROL WATER SIDE
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UT
FOR
UTAH STATE BLDG. B.D. PROJECT #SBB-NA-77-069

DATE	4-21-79
FILE NO.	214
DRAWN BY:	LGS
CHECKED BY:	S.L.W.

SHEET M17

75 OF 103 SHEETS

0000SRM17
Department of Natural Resources, Administration Building
Addition; Salt Lake City - NA-77-069
Control Water Side - 24304



FIRST FLOOR PLUMBING PLAN

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

NORTH

CONSTRUCTION NOTES

1. CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING SANITARY SEWER AND WATER METER.
2. SEE ISOMETRIC PIPING PLAN AND ENLARGED PIPING PLAN SHEET P-4 FOR LINE SIZES.
3. 3/4" COLD WATER MAKE-UP TO MECHANICAL SYSTEM. SEE MECHANICAL SHEETS FOR CONTINUATION.
4. 3/4" COLD WATER SUPPLY TO HUMIDIFIER ON COMPUTER ROOM A/C UNIT. SEE MECHANICAL FOR TIE-IN.
5. 1/2" COLD WATER RISER TO THE 2ND & 3RD FLOOR DRINKING FOUNTAINS. SEE SHEET P-2 FOR CONTINUATION.
6. 1 1/2" ϕ WASTE AND VENT STACK FOR DRINKING FOUNTAINS. SEE SHEET P-2 FOR CONTINUATION.
7. SEE SHEET P-4 FOR PLUMBING THIS AREA, AND CONTINUATION OF LINES SHOWN ON THIS PLAN.
8. ROUTE ALL WATER PIPING SHOWN ON THIS PLAN IN 1ST FLOOR CEILING SPACE. UNLESS OTHERWISE SHOWN.
9. 6" ϕ RAINWATER DOWNSPOUT. SEE SHEET P-5 FOR SOURCE.
10. 1 1/2" ϕ VENT TO 2RD FLOOR. SEE SHEET P3.
11. 2" ϕ WASTE FROM 2ND FLOOR. SEE SHEET P2.
12. 3/4" ϕ HOT WATER AND 3/4" ϕ COLD WATER SUPPLIES TO 2ND & 3RD FLOORS. SEE SHEETS P2 & P3.
13. 6" ϕ RAINWATER DOWNSPOUT DROP TO BELOW FLOOR.

AS BUILT

NOTE: THIS SHEET HAS BEEN USED TO LOCATE ADDITIONAL RETURN AIR OPENINGS NEEDED FOR AN OPERABLE SYSTEM.

LEGEND: - INDICATES ADDITIONAL OPENINGS FOR RETURN AIR. (1-22-81)

0000SRP1
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
First Floor Plumbing Plan - 24312

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

BUDD WEISS & VINCENT ARCHITECTS

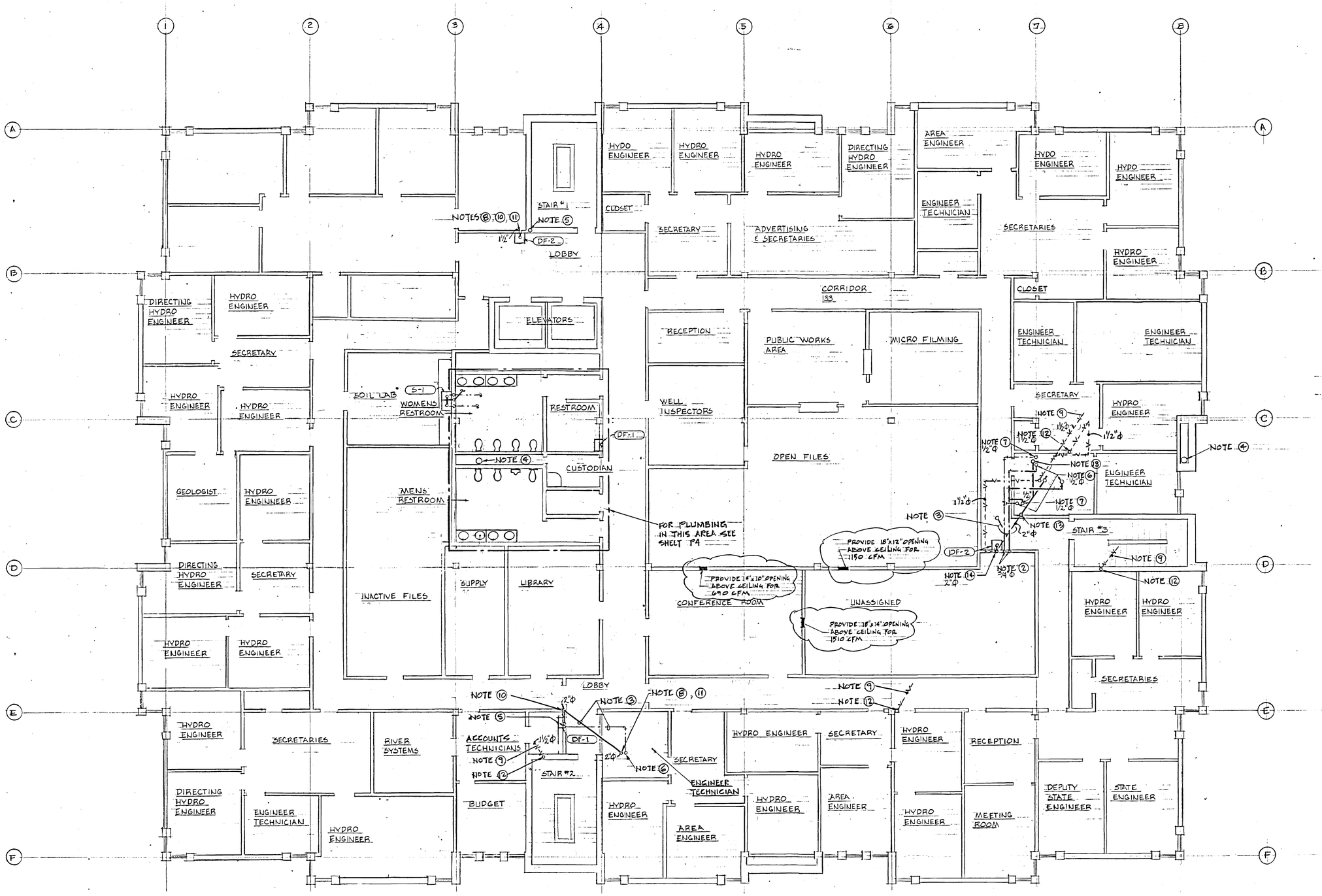
REGISTERED PROFESSIONAL ENGINEER
No. 4770
TODD B. WILDE
STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

FIRST FLOOR-PLUMBING PLAN

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UT
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA: 77-069

DATE 4-5-79	SHEET P1
FILE NO. 214	
DRAWN BY: C.A.	
CHECKED BY: S.L.W.	SHEET 82 OF 103 SHEETS



SECOND FLOOR PLUMBING PLAN

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

NORTH

CONSTRUCTION NOTES

1. SEE ISOMETRIC PIPING PLAN AND ENLARGED PIPING PLAN SHEET P5 FOR LINE SIZES.
2. ¾"Φ HOT WATER AND ¾"Φ COLD WATER RISERS FROM BELOW. SEE SHEET P1.
3. ROUTE PIPING IN 2ND FLOOR CEILING
4. 6"Φ RAINWATER DOWNSPOUT. SEE SHEET P5 FOR SOURCE.
5. ½"Φ COLD WATER RISER FROM BELOW. TO SERVE DRINKING FOUNTAINS. SEE SHEET P1.
6. ½"Φ COLD WATER RISER TO 3RD FLOOR. SEE SHEET P3.
7. ½"Φ HOT WATER RISER TO 3RD FLOOR. SEE SHEET P3.
8. WASTE FROM 3RD FLOOR SEE SHEET P3.
9. 1½"Φ VENT TO 3RD FLOOR CEILING SPACE. SEE SHEET P3.
10. WASTE TO FIRST FLOOR SEE SHEET P1.
11. VENT STACK (WET SYSTEM)
12. 1½"Φ VENT FROM 1ST FLOOR. SEE SHEET P1.
13. 2" Φ WASTE FROM 3RD FLOOR. SEE SHEET P3.
14. 2" Φ WASTE TO 1ST FLOOR. SEE SHEET P1.

AS BUILT

NOTE: THIS SHEET HAS BEEN USED TO LOCATE ADDITIONAL RETURN AIR OPENINGS NEEDED FOR AN OPERABLE "HVAC" SYSTEM.

LEGEND: — INDICATES ADDITIONAL OPENINGS FOR RETURN AIR. (1-22-81)

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

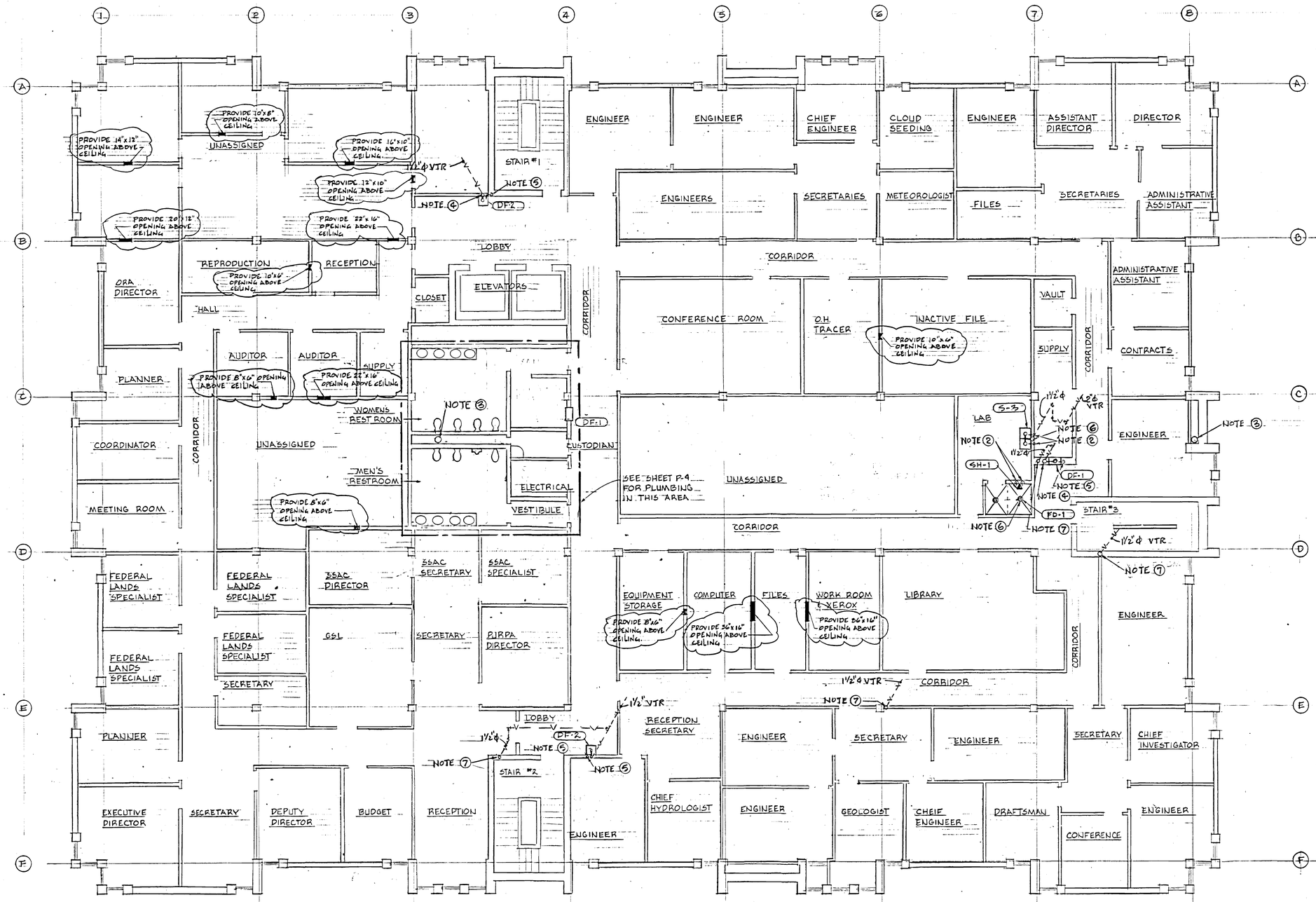
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

SECOND FLOOR PLUMBING PLAN
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA:77-069

DATE 4-3-79	SHEET P2
FILE NO. 214	
DRAWN BY: C.A.	
CHECKED BY: S.L.W.	SHEET 3 OF 103 SHEETS

SIGFRID A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

00005RP2
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Second Floor Plumbing Plan - 24313



CONSTRUCTION NOTES

1. SEE ISOMETRIC PIPING PLAN AND ENLARGED PIPING PLAN SHEET P-5 FOR LINE SIZES.
2. ½"φ HOT WATER AND ½"φ COLD WATER SUPPLIES FROM BELOW. SEE SHEET P2.
3. 6"φ RAINWATER DOWNSPOUT. SEE SHEET P5 FOR CONTINUATION.
4. 1½"φ WASTE TO 2ND FLOOR CEILING SPACE. SEE SHEET P2.
5. ½"φ COLD WATER SUPPLY FOR DRINKING FOUNTAIN. SEE SHEET P2.
6. 2"φ WASTE TO 2ND FLOOR CEILING SPACE. SEE SHEET P2
7. 1½"φ VENT FROM 2ND FLOOR. SEE SHEET P2.

AS BUILT

NOTE: THIS SHEET HAS BEEN USED TO LOCATE ADDITIONAL RETURN AIR OPENINGS NEEDED FOR AN OPERABLE 'HVAC' SYSTEM.

LEGEND:
— INDICATES ADDITIONAL OPENINGS FOR RETURN AIR. (1-22-81)

THIRD FLOOR PLUMBING PLAN

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

NORTH

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

THIRD FLOOR PLUMBING PLAN

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UT.
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA:77-069

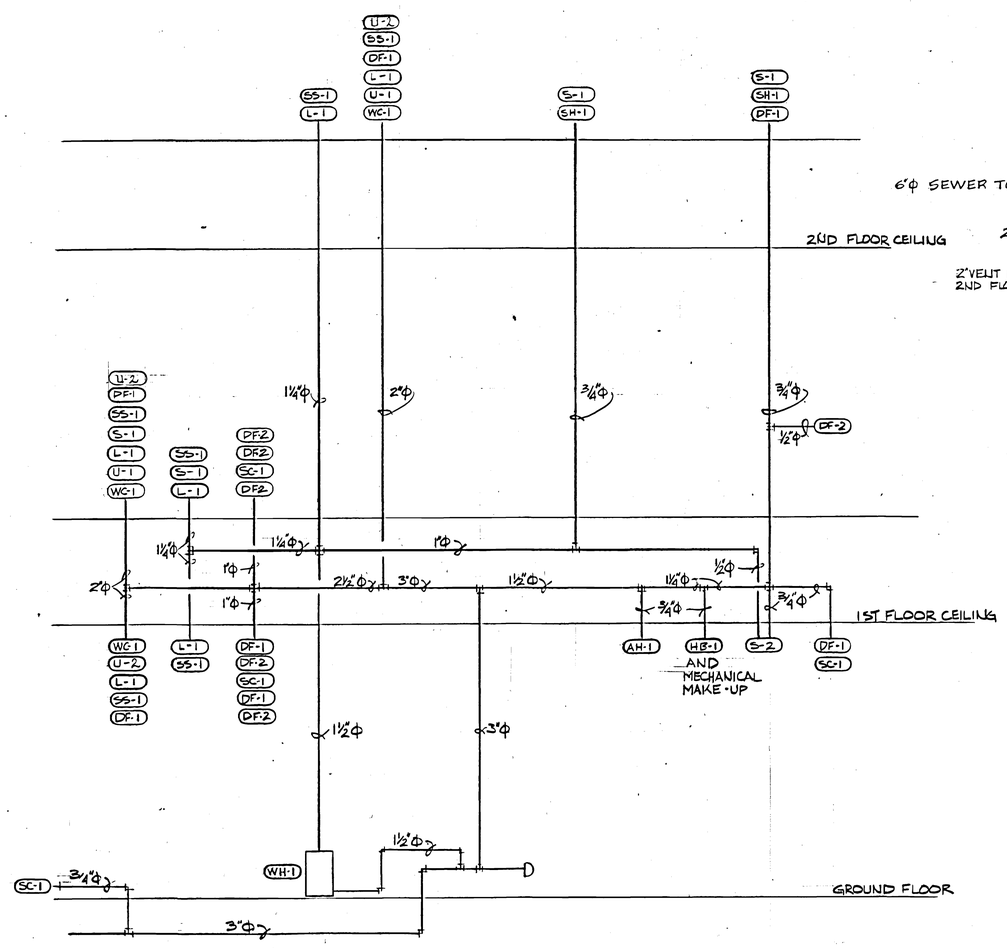
DATE	4-5-79
FILE NO.	214
DRAWN BY:	C.A.
CHECKED BY:	S.L.W.

SHEET P3

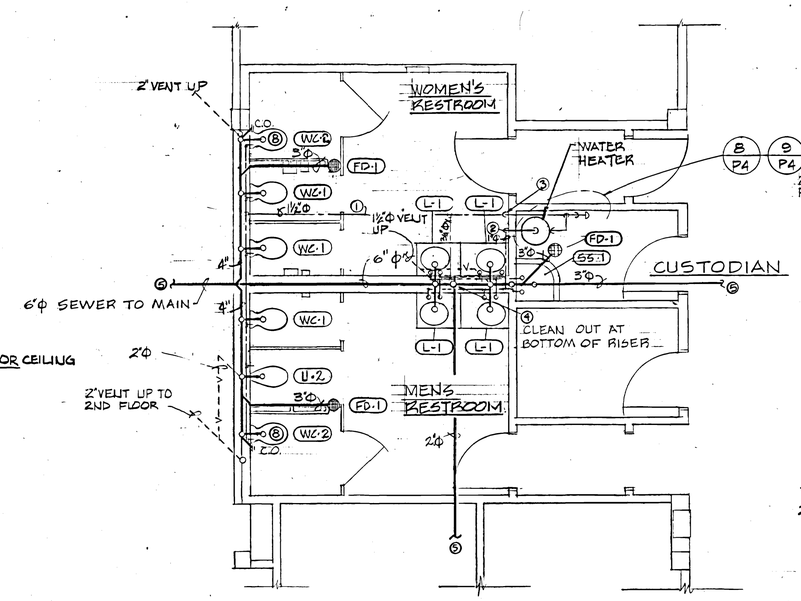
SHEET 84 OF 103 SHEETS

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

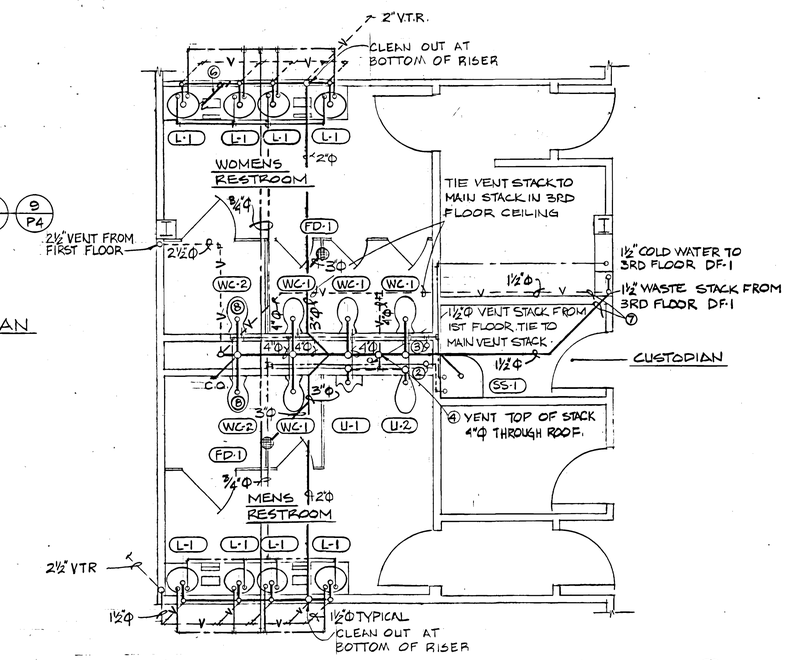
0000SRP3
Department of Natural Resources, Administration Building
Addition; Salt Lake City - NA: 77-069
Third Floor Plumbing Plan - 24314



WATER RISER DIAGRAM
NO SCALE



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



2ND & 3RD FLOOR PLUMBING PLAN
SCALE: 1/4" = 1'-0"
NORTH

PLUMBING FIXTURE SCHEDULE

Legend	Symbol	Fixture	Waste	Vent	Trap	C.W.	H.W.	Notes
WC-1		WATER CLOSET	4"	2"	—	1"	—	WALL MOUNTED, FLUSH VALVE
WC-2		WATER CLOSET	4"	2"	—	1"	—	HANDICAPPED
L-1		LAVATORY	1½"	1½"	1¼"	½"	½"	CABINET MOUNTED
FD-1		FLOOR DRAIN	3"	—	3"	—	—	NOTE: 2" WASTE & TRAP FOR SHOWER DRAIN FD-1
SS-1		SERVICE SINK	3"	1½"	3"	¾"	¾"	FLOOR MOUNTED
DF-1		DRINKING FOUNTAIN	1½"	1½"	1½"	½"	½"	FULLY RECESSED
DF-2		DRINKING FOUNTAIN	1½"	1½"	1½"	½"	½"	HANDICAPPED
FD-2		FLOOR DRAIN	3"	—	3"	—	—	EQUIPMENT ROOM
SC-1		SILL COCK	—	—	—	¾"	—	NONE FREEZE TYPE
S-1		SINK		1½"	2"	½"	½"	CABINET MOUNTED STAINLESS STEEL
HB-1		HOSE BIBB	—	—	—	¾"	—	
S-2		KITCHEN SINK	2"	1½"	2"	½"	½"	CABINET MOUNTED STAINLESS STEEL
RD-1		ROOF DRAIN	4"	—	—	—	—	FIBERGLASS · FURNISHED BY OTHERS · INSTALLED BY THIS CONTRACTOR
S-3		LAB SINK	2"	1½"	2"	½"	½"	CABINET MOUNTED STAINLESS STEEL
SH-1		SHOWER	2"	—	2"	¾"	¾"	
U-2		URINAL	2"	2"	2"	¾"	—	HANDICAPPED
U-1		URINAL	2"	2"	2"	¾"	—	WALL MNT. FLUSH VALVE

PLUMBING LEGEND

	SANITARY SEWER LINE
	COLD WATER LINE
	HOT WATER
—CO—	CLEANOUTS
—V—	VENT LINE
—RD—	ROOF DRAIN

NOTES:

1. ROUTE IN FIRST FLOOR CEILING SPACE.
2. HOT WATER RISES TO 2ND AND 3RD FLOORS.
3. COLD WATER RISES TO 2ND AND 3RD FLOORS.
4. 4" SANITARY SEWER SOIL STACK.
5. SEE SHEET P1 FOR CONTINUATION.
6. TO SOILS LAB SINK. 2ND FLOOR ONLY · 1½"Φ
7. ROUTE IN 2ND FLOOR CEILING SPACE
8. MOUNT HANDICAPPED WATER CLOSET 18" ABOVE FLOOR
9. SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE LINE SIZES

SIEGFRIED A. WEISS · Salt Lake County · 416 · State of Utah · LICENSED ARCHITECT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER · No. 4770 · TODD B. WILDE · STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

PLUMBING PLANS & ISOMETRICS

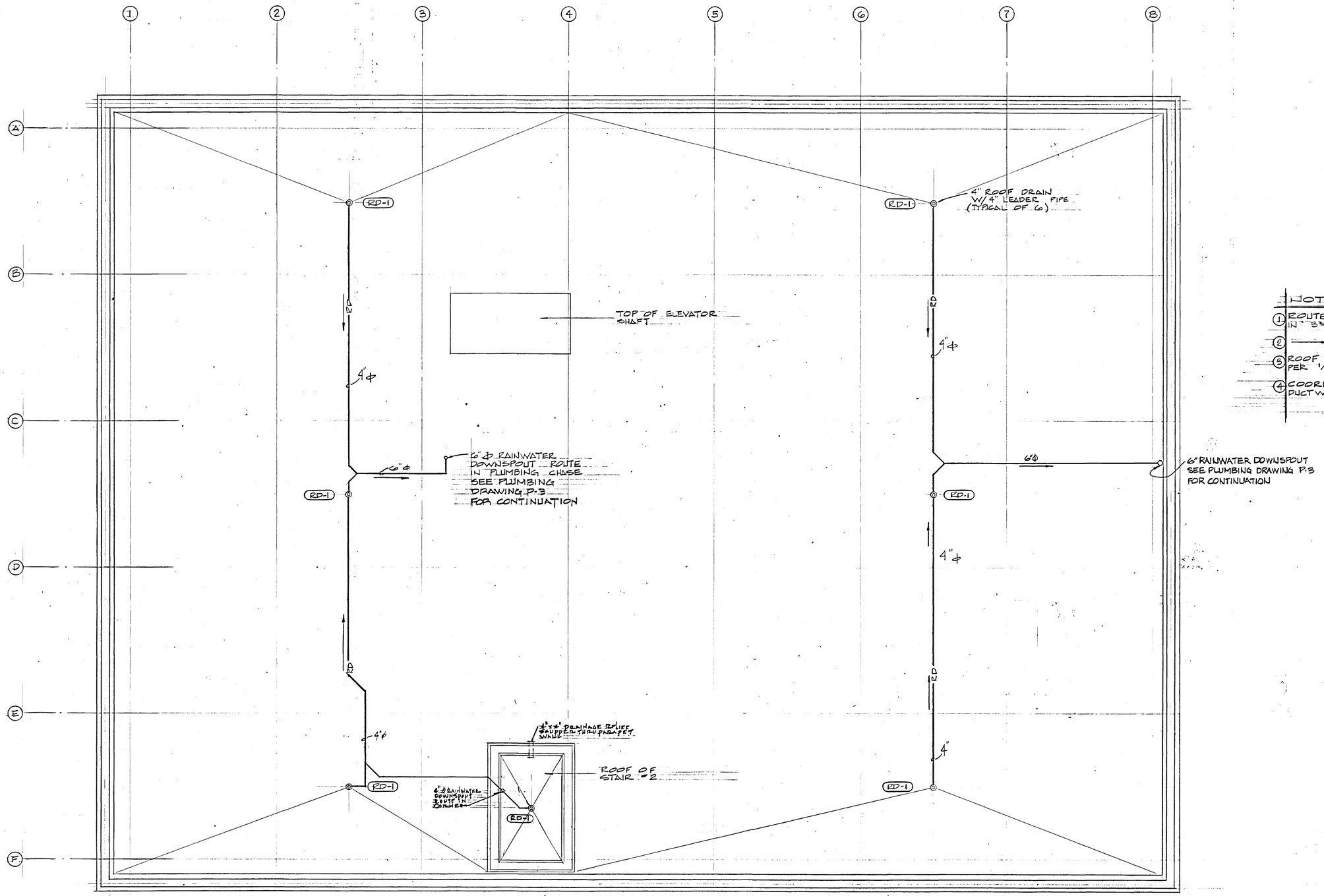
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH

UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA:77-069.

DATE 4-5-79	SHEET P4
FILE NO. 214	
DRAWN BY: C.A.	
CHECKED BY: S.L.W.	SHEET 65 OF 103 SHEETS

0000SRP4
Department of Natural Resources, Administration Building
Aromont, Park Lane city - HN. 77-069
Plumbing Plans & Isometrics - 24315

AS BUILT



NOTES:

1. ROUTE RAINWATER DRAIN LINES IN 3rd FLOOR CEILING SPACE.
2. DIRECTION OF SLOPE.
3. ROOF DRAIN LINES SIZED PER 1/8"/1'-0" SLOPE
4. COORDINATE WITH ALL MECHANICAL DUCTWORK, PLUMBING, PIPING ETC.

ROOF DRAIN PLAN

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

NORTH

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4770 TODD B. WILDE STATE OF UTAH

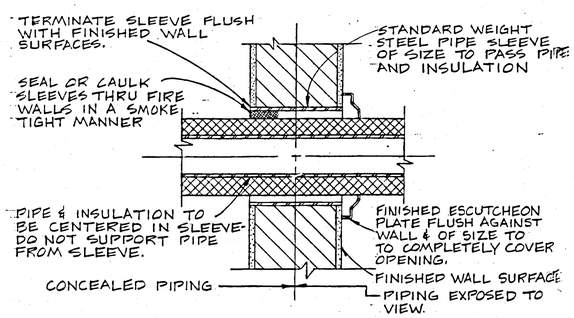
SUITE 330 JUDGE BLDG. NO. 8 EAST 3RD SOUTH SALT LAKE CITY, UTAH 84111

ROOF DRAIN PLAN
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BLDG BD PROJECT# SBB-NA-77-069

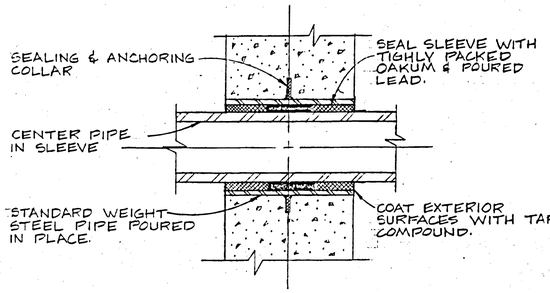
DATE 4-5-79	SHEET P5
FILE NO. 214	
DRAWN BY: C.R.L.	
CHECKED BY: B.L.W.	56 OF 103 SHEETS

SIEGFRIED A. WEISS Salt Lake County 416 State of Utah LICENSED ARCHITECT

0000SRP5
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Roof Drain Plan - 24316



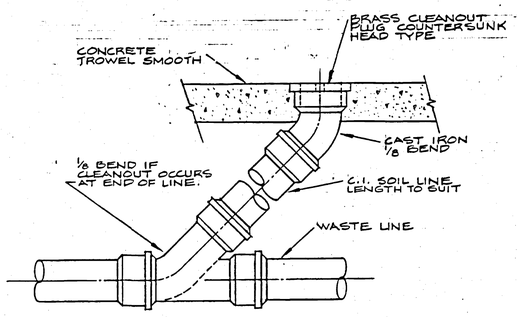
INTERIOR WALLS



EXTERIOR WALLS

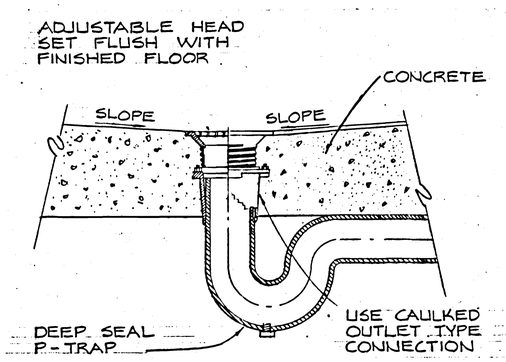
PIPE SLEEVE DETAIL (1 / P.4)

NO SCALE



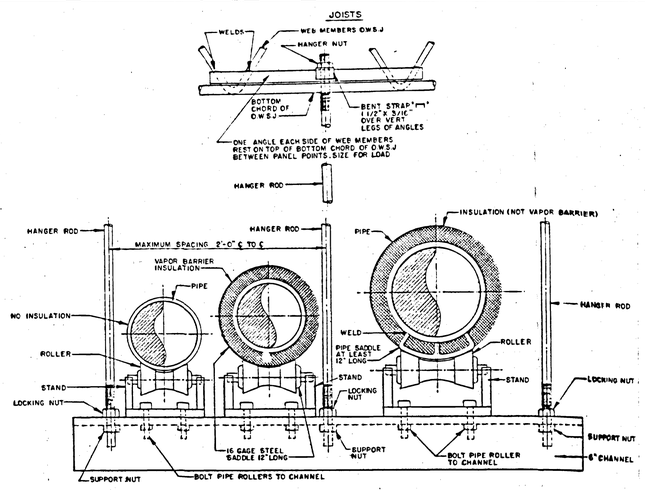
CLEANOUT TO FLOOR DETAIL (5 / P.4)

NO SCALE



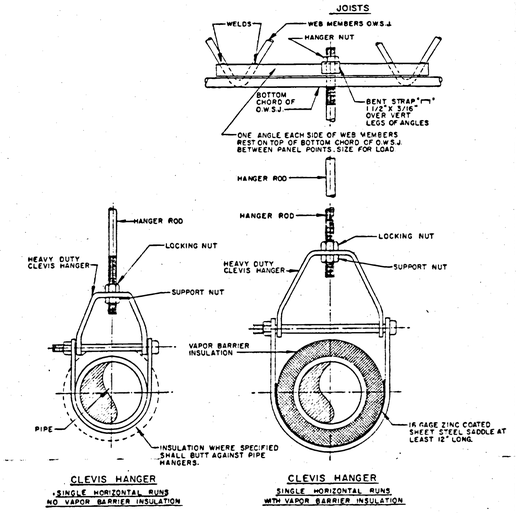
FLOOR DRAIN DETAIL (7 / P.4)

NO SCALE



TRAPEZ PIPE HANGER DETAIL (2 / P.4)

NO SCALE

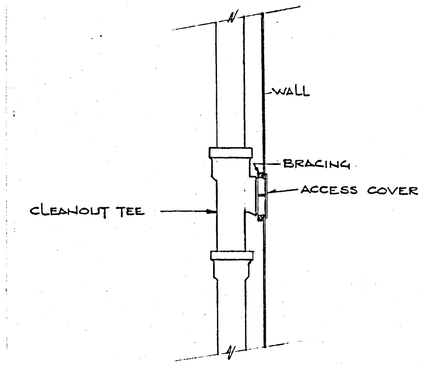


CLEVIS HANGER
SINGLE HORIZONTAL RUNS
NO VAPOR BARRIER INSULATION

CLEVIS HANGER
SINGLE HORIZONTAL RUNS
WITH VAPOR BARRIER INSULATION

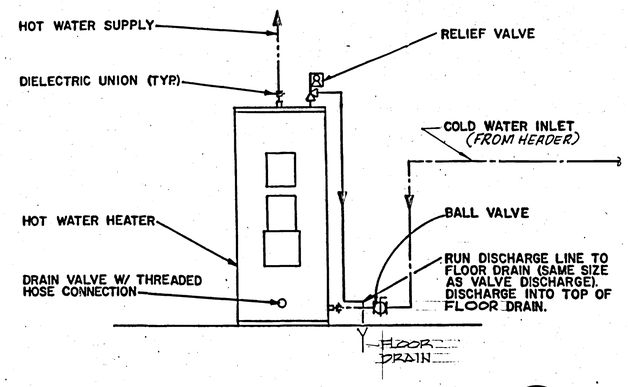
CLEVIS PIPE HANGER DETAIL (3 / P.4)

NO SCALE



WALL CLEANOUT DETAIL (4 / P.4)

NO SCALE



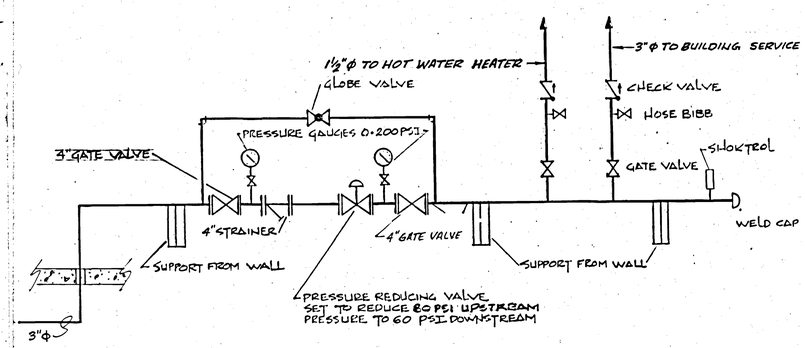
ELECTRIC HOT WATER HEATER DETAIL (6 / P.4)

NO SCALE

WATER HEATER

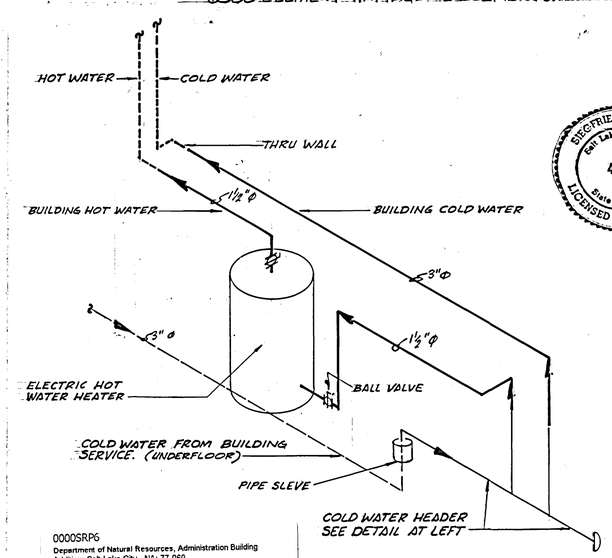
SYMBOL	MODEL	KW	BTU/HR	RECOVERY GAL/HR@100°	AMP	VOLTAGE	MANUFAC.
WH-1	ECS-85-18	18	61,416	74	22	480V 3PHASE	RUUD

6000 ELEMENT WATTAGE - 3 ELEMENTS.



COLD WATER HEADER DETAIL (8 / P.4)

NO SCALE



0000SRP6
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Plumbing Details - 24317

HOT WATER HEATER PIPING DETAIL (9 / P.4)

NO SCALE

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4770
TODD B. WILDE
STATE OF UTAH

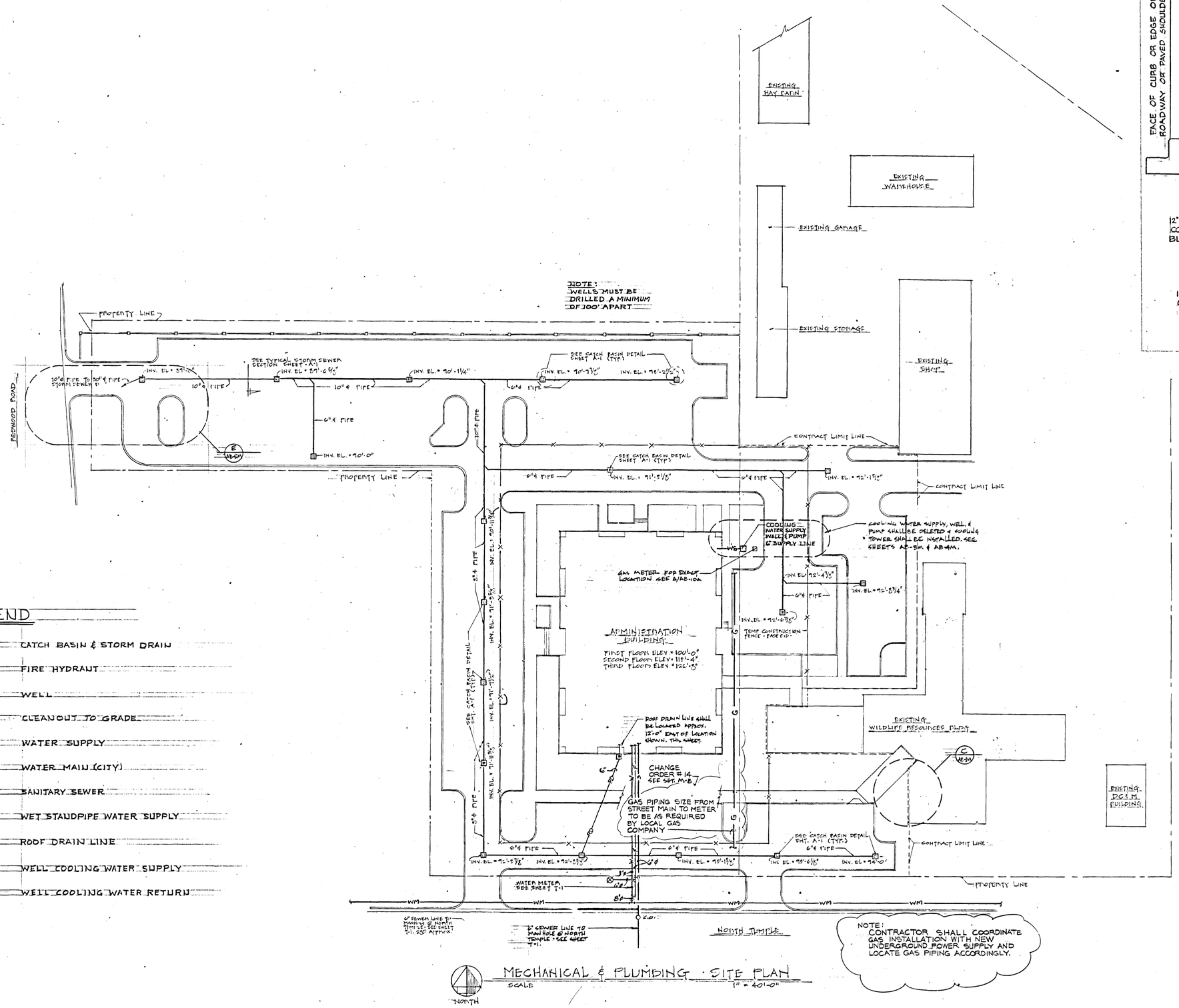
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

PLUMBING DETAILS

ADMINISTRATION BUILDING FOR
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
1600 WEST NORTH TEMPLE SALT LAKE, UTAH

UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA:77-069

DATE 4-5-79	SHEET P6
FILE NO. 214	
DRAWN BY: C.A.	
CHECKED BY: S.L.W.	SHEETS 7 OF 103 SHEETS

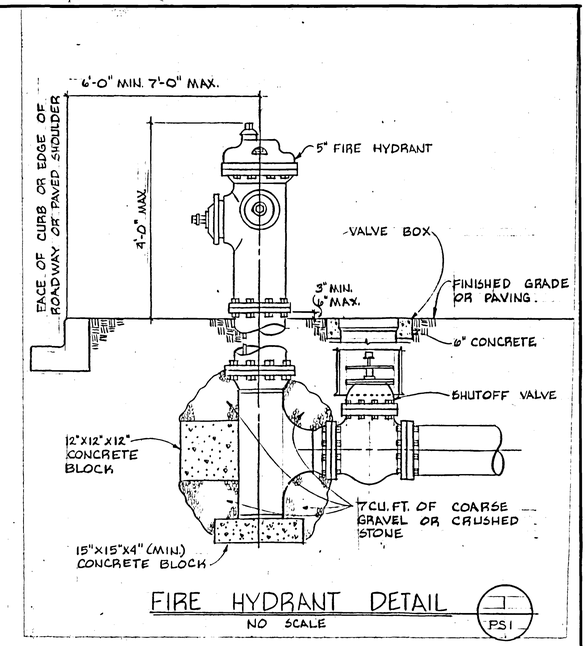


MECHANICAL & PLUMBING · SITE PLAN

SCALE 1" = 40'-0"

LEGEND

- CATCH BASIN & STORM DRAIN
- FIRE HYDRANT
- WELL
- CO. — CLEANOUT TO GRADE
- W — WATER SUPPLY
- WM — WATER MAIN (CITY)
- S — SANITARY SEWER
- F — WET STANDPIPE WATER SUPPLY
- RD — ROOF DRAIN LINE
- WS — WELL COOLING WATER SUPPLY
- WR — WELL COOLING WATER RETURN



FIRE HYDRANT DETAIL

NO SCALE

PS1

NOTE: SEE PLAN A/AB-5M FOR FIRE HYDRANT REVISION. CHANGE ORDER #17.

AS BUILT

BUDD WEISS & VINCENT ARCHITECTS

SIEGFRIED A. WEISS — Salt Lake County — 216 — State of Utah — LICENSED ARCHITECT

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

MECHANICAL, PLUMBING SITE PLAN

ADMINISTRATION BUILDING

FOR

DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH

FOR

UTAH STATE BUILDING BOARD

PROJECT I.D. NR SBB NA: 77-069

DATE	4-5-77
FILE NO.	214
DRAWN BY:	AW
CHECKED BY:	SAW

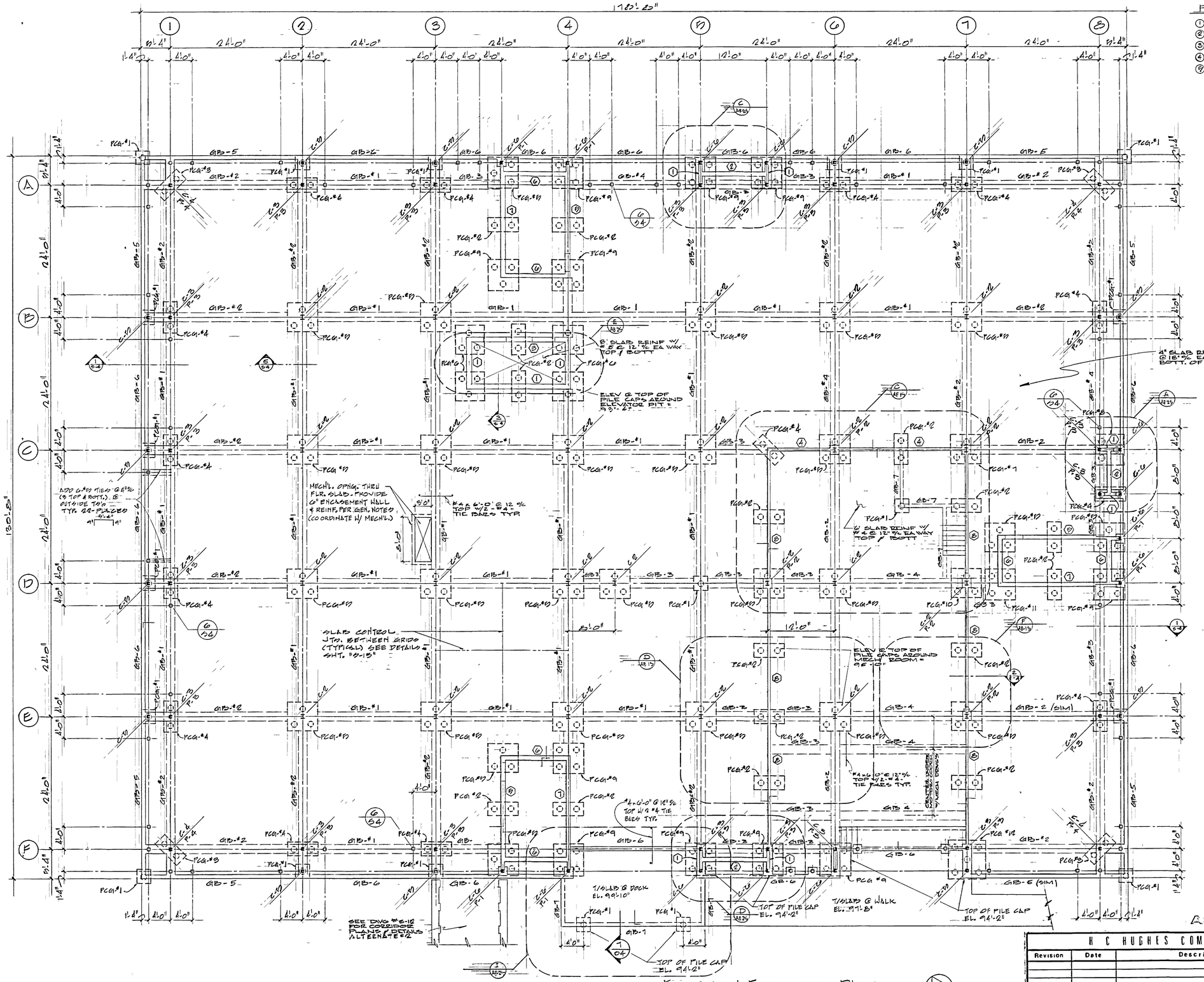
SHEET PS1

51 OF 103 SHEETS

00005RPS1
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Mechanical & Plumbing Site Plan - 24311

PLAN NOTES:

1. TOP OF PILE CAPS @ PERIMETER @ ELEV. 96'-6" (TYP U.N.O.)
2. TOP OF PILE CAPS @ INTERIOR @ ELEV 99'-6" (TYP U.N.O.)
3. SEE SHT. "S-12" FOR GENERAL NOTES
4. SEE SHT. "S-2" FOR GRADE BM. & PILE CAP SCHED'S.
5. SEE SHT. "S-3" FOR WALL, COLUMN & PIER SCHED'S.



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

NOTE. CONTRACTOR MAY REVIEW SOILS REPORT AND RELATED LOG OF BORINGS AT ARCHITECTS OFFICE. CONTRACTOR SHALL DRIVE & PROBE PILES TO A DEPTH OF 80 FT IN THE FOUR CORNERS OF THE PROPOSED BUILDING TO DETERMINE THE PENETRATION RESISTANCE OF THE SOILS THAT WOULD BE SUPPORTING TIPS OF 60' PILES. COSTS FOR PROBE PILES SHALL BE INCLUDED IN THE CONSTRUCTION CONTRACT & PAID FOR BY THE CONTRACTOR.

AS BUILT

H C HUGHES COMPANY		
Revision	Date	Description

00005RS1
Department of Natural Resources Administration Building Addition, Salt Lake City - NA 77 069
Foundation Plan 24273

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

REGISTERED PROFESSIONAL ENGINEER
No 4046
REINHARDT DSUMEK
STATE of UTAH

BUDD WEISS & VINCENT ARCHITECTS

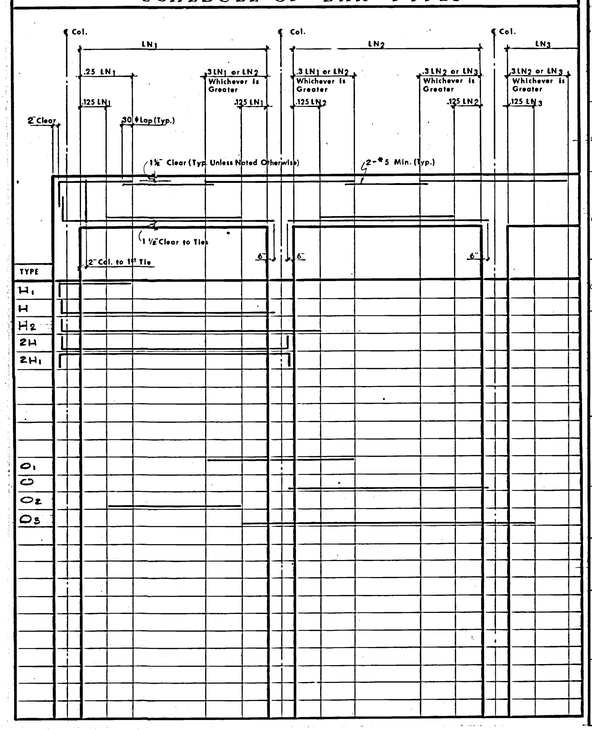
SUITE 330 JUDGE BLDG
NO 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

FOUNDATION PLAN
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.P. NO. 5BD NA-77-069

DATE 4-2-79	SHEET S1
FILE NO 2.14	
DRAWN BY RAD	
CHECKED BY SAW	SHEET 44 OF 103 SHEETS

GENERAL NOTES	REVISIONS

SCHEDULE OF BAR TYPES



BEAM SCHEDULE

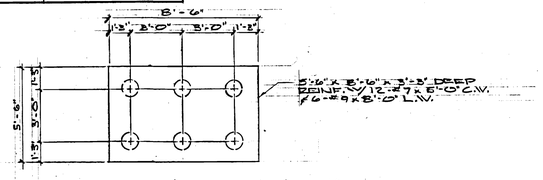
BEAM MARK	Width	Depth	REINFORCEMENT No.	Size	Type	NOTES	STIRRUPS Size	Type	End	Spacing From Support
GB-1	12	24	4	6	O1	2-EA. END	#3	2	EACH	1@6"%, CONT. @ 18"%
			2	6	O3					
			1	6	O2					
GB-2	12	24	4	7	H1	EXTEND HOOK END 5'-0" PAST GIRD	#3	2	EACH	1@6"%, CONT. @ 18"%
			3	7	O1					EXTEND TIES @ 12"%
			2	7	H2	EXTEND HOOK END 5'-0" PAST GIRD				PAST GIRD
			1	7	O2					
GB-3	12	24	2	6		TOP & BOTT. EXTEND MIN. OF 1.7ℓd PAST GRID LINE				
						OR TERMINATE W/ STD. HOOK WHERE BEAM IS NOT				
						CONTINUOUS	#3	2	EACH	@ 12"%
GB-4	12	24	SAME AS GB-2 EXCEPT STOP "H" BARS @ GRID							
			2	8		CONT. TOP & BOTT.	#3	2	CONT	@ 18"%
			2	4		HORIZ. @ EA. SIDE				
GB-7, GB-6	12, 12	42, 42	SPLICE TOP BARS @ MID-SPAN; SPLICE BOTT. BARS @ SUPPORTS				LAP = 1.7ℓd			
			PROVIDE CORNER BARS							
GB-7	8	VARIES	2	6		TOP & BOTT. SPLICE 1.7ℓd AS PER GB-7 & GB-6				
				7	@	2'11"% EA. WALL IN & WALL PER GENERAL NOTES				
SB-1	10	16	2	7	2H1	OK TO DOWEL TO	#3	1	EACH	1@8"%
			2	7	2H1	WALL 1.7ℓd LAP				
SB-2	10	16	8	7	H1	2-TOP & BOTT. EA. SIDE	#3	1	EACH	1@8"%
			4	7		2 TOP & BOTT.				

PILE & CAP SCHEDULE

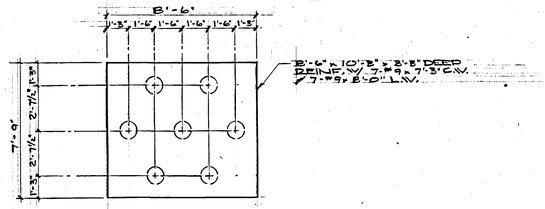
PILE GROUPS	BASE BID	ALTER. #1	NOTES
PCG-#1	TYPE "A"	TYPE "A"	
PCG-#2	" "B"	" "B"	
PCG-#3	" "B"	" "B"	
PCG-#4	" "B"	" "B"	
PCG-#5	" "C"	" "E"	
PCG-#6	" "C"	" "G"	
PCG-#7	" "C"	" "F"	
PCG-#8	" "C"	" "D"	
PCG-#9	" "D"	" "H"	
PCG-#10	" "C"	" "J"	COMBINED WITH
PCG-#11	" "D"	" "J"	PCG-#10
PCG-#12	" "E"	" "E"	
PCG-#13			
PCG-#14			

PILE NOTES:

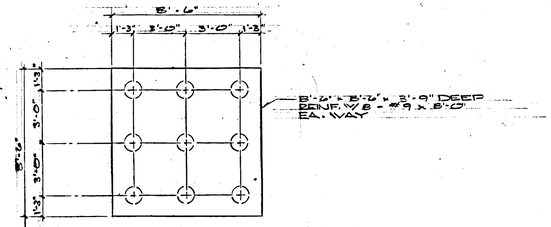
1. DESIGN CAPACITY OF PILES IS 20 TONS
2. SEE SECTION "X/S-2" & SPECIFICATIONS FOR PILE DESCRIPTION
3. SEE SPECIFICATIONS FOR TEST PILE DATA. COORDINATE LOCATION OF TEST PILE W/ ARCHITECT



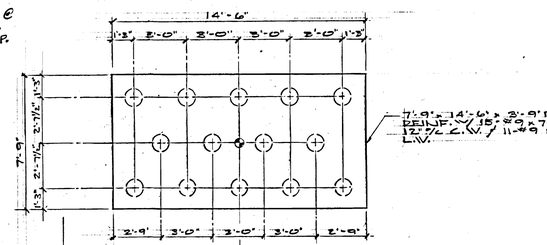
6-PILES, CAP (TYPE "F")



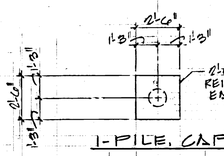
7-PILES, CAP (TYPE "G")



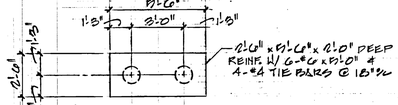
9-PILES, CAP (TYPE "H")



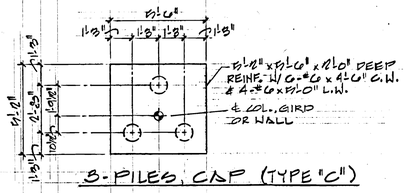
14-PILES, CAP (TYPE "J")



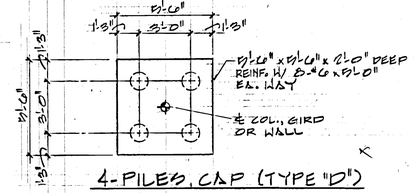
1-PILE, CAP (TYPE "A")



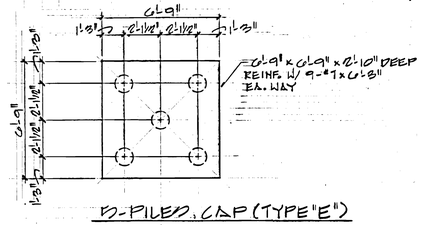
2-PILES, CAP (TYPE "B")



3-PILES, CAP (TYPE "C")

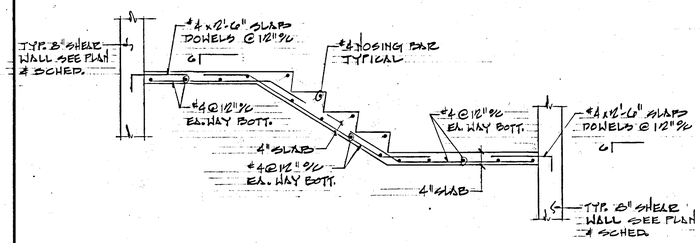


4-PILES, CAP (TYPE "D")

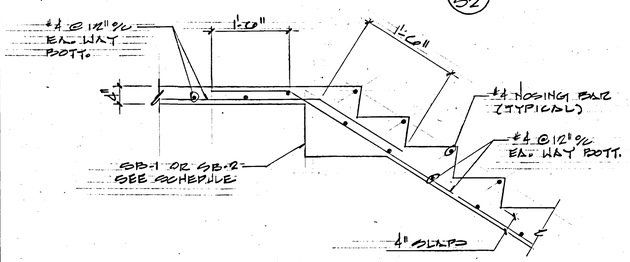


9-PILES, CAP (TYPE "E")

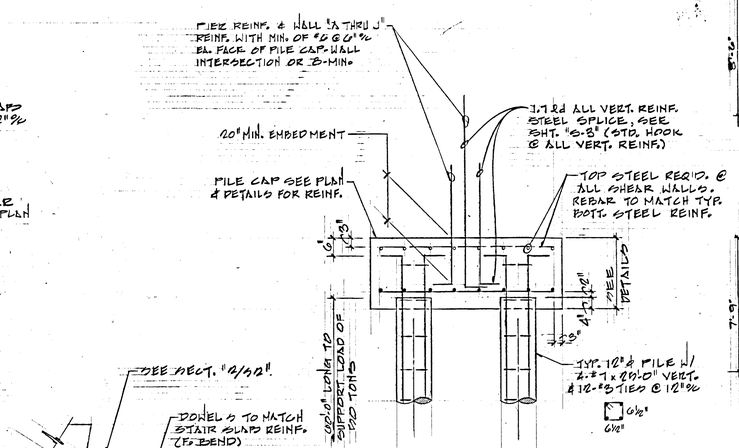
AS BUILT



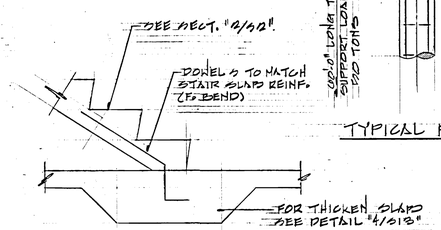
SECTION 1/S2



SECTION 2/S2



TYPICAL PILE & REINFORCING X/S2



SECTION 3/S2

7

0000SRS2
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
G.B. & Pile Schedule & Details - 24274

SIEGFRIED A. WEISS, Salt Lake County, 416, State of Utah, LICENSED ARCHITECT

H. C. HUGHES COMPANY		
Revision	Date	Description

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4946 REINHARDT BSUMEK STATE OF UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

G.B. & PILE SCHEDULE & DETAILS
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1000 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. 5 DB NA: 77-069

DATE 4-5-79	SHEET S2
FILE NO. 214	
DRAWN BY: RAD	
CHECKED BY: SAW	SHEET 45 OF 103 SHEETS

SCHEDULE OF WALL REINFORCEMENT

		A-BARS	B-BARS	C-BARS	D-BARS	E-BARS	F-BARS	G-BARS	H-BARS	J-BARS
BASE BID	FOOTING TO BED FLOOR	4-#7 W/ #3 TIES @ 12" O/C	2-#6 EXTEND 30" ABOVE OPNG.	4-#9 W/ #4 TIES @ 12" O/C	2-#6	4-#7 W/ #3 TIES @ 12" O/C	4-#7 W/ #3 TIES @ 12" O/C	4-#7 W/ #3 TIES @ 12" O/C	6-#9 W/ #4 TIES @ 12" O/C	4-#9 W/ #3 TIES @ 12" O/C
	BED TO FLOOR			4-#5		4-#6	4-#6	4-#5	2-#6 W/ #3 TIES @ 12" O/C	4-#5
ALTERNATE #1	FOOTING TO BED FLOOR	10-#8 W/ #3 TIES @ 12" O/C	4-#7 W/ #3 TIES @ 12" O/C	8-#7 W/ #3 TIES @ 12" O/C	4-#8 W/ #3 TIES @ 12" O/C	8-#8 W/ #4 TIES @ 12" O/C	8-#9 W/ #4 TIES @ 12" O/C	4-#9 W/ #4 TIES @ 12" O/C	24-#9 W/ #4 TIES @ 12" O/C	10-#9 W/ #4 TIES @ 12" O/C
	BED TO 5TH FLOOR			8-#6 W/ #3 TIES @ 12" O/C	4-#7 W/ #3 TIES @ 12" O/C	8-#7 W/ #3 TIES @ 12" O/C	4-#7 W/ #3 TIES @ 12" O/C	4-#7 W/ #3 TIES @ 12" O/C	12-#9 W/ #4 TIES @ 12" O/C	8-#9 W/ #4 TIES @ 12" O/C
	5TH TO ROOF			4-#6	2-#7	4-#7 W/ #3 TIES @ 12" O/C	4-#7 W/ #3 TIES @ 12" O/C	4-#6	4-#9 W/ #3 TIES @ 12" O/C	4-#6

DELETED

		WALL 1	WALL 2	WALL 3	WALL 4	WALL 5	WALL 6	WALL 7	WALL 8	WALL 9
*BASE BID	FOOTING TO BED FLOOR	H1 V1	H1 V1	H1 V1	H2 V1	H1 V1	H1 V1	H1 V1	H1 V1	
	BED TO ROOF	H1 V1	H1 V1	H1 V1	——	H1 V1	H1 V1	H1 V1	——	
*ALTERNATE #1	FOOTING TO BED FLOOR	H1 V1	H2 V2	H4 V1	H1 V1 (10" WALL)	H3 V2	H2 V2	H5 V5	H2 V1	
	BED TO 5TH FLOOR	H1 V1	H1 V1	H1 V1		H1 V2	H1 V1	H3 V3	——	
	5TH TO ROOF	H1 V1	H1 V1	H1 V1	——	H1 V1	H1 V1	H1 V1		

DELETED

*NOTE
USE 4000 PSI CONC. FOR BASE BID & 5000 PSI FOR ALTERNATE #1

NOTES:

1.) H = HORIZONTAL REINF. V = VERTICAL REINF.
#4 @ 12" O/C @ CENTER OF WALL
#5 @ 12" O/C "
#6 @ 12" O/C "
#7 @ 12" O/C "
#8 @ 12" O/C "
#9 @ 12" O/C BOTH FACES

2) SPLICE LENGTHS (1.7 x ℓd) FOR A TO J BARS ONLY
#4 - 20" #6 - 31" #8 - 51" #10 = 82"
#5 - 26" #7 - 39" #9 - 65"

3) UNLESS NOTED OTHERWISE ALL WALLS IN WALL SCHED. ARE 8" CONC.

4) UNLESS NOTED OTHERWISE SIDES OF OPNG'S SHALL BE REINF. AS FOLLOWS

UP TO 4'-0"	2-#6 FOR BASE BID	2-#8 FOR ALT. #1
4'-0" TO 8'-0"	2-#7 "	2-#9 "

5.) WELD GRADE 40 REBAR (ONE SIZE LARGER THAN CORRESPONDING HORIZ. WALL REINF.) - LAP 40 BAR DIAMETERS W/ WALL REINF.

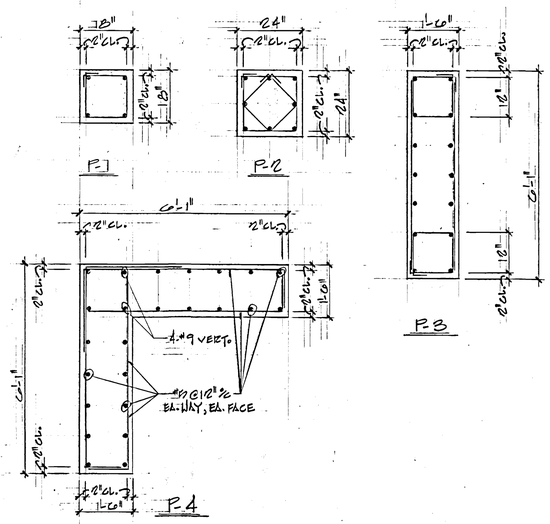
COLUMN SCHEDULE

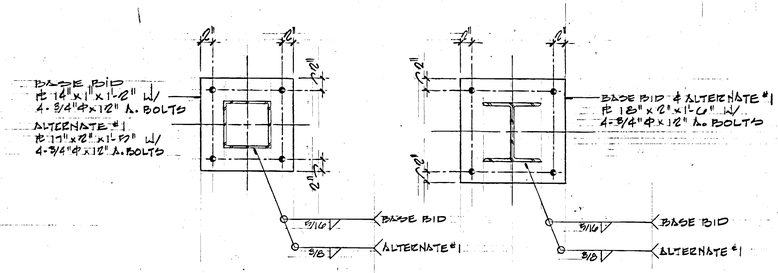
MARK / ELEVATION	C-1	C-2	C-3	C-4	C-5	C-6
ROOF FOR ALTERNATE #1 / 5TH FLOOR ELEV. 163'-3" FOR ALTERNATE #1	W10x49	W10x49	TS 8x8x1/4	TS 8x8x1/4	TS 8x8x1/4	TS 8x8x1/4
4TH FLOOR ELEV. 140'-0" FOR ALTERNATE #1						
ROOF FOR BASE BID / 3RD FLOOR ELEV. 126'-8"	W10x49 / 2'-10" SPLICE TYP.	W10x49	TS 8x8x1/4	TS 8x8x1/4	TS 8x8x1/4	TS 8x8x1/4
2ND FLOOR ELEV. 113'-4"						
1ST FLOOR ELEV. 100'-0"		W10x49 BASE BID / W10x54 ALTERNATE #1	TS 8x8x5/8 BASE BID / TS 8x8x5/8 ALTERNATE #1	TS 8x8x1/2 BASE BID / TS 8x8x5/8 ALTERNATE #1	TS 8x8x1/4 BASE BID / TS 8x8x3/8 ALTERNATE #1	TS 8x8x1/4 BASE BID / TS 8x8x3/8 ALTERNATE #1
MECH. ROOM FLOOR ELEV. 95'-6"	W10x49 BASE BID / W10x54 ALTERNATE #1					
BASE PL SIZE	SEE BASE PL DETAIL					
ANCHOR BOLTS	SEE BASE PL DETAIL					
BOTT. OF BASE PL ELEVATION						

① ALL COLUMNS TO HAVE 2" GROUT BED
② ALL COLUMNS TO BE A-36 STEEL, UNLESS NOTED OTHERWISE

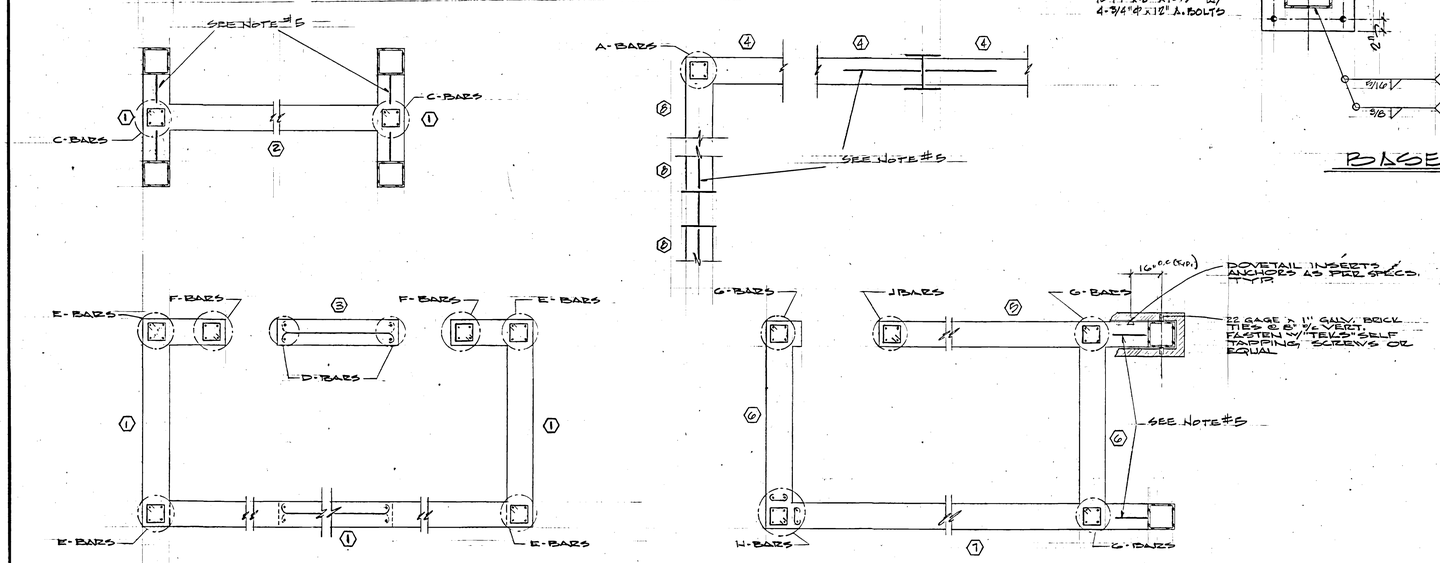
PIER SCHEDULE

MARK	SIZE	REINFORCEMENT	TIES	NOTES
P-1	18"x18"	4-#9 VERT.	3-#3 @ 3"% TOP REM. @ 12"%	DTL. ALL VERT. BTL. 1.7 ℓd OUT OF PILE CAP
P-2	24"x24"	8-#8 VERT.	3-#3 @ 3"% TOP REM. @ 12"%	SEE SECT. 1/1/0-2"
P-3	18"x 18"	4-#9 EA. END #9 @ 12"% E.W. E.F.	3-#3 @ 3"% TOP REM. @ 12"%	
P-4	SEE DTL.	SEE DTL.	SEE DTL.	
P-5	—			
P-6	—			





BASE PL DETAIL



EXCEPT WHERE OTHERWISE NOTED:
STEEL ANGLE LINTELS FOR BRICK VENEER
BEARING = 1" PER FT. OF OPENING MIN = 6"

CLEAR OPENING	ANGLE SIZE
UP TO 5'-0"	3½" x 3" x ¼" L
5'-0" TO 7'-0"	3½" x 3½" x ¼" L
7'-0" TO 9'-0"	4" x 3½" x ¼" L
9'-0" TO 10'-0"	5" x 3½" x ¼" L
10'-0" TO 12'-0"	6" x 4" x 5/16" L

0000SRS3
Department of Natural Resources, Administration Building
Addition: Salt Lake City - NA: 77-069
Wall, Column & Pier Schedules - 24275

AS BUILT

H. C. HUGHES COMPANY

Revision	Date	Description

GEORGE A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4040
REINHARDT BSUMEK
STATE OF UTAH

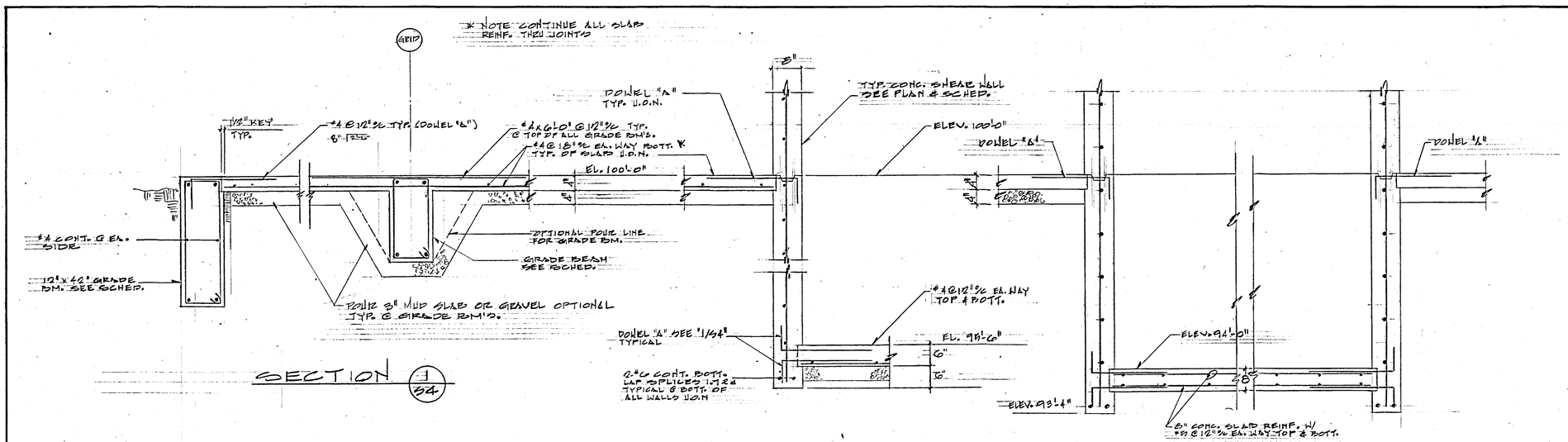
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

WALL, COLUMN & PIER SCHEDULES
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1636 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT NO. 5000 NA: 77-069

DATE 4-5-79
FILE NO. 214
DRAWN BY: RAD
CHECKED BY: SAW

SHEET 53
SHEET 46 OF 103 SHEETS

GENERAL NOTES | REVISIONS

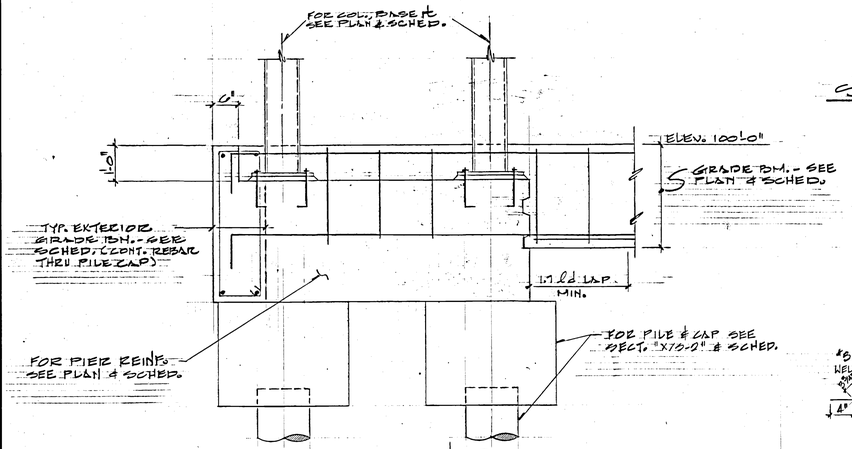


SECTION 1/S4

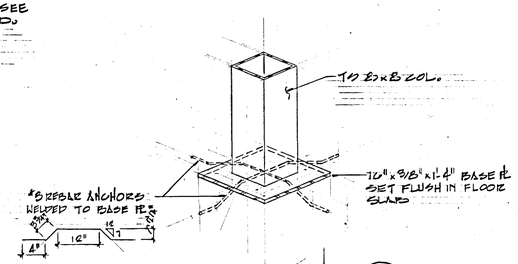
SECTION 2/S4

SECTION 3/S4

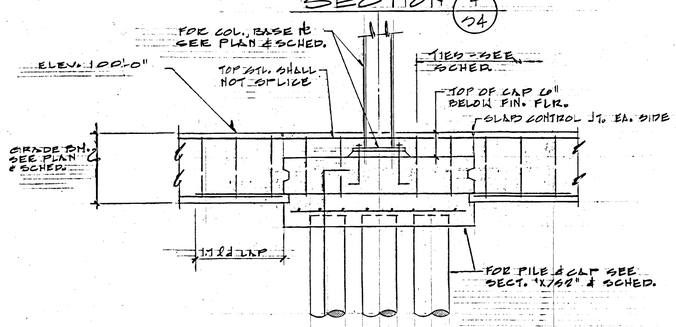
ELEVATOR PIT. - ITEMS NOT SHOWN SAME AS SECT. 2/S4



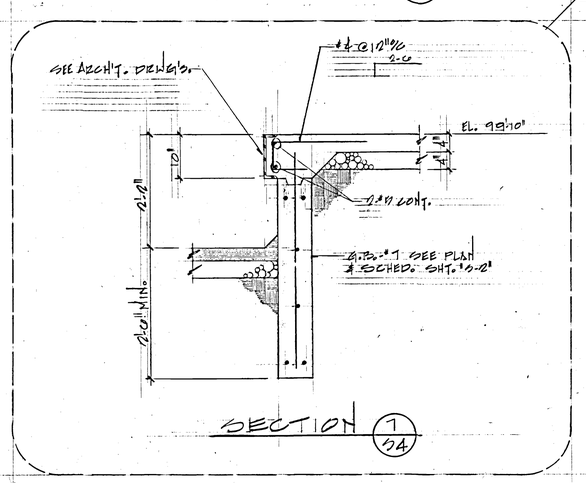
SECTION 4/S4



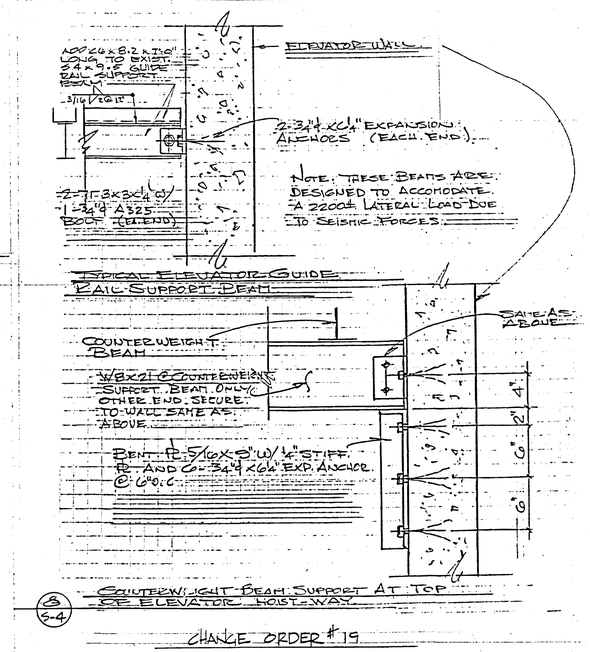
SECTION 6/S4



SECTION 5/S4



SECTION 7/S4



3/S-4

CHANGE ORDER #19

0000SRS4
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Foundation Sections - 24276

AS BUILT

H. C. HUGHES COMPANY		
Revision	Date	Description

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4046
REINHARDT BSUMEK
STATE of UTAH

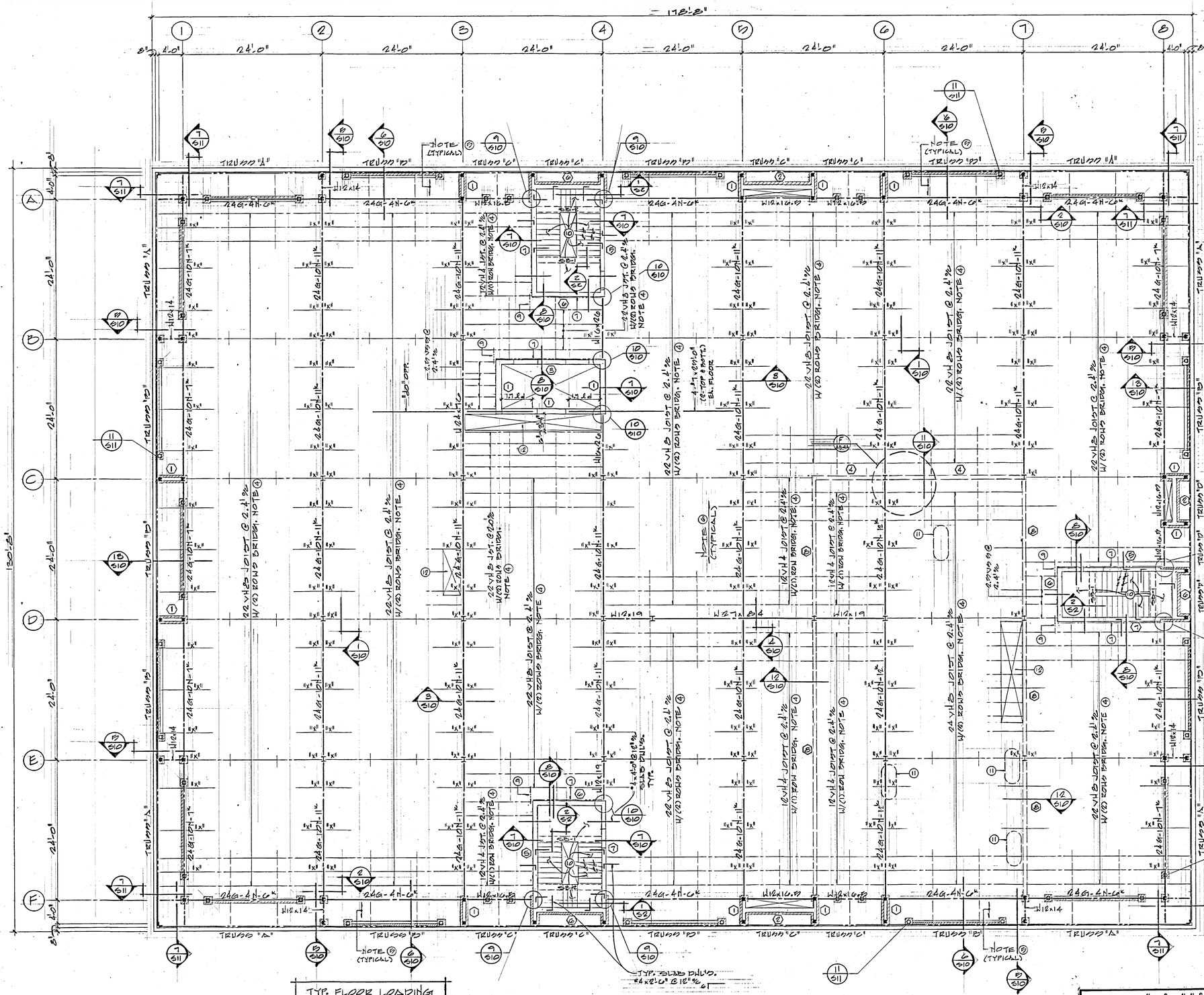
SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

FOUNDATION SECTIONS

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH

UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA-77-069

DATE 4-2-79	SHEET S4
FILE NO. 214	
DRAWN BY: RAD	
CHECKED BY: SAW	SHEET 47 OF 103 SHEETS



PLAN NOTES:

1. OPEN WEB GIRDERS SHOWN THUS (24G-10N-11K) VULCRAFT OR EQUAL
2. EXTEND BOTTOM CHORD OF ALL OPEN WEB GIRDER TO COLUMNS
3. EXTEND BOTTOM CHORD OF JOIST TO SUPPORTS @ ALL PT'S. MK'D "X" ON PLAN (MAX. 7.2' SPACING)
4. ALL JOIST BRIDGING TO BE HORIZ. & 1x1x1/8 TOP & BOTTOM PER S.J.I. SPECIFICATIONS
5. 4" CONC. SLAB OVER 1 1/2" x 20 GAGE GALVANIZED COMPOSITE METAL DECK
   $I_{MIN.} = .233^{\square'}$
   $S_{MIN.} = .271^{\square'}$
   REINF. SLAB W/ 1-LAYER 6x6-W1.4xW1.4 MESH (MAX. 3/4" DOWN FROM TOP OF SLAB)
   DECK ATTACHMENTS: 4-3/8"x1" PUDDLE WELDS PER 24" OF DECK @ ALL SUPPORTS; 1 1/2" SEAM WELDS @ 12"% & PERIMETER WELDS PARALLEL TO DECK @ 12"% (TYP. EAST & WEST BALCONY)
6. 4" CONC. SLAB OVER 1 1/2" x 22 GAGE GALVANIZED COMPOSITE METAL DECK
   $I_{MIN.} = .183^{\square'}$
   $S_{MIN.} = .209^{\square'}$
   REINF. SLAB W/ 1-LAYER 6x6-W1.4xW1.4 MESH (MAX. 3/4" DOWN FROM TOP OF SLAB)
   DECK ATTACHMENT: 4-3/8"x1" PUDDLE WELD PER 24" OF DECK @ ALL SUPPORTS; 1 1/2" SEAM WELDS @ 12"% & PERIMETER WELDS PARALLEL TO DECK @ 12"%
7. CONT. DECK BRG. & 3x3x1/4 W/ 3/4"Ø x 6 1/4" EXP. ANCHORS @ 24"%
8. ② INDICATES WALL TYPE SEE SCHEDULE SHEET "S-3"
9. PROVIDE & 2 1/2x2 1/2x1/4 (COPE ENDS & F. WELD TO TOP CHORD OF JOIST)
10. TYPICAL CONC. STAIR & LANDING SLABS TO BE 4" THICK W/ #4 @ 12"% EA. WAY BOTT.
11. 2500# EXPANSION TANK, SEE MECH'L. DRWG'S. FRAMING. NOTE ALL MECH'L EQUIPMENT SUPPORT FRAMES TO BE SUPPORT FROM TOP CHORD OF JOIST & MAX. 6" FROM PANEL PT'S.
12. MECH'L. OPENING THRU FLOOR SLAB, PROVIDE & 3 1/2x3 1/2x1/4 CLOSURE @ ALL SIDES OF OPENING - SEE ARCH'T. DRAWING FOR FIRE-PROOFING REQM'TS. OF JST.

TYP. FLOOR LOADING CRITERIA	
DEAD LOAD	88 PSF
LIVE LOAD	150 PSF
TOTAL LOAD	238 PSF

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

NORTH

0000SRS5
Department of Natural Resources, Administration Building
Addition; Salt Lake City - NA: 77-069
Second Floor Framing Plan - 24277

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4046
REINHARDT BSUMEK
STATE of UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

2ND FLOOR FRAMING PLAN
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SBB NA:77-069

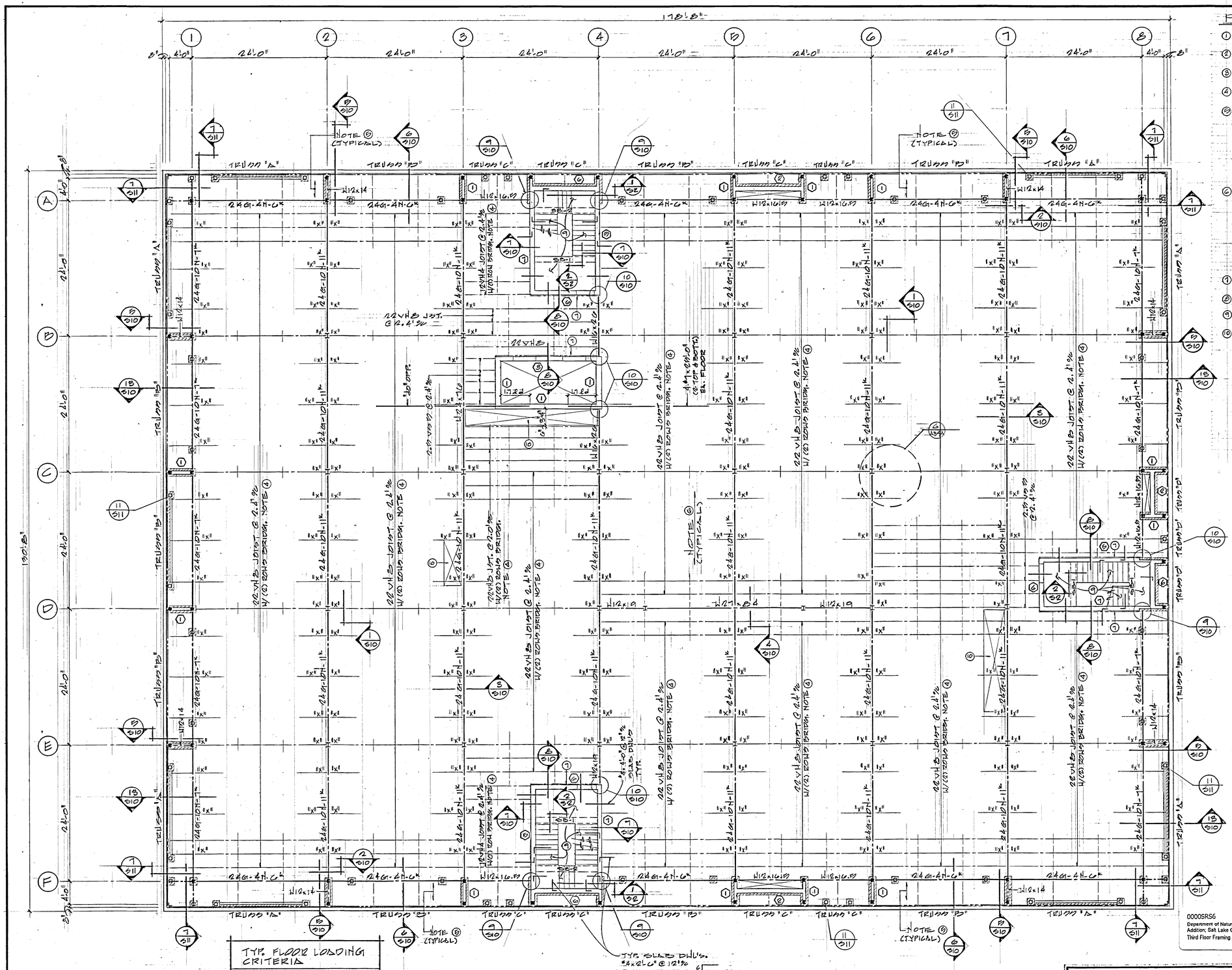
AS BUILT

H. C. HUGHES COMPANY

Revision	Date	Description

DATE 4-5-9
FILE NO. 214
DRAWN BY: KAD
CHECKED BY: SAW

SHEET S5
SHEET 48 OF 103 SHEETS



TYP. FLOOR LOADING CRITERIA	
DEAD LOAD	88 PSF
LIVE LOAD	150 PSF
TOTAL LOAD	238 PSF

THIRD FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"
FINISH FLOOR ELEV. = 128'-8"

NORTH

PLAN NOTES:

1. OPEN WEB GIRDERS SHOWN THUS (24G-10N-11K) VULCRAFT
2. EXTEND BOTTOM CHORD OF ALL OPEN WEB GIRDERS TO COLUMNS
3. EXTEND BOTTOM CHORD OF JOIST TO SUPPORTS @ ALL PT'S. MK'D "X" ON PLAN (MAX. 7.2' SPACING)
4. ALL JOIST BRIDGING TO BE HORIZ. ∡ 1x1x1/8 TOP & BOTTOM PER S.J.I. SPECIFICATIONS
5. 4" CONC. SLAB OVER 1 1/2" x 20 GAGE GALVANIZED COMPOSITE METAL DECK
   $I_{MIN.}$ = .233 #4
   $S_{MIN.}$ = .271 #8
   REINF. SLAB W/ 1-LAYER 6x6-W1.4 x W1.4 MESH (MAX. 3/4" DOWN FROM TOP OF SLAB)
   DECK ATTACHMENTS: 4-3/8" x 1" PUDDLE WELDS PER 24" OF DECK @ ALL SUPPORTS; 1 1/2" SEAM WELDS @ 12"% & PERIMETER WELDS PARALLEL TO DECK @ 12"% (TYP. EAST & WEST BALCONY)
6. 4" CONC. SLAB OVER 1 1/2" x 22 GAGE GALVANIZED COMPOSITE METAL DECK
   $I_{MIN.}$ = .183 #4
   $S_{MIN.}$ = .209 #8
   REINF. SLAB W/ 1-LAYER 6x6-W1.4 x W1.4 MESH (MAX. 3/4" DOWN FROM TOP OF SLAB)
   DECK ATTACHMENTS: 4-3/8" x 1" PUDDLE WELDS PER 24" OF DECK @ ALL SUPPORTS; 1 1/2" SEAM WELDS @ 12"% & PERIMETER WELDS PARALLEL TO DECK @ 12"%
7. CONT. DECK BRG. ∡ 3x3x1/4 W/ 3/4" ϕ x 6 1/4" EXP. BOLTS @ 24"%
8. (2) INDICATES WALL TYPE SEE SCHEDULE SHEET "S-3"
9. TYPICAL CONC. STAIR & LANDING SLABS TO BE 4" THICK W/ #4 @ 12"% EA. WAY BOTT.
10. MECH'L. OPENING THRU FLOOR SLAB, PROVIDE 9-3 1/2x3 1/2x1/4 CLOSURE @ ALL SIDES OF OPENING - SEE ARCH'T. DRAWING FOR FIRE-PROOFING REQM'T. OF JST.

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4046
REINHARDT BSUMEK
STATE of UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

0000SRS6
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Third Floor Framing Plan - 24278

AS BUILT

H. C. HUGHES COMPANY

Revision	Date	Description

3RD FLOOR FRAMING PLAN
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID NO. SBB NA-77-069

DATE 4-5-79
FILE NO. 214
DRAWN BY: RAD
CHECKED BY: SAW

SHEET
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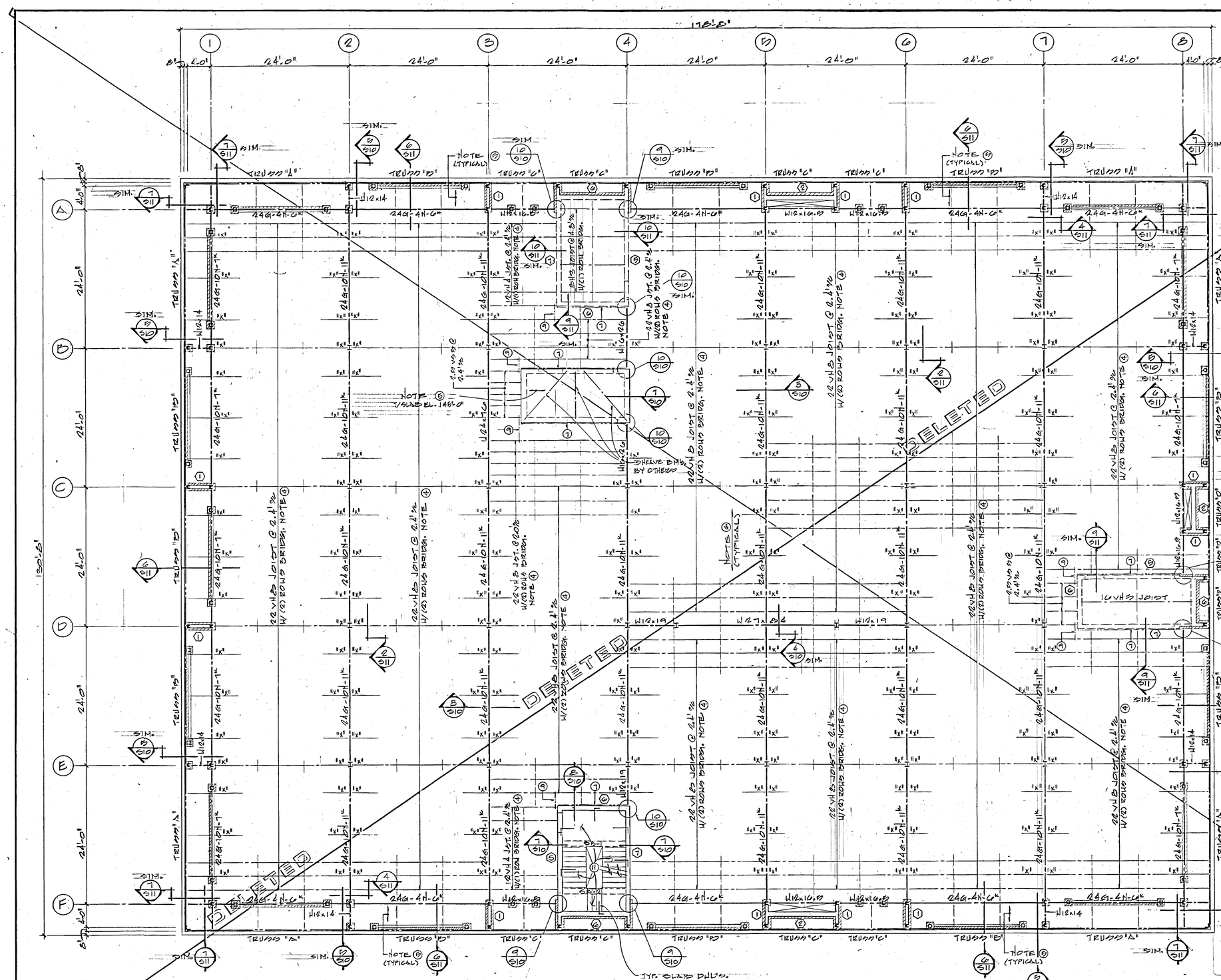
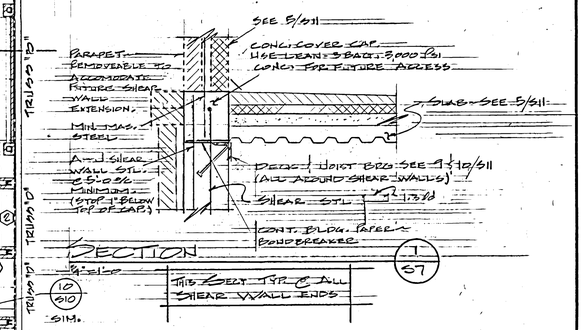
SHEET 49 OF 103 SHEETS



PLAN NOTES:

1. OPEN WEB GIRDERS SHOWN THUS (24G-10N-11K) VULCRAFT
2. EXTEND BOTTOM CHORD OF ALL OPEN WEB GIRDER TO COLUMNS
3. EXTEND BOTTOM CHORD OF JOIST TO SUPPORTS @ ALL PT'S. MK'D "X" ON PLAN (MAX. 7.2' SPACING)
4. ALL JOIST BRIDGING TO BE HORIZ. ∡ 1x1x1/8 TOP & BOTTOM PER S.J.I. SPECIFICATIONS
5. 4" CONC. SLAB OVER 1 1/2" x 20 GAGE GALVANIZED COMPOSITE METAL DECK
   I MIN. = .183"⁴
   S MIN. = .209"³
   REINF. SLAB W/ 1 LAYER 6x6-W1.4xW1.4 MESH (MAX. 3/4" DOWN FROM TOP OF SLAB)
   DECK ATTACHMENTS: 4-3/8"x1" PUDDLE WELDS PER 24" OF DECK @ ALL SUPPORTS; 1 1/2" SEAM WELDS @ 12"% & PERIMETER WELDS PARALLEL TO DECK @ 12"% (TYP. EAST & WEST BALCONY)
6. 1 1/2" x 22 GAGE GALVANIZED COMPOSITE METAL DECK
   I MIN. = .183"⁴
   S MIN. = .209"³
   DECK ATTACHMENT: 4-3/8"x1" PUDDLE WELDS PER 24" OF DECK @ ALL SUPPORTS; 1 1/2" SEAM WELDS @ 12"% & PERIMETER WELDS PARALLEL TO DECK @ 12"%
7. CONT. DECK BRG. ∡ 3x3x1/4 W/ 3/4"Φ x 6 1/4" EXP. ANCHORS @ 24"%
8. ② INDICATES WALL TYPE SEE SCHEDULE SHEET "S-8"
9. PROVIDE ∡ 2 1/2x2 1/2x1/4 (COPE ENDS & F. WELD TO TOP CHORD OF JOIST)
10. FOR VERT. WALL DOWELS, BEND REBAR HORIZ. INTO 2" WIDE x 4" DEEP LEAN CONC. POCKET FOR FUTURE WALL EXPANSION (AS PER DETAIL)
11. TYPICAL CONC. STAIR & LANDING SLAB TO BE 4" THICK W/ #4 @ 12"% EA. WAY



TYP. FLOOR LOADING CRITERIA	
DEAD LOAD	88 PSF
LIVE LOAD	150 PSF
TOTAL LOAD	238 PSF

ALTERNATE #1 - PRESENT ROOF FUTURE 4TH FLOOR PLAN
SCALE: 1/8" = 1'-0"

0000SRS7
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Alt #1 Present Roof Future Fourth Floor - 24279

AS BUILT

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4046
REINHARDT BSUMEK
STATE of UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

ALT. #1 PRESENT ROOF FUTURE 4TH FLR.
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT ID NO SBB NA: 77-069

H. C. HUGHES COMPANY

Revision	Date	Description

DATE 4-5-79
FILE NO. 214
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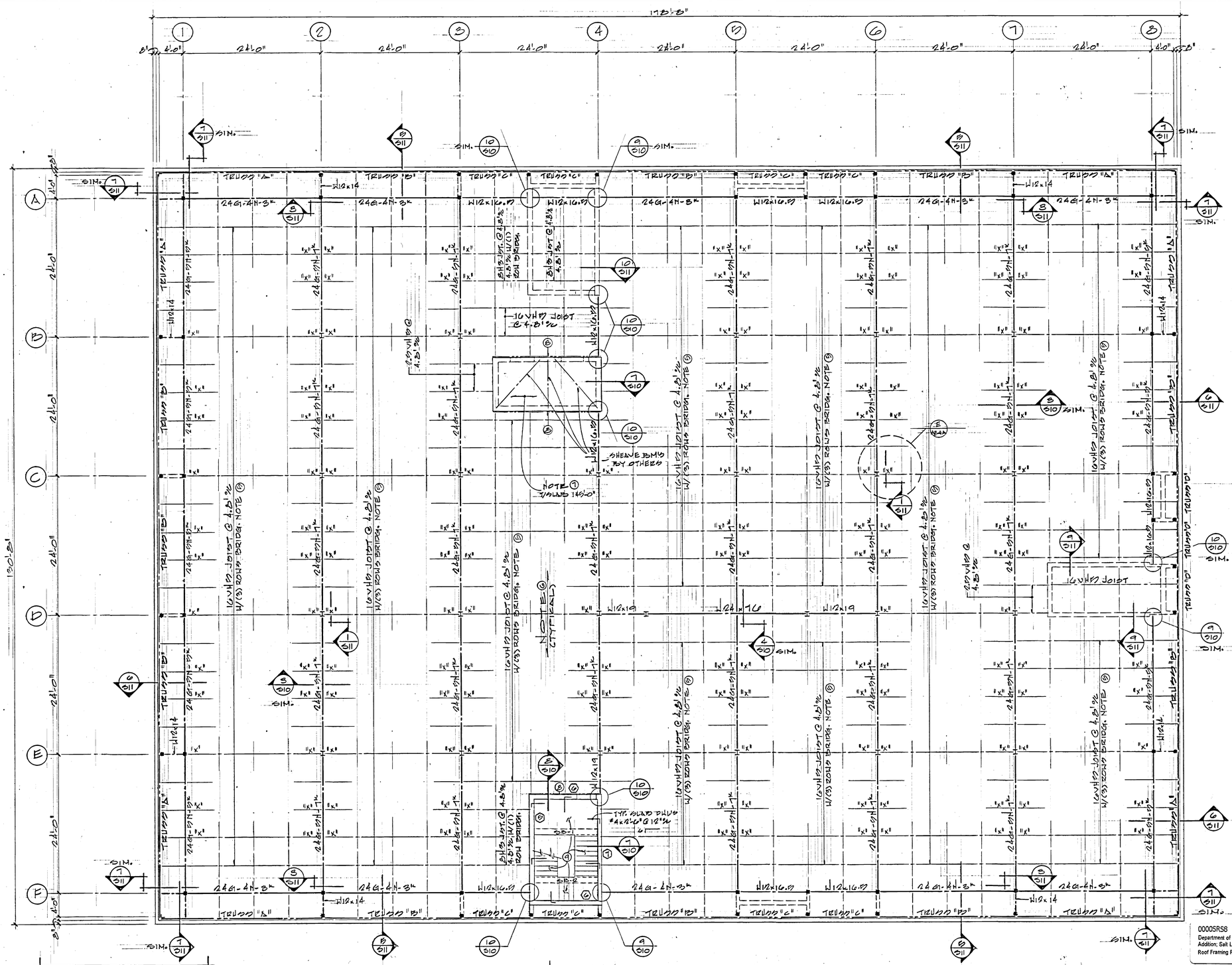
CHECKED BY: SAW

SHEET S7
SHEET 50 OF 103 SHEETS



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

NORTH

PLAN NOTES

① OPEN WEB GIRDERS - SHOWN THUS (24G-9N-1K) VULCRAFT

② EXTEND BOTTOM CHORD OF ALL OPEN WEB GIRDERS TO COLUMNS

③ EXTEND BOTTOM OF JOIST TO SUPPORTS @ ALL PTS. MK'D "X" ON PLAN. (MAX. 9.0' SPACING)

④ ALL FLOOR JOIST BRIDGING TO BE HORIZ. ∡ 1x1x1/8 TOP & BOTTOM PER S.J.I. SPECIFICATIONS

⑤ ALL ROOF JOIST BRIDGING TO BE "X" BRIDG. ∡ 1x1x1/8 PER SPECIFICATIONS

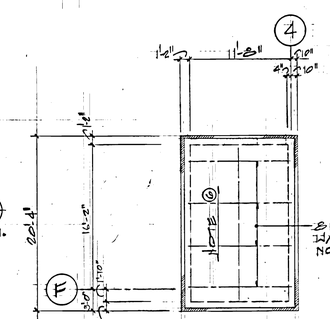
⑥ ROOF DECK TO BE 1 1/2" x 22 GAUGE TYPE "B"

$I_{MIN.} = .189''^4$
$S_{MIN.} = .209''^3$
DECK ATTACHMENT: (4) 3/8" x 1" PUDDLE WELDS PER 24" OF DECK @ ALL SUPPORTS; 1 1/2" SEAM WELDS @ 12" o/c AND 3/8" x 1" PUDDLE WELDS @ SUPPORTS PARALLEL TO DECK (12" o/c)

⑦ 4" CONC. SLAB OVER 1 1/2" x 20 GAUGE GALVANIZED COMPOSITE METAL DECK.
$I = .289''^4$
$S = .271''^3$
REINF. SLAB W/ 1 LAYER 6.0-W1.4 x W1.4 MESH (MAX. 3/4" DOWN FROM TOP OF SLAB)
DECK ATTACHMENTS: (4) 3/8" x 1" PUDDLE WELDS PER 24" OF DECK @ ALL SUPPORTS; 1 1/2" SEAM WELDS @ 12" o/c AND PERIMETER WELDS PARALLEL TO DECK @ 12" o/c

⑧ CONT. DECK BRG. ∡ 3x3x1/4 W/ 3/4" ϕ x 6 1/4" EXP. ANCHORS @ 24" o/c

⑨ TYPICAL CONC. STAIR & LANDING SLABS TO BE 4" THICK W/ #4 @ 12" o/c EA. WAY BOTT.



NOTE: DECK BRG. ELEV. 133'-0"

ROOF FRAMING PLAN
AT STAIR #2
SCALE: 1/8" = 1'-0"

SIEGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

TYP. ROOF LOADING CRITERIA	
DEAD LOAD	30 PSF
LIVE LOAD	30 PSF
TOTAL LOAD	60 PSF

0000SRS8
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Roof Framing Plan - 24280

AS BUILT

H. C. HUGHES COMPANY		
Revision	Date	Description

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4046 REINHARDT BSUMEK STATE of UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

ROOF FRAMING PLAN
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE - SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. 0000-NA-77-069

DATE 4-5-79	SHEET S8
FILE NO. 214	
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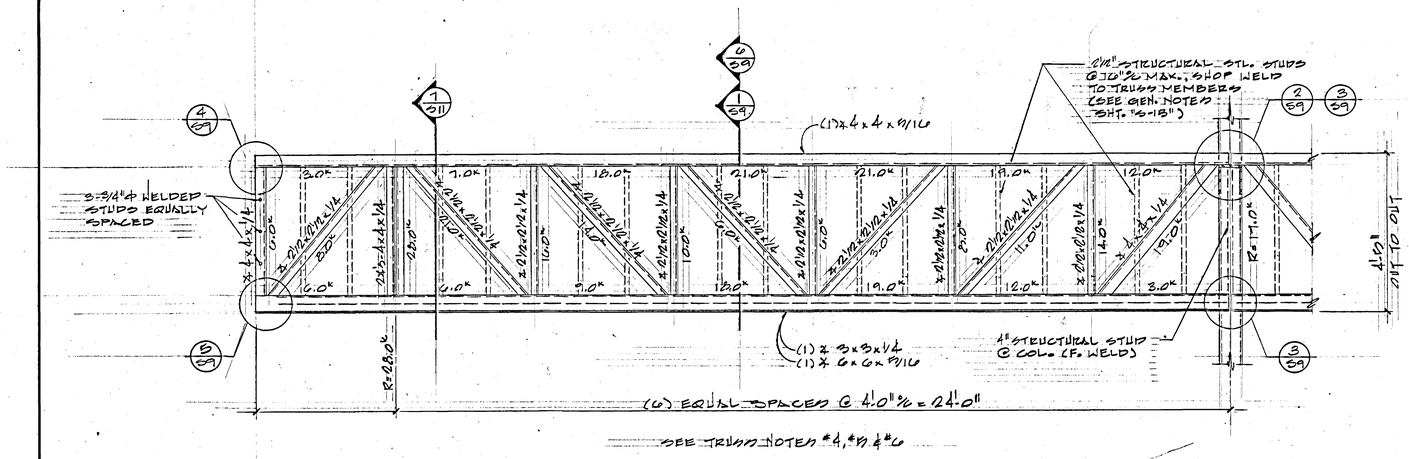
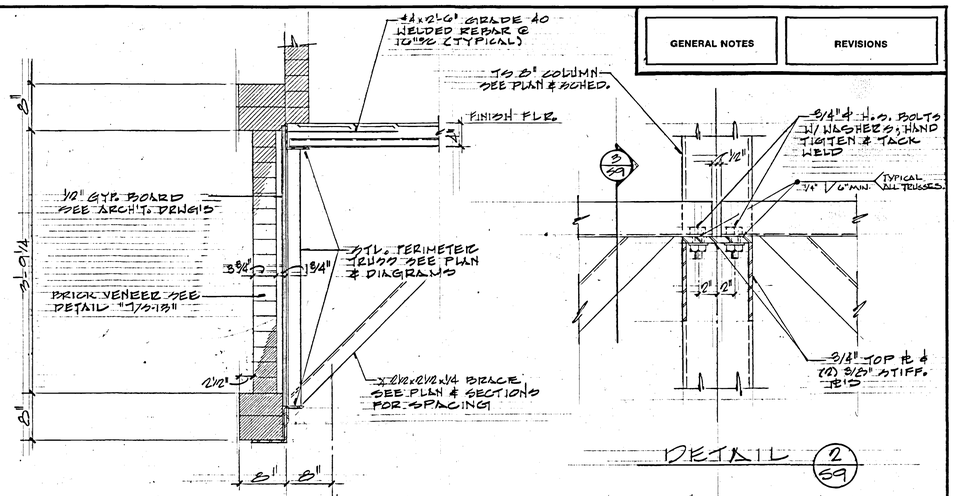
CHECKED BY: SAW	SHEET 51 OF 103 SHEETS

GENERAL NOTES	REVISIONS

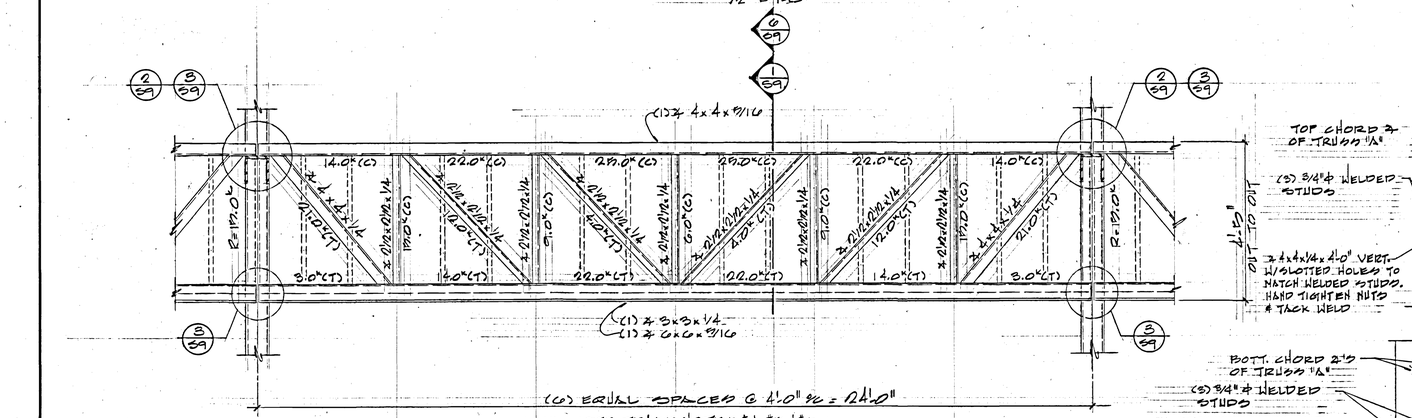


TRUSS "A"
1/2" = 1'-0"

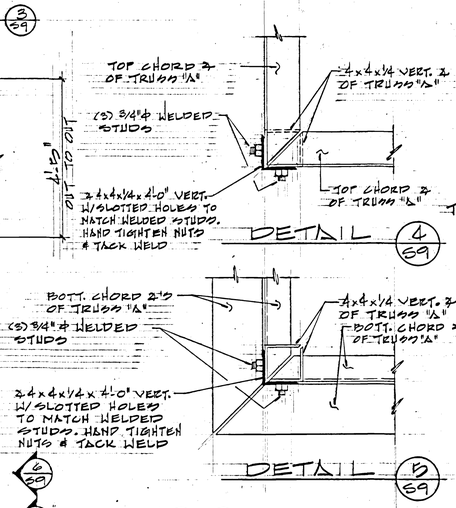


SECTION 1/S9

DETAIL 2/S9

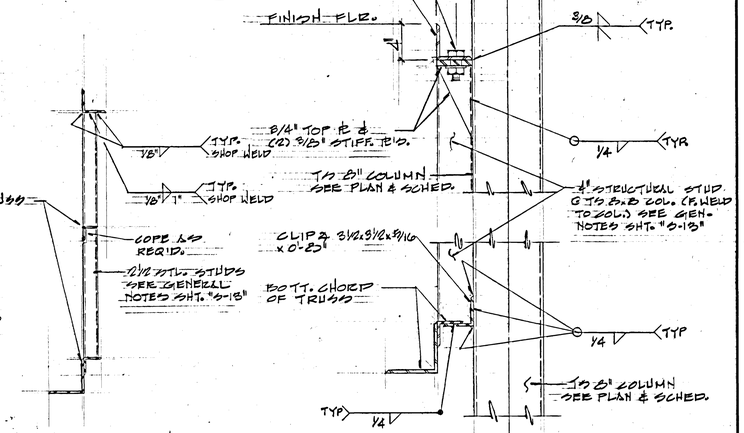


TRUSS "B"
1/2" = 1'-0"



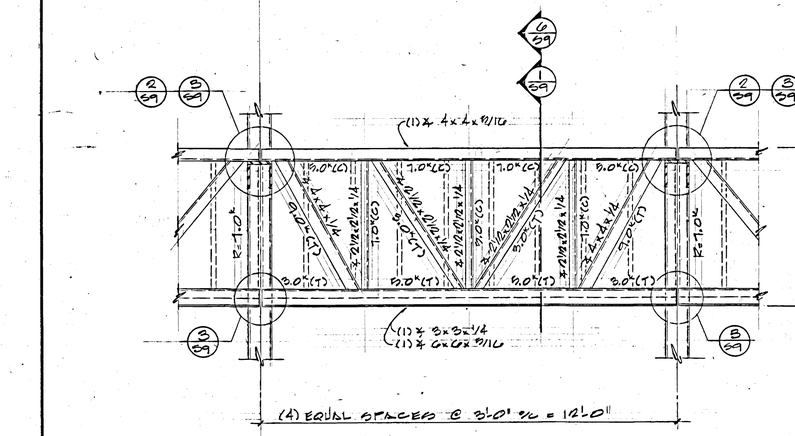
DETAIL 4/S9

DETAIL 5/S9

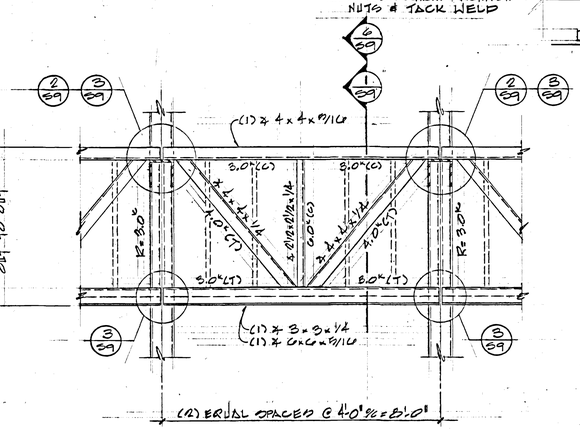


SECTION 6/S9

DETAIL 3/S9



TRUSS "C"
1/2" = 1'-0"



TRUSS "D"
1/2" = 1'-0"

TRUSS NOTES:

1. (T) INDICATES TENSION STRESS
2. (C) INDICATES COMPRESSION STRESS
3. ALL TRUSS MEMBERS TO BE A-36 STEEL, UNLESS OTHERWISE NOTED
4. ALL TRUSS MEMBER CONNECTIONS TO BE FILLET WELDS W/ SUFFICIENT SIZE (3/16" MIN.) & LENGTH TO DEVELOPE STRESSES SHOWN ON TRUSS DIAGRAMS.
5. ALL WELDING TO BE MADE BY CERTIFIED WELDERS USEING "E-70" LOW HYDROGEN SERIES ELECTRODS
6. SHOP & FIELD WELDS SHALL BE "SONIC" TESTED BY TESTING AGENCY HIRED BY OWNER. PRIOR TO APPLYING LOADS, CONTACT ARCHITECT MIN. OF 48 HRS. BEFORE TEST ARE MADE & SUBMIT TEST RESULTS TO ARCHITECT FOR APPROVAL.

00005RS9
Department of Natural Resources, Administration Building
Addition: Salt Lake City - NA: 77-069
Truss Details - 24281

SIGFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

AS BUILT

H. C. HUGHES COMPANY		
Revision	Date	Description

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER No. 4046 REINHARDT BSUMEK STATE of UTAH

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

TRUSS DETAILS
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. No. 5900 NA: 77-069

DATE A-5-79	SHEET S9
FILE NO. 214	
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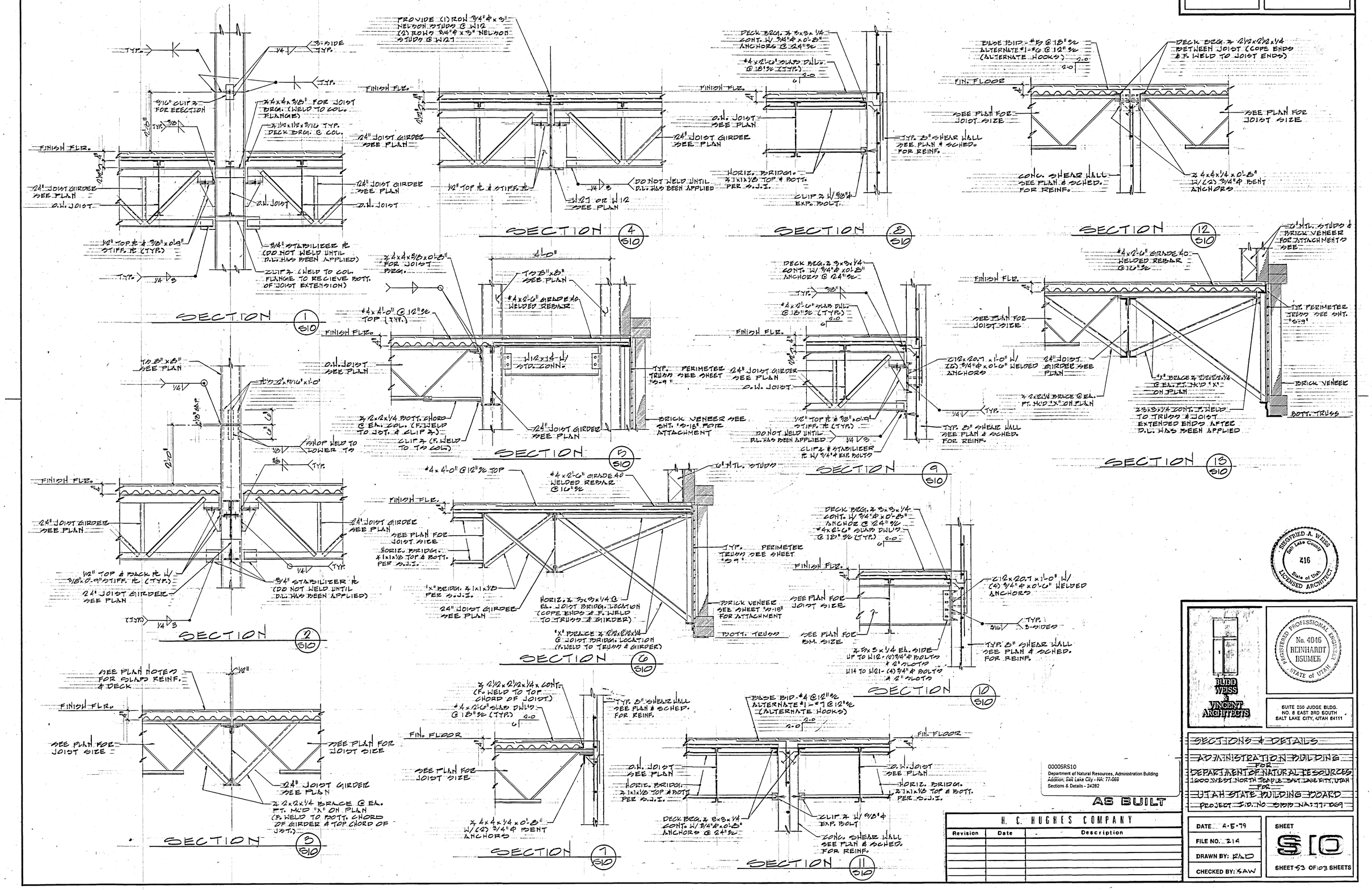
CHECKED BY: SAW	SHEET 52 OF 103 SHEETS

GENERAL NOTES

REVISIONS



GEOFRIED A. WEISS
Salt Lake County
416
State of Utah
LICENSED ARCHITECT

BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
No. 4046
REINHARDT BSUMEK
STATE of UTAH

SUITE 230 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

SECTIONS & DETAILS

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD

PROJECT I.D. NO. 00005RS10 NA: 77-069

00005RS10
Department of Natural Resources, Administration Building Addition, Salt Lake City - NA: 77-069
Sections & Details - 24282

AS BUILT

H. C. HUGHES COMPANY

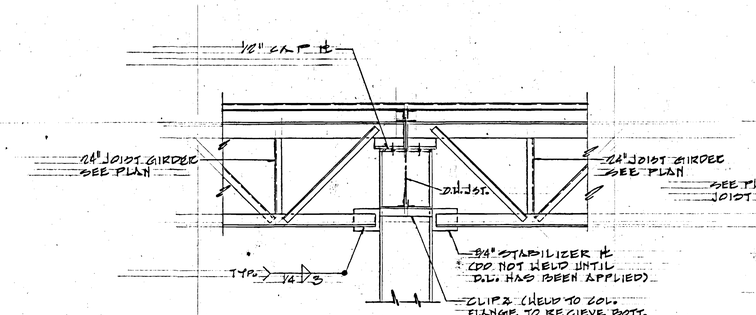
Revision	Date	Description

DATE 4-5-79
FILE NO. 214
DRAWN BY: RAD
CHECKED BY: SAW

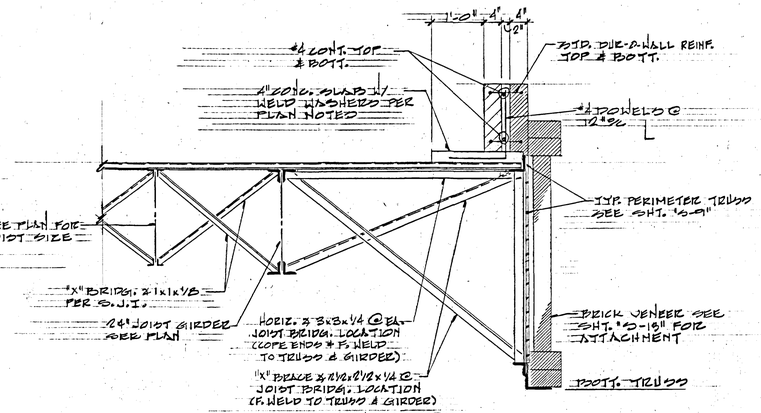
SHEET S10

SHEET 53 OF 103 SHEETS

GENERAL NOTES	REVISIONS



SECTION 1 / S11



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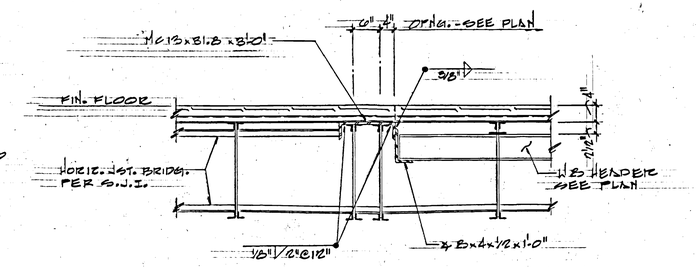
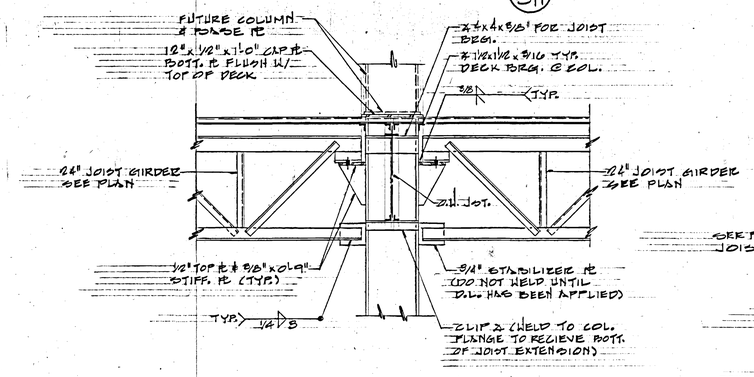


SECTION 8 / S11



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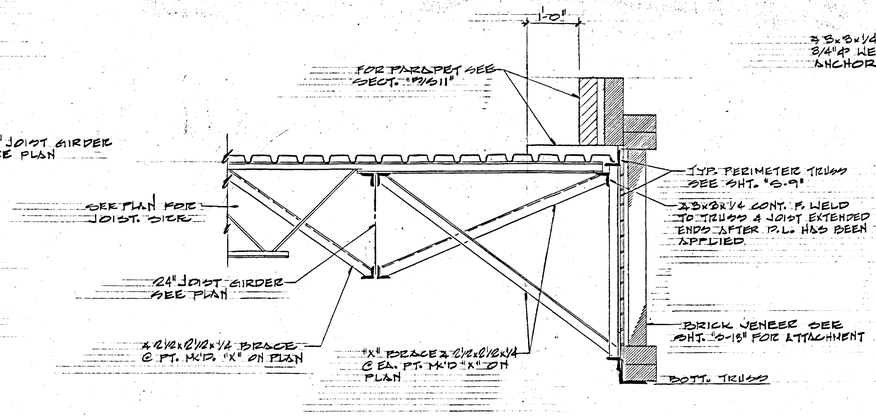

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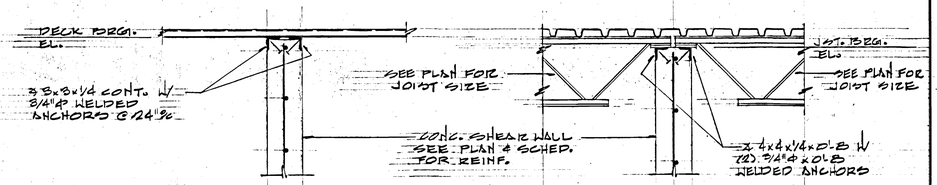
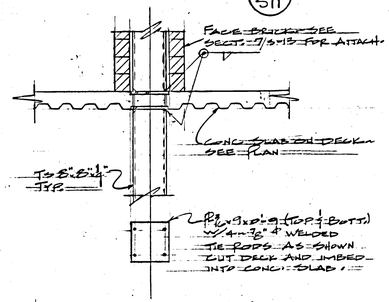
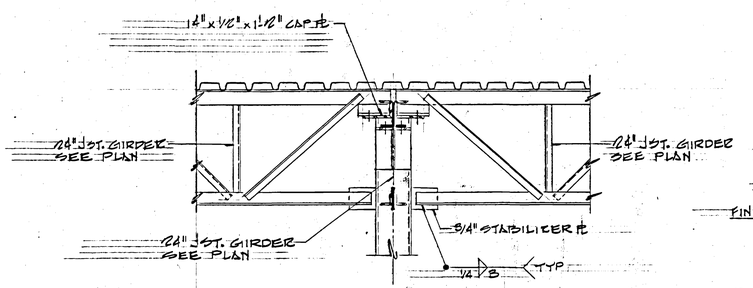


SECTION 9 / S11

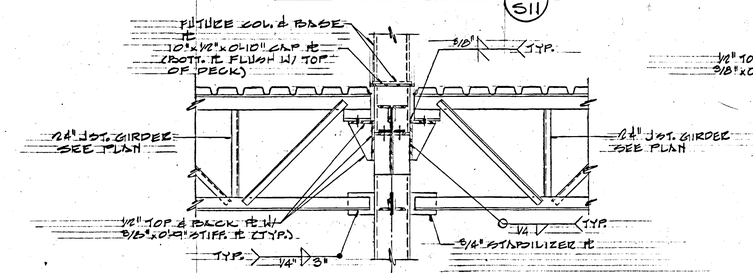
SECTION 10 / S11



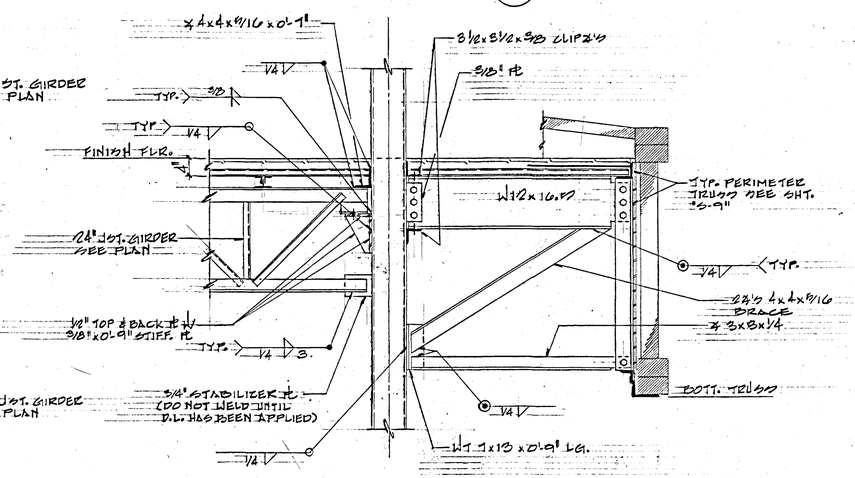
SECTION 11 / S11



SECTION 3 / S11



SECTION 4 / S11



SECTION 7 / S11

SIEGFRIED A. WEISS
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BUDD WEISS & VINCENT ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER
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REINHARDT BSUMEK
STATE OF UTAH

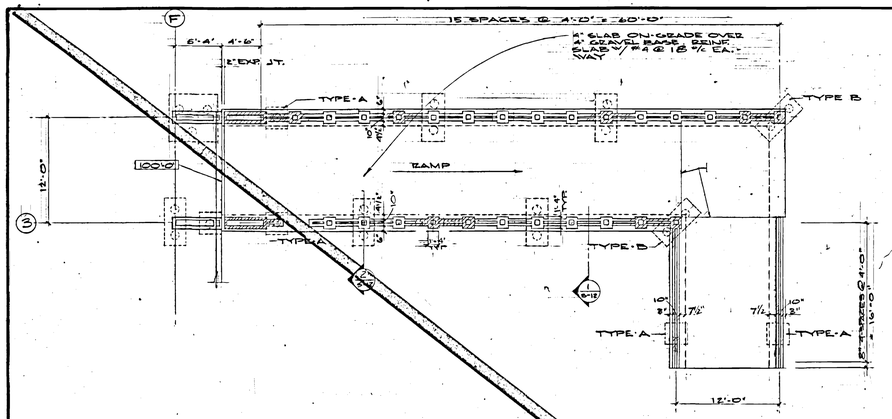
SUITE 830 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

SECTIONS & DETAILS
ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. SPB NA#77-069

DATE 4-5-79	SHEET S11
FILE NO. 214	
DRAWN BY: RAD	
CHECKED BY: BAW	SHEET 54 OF 103 SHEETS

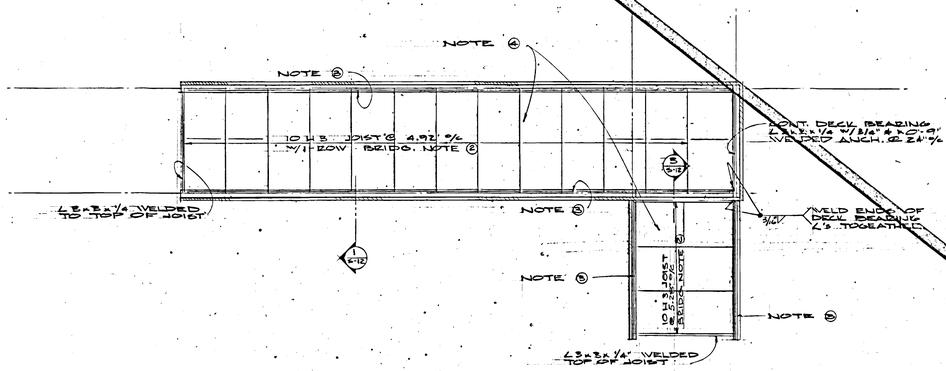
0000SRS11
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Sections & Details - 24283

AS BUILT



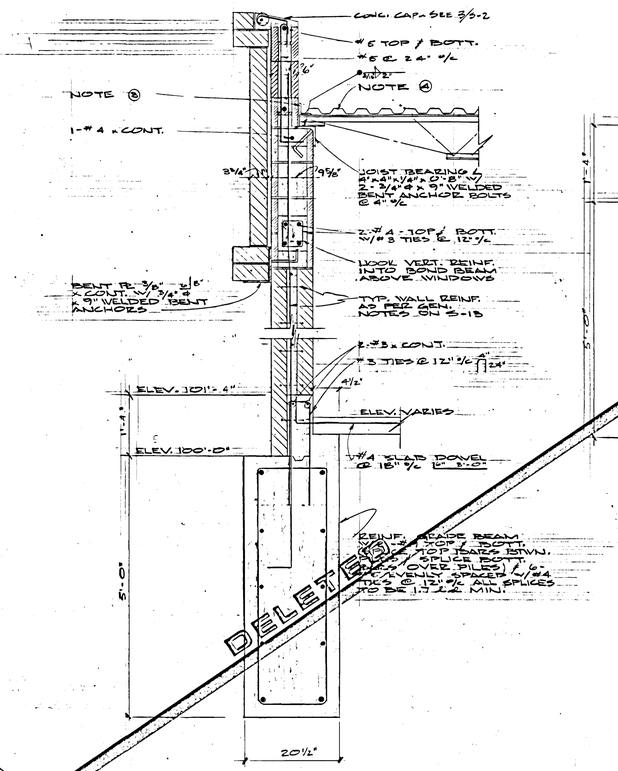
CORRIDOR FOOTING PLAN

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



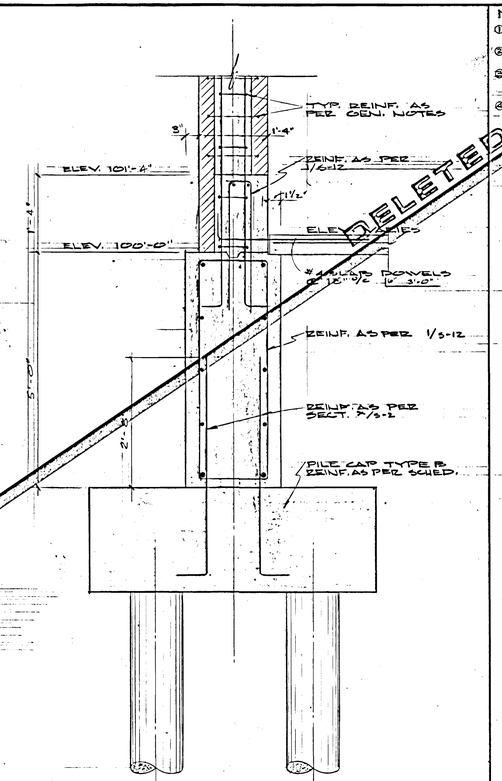
CORRIDOR ROOF FRAMING PLAN

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



SECTION 1/S-12

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

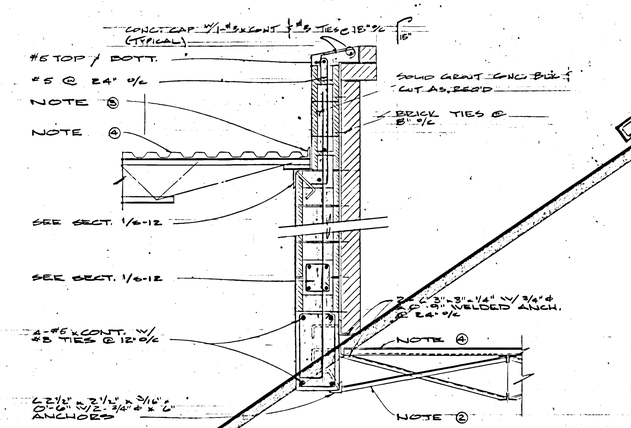


SECTION 2/S-12

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

NOTES

1. DO DENOTES TOP OF SLAB ELEVATION.
2. ALL BRIDGING & ROOF JOISTS TO BE X-BRIDGING L 1½x1½x1/8"
3. CONT. DECK BEARING L2½x2½x¼ WELDED TO TOP OF JOIST.
4. ROOF DECK TO BE 1½" x 22 GA. W/ PROPERTIES EQUAL TO THOSE GIVEN BELOW.
   I MIN. = .183 in⁴
   S MIN. = .209 in³
   DECK ATTACHMENT: 4 3/8" x 1" PUDDLE WELDS PER 24" OF DECK @ ALL SUPPORTS; 1½" BEAM WELDS @ 12" O/C & 3/8" x 1" PUDDLE WELDS @ SUPPORTS PARALLEL TO DECK (12" O/C)



SECTION 3/S-12

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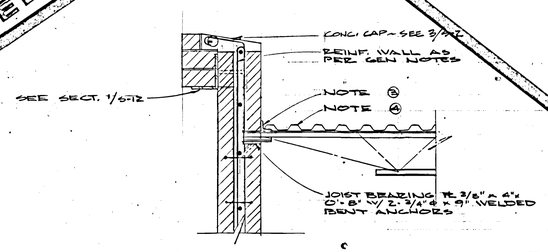

SECTION 4/S-12

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

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ALTERNATE #2

SIEGFRIED A. WEISS
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CORRIDOR FRAMING
ADMINISTRATION BLDG.
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE, S.L.C. UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. NO. 3316-NA-77-069

DATE 4-5-79	SHEET S 12
FILE NO. 214	
DRAWN BY: E. YOUD.	
CHECKED BY: SAW	55 OF 103 SHEETS

0000SRS12
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
Corridor Framing - 24284

"AS BUILT"

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT SITE.
2. THE DETAILS ON THIS SHEET SHALL BE USED WHEREVER APPLICABLE UNLESS OTHERWISE NOTED ON THE DRAWINGS. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
3. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW MOST STRINGENT REQUIREMENT AS DETERMINED BY ARCHITECT AND WITHOUT COST TO OWNER.
4. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE UNIFORM BUILDING CODE UNLESS HIGHER STANDARD IS CALLED FOR.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION IN AND AROUND JOB SITE AND/OR ADJACENT PROPERTIES.
6. OBSERVATION VISITS TO THE SITE BY H. C. HUGHES COMPANY FIELD REPRESENTATIVES SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
7. ALL FILL AND BACK FILL SHALL BE COMPACTED TO MINIMUM OF 95% OF MAXIMUM RELATIVE DENSITY FOR BUILDING CONSTRUCTION AND 90% FOR GENERAL SITE WORK. ALL FILL TO BE COMPACTED BASED ON A.S.T.M. D-1557-70 AT OPTIMUM MOISTURE.
8. ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATION PRIOR TO PLACING OF CONCRETE. SEE ALSO SPECIFICATIONS AND SOIL REPORT.
9. ANY FILL TO BE PLACED UNDER THE BUILDING AND FOOTINGS SHALL BE WITHIN THE LIMITS OF THE FOLLOWING GRADATION; & BE APPROVED BY ARCH.

SIEVE SIZE	PERCENT PASSING
3"	100
1"	60 - 90
No. 4	30 - 60
No. 40	10 - 30
No. 200	5 - 15

10. 4" MINIMUM THICKNESS GRANULAR CUSHION UNDER ALL INTERIOR CONCRETE FLOOR SLABS SHALL BE CLEAN MINERAL AGGREGATE WITH PARTICLES SIZE CONFORMING WITH THE FOLLOWING LIMITS:

PASSING THE 1 INCH SIEVE	100%	THOROUGHLY COMPACTED
PASSING THE NUMBER 4 SIEVE	NONE	

11. THE AREA ON WHICH THE FILL IS PLACED MUST BE FROST-FREE. THE FILL SHALL THEN BE PLACED IN LAYERS NOT TO EXCEED 6 INCHES IN DEPTH AND COMPACTED. ALL FILL SHALL BE COMPACTED TO A DENSITY OF 95% AS PER A.S.T.M. D-1557-70. EXTERIOR BACK FILL SHALL BE COMPACTED TO A DENSITY OF 90% AS PER A.S.T.M. D-1557-70.
12. ALL BEARING EARTH TO BE UNDISTURBED EARTH OR COMPACTED TO 95% MAXIMUM RELATIVE DENSITY BASED ON A.S.T.M. D-1557-70. SEE ALSO SOILS REPORT AS PREPARED BY PITTSBURGH TESTING LABORATORY #2995 DATED APRIL 1978.

CONCRETE AND REINFORCING

1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AFTER 28 DAYS UNLESS OTHERWISE NOTED. ALL CONCRETE PILES, PILE CAPS & SUSPENDED CONCRETE SLABS SHALL HAVE COMPRESSIVE STRENGTH OF 3,000 PSI. ALL EXTERIOR CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AFTER 28 DAYS. USE MIN. OF 6 BAGS OF CEMENT PER CU. YD. FOR 4,000 PSI CONCRETE. USE MIN. OF 5½ BAGS OF CEMENT PER CU. YD. FOR 3,000 PSI CONCRETE. USE HIGHER STRENGTH CONCRETE WHERE CALLED OUT ON DRAWINGS. (SEE SHT. S-3)
2. HARD ROCK AGGREGATES SHALL CONFORM TO A.S.T.M. C-33. THEIR MAXIMUM SIZE SHALL BE AS PER SPECIFICATIONS.
3. A STATEMENT OF PROPOSED MIX DESIGN FOR APPROVAL SHALL BE MADE FOR ALL CONCRETE.
THE AVERAGE TRIAL BATCH STRENGTH SHALL EXCEED THE SPECIFIED STRENGTH F'c, BY 15%. COPIES OF THE MIX DESIGN SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL BEFORE USE.
4. ONLY ONE GRADE OF CONCRETE SHALL BE POURED ON THE JOB AT ONE TIME.
5. ALL REINFORCEMENT BARS SHALL BE SECURELY ANCHORED TO THE FORMS AND SPACED FROM THEM AS FOLLOWS:
   A. POURED AGAINST EARTH -- 3 INCHES
   B. WALLS -- EXPOSED TO EARTH, BUT POURED AGAINST FORMS -- 2 INCHES
   #5 BARS AND LESS -- 1½ INCHES
   C. BEAMS AND COLUMNS -- 1½ INCHES
   D. SLABS -- 3/4 INCHES
6. ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO A. S. T. M. A-615 GRADE 60 UNLESS OTHERWISE NOTED. PLACEMENT OF BARS IN ACCORDANCE WITH A.C.I. 315 AND A.C.I. 318. ALL REBARS WELDED TO STRUCTURAL STEEL SHALL BE GRADE 40 UNLESS OTHERWISE NOTED. (PRIME WELDS W/ "GALVANOX".
7. UNLESS OTHERWISE NOTED ALL REINFORCING SHOWN CONTINUOUS SHALL BE LAPPED 30 DIAMETERS AT SPLICES AND SHALL BE MADE AWAY FROM POINTS OF MAXIMUM STRESS. MINIMUM LAP SHALL BE 1'-6" LONG. LAP 40 DIAMETERS AT SPLICES TO MASONRY WALL REBARS.
8. BEFORE CONCRETE IS POURED, CHECK WITH ALL TRADES TO INSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVE, CURBS, CONDUITS, BOLTS INSERTS, ETC. RELATING TO WORK.
9. ALL SLEEVES NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL BE LOCATED BY THE TRADES INVOLVED AND SHALL BE APPROVED BY THE ARCHITECT.
10. DRYPACK CONCRETE SHALL BE ONE PART PORTLAND CEMENT AND ONE PART SAND WITH SUFFICIENT WATER TO ALLOW A SMALL AMOUNT OF PASTE TO COME TO THE SURFACE. USE FOR GROUTING BEAMS AND JOIST POCKETS ONLY. FOR STEEL COLUMN BASE PLATE GROUTING SEE SPECIFICATIONS.
11. MIX THAT PRODUCES LOWEST SLUMP COMPATIBLE WITH PROPER PLACEMENT SHALL BE USED. (4" MAXIMUM SLUMP UNLESS OTHERWISE APPROVED BY STRUCTURAL ENGINEER) USE 3" MAX. SLUMP FOR ALL SLABS ON GRADE.
12. UNLESS OTHERWISE NOTED REINFORCE CONCRETE WALLS.
   6" WALL #4 @ 12 HORIZONTAL #4 @ 12 VERTICAL -- IN CENTER OF WALL
   8" WALL #5 @ 12 HORIZONTAL #5 @ 12 VERTICAL -- IN CENTER OF WALL
   10" TO 13" WALL #4 @ 12 O.C. HORIZONTAL #4 @ 12 VERTICAL EACH FACE
   IN ADDITION TO ABOVE REINFORCEMENT PROVIDE 2 #6 CONTINUOUS TOP AND BOTTOM FOR ALL WALLS LESS THAN 36" IN HEIGHT.

ALL DOWELS SHALL HAVE AT LEAST 30 BAR Ø EMBEDMENT. PROVIDE CORNER BARS AT ALL INTERSECTING CORNERS. USE SAME SIZE BAR AND SPACING AS HORIZONTAL WALL REINFORCING.

13. UNLESS OTHERWISE NOTED, ALL SLABS ON GRADE TO BE A MINIMUM OF 4" THICK AND REINFORCED WITH 6 x 6 W1.4 x W1.4 WELDED WIRE MESH. STOP REINFORCING AT CONSTRUCTION JOINTS.
14. CONCRETE STRUCTURAL MEMBERS SHALL NOT BE STRIPPED OF FORMS UNTIL CONCRETE HAS REACHED ITS DESIGN STRENGTH.
15. PROVIDE A CONTINUOUS 2" x 4" KEY IN ALL WALL FOOTINGS.
16. ADD 2 - #5 BARS @ ALL WALL ENDS AND AROUND ALL OPENINGS (UNLESS OTHERWISE NOTED). AND EXTEND 24" BE OND CORNER OF OPENING. ADD ALSO 2 - #5 x 4'-0 DIAGONALLY AT CORNERS.
17. EXPOSED TO VIEW CONCRETE SHALL HAVE 3/4" DEEP "V" GROOVE PLACED VERTICALLY @ 8'- 0 O.C. MAXIMUM SPACING, OR AS DIRECTED BY ARCHITECT.
18. FORMS AND SCREEDS FOR CONCRETE BEAMS 15'-0" SPAN AND OVER AND FOR SLABS 10'-0" SPAN AND OVER SHALL BE CAMBERED 1/8" PER TEN FEET OF SPAN.

MASONRY

1. ALL MASONRY WALLS SHALL BE PLACED IN LENGTHS TO PERMIT MAXIMUM 4'-0 LIFTS AS PER UBC SECTION 2415 (b) AND SHALL BE CONSTRUCTED OF GRADE N1 A.S.T.M. C-90 - 75 BLOCK. SEE SPECIFICATIONS FOR BRICK.
2. ALL MORTAR SHALL BE TYPE "S" USING PORTLAND CEMENT (SECTION 2403) UNIFORM BUILDING CODE.
3. UNLESS OTHERWISE SPECIFIED ON DRAWINGS, ALL WALLS SHALL BE REINFORCED AS FOLLOWS:
   #6 & 8" WALLS #5 HORIZONTAL @ 48" & #5 VERTICAL @ 24" O.C.
   10" TO 12" MULTI WYTHE WALLS #4 HORIZONTAL @ 12 O.C. & #4 VERTICAL @ 12" O.C. 9 GAGE TRUSS TYPE JOINT REINFORCING @ 8" O.C. STAGGER END JOINTS AT LEAST 2'-0".
   ALL REINFORCED CELLS SHALL BE GROUTED AS PER NOTE #5 BELOW.
4. LAP ALL MASONRY REINFORCING 40 BAR DIAMETERS. ALL VERTICAL REINFORCING SHALL BE DOWELED (SAME SIZE AND SPACING AS VERTICAL BARS) TO FOUNDATION WALL OR FOOTING BELOW. HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS AT ALL INTERSECTING WALLS AND AT CORNERS.
5. ALL GROUTED CELLS SHALL BE FULLY GROUTED USING 2,000 PSI COMPRESSIVE STRENGTH MIX. USE 7 BAG MIX MINIMUM. SLUMP TO BE 10" MINIMUM. DO NOT USE ANY CONCRETE ADDITIVES.
6. VERTICAL BARS MATCHING WALL SIZE SHALL BE PLACED AT CORNERS, AT ENDS OF WALL AND AT JAMBS OF ALL OPENINGS EXCEEDING 24".
7. UNLESS OTHERWISE NOTED REINFORCE THE HEAD SECTION OF ALL OPENINGS EXCEEDING 18" WITH 2 - #6 BARS PLACED IN HORIZONTAL BOND BEAM UNIT. FOR OPENINGS 6'-0 AND 8'-0 USE 2-#6 BARS AND GROUT AT LEAST 2 COURSES ABOVE OPENING FULL WITH CONCRETE GROUT.
8. ALL ANCHOR BOLTS MUST BE PLACED IN GROUTED CELLS.
9. ALL HORIZONTAL WALL REINFORCING SHALL BE WELDED TO STEEL COLUMNS. PERFORM WELDABILITY TEST OF GRADE 60 STEEL. SUBMIT CHEMICAL ANALYSIS OF REBAR AND MATCHED ELECTRODES TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
10. FOR BRICK TIES SEE SECTION 1/S9

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL COMPLY WITH THE A.I.S.C. "STANDARD SPECIFICATIONS" FOR STRUCTURAL STEEL FOR BUILDINGS AND WITH THE A.I.S.C. "CODE OF STANDARD PRACTICE." SEE SPECIFICATION SECTION 5A1-3 FOR A.S.T.M. DESIGNATIONS USED ON THIS PROJECT.
2. ALL WELDING TO BE MADE BY CERTIFIED WELDERS USING E-70 LOW HYDROGEN SERIES ELECTRODES. (SEE SPEC'S.) WELDER SHALL HAVE BEEN QUALIFIED WITHIN THE PAST SIX MONTHS.
3. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL TO STEEL CONNECTIONS SHALL USE 3/4" DIAMETER HIGH STRENGTH BOLTS CONFORMING TO A.S.T.M. A-325 (N) AND SHALL HAVE CARBONIZED WASHERS UNDER TURNING UNIT. ALL OTHER BOLTS SHALL CONFORM TO A.S.T.M. A-307. ALL A-325 BOLTS SHALL BE TIGHTENED BY "CALIBRATED WRENCH" METHOD AS PER LATEST EDITION OF A.I.S.C.
4. ALL STEEL JOISTS SHALL MEET REQUIREMENTS OF LATEST EDITION OF STEEL JOIST INSTITUTE. SEE DRAWINGS FOR SIZES.
5. ALL METAL DECK SHALL MEET REQUIREMENTS OF STEEL DECK INSTITUTE FOR WIDE RIB DECK. SEE DRAWINGS FOR TYPES OF DECK.
6. TRUSS MANUFACTURER SHALL SUBMIT CALCULATIONS ON ALL OPEN WEB GIRDERS FOR APPROVAL, BEFORE FABRICATION.
7. STRUCTURAL STEEL STUDS SHALL BE AS SPECIFIED IN THIS NOTE AND SHOWN ON DRAWINGS WITH MINIMUM PROPERTIES

STUD SIZE	AREA ($In.^2$)	Ixx ($In.^4$)
2½"	.26	.31
3 and 5/8"	.30	.73
4"	.32	.93
6"	.44	2.50

ALL STUDS @ 16" O.C. TO BE 1 and 5/8" x 16 GAGE STANDARD PAINTED STEEL "C" STUDS AND SHALL COMPLY WITH A.S.T.M. A-570-75 GRADE E (F_y = 50,000 PSI)

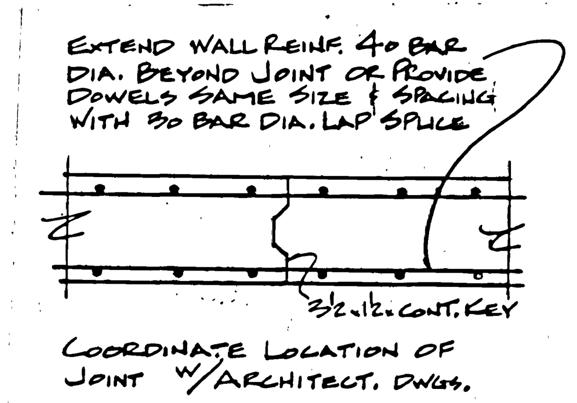
ALL BRIDGING TO BE STUD SIZE MINUS 3/16" by 1 and 3/32" by 16 GAGE AND SHALL BE SPACED AT 5'-0" O.C. UNLESS OTHERWISE NOTED. SEE DETAILS FOR ATTACHMENT.

ALL TRACK TO BE STUD SIZE PLUS 3/16" BY 1 and 5/16" BY 16 GAGE STANDARD PAINTING. ATTACH STUDS TO CONCRETE SLAB @ 24" O.C. USING 5/16" DIAMETER POWER DRIVEN FASTENERS. FIELD WELD ALL STUDS TO TRACK AS SHOWN IN DETAILS THIS SHEET. TRACKS AND BRIDGING TO HAVE F_y = 33,000 PSI.

SPOT PAINT ALL WELDS. SEE STRUCTURAL STEEL SPECIFICATIONS.

ALL SPLICES OF STRUCTURAL STUDS TO BE FULL STRENGTH. ALTERNATE ALL SPLICES 24" MINIMUM.

(SEE 10, 11 & 12/S-13)



TYP. VERT CONST. JOINT FOR CONC WALLS (1/S13)
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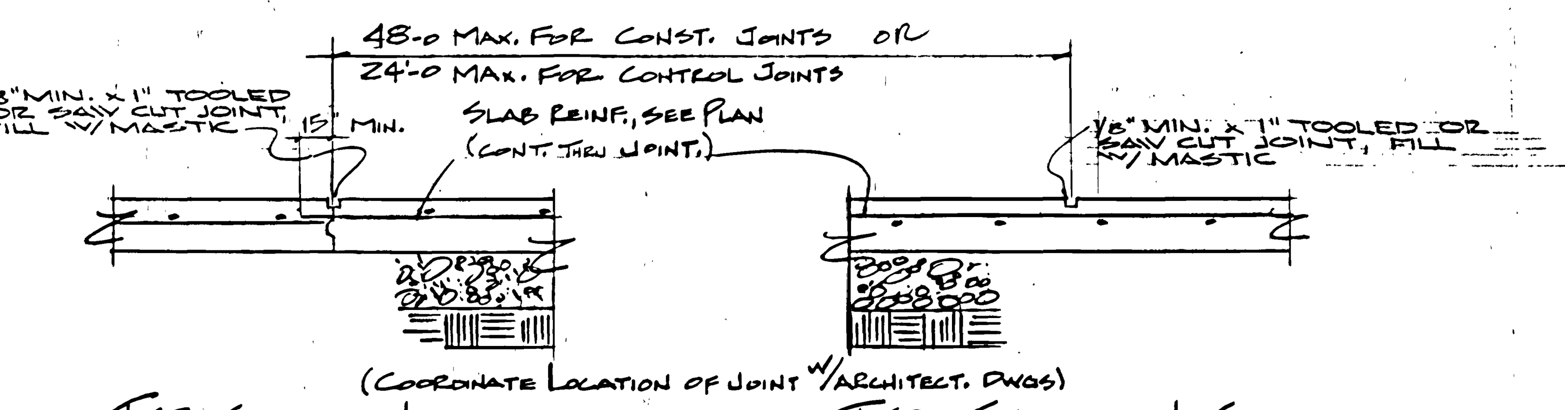

TYP. SLAB-ON-GRADE CONST. JOINT (2/S13)
NO SCALE:

TYP. SLAB-ON-GRADE CONTROL JOINT (3/S13)
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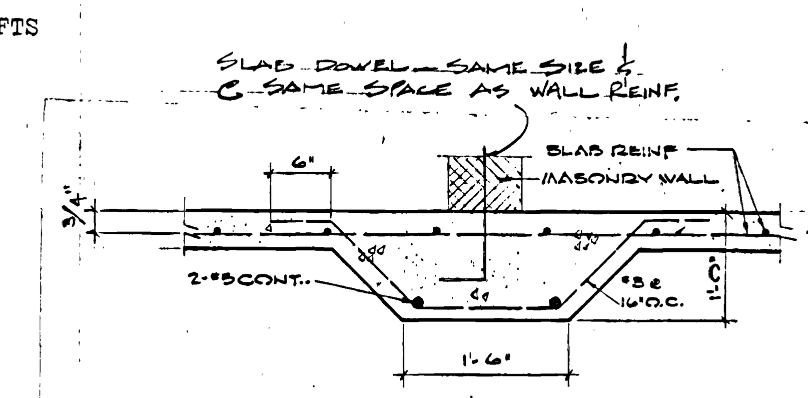
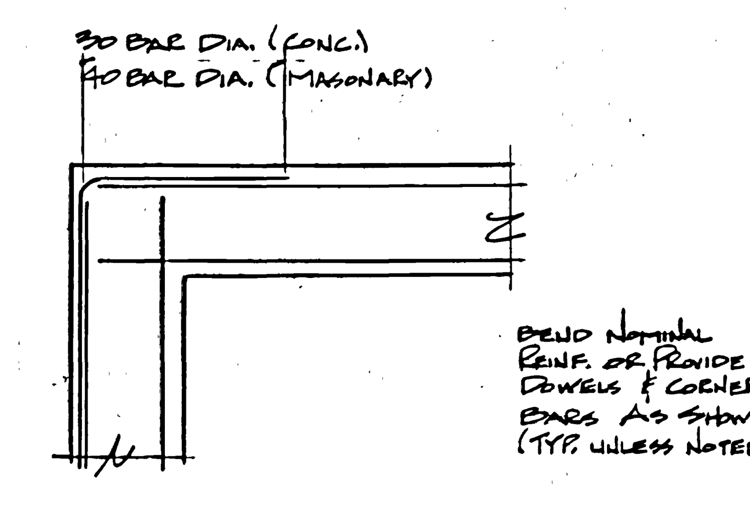


TYPICAL THICKENED SLAB (4/S13)



TYP. WALL CORNER (5/S13)
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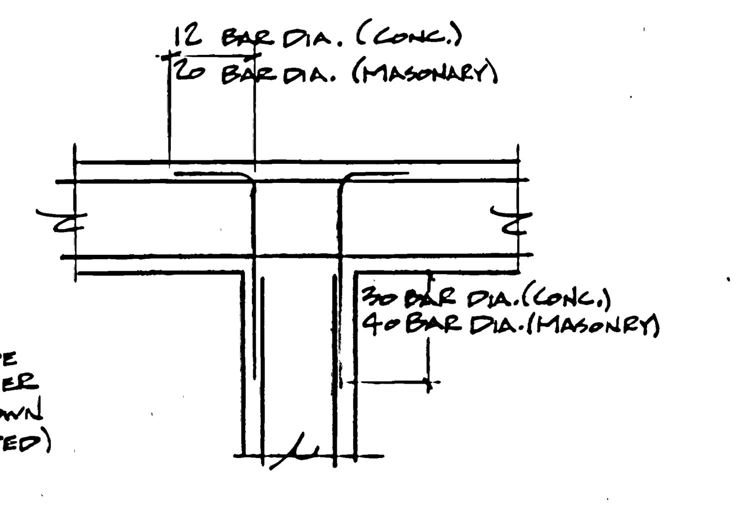

TYP. WALL INTERSECTION (6/S13)
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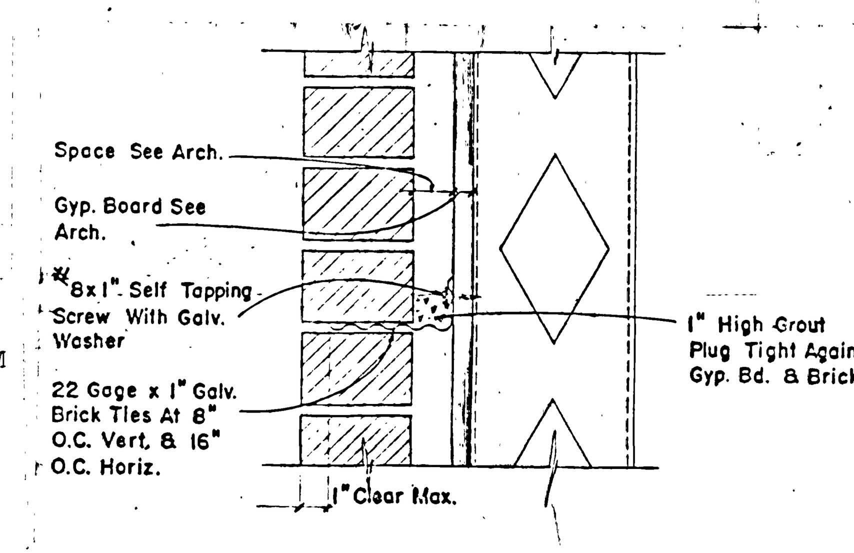
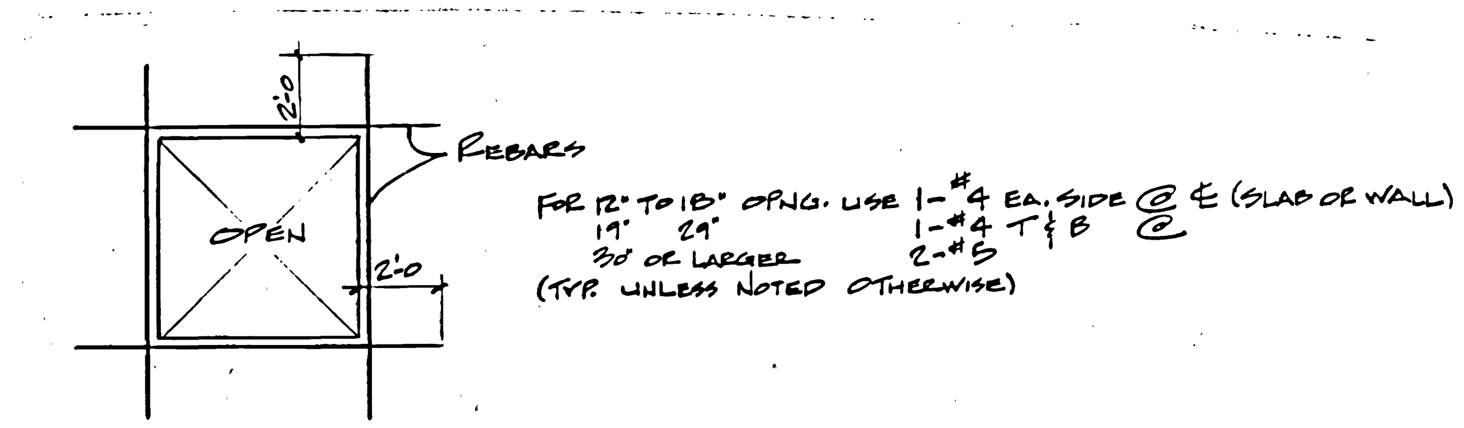
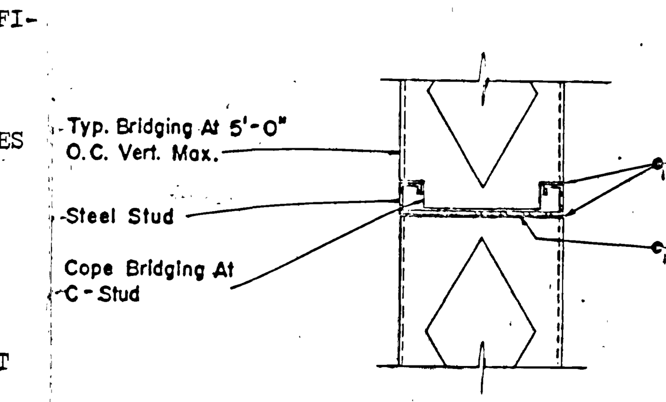


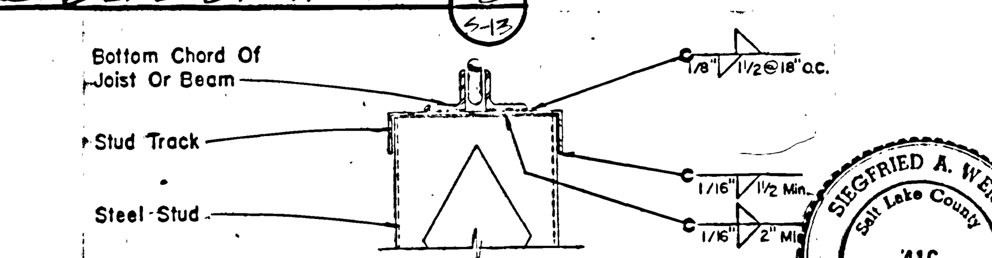
BRICK TIE TO STEEL STUD ATTACHMENT (7/S13)
N.T.S.



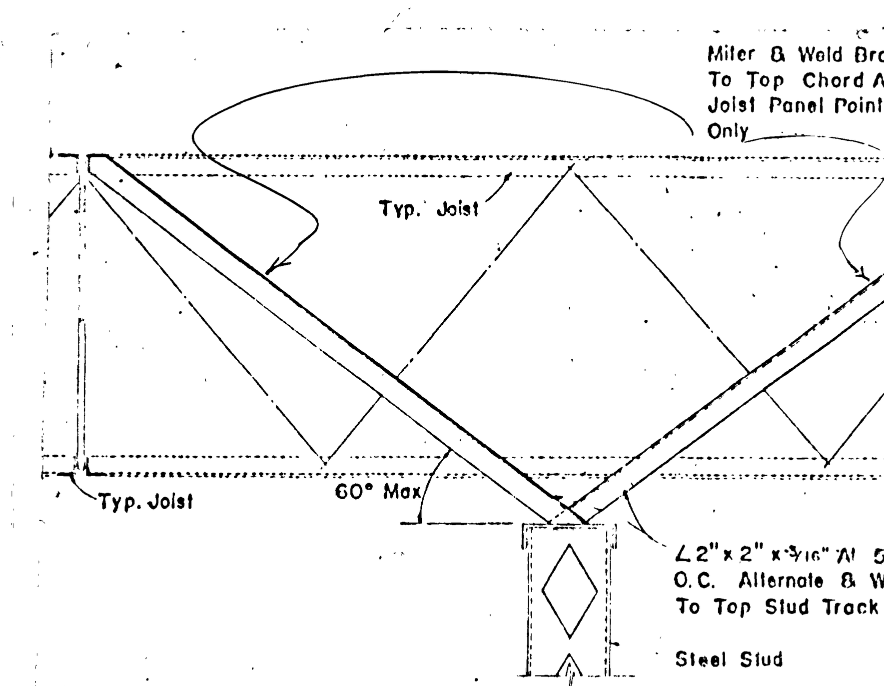
TYP. OPENING IN CONC. SLAB OR WALL (8/S-13)
NO SCALE!



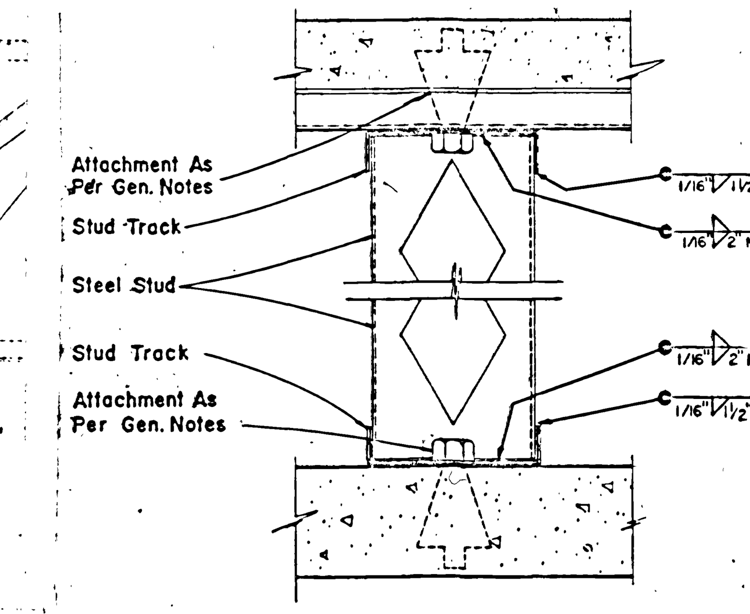
TYP. BRIDGING DETAIL (9/S-13)
N.T.S.



STEEL STUD TO JOIST CONNECTION (10/S-13)
N.T.S.



TYP. ANCHORAGE OF NON-BEARING WALL TO JOIST (11/S-13)
N.T.S.



STEEL STUD TO DECK CONNECTION (12/S-13)
N.T.S.

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Salt Lake County
416
State of Utah
LICENSED ARCHITECT

AS BUILT

0000SRS13
Department of Natural Resources, Administration Building Addition; Salt Lake City - NA: 77-069
General Notes & Typ. Details - 24285

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GENERAL NOTES & TYP. DETAILS
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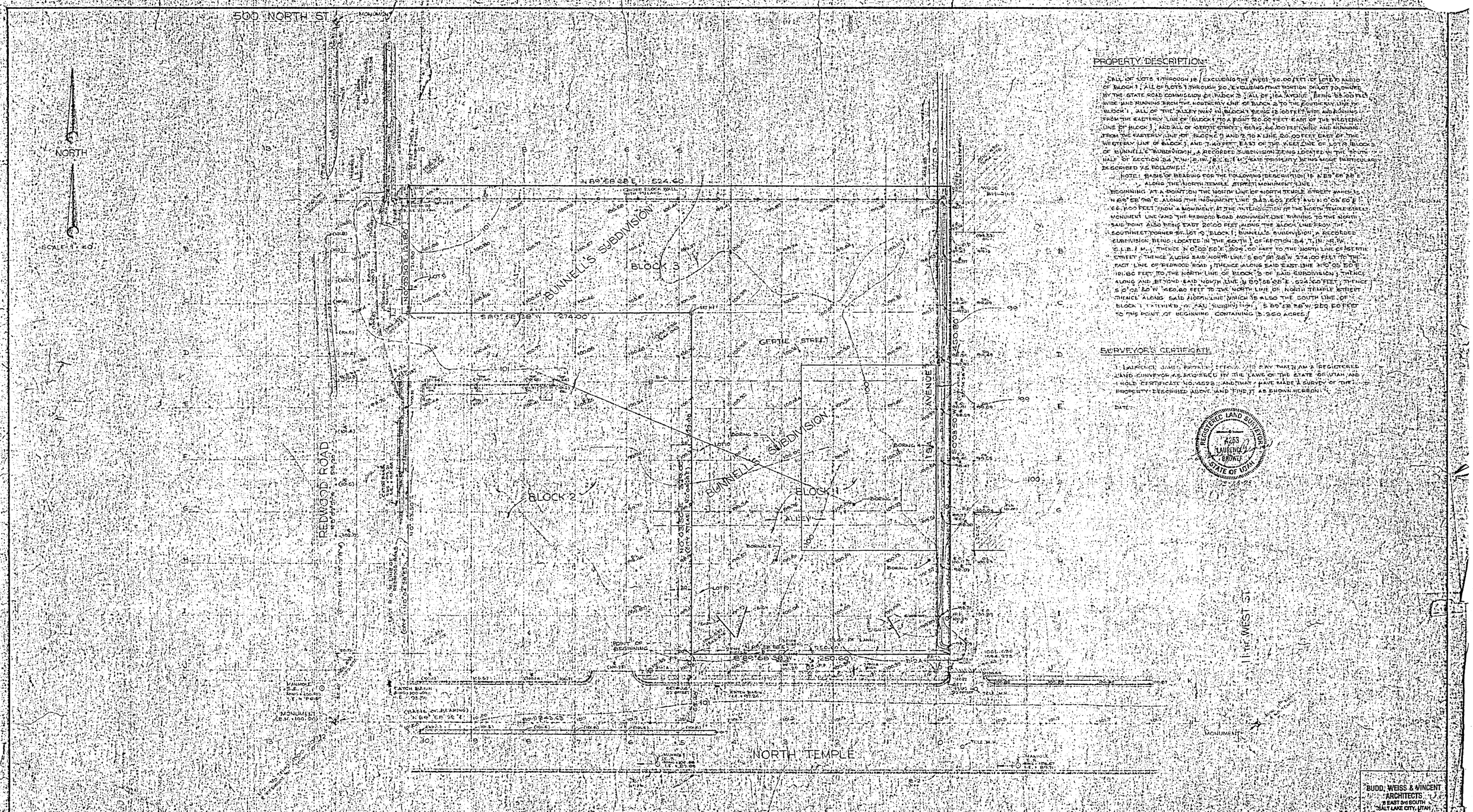
CHECKED BY: SAW	SHEET 56 OF 103 SHEETS

GENERAL NOTES | REVISIONS



PROPERTY DESCRIPTION:

ALL OF LOTS 1 THROUGH 18, EXCLUDING THE W(50) 20.00 FEET OF LOTS 10 AND 11 OF BLOCK 1; ALL OF LOTS 3 THROUGH 20, EXCLUDING THAT PORTION OF LOT 20 OWNED BY THE STATE ROAD COMMISSION OF UTAH; ALL OF 11TH AVENUE, BEING 66.00 FEET WIDE AND RUNNING FROM THE NORTHERLY LINE OF BLOCK 2 TO THE SOUTHERLY LINE OF BLOCK 1; ALL OF THE ALLEY WAY IN BLOCK 1 BEING 16.00 FEET WIDE AND RUNNING FROM THE EASTERLY LINE OF BLOCK 1 TO A POINT 20.00 FEET EAST OF THE WESTERLY LINE OF BLOCK 1; AND ALL OF GERTIE STREET, BEING 66.00 FEET WIDE AND RUNNING FROM THE EASTERLY LINE OF BLOCKS 1 AND 2 TO A LINE 20.00 FEET EAST OF THE WESTERLY LINE OF BLOCK 1, AND 7.40 FEET EAST OF THE WEST LINE OF LOT 8 BLOCK 3 OF BUNNELL'S SUBDIVISION, A RECORDED SUBDIVISION BEING LOCATED IN THE SOUTH HALF OF SECTION 24 T.1N. R.1W. S.L.B.&M. SAID TRACT BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

NOTE: BASIS OF BEARING FOR THE FOLLOWING DESCRIPTION IS N89°58'28"E ALONG THE NORTH TEMPLE STREET MONUMENT LINE.

BEGINNING AT A POINT ON THE NORTH LINE OF NORTH TEMPLE STREET WHICH IS N89°58'28"E ALONG THE MONUMENT LINE 243.605 FEET AND N0°05'50"E 66.100 FEET FROM A MONUMENT AT THE INTERSECTION OF THE NORTH TEMPLE STREET MONUMENT LINE AND THE REDWOOD ROAD MONUMENT LINE RUNNING TO THE NORTH; SAID POINT ALSO BEING EAST 20.00 FEET ALONG THE BLOCK LINE FROM THE SOUTHWEST CORNER OF LOT 9 BLOCK 1 BUNNELL'S SUBDIVISION, A RECORDED SUBDIVISION BEING LOCATED IN THE SOUTH 1/2 OF SECTION 24 T.1N. R.1W. S.L.B.&M.; THENCE N0°05'50"E 324.00 FEET TO THE NORTH LINE OF GERTIE STREET; THENCE ALONG SAID NORTH LINE S89°58'28"W 274.00 FEET TO THE EAST LINE OF REDWOOD ROAD; THENCE ALONG SAID EAST LINE N0°05'50"E 181.80 FEET TO THE NORTH LINE OF BLOCK 3 OF SAID SUBDIVISION; THENCE ALONG AND BEYOND SAID NORTH LINE N89°58'28"E 324.00 FEET; THENCE S0°05'50"W 160.80 FEET TO THE NORTH LINE OF NORTH TEMPLE STREET; THENCE ALONG SAID NORTH LINE WHICH IS ALSO THE SOUTH LINE OF BLOCK 1 EXTENDED (A.K.A. SURVEY) N89°58'28"W 250.60 FEET TO THE POINT OF BEGINNING. CONTAINING 3.560 ACRES.

SURVEYOR'S CERTIFICATE

I, LAURENCE JAMES BROWN, DO HEREBY SAY THAT I AM A REGISTERED LAND SURVEYOR AS REQUIRED BY THE LAWS OF THE STATE OF UTAH, AND I HOLD CERTIFICATE NO. 4293; AND THAT I HAVE MADE A SURVEY OF THE PROPERTY DESCRIBED ABOVE, AND FIND IT AS SHOWN HEREON.

DATE:

REGISTERED LAND SURVEYOR #293 LAURENCE J. BROWN STATE OF UTAH

NOTE: CONTRACTOR MAY REVIEW SOILS REPORT AND RELATED COST BENEFIT ANALYSIS AT THE OFFICE. CONTRACTOR MAY DRIVE 4 PRECAST PILES TO A DEPTH DESCRIBED IN THE FOUNDATION ENGINEER'S REPORT BUILDING OR DETERMINE THE PENETRATION RESISTANCE OF THE SOILS THAT WOULD BE SUPPORTED BY THE TIP OF PILES. COSTS FOR PARTIAL USE SHALL BE INCLUDED IN THE CONSTRUCTION CONTRACT & PAID FOR BY THE CONTRACTOR.

BUDD, WEISS & WINCENT ARCHITECTS
9 EAST 3rd SOUTH
SALT LAKE CITY, UTAH
T 484111

00005RT1
Department of Natural Resources, Administration Building
Addition; Salt Lake City - NA: 77-069
Topographic Survey - 24231

SHEET 2 OF 2 SHEETS

Coon, King and Knowlton
Engineers · Planners · Land Surveyors
1055 East 3900 South · Salt Lake City, Utah 84117 · (801) 262-2951

DATE	REVISIONS	BY
11-9-78	CORRECTED LOCATION OF BUILDING EAST SIDE	R.B.
11-6-78	CORRECTED DIMENSIONS LOTS 9 & 10 IN BLOCK 1	R.B.

DESIGNED | DRAWN | CHECKED

BOUNDARY & TOPOGRAPHIC SURVEY
IN BLOCKS 1 & 2 OF BUNNELL'S SUBDIVISION IN THE SOUTH 1/2 OF SEC. 24 T.1N. R.1W. S.L.B.&M.

DATE: JAN 76
JOB NO: 76-56-106
SCALE:
SHEET: 2

CLIENT: BUDD, WEISS & WINCENT

CONSTRUCTION WORK FOR THE

ADMINISTRATION BUILDING ADDITION

FOR THE

DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH

FOR THE UTAH STATE BUILDING BOARD

124 STATE CAPITOL BUILDING, SALT LAKE CITY, UTAH

PROJECT Nº SBB NA: 77-069

APPROVALS

OTHER AGENCIES

FIRE MARSHAL — DATE
DIVISION OF HEALTH, (LETTER OF APPROVAL) — DATE
AGENCY — DATE

UTAH STATE BUILDING BOARD

STATE ARCHITECT — DATE 5/23/79
STRUCTURAL ENGR. — DATE 5/23/79
MECHANICAL — DATE 5/23/79
ELECTRICAL — DATE 5/23/79
HANDICAPPED — DATE 5/23
ENERGY CONSERVATION — DATE

Mr. Nathan Woolley, Director, Utah State Building Board — Date Approved 5/22/79

Mr. Gordon E. Harmston, Director, Department of Natural Resources — Date Approved 5-23-79

0000SRTS
Department of Natural Resources, Administration Building Addition, Salt Lake City - NA 77-069
Title Sheet, Index of Drawings & Legend - 24230

AS BUILT

MATERIAL LEGEND

	BRICK
	CONCRETE BLOCK
	CONCRETE
	GRAVEL
	EARTH
	METAL (LARGE SCALE)
— ⊏ L	METAL (SMALL SCALE)
	METAL (ELEVATION)
	INSULATION (RIGID)
	INSULATION (BATT)
	ACOUSTICAL TILE
	WOOD (STRUCTURAL & BLOCKING)
	WOOD (FINISH)
	PLYWOOD
	ASPHALT PAVING
	ACOUSTICAL PARTITIONS
	DRYWALL & METAL PARTITIONS
	CONCRETE WALLS (SMALL SCALE)

SYMBOL LEGEND

214	ROOM NUMBER
1 2	REFERENCE NOTES
1 A-13	DETAIL DESIGNATION
	SHEET WHERE SHOWN
1 A-13	ELEVATION OR SECTION
	SHEET WHERE SHOWN
	DOOR SIZE
A 1 / 1 A	DOOR TYPE
	DOOR FRAME DETAIL
	FRAME TYPE
B A	FIRE DOOR LABEL "B" OR "A"
H-1	HARDWARE TYPE
F-1	FINISH TYPE
71	EXISTING CONTOUR LINE
71	REGRADE OR FINISH CONTOUR LINE
K	KNURLED DOOR KNOBS

ARCHITECTURAL

T0	TITLE SHEET, INDEX OF DRAWINGS & LEGEND
T1	TOPOGRAPHIC SURVEY
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A-2	FIRST FLOOR PLAN
A-3	SECOND FLOOR PLAN
A-4	THIRD FLOOR PLAN
A-5	ROOF PLAN & FINISH SCHEDULE
A-6	DOOR & WINDOW SCHEDULE & DETAILS
A-7	DOOR & WINDOW DETAILS
A-8	DOOR FRAME & MISC. DETAILS
A-9	ALTERNATE 2 - CORRIDOR CONNECTION PLAN
A-10	EXTERIOR ELEVATIONS
A-11	EXTERIOR ELEVATIONS
A-12	ALTERNATE 2 - EXTERIOR ELEVATIONS
A-13	LONGITUDINAL & CROSS SECTIONS
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A-16	ALTERNATE 2 - WALL SECTIONS
A-17	ALTERNATE 2 - WALL SECTIONS
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AB-3A	ARCHITECTURAL CHANGE ORDERS
AB-4A	ARCHITECTURAL CHANGE ORDERS
AB-5A	ARCHITECTURAL REVISIONS & CHANGE ORDERS
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AB-7A	ARCHITECTURAL REVISIONS & CHANGE ORDERS
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AB-9A	RACEWAY SYSTEM FOR COMPUTER CABLES-C.O. #26
AB-10A	ARCHITECTURAL REVISIONS & CHANGE ORDERS
AB-11A	ARCHITECTURAL REVISIONS & CHANGE ORDERS
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S-3	WALL, COLUMN, PIER SCHEDULE & DETAILS
S-4	SECTIONS & DETAILS
S-5	SECOND FLOOR FRAMING
S-6	THIRD FLOOR FRAMING
S-7	ALTERNATE 1 - FUTURE FOURTH FLOOR
S-8	ROOF FRAMING
S-9	TRUSS DIAGRAMS & DETAILS
S-10	SECTIONS & DETAILS
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M6	HEATING WATER PIPING LAYOUT
M7	HOT WATER HEATING PLAN
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M9	MECHANICAL ROOM SECTION

MECHANICAL

M10	HOT WATER FLOW DIAGRAM
M11	CHILL WATER FLOW DIAGRAM
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AB-2M	MECHANICAL CHANGE ORDER #1
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E-9	SYMBOL LIST & SCHEDULES
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L1	ALTERNATE #4 PLANTING
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L3	ALTERNATE #4 DETAILS
L4	SPRINKING SYSTEM MAINS PLAN - C.O. #18

BUDD WEISS & VINCENT ARCHITECTS

SIEGFRIED A. WEISS — Salt Lake County — 416 — State of Utah — LICENSED ARCHITECT

SUITE 330 JUDGE BLDG.
NO. 8 EAST 3RD SOUTH
SALT LAKE CITY, UTAH 84111

TITLE SHEET & INDEX OF DRAWINGS

ADMINISTRATION BUILDING
FOR
DEPARTMENT OF NATURAL RESOURCES
1600 WEST NORTH TEMPLE, SALT LAKE CITY, UTAH
FOR
UTAH STATE BUILDING BOARD
PROJECT I.D. Nº SBB NA: 77-069

DATE	4-5-79
FILE NO.	214
DRAWN BY:	AW/MW
CHECKED BY:	SAW

SHEET **TS**

SHEET 1 OF 103 SHEETS