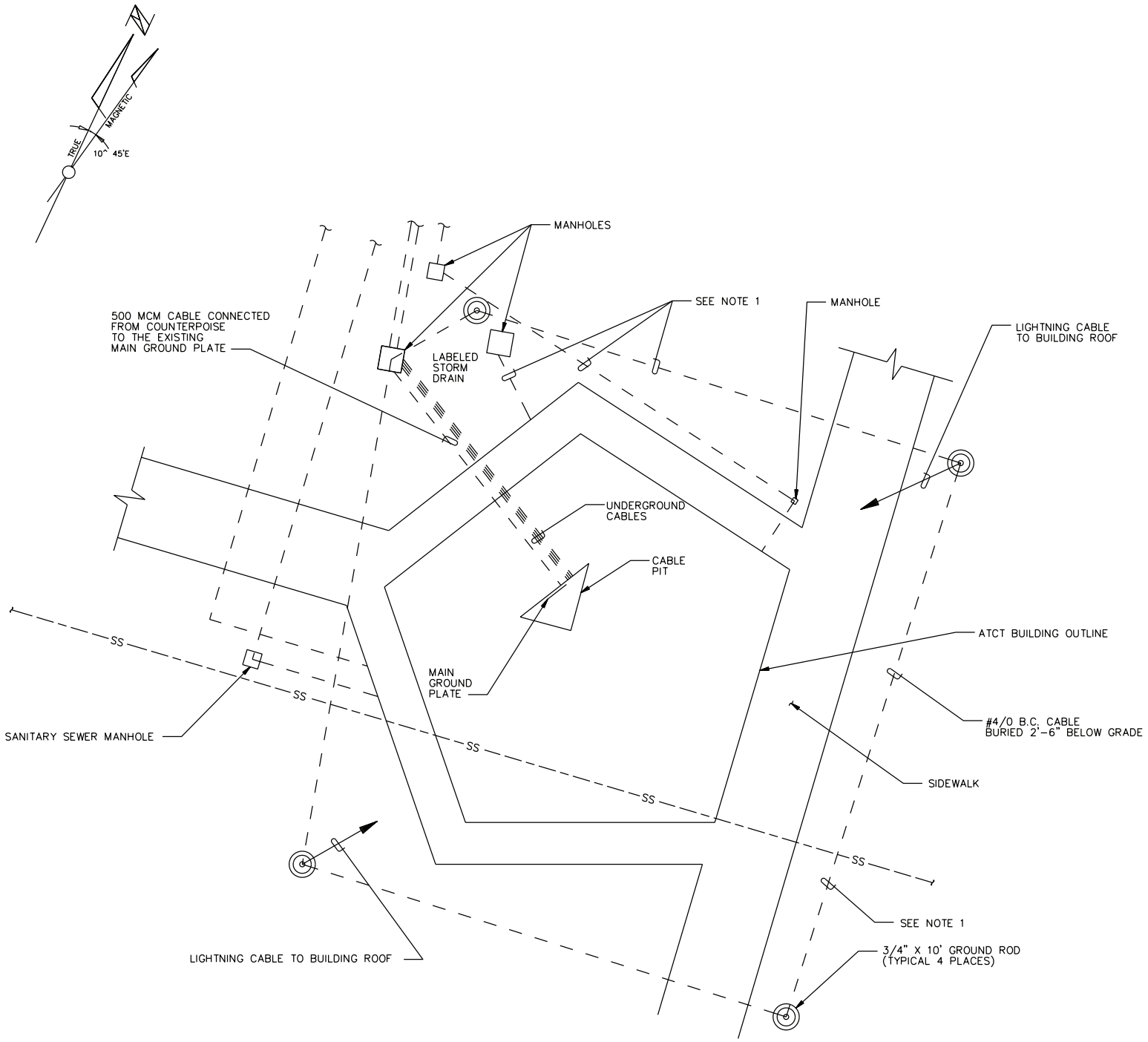
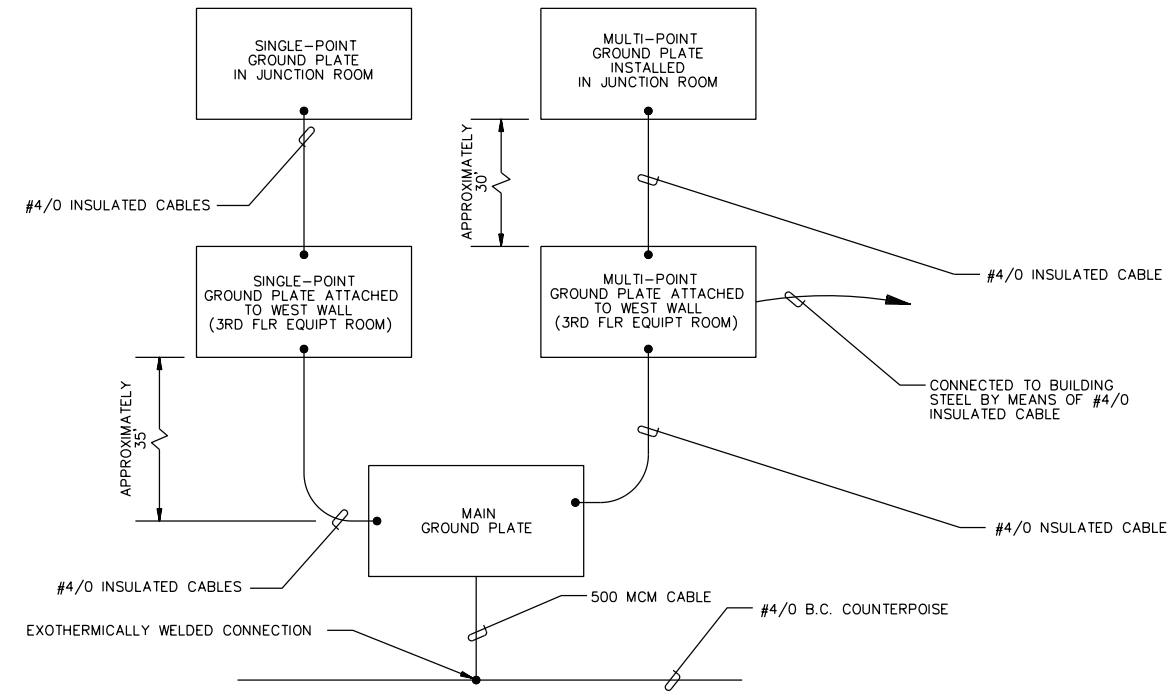


GROUNDING PLAN

10 0 10 20

SCALE IN FEET



GROUNDING ONE-LINE DIAGRAM

NOTES:

1. A SITE SURVEY WAS PERFORMED PRIOR TO CONSTRUCTION TO DETERMINE THE EXACT LOCATIONS OF THE GROUND RODS, AND COUNTERPOISE. THE RESISTANCE TO GROUND OF THE ENTIRE SYSTEM WAS MEASURED AFTER DISCONNECTION OF THE NEUTRAL OF THE INCOMING SERVICE. THE READING WAS LESS THAN 10 OHMS.

REV	DATE	DESCRIPTION	-	APRV'D
A	12/19/96	PROJECT RECORD DRAWING		LTM

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NORTHWEST MOUNTAIN REGION – SEATTLE, WASHINGTON

BROOMFIELD, COLORADO
JEFFERSON COUNTY AIRPORT

ATCT

SITE PREPARATION – SMALL TOWER VOICE SWITCH
PLAN & DETAILS

SUBMITTED BY ORIGINAL SIGNED BY: JOHN A. PETERSON PROJECT ENGINEER		APPROVED BY ORIGINAL SIGNED BY: RICHARD SOWA MANAGER: ATCT UNIT 450C4
DESIGNED BY	ISSUED BY AIRWAY FACILITIES DIVISION ANM-400	DATE 3/7/96
DRAWN BY		DRAWING NO.
CHECKED BY		NMD-601-40194-C1

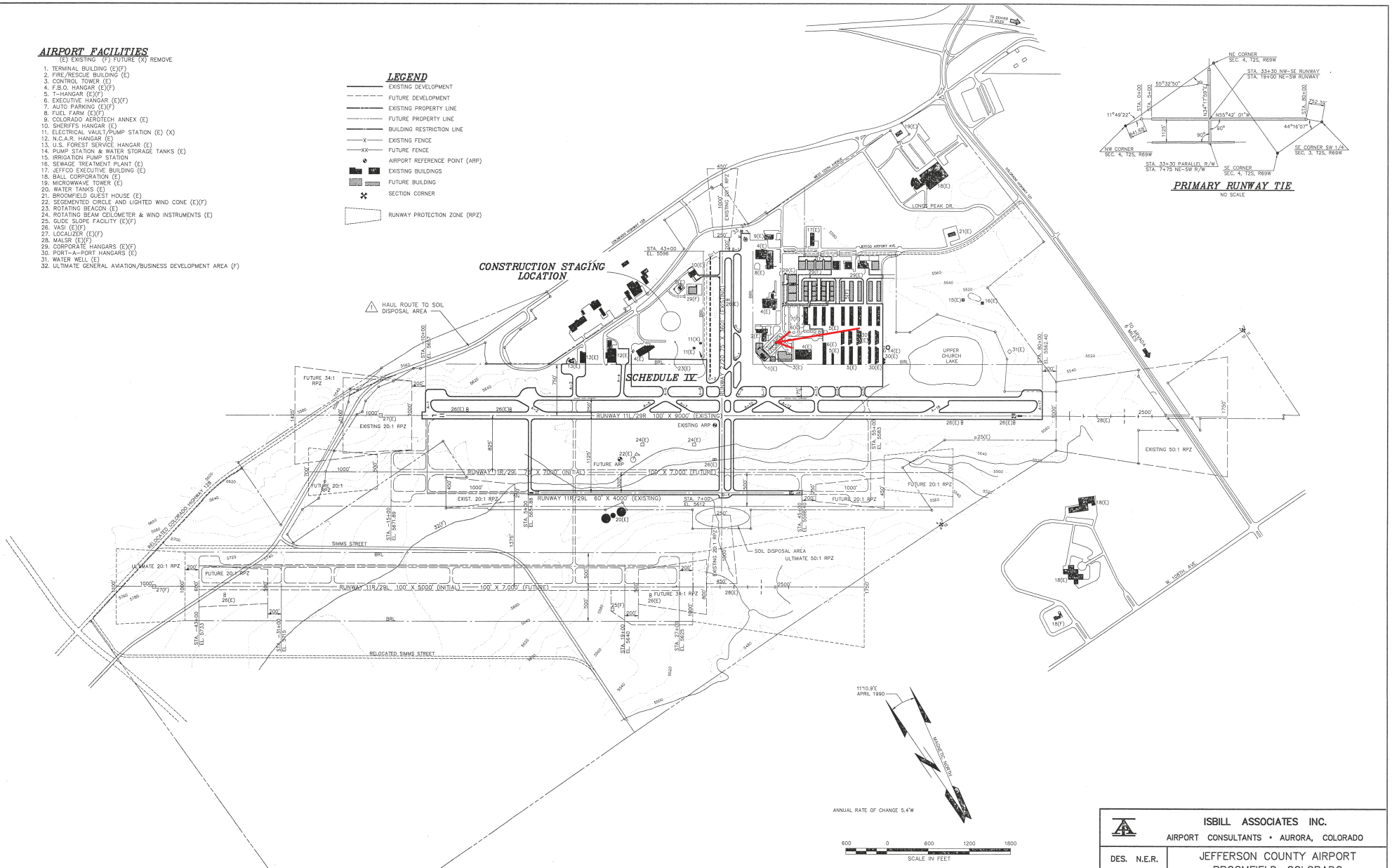
AIRPORT FACILITIES

(E) EXISTING (F) FUTURE (X) REMOVE

1. TERMINAL BUILDING (E)(F)
2. FIRE/RESCUE BUILDING (E)
3. CONTROL TOWER (E)
4. F.B.O. HANGAR (E)(F)
5. T-HANGAR (E)(F)
6. EXECUTIVE HANGAR (E)(F)
7. AUTO PARKING (E)(F)
8. FUEL FARM (E)(F)
9. COLORADO AEROTECH ANNEX (E)
10. SHERIFFS HANGAR (E)
11. ELECTRICAL VAULT/PUMP STATION (E) (X)
12. N.C.A.R. HANGAR (E)
13. U.S. FOREST SERVICE HANGAR (E)
14. PUMP STATION & WATER STORAGE TANKS (E)
15. IRRIGATION PUMP STATION
16. SEWAGE TREATMENT PLANT (E)
17. JEFFCO EXECUTIVE BUILDING (E)
18. BALL CORPORATION (E)
19. MICROWWAVE TOWER (E)
20. WATER TANKS (E)
21. BROOMFIELD GUEST HOUSE (E)
22. SEGEMENTED CIRCLE AND LIGHTED WIND CONE (E)(F)
23. ROTATING BEACON (E)
24. ROTATING BEAM CEILOMETER & WIND INSTRUMENTS (E)
25. GLIDE SLOPE FACILITY (E)(F)
26. VASI (E)(F)
27. LOCALIZER (E)(F)
28. MALSR (E)(F)
29. CORPORATE HANGARS (E)(F)
30. PORT-A-PORT HANGARS (E)
31. WATER WELL (E)
32. ULTIMATE GENERAL AVIATION/BUSINESS DEVELOPMENT AREA (F)

LEGEND

- EXISTING DEVELOPMENT
- FUTURE DEVELOPMENT
- EXISTING PROPERTY LINE
- FUTURE PROPERTY LINE
- BUILDING RESTRICTION LINE
- X — EXISTING FENCE
- XX — FUTURE FENCE
- AIRPORT REFERENCE POINT (ARP)
- EXISTING BUILDINGS
- FUTURE BUILDING
- SECTION CORNER
- RUNWAY PROTECTION ZONE (RPZ)



PRIMARY RUNWAY TIE

NO SCALE

BJC-1502	1502-ALP	A.I.P. PROJ. NO. 3-08-0006-14	
2	8/1/92	RECORD DRAWING	J.R.H.
1	8/26/91	ADDENDUM NO. ONE	H.G.I.
REV. NO.	DATE	DESCRIPTION	APP.

ISBILL ASSOCIATES INC.

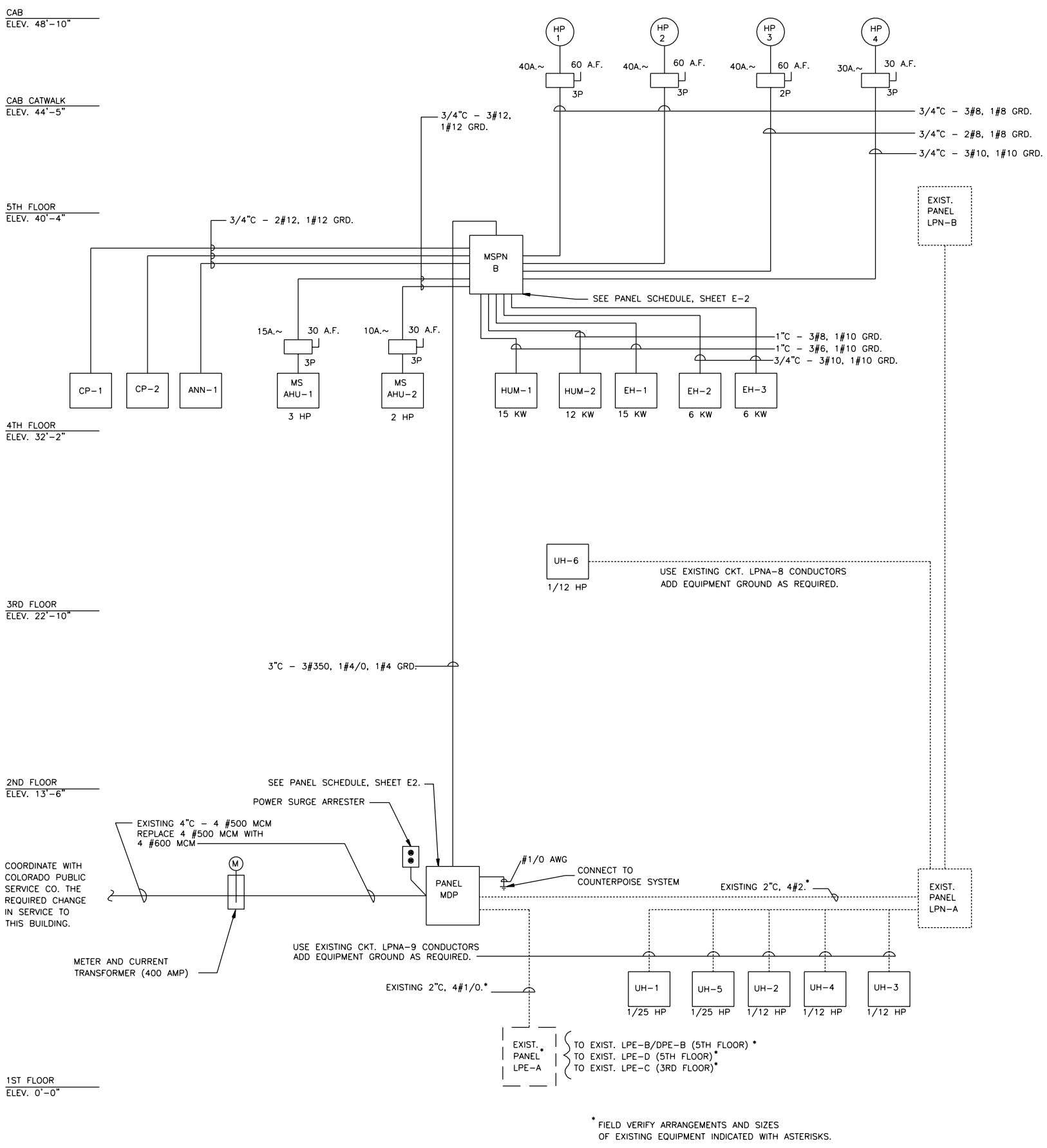
AIRPORT CONSULTANTS • AURORA, COLORADO

DES. N.E.R.
DR. D.C.C.
CH. C.J.B.
APP. H.G.I.

JEFFERSON COUNTY AIRPORT
BROOMFIELD, COLORADO

AIRPORT LAYOUT PLAN

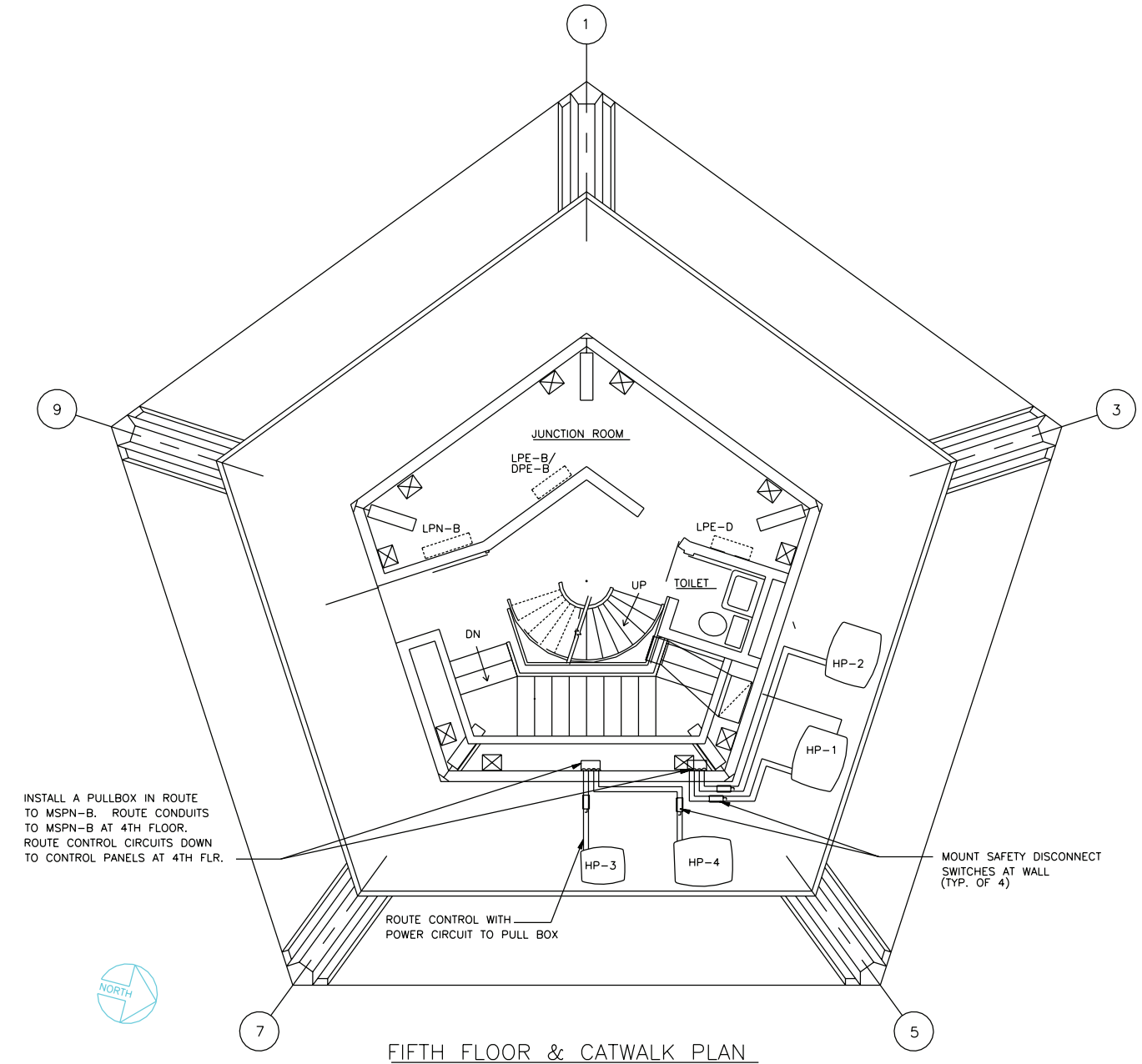
DATE AUGUST 1, 1991 SHEET 2 OF 13



* FIELD VERIFY ARRANGEMENTS AND SIZES
OF EXISTING EQUIPMENT INDICATED WITH ASTERISKS.

ELECTRICAL RISER DIAGRAM

NOT TO SCALE



FIFTH FLOOR & CATWALK PLAN

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

LEGEND

1"C, - 3#6, 1#10 GND. CIRCUIT DESIGNATION

- NO. AND SIZE OF COPPER GROUND WIRES WITH TYPE THW INSULATION
- NO. AND SIZE OF COPPER POWER WIRES WITH TYPE THW INSULATION
  COLOR: PHASE A - BLACK
  PHASE B - RED
  PHASE C - BLUE
  NEUTRAL - WHITE
  GROUND - GREEN
- SIZE OF CONDUIT. EMT INDOORS; RIGID STEEL OUTDOORS

20A.~ 30 A.F. 3P

- SAFETY SWITCH. HEAVY DUTY, FUSIBLE, NEMA 3R ENCLOSURE. MOUNT ON SUPPORTS ADJACENT TO EQUIPMENT SERVED.
- SWITCH AMP FRAME RATING
- NUMBER OF POLES
- RATING OF DUAL ELEMENT, TIME DELAY FUSE.

0 2' 4' 8' 12'

GRAPHIC SCALE (1/4" = 1'-0")

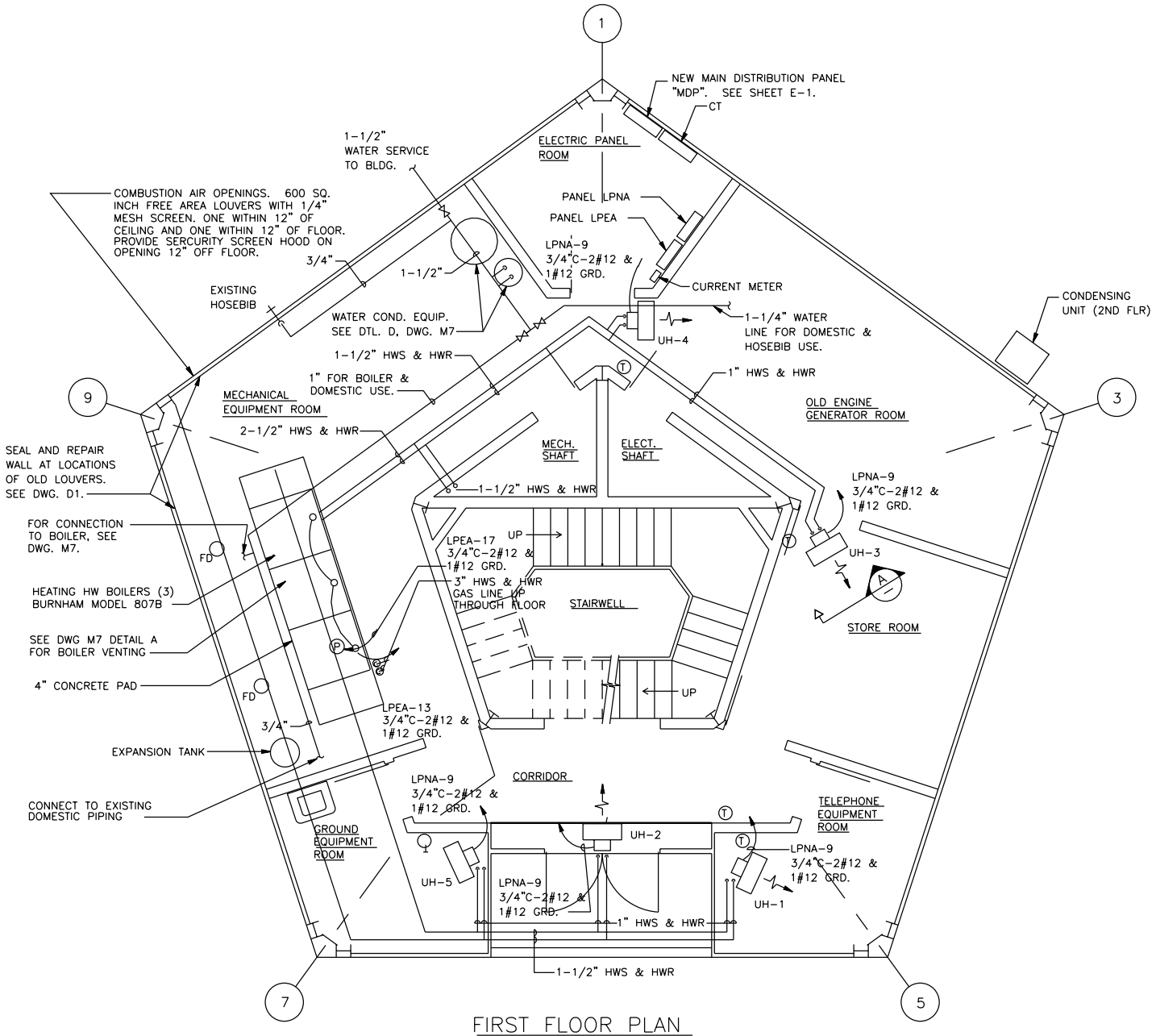
REV	DATE	DESCRIPTION	CHECK	APRV'D
A	10/4/93	AS-BUILT DWG. JON 11514 AND	CBS	SC

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NORTHWEST MOUNTAIN REGION - SEATTLE, WASHINGTON

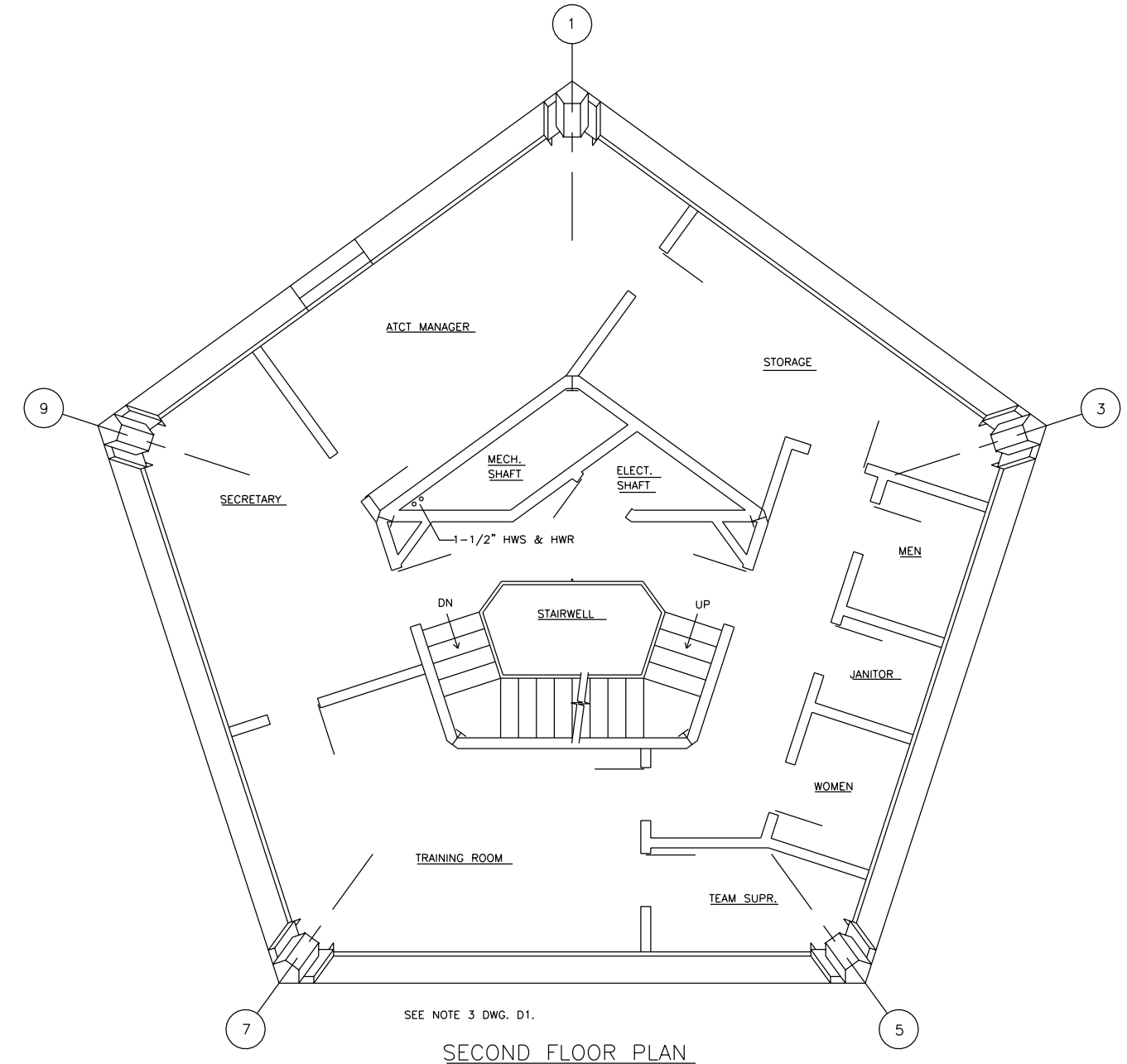
BROOMFIELD, COLORADO
JEFFERSON COUNTY AIRPORT
ATCT
LEGEND AND ELECTRICAL RISER DIAGRAM

REVIEWED BY		SUBMITTED BY		APPROVED BY
	456M1	ORIGINAL SIGNED BY GARY GLENISKY		ORIGINAL SIGNED BY ROBERT SEATAK
	460	ATCT LEAD ENGINEER		SUPV: RAD/AUTO CONST. ENGR'G SECT.
	DEN AFS	DESIGNED KLW	ISSUED BY AIRWAY FACILITIES DIVISION ANM-400	DATE 12/2/91
	BJC ATCT	DRAWN KLW		DRAWING NO. NMD- 601-40194-E1
	510	CHECKED		

AND 10/2/1993



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

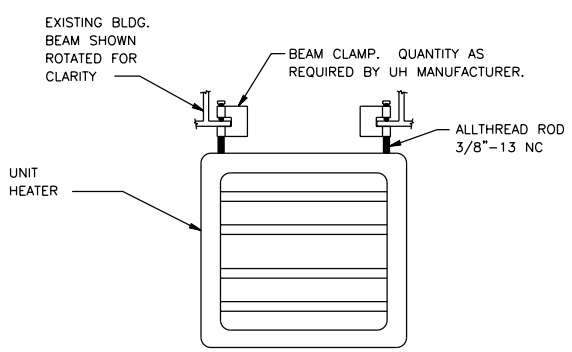


SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH

NOTES:

SEE SHEET E-1 FOR ELECTRICAL RISER DIAGRAM.
SEE SHEET M-4 FOR EQUIPMENT SCHEDULE.



UH INSTALLATION (A)
NOT TO SCALE

0 2' 4' 8' 12'
GRAPHIC SCALE (1/4" = 1'-0")

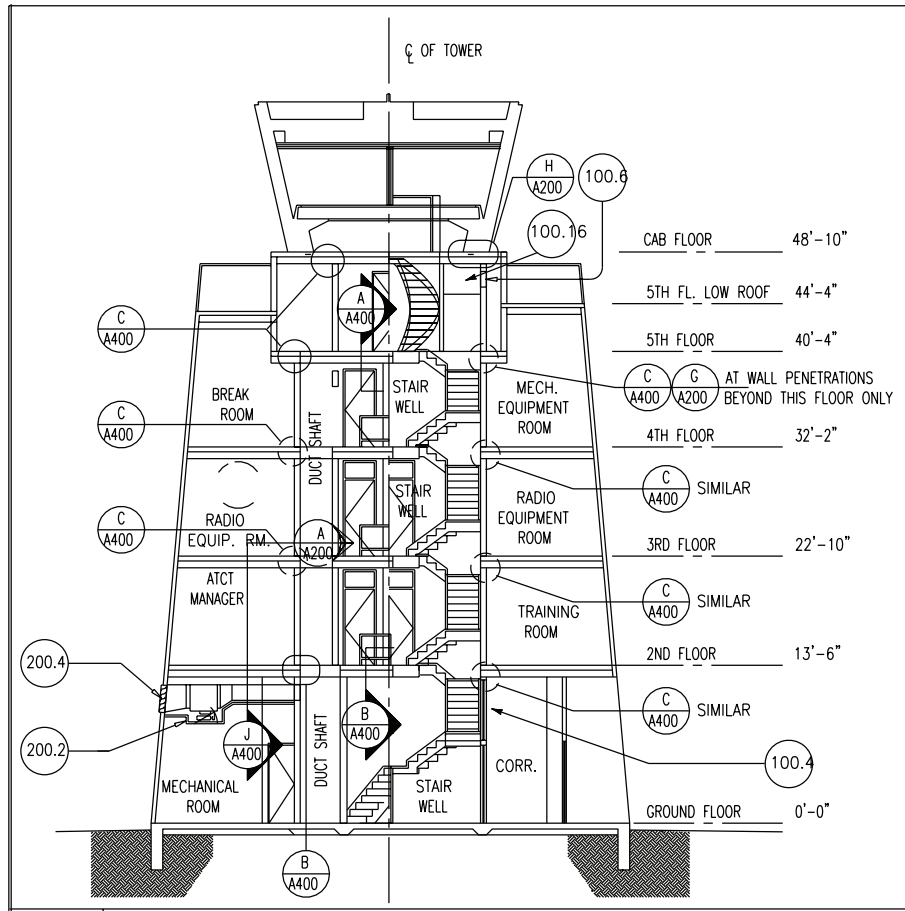
REV	DATE	DESCRIPTION	CHECK	APR'D
A	10/4/93	AS-BUILT DWG. JON 11514 AND	CBS	SC

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NORTHWEST MOUNTAIN REGION – SEATTLE, WASHINGTON

BROOMFIELD, COLORADO
JEFFERSON COUNTY AIRPORT
ATCT
HVAC PLAN
FIRST & SECOND FLOORS

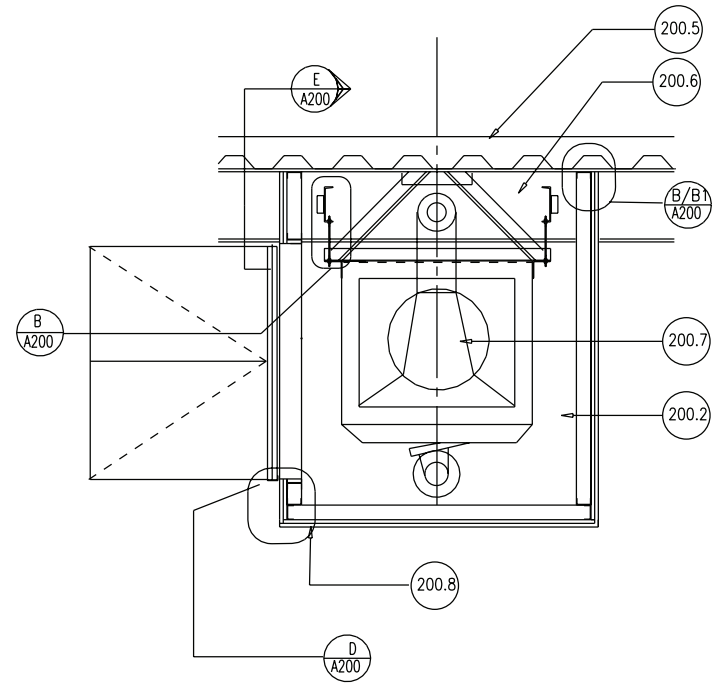
REVIEWED BY	SUBMITTED BY ORIGINAL SIGNED BY GARY GLENISKY		APPROVED BY ORIGINAL SIGNED BY ROBERT SEATAK
456M1			
460	ATCT LEAD ENGINEER		SUPV: RAD/AUTO CONST. ENGR'G SECT.
DEN AFS	DESIGNED KLW	ISSUED BY AIRWAY FACILITIES DIVISION ANM-400	DATE 12/2/91
BJC ATCT	DRAWN KLW		DRAWING NO. NMD-601-40194-M1
510	CHECKED		

AND 9/29/1993



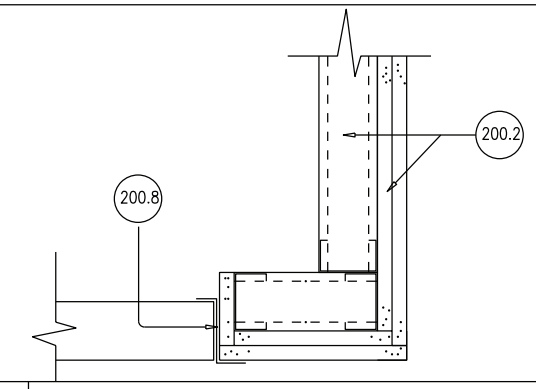
1 TOWER SECTION

A200 SCALE: 1/8" = 1'-0"



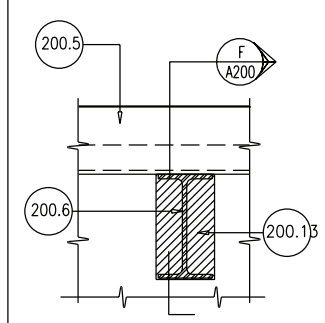
A DUCT ENCLOSURE DETAIL

A200 SCALE 3/4"=1'-0"



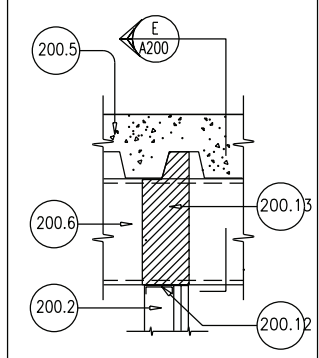
D DETAIL

A200 SCALE 3"=1'-0"



E DETAIL

A200 SCALE 1 1/2"=1'-0"



F DETAIL

A200 SCALE 1 1/2"=1'-0"

KEYED NOTES

200.1 NOVASTIK K-10 FIRESTOP MORTAR MFD. BY FIRESHIELD IN SPACES BETWEEN MASONRY WALLS AND STEEL FLOOR BEAMS.

200.2 FIRE-RATED DUCT ENCLOSURE, 2 LAYERS OF 5/8" FIRECODE GYPSUM BOARD OVER 2 1/2" METAL CHANNELS. PROVIDED ACCESS PANEL AT FAN.

200.3 "BIOTHERM 100" FIRESTOP SEALANT MFD. BY FIRESHIELD AT ALL PENETRATIONS THROUGH THE CAB FLOOR, 1/2" MINUMUM THICKNESS.

200.4 DUCT CONNECTION - SEE DETAILS G SHEET A300.

200.5 CONCRETE SLAB ON METAL DECK.

200.6 STEEL BEAM BEYOND.

200.7 SUPPLY AIR FAN. SEE MECHANICAL DRAWINGS.

200.8 3'-0" X 3'-0" X 20 GA. GALV. STEEL FRAME MFG. BY CESCO PRODUCTS.

200.9 MINERAL/CERAMIC WOOL FILLER MFD. BY FIRESHIELD.

200.10 BIO-FIRESHIELD FIRESTOP SEALANT MFD. BY FIRESHIELD

200.11 RECEPTOR METAL CHANNEL (CEILING TRACK).

200.12 METAL RUNNER.

200.13 BIO-FIRESHIELD FIRESTOP MORTAR MFD. BY FIRESHIELD.

200.14 6" C.M.U. WALL.

200.15 2"x2"x1/4" ANGLE

200.16 3'x 2 1/2" x 1/4" ANGLE CLIP OR CONTINOUS, OR AS REQUIRED BY EQUIPMENT

200.17 C6x10.5

200.18 BEVELED WASHER.

200.19 1/4" DIA. ALL THREAD, DOUBLE NUT W/ LOCKING NUTS

200.20 NOT USED.

200.21 NOT USED.

200.22 CONSOLE.

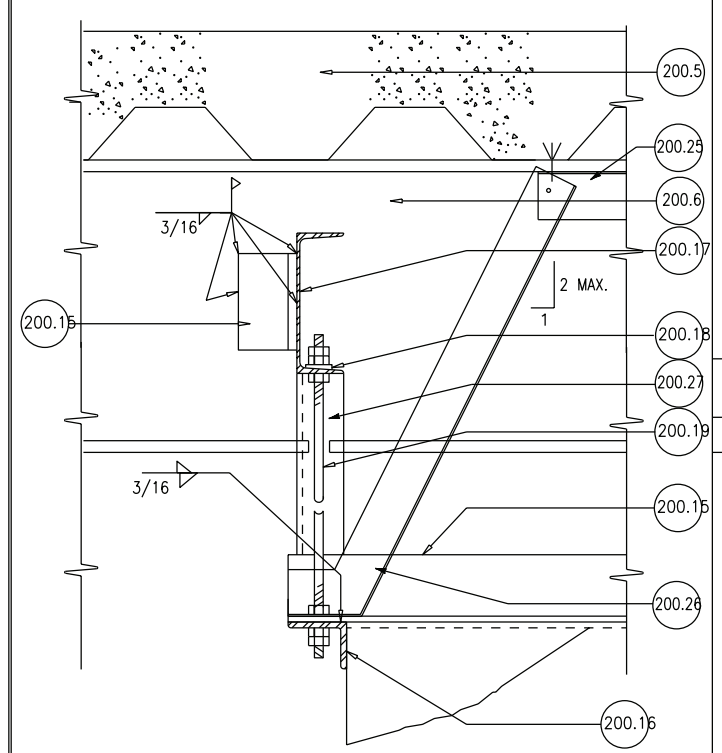
200.23 PACKED VOID WITH MINIMUM OF 4" THICKNESS OF MINERAL/CERAMIC WOOL FILLER RECESSED 1/2" FROM SURFACE.

200.24 CAB FLOOR.

200.25 2 x 2 x 1/4 x 12" LONG CLIP ANGLE EXPANSION BOLTED TO DECK W/ TWO 1/4] BOLTS.

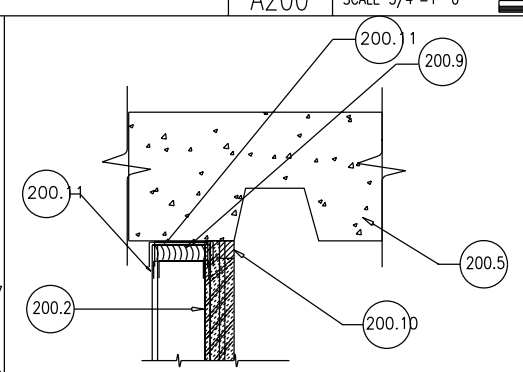
200.26 1 1/2 x 1 1/2 x 1/4 ANGLE SEISMIC BRACING TYPICAL OF FOUR.

200.27 SEISMIC BRACE BEYOND.



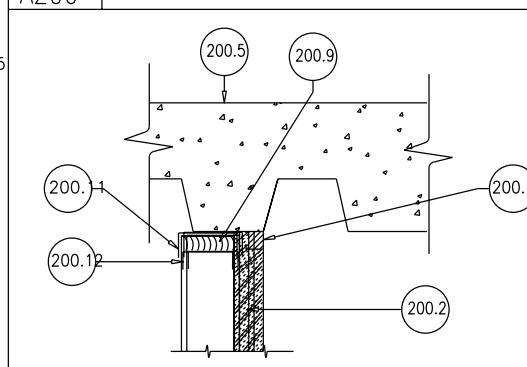
B DETAIL

A200 SCALE 3"=1'-0"



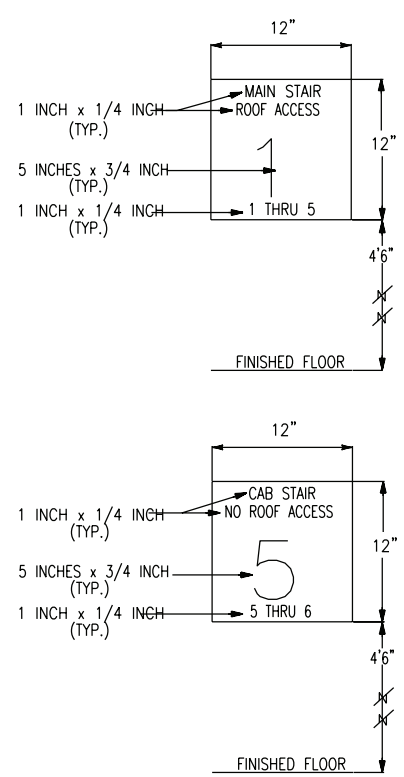
B-1 DETAIL

A200 SCALE 3"=1'-0"



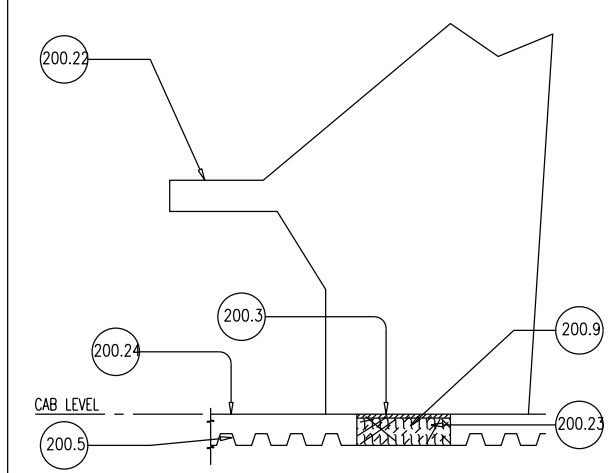
B-2 DETAIL

A200 SCALE 3"=1'-0"



C SIGN DETAILS

A200 SCALE: 1 1/2"=1'-0"



H FIRE STOP DETAIL

A200 SCALE 1"=1'-0"

SITE ADAPTATION BY:

REDCON
RESOURCE DATA CONSULTANTS
655 East Medical Dr. Suite 150
Bountiful, Ut. 84010

STATE OF UTAH — WILLIAM J. BONN III — NO. 1110 — LICENSED ARCHITECT

DMJM
ROLF JENSEN & ASSOCIATES, INC

DANIEL, MANN, JOHNSON & MENDENHALL
ARCHITECTS & ENGINEERS
300 EAST 42 STREET, NEW YORK, N.Y. 10017

FIRE PROTECTION ENGINEERS
3040 WILLIAMS DRIVE, FAIRFAX, VA. 22031

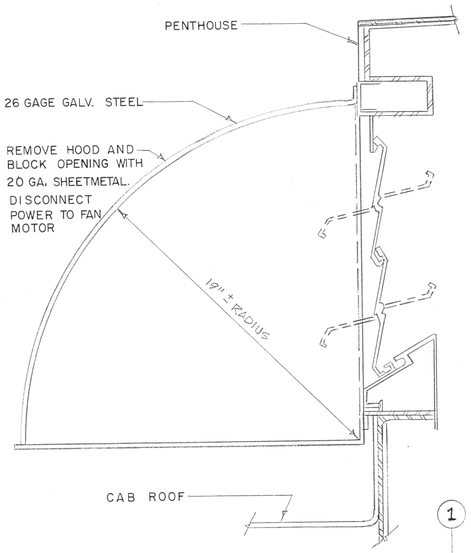
REV	DATE	DESCRIPTION	CHECK	APRV'D
A	9-28-93	PROJECT RECORD DRAWING (02509)	ET	GP

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
NORTHWEST MOUNTAIN REGION - SEATTLE, WASHINGTON

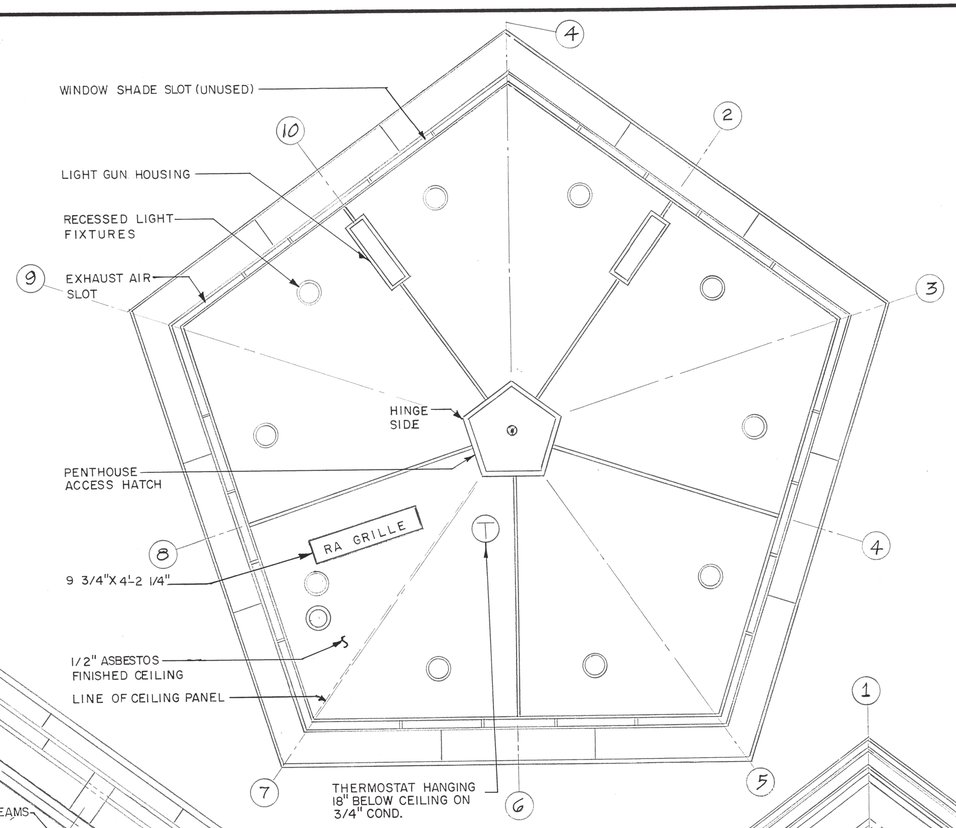
BROOMFIELD, COLORADO
JEFFERSON CO. AIRPORT
ATCT
FIRE ABATEMENT PROGRAM
TOWER SECTION AND DETAILS

REVIEWED BY	SUBMITTED BY ORIGINAL SIGNED BY		APPROVED BY ORIGINAL SIGNED BY
	POWELL R. LINDERWOOD		R. SESTAK
	DESIGNED: BB	ISSUED BY AIRWAY FACILITIES DIVISION ANM-400	DATE 7-26-91
	DRAWN: ETM		DRAWING NO.
	CHECKED: BB		NMD-BJC-ATCT-FP-A200

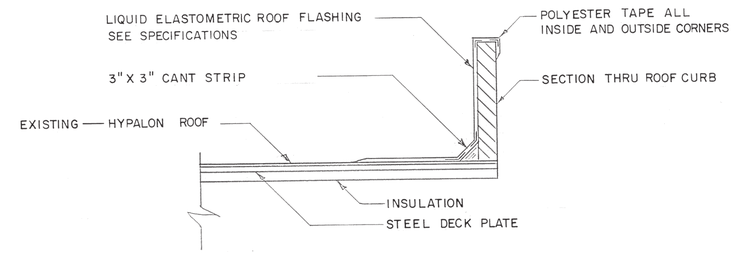
BJCA200A



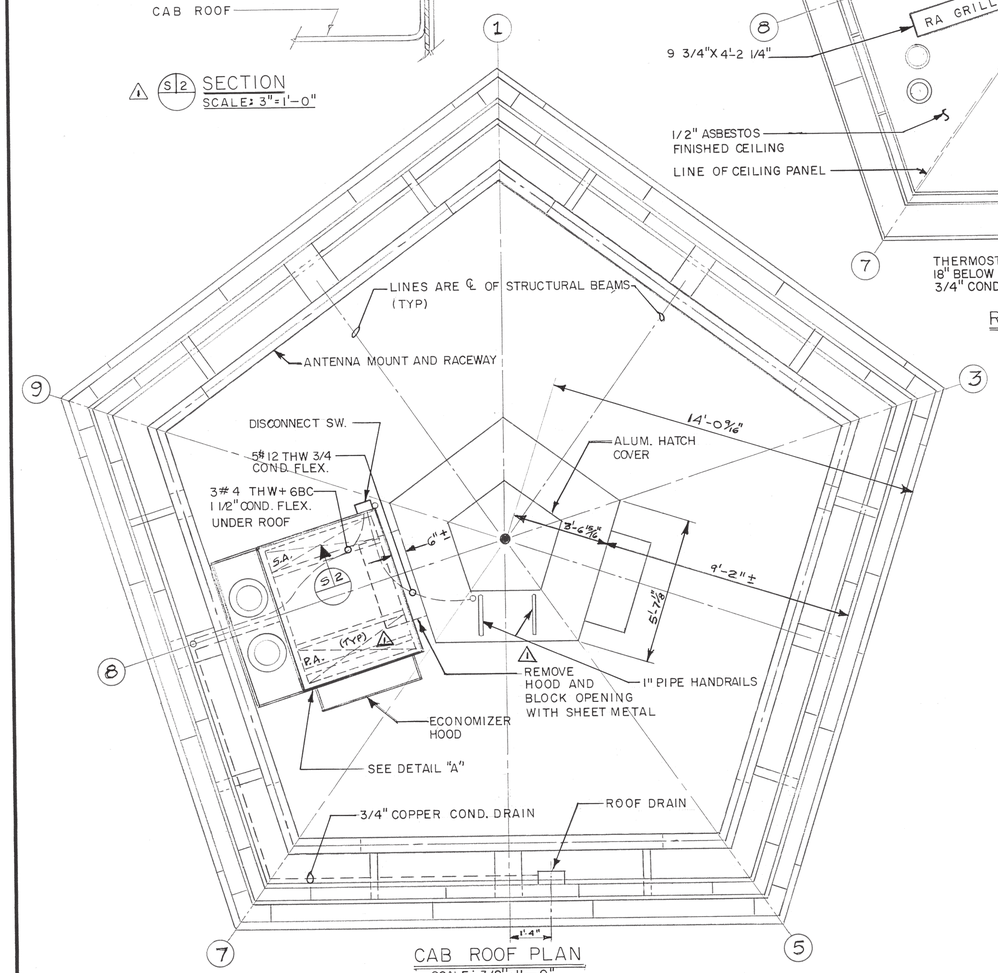
1 S/2 SECTION
SCALE: 3"=1'-0"



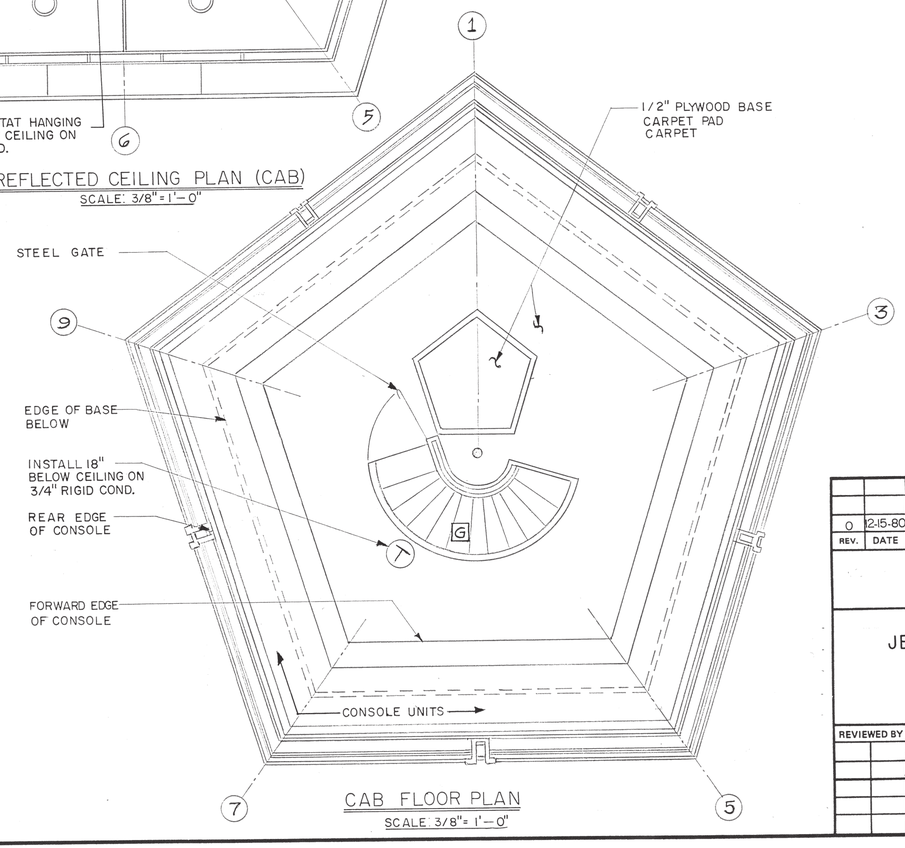
REFLECTED CEILING PLAN (CAB)
SCALE: 3/8"=1'-0"



DETAIL-"A"
NOT TO SCALE



CAB ROOF PLAN
SCALE: 3/8"=1'-0"



CAB FLOOR PLAN
SCALE: 3/8"= 1'-0"

REV.	DATE	DESCRIPTION	AS-BUILT	CHECKED	APPROVED
0	12-15-80	RECORD DWG. (D-8030)	JHB 9-24-80		

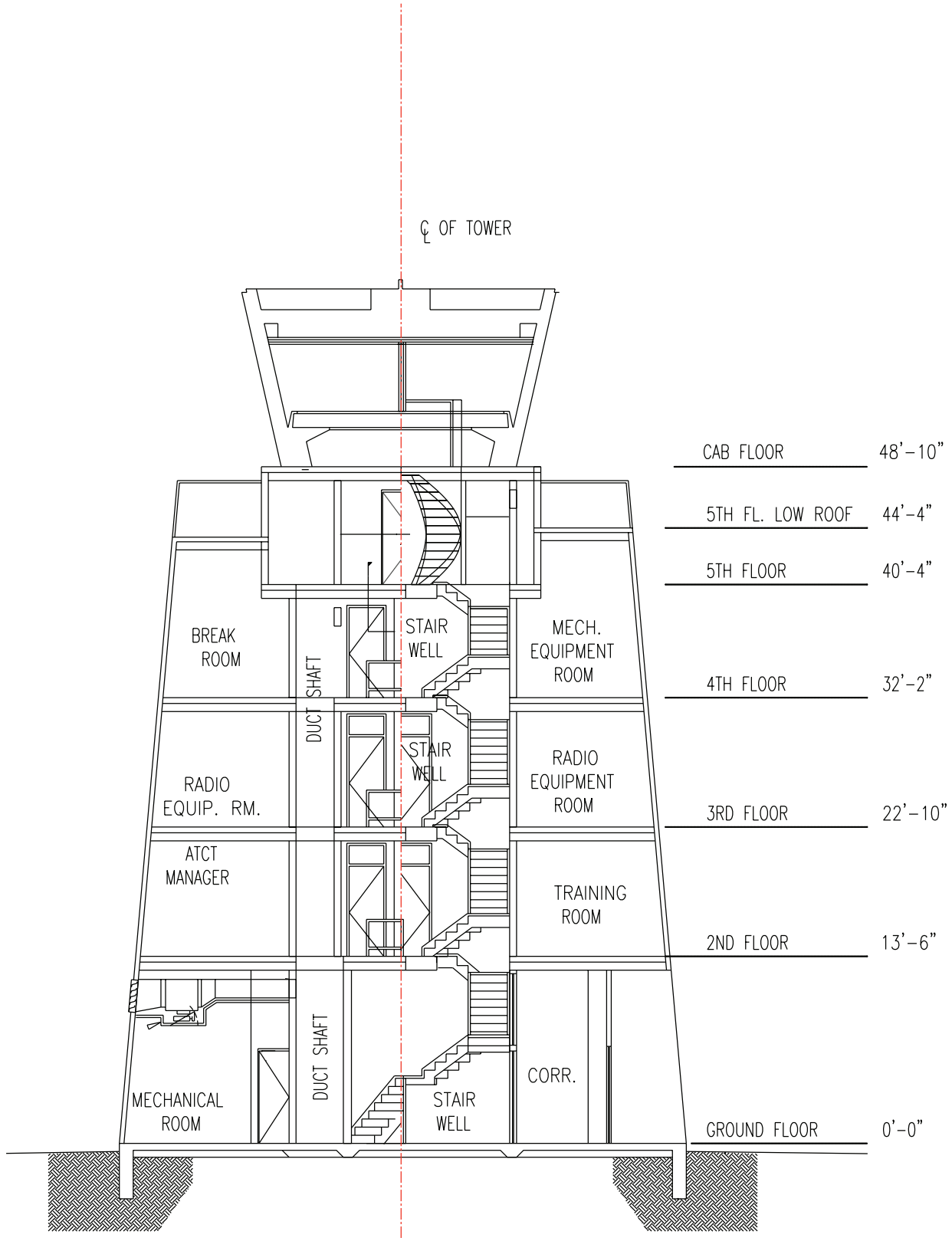
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ROCKY MOUNTAIN REGION - DENVER COLO.

BROOMFIELD, COLORADO
JEFFERSON COUNTY AIRPORT
ATCT
ROOFTOP A/C
PLAN & SECT.

REVIEWED BY	SUBMITTED BY	APPROVED BY
	Allen D. Wagner	David W. Cain
	CHIEF: ELEC/MECH ENG'R SECTION	CHIEF: ENGINEERING BRANCH

DESIGNED BY	GV	DATE	DR.RM-D-601-40194-10A
DRAWN BY		7-28-80	
CHECKED BY			

☆U.S. GOVERNMENT PRINTING OFFICE: 1980-677-258



TOWER SECTION

Not to scale

For general information about original layout

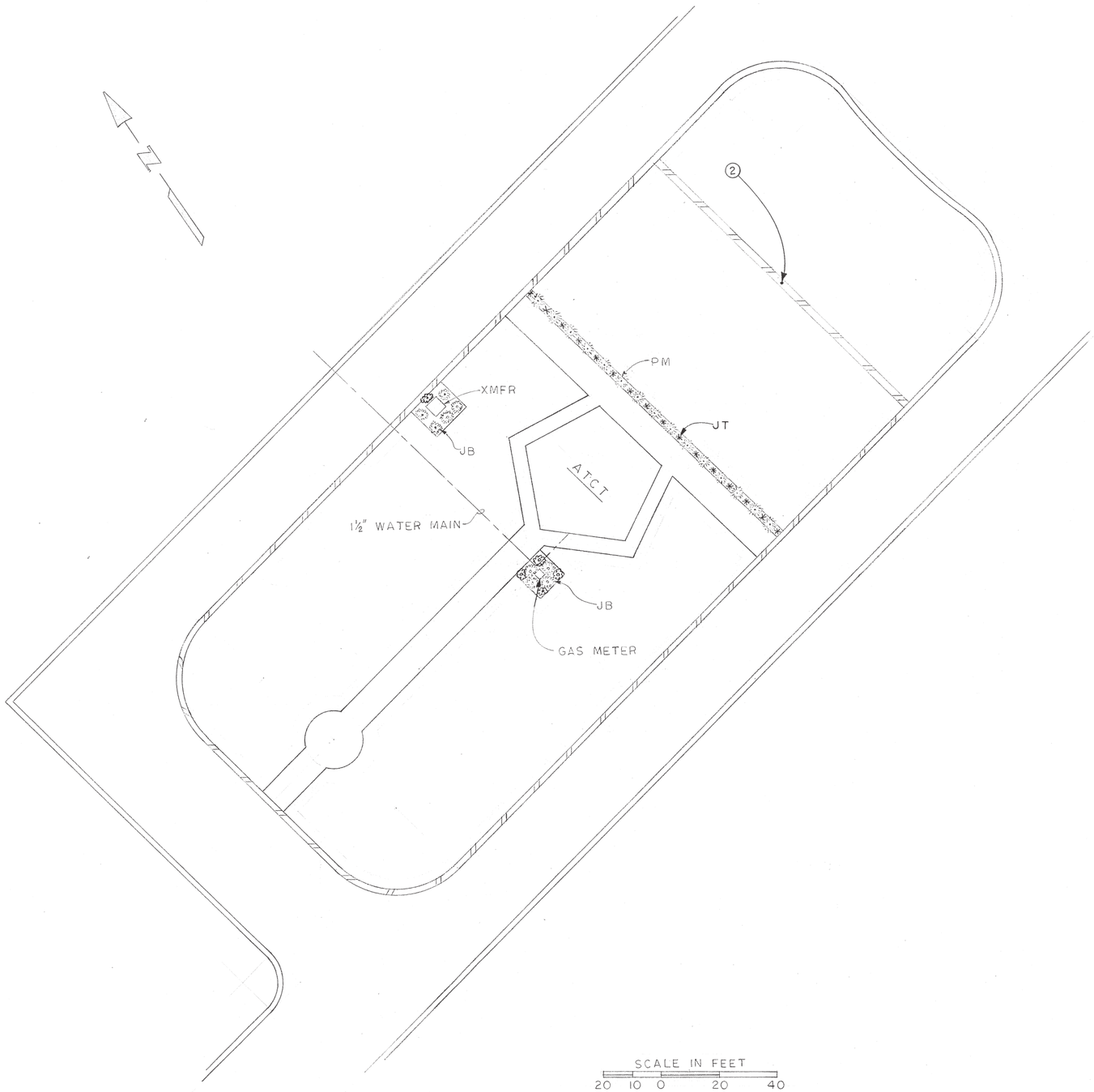
REV	DATE	DESCRIPTION	CHECK	APRV'D

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SEATTLE IMPLEMENTATION CENTER - SEATTLE, WASHINGTON

SECTION VIEW OF TOWER

BROOMFIELD CO

REVIEWED BY	SUBMITTED BY		APPROVED BY	
	SUBMITTED		APPROVED	
	DESIGNED:	ISSUED BY AIRWAY FACILITIES DIVISION	DATE:	JCN:
	DRAWN:		DRAWING NO.	REV
	CHECKED:			



PLANTING KEY

KEY	BOTANICAL NAME	COMMON NAME	SIZE	QUAN.
JB	JUNIPERUS SCOPULORUM	HILLBORN JUNIPER	48"-54"	14
PM	PINUS MUGHO MUGHUS	MUGHO PINE	18"-24"	15
JT	——	TAMARIX JUNIPER	18"-24"	14

LEGEND:

- SHRUBS
- TREES
- LAWN AREA
- SPRINKLER BOUNDARY

NOTES

1. EDGE BETWEEN PLANTING BEDS AND LAWN AREAS IS TRIMMED WITH STANDARD 4" GALVANIZED STEEL LAWN EDGING.
2. 3/4" HOSE BIB W/INDEPENDENT CONTROL.

NO.	REVISION	BY	DATE	CHECKED
1	AS BUILT MADE REC. DR.	JLS	7/27/67	J.L.

REVIEWED BY: RHS 442

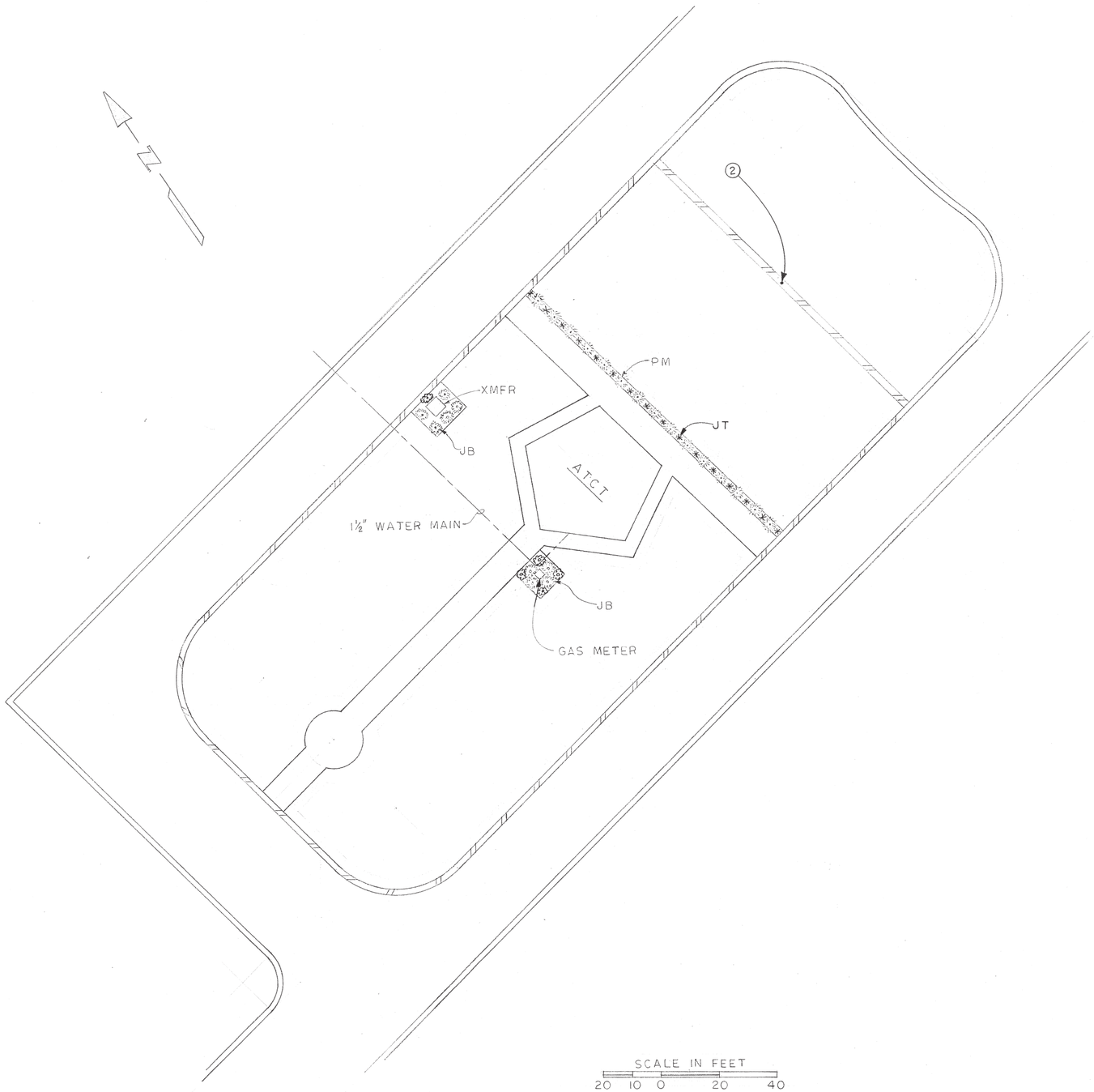
FEDERAL AVIATION AGENCY
DENVER AREA OFFICE
AIRWAY FACILITIES BRANCH — WESTERN REGION

BROOMFIELD COLORADO
JEFFERSON COUNTY AIRPORT
A T C T
LANDSCAPING

DESIGNED R.N. — DRAWN JAV — TRACED — CHECKED
SUBMITTED BY: CHIEF: DEN 440 ACTG
APPROVED BY: CHIEF: DEN 400
RECORD DR. AS OF 7-27-67 — DATE 2-1-67 — DR. WE-D- 400-40194-1A

CHANGED No. FROM 000-601

GPO 853-876



PLANTING KEY

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1. EDGE BETWEEN PLANTING BEDS AND LAWN AREAS IS TRIMMED WITH STANDARD 4" GALVANIZED STEEL LAWN EDGING.
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NO.	REVISION	BY	DATE	CHECKED
1	AS BUILT MADE REC. DR.	JLS	7/27/67	J.L.

REVIEWED BY: RHS 442

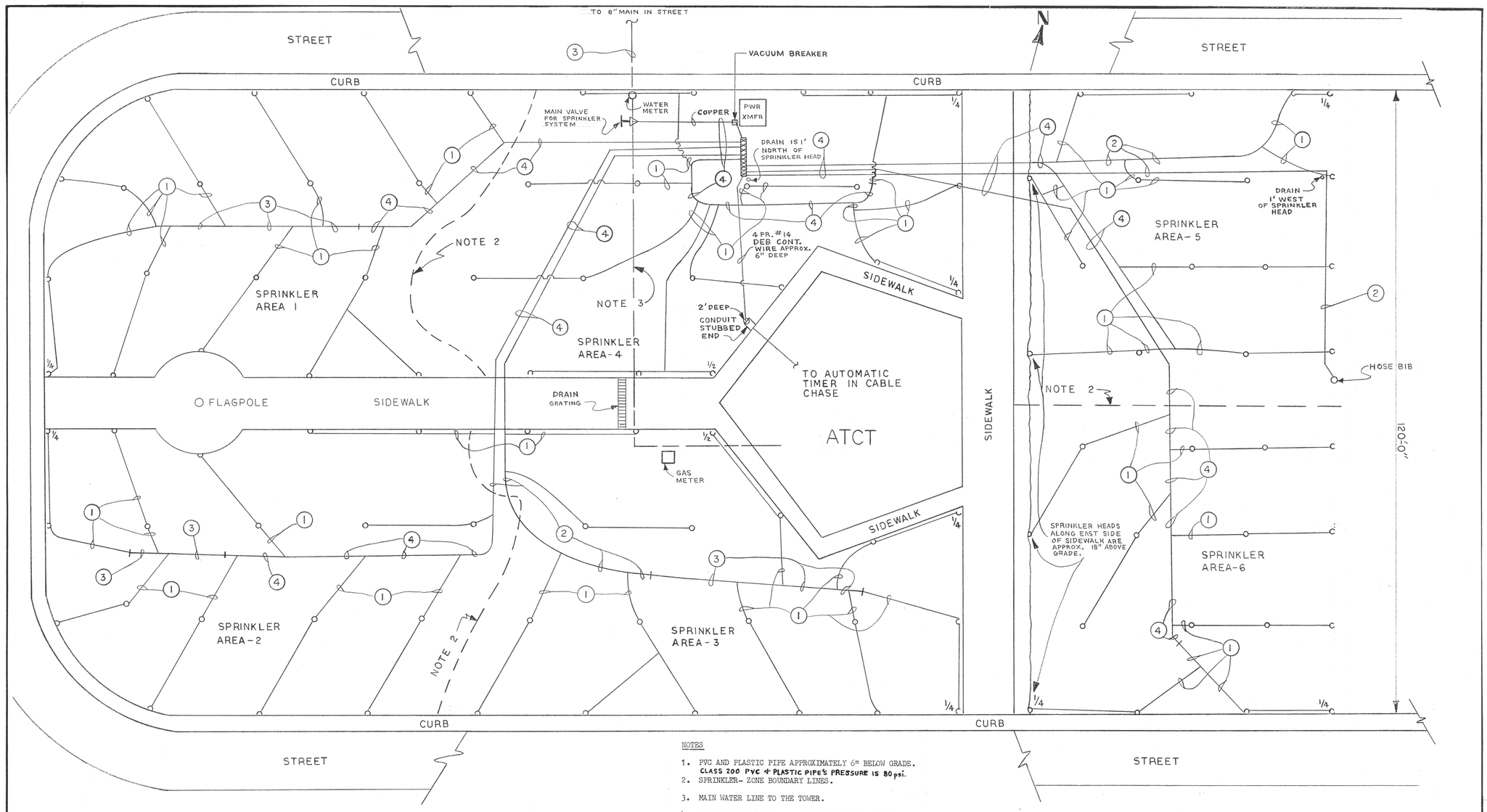
FEDERAL AVIATION AGENCY
DENVER AREA OFFICE
AIRWAY FACILITIES BRANCH — WESTERN REGION

BROOMFIELD COLORADO
JEFFERSON COUNTY AIRPORT
A T C T
LANDSCAPING

DESIGNED R.N. — DRAWN JAV — TRACED — CHECKED
SUBMITTED BY: CHIEF: DEN 440 ACTG
APPROVED BY: CHIEF: DEN 400
RECORD DR. AS OF 7-27-67 — DATE 2-1-67 — DR. WE-D- 400-40194-1A

CHANGED No. FROM 000-601

GPO 853-876



NOTES

1. PVC AND PLASTIC PIPE APPROXIMATELY 6" BELOW GRADE. CLASS 200 PVC & PLASTIC PIPE'S PRESSURE IS 80 psi.
2. SPRINKLER- ZONE BOUNDARY LINES.
3. MAIN WATER LINE TO THE TOWER.
4. INSTALLATION MADE BY THEISEN SPRINKLER COMPANY
   8775 W. 108th AVENUE
   BROOMFIELD, COLORADO

PIPE SIZES

(1) 3/4" PIPE.
(2) 1" PIPE.
(3) 1-1/2" PIPE.
(4) 2" PIPE

LEGEND

O FULL SPRINKLER HEAD, 360° COVERAGE.
∩ 1/2 SPRINKLER HEAD, 180° COVERAGE.
⊃ 1/4 SPRINKLER HEAD, 90° COVERAGE.

SCALE IN FEET
0 5 10 20 30

NO.	REVISION	BY	DATE	CHECKED
1	AS BUILT MADE REC. DR.	JLS	7-27-67	

REVIEWED BY: 442

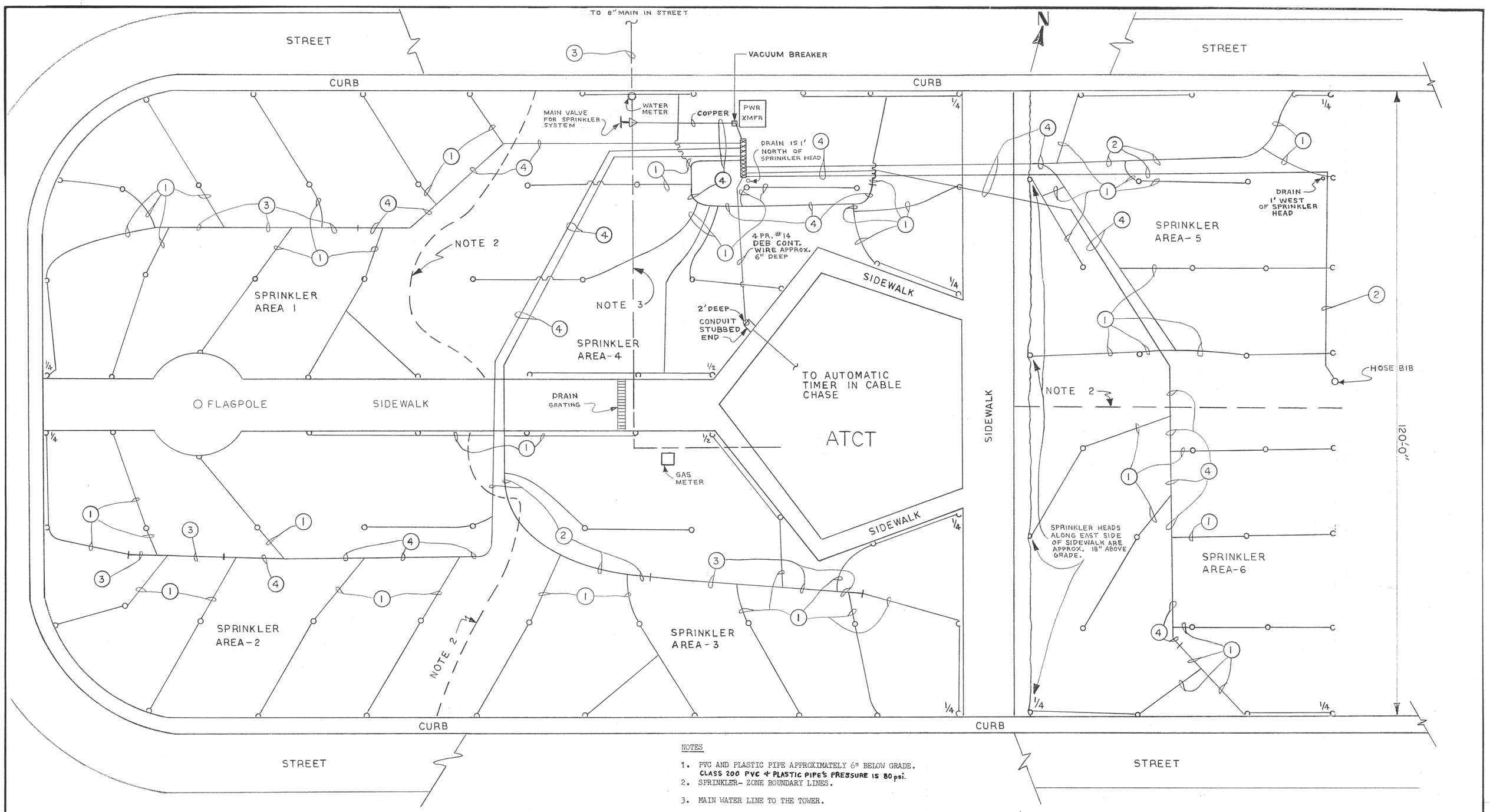
FEDERAL AVIATION AGENCY
DENVER AREA OFFICE
AIRWAY FACILITIES BRANCH — WESTERN REGION

BROOMFIELD, COLORADO
JEFFERSON COUNTY AIRPORT
ATCT
SPRINKLER LAYOUT

DESIGNED: JT | DRAWN: TONY LOPEZ | TRACED | CHECKED
SUBMITTED BY: CHIEF PLANTS & STRUCTURES ENG. SEC.
APPROVED BY: CHIEF AIRWAY FACILITIES BRANCH
RECORD DR. AS OF: 7-27-67 | DATE: 7-27-67 | DR. WE-D- 400-40194-1B

GPO 853-876

CHANGED NO. FROM 000-601



NOTES

1. PVC AND PLASTIC PIPE APPROXIMATELY 6" BELOW GRADE.
   CLASS 200 PVC & PLASTIC PIPE'S PRESSURE IS 80 psi.
2. SPRINKLER- ZONE BOUNDARY LINES.
3. MAIN WATER LINE TO THE TOWER.
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   8775 W. 108th AVENUE
   BROOMFIELD, COLORADO

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LEGEND

0 FULL SPRINKLER HEAD, 360° COVERAGE.
∩ 1/2 SPRINKLER HEAD, 180° COVERAGE.
⌐ 1/4 SPRINKLER HEAD, 90° COVERAGE.

SCALE IN FEET
0 5 10 20 30

NO.	REVISION	BY	DATE	CHECKED
1	AS BUILT MADE REC. DR.	JLS	7-27-67	J.L.

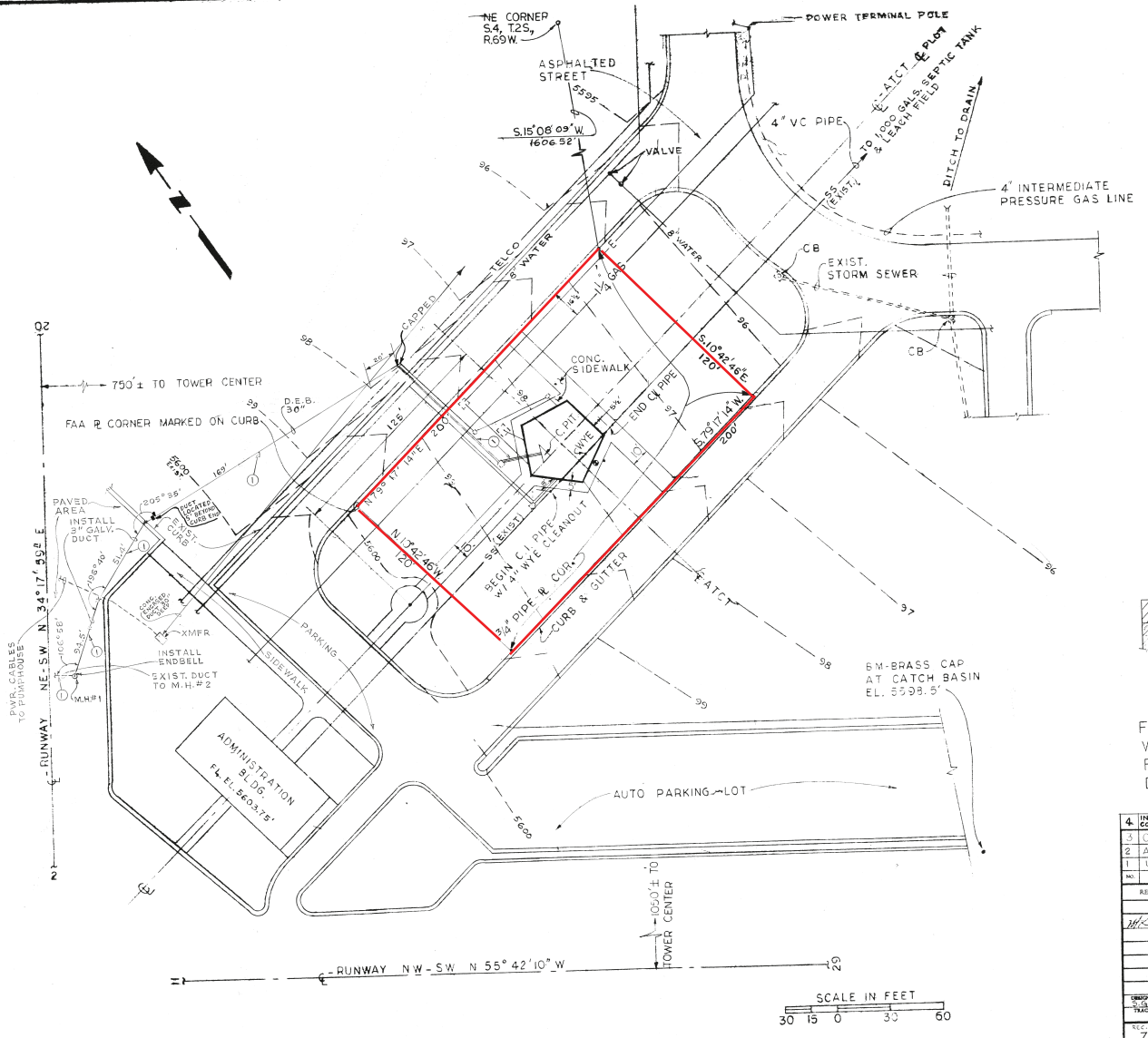
REVIEWED BY: 442

FEDERAL AVIATION AGENCY
DENVER AREA OFFICE
AIRWAY FACILITIES BRANCH — WESTERN REGION

BROOMFIELD, COLORADO
JEFFERSON COUNTY AIRPORT
ATCT
SPRINKLER LAYOUT

DESIGNED: JT — DRAWN: TONY LOPEZ — TRACED — CHECKED
SUBMITTED BY: CHIEF PLANTS & STRUCTURES ENG. SEC.
APPROVED BY: CHIEF AIRWAY FACILITIES BRANCH
RECORD DR. AS OF: 7-27-67 — DATE: 7-27-67 — DR. WE-D- 400-40194-1B

GPO 853-876



GENERAL NOTES

OWNER: JEFFERSON COUNTY, COLORADO

LOCATION: NE¼4, SECT. 4, T2S, R69W, 6TH P.M.

LATITUDE: 39° 54' 35" N

LONGITUDE: 105° 06' 38" W

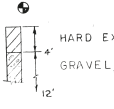
ELEVATION: 5559.5 MSL

POWER: PUBLIC SERVICE CO. OF COLORADO

GAS: PUBLIC SERVICE CO. OF COLORADO

TELCO: MOUNTAIN STATES TELEPHONE AND TELEGRAPH

WATER: CITY OF BROOMFIELD, COLORADO



FOR ENLARGED UTILITY PLAN
WE-R-601-40194-ME-1
FOR SPRINKLER LAYOUT SEE
DR. WE-D-000-601-40194-1B

NO.	REVISION	BY	DATE	CHECKED
4	INSTL. ONE 26 PR. CONT. CABLE & ONE 12 CONDUCTOR FIELD LIGHTING CABLE & MADE RECORD DR.	JLS	7-27-67	
3	CHNG. PROP. TIE & PLOT SIZE	BZ	1-31-67	
2	ADDED CONT. CABLE FROM ATCT TO M.H. #1	C.W.	7-8-66	
1	UPDATED PLOT PLAN + UTILITY PLAN	J.S.	2-1-66	

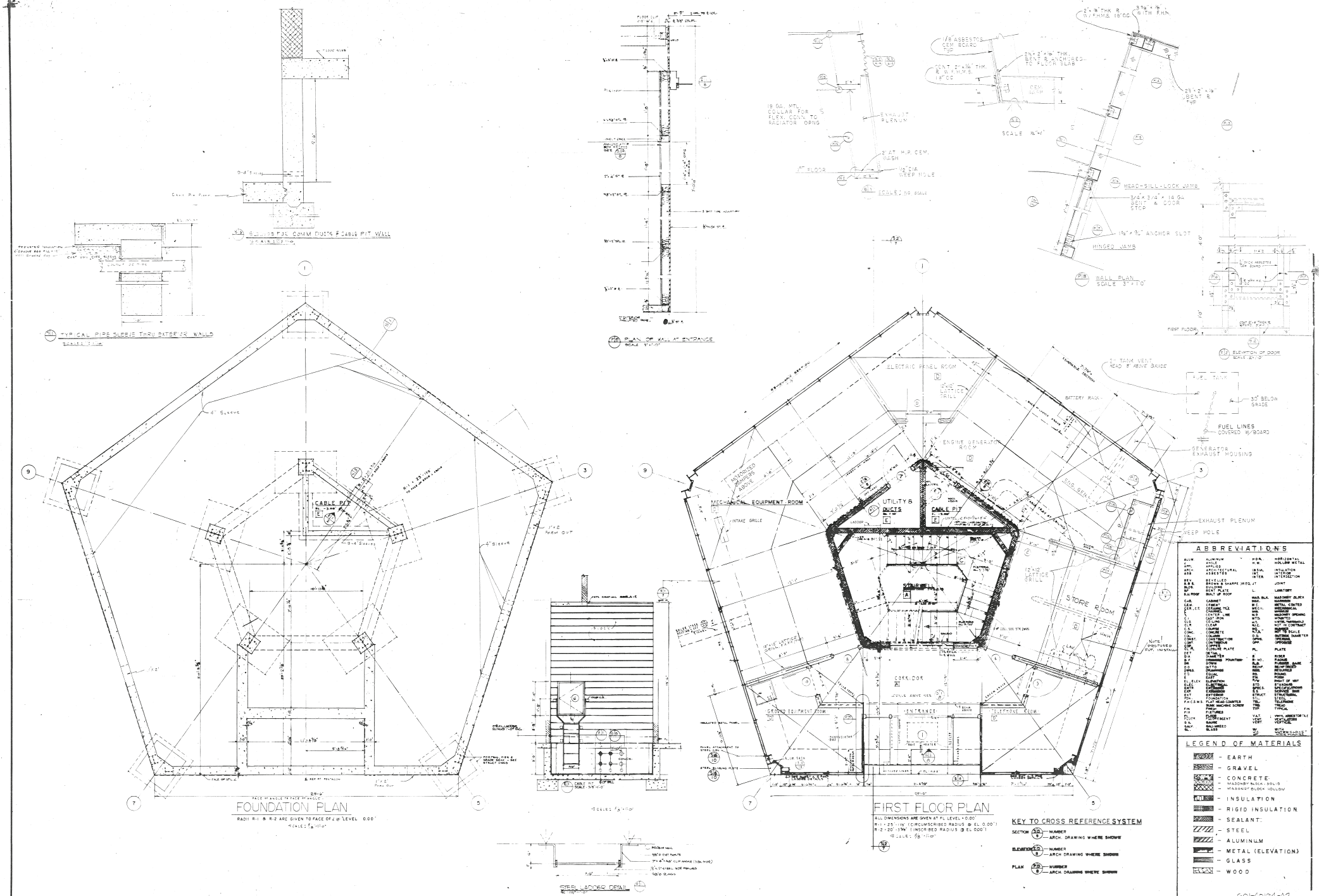
REVIEWED BY
DEN 442
DEN 430

FEDERAL AVIATION AGENCY
INSTALLATION AND MATERIEL DIVISION
WESTERN REGION — LOS ANGELES 9, CALIF.

BROOMFIELD, COLORADO
JEFFERSON COUNTY AIRPORT
ATCT
PLOT PLAN

DESIGNED: S.A.F. DRAWN: J.A.V. TRACED: CHECKED:
SUBMITTED BY: CHIEF, DEN 440
APPROVED BY: CHIEF, DEN 400

REC. DR. AS OF 7-27-67 | DATE 2-1-65 | DR. WE-D-601-40194-1



ABBREVIATIONS

ALUM.	ALUMINUM	H.D.R.	HORIZONTAL HOLLOW METAL
APPL.	APPLIED	H.M.	
ARCH.	ARCHITECTURAL	INSUL.	INSULATION
ASB	ASBESTOS	INT.	INTERIOR
		INTER.	INTERSECTION
BEV.	BEVELLED		
B.& S.	BROWN & SHARPE	JRFQ.JT	JOINT
BLDG.	BUILDING		
BP.	BENT PLATE	L.	LAVATORY
B.U.ROOF	BUILT UP ROOF		
CAB.	CABINET	MAS. BLK.	MASONRY BLOCK
CEM.	CEMENT	MAS.	MASONRY
CER.C.T.	CERAMIC TILE	M.C.	METAL COATED
CL.	CLEAR	MECH.	MECHANICAL
C.	CENTER-LINE	MIN.	MINIMUM
C.I.	CAST IRON	M.O.	MASONRY OPENING
CLG.	CEILING	MTD.	MOUNTED
CLR.	CLEAR	MTL.	METAL
CL.	CLAMP	N.I.C.	NOT IN CONTRACT
CONC.	CONCRETE	N.T.S.	DO NOT SCALE
COL.	COLUMN	O.D.	OUTSIDE DIAMETER
CONST.	CONSTRUCTION	OPNG.	OPENING
CONT.	CONTINUOUS	OPP.	OPPOSITE
CP.	COPPER		
C.R.S.	CLOSURE PLATE	PL.	PLATE
DET.	DETAIL		
DIA.	DIAMETER	R.	RISER
DF.	DRINKING FOUNTAIN	R.A. NO.	ROOM NO.
DW.	DOWN	R.B.	RUBBER BASE
DO.	DITTO	REINF.	REINFORCED
DRWG.	DRAWING	REQD.	REQUIRED
E.O.	EQUAL	RD.	ROUND
EL.	ELEV.	RM.	ROOM
EL. ELEV	ELEVATION	R/W	RIGHT OF WAY
ELEC.	ELECTRICAL	STD.	STANDARD
ENTR.	ENTRANCE	SPEC.	SPECIFICATIONS
EXT.	EXTERIOR	S.D.	SUPPLIED BY
EXP.	EXPANSION	STRUCT.	STRUCTURAL
FDN.	FOUNDATION	STL.	STEEL
FH.C.S.M.S.	FLAT HEAD COUNTER SUNK MACHINE SCREW	TEL.	TELEPHONE
		TRD.	TREAD
FIN.	FINISH	TYP.	TYPICAL
FIX.	FIXTURES		
FL.	FLOOR	V.A.T.	VINYL ASBESTOS TILE
FLUOR.	FLUORESCENT	VENT.	VENTILATORS
G.A.	GAUGE	VERT.	VERTICAL
GALV.	GALVANIZED		
GL.	GLASS	W/	WITH
		W.C.	WATER CLOSET

LEGEND OF MATERIALS

- EARTH
- GRAVEL
- CONCRETE
- MASONRY BLOCK-SOLID
- MASONRY BLOCK-HOLLOW
- INSULATION
- RIGID INSULATION
- SEALANT
- STEEL
- ALUMINUM
- METAL (ELEVATION)
- GLASS
- WOOD

G01-6104-A2

Design Construction Revisions	Number	Drawing Ltr	Date	Drawn by	Site Adaption Revisions	Number	Drawing Ltr	Date	Drawn by

STATE OF MARYLAND — REGISTRATION OF ARCHITECTS — 3473-R

FEDERAL AVIATION AGENCY — AIR TRAFFIC CONTROL TOWER

DUPHAM LEE SKILLER
ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

SEVERUD-PERRONE-FISCHER-STURM-CONLIN-BANDEL
STRUCTURAL ENGINEERS
415 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

MILFORD A. MILLS, INC.
MECHANICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

PROJECT TYPE: TO MODIFIED

DRAWING TITLE: FOUNDATION, FIRST FLOOR PLANS AND DETAILS

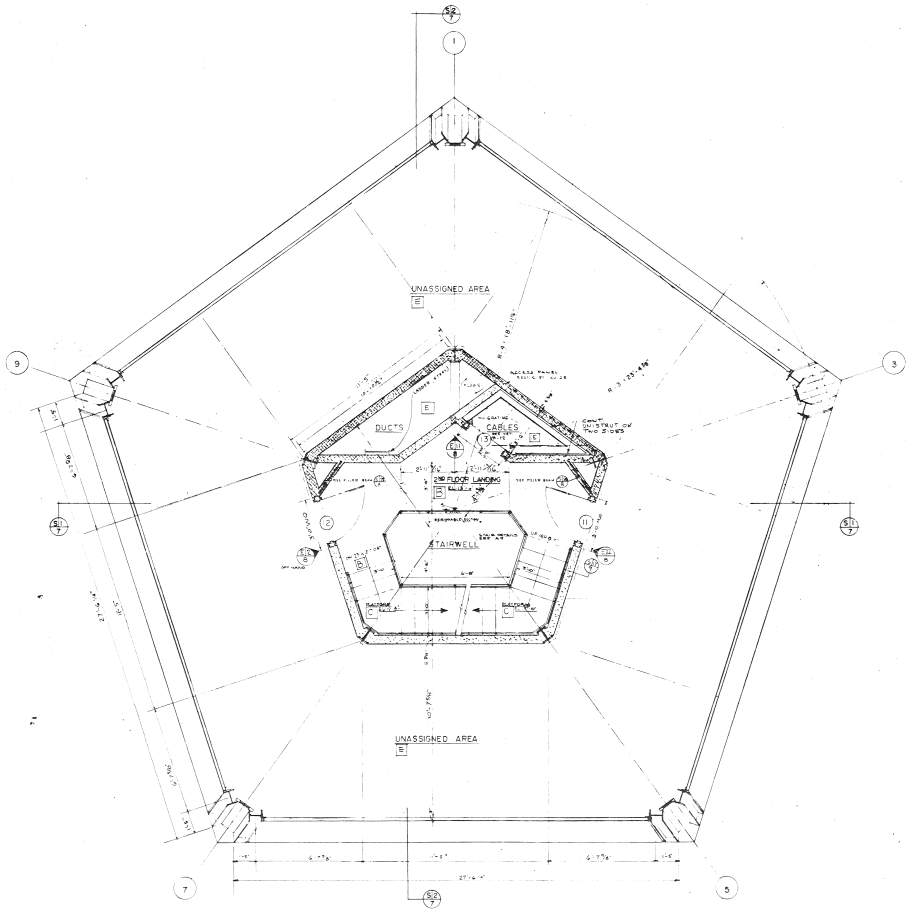
DRAWN BY: TWU & MEM
CHECKED BY: R.A.
REVIEWED BY: RED DR OF 11-4-66
DATE: 1-20-65
DATE ADAPTION: 6-1-66 & 11-14 NOTED
SCALE: 1/8" = 1'-0"
DRAWING NUMBER: A-2

DOOR IDENTIFICATION SCHEDULE

LETTERING - 18" - APPLIED TO THE SIDE OF THE DOOR OPPOSITE THE AREA IT IDENTIFIES.

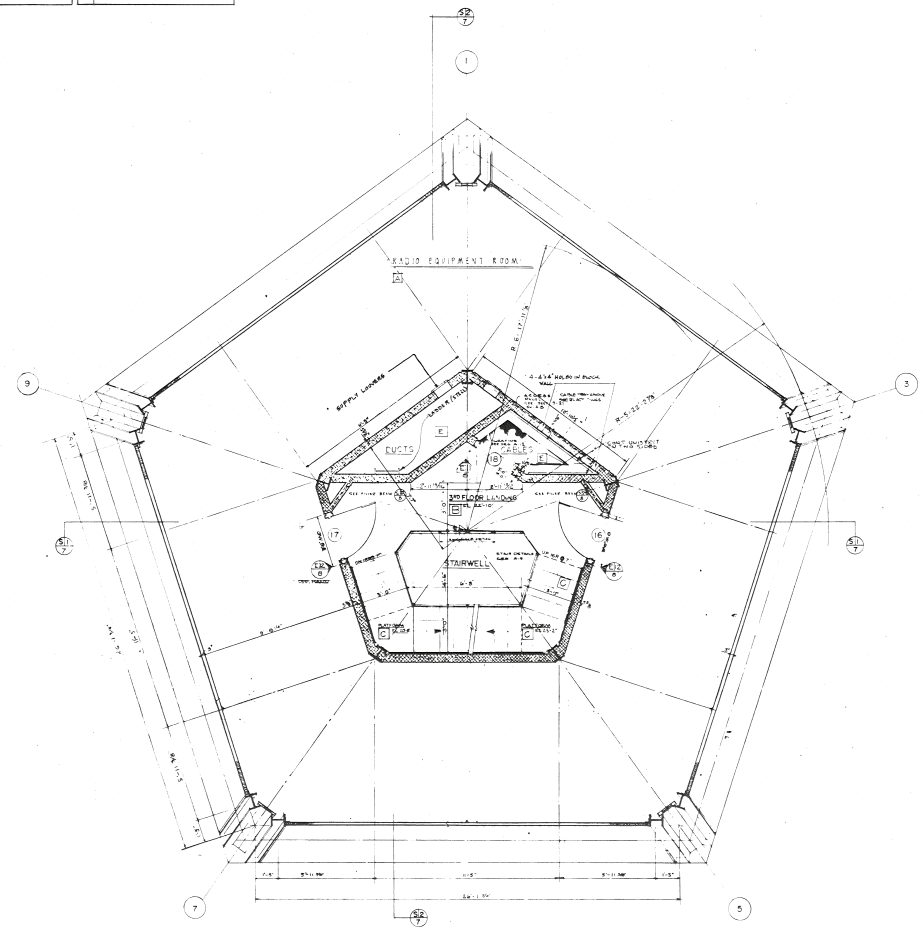
DOOR NO.	COPY
	FIRST FLOOR
1	BUSINESS SCHEDULING ROOM
3	TELEPHONE EQUIPMENT RESTRICTED AREA
4	
5	ELECTRICAL TRAVEL ROOM
6	CABLE SHAFT
7	UTILITY DUCTS
8	MECHANICAL EQUIPMENT
9	GROUND EQUIPMENT
	SECOND FLOOR
11	STAIR
12	STAIR
13	CABLE SHAFT
	THIRD FLOOR
15	COMMUNICATIONS EQUIPMENT RESTRICTED AREA
16	STAIR
17	COMMUNICATIONS EQUIPMENT RESTRICTED AREA
18	STAIR
19	CABLE SHAFTS

DOOR NO.	COPY
	FOURTH FLOOR
20	MECHANICAL EQUIPMENT & FAA OFFICE
21	STAIR
22	TECHNICAL DESIGNER
24	STAIR
25	CABLE SHAFT
27	UTILITY DUCTS
28	FAA OFFICE
	FIFTH FLOOR
30	CONTROL TOWER CAB RESTRICTED AREA
33	STAIR
34	LAVATORY
35	ROOF
36	CABLE JUNCTION ROOM



SECOND FLOOR PLAN

ALL DIMENSIONS GIVEN AT FL. LEVEL = 13'-6"
R-5-23'-4 9/8" (CIRCUMSCRIBED RADIUS @ EL 13'-6")
R-4-18'-11 1/4" (INSCRIBED RADIUS @ EL 13'-6")



THIRD FLOOR PLAN

ALL DIMENSIONS GIVEN AT FL. LEVEL = 22'-10"
R-5-22'-2 7/8" (CIRCUMSCRIBED RADIUS @ 22'-10")
R-6-17'-11 7/8" (INSCRIBED RADIUS @ 22'-10")

Design Combination Revisions	Number	Drawing Key	Date	Drawn By	Site Adaption Revisions	Number	Drawing Key	Date	Drawn By

STATE OF CALIFORNIA BOARD OF EXAMINERS AND REGISTRATION OF ARCHITECTS 1673-B

FEDERAL AVIATION AGENCY – AIR TRAFFIC CONTROL TOWER

DONALD LEE SICKLER
ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

SEVERUD-PERRONE-FISCHER-STURM-CONLIN-BANDEL
STRUCTURAL ENGINEERS
415 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

MILFORD A. NILES, INC.
MECHANICAL ENGINEERS
ELECTRICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

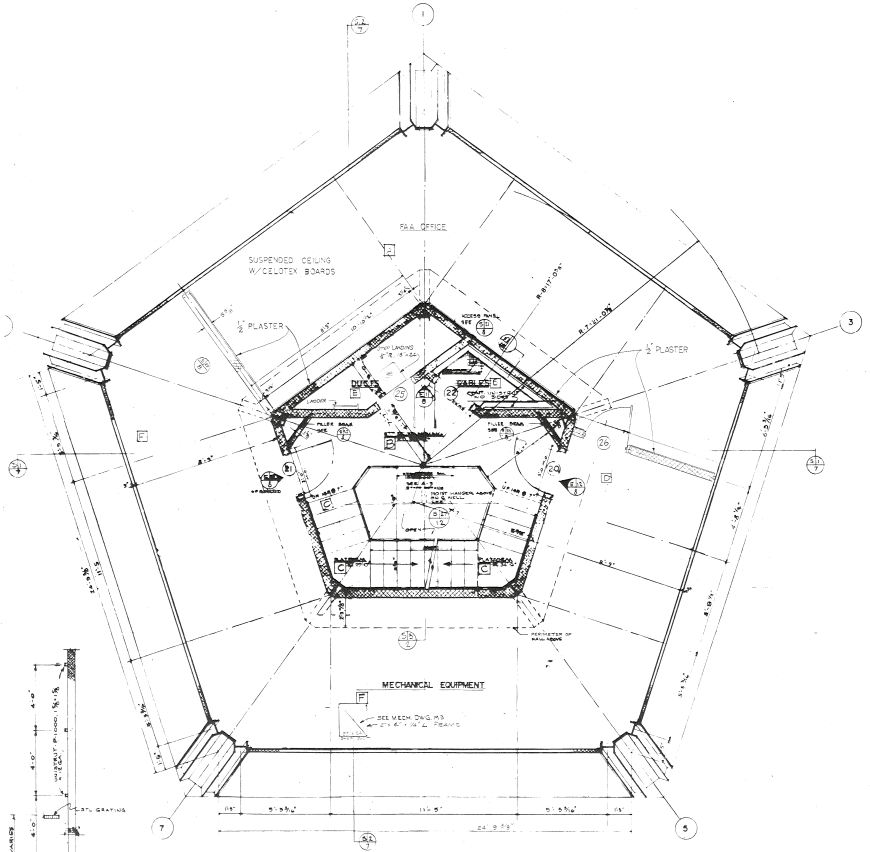
TOWER TYPE: TO - MODIFIED

DRAWING TITLE: SECOND, THIRD FLOOR PLANS

DESIGN COMBINATION	
DATE 1-25-65	
APPROVED BY	
CHECKED BY CA	
DRAWN BY TWL	REC. DR. DT 11-4-66
SITE ADAPTION	
DATE 2-11-66	
APPROVED BY	
CHECKED BY	
DRAWING REVISED	DEN
SCALE 3/8" = 1'-0"	MASTER REVISION 6821
FAA	HER-501-40194-A.2
DRAWING NUMBER	A-3
BROOMFIELD	

COLOR SCHEDULE		
	SPACE OR ITEM	COLOR
EXTERIOR	HOLLOW MT. ENTRANCE, INC. SIDE LIGHTS, ALUMINUM WINDOWS AT CORNERS	3/8" BRONZE
		NATURAL
	STRUCTURAL STEEL, MISC. IRON, INCLUDING RAILING, METAL TRIM AROUND ALUMINUM PANELS, STEEL PANELS & SUPPORT STEEL GRATINGS, ALL OTHER EXPOSED FERROUS METAL TO BE FIELD PAINTED	#5187S SEMI GLOSS
	PORCELAIN ENAMEL PANELS ON 1ST & 5TH FLS., PORCELAIN PANELS ON 2ND & 3RD FLOORS ALL 1ST QUALITY FACTORY FINISHED BAKED ENAMEL, SMOOTH WITH NO EMBOSSING	#5187S SEMI-GLOSS
	ASBESTOS CEM. PANELS BELOW PANELS & BELOW OPEN LOUVERS ON 5TH FLOOR	#7757C SEMI-GLOSS
	WOOD NEAR ON ROOF PRESERVATIVE TREATED - NO PAINT	NATURAL
	ALUMINUM LOUVERS ON FIRST FLOOR	BLACK
INTERIOR	VINYL ASBESTOS FLOOR TILE (ASPHALT BASE) 1ST FLOOR	#531 M
	RUBBER BASE (KOPPE RUBBER CO. OR WEDORA OHIO OR EQUAL)	[illegible]
	ALL CONC. FLOORS - NOT PAINTED	APPROVED REQ.
	ALUMINUM LOUVERS ON 1ST FLOOR (DOOR No.)	BLACK
	STEEL GRILLE ON 1ST FLOOR	#2187S SEMI-GLOSS
	INTERIOR SIGN LOUVERS PLATES ETC.	#5187S SEMI-GLOSS
	STAIR TREADS PLATFORMS & LANDINGS	FAWN
	DOORS & FRAMES, STAIR HANDRAILS	F&A REC SEMI GLOSS
	CURVED PLASTER WALL ON 5TH FLOOR	#1787C WHITE
	VIN. FL. TILE (PASTEL) 2ND FLOOR & 5TH FLOOR RESTROOM	[illegible]
	STRUCTURAL STEEL, COLUMNS AND BEAMS, MISCELLANEOUS METAL, GRATINGS, STEEL FLOOR DECK, NON CONC. FILLED FLOOR DECK, WORK, METAL LADDERS ON WALL, PANELING ON ALL FLOORS METAL WORK OF HOUSE	#5187S SEMI-GLOSS
	VIN. FL. TILE (PASTEL) FAA OFFICE	FAWN & [illegible]
	PLASTER CEILINGS AND WALLS EXCEPT CURVED WALL ON 5TH FLOOR	#1787C WHITE
	ALL EXPOSED UNDERFLOOR DUCTS, PIPES, WIRES, INSULATED	#1787C WHITE
	CONC. FLOORS (EPOXY NON-SKID FINISH (GLIDDEN)	FAWN
	ALL EXPOSED PIPING IN ENT. AREAS	SEE PIPE SCHEDULE

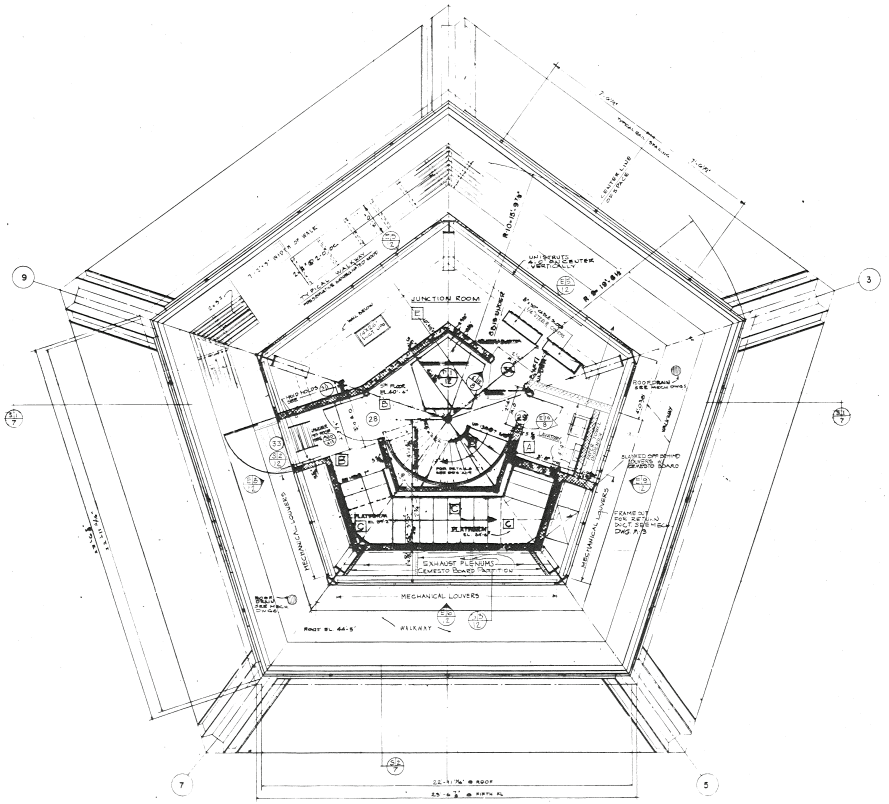
PIPE SCHEDULE	
PIPE TYPE	COLOR & SERVICE
SANITARY SEWER, INSULATED & UNINSULATED	DK BROWN, 800-286-7737
STORM SEWER, INSULATED & UNINSULATED	LT BROWN 800-286-3264
DOMESTIC COLD WATER	DK GREEN, 800-298-8259
DOMESTIC HOT WATER	DK GREEN, 800-298-8266
STEAM SUPPLY	DK ORANGE
STEAM RETURN	LT ORANGE
NATURAL GAS	YELLOW 800-257-2042
BOILER DRAINS	LT BROWN, 800-286-3264



FOURTH FLOOR PLAN

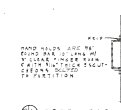
ALL DIMENSIONS GIVEN AT FL. LEVEL - 32'-2"
R-7 - 21'-0 7/8"(CIRCUMSCRIBED RADIUS @ EL 32'-2")
R-8 - 17'-0 5/8"(INSCRIBED RADIUS @ EL 32'-2")

(3/8) TYPICAL FROM 1ST TO 4TH FLOOR
SCALE 3/8"=1'-0"



FIFTH FLOOR AND ROOF PLAN

ALL DIMENSIONS GIVEN AT FL. LEVEL - 40'-4"
R9 - 18'-8 1/2"(CIRCUMSCRIBED RADIUS @ EL. 40'-4")
R10 - 15'-8 7/8"(INSCRIBED RADIUS @ EL. 40'-4")



(3/4) STEEL BAR HAND HOLDS
SCALE 1½"=1'-0"

Other Revisions	Number	Drawing Log	Date	Drawn by	Site Adaption Revisions	Number	Drawing Log	Date	Drawn by

BOARD OF EXAMINERS AND REGISTRATION OF ARCHITECTS 2673-R STATE OF MARYLAND

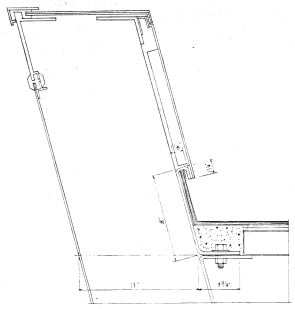
FEDERAL AVIATION AGENCY — AIR TRAFFIC CONTROL TOWER

DONALD LEE SCHLIFE ARCHITECT ONE CHARLES CENTER BALTIMORE, MARYLAND	SEVERUD ASSOCIATES STRUCTURAL CONSULTANTS STRUCTURAL ENGINEERS 415 LEXINGTON AVENUE NEW YORK 17, NEW YORK	MILFORD A. MILLS, INC. MECHANICAL ENGINEERS 2621 MARYLAND AVENUE BALTIMORE, MARYLAND

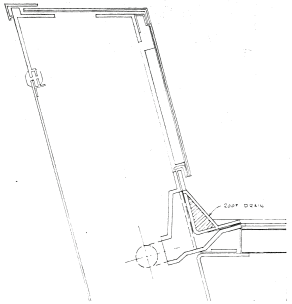
TOWER TYPE: T-0 MODIFIED

FOURTH & FIFTH FL. PLANS

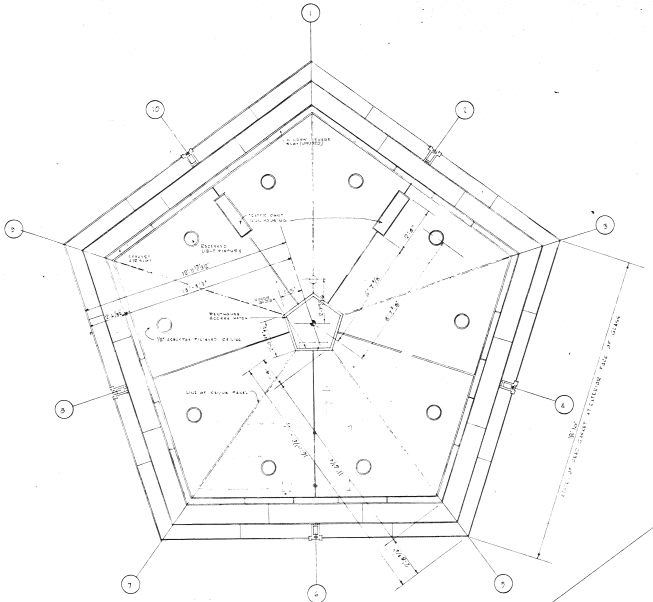
DRAWING COORDINATOR: [illegible] 1-25-68	VOL. ADDENDUM: DATE 8-11-66	SCALE: 3/8"=1'-0"	SHEET NUMBER: T0-A4
DRAWN BY: [illegible]	CHECKED BY: [illegible]	No. WE-R 601-40194-A4	
CHECKED BY: [illegible]	DATE: 1-24-68		
DESIGNED BY: T.E.K.	REC. DR. DATE: 11-4-66	A-4 BROOMFIELD	DEN



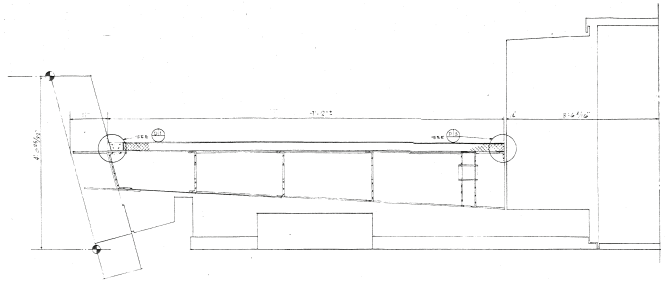
TYPICAL DETAIL OF CURB UNIT
SCALE: 3"=1'-0"



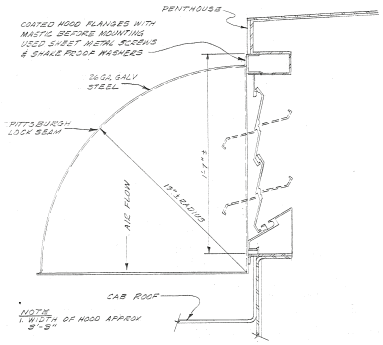
DETAIL OF ROOF DRAIN
SCALE: 3"=1'-0"



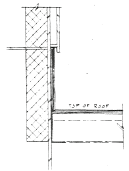
OPEN BOTTOM CEILING PLAN (CAB)
SCALE: 1/8"=1'-0"



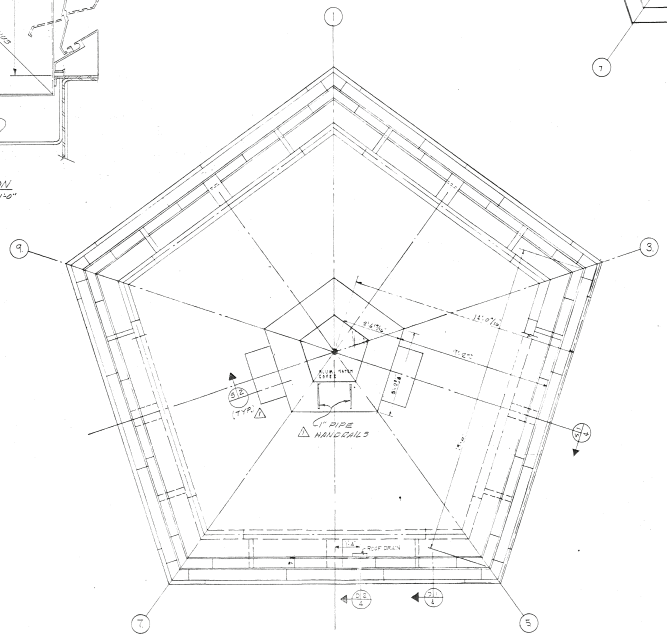
SECTION
SCALE: 1"=1'-0"



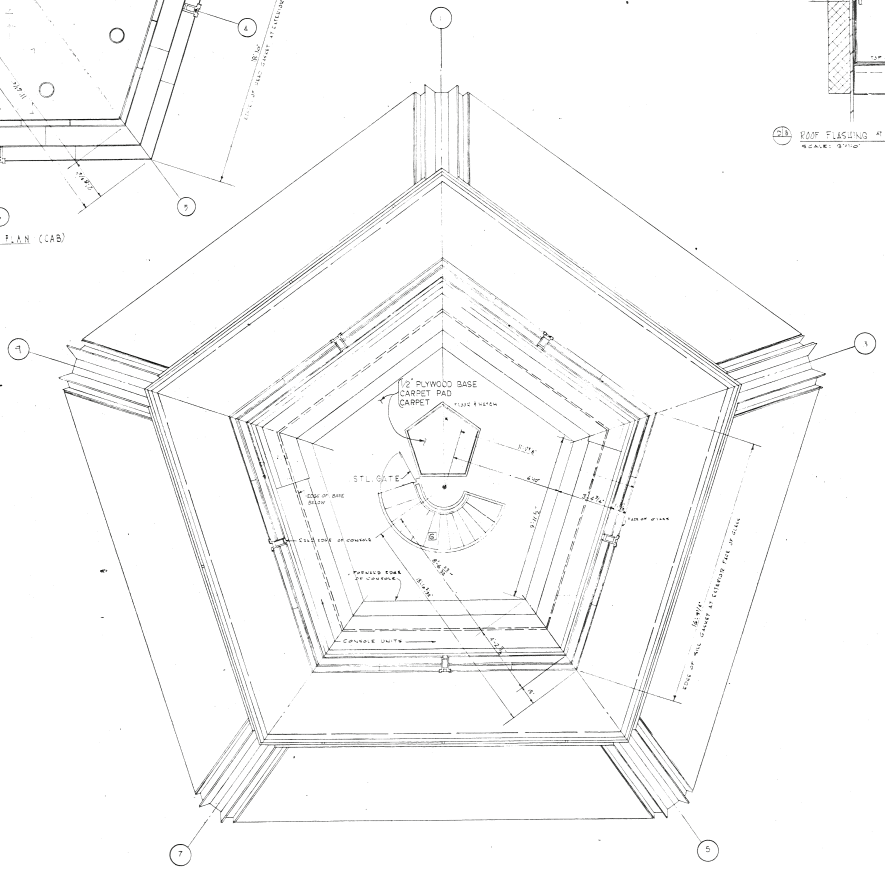
SECTION
SCALE: 3"=1'-0"



ROOF FLASHING AT PENTHOUSE
SCALE: 3"=1'-0"



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



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

Design Construction Revisions	Number	Drawing Ltr	Date	Drawn by	Site Adaption Revisions	Number	Drawing Ltr	Date	Drawn by
ADDED EXHAUST HOODS AND HAND RAILS.	△	L.S.	2/16/65	E.H.					

FEDERAL AVIATION AGENCY — AIR TRAFFIC CONTROL TOWER

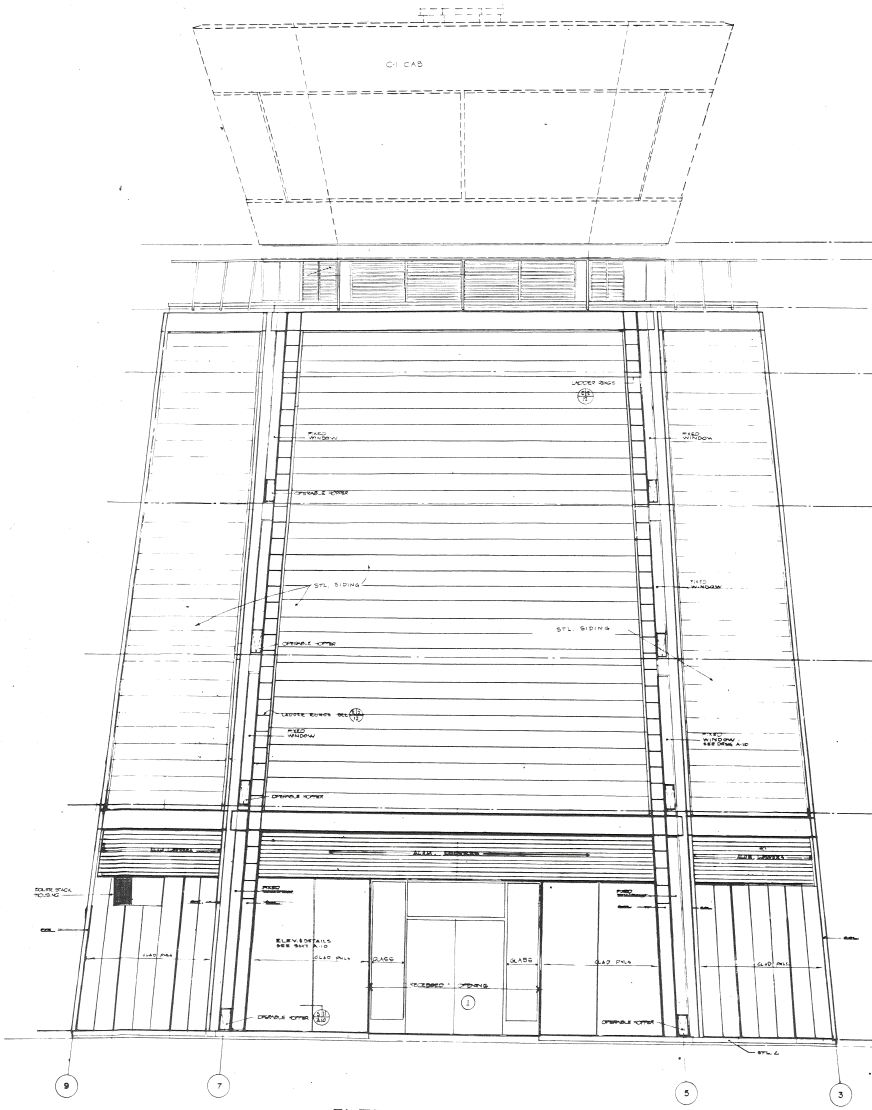
DONALD LEE SCHLER
ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

SEVERUD, ASSELINE, FIELDNER, STUBBS, CONNELLY AND DEL
STRUCTURAL ENGINEERS
415 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

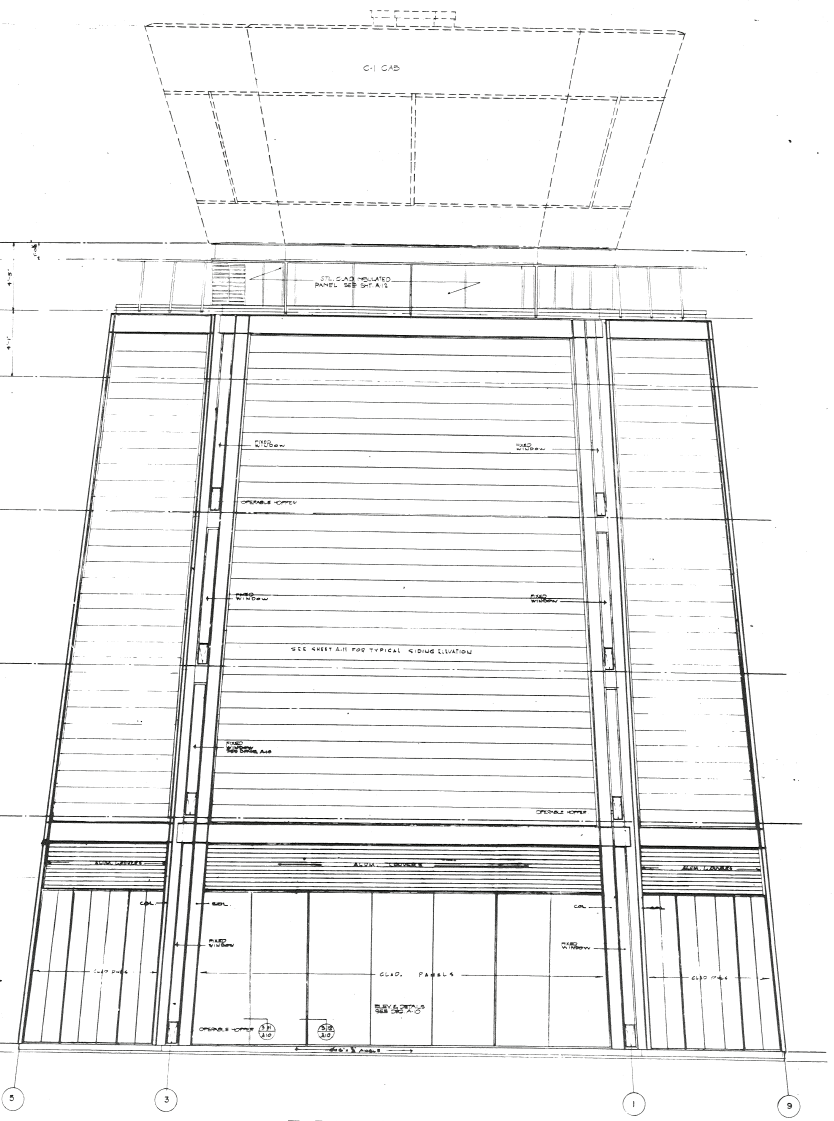
MILFORD A. NILES, INC.
MECHANICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

ISSUE TYPE: TO-MODIFIED

DESIGN CONSTRUCTION DATE: 1-26-65
SITE ADAPTATION DATE: 2-16-65
SCALE: AS NOTED
MASTER NUMBER: 6451
AREA: WE-R
FAA-90194-A5
DRAWING TITLE: CAB FLOOR, ROOF PLAN & DETS
REC. DR. DT. 11-4-66
A-5
BROOKFIELD



ENTRANCE ELEVATION



TYPICAL SIDE ELEVATION

Design Construction Revisions	Number	Description	Date	Drawn by	Site Adaptive Revisions	Number	Drawing Key	Date	Drawn by

STATE OF MARYLAND — BOARD OF EXAMINERS AND REGISTRATION FOR ARCHITECTS — 2672-A

FEDERAL AVIATION AGENCY—AIR TRAFFIC CONTROL TOWER

OWNER
ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

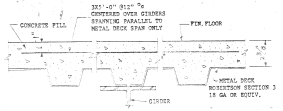
REYNOLDS-FERRONS-FRICHER-SELIUM-CORNELIN-BANDEL
STRUCTURAL ENGINEERS
415 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

MINFORD A. MILES, INC.
MECHANICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

TOWER TYPE: TO-MODIFIED

DRAWING TITLE: EXTERIOR ELEVATIONS

DATE 1-19-65	DATE 12-1-64	SCALE 1/8"=1'-0"	DRAWING NUMBER 501-40194-A6
DRAWN BY R.A.	CHECKED BY	REC. DR. DT.	DRAWING SERIES A-6
DESIGNED BY T.M.N.			DEN



TYPICAL FLOOR CONST.

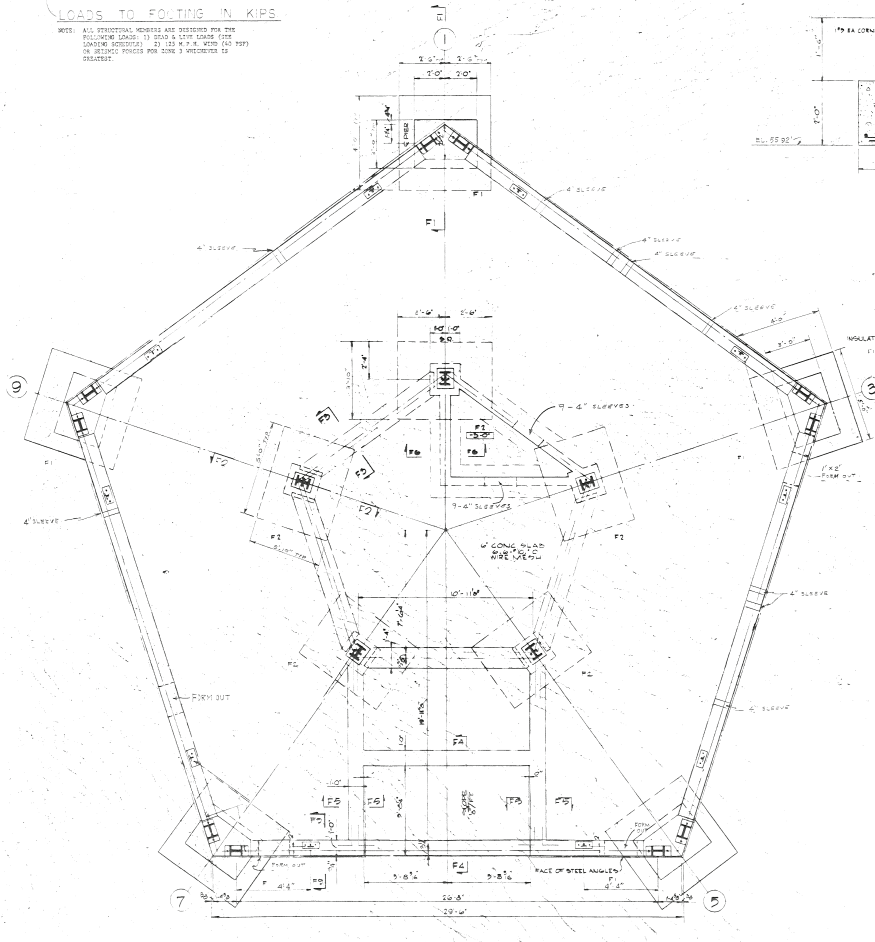
DESCRIPTION	METAL DECK	FILL & FINISH	LIVE LOAD (LBS/SQ.FT.)		TOTAL LOAD (LBS/SQ.FT.)	
2nd TO 5th FLOOR	5	27	125	100	157	132
STAIRS		35		100		135
ROOF	5	10		40		55

LOADING SCHEDULE IN LBS/FT²

DESCRIPTION	VERTICAL LOADS			LATERAL LOADS				
				GRADE BEAM	AXIS X-X		AXIS Y-Y	
	DEAD	LIVE	WIND		DEADLIVE	WIND	DEADLIVE	WIND
EXTERIOR COL.	17	18	± 43	12	2	13	3	5
INTERIOR COL.	48	52	± 40	10	4	7	--	7

LOADS TO FOOTING IN KIPS

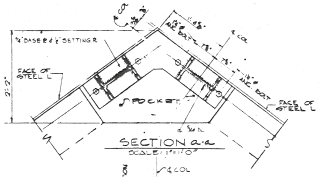
NOTE: ALL STRUCTURAL MEMBERS ARE DESIGNED FOR THE FOLLOWING LOADS: 1) DEAD & LIVE LOADS (SEE LOADING SCHEDULE) 2) 125 M.P.H. WIND (40 PSF) ON SEISMIC FORCES FOR ZONE 3 WHICHEVER IS GREATEST.



FOUNDATION PLAN

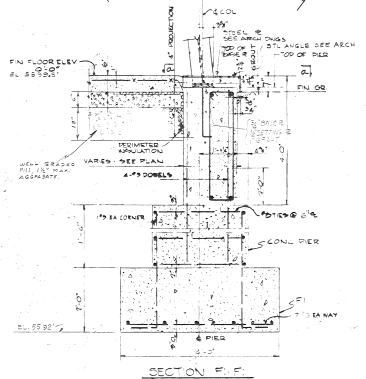
SCALE 3/8"=1'-0"

TOP OF 1" FLOOR SLAB ELEV 0'-0" REFERENCE UNLESS OTHERWISE NOTED ON PLAN THUS:



SECTION a-a

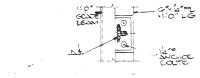
SCALE 1"=1'-0"



SECTION F1-F1

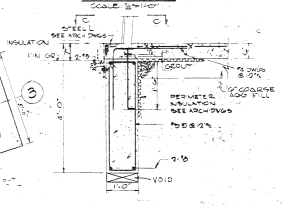
(TYPICAL FOOTING #1)

SCALE 3/8"=1'-0"



SECTION C-C

SCALE 3/4"=1'-0"

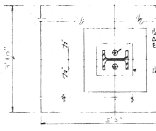


SECTION F9-F9

(TYPICAL GRADE BEAM)

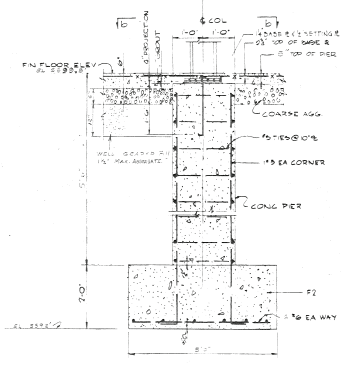
SCALE 3/4"=1'-0"

NOTE: SEE DWG. NO. D-R-231-46/76-4X ANCHOR BOLT DETAILS.



SECTION b-b

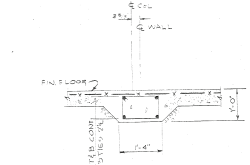
SCALE 3/4"=1'-0"



SECTION F2-F2

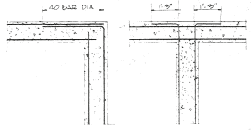
(TYPICAL INTERIOR FOOTING #2)

SCALE 3/4"=1'-0"

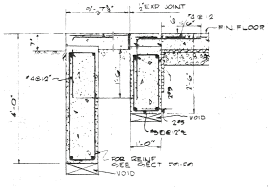


SECTION F3-F3

SCALE 3/4"=1'-0"

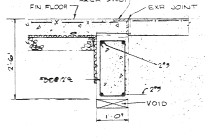


TYPICAL CORNER DETAILS



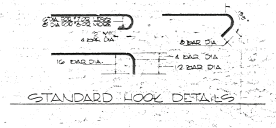
SECTION F4-F4

SCALE 3/4"=1'-0"

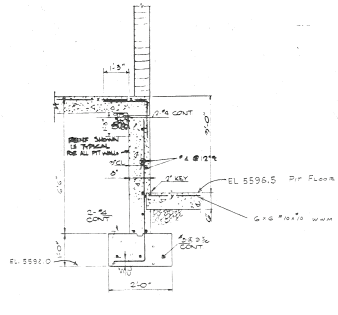


SECTION F5-F5

SCALE 3/4"=1'-0"



STANDARD HOOK DETAILS



SECTION F6-F6

SCALE 3/4"=1'-0"

(TYPICAL PIT WALL)

GENERAL CONCRETE AND FOUNDATION NOTES

1. ALL FOUNDATION & CONCRETE WORK CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONC (ACI318) AND ALL APPLICABLE RECOMMENDATIONS OF THE ACI. ALL DETAILING OF REINF. BARS, UNLESS OTHERWISE NOTED, FOLLOWS THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
2.
3. ALL SOIL WITHIN THE AREA BOUNDED BY THE GRADE BEAMS WAS REMOVED TO ELEV. 5595.5'.

GENERAL NOTES

1. FLOOR ELEV. 0' - 00" CORRESPONDS TO ELEV. 5595.5.
2. BENCH MARK LOCATED AT STORM SEWER CATCH BASIN APPROX. 200 FEET SOUTH OF CENTER POINT OF TOWER. BRASS CAP MARKED ELEV. 5599.50.
3.
4.
5.
6. ALL DOWELS TO REINFORCEMENT IN A MEMBER ARE EQUAL TO REINFORCEMENT IN THAT MEMBER, UNLESS OTHERWISE NOTED.
7. ANCHORAGE AND SPLICE LENGTHS ARE AS FOLLOWS:

   #6 & #5 BARS ------- LENGTH 18"
   #6 & #7 BARS ------- LENGTH 24"
   #8 BARS ------- LENGTH 28"

8. IN ADDITION TO THE MINIMUM REINFORCEMENT SPECIFIED IN SLABS, WALLS AND BEAMS THERE ARE TWO (2) #5 BARS AROUND ALL OPENINGS. SUCH BARS EXTEND AT LEAST 24" BEYOND THE CORNER OF SUCH OPENINGS.
9.
10. ALL PLAN DIMENSIONS ARE AT ELEVATION 0' - 0", UNLESS OTHERWISE NOTED.
11. BACKFILL UNDER ALL SLABS ON GRADE IS WASHED GRAVEL, 1 1/2" MAX. DIA., 6" THICK, COVERED WITH 6 MIL POLYETHYLENE VAPOR BARRIER.

Design Combination Revisions	Number	Drawing Log	Date	Drawn by	Site Adaption Revisions	Number	Drawing Log	Date	Drawn by

FEDERAL AVIATION AGENCY—AIR TRAFFIC CONTROL TOWER

DONALD ABE SKOLNIK, ARCHITECT, ONE CHARLES CENTER, BALTIMORE, MARYLAND

SEVERUD-PERRONE-FISCHER-STURM-CONLIN-BANDEL, STRUCTURAL ENGINEERS, 415 LEXINGTON AVENUE, NEW YORK 17, NEW YORK

MILFORD A. NILES, INC., MECHANICAL ENGINEERS, 2621 MARYLAND AVENUE, BALTIMORE, MARYLAND

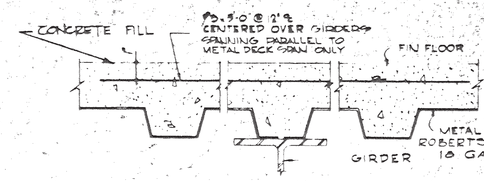
DESIGN TYPE: TO-MODIFIED

DRAWING TITLE: FOUNDATION PLAN

DESIGN COMBINATION DATE 11-16-66	SITE ADAPTION DATE 8-11-68	SCALE 3/8"=1'-0"	MASTER NUMBER
APPROVED BY DEN 440	APPROVED BY	FAA DOT 4210.1-01	
DRAWN BY JC	CHECKED BY		
TRACED BY TL	REC. DR. DT. 11-4-66	SI BROOMFIELD, COLO.	DEN

COLUMN FLOOR	EXTERIOR ①	EXTERIOR ⑤	EXTERIOR ⑤	EXTERIOR ⑦	EXTERIOR ⑨	INTERIOR 1)	INTERIOR ③	INTERIOR 5)	INTERIOR 7)	INTERIOR 9)
CAB FLOOR										
ELEV 48'-0" ROOF						8WF28	8WF28	8WF28	8WF28	8WF28
ELEV 44'-5" 5TH FLOOR	59	59	59	59	59	59	59	59	59	59
ELEV 40'-4" 4TH FLOOR						59	59	59	59	59
ELEV 30'-2" 3RD FLOOR	WF	WF	WF	WF	WF	WF	WF	WF	WF	WF
ELEV 22'-10" 2ND FLOOR										
ELEV 13'-6" 1ST FLOOR	10	10	10	10	10	10	10	10	10	10
ELEV 0'-0" TOP OF BASE & PL										
BASE PLATE (1" PM PARALLEL TO COLUMN WEB)	20"x0.5"PM	20"x0.5"PM	20"x0.5"PM	20"x0.5"PM	20"x0.5"PM	20"x0.5"PM	20"x0.5"PM	20"x0.5"PM	20"x0.5"PM	20"x0.5"PM
						14"x14"PL	14"x14"PL	14"x14"PL	14"x14"PL	14"x14"PL

COLUMN SCHEDULE



TYPICAL FLOOR CONST.

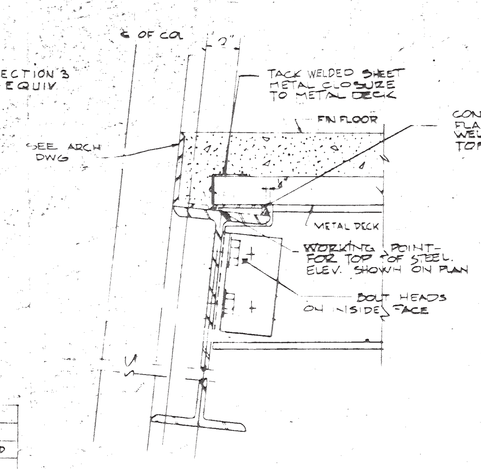
DESCRIPTION	METAL DECK	FILL & FINISH	LIVE LOAD		TOTAL LOAD	
			NYC RESIDENCE	VA RESIDENCE	NYC RESIDENCE	VA RESIDENCE
2ND TO 5TH FLOOR	5	27	50	100	82	132
STAIRS	55		100		155	
ROOF	5	10	40		55	

LOADING SCHEDULE IN LBS/FT²

DESCRIPTION	VERTICAL LOADS				LATERAL LOADS			
					AXIS X-X		AXIS Y-Y	
	DEAD	LIVE	WIND	GRADE BEAM	DEADLIVE	WIND	DEADLIVE	WIND
EXTERIOR COL	17	6	145	7	2	15	3	3
INTERIOR COL	68	32	140	0	4	7	-	7

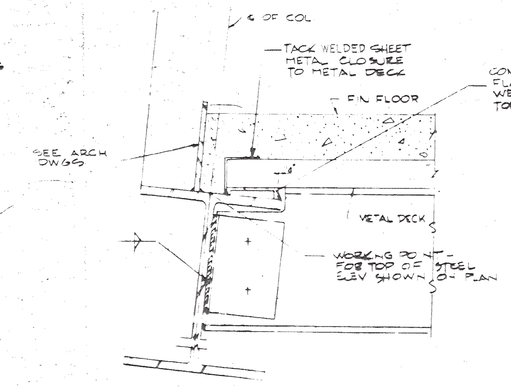
LOADS TO FOOTING IN KIPS

NOTE ALL STRUCTURAL MEMBERS ARE DESIGNED FOR THE FOLLOWING LOADS 1) DEAD & LIVE LOADS SEE LOADING SCHEDULE 2) 25 M.P.H. WIND (40 PSF) OR 3) SVMC FORCES FOR ZONE 3 WHICHEVER IS GREATER



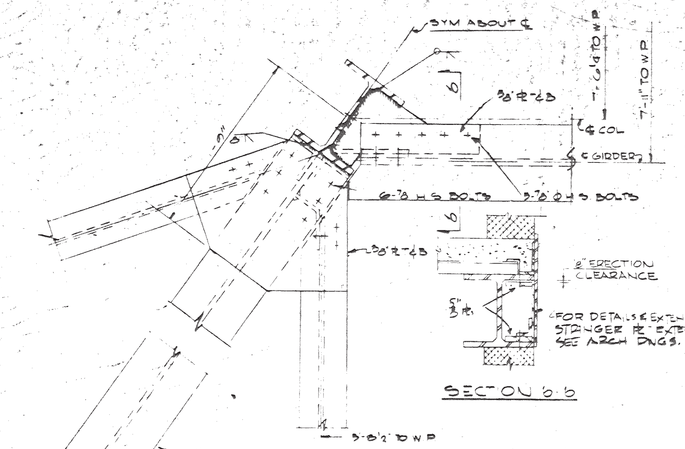
SECTION T1-T1

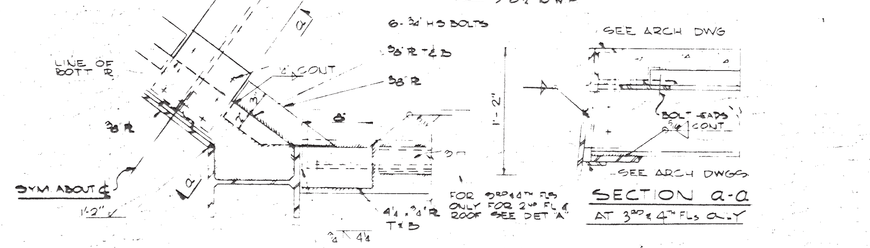
SCALE 3"=1'-0"



SECTION 2A-2A

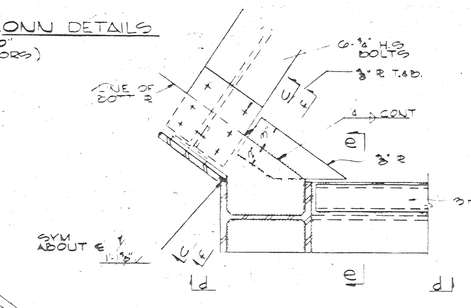
SCALE 3"=1'-0"





GIRDER TO COLUMN CONN DETAILS

SCALE 3"=1'-0"
(TYPICAL ALL FLOORS)

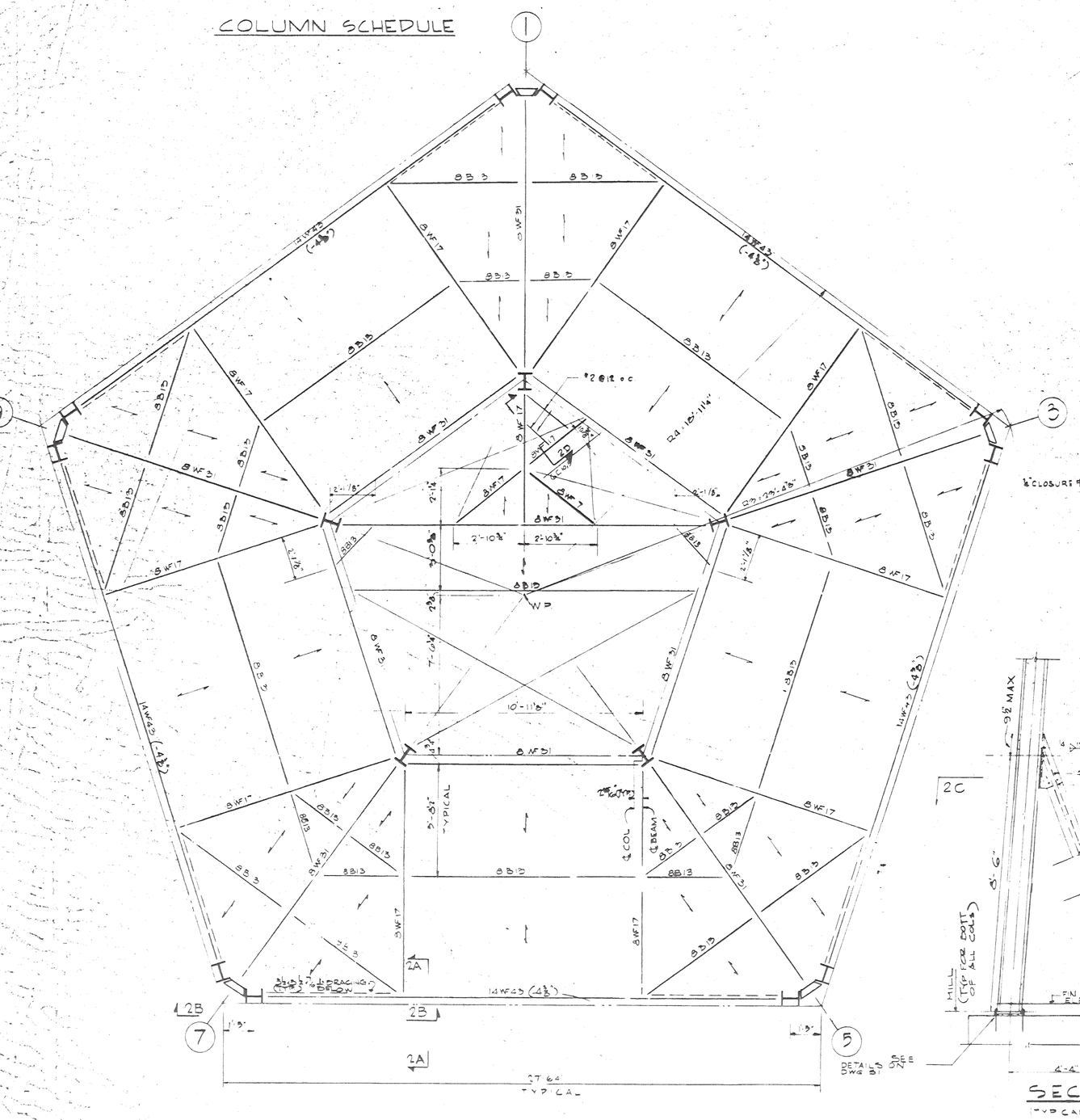


DETAIL "A"

2ND FLOOR & ROOF FRAMING

GENERAL NOTES

1. ALL DIMENSIONS ARE AT ELEV OF FIN. FLOOR
2. DIRECTION OF SPAN OF METAL DECK IS SHOWN ON PLAN THUS
3. ALL STEEL CONFORMS TO THE ASTM SPEC FOR ON AISC ALLOWABLE STRESS FABRICATION AND ERECTION COMPLY WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BLDGS.
4. NO BOLTED CONNECTION SHALL BE MADE ON ANY STEEL EXPOSED TO THE OUTSIDE.
5. ALL ROOF CONNECTIONS WERE RIVETED OR WELDED
6. ALL FIELD CONNECTIONS WERE MADE WITH:
   A. UNFINISHED BOLTS FOR ALL FILLER BEAMS & BRACING WHERE INDICATED ON STRUCT. DWGS.
   B. HIGH STRENGTH BOLTS WITH HARDENED WASHERS FOR ALL OTHER CONNECTIONS
7. HIGH STRENGTH BOLTS WERE INSTALLED BY MEANS OF CALIBRATED WRENCHES AND TORQUED TO THE REQ'D VALUES IN ACCORDANCE WITH SPEC. FOR STRUCT. JOINTS AS APPROVED BY THE RESEARCH COUNCIL ON RIVETED AND BOLTED STRUCT. JOINTS AND ENDORSED BY THE AISC. THE BOLTS, NUTS & WASHERS COMPLY WITH THE ASTM DESIG. A325 FOR QUENCHED AND TEMPERED STEEL BOLTS AND STUDS WITH SUITABLE NUTS AND WASHERS.
8. ALL CONTACT SURFACES WITHIN FRICTION TYPE JOINTS (HIGH STRENGTH BOLT CONNECTIONS) AND AREAS TO BE WELDED ARE FREE OF ALL PAINT, LACQUER AND GALVANIZING
9. WELDING WHERE REQUIRED WAS IN ACCORDANCE WITH THE STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY
10. THE STRUCT. DWGS WERE USED IN CONJUNCTION WITH SPECIFICATIONS AND ARCHITECTURAL & MPE DWGS.
11. FOR CONCRETE NOTES SEE FOUNDATION PLAN
12. ALL EXPOSED STRUCTURAL DETAILS WERE MADE CONJUNCTION WITH ARCHITECTURAL DWGS. SPECS AND DETAILS TO ACHIEVE DESIRED VISUAL EFFECTS
13.
14. ALL WELDS CONFORM TO LATEST AWS. SPECIFICATIONS.
15. UNLESS OTHERWISE CALLED FOR ALL BOLTS WERE 3/4" HTSB

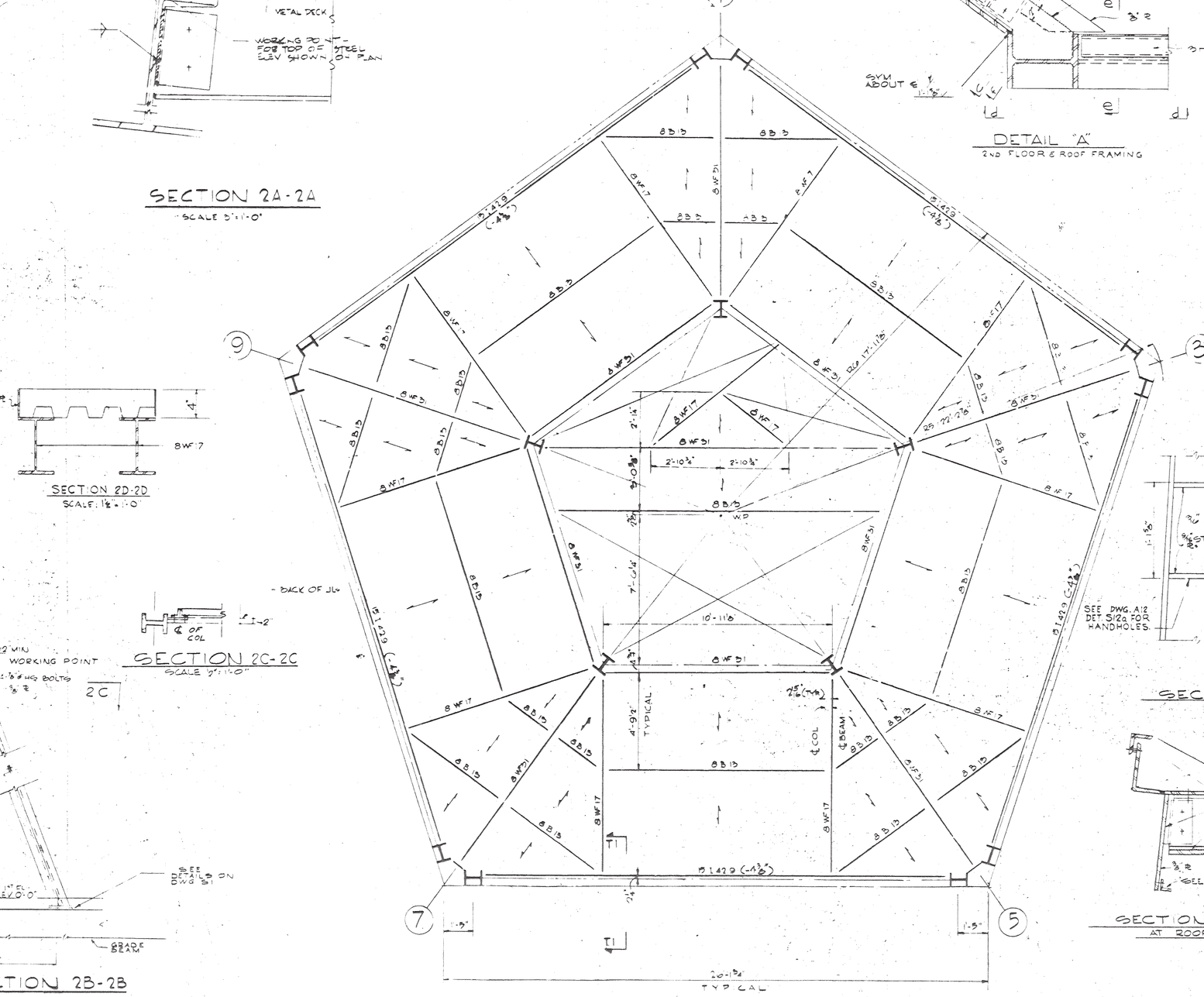


SECOND FLOOR FRAMING PLAN

FIN FLOOR ELEV. 13'-6" UNLESS OTHERWISE NOTED ON PLAN

TOP OF STEEL IS 4" BELOW FIN FLOOR UNLESS OTHERWISE NOTED ON PLAN THUS:

SCALE 1/8"=1'-0"



THIRD FLOOR FRAMING PLAN

FIN FLOOR ELEV. 22'-10" UNLESS OTHERWISE NOTED ON PLAN

TOP OF STEEL IS 4" BELOW FIN FLOOR UNLESS OTHERWISE NOTED ON PLAN THUS:

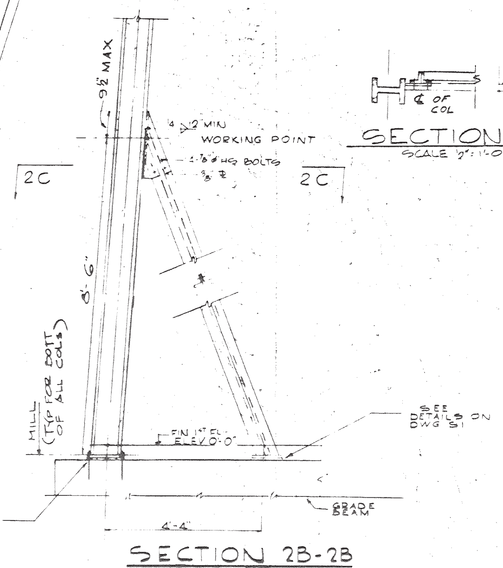
SCALE 1/8"=1'-0"

SECTION 2D-2D

SCALE: 1½"=1'-0"

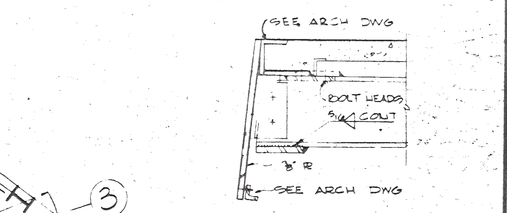
SECTION 2C-2C

SCALE 3"=1'-0"



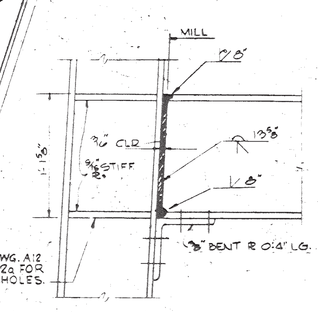
SECTION 2B-2B

TYPICAL FOR ALL BAYS
SCALE 1"=1'-0"

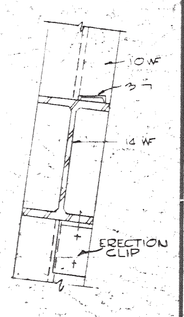


SECTION c-c

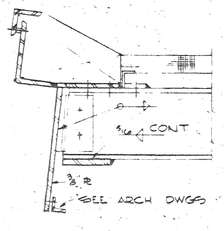
AT 2ND FL. ONLY



SECTION d-d



SECTION e-e



SECTION f-f

AT 2ND FL. ONLY

Number	Drawing Key	Date	Drawn By	Site Adaption Revisions	Number	Drawing Key	Date	Drawn By
		9-10-64						

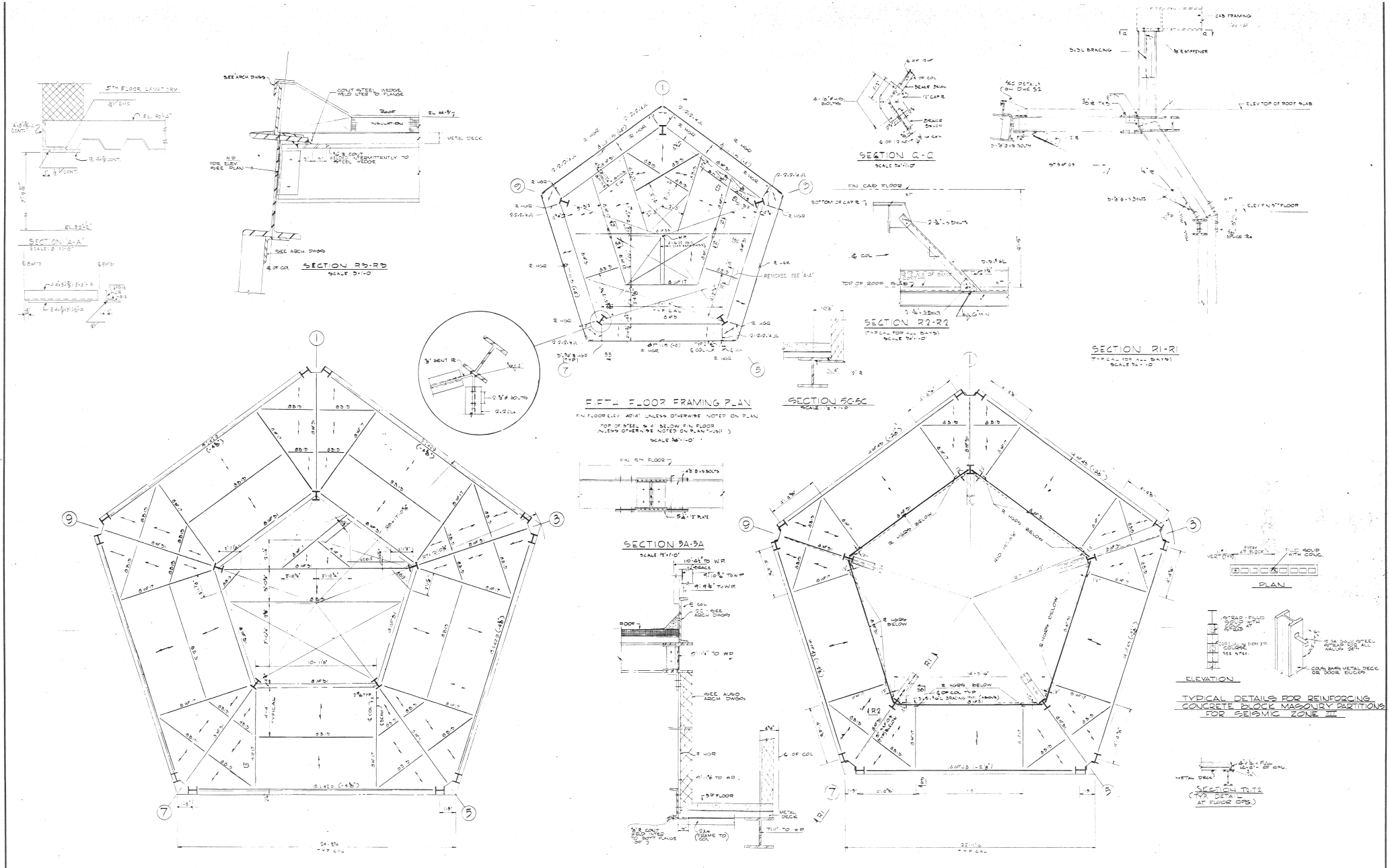
FEDERAL AVIATION AGENCY — AIR TRAFFIC CONTROL TOWER

DONALD LEE SICKLER
ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

SEVERUD-PERRONE-FISCHER-STURM-CONLIN-BANDEL
STRUCTURAL ENGINEERS
415 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

MILFORD A. NILES INC.
MECHANICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

TOWER TYPE: TO-MODIFIED	DESIGN COORDINATION DATE 1-25-66	SITE ADAPTION DATE 2-1-66	SCALE AS NOTED
	APPROVED BY: F.F.	APPROVED BY:	FAA WEB: 60L-70194 S2
DRAWING TITLE: SECOND & THIRD FLOOR FRAMING PLAN, COL. SCHED., TYP. SECT., GEN. NOTES	CHECKED BY: J.C.	CHECKED BY:	DRAWING NUMBER: S-2
	DRAWN BY: T.L.	REC. DR. DT: 1-14-66	BROOMFIELD



Design Combination Revisions:	Number	Drawing Ltr	Date	Drawn By	Site Adaption Revisions	Number	Drawing Ltr	Date	Drawn By

FEDERAL AVIATION AGENCY—AIR TRAFFIC CONTROL TOWER

DONALD LEE SCHLER
ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

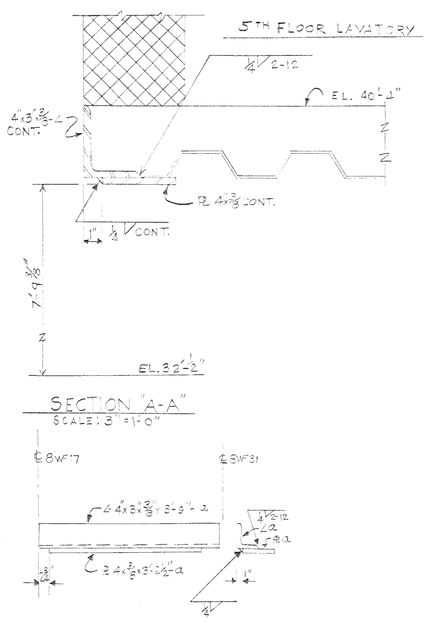
SEVERUD-PERSSON-SCHLER-STEIN-CONLIN-BANNER
STRUCTURAL ENGINEERS
413 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

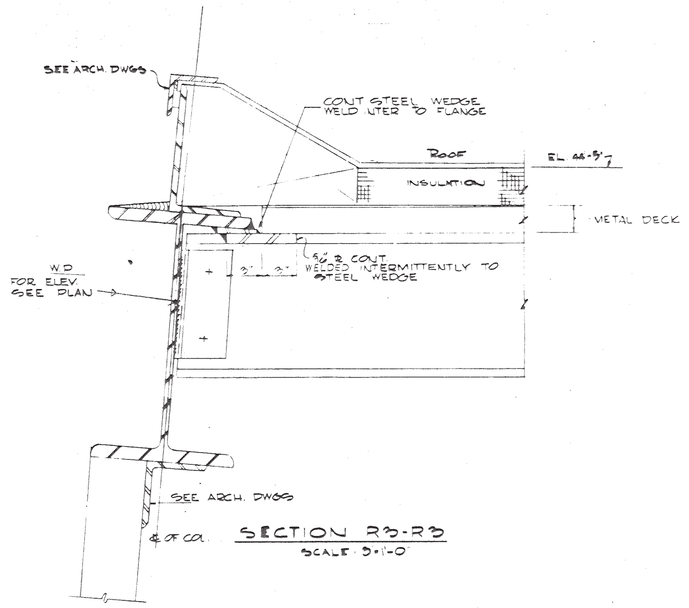
MILFORD A. MILES, INC.
MECHANICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

TOWER TYPE: TO-MODIFIED

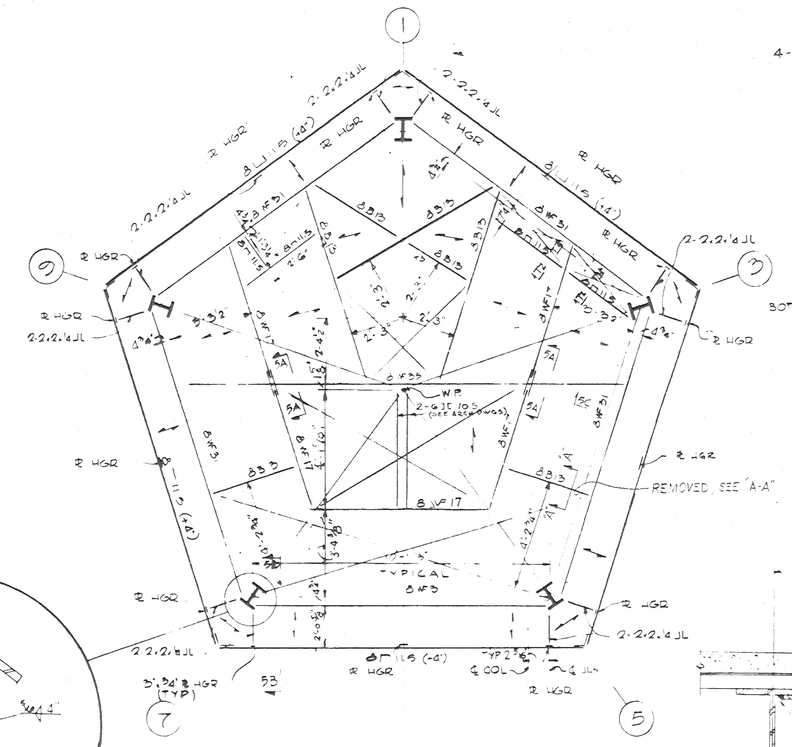
DRAWING TITLE: FOURTH, FIFTH FLOOR & ROOF FRAMING PLAN

DESIGN COMBINATION DATE 1-25-66	SITE ADAPTATION DATE 2-11-66	SCALE AS NOTED	RACERS NUMBER
APPROVED BY EC	APPROVED BY	FAA WE-R	
CHECKED BY JC	CHECKED BY	DRAWING NUMBER S-3	DEN.
DRAWN BY TL	REG. DR. DT. 11-4-66	BROOMFIELD	





SECTION R3-R3
SCALE: 3/4"=1'-0"

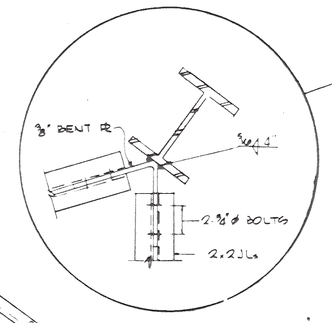


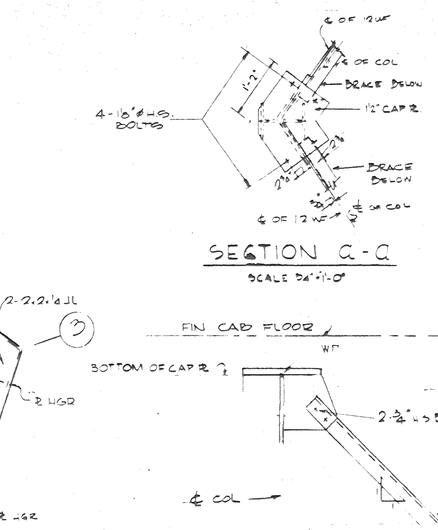
FIFTH FLOOR FRAMING PLAN

FIN FLOOR ELEV. 40'-1" UNLESS OTHERWISE NOTED ON PLAN

TOP OF STEEL IS 4" BELOW FIN FLOOR UNLESS OTHERWISE NOTED ON PLAN THUS: ( )

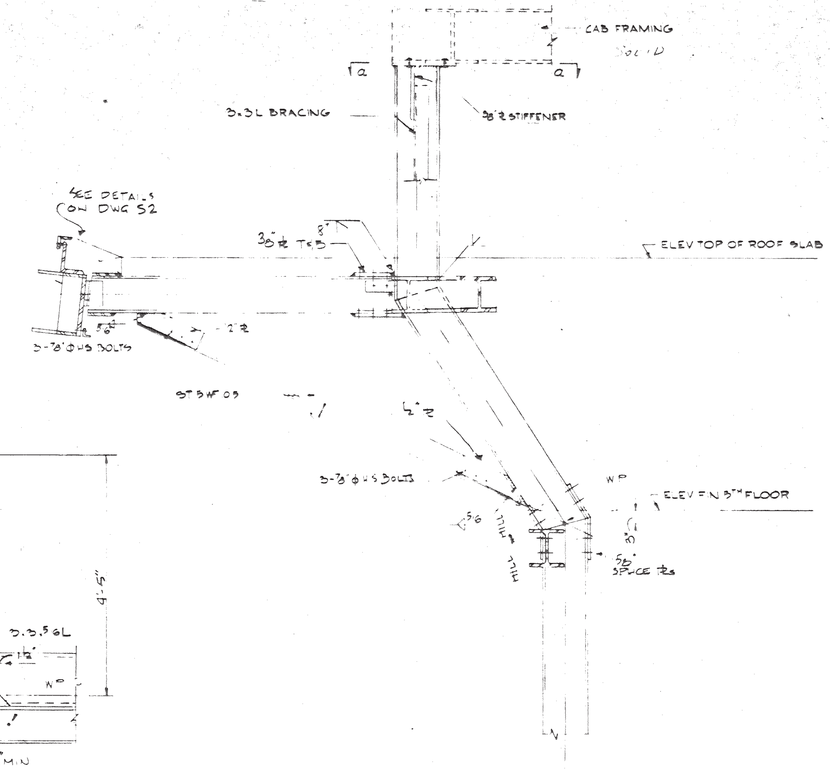
SCALE 3/8"=1'-0"



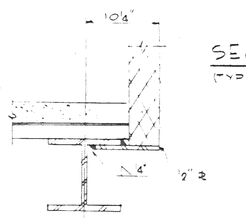


SECTION Q-Q
SCALE 3/4"=1'-0"

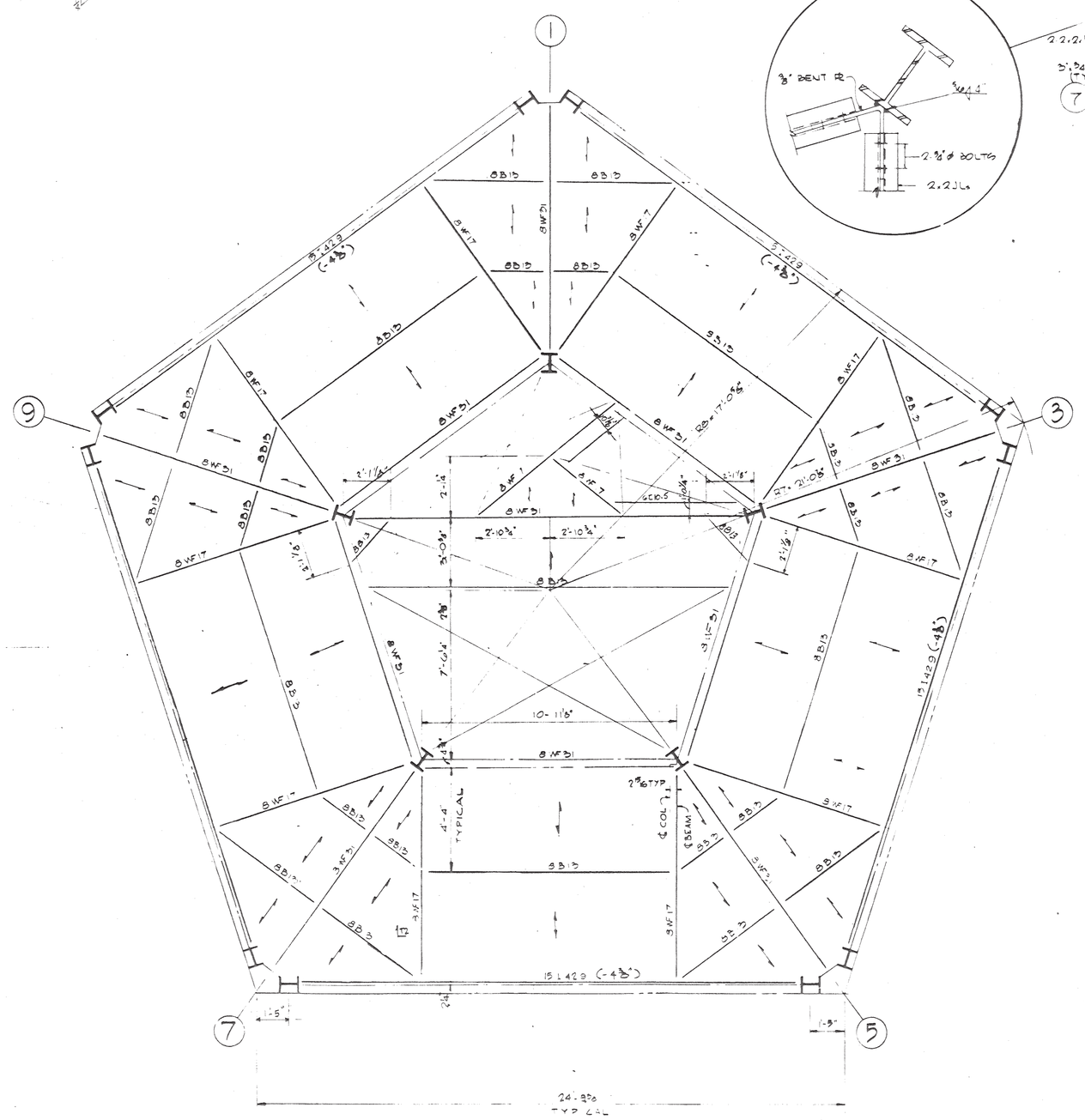
SECTION R2-R2
(TYPICAL FOR ALL BAYS)
SCALE 3/4"=1'-0"



SECTION R1-R1
(TYPICAL FOR ALL BAYS)
SCALE 3/4"=1'-0"



SECTION SC-SC
SCALE 1/2"=1'-0"

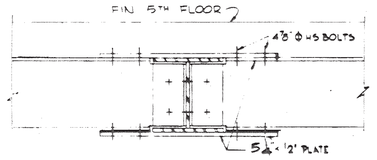


FOURTH FLOOR FRAMING PLAN

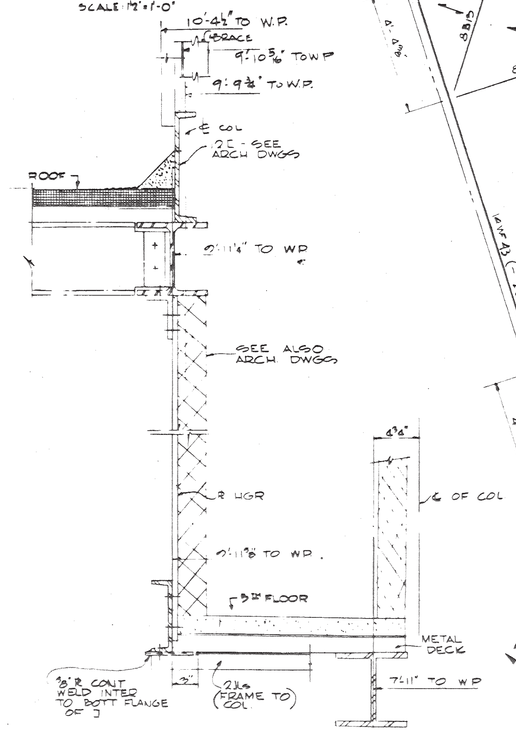
FIN FLOOR ELEV. 32'-2" UNLESS OTHERWISE NOTED ON PLAN

TOP OF STEEL IS 4" BELOW FIN FLOOR UNLESS OTHERWISE NOTED ON PLAN THUS: ( )

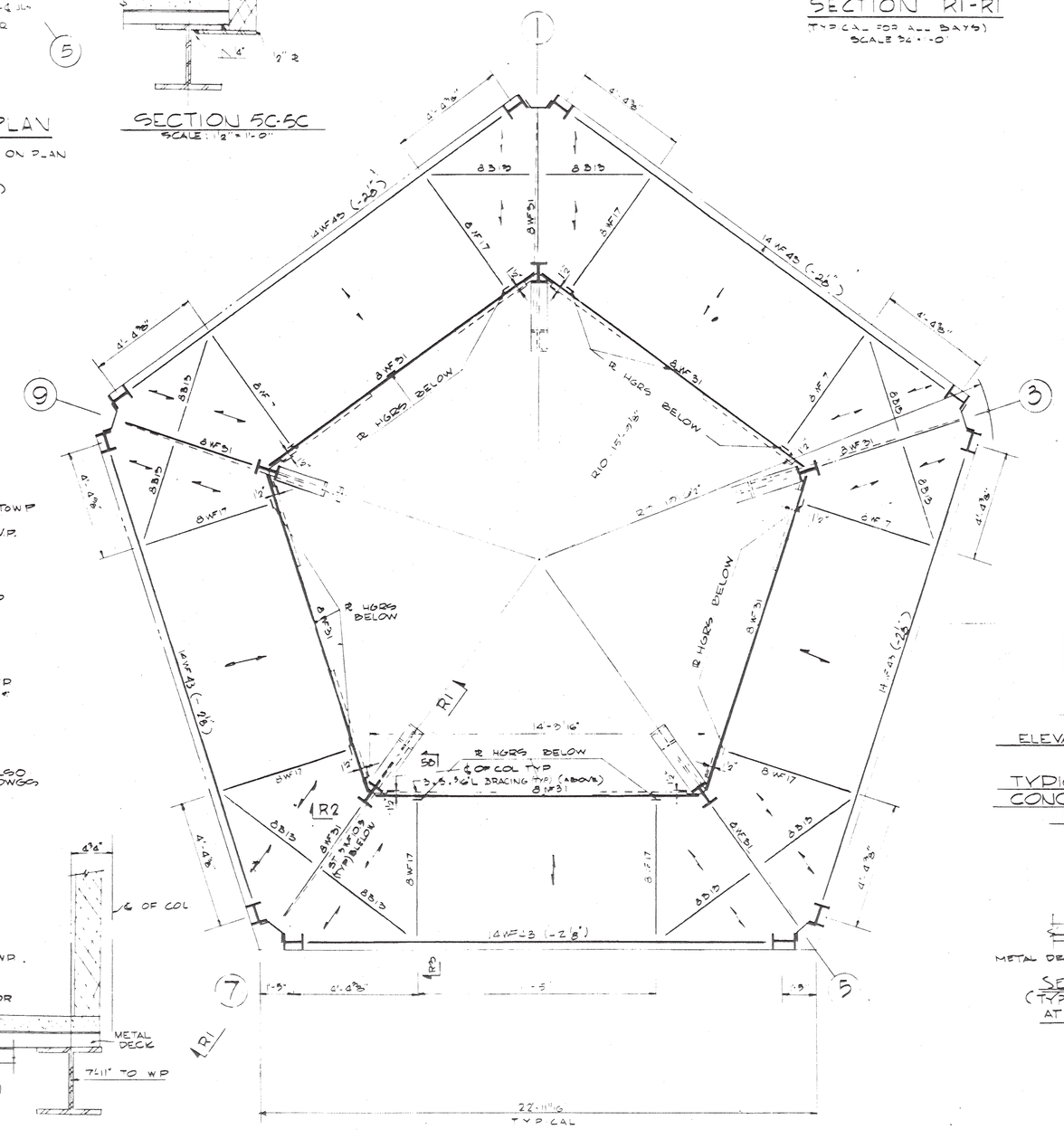
SCALE 3/8"=1'-0"



SECTION 5A-5A
SCALE 1/2"=1'-0"



SECTION 3B-3B
SCALE 1/2"=1'-0"
(TYPICAL ALL AROUND)

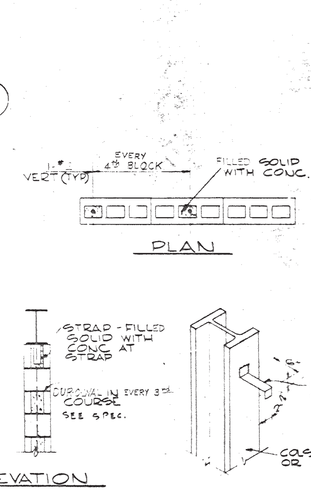


ROOF FRAMING PLAN

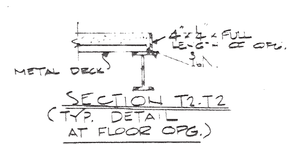
TOP OF ROOF SLAB ELEV. 46'-8" UNLESS OTHERWISE NOTED ON PLAN

TOP OF STEEL IS 5 1/2" BELOW TOP OF ROOF SLAB UNLESS NOTED ON PLAN THUS: ( )

SCALE 3/8"=1'-0"



TYPICAL DETAILS FOR REINFORCING CONCRETE BLOCK MASONRY PARTITIONS FOR SEISMIC ZONE III



SECTION T1-T2
(TYP. DETAIL AT FLOOR OPG.)

NOTES

1. SEE ARCHITECTURAL DWG A-12

Design Combination Revisions	Number	Drawing Ltr	Date	Drawn By	Site Adaption Revisions	Number	Drawing Ltr	Date	Drawn By

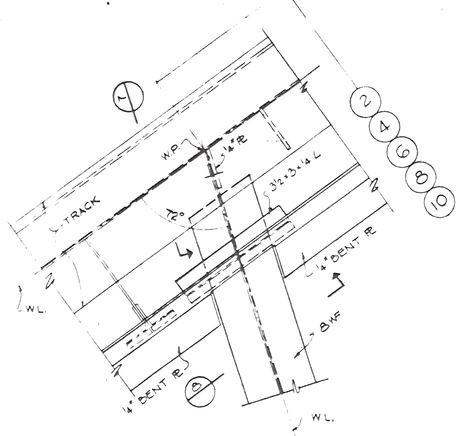
FEDERAL AVIATION AGENCY—AIR TRAFFIC CONTROL TOWER

ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

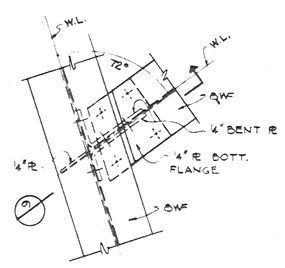
STRUCTURAL ENGINEERS
415 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

MECHANICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

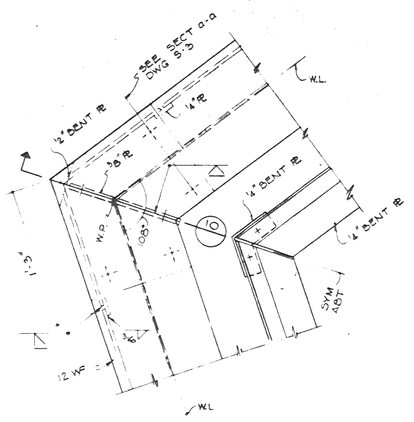
TOWER TYPE: TO-MODIFIED	DESIGN COMBINATION DATE 1-25-66	SITE ADAPTION DATE 2-1-66	SCALE: AS NOTED
	APPROVED BY: FF	APPROVED BY:	FAA WE-R
DRAWING TITLE: FOURTH, FIFTH FLOOR & ROOF FRAMING PLAN	CHECKED BY: JC	CHECKED BY:	MASTER NUMBER: 2C1.M0152.S3
	DRAWN BY: TL	REC. DR. DT. 11-4-66	DRAWING NUMBER: S-3 BROOMFIELD



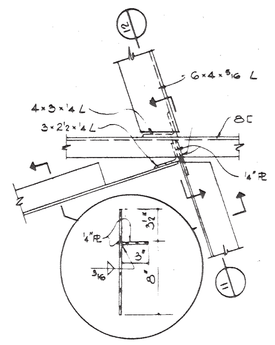
DETAIL "F"
SCALE: 1/2" = 1'-0"



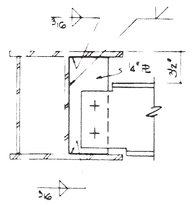
DETAIL "G"
SCALE: 1/2" = 1'-0"



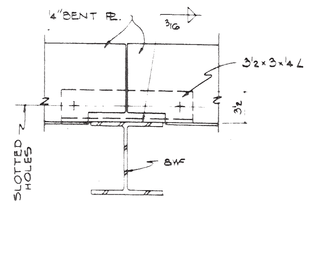
DETAIL "H"
SCALE: 1/2" = 1'-0"



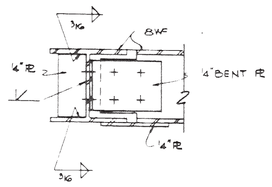
DETAIL "I"
SCALE: 1/2" = 1'-0"



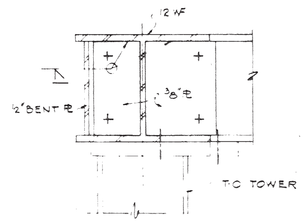
SECTION 7
SCALE: 1/2" = 1'-0"



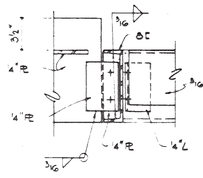
SECTION 8
SCALE: 1/2" = 1'-0"



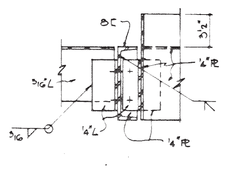
SECTION 9
SCALE: 1/2" = 1'-0"



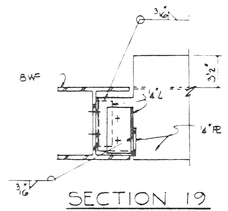
SECTION 10
SCALE: 1/2" = 1'-0"



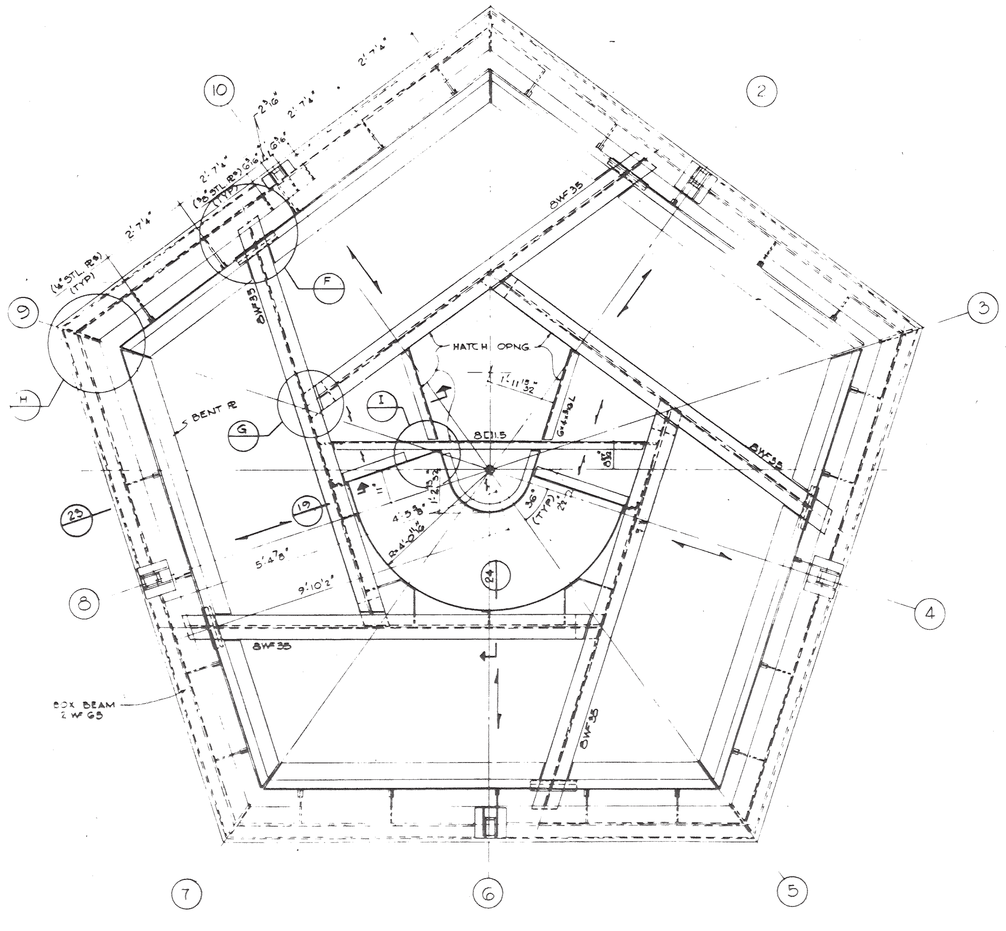
SECTION 11
SCALE: 1/2" = 1'-0"



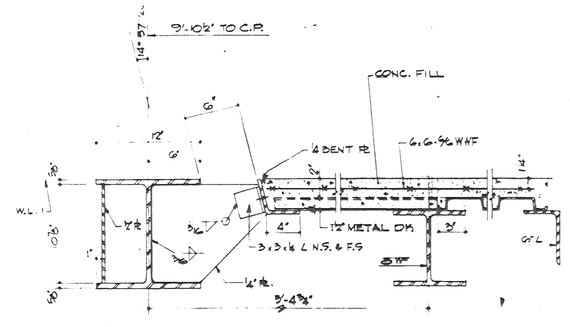
SECTION 12
SCALE: 1/2" = 1'-0"



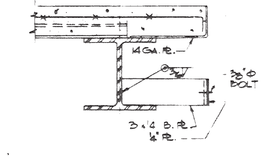
SECTION 19
SCALE: 1/2" = 1'-0"



FLOOR FRAMING PLAN
SCALE: 1/2" = 1'-0"



SECTION 23
SCALE: 1/2" = 1'-0"



SECTION 24
SCALE: 1/2" = 1'-0"

GENERAL NOTES FOR CAB FLOOR

SPECIFICATIONS:

STRUCTURAL STEEL WORK WAS IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, THE AMER. WELDING SOCIETY, AND THE FEDERAL AVIATION AGENCY SPECIFICATION.

MATERIAL:

STRUCTURAL STEEL IS ASTM A-36, EXCEPT THE BOX BM. & COLUMN SECTS. ARE ASTM A-242.

CONNECTIONS:

SHOP CONNECTIONS: WELD AS SHOWN ON DWG'S.
ALL GROVE WELDS WERE FULL PENETRATION UNLESS NOTED
SHOP BOLTS SIMILIAR TO FIELD BOLTS.
FIELD CONNECTIONS: 3/4" H.S., FRICTION TYPE BOLTS, NUTS, AND WASHERS.
FIELD WELDING AS ON DRAWINGS.

DECKING:

SEE FLOOR PLAN FOR DETAILS AND DIRECTION, SHOWN THUS ——
SEE ALSO SPECIFICATIONS. DECKING SHALL BE # 3 SECTION 18 GA. ROBERTSON STEEL DECK OR EQUAL.

FILL ON FLOOR DECKING:

3000 P.S.I. CONCRETE WITH 6 x 6 - 9/6 W.W.F.

DESIGN LOADS:

LIVE LOAD: FLOOR 60 POUNDS PER SQUARE FOOT.
DEAD LOAD: AS COMPUTED.
WIND: 150 MILES PER HOUR.
EARTHQUAKE: THE STRUCTURE HAS BEEN DESIGNED TO WITHSTAND SEISMIC FORCES PRODUCED IN AN EARTHQUAKE ZONE #3. SEE ZONING MAP OF THE CURRENT UNIFORM BUILDING CODE OF THE PACIFIC COAST BUILDING OFFIALS CONFERENCE.

Design Combination Revisions	Number	Drawing Ltr	Date	Drawn by	Site Adaption Revisions	Number	Drawing Ltr	Date	Drawn by

FEDERAL AVIATION AGENCY — AIR TRAFFIC CONTROL TOWER

DONALD LEE ~~SCHLER~~
ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

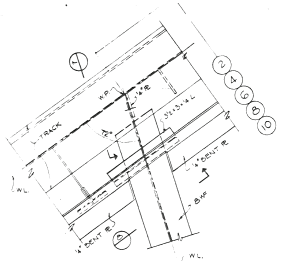
~~FRANKLIN PENZONE SHEPHER STURM DOWLING BANDEL~~
STRUCTURAL ENGINEERS
415 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

MILFORD A. MILES, INC.
MECHANICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

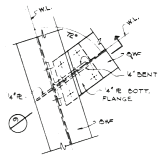
TOWER TYPE: TO MODIFIED

DRAWING TITLE: CAB ROOF & FLOOR PLANS & DETAILS

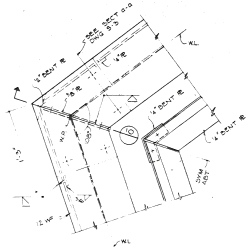
DESIGN COMBINATION DATE 1-26-66	SITE ADAPTATION DATE 2-1-66	SCALE AS NOTED	MASTER NUMBER
APPROVED BY R.F.F.	APPROVED BY	FAA WE-R	
CHECKED BY V.A.D.	CHECKED BY	301-40104 S1	
DRAWN BY R.F.	REC. DR. DT. 11-4-66	DRAWING NUMBER S-4	DEN. BROOMFIELD



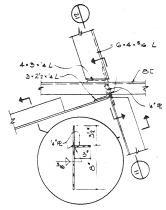
DETAIL "F"
SCALE: 12"=1'-0"



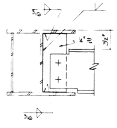
DETAIL "G"
SCALE: 12"=1'-0"



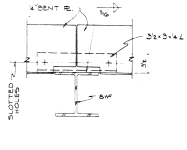
DETAIL "H"
SCALE: 12"=1'-0"



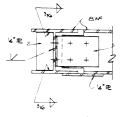
DETAIL "I"
SCALE: 12"=1'-0"



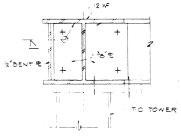
SECTION 7
SCALE: 12"=1'-0"



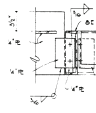
SECTION 8
SCALE: 12"=1'-0"



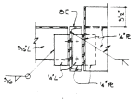
SECTION 9
SCALE: 12"=1'-0"



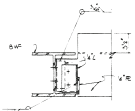
SECTION 10
SCALE: 12"=1'-0"



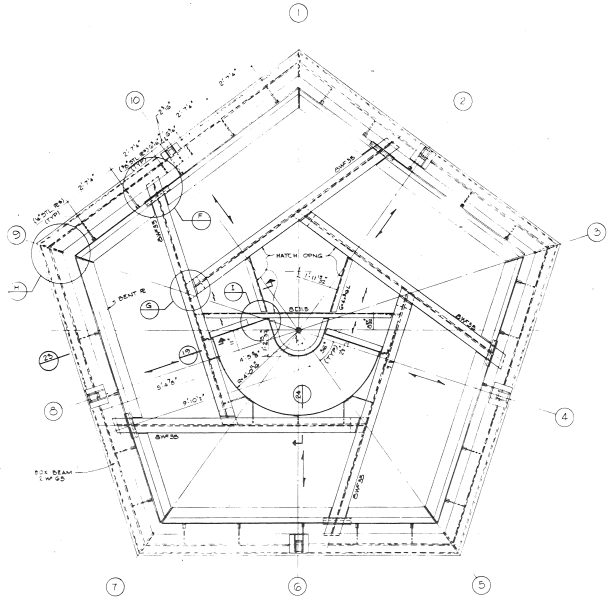
SECTION 11
SCALE: 12"=1'-0"



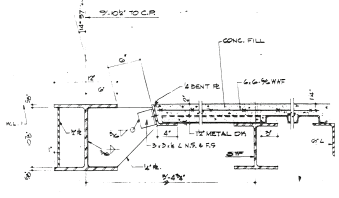
SECTION 12
SCALE: 12"=1'-0"



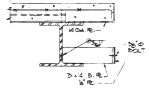
SECTION 19
SCALE: 12"=1'-0"



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



SECTION 23
SCALE: 12"=1'-0"



SECTION 24
SCALE: 12"=1'-0"

GENERAL NOTES FOR CAB FLOOR

SPECIFICATIONS:

STRUCTURAL STEEL WORK WAS IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, THE AMER. WELDING SOCIETY, AND THE FEDERAL AVIATION AGENCY SPECIFICATION.

MATERIAL:

STRUCTURAL STEEL IS ASTM A-36, EXCEPT THE BOX BM. & COLUMN SECTS. ARE ASTM A-242.

CONNECTIONS:

SHOP CONNECTIONS: WELD AS SHOWN ON DWG'S.
ALL GROVE WELDS WERE FULL PENETRATION UNLESS NOTED
SHOP BOLTS SIMILAR TO FIELD BOLTS.
FIELD CONNECTIONS: 3/4" H.S., FRICTION TYPE BOLTS, NUTS, AND WASHERS.
FIELD WELDING AS ON DRAWINGS.

DECKING:

SEE PLOOR PLAN FOR DETAILS AND DIRECTION SHOWN THUS ~~~
SEE ALSO SPECIFICATIONS. DECKING SHALL BE #3 SECTION 18 GA. ROBERTSON STEEL DECK OR EQUAL.

FILL ON FLOOR DECKING:

3000 P.S.I. CONCRETE WITH 6x6-4/6 W.W.F.

DESIGN LOADS:

LIVE LOAD: FLOOR 80 POUNDS PER SQUARE FOOT.
DEAD LOAD: AS COMPUTED.
WIND: 150 MILES PER HOUR.
EARTHQUAKE: THE STRUCTURE HAS BEEN DESIGNED TO WITHSTAND SEISMIC FORCES PRODUCED IN AN EARTHQUAKE ZONE #3. SEE ZONING MAP OF THE CURRENT UNIFORM BUILDING CODE OF THE PACIFIC COAST BUILDING OFFICIALS CONFERENCE.

Design Coordination Revisions	Number	Drawing Ltr	Date	Drawn by	Site Adaption Revisions	Number	Drawing Ltr	Date	Drawn by

FEDERAL AVIATION AGENCY—AIR TRAFFIC CONTROL TOWER

DONALD LEE BROWN
ARCHITECT
ONE CHARLES CENTER
BALTIMORE, MARYLAND

CHARLES SEAGROVE SNYDER, STURM, DOWELL & SANDERS
STRUCTURAL ENGINEERS
415 LEXINGTON AVENUE
NEW YORK 17, NEW YORK

MILFORD A. MILLS, INC.
MECHANICAL ENGINEERS
2621 MARYLAND AVENUE
BALTIMORE, MARYLAND

TOWER TYPE: TO MODIFIED

DRAWING TITLE: CAB ROOF & FLOOR PLANS & DETAILS

DESIGN COORDINATION DATE 1-26-66	SITE ADAPTATION DATE 6-14-66	SCALE AS NOTED	MASTER NUMBER
DRAWN BY [illegible]	APPROVED BY [illegible]	FAA WR-R	
CHECKED BY V.V.D.	APPROVED BY [illegible] P.L.C.	DRAWING NUMBER SOL 40104 S4	
DRAWN BY CF		REC. DR. DT. 11-4-66	S-4 BROOMFIELD