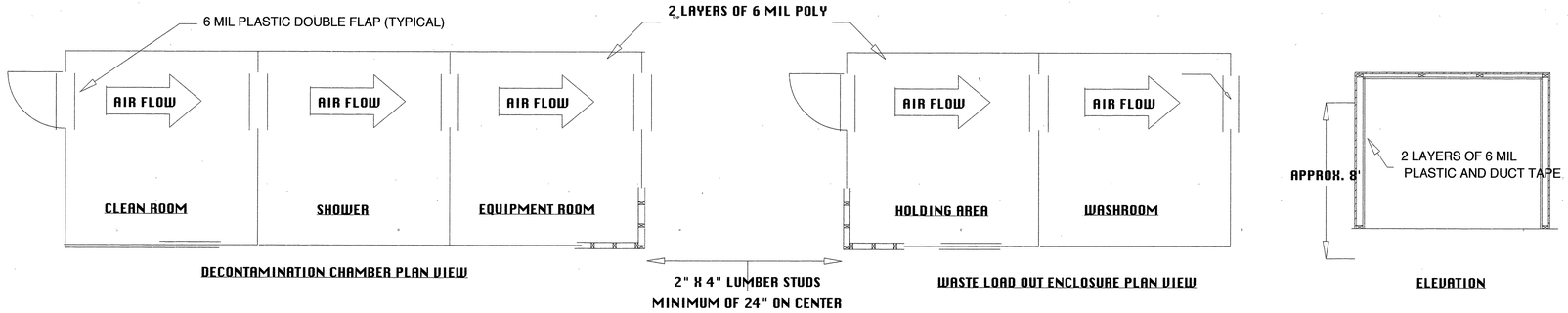
DECONTAMINATION CHAMBER AND WASTE LOAD OUT DETAILS



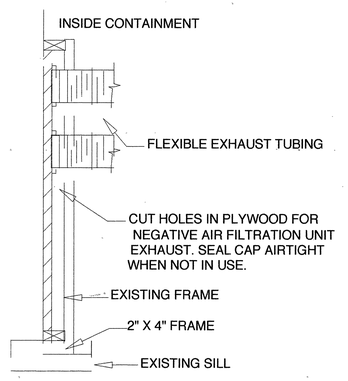
LEGEND

ASBESTOS-CONTAINING PIPE INSULATION (300 LINEAR FEET)

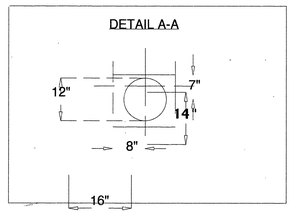
ASBESTOS-CONTAINING INSULATION ON FITTINGS (60 FITTINGS)

ASBESTOS-CONTAINING LOWER WALL PANELS (650 SQUARE FEET)

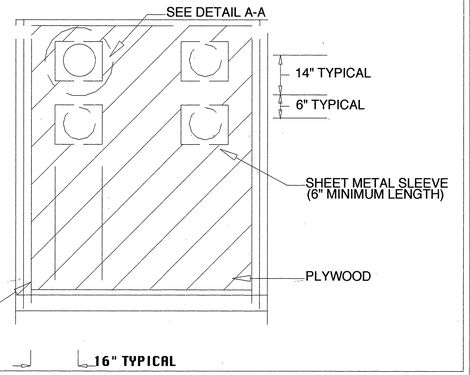
ASBESTOS-CONTAINING DUCT INSULATION (1,440 SQUARE FEET)

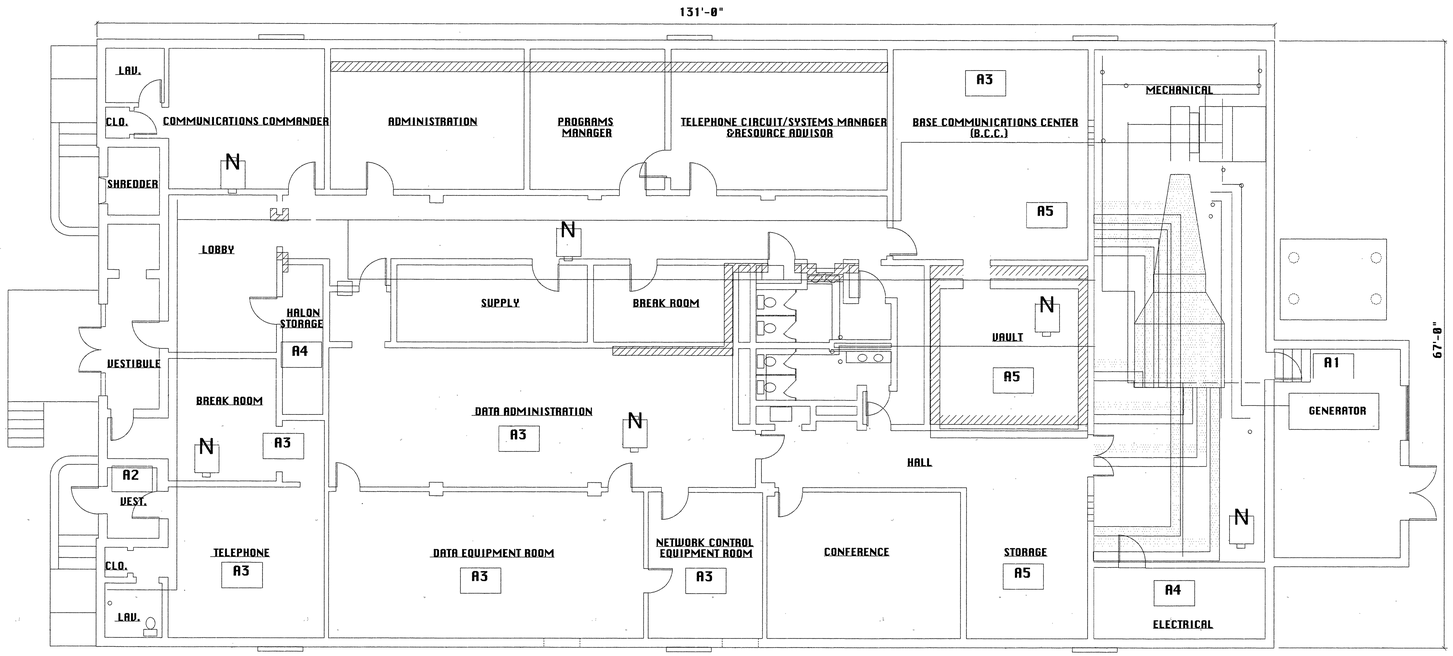


EXHAUST MANIFOLD DETAIL



CONSTRUCT FRAME FOR MANIFOLD USING 2" X 4" STUDS AND METAL FASTENERS. CAULK ALL SIDES.





FLOOR PLAN

SCALE 1/8"=1'-0"

GENERAL NOTES

GN1 ASBESTOS CONTAINING FLOOR TILES AND ASSOCIATED MASTIC ARE PRESENT THROUGHOUT THE BUILDING WITH THE EXCPTION OF THE EXISTING MECHANICAL AND ELECTRICAL ROOMS (7,800 SQUARE FEET)

GN2 ASBESTOS CONTAINING TROWELED-ON COATING / TAR IS PRESENT THROUGHOUT THE BUILDING WITH THE EXCPTION OF THE EXISTING MECHANICAL AND ELECTRICAL ROOMS (11,800 SQUARE FEET)

GN3 QUANTITIES ARE PROVIDED FOR BIDDING PURPOSES ONLY. CONTRACTORS SHALL VERIFY ALL CONDITION AND QUANTITIES IN THE FIELD PRIOR TO SUBMITTING THEIR BID.

GN4 THE CONTRACTOR SHALL COMPLETE DEMOLITION, REMOVAL AND DISPOSAL OF ALL NON-ASBESTOS MATERIALS PRIOR TO THE START OF ASBESTOS ABATEMENT WORK. THE ONE EXCEPTION TO THIS REQUIREMENT IS WALLS WHICH HAVE TRANSITE PANELS SCHEDULED FOR REMOVAL.

GN5 THE TAR COATING AND ASSOCIATED SUBSTRATE SHALL BE REMOVED DOWN TO THE ORIGINAL CONCRETE CEILING AND WALLS.

GN6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY ASBESTOS-CONTAINING GLUE DAUBS WHICH MAY BE PRESENT BELOW THE INSULATION. THE P.M. ENGAGED BY THE CONTRACTOR WILL SAMPLE THESE MATERIALS, IF PRESENT, TO DETERMINE THE PRESENCE OF ASBESTOS.

GN7 ALL PIPE AND FITTINGS INSULATION SHALL BE REMOVED, INCLUDING ANY NON-ASBESTOS INSULATION.

GN8 FIBERGLASS INSULATION PRESENT ON DUCTWORK OUTSIDE OF THE MECHANICAL ROOM SHALL EITHER BE PROTECTED WITH TWO LAYERS OF SIX MIL PLASTIC SHEETING OR REMOVED AND DISPOSED FOLLOWING ABATEMENT, BUT PRIOR TO THE FINAL CLEARANCE VISUAL INSPECTION.

GN9 FLOOR TILES AND ASSOCIATED MASTIC SHALL BE THE FINAL ASBESTOS-CONTAINING MATERIALS TO BE REMOVED FROM THE BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY GOUGING OR PITTING CAUSED BY REMOVAL OF THE MASTIC BY MECHANICAL MEANS.

ABATEMENT NOTES

A1 LOCATE THE DECONTAMINATION CHAMBER AT THE DOOR BETWEEN THE MECHANICAL ROOM AND GENERATOR ROOM.

A2 LOCATE THE WASTE LOADOUT ENCLOSURE AT THE VESTIBULE OFF OF THE TELEPHONE ROOM. THIS ENCLOSURE WILL ALSO SERVE AS AN EMERGENCY EXIT.

A3 REMOVAL AND DISPOSAL OF CARPETING IF REQUIRED PRIOR TO ANY OTHER PREPARATION WORK.

A4 NO ASBESTOS-CONTAINING MATERIALS WERE OBSERVED IN THIS AREA.

A5 INSTALL BLANK WOOD BLANKS IN THE DUCTS PRESENT IN THIS ROOM AS CLOSE TO THE ABUTTING MECHANICAL ROOM WALL AS POSSIBLE.

N NEGATIVE AIR FILTRATION UNIT TO BE PLACED IN THIS ROOM.

AD 702-77
2/20/97

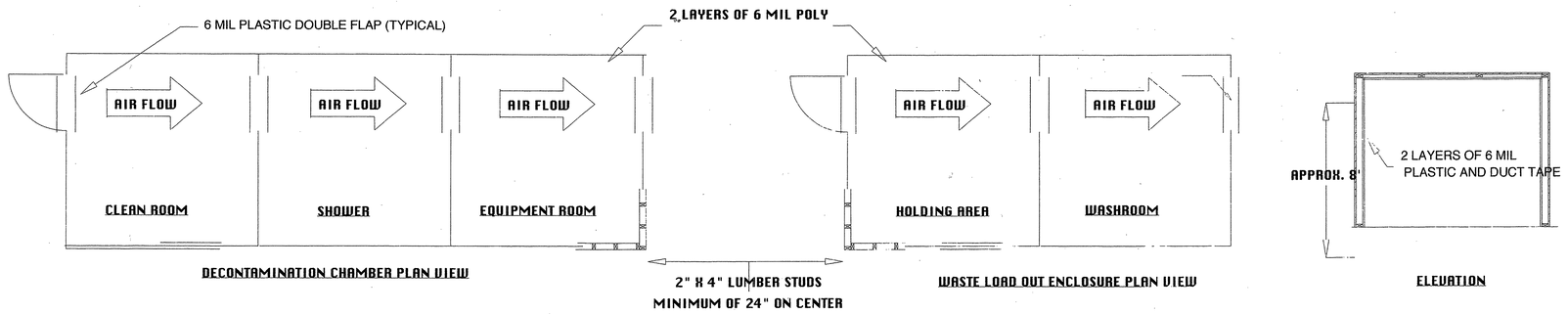
USING AGENCY	REV..	DATE	100% SUBMISSION DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF					
SAFETY					
CORROSION ENGINEER					

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
ASBESTOS ABATEMENT PLAN

PROJECT ENGINEER	SUBMITTED CHIEF ENGINEER	RECOMMENDED BASE ENGINEER	APPROVED INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED	SCALE 1/8" = 1'-0"	DRAWING NUMBER ASB-1
	DRAWN DATE 05 NOV. 1996	PROJECT NUMBER YTPM 94-0084	WST 4140 SHEET 4 OF 29

DECONTAMINATION CHAMBER AND WASTE LOAD OUT DETAILS



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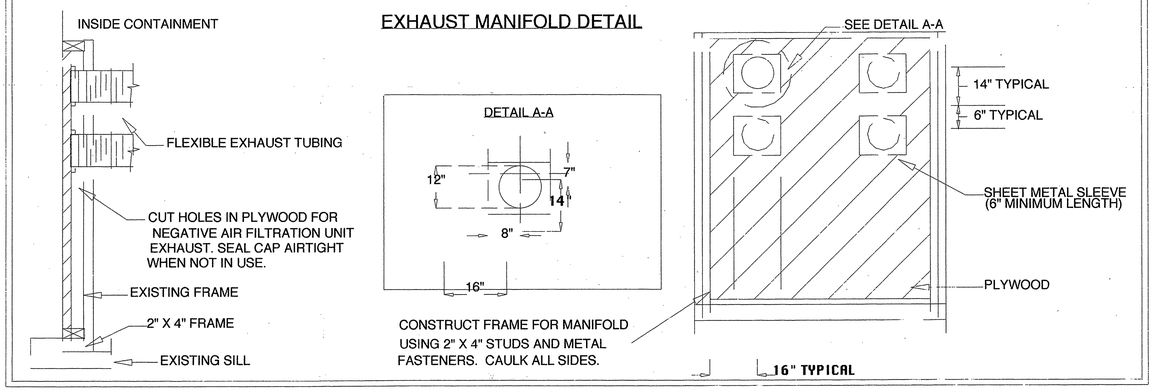
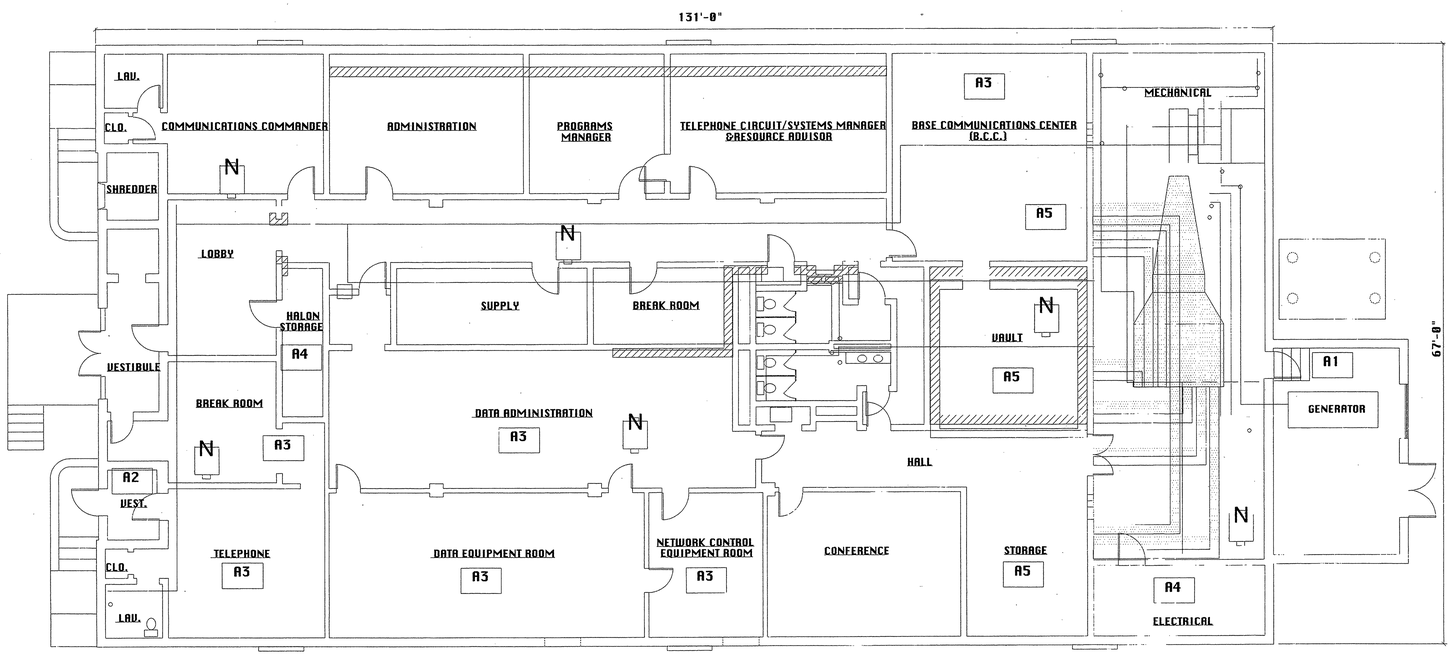


EXHAUST MANIFOLD DETAIL



NORTH

FLOOR PLAN

SCALE 1/8"=1'-0"

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AD702-77 2/20/97

		100% SUBMISSION		
REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

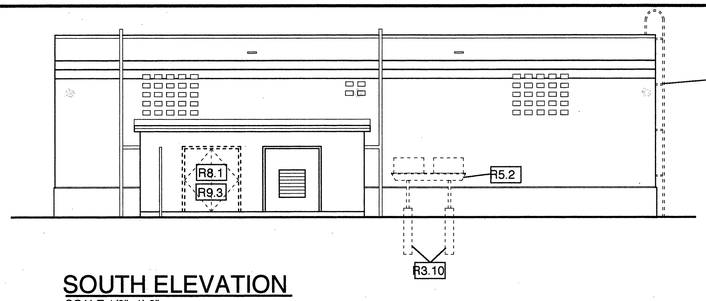
AIR FORCE RESERVE

CIVIL ENGINEERING

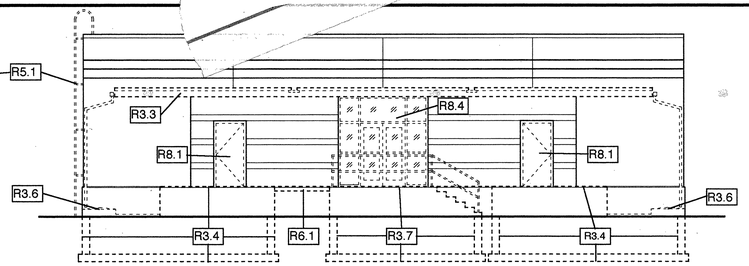
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
ASBESTOS ABATEMENT PLAN

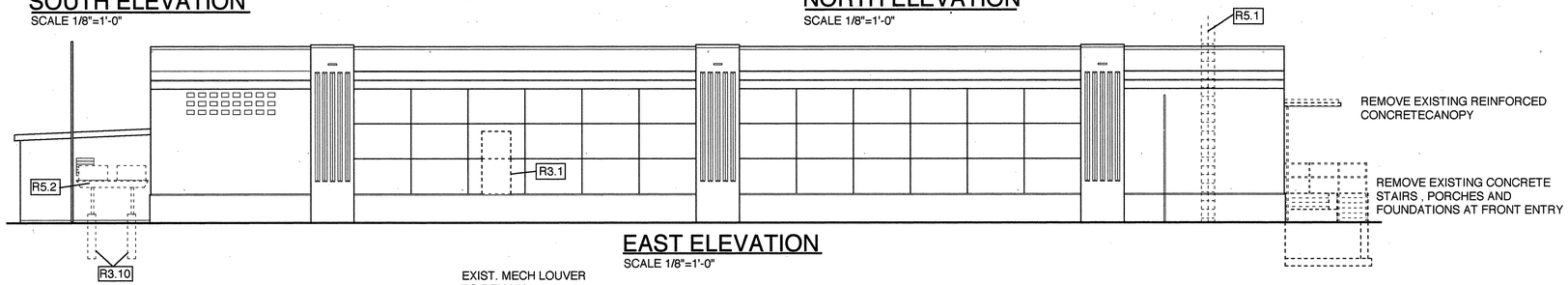
PROJECT ENGINEER	SUBMITTED: CHIEF ENGINEER	RECOMMENDED: BASE ENGINEER	APPROVED: INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED	SCALE: 1/8" = 1'-0"	DRAWING NUMBER: ASB-1
	DRAWN — DATE: 05 NOV. 1996	PROJECT NUMBER: YTPM 94-0084	WST 4140 SHEET 4 OF 29



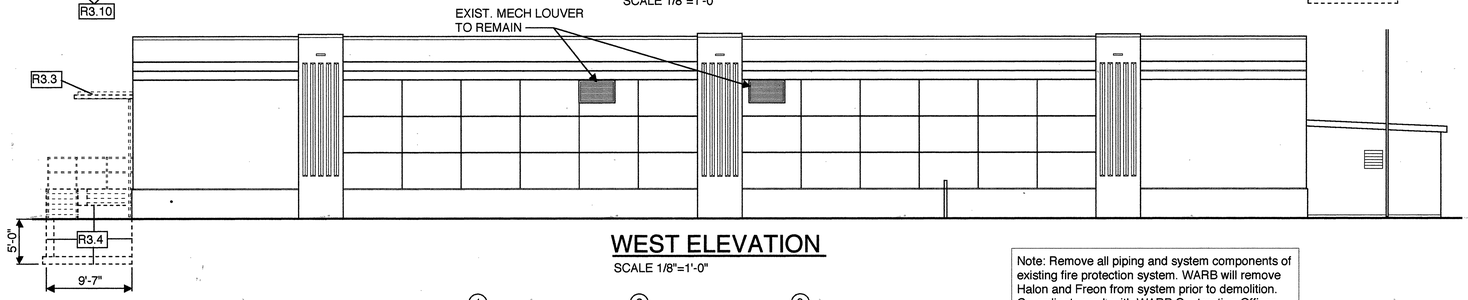
SOUTH ELEVATION
SCALE 1/8"=1'-0"



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

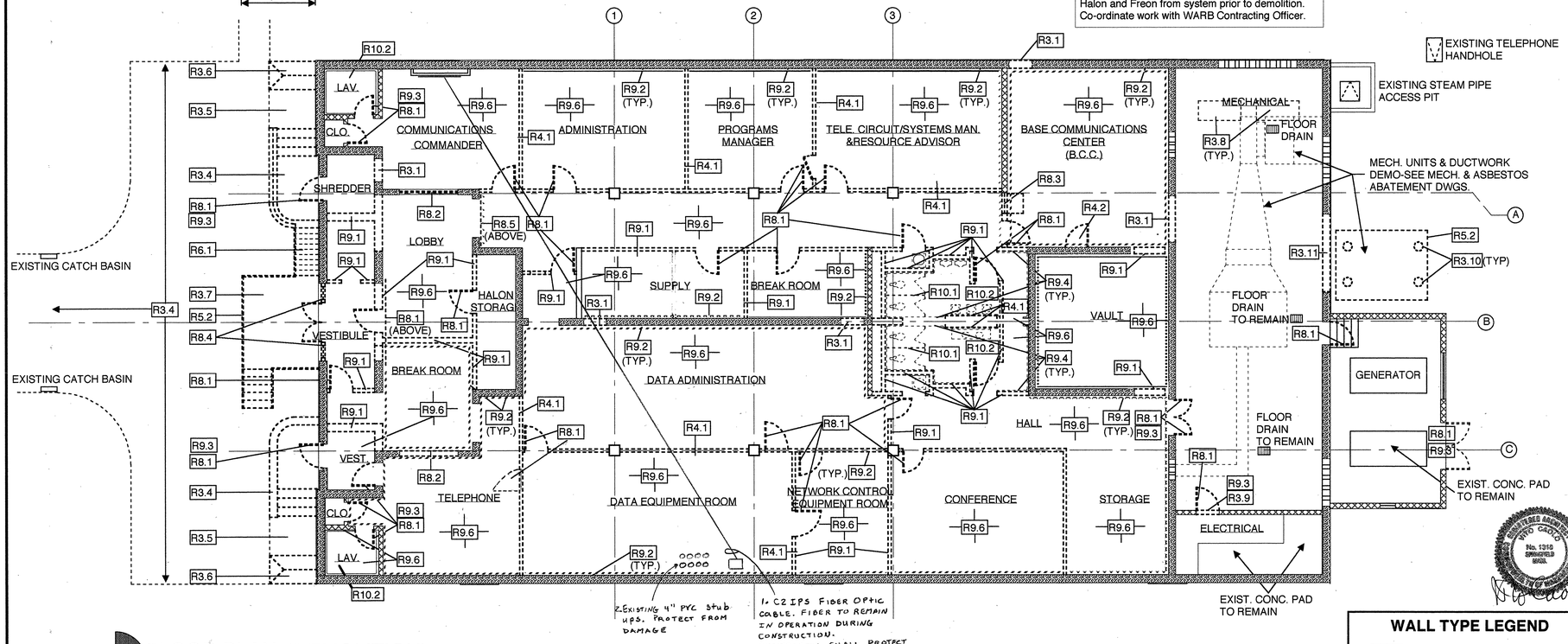


EAST ELEVATION
SCALE 1/8"=1'-0"



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

Note: Remove all piping and system components of existing fire protection system. WARB will remove Halon and Freon from system prior to demolition. Co-ordinate work with WARB Contracting Officer.



FLOOR PLAN (DEMOLITION)
NORTH
SCALE 1/8"=1'-0"

WALL TYPE LEGEND
- C.M.U. WALL TO REMAIN
- FRAME WALL TO REMAIN
- CONCRETE WALL TO REMAIN

REMOVAL GENERAL NOTES

RGN1 ITS NOT THE INTENT OF THESE DEMOLITION DRAWINGS TO SHOW EACH AND EVERY PIECE OF EQUIPMENT, FIXTURE, OR MATERIAL TO BE REMOVED; RATHER TO SHOW THE GENERAL INTENT OF THE WORK. ALL OBSOLETE MATERIAL IS TO BE REMOVED. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL EXISTING CONDITIONS AND INCLUDE REMOVALS AND PATCHING AS PART OF THE WORK OF THE CONTRACT.

RGN2 ALL SURFACES, MEMBERS, EQUIPMENT, FIXTURES, AND OTHER MATERIAL CUT DURING DEMOLITION ARE TO BE PATCHED AND REPAIRED TO ORIGINAL CONDITION BY THE CONTRACTOR UNLESS SPECIFIED OTHERWISE. ALL SURFACES, FINISHES AND OTHER MATERIAL NOT AFFECTED BY DEMOLITION SHALL BE COVERED AND PROTECTED AS REQ'D TO ASSURE THEY REMAIN UNDAMAGED. ANY DAMAGE TO THE BUILDING OR ITS CONTENTS DURING DEMOLITION IS TO BE REPAIRED TO ITS ORIGINAL CONDITION PRIOR TO DEMOLITION.

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RGN4 COORDINATE DEMO WORK WITH ALL WORK OF OTHER TRADES CALLED FOR ELSEWHERE ON CONTRACT DOCUMENTS.

RGN5 REMOVE ALL CEILINGS AND SUSPENSION SYSTEMS THROUGHOUT ENTIRE BLDG.

RGN6 REMOVE ALL VINYL BASE THROUGHOUT ENTIRE BLDG.

REMOVAL NOTES

R3.1 SAWCUT & REMOVE EXIST. REINF. CONC. WALL AS REQUIRED FOR INSTALLATION OF NEW H.M. DOOR FRAME

R3.4 REMOVE ALL BITUMINOUS PAVING AND CURBING TO STREET (DWG. C-1)

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R3.6 REMOVE EXIST. CONC. STRUCTURE IN ITS ENTIRETY

R3.7 REMOVE EXIST. CONC. STOOP, RAILS, AND STAIRS IN ITS ENTIRETY

R3.8 REMOVE EXIST. CONC. EQUIPMENT PAD FLUSH WITH EXIST. CONC. FLOOR. PATCH/REPAIR FLOOR

R3.9 REMOVE EXIST. CONC. CURB FLUSH WITH EXIST. CONC. FLOOR. PATCH/ REPAIR FLOOR FLUSH WITH EXISTING

R3.10 REMOVE EXIST. CONC. PIER FOUNDATIONS OF EXIST. MECH. UNITS FRAME SUPPORTS

R3.11 REMOVE EXIST. CONC. WALL FOR NEW OVERHEAD DOOR

R4.1 REMOVE EXIST. FRAME WALL FULL HEIGHT

R4.2 REMOVE CONCRETE FILLED STEEL VAULT DOOR AND FRAME

R5.1 REMOVE EXIST. MTL. ROOF ACCESS LADDER. PATCH/REPAIR REMAINING HOLES IN CONC. WALL TO MATCH EXIST.

R5.2 REMOVE EXIST. MTL. FRAME AND SUPPORTS FOR MECH. UNITS

R6.1 REMOVE EXIST. WOOD DECK INFILL

R8.1 REMOVE EXIST. DOOR , H.M. FRAME, AND THRESHOLD.

R8.2 REMOVE EXIST. WINDOW , FRAME, AND/0R MASONRY INFILL FOR INSTALL. OF NEW GLASS BLOCK INFILL

R8.3 REMOVE EXIST. OBSERVATION/PASS-THRU UNIT AND SAVE FOR RELOCATION

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R8.5 REMOVE EXIST. ROLL-UP DOOR, TRACK, & ALL HARDWARE IN ITS ENTIRETY

R9.1 REMOVE EXIST. NON-LOAD BEARING MASONRY WALL FROM FL. TO DECK ABOVE

R9.2 REMOVE EXIST. WALL GWB OR FINISH PANEL DOWN TO EXIST MTL. STUD FRAMING/FURRING. EXIST. MTL. STUD TO REMAIN. REMOVE EXIST. FURRING ON EXT. WALL SURFACES .

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R10.1 REMOVE ALL EXIST. TOILET PARTITIONS

R10.2 REMOVE ALL EXIST. TOILET ACCESSORIES IN LAV.

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01/10/97	100% SUBMISSION		

USING AGENCY

FIRE CHIEF'S

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

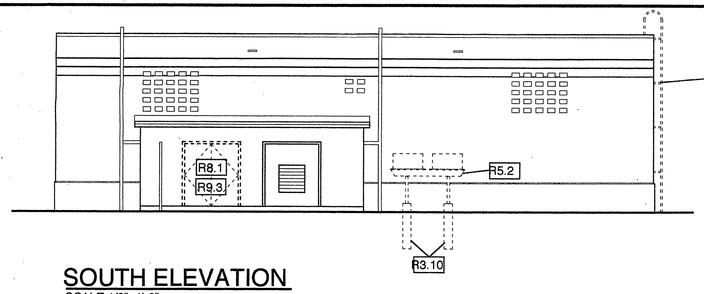
M/R/A COMMUNICATIONS BUILDING 1510

DEMOLITION PLANS AND ELEVATIONS

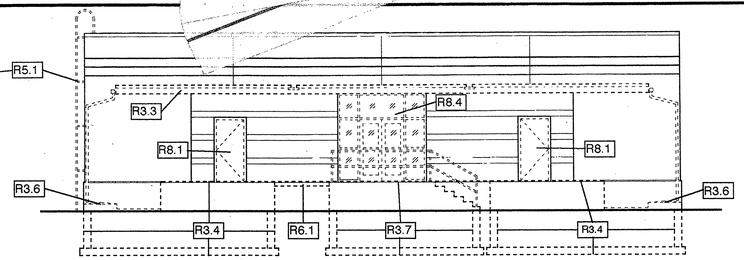
SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
KRJ	1/8" = 1'-0"	WST 4140 AD - 1

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV. 1996	YTPM 94-0084	3 OF 29



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



NORTH ELEVATION
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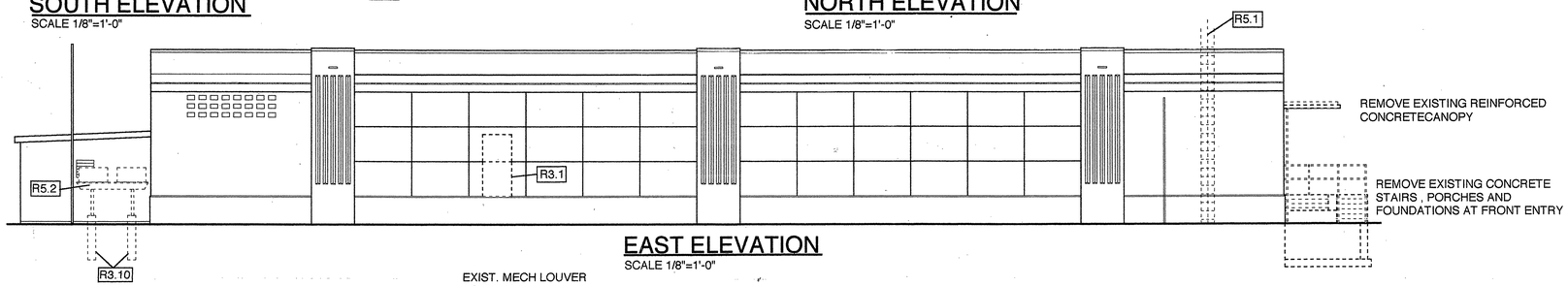

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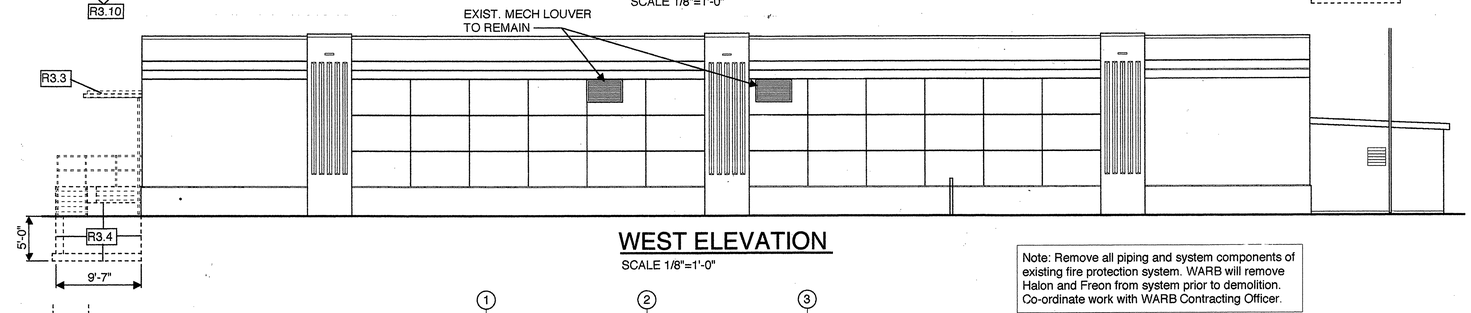

WEST ELEVATION
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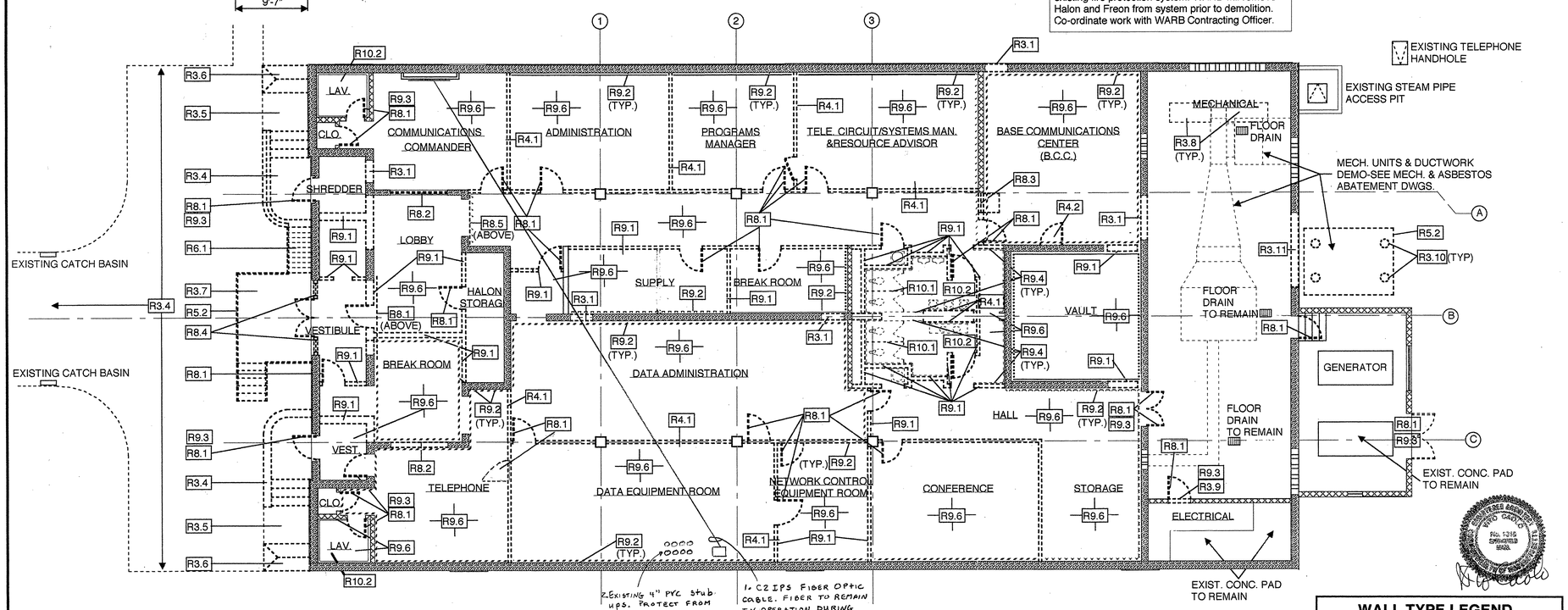

NORTH

FLOOR PLAN (DEMOLITION)
SCALE 1/8"=1'-0"

WALL TYPE LEGEND
- C.M.U. WALL TO REMAIN
- FRAME WALL TO REMAIN
- CONCRETE WALL TO REMAIN

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REV.	DATE	DESCRIPTION	DRAWN	APPR'D
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SAFETY

CORROSION ENGINEER

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AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

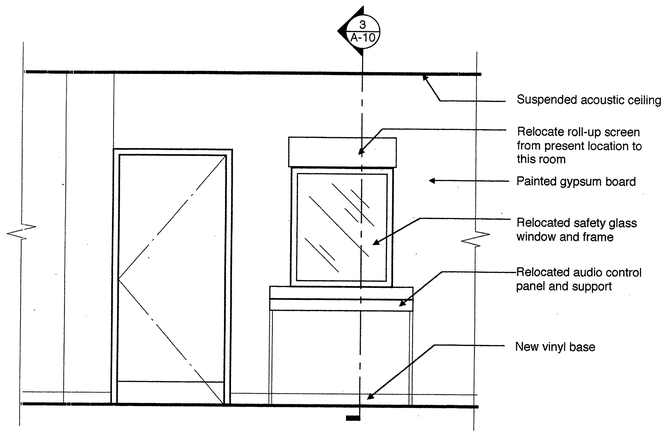
M/R/A COMMUNICATIONS BUILDING 1510

DEMOLITION PLANS AND ELEVATIONS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

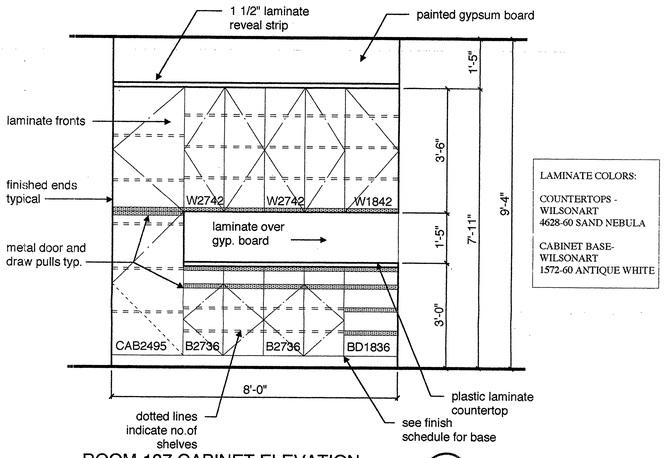
DESIGNED	SCALE	DRAWING NUMBER
KRJ	1/8" = 1'-0"	WST 4140 AD - 1

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV. 1996	YTPM 94-0084	3 OF 29



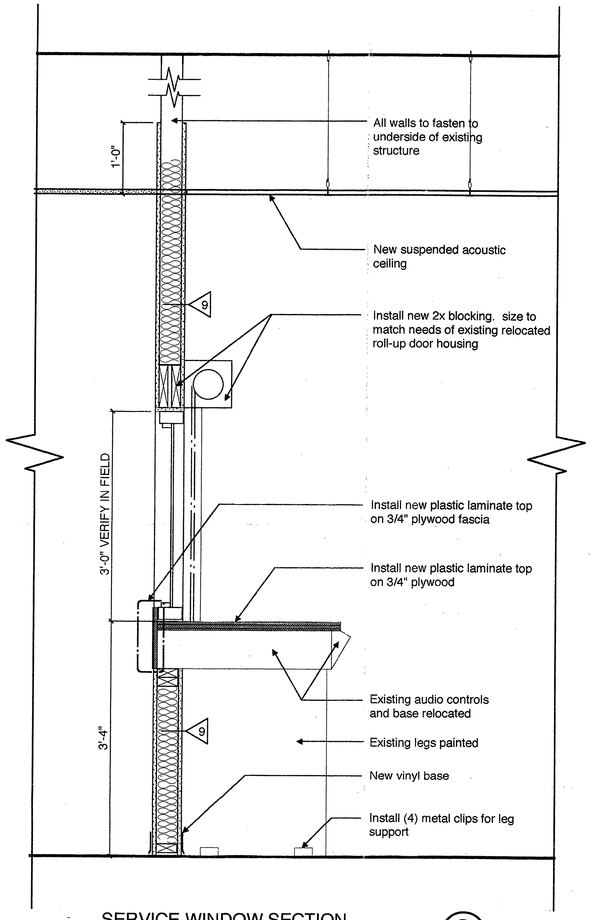
RM. 132 CUSTOMER SERVICE WINDOW 1

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



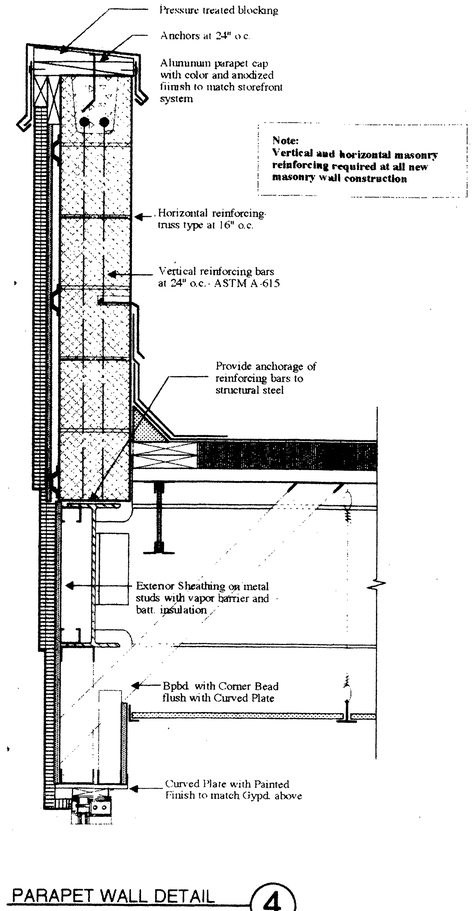
ROOM 137 CABINET ELEVATION 2

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



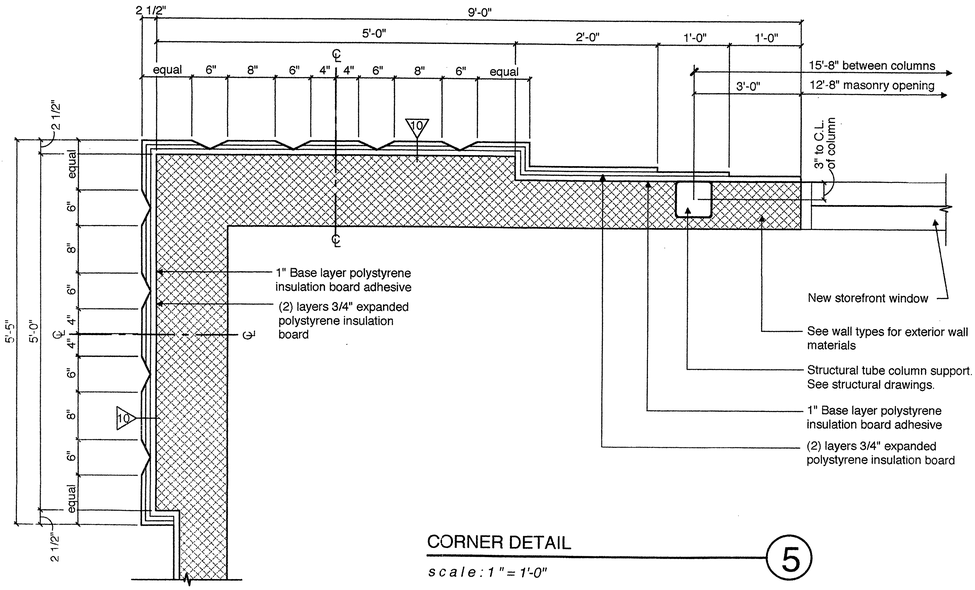
SERVICE WINDOW SECTION 3

scale: 1" = 1'-0"



PARAPET WALL DETAIL 4

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



CORNER DETAIL 5

scale: 1" = 1'-0"

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

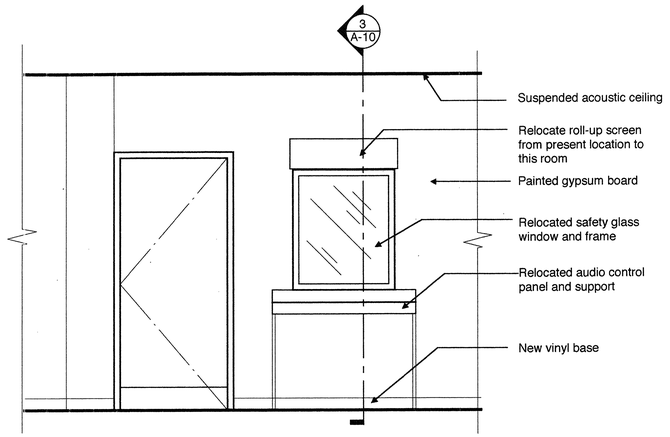
WESTOVER AIR FORCE BASE CHICOPEE, MASS 01022

M/R/A COMMUNICATIONS BUILDING 1510 DETAILS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

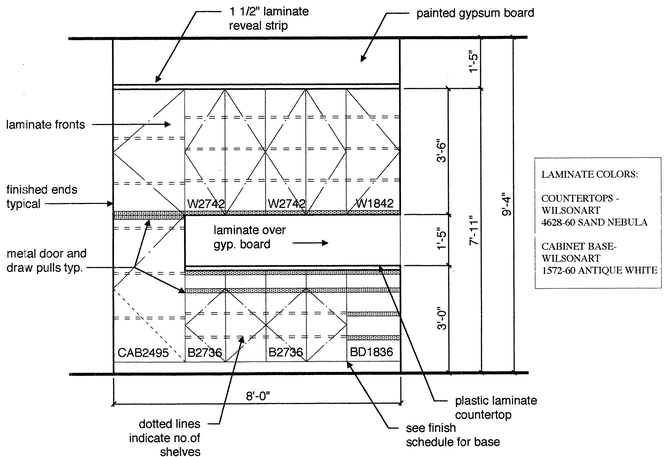
DESIGNED	SCALE	DRAWING NUMBER
KRJ	AS NOTED	WST 4140 A - 10

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV 96	YTPM 94-0084	14 OF 29



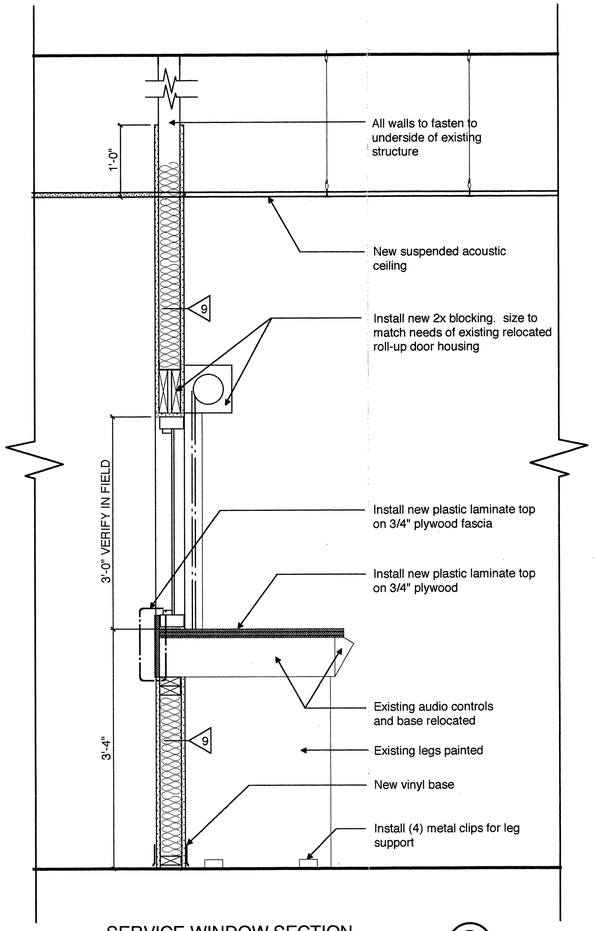
RM. 132 CUSTOMER SERVICE WINDOW 1

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



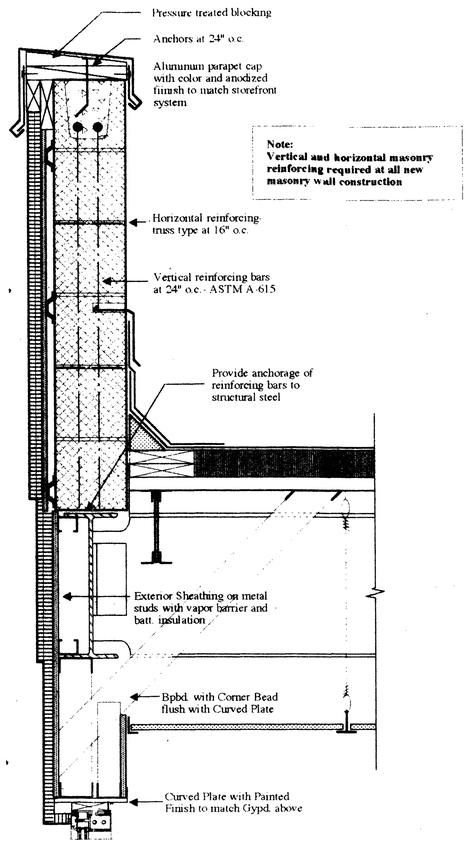
ROOM 137 CABINET ELEVATION 2

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



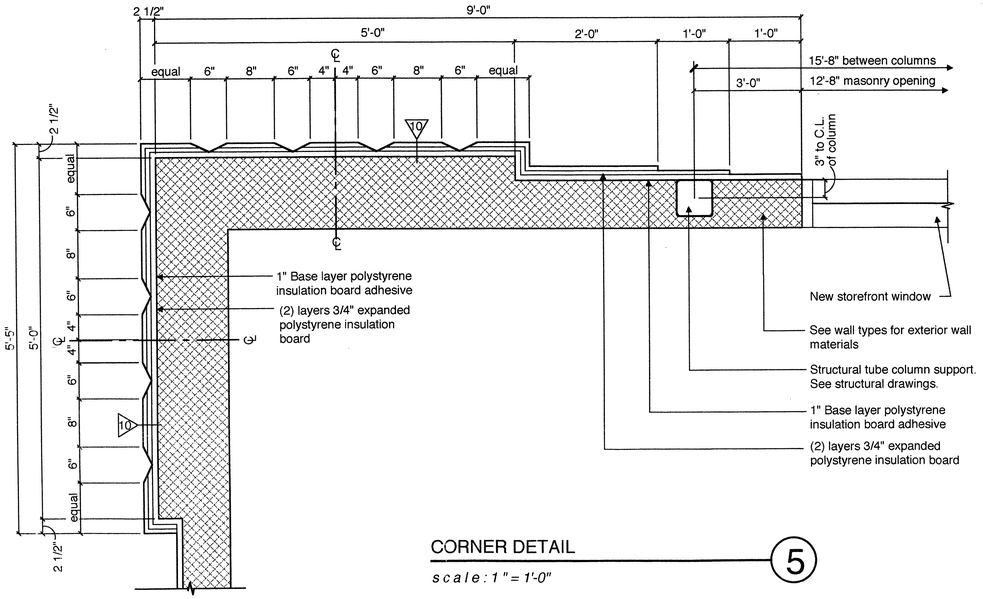
SERVICE WINDOW SECTION 3

scale: 1" = 1'-0"



PARAPET WALL DETAIL 4

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



CORNER DETAIL 5

scale: 1" = 1'-0"

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

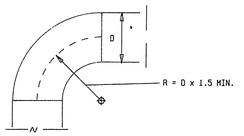
CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

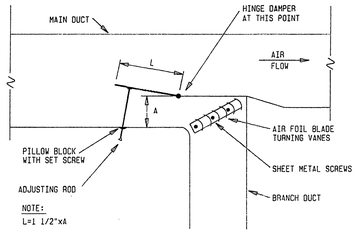
DETAILS

SUBMITTED: CHIEF ENGINEER	RECOMMENDED: BASE ENGINEER	APPROVED: INSTALLATION COMMANDER	
DESIGNED: KRJ	SCALE: AS NOTED	DRAWING NUMBER: WST 4140	A - 10
DRAWN: KRJ	DATE: 05 NOV 96	PROJECT NUMBER: YTPM 94-0084	SHEET 14 OF 29



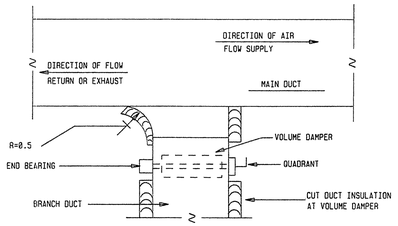
ROUND ELBOW DETAIL

NO SCALE



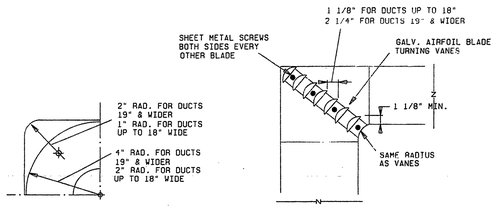
DETAIL OF SPLITTER DAMPER AND BRANCH DUCT TAKE-OFF

NO SCALE



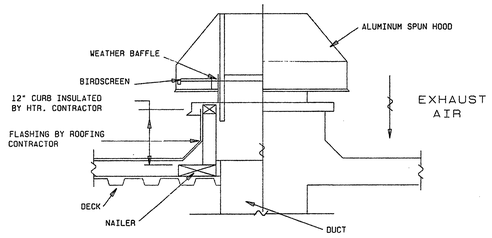
DETAIL OF BRANCH DUCT TAKE-OFF & VOLUME DAMPER FOR SUPPLY & RETURN

NO SCALE



SQUARE ELBOW AND VANE DETAIL

NO SCALE

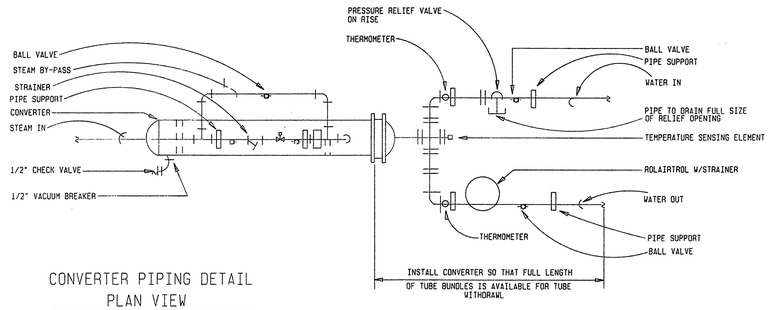


ROOF EXHAUST HOOD DETAIL

NO SCALE

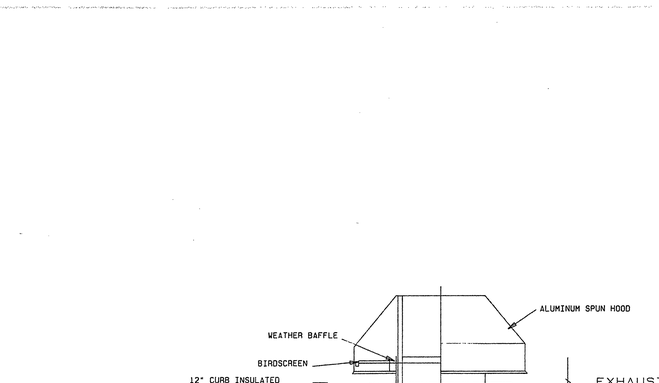
LEGEND

	SUPPLY DIFFUSER (SD) CFM
	RETURN OR EXHAUST REGISTER (RR) (ER) CFM
	RETURN DUCT DN.
	SUPPLY DUCT DN.
—S—	STEAM SUPPLY PIPING
— C —	CONDENSATE PIPING
	HOT WATER SUPPLY
	HOT WATER RETURN
	UNION
	PIPE STRAINER WITH DRAIN VALVE
	THERMOMETER
	PRESSURE GAUGE WITH GAUGE COCK
	CHECK VALVE
FD	FIRE DAMPER
VD	VOLUME DAMPER
SD	SUPPLY DUCT
RD	RETURN DUCT
ED	EXHAUST DUCT
SE	SMOKE EXHAUST
	BALL VALVE
—CWS—	CHILLED WATER SUPPLY
—CWR—	CHILLED WATER RETURN
T	THERMOSTAT
HC	HEATING COIL
MOD	MOTOR OPERATED DAMPER



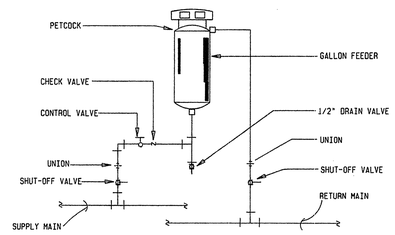
CONVERTER PIPING DETAIL
PLAN VIEW

NO SCALE



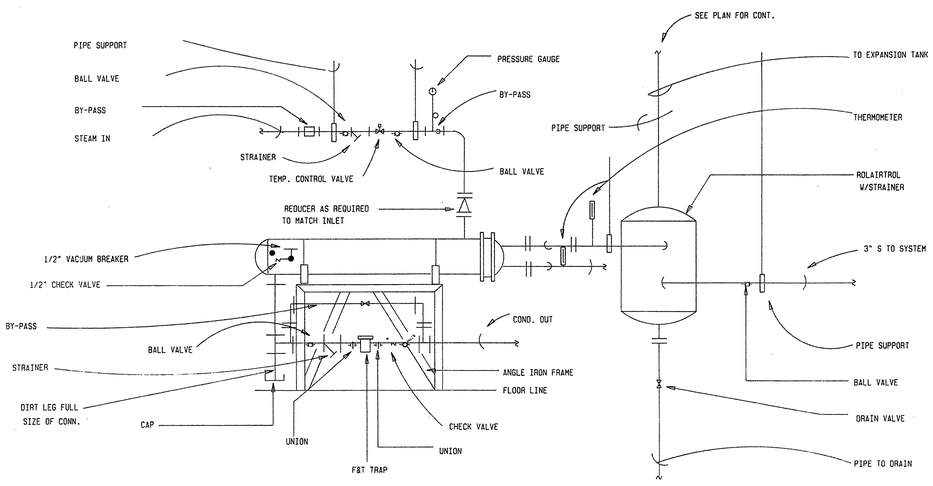
DETAIL -- HOT WATER CONVECTOR

NO SCALE



CHILLED WATER
CHEMICAL FEEDER PIPING DETAIL

NO SCALE



CONVERTER PIPING DETAIL
ELEVATION

NO SCALE

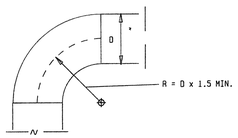
COMMONWEALTH OF MASSACHUSETTS
WILLIAM A. TOWSLEY
MECHANICAL
35337
REGISTERED
PROFESSIONAL ENGINEER

JAN 16 1997

REV.	DATE

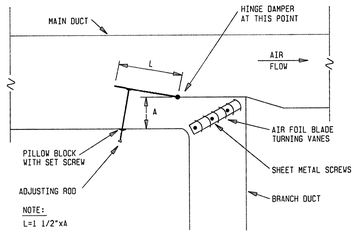
M/R/A COMMUNICATIONS BUILDING 1510
DETAILS

John E Cullen	Dwn	Leon K. Chin	Harvard Univ
Patrick Powers	WAT		HVAC-4 ist 4146
	WAT 1-10-97		22 29



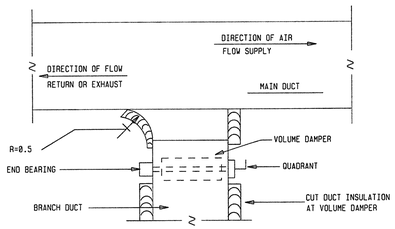
ROUND ELBOW DETAIL

NO SCALE



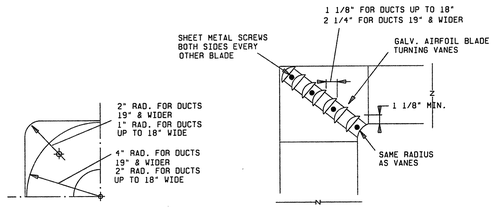
DETAIL OF SPLITTER DAMPER AND BRANCH DUCT TAKE-OFF

NO SCALE



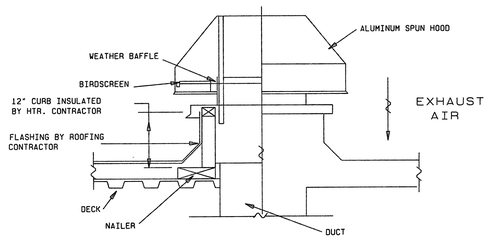
DETAIL OF BRANCH DUCT TAKE-OFF & VOLUME DAMPER FOR SUPPLY & RETURN

NO SCALE



SQUARE ELBOW AND VANE DETAIL

NO SCALE

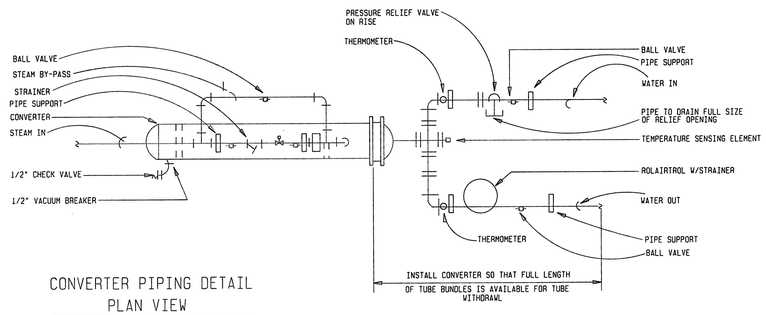


ROOF EXHAUST HOOD DETAIL

NO SCALE

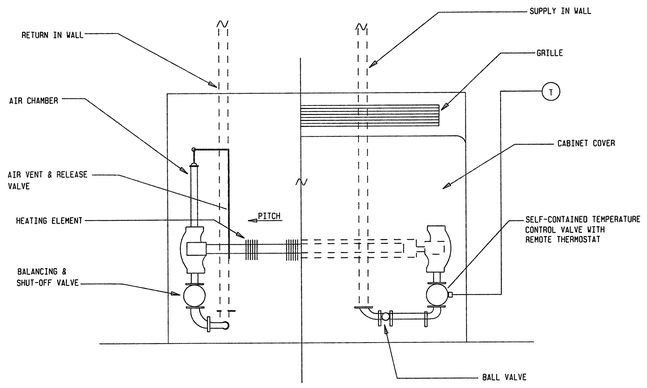
LEGEND

	SUPPLY DIFFUSER (SD) CFM
	RETURN OR EXHAUST REGISTER (RR) (ER) CFM
	RETURN DUCT DN.
	SUPPLY DUCT DN.
—S—	STEAM SUPPLY PIPING
— — C — —	CONDENSATE PIPING
	HOT WATER SUPPLY
- - - - -	HOT WATER RETURN
	UNION
	PIPE STRAINER WITH DRAIN VALVE
	THERMOMETER
	PRESSURE GAUGE WITH GAUGE COCK
	CHECK VALVE
FD	FIRE DAMPER
VD	VOLUME DAMPER
SD	SUPPLY DUCT
RD	RETURN DUCT
ED	EXHAUST DUCT
SE	SMOKE EXHAUST
	BALL VALVE
—CWS—	CHILLED WATER SUPPLY
—CWR—	CHILLED WATER RETURN
T	THERMOSTAT
HC	HEATING COIL
MOD	MOTOR OPERATED DAMPER



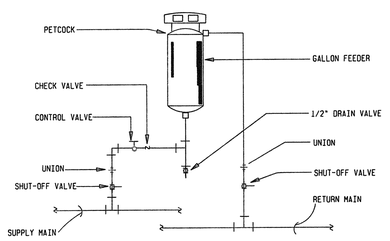
CONVERTER PIPING DETAIL
PLAN VIEW

NO SCALE



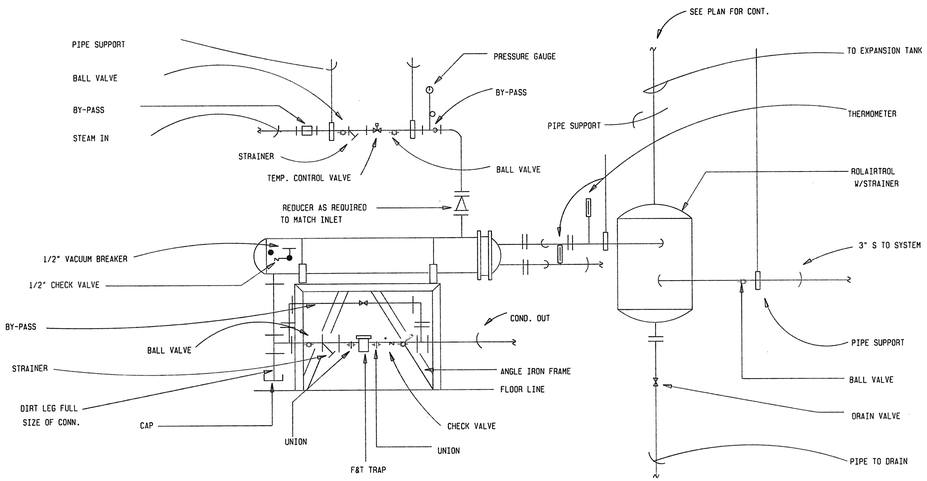
DETAIL -- HOT WATER CONVECTOR

NO SCALE



CHILLED WATER
CHEMICAL FEEDER PIPING DETAIL

NO SCALE



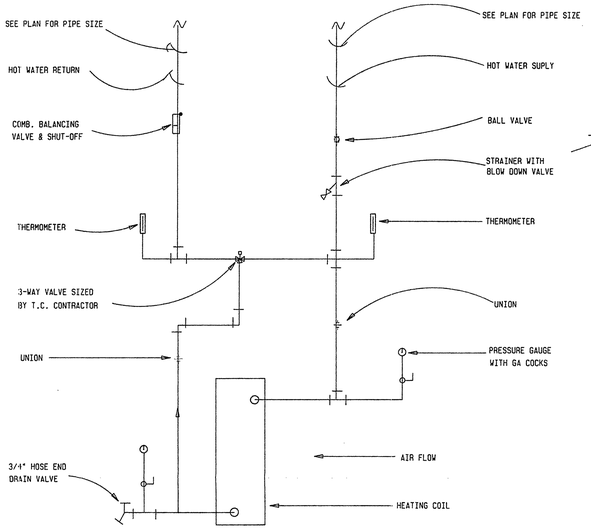
CONVERTER PIPING DETAIL
ELEVATION

NO SCALE

COMMONWEALTH OF MASSACHUSETTS
WILLIAM A. TOWSLEY
MECHANICAL
25337
REGISTERED
PROFESSIONAL ENGINEER

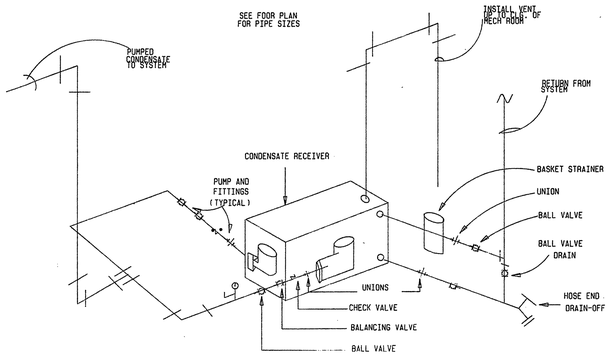
JAN 16 1997

	REV.:	
Robert P. Boyajian		
Dudley Waller		
Gallen	M/R/A COMMUNICATIONS BUILDING 1510 DETAILS	
John E Cullen	SUBMITTER	APP.
Robert P. Boyajian	WAT	HVAC-4 WSF 4148
	WAT 1-10-97	22 29



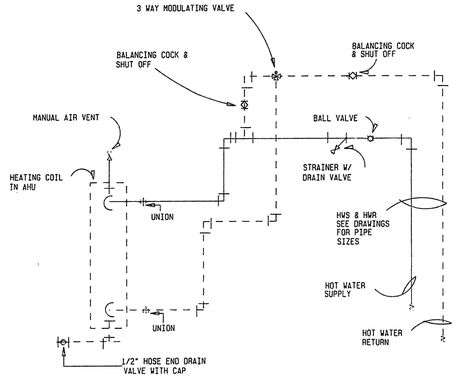
PIPING DETAIL AT HOT WATER PREHEAT COIL FOR AHU #1

NO SCALE



DETAIL PIPING AT DUPLEX CONDENSATE PUMP

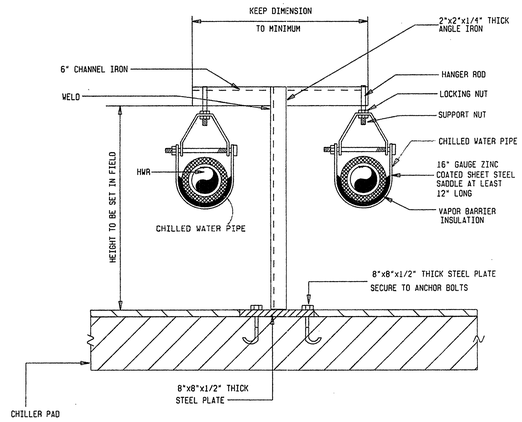
NO SCALE



PIPING DETAIL AT HOT WATER COILS FOR AIR HANDLING UNITS #4 & #5

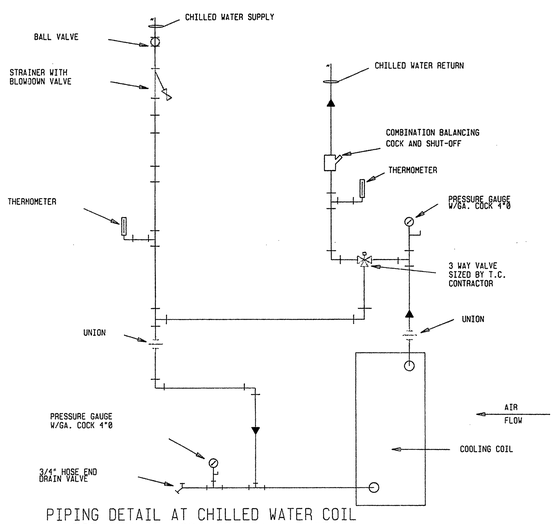
NO SCALE

CONTRACTOR TO PAINT FRAME WITH RUSTOLEUM OR EQUAL



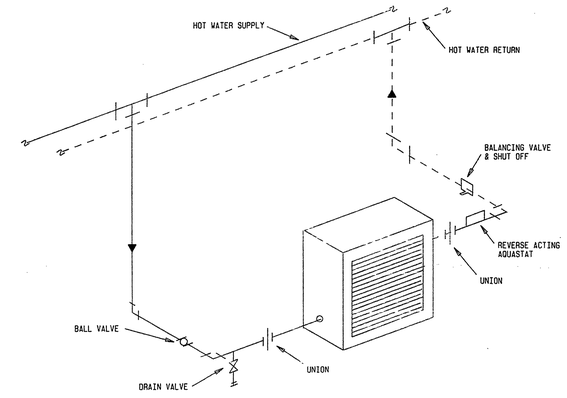
CHILLED WATER PIPE SUPPORT DETAIL

NO SCALE



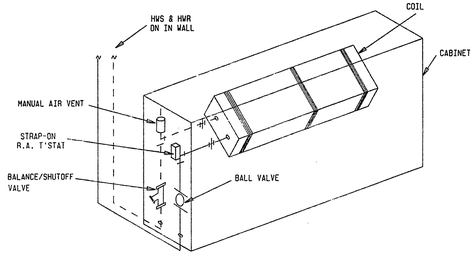
PIPING DETAIL AT CHILLED WATER COIL FOR AHU #1, #2, #3, #4 AND #5

NO SCALE



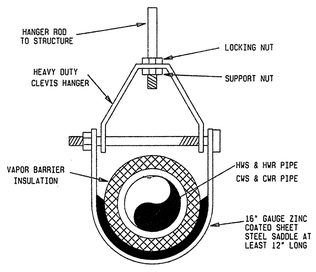
UNIT HEATER PIPING DETAIL

NO SCALE



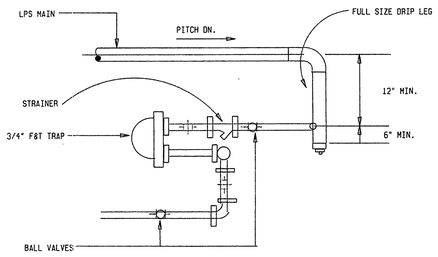
CABINET HEATER PIPING DETAIL

NO SCALE



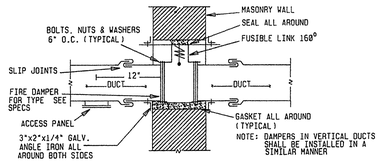
CLEVIS HANGER

NO SCALE



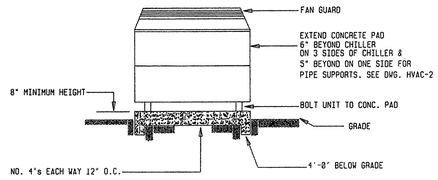
LOW PRESSURE STEAM END OF MAIN DRIP DETAIL

NOT TO SCALE



TYPICAL FIRE DAMPER DETAIL

NO SCALE



AIR COOLED CHILLER CONCRETE PAD MOUNTING DETAIL

NO SCALE

1. SET UNIT LEVEL BOTH DIRECTIONS
2. EXTEND CONCRETE PAD TO BE BELOW FROST LINE
3. INSULATE ALL CHILLED WATER PIPING, VALVES & FITTINGS
4. REFER TO FLOOR PLANS FOR PAD LOCATION

COMMONWEALTH OF MASSACHUSETTS
WILLIAM A. TOWSLEY
MECHANICAL
35337
REGISTERED PROFESSIONAL ENGINEER

JAN 10 1997

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
			100% SUBMISSION		

FIRE CHIEF

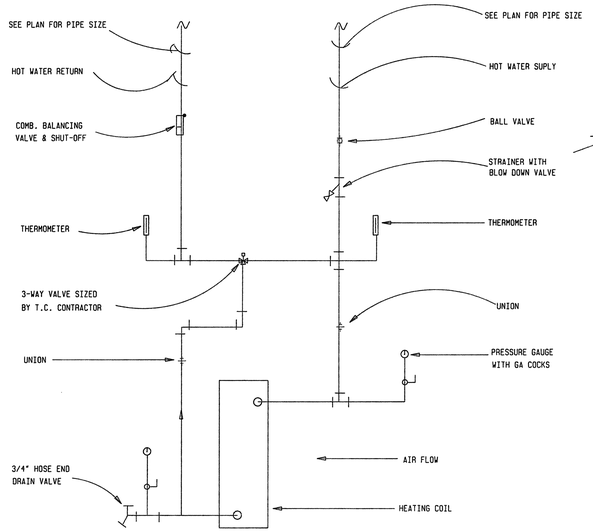
SAFETY

CORROSION ENGINEER

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

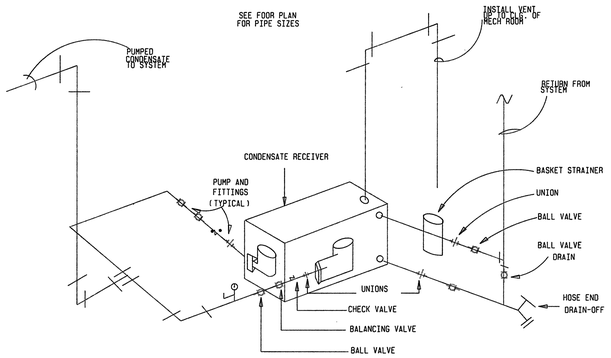
M/R/A COMMUNICATIONS BUILDING 1510 DETAILS

PROJECT ENGINEER	SUBMITTED CHIEF ENGINEER	RECOMMENDED BASE ENGINEER	APPROVED
BIO-ENV. ENGINEER	DESIGNED WAT / DRAWN WAT / DATE 1-10-97	SCALE AS NOTED / PROJECT NUMBER YTPM 94-0084	DRAWING NUMBER HVAC S WST 9140 / SHEET 23 OF 29



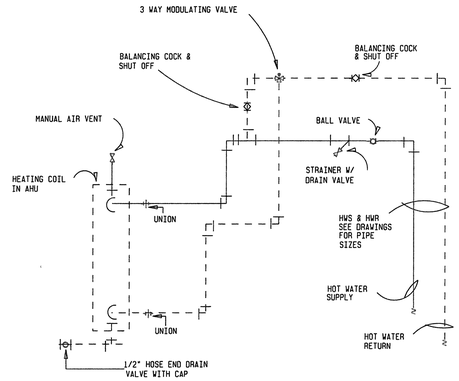
PIPING DETAIL AT HOT WATER PREHEAT COIL FOR AHU #1

NO SCALE



DETAIL PIPING AT DUPLEX CONDENSATE PUMP

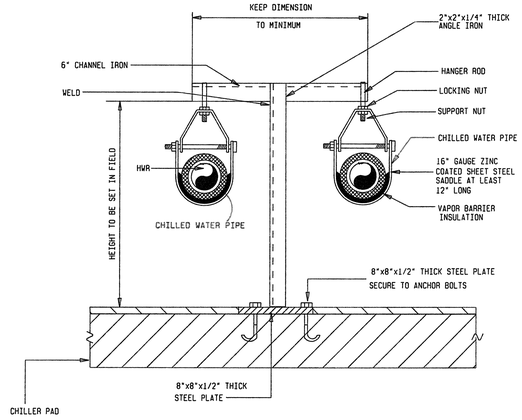
NO SCALE



PIPING DETAIL AT HOT WATER COILS FOR AIR HANDLING UNITS #4 & #5

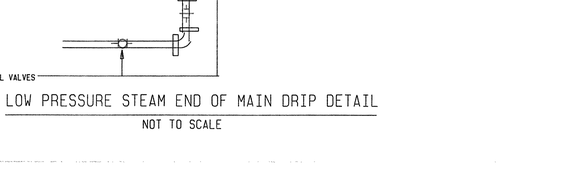
NO SCALE

CONTRACTOR TO PAINT FRAME WITH RUSTOLEUM OR EQUAL



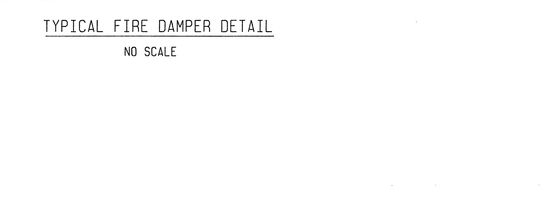
CHILLED WATER PIPE SUPPORT DETAIL

NO SCALE



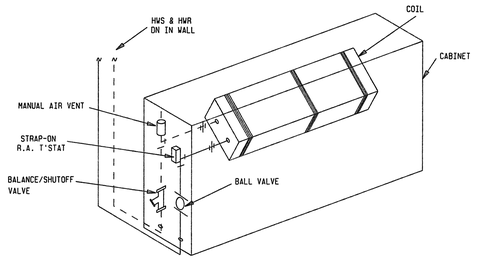
PIPING DETAIL AT CHILLED WATER COIL FOR AHU #1, #2, #3, #4 AND #5

NO SCALE



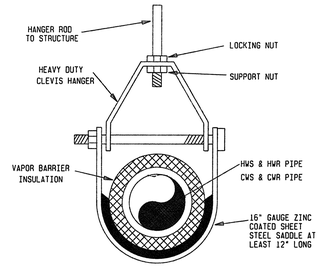
UNIT HEATER PIPING DETAIL

NO SCALE



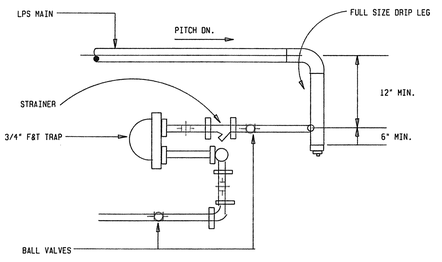
CABINET HEATER PIPING DETAIL

NO SCALE



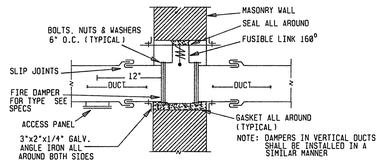
CLEVIS HANGER

NO SCALE



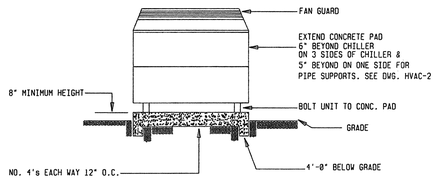
LOW PRESSURE STEAM END OF MAIN DRIP DETAIL

NOT TO SCALE



TYPICAL FIRE DAMPER DETAIL

NO SCALE



AIR COOLED CHILLER CONCRETE PAD MOUNTING DETAIL

NO SCALE

1. SET UNIT LEVEL BOTH DIRECTIONS
2. EXTEND CONCRETE PAD TO BE BELOW FROST LINE
3. INSULATE ALL CHILLED WATER PIPING, VALVES & FITTINGS
4. REFER TO FLOOR PLANS FOR PAD LOCATION

COMMONWEALTH OF MASSACHUSETTS
WILLIAM A. TOWSLEY
MECHANICAL
35337
REGISTERED
PROFESSIONAL ENGINEER

JAN 10 1997

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
			100% SUBMISSION		

FIRE CHIEF

SAFETY

CORROSION ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

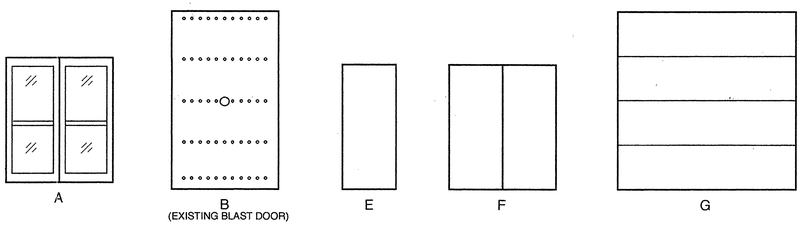
WESTOVER AIR FORCE BASE CHICOPEE. MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510 DETAILS

	SUBMITTED	RECOMMENDED	APPROVED
PROJECT ENGINEER	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
	DESIGNED WAT	SCALE AS NOTED	DRAWING NUMBER HVAC-5 WST 4140
BIO-ENV. ENGINEER	DRAWN WAT DATE 1-10-97	PROJECT NUMBER YTPM 94-0084	SHEET 23 OF 29

DOOR SCHEDULE

OPNG. NO.	DOOR TYPE	DOOR WIDTH x HEIGHT	DOOR MAT.	DOOR FIN.	FRAME TYPE	FRAME FIN.	FRAME HEAD	FRAME JAMB	FRAME SILL	LABEL	HWDR. SET	REMARKS
1	A	(2) 3'-0" X 7'-0" X 1 3/4"	ALUM.	FACT. FIN.	ALUM.	—	—	—	1	—	—	HARDWARE BY STOREFRONT MANUFACTURER
2	B	EXISTING	STL.	PAINT	—	—	—	—		—	—	EXISTING STEEL BLAST DOOR TO REMAIN - REFINISH
3	B	EXISTING	STL.	PAINT	—	—	—	—		—	—	EXISTING STEEL BLAST DOOR TO REMAIN - REFINISH
4	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
5	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
6	E	2'-6" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		—	2	CONFIRM DIMENSION OF EXISTING MASONRY WALL
7	E	2'-6" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	3	1	2	—	3	CONFIRM DIMENSION OF EXISTING MASONRY WALL
8	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	2	
9	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
10	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
11	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		—	1	
12	F	(2) 3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		—	4	
13	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
14	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
15	E	3'-0" X 7'-0" X 1 3/4"	INSUL. MTL.	PAINT	MTL.	PAINT	12	11	1	—	7	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
16	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
17	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
18	F	(2) 3'-0" X 7'-0" X 1 3/4"	INSUL. MTL.	PAINT	MTL.	PAINT	12	11		B	5	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
19	F	(2) 3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	4	2		—	5a	
20	G	10'-0" X 10'-0" X 1 5/8"	INSUL. MTL.	FACT. FIN.	MTL.	PAINT	6	8		—	6	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
21	E	3'-0" X 7'-0" X 1 3/4"	INSUL. MTL.	PAINT	MTL.	PAINT	4	2	1	—	7	
22	G	10'-0" X 10'-0" X 1 5/8"	INSUL. MTL.	FACT. FIN.	MTL.	PAINT	5	7		—	6	
23	C	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
24	F	(2) 2'-4" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	5a	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
25	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	4	2			2A	
26	F	(2) 3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	4	2		—	8	CONFIRM DIMENSION OF EXISTING MASONRY WALL
27	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	4	2		B	2	CONFIRM DIMENSION OF EXISTING MASONRY WALL
28	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
29	E	3'-0" X 7'-0" X 1 3/4"	VAULT	PAINT	SPEC. 11022	PAINT	12	11		—	SPEC. 11022	SEE SPECIFICATION SECTION 11022, VAULT DOOR, FOR FRAME, LOCK & DOOR INFORMATION
30	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
31	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9	2	B	9	
32	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9	2	B	9	
33	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		—	10	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
34	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		—	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
35	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	10	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
36	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		—	1	
37	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		—	1	
38	E	2'-6" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		—	2	CONFIRM DIMENSION OF EXISTING MASONRY WALL
39	E	2'-6" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	3	1	2	—	3	CONFIRM DIMENSION OF EXISTING MASONRY WALL
40	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
41	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	2	
42	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
43	E	3'-0" X 7'-0" X 1 3/4"	INSUL. MTL.	PAINT	MTL.	PAINT	4	2	1	—	7	
44	A	(2)3'-0" X 7'-0" X 1 3/4"	ALUM.	FACT. FIN.	ALUM.	—				—	—	HARDWARE BY STOREFRONT MANUFACTURER



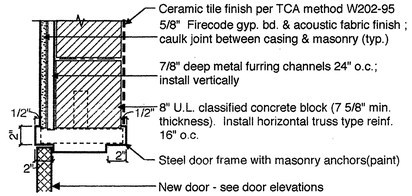
DOOR TYPES
NOT TO SCALE

THRESHOLDS:

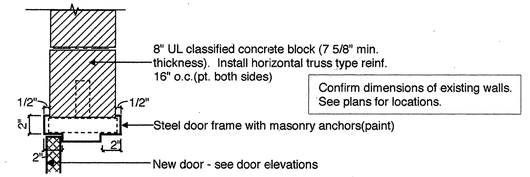
1. ALUMINUM AT EXTERIOR LOCATIONS

2. MARBLE

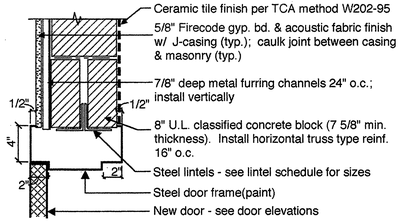
ALL OTHER LOCATIONS PROVIDE TRANSITION STRIPS APPROPRIATE TO FLOORING SYSTEMS SPECIFIED.



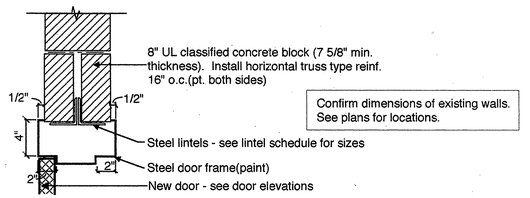
EXISTING CMU WALL/ JAMB DETAIL (1)
scale: 1 1/2" = 1'-0"



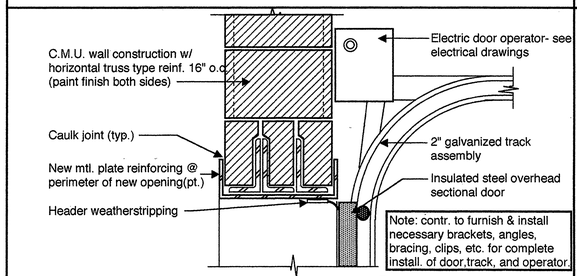
CMU WALL/ JAMB DETAIL (2)
scale: 1 1/2" = 1'-0"



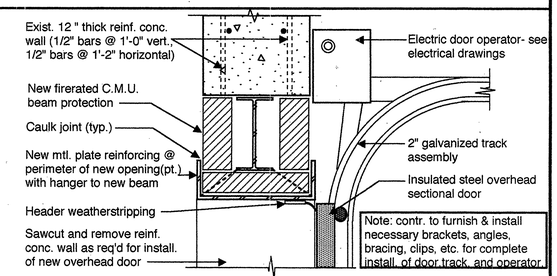
EXISTING CMU WALL/ HEAD DETAIL (3)
scale: 1 1/2" = 1'-0"



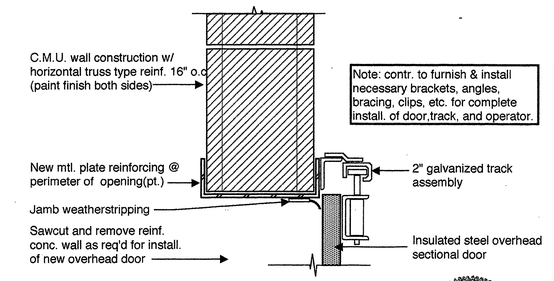
CMU WALL/ HEAD DETAIL (4)
scale: 1 1/2" = 1'-0"



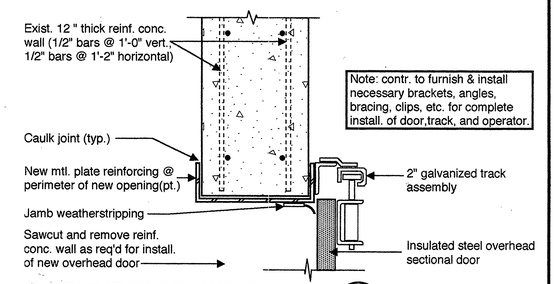
OVERHEAD DOOR HEAD DETAIL (5)
scale: 1 1/2" = 1'-0"



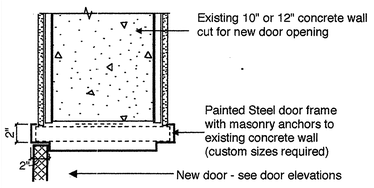
OVERHEAD DOOR HEAD DETAIL (6)
scale: 1 1/2" = 1'-0"



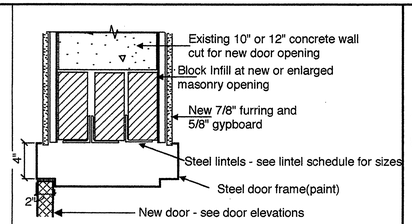
OVERHEAD DOOR JAMB DETAIL (7)
scale: 1 1/2" = 1'-0"



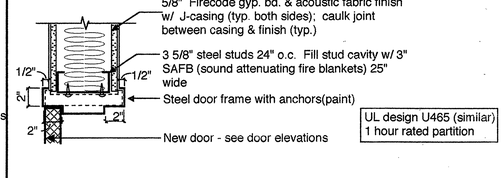
OVERHEAD DOOR JAMB DETAIL (8)
scale: 1 1/2" = 1'-0"



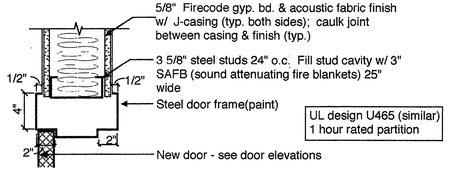
CONCRETE WALL/ JAMB DETAIL (11)
scale: 1 1/2" = 1'-0"



CONCRETE WALL/ HEAD DETAIL (12)
scale: 1 1/2" = 1'-0"



FIRE RATED WALL/ JAMB DETAIL (9)
scale: 1 1/2" = 1'-0"



FIRE RATED WALL/ HEAD DETAIL (10)
scale: 1 1/2" = 1'-0"

REV..	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
DOOR SCHEDULES AND DETAILS

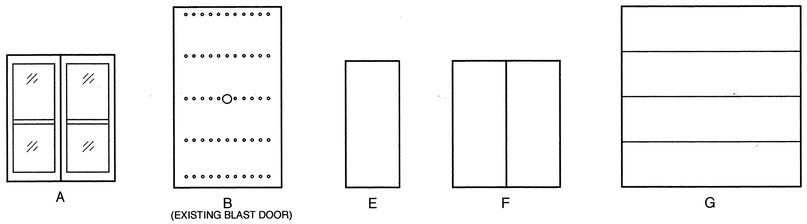
SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
KRJ	NOT TO SCALE	WST 4140 A -8

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV 96	YTPM 94-0084	12 OF 29

DOOR SCHEDULE

OPNG. NO.	DOOR TYPE	DOOR WIDTH x HEIGHT	DOOR MAT.	DOOR FIN.	FRAME TYPE	FRAME FIN.	FRAME HEAD	FRAME JAMB	FRAME SILL	LABEL	HWDR. SET	REMARKS
1	A	(2) 3'-0" X 7'-0" X 1 3/4"	ALUM.	FACT. FIN	ALUM.	—	—	—	1	—	—	HARDWARE BY STOREFRONT MANUFACTURER
2	B	EXISTING	STL.	PAINT	—	—	—	—		—	—	EXISTING STEEL BLAST DOOR TO REMAIN - REFINISH
3	B	EXISTING	STL.	PAINT	—	—	—	—		—	—	EXISTING STEEL BLAST DOOR TO REMAIN - REFINISH
4	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
5	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
6	E	2'-6" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		—	2	CONFIRM DIMENSION OF EXISTING MASONRY WALL
7	E	2'-6" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	3	1	2	—	3	CONFIRM DIMENSION OF EXISTING MASONRY WALL
8	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	2	
9	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
10	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
11	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		—	1	
12	F	(2) 3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		—	4	
13	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
14	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
15	E	3'-0" X 7'-0" X 1 3/4"	INSUL. MTL.	PAINT	MTL.	PAINT	12	11	1	—	7	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
16	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
17	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
18	F	(2) 3'-0" X 7'-0" X 1 3/4"	INSUL. MTL.	PAINT	MTL.	PAINT	12	11		B	5	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
19	F	(2) 3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	4	2		—	5a	
20	G	10'-0" X 10'-0" X 1 5/8"	INSUL. MTL.	FACT. FIN	MTL.	PAINT	6	8		—	6	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
21	E	3'-0" X 7'-0" X 1 3/4"	INSUL. MTL.	PAINT	MTL.	PAINT	4	2	1	—	7	
22	G	10'-0" X 10'-0" X 1 5/8"	INSUL. MTL.	FACT. FIN	MTL.	PAINT	5	7		—	6	
23	C	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
24	F	(2) 2'-4" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	5a	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
25	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	4	2			7	
26	F	(2) 3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	4	2		—	8	CONFIRM DIMENSION OF EXISTING MASONRY WALL
27	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	4	2		B	2	CONFIRM DIMENSION OF EXISTING MASONRY WALL
28	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
29	E	3'-0" X 7'-0" X 1 3/4"	VAULT	PAINT	SPEC. 11022	PAINT	12	11		—	SPEC. 11022	SEE SPECIFICATION SECTION 11022, VAULT DOOR, FOR FRAME, LOCK & DOOR INFORMATION
30	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	1	
31	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9	2	B	9	
32	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9	2	B	9	
33	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		—	10	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
34	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		—	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
35	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	10	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
36	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		—	1	
37	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		—	1	
38	E	2'-6" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		—	2	CONFIRM DIMENSION OF EXISTING MASONRY WALL
39	E	2'-6" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	3	1	2	—	3	CONFIRM DIMENSION OF EXISTING MASONRY WALL
40	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
41	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	10	9		B	2	
42	E	3'-0" X 7'-0" X 1 3/4"	H.M.	PAINT	MTL.	PAINT	12	11		B	1	CONFIRM DIMENSION OF EXISTING CONCRETE WALL
43	E	3'-0" X 7'-0" X 1 3/4"	INSUL. MTL.	PAINT	MTL.	PAINT	4	2	1	—	7	
44	A	(2)3'-0" X 7'-0" X 1 3/4"	ALUM.	FACT. FIN	ALUM.	—				—	—	HARDWARE BY STOREFRONT MANUFACTURER



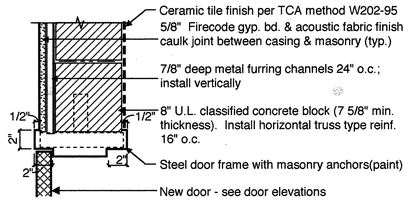
DOOR TYPES
NOT TO SCALE

THRESHOLDS:

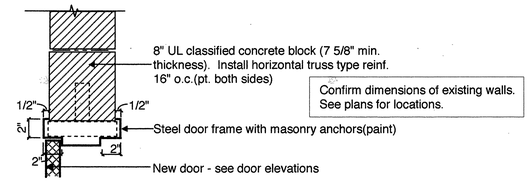
1. ALUMINUM AT EXTERIOR LOCATIONS

2. MARBLE

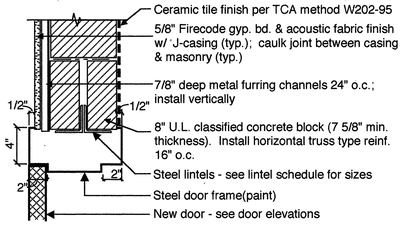
ALL OTHER LOCATIONS PROVIDE TRANSITION STRIPS APPROPRIATE TO FLOORING SYSTEMS SPECIFIED.



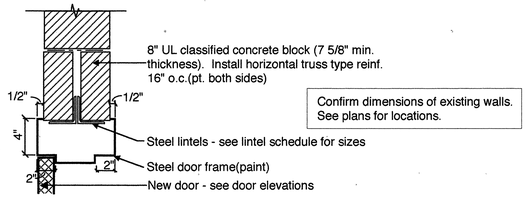
EXISTING CMU WALL/ JAMB DETAIL (1)
scale : 1 1/2" = 1'-0"



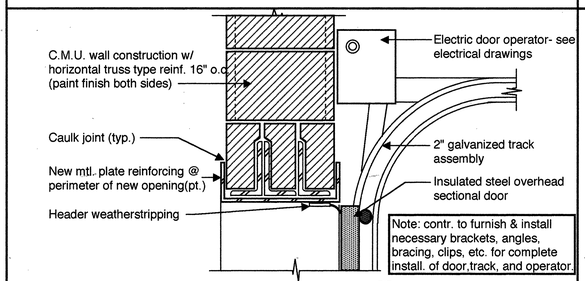
CMU WALL/ JAMB DETAIL (2)
scale : 1 1/2" = 1'-0"



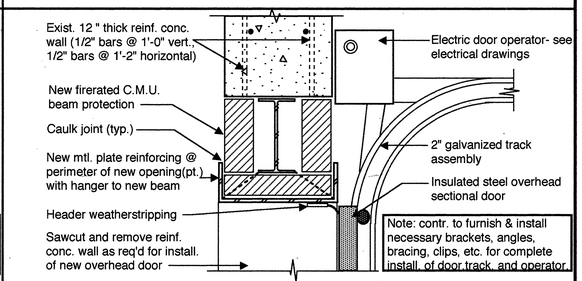
EXISTING CMU WALL/ HEAD DETAIL (3)
scale : 1 1/2" = 1'-0"



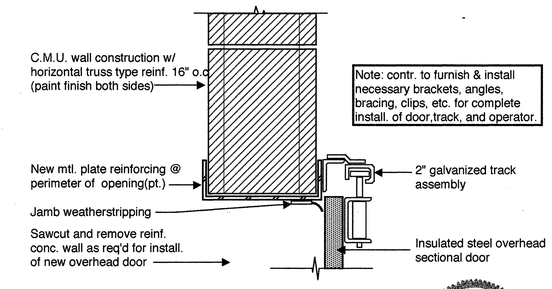
CMU WALL/ HEAD DETAIL (4)
scale : 1 1/2" = 1'-0"



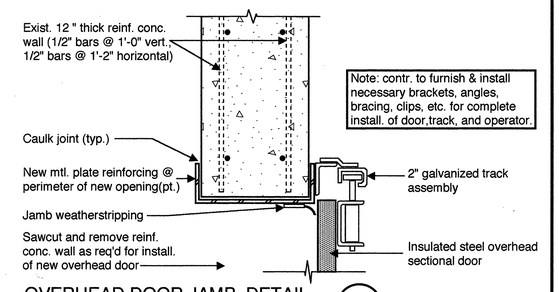
OVERHEAD DOOR HEAD DETAIL (5)
scale : 1 1/2" = 1'-0"



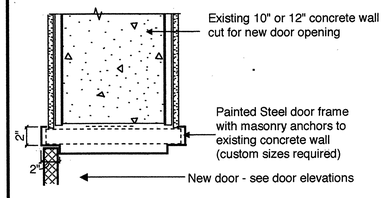
OVERHEAD DOOR HEAD DETAIL (6)
scale : 1 1/2" = 1'-0"



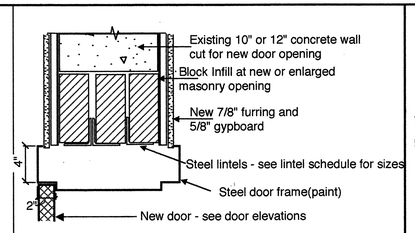
OVERHEAD DOOR JAMB DETAIL (7)
scale : 1 1/2" = 1'-0"



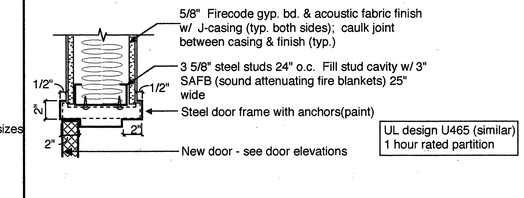
OVERHEAD DOOR JAMB DETAIL (8)
scale : 1 1/2" = 1'-0"



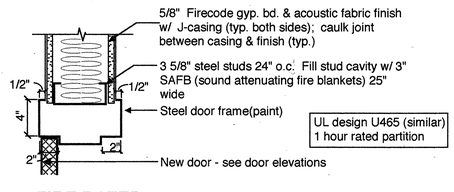
CONCRETE WALL/ JAMB DETAIL (11)
scale : 1 1/2" = 1'-0"



CONCRETE WALL/ HEAD DETAIL (12)
scale : 1 1/2" = 1'-0"



FIRE RATED WALL/ JAMB DETAIL (9)
scale : 1 1/2" = 1'-0"



FIRE RATED WALL/ HEAD DETAIL (10)
scale : 1 1/2" = 1'-0"

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY
FIRE CHIEF
SAFETY
CORROSION ENGINEER
PROJECT ENGINEER
BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

DOOR SCHEDULES AND DETAILS

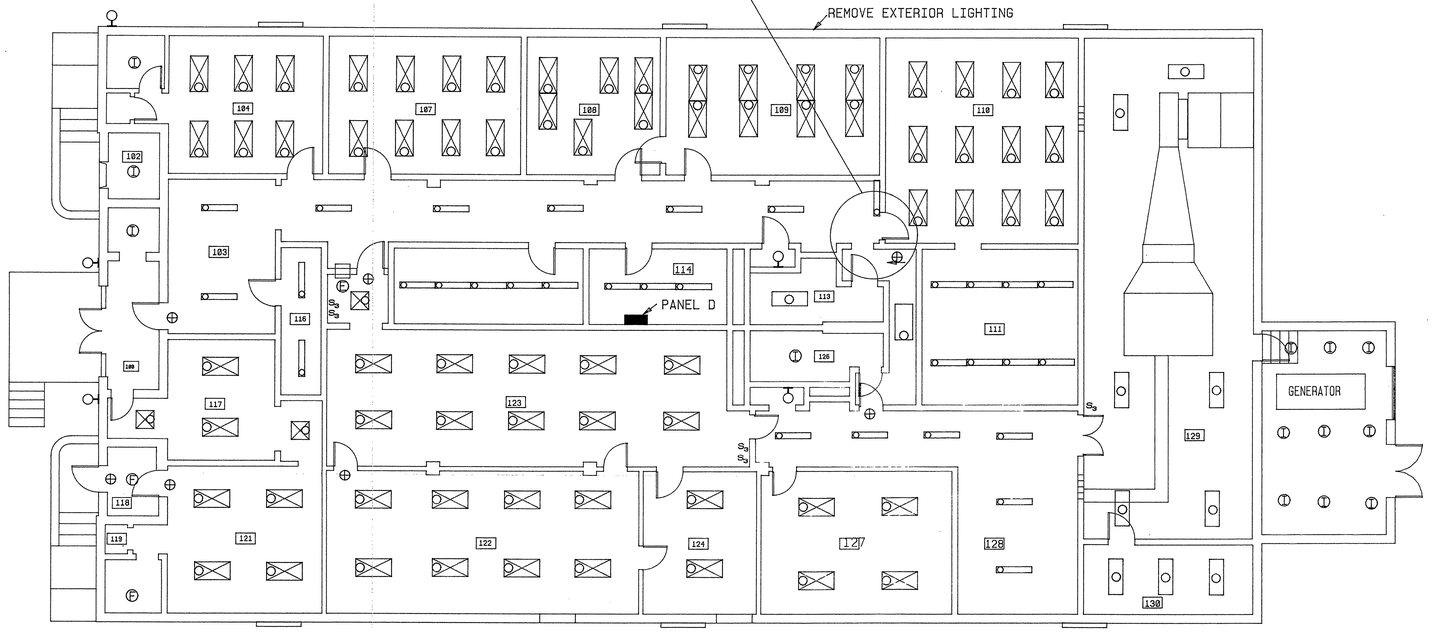
SUBMITTED: CHIEF ENGINEER
RECOMMENDED: BASE ENGINEER
APPROVED: INSTALLATION COMMANDER

DESIGNED: KRJ
DRAWN: KRJ
DATE: 05 NOV 96
SCALE: NOT TO SCALE
PROJECT NUMBER: YTPM 94-0084
DRAWING NUMBER: WST 4140 A -8
SHEET 12 OF 29

NOTE:
APPROX. (1) PCB BALLAST
PER FIXTURE

CAMERA AND MONITOR
TO BE RELOCATED
SEE SHEET E-4

REMOVE EXTERIOR LIGHTING



LIGHTING DEMOLITION PLAN
SCALE 1/8"=1'-0"

NOTES:
1. ALL EQUIPMENT SHOWN IS EXISTING AND WILL BE REMOVED UNLESS OTHERWISE INDICATED.
2. REMOVE CONDUIT AND CONDUCTORS FEEDING EQUIPMENT TO BE REMOVED UNLESS OTHERWISE INDICATED. UPDATE PANEL DIRECTORY
3. RELOCATE BRANCH CIRCUITS INTERFERING WITH NEW CONSTRUCTION.
4. EXISTING 100KW GENERATOR AND RELATED EQUIPMENT WILL REMAIN RELOCATE EQUIPMENT AS SHOWN ON E-1
5. REMOVE ALL EXISTING LIGHTING FIXTURES CONDUIT AND RELATED DEVICES. DISPOSE OF ALL PCB BALLASTS IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.
6. EXISTING EQUIPMENT SHOWN TO REMAIN WILL BE LOCATED AS SHOWN ON DWG. E-1
7. UNLESS OTHERWISE SHOWN, REMOVE DEVICES & CONDUCTORS AND CAP BOXES IN EXTERIOR WALLS. INSTALL NEW CONDUIT AND CONDUCTORS AS SHOWN ON DWG. E-1
8. REMOVE EXISTING FIRE ALARM EQUIPMENT UNLESS OTHERWISE SHOWN,
9. HEAT ALARM, DCO ALARM AND BASE SIREN CONTROL PANELS ARE TO BE REMOVED FOR CONSTRUCTION AND RE-INSTALLED. CO TO VERIFY EQUIPMENT LOCATION. EQUIPMENT SHALL REMAIN OPERABLE AT ALL TIMES

PROTECT EXISTING C2IPS FIBER OPTIC CABLE. CABLE TO REMAIN IN PLACE DURING CONSTRUCTION

RED & BLACK GROUND BUSSES TO BE RELOCATED

RETURN RED & BLACK POWER PANELS TO OWNER

BASE SIREN CONTROL PNL SEE NOTE 9

RELOCATE EXT'G SECURITY DEVICES AS DIRECTED BY OWNER.

BLACK POWER PANEL

RED POWER PANEL

RED POWER PANEL

REMOVE SHREDDER CIRCUIT FROM PANEL A LOCATED IN THE MECHANICAL ROOM

TRANSFER REMAINING LOADS TO NEW PANEL P1 SEE DWG. E-1 FOR PANEL LOCATION

FIRE ALARM PANEL

RE-LOCATE F/A RADIO TRANSMITTER SEE SHEET E-3

REMOVE RECEPTACLES WIREMOLD AND CONDUCTORS

PANEL D

PANEL

TRANSFER REMAINING LOADS TO NEW PANEL P6 LOCATED IN ELECTRICAL ROOM SEE SHEET E-1

REMOVE (4) EXT'G POWER POLES

REMOVE ALL EXT'G HVAC SWITCHES STARTERS, CONDUITS AND CONDUCTORS IN THIS AREA CAP CONDUITS AT FLOOR

AUTOMATIC TRANSFER SWITCH TO BE RELOCATED SEE DWG E-1

SEE NOTE 4

GENERATOR

GEN ROOM PANEL

AMMETERS

CT CABINET

ISOL. TRANSF. TO BE RELOCATED

MANUAL TRANSFER SWITCH ENCLOSURE

REMOVE HALON PANELS CONDUCTORS AND CONDUIT

RELOCATE EXT'G PNL P5 SHUNT TRIP SWITCH. SEE DWG E-1

REMOVE PANEL LP TRANSFER REMAINING LOADS TO NEW PNL P1 SEE SHEET E-1

120/208V 70A2P PANEL

DIST. PANEL P

RELOCATED PANEL A

CT CABINET

200A3P ENCLOSED BREAKERS

REMOVE EXT'G FEEDER CONDUIT AND CONDUCTORS.

SHUNT TRIP SWITCH FROM PANEL P5 TO REMAIN

120/208V. 100A PANEL P5 TO REMAIN

REMOVE EXT'G FEEDER CONDUIT AND CONDUCTORS.

DUCT BOX

400A3P CIRCUIT BREAKER

PANEL M

NOTE:
TRANSFER REMAINING LOADS IN EXISTING PANELS M AND A TO NEW PANEL P-6 IN ELECTRIC ROOM

DUCT BOX

HEAT ALARM SEE NOTE 9

DEVICES ON EXTERIOR WALLS IN THIS AREA WILL REMAIN SEE SHEET E-1

REMOVE CONDUCTORS AND CONDUIT TO EXT'G A/C EQUIPMENT ABOVE

DCO ALARM SEE NOTE 9

REMOVE SERVICE EQUIPMENT AND CONDUCTORS TO 225KVA PADMOUNT TRANSFORMER

UPS EQUIPMENT TO BE REMOVED AND TURNED OVER TO OWNER

POWER DEMOLITION PLAN
SCALE 1/8"=1'-0"

DRAWINGS ARE DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT, THE MAIN COMPONENTS OF THE SYSTEMS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS. BASED ON THE SYSTEM CONCEPT, THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.

NOTE:
#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE, LOCAL RULES, AND REGULATIONS.
#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
USING AGENCY					
FIRE CHIEF					
SAFETY					
CORROSION ENGINEER					
PROJECT ENGINEER					
BIO-ENV. ENGINEER					

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510 ELECTRICAL DEMOLITION PLAN

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

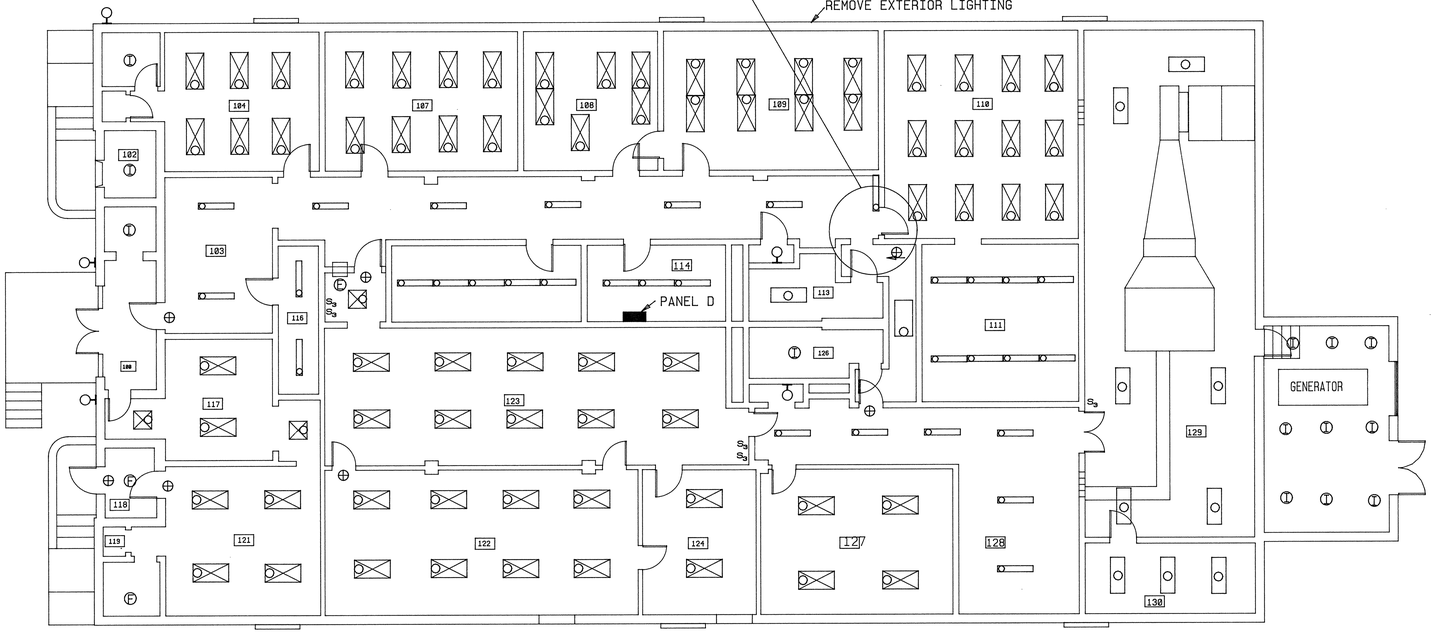
DESIGNED	SCALE	DRAWING NUMBER
WDL	1/8" = 1'-0"	WST4140 ED-1

DRAWN	DATE	PROJECT NUMBER	SHEET
WDL	10 JAN 1997	YTPM 94-0084	24 OF 29

NOTE:
APPROX. (1) PCB BALLAST
PER FIXTURE

CAMERA AND MONITOR
TO BE RELOCATED
SEE SHEET E-4

REMOVE EXTERIOR LIGHTING



NOTES:

1. ALL EQUIPMENT SHOWN IS EXISTING AND WILL BE REMOVED UNLESS OTHERWISE INDICATED.
2. REMOVE CONDUIT AND CONDUCTORS FEEDING EQUIPMENT TO BE REMOVED UNLESS OTHERWISE INDICATED. UPDATE PANEL DIRECTORY
3. RELOCATE BRANCH CIRCUITS INTERFERING WITH NEW CONSTRUCTION.
4. EXISTING 100KW GENERATOR AND RELATED EQUIPMENT WILL REMAIN RELOCATE EQUIPMENT AS SHOWN ON E-1
5. REMOVE ALL EXISTING LIGHTING FIXTURES CONDUIT AND RELATED DEVICES. DISPOSE OF ALL PCB BALLASTS IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.
6. EXISTING EQUIPMENT SHOWN TO REMAIN WILL BE LOCATED AS SHOWN ON DWG. E-1
7. UNLESS OTHERWISE SHOWN, REMOVE DEVICES & CONDUCTORS AND CAP BOXES IN EXTERIOR WALLS. INSTALL NEW CONDUIT AND CONDUCTORS AS SHOWN ON DWG. E-1
8. REMOVE EXISTING FIRE ALARM EQUIPMENT UNLESS OTHERWISE SHOWN,
9. HEAT ALARM, DCO ALARM AND BASE SIREN CONTROL PANELS ARE TO BE REMOVED FOR CONSTRUCTION AND RE-INSTALLED. CO TO VERIFY EQUIPMENT LOCATION. EQUIPMENT SHALL REMAIN OPERABLE AT ALL TIMES

LIGHTING DEMOLITION PLAN

SCALE 1/8"=1'-0"

PROTECT EXISTING CEIPS FIBER OPTIC CABLE. CABLE TO REMAIN IN PLACE DURING CONSTRUCTION

RED & BLACK GROUND BUSSES TO BE RELOCATED

RETURN RED & BLACK POWER PANELS TO OWNER

BASE SIREN CONTROL PNL SEE NOTE 9

RELOCATE EXT'G SECURITY DEVICES AS DIRECTED BY OWNER.

BLACK POWER PANEL

RED POWER PANEL

REMOVE SHREDDER CIRCUIT FROM PANEL A LOCATED IN THE MECHANICAL ROOM

TRANSFER REMAINING LOADS TO NEW PANEL P1 SEE DWG. E-1 FOR PANEL LOCATION

FIRE ALARM PANEL

RE-LOCATE F/A RADIO TRANSMITTER SEE SHEET E-3

REMOVE RECEPTACLES WIREMOLD AND CONDUCTORS

PANEL D

RED POWER PANEL

PANEL

TRANSFER REMAINING LOADS TO NEW PANEL P6 LOCATED IN ELECTRICAL ROOM SEE SHEET E-1

REMOVE (4) EXT'G POWER POLES

REMOVE ALL EXT'G HVAC SWITCHES STARTERS, CONDUITS AND CONDUCTORS IN THIS AREA CAP CONDUITS AT FLOOR

AUTOMATIC TRANSFER SWITCH TO BE RELOCATED SEE DWG E-1

SEE NOTE 4

GENERATOR

GEN ROOM PANEL

AMMETERS

ISOL. TRANSF. TO BE RELOCATED

CT CABINET

MANUAL TRANSFER SWITCH ENCLOSURE

CT CABINET

200A3P ENCLOSED BREAKERS

DUCT BOX

REMOVE HALON PANELS CONDUCTORS AND CONDUIT

RELOCATE EXT'G PNL P5 SHUNT TRIP SWITCH. SEE DWG E-1

REMOVE PANEL LP TRANSFER REMAINING LOADS TO NEW PNL P1 SEE SHEET E-1

120/208V 70A2P PANEL

REMOVE EXT'G FEEDER CONDUIT AND CONDUCTORS.

SHUNT TRIP SWITCH FROM PANEL P5 TO REMAIN

120/208V, 100A PANEL P5 TO REMAIN

REMOVE EXT'G FEEDER CONDUIT AND CONDUCTORS.

DIST. PANEL P

RELOCATED PANEL A

400A3P CIRCUIT BREAKER

PANEL M

DUCT BOX

NOTE:
TRANSFER REMAINING LOADS IN EXISTING PANELS M AND A TO NEW PANEL P-6 IN ELECTRIC ROOM

HEAT ALARM SEE NOTE 9

DEVICES ON EXTERIOR WALLS IN THIS AREA WILL REMAIN SEE SHEET E-1

REMOVE CONDUCTORS AND CONDUIT TO EXT'G A/C EQUIPMENT ABOVE

DCO ALARM SEE NOTE 9

UPS EQUIPMENT TO BE REMOVED AND TURNED OVER TO OWNER

REMOVE SERVICE EQUIPMENT AND CONDUCTORS TO 225KVA PADMOUNT TRANSFORMER

POWER DEMOLITION PLAN

SCALE 1/8"=1'-0"

DRAWINGS ARE DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT. THE MAIN COMPONENTS OF THE SYSTEMS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, BASED ON THE SYSTEM CONCEPT. THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.

NOTE:
#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE, LOCAL RULES, AND REGULATIONS.
#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

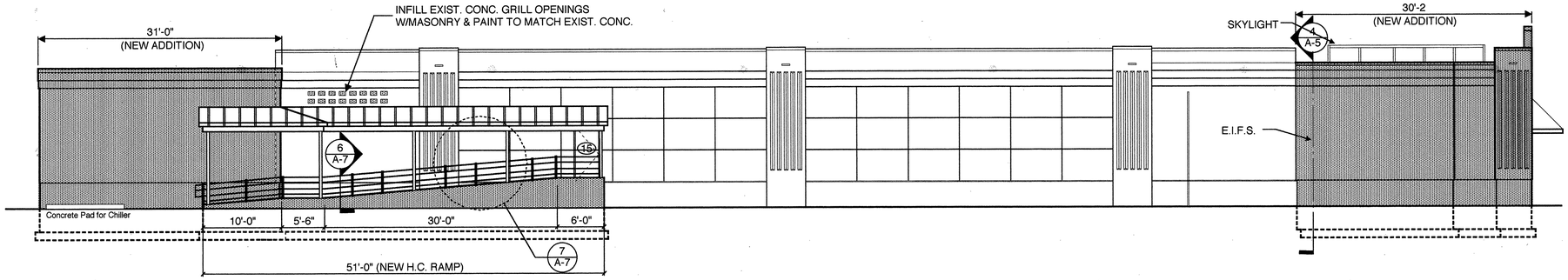
CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510 ELECTRICAL DEMOLITION PLAN

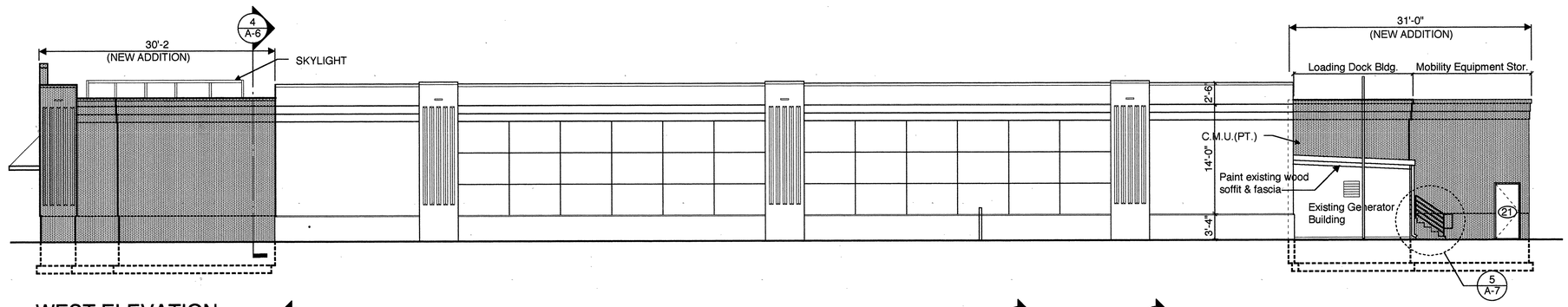
SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
DESIGNED WDL	SCALE 1/8" = 1'-0"	DRAWING NUMBER WST4140 ED- 1
DRAWN WDL / DATE 10 JAN 1997	PROJECT NUMBER YTPM 94-0084	SHEET 24 OF 29

COMMONWEALTH OF MASSACHUSETTS — WILLIAM D. TOTTE — No. 35477 — REGISTERED PROFESSIONAL ENGINEER



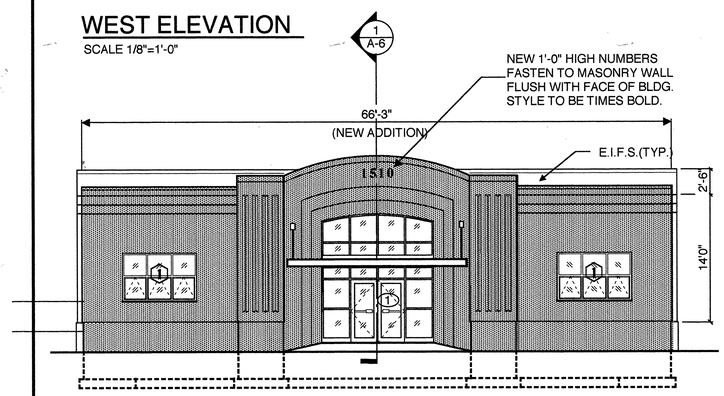
EAST ELEVATION

SCALE 1/8"=1'-0"



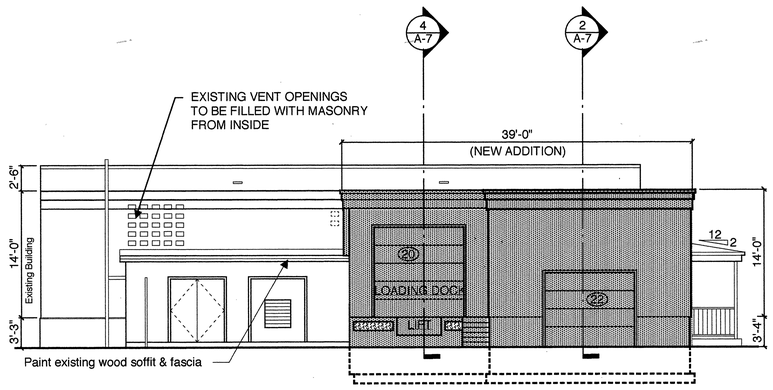
WEST ELEVATION

SCALE 1/8"=1'-0"



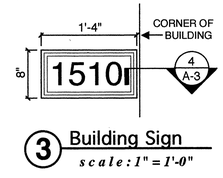
NORTH ELEVATION

SCALE 1/8"=1'-0"



SOUTH ELEVATION

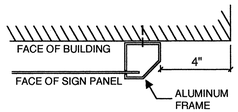
SCALE 1/8"=1'-0"



3 Building Sign

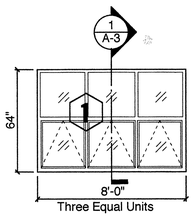
scale: 1" = 1'-0"

NOTE: SIGN PROVIDED BY WARB AND MOUNTED ON BUILDING BY G.C. FASTEN TO CONCRETE WALL AT REAR RIGHT HAND SIDE OF BUILDING.



4 Sign Detail

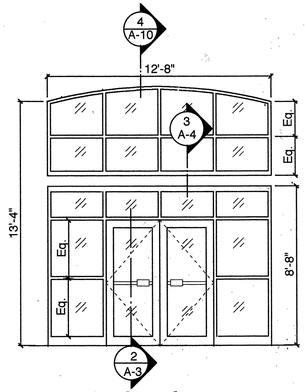
scale: 3" = 1'-0"



Operable Windows

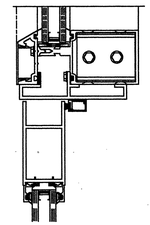
scale: 1/4" = 1'-0"

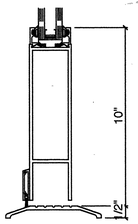
Note: Color of Storefront System and Operable Windows shall be equal to "Sea Spray" by Efco Corp. No.789G004



Exterior Storefront

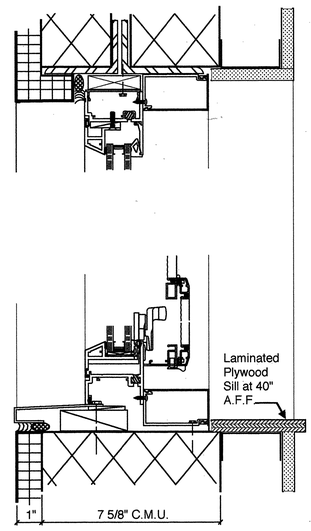
scale: 1/4" = 1'-0"





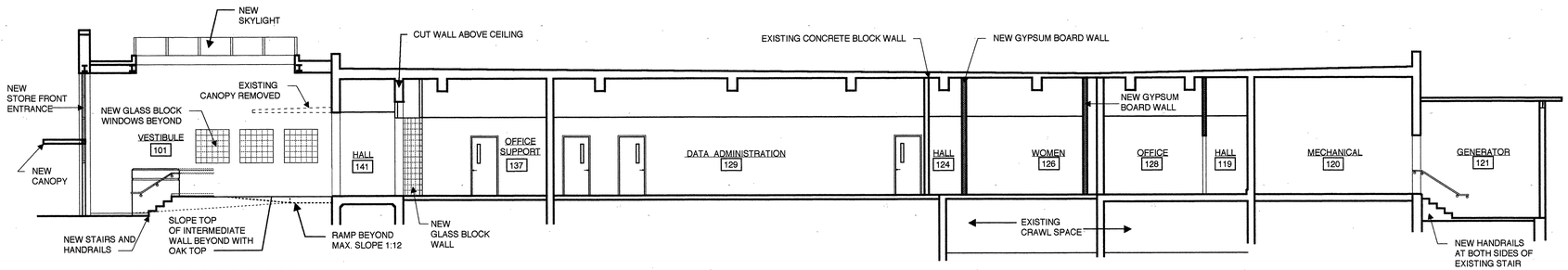
2 Door at Entry

scale: 3" = 1'-0"



1 Operable Window

scale: 3" = 1'-0"



TYP. BUILDING SECTION

SCALE 1/8"=1'-0"

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

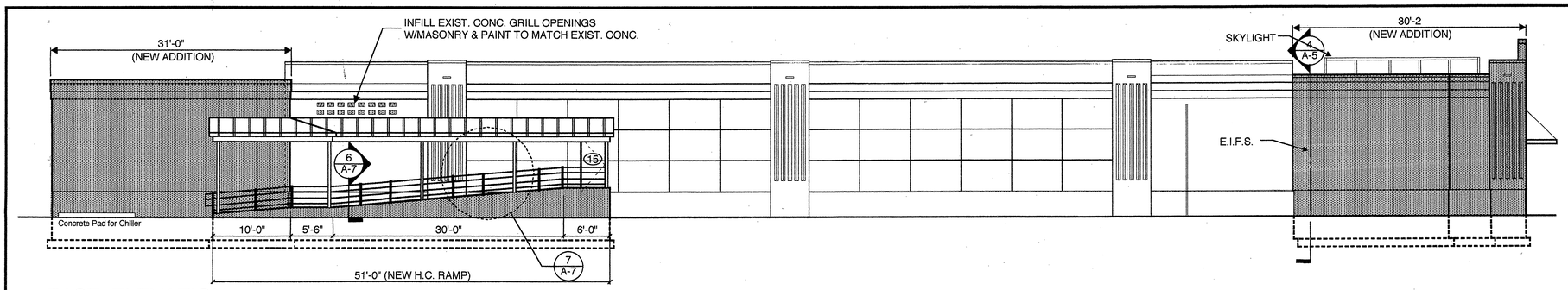
M/R/A COMMUNICATIONS BUILDING 1510

EXTERIOR ELEVATIONS AND SECTIONS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

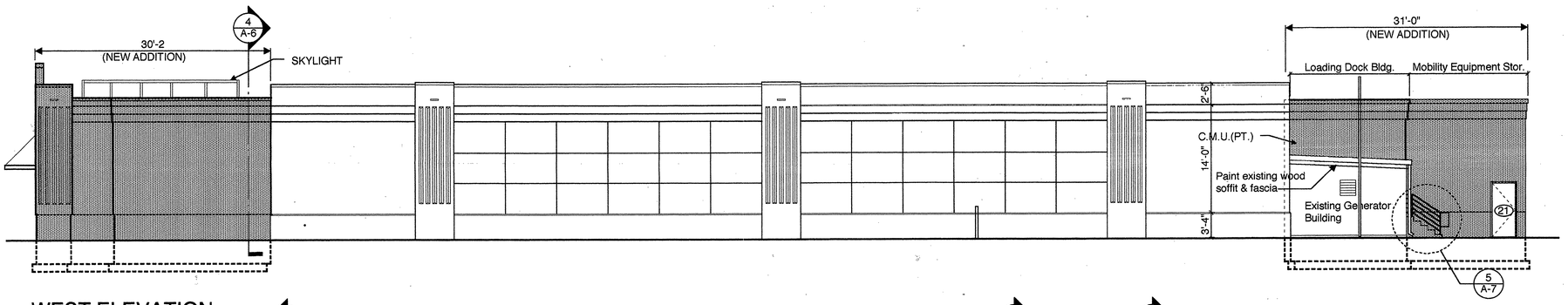
DESIGNED	SCALE	DRAWING NUMBER
KRJ	1/8" = 1'-0"	WST 4140 A - 3

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV. 1996	YTPM 94-0084	7 OF 29



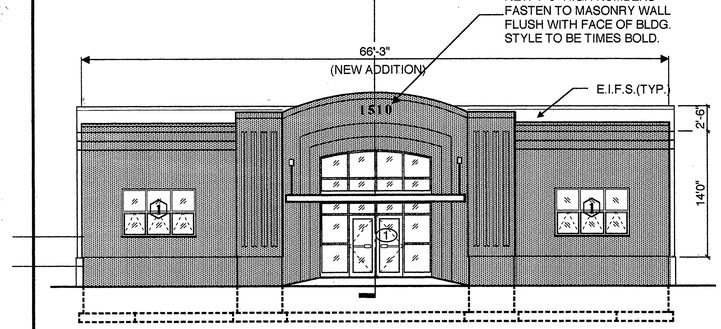
EAST ELEVATION

SCALE 1/8"=1'-0"



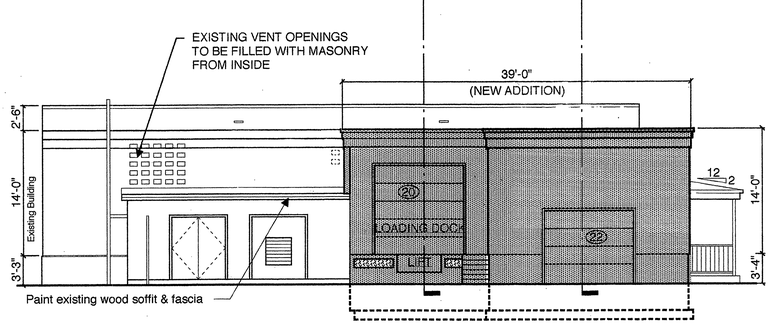
WEST ELEVATION

SCALE 1/8"=1'-0"



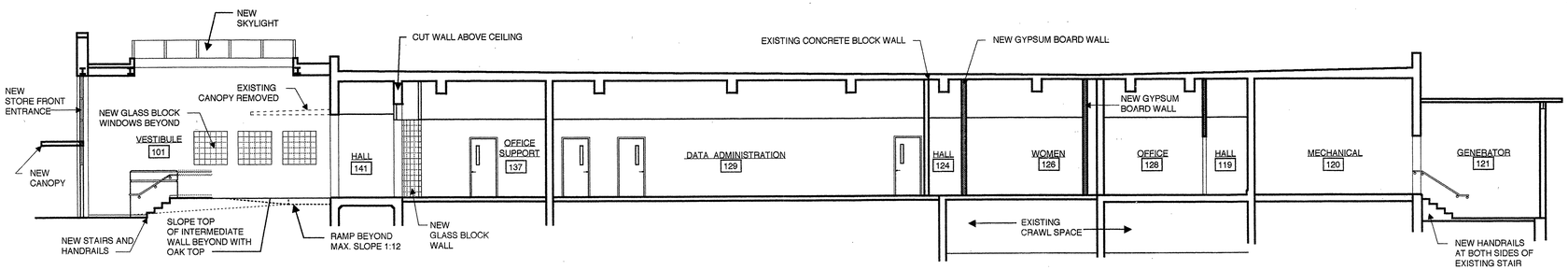
NORTH ELEVATION

SCALE 1/8"=1'-0"



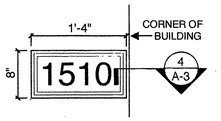
SOUTH ELEVATION

SCALE 1/8"=1'-0"



TYP. BUILDING SECTION

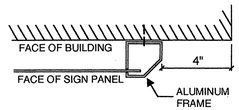
SCALE 1/8"=1'-0"



3 Building Sign

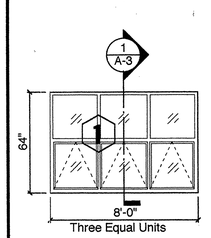
scale: 1" = 1'-0"

NOTE: SIGN PROVIDED BY WARB AND MOUNTED ON BUILDING BY G.C. FASTEN TO CONCRETE WALL AT REAR RIGHT HAND SIDE OF BUILDING.



4 Sign Detail

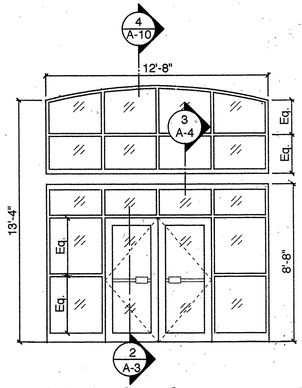
scale: 3" = 1'-0"



Operable Windows

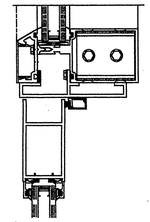
scale: 1/4" = 1'-0"

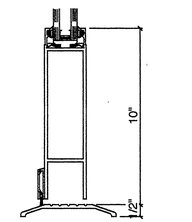
Note: Color of Storefront System and Operable Windows shall be equal to "Sea Spray" by Efco Corp. No.789G004



Exterior Storefront

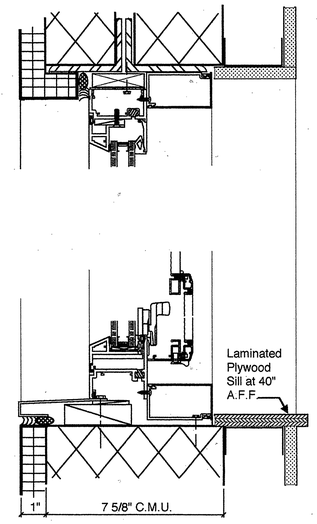
scale: 1/4" = 1'-0"





2 Door at Entry

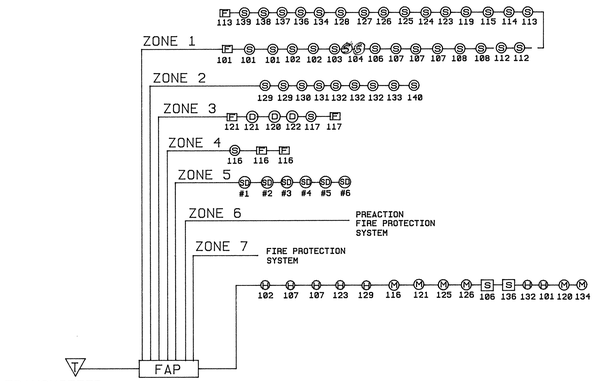
scale: 3" = 1'-0"



1 Operable Window

scale: 3" = 1'-0"

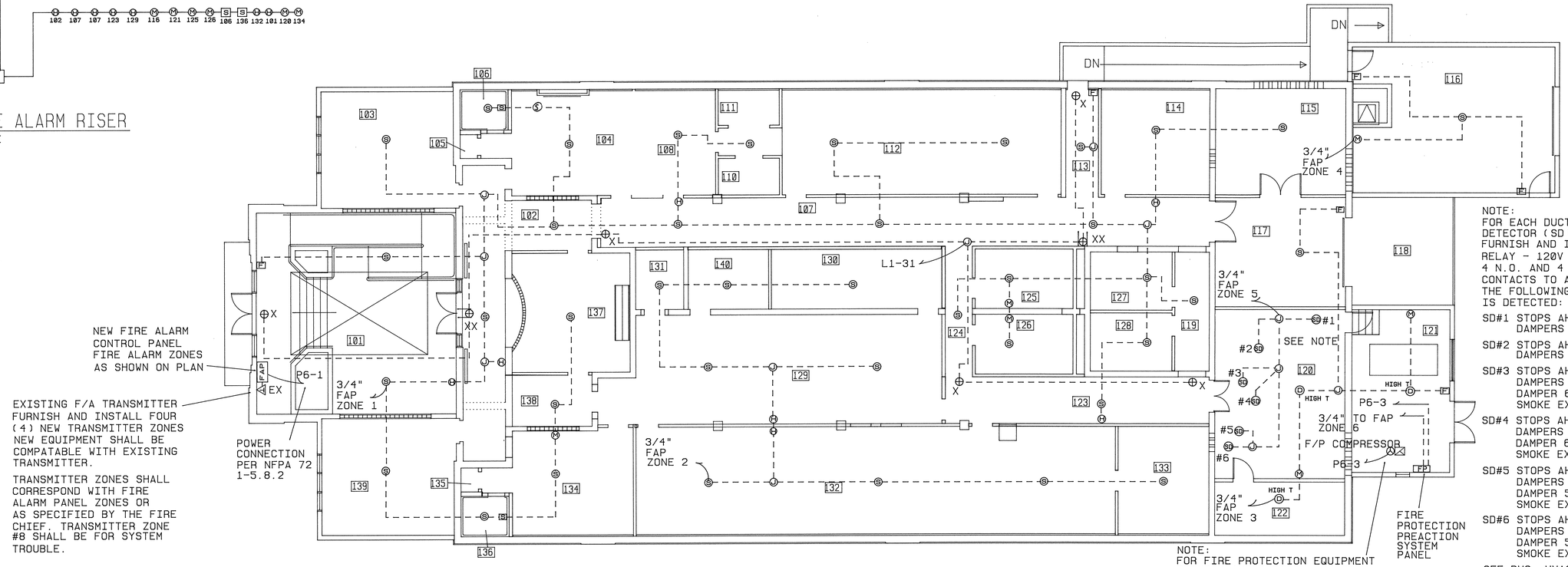
USING AGENCY	1	01-10-97	100% SUBMISSION		
	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF	AIR FORCE RESERVE				
	CIVIL ENGINEERING				
SAFETY	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
CORROSION ENGINEER	M/R/A COMMUNICATIONS BUILDING 1510				
	EXTERIOR ELEVATIONS AND SECTIONS				
PROJECT ENGINEER	SUBMITTED	CHIEF ENGINEER	RECOMMENDED	BASE ENGINEER	APPROVED	INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED KRJ	SCALE 1/8" = 1'-0"	DRAWING NUMBER WST 4140	A - 3		
	DRAWN KRJ	DATE 05 NOV. 1996	PROJECT NUMBER YTPM 94-0084	SHEET 7 OF 29		



FIRE ALARM RISER

NO SCALE

NOTE:
ROOM NUMBERS ARE SHOWN
ADDRESSES TO BE PROVIDED BY
EQUIPMENT INSTALLER. WIRING
AS RECOMMENDED BY THE EQUIPMENT
MANUFACTURER. FOR LOCATIONS
SEE DRAWING E-3



NOTE:
FOR EACH DUCT SMOKE DETECTOR (SD) FURNISH AND INSTALL 4 POLE RELAY - 120V COIL WITH 4 N.O. AND 4 N.C. 20A CONTACTS TO ACCOMPLISH THE FOLLOWING WHEN SMOKE IS DETECTED:

SD#1 STOPS AHU#1 AND CLOSES DAMPERS 1&2

SD#2 STOPS AHU#1 AND CLOSES DAMPERS 1&2

SD#3 STOPS AHU#2 AND CLOSES DAMPERS 3&4
DAMPER 6 OPENS AND
SMOKE EXH. FAN STARTS

SD#4 STOPS AHU#2 AND CLOSES DAMPERS 3&4
DAMPER 6 OPENS AND
SMOKE EXH. FAN STARTS

SD#5 STOPS AHU#3 AND CLOSES DAMPERS 7&8
DAMPER 5 OPENS AND
SMOKE EXH. FAN STARTS

SD#6 STOPS AHU#3 AND CLOSES DAMPERS 7&8
DAMPER 5 OPENS AND
SMOKE EXH. FAN STARTS

SEE DWG. HVAC#3 AND E-1

NOTE:
FOR FIRE PROTECTION EQUIPMENT FURNISH AND INSTALL MONITOR MODULES FOR EACH TAMPER SWITCH
SEE DWG FP-1 ITEMS 2,4,6,7,18

FURNISH AND INSTALL CONTROL MODULES FOR DELUGE RELEASE
SEE DWG FP-1 ITEMS 9,10
E.C. TO WIRE AIR COMPRESSOR CONTROL AND CONTROL PANEL BATTERY BACKUP

WIRE TO FIRE ALARM PANEL IN 3/4" ACCORDING TO MANUFACTURERS INSTRUCTIONS. PREACTION SYSTEM ZONE 6
REMAINING SPRINKLER SYSTEM ZONE 7

TAMPER SWITCH ALARMS SHALL BE TRANSMITTED AS TROUBLE ALARMS.

FIRE ALARM AND EXIT SIGN PLAN

SCALE 1/8"=1'-0"

NOTES:

#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE, LOCAL RULES, AND REGULATIONS.

#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

#3 FIRE ALARM ZONES AND DEVICE TYPES ARE TO BE COORDINATED IN THE FIELD BY THE CONTRACTING OFFICER AND THE FIRE CHIEF.
WIRE ACCORDING TO MANUFACTURER'S INSTRUCTIONS IN 3/4" EMT MIN.

#4 ALL EQUIPMENT SHOWN IS NEW UNLESS INDICATED BY "EX"

#5 ALL FIRE ALARM WIRING AND EQUIPMENT SHALL BE CLASS "A"

DRAWINGS ARE DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT. THE MAIN COMPONENTS OF THE SYSTEMS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS. BASED ON THE SYSTEM CONCEPT, THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.

COMMONWEALTH OF MASSACHUSETTS — WILLIAM D. CRAPO — No. 39477 — REGISTERED PROFESSIONAL ENGINEER

REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

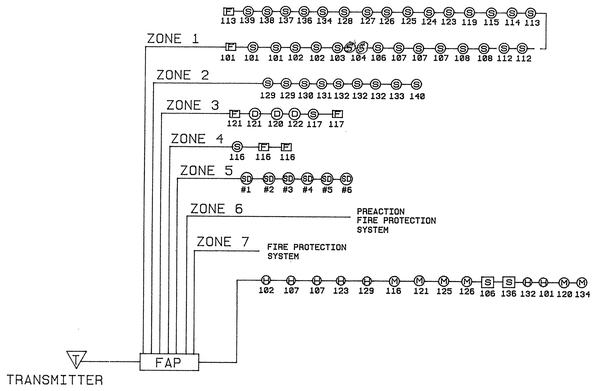
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
FIRE ALARM & COMMUNICATION PLAN

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
WDL	1/8" = 1'-0"	WST4140 E - 3

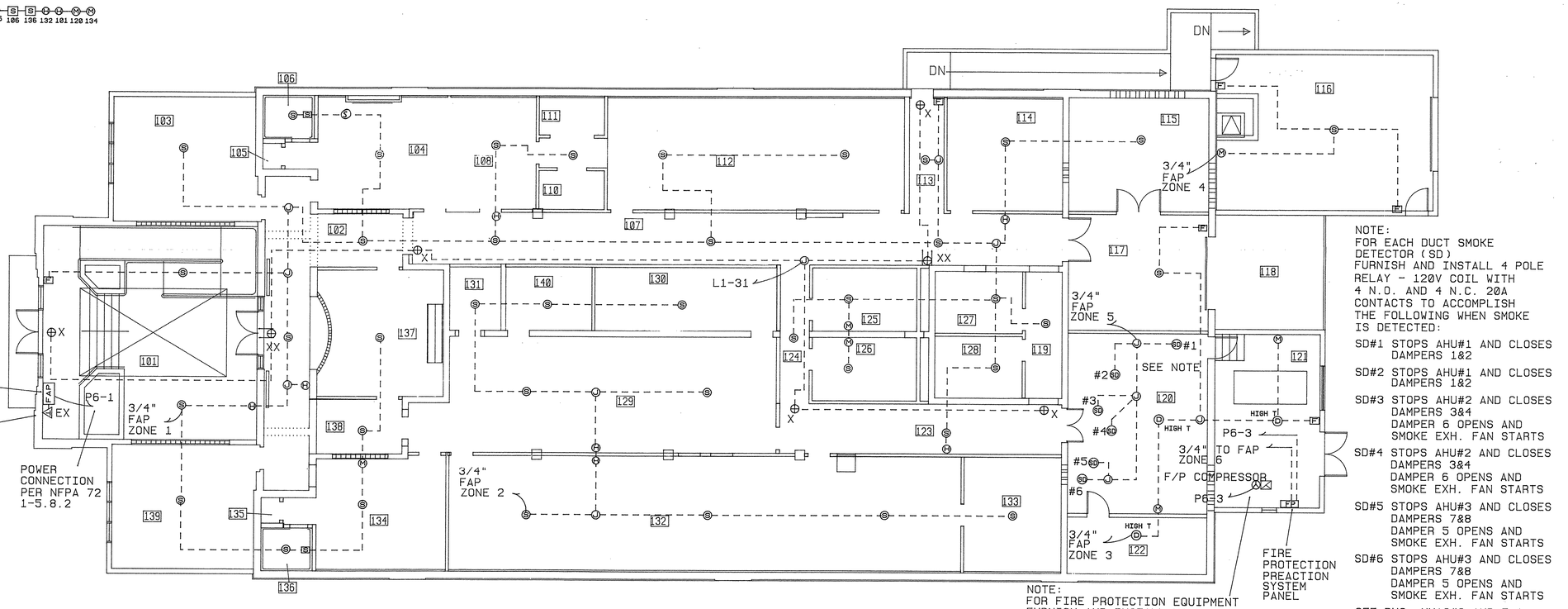
DRAWN	DATE	PROJECT NUMBER	SHEET
WDL	10 JAN 1997	YTPM 94-0084	27 OF 29



FIRE ALARM RISER

NO SCALE

NOTE:
ROOM NUMBERS ARE SHOWN ADDRESSES TO BE PROVIDED BY EQUIPMENT INSTALLER. WIRING AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. FOR LOCATIONS SEE DRAWING E-3



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SD#2 STOPS AHU#1 AND CLOSES DAMPERS 1&2

SD#3 STOPS AHU#2 AND CLOSES DAMPERS 3&4
DAMPER 6 OPENS AND SMOKE EXH. FAN STARTS

SD#4 STOPS AHU#2 AND CLOSES DAMPERS 3&4
DAMPER 6 OPENS AND SMOKE EXH. FAN STARTS

SD#5 STOPS AHU#3 AND CLOSES DAMPERS 7&8
DAMPER 5 OPENS AND SMOKE EXH. FAN STARTS

SD#6 STOPS AHU#3 AND CLOSES DAMPERS 7&8
DAMPER 5 OPENS AND SMOKE EXH. FAN STARTS

SEE DWG. HVAC#3 AND E-1

NOTE:
FOR FIRE PROTECTION EQUIPMENT FURNISH AND INSTALL MONITOR MODULES FOR EACH TAMPER SWITCH SEE DWG FP-1 ITEMS 2,4,6,7,18

FURNISH AND INSTALL CONTROL MODULES FOR DELUGE RELEASE SEE DWG FP-1 ITEMS 9,10
E.C. TO WIRE AIR COMPRESSOR CONTROL AND CONTROL PANEL BATTERY BACKUP

WIRE TO FIRE ALARM PANEL IN 3/4" ACCORDING TO MANUFACTURERS INSTRUCTIONS. PREACTION SYSTEM ZONE 6
REMAINING SPRINKLER SYSTEM ZONE 7

TAMPER SWITCH ALARMS SHALL BE TRANSMITTED AS TROUBLE ALARMS.

FIRE ALARM AND EXIT SIGN PLAN

NORTH

SCALE 1/8"=1'-0"

NOTES:

#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE, LOCAL RULES, AND REGULATIONS.

#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

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WIRE ACCORDING TO MANUFACTURER'S INSTRUCTIONS IN 3/4" EMT MIN.

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COMMONWEALTH OF MASSACHUSETTS — WILLIAM D. LITTLE — No. 29477 — REGISTERED PROFESSIONAL ENGINEER

4/9/97

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF					
SAFETY					
CORROSION ENGINEER					
PROJECT ENGINEER					
BIO-ENV. ENGINEER					

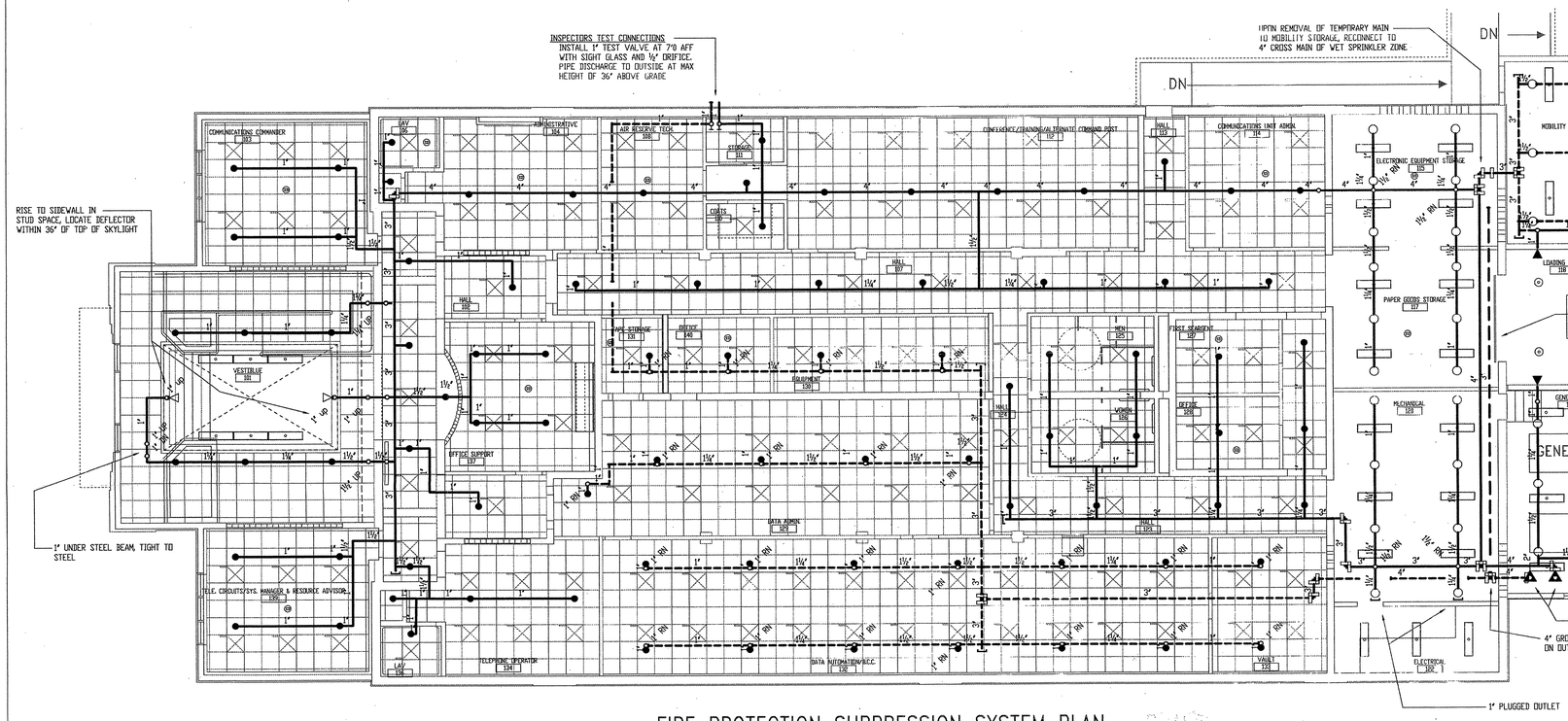
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
FIRE ALARM & COMMUNICATION PLAN

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

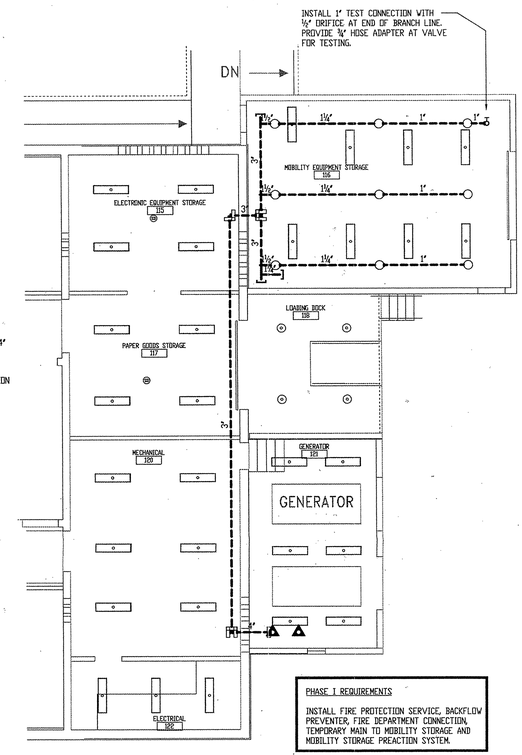
DESIGNED	SCALE	DRAWING NUMBER
WDL	1/8" = 1'-0"	WST4110 E - 3

DRAWN	DATE	PROJECT NUMBER	SHEET
WDL	10 JAN 1997	YTPM 94-0084	27 OF 29



FIRE PROTECTION SUPPRESSION SYSTEM PLAN – PHASE I

SCALE 1/8"=1'-0"

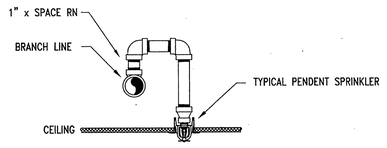


PHASE I REQUIREMENTS

INSTALL FIRE PROTECTION SERVICE, BACKFLOW PREVENTER, FIRE DEPARTMENT CONNECTION, TEMPORARY MAIN TO MOBILITY STORAGE AND MOBILITY STORAGE PREACTION SYSTEM.

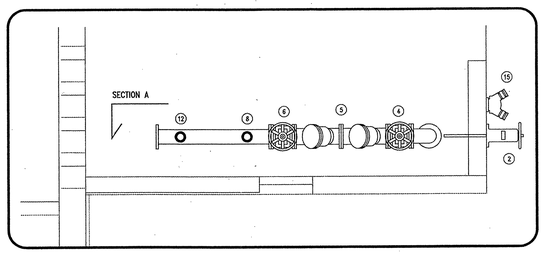
FIRE PROTECTION SUPPRESSION SYSTEM PLAN – PHASE II

SCALE 1/8"=1'-0"



PREACTION SYSTEM RETURN BEND

NTS



RISER ROOM PLAN – PHASE I

SCALE 3/8"=1'-0"

RISER SCHEDULE

1. 6" CEMENT LINED DUCTILE IRON WATER SERVICE
2. 6" WALL POST INDICATOR VALVE WITH TAMPER SWITCH
3. 6" FLANGED ELL
4. 6" DS&Y GATE VALVE WITH TAMPER SWITCH
5. 6" DOUBLE CHECK VALVE
6. 6" DS&Y GATE VALVE WITH TAMPER SWITCH
7. CONTROL VALVE WITH TAMPER SWITCH
8. ALARM CHECK VALVE
9. SUPPLY TO WET SYSTEM, ZONE #1
10. BATTERY BACK-UP POWER SUPPLY
11. PREACTION SYSTEM CONTROL PANEL
12. 4" TO FIRE DEPT CONNECTION
13. 4" CHECK VALVE
14. AUTO BALL DRIP
15. 2½x2½x4 FIRE DEPARTMENT CONNECTION
16. PIPE SUPPORT
17. WATER MOTOR GONG
18. 4" DS&Y GATE VALVE WITH T.S.
19. DELUGE VALVE
20. CHECK VALVE WITH MAIN DRAIN
21. AIR MAINTENANCE DEVICE
22. AIR COMPRESSOR
23. 4" TO DOUBLE INTERLOCK PREACTION SYSTEM

0 4' SCALE 3/8" = 1'-0"

0 4' 8' SCALE 1/4" = 1'-0"

0 8' 16' SCALE 1/8" = 1'-0"

LEGEND

- SEMI-RECESSED PENDENT SPRINKLER
- BRASS UPRIGHT SPRINKLER
- CHROME SEMI-RECESSED HORIZ SIDEWALL (212°)
- DRY HORIZONTAL SIDEWALL SPRINKLER
- SYSTEM RISER
- DROP OR RISE
- WET SYSTEM PIPING (BLACK STEEL)
- PREACTION SYSTEM PIPING (GALVANIZED STEEL)
- PIPING TO BE REMOVED

GENERAL NOTES:

1. Exposed upright sprinkler head locations shall be coordinated with other piping, equipment, ducts, structural members, etc. in accordance with NFPA 13.
2. Provide and install additional sprinkler heads under ductwork and obstructions as required by NFPA 13. (see M- for ductwork locations).
3. All hangers and hanger locations to be in accordance with NFPA Pamphlet No. 13.
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5. This drawing is intended to show the general arrangement and extent of work to be done. The locations given are approximate and are subject to modifications as may be found necessary to meet any structural or job conditions. The contractor is to visit the job site to verify all dimensions and job conditions.
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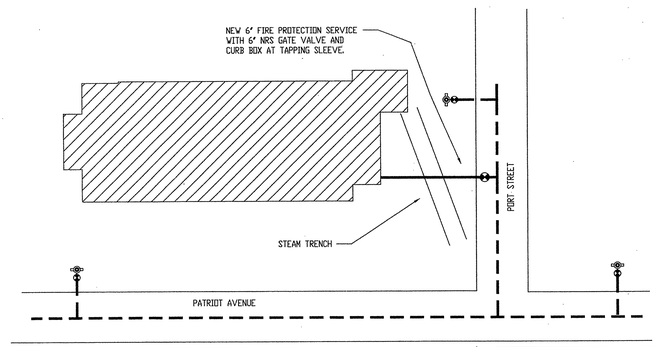


SITE PLAN – PHASE I

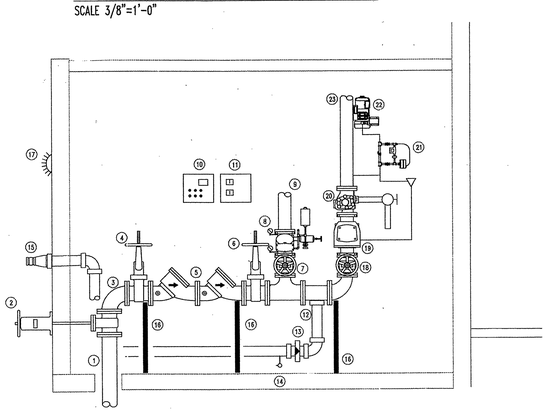
NTS

NOTE:
GENERAL: CONTRACTOR IS RESPONSIBLE FOR INSTALLING NEW 6" FIRE PROTECTION SERVICE INTO GENERATOR ROOM FROM PORT STREET CONTRACTOR TO VERIFY SIZE AND LOCATION OF MAIN IN STREET.
GENERAL: CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL EXISTING UNDERGROUND UTILITIES AND CONDITIONS.
INSTALL AND FLUSH UNDERGROUND PIPING IN ACCORDANCE WITH NFPA 13 AND 24. EXCAVATION AND BACKFILL IS RESPONSIBILITY OF SITE CONTRACTOR.

WATER FLOW TEST INFORMATION

THE FOLLOWING TEST DATA IS SUBJECT TO CHANGE AND IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. GENERAL: CONTRACTOR SHALL COMPLETE A WATER FLOW TEST AT THE SITE AND UTILIZE NEW DATA FOR HYDRAULIC CALCULATIONS. CONTRACTOR IS RESPONSIBLE FOR PIPE SIZE CHANGES REQUIRED AS A RESULT OF NEW TEST DATA.

STATIC: 70 PSI
RESIDUAL: 40 PSI
FLOW: 920 GPM
LOCATION OF GAGE HYDRANT: PATRIOT AVE
LOCATION OF FLOW HYDRANT: EAGLE DRIVE
DATE: 01/19/96



RISER SECTION A – PHASE I

SCALE 3/8"=1'-0"

CARL C. KOSLOWSKI No.37810 REGISTERED FIRE PROTECTION ENGINEER COMMONWEALTH OF MASSACHUSETTS 11/1/96

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

FIRE PROTECTION SYSTEMS

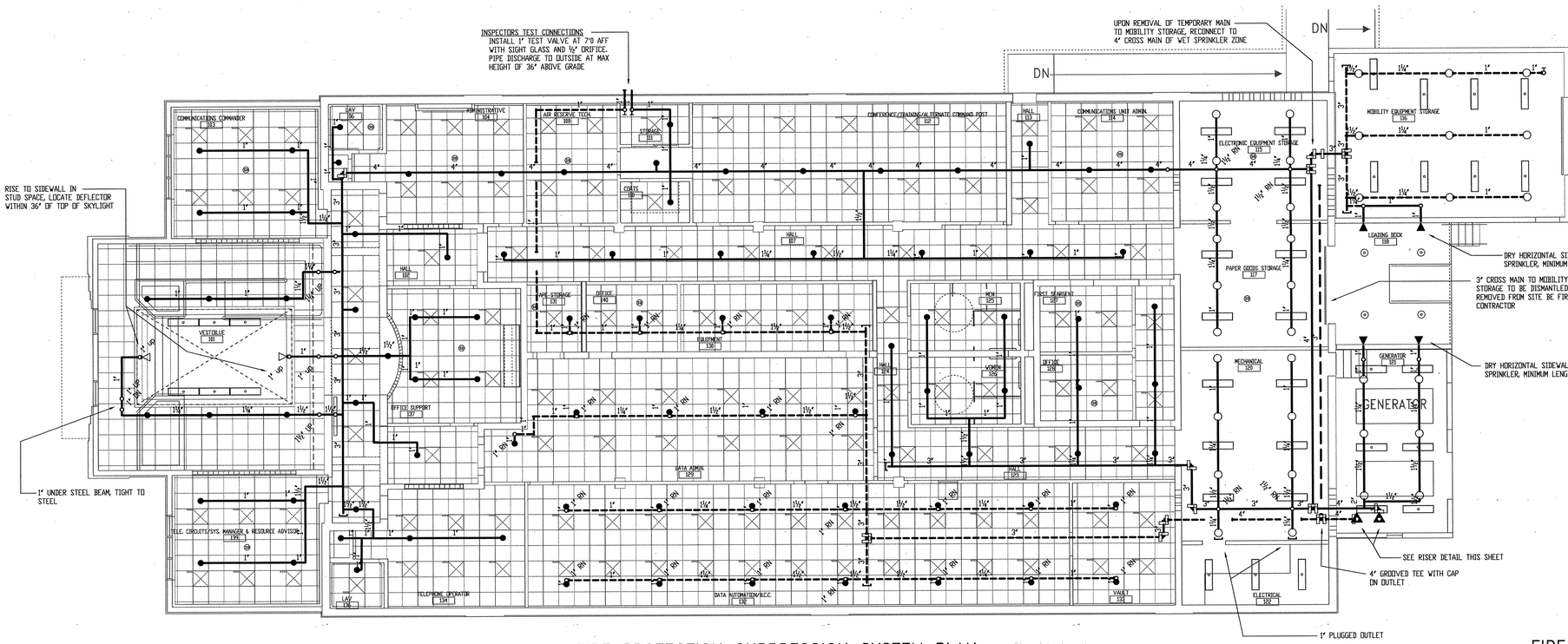
	SUBMITTED	RECOMMENDED	APPROVED
PROJECT ENGINEER	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED CCK	SCALE 1/8" = 1'-0"	DRAWING NUMBER WST 4180 FF-1
	DRAWN CCK/REI DATE 05 NOV 1996	PROJECT NUMBER YTPM 94-0084	SHEET 17 OF 29

FIRE CHIEF

SAFETY

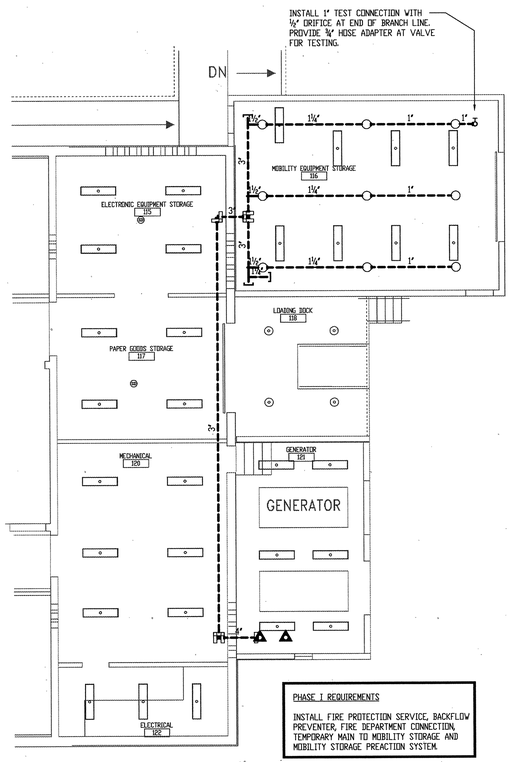
CORROSION ENGINEER

0:\073\rasAS\project files\960737 dri no- 07 10: 56: 5C 1996



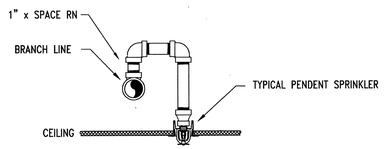
FIRE PROTECTION SUPPRESSION SYSTEM PLAN – [illegible]

SCALE 1/8"=1'-0"



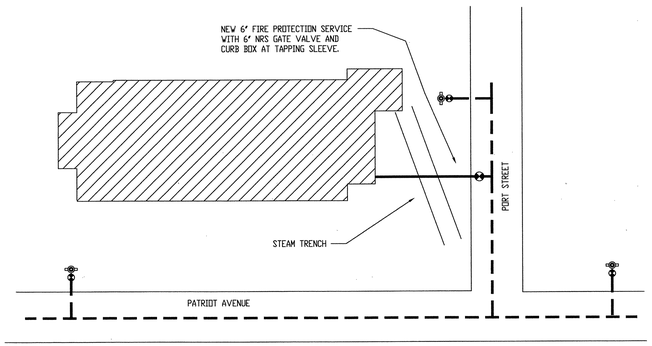
FIRE PROTECTION SUPPRESSION SYSTEM PLAN – PHA[illegible]

SCALE 1/8"=1'-0"



PREACTION SYSTEM RETURN BEND

NTS



SITE PLAN – PHASE I

NTS

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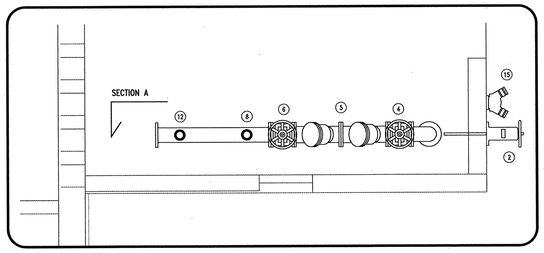
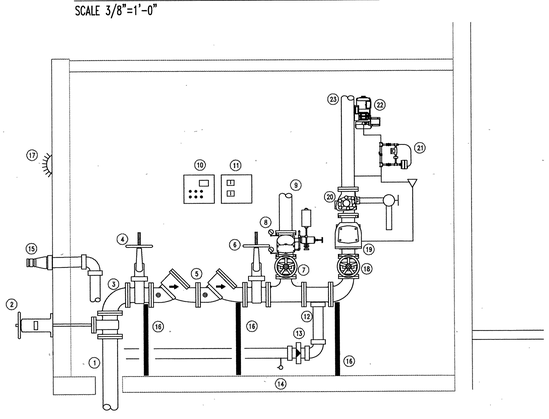


RISER ROOM PLAN – [illegible]

SCALE 3/8"=1'-0"



RISER SECTION A – [illegible]

SCALE 3/8"=1'-0"

RISER SCHEDULE

1. 6" CEMENT LINED DUCTILE IRON WATER SERVICE
2. 6" WALL POST INDICATOR VALVE WITH TAMPER SWITCH
3. 6" FLANGED ELL
4. 6" DS&Y GATE VALVE WITH TAMPER SWITCH
5. 6" DOUBLE CHECK VALVE
6. 6" DS&Y GATE VALVE WITH TAMPER SWITCH
7. CONTROL VALVE WITH TAMPER SWITCH
8. ALARM CHECK VALVE
9. SUPPLY TO WET SYSTEM ZONE #1
10. BATTERY BACK-UP POWER SUPPLY
11. PREACTION SYSTEM CONTROL PANEL
12. 4" TD FIRE DEPT CONNECTION
13. 4" CHECK VALVE
14. AUTO BALL DRIP
15. 2½x2½x4 FIRE DEPARTMENT CONNECTION
16. PIPE SUPPORT
17. WATER MOTOR GONG
18. 4" DS&Y GATE VALVE WITH T.S.
19. DELUGE VALVE
20. CHECK VALVE WITH MAIN DRAIN
21. AIR MAINTENANCE DEVICE
22. AIR COMPRESSOR
23. 4" TD DOUBLE INTERLOCK PREACTION SYSTEM

0 4' — SCALE 3/8" = 1'-0"
0 4' 8' — SCALE 1/4" = 1'-0"
0 8' 16' — SCALE 1/8" = 1'-0"

LEGEND

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CARL L. KOSLOWSKI No.37810 REGISTERED FIRE PROTECTION ENGINEER
COMMONWEALTH OF MASSACHUSETTS
1/1/96

REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY
FIRE CHIEF
SAFETY
CORROSION ENGINEER
PROJECT ENGINEER
BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

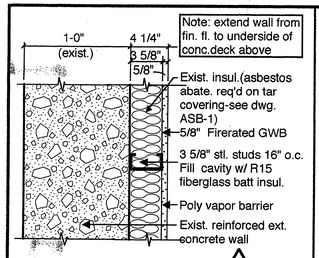
FIRE PROTECTION SYSTEMS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
CCK	1/8" = 1'-0"	WST 41[illegible] FP-1

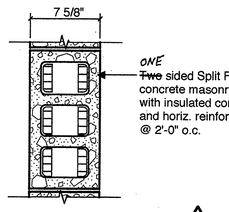
DRAWN	DATE	PROJECT NUMBER	SHEET
CCK/REI	05 NOV 1996	YTPM 94-0084	17 OF 29

C:\07x\r-a&s\project files\960x3y dn1 no- 07 x0: y6: 5c y996



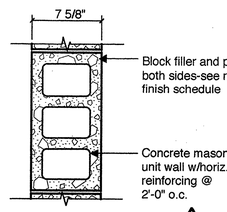
WALL TYPE 1

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



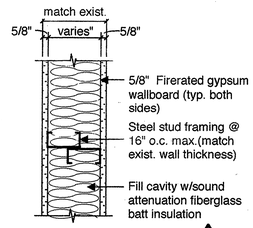
WALL TYPE 2

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



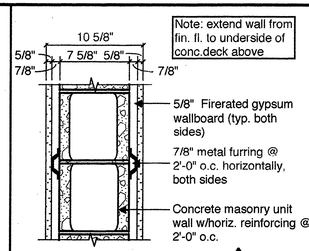
WALL TYPE 3

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



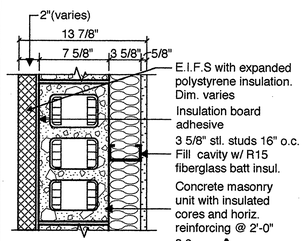
WALL TYPE 4

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



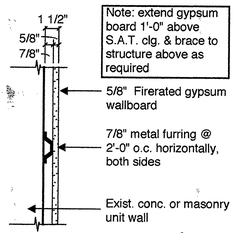
WALL TYPE 5

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



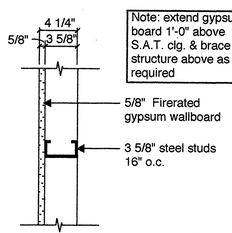
WALL TYPE 6

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



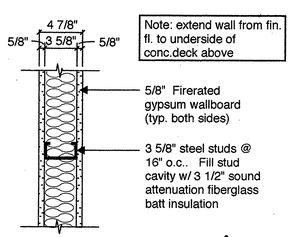
WALL TYPE 7

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



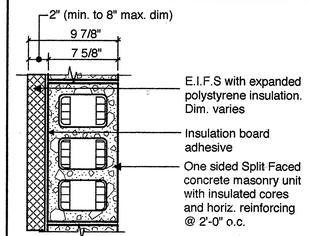
WALL TYPE 8

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



WALL TYPE 9

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



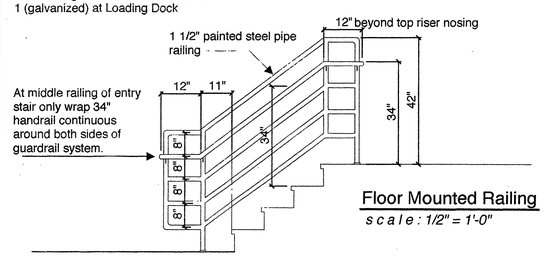
WALL TYPE 10

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

WALL TYPES

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

Locations for open stair railing:
3 at entry stair - Vestibule 101
1 at existing stair - Generator Rm. 121
1 (galvanized) at Loading Dock

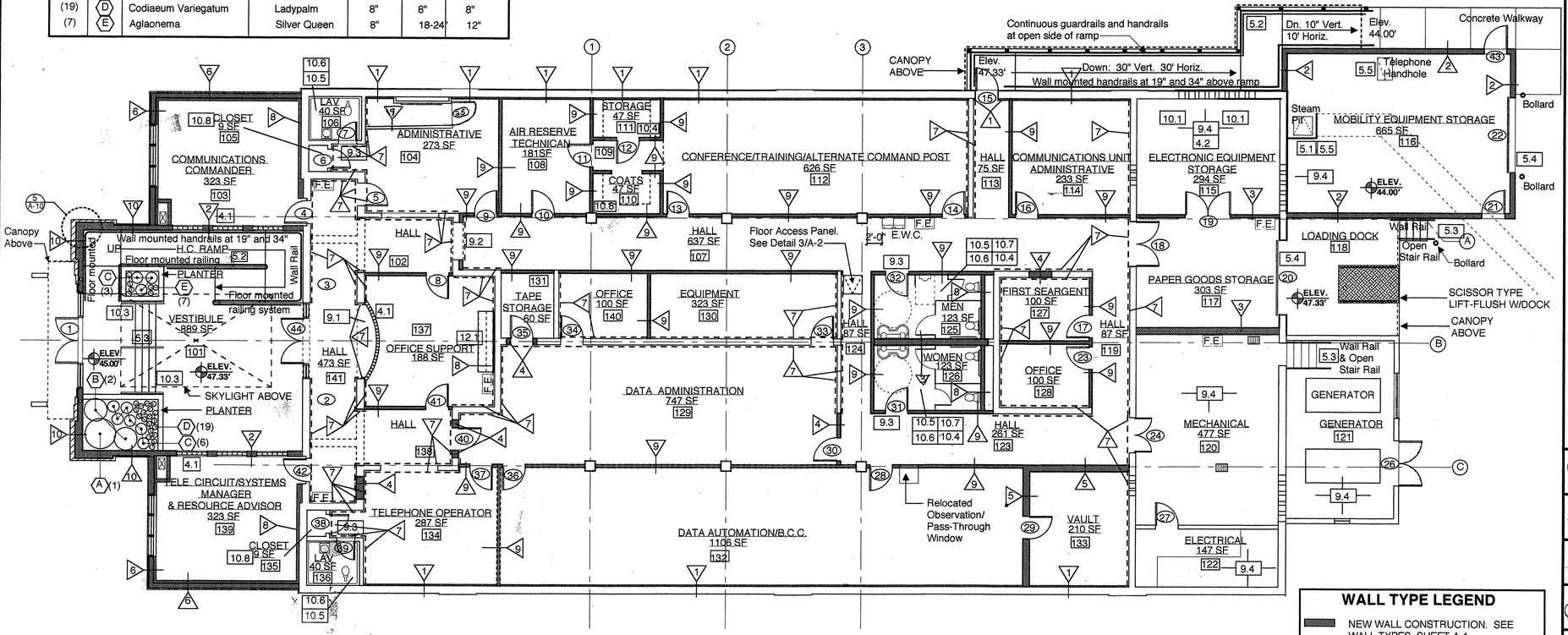


Floor Mounted Railing

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

PLANT LIST

Qty.	Key	Botanical Name	Common Name	Pot Size	Height	Spacing
(1)	A	Rhapisexcela	Ladypalm	30"	48"	----
(2)	B	Dracaena Deremensis	Warneckii	17"	48"	36"
(9)	C	Aglaonema Commutatum	Chinese Evergreen	8"	18"	18"
(19)	D	Codiaeum Variegatum	Ladypalm	8"	8"	8"
(7)	E	Aglaonema	Silver Queen	8"	18-24"	12"



NORTH

FLOOR PLAN (NEW CONSTRUCTION) - WALL TYPES

SCALE 1/8"=1'-0"

WALL TYPE LEGEND

- NEW WALL CONSTRUCTION. SEE WALL TYPES, SHEET A-1.
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE FURRED. SEE WALL TYPES, SHEET A-1.

GENERAL NOTES

GN1 DIMENSIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. ANY DISCREPANCIES SHALL BE REPORTED TO BASE CONTRACTING OFFICER PRIOR TO COMMENCING ANY FURTHER WORK.

GN2 REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ASSOCIATED WORK REQUIRED

GN3 EXIST. CONC. COLUMNS TO REMAIN EXPOSED. PATCH/REPAIR CONCRETE FOR SMOOTH FINISH AND REPAINT.

GN4 CONTR. NOTE: EXIST. CONC WALLS ARE HEAVILY REINF.(APPROX. 1/2" BARS @ 1'-0" O.C. BOTH FACES VERT. AND 1'-2" O.C. BOTH FACES HORIZON. CONC. WAS POURED IN 1941-ASSUME MIN. 4,000PSI WHEN POURED PLUS 50 YEARS OF CURING. CONTR. TO ASSUME ALL COSTS INCURED TO MAKE ALL NECESSARY CORINGS AND REMOVALS REQUIRED TO COMPLETE THE SCHEDULED WORK AS DETAILED.

CONSTRUCTION NOTES

4.1 ONE HOUR RATED 8"X8"X4" (NOM.) GLASS BLOCK WALL CONSTRUCTION. SEE ELEVATIONS AND DETAILS.

4.2 INFILL EXIST. CONC. GRILL OPENINGS W/ MASONRY INFILL FLUSH W/ WALL SURFACES

5.1 METAL HANDRAIL/GUARD AROUND EXIST. STEAM TRENCH ACCESS DOOR(PAINT).

5.2 METAL HANDICAPPED ACCESS RAIL HANDRAIL SYSTEM HOT DIPPED GALV. (PAINT).

5.3 METAL STAIRWAY RAILING HOT DIPPED GALVANIZED (PAINT).

5.4 METAL PLATE/ANGLE @PERIMETER OF O.H. DOOR OPENING-SEE DOOR DETAILS.

5.5 ADJUST RIMS OF EXISTING TELEPHONE AND STEAM PIPE CONCRETE ACCESS PITS UP OR DOWN BY 6" TO ACCOMODATE ELEVATION OF NEW SLAB IN THE MOBILITY EQUIPMENT STORAGE ROOM. REUSE EXISTING ACCESS DOORS. (SEE DETAILS AT DWG. C-1)

9.1 GWB SOFFIT ABOVE @ 9'-0" A.F.F. W/FURRING & 5/8" GWB ON ALL SURFACES. EXTEND GWB 1'-0" ABOVE S.A.T. CEILING HEIGHT.

9.2 SOFFIT ABOVE @ 7'-0" A.F.F. W/FURRING & 5/8" GWB ON ALL SURFACES. EXTEND FURRING AND GWB 1'-0" ABOVE S.A.T. CEILING HEIGHT

9.3 MARBLE THRESHOLD-HANDICAPPED ACCESSIBLE.

9.4 EXIST. CONC. WALL TO REMAIN EXPOSED. PATCH/REPAIR WALL IMPERFECTIONS AND VOIDS FOR A SMOOTH FINISH AND REPAINT-SEE FINISH SCHEDULE.

10.1 REPAIR FLOOR IN AREA OF REMOVED CONCRETE PADS

10.2 FILL PIT AT EXISTING ABANDONED FLOOR DRAIN

10.3 PROVIDE PLANTINGS FOR VESTIBULE PLANTERS. SEE PLANT LIST.

10.4 3/4" PLYWOOD SHELVING WITH PLASTIC LAMINATE AND HARDWOOD NOSING . SEE DETAILS AT DRAWING A-9 (VERIFY ROOM SIZE) AND FABRICATE TO FIT SPECIFIED SHELF BRACKETS

10.8 VINYL COATED VENTILATED WIRE SHELVING/CLOSET ROD @ 5'-6" A.F.F.

12.1 BASE CABINETS, PLASTIC LAMINAT1E COUNTERTOP, AND WALL CABINETS- SEE ELEV. AT DWG. A-10.

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		
2	3-21-97			

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

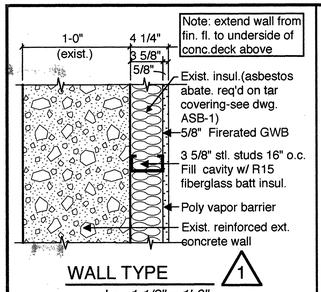
M/R/A COMMUNICATIONS BUILDING 1510

FLOOR PLANS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
KRJ	1/8" = 1'-0"	WST 4140 / A - 1

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	15 AUG 1996	YTPM 94-0084	5 OF 29



WALL TYPE 1

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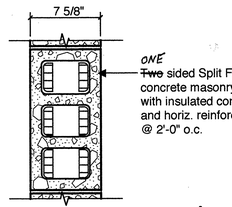
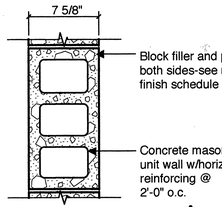


WALL TYPE 2

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



WALL TYPE 3

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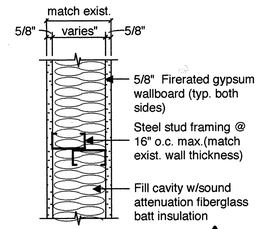

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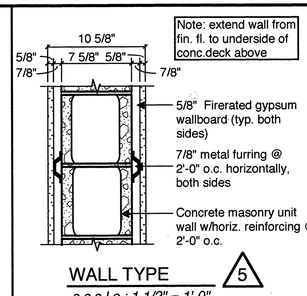

WALL TYPE 5

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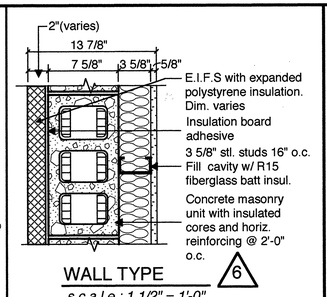
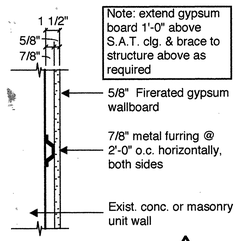


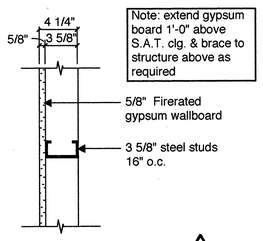
WALL TYPE 6

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



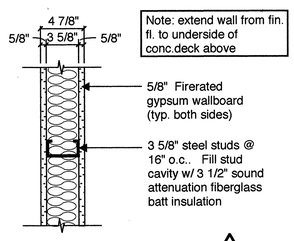
WALL TYPE 7

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



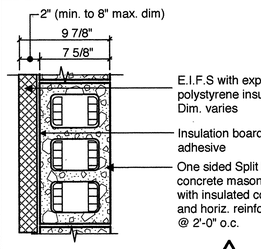
WALL TYPE 8

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



WALL TYPE 9

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



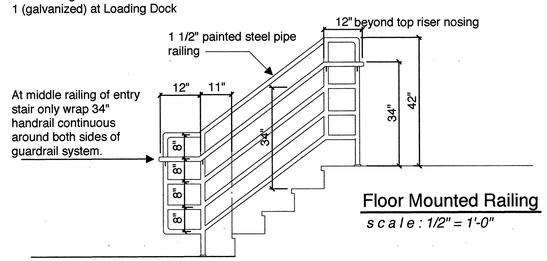
WALL TYPE 10

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

WALL TYPES

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

Locations for open stair railing:
3 at entry stair - Vestibule 101
1 at existing stair - Generator Rm. 121
1 (galvanized) at Loading Dock

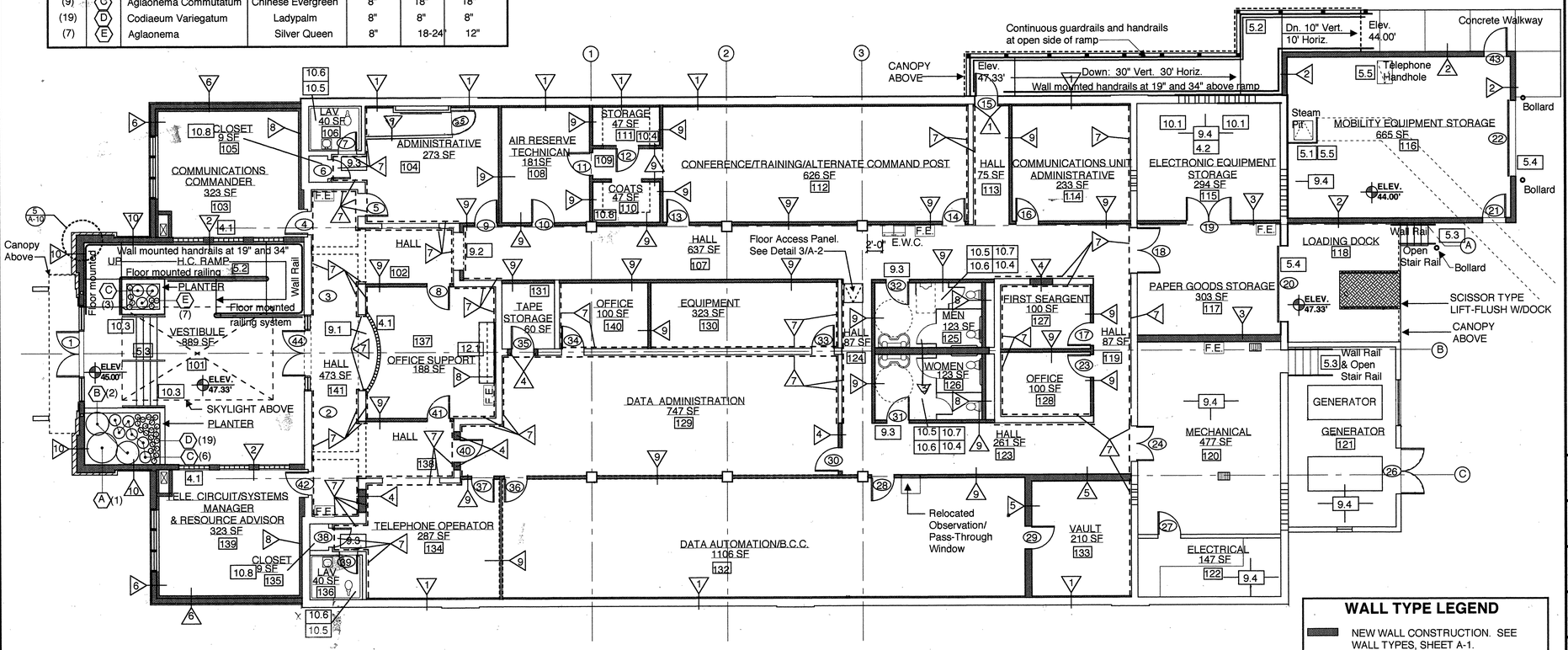


Floor Mounted Railing

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

PLANT LIST

Qty.	Key	Botanical Name	Common Name	Pot Size	Height	Spacing
(1)	A	Rhapisexcela	Ladypalm	30"	48"	----
(2)	B	Dracaena Deremensis	Warneckii	17"	48"	36"
(9)	C	Aglaonema Commutatum	Chinese Evergreen	8"	18"	18"
(19)	D	Codiaeum Variegatum	Ladypalm	8"	8"	8"
(7)	E	Aglaonema	Silver Queen	8"	18-24"	12"



NORTH

FLOOR PLAN (NEW CONSTRUCTION) - WALL TYPES

SCALE 1/8"=1'-0"

WALL TYPE LEGEND

- NEW WALL CONSTRUCTION. SEE WALL TYPES, SHEET A-1.
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE FURRED. SEE WALL TYPES, SHEET A-1.

GENERAL NOTES

GN1 DIMENSIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. ANY DISCREPANCIES SHALL BE REPORTED TO BASE CONTRACTING OFFICER PRIOR TO COMMENCING ANY FURTHER WORK.

GN2 REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ASSOCIATED WORK REQUIRED

GN3 EXIST. CONC. COLUMNS TO REMAIN EXPOSED. PATCH/REPAIR CONCRETE FOR SMOOTH FINISH AND REPAINT.

GN4 CONTR. NOTE: EXIST. CONC WALLS ARE HEAVILY REINF.(APPROX. 1/2" BARS @ 1'-0" O.C. BOTH FACES VERT. AND 1'-2" O.C. BOTH FACES HORIZON. CONC. WAS POURED IN 1941-ASSUME MIN. 4,000PSI WHEN POURED PLUS 50 YEARS OF CURING. CONTR. TO ASSUME ALL COSTS INCURED TO MAKE ALL NECESSARY CORINGS AND REMOVALS REQUIRED TO COMPLETE THE SCHEDULED WORK AS DETAILED.

CONSTRUCTION NOTES

4.1 ONE HOUR RATED 8"X8"X4" (NOM.) GLASS BLOCK WALL CONSTRUCTION. SEE ELEVATIONS AND DETAILS.

4.2 INFILL EXIST. CONC. GRILL OPENINGS W/ MASONRY INFILL FLUSH W/ WALL SURFACES

5.1 METAL HANDRAIL/GUARD AROUND EXIST. STEAM TRENCH ACCESS DOOR(PAINT).

5.2 METAL HANDICAPPED ACCESS RAIL HANDRAIL SYSTEM HOT DIPPED GALV. (PAINT).

5.3 METAL STAIRWAY RAILING HOT DIPPED GALVANIZED (PAINT).

5.4 METAL PLATE/ANGLE @PERIMETER OF O.H. DOOR OPENING-SEE DOOR DETAILS.

5.5 ADJUST RIMS OF EXISTING TELEPHONE AND STEAM PIPE CONCRETE ACCESS PITS UP OR DOWN BY 6" TO ACCOMODATE ELEVATION OF NEW SLAB IN THE MOBILITY EQUIPMENT STORAGE ROOM. REUSE EXISTING ACCESS DOORS. (SEE DETAILS AT DWG. C-1)

9.1 GWB SOFFIT ABOVE @ 9'-0" A.F.F. W/FURRING & 5/8" GWB ON ALL SURFACES. EXTEND GWB 1'-0" ABOVE S.A.T. CEILING HEIGHT.

9.2 SOFFIT ABOVE @ 7'-0" A.F.F. W/FURRING & 5/8" GWB ON ALL SURFACES. EXTEND FURRING AND GWB 1'-0" ABOVE S.A.T. CEILING HEIGHT

9.3 MARBLE THRESHOLD-HANDICAPPED ACCESSIBLE.

9.4 EXIST. CONC. WALL TO REMAIN EXPOSED. PATCH/REPAIR WALL IMPERFECTIONS AND VOIDS FOR A SMOOTH FINISH AND REPAINT-SEE FINISH SCHEDULE.

10.1 REPAIR FLOOR IN AREA OF REMOVED CONCRETE PADS

10.2 FILL PIT AT EXISTING ABANDONED FLOOR DRAIN

10.3 PROVIDE PLANTINGS FOR VESTIBULE PLANTERS. SEE PLANT LIST.

10.4 3/4" PLYWOOD SHELVING WITH PLASTIC LAMINATE AND HARDWOOD NOSING . SEE DETAILS AT DRAWING A-9 (VERIFY ROOM SIZE) AND FABRICATE TO FIT SPECIFIED SHELF BRACKETS

10.8 VINYL COATED VENTILATED WIRE SHELVING/CLOSET ROD @ 5'-6" A.F.F.

12.1 BASE CABINETS, PLASTIC LAMINAT1E COUNTERTOP, AND WALL CABINETS-SEE ELEV. AT DWG. A-10.

USING AGENCY

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		
2	3-21-97			

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

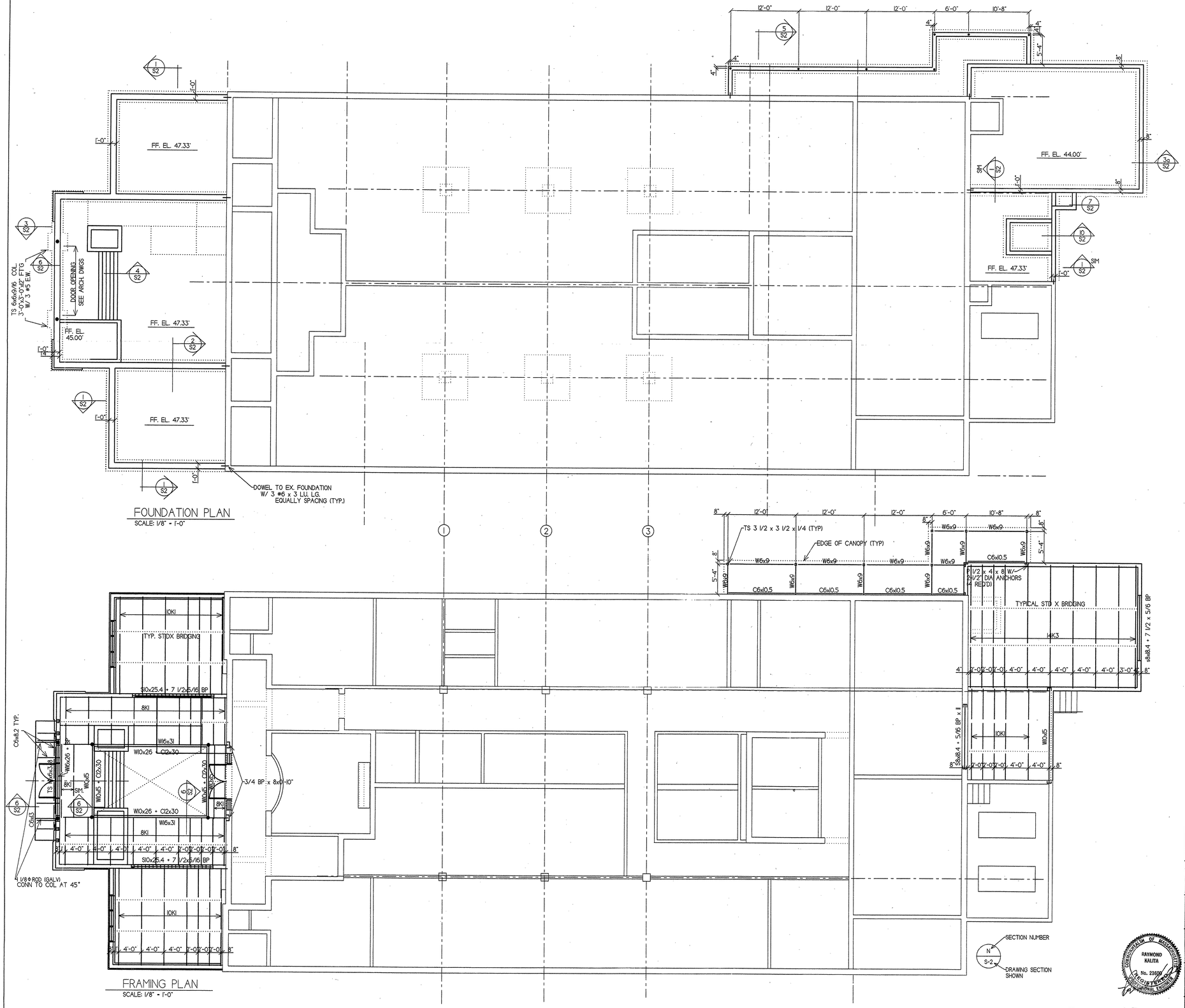
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
FLOOR PLANS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
KRJ	1/8" = 1'-0"	WST 4140 A - 1

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	15 AUG 1996	YTPM 94-0084	5 OF 29



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

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

STRUCTURAL DESIGN VALUES

The following minimum load allowances were used in the design of the structure:

ROOF:

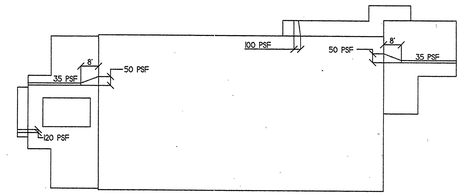
DEAD LOAD:

Ballasted Roofing	12 psf
Insulation	3 psf
Steel Deck	3 psf
Structural Steel	5 psf
Ceiling and Miscellaneous	7 psf
TOTAL DEAD LOAD	30 psf

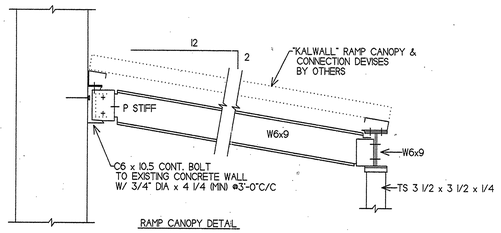
LIVE (SNOW) LOAD:
Minimum (Basic Code Loading) ---------- 35 psf (Modified For Drifting)
TOTAL ROOF DESIGN LOAD --- 65 psf (Minimum)

WIND:
As/Mass State Building Code. Article II

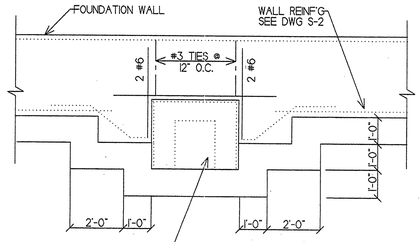
SEISMIC:
As/Mass State Building Code. Article II



KEY PLAN - ROOF DESIGN SNOW LOADS
1" = 30'-0"



RAMP CANOPY DETAIL



STEP FOOTING AT EXISTING UTILITY PIPE TRENCH
SCALE 3/8" = 1'-0"

Harvey and Tracy
CONSULTING ENGINEERS
380 UNION ST. W. SFLD., MASS.

RAYMOND KALITA No. 21600 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
		100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
FOUNDATION & FRAMING PLANS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
R K	1/8" = 1'-0"	WST 4140 S1
DRAWN: R K	DATE: 1-10-97	PROJECT NUMBER: YTPM 94-0084

SHEET 15 OF 29

STRUCTURAL DESIGN VALUES

The following minimum load allowances were used in the design of the structure:

ROOF:

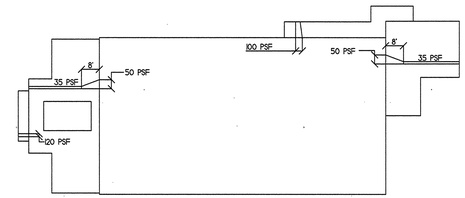
DEAD LOAD:

Ballasted Roofing	12 psf
Insulation	3 psf
Steel Deck	3 psf
Structural Steel	5 psf
Ceiling and Miscellaneous	7 psf
TOTAL DEAD LOAD	30 psf

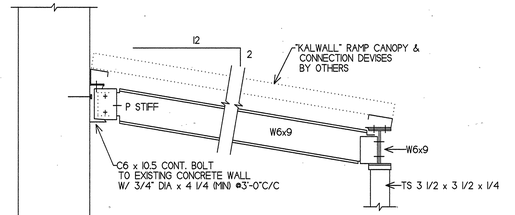
LIVE (SNOW) LOAD:
Minimum (Basic Code Loading) --------- 35 psf (Modified For Drifting)
TOTAL ROOF DESIGN LOAD --- 65 psf (Minimum)

WIND:
As/Mass State Building Code. Article II

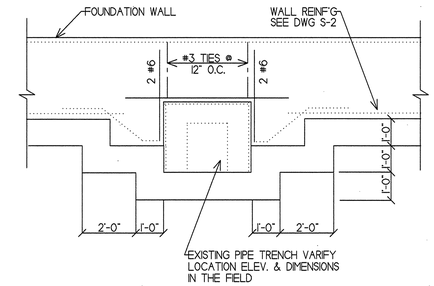
SEISMIC:
As/Mass State Building Code. Article II



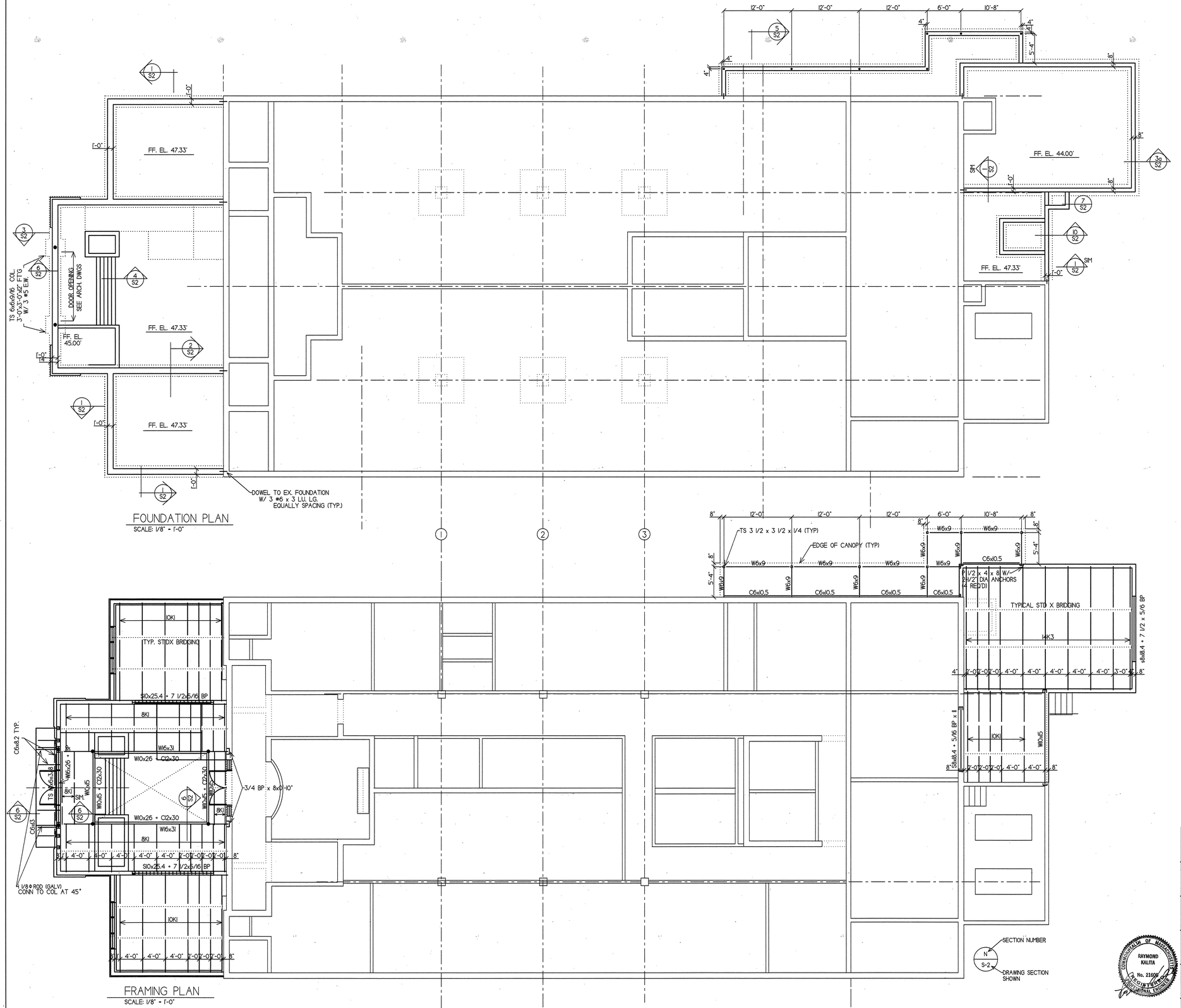
KEY PLAN - ROOF DESIGN SNOW LOADS
1" = 30'-0"



RAMP CANOPY DETAIL



STEP FOOTING AT EXISTING UTILITY PIPE TRENCH
SCALE 3/8" = 1'-0"



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

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

Harvey and Tracy
CONSULTING ENGINEERS
380 UNION ST. W. SPFLD., MASS.

COMMONWEALTH OF MASSACHUSETTS
RAYMOND KALITA
No. 21606
REGISTERED PROFESSIONAL ENGINEER

USING AGENCY			100% SUBMISSION		
FIRE CHIEF	REV.	DATE	DESCRIPTION	DRAWN	APPRD
SAFETY			AIR FORCE RESERVE		
CORROSION ENGINEER			CIVIL ENGINEERING		
			WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022		
			M/R/A COMMUNICATIONS BUILDING 1510		
			FOUNDATION & FRAMING PLANS		

PROJECT ENGINEER	SUBMITTED: CHIEF ENGINEER	RECOMMENDED: BASE ENGINEER	APPROVED: INSTALLATION COMMANDER	
BIO-ENV. ENGINEER	DESIGNED: R K	SCALE: 1/8" = 1'-0"	DRAWING NUMBER: WST 4140 SI	
	DRAWN: R K	DATE: 1-10-97	PROJECT NUMBER: YTPM 94-0084	SHEET 15 OF 29

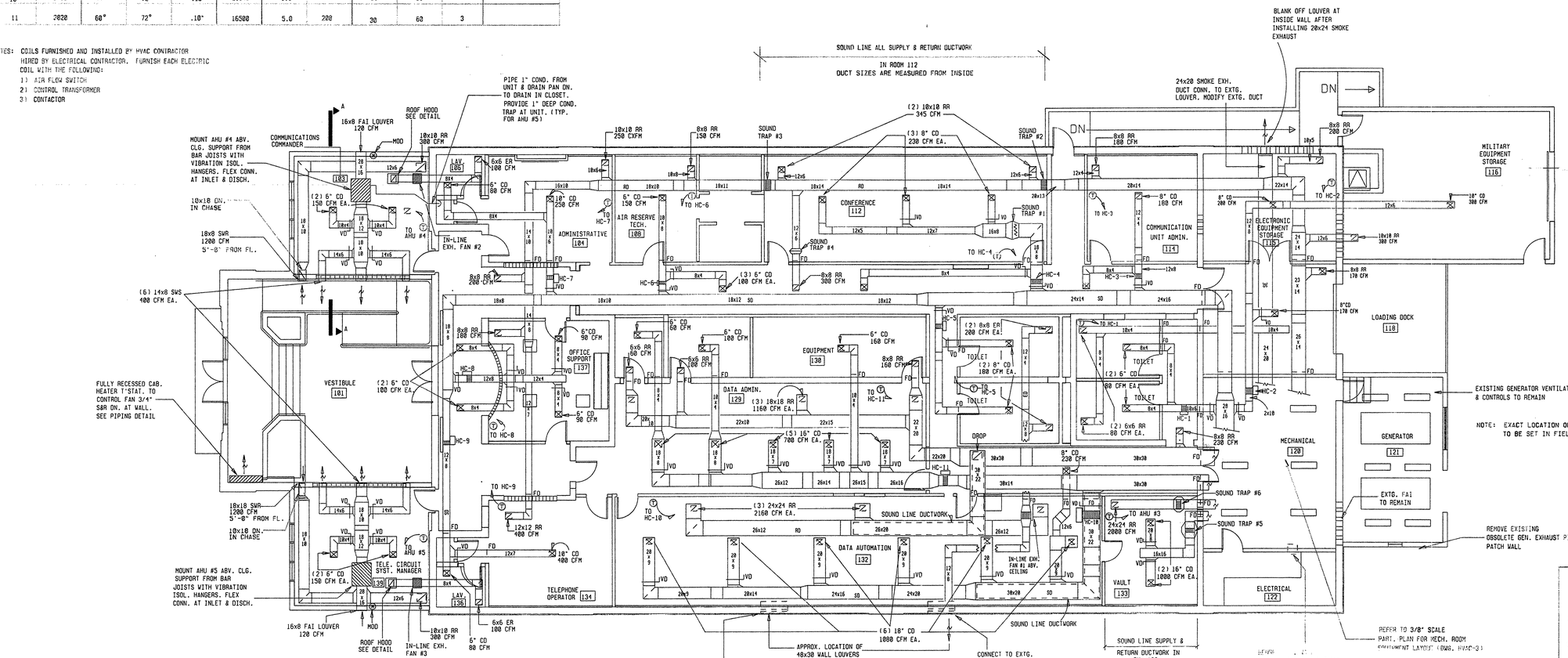
ELECTRIC HEATING COIL SCHEDULE

HEATING COIL #	CFM	ENTERING AIR	LEAVING AIR	MAX P.D. IN	BTU/HR	KW	VOLTS	PHASE	CY	STEPS	REMARKS
1	160	60°	80.7°	.10"	3480	1.0	208	10	60	1	
2	670	60°	79.6°	.10"	14880	4.0	208	30	60	1	
3	280	60°	8[illegible].5°	.10"	4335	1.5	208	10	60	1	
4	790	60°	11.[illegible]°	.10"	13662	5.0	208	30	60	1	
5	360	60°	75°	.10"	5832	1.8	208	10	60	1	
6	250	60°	82.5°	.10"	5135	1.7	208	10	60	1	
7	330	60°	81°	.10"	7142	2.1	208	10	60	1	
8	380	60°	82°	.10"	9028	2.6	208	10	60	1	
9	490	60°	79.3°	.10"	10000	3.0	208	10	60	1	
10	6710	60°	72°	.10"	28940	8.5	208	30	60	3	
11	2020	60°	72°	.10"	16500	5.0	208	30	60	3	

NOTES: COILS FURNISHED AND INSTALLED BY HVAC CONTRACTOR
HIRED BY ELECTRICAL CONTRACTOR. FURNISH EACH ELECTRIC COIL WITH THE FOLLOWING:
1) AIR FLOW SWITCH
2) CONTROL TRANSFORMER
3) CONTACTOR

DUCT SILENCER SCHEDULE

SOUND TRAP #	CFM	DUCT SIZE	PRESSURE DROP	DUCT VELOCITY	DYNASTICS MFG. MODEL # & SIZE (MODEL B)
1	690	16/8	.04	850 I/MIN	16x8x36"
2	2000	20/13	.15	1200 I/MIN	20x13x36"
3	1180	18/11	.09	900 I/MIN	18x11x36"
4	300	12/6	.05	650 I/MIN	12x6x36"
5	2000	16/16	.15	1200 I/MIN	16x16x36"
6	2000	16/16	.15	1200 I/MIN	16x16x36"

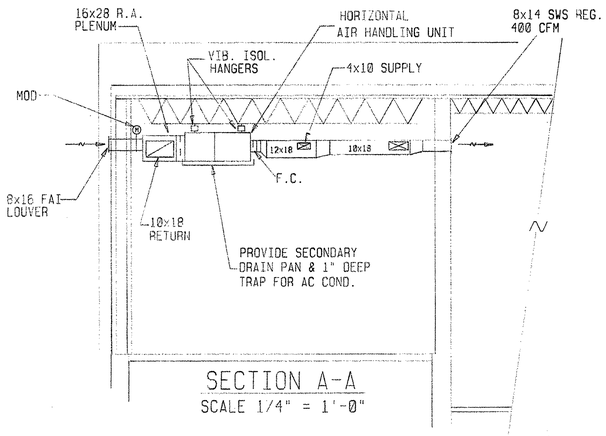


DEMOLITION NOTES

1. REMOVE ALL EXISTING DUCTWORK, AIR HANDLING UNITS & RELATED PIPING & EQUIPMENT.
2. REMOVE EXISTING OUTSIDE CONDENSER & RELATED PIPING. REMOVE ALL STEAM & CONDENSATE PIPING BACK TO ENTRANCE.
3. REMOVE EXISTING TEMPERATURE CONTROL SYSTEMS.

HVAC FLOOR PLAN

SCALE 1/8"=1'-0"



SECTION A-A

SCALE 1/4" = 1'-0"

COMMONWEALTH OF [illegible] WILLIAM A. TOWSLEY MECHANICAL 25337 REGISTERED PROFESSIONAL ENGINEER
JAN 1 6 1997

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
			100% SUBMISSION		

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
HVAC FLOOR PLAN

FIRE CHIEF				
SAFETY				
CORROSION ENGINEER				
PROJECT ENGINEER	SUBMITTED CHIEF ENGINEER		RECOMMENDED BASE ENGINEER	APPROVED INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED WAT		SCALE NOTED	DRAWING NUMBER HVAC-1 WST 4140
	DRAWN WAT	DATE 1-10-97	PROJECT NUMBER YTPM 94-0084	SHEET 19 OF 29

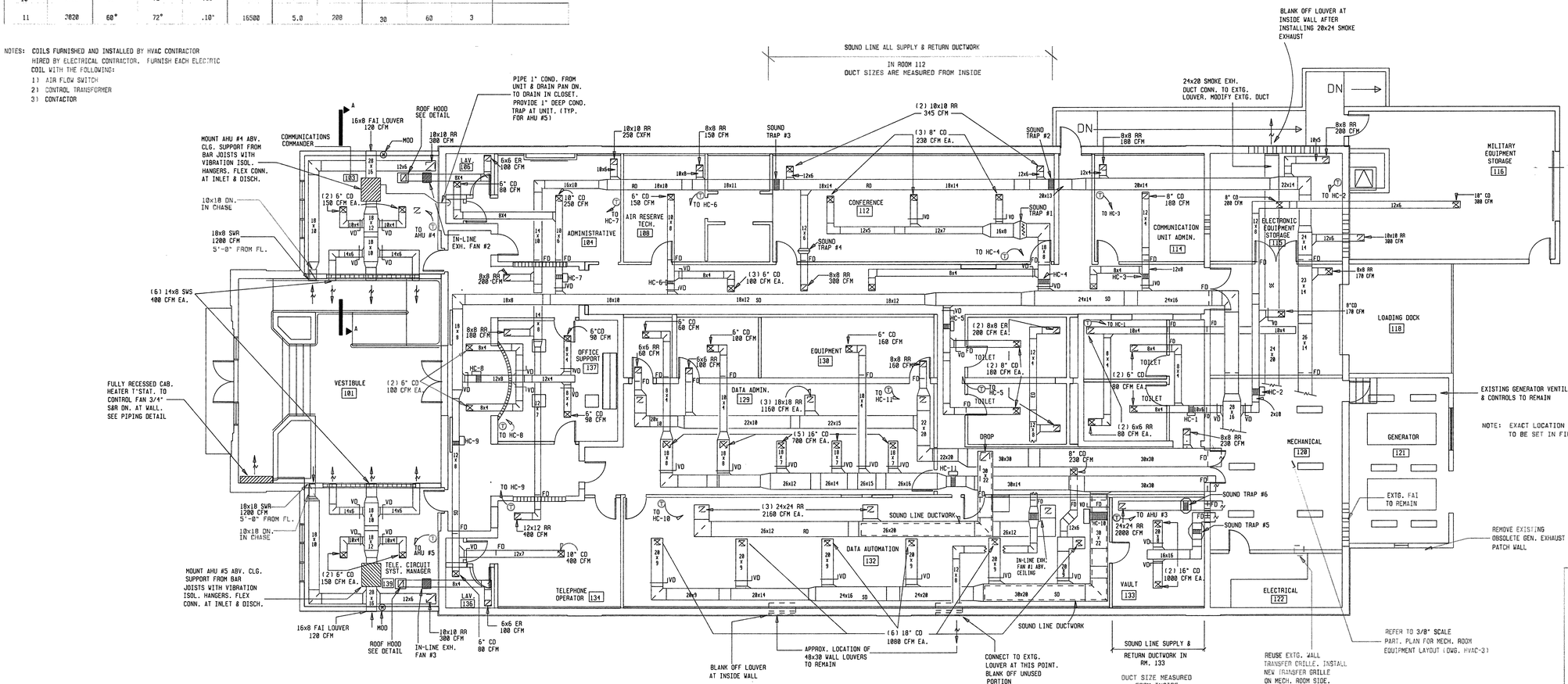
ELECTRIC HEATING COIL SCHEDULE

HEATING COIL #	CFM	ENTERING AIR	LEAVING AIR	MAX P.D. IN	BTU/HR	KW	VOLTS	PHASE	CY	STEPS	REMARKS
1	160	60°	80.7°	.10"	3480	1.0	208	10	60	1	
2	670	60°	79.6°	.10"	14800	4.0	208	30	60	1	
3	280	60°	82.5°	.10"	4335	1.5	208	10	60	1	
4	790	60°	83.4°	.10"	13662	5.0	208	30	60	1	
5	360	60°	75°	.10"	5832	1.8	208	10	60	1	
6	250	60°	82.5°	.10"	5135	1.7	208	10	60	1	
7	330	60°	81°	.10"	7142	2.1	208	10	60	1	
8	380	60°	82°	.10"	9020	2.6	208	10	60	1	
9	480	60°	79.3°	.10"	10080	3.0	208	10	60	1	
10	6710	60°	72°	.10"	28940	8.5	208	30	60	3	
11	3020	60°	72°	.10"	16500	5.0	208	30	60	3	

NOTES: COILS FURNISHED AND INSTALLED BY HVAC CONTRACTOR HIRED BY ELECTRICAL CONTRACTOR. FURNISH EACH ELECTRIC COIL WITH THE FOLLOWING:
1) AIR FLOW SWITCH
2) CONTROL TRANSFORMER
3) CONTACTOR

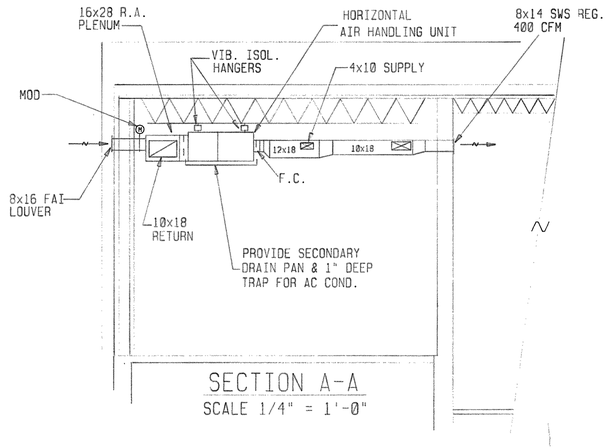
DUCT SILENCER SCHEDULE

SOUND TRAP #	CFM	DUCT SIZE	PRESSURE DROP	DUCT VELOCITY	DYNASTICS MFG. MODEL # & SIZE (MODEL @)
1	690	16/8	.04	850 1/MIN	16x8x36"
2	2000	20/13	.15	1200 1/MIN	20x13x36"
3	1180	18/11	.09	900 1/MIN	18x11x36"
4	300	12/6	.05	650 1/MIN	12x6x36"
5	2000	16/16	.15	1200 1/MIN	16x16x36"
6	2000	16/16	.15	1200 1/MIN	16x16x36"



HVAC FLOOR PLAN

SCALE 1/8"=1'-0"



SECTION A-A

SCALE 1/4" = 1'-0"

DEMOLITION NOTES

1. REMOVE ALL EXISTING DUCTWORK, AIR HANDLING UNITS & RELATED PIPING & EQUIPMENT.
2. REMOVE EXISTING OUTSIDE CONDENSER & RELATED PIPING. REMOVE ALL STEAM & CONDENSATE PIPING BACK TO ENTRANCE.
3. REMOVE EXISTING TEMPERATURE CONTROL SYSTEMS.

COMMONWEALTH OF [illegible] WILLIAM A. TOWNSLEY MECHANICAL 35337 REGISTERED PROFESSIONAL ENGINEER
JAN 13 1997

REV..	DATE	DESCRIPTION	DRAWN	APPR'D
		100% SUBMISSION		

USING AGENCY
FIRE CHIEF
SAFETY
CORROSION ENGINEER
PROJECT ENGINEER
BIO-ENV. ENGINEER

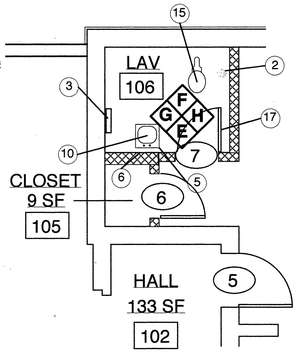
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
HVAC FLOOR PLAN

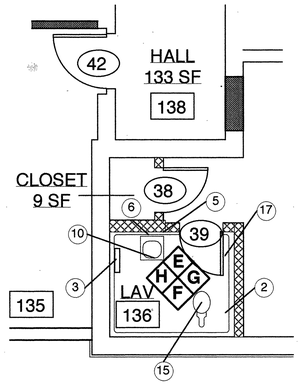
SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	DRAWN	DATE	SCALE	PROJECT NUMBER	DRAWING NUMBER
W A T	W A T	1-10-97	NOTED	YTPM 94-0084	HVAC-1 WST 4140

SHEET 19 OF 29



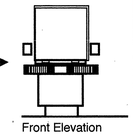
1 A-1 **ENLARGED LAVATORY PLAN**
1/4' = 1'-0'

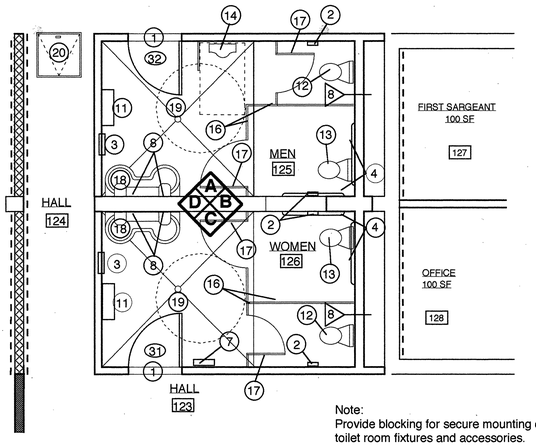


2 A-1 **ENLARGED LAVATORY PLAN**
1/4' = 1'-0'

TOILET ROOM FIXTURES & ACCESSORIES SCHEDULE

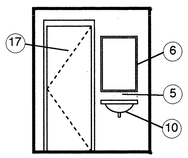
1. Marble Threshold (to comply with A.D.A.)
2. Toilet tissue dispenser
3. Combination towel dispenser/waste receptacle unit (semi-recessed)
4. Grab bar
5. Soap dispenser
6. Stainless steel framed mirror
7. Napkin - Tampon vendor with disposal
8. Tilt mirror
9. Existing fixture to remain
10. Wall hung lavatory (rim @ 34" a.f.f.)
11. 8" x 24" vinyl coated wire - grid shelf with brackets and hanging rod
12. Wall hung water closet
13. Wall hung water closet - handicapped accessible (top of seat 17"-19")
14. Wall mounted urinal - handicapped accessible(rim @ 15" a.f.f.)
15. Floor Mounted Water Closet
16. Toilet partition
17. Robe hook (mounted @ 4'-6" a.f.f.)
18. Two-station wash fountain
19. Floor drain
20. Floor hatch



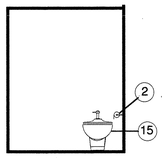


Note:
Provide blocking for secure mounting of all toilet room fixtures and accessories.

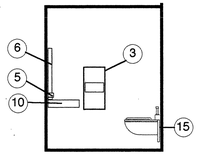
3 A-1 **ENLARGED MAIN LAVATORY PLAN**
1/4' = 1'-0'



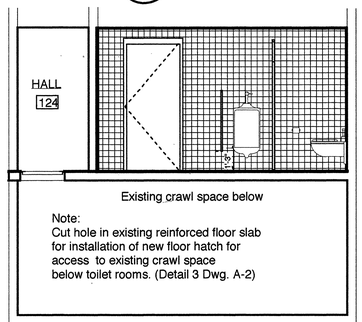
E - ELEVATION
136 Opposite Hand



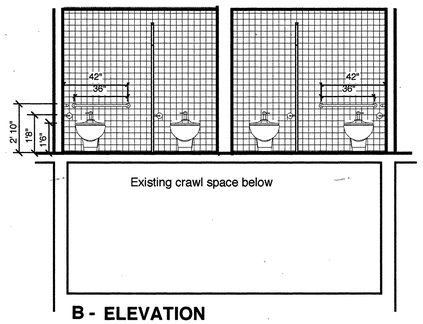
F - ELEVATION
136 Opposite Hand



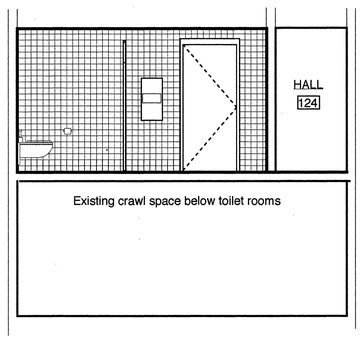
G - ELEVATION
136 Item 3 at Opposite Wall



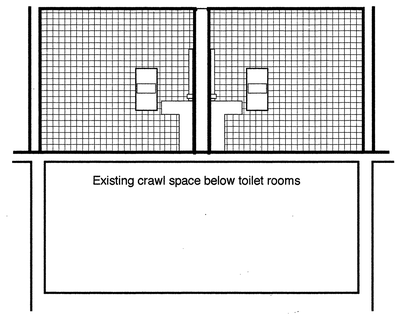
A - ELEVATION



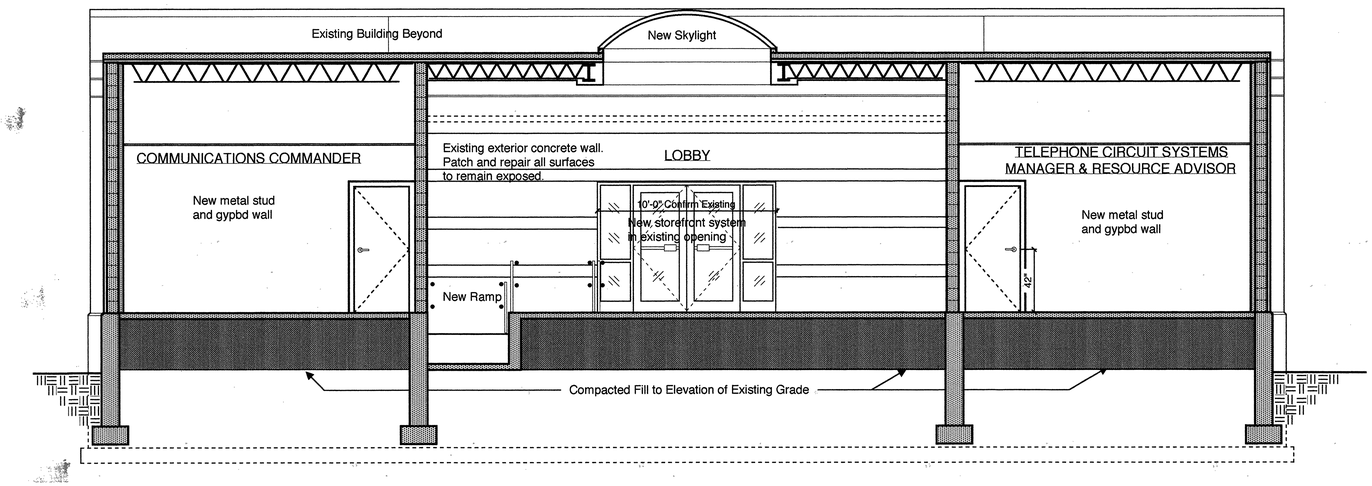
B - ELEVATION



C - ELEVATION



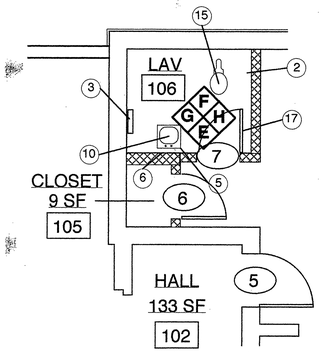
D - ELEVATION



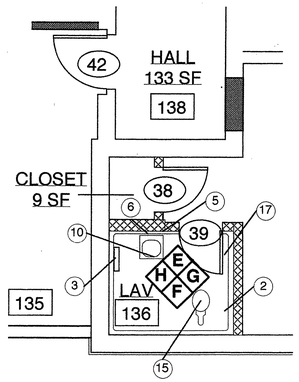
ELEVATION/SECTION AT ENTRY

SCALE 1/4"=1'-0"

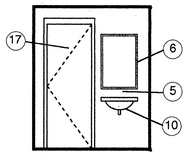
USING AGENCY	1	01-10-97	100% SUBMISSION		
	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF	AIR FORCE RESERVE				
	CIVIL ENGINEERING				
SAFETY	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
CORROSION ENGINEER	M/R/A COMMUNICATIONS BUILDING 1510 INTERIOR PLANS AND ELEVATIONS				
PROJECT ENGINEER	SUBMITTED CHIEF ENGINEER		RECOMMENDED BASE ENGINEER		APPROVED INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED KRJ		SCALE NOTED		DRAWING NUMBER WST 4140 A - 5
	DRAWN KRJ	DATE 05 NOV. 96	PROJECT NUMBER YTPM 94-0084		SHEET 9 OF 29



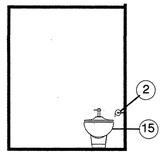
1 / A-1 ENLARGED LAVATORY PLAN
1/4" = 1'-0"



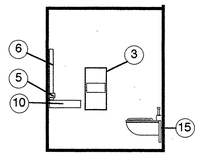
2 / A-1 ENLARGED LAVATORY PLAN
1/4" = 1'-0"



E - ELEVATION
136 Opposite Hand



F - ELEVATION
136 Opposite Hand



G - ELEVATION
136 Item 3 at Opposite Wall

TOILET ROOM FIXTURES & ACCESSORIES SCHEDULE

1. Marble Threshold (to comply with A.D.A.)
2. Toilet tissue dispenser
3. Combination towel dispenser/waste receptacle unit (semi-recessed)
4. Grab bar
5. Soap dispenser
6. Stainless steel framed mirror
7. Napkin - Tampon vendor with disposal
8. Tilt mirror
9. Existing fixture to remain
10. Wall hung lavatory (rim @ 34" a.f.f.)
11. 8" x 24" vinyl coated wire - grid shelf with brackets and hanging rod
12. Wall hung water closet
13. Wall hung water closet - handicapped accessible (top of seat 17"-19")
14. Wall mounted urinal - handicapped accessible(rim @ 15" a.f.f.)
15. Floor Mounted Water Closet
16. Toilet partition
17. Robe hook (mounted @ 4'-6" a.f.f.)
18. Two-station wash fountain
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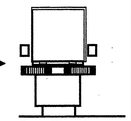
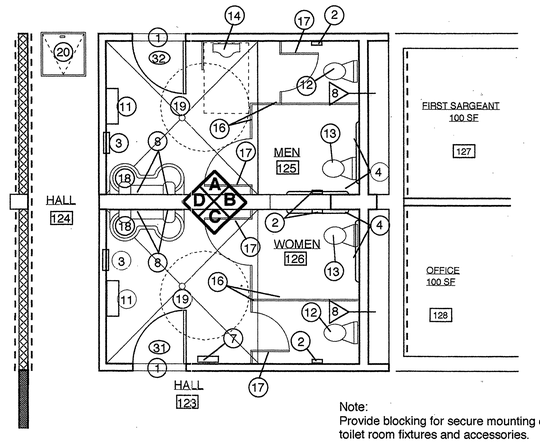
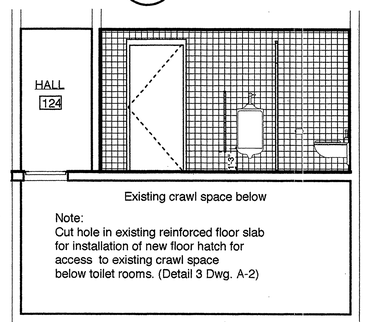


Front Elevation

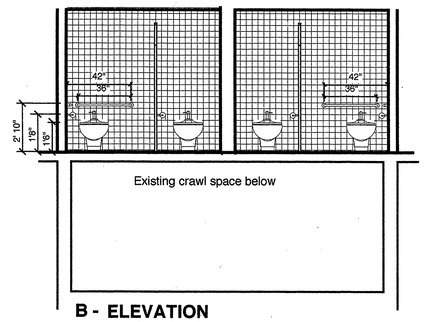


Note:
Provide blocking for secure mounting of all toilet room fixtures and accessories.

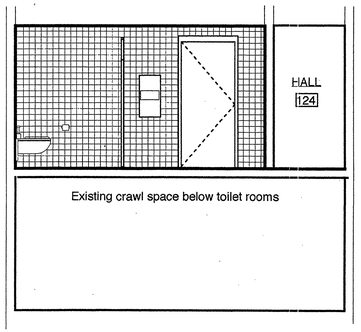
3 / A-1 ENLARGED MAIN LAVATORY PLAN
1/4" = 1'-0"



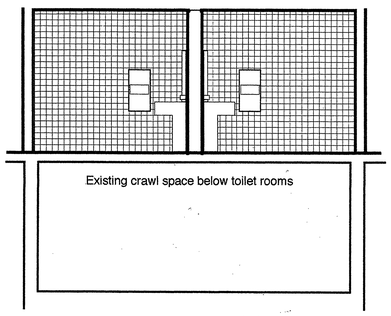
A - ELEVATION



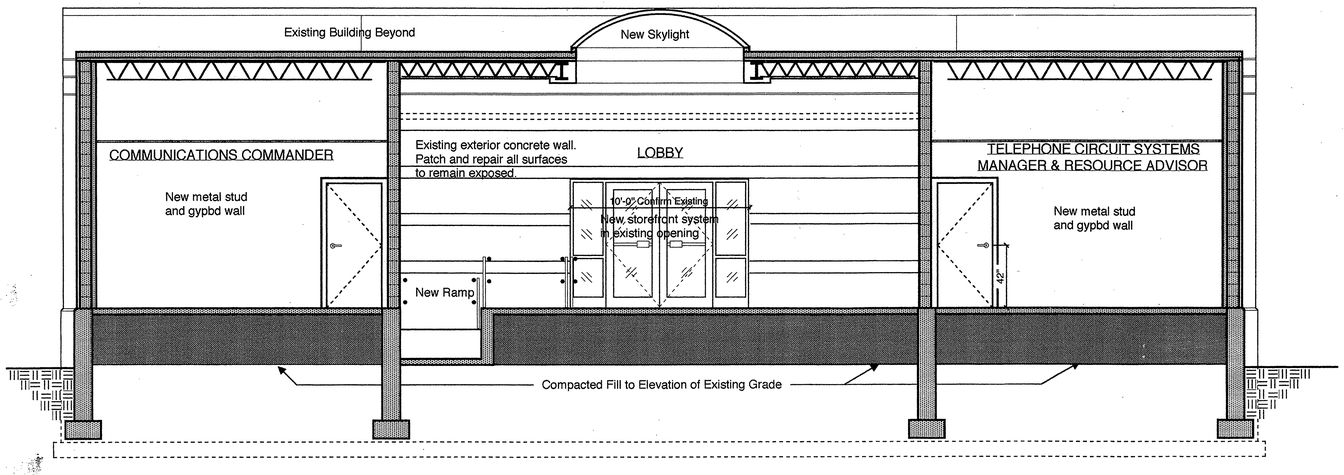
B - ELEVATION



C - ELEVATION



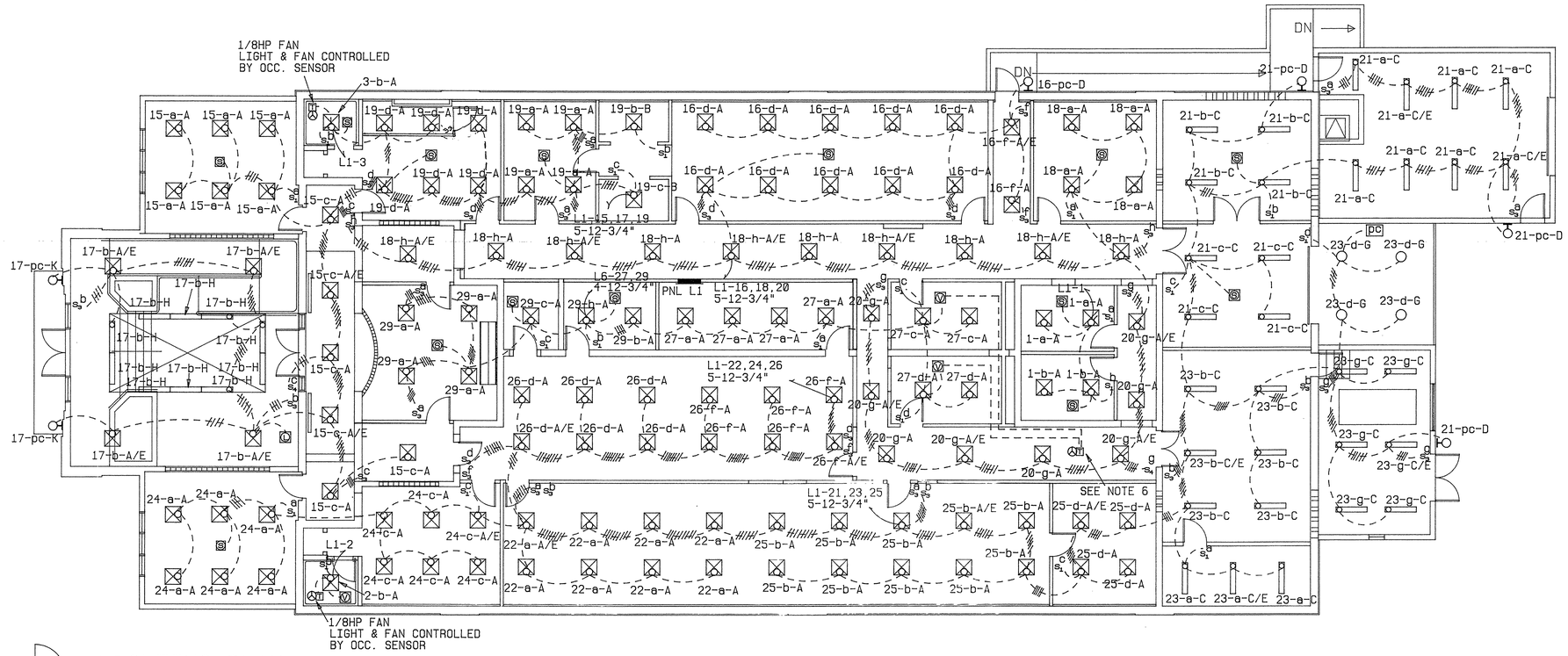
D - ELEVATION



ELEVATION/SECTION AT ENTRY

SCALE 1/4"=1'-0"

USING AGENCY	1	01-10-97	100% SUBMISSION		
	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF	AIR FORCE RESERVE				
	CIVIL ENGINEERING				
SAFETY	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
CORROSION ENGINEER	M/R/A COMMUNICATIONS BUILDING 1510 INTERIOR PLANS AND ELEVATIONS				
PROJECT ENGINEER	SUBMITTED: CHIEF ENGINEER		RECOMMENDED: BASE ENGINEER		APPROVED: INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED: KRJ		SCALE: NOTED		DRAWING NUMBER: WST 4140 A - 5
	DRAWN: KRJ	DATE: 05 NOV. 96	PROJECT NUMBER: YTPM 94-0084		SHEET 9 OF 29



LIGHTING PLAN

SCALE 1/8"=1'-0"

FIXTURES

A DAYBRITE 2UGS331U1-34FL-120-1/3-EB
2'X2' PARABOLIC FIXTURE WITH ONE 3 LAMP
ELECTRONIC BALLAST AND THREE T-8 31W C/W
"U" SHAPED FLUORESCENT LAMPS WITH CRI>80

A/E DAYBRITE 2UGS331U1-34FL-120-1/3-EB-E5-B50
2'X2' PARABOLIC FIXTURE WITH ONE 3 LAMP
ELECTRONIC BALLAST AND THREE T-8 31W C/W
"U" SHAPED FLUORESCENT LAMPS WITH CRI>80.
INCLUDE ONE 1-LAMP EMERGENCY BALLAST WIRED
TO AN UNSWITCHED CIRCUIT.

B DAYBRITE 2UGS231U1-34FL-120-1/2-EB
2'X2' PARABOLIC FIXTURE WITH ONE 2 LAMP
2'X2' PARABOLIC FIXTURE WITH ONE 2 LAMP
ELECTRONIC BALLAST AND TWO T-8 31W C/W
"U" SHAPED FLUORESCENT LAMPS WITH CRI>80

C DAYBRITE 2F232-PP-120-1/2-EB
INDUSTRIAL FIXTURE PENDANT
MOUNTED FIXTURE WITH ONE 2 LAMP ELECTRONIC
BALLAST AND TWO 4' T-8 32W C/W FLUORESCENT
LAMPS WITH CRI>80.

C/E DAYBRITE 2F232-PP-120-1/2-EB
INDUSTRIAL FIXTURE PENDANT
MOUNTED FIXTURE WITH ONE 2 LAMP ELECTRONIC
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LAMPS WITH CRI>80.
INCLUDE ONE 1-LAMP EMERGENCY BALLAST WIRED
TO AN UNSWITCHED CIRCUIT.

D HARRIS 1200-WP-100-HPS-HPF-120-PC
WALL MOUNTED HPS FIXTURE WITH ONE 100W HPS LAMP
CONTROLLED BY PHOTO CELL.

G KURT VERSEN V5637-50-DL
RECESSED HIGH PRESSURE SODIUM FIXTURE WITH ONE
50W HPS LAMP

H COLUMBIA F402-43-42-WHITE-120V-T8 ELECTRONIC BALLAST.
WALL MOUNTED INDIRECT/DIRECT FLUORESCENT FIXTURE
WITH 1-2LAMP ELECTRONIC BALLAST AND 2 T-8 32W C/W
LAMPS WITH CRI>80.

K HANOVER S-28091B-A-100-120-V-PC
WASS MOUNTED HIGH PRESSURE SODIUM FIXTURE WITH ONE
100W HPS LAMP CONTROLLED BY PHOTO CELL.

X EXITRONICS 602U-DL-WH-WB OR EQUAL
LED EXIT SIGN WITH BATTERY AND DOWNLIGHT

XX EXITRONICS 603U-DL-WH-WB OR EQUAL
LED EXIT SIGN WITH BATTERY AND DOWNLIGHT
WITH DOUBLE FACEPLATE AND CHEVRONS

EQUAL FIXTURE MANUFACTURERS ARE:
DAYBRITE, COLUMBIA, PRESCOLITE, KURT VERSEN, STONCO, CRESCENT

BALLASTS FOR THE ABOVE FIXTURES SHALL BE THE TYPE APPROVED
FOR POWER COMPANY REBATE.

DRAWINGS ARE DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT. THE MAIN COMPONENTS OF THE SYSTEMS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS. BASED ON THE SYSTEM CONCEPT, THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.

NOTES:

#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE,LOCAL RULES, AND REGULATIONS.

#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

#3 OCCUPANCY AND LIGHT SENSORS SHALL BE LOCATED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. SET SENSITIVITY AND TIME DELAY ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

#4 ALL EQUIPMENT SHOWN IS NEW UNLESS INDICATED AS "EX"

#5 FOR OCCUPANCY SENSOR WIRING, SEE LIGHTING CONTROL ONE-LINE ON SHEET E-5

#6 1/8HP IN-LINE FAN CONTROLLED BY OCCUPANCY SENSORS PROVIDE (2) TWO POLE 120V RELAYS

COMMONWEALTH OF MASSACHUSETTS
WILLIAM D. LIZOTTE
ELECTRICAL
No. 8477
REGISTERED PROFESSIONAL ENGINEER
1/6/97

REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

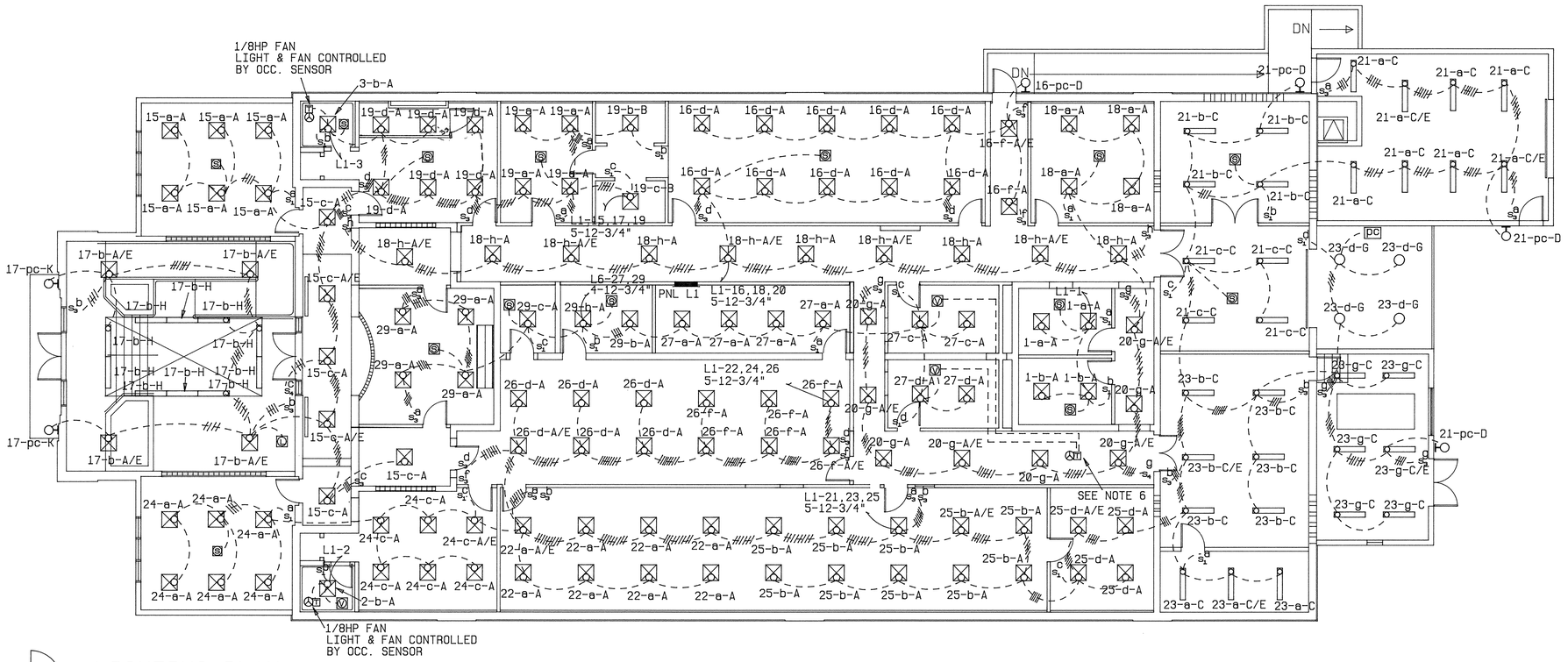
M/R/A COMMUNICATIONS BUILDING 1510
LIGHTING PLAN

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
WDL	1/8" = 1'-0"	WST4140 E - 2

DRAWN	DATE	PROJECT NUMBER
WDL	10 JAN 1997	YTPM 94-0084

SHEET 26 OF 29



LIGHTING PLAN

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COMMONWEALTH OF MASSACHUSETTS
WILLIAM D. LIZOTTE
ELECTRICAL
No. 3417
REGISTERED PROFESSIONAL ENGINEER
1/6/97

REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY
FIRE CHIEF
SAFETY
CORROSION ENGINEER
PROJECT ENGINEER
BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

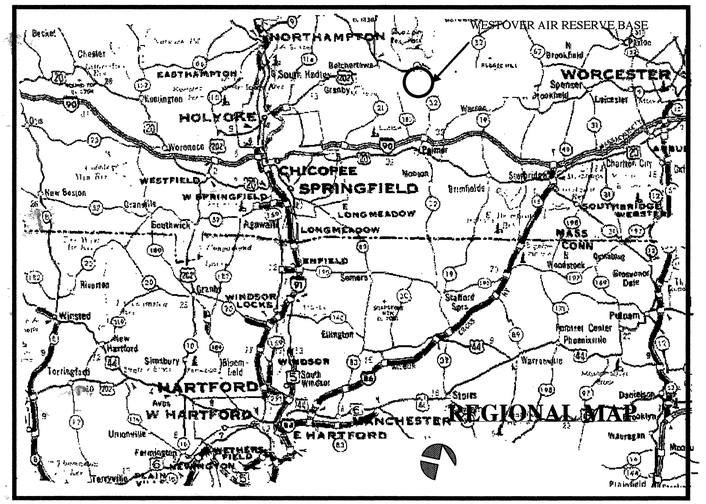
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

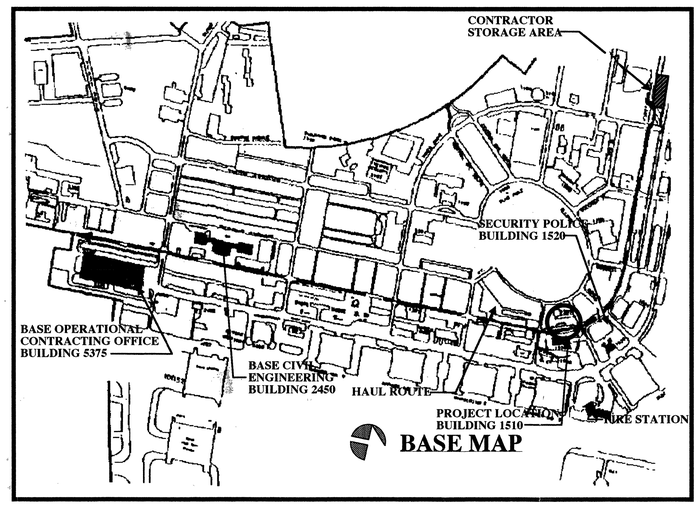
M/R/A COMMUNICATIONS BUILDING 1510
LIGHTING PLAN

SUBMITTED	RECOMMENDED	APPROVED	
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER	
DESIGNED WDL	SCALE 1/8" = 1'-0"	DRAWING NUMBER WST4140	E - 2
DRAWN WDL	DATE 10 JAN 1997	PROJECT NUMBER YTPM 94-0084	SHEET 26 OF 29

WESTOVER AIR RESERVE BASE
CHICOPEE, MASSACHUSETTS

RENOVATIONS TO
M/R/A/ COMMUNICATIONS
BUILDING 1510
YTPM 94-0084





LIST OF ABBREVIATIONS

@	AT	E.J.	EXPANSION JOINT	J	JOIST	PC	PIECE/PHOTOCELL	STL.	STEEL
A.B.	ANCHOR BOLT	EMERG.	EMERGENCY	JB	JUNCTION BOX	PL.	PLATE/PLASTIC	STD.	STANDARD
ACOUST.	ACOUSTIC/ACOUSTICAL	EQ.	EQUAL	JT.	JOINT	PLBG.	PLUMBING	STOR.	STORAGE
ADJ.	ADJACENT	EQUIP.	EQUIPMENT			PL. LAM.	PLASTIC LAMINATE	SUSP.	SUSPENDED
A.F.F.	ABOVE FINISHED FLOOR	E.W.C.	ELECTRIC WATER COOLER	Kwh	KILOWATT HOUR	PLYWD.	PLYWOOD	SW.	SWITCH
AL./ALUM.	ALUMINUM	EX./EXIST.	EXISTING	Kv	KILO VOLT	PNL	PANEL	T.	TREAD
AMP.	AMPHERE	EXP.	EXPANSION			POLY.	POLYETHYLENE	T & B	TOP AND BOTTOM
ARCH.	ARCHITECTURAL	EXT.	EXTERIOR	L	ANGLE	PREFAB.	PREFABRICATED	T & G	TONGUE AND GROOVE
ASB.	ASBESTOS			LAM.	LAMINATE	PT.	PAINT	T.C.	TOP OF CURB
		F.D.	FLOOR DRAIN	LAV.	LAVATORY	PVC	POYLVINYL CHLORIDE	TEL.	TELEPHONE
BD.	BOARD	F.E.	FIRE EXTINGUISHER	LG.	LONG	P.T.	PRESSURE TREATED	TEMP.	TEMPORARY
BLDG.	BUILDING	FIN.	FINISH	LGT.	LENGTH			T.F.E.	TOP OF FOOTING ELEVATION
BLK.	BLOCK	FL.	FLOOR	LH	LEFT HAND	Q.T.	QUARRY TILE	THRESH.	THRESHOLD
BOT.	BOTTOM	FLUOR.	FLUORESCENT	LW	LIGHT WEIGHT			THRU	THROUGH
B.S.	BOTH SIDES	FT. OR '	FEET			R.	RISERS	T.M.E.	TOP OF MASONRY WALL
		FURR'G	FURRING	MACH.	MACHINE	RAD.	RADIUS	T.O.S	TOP OF STEEL
CAB.	CABINET			MAS.	MASONRY	RBR.	RUBBER	T.S.	TUBE STEEL
C.B.	CONCRETE BLOCK	GA.	GAUGE	MAX.	MAXIMUM	REC.	RECESSED	T.T.F.	TRIM TO FIT
CEM.	CEMENT	GALV.	GALVANIZED	MECH.	MECHANICAL	RECEPT.	RECEPTACLE	T.W.E.	TOP OF WALL ELEVATION
CER.	CERAMIC	G.C.	GENERAL CONTRACTOR	MFR.	MANUFACTURER	REINF.	REINFORCED	TYP.	TYPICAL
C.G.	GENERAL CONTRACTOR	GEN.	GENERAL	M.H.	MANHOLE	REQ'D	REQUIRED		
C.F.M.	CUBIC FT. PER MINUTE	GL.	GLASS	MIN.	MINIMUM, MINUTE	RES.	RESISTANT	U.N.O.	UNLESS NOTED OTHERWISE
C.J.	CONTROL JOINT	GWB	GYPSUM WALL BOARD	MISC.	MISCELLANEOUS	RES'L	RESILIENT		
CLG.	CEILING			MTD.	MOUNTED	RET.	RETAINING	V.	VOLT
C.L.	CENTERLINE	HARDWR.	HARDWARE	MTL.	METAL	RM.	ROOM	VA	VOLT AMPERE
C.M.U.	CONCRETE MASONRY UNIT	H.C.	HOLLOW CORE			RW	RAINWATER	V.C.P.	VITRIFIED CLAY PIPE
CONC.	CONCRETE	H.CAP.	HANDICAPPED	N	NORTH			VCT	VINYL COMPOSITION TILE
CONTR.	CONTRACTOR	HD.	HEAD	N.I.C.	NOT IN CONTRACT	S	SOUTH	VERT.	VERTICAL
CPT.	CARPET	HDWD.	HARDWARE	NOM.	NOMINAL	SAN.	SANITARY	VWC	VINYL WALLCOVERING
C.T.	CERAMIC TILE	H.M.	HOLLOW METAL	NO.	NUMBER	S.C.	SOLID CORE		
		HOR.	HORIZONTAL	N.T.S.	NOT TO SCALE	SCHED.	SCHEDULE	W	WEST
DBL.	DOUBLE	H.R.	HANDRAIL			SD	STORM DRAIN	W.C.	WATER CLOSET
DIA.	DIAMETER	HT.	HEIGHT	OBS.	OBSERVATION	SECT.	SECTION	W.D.	WOOD
DIM.	DIMENSION			O.C.	ON CENTER	SHT.	SHEET	WF	WIDE FLANGE
DISP.	DISPENSER	I.D.	INSIDE DIAMETER	O.D.	OUTSIDE DIAMETER	SIM.	SIMILAR	WP	WATERPROOF
DN.	DOWN	IN. OR "	INCH	O.H.	OPPOSITE HAND	SPEC.	SPECIFICATIONS	W/	WITH
DWG.	DRAWING	INT.	INTERIOR	OPG.	OPENING	SQ.	SQUARE	W/O	WITHOUT
		INV.	INVERT	OPP.	OPPOSITE	S.S.	STAINLESS STEEL	WWF	WELDED WIRE FABRIC
EL.	ELEVATION								

LIST OF DRAWINGS

T-1	TITLE SHEET
C-1	SITE PLAN AND DETAILS
AD-1	DEMOLITION PLANS AND ELEVATIONS
ASB-1	ASBESTOS REMOVAL PLAN AND DETAILS
A-1	FLOOR PLANS
A-2	REFLECTED CEILING PLAN
A-3	EXTERIOR ELEVATIONS AND SECTIONS
A-4	ROOF PLAN
A-5	ENLARGED PLANS AND INTERIOR ELEV.
A-6	WALL SECTIONS AT ENTRY ADDITION
A-7	WALL SECTIONS AT REAR ADDITION
A-8	DOOR SCHEDULE AND DETAILS
A-9	ROOM FINISH SCHEDULE
A-10	ARCHITECTURAL DETAILS
S-1	FOUNDATION AND FRAMING PLANS
S-2	STRUCTURAL SECTIONS AND DETAILS
FP-1	FIRE PROTECTION SYSTEMS
P-1	PLUMBING FLOOR PLAN AND DETAILS
HVAC-1	DUCTWORK PLANS AND DETAILS
HVAC-2	PIPING PLAN AND DETAILS
HVAC-3	ENLARGED PLANS - MECH. ROOMS
HVAC- 4	MECHANICAL DETAILS
HVAC-5	MECHANICAL DETAILS
ED-1	ELECTRICAL DEMOLITION
E-1	POWER PLAN
E-2	LIGHTING PLAN
E-3	F/A - COMMUNICATIONS PLAN
E-4	TELEPHONE DATA AND SECURITY
E-5	ONE LINE DIAGRAMS AND DETAILS

CAOLO & BIENIEK ASSOCIATES, INC.
ARCHITECTS AND ENGINEERS

ENVIRONMENTAL ENGINEERS
ATC Environmental, Inc.

FIRE PROTECTION ENGINEERS
RYBAK ENGINEERING, INC.

MECHANICAL/PLUMBING ENGINEERS
TOWSLEY ASSOCIATES, INC.

ELECTRICAL ENGINEERS
E. M. SULLIVAN CO., INC.

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY | FIRE CHIEF | SAFETY | CORROSION ENGINEER | PROJECT ENGINEER | BIO-ENV. ENGINEER

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
TITLE SHEET

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	DRAWN	DATE	SCALE	PROJECT NUMBER	DRAWING NUMBER	SHEET
KRJ	KRJ	5 NOV 96	NO SCALE	YTPM 94-0084	WST 4140 T - 1	1 OF 29

PANEL SCHEDULE

PANEL	15A3P	20A1P	20A2P	20A3P	30A1P	30A2P	30A3P	40A3P	50A3P	60A3P	125A3P	200A3P	MAIN BREAKER	LOAD	REMARKS
L1	—	36	—	—	—	—	—	—	—	—	—	—	200A3P	75A	FLUSH 42K AIC. 225A CU.BUS. 42 POLES
P1	—	32	—	—	4	—	—	—	—	—	—	—	200A3P	90A	SURFACE 42K AIC. 225A CU.BUS. 42 POLES
P2	—	10	2	—	2	2	—	—	—	—	—	—	200A3P	50A	SURFACE 42K AIC. 225A CU.BUS. 42 POLES
P3	—	10	2	—	2	2	—	—	—	—	—	—	200A3P	50A	SURFACE 42K AIC. 225A CU.BUS. 42 POLES
P4	—	16	2	2	—	—	—	—	—	—	—	—	200A3P	60A	SURFACE 42K AIC. 225A CU.BUS. 42 POLES
P5							EXISTING PANEL								EXISTING PANEL
P7	—	7	7	4	—	—	2	—	—	—	1	—	400A3P	215A	SURFACE 42K AIC. 600A CU.BUS. 42 POLES
P8	3	3	2	2	—	2	—	1	1	1	—	1	400A3P	320A	SURFACE 42K AIC. 600A CU.BUS. 42 POLES
							FOR SWITCHBOARD SEE ONE-LINE								

ALL PANELS SHALL BE 3 PHASE 4 WIRE COPPER
BUS WITH HINGED LOCKING COVER. NO SERIES RATING.
SWITCHBOARD TO BE FREE STANDING COPPER BUS BRACED
FOR 50K AIC FULL RATING
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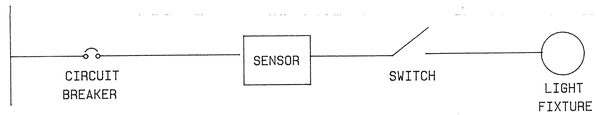
EASY ACCESS INTO THE BUILDING AND ELECTRIC ROOM.

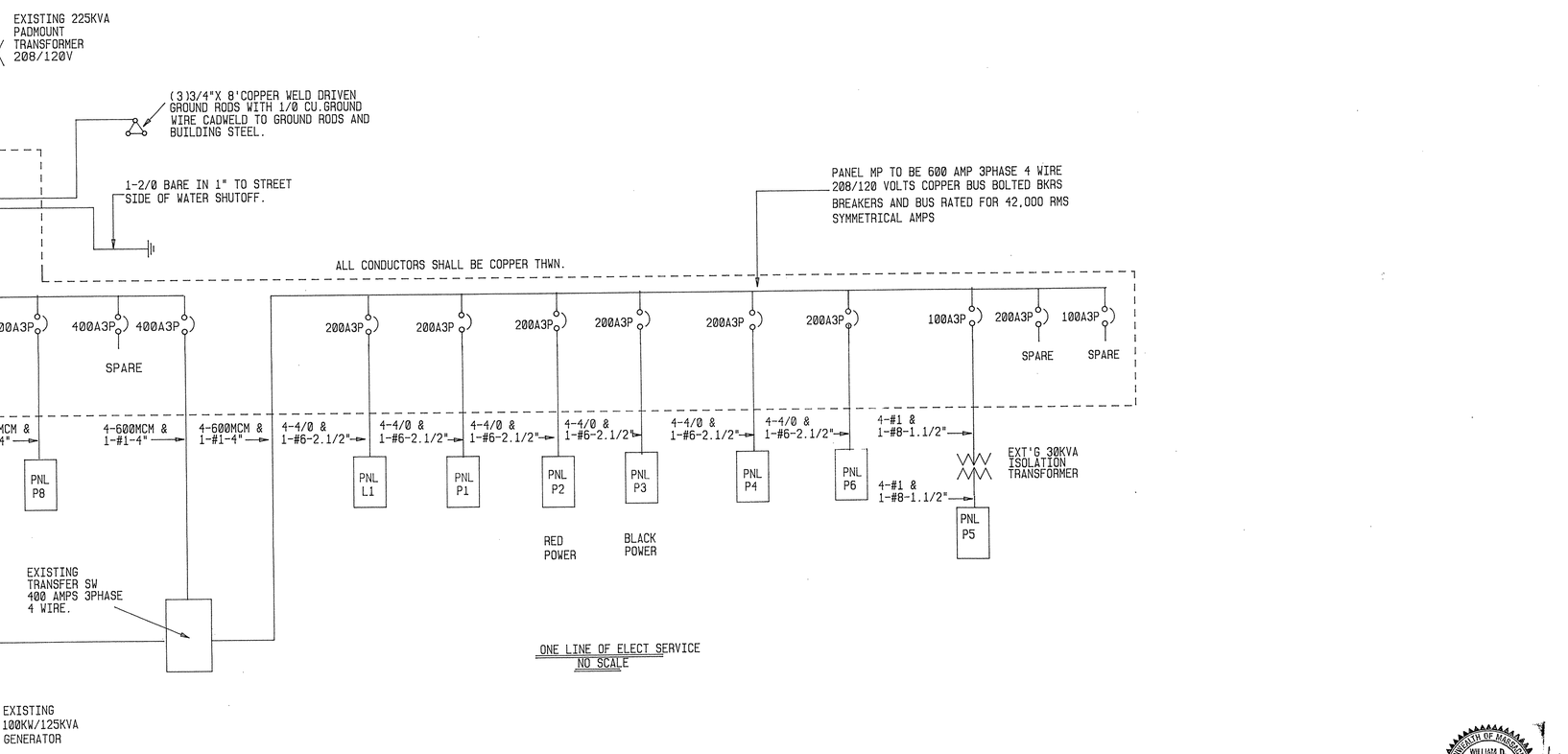


LIGHTING CONTROL ONE-LINE

NO SCALE

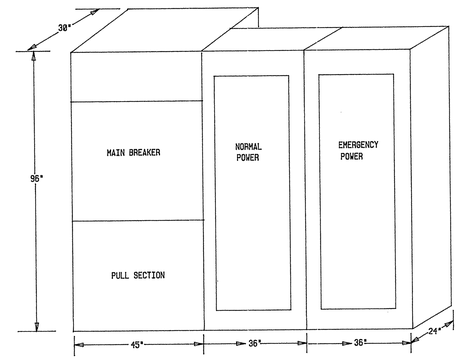
SYMBOLS

- ○ CEILING OUTLET SIZE AS REQUIRED
- ⊠ FLUORESCENT LIGHTING FIXTURE 2'X 2' RECESSED
- ⊖H LIGHT FIXTURE - WALL MOUNTED
- (I) EXISTING INCANDESCENT FIXTURE
- (F) EXISTING FLUORESCENT FIXTURE
- ▭ FLUORESCENT FIXTURE 1'x4'
- S^a_1 SINGLE POLE SWITCH CONTROLLING OUTLET (b) UP 48"
- S^b_3 THREE WAY SWITCH CONTROLLING OUTLET (b) UP 48"
- ——— INDICATES RACEWAY RUN TO PANEL
- – – – INDICATES RACEWAY RUN CONCEALED
- ——— INDICATES RACEWAY RUN IN CONCRETE
- ▶ NEW TELEPHONE OUTLET 18" UP WITH 3/4" STUBBED INTO CEILING SPACE.
- ▷ NEW DATA OUTLET 18" UP WITH 3/4" STUBBED INTO CEILING SPACE.
- 1-b-A CIRCUIT (1) SWITCH (b) FIXTURE TYPE (A)
- 1-b-A/E CIRCUIT (1) SWITCH (b) FIXTURE (A) WITH ONE LAMP EMERG. BALLAST ON UNSWITCHED CIRCUIT
- 2-o-bp CIRCUIT (2) NO SWITCH (o) BASE PLUG bp=18" UP bt=48" UP
- 4-12-3/4" INDICATES NUMBER OF 12GA. WIRES 3/4" IN RACEWAY
- L1-1-3-5 PANEL L1 CIRCUITS 1-3-5
- -///- FOUR (4) #12 (12GA.) CU IN 3/4" EMT (THREE NOT SHOWN)
- (S) FIRE ALARM SMOKE DETECTOR
- ▬ CIRCUIT BREAKER PANEL
- ◪ DISCONNECT SWITCH AND STARTER
- ◪ DISCONNECT SWITCH
- (Y) MOTOR
- T THERMAL SWITCH
- (C) CLOCK RECEPTACLE 120V, MOUNT 12" BELOW CEILING
- ◍ DUPLEX RECEPTACLE WP=WEATHER PROOF, EX=EXISTING
- ◍ 208V RECEPTACLE WP=WEATHER PROOF, EX=EXISTING
- ⊕ GFI RECEPTACLE (WP) INDICATES WEATHER PROOF
- F FIRE ALARM PULL STATION MINIMUM 48" TC CENTER LINE.
- ⊖ FIRE ALARM HORN & STROBE
- (M) FIRE ALARM MINI-HORN & STROBE
- INFRARED OCCUPANCY SENSOR
- LIGHT SENSOR - LOCATION & ADJUSTMENTS PER MANUF.
- ULTRASONIC OCCUPANCY SENSOR
- S FIRE ALARM STROBE
- M FIRE ALARM DOOR HOLDER
- D FIRE ALARM HEAT DETECTOR
- (SD) DUCT SMOKE DETECTOR
- FAP FIRE ALARM PANEL
- ⊕ EXIT SIGN
- EXIT SIGN WITH CHEVRON TYPE ARROWS
- PC PHOTO CELL 120V 500W MIN
- ▽ FIRE ALARM TRANSMITTER
- (M) MOTOR OPERATED DAMPER
- H ELECTRIC REHEAT COIL -
- TELE-POWER POLE
- (H) HVAC HUMIDIFIER -
- (O) OH DOOR CONTROL -
- (P) OH DOOR SENSOR -
- (HW) HOT WATER HEATER -



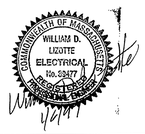
ONE LINE OF ELECT SERVICE

NO SCALE



DETAIL OF SWITCHBOARD

NO SCALE



REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510 ONE-LINE AND DETAILS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION/COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
WDL	AS SHOWN	WST4140 E - 5

DRAWN	DATE	PROJECT NUMBER	SHEET
WDL	10 JAN 1997	YTPM 94-0084	29 OF 29

PANEL SCHEDULE

PANEL	15A3P	20A1P	20A2P	20A3P	30A1P	30A2P	30A3P	40A3P	50A3P	60A3P	125A3P	200A3P	MAIN BREAKER	LOAD	REMARKS
L1	—	36	—	—	—	—	—	—	—	—	—	—	200A3P	75A	FLUSH 42K AIC, 225A CU.BUS, 42 POLES
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P3	—	10	2	—	2	2	—	—	—	—	—	—	200A3P	50A	SURFACE 42K AIC, 225A CU.BUS, 42 POLES
P4	—	16	2	2	—	—	—	—	—	—	—	—	200A3P	60A	SURFACE 42K AIC, 225A CU.BUS, 42 POLES
P5							EXISTING PANEL								EXISTING PANEL
P7	—	7	7	4	—	—	2	—	—	—	1	—	400A3P	215A	SURFACE 42K AIC, 600A CU.BUS, 42 POLES
P8	3	3	2	2	—	2	—	1	1	1	—	1	400A3P	320A	SURFACE 42K AIC, 600A CU.BUS, 42 POLES
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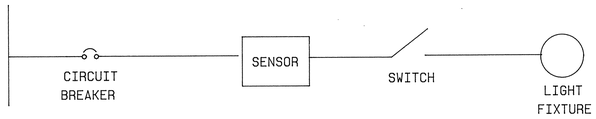

LIGHTING CONTROL ONE-LINE

NO SCALE

SYMBOLS

- CEILING OUTLET SIZE AS REQUIRED
- FLUORESCENT LIGHTING FIXTURE 2'X 2' RECESSED
- LIGHT FIXTURE - WALL MOUNTED
- (I) EXISTING INCANDESCENT FIXTURE
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- FLUORESCENT FIXTURE 1'x4'
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- INFRARED OCCUPANCY SENSOR
- LIGHT SENSOR - LOCATION & ADJUSTMENTS PER MANUF.
- ULTRASONIC OCCUPANCY SENSOR
- [S] FIRE ALARM STRUBE
- [M] FIRE ALARM DOOR HOLDER
- FIRE ALARM HEAT DETECTOR
- (SD) DUCT SMOKE DETECTOR
- [FAP] FIRE ALARM PANEL
- EXIT SIGN
- EXIT SIGN WITH CHEVRON TYPE ARROWS
- [PC] PHOTO CELL 120V 500W MIN
- FIRE ALARM TRANSMITTER
- (M) MOTOR OPERATED DAMPER
- [H] ELECTRIC REHEAT COIL -
- TELE-POWER POLE
- (H) HVAC HUMIDIFIER -
- (D) OH DOOR CONTROL -
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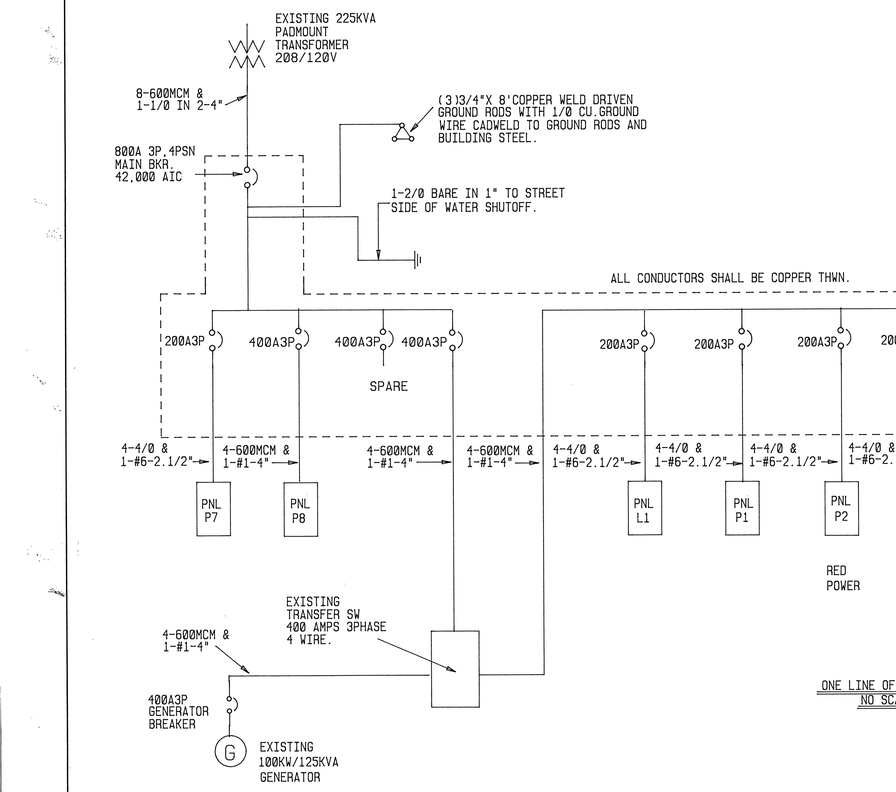
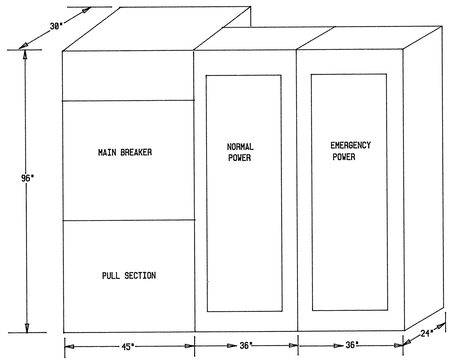


ONE LINE OF ELECT SERVICE

NO SCALE



DETAIL OF SWITCHBOARD

NO SCALE

COMMONWEALTH OF MASSACHUSETTS
WILLIAM D. LIZOTTE
ELECTRICAL
No. 32477
REGISTERED
PROFESSIONAL ENGINEER

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF					
SAFETY					
CORROSION ENGINEER					

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
ONE-LINE AND DETAILS

PROJECT ENGINEER	SUBMITTED: CHIEF ENGINEER	RECOMMENDED: BASE ENGINEER	APPROVED: INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED WDL; DRAWN WDL; DATE 10 JAN 1997	SCALE AS SHOWN; PROJECT NUMBER YTPM 94-0084	DRAWING NUMBER WST1418 E-5; SHEET 29 OF 29

AIR HANDLING UNIT SCHEDULE

UNIT #	CFM	EXT. S.P. *	FAN MOTOR				HEATING COIL CAPACITY						CHILLED WATER COIL CAPACITY						"DX" COOLING COIL CAPACITY					MFG. MODEL #
			HP	VOLTS	PHASE	HZ	EAT °F	LAT °F	MBH	GPM	EWT °F	LWT °F	EAT DB/WB	LAT DB/WB	MBH TOTAL	MBH SEN	GPM	EWT °F	LWT °F	SCT TEMP	EAT °F	LAT °F	MBH TOTAL	MBH SEN	
1	3800	2.0	3	208	3	60	62°		75.1	7.5	180°	160°	72.7		104.0	89.2	30	45°	55°	——	——	——	——	——	WITT MVL 108
2	10530	1.3	7-1/2	208	3	60	53°		88.2	8.8	180°	160°	72.0		242.7	235.3	50	45°	55°	45	72.0		242.7	235.3	LIEBERT FH/UH 442C
3	2000	1.0	2	208	3	60	63°		88.2	8.8	180°	160°	72.0		61.2	53.4	12	45°	55°	45	72.0		61.2	53.4	LIEBERT BF/BU 071 WG
4	1500	.50*	3/4	208	3	60	63°		46.5	4.6	180°	160°	80/67		37.2	29.4	8.0	45°	55°	——	——	——	——	——	MAGIC AIR 36 BHW-4
5	1500	.50*	3/4	208	3	60	63°		46.5	4.6	180°	160°	80/67		37.2	29.4	8.0	45°	55°	——	——	——	——	——	MAGIC AIR 36 BHW-4

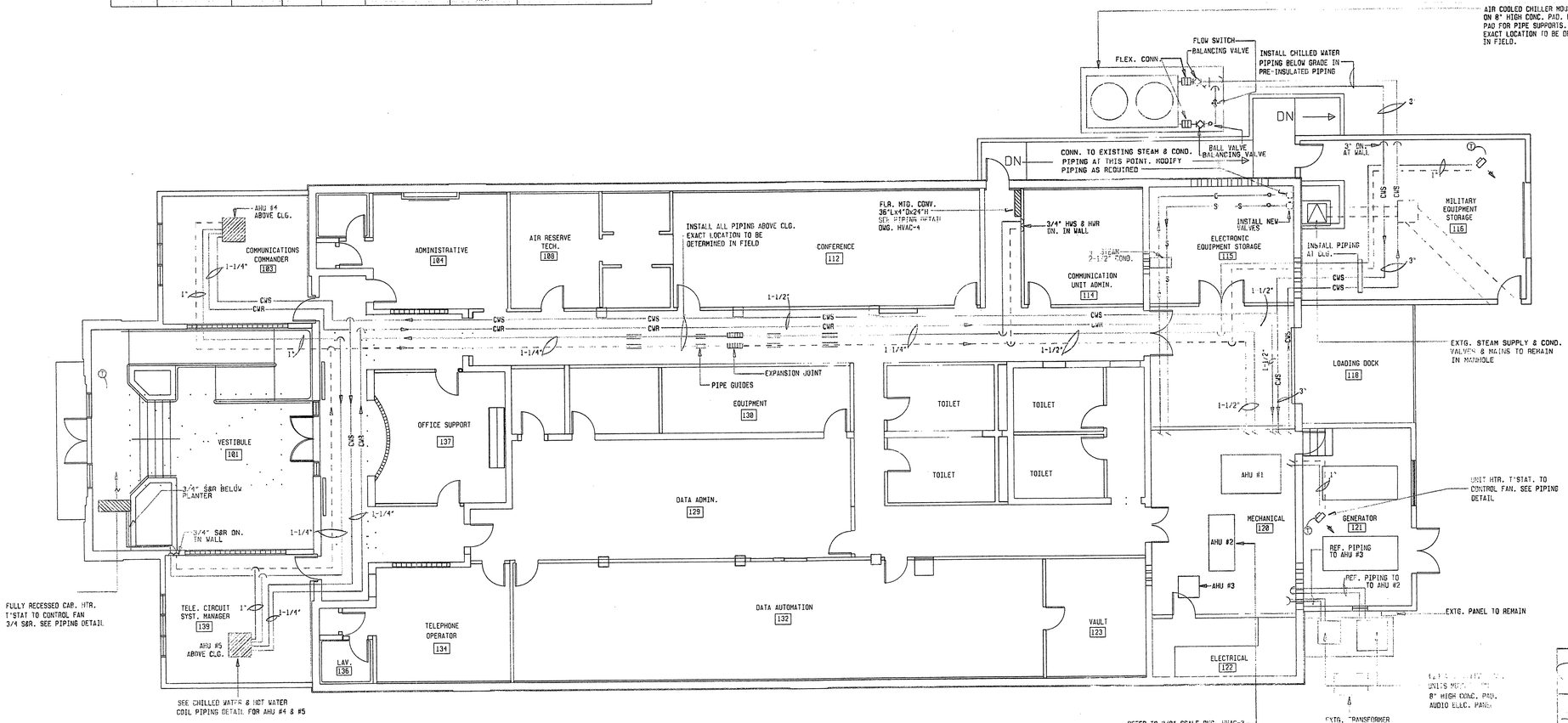
* SEE SPECIFICATIONS ON FAN MOTOR

EXHAUST FAN SCHEDULE

FAN #	SPACE	CFM	S.P.	MIN HP	ELEC. CHAR.	B.D. DAMPER	REMARKS
1	TOILET ROOM	400	3/8	1/8	120/1/60	YES	IN-LINE TYPE; PROVIDE VIBRATION ISOLATORS
2	TOILET ROOM	100	1/4	1/8	120/1/60	YES	PROVIDE ROOF EXHAUST HOOD & VIBRATION ISOLATORS
3	TOILET ROOM	100	1/4	1/8	120/1/60	YES	PROVIDE ROOF EXHAUST HOOD & VIBRATION ISOLATORS
4	SMOKE EXHAUST SYSTEM	6500	1.25	3	208/3/60	N/A	FLOOR MOUNTED WITH VIBRATION ISOLATORS

PUMP SCHEDULE

PUMP #	SERVICE	GPM	HEAD IN FT	RPM	HP	VOLTS	PHASE	CY.	REMARKS
1	CHILLED WATER	106	45	1750	2	208	3	60	
2	CHILLED WATER	106	45	1750	2	208	3	60	
3	HEATING	30	30	1750	3/4	208	3	60	
4	HEATING	30	30	1750	3/4	208	3	60	



PIPING FLOOR PLAN

SCALE 1/8"=1'-0"

WILLIAM A. TOWNSLEY MECHANICAL 35337 REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS
JAN 10 1997

REV..	DATE	DESCRIPTION	DRAWN	APPR'D
		100% SUBMISSION		

TENANT AGENCY

FIRE CHIEF

SAFETY

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

PIPING FLOOR PLAN

	SUBMITTED	RECOMMENDED	APPROVED
PROJECT ENGINEER	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
	DESIGNED: WAT	SCALE: NOTED	DRAWING NUMBER: HVAC-2 WST 4140
	DRAWN: WAT	DATE: 1-10-97	PROJECT NUMBER: YTPM 94-6084
			SHEET 20 OF 29

AIR HANDLING UNIT SCHEDULE

UNIT #	CFM	EXT. S.P. *	FAN MOTOR HP	VOLTS	PHASE	HZ	HEATING COIL CAPACITY EAT °F	LAT °F	MBH	GPM	EWT °F	LWT °F	CHILLED WATER COIL CAPACITY EAT DB/WB	LAT DB/WB	MBH TOTAL	MBH SEN	GPM	EWT °F	LWT °F	"DX" COOLING COIL CAPACITY SCT TEMP	EAT °F	LAT °F	MBH TOTAL	MBH SEN	MFG. MODEL #
1	3800	2.0	3	208	3	60	67°		75.1	7.5	180°	160°	72.7		104.0	89.2	30	45°	55°	——	——	——	——	——	WITT MVL 108
2	10530	1.3	7-1/2	208	3	60	53°		88.2	8.8	180°	160°	72.0		242.7	235.3	50	45°	55°	45	72.0		242.7	235.3	LIEBERT FH/UH 442C
3	2000	1.0	2	208	3	60	63°		88.2	8.8	180°	160°	72.0		61.2	53.4	12	45°	55°	45	72.0		61.2	53.4	LIEBERT BF/BU 071 WG
4	1500	.50*	3/4	208	3	60	63°		46.5	4.6	180°	160°	80/67		37.2	29.4	8.0	45°	55°	——	——	——	——	——	MAGIC AIR 36 BHW-4
5	1500	.50*	3/4	208	3	60	63°		46.5	4.6	180°	160°	80/67		37.2	29.4	8.0	45°	55°	——	——	——	——	——	MAGIC AIR 36 BHW-4

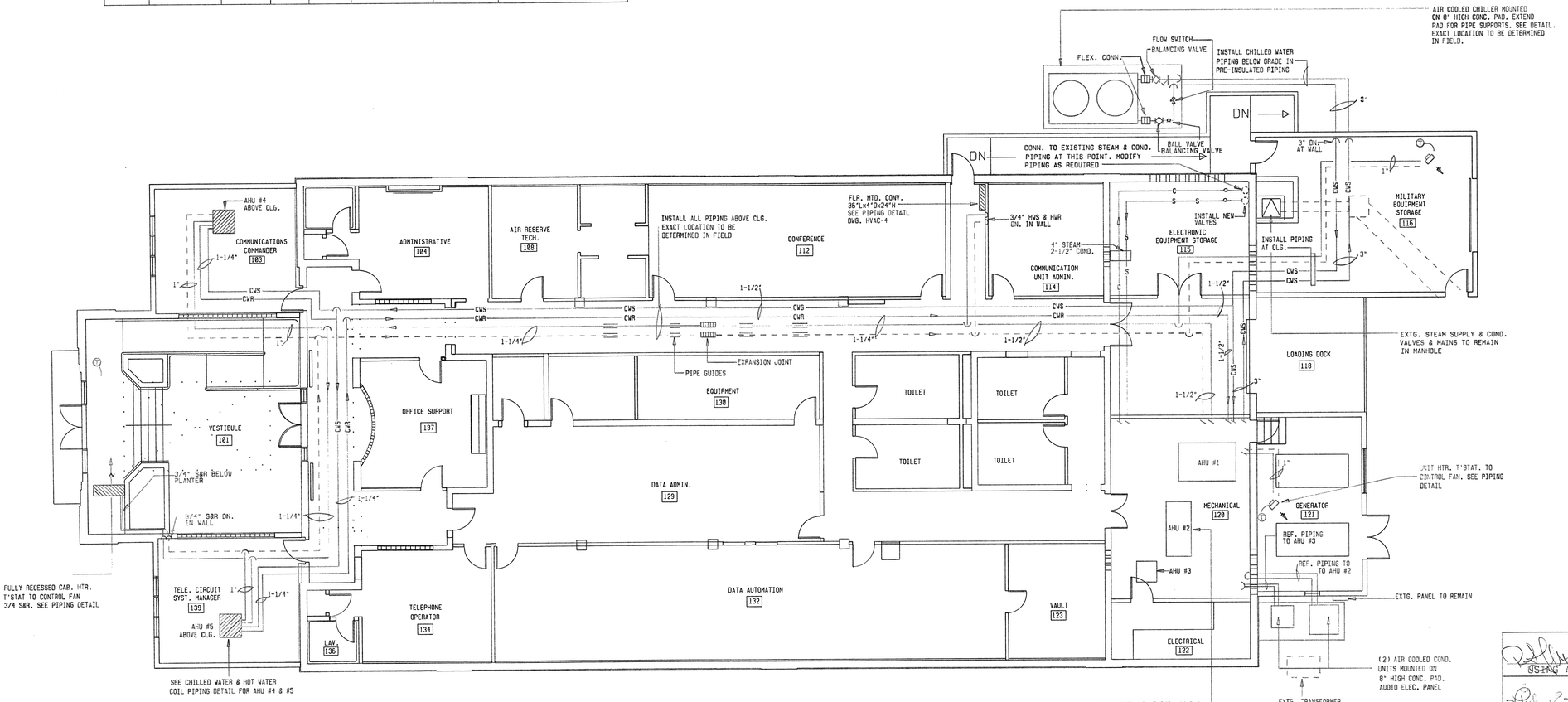
* SEE SPECIFICATIONS ON FAN MOTOR

EXHAUST FAN SCHEDULE

FAN #	SPACE	CFM	S.P.	MIN HP	ELEC. CHAR.	B.D. DAMPER	REMARKS
1	TOILET ROOM	400	3/8	1/8	120/1/60	YES	IN-LINE TYPE: PROVIDE VIBRATION ISOLATORS
2	TOILET ROOM	100	1/4	1/8	120/1/60	YES	PROVIDE ROOF EXHAUST HOOD & VIBRATION ISOLATORS
3	TOILET ROOM	100	1/4	1/8	120/1/60	YES	PROVIDE ROOF EXHAUST HOOD & VIBRATION ISOLATORS
4	SMOKE EXHAUST SYSTEM	6500	1.25	3	208/3/60	N/A	FLOOR MOUNTED WITH VIBRATION ISOLATORS

PUMP SCHEDULE

PUMP #	SERVICE	GPM	HEAD IN FT	RPM	HP	VOLTS	PHASE	CY.	REMARKS
1	CHILLED WATER	106	45	1750	2	208	3	60	
2	CHILLED WATER	106	45	1750	2	208	3	60	
3	HEATING	30	30	1750	3/4	208	3	60	
4	HEATING	30	30	1750	3/4	208	3	60	



PIPING FLOOR PLAN

SCALE 1/8"=1'-0"

COMMONWEALTH OF MASSACHUSETTS
WILLIAM A. TOWSLEY
MECHANICAL
35337
REGISTERED
PROFESSIONAL ENGINEER

JAN 10 1997

REV..	DATE	DESCRIPTION	DRAWN	APPR'D
		100% SUBMISSION		

USING AGENCY
FIRE CHIEF
SAFETY
CE

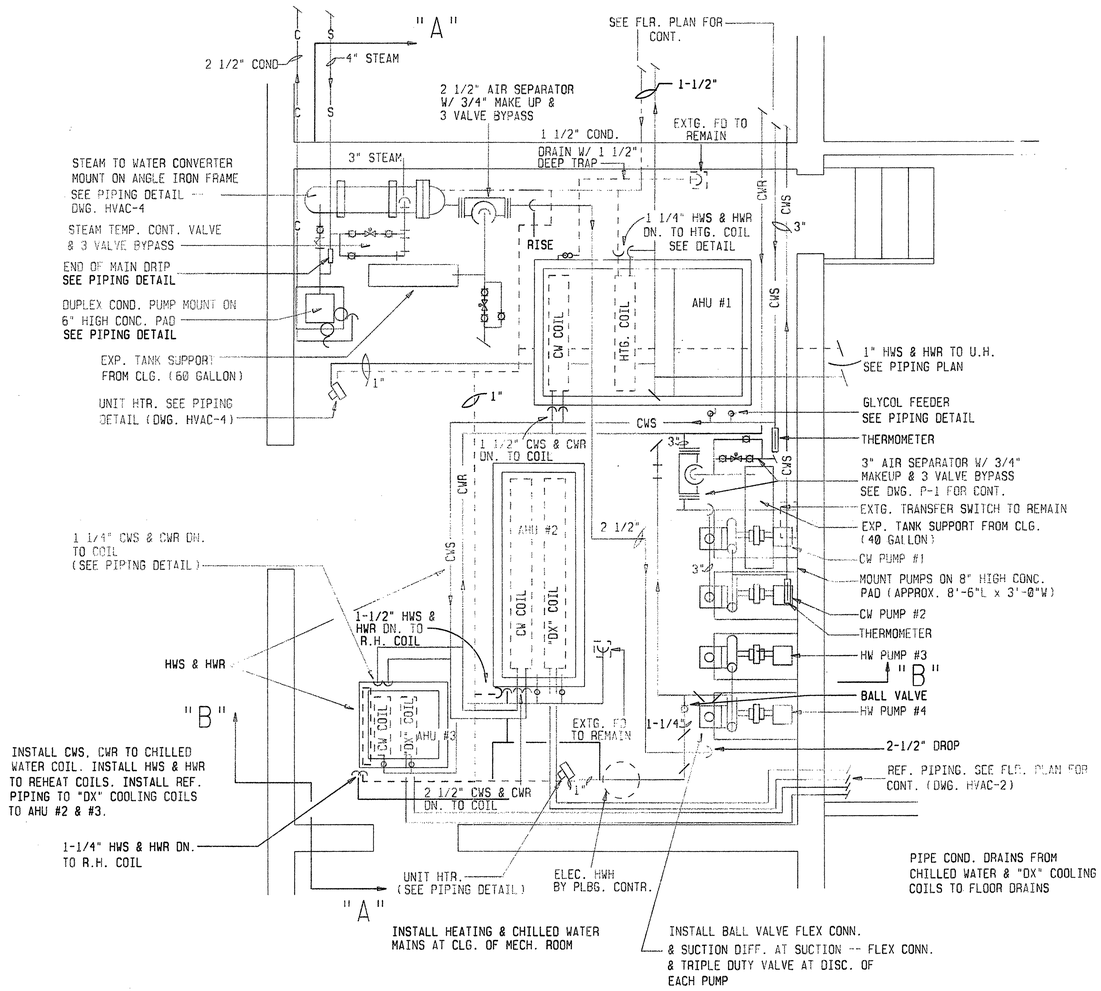
AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

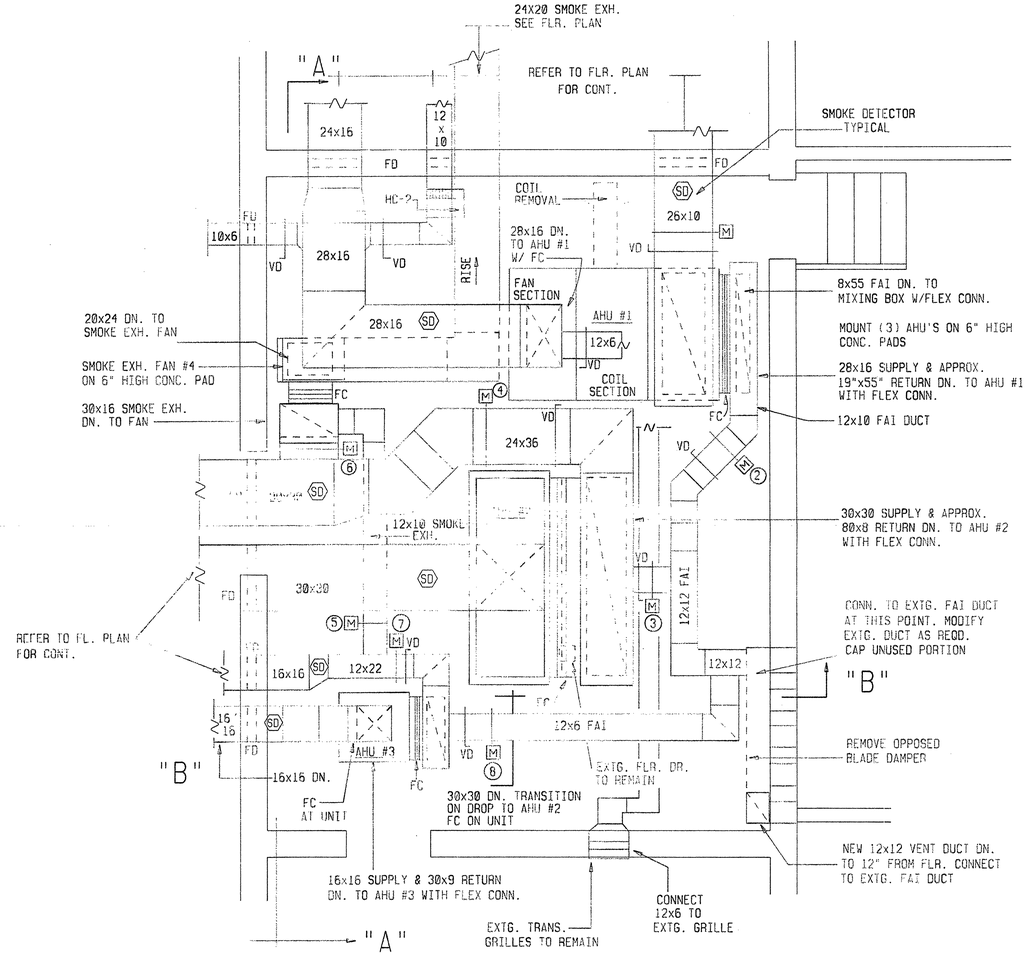
M/R/A COMMUNICATIONS BUILDING 1510
PIPING FLOOR PLAN

	SUBMITTED	RECOMMENDED	APPROVED
John E Cullen PROJECT ENGINEER	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
Robert E Conway BIO-ENV. ENGINEER	DESIGNED WAT / DRAWN WAT / DATE 1-10-97	SCALE NOTED / PROJECT NUMBER YTPM 94-6084	DRAWING NUMBER HVAC-2 WST 1510 / SHEET 20 OF 29



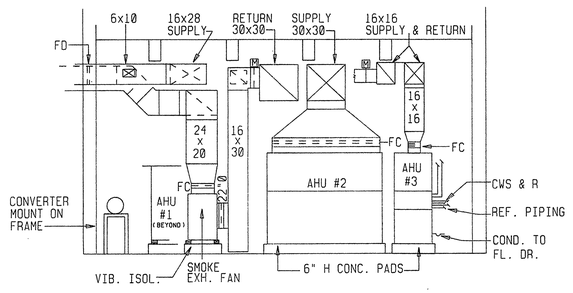
PIPING MECHANICAL ROOM PLAN

SCALE 3/8" = 1'-0"

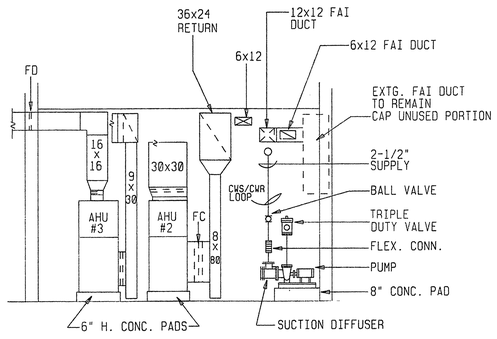


DUCTWORK MECHANICAL ROOM PLAN

SCALE 3/8" = 1'-0"



SECTION "AA"

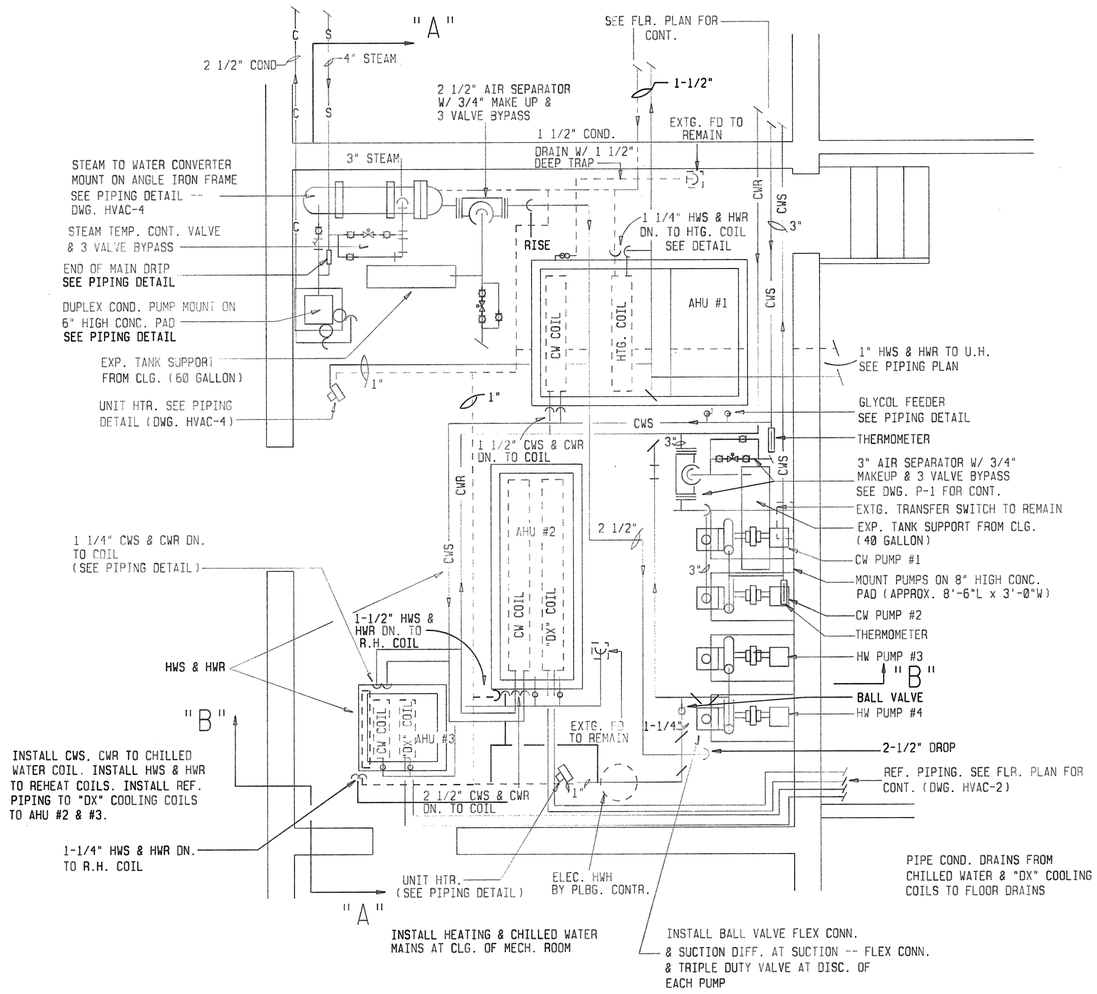


SECTION "BB"

COMMONWEALTH OF MASSACHUSETTS
WILLIAM A. TOWSLEY
MECHANICAL
35337
REGISTERED PROFESSIONAL ENGINEER

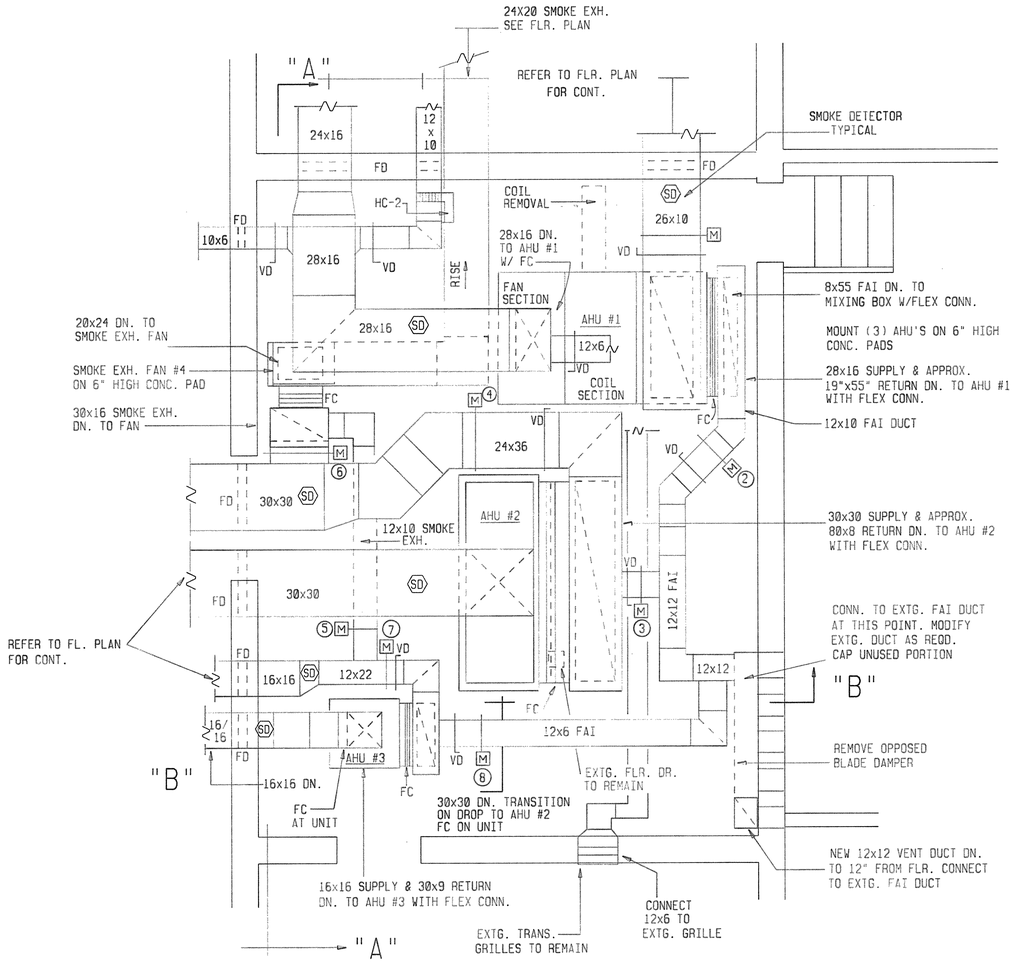
JAN 1 C 1997

USING AGENCY			100% SUBMISSION		
	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
CIVIL ENGINEER	AIR FORCE RESERVE				
	CIVIL ENGINEERING				
SAFETY	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
	M/R/A COMMUNICATIONS BUILDING 1510				
CORROSION ENGINEER	PIPING/DUCTWORK MECHANICAL ROOM PLAN				
PROJECT ENGINEER	SUBMITTED: CHIEF ENGINEER		RECOMMENDED: BASE ENGINEER	APPROVED: INSTALLATION COMMANDER	
	DESIGNED: W A T		SCALE: 1/8" = 1'-0"	DRAWING NUMBER: HVAC-3 WST 4140	
BIO-ENV. ENGINEER	DRAWN: W A T	DATE: 1-10-97	PROJECT NUMBER: YIPM 94-0084	SHEET 21 OF 29	



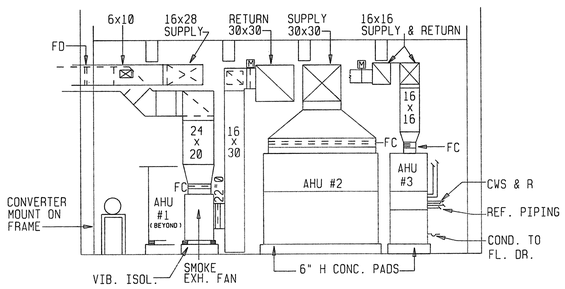
PIPING MECHANICAL ROOM PLAN

SCALE 3/8" = 1'-0"

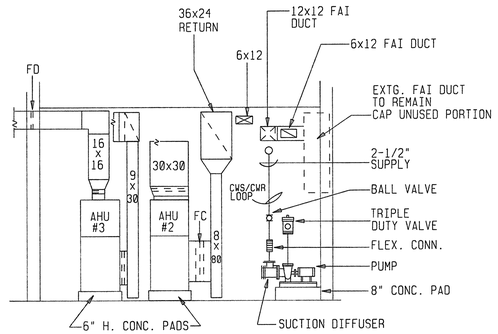


DUCTWORK MECHANICAL ROOM PLAN

SCALE 3/8" = 1'-0"



SECTION "AA"



SECTION "BB"

COMMONWEALTH OF MASS. WILLIAM A. TOWSLEY MECHANICAL 35337 REGISTERED PROFESSIONAL ENGINEER

JAN 10 1997

REV..	DATE	DESCRIPTION	DRAWN	APPR'D
		100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

AIR FORCE RESERVE

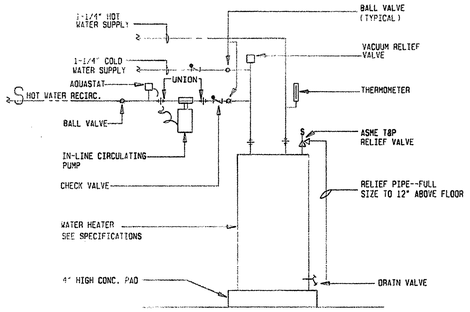
CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

PIPING/DUCTWORK MECHANICAL ROOM PLAN

	SUBMITTED	RECOMMENDED	APPROVED
PROJECT ENGINEER: John E Cullen	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
BIO-ENV. ENGINEER: Robert Pomeroy	DESIGNED: WAT	SCALE: 1/8" = 1'-0"	DRAWING NUMBER: HVAC-3 WST 4140
	DRAWN: WAT	DATE: 1-10-97	PROJECT NUMBER: YTPM 94-0084
			SHEET 21 OF 29



PIPING DETAIL AT ELECTRIC WATER HEATER

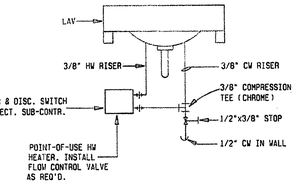
NO SCALE

PLUMBING FIXTURE SCHEDULE

NO.	DESCRIPTION	CONNECTIONS CW	HW	W	V	REMARKS
P-1	WATER CLOSET	1"		4"	2"	WAT. MID., FLUSH VALVE
P-2	HC WATER CLOSET	1"	---	4"	2"	" "
P-3	URINAL	3/4"		2"	1-1/2"	
P-4	LAV	3/4"	3/4"		1-1/2"	
P-5	MOP RECEP.	1/2"	1/2"	1-1/2"	1-1/2"	
P-6	WATER COOLER	1/2"	---	1-1/2"	1-1/2"	
P-7	WATER CLOSET	1"	---	4"	2"	FLR. MID., FLUSH VALVE
P-8	WATER CLOSET	1/2"	---	4"	2"	TANK TYPE
P-9	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	

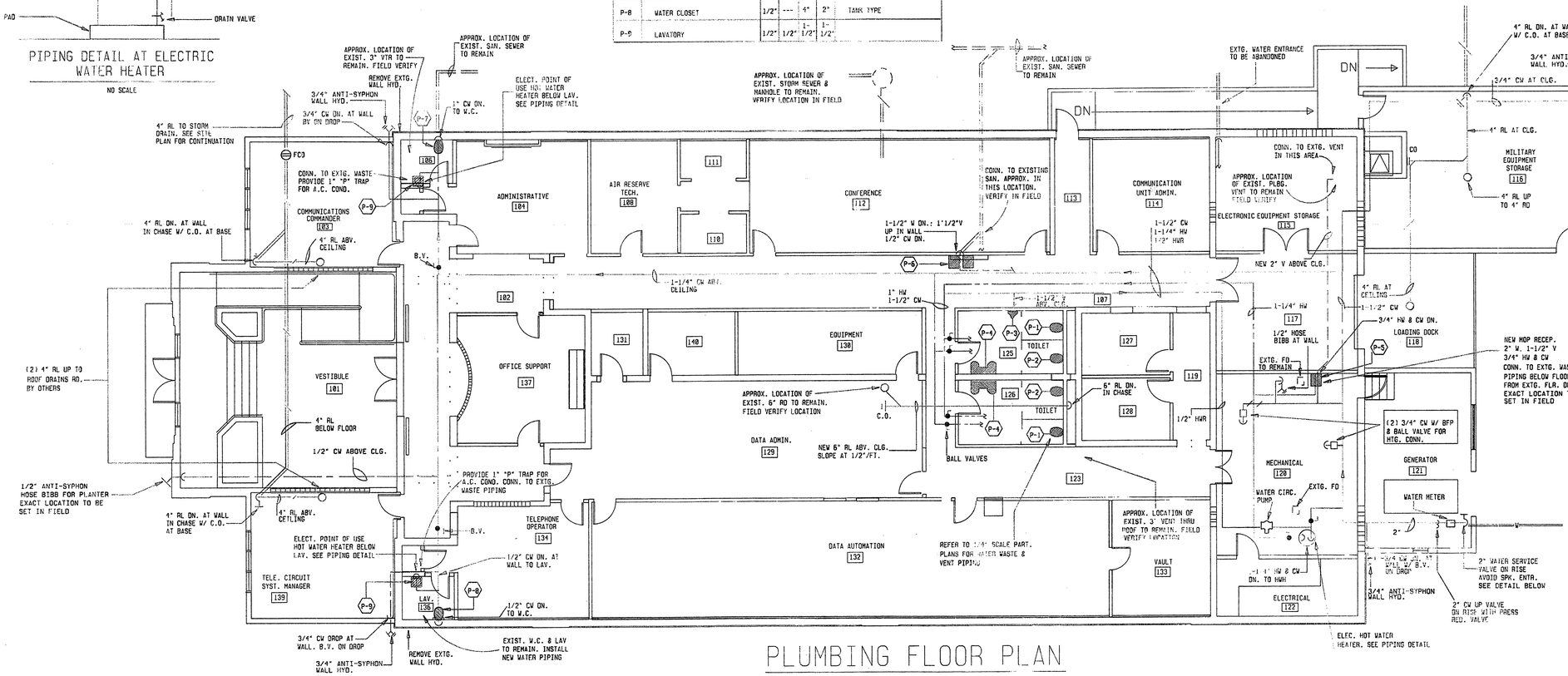
DEMOLITION NOTES:

1) REMOVE OBSOLETE GAS SERVICE & RELATED PIPING
2) REMOVE ALL PLUMBING FIXTURES, RELATED WASTE, VENT & WATER PIPING
3) REMOVE ELECTRIC HOT WATER HEATER. HEATER TO REMAIN PROPERTY OF GOVERNMENT
4) REMOVE EXISTING WATER ENTRANCE



POINT OF USE WATER HEATER PIPING DETAIL

NO SCALE

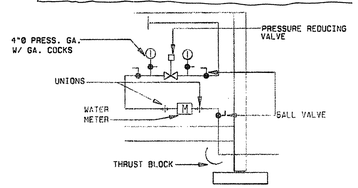


PLUMBING FLOOR PLAN

SCALE 1/8"=1'-0"

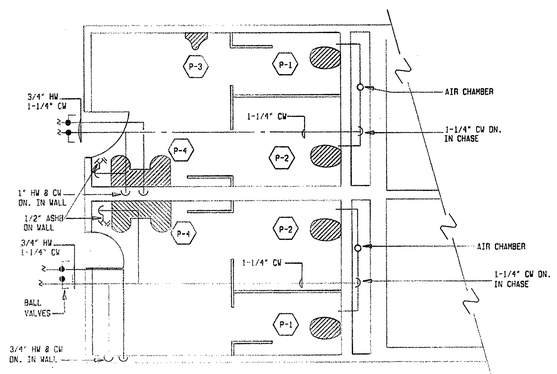
LEGEND

— — —	COLD WATER (CW)
— - — - —	HOT WATER (HW)
— - - - —	HOT WATER RECIRCULATING
═══	WASTE PIPING BELOW GRADE
———	WASTE PIPING ABOVE FLOOR
═══	STORM PIPING BELOW GRADE
———	STORM PIPING ABOVE FLOOR
—⋊—	VALVE ON DROP
—⊖—	FLOOR CLEANOUT
—◈—	WALL HYDRANT (WH)
—⋈—	BALL VALVE (BV)
P-1	INDICATES PLBG. FIXTURE #
C.O.	CLEANOUT
A.P.	ACCESS PANEL
R.D.	ROOF DRAIN
R.L.	RAIN LEADER
H.B.	ANTI-SYPHON HOSE BIBB
S.D.	STORM DRAIN
F.D.	FLOOR DRAIN
B.F.P	BACK FLOW PREVENTOR



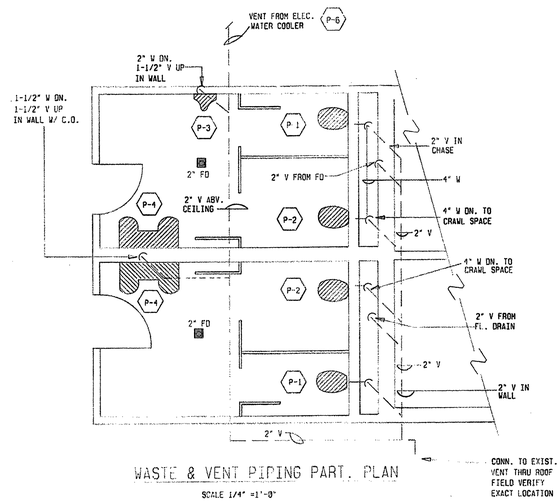
WATER ENTRANCE DETAIL

NO SCALE



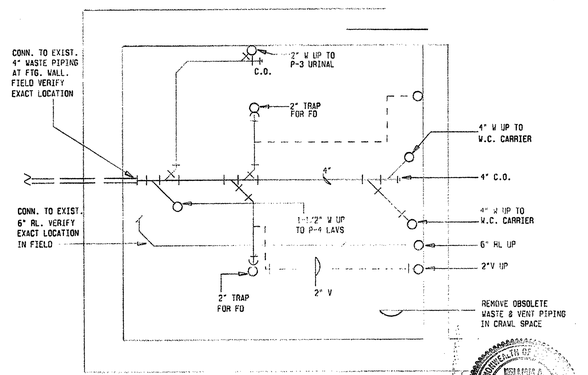
WATER PIPING PART. PLAN

SCALE 1/4" =1'-0"



WASTE & VENT PIPING PART. PLAN

SCALE 1/4" =1'-0"



CRAWL SPACE PLAN

SCALE 1/4" =1'-0"

JAN 16 1997

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
			100% SUBMISSION		

FIRE CHIEF

SAFETY

CORROSION ENGINEER

AIR FORCE RESERVE

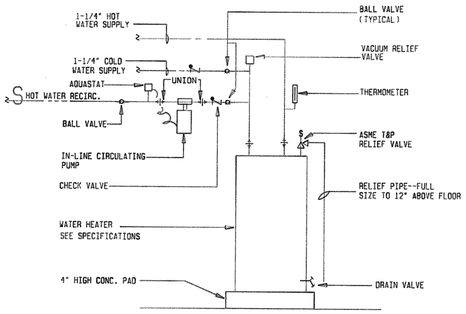
CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

PLUMBING FLOOR PLAN

	SUBMITTED	RECOMMENDED	APPROVED
PROJECT ENGINEER	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
BIO ENV. ENGINEER	DESIGNED WAT / DRAWN WAT / DATE 1-10-97	SCALE 1/8" = 1'-0" / PROJECT NUMBER YIPN 94-0084	DRAWING NUMBER P-1 WST 1510 / SHEET 18 OF 24



PIPING DETAIL AT ELECTRIC WATER HEATER

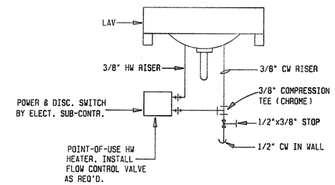
NO SCALE

PLUMBING FIXTURE SCHEDULE

NO.	DESCRIPTION	CONNECTIONS CW	HW	W	V	REMARKS
P-1	WATER CLOSET	1"	---	4"	2"	WALL MTD., FLUSH VALVE
P-2	HC WATER CLOSET	1"	---	4"	2"	" "
P-3	URINAL	3/4"	---	2"	1-1/2"	
P-4	LAV	3/4"	3/4"		1-1/2"	
P-5	MOP RECEP.	1/2"	1/2"	1-1/2"	1-1/2"	
P-6	WATER COOLER	1/2"	---	1-1/2"	1-1/2"	
P-7	WATER CLOSET	1"	---	4"	2"	FLR. MTD., FLUSH VALVE
P-8	WATER CLOSET	1/2"	---	4"	2"	TANK TYPE
P-9	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	

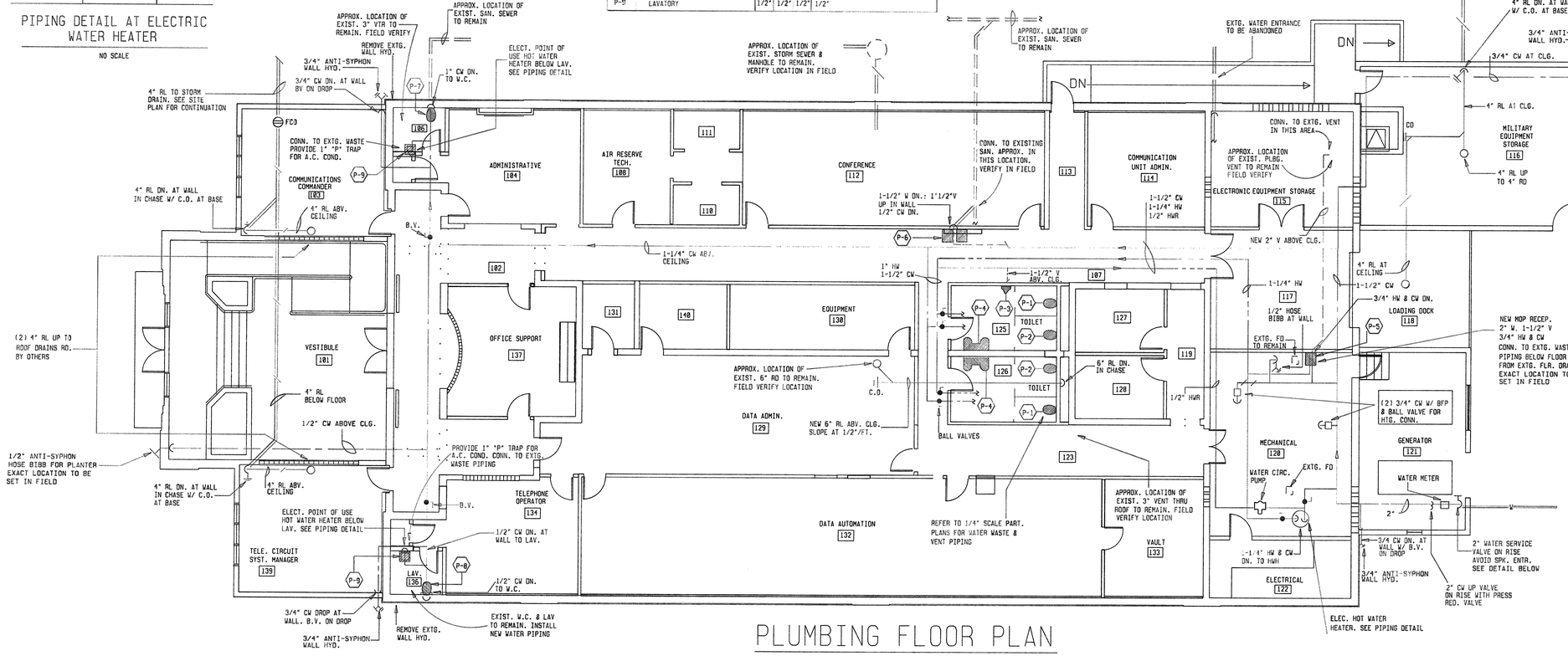
DEMOLITION NOTES:

1) REMOVE OBSOLETE GAS SERVICE & RELATED PIPING
2) REMOVE ALL PLUMBING FIXTURES, RELATED WASTE, VENT & WATER PIPING
3) REMOVE ELECTRIC HOT WATER HEATER. HEATER TO REMAIN PROPERTY OF GOVERNMENT
4) REMOVE EXISTING WATER ENTRANCE



POINT OF USE WATER HEATER PIPING DETAIL

NO SCALE



PLUMBING FLOOR PLAN

SCALE 1/8"=1'-0"

LEGEND

— — —	COLD WATER (CW)
— - — - —	HOT WATER (HW)
— - - — - - —	HOT WATER RECIRCULATING
═══	WASTE PIPING BELOW GRADE
———	WASTE PIPING ABOVE FLOOR
═══	STORM PIPING BELOW GRADE
———	STORM PIPING ABOVE FLOOR
——⋊——	VALVE ON DROP
——⊖——	FLOOR CLEANOUT
——⋊——	WALL HYDRANT (WH)
——●——	BALL VALVE (BV)
P-1	INDICATES PLBG. FIXTURE #
C.O.	CLEANOUT
A.P.	ACCESS PANEL
R.D.	ROOF DRAIN
R.L.	RAIN LEADER
H.B.	ANTI-SYPHON HOSE BIBB
S.D.	STORM DRAIN
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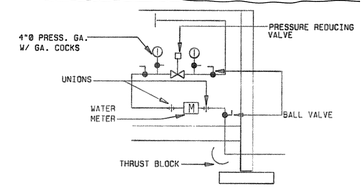
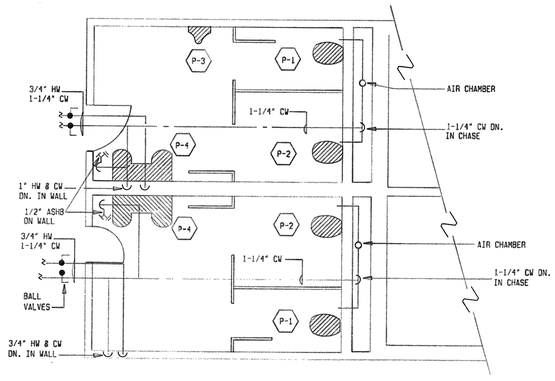


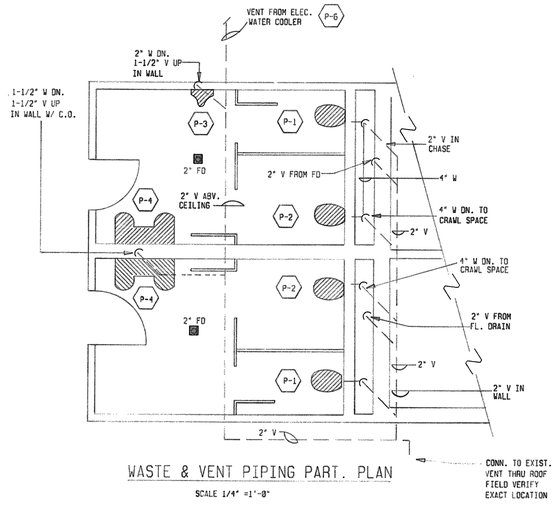
WATER ENTRANCE DETAIL

NO SCALE



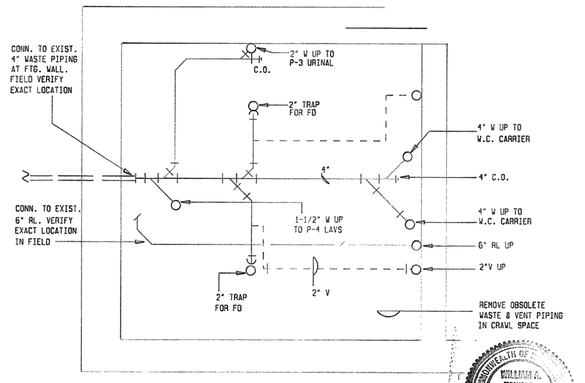
WATER PIPING PART. PLAN

SCALE 1/4" =1'-0"



WASTE & VENT PIPING PART. PLAN

SCALE 1/4" =1'-0"



CRAWL SPACE PLAN

SCALE 1/4" =1'-0"

JAN 10 1997

USING AGENCY	REV..	DATE	100% SUBMISSION DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF					
SAFETY					
CORROSION ENGINEER					

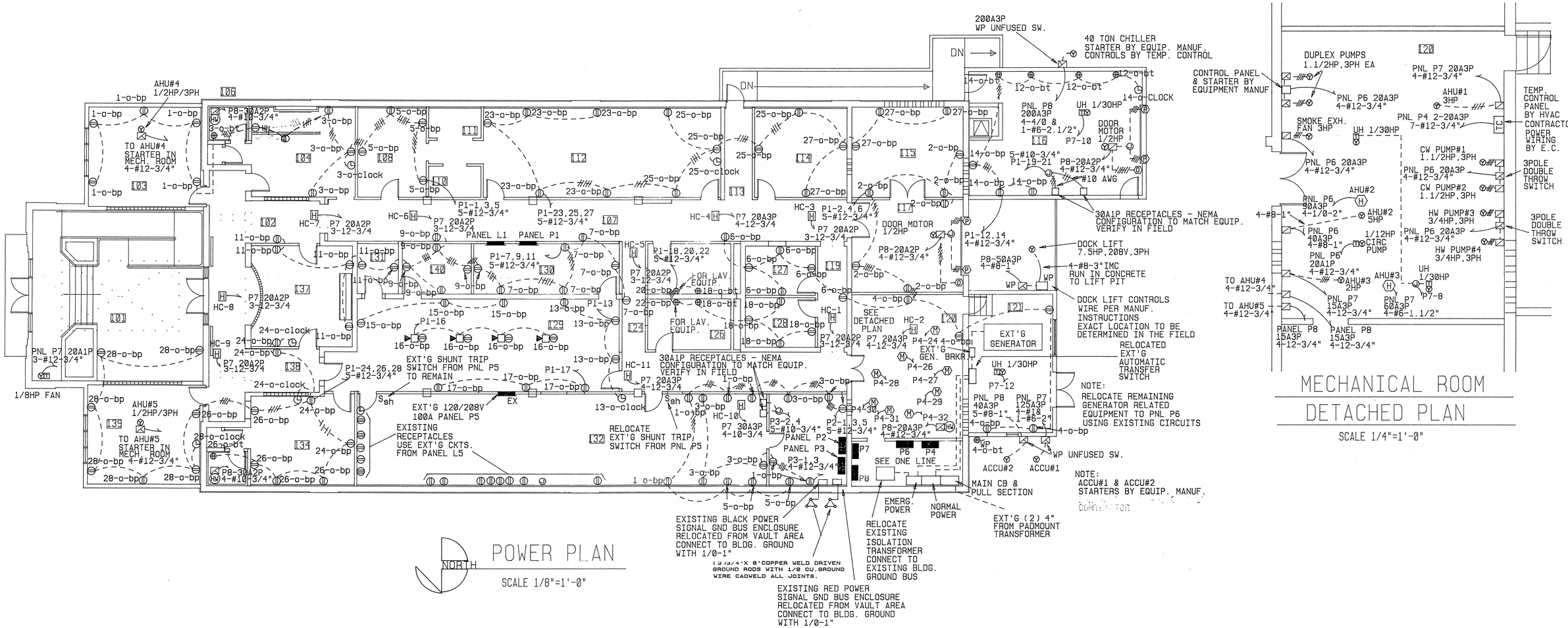
AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE. MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510 PLUMBING FLOOR PLAN

	SUBMITTED	RECOMMENDED	APPROVED
PROJECT ENGINEER	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED WAT / DRAWN WAT / DATE 1-10-97	SCALE 1/8" = 1'-0" / PROJECT NUMBER YTPM 94-0084	DRAWING NUMBER P-1 WST 4140 / SHEET 18 OF 29



POWER PLAN

SCALE 1/8"=1'-0"

MECHANICAL ROOM DETACHED PLAN

SCALE 1/4"=1'-0"

NOTES:

#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE,LOCAL RULES, AND REGULATIONS.

#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

#3 RE-USE EXISTING CONDUIT IF POSSIBLE.

#4 ALL EQUIPMENT SHOWN IS NEW UNLESS INDICATED BY "EX"

#5 PROVIDE BOX EXTENSIONS TO MAKE DEVICES FLUSH WITH NEW WALL SURFACE.

#6 PROVIDE GREEN EQUIPMENT GROUND FOR ALL CIRCUITS

#7 PANEL P3 SHALL BE LABELED "BLACK POWER" AND CONDUITS TO AND FROM PNL P3 SHALL BE COLOR CODED BLACK. PANEL TO BE SEPARATELY GROUNDED AND BONDED TO THE SYSTEM GROUND.

#8 PANEL P2 SHALL BE LABELED "RED POWER" AND CONDUITS TO AND FROM PNL P2 SHALL BE COLOR CODED RED. PANEL TO BE SEPARATELY GROUNDED AND BONDED TO THE SYSTEM GROUND.

#9 EXACT LOCATIONS OF EQUIPMENT SHALL BE DETERMINED IN THE FIELD.

DRAWINGS ARE DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT, THE MAIN COMPONENTS OF THE SYSTEMS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS. BASED ON THE SYSTEM CONCEPT, THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.

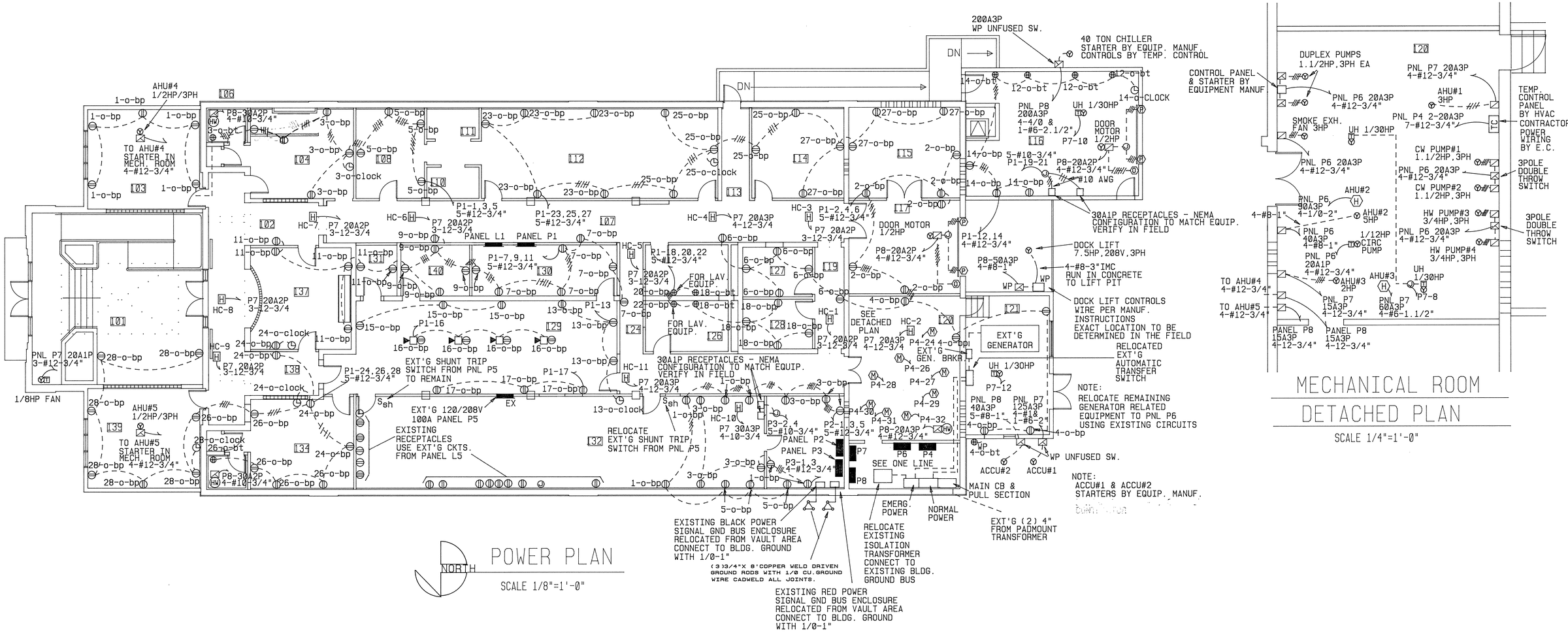
WILLIAM D. LIZOTTE ELECTRICAL NO. 29477 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF					
SAFETY					
CORROSION ENGINEER					

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
POWER PLAN

PROJECT ENGINEER	SUBMITTED CHIEF ENGINEER	RECOMMENDED BASE ENGINEER	APPROVED INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED WDL / DRAWN WDL / DATE 10 JAN 1997	SCALE 1/8" = 1'-0" / PROJECT NUMBER YTPM 94-0084	DRAWING NUMBER WST4140 E - 1 / SHEET 25 OF 29



POWER PLAN

SCALE 1/8"=1'-0"

MECHANICAL ROOM DETACHED PLAN

SCALE 1/4"=1'-0"

NOTES:

#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE,LOCAL RULES, AND REGULATIONS.

#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

#3 RE-USE EXISTING CONDUIT IF POSSIBLE.

#4 ALL EQUIPMENT SHOWN IS NEW UNLESS INDICATED BY "EX"

#5 PROVIDE BOX EXTENSIONS TO MAKE DEVICES FLUSH WITH NEW WALL SURFACE.

#6 PROVIDE GREEN EQUIPMENT GROUND FOR ALL CIRCUITS

#7 PANEL P3 SHALL BE LABELED "BLACK POWER" AND CONDUITS TO AND FROM PNL P3 SHALL BE COLOR CODED BLACK. PANEL TO BE SEPARATELY GROUNDED AND BONDED TO THE SYSTEM GROUND.

#8 PANEL P2 SHALL BE LABELED "RED POWER" AND CONDUITS TO AND FROM PNL P2 SHALL BE COLOR CODED RED. PANEL TO BE SEPARATELY GROUNDED AND BONDED TO THE SYSTEM GROUND.

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WILLIAM D. LIZOTTE ELECTRICAL No. 17177 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

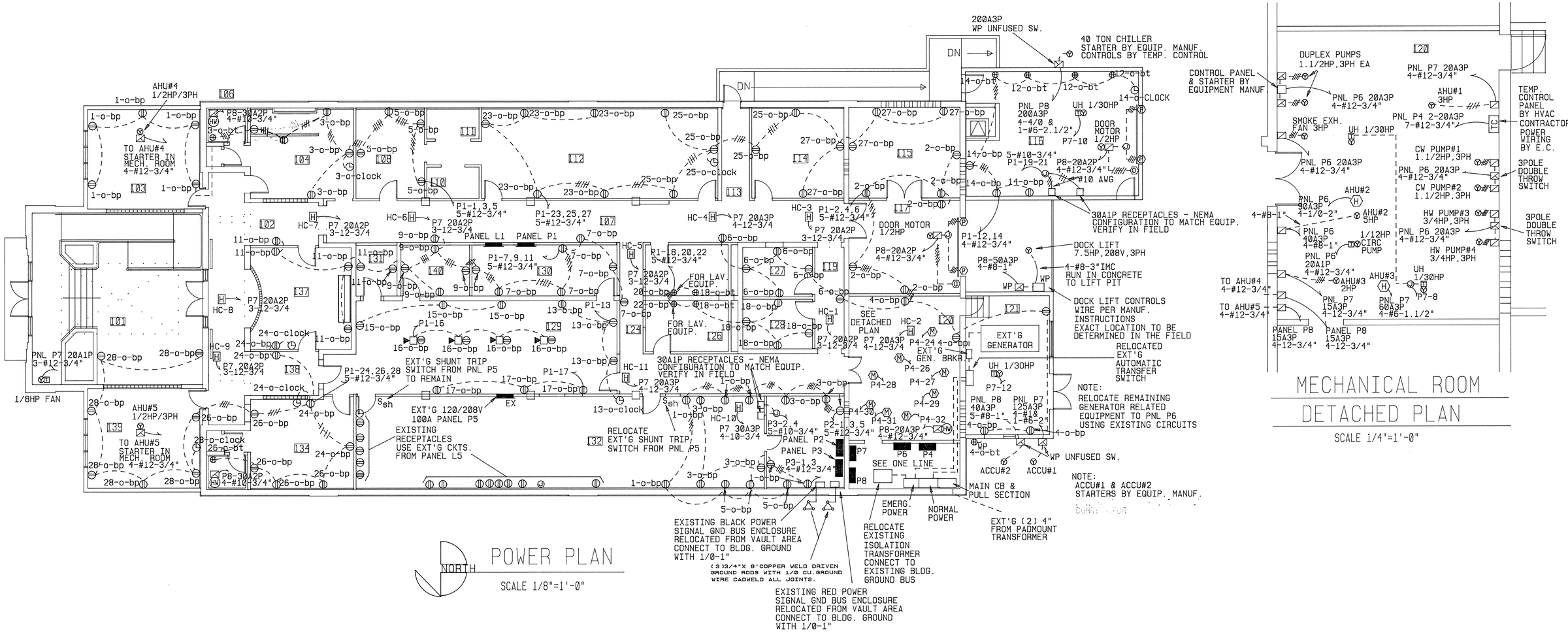
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
POWER PLAN

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
WDL	1/8" = 1'-0"	WST4140 E - 1

DRAWN	DATE	PROJECT NUMBER	SHEET
WDL	10 JAN 1997	YTPM 94-0084	25 OF 29



POWER PLAN

SCALE 1/8"=1'-0"

MECHANICAL ROOM DETACHED PLAN

SCALE 1/4"=1'-0"

NOTES:

#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE,LOCAL RULES, AND REGULATIONS.

#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

#3 RE-USE EXISTING CONDUIT IF POSSIBLE.

#4 ALL EQUIPMENT SHOWN IS NEW UNLESS INDICATED BY "EX"

#5 PROVIDE BOX EXTENSIONS TO MAKE DEVICES FLUSH WITH NEW WALL SURFACE.

#6 PROVIDE GREEN EQUIPMENT GROUND FOR ALL CIRCUITS

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WILLIAM D. LIZOTTE ELECTRICAL No. 17177 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
POWER PLAN

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
WDL	1/8" = 1'-0"	WST4140 E - 1

DRAWN	DATE	PROJECT NUMBER	SHEET
WDL	10 JAN 1997	YTPM 94-0084	25 OF 29

NOTE ON CORRIDOR VINYL TILE PATTERNS:
TILE BORDER 4a TO BE 12" AROUND PERIMETER OF CORRIDOR AND ALSO AS SHOWN SCHEMATICALLY ON PLAN. FIELD TO BE 4b. ADJUST FLOOR TILE AS REQUIRED IN FIELD. SEE ROOM FINISH SCHEDULE SHEET A-9.

See Detail 3 at Dwg. A-9 for Shelving in 111 & 110

Paint new telephone access cover to match floor

Paint new access cover to match floor

existing pipe pit

existing steam pipe pit & trench

HAND TRENCHING REQUIRED AROUND UTILITIES

Stair #3: 6 Risers at 6.66" +- (Confirm site grades) 5 Treads at 11". See detail 5/A-7.

Install angle corner blocks typ.

AREA OF CRAWL SPACE BELOW

SERVICE WINDOW

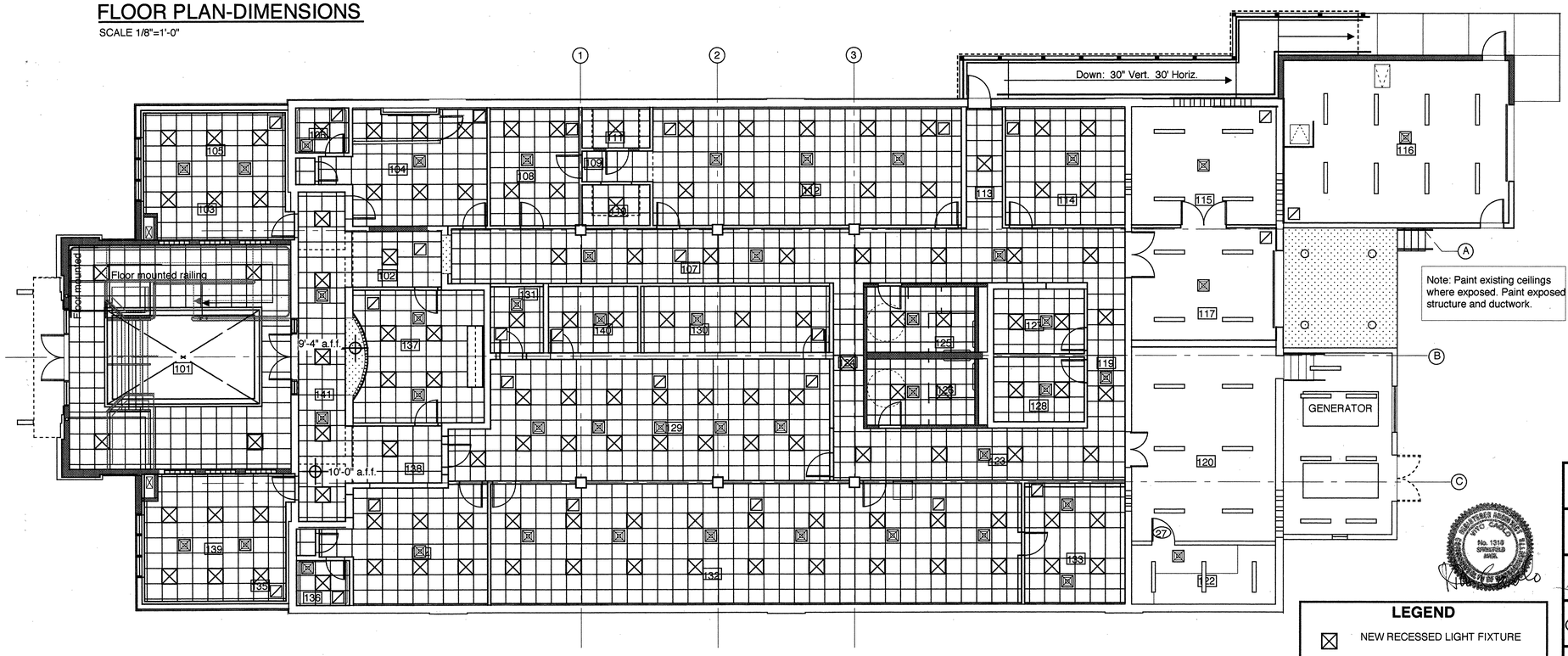
EXISTING PAD & GENERATOR

EXISTING PAD

38'-6" (EXISTING V.I.F.) | 18'-0" (EXISTING) | 18'-0" (EXISTING) | 56'-6" (EXISTING V.I.F.) | 14'-10 1/2" (EXISTING V.I.F.)

FLOOR PLAN-DIMENSIONS

SCALE 1/8"=1'-0"



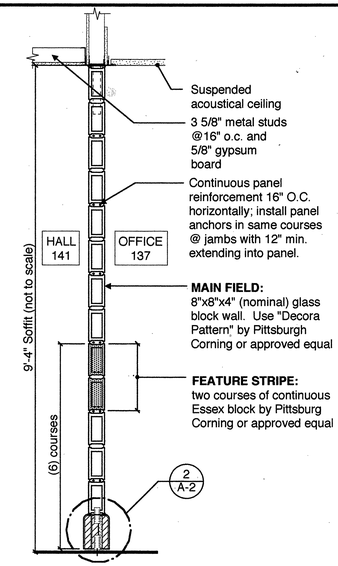
NORTH

FLOOR PLAN (REFLECTED CEILING)

SCALE 1/8"=1'-0"

LEGEND

- NEW RECESSED LIGHT FIXTURE
- H.V.A.C. SUPPLY GRILLE
- H.V.A.C. RETURN GRILLE



GLASS BLOCK WINDOW SECTION 1

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

GLASS BLOCK WINDOW SILL 2

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

FLOOR ACCESS COVER 3

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

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY | FIRE CHIEF | SAFETY | CORROSION ENGINEER | PROJECT ENGINEER | BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

REFLECTED CEILING PLAN

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
KRJ	1/8" = 1'-0"	A - 2

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV 1996	YTPM 94-0084	6 OF 29

NOTE ON CORRIDOR VINYL TILE PATTERNS:
TILE BORDER 4a TO BE 12" AROUND PERIMETER OF CORRIDOR AND ALSO AS SHOWN SCHEMATICALLY ON PLAN. FIELD TO BE 4b. ADJUST FLOOR TILE AS REQUIRED IN FIELD. SEE ROOM FINISH SCHEDULE SHEET A-9.

See Detail 3 at Dwg. A-9 for Shelving in 111 & 110

Install angle corner blocks typ.

AREA OF CRAWL SPACE BELOW

SERVICE WINDOW

Ramp Down

Elev. 44.83'

Elev. 44.00'

Paint new telephone access cover to match floor

Paint new access cover to match floor

existing pipe pit

existing steam pipe pit & trench

HAND TRENCHING REQUIRED AROUND UTILITIES

Elev. 47.33'

Stair #3: 6 Risers at 6.66" +/- (Confirm site grades) 5 Treads at 11". See detail 5/A-7.

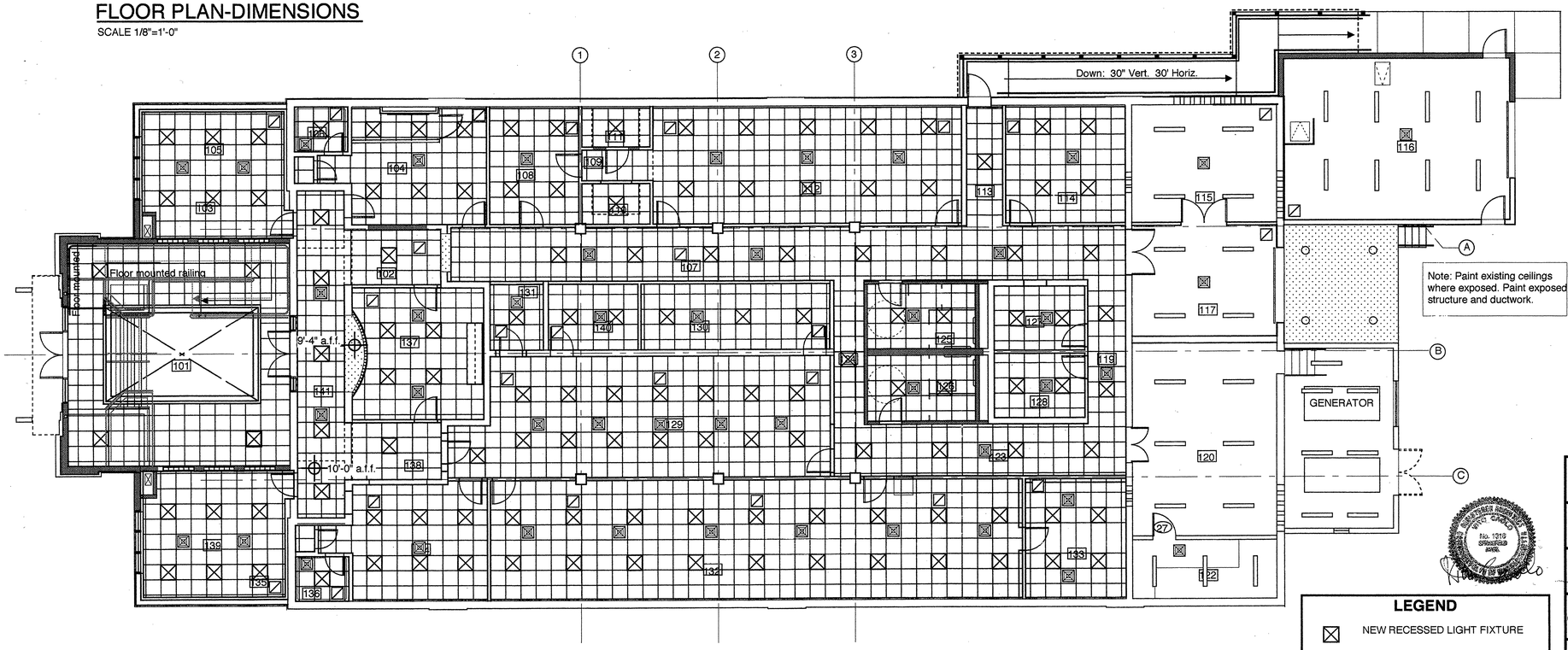
EXISTING PAD & GENERATOR

EXISTING PAD

38'-6" (EXISTING V.I.F.) | 18'-0" (EXISTING) | 18'-0" (EXISTING) | 56'-6" (EXISTING V.I.F.) | 14'-10 1/2" (EXISTING V.I.F.)

FLOOR PLAN-DIMENSIONS

SCALE 1/8"=1'-0"



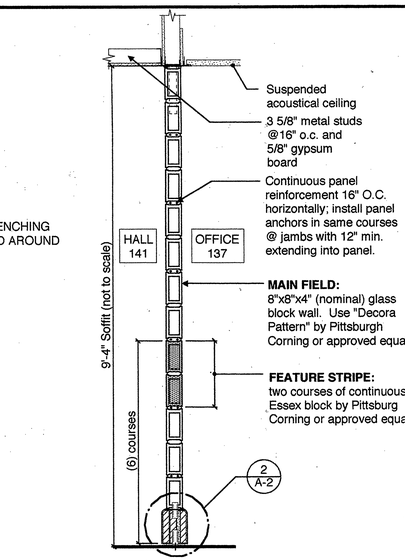
Note: Paint existing ceilings where exposed. Paint exposed structure and ductwork.

FLOOR PLAN (REFLECTED CEILING)

SCALE 1/8"=1'-0"

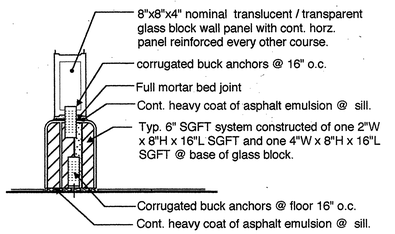
LEGEND

- NEW RECESSED LIGHT FIXTURE
- H.V.A.C. SUPPLY GRILLE
- H.V.A.C. RETURN GRILLE



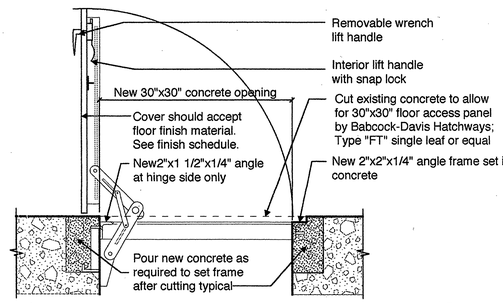
GLASS BLOCK WINDOW SECTION 1

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



GLASS BLOCK WINDOW SILL 2

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



FLOOR ACCESS COVER 3

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

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY | FIRE CHIEF | SAFETY | CORROSION ENGINEER | PROJECT ENGINEER | BIO-ENV. ENGINEER

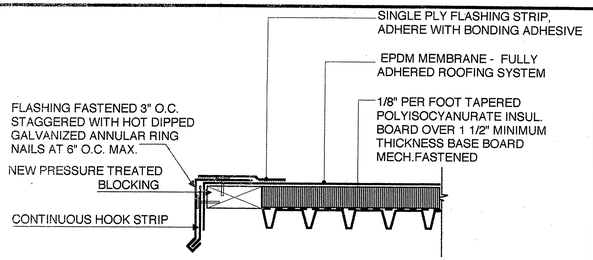
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
REFLECTED CEILING PLAN

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

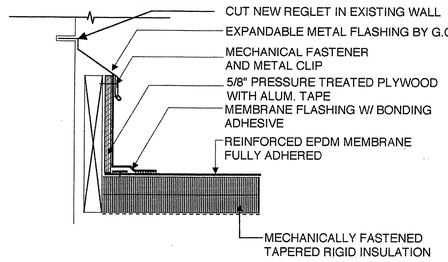
DESIGNED	SCALE	DRAWING NUMBER
KRJ	1/8" = 1'-0"	A - 2

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV 1996	YTPM 94-0084	6 OF 29



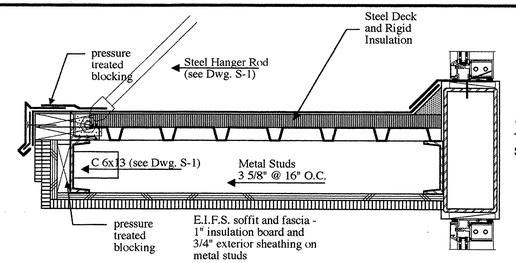
TYP. EDGE FLASHING DTL. 1

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



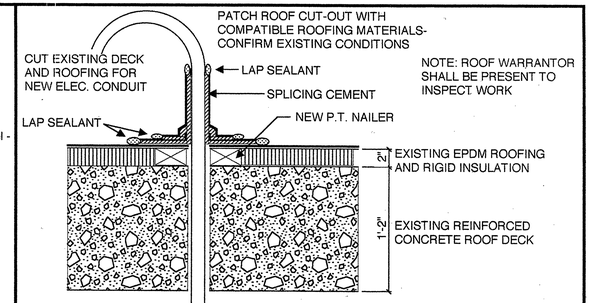
ROOF TO EXISTING WALL DETAIL 2

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



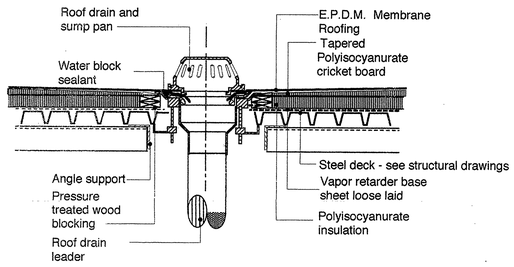
CANOPY AT MAIN ENTRY 3

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



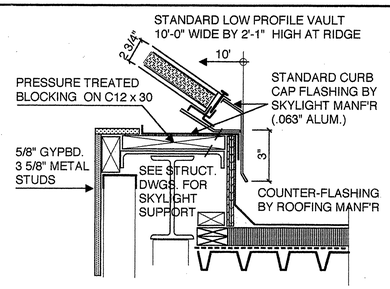
ROOF PENETRATION 7

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



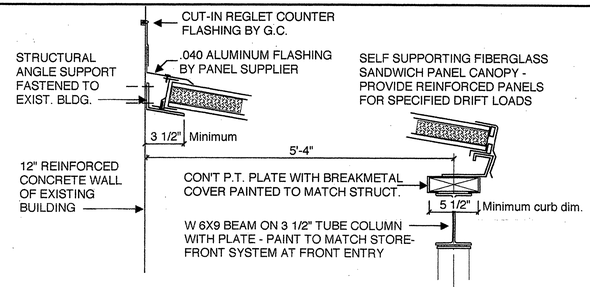
TYP. ROOF DRAIN DETAIL 4

scale : 1 " = 1'-0"



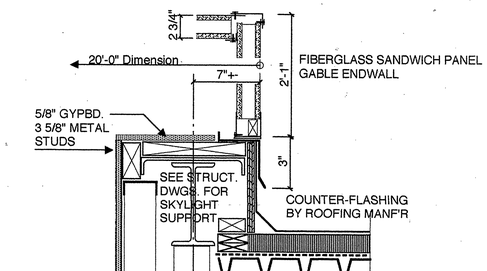
SKYLIGHT CURB DETAIL 5

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



CANOPY AT RAMP 6

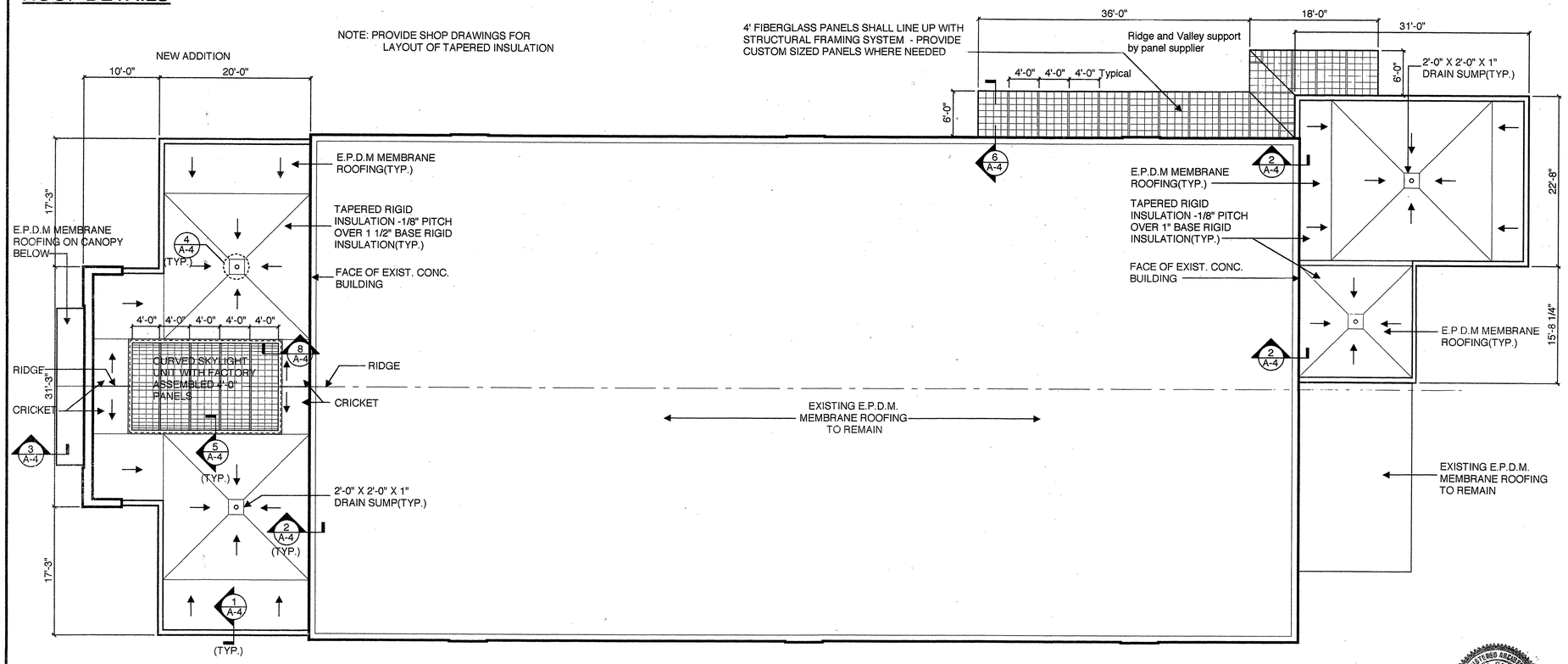
scale : 1 1/2" = 1'-0"



SKYLIGHT ENDWALL 8

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

ROOF DETAILS



REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

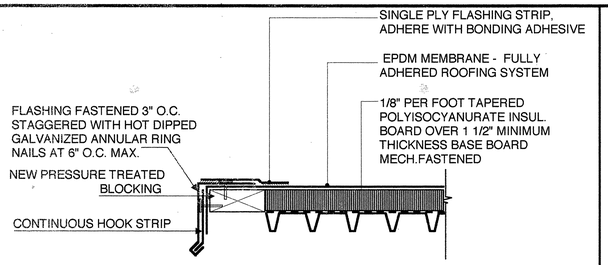
ROOF PLAN AND DETAILS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
KRJ	AS NOTED	WST 4140 A - 4

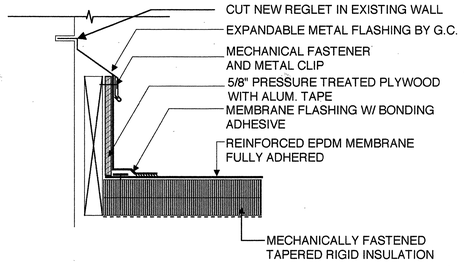
DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV. 1996	YTPM 94-0084	8 OF 29

REGISTERED ARCHITECT — No. 1316 — SPRINGFIELD — MASS.



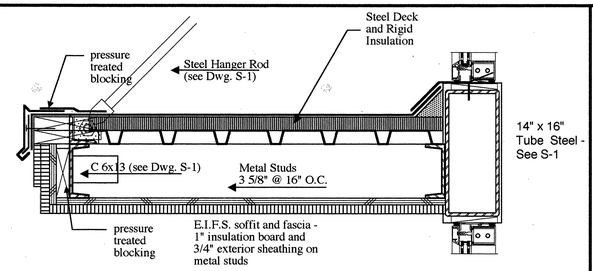
TYP. EDGE FLASHING DTL. 1

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



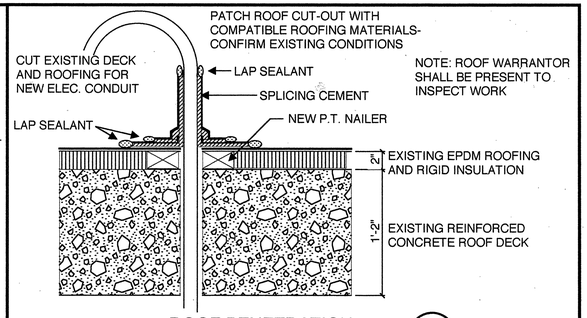
ROOF TO EXISTING WALL DETAIL 2

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



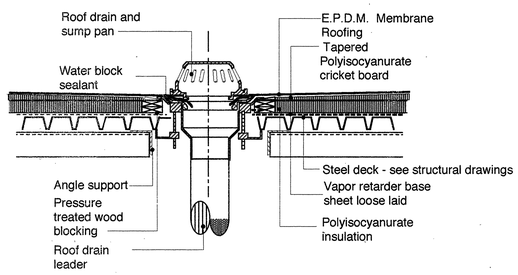
CANOPY AT MAIN ENTRY 3

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



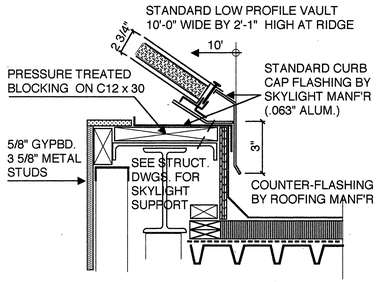
ROOF PENETRATION 7

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



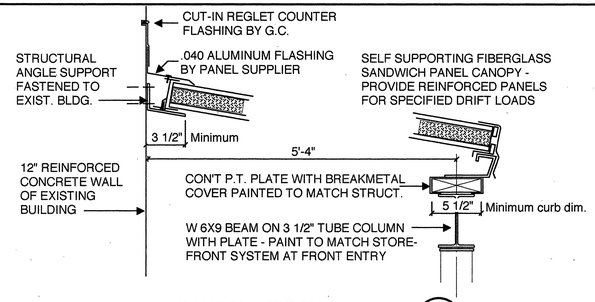
TYP. ROOF DRAIN DETAIL 4

scale: 1" = 1'-0"



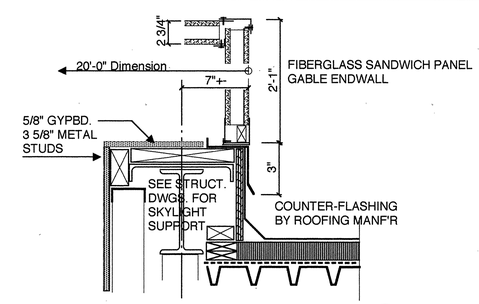
SKYLIGHT CURB DETAIL 5

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



CANOPY AT RAMP 6

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



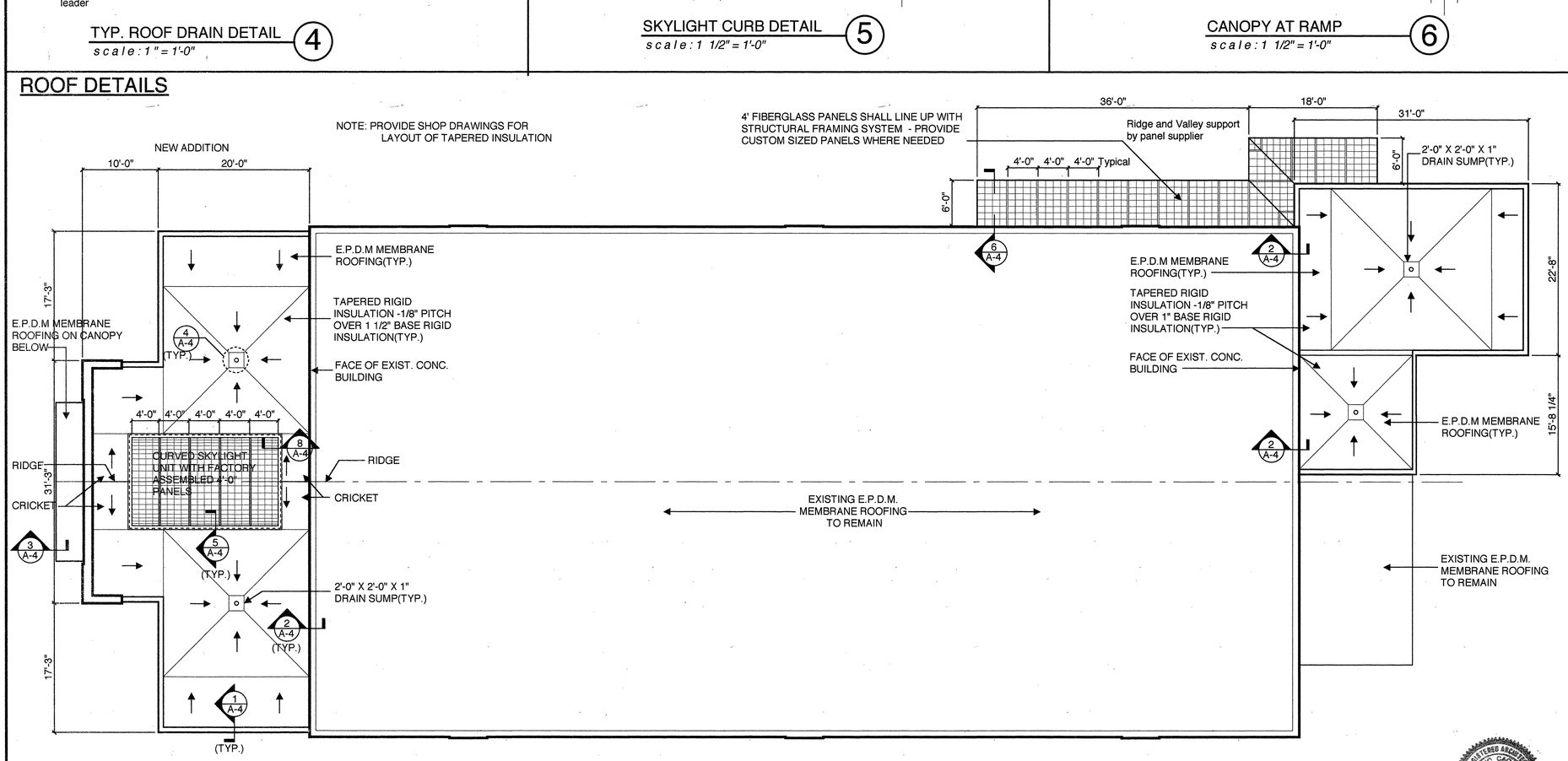
SKYLIGHT ENDWALL 8

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

ROOF DETAILS

NOTE: PROVIDE SHOP DRAWINGS FOR LAYOUT OF TAPERED INSULATION

4' FIBERGLASS PANELS SHALL LINE UP WITH STRUCTURAL FRAMING SYSTEM - PROVIDE CUSTOM SIZED PANELS WHERE NEEDED



REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

ROOF PLAN AND DETAILS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
KRJ	AS NOTED	WST 4140 A - 4

DRAWN	DATE	PROJECT NUMBER	SHEET
KRJ	05 NOV. 1996	YTPM 94-0084	8 OF 29

REGISTERED ARCHITECT No. 1316 SPRINGFIELD, MASS.

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	BASE MAT.	BASE FIN.	BASE SYMB.# □	FLOOR MAT.	FLOOR FIN.	FLOOR SYMB.# ○	WALLS NORTH MAT.	WALLS NORTH FIN.	WALLS EAST MAT.	WALLS EAST FIN.	WALLS SOUTH MAT.	WALLS SOUTH FIN.	WALLS WEST MAT.	WALLS WEST FIN.	WALLS SYMB.# △	CEILINGS MAT.	CEILINGS FIN.	CEILINGS HT.	REMARKS
101	LOBBY	VINYL	—	1	CONC.	RUBBER	1 2 8	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	—	5 PLANTER AND GPBD SOFFIT AT SKYLIGHT
102	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C.	5	S.A.T.	—	—	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
103	COMM. COMMANDER	VINYL	—	2	CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
104	ADMINISTRATIVE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
105	CLOSET	VINYL	—	2	EXIST. CONC.	CARPET	5	EXIST. C.T.	PAINT	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	5	S.A.T.	—	9'-6"	
106	LAVATORY	EXIST. C.T.	—	EXIST. C.T.	EXIST. CONC.	C.T.	9b	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	4 ABOVE EXIST. C.T.	S.A.T.	—	9'-6"	NEW CLG., CLEAN EXIST. C.T. 5 PAINT EXPOSED PLUMBING & DUCTS PATCH REMOVAL OF FIXTURES
107	HALL	VINYL	—	2	EXIST. CONC.	VINYL	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ---- FOR FLOOR PATTERN
108	AIR RESERVE TECH.	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
109	VESTIBULE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
110	COATS	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
111	STORAGE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
112	CONFERENCE / TRAINING / ALTERNATE COMMAND POST	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 DOORS & FRAMES
113	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
114	COMMUNICATIONS UNIT ADMINISTATIVE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B. EXIST.	V.W.C.	G.W.B. EXIST.	V.W.C	G.W.B. EXIST.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
115	ELECTRONIC EQUIP. STO	—	PAINT	5	CONC.	PAINT	7	CONC.	PAINT	CONC.	PAINT	CONC.	PAINT	C.M.U.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
116	MOBILITY EQUIP. STO.	—	PAINT	5	CONC.	PAINT	7	EXIST. CONC.	PAINT	C.M.U.	PAINT	C.M.U.	PAINT	C.M.U.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
117	PAPER GOODS STORAGE	—	PAINT	5	CONC.	PAINT	7	EXIST. CONC.	PAINT	C.M.U.	PAINT	EXIST. CONC.	PAINT	C.M.U.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
118	LOADING DOCK	—	—		CONC.	SEALER		EXIST. CONC.	—	C.M.U.	PAINT	—	—	EXIST. C.M.U.	—		—	PAINT	—	
119	HALL	VINYL	—	2	EXIST. CONC.	VINYL	4a 4b	G.W.B.	V.W.C.	EXIST. CONC.	V.W.C	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
120	MECHANICAL	—	PAINT	5	EXIST. CONC.	PAINT	7	EXIST. CONC.	PAINT	C.M.U.	PAINT	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
121	GENERATOR	—	PAINT	5	EXIST. CONC.	PAINT	7	EXIST. CONC.	PAINT	EXIST. C.M.U.	PAINT	EXIST. C.M.U.	PAINT	C.M.U.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
122	ELECTRICAL	—	PAINT	5	EXIST. CONC.	PAINT	7	EXIST. CONC.	PAINT	EXIST. C.M.U.	PAINT	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
123	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
124	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
125	MEN	C.T. COVED	—	3	EXIST. CONC.	C.T.	6a 6b 6c	C.M.U.	C.T.	C.M.U.	C.T.	C.M.U.	C.T.	C.M.U.	C.T.	5 5	S.A.T.	—	9'-6"	C.T. FLOOR FIELD - AMERICAN OLEAN PATTERN #0804 WALL C.T. PATTERN, C.T. FLOOR BORDER - AMERICAN OLEAN PATTERN #1601 SEE DETAIL SEE DETAIL
126	WOMEN	C.T. COVED	—	3	EXIST. CONC.	C.T.	6a 6b 6c	C.M.U.	C.T.	C.M.U.	C.T.	C.M.U.	C.T.	C.M.U.	C.T.	5 5	S.A.T.	—	9'-6"	C.T. FLOOR FIELD - AMERICAN OLEAN PATTERN #0804 WALL C.T. PATTERN, C.T. FLOOR BORDER - AMERICAN OLEAN PATTERN #1601 SEE DETAIL SEE DETAIL
127	FIRST SARGEANT	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
128	OFFICE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
129	DATA ADMINISTRATION	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
130	EQUIPMENT	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 DOORS & FRAMES
131	TAPE STORAGE	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
132	DATA AUTO. / B.C.C.	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ---- FOR FLOOR PATTERN
133	VAULT	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 DOORS & FRAMES
134	TELEPHONE	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 DOORS & FRAMES
135	CLOSET	VINYL	—	1	EXIST. CONC.	CARPET	5	EXIST. C.T.	PAINT	EXIST. CONC.	PAINT	EXIST. C.M.U.	PAINT	EXIST.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
136	LAVATORY	EXIST. C.T.	—	EXIST. C.T.	EXIST. CONC.	C.T.	9b	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.		4 ABOVE EXIST. C.T.	S.A.T.	—	9'-6"	NEW CLG., CLEAN EXIST. C.T. 5 PAINT EXPOSED PLUMBING & DUCTS PATCH REMOVAL OF FIXTURES
137	OFFICE SUPPORT	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
138	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
139	TELE. CIRCUIT / SYSTEMS MAN. and RESOURCE ADVISOR	VINYL	—	2	CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
140	OFFICE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
141	HALL	VINYL		2	EXIST. CONC.	V.S.G.	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN

PAINT EXTERIOR COLUMNS, BEAMS AND RAILINGS TO MATCH STOREFRONT SYSTEM

FLOORING

DES..	NO.	COMMENTS
R.F.T.	1	
V.F.T.	3	
V.F.T.	4a	FIELD SEE TILE PATTERNS
V.F.T.	4b	ACCENT - SEE TILE PATTERNS
CARPET	5	
C.T.	6a	FIELD SEE TILE PATTERNS
C.T.	6b	ACCENT - SEE TILE PATTERNS
C.T.	6c	ACCENT - SEE TILE PATTERNS
PAINT	7	
R.S.A.	8	

WALLS

DES..	NO.	COMMENTS
C.T.	6a	FIELD SEE TILE PATTERNS
C.T.	6b	ACCENT - SEE TILE PATTERNS
A.W.C.	2	
V.W.C.	5	
V.W.C.	4	
PAINT	5	
PAINT	6	ACCENT - USE ONLY WHERE INDICATED

BASE

DES..	NO.	COMMENTS
R.W.B.	1	
R.W.B.	2	
C.T.	3	

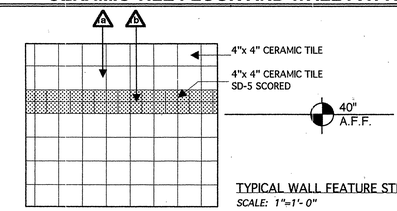
MISCELLANEOUS

TYPE	COMMENTS/LOCATION
LAMINATE	ROOM 137 - COUNTER TOPS
LAMINATE	ROOM 137 - CABINET BASE
TOILET PARTITIONS	ROOMS 125, 126
BRADLEY UNIT	ROOMS 125, 126

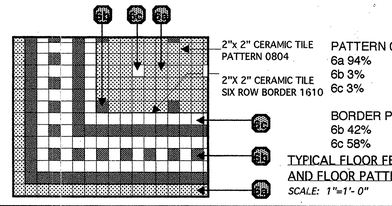
LEGEND

1. A.W.C. = ACOUSTICAL WALL COVERING
2. C.T. = CERAMIC TILE
3. V.C.T. = VINYL COMPOSITION TILE
4. G.W.B. = GYPSUM WALL BOARD
5. C.M.U. = CONCRETE MASONRY UNIT
6. S.A.T. = SUSPENDED ACOUSTICAL TILE
7. V.W.C. = VINYL WALL COVERING
8. V.S.G.= VINYL SHEET GOODS

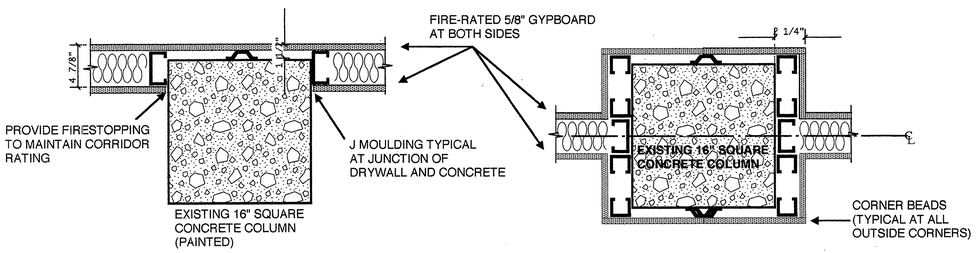
CERAMIC TILE FLOOR AND WALL PATTERNS



TYPICAL WALL FEATURE STRIP DETAIL
SCALE: 1"=1'-0"

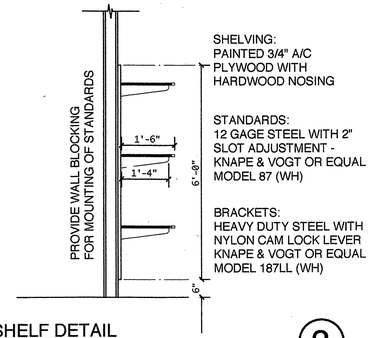


TYPICAL FLOOR FEATURE STRIP AND FLOOR PATTERN DETAIL
SCALE: 1"=1'-0"

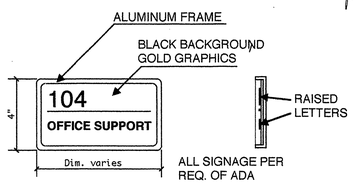


PLAN DETAIL 1
scale: 1 1/2" = 1'-0"

PLAN DETAIL 2
scale: 1 1/2" = 1'-0"



SHELF DETAIL 3
scale: 1/2" = 1'-0"



INTERIOR SIGNAGE 4
scale: 3" = 1'-0"

USING AGENCY			100% SUBMISSION	
FIRE CHIEF	REV..	DATE	DESCRIPTION	DRAWN / APPR'D
SAFETY	AIR FORCE RESERVE			
CORROSION ENGINEER	CIVIL ENGINEERING			
	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022			
	M/R/A COMMUNICATIONS BUILDING 1510			
	ROOM FINISH SCHEDULES AND DETAILS			
PROJECT ENGINEER	SUBMITTED CHIEF ENGINEER	RECOMMENDED BASE ENGINEER	APPROVED /INSTALLATION COMMANDER	
BIO-ENV. ENGINEER	DESIGNED KRJ/NO'B	SCALE AS NOTED	DRAWING NUMBER WST 4140 / A - 9	
	DRAWN NO'B	DATE 05 NOV 96	PROJECT NUMBER YTPM 94-0084	SHEET 13 OF 29

ROOM FINISH SCHEDULE

NO.	NAME	BASE MAT.	BASE FIN.	BASE SYMB.#	FLOOR MAT.	FLOOR FIN.	FLOOR SYMB.#	WALLS NORTH MAT.	WALLS NORTH FIN.	WALLS EAST MAT.	WALLS EAST FIN.	WALLS SOUTH MAT.	WALLS SOUTH FIN.	WALLS WEST MAT.	WALLS WEST FIN.	WALLS SYMB.#	CEILINGS MAT.	CEILINGS FIN.	CEILINGS HT.	REMARKS
101	LOBBY	VINYL	—	1	CONC.	RUBBER	1 2 8	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	—	5 PLANTER AND GPBD SOFFIT AT SKYLIGHT
102	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C.	5	S.A.T.	—	—	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
103	COMM. COMMANDER	VINYL	—	2	CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
104	ADMINISTRATIVE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
105	CLOSET	VINYL	—	2	EXIST. CONC.	CARPET	5	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	5	S.A.T.	—	9'-6"	
106	LAVATORY	EXIST. C.T.	—	EXIST. C.T.	EXIST. CONC.	C.T.	6b	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	4 ABOVE EXIST. C.T.	S.A.T.	—	9'-6"	NEW CLG., CLEAN EXIST. C. 5 PAINT EXPOSED PLUMBING & DUCTS PATCH REMOVAL OF FIXTURES
107	HALL	VINYL	—	2	EXIST. CONC.	VINYL	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ---- FOR FLOOR PATTERN
108	AIR RESERVE TECH.	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
109	VESTIBULE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
110	COATS	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
111	STORAGE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
112	CONFERENCE / TRAINING / ALTERNATE COMMAND POST	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 DOORS & FRAMES
113	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
114	COMMUNICATIONS UNIT ADMINISTATIVE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B. EXIST.	V.W.C.	G.W.B. EXIST.	V.W.C	G.W.B. EXIST.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
115	ELECTRONIC EQUIP. STO	—	PAINT	5	CONC.	PAINT	7	CONC.	PAINT	CONC.	PAINT	CONC.	PAINT	C.M.U.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
116	MOBILITY EQUIP. STO.	—	PAINT	5	CONC.	PAINT	7	EXIST. CONC.	PAINT	C.M.U.	PAINT	C.M.U.	PAINT	C.M.U.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
117	PAPER GOODS STORAGE	—	PAINT	5	CONC.	PAINT	7	EXIST. CONC.	PAINT	C.M.U.	PAINT	EXIST. CONC.	PAINT	C.M.U.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
118	LOADING DOCK	—	—		CONC.	SEALER		EXIST. CONC.	—	C.M.U.	PAINT	—	—	EXIST. C.M.U.	—		—	PAINT	—	
119	HALL	VINYL	—	2	EXIST. CONC.	VINYL	4a 4b	G.W.B.	V.W.C.	EXIST. CONC.	V.W.C	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
120	MECHANICAL	—	PAINT	5	EXIST. CONC.	PAINT	7	EXIST. CONC.	PAINT	C.M.U.	PAINT	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
121	GENERATOR	—	PAINT	5	EXIST. CONC.	PAINT	7	EXIST. CONC.	PAINT	EXIST. C.M.U.	PAINT	EXIST. C.M.U.	PAINT	C.M.U.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
122	ELECTRICAL	—	PAINT	5	EXIST. CONC.	PAINT	7	EXIST. CONC.	PAINT	EXIST. C.M.U.	PAINT	EXIST. C.M.U.	PAINT	EXIST. CONC.	PAINT	5	—	PAINT	—	5 DOORS & FRAMES 5 PAINT DUCTS
123	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
124	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
125	MEN	C.T. COVED	—	3	EXIST. CONC.	C.T.	6a 6b 6c	C.M.U.	C.T.	C.M.U.	C.T.	C.M.U.	C.T.	C.M.U.	C.T.	5 6	S.A.T.	—	9'-6"	C.T. FLOOR FIELD - AMERICAN OLEAN PATTERN #0804 WALL C.T. PATTERN, C.T. FLOOR BORDER - AMERICAN OLEAN PATTERN #1601 SEE DETAIL SEE DETAIL
126	WOMEN	C.T. COVED	—	3	EXIST. CONC.	C.T.	6a 6b 6c	C.M.U.	C.T.	C.M.U.	C.T.	C.M.U.	C.T.	C.M.U.	C.T.	5 6	S.A.T.	—	9'-6"	C.T. FLOOR FIELD - AMERICAN OLEAN PATTERN #0804 WALL C.T. PATTERN, C.T. FLOOR BORDER - AMERICAN OLEAN PATTERN #1601 SEE DETAIL SEE DETAIL
127	FIRST SARGEANT	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
128	OFFICE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
129	DATA ADMINISTRATION	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
130	EQUIPMENT	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 DOORS & FRAMES
131	TAPE STORAGE	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
132	DATA AUTO. / B.C.C.	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ---- FOR FLOOR PATTERN
133	VAULT	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 DOORS & FRAMES
134	TELEPHONE	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	G.W.B.	A.W.C.	2	S.A.T.	—	9'-6"	5 DOORS & FRAMES
135	CLOSET	VINYL	—	1	EXIST. CONC.	CARPET	5	EXIST. CONC.	PAINT	EXIST. CONC.	PAINT	EXIST. C.M.U.	PAINT	EXIST.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
136	LAVATORY	EXIST. C.T.	—	EXIST. C.T.	EXIST. CONC.	C.T.	6b	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.	VWC ABOVE EXIST. C.T.	EXIST. C.T.		4 ABOVE EXIST. C.T.	S.A.T.	—	9'-6"	NEW CLG., CLEAN EXIST. C. 5 PAINT EXPOSED PLUMBING & DUCTS PATCH REMOVAL OF FIXTURES
137	OFFICE SUPPORT	VINYL	—	1	EXIST. CONC.	V. TILE	3	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	G.W.B.	PAINT	5	S.A.T.	—	9'-6"	5 DOORS & FRAMES
138	HALL	VINYL	—	2	EXIST. CONC.	V.S.G.	4a 4b	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C	EXIST. CONC.	V.W.C.	EXIST. CONC.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN
139	TELE. CIRCUIT / SYSTEMS MAN. and RESOURCE ADVISOR	VINYL	—	2	CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
140	OFFICE	VINYL	—	2	EXIST. CONC.	CARPET	5	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	4	S.A.T.	—	9'-6"	5 DOORS & FRAMES
141	HALL	VINYL		2	EXIST. CONC.	V.S.G.	4a 4b	G.W.B.	V.W.C.	G.W.B.	V.W.C	G.W.B.	V.W.C.	G.W.B.	V.W.C.	5	S.A.T.	—	9'-6"	5 COLUMNS, DOORS & FRAMES SEE SHT. ----- FOR FLOOR PATTERN

PAINT EXTERIOR COLUMNS, BEAMS AND RAILINGS TO MATCH STOREFRONT SYSTEM

FLOORING

DES..	NO.	COMMENTS
R.F.T.	1	
V.F.T.	3	
V.F.T.	4a	FIELD SEE TILE PATTERNS
V.F.T.	4b	ACCENT - SEE TILE PATTERNS
CARPET	5	
C.T.	6a	FIELD SEE TILE PATTERNS
C.T.	6b	ACCENT - SEE TILE PATTERNS
C.T.	6c	ACCENT - SEE TILE PATTERNS
PAINT	7	
R.S.A.	8	

WALLS

DES..	NO.	COMMENTS
C.T.	6a	FIELD SEE TILE PATTERNS
C.T.	6b	ACCENT - SEE TILE PATTERNS
A.W.C.	2	
V.W.C.	3	
V.W.C.	4	
PAINT	5	
PAINT	5a	ACCENT - USE ONLY WHERE INDICATED

BASE

DES..	NO.	COMMENTS
R.W.B.	1	
R.W.B.	2	
C.T.	3	

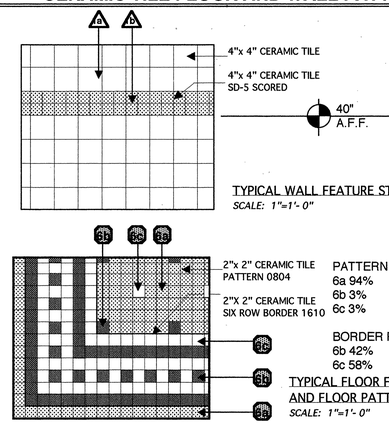
MISCELLANEOUS

TYPE	COMMENTS/LOCATION
LAMINATE	ROOM 137 - COUNTER TOPS
LAMINATE	ROOM 137 - CABINET BASE
TOILET PARTITIONS	ROOMS 125, 126
BRADLEY UNIT	ROOMS 125, 126

LEGEND

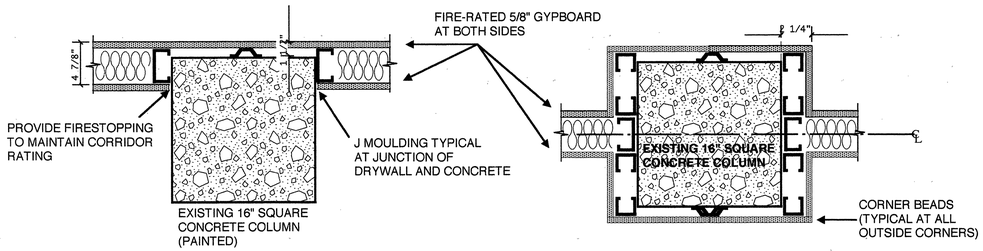
1. A.W.C. = ACOUSTICAL WALL COVERING
2. C.T. = CERAMIC TILE
3. V.C.T. = VINYL COMPOSITION TILE
4. G.W.B. = GYPSUM WALL BOARD
5. C.M.U. = CONCRETE MASONRY UNIT
6. S.A.T. = SUSPENDED ACOUSTICAL TILE
7. V.W.C. = VINYL WALL COVERING
8. V.S.G.= VINYL SHEET GOODS

CERAMIC TILE FLOOR AND WALL PATTERNS



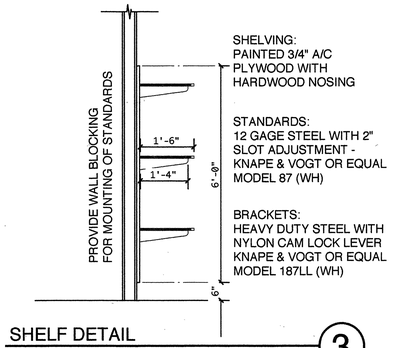
TYPICAL WALL FEATURE STRIP DETAIL
SCALE: 1"=1'-0"

TYPICAL FLOOR FEATURE STRIP AND FLOOR PATTERN DETAIL
SCALE: 1"=1'-0"

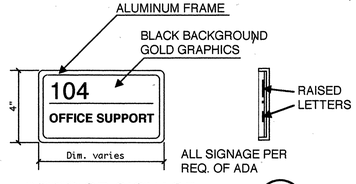


PLAN DETAIL 1
scale: 1 1/2" = 1'-0"

PLAN DETAIL 2
scale: 1 1/2" = 1'-0"



SHELF DETAIL 3
scale: 1/2" = 1'-0"



INTERIOR SIGNAGE 4
scale: 3" = 1'-0"

REV..	DATE	DESCRIPTION	DRAWN	APPR'D
		100% SUBMISSION		

USING AGENCY | FIRE CHIEF | SAFETY | CORROSION ENGINEER | PROJECT ENGINEER | BIO-ENV. ENGINEER

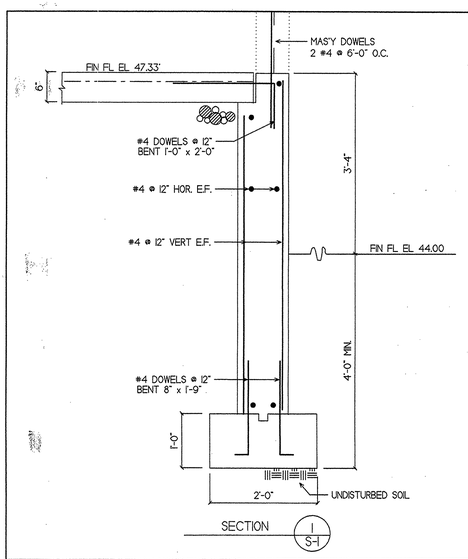
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
ROOM FINISH SCHEDULES AND DETAILS

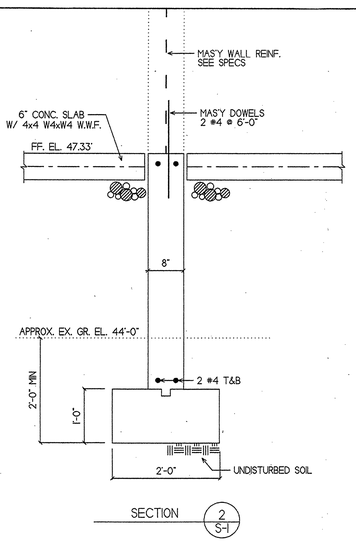
SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
KRJ/NO'B	AS NOTED	WST 4140 / A - 9

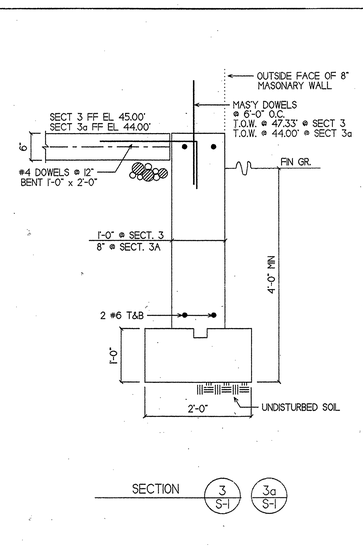
DRAWN	DATE	PROJECT NUMBER	SHEET
NO'B	05 NOV 96	YTPM 94-0084	13 OF 29



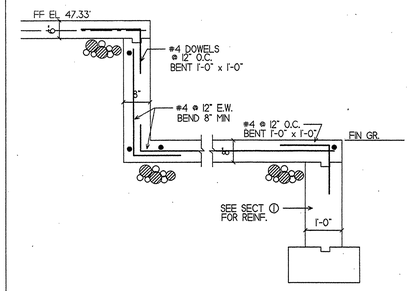
SECTION 1 S-1



SECTION 2 S-1



SECTION 3 S-1 / 3a S-1



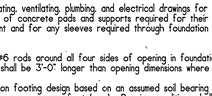
SECTION 10 S-1
SCALE 1/2" = 1'-0"

GENERAL NOTES

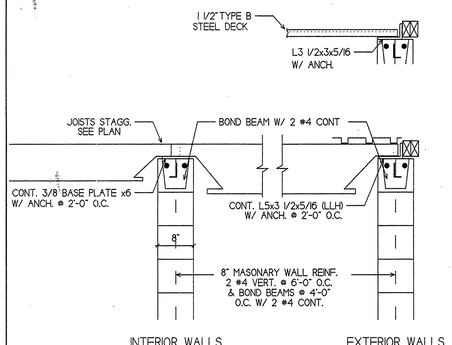
1. All concrete wall and column footings shall be poured on undisturbed soil meeting the requirements of Specification Section 02200.
2. Unless otherwise noted or detailed all foundation walls shall be reinforced w/ 2 #6 rods continous top and bottom doweled at all corners and intersections w/ 2 #6 dowels bent 2'-0" x 2'-0". Where reinforcing differs, all horizontal reinforcing shall recieve corner bars similarly bent and of the same size indicated.
3. Unless otherwise noted or detailed all concrete slabs on grade shall have welded wire fabric (W.W.F. 4 x 4 - W4.0 x W4.0) reinforcing.
4. See heating, ventilating, plumbing, and electrical drawings for size and location of concrete pads and supports required for their respective equipment and for any sleeves required through foundation walls and floors.
5. Add 2 #6 rods around all four sides of opening in foundation walls - Length shall be 3'-0" longer than opening dimensions where possible.
6. Foundation footing design based on an assumed soil bearing pressure of 3000 lbs. per square foot (max.). Bearing conditions shall meet the requirements of GENERAL NOTE No. 1 above.
7. The contractor shall be careful to prevent disturbance to the underlying soil at footing levels. Where footing soil is disturbed, it shall be excavated and replaced by concrete or compacted fill to the depth as directed by the contracting officer.
8. No trucks, bulldozers, or other heavy equipment shall be permitted closer than eight feet from any foundation wall before complete frame is in place.
9. No backfilling against foundation walls shall be undertaken until slab on ground abutting the wall has been completed, and has reached its full design strength. In lieu of the foregoing requirements, the contractor shall install suitable temporary bracing to temperarily support the foundation walls for unbalanced lateral earth pressure.
10. Size of concrete placements, unless otherwise noted:

    a) Walls below and above grade shall be cast in maximum lengths of 25-0", unless joints approved by the Contracting Officer are placed not over 25'-0" on center.

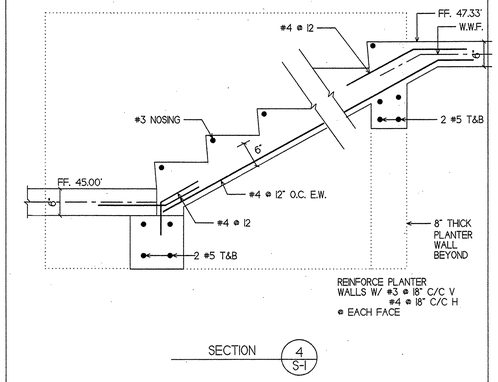
    B) Slab on grade (Allow minimum of 5 days elapsed time between casting dates of adjacent panels) shall be cast in alternate panels not exceeding 1000 S.F.
11. All structural steel shall conform to ASTM A36.
12. All field connections using welding or high strength bolts shall be completely detailed on the particular erection drawing showing the location of the member involved.
13. All bolts to be 3/4" diameter (A325) and in conformance with specifications. All holes to be 13/16" diameter unless otherwise noted.
14. All bolting used in fabrication and erection of structural steel shall be certified as being of domestic manufacture and origin. Certification must accompany firs" submission of structural steel shop drawings.
15. Unless otherwise noted, all structural steel shall be painted with one shop coat of TNEMEC SERIES 10-95 metal primer.
16. All welding to be in accordance with A.W.S codes.
17. Under no condition will it be allowed to hang mechanical equipment including, plumbing, and electrical 2" (two inched) or larger diameter from the bottom chord of joists. Hangers will be allowed at the top chord panel points only.
18. Provide L 2 1/2" x 2 1/2" x 1/4" cont. at all areas where decks change direction or where deck ends at an angle (unless otherwise noted).
19. No material shall be fabricated until shop drawings are approved. Shop drawings shall be same size and clarity as contract drawings and shall be coordinated with other related shop drawings. All shop drawings shall be reviewed and stamped by a professional engineer registered in the Commonwealth of Massachusetts.
20. See architectural drawings for spiking holes required in steel members. Spiking holes shall be indicated on structural steel shop drawings.
21. Lintel schedule:
    - A) Typical for each 4" width of masonary use:
      L 4" x 3 1/2" x 5/16" masonary opening to 4'-0"
      L 5" x 3 1/2" x 5/16" masonary opening to 6'-0"
      L 6" x 3 1/2" x 3/8" masonary opening over 8'-0"
      S8x18.4+5/16 Plate masonary opening over 8'-0" (u.o.n.)
    - B) All loose angle lintels shall bear a minimum of 8" on supporting masonary (each end)
    - C) See architectural and H.& V. drawings for opening locations and sizes.
    - D) All exposed exterior lintels to be hot dipped galvanized.
22. No permission will be granted for any structural drawings to be reproduced for use as shop drawings.



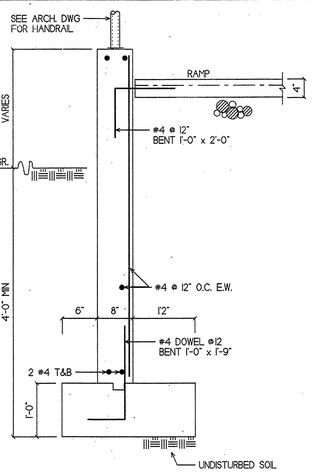
CORNER
3/4" BASE PLATES @ CANOPY COLUMNS
2- STD 3/4" DIA. ANCHOR BOLTS



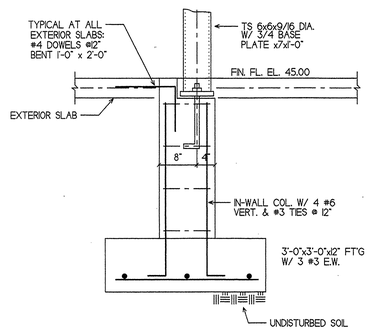
TYPICAL WALL DETAILS



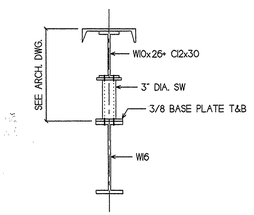
SECTION 4 S-1



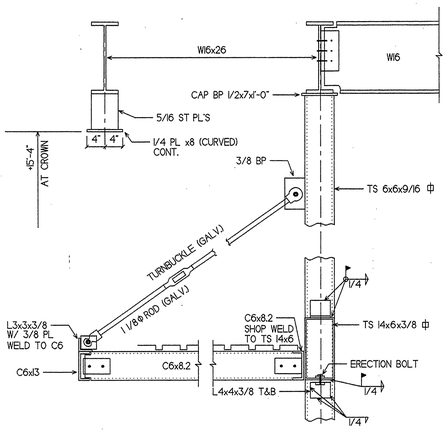
SECTION 5 S-1



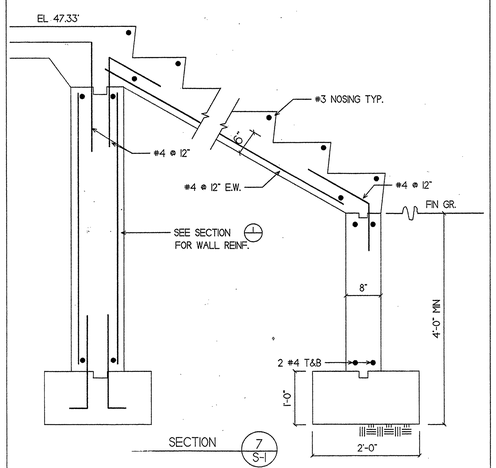
SECTION 9 S-1



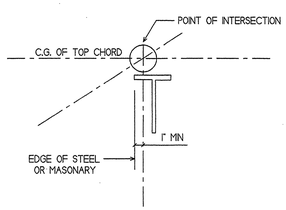
SECTION 6 S-1



SECTION 8 S-1
REFER TO ARCH. DWGS FOR ELEVATIONS & DIMENSIONS



SECTION 7 S-1



TYPICAL STEEL JOIST BEARING DETAIL

NOTE: ALL STEEL JOISTS SHALL CONFORM TO THE 1" MINIMUM AS SHOWN ABOVE UNLESS THE MANU-FACTURER PRESENTS EVIDENCE THAT NO EXCESSIVE LOCAL BENDING STRESSES RESULT FROM VIOLATION OF 1" MINIMUM. IN SUBMITTING SHOP DRAWINGS THE CONTRACTOR SHALL SUPPLY SUFFICIENT INFORMATION THERE ON TO PERMIT DETERMINATION OF THE LOCATION OF THE POINT OF INTERSECTION. ALL STEEL JOISTS SHALL CONFORM TO THE SPECIFICATIONS OF THE STEEL JOISTS INSTITUTE

N / S-1 — SECTION NUMBER / DRAWING SECTION CUT

RAYMOND KALITA — No. 21608 — REGISTERED PROFESSIONAL ENGINEER — COMMONWEALTH OF MASSACHUSETTS

Harvey and Tracy
CONSULTING ENGINEERS
380 UNION ST. W. SFFLD., MASS.

REV.	DATE	DESCRIPTION	DRAWN	APPRD
		100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

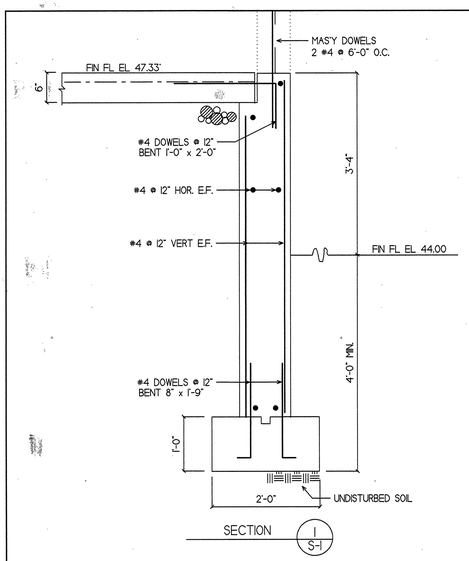
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
SECTIONS & DETAILS

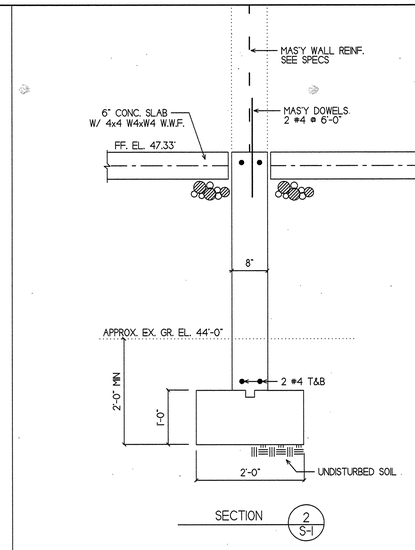
	SUBMITTED	RECOMMENDED	APPROVED
PROJECT ENGINEER	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

BIO-ENV. ENGINEER

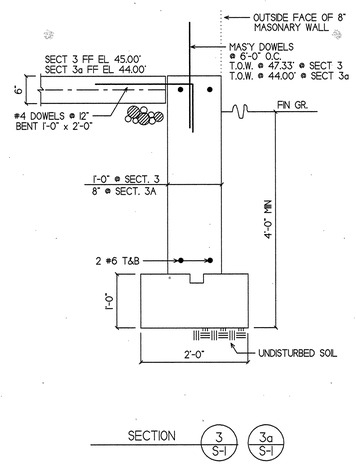
DESIGNED	SCALE	DRAWING NUMBER
R K	3/4" = 1'-0"	WST 4140 S2
DRAWN: R. K — DATE: 1-10-97	PROJECT NUMBER: YTPM 94-0084	SHEET 16 OF 29



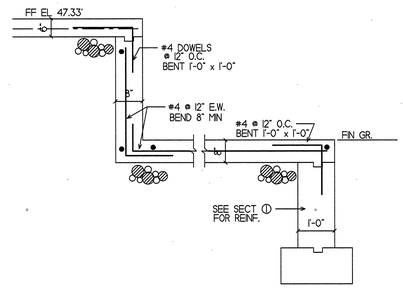
SECTION 1 / S-1



SECTION 2 / S-1



SECTION 3 / 3a S-1



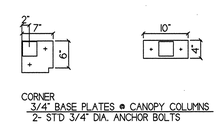
SECTION / SCALE 1/2" = 1'-0" 10 / S-1

GENERAL NOTES

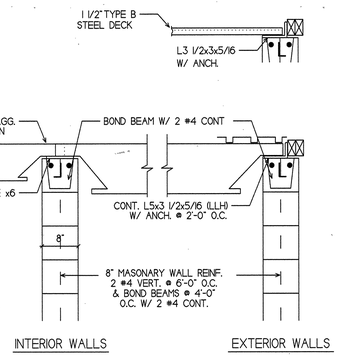
1. All concrete wall and column footings shall be poured on undisturbed soil meeting the requirements of Specification Section 02200.
2. Unless otherwise noted or detailed all foundation walls shall be reinforced w/ 2 #6 rods continous top and bottom doweled at all corners and intersections w/ 2 #6 dowels bent 2'-0" x 2'-0". Where reinforcing differs, all horizontal reinforcing shall recieve corner bars similarly bent and of the same size indicated.
3. Unless otherwise noted or detailed all concrete slabs on grade shall have welded wire fabric (W.W.F. 4 x 4 - W4.0 x W4.0) reinforcing.
4. See heating, ventilating, plumbing, and electrical drawings for size and location of concrete pads and supports required for their respective equipment and for any sleeves required through foundation walls and floors.
5. Add 2 #6 rods around all four sides of opening in foundation walls Length shall be 3'-0" longer than opening dimensions where possible.
6. Foundation footing design based on an assumed soil bearing pressure of 3000 lbs. per square foot (max.). Bearing conditions shall meet the requirements of GENERAL NOTE No. 1 above.
7. The contractor shall be careful to prevent disturbance to the underlying soil at footing levels. Where footing soil is disturbed, it shall be excavated and replaced by concrete or compacted fill to the depth as directed by the contracting officer.
8. No trucks, bulldozers, or other heavy equipment shall be permitted closer than eight feet from any foundation wall before complete frame is in place.
9. No backfilling against foundation walls shall be undertaken until slab on ground abutting the wall has been completed, and has reached its full design strength. In lieu of the foregoing requirements, the contractor shall install suitable temporary bracing to temperarily support the foundation walls for unbalanced lateral earth pressure.
10. Size of concrete placements, unless otherwise noted:

    a) Walls below and above grade shall be cast in maximum lengths of 25'-0", unless joints approved by the Contracting Officer are placed not over 25'-0" on center.

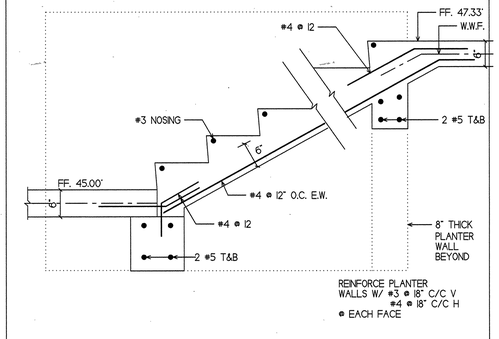
    B) Slab on grade (Allow minimum of 5 days elapsed time between casting dates of adjacent panels) shall be cast in alternate panels not exceeding 1000 S.F.
11. All structural steel shall conform to ASTM A36.
12. All field connections using welding or high strength bolts shall be completely detailed on the particular erection drawing showing the location of the member involved.
13. All bolts to be 3/4" diameter (A325) and in conformance with specifications. All holes to be 13/16" diameter unless otherwise noted.
14. All bolting used in fabrication and erection of structural steel shall be certified as being of domestic manufacture and origin. Certification must accompany first submission of structural steel shop drawings.
15. Unless otherwise noted, all structural steel shall be painted with one shop cost of TNEMEC SERIES 10-95 metal primer.
16. All welding to be in accordance with A.W.S codes.
17. Under no condition will it be allowed to hang mechanicd equipment including plumbing and electrical 2" (two inched) or larger diameter from the bottom chord of joists. Hangers will be allowed at the top chord panel points only.
18. Provide L 2 1/2" x 2 1/2" x 1/4" cont. at all areas where decks change direction or where deck ends at an angle (unless otherwise noted).
19. No material shall be fabricated until shop drawings are approved. Shop drawings shall be same size and clarity as contract drawings and shall be coordinated with other related shop drawings. All shop drawings shall be reviewed and stamped by a professional engineer registered in the Commonwealth of Massachusetts.
20. See architectural drawings for spiking holes required in steel members. Spiking holes shall be indicated on structural steel shop drawings.
21. Lintel schedule:
    A) Typical for each 4" width of masonary use:
       L 4" x 3 1/2" x 5/16" masonary opening to 4'-0"
       L 5" x 3 1/2" x 5/16" masonary opening to 6'-0"
       L 6" x 3 1/2" x 3/8" masonary opening over 8'-0"
       S8x18.4-5/16 Plate masonary opening over 8'-0" (u.o.n.)
    B) All loose angle lintels shall bear a minimum of 8" on supporting masonary (each end)
    C) See architectural and H.& V. drawings for opening locations and sizes.
    D) All exposed exterior lintels to be hot dipped galvanized.
22. No permission will be granted for any structural drawings to be reproduced for use as shop drawings.



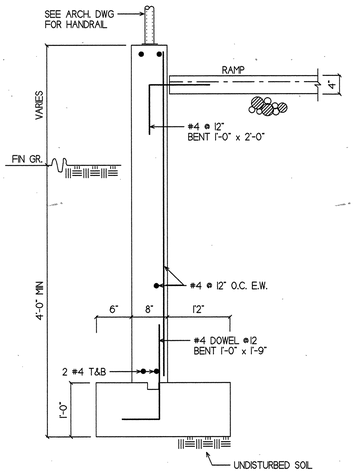
CORNER
3/4" BASE PLATES @ CANOPY COLUMNS
2- ST'D 3/4" DIA. ANCHOR BOLTS



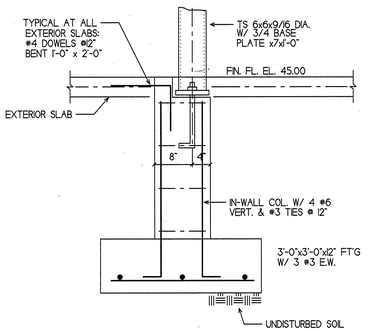
TYPICAL WALL DETAILS



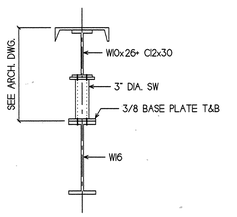
SECTION 4 / S-1



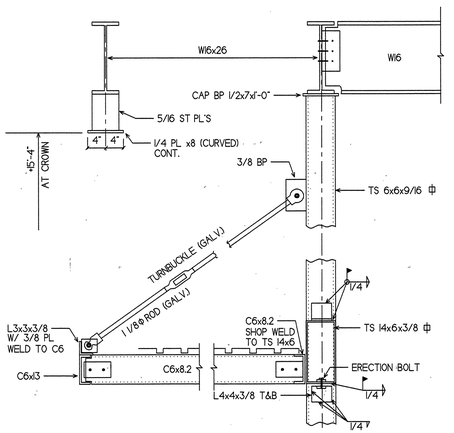
SECTION 5 / S-1



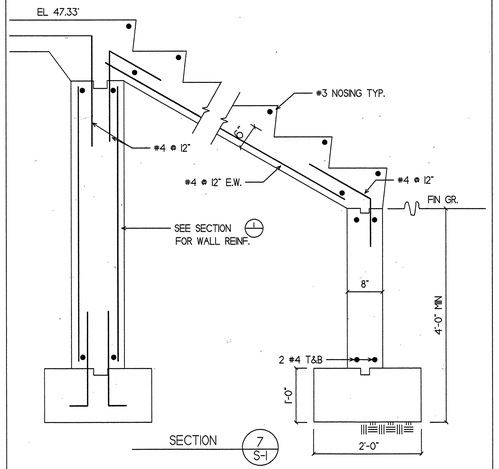
SECTION 9 / S-1



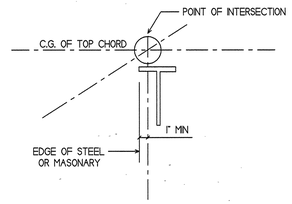
SECTION 6 / S-1



SECTION 8 / S-1
REFER TO ARCH. DWGS FOR ELEVATIONS & DIMENSIONS



SECTION 7 / S-1



TYPICAL STEEL JOIST BEARING DETAIL

NOTE: ALL STEEL JOISTS SHALL CONFORM TO THE 1" MINIMUM AS SHOWN ABOVE UNLESS THE MANUFACTURER PRESENTS EVIDENCE THAT NO EXCESSIVE LOCAL BENDING STRESSES RESULT FROM VIOLATION OF 1" MINIMUM. IN SUBMITTING SHOP DRAWINGS THE CONTRACTOR SHALL SUPPLY SUFFICIENT INFORMATION THERE ON TO PERMIT DETERMINATION OF THE LOCATION OF THE POINT OF INTERSECTION. ALL STEEL JOISTS SMALL CONFORM TO THE SPECIFICATIONS OF THE STEEL JOISTS INSTITUTE

N / S-1 — SECTION NUMBER / DRAWING SECTION CUT

COMMONWEALTH OF MASSACHUSETTS
RAYMOND KALITA
No. 21609
REGISTERED PROFESSIONAL ENGINEER

Harvey and Tracy
CONSULTING ENGINEERS
380 UNION ST. W. SPFLD., MASS.

	REV.	DATE	DESCRIPTION	DRAWN	APPRD
			100% SUBMISSION		

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE. MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

SECTIONS & DETAILS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	SCALE	DRAWING NUMBER
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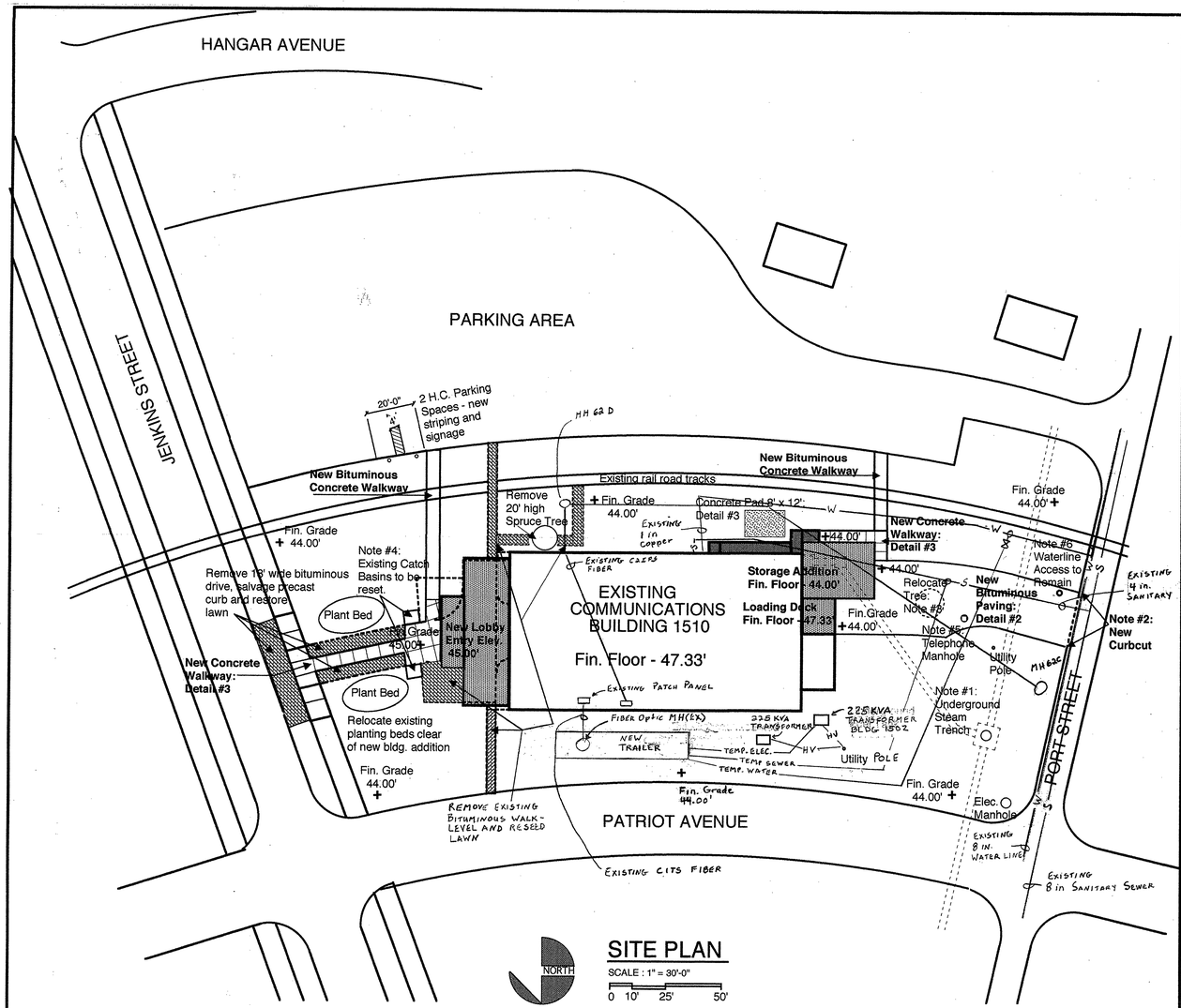
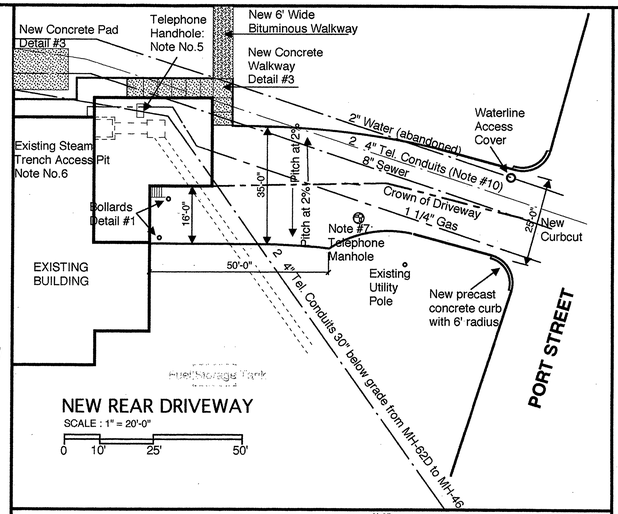
DRAWN: R K — DATE: 1-10-97	PROJECT NUMBER: YTPM 94-0084	SHEET 16 OF 29



SITE PLAN

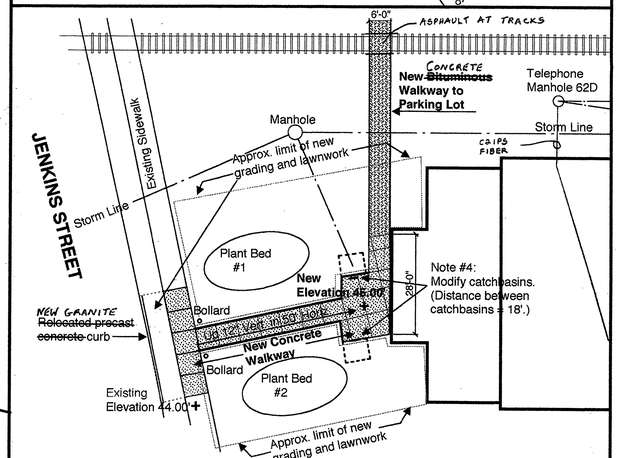
SCALE : 1" = 30'-0"



NEW REAR DRIVEWAY

SCALE : 1" = 20'-0"

0 10' 25' 50'



NEW FRONT WALKWAY

SCALE : 1" = 20'-0"

0 10' 25' 50'

GENERAL NOTES:

EXISTING GRADE ELEVATION ON SITE = 44.00' THROUGHOUT. REGRADE TO MEET NEW ELEVATIONS WITH PITCH NOT TO EXCEED 1 IN 50. CONFIRM ALL ELEVATIONS AND SUBMIT PROPOSED GRADING PLAN TO CONTRACTING OFFICER FOR APPROVAL.

CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THE LOCATION OF EXISTING SITE UTILITIES AND SYSTEMS WITHIN THE WORKAREA. SITE UTILITIES SHOWN ON PLAN ARE EXISTING UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES

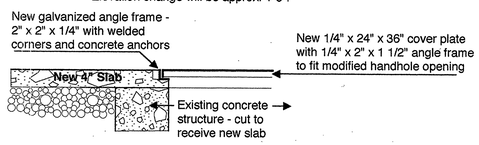
No. 1: Provide reinforced concrete slab over existing utility trench where required by building loads and vehicular circulation paths.

No. 2 : At new bituminous drive off Port St. remove existing curb and provide new radius precast curb to transition from existing road curb to non-curbed driveway. Crown paving at centerline to direct pavement run-off to side lawns.

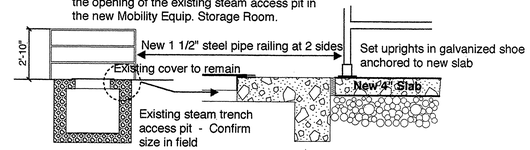
No. 3: One existing planting bed at front entry will be relocated. Planting bed contains one 2" caliper dogwood tree and ten 24" flowering shrubs. Provide two raised beds with bark mulch in new locations shown and guarantee survival of all plant material. One 3" caliper deciduous tree shall be relocated from rear of building to front. Contractor shall co-ordinate with Contracting Officer for exact layout of planting beds.

No. 4: Provide grate frame extensions to existing catch basins to accomodate new site grades at front of building. Existing catch basins are approx. 12" lower than elevations required by regrading.

No.5: Provide labor and materials required to modify the manhole chimney of the existing telephone handhole in the new Mobility Equip Storage Room. Elevation change will be approx. + 6".



No. 6: Provide labor and materials required to modify the opening of the existing steam access pit in the new Mobility Equip. Storage Room.

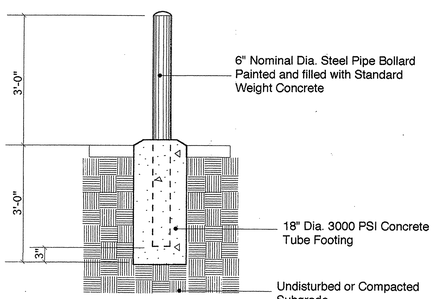


No. 7: Provide labor and materials to extend the manhole chimney of the existing telephone manhole in the new drive off Port Street. Elevation change will be approx. 6". Reuse the existing manhole cover.

No. 8: Pitch all concrete walkways and ramps away from building at 1.5%

No. 9: At existing bituminous drive off Jenkins Street - Remove existing driveway entirely and grade and seed grass landscape belt between road and sidewalk. Relocate precast curbing from drive to edge of roadway.

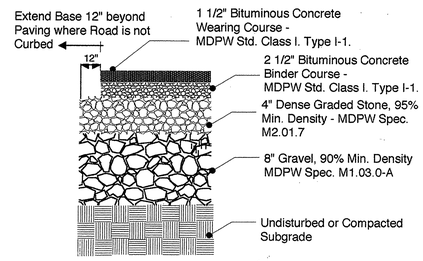
No. 10: Telephone Conduits from MH-62D on site to MH-62C in street carry fiber optic cables at 3 1/2' below grade.



PIPE BOLLARD DETAIL

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

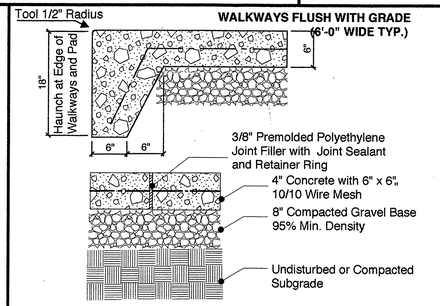
1



NEW BITUMINOUS CONCRETE PAVING

scale: 1" = 1'-0"

2



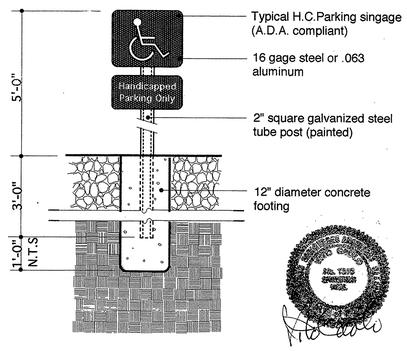
CONCRETE FINISH SHALL BE MEDIUM TEXTURE BROOM FINISH PERPENDICULAR TO DIRECTION OF WALK WITH 3" TROWELED EDGES.

WALKWAYS: SCORING EVERY 5', EXPANSION JOINTS EVERY 20'

CONCRETE PAVING

scale: 1" = 1'-0"

3

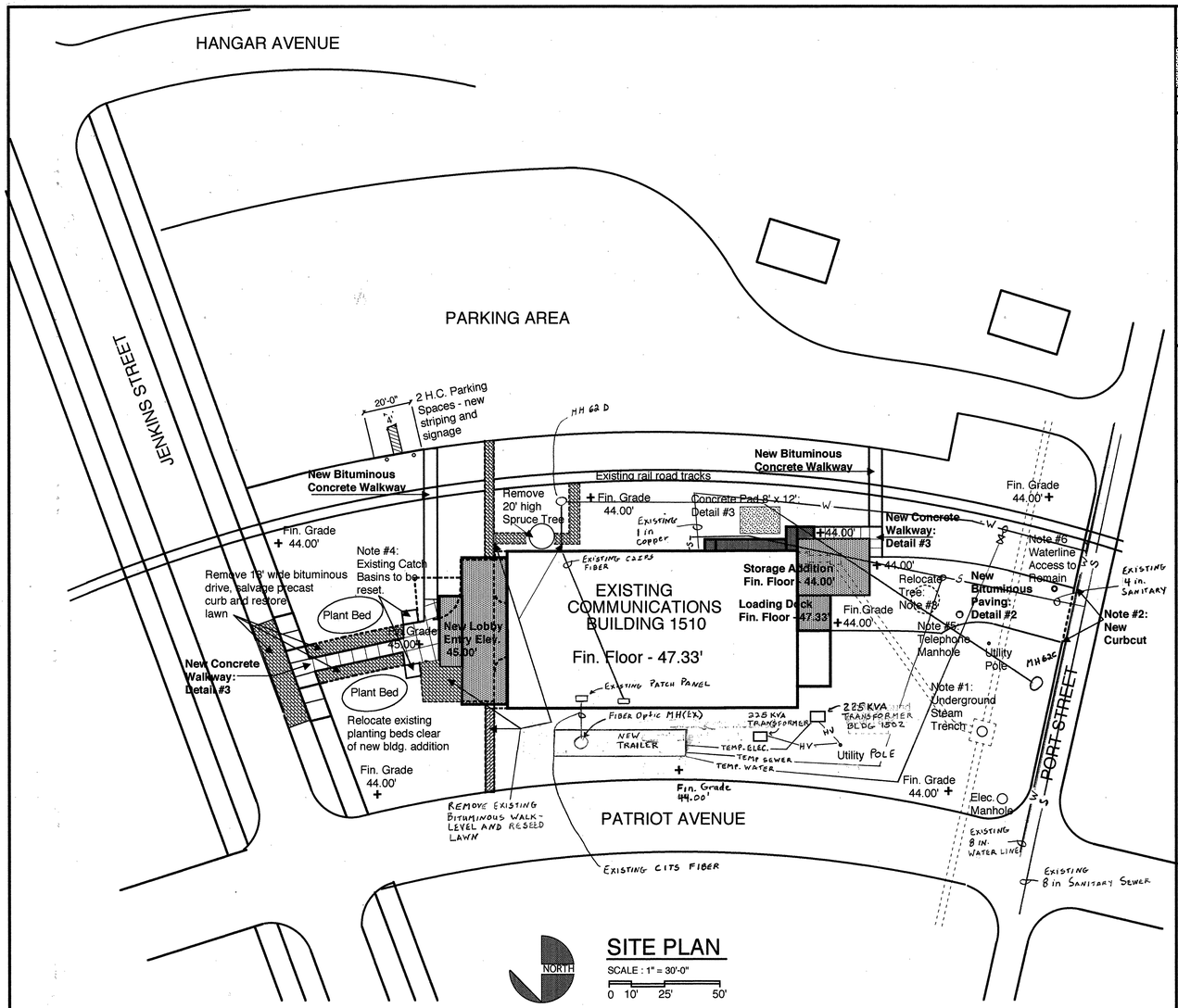


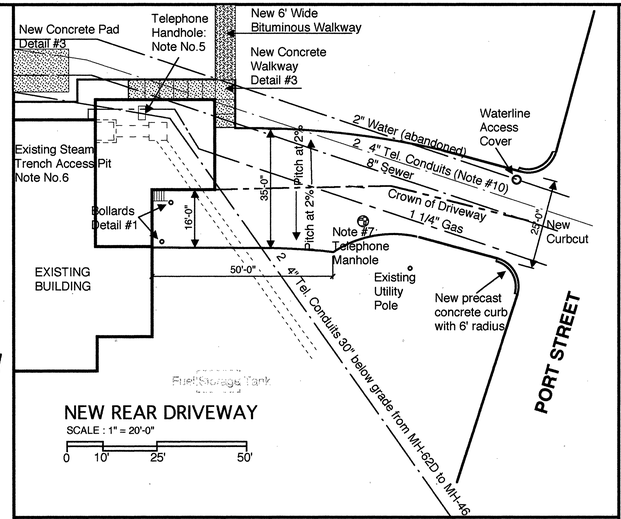
SIGNAGE AND POST

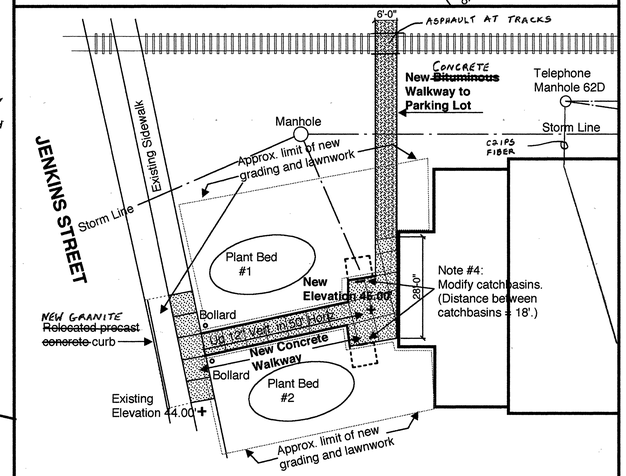
scale: 3/4" = 1'-0"

4

USING AGENCY	1	01/10/97	100% SUBMISSION		
	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF	AIR FORCE RESERVE				
SAFETY	CIVIL ENGINEERING				
CORROSION ENGINEER	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
	M/R/A COMMUNICATIONS BUILDING 1510				
	SITE PLAN AND DETAILS				
PROJECT ENGINEER	SUBMITTED	CHIEF ENGINEER	RECOMMENDED	BASE ENGINEER	APPROVED	INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED KRJ	DRAWN KRJ	DATE 15 AUG 96	SCALE AS NOTED	PROJECT NUMBER YTPM 94-0084	DRAWING NUMBER WST 4140 C - 1	SHEET 2 OF 29







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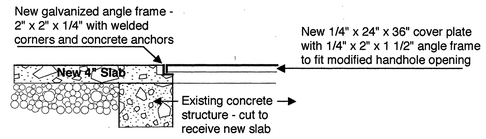

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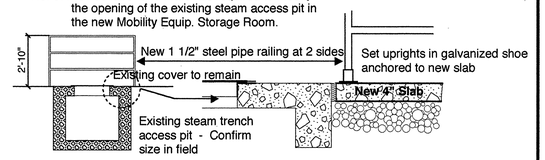

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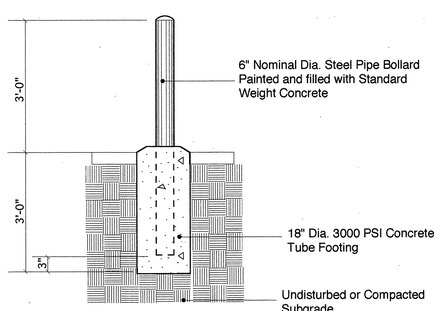
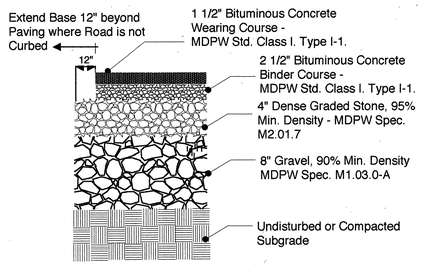
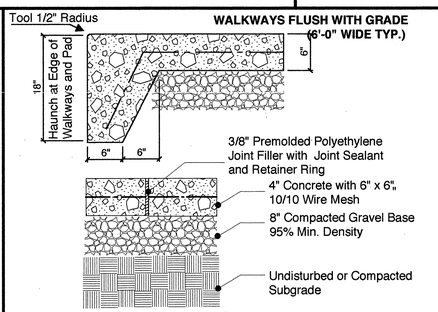


PIPE BOLLARD DETAIL
SCALE: 1/2" = 1'-0"
1



NEW BITUMINOUS CONCRETE PAVING
scale: 1" = 1'-0"
2



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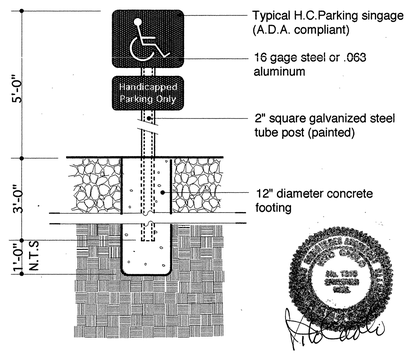
scale: 1" = 1'-0"
3



SIGNAGE AND POST
scale: 3/4" = 1'-0"
4

USING AGENCY	1	01/10/97	100% SUBMISSION		
	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
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	CIVIL ENGINEERING				
SAFETY	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
CORROSION ENGINEER	M/R/A COMMUNICATIONS BUILDING 1510 SITE PLAN AND DETAILS				
PROJECT ENGINEER	SUBMITTED CHIEF ENGINEER		RECOMMENDED BASE ENGINEER		APPROVED INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED KRJ		SCALE AS NOTED		DRAWING NUMBER WST 4140 C - 1
	DRAWN KRJ	DATE 15 AUG 96	PROJECT NUMBER YTPM 94-0084		SHEET 2 OF 29

NOTES:

#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE,LOCAL RULES, AND REGULATIONS.

#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

#3 TELEPHONE AND DATA OUTLETS SHALL BE SINGLE GANG CONDUIT WALL CASES WITH INSULATED BUSHINGS AND PULL STRINGS.

#4 ALL SINGLE GANG OUTLET BOXES SHALL HAVE .040 SS BLANK COVER PLATES.

#5 THE EXACT LOCATION AND POSITIONING OF SECURITY DEVICES SHALL BE DETERMINED BY THE MANUFACTURER AND SECURITY PERSONNEL IN THE FIELD.

#6 THE WIRING FOR SECURITY EQUIPMENT SHALL BE BELDEN 08060116 OR EQUAL AS APPROVED BY THE EQUIPMENT MANUFACTURER. INSTALL ALL SECURITY WIRING IN 3/4" EMT MINIMUM ACCORDING TO MANUF. INSTRUCTIONS.

SECURITY EQUIP. SCHEDULE

(A) 08060134 SENTROL 2707A BMS

(B) 08060054 AMESCO HUSK-10 FIXED DURESS BUTTONS

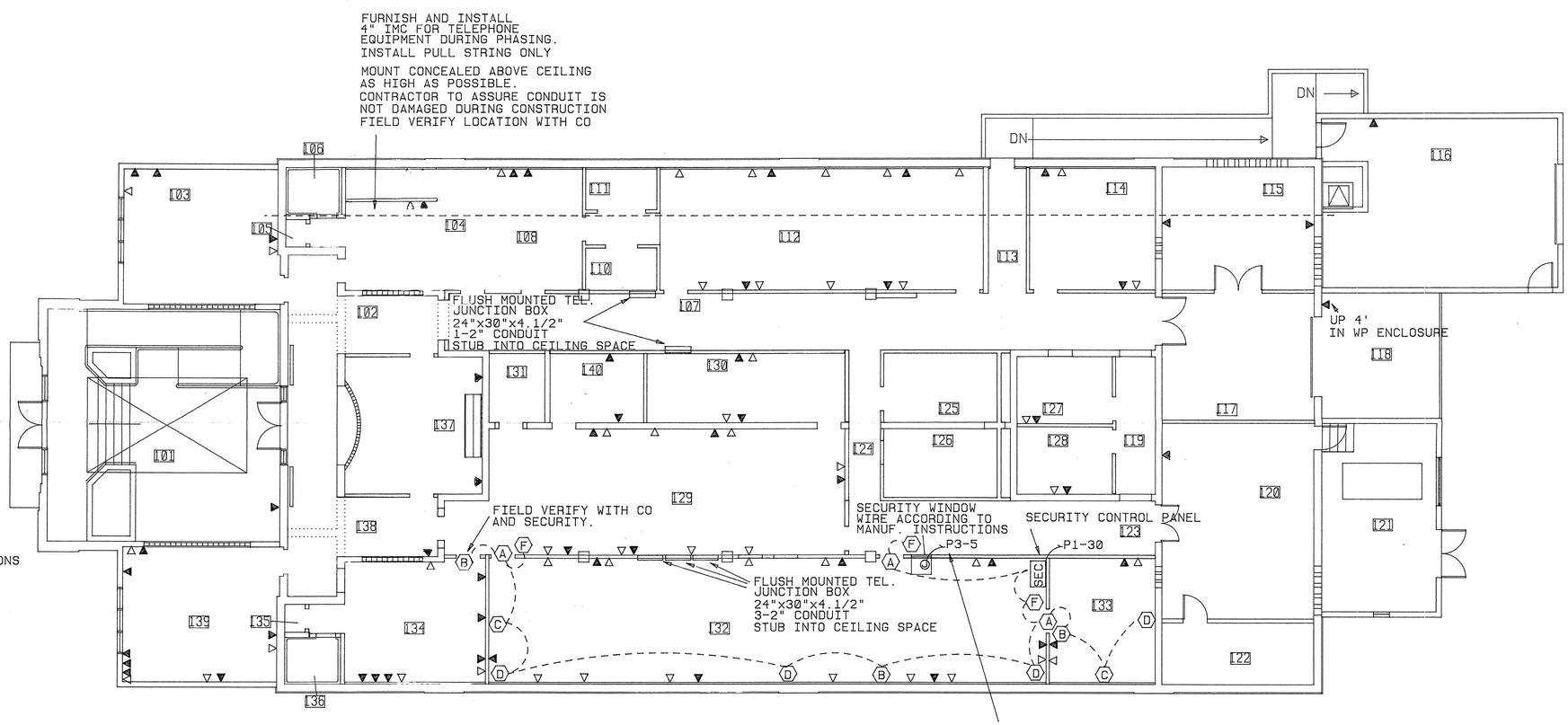
(C) PA 15 AUDIO DETECTORS

(D) 08060480 DS 938 PIR MOTION DETECTORS

(E) LCD AVR G/B KEY PADS

SEC UL 3250 CONTROL PANEL

ALL EQUIPMENT SHOWN IS BY ADVANTOR CORPORATION. EQUAL MANUFACTURERS ARE ACCEPTABLE IF COMPATABLE WITH THE EXISTING ADVANTOR SECURITY SYSTEM.



TELEPHONF DAIA & SECURITY

SCALE 1/8"=1'-0"

DRAWINGS ARE DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT, THE MAIN COMPONENTS OF THE SYSTEMS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS. BASED ON THE SYSTEM CONCEPT, THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.

USING AGENCY	REV..	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF	AIR FORCE RESERVE				
	CIVIL ENGINEERING				
SAFETY	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
CORROSION ENGINEER	M/R/A COMMUNICATIONS BUILDING 1510 TELEPHONE, DATA & SECURITY				
PROJECT ENGINEER	SUBMITTED: CHIEF ENGINEER		RECOMMENDED: BASE ENGINEER		APPROVED: INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED: WDL		SCALE: 1/8" = 1'-0"		DRAWING NUMBER: WST4140 E - 4
	DRAWN: WDL	DATE: 10 JAN 1997	PROJECT NUMBER: YTPM 94-0084		SHEET 28 OF 29

COMMONWEALTH OF MASSACHUSETTS WILLIAM D. LICOTTE ELECTRICAL No. 45907 REGISTERED PROFESSIONAL ENGINEER

NOTES:

#1 ALL WIRING SHALL BE INSTALLED AND GROUNDING SHALL BE IN ACCORDANCE WITH THE LATEST RULES OF THE NATIONAL ELECTRICAL CODE,LOCAL RULES, AND REGULATIONS.

#2 THE EXACT LOCATION OF EQUIPMENT AND THE METHOD OF SUPPORT OF THE WIRING AND EQUIPMENT TO BE DETERMINED IN THE FIELD.

#3 TELEPHONE AND DATA OUTLETS SHALL BE SINGLE GANG CONDUIT WALL CASES WITH INSULATED BUSHINGS AND PULL STRINGS.

#4 ALL SINGLE GANG OUTLET BOXES SHALL HAVE .040 SS BLANK COVER PLATES.

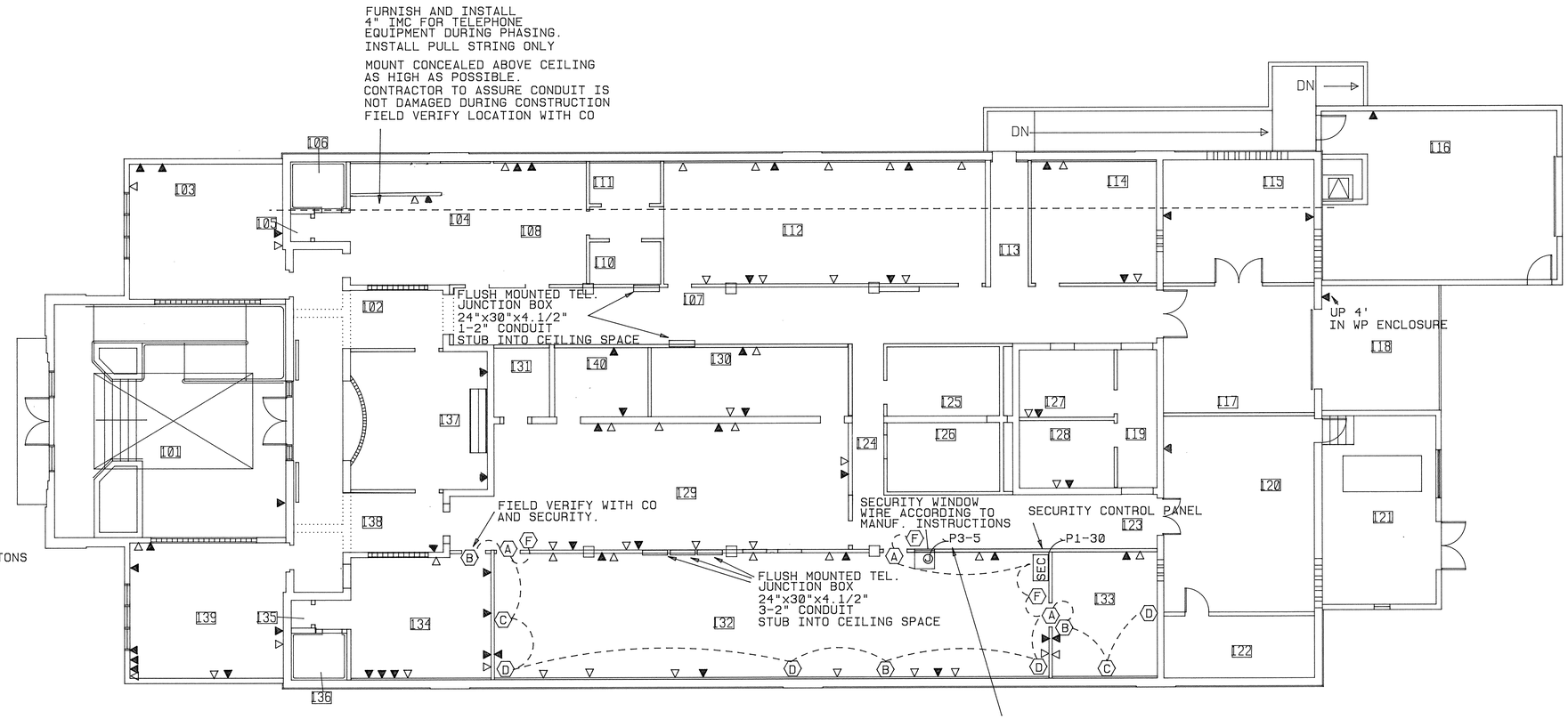
#5 THE EXACT LOCATION AND POSITIONING OF SECURITY DEVICES SHALL BE DETERMINED BY THE MANUFACTURER AND SECURITY PERSONNEL IN THE FIELD.

#6 THE WIRING FOR SECURITY EQUIPMENT SHALL BE BELDEN 08060116 OR EQUAL AS APPROVED BY THE EQUIPMENT MANUFACTURER. INSTALL ALL SECURITY WIRING IN 3/4" EMT MINIMUM ACCORDING TO MANUF. INSTRUCTIONS.

SECURITY EQUIP. SCHEDULE

- (A) 08060134 SENTROL 2707A BMS
- (B) 08060054 AMESCO HUSK-10 FIXED DURESS BUTTONS
- (C) PA 15 AUDIO DETECTORS
- (D) 08060480 DS 938 PIR MOTION DETECTORS
- (E) LCD AVR G/B KEY PADS
- [SEC] UL 3250 CONTROL PANEL

ALL EQUIPMENT SHOWN IS BY ADVANTOR CORPORATION. EQUAL MANUFACTURERS ARE ACCEPTABLE IF COMPATABLE WITH THE EXISTING ADVANTOR SECURITY SYSTEM.



NORTH

TELEPHONE DATA & SECURITY

SCALE 1/8"=1'-0"

DRAWINGS ARE DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE; THEY ARE NOT INTENDED TO SPECIFY OR TO SHOW EVERY OFFSET FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT. THE MAIN COMPONENTS OF THE SYSTEMS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS. BASED ON THE SYSTEM CONCEPT, THE MAIN COMPONENTS, AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.

COMMONWEALTH OF MASSACHUSETTS PHILIP D. LEOTTE ELECTRICAL 43504 REGISTERED PROFESSIONAL ENGINEER

REV..	DATE	DESCRIPTION	DRAWN	APPR'D

USING AGENCY

FIRE CHIEF

SAFETY

CORROSION ENGINEER

PROJECT ENGINEER

BIO-ENV. ENGINEER

AIR FORCE RESERVE

CIVIL ENGINEERING

WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510

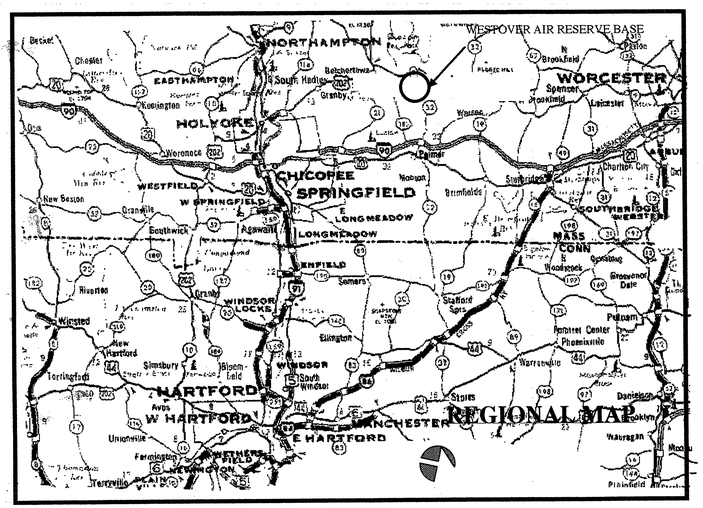
TELEPHONE, DATA & SECURITY

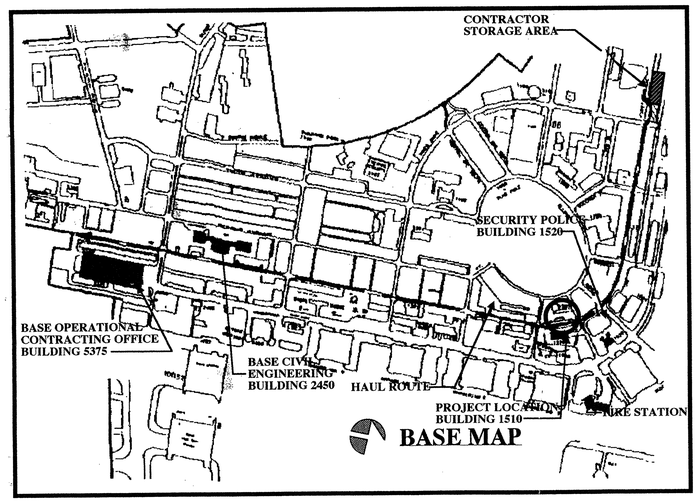
SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

DESIGNED	DRAWN	DATE	SCALE	PROJECT NUMBER	DRAWING NUMBER	SHEET
WDL	WDL	10 JAN 1997	1/8" = 1'-0"	YTPM 94-0084	WST4140 E - 4	28 OF 29

WESTOVER AIR RESERVE BASE
CHICOPEE, MASSACHUSETTS

RENOVATIONS TO
M/R/A/ COMMUNICATIONS
BUILDING 1510
YTPM 94-0084





LIST OF ABBREVIATIONS

@	AT	E.J.	EXPANSION JOINT	J	JOIST	PC	PIECE/PHOTOCELL	STL.	STEEL
A.B.	ANCHOR BOLT	EMERG.	EMERGENCY	JB	JUNCTION BOX	PL.	PLATE/PLASTIC	STD.	STANDARD
ACOUST.	ACOUSTIC/ACOUSTICAL	EQ.	EQUAL	JT.	JOINT	PLBG.	PLUMBING	STOR.	STORAGE
ADJ.	ADJACENT	EQUIP.	EQUIPMENT			PL. LAM.	PLASTIC LAMINATE	SUSP.	SUSPENDED
A.F.F.	ABOVE FINISHED FLOOR	E.W.C.	ELECTRIC WATER COOLER	Kwh	KILOWATT HOUR	PLYWD.	PLYWOOD	SW.	SWITCH
AL./ALUM.	ALUMINUM	EX./EXIST.	EXISTING	Kv	KILO VOLT	PNL	PANEL	T.	TREAD
AMP.	AMPHERE	EXP.	EXPANSION			POLY.	POLYETHYLENE	T & B	TOP AND BOTTOM
ARCH.	ARCHITECTURAL	EXT.	EXTERIOR	L	ANGLE	PREFAB.	PREFABRICATED	T & G	TONGUE AND GROOVE
ASB.	ASBESTOS			LAM.	LAMINATE	PT.	PAINT	T.C.	TOP OF CURB
		F.D.	FLOOR DRAIN	LAV.	LAVATORY	PVC	POYLVINYL CHLORIDE	TEL.	TELEPHONE
BD.	BOARD	F.E.	FIRE EXTINGUISHER	LG.	LONG	P.T.	PRESSURE TREATED	TEMP.	TEMPORARY
BLDG.	BUILDING	FIN.	FINISH	LGT.	LENGTH			T.F.E.	TOP OF FOOTING ELEVATION
BLK.	BLOCK	FL.	FLOOR	LH	LEFT HAND	Q.T.	QUARRY TILE	THRESH.	THRESHOLD
BOT.	BOTTOM	FLUOR.	FLUORESCENT	LW	LIGHT WEIGHT			THRU	THROUGH
B.S.	BOTH SIDES	FT. OR '	FEET			R.	RISERS	T.M.E.	TOP OF MASONRY WALL
		FURR'G	FURRING	MACH.	MACHINE	RAD.	RADIUS	T.O.S	TOP OF STEEL
CAB.	CABINET			MAS.	MASONRY	RBR.	RUBBER	T.S.	TUBE STEEL
C.B.	CONCRETE BLOCK	GA.	GAUGE	MAX.	MAXIMUM	REC.	RECESSED	T.T.F.	TRIM TO FIT
CEM.	CEMENT	GALV.	GALVANIZED	MECH.	MECHANICAL	RECEPT.	RECEPTACLE	T.W.E.	TOP OF WALL ELEVATION
CER.	CERAMIC	G.C.	GENERAL CONTRACTOR	MFR.	MANUFACTURER	REINF.	REINFORCED	TYP.	TYPICAL
C.G.	GENERAL CONTRACTOR	GEN.	GENERAL	M.H.	MANHOLE	REQ'D	REQUIRED		
C.F.M.	CUBIC FT. PER MINUTE	GL.	GLASS	MIN.	MINIMUM, MINUTE	RES.	RESISTANT	U.N.O.	UNLESS NOTED OTHERWISE
C.J.	CONTROL JOINT	GWB	GYPSUM WALL BOARD	MISC.	MISCELLANEOUS	RES'L	RESILIENT		
CLG.	CEILING			MTD.	MOUNTED	RET.	RETAINING	V.	VOLT
C.L.	CENTERLINE	HARDWR.	HARDWARE	MTL.	METAL	RM.	ROOM	VA	VOLT AMPERE
C.M.U.	CONCRETE MASONRY UNIT	H.C.	HOLLOW CORE			RW	RAINWATER	V.C.P.	VITRIFIED CLAY PIPE
CONC.	CONCRETE	H.CAP.	HANDICAPPED	N	NORTH			VCT	VINYL COMPOSITION TILE
CONTR.	CONTRACTOR	HD.	HEAD	N.I.C.	NOT IN CONTRACT	S	SOUTH	VERT.	VERTICAL
CPT.	CARPET	HDWD.	HARDWARE	NOM.	NOMINAL	SAN.	SANITARY	VWC	VINYL WALLCOVERING
C.T.	CERAMIC TILE	H.M.	HOLLOW METAL	NO.	NUMBER	S.C.	SOLID CORE		
		HOR.	HORIZONTAL	N.T.S.	NOT TO SCALE	SCHED.	SCHEDULE	W	WEST
DBL.	DOUBLE	H.R.	HANDRAIL			SD	STORM DRAIN	W.C.	WATER CLOSET
DIA.	DIAMETER	HT.	HEIGHT	OBS.	OBSERVATION	SECT.	SECTION	W.D.	WOOD
DIM.	DIMENSION			O.C.	ON CENTER	SHT.	SHEET	WF	WIDE FLANGE
DISP.	DISPENSER	I.D.	INSIDE DIAMETER	O.D.	OUTSIDE DIAMETER	SIM.	SIMILAR	WP	WATERPROOF
DN.	DOWN	IN. OR "	INCH	O.H.	OPPOSITE HAND	SPEC.	SPECIFICATIONS	W/	WITH
DWG.	DRAWING	INT.	INTERIOR	OPG.	OPENING	SQ.	SQUARE	W/O	WITHOUT
		INV.	INVERT	OPP.	OPPOSITE	S.S.	STAINLESS STEEL	WWF	WELDED WIRE FABRIC
EL.	ELEVATION								

LIST OF DRAWINGS

T-1	TITLE SHEET
C-1	SITE PLAN AND DETAILS
AD-1	DEMOLITION PLANS AND ELEVATIONS
ASB-1	ASBESTOS REMOVAL PLAN AND DETAILS
A-1	FLOOR PLANS
A-2	REFLECTED CEILING PLAN
A-3	EXTERIOR ELEVATIONS AND SECTIONS
A-4	ROOF PLAN
A-5	ENLARGED PLANS AND INTERIOR ELEV.
A-6	WALL SECTIONS AT ENTRY ADDITION
A-7	WALL SECTIONS AT REAR ADDITION
A-8	DOOR SCHEDULE AND DETAILS
A-9	ROOM FINISH SCHEDULE
A-10	ARCHITECTURAL DETAILS
S-1	FOUNDATION AND FRAMING PLANS
S-2	STRUCTURAL SECTIONS AND DETAILS
FP-1	FIRE PROTECTION SYSTEMS
P-1	PLUMBING FLOOR PLAN AND DETAILS
HVAC-1	DUCTWORK PLANS AND DETAILS
HVAC-2	PIPING PLAN AND DETAILS
HVAC-3	ENLARGED PLANS - MECH. ROOMS
HVAC- 4	MECHANICAL DETAILS
HVAC-5	MECHANICAL DETAILS
ED-1	ELECTRICAL DEMOLITION
E-1	POWER PLAN
E-2	LIGHTING PLAN
E-3	F/A - COMMUNICATIONS PLAN
E-4	TELEPHONE DATA AND SECURITY
E-5	ONE LINE DIAGRAMS AND DETAILS

CAOLO & BIENIEK ASSOCIATES, INC.
ARCHITECTS AND ENGINEERS

ENVIRONMENTAL ENGINEERS
ATC Environmental, Inc.

FIRE PROTECTION ENGINEERS
RYBAK ENGINEERING, INC.

MECHANICAL/PLUMBING ENGINEERS
TOWSLEY ASSOCIATES, INC.

ELECTRICAL ENGINEERS
E. M. SULLIVAN CO., INC.

	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
USING AGENCY	1	01-10-97	100% SUBMISSION		
FIRE CHIEF					
SAFETY					
CORROSION ENGINEER					

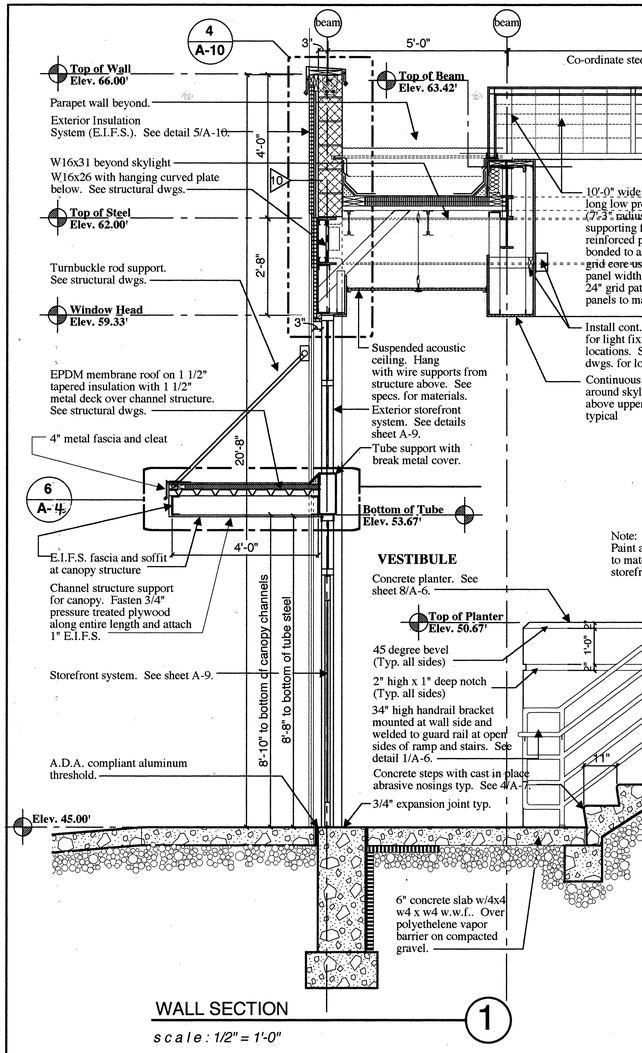
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022
M/R/A COMMUNICATIONS BUILDING 1510
TITLE SHEET

PROJECT ENGINEER	CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER
BIO-ENV. ENGINEER			

SUBMITTED | RECOMMENDED | APPROVED

DESIGNED KRJ | SCALE NO SCALE | DRAWING NUMBER WST 4140 T - 1

DRAWN KRJ | DATE 5 NOV 96 | PROJECT NUMBER YTPM 94-0084 | SHEET 1 OF 29

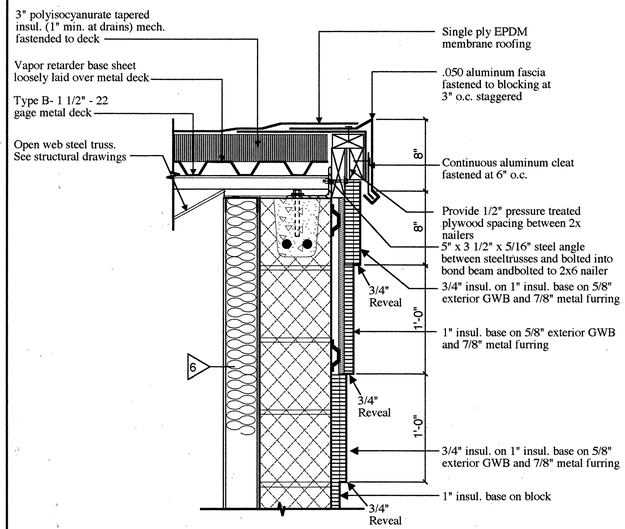


WALL SECTION 1
scale : 1/2" = 1'-0"

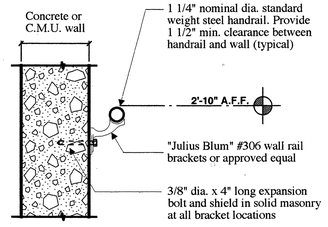
WALL SECTION 2
scale : 1/2" = 1'-0"

WALL SECTION 3
scale : 1/2" = 1'-0"

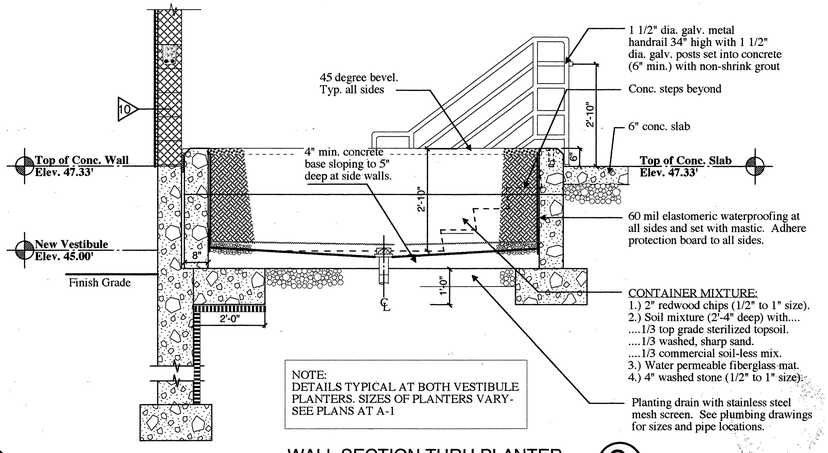
WALL SECTION 4
scale : 1/2" = 1'-0"



E.I.F.S. ROOF EDGE DETAIL 5
scale : 1 1/2 = 1'-0"



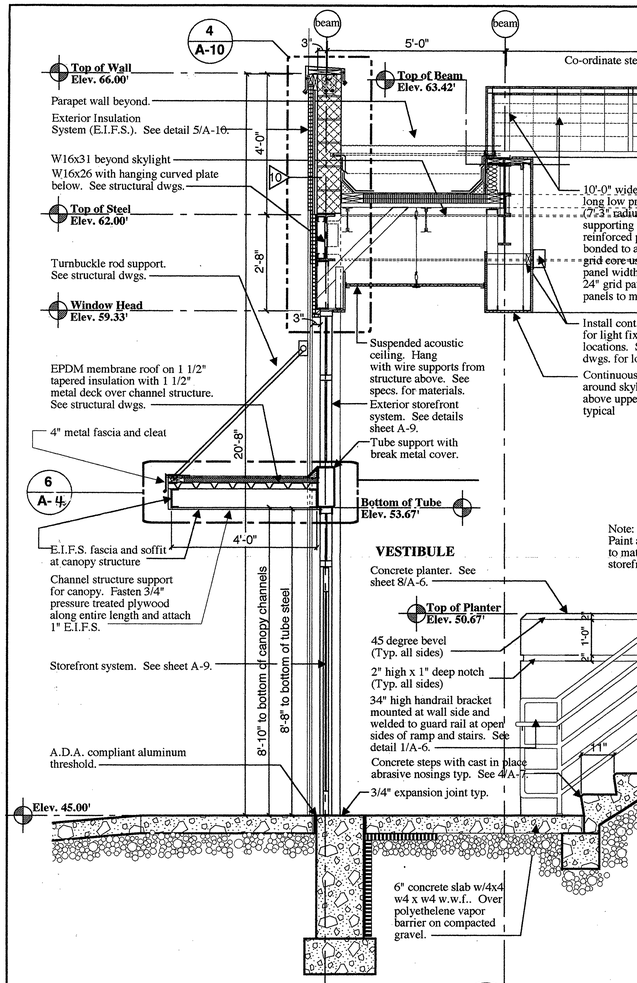
WALL MOUNTED HANDRAIL 6
scale : 1 1/2 = 1'-0"



WALL SECTION THRU PLANTER 8
scale : 1/2" = 1'-0"

REGISTERED ARCHITECT
No. 1318
SPRINGFIELD
MASS.

USING AGENCY	1	01-10-97	100% SUBMISSION		
	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF	AIR FORCE RESERVE				
	CIVIL ENGINEERING				
SAFETY	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
CORROSION ENGINEER	M/R/A COMMUNICATIONS BUILDING 1510				
	WALL SECTIONS				
PROJECT ENGINEER	SUBMITTED: CHIEF ENGINEER	RECOMMENDED: BASE ENGINEER	APPROVED: INSTALLATION COMMANDER		
BIO-ENV. ENGINEER	DESIGNED: KRJ	SCALE: AS NOTED	DRAWING NUMBER: WST 4140 A - 6		
	DRAWN: KRJ	DATE: 05 NOV 96	PROJECT NUMBER: YTPM 94-0084	SHEET 10 OF 29	

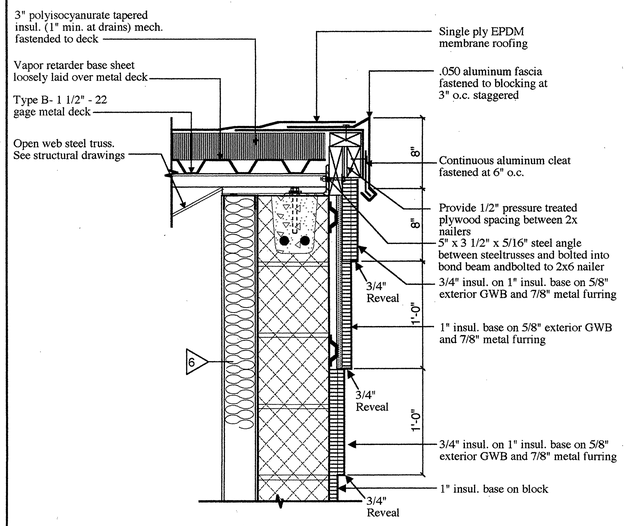


WALL SECTION 1
scale : 1/2" = 1'-0"

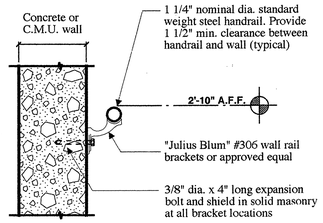
WALL SECTION 2
scale : 1/2" = 1'-0"

WALL SECTION 3
scale : 1/2" = 1'-0"

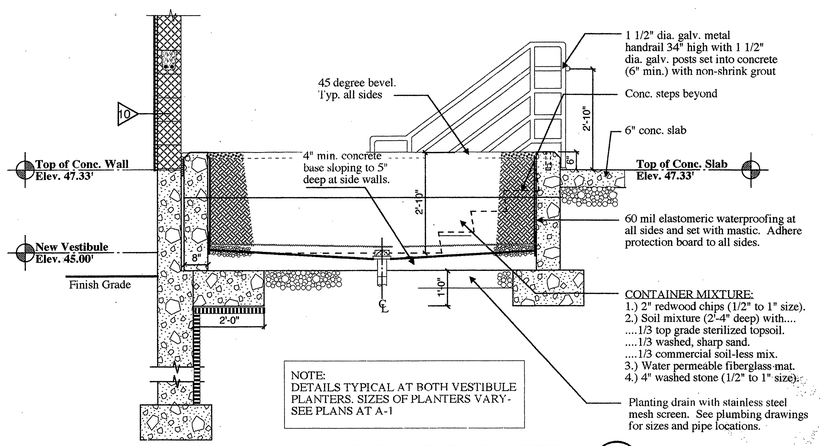
WALL SECTION 4
scale : 1/2" = 1'-0"



E.I.F.S. ROOF EDGE DETAIL 5
scale : 1 1/2 = 1'-0"



WALL MOUNTED HANDRAIL 6
scale : 1 1/2 = 1'-0"



WALL SECTION THRU PLANTER 8
scale : 1/2" = 1'-0"

REGISTERED ARCHITECT
DAVID CASOLO
No. 1318
SPRINGFIELD
MASS.

REV.	DATE	DESCRIPTION	DRAWN	APPR'D
1	01-10-97	100% SUBMISSION		

USING AGENCY
FIRE CHIEF
SAFETY
CORROSION ENGINEER
PROJECT ENGINEER
BIO-ENV. ENGINEER

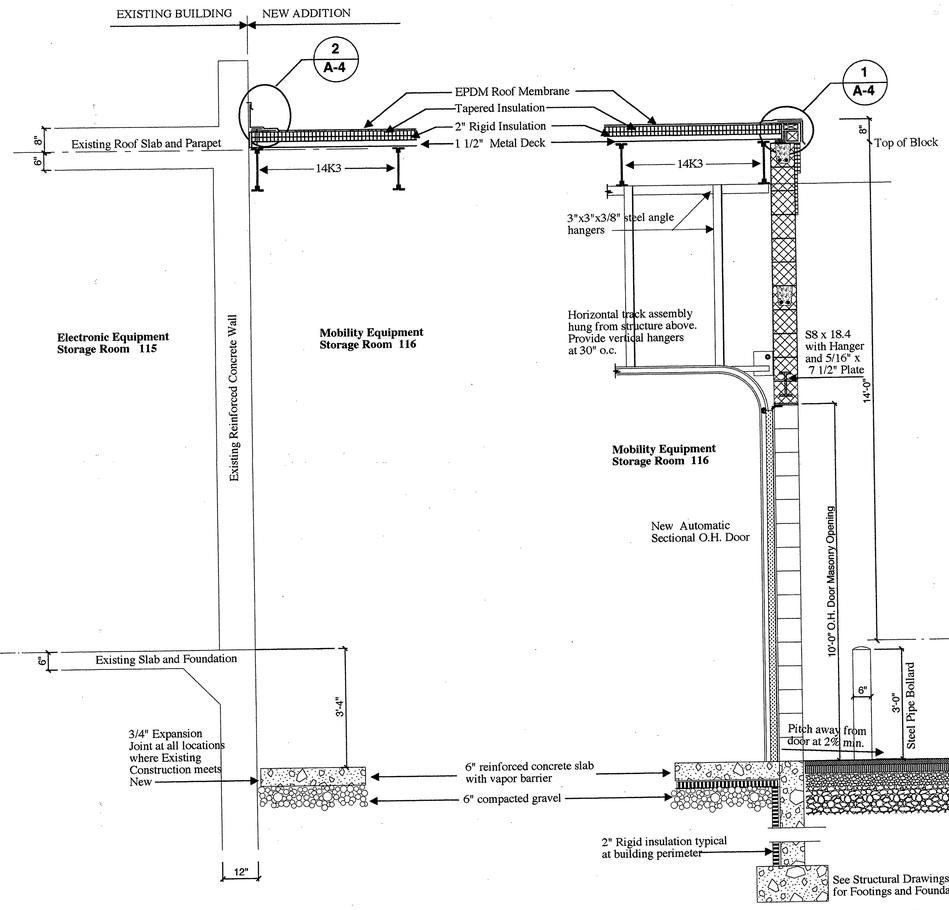
AIR FORCE RESERVE
CIVIL ENGINEERING
WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022

M/R/A COMMUNICATIONS BUILDING 1510
WALL SECTIONS

SUBMITTED	RECOMMENDED	APPROVED
CHIEF ENGINEER	BASE ENGINEER	INSTALLATION COMMANDER

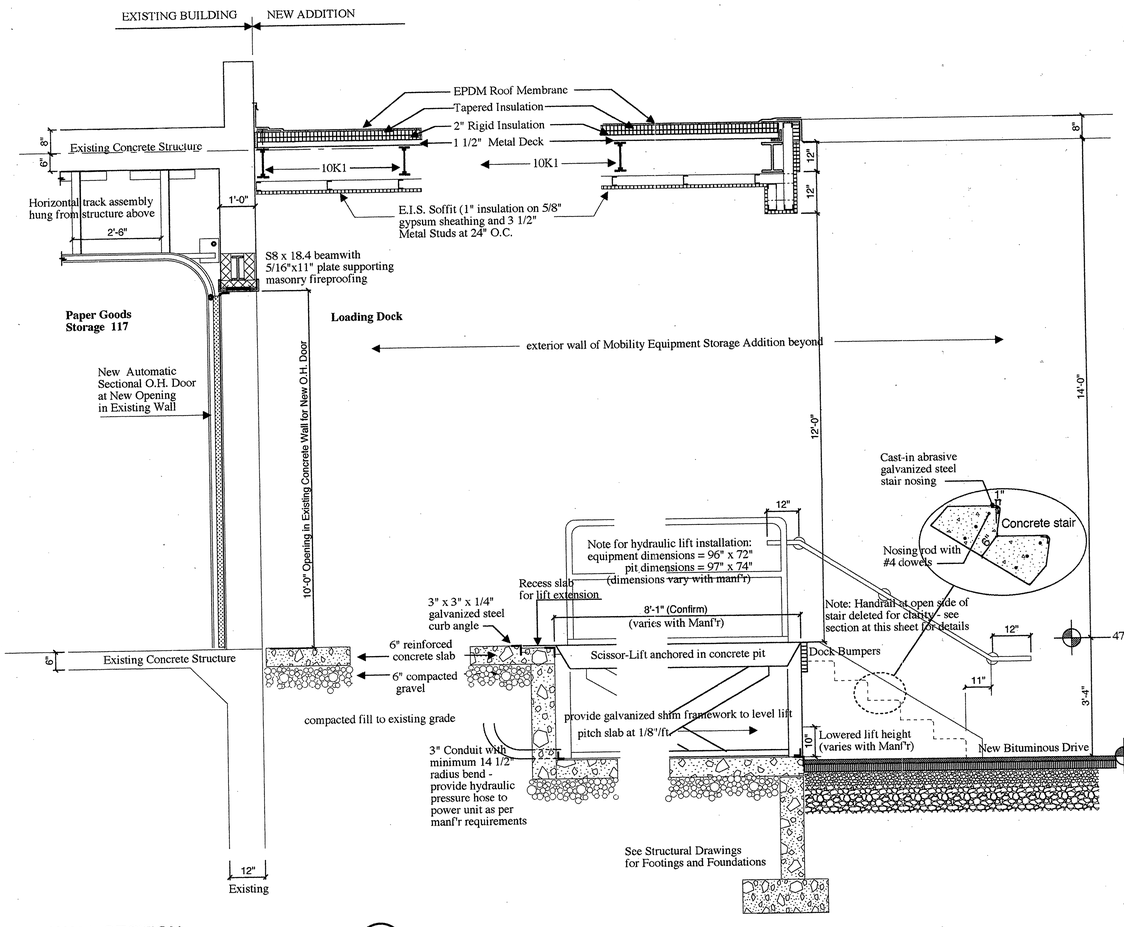
DESIGNED	SCALE	DRAWING NUMBER
KRJ	AS NOTED	WST 4140 A - 6
DRAWN KRJ	DATE 05 NOV 96	PROJECT NUMBER YTPM 94-0084

SHEET 10 OF 29



WALL SECTION 1 A-3

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



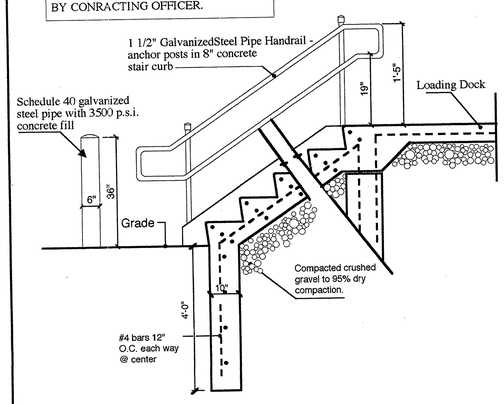
WALL SECTION 3 A-3

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

WALL SECTION 4 A-3

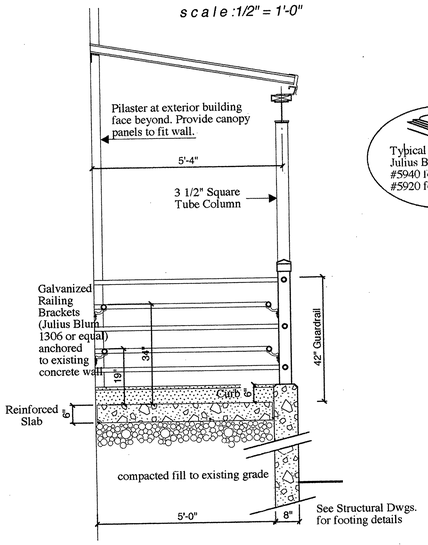
scale :1/2" = 1'-0"

NOTE:
PAINT RAILINGS AND BOLLARDS AT REAR ELEVATION TO MATCH BASE STANDARD. COLOR TO BE PROVIDED BY CONRACTING OFFICER.



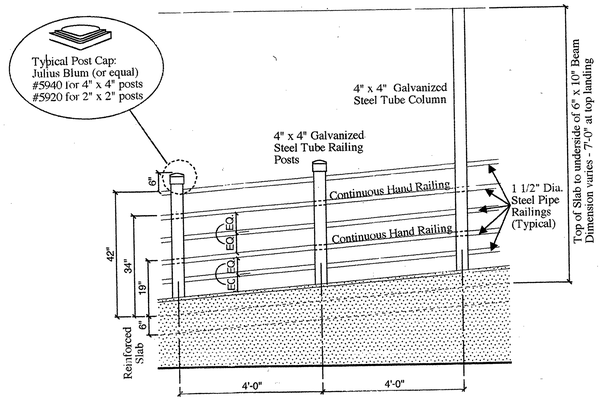
EXTERIOR STAIR SECTION 5 A-3

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



EXTERIOR RAMP SECTION 6 A-3

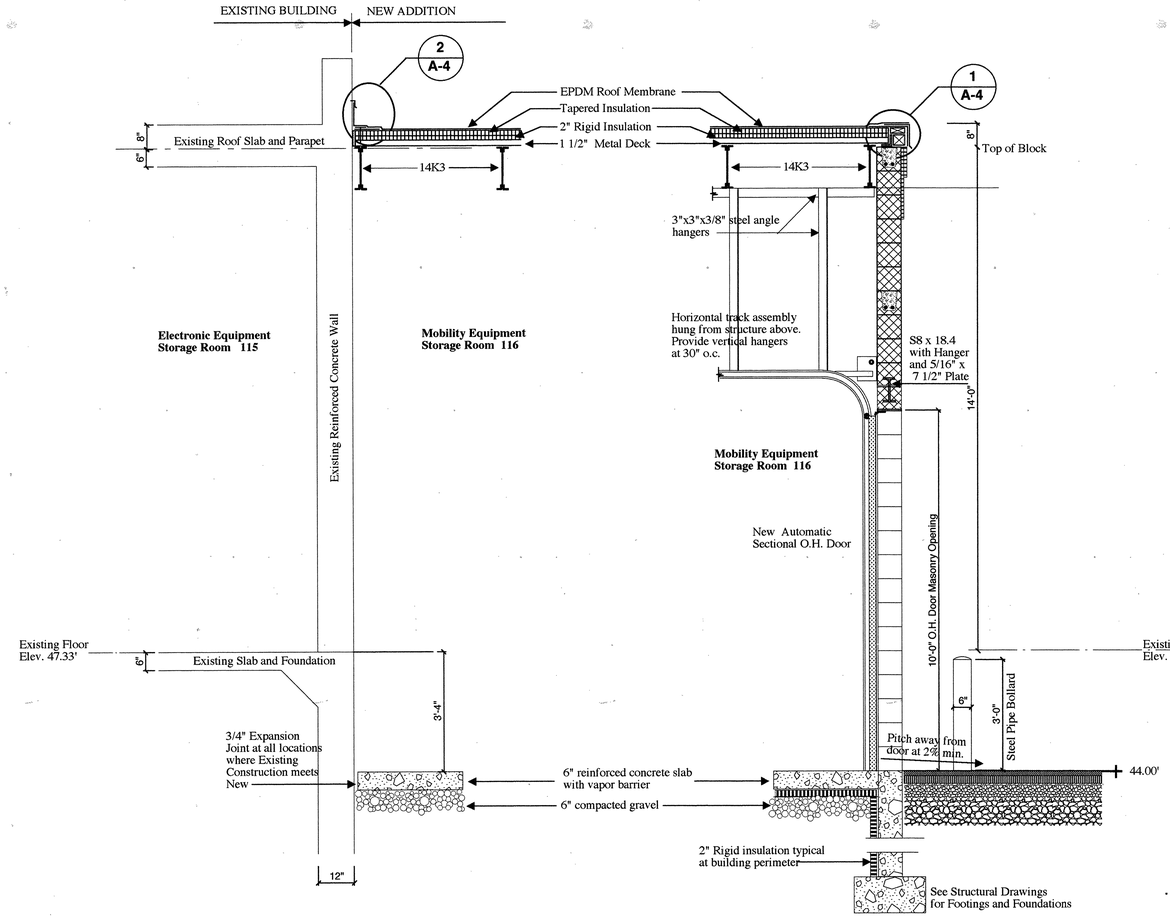
scale :1/2" = 1'-0"



EXTERIOR RAMP ELEVATION 7 A-3

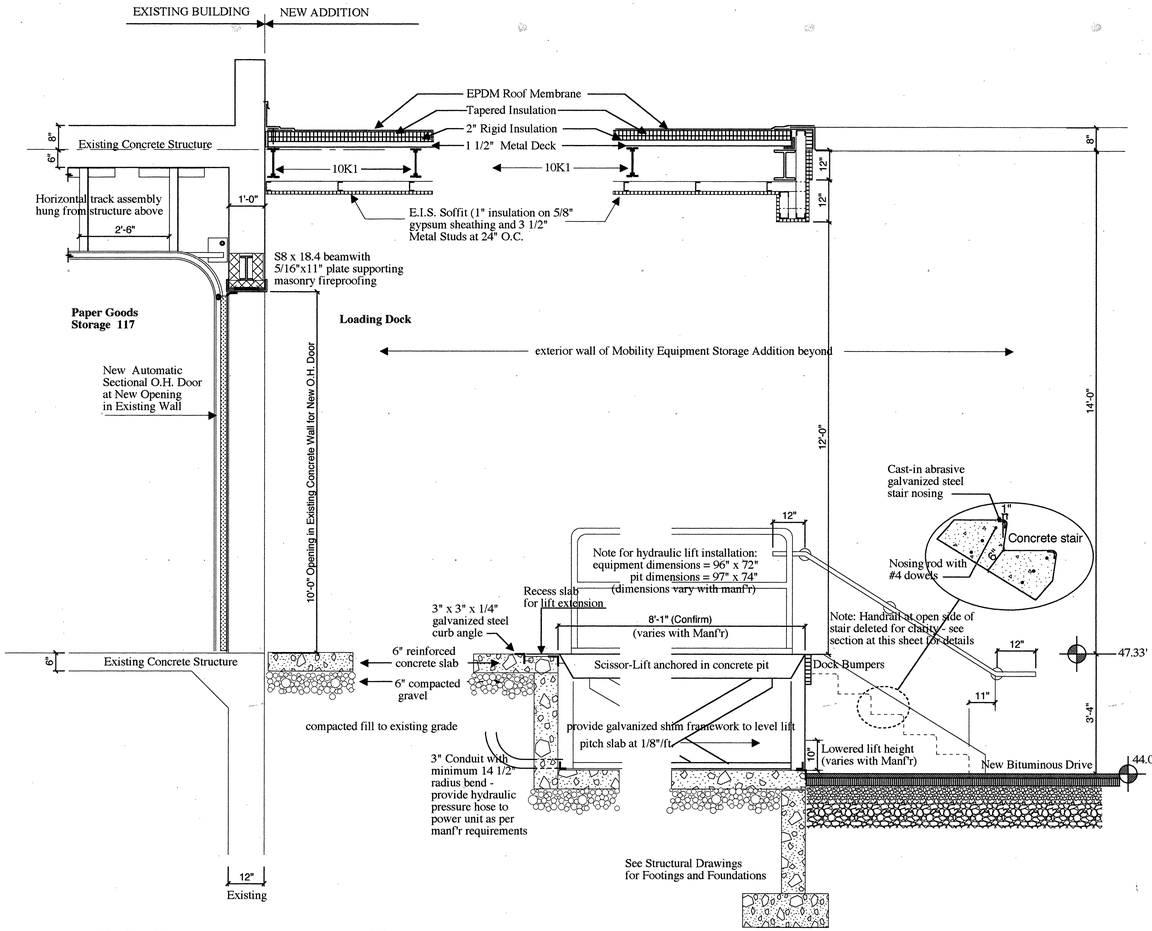
scale :1/2" = 1'-0"

USING AGENCY	1	01-10-97	100% SUBMISSION		
FIRE CHIEF	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
SAFETY	AIR FORCE RESERVE				
CORROSION ENGINEER	CIVIL ENGINEERING				
	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
	M/R/A COMMUNICATIONS BUILDING 1510				
	WALL SECTIONS				
PROJECT ENGINEER	SUBMITTED: CHIEF ENGINEER	RECOMMENDED: BASE ENGINEER	APPROVED: INSTALLATION COMMANDER		
BIO-ENV. ENGINEER	DESIGNED: KRJ	SCALE: AS NOTED	DRAWING NUMBER: WST 4140 A - 7		
	DRAWN: KRJ	DATE: 05 NOV 96	PROJECT NUMBER: YTPM 94-0084	SHEET 11 OF 29	



WALL SECTION 1 A-3

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



WALL SECTION 2 A-3

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

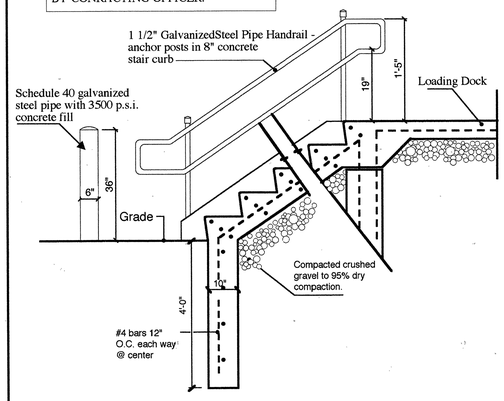
WALL SECTION 3 A-3

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

WALL SECTION 4 A-3

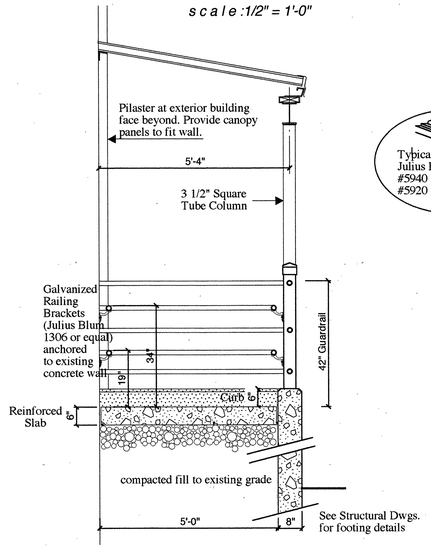
scale :1/2" = 1'-0"

NOTE:
PAINT RAILINGS AND BOLLARDS AT REAR ELEVATION TO MATCH BASE STANDARD. COLOR TO BE PROVIDED BY CONRACTING OFFICER.



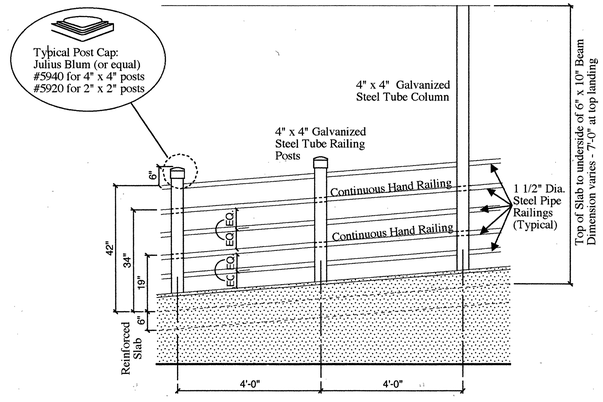
EXTERIOR STAIR SECTION 5 A-3

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



EXTERIOR RAMP SECTION 6 A-3

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



EXTERIOR RAMP ELEVATION 7 A-3

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

USING AGENCY	1	01-10-97	100% SUBMISSION		
	REV.	DATE	DESCRIPTION	DRAWN	APPR'D
FIRE CHIEF	AIR FORCE RESERVE				
	CIVIL ENGINEERING				
SAFETY	WESTOVER AIR FORCE BASE CHICOPEE, MASS. 01022				
CORROSION ENGINEER	M/R/A COMMUNICATIONS BUILDING 1510 WALL SECTIONS				
PROJECT ENGINEER	SUBMITTED		RECOMMENDED		APPROVED
	CHIEF ENGINEER		BASE ENGINEER		INSTALLATION COMMANDER
BIO-ENV. ENGINEER	DESIGNED KRJ		SCALE AS NOTED		DRAWING NUMBER WST 4140 A - 7
	DRAWN KRJ	DATE 05 NOV 96	PROJECT NUMBER YTPM 94-0084		SHEET 11 OF 29

REGISTERED ARCHITECT — No. 1319 — SPRINGFIELD MASS. — REGISTERED ARCHITECT — PETO CARLO