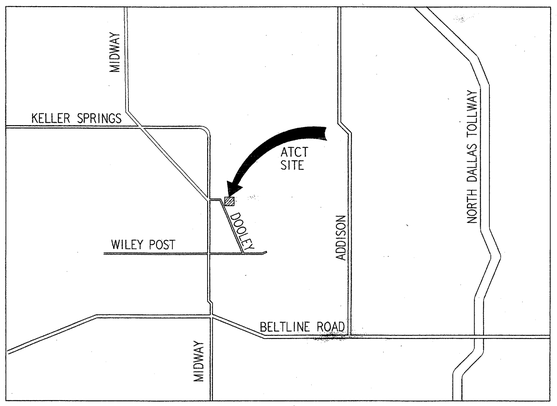
US Department of Transportation
Federal Aviation Administration
Southwest Region

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER (ATCT)
FACILITY
ADDISON AIRPORT
ADDISON, TEXAS

PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP INC.
WORLDWIDE ENGINEERS/CONSTRUCTORS



VICINITY MAP
ADDISON, TEXAS

THESE DRAWINGS ACCOMPANY SPECIFICATION SW-1745 G01

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES S. HARPER 18725 STATE OF TEXAS
James S. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

COVER SHEET

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- G01

REF. DWG.: FF-11

FILENAME: ADS(G01.CST

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ADS-D-ATCT-M002-A	M02/M002	HVAC - EQUIPMENT SCHEDULES
ADS-D-ATCT-M003-A	M03/M003	HVAC - CONTROL DIAGRAMS - ATCT
ADS-D-ATCT-M004-A	M04/M004	HVAC - CONTROL DIAGRAMS - BASE-EG BUILDING
ADS-D-ATCT-M005-A	M05/M005	HVAC - CONTROL DIAGRAMS - BASE-EG BUILDING
ADS-D-ATCT-M006-A	M06/M006	HVAC - FLOOR PLANS
ADS-D-ATCT-M007-A	M07/M007	HVAC - FLOOR PLANS
ADS-D-ATCT-M008-A	M08/M008	HVAC - BASE BUILDING FLOOR PLAN AND ROOM SCHEDULE
ADS-D-ATCT-M009-A	M09/M009	HVAC - ROOF PLAN - BASE-EG BUILDING
ADS-D-ATCT-M010-A	M10/M010	HVAC - ENLARGED PLANS - BASE-EG BUILDING
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SWSD-UST-M07-09		ABOVE GROUND FUEL TANK VAULT
		PLUMBING
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ADS-D-ATCT-P002-A	P02/P002	PLUMBING - RISER DIAGRAMS
ADS-D-ATCT-P003-A	P03/P003	PLUMBING - RISER DIAGRAMS
ADS-D-ATCT-P004-A	P04/P004	PLUMBING - FLOOR PLANS - ATCT
ADS-D-ATCT-P005-A	P05/P005	PLUMBING - FLOOR PLANS - ATCT
ADS-D-ATCT-P006-A	P06/P006	PLUMBING - FLOOR PLAN - BASE-EG BUILDING
ADS-D-ATCT-P007-A	P07/P007	PLUMBING - ENLARGED PLANS - BASE-EG BUILDING
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ADS-ATCT-P009	P09	PLUMBING - DEFOGGER DETAILS - ATCT
ADS-ATCT-P010	P10	PLUMBING - DEFOGGER DETAILS - ATCT
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		ELECTRICAL
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ADS-D-ATCT-E013-A	E13/E013	POWER PLAN - BASE-EG BUILDING
ADS-D-ATCT-E014-A	E14/E014	POWER PLAN - PARTIAL PLANS BASE-EG BUILDING
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ADS-ATCT-E63	E63	GROUNDING DETAILS
ADS-ATCT-E64	E64	ELECTRICAL DETAILS
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ADS-ATCT-E67	E67	ELECTRICAL DETAILS
ADS-ATCT-E68	E68	ELECTRICAL DETAILS
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SWSD-GROUNDING-E02		GROUNDING STANDARDS - TYPICAL CONNECTIONS
SWSD-GROUNDING-E03		GROUNDING STANDARDS - POWER SERVICE DETAILS

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

DRAWING INDEX SHEET

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY | SUBMITTED BY: Edward Hackett, PROJECT ENGINEER, ANI-640 | APPROVED BY: PLATFORM MANAGER, ANI-640

DESIGNED: ED HACKETT | DRAWN: KS | CHECKED | ISSUED BY: NAS IMPLEMENTATION ANI-600 | DATE: 06-23-03 | JCN: 9700164

DRAWING NO: ADS-D-ATCT-G002 | REV: A

GENERAL ABBREVIATIONS

	A
A/C	AIR CONDITIONING
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AB	ANCHOR BOLT
ABV	ABOVE
AC	ASPHALT CONCRETE
ACB	ACOUSTICAL CEILING BAFFLES
ACI	AMERICAN CONCRETE INSTITUTE
ACM	ASBESTOS CONTAINING MATERIAL
AD	AREA DRAIN
ADH	ADHESIVE
ADJ	ADJACENT, ADJUSTABLE
AEA	AREA OF EVACUATION ASSISTANCE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AL	ALUMINUM
ALT	ALTERNATE
AM	ANTE MERIDIEM
ANCH	ANCHOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATELY
ARCH	ARCHITECT, ARCHITECTURAL
ARTS	AUTOMATED RADAR TERMINAL SYSTEM
ASB	ASBESTOS
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPH	ASPHALT
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERS
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATC	ACOUSTICAL TILE CEILING
ATM	ATMOSPHERE
AUTO	AUTOMATIC, AUTOMATION
AUX	AUXILIARY
AVG	AVERAGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORK ASSOCIATION
	B
BATT	BATTEN
BC	BOTTOM OF CURB, BEGIN CURVE
BD	BOARD
BHP	BRAKE HORSEPOWER
BK	BRICK
BL	BUILDING LINE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM, BENCH MARK
BOC	BOTTOM OF CONDUIT
BOCA	BUILDING OFFICIALS & CODE ADMINISTRATION
BOD	BOTTOM OF DUCT
BOF	BOTTOM OF FOOTING
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BR	BROWN
BRG	BEARING
BRKT	BRACKET
BSMT	BASEMENT
BTW	BETWEEN
	C
°C	DEGREES CELSIUS
C	COMMUNICATION DUCT OR LINE
C/C	CENTER TO CENTER
CAB	CABINET
CAP	CAPACITY
CB	CATCH BASIN
CC	COMMON CONSOLES
CCMS	CENTRAL CONTROL AND MONITORING SYSTEM
CF	CUBIC FOOT/FEET
CHKD	CHECKERED
CI	CURB INLET, CAST IRON
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLJ	CONTROL JOINT
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT, COMPANY
COL	COLUMN
COMB	COMBINATION
COMM	COMMUNICATIONS
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUE, CONTINUATION, CONTINUOUS
CONTR	CONTRACTOR
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CP	CONTROL PANEL
CPC	CRITICAL POWER CENTER
CPM	CRITICAL PATH MATRIX
CPT	CARPET
CSK	COUNTERSINK
CT	CERAMIC TILE
CTR	CENTER
CU FT	CUBIC FOOT/FEET
CU YD	CUBIC YARD(S)
CY	CUBIC YARD(S)
	D
D	DEPTH
DB	DECIBEL
DBL	DOUBLE
DDCP	DIRECT DIGITAL CONTROL PANEL
DEG	DEGREE
DEMO	DEMOLITION
DET	DETAIL
DF	DRINKING FOUNTAIN
DFP	DOOR AND FRAME PAINT
DGP	DATA GATHERING PANEL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISCH	DISCHARGE
DISP	DISPENSER
DISTR	DISTRIBUTION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DAMPPROOF, DUSTPROOF
DR	DOOR, DRAIN
DS	DOWNSPOUT
DT	DUST-TIGHT
DW	DISHWASHER
DWG(S)	DRAWING(S)
DWL	DOWEL
	E
E	EAST
EA	EACH
EC	END OF CURVE
ECC	ECCENTRIC
ECP	ENGINE CONTROL PANEL
EF	EACH FACE
EFF	EFFICIENCY
EG	ENGINE GENERATOR
EJ	EXPANSION JOINT
EL	ELEVATION (HEIGHT)
ELEC	ELECTRIC
ELEM	ELEMENTARY
ELEV	ELEVATOR
EMERG	EMERGENCY
EMH	ELECTRICAL MANHOLE
ENCL	ENCLOSURE
ENT	ENTERING
ENTR	ENTRANCE
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
ET	ELECTRICAL HEAT TRACE
ETC	ET CETERA
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXIST	EXISTING
EXP	EXPOSED, EXPANSION
EXT	EXTERIOR, EXTERNAL
	F
°F	DEGREES FAHRENHEIT
F TO F	FACE TO FACE
FA	FIRE ALARM
FAA	FEDERAL AVIATION ADMINISTRATION
FACP	FIRE ALARM CONTROL PANEL
FD	FLOOR DRAIN, FIRE DAMPER
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FACTORY FINISH, FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
FH	FIRE HYDRANT
FIN	FINISH
FL	FLOOR, FLOW LINE
FLG	FLANGE
FLMT	FLUSH MOUNT
FLUOR	FLUORESCENT
FM	FACTORY MUTUAL
FOC	FACE OF CONCRETE
FOG	FACE OF GIRT
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FIREPROOF, FIREPROOFED
FR	FROM, FIRE RATED
FS	FAR SIDE, FLOOR SINK, FLOW SWITCH
FT	FOOT, FEET
FTG	FOOTING, FITTING
FUT	FUTURE
FVC	FIRE VALVE CABINET
FW	FIELD WELD
FWD	FORWARD
	G
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BEAM, GRAB BAR
GEN	GENERAL, GENERATOR
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFM	GOVERNMENT FURNISHED MATERIAL
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS , GLAZING
GND	GROUND
GOVT	GOVERNMENT
GR	GRADE
GRTG	GRATING
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
	H
HB	HOSE BIBB
HC	HANDICAPPED ACCESSIBLE
HD	HEAD
HDNR	HARDENER
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HEX	HEXAGON
HM	HOLLOW METAL
HOA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSEPOWER, HIGH POINT
HPFS	HIGH POINT FINISHED SURFACE
HPL	HIGH PRESSURE LAMINATE
HR	HOUR
HS	HIGH STRENGTH
HSB	HIGH STRENGTH BOLT
HT, H	HEIGHT
HTD	HAND TOWEL DISPENSER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
	I
IAW	IN ACCORDANCE WITH
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IF	INSIDE FACE
IN	INCH
INCL	INCLUDE
INCM	INCOMING
INST	INSTANTANEOUS
INSTR	INSTRUMENT
INSUL	INSULATE, INSULATION
INT	INTERIOR
INV	INVERT, INVERTOR
	J
JAN	JANITOR
JC	JANITOR CLOSET
JCT	JUNCTION
JST	JOIST
JT	JOINT
	K
K	KIP
	L
L	LENGTH
LAB	LABORATORY
LAM	LAMINATE
LAT	LATERAL
LAV	LAVATORY
LCP	LOCAL CONTROL PANEL
LF	LINEAR FEET
LG	LARGE
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LP	LOW POINT
LTG	LIGHTING
LVR	LOUVER
	M
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MTL	METAL
MH	MANHOLE
MIL	THOUSANDTH OF AN INCH
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MM	MILLIMETER
MO	MASONRY OPENING
MOD	MODIFY, MODIFICATION
MPID	MICROWAVE PERIMETER INTRUSION DETECTION
MTD	MOUNTED
MULL	MULLION
	N
N	NORTH
NA	NOT APPLICABLE
NC	NORMALLY CLOSED, NOISE CRITERIA
NEC	NATIONAL ELECTRICAL CODE
NEG	NEGATIVE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER, NORMALLY OPEN, NET OPENING
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
	O
OC	ON CENTER
OD	OUTSIDE DIAMETER/OVERFLOW DRAIN
OF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OSB	ORIENTED STRAND BOARD
	P
PA	PUBLIC ADDRESS
PART BD	PARTICLE BOARD
PB	PUSHBUTTON
PC	PROTECTIVE COATING
PCC	PORTLAND CEMENT CONCRETE
PCF	POUNDS PER CUBIC FOOT
PERIM	PERIMETER
PH	PHASE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE, PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLCS	PLACES
PLYWD	PLYWOOD
PM	POST MERIDIEM
PNL	PANEL
POC	POINT OF CURVE, POINT OF CONNECTION
POS	POSITIVE, POSITION
POVC	POINT ON VERTICAL CURVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAGE
PTD	PAPER TOWEL DISPENSER
PTD/R	PAPER TOWEL DISPENSER AND RECEPTACLE
PTN	PARTITION
PVC	POLYVINYL CHLORIDE,
PVMT	PAVEMENT
POLY	POLYETHYLENE
	Q
QT	QUARRY TILE
QTY	QUANTITY
	R
R	RED, RISER, RADIUS
RB	RUBBER BASE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RDTR	RADIATOR
REBAR	REINFORCING STEEL BAR
REF	REFERENCE
REFG	REFRIGERATOR
REINF	REINFORCEMENT, REINFORCED
REQD	REQUIRED
REV	REVISION
RF	RUBBER FLOORING TILE
RGS	RIGID GALVANIZED STEEL
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHWS	ROUND HEAD WOOD SCREW
RM	ROOM
RML	RADAR MICROWAVE LINK
RMMS	REMOTE MAINTENANCE MONITORING SYSTEM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RVS	REVERSE
	S
S	SOUTH
SAP	SOUND ABSORBING PANEL
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SCHEM	SCHEMATIC
SD	SOAP DISPENSER, STORM DRAIN
SECT	SECTION
SEP	SEPARATOR
SFCMU	SPLIT FACE CONCRETE MASONRY UNIT
SGL	SINGLE
SH	SHOWER
SHT	SHEET
SIM	SIMILAR
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SMMC	SYSTEM MAINTENANCE MONITORING CONSOLE
SMMTD	SURFACE MOUNTED MULTI-ROLL TISSUE DISPENSER
SMSD	SURFACE MOUNTED SOAP DISPENSER
SMTCD	SURFACE MOUNTED TOILET SEAT COVER DISPENSER
SNTV	SANITARY NAPKIN AND TAMPON VENDOR
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SPEC	SPECIFICATIONS
SPKR	SPEAKER
SRWR	SEMI-RECESSED WASTE RECEPTACLE
SQ FT	SQUARE FOOT/FEET
SS	SANITARY SEWER/SERVICE SINK
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRD	STRANDED
STRUCT	STRUCTURAL
SUPV	SUPERVISOR
SURF	SURFACE
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYNC	SYNCHRONIZE
SYS	SYSTEM
	T
T	TREAD, TANGENT DISTANCE
TBD	TO BE DETERMINED
TC	TOP OF CURB
TCTD	TOILET SEAT COVER AND TISSUE DISPENSER
TEL	TELEPHONE
TELCO	TELEPHONE COMPANY
TEMP	TEMPERATURE
TEW	TEMPORARY EXTERIOR WALL
THK	THICK/THICKNESS
TOC	TOP OF CONCRETE
TOD	TOP OF DUCT
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TPD	TOILET PAPER DISPENSER
TYP	TYPICAL
	U
UBC	UNIFORM BUILDING CODE
UC	UNDERCUT
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPC	UNIFORM PLUMBING CODE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UR	URINAL
UTIL	UTILITY
	V
VAT	VINYL ASBESTOS TILE
VB	VINYL BASE
VBT	VINYL BASE AND TRIM
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VEL	VELOCITY
VERT	VERTICAL
VEST	VESTIBULE
VGWB	VINYL SURFACED GYPSUM WALLBOARD
VIF	VERIFY IN FIELD
VP	VACUUM PRODUCER
VS	VIBRATION SWITCH
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
	W
W	WEST, WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER, WALL HYDRANT
WO	WINDOW OPENING
WP	WATERPROOF, WORKING POINT
WR	WATER RESISTANT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

△	CENTRAL ANGLE OF CURVE
℄	CENTERLINE
'	FEET OR MINUTES
"	INCHES OR SECONDS
Ø	DIAMETER, ROUND

G03

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

GENERAL ABBREVIATIONS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E.DANE
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- G03

REF. DWG.:

FILENAME= ADS\G003.CAT

GENERAL LEGEND

REFERENCE

COLUMN LINE GRID DESIGNATION — A / 1

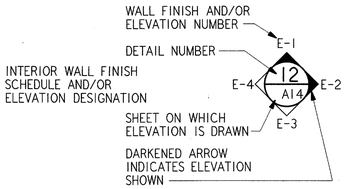
CENTER LINES

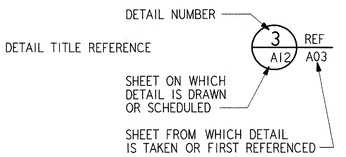
MATCH LINE SYMBOL — FOR CONT SEE DWG A005

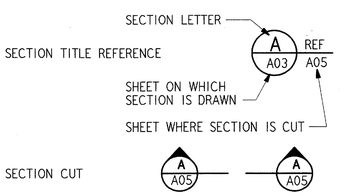
BREAK LINES

ELEVATION SYMBOL — EL 00.00'

OUTLINE OF OBJECT ABOVE OR BEYOND







SECTION CUT — A/A05 — A/A05

PARTIAL SECTION CUT — A/A10

ELEVATION REFERENCE — E1/A12

NORTH ARROW — N

ROOM/AREA NUMBER — B120

REVISION — CLOUD TO ENCOMPASS REVISED AREA

REVISION DESIGNATION — A

WORK BY OTHERS

ARCHITECTURAL LEGEND

MATERIALS

EARTH, ETC	EARTH	GRAVEL	SAND	
CONCRETE, ETC	CONC	ASPH		
METALS	STEEL	ALUMINUM	OTHER	I L STRUCT, STL
MASONRY	BLOCK	BRICK	TILE	
WOOD	FINISH EL	BLKG	STUD PART	PLYWD
GYPSUM				
GLASS	LG, SCALE	SM, SCALE	ELEV	
INSULATION	BATT OR LOOSE	RIGID	RIGID	

SYMBOLS

ATC PANEL

FUTURE ATC PANEL

RECESSED LIGHT FIXTURE

SUPPLY AIR CEILING DIFFUSER

RETURN AIR CEILING REGISTER

TRANSFER AIR GRILLE

ELECTRICAL PANEL

SUPPLY AIR DUCT

ROOM NUMBER — XXX

PARTITION TYPE

1-HR RATED PARTITION

2-HR RATED PARTITION

DOOR NUMBER — B72

WINDOW NUMBER — W1

FLOOR DRAIN — FD

FLOOR HATCH

STEEL LADDER

SUMP

SERVICE SINK — FLOOR MOUNTED

LAVATORY

URINAL

WATER CLOSET — WALL MOUNTED

ELECTRIC WATER COOLER — WALL HUNG (HANDICAP)

LOCKERS

FIRE EXTINGUISHER — FE

FIRE EXTINGUISHER CABINET — FEC SURFACE MOUNTED; FEC SEMI-RECESSED

CIVIL LEGEND

CABLE TV LINE:
- OVERHEAD — TV
- UNDERGROUND — TV UG

HANDHOLE

GAS LINE — G

FUEL OIL SUPPLY — FOS

FUEL OIL RETURN — FOR

STEAM LINE — STM

CONDENSATE RETURN — CR

COOLING TOWER WATER SUPPLY — CTS

COOLING TOWER WATER RETURN — CTR

CHILLED WATER RETURN — CWR

CHILLED WATER SUPPLY — CWS

CLEANOUT — CO

IRRIGATION LINE — IR

SPRINKLER HEADS

FIRE HYDRANT — FH

PLUG OR BLIND FLANGE

POST INDICATOR VALVE

FENCE:
- CHAIN LINK
- BARBED WIRE OR WELDED WIRE FABRIC
- SECURITY
- SILT FENCE (EROSION CONTROL)

ELECTRIC POWER LINE:
- OVERHEAD — P
- UNDERGROUND — P UG

TELEPHONE LINE:
- OVERHEAD — T
- UNDERGROUND — T UG

CONDUIT

UNDERGROUND ELECTRIC DUCT BANK

UTILITY POLE

ELECTRIC BUSS DUCT SUPPORT

TRANSFORMER

STREET LIGHT

FLOOD LIGHTS

SWITCHING COMPARTMENT — S

SEWER (SANITARY OR COMBINATION) — SS

STORM DRAIN LINE — SD

FUEL OIL VENT — FOV

DIRECTION OF FLOW

WATER LINE — W

FIRE LINE — F

BUILDING

MANHOLE

ELECTRIC MANHOLE — EMH

CATCH BASIN OR CURB INLET — CB OR CI

GATE VALVE

CHECK VALVE

BLOW-OFF VALVE — BO

AIR RELEASE VALVE — AR

CULVERT

PROPERTY LINE

EASEMENT LINE

CENTER LINE

FORCE MAIN — FM

INDUSTRIAL WATER — IW

SPLICE BOX

SOIL BORING — BH-2

SPOT ELEVATIONS - GRADE 27.5; GUTTER 27.51 G; TOP OF CURB 27.52 C; TOP OF WALL 27.53 TW; PAVEMENT 27.54 P

CONTOUR LINE — 27

GRADE BREAK — GB

EMBANKMENT — TOP

TREES:
- DECIDUOUS (WITH DIAMETER) — 24"
- EVERGREEN (WITH DIAMETER) — 18"

SHRUBS

ASPHALT PAVING

PCC (PORTLAND CEMENT CONCRETE)

CRUSHED ROCK

GRASSED AREA

LIMITS OF RECONSTRUCTED OR NEW ASPHALT PAVEMENT — XXXXXXX / XXXXXXX

G04

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT — JAMES E. HARPER — 16725 — STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

LEGEND-ARCHITECTURAL/CIVIL

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS	ISSUED BY AIRWAY FACILITIES DIVISION	DATE: 06-22-01
REVIEWED: A. AMBARDEKAR		DRAWING NUMBER: ADS-ATCT- G04
ORIG. DFT.: E. DANE		
FACILITY:		

REF. DWG.:

FILENAME: ADS\G004.LET

MECHANICAL LEGEND

PIPING

SIZE TYPE

CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
CTS	COOLING TOWER WATER SUPPLY
CTR	COOLING TOWER WATER RETURN
JWS	JACKET WATER SUPPLY
JWR	JACKET WATER RETURN
STM	STEAM
CR	CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
PC	PUMPED CONDENSATE
ID	INDIRECT DRAIN
RV	REFRIGERANT VENT
GW	GLYCOL WATER

- PITCH DOWN IN DIRECTION OF ARROW
- ANCHOR
- ALIGNMENT GUIDE
- EXPANSION JOINT
- FLEXIBLE HOSE (FLANGED ENDS)
- FLEXIBLE HOSE (SCREWED ENDS)
- FLEXIBLE PIPE CONNECTOR
- FLUID FLOW DIRECTION
- AIR ELIMINATOR
- TEST COCK
- PRESSURE GAGE WITH COCK
- VALVE AND BLIND FLANGE
- PIPE HEADER WITH BLIND FLANGE
- AAV — AUTOMATIC AIR VENT
- PIPE TURNING UP
- PIPE TURNING DOWN
- BOTTOM PIPE TAP
- 45° ELBOW
- ET — ELECTRIC HEAT TRACE
- THERMOWELL WITH THERMOMETER
- FLOW CONTROL BALL VALVE
- FLOW CONTROL VALVE
- SIGHT GLASS
- FLOW METER
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- STRAP-ON SENSOR
- WELD CAP
- CAPPED PIPE/OUTLET
- PLUGGED PIPE/OUTLET
- PLUG VALVE
- BALL VALVE
- BUTTERFLY VALVE
- S — SOLENOID VALVE
- M — MOTOR OPERATED CONTROL VALVE
- M — THREE-WAY CONTROL VALVE
- UNION
- STRAINER WITH BLOWDOWN VALVE
- BALANCING VALVE
- GATE VALVE
- ANGLE VALVE
- GLOBE VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF OR SAFETY VALVE
- THERMOMETER
- PUMP
- CIRCULATING PUMP
- PETE'S PLUG

DUCTWORK

SINGLE LINE

- F — FILTER
- C/C — COOLING COIL
- H/C — HEATING COIL
- LOUVER
- M — MOTORIZED PARALLEL BLADE DAMPER
- BACKDRAFT DAMPER
- M — MOTORIZED OPPOSED BLADE DAMPER
- E — ELECTRIC HEATING COIL
- BAROMETRIC DAMPER
- AFMS — AIR FLOW MEASURING STATION
- HUMID — HUMIDIFIER
- UNIT HEATER
- M — PROPELLER FAN
- FAN
- FAN WITH VARIABLE INLET VANE DAMPER
- MOTOR STARTER
- EXHAUST/INTAKE HOOD
- RIGID DUCTWORK
- FLEXIBLE DUCTWORK

DOUBLE LINE

- PIPE OR ROUND DUCT CROSS SECTION
- 20X10 — RECTANGULAR DUCT (FIRST FIGURE IS SIDE SHOWN)
- LINED DUCT
- FLEXIBLE DUCT
- FLEXIBLE CONNECTION
- VD, CD — VOLUME DAMPER, CONTROL DAMPER
- FD, SD — FIRE DAMPER, SMOKE DAMPER
- FD/SD — COMBINATION FIRE/SMOKE DAMPER
- TURNING VANES
- EXTRACTOR
- OUTSIDE AIR INTAKE (UP OR OUT)
- OUTSIDE AIR INTAKE (DOWN)
- SUPPLY DUCT (UP OR OUT) OR GRAPHIC DISPLAY ANNUNCIATOR PANEL
- SUPPLY DUCT (DOWN)
- RETURN OR EXHAUST DUCT (UP OR OUT)
- RETURN OR EXHAUST DUCT (DOWN)
- SIZE / CFM — SUPPLY REGISTER OR GRILLE
- SIZE / CFM — RETURN OR EXHAUST REGISTER OR GRILLE
- SIZE / CFM — OUTSIDE FRESH AIR INTAKE
- ROUND CEILING DIFFUSER (SUPPLY) — SIZE / CFM
- SQUARE CEILING DIFFUSER (SUPPLY) — SIZE / CFM
- DOOR LOUVER
- DUCT RISE
- DUCT DROP
- TRANSITION-RECTANGULAR TO ROUND
- BD — BACKDRAFT DAMPER
- SPD — STATIC PRESSURE DAMPER
- VARIABLE VOLUME TERMINAL
- VARIABLE VOLUME TERMINAL WITH REHEAT
- FINNED TUBE RADIATION
- SD — SPLITTER DAMPER

INSTRUMENTATION

TS (H, 101) — MEASURED VARIABLE (TEMPERATURE); MODIFIER (HIGH); INSTRUMENT FUNCTION (SENSOR); INSTRUMENT IDENTIFICATION NUMBER

P3 (L, aV)

- P = PRESSURE
- V = VALVE
- 3 = THIRD PRESSURE INSTRUMENT
- a = SUBLETTER REQUIRED WHEN MORE THAN ONE VALVE IS OPERATED BY CONTROLLER
- L = LOW MODIFIER (IF REQUIRED)

- XX — LOCALLY MOUNTED INSTRUMENT
- XX — MOUNTED ON MAIN CONTROL PANEL
- XX — MOUNTED BEHIND MAIN CONTROL PANEL
- XX — MOUNTED ON LOCAL CONTROL PANEL

CD	CONTROL DAMPER
FI	FLOW INDICATOR
FM	FLOW METER
FS	FLOW SWITCH
FZ	FREEZSTAT
GS	GAS SENSOR
HS	HUMIDITY SENSOR
LS	LEVEL SWITCH
PDI	PRESSURE DIFFERENTIAL INDICATOR
PI	PRESSURE INDICATOR
PS	PRESSURE SENSOR OR PRESSURE SWITCH
S	SMOKE DETECTOR
T	THERMOSTAT
TC	TEMPERATURE CONTROLLER
TI	TEMPERATURE INDICATOR
TIC	TEMPERATURE INDICATING CONTROLLER
TS	TEMPERATURE SENSOR
VS	VIBRATION SWITCH

- DDCP INTERFACE
- X — DDCP DATA INPUT/OUTPUT
- DI — DIGITAL INPUT TO DDCP
- DO — DIGITAL OUTPUT FROM DDCP
- AI — ANALOG INPUT TO DDCP
- AO — ANALOG OUTPUT FROM DDCP
- IA — INSTRUMENT AIR LINE
- ELECTRICAL CONDUIT AND WIRING

EQUIPMENT

AHU 200 — EQUIPMENT DESIGNATION; SYMBOL; NUMBER

AC	AIR COMPRESSOR
ACC	AIR COOLED CONDENSING UNIT
ACU	AIR CONDITIONING UNIT
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BP	BOOSTER PUMP
CC	COOLING COIL
CRU	COMPUTER ROOM UNIT
CU	CONDENSING UNIT
CV	CENTRAL VACUUM
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EH	ELECTRIC HEATER
EHC	ELECTRIC HEATING COIL
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
F	FILTER
FC	FAN COIL UNIT
FCV	FLOW CONTROL VALVE
FP	FIRE PUMP
FTR	FINNED TUBE RADIATOR
HC	HEATING COIL
HP	HEAT PUMP
HU	HUMIDIFIER
JP	JOCKEY PUMP
P	PUMP
PTAC	PACKAGE TERMINAL AIR CONDITIONER
RF	RETURN FAN
RTAC	ROOF TOP AIR CONDITIONING UNIT
SAC	SELF CONTAINED AIR CONDITIONING UNIT
SF	SUPPLY FAN
SP	SUMP PUMP
TK	TANK
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME TERMINAL UNIT

G05

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — DAVID M. PFUNDT — 79556 — REGISTERED PROFESSIONAL ENGINEER — 6-22-01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

LEGEND
MECHANICAL

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630
DESIGNED: F. SCHWALL
REVIEWED: D. PFUNDT
ORIG. DFT.: J. MILLER
FACILITY:
ISSUED BY AIRWAY FACILITIES DIVISION
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- G05

FILENAME = ads\g005.jgt

MECHANICAL

ABBREVIATIONS

	A	FEPC	FRONT END PERSONAL COMPUTER	POC	POINT OF CONTACT
A	COMPRESSED AIR LINE	FI	FLANGE INSULATION	PRV	PRESSURE REDUCING VALVE, POWER ROOF VENTILATOR
AAV	AUTOMATIC AIR VENT	FIXT	FIXTURE		
AC	AIR COMPRESSOR	FLD	FUNNEL DRAIN	PSV	PRESSURE SAFETY VALVE
ACU	AIR CONDITIONING UNIT	FLEX	FLEXIBLE	PTRV	PRESSURE-TEMPERATURE RELIEF VALVE
AD	AREA DRAIN, ACCESS DOOR, AIR DRYER	FLG	FLANGE	PV	PLUG VALVE
AFMS	AIR FLOW MEASURING STATION	FM	FLOW METER		
AH	AIR HANDLER	FOL	FUEL OIL LEVEL		R
AIF	AIR INTAKE FILTER	FOR	FUEL OIL RETURN	RA	RETURN AIR
AS	AIR SEPARATOR	FOS	FUEL OIL SUPPLY	RED	REDUCER
ATB	AIR TERMINAL BOX	FOV	FUEL OIL VENT	REG	REGISTER
AV	ACID VENT	FPM	FEET PER MINUTE	RG	RETURN GRILLE
AW	ACID WASTE	FRP	FIBER GLASS REINFORCED PLASTIC	RH	RELATIVE HUMIDITY, RELIEF HOOD
				RHC	REHEAT COIL
	B		G	RL	RAIN LEADER
B	BOILER	GPH	GALLONS PER HOUR	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
BD	BACKDRAFT DAMPER, BLOWDOWN	GPM	GALLONS PER MINUTE	RPM	REVOLUTIONS PER MINUTE
BF	BLIND FLANGE	GR	GRILLE	RR	RETURN REGISTER
BFP	BACK FLOW PREVENTER	GRV	GRAVITY VENT	RV	REFRIGERANT VENT
BFV	BUTTERFLY VALVE	GV	GATE VALVE		
BFW	BOILER FEED WATER	GW	GLYCOL WASTE		S
BHP	BRAKE HORSE POWER	GWH	GAS WATER HEATER	SA	SUPPLY AIR
BLO	BLOWER			SF	SUPPLY FAN
BLV	BALANCING VALVE		H	SMD	SMOKE DETECTOR
BTU	BRITISH THERMAL UNIT	HC	HEATING COIL	SOV	SOLENOID OPERATED VALVE, SHUT-OFF VALVE
BTU/H	BRITISH THERMAL UNIT PER HOUR	HE	HEAT EXCHANGER	SP	SUMP PUMP, STATIC PRESSURE
BV	BALL VALVE	HERM	HERMETIC	SS	SANITARY SEWER
BWP	BACK WATER PREVENTER	HP	HIGH PRESSURE	SSD	SUB SOIL DRAIN
BWV	BACK WATER VALVE	HPS	HIGH PRESSURE STEAM		
		HTG	HEATING		T
	C	HTP	HOT TAP	T	THROAT
CA	COMBUSTION AIR, COMPRESSED AIR	HTR	HEATER	TA	TRANSFER AIR
CC	COOLING COIL	HU	HUMIDITY	TD	THERMAL DETECTOR
CD	CONTROL DAMPER, CEILING DIFFUSER	HW	DOMESTIC HOT WATER	TG	TRANSFER GRILLE
CENT	CENTRIFUGAL	HWL	HIGH WATER LEVEL	TR	TOP REGISTER
CFH	CUBIC FEET PER HOUR	HWR	HEATING WATER RETURN	TW	THERMOWELL
CFM	CUBIC FEET PER MINUTE	HWS	HEATING WATER SUPPLY		
CG	CEILING GRILLE				U
CH	CHILLER		I	UG	USED GLYCOL
CI	CAST IRON	ID	INDIRECT DRAIN	UH	UNIT HEATER
CIR	CIRCULATING	IW	INDUSTRIAL COLD WATER	UV	UNIT VENTILATOR
CO	CLEAN OUT				
COMB	COMBUSTION AIR		J		V
COND	CONDENSATE	JKT	JACKET	V	VENT, SANITARY VENT
CR	CEILING REGISTER	JW	JACKET WATER	VAC	VACUUM
CTR	COOLING TOWER WATER RETURN	JWR	JACKET WATER RETURN	VAV	VARIABLE AIR VOLUME
CTS	COOLING TOWER WATER SUPPLY	JWS	JACKET WATER SUPPLY	VC	VACUUM CLEANING
CU	CONDENSING UNIT			VCP	VITRIFIED CLAY PIPE
CV	CONTROL VALVE, CONSTANT VOLUME		L	VD	VOLUME DAMPER
CW	DOMESTIC COLD WATER	LAT	LEAVING AIR TEMPERATURE	VIV	VARIABLE INLET VOLUME
CWR	CHILLED WATER RETURN	LBS	POUNDS		
CWS	CHILLER WATER SUPPLY	LB/HR	POUND PER HOUR		
CWV	COMBINATION WASTE AND VENT	LCV	LEVEL CONTROL VALVE	WB	WET BULB
		LDP	LEAK DETECTION PANEL	WCO	WALL CLEANOUT
	D	LO	LUBRICATING OIL	WG	WATER GAGE
D	DIFFUSER, DAMPER	LPS	LOW PRESSURE STEAM	WHA	WATER HAMMER ARRESTOR
DB	DRY BULB	LR	LONG RADIUS	WO	WASTE OIL
DOM	DOMESTIC	LWL	LOW WATER LEVEL	WSP	WET STANDPIPE
DT	DRAIN TILE				
			M		
	E	MAN	MANIFOLD, MANUAL		
EA	EXHAUST AIR	MBH	THOUSAND BTU PER HOUR		
EAT	ENTERING AIR TEMPERATURE	MPG	MEDIUM PRESSURE GAS		
EF	EXHAUST FAN	MS	MOP SINK		
EG	EXHAUST GRILLE	MVD	MOTORIZED VOLUME DAMPER		
EHU	ELECTRONIC HUMIDIFIER				
ELL	ELBOW		N		
EP	EXHAUST PIPE	N	NECK		
ER	EXHAUST REGISTER				
ES	EXHAUST SILENCER		O		
ESP	EXTERNAL STATIC PRESSURE	OA	OUTSIDE AIR		
	F	OBD	OPPOSED BLADE DAMPER		
F	FILTER	OS&Y	OUTSIDE SCREW AND YOKE		
FCV	FLOW CONTROL VALVE				
FCO	FLOOR CLEANOUT		P		
FD/SD	COMBINATION FIRE AND SMOKE DAMPER	PD	PRESSURE DROP		
FDC	FIRE DEPARTMENT CONNECTION	PHC	PREHEAT COIL		
FDR	FEEDER	PI	PRESSURE INDICATOR		

MECHANICAL LEGEND

PLUMBING

SYMBOL	ABBREVIATION	DESCRIPTION
	A	COMPRESSED AIR LINE
	CW	DOMESTIC COLD WATER
	CW&V	COMBINATION WASTE & VENT ABOVE FLOOR OR GRADE
	CW&V	COMBINATION WASTE & VENT BELOW FLOOR OR GRADE
	F	FIRE LINE
	G	NATURAL GAS (LOW PRESSURE)
	HW	DOMESTIC HOT WATER SUPPLY
	HWR	DOMESTIC HOT WATER RETURN
	ID	INDIRECT DRAIN
	IW	INDUSTRIAL COLD WATER
	MPG	MEDIUM PRESSURE NATURAL GAS
	ORL	OVERFLOW RAIN LEADER ABOVE FLOOR OR GRADE
	ORL	OVERFLOW RAIN LEADER BELOW FLOOR OR GRADE
	RL	RAIN LEADER ABOVE FLOOR OR GRADE
	RL	RAIN LEADER BELOW FLOOR OR GRADE
	SD	STORM DRAIN ABOVE FLOOR OR GRADE
	SD	STORM DRAIN BELOW FLOOR OR GRADE
	SSD	SUB-SOIL DRAIN
	SS/W	SANITARY SEWER/WASTE ABOVE FLOOR OR GRADE
	SS/W	SANITARY SEWER/WASTE BELOW FLOOR OR GRADE
	V	SANITARY VENT
	VC	VACUUM CLEANING ABOVE FLOOR OR GRADE
	VC	VACUUM CLEANING BELOW FLOOR
	WSP	WET STANDPIPE
	WHA	WATER HAMMER ARRESTER
		DIRECTION OF FLOW
		ANCHOR
	RBFP	REDUCED PRESSURE BACKFLOW ASSEMBLY
	BFP	BACKFLOW PREVENTER
		FLUID FLOW DIRECTION
		PIPE TURNING UP
		PIPE TURNING DOWN
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		CAPPED PIPE/OUTLET
		PLUGGED PIPE/OUTLET
	ES	EMERGENCY SHOWER AND EYEWASH
		RUNNING TRAP
	BV	BALL VALVE
	GV	GATE VALVE
	AV	ANGLE VALVE
	GLV	GLOBE VALVE
	CV	CHECK VALVE
	PRV	PRESSURE REGULATING VALVE
	P/TRV	PRESSURE / TEMPERATURE RELIEF OR SAFETY VALVE
	U	UNION
	HB/WH	HOSE BIBB OR WALL HYDRANT
	FS	FLOOR SINK

PLUMBING

SYMBOL	ABBREVIATION	DESCRIPTION
	FD	FLOOR DRAIN
	OFD	OVERFLOW ROOF DRAIN
	RD	ROOF DRAIN
	FLD	FUNNEL DRAIN, OPEN
	WCO	WALL CLEANOUT OR CLEANOUT PLUG
	FCO	FLOOR CLEANOUT
	CP	CIRCULATING PUMP
	BV	BALANCING VALVE
	GC	GAS COCK
	PV	PLUG VALVE
	FDC	FIRE DEPARTMENT CONNECTION
	SV	SOLENOID VALVE
	OS&Y	OUTSIDE SCREW AND YOKE

G06

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
DAVID M. PFUNDT
79558
REGISTERED PROFESSIONAL ENGINEER
6-22-01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ABBREVIATIONS AND LEGEND
MECHANICAL

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/20/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/23/01

DESIGNED: F. SCHWALL
REVIEWED: D. PFUNDT
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- G06

REF. DWG.:

FILENAME: ads g006. tgt

ELECTRICAL ABBREVIATIONS

A	
A	AMPERE
AC	ALTERNATING CURRENT OR AIR COMPRESSOR
A/C	AIR CONDITIONING
ADJ	ADJACENT OR ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
APPROX	APPROXIMATELY
ARCH	ARCHITECT/ ARCHITECTURAL
ARTS	AUTOMATIC RADAR TERMINAL SYSTEM
ATB	AIR TERMINAL BOX
ATC	ACOUSTICAL TILE CEILING
ATCT	AIRPORT TRAFFIC CONTROL TOWER
AUX	AUXILIARY
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
B	
BD	BOARD
BKR	BREAKER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOT	BOTTOM OF TRAY
BP	BOOSTER PUMP
BTU	BRITISH THERMAL UNIT
C	
C	CONDUIT
CAB	CABINET
CB	CIRCUIT BREAKER
CD	CONTROL DAMPER
CC	COOLING COIL
C/C	CENTER TO CENTER
CFM	CUBIC FEET/MINUTE
CF	CEILING FAN
CH	CHILLER
CKT	CIRCUIT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CO	CONDUIT ONLY
COL	COLUMN
COMB	COMBINATION/COMBINE
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CP OR CNTR PNL	CONTROL PANEL
CTR	CENTER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CENTRAL VACUUM
CW	COLD WATER
CWP	CHILLED WATER PUMP
D	
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGRAM
DISC	DISCONNECT
DISP	DISPENSER
DIST	DISTRIBUTION
DN	DOWN
DP	DEEP
DR	DOOR
DWG	DRAWING
E	
EA	EACH
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
E/G	ENGINE GENERATOR
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EHC	ELECTRIC HEATING COIL
EMERG	EMERGENCY
EMT	ELECTRICAL METAL TUBING
EQ	EQUAL

E (CONTINUED)	
EQUIP	EQUIPMENT
EUH	ELECTRIC UNIT HEATER
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPN	EXPANSION
EXT	EXTERIOR
F	
F	FAHRENHEIT
FA	FIRE ALARM
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN	FINISH
FIX/FIXT	FIXTURE
FL/FLR	FLOOR
FP	FIRE PUMP
FR	FIRE RATED
FT	FEET
FVC	FIRE VALVE CABINET
G	
GA	GAGE
GALV	GALVANIZED
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTING
GFM	GOVERNMENT FURNISHED
G/GND	GROUND
H	
HC	HEATING COIL
HE	HEAT EXCHANGER
HORIZ	HORIZONTAL
HP	HORSE POWER/ HEAT PUMP
HR	HOUR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HVAC	HEATING/ VENTILATING/ AIR CONDITIONING
HW	HOT WATER
HZ	HERTZ
I	
IG	ISOLATED GROUND
J	
J	JUNCTION
JAN	JANITOR
JB	JUNCTION BOX
JP	JOCKEY PUMP
K	
KCMIL	THOUSAND CIRCULAR MILLS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
L	
L	LENGTH
LF	LINEAR FEET
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LVL	LEVEL
M	
MTR	MOTOR
MAINT	MAINTENANCE
MAX	MAXIMUM
MCA	MIN CIRCUIT AMPACITY
MCS	MOLDED CASE SWITCH
MECH	MECHANICAL
MFR	MANUFACTURER
MG	MOTOR GENERATOR
MGP	MAIN GROUND PLATE
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MPGP	MULTI POINT GROUND PLATE
MTD	MOUNTED
MTG	MOUNTING
N	
N	NEUTRAL
NC	NORMALLY CLOSED

N (CONTINUED)	
NEC	NATIONAL ELECTRIC CODE
NO	NUMBER/NORMALLY OPEN
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
P	
P	PUMP
PART	PARTIAL/PARTITION
PEN	PENETRATION
PHC	PREHEAT COIL
PIV	POST INDICATOR VALVE
PL	PLATE
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PVC	POLYVINYL CHLORIDE
PB	PUSH BUTTON
Q	
R	
R	RISER
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RCPT	RECEPTACLE
REF	REFERENCE
REFL	REFLECTED
REINF	REINFORCING
REQD	REQUIRED
REV	REVERSE
RF	RETURN FAN
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RTU	ROOFTOP UNIT A/C
RV	RELIEF VENTILATOR
S	
S	SPEAKER
SA	SUPPLY AIR
SCH	SCHEDULE
SD	SMOKE DAMPER
SECT	SECTION
SF	SUPPLY FAN
SHT	SHEET
SIG	SIGNAL
SIM	SIMILAR
SP	SUMP PUMP
SPEC	SPECIFICATIONS
SPF	STAIRWELL PRESSURIZATION FAN
SPGP	SINGLE POINT GROUND PLATE
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SVF	STAIRWELL VENT FAN
SW	SWITCH
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
T	
T/TEL	TELEPHONE
TLT	TOILET
TOT	TOTAL
TRACON	TERMINAL RADAR APPROACH CONTROL
T-STAT	THERMOSTAT
TWR	TOWER
U	
UGC	UNDERGROUND CABLE/ CONDUIT
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES INC.
V	
V	VOLTAGE
VA	VOLT AMP
VAC	VOLT ALTERNATING CURRENT
VDC	VOLT DIRECT CURRENT
VERT	VERTICAL

W	
W	WATT
W/	WITH
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHERPROOF
X	
XFMR	TRANSFORMER
Y	
Z	

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
A	LIGHT FIXTURE, WALL MOUNTED, LETTER INDICATES TYPE.
A	LIGHT FIXTURE, CEILING MOUNTED, LETTER INDICATES TYPE.
A	1'X4'FLUORESCENT LIGHT FIXTURE, SURFACE OR STEM MOUNTED, LETTER INDICATES TYPE.
A a	2'x4'FLUORESCENT LIGHT FIXTURE, CEILING MOUNTED, LETTER INDICATES TYPE, SUBSCRIPT "a" INDICATES SWITCH CONTROL.
A a	1'x4'FLUORESCENT LIGHT FIXTURE, CEILING MOUNTED, LETTER INDICATES TYPE, SUBSCRIPT "a" INDICATES SWITCH CONTROL.
A a	FLUORESCENT LIGHT FIXTURE, WALL MOUNTED, LETTER INDICATES TYPE, SUBSCRIPT "a" INDICATES SWITCH CONTROL.
A	FLUORESCENT LIGHT FIXTURE, CEILING MOUNTED, LETTER INDICATES TYPE, CROSS-HATCH INDICATES EMERGENCY CKT.
	PORCELAIN KEYLESS SOCKET (CROSS-HATCH INDICATES EMERGENCY CKT.)
TL	CEILING MOUNTED INCANDESCENT TRACK LIGHT
	EXIT LIGHT WITH DIRECTIONAL ARROWS, BRACKET MOUNTED, DARKENED SECTION INDICATES FACE OF FIXTURE, +84", SEE SCHEDULE.
	EXIT LIGHT WITH DIRECTIONAL ARROWS, CEILING OR PENDANT MOUNTED, DARKENED SECTION INDICATES FACE OF FIXTURE, SEE SCHEDULE.
PIII	POLE MOUNTED PARKING LOT LIGHT FIXTURE, LETTER INDICATES TYPE, ROMAN NUMERAL INDICATES IES DISTRIBUTION.
F	SIGN LIGHT, SEE LIGHT FIXTURE SCHEDULE
FL	FLAG POLE LIGHT, SEE LIGHT FIXTURE SCHEDULE
	CONCRETE PULLBOX
	DUPLEX RECEPTACLE, 20A., 125V., +18"(+48" IN MECHANICAL ROOM)
	SPECIAL RECEPTACLE, RATING AS INDICATED ON PLAN, +18"
C	DUPLEX RECEPTACLE MOUNTED IN CEILING
	MULTI-OUTLET ASSEMBLY, +48", DARKENED SECTIONS INDICATE NUMBER OF OUTLETS.
	QUADPLEX RECEPTACLE MTD IN COMMON BOX, UNDER SINGLE PLATE +18"
	QUADPLEX RECEPTACLE MTD IN FLOOR
	TELEPHONE OUTLET, +18" (WALL MOUNTED AT +48", TYP.)
FJ	TELEPHONE OUTLET FOR FIRE FIGHTERS, +48"
	VOICE/DATA COMMUNICATIONS OUTLET, +18"
	TELEPHONE OUTLET, MTD. IN FLOOR
S_a	SINGLE POLE TOGGLE SWITCH, SUBSCRIPT "a" INDICATES FIXTURES TO BE CONTROLLED BY SWITCH. +48"
S_3	3-WAY SWITCH, +48"
S_4	4-WAY SWITCH, +48"
S_D	DIMMER SWITCH, +48"
S_M	SINGLE PHASE MANUAL MOTOR STARTER W/THERMAL ELEMENT. +60"
S_{MC}	MOMENTARY CONTACT SWITCH, +48"
J	JUNCTION BOX MOUNTED IN WALL
J	JUNCTION BOX MOUNTED IN CEILING
	JUNCTION BOX FOR RISER MOUNTED IN CEILING
S	CEILING SPEAKER OUTLET
S	WALL SPEAKER OUTLET, +90"
	DISTRIBUTION PANELBOARD/SWITCHBOARD
	LIGHTING & APPLIANCE PANELBOARD, +72"
	TELEPHONE CABINET, +72"
P	PHOTO ELECTRIC CELL
SC	WALL MOUNTED SECURITY CAMERA
F	FIRE ALARM PULL STATION
F	FIRE ALARM HORN/STROBE +80"
R	FIRE ALARM RELAY
F	FIRE ALARM STROBE ONLY +80"
	DUAL LIGHT EMERGENCY LIGHT WITH BATTERY BACKUP

SYMBOL	DESCRIPTION
FA	FIRE ALARM CONTROL PANEL, +72" TO TOP OF PANEL
ANN	FIRE ALARM ANNUNCIATOR, +72" TO TOP OF PANEL
	FIRE ALARM HEAT DETECTOR 90\, FIXED & RATE OF RISE
I P U	FIRE ALARM SMOKE DETECTOR, I=IONIZATION P=PHOTO U=UNDERFLOOR
	FIRE ALARM DUCT SMOKE DETECTOR
TS	TAMPER SWITCH
	WATER FLOW ALARM SWITCH
SV	SOLENOID VALVE
	PRE-ACTION SPRINKLER SYSTEM RISER ASSEMBLY
	HOMERUN TO PANELBOARD, HATCH MARKS INDICATE NUMBER OF WIRES IN CONDUIT, NO HASH MARK INDICATES 3/4"C, 2#12, 1#12 GND., UNLESS OTHERWISE NOTED
	EXPOSED CONDUIT
	CONCEALED CONDUIT
	UG CONDUIT
	CONDUIT DOWN
	CONDUIT UP
	CONDUIT SEAL
T	TELEPHONE RACEWAY TO TELCO ROOM, 3/4" UNLESS OTHERWISE NOTED
F	FIRE ALARM SYSTEM CIRCUIT
E	EMERGENCY CIRCUIT
TV	TELEVISION ANTENNA SYSTEM RACEWAY
UG	UNDERGROUND CONDUIT
	GROUND ROD CONNECTION
2	MOTOR; NUMBER INDICATES HORSEPOWER
	DISCONNECT SWITCH, NON-FUSED, UNLESS OTHERWISE NOTED +60"
PB	PULL BOX - SIZE PER NEC
	MOTOR CONTROL PUSH-BUTTON STATION, +60"
	MAGNETIC STARTER, +60"
	COMBINATION MAGNETIC STARTER W. FUSED DISCONNECT, UNLESS OTHERWISE NOTED, +60"
T	TRANSFORMER, VOLTAGE AS INDICATED
	PUSHBUTTON, +48"
	FUSIBLE SWITCH
	CIRCUIT BREAKER (TYPE AS SPECIFIED)
	COPPER CLAD GROUND ROD W/GROUND CABLE
F	SUBSCRIPT "F" APPLIED TO ANY SYMBOL INDICATES FLOOR MOUNTING
GFI	GROUND FAULT INTERRUPTING DEVICE
K	SUBSCRIPT "K" APPLIED TO ANY SYMBOL INDICATES KEY OPERATED
W	SUBSCRIPT "W" APPLIED TO ANY SYMBOL INDICATES DEVICE MOUNTED ON WALL AT +48" UNLESS OTHERWISE INDICATED
WP	SUBSCRIPT "WP" APPLIED TO ANY SYMBOL INDICATES WEATHERPROOF NEMA TYPE 4 OR EQUIVALENT
GFM	GOVERNMENT FURNISHED MATERIAL
+18"	MOUNTING HEIGHTS SHOWN (W/SYMBOL) TO CENTER OF DEVICE, AFF
D_{UG}	UNDERGROUND ELECTRICAL DUCT BANK
	AIR TERMINAL
CRS	CARD READING SENSOR
DS	DOOR SWITCH
DL	DOOR LOCK
MSM	MULTI-SWITCH MONITOR
RDP	REMOTE DOOR RELEASE PANEL
ACU	ACCESS CONTROLLER UNIT
PB	PUSHBUTTON TO EXIT IN SECURE AREA
KS	KEY BYPASS SWITCH

PANEL DESIGNATION DESCRIPTION

EXAMPLES:

DISTRIBUTION PANELBOARDS

XXXXXX
- PANEL NUMBER (OR LETTER)
- VOLTAGE (H-480V., L-208V.)
- TYPE OF POWER (N-NORMAL, E-ESSENTIAL, C-CRITICAL)
- PANEL
- DISTRIBUTION
- MAIN

BRANCH PANELBOARDS

XXXXX
- PANEL NUMBER (OR LETTER)
- BUILDING IN WHICH PANEL IS LOCATED (T-TOWER, E-ESU, B-BASE)
- TYPE OF PANEL (P-POWER, L-LIGHTING)
- VOLTAGE (H-480/277V., L-208/120V.)
- TYPE OF POWER (N-NORMAL, E-ESSENTIAL, C-CRITICAL)

G07

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. A. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 06/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

LEGENDS AND ABBREVIATIONS
ELECTRICAL

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630
APPROVED: MANAGER, INFRASTRUCTURE PLATFORM, ANI-630

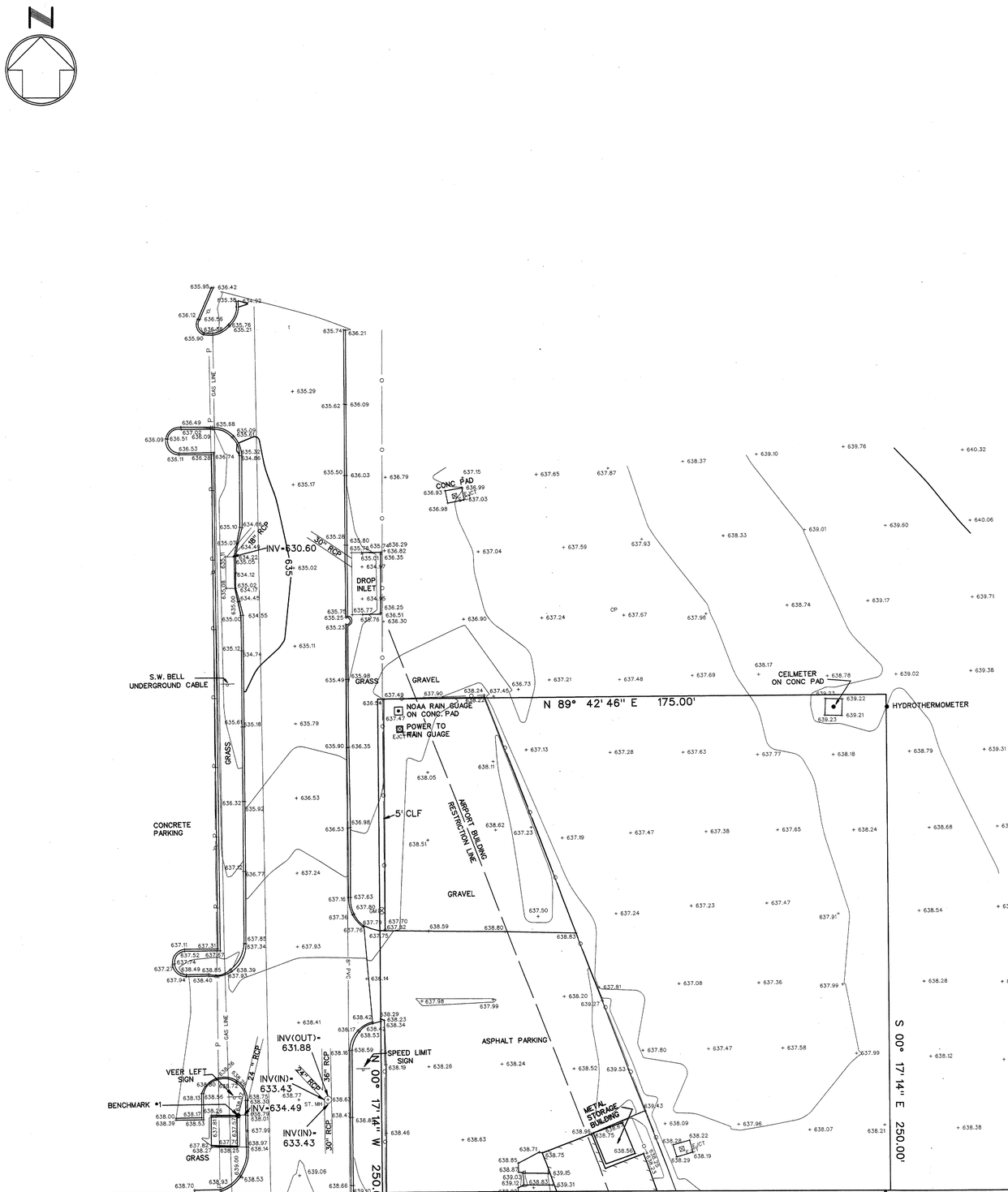
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- G07

REF. DWG.:

FILENAME:



I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM AN ON THE GROUND SURVEY UNDER MY SUPERVISION ON SEPTEMBER 29, 1994 AND CONFORMS TO THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS STANDARDS AND SPECIFICATIONS FOR A CATEGORY 1A, CONDITION II SURVEY.

Brian C. Wright
BRIAN C. WRIGHT
TEXAS REGISTERED PROFESSIONAL SURVEYOR
TEXAS REGISTRATION NO. 4560

Ayub R. Sandhu
AYUB R. SANDHU
TEXAS REGISTERED PROFESSIONAL SURVEYOR
TEXAS REGISTRATION NO. 2910

NOTE: UTILITIES SHOWN ARE BASED ON ABOVE GROUND EVIDENCE AND EXISTING UTILITY MAPS. UNDERGROUND LOCATIONS ARE APPROXIMATED.

BENCHMARK #1 - SQUARE CUT IN CONC. ON THE NORTHWEST CORNER OF A CURB INLET ON THE WEST SIDE OF DOOLEY ROAD, WEST OF THE EXISTING CONTROL TOWER.
ELEVATION = 638.90'
NGVD-29 DATUM

LEGEND

ø	POWER/UTILITY POLE
←	GUY WIRE
□ TEL	TELEPHONE PEDESTAL
☒ EJCT	ELEC. JUNCTION BOX
⊘ MW	MONITORING WELL
⋈ WV	WATER VALVE
⊗ WM	WATER METER
●	BENCHMARK
—o—	SIGN (1 POST)
▪	MAIL BOX
—— o ——	CHAIN LINK FENCE
○○○○○	TREE LINE

20 10 0 20 40
SCALE: 1 IN. = 20 FT.

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

AYUB R. SANDHU
2910
Ayub R. Sandhu
6-19-96

ARS Engineers, Inc.
4245 N. Central Expressway Suite 500
Dallas, Texas 75205
(214) 522-8668 Fax (214) 521-9214

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

TOPOGRAPHIC SURVEY

DALLAS (ADDISON AIRPORT) TEXAS

SUBMITTED: for Edward Hackett
SYSTEM ENGINEER, ANI-640

APPROVED:
MANAGER TERMINAL PLATFORM, ANI-640

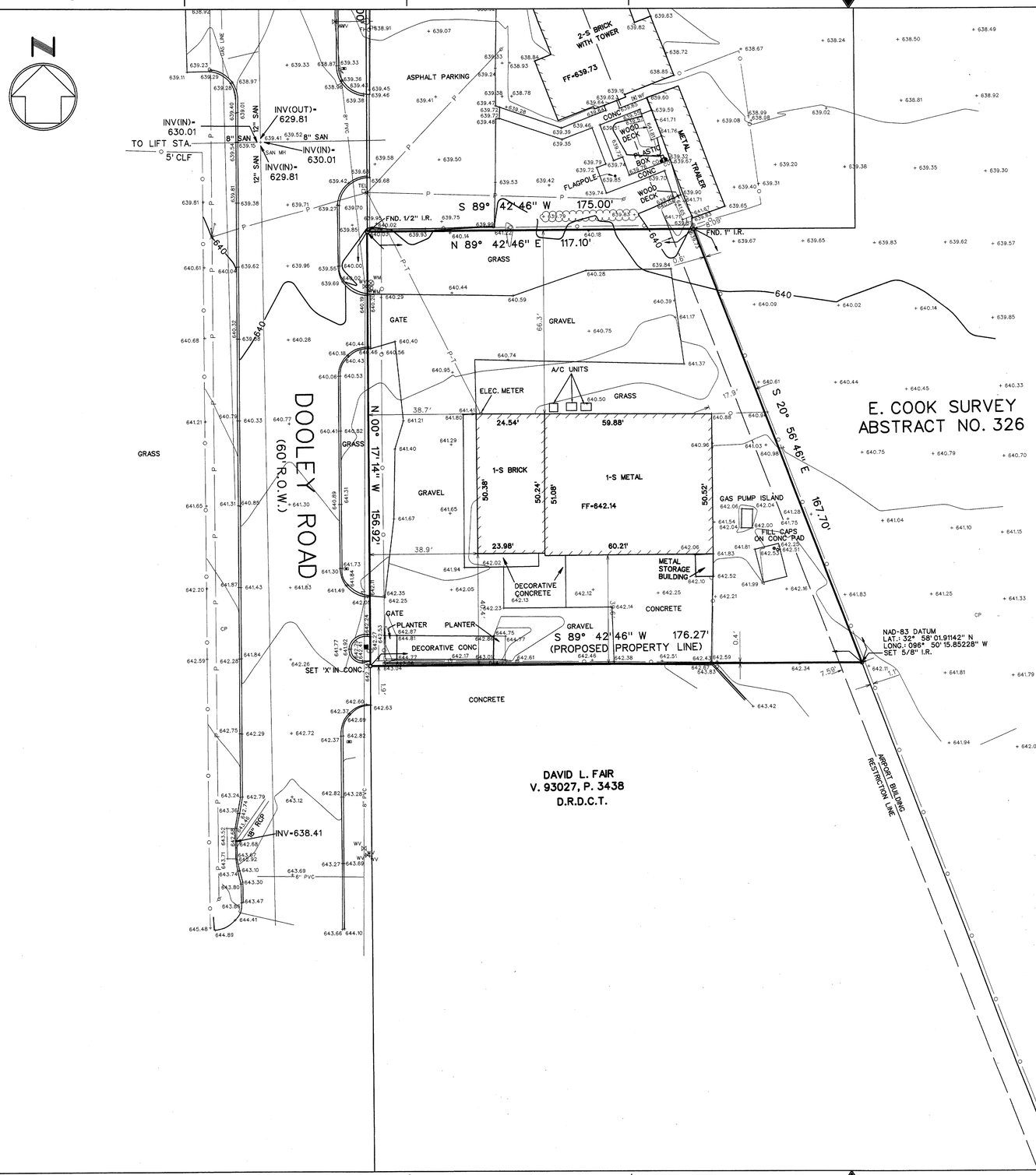
DESIGNED: N/A
REVIEWED: BCW
ORIG. DFT.: DRM
FACILITY:

ISSUED BY
AIRWAY FACILILTIES
DIVISION

DATE: 10-19-94
DRAWING NUMBER:
ADS-ATCT- C01

REF. DWG.:

FILENAME:



I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM AN ON THE GROUND SURVEY UNDER MY SUPERVISION ON SEPTEMBER 29, 1994 AND CONFORMS TO THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS STANDARDS AND SPECIFICATIONS FOR A CATEGORY 1A, CONDITION II SURVEY.

Brian C. Wright

BRIAN C. WRIGHT
TEXAS REGISTERED PROFESSIONAL SURVEYOR
TEXAS REGISTRATION NO. 4560

Ayub R. Sandhu

AYUB R. SANDHU
TEXAS REGISTERED PROFESSIONAL SURVEYOR
TEXAS REGISTRATION NO. 2910

NOTE: UTILITIES SHOWN ARE BASED ON ABOVE GROUND EVIDENCE AND EXISTING UTILITY MAPS. UNDERGROUND LOCATIONS ARE APPROXIMATED.

LEGEND

- POWER/UTILITY POLE
- GUY WIRE
- TEL TELEPHONE PEDESTAL
- ELCT ELEC. JUNCTION BOX
- MW MONITORING WELL
- WV WATER VALVE
- WM WATER METER
- BENCHMARK
- SIGN (1 POST)
- MAIL BOX
- CHAIN LINK FENCE
- TREE LINE

20 10 0 20 40
SCALE: 1 IN. = 20 FT.

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS REGISTERED AYUB R. SANDHU 2910 PROFESSIONAL LAND SURVEYOR
Ayub R. Sandhu 6-19-96

ARS Engineers, Inc.
4849 W. Central Expressway Suite 500
Dallas, Texas 75206
(214) 520-0665 Fax (214) 561-9214

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

TOPOGRAPHIC SURVEY

DALLAS (ADDISON AIRPORT) TEXAS

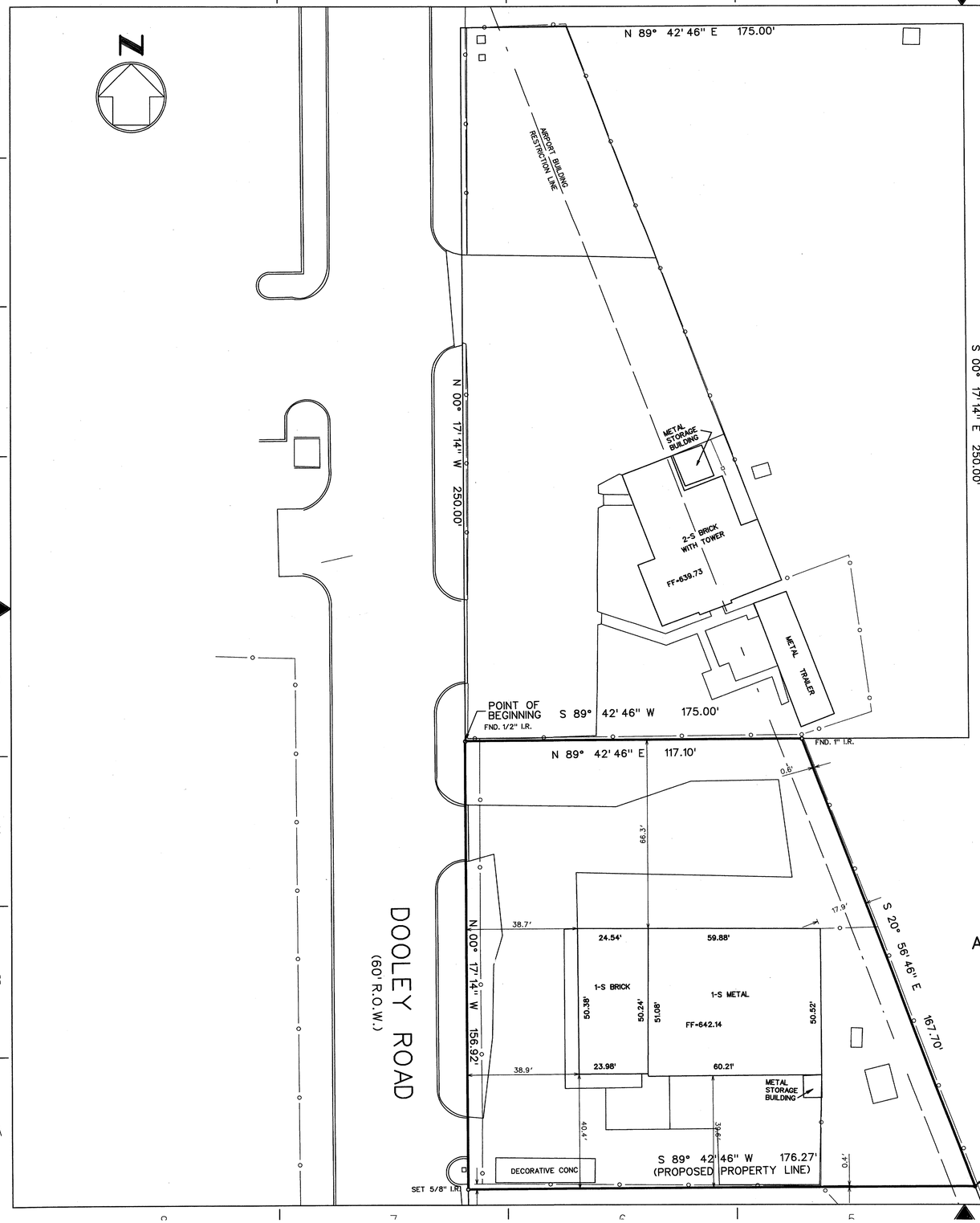
SUBMITTED: for Edward Hackett
SYSTEMS ENGINEER, ANI-640

APPROVED: Curt Callich
MANAGER, TERMINAL PLATFORM, ANI-640

DESIGNED: N/A	ISSUED BY AIRWAY FACILITIES DIVISION	DATE: 10-19-94
REVIEWED: BCW		DRAWING NUMBER: ADS-ATCT-C02
ORIG. DFT.: DRM		
FACILITY:		

REF. DWG.:

FILENAME:



FIELD NOTES

BEING A PART OF THAT CERTAIN LOT, TRACT OR PARCEL OF LAND SITUATED IN THE E. COOK SURVEY, ABSTRACT NO. 326, DALLAS COUNTY, TEXAS, AS DESCRIBED IN THE DEED FROM WILLIAM D. BARRET, SR. TO DAVID L. FAIR, TRUSTEE, AND RECORDED IN VOLUME 93027, PAGE 3438, DEED RECORDS, DALLAS COUNTY, TEXAS AND BEING MORE PARTICULARY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID FAIR PROPERTY, SAID POINT ALSO BEING A SOUTHWEST CORNER OF THE ADDISON AIRPORT, INC. PROPERTY, AS RECORDED IN VOLUME 5872, PAGE 572, DEED RECORDS, DALLAS COUNTY, TEXAS, SAID POINT ALSO BEING ON THE EAST RIGHT OF WAY LINE OF DOOLEY ROAD (A CALLED 60 FOOT R.O.W.), A ½" IRON ROD FOUND FOR CORNER;

THENCE NORTH 89° 42' 46" EAST, LEAVING SAID EAST LINE OF DOOLEY ROAD AND ALONG A COMMON LINE BETWEEN SAID ADDISON AIRPORT TRACT AND SAID FAIR TRACT, A DISTANCE OF 117.10 FEET TO THE NORTHEAST CORNER OF SAID FAIR TRACT, SAID POINT ALSO BEING AN INNER "L" CORNER OF SAID ADDISON AIRPORT TRACT, A 1" IRON ROD FOUND FOR CORNER;

THENCE SOUTH 20° 56' 46" EAST, CONTINUING ALONG SAID COMMON LINE, A DISTANCE OF 167.70 FEET TO A 5/8" IRON ROD SET FOR CORNER;

THENCE SOUTH 89° 42' 46" WEST, LEAVING SAID COMMON LINE A DISTANCE OF 176.27 FEET TO A POINT ON THE SAID EAST LINE OF DOOLEY ROAD, A 5/8" IRON ROD SET FOR CORNER;

THENCE NORTH 00° 17' 14" WEST, ALONG SAID EAST LINE OF DOOLEY ROAD, A DISTANCE OF 156.92 FEET TO THE POINT OF BEGINNING, AND CONTAINING 23,018 SQUARE FEET OF LAND FOR 0.528 ACRE.

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM AN ON THE GROUND SURVEY UNDER MY SUPERVISION ON SEPTEMBER 29, 1994 AND CONFORMS TO THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS STANDARDS AND SPECIFICATIONS FOR A CATEGORY 1A, CONDITION II SURVEY.

Ayub R. Sandhu 12-2-96/2-6-97
AYUB R. SANDHU
TEXAS REGISTERED PROFESSIONAL SURVEYOR
TEXAS REGISTRATION NO. 2910

NOTE: THE BASIS OF BEARINGS FOR THIS SURVEY ARE DERIVED FROM AIRPORT SURVEY CONTROL STATIONS: ARP 2 ADS 1969 AND THE AIRPORT BEACON.

20 10 0 20 40
SCALE: 1 IN. = 20 FT.

REV.	DATE	DESCRIPTION	DFTG.	CHECKED
1	2-6-97	Rem. "Preliminary"	ARS	

STATE OF TEXAS REGISTERED AYUB R. SANDHU 2910 PROFESSIONAL LAND SURVEYOR
Ayub R. Sandhu 12-2-96 2-6-97
ARS Engineers, Inc.
4245 N. Central Expressway Suite 590 Dallas, Texas 75206 (214) 823-0565 Fax (214) 521-9214

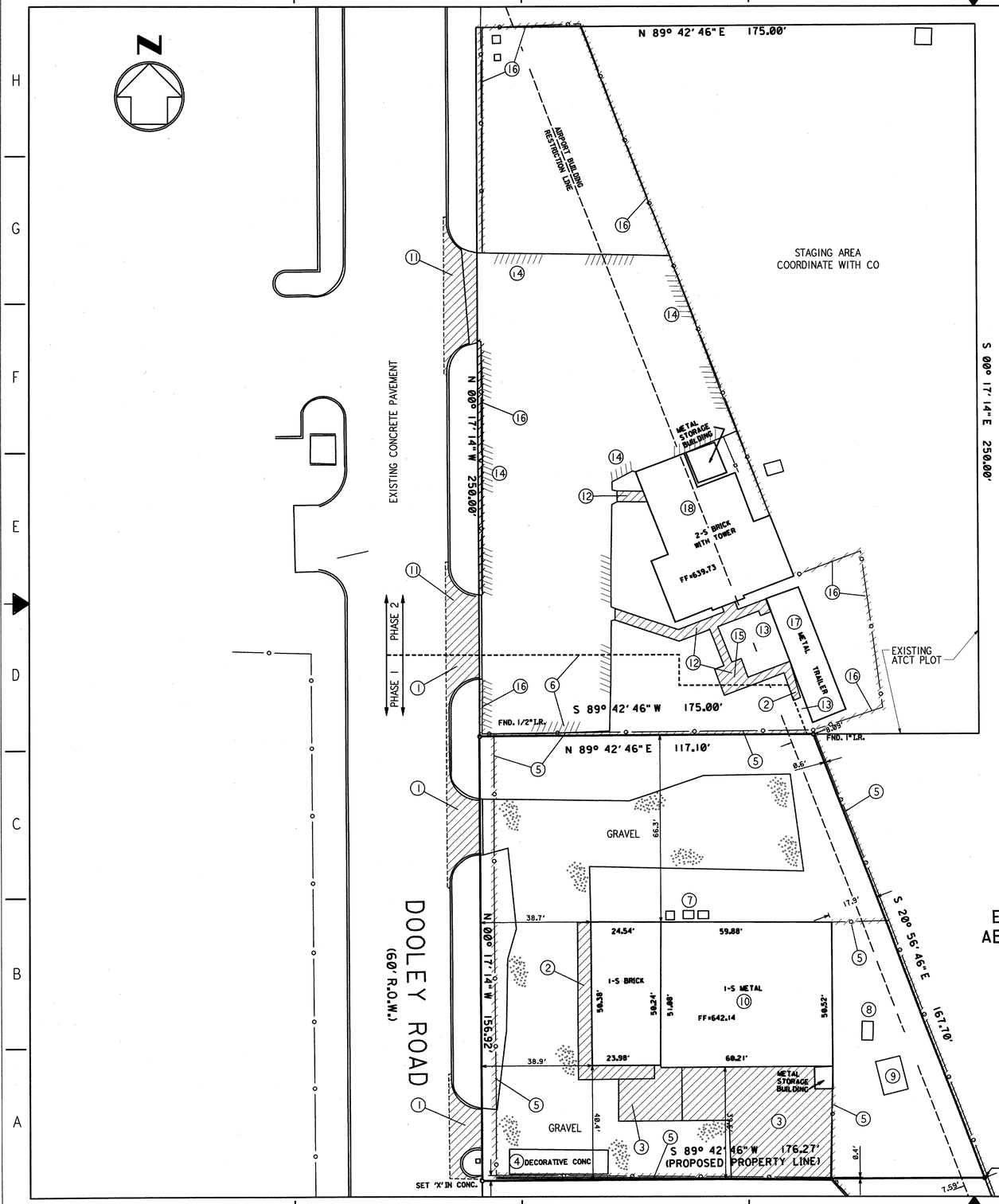
PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER
BOUNDARY SURVEY
DALLAS (ADDISON AIRPORT) TEXAS

SUBMITTED: for Edward Hackett, SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: N/A
REVIEWED: BCW
ORG. DFT.: DRM
FACILITY:
ISSUED BY AIRWAY FACILITIES DIVISION
DATE: 10-19-94
DRAWING NUMBER: ADS-ATCT-C03

REF. DWG.:
FILENAME:



GENERAL NOTES:

1. CONTRACTOR SHALL SUBMIT TO THE CONTRACTING OFFICER A SEQUENCE OF CONSTRUCTION SHOWING THE PROPOSED METHOD TO MAINTAIN THE EXISTING ATCT OPERATIONS DURING THE NEW ATCT CONSTRUCTION.
2. CONTRACTOR SHALL SUBMIT TO THE CONTRACTING OFFICER A SCHEDULE OF REMOVAL ITEMS FOR EACH PHASE OF CONSTRUCTION.
3. SEE APPENDIX OF THE PROJECT SPECIFICATIONS FOR THE HAZARDOUS MATERIALS ABATEMENT AND THE UNDERGROUND STORAGE TANK REMOVAL SPECIFICATIONS.

KEYED NOTES:

(1) REMOVE CONCRETE DRIVEWAY AND CURB - PHASE 1
(2) REMOVE CONCRETE SIDEWALK - PHASE 1
(3) REMOVE CONCRETE PAVEMENT - PHASE 1
(4) REMOVE CONCRETE PAD AND DECORATIVE PLANTERS PHASE 1
(5) REMOVE CHAIN LINK FENCE - PHASE 1
(6) REMOVE ASPHALT PAVEMENT - PHASE 1
(7) REMOVE A/C UNITS - PHASE 1
(8) REMOVE GAS PUMP ISLAND - PHASE 1
(9) REMOVE CONCRETE PAD AND UG FUEL TANK - PHASE 1
(10) REMOVE EXISTING STRUCTURES - PHASE 1
(11) REMOVE CONCRETE DRIVEWAY AND CURB - PHASE 2
(12) REMOVE CONCRETE SIDEWALK - PHASE 2
(13) REMOVE WOOD DECKING - PHASE 2
(14) REMOVE ASPHALT PAVEMENT - PHASE 2
(15) REMOVE FLAGPOLE - PHASE 2
(16) REMOVE CHAIN LINK FENCE - PHASE 2
(17) REMOVE METAL TRAILER - PHASE 2
(18) REMOVE STRUCTURES - PHASE 2

20 10 0 20 40
SCALE: 1 IN. = 20 FT.

C04

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
RONALD A. YOUNG
36588
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

DEMOLITION PLAN

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C04

REF. DWG.:

FILENAME: ads\c004.dgn

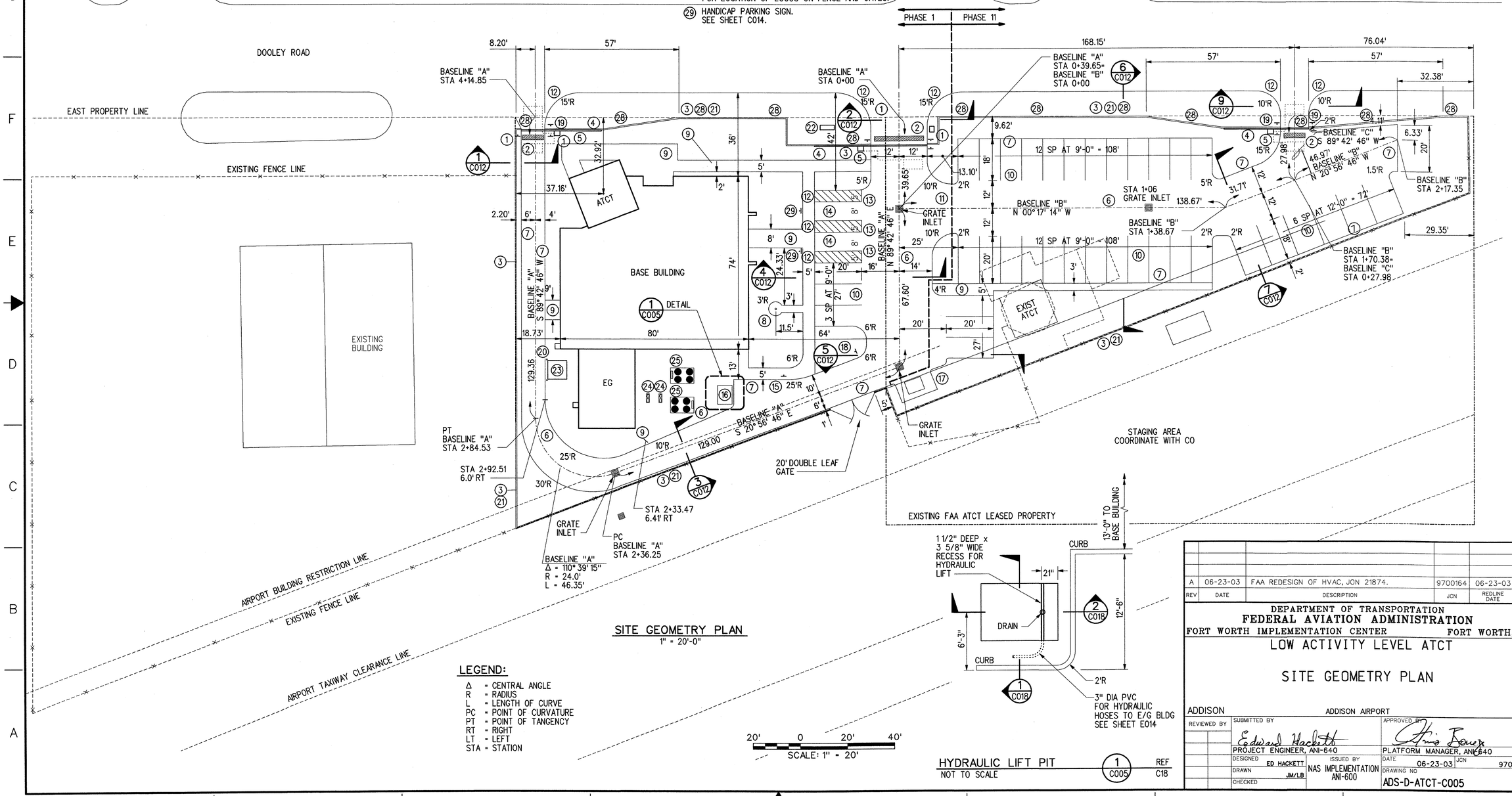
THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

KEYED NOTES:

1. STOP SIGN. SEE SHEET C014.
2. PAINTED STOP BAR. SEE SHEET C014.
3. SECURITY FENCE. SEE SHEET C020 AND C021.
4. GATE RETRACT. SEE SHEET C009 AND C015.
5. GATE CONTROLLER.
6. 7" CONCRETE PAVEMENT. SEE SHEET C015.
7. 6" CONCRETE CURB. SEE SHEET C015.
8. FLAG POLE. SEE ARCH SPECIFICATION 10281.
9. CONCRETE SIDEWALK. SEE SHEET C015.
10. PAINTED WHITE PARKING STRIPING. SEE SHEET C014.
11. INTERIM SECURITY FENCE (ALONG PHASE LINE).
12. BARRIER FREE HANDICAP RAMP. SEE SHEET C018.
13. NO PARKING STRIPING. SEE SHEET C014.
14. HANDICAP PAVEMENT MARKING. SEE SHEET C014.
15. NO PARKING SIGN. SEE SHEET C014.
16. HYDRAULIC LIFT. SEE ARCH SPEC.
17. TRASH ENCLOSURE. SEE SHEET A018.
18. FAA AUTHORIZED VEHICLES SIGN. SEE SHEET C014.
19. DO NOT ENTER SIGN. SEE SHEET C009 AND C014.
20. GUARD POST. SEE SHEET C015. (TYPICAL 10).
21. MOWING PAD UNDER FENCE. SEE SHEET C009.
22. FAA GROUND SIGN. SEE SHEET A018 ,E025, AND E061.
23. UTILITY TRANSFORMER PAD. SEE SHEET M010 AND S007.
24. CHILLED WATER PUMPS.
25. ACC-1 AND ACC-2.
26. NOT USED.
27. NOT USED.
28. TOTAL OF (12) LOGOS, PROVIDED BY TOWN OF ADDISON AND INSTALLED BY CONTRACTOR. LOCATE LOGOS APPROXIMATELY 40' ON CENTER ALONG DOOLEY ROAD SIDE, CENTERED BETWEEN FENCE POSTS. LOCATE 1 LOGO ON NORTH AND 1 ON SOUTH GATE. SEE SHEETS C020 AND C021 FOR LOCATION OF LOGOS ON FENCE AND GATES.
29. HANDICAP PARKING SIGN. SEE SHEET C014.

GENERAL NOTES:

1. SURVEY INFORMATION PROVIDED BY:
   ARS ENGINEERS
   4245 N. CENTRAL EXPRESSWAY
   STE 500
   DALLAS, TX 75205
   214 522 8668
2. CENTERPOINT OF ATCT
   LAT: 32° 58' 02.294" W
   LONG: 96° 50' 17.531" W
   (NAD-83)
3. ALL DIMENSIONS ARE TO FACE OF CURB, CENTER OF INLET.
4. CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CONTRACTING OFFICER FOR APPROVAL, A JOINT LAYOUT PLAN SHOWING THE LOCATIONS OF EXPANSION, CONSTRUCTION AND CONTRACTION JOINTS. MAXIMUM JOINT SPACING SHALL BE 20'-0" ON CENTER.
5. PROVIDE GATES FOR TRASH ENCLOSURE AS SHOWN ON ARCHITECTURAL PLANS.
6. SEE STRUCTURAL PLANS FOR DOORWAY STOOP LOCATIONS.
7. SEE SHEET C007 FOR GRATE INLET LOCATIONS. SEE DETAIL 1/C17 FOR GRATE INLET DETAILS.
8. CONTRACTOR SHALL INSTALL FAA STANDARD AND CCTV WARNING SIGNS AT LOCATIONS AS DESIGNATED BY CONTRACTING OFFICER. THESE SIGNS TO BE PROVIDED BY FAA TO THE CONTRACTOR.



SITE GEOMETRY PLAN
1" = 20'-0"

LEGEND:

Δ = CENTRAL ANGLE
R = RADIUS
L = LENGTH OF CURVE
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY
RT = RIGHT
LT = LEFT
STA = STATION

20' 0 20' 40'
SCALE: 1" = 20'

HYDRAULIC LIFT PIT
NOT TO SCALE

1 C005 REF C18

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

SITE GEOMETRY PLAN

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: Edward Hackett, PROJECT ENGINEER, ANI-640	APPROVED BY: Gino Bonex, PLATFORM MANAGER, ANI-640	
DESIGNED: ED HACKETT	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: JM/LB		DRAWING NO: ADS-D-ATCT-C005	REV: A
CHECKED			

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07/17/2003 04:53:03 PM kkorn

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

GENERAL NOTES:

SURVEY INFORMATION PROVIDED BY:
ARS ENGINEERS
4245 N. CENTRAL EXPRESSWAY
STE 500
DALLAS, TX 75205
214 522 8668

CENTER POINT OF ATCT
LAT: 32° 58' 02.294" W
LONG: 96° 50' 17.531" W
(NAD-83)

3. ADD 600.0 TO SPOT ELEVATIONS TO CONVERT BENCHMARK DATUM.
4. IN AREAS NOT COVERED BY BUILDINGS, SIDEWALKS, GRAVEL OR CONCRETE, THE TOP 4" OF FILL SHALL CONSIST OF CLASS 12 EARTH FILL.
5. SEE SHEET C10 FOR PAVEMENT PROFILES.
6. SEE SHEET C12 FOR TYPICAL PAVING SECTIONS.

WEST PROPERTY LINE

DOOLEY ROAD

EAST PROPERTY LINE

ATCT

BASE BUILDING
FF = 643.5

EXISTING BUILDING

E/G

BASELINE "A"
STA 4+14.85

BASELINE "A"
STA 0+00

BASELINE "C"
STA 0+00

BASELINE "B"
STA 2+17.35

BASELINE "B"
STA 1+70.38

BASELINE "B"
STA 1+38.67

BASELINE "B"
STA 1+06

STA 0+39.65
BASELINE "A"

STA 2+85.53
BASELINE "A"

STA 2+36.25
BASELINE "A"

STA 1+07.25
BASELINE "A"

STAGING AREA
COORDINATE WITH CO

EXISTING FAA ATCT LEASED PROPERTY

FUTURE TAXIWAY EXTENSION

AIRPORT BUILDING RESTRICTION LINE

AIRPORT TAXIWAY CLEARANCE LINE

EXISTING FENCE LINE

SITE GEOMETRY PLAN
1" = 20'

SCALE: 1" = 20'

LEGEND:

T	= TOP OF CURB
▩	= INLET
PC	= POINT OF CURVATURE
PT	= POINT OF TANGENCY
RT	= RIGHT
FF	= FINISHED FLOOR ELEVATION
42.0	= FINISHED GRADE ELEVATION

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

SITE GRADING PLAN

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	Edward Hackett PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630

DESIGNED	M. DOERR	ISSUED BY	DATE	JCN
DRAWN	JM/LB	NAS IMPLEMENTATION ANI-600	06-23-03	9700164
CHECKED			DRAWING NO	REV
			ADS-D-ATCT-C006	A

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THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

NOTES:

1. CONSTRUCT SD-1, SD-2, AND GRATE INLET DURING PHASE 1 OF CONSTRUCTION. PROVIDE TEMPORARY ASPHALT OVER PIPE TRENCHES.
2. DIMENSIONS ARE TO FACE OF CURB, CENTER OF PIPE, INLET, OR MANHOLE.
3. WATER MAINS 4" AND LARGER SHALL BE PVC PIPE, CLASS 200, AWWA C900, UNLESS NOTED OTHERWISE.
4. REINFORCED CONCRETE PIPE FOR STORM DRAINS SHALL BE CLASS 111.
5. WATER MAINS SMALLER THAN 4" SHALL BE TYPE I, GRADE 1, PVC, SCHEDULE 40 (ASTM D-1785).
6. MINIMUM COVER FOR 4" TO 8" WATER MAINS SHALL BE 48" FROM FINISHED GRADE TO TOP OF PIPE. MINIMUM COVER FOR 2" OR 3" WATER MAINS SHALL BE 36" FROM FINISHED GRADE TO TOP OF PIPE.
7. SEE SHEET C11 FOR UTILITY PROFILES.
8. STORM DRAINS 12" DIAMETER AND SMALLER SHALL BE PVC PIPE CONFORMING TO ASTM D-3034, SDR-35, AND SHALL MEET ALL THE REQUIREMENTS OF SECITON 02731 OF THE SPECIFICATIONS.
9. SANITARY SEWER LINES 4" AND LARGER SHALL BE PVC PIPE CONFORMING TO ASTM D-3034, SDR-35.
10. SEE PLUMBING SHEETS P004 AND P006 FOR CONTINUATION OF UTILITY LINES.
11. PROVIDE A TEMPORARY DRAIN ON SD-2 AT THE PHASE LINE. REMOVE DURING PHASE 11 CONSTRUCTION.

WEST PROPERTY LINE
EAST PROPERTY LINE
DOOLEY ROAD
GAS LINE
POC
1 1/4" GAS LINE CONN AND METER BY LONE STAR GAS
INSTALL: 1-6" X 8" TAPPING SLEEVE 1-6" RESILIANT SEAT VALVE CONCRETE BLOCKING
1 1/4" GAS LINE FROM METER BY CONTRACTOR
INSTALL: DOMESTIC 1-3" X 8" TAPPING SLEEVE 1-2" METER 2-3" 90° BENDS
3 C017
EXIST 8" SS
EXIST 8" W
30" RCP
LATERAL
EXIST
LINE SS-1 STA 0+00 CONSTRUCT MANHOLE
LINE SS-1 STA 0+00 CONNECT TO EXIST SD MANHOLE
8 C012
36" RCP
SAWCUT AND REMOVE EXISTING CONC PAVEMENT
REPLACE CONCRETE PAVEMENT
INSTALL: IRRIGATION 1-1 1/2" SERVICE 1-2" METER
INSTALL: 1-6" RESILIANT SEAT VALVE 2-6" 90° BEND CONCRETE BLOCKING
ATCT
4" SD
4" PVC
INSTALL: 2-3" 90° BENDS
CO
SD-2 8" PVC
8" PVC
8" PVC ON 3.0 %
SD-2 18" RCP
SAN. SWR. IS 8.5' +/- DEEP
SD-1 18" RCP
LINE SD-1 STA 0+60 GRATE INLET
LINE SD-2 STA 0+00
LINE SD-2 STA 1+55 CONSTRUCT CLEANOUT
3" CW
6" F
1 1/4" G
BASE BUILDING
4" SS
4" PVC
STA 1+15 CONSTRUCT CLEANOUT
LINE SD-2 STA 1+06- LINE SD-3 STA 0+00 GRATE INLET
SD-3 18" RCP
INSTALL: 1-6" RESILIANT SEAT VALVE 1-6" 90° BEND 1-3" 90° BEND 1-POST INDICATOR VALVE CONCRETE BLOCKING
6" SD
6" PVC
6" PVC ON 3.0 %
E/G
6" PVC(SD)
DRAIN
LINE SD-3 STA 0+67.60 GRATE INLET
2 E065
STAGING AREA COORDINATE WITH CO
LINE SD-3 STA 1+96.60 GRATE INLET
EXISTING FAA ATCT LEASED PROPERTY
℄ FUTURE TAXIWAY EXTENSION
AIRPORT BUILDING RESTRICTION LINE
EXISTING FENCE LINE
AIRPORT TAXIWAY CLEARANCE LINE

20' 0 20' 40'
SCALE: 1" = 20'

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

SITE UTILITY PLAN

ADDISON ADDISON AIRPORT TX

REVIEWED BY
SUBMITTED BY Edward Hackett PROJECT ENGINEER, ANI-640
APPROVED BY PLATFORM MANAGER, ANI-640
DESIGNED ED HACKETT
DRAWN JM/LB
CHECKED
ISSUED BY NAS IMPLEMENTATION ANI-600
DATE 06-23-03 JCN 9700164
DRAWING NO ADS-D-ATCT-C007
REV A

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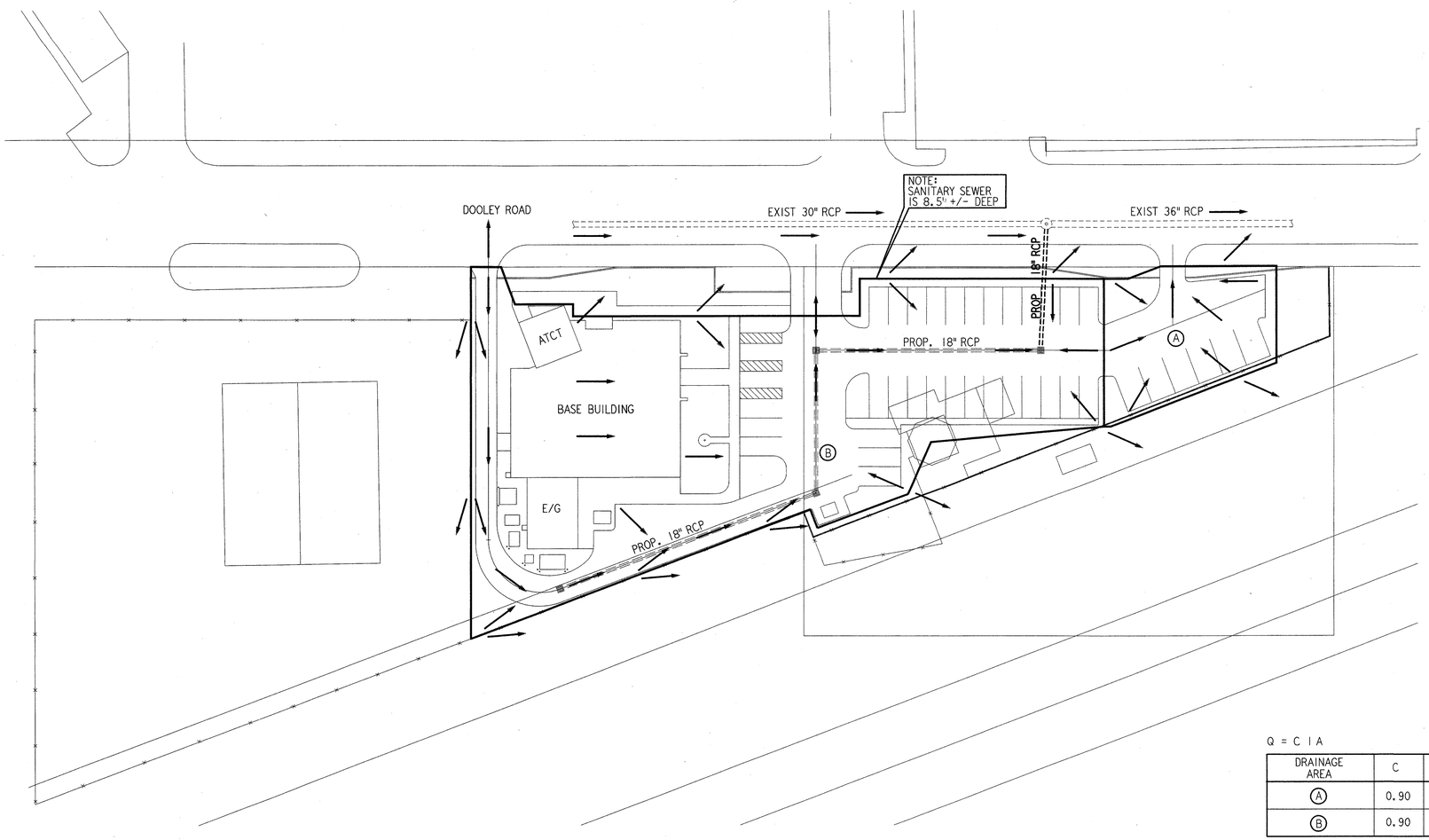


SITE PLAN

1" = 30'

30' 15' 0 30' 60'

1" = 30'-0"

NOTES:

1. DRAINAGE AREA MAP OBTAINED FROM TOWN OF ADDISON - KELLER SPRINGS/DOOLEY ROAD PAVING AND DRAINAGE IMPROVEMENT PLANS.
2. TOPOGRAPHIC SURVEY BY ARS ENGINEERS.

LEGEND:

———	DRAINAGE AREA BOUNDARY
——→	DIRECTION OF FLOW
▥	GRATE INLET
Q	CALCULATED RUNOFF
C	COEFFICIENT OF RUNOFF
I	RAINFALL INTENSITY
A	AREA IN ACRES
t_c	TIME OF CONCENTRATION (MINUTES)
iph	INCHES PER HOUR
EXIST	EXISTING
PROP	PROPOSED
RCP	REINFORCED CONCRETE PIPE

RUNOFF CALCULATIONS:

1. RATIONAL METHOD USED
2. COEFFICIENT OF RUNOFF = 0.9
3. TIME OF CONCENTRATION = 10mm
4. RAINFALL INTENSITY = 8.9 iph
5. RUNOFF Q IS IN CUBIC FEET PER SECOND

Q = C I A

DRAINAGE AREA	C	I	A	Q	REMARKS
Ⓐ	0.90	8.9	0.11	0.88	DRAINS OUT DRIVEWAY
Ⓑ	0.90	8.9	0.82	6.57	DRAINS TO GRATE INLET ON SITE

C08

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
RONALD A. YOUNG
86581
REGISTERED
ENGINEER
4/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

DRAINAGE AREA MAP

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

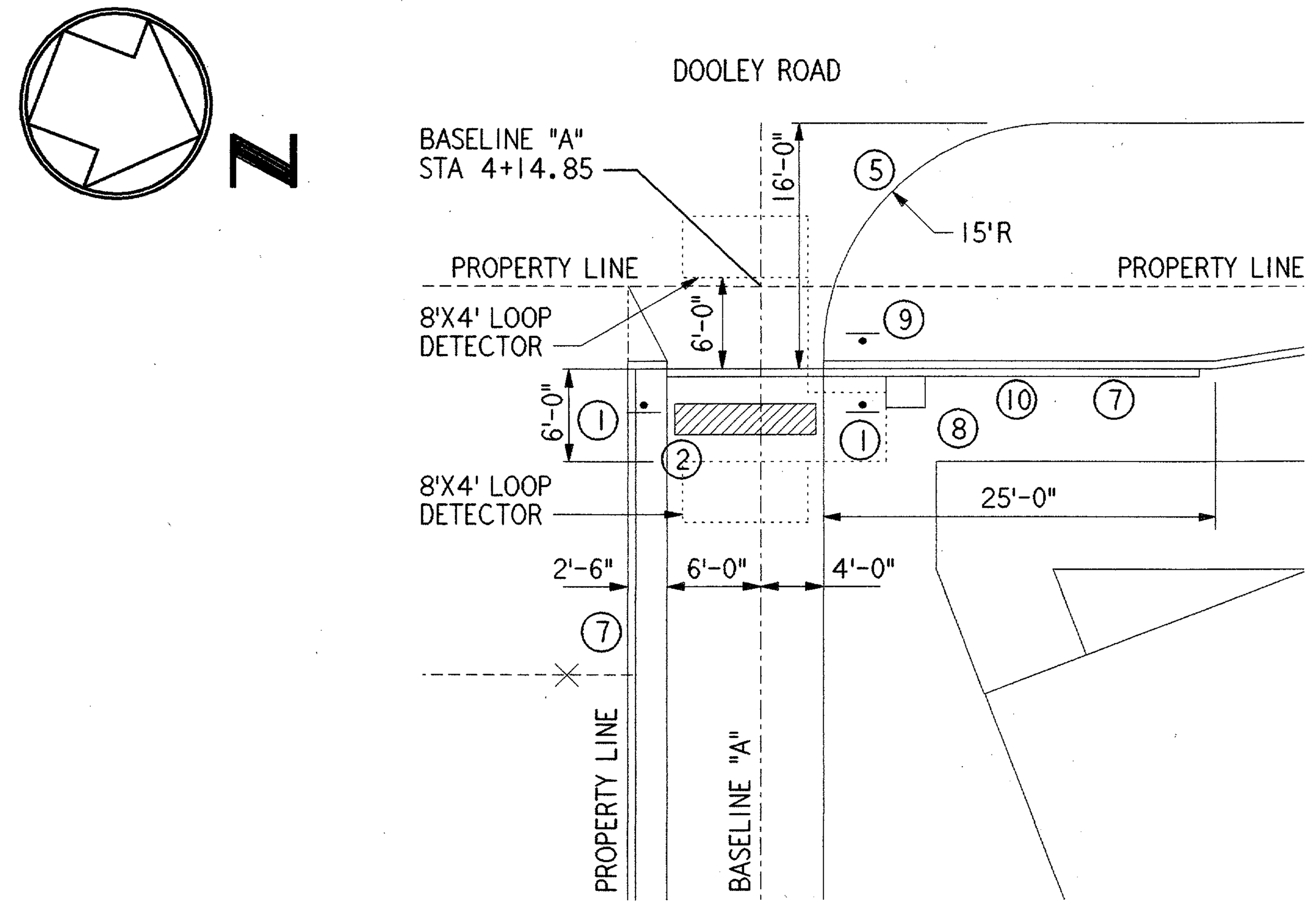
DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- C08

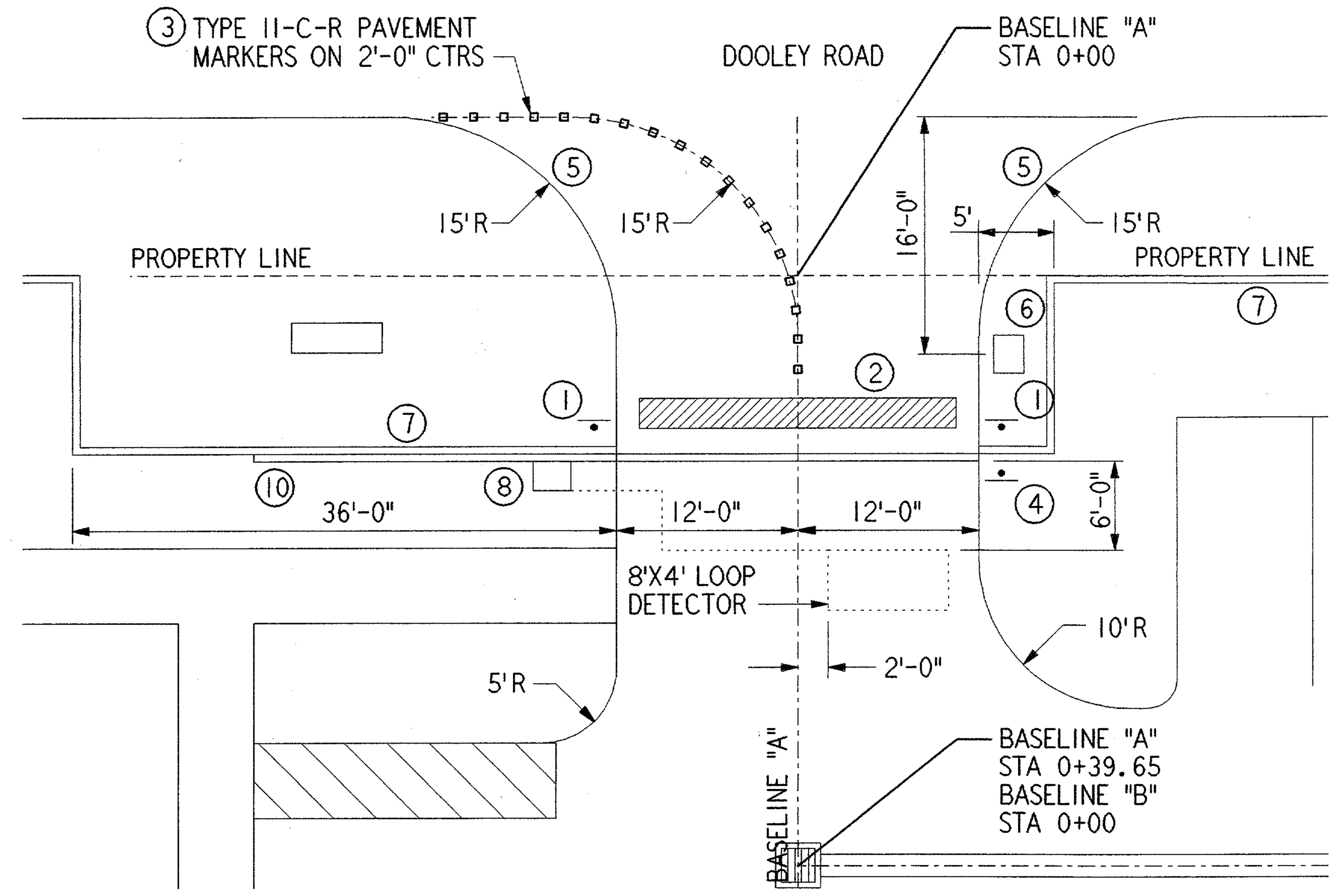
REF. DWG.:

FILENAME: ads\c008.dmf



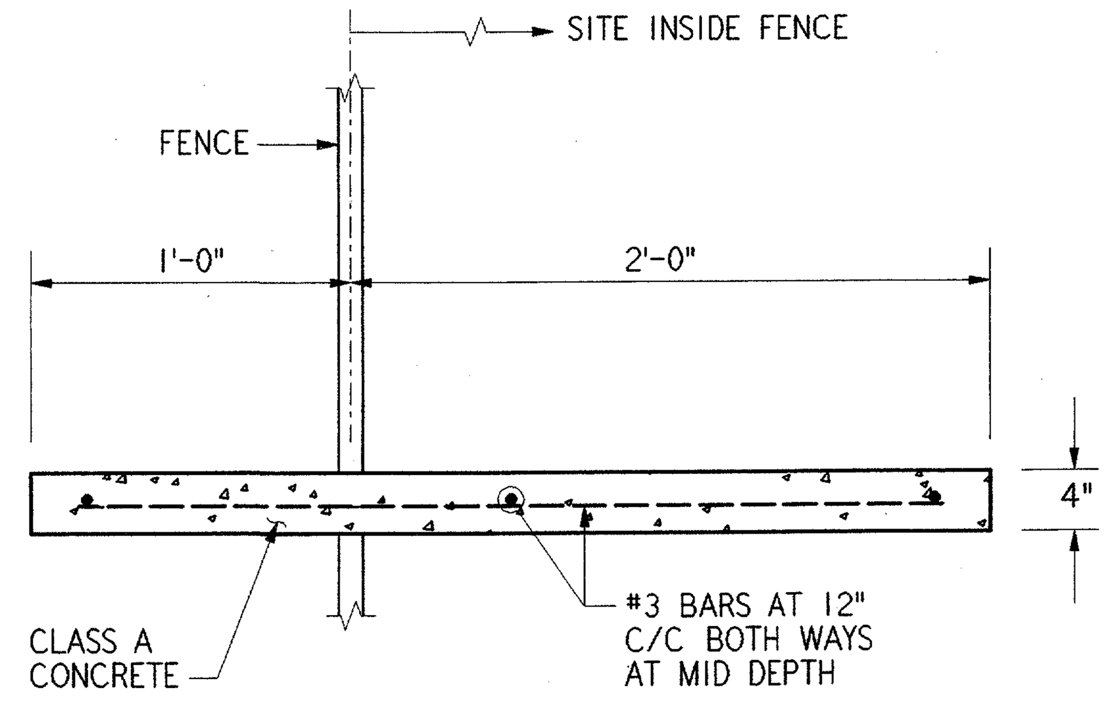
EXIT GATE (SOUTH) DETAIL

1" = 10'



ENTRANCE GATE DETAIL

1" = 10'



MOWING PAD UNDER FENCE

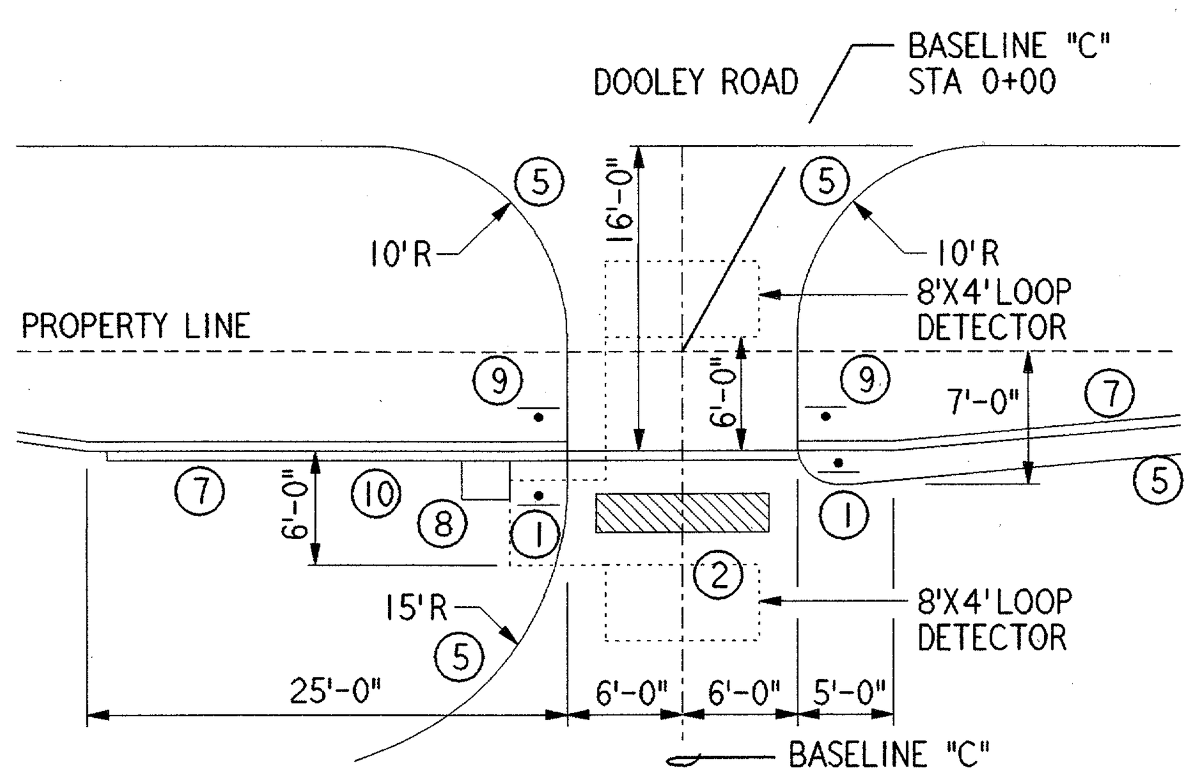
NTS

NOTES:

1. SEE SHEET C05 FOR OVERALL SITE GEOMETRY.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.

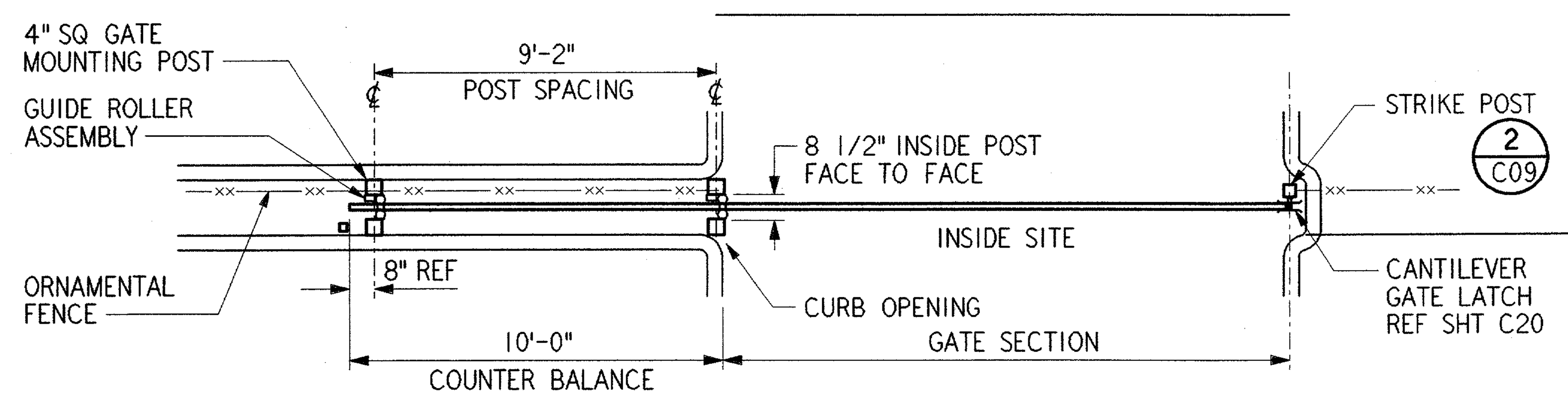
KEYED NOTES:

1. STOP SIGN. SEE SHEET C14.
2. PAINTED STOP BAR. SEE SHEET C14.
3. INSTALL TYPE II-C-R REFLECTORIZED PAVEMENT. MARKERS. SEE SHEET C14.
4. DO NOT ENTER SIGN. SEE SHEET C14.
5. 6" CONCRETE CURB. SEE SHEET C15.
6. ENTRY KEYPAD. SEE SHEET E66.
7. SECURITY FENCE
8. GATE CONTROLLER
9. EXIT ONLY SIGN. SEE SHEET C14.
10. GATE RETRACK. LENGTH = GATE WIDTH +12'-0". SEE SHEET C15.



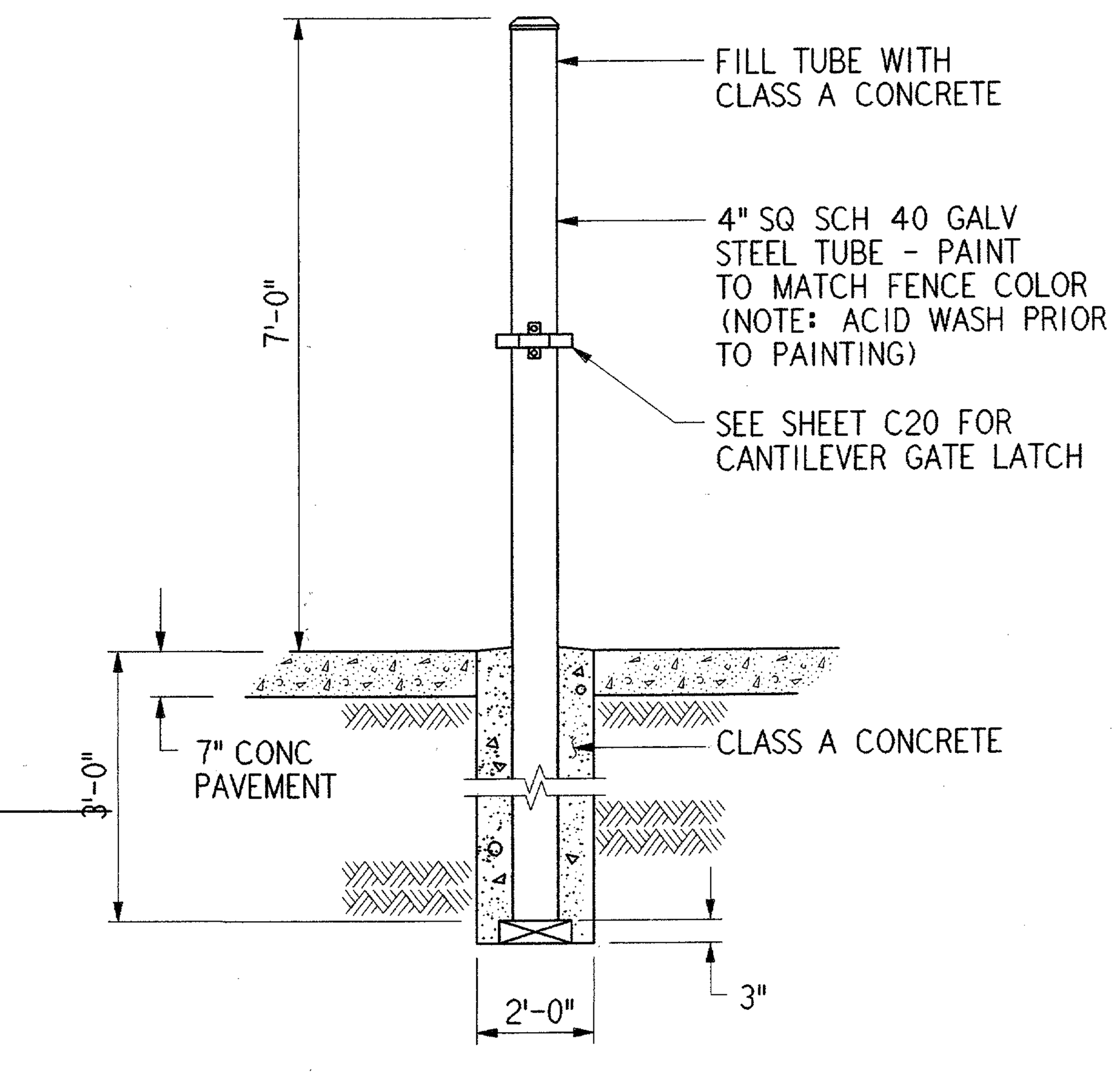
EXIT GATE (NORTH) DETAIL

1" = 10'



PLAN VIEW - CANTILEVER GATE (1/C09)

NTS



STRIKE POST (2/C09)

NTS

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

RONALD A. YOUNG — 6/22/01

PARSONS
DALLAS, TX

C09

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

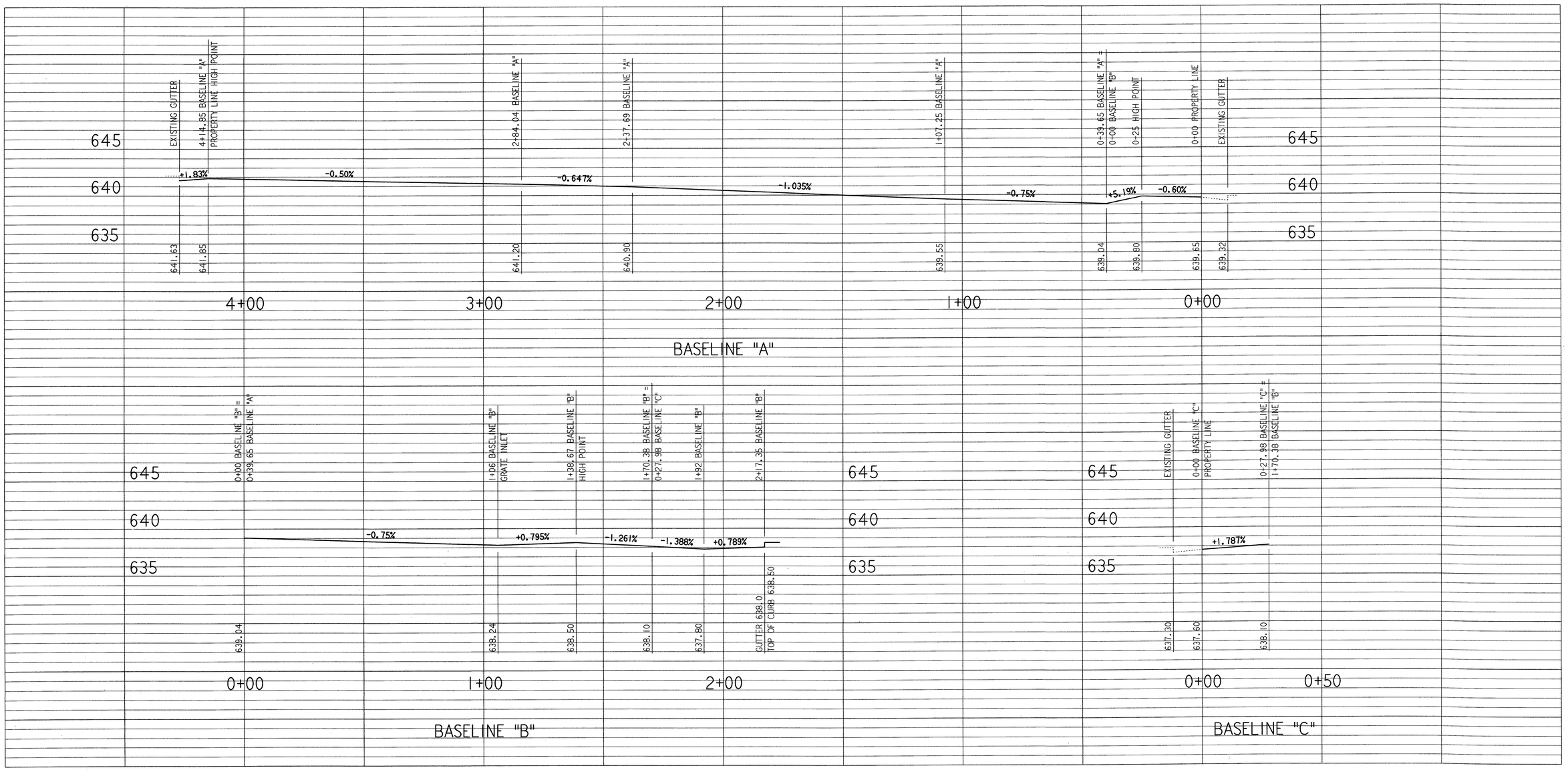
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ENTRANCE/EXIT GATE DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:
ISSUED BY AIRWAY FACILITIES DIVISION
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C09

FILENAME: adslc09.dft
REF. DWG.:



SCALE: 1" = 20' HORIZ
1" = 5' VERT

C10

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
RONALD A. YOUNG
35586
REGISTERED
ENGINEER
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

PAVEMENT PROFILES

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- C10

REF. DWG.:

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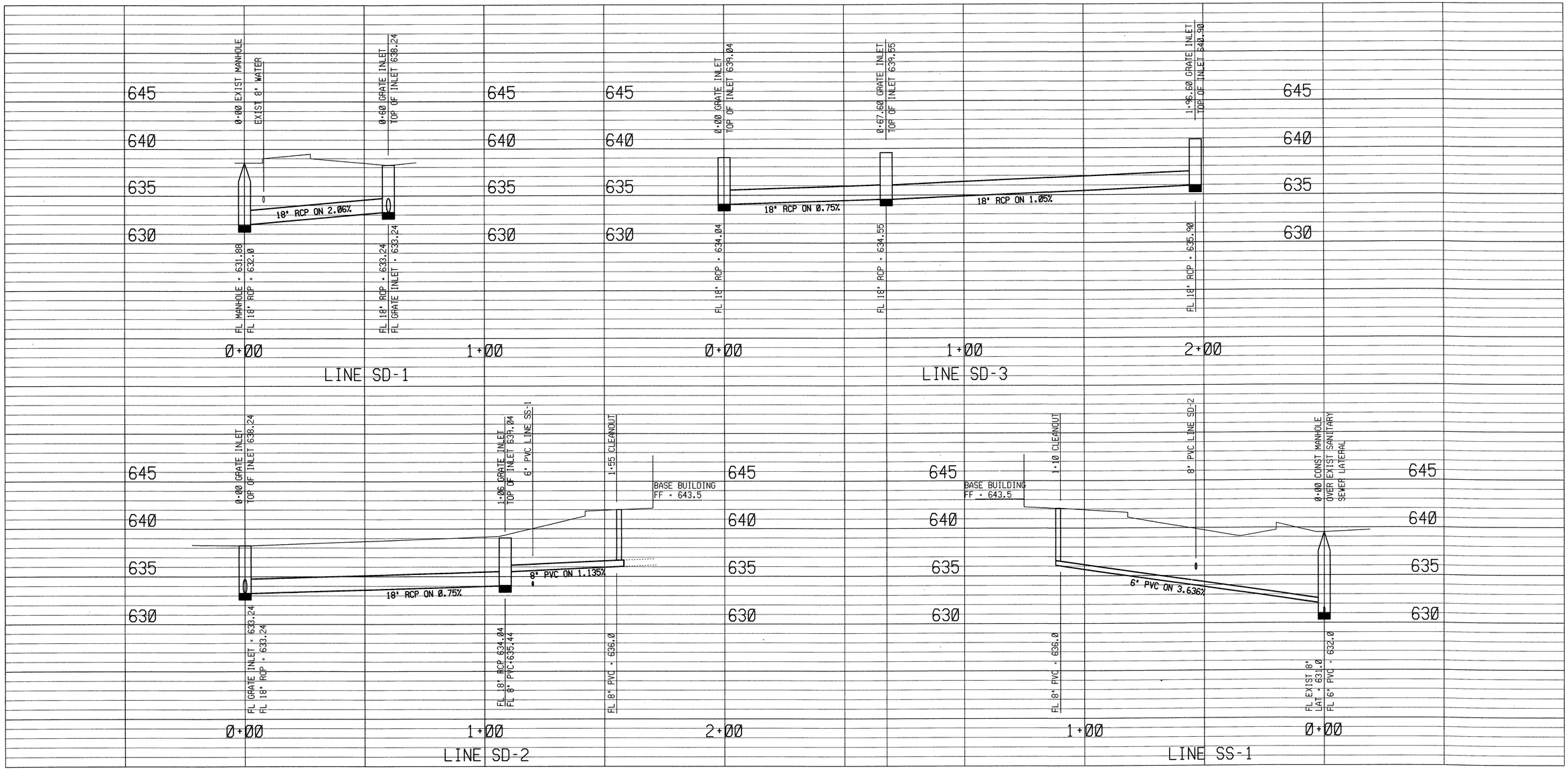


C11

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
RONALD A. YOUNG
39585
REGISTERED
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

UTILITY PROFILES

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER,ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

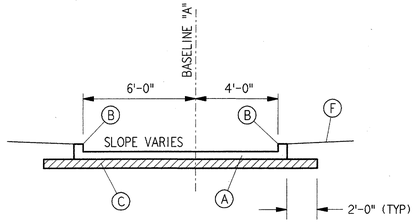
ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- C11

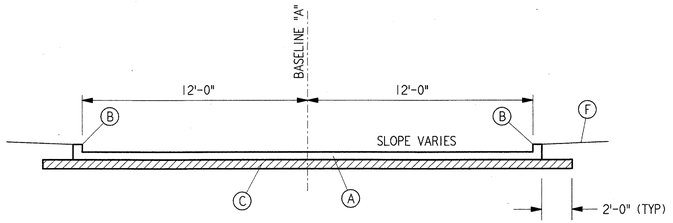
SCALE: 1" = 20' HORIZ
1" = 5' VERT

REF. DWG.:

FILENAME: #ADSC011.PPT



SECTION 1 C12 NTS REF C05



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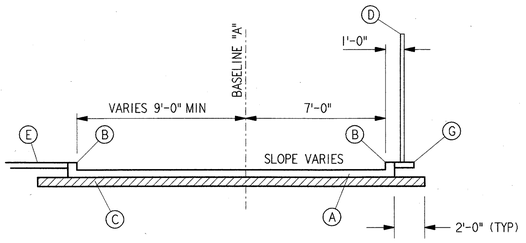

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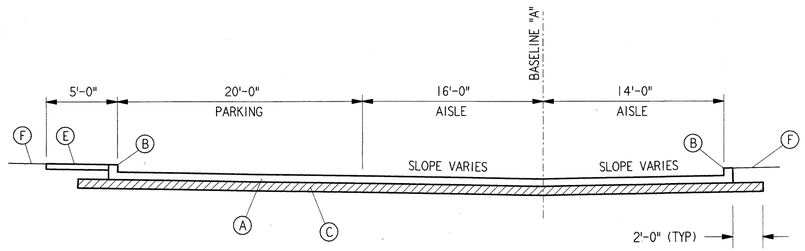

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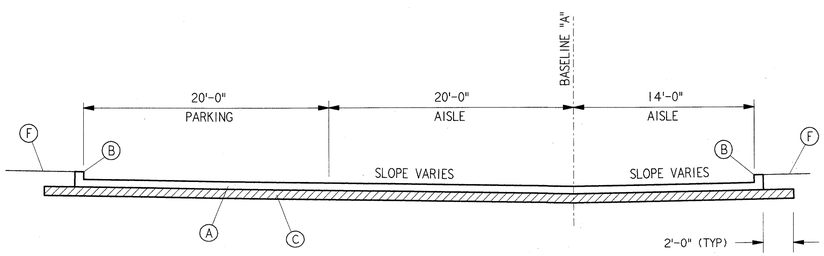

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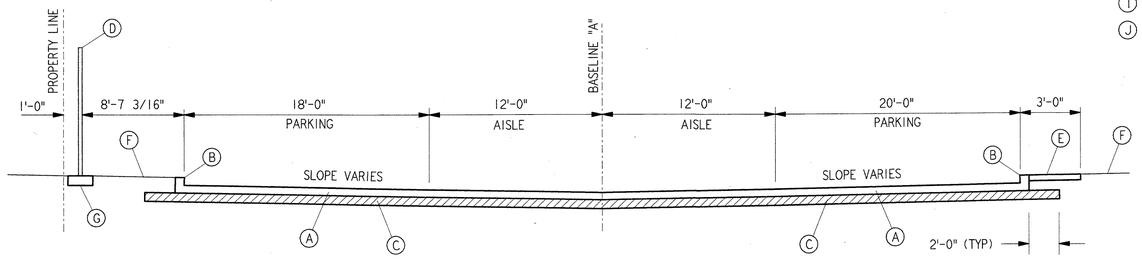

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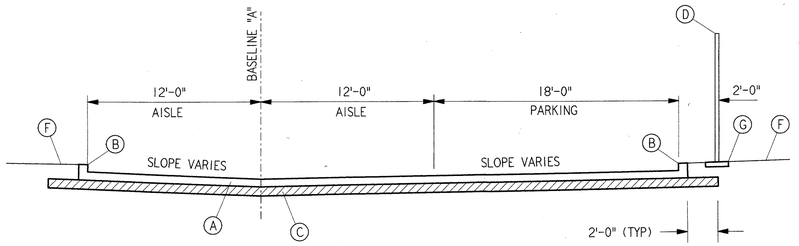
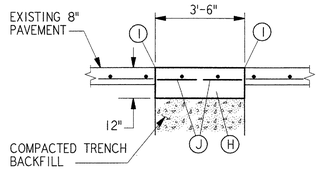
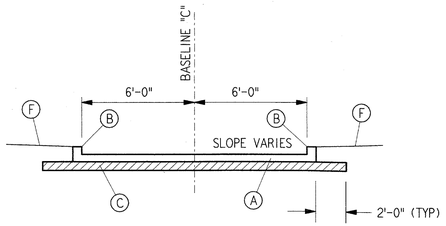


SECTION 7 C12 NTS REF C05



SECTION 8 C12 NTS REF C07



SECTION 9 C12 NTS REF C05

KEYED NOTES:

- (A) 7" CLASS A CONCRETE PAVEMENT WITH #3 BARS ON 24" CENTER EACH WAY AT MIDPOINT.
- (B) 6" MONOLITHIC CURB.
- (C) 6" LIME TREATED SUB-GRADE (33# PER SQUARE YARD).
- (D) SECURITY FENCE
- (E) 4" CONCRETE SIDEWALK. SEE SHEET C15.
- (F) GRASSED SLOPE
- (G) CONCRETE MOW PAD
- (H) 12" CLASS "A" CONCRETE PAVEMENT WITH #4 BARS ON 18" CENTERS EACH WAY AT 4" FROM TOP.
- (I) SAWCUT FULL DEPTH.
- (J) #4 BARS X 2'-6". INSERT INTO EXISTING PAVEMENT 12" INTO DRILLED HOLES AT MID-DEPTH ON 18" CENTERS.

C12

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

TYPICAL PAVING SECTIONS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY: AIRWAY FACILITIES DIVISION

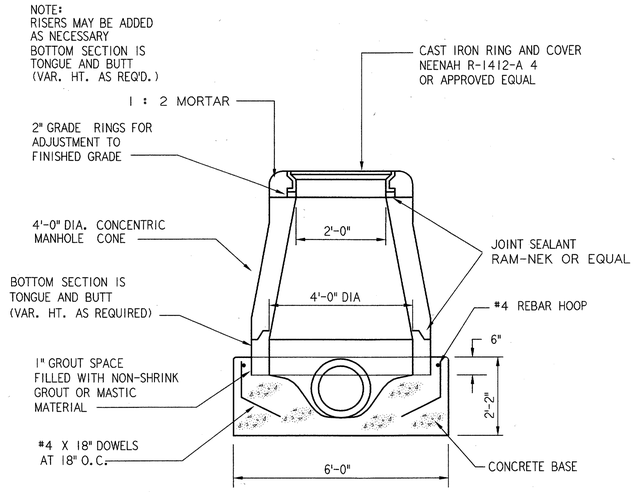
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C12

REGISTERED PROFESSIONAL ENGINEER — DONALD R. YOUNG — 39241 — STATE OF TEXAS
6/22/01

PARSONS
DALLAS, TX

REF. DWG.:

FILENAME: ads1c012.set



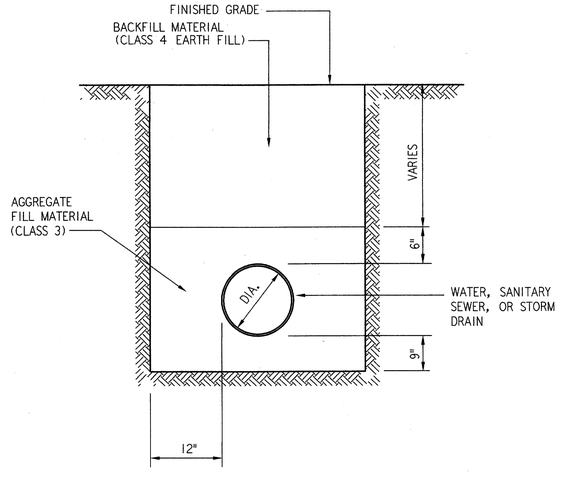
NOTES:

1. MANHOLE RISER PIPE AVAILABLE IN LENGTHS OF ONE (1) TWO (2), THREE (3), OR FOUR (4) FEET.
2. MAXIMUM HEIGHT OF MANHOLES SHALL BE 10'-0".
3. PROVIDE STEPS INSIDE MANHOLES AT 15" ON CENTER. PER SECTION 2.03 C, OF SPECIFICATION 02605.
4. A MAXIMUM OF 4 GRADE RINGS WILL BE ALLOWED TO RAISE MANHOLE COVER TO FINISHED GRADE

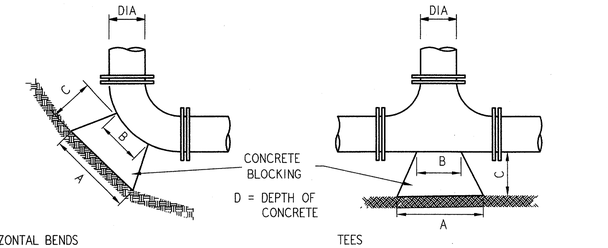
ASTM C478
MANHOLE FOR SANITARY SEWER AND STORM DRAINS
NTS

GENERAL NOTES:

1. ALL FITTINGS TO BE MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED.
2. HYDRANTS SHALL STAND PLUMB AND WITH THE PUMPER NOZZLE SET TOWARD THE STREET.



PIPE EMBEDMENT
NTS



HORIZONTAL BENDS

DIA	A	B	C	D
2"	5'-0"	2'-8"	1'-0"	0'-8"
3"	5'-0"	2'-8"	1'-0"	0'-8"
4"	5'-0"	2'-8"	1'-0"	0'-8"
6"	6'-0"	3'-0"	1'-6"	1'-0"
8"	6'-0"	3'-0"	1'-6"	1'-0"

TEES

DIA	A	B	C	D
2"	2'-0"	1'-0"	1'-0"	0'-8"
3"	2'-0"	1'-0"	1'-0"	0'-8"
4"	2'-0"	1'-0"	1'-0"	0'-8"
6"	2'-6"	1'-3"	1'-6"	1'-0"
8"	2'-6"	1'-3"	1'-6"	1'-0"

HORIZONTAL BLOCKING FOR WATER MAINS
NTS

C13

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

GERALD A. YOUNG 35552 REGISTERED PROFESSIONAL ENGINEER STATE OF TEXAS
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

UTILITY DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

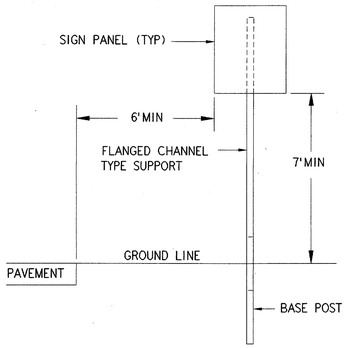
DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

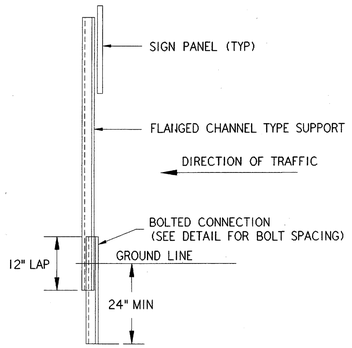
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C13

REF. DWG.:

FILENAME: adslc013.dft





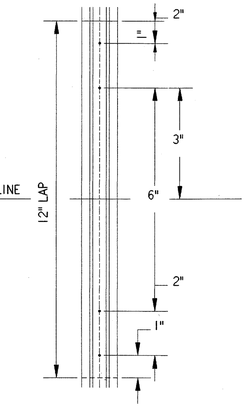
TYPICAL FRONT ELEVATION
(FINISHED ASSEMBLY)

TYPICAL END VIEW
(FINISHED ASSEMBLY)

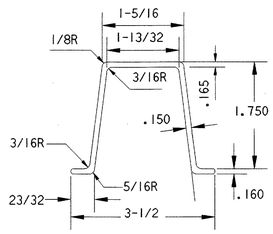
FLANGED CHANNEL PROPERTIES					
* WEIGHT	AREA	$ X-X AXIS		Y-Y AXIS	
PER FOOT	SQ. IN.	I (IN^4)	S (IN^3)	I (IN^4)	S (IN^3)
3.00 LBS.	.92	.40	.43	.87	.50

* ±3 1/2 %
$ GOVERNING SECTION

SECTION SHOWN MAY BE SLIGHTLY VARIED AS APPROVED BY THE ENGINEER IN WRITING.



BOLT SPACING FOR SPLICE



TYP SECTION OF SIGN POST

FLANGED CHANNEL TYPE SUPPORT FOR GUIDE SIGNS FOR TRAFFIC CONTROL

GENERAL NOTES FOR FLANGED CHANNEL TYPE SUPPORT

1. BASE POST AND SIGN POST SHALL BE FLANGED CHANNEL SECTION, HIGH STRENGTH RAIL STEEL MEETING REQUIREMENTS OF ASTM A499-81 MODIFIED TO 70,000 PSI MINIMUM YIELD STRENGTH.

2. THE FINISH FOR SIGN POST SHALL BE HOT DIP GALVANIZING MEETING REQUIREMENTS OF ASTM A123, A-525, G-90 SPECIFICATIONS OR BETTER. THE FINISH FOR THE BASE POST SHALL BE HOT DIP GALVANIZING MEETING REQUIREMENTS OF ASTM G-90 AND COATED WITH ONE MIL OF CLEAR APPROVED COATING, OR GALVANIZING IN ACCORDANCE WITH ASTM A-123. GALVANIZING SHALL BE APPLIED AFTER FABRICATION IS COMPLETED.

3. THE WEIGHT OF EACH BASE POST BEFORE PUNCHING SHALL BE 3.00 LB/FT, PLUS OR MINUS 3-1/2%. THE LENGTH OF THE BASE POST SHALL BE 3.5 FEET WITH AN ALLOWABLE TOLERANCE OF PLUS OR MINUS ONE INCH.

4. THE WEIGHT OF EACH SIGN POST BEFORE PUNCHING SHALL BE 3.00 LB/FT, PLUS OR MINUS 3-1/2%. POST LENGTHS SHALL BE IN 1.0 FOOT INCREMENTS THROUGH 15.00 FEET WITH A TOTAL LENGTH TOLERANCE OF PLUS OR MINUS 1.5 INCHES.

5. ALL POSTS SHALL BE MACHINE STRAIGHTENED AND HAVE A SMOOTH UNIFORM FINISH FREE FROM INJURIOUS DEFECTS AFFECTING STRENGTH OR APPEARANCE. BOLT HOLES OF 0.438 INCH DIAMETER SHALL BE CAREFULLY SPACED, VERTICALLY AND HORIZONTALLY, SO THAT HOLES WILL ALIGN FOR EASY ASSEMBLY. ALL BOLT HOLES AND SHEARED ENDS SHALL BE COMMERCIALLY FREE FROM BURRS.

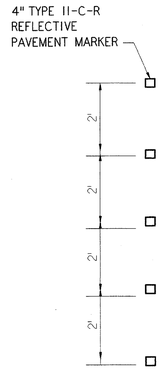
6. BOLTS AND NUTS SHALL BE HEX HEAD INTEGRAL FLANGE TYPE, 3/8 INCH BY 16 UNC. BOLTS - ASTM A354 GRADE BD. NUTS - ASTM A563 GRADE DH.

7. LOCKWASHERS SHALL BE 3/8 INCH EXTRA DUTY HELICAL SPRING. BOLTS, NUTS, AND LOCKWASHERS SHALL BE MECHANICALLY GALVANIZED TO ASTM B454-76, CLASS 25.

8. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE FLANGED CHANNEL SUPPORT MAY REQUIRE SIGN PANEL MOUNTING HOLES CONTRARY TO TYPICAL MANUFACTURED SPACINGS. THEREFORE, THE CONTRACTOR HAS THE OPTION TO USE A FLANGED CHANNEL SECTION WHICH DOES NOT HAVE PRE PUNCHED HOLES AND TO FIELD DRILL THE HOLES AT THE REQUIRED LOCATIONS.

9. INSTALLATION OF THE FLANGED CHANNEL SECTION SHALL CONSIST OF DRIVING THE BASE POST PLUMB AND TO THE SPECIFIED DEPTHS SHOWN. THE SIGN POST CAN THEN BE ATTACHED TO THE BASE POST WITH THE SLICE LENGTH AND BOLT SPACING SHOWN. THE SIGN PANEL IS FINALLY ATTACHED TO THE SIGN POST WITH A MAXIMUM BOLT SPACING OF 12 INCHES.

(14) HANDICAP PAVEMENT MARKING
NTS

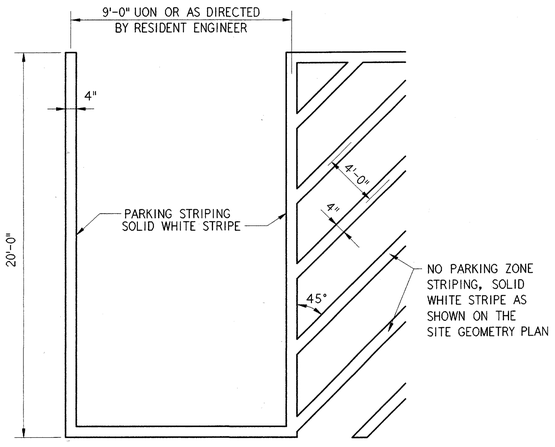


MARKER DETAIL
NTS

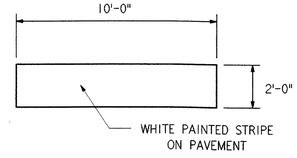
NOTES:

1. PAINT FOR STRIPING AND STOP BAR SHALL BE PROMAR TRAFFIC MARKING PAINT BY SHERWIN WILLIAMS OR APPROVED EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS.
   APPLICATION RATE:
   PARKING STRIPING - 400 LF/GAL
   STREET STRIPING - 300 LF/GAL

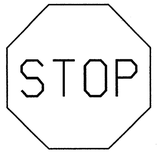
2. PAVEMENT MARKERS SHALL BE ORIENTED WITH THE WHITE REFLECTOR FACING TRAFFIC.



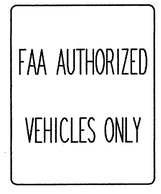
(10)(13) PARKING STRIPING DETAIL
NTS



(2) PAINTED STOP BAR DETAIL
NTS

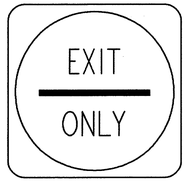


(24"X24")
(1) R1-1
SHEET C05



(18) (24"X30")
SHEET C05

(15) (24"X30")
SHEET C05



(30"X30")
SHEET C05

(30"X30")
R5-1
SHEET C05
SHEET C09

HANDICAP PARKING SIGN
(12X18)
R7-8
SHEET C05

NOTES:
1. CONTRACTOR SHALL FOLLOW THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

SIGN DETAILS
NTS

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — RONALD A. YOUNG — 93561 — 6/26/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

STRIPING/SIGNAGE DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: R.YOUNG
REVIEWED: L.POND
ORIG. DFT.: J.MILLER
FACILITY:

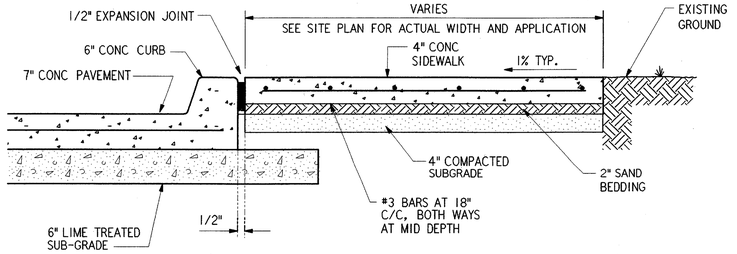
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C14

C14

FILENAME: ads\c014.dft

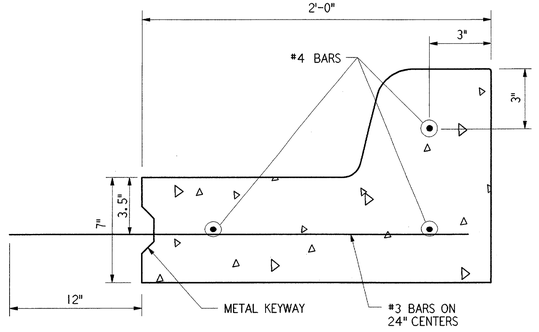
REF. DWG.:



CURB AND GUTTER W/INTEGRAL SIDEWALK

NTS

SIDEWALK IS REQUIRED AS PER SHEET C03 ONLY.

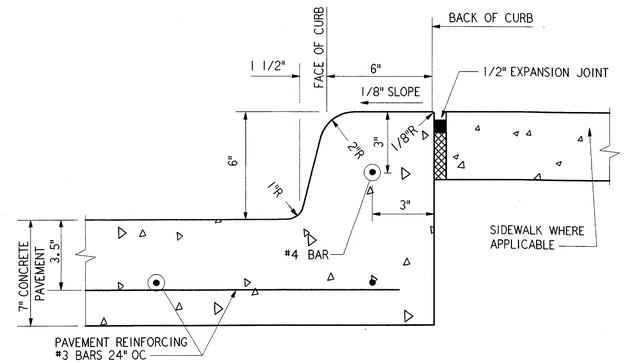


CURB AND GUTTER DETAIL

NTS

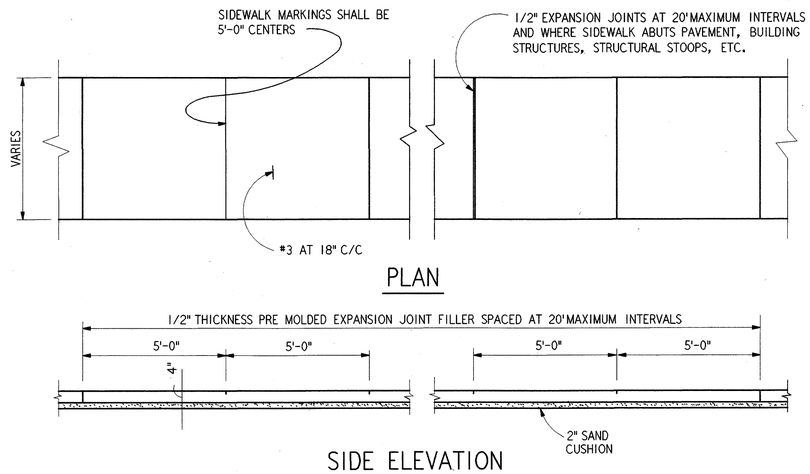
NOTES:

1. CURB AND GUTTER MAY BE USED AS AN ALTERNATE IN LIEU OF THE 6" MONOLITHIC CURB.
2. SEE 6" MONOLITHIC CURB DETAIL FOR DIMENSIONS AND RADII OF CURB.



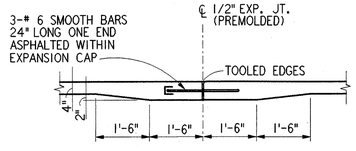
6" MONOLITHIC CURB DETAIL

NTS



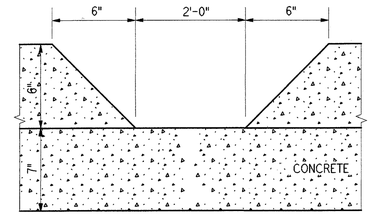
PLAN

SIDE ELEVATION



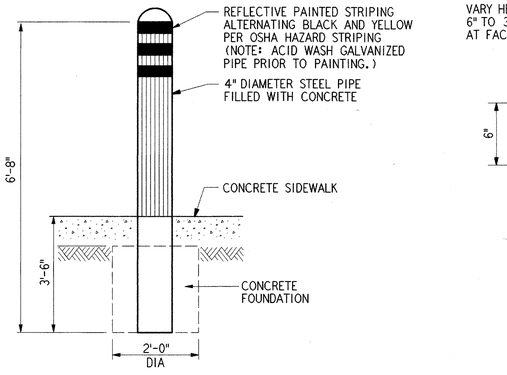
SECTION EXPANSION JOINT CONCRETE SIDEWALK

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



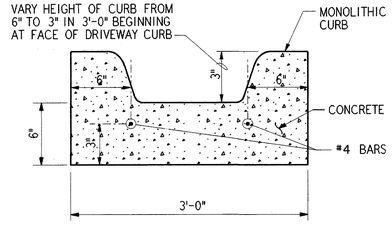
CURB OPENING AT CANTILEVER GATE

NTS



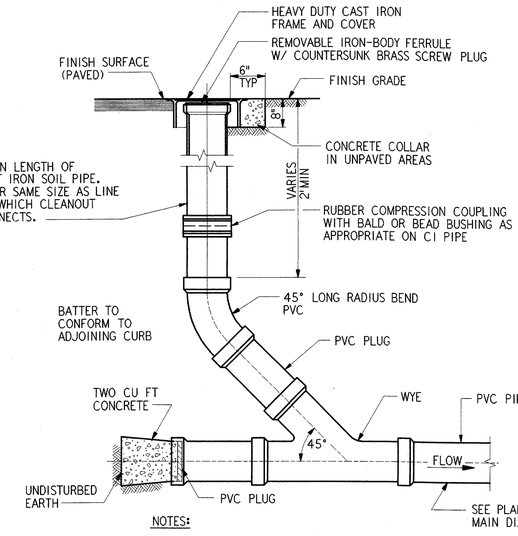
GUARD POST DETAIL

NTS



GATE RETRACK

NTS



NOTES:

1. A PVC RISER IS PERMITTED BELOW COUPLING TO CONNECT WITH 45° LONG RADIUS BEND.
2. FERRULE AS SHOWN IS APPLICABLE TO 4"-8" SEWER, FOR 10"-15" SEWERS USE A BLIND PLUG.
3. SUBSTITUTE CONNECTION TO UPSTREAM LINE FOR PLUG, WHERE SHOWN ON PLANS.
4. COVER SHALL BE CAST WITH LETTERS "C.O." ON TOP.

CLEANOUT

NTS

C15

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — RONALD R. YOUNG — 36592

6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

PAVEMENT DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

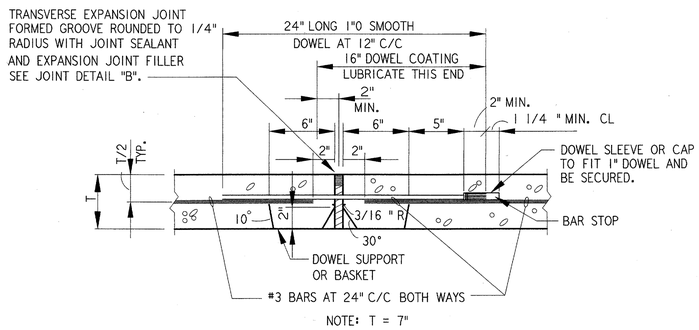
SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: R.YOUNG	ISSUED BY	DATE: 06-22-01
REVIEWED: L.POND	AIRWAY FACILITIES DIVISION	DRAWING NUMBER: ADS-ATCT- C15
ORIG. DFT.: J.MILLER		
FACILITY:		

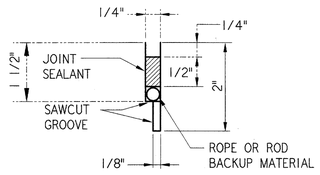
REF. DWG.:

FILENAME: adsc015.dtt



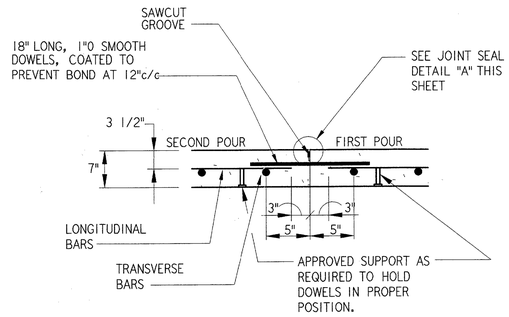
T=TRANSVERSE EXPANSION JOINT

NOT TO SCALE



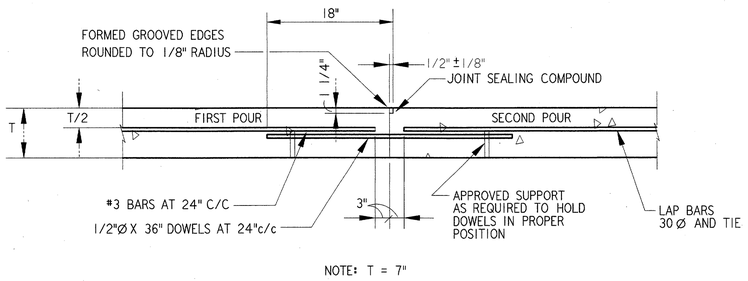
JOINT SEAL - DETAIL "A"

NOT TO SCALE



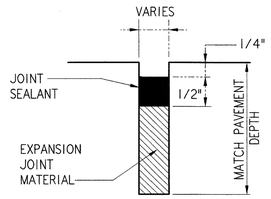
TRANSVERSE CONSTRUCTION JOINT

NOT TO SCALE



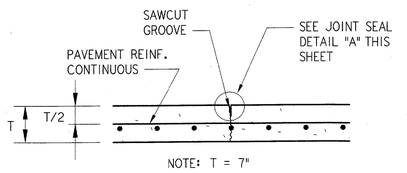
L=LONGITUDINAL CONSTRUCTION JOINT

NOT TO SCALE



EXPANSION JOINT - DETAIL "B"

NOT TO SCALE



S=CONTRACTION JOINT

NOT TO SCALE

NOTE: THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CONTRACTING OFFICER FOR APPROVAL, A JOINT LAYOUT PLAN SHOWING THE LOCATIONS OF EXPANSION, CONSTRUCTION AND CONTRACTION JOINTS. MAXIMUM JOINT SPACING SHALL BE 20'-0" ON CENTER.

C16

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

GERALD R. YOUNG 86541 REGISTERED ENGINEER STATE OF TEXAS
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

JOINT DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

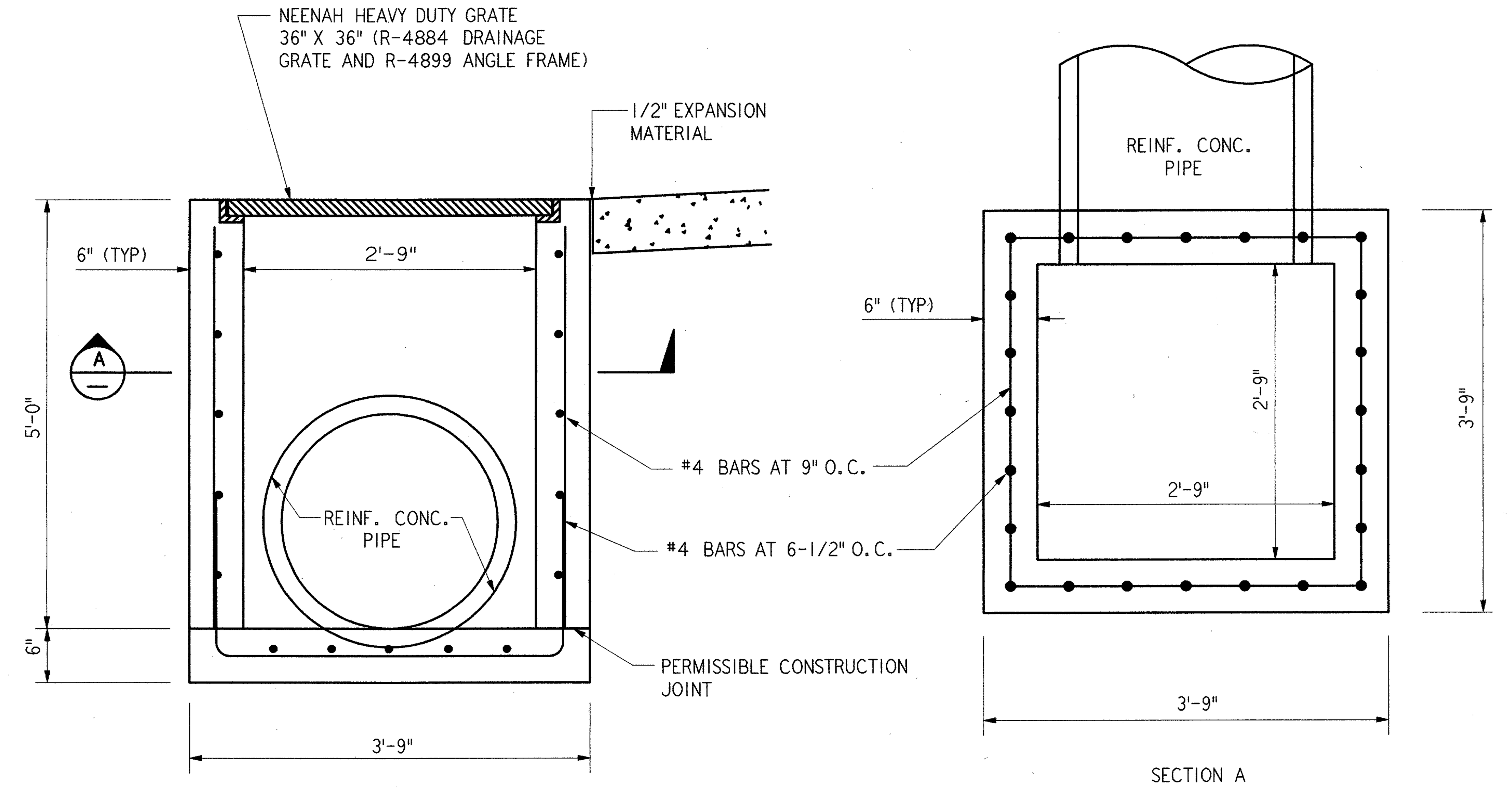
DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C16

REF. DWG.:

FILENAME: adstc016.dft



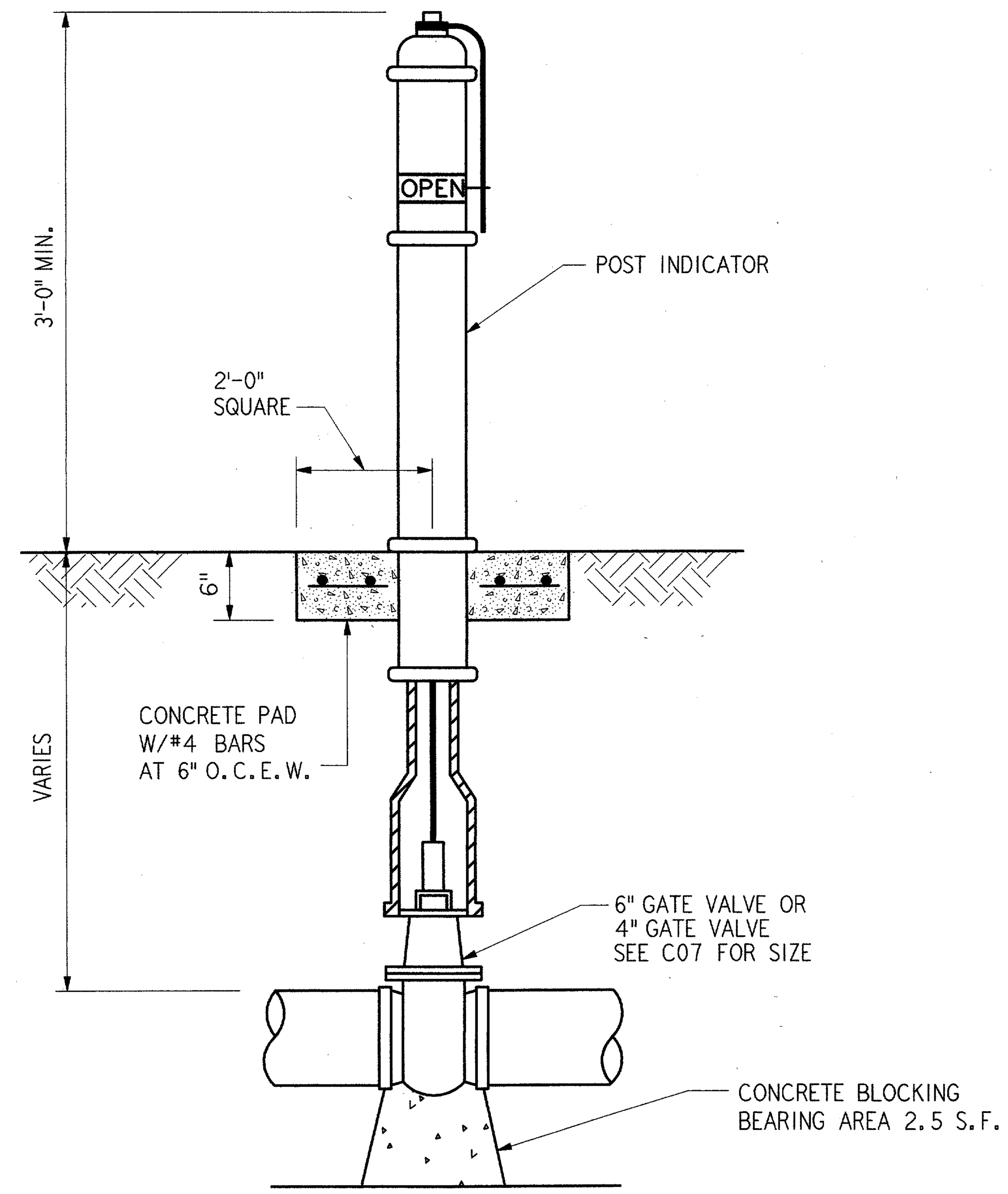
GRATE INLET NOTES :

1. STEEL SHALL HAVE A 30 DIAMETER LAP AT SPLICES.
2. ALL STEEL SHALL HAVE A MIN. 2-1/2" COVER.
3. A PRECAST GRATE INLET HAVING THE DEPTH AND GRATE OPENING SHOWN MAY BE USED WITH THE APPROVAL OF THE CONTRACTING OFFICER.
4. CONCRETE SHALL BE CLASS D.

GRATE DRAINAGE INLET DETAIL (1/C17)

NTS

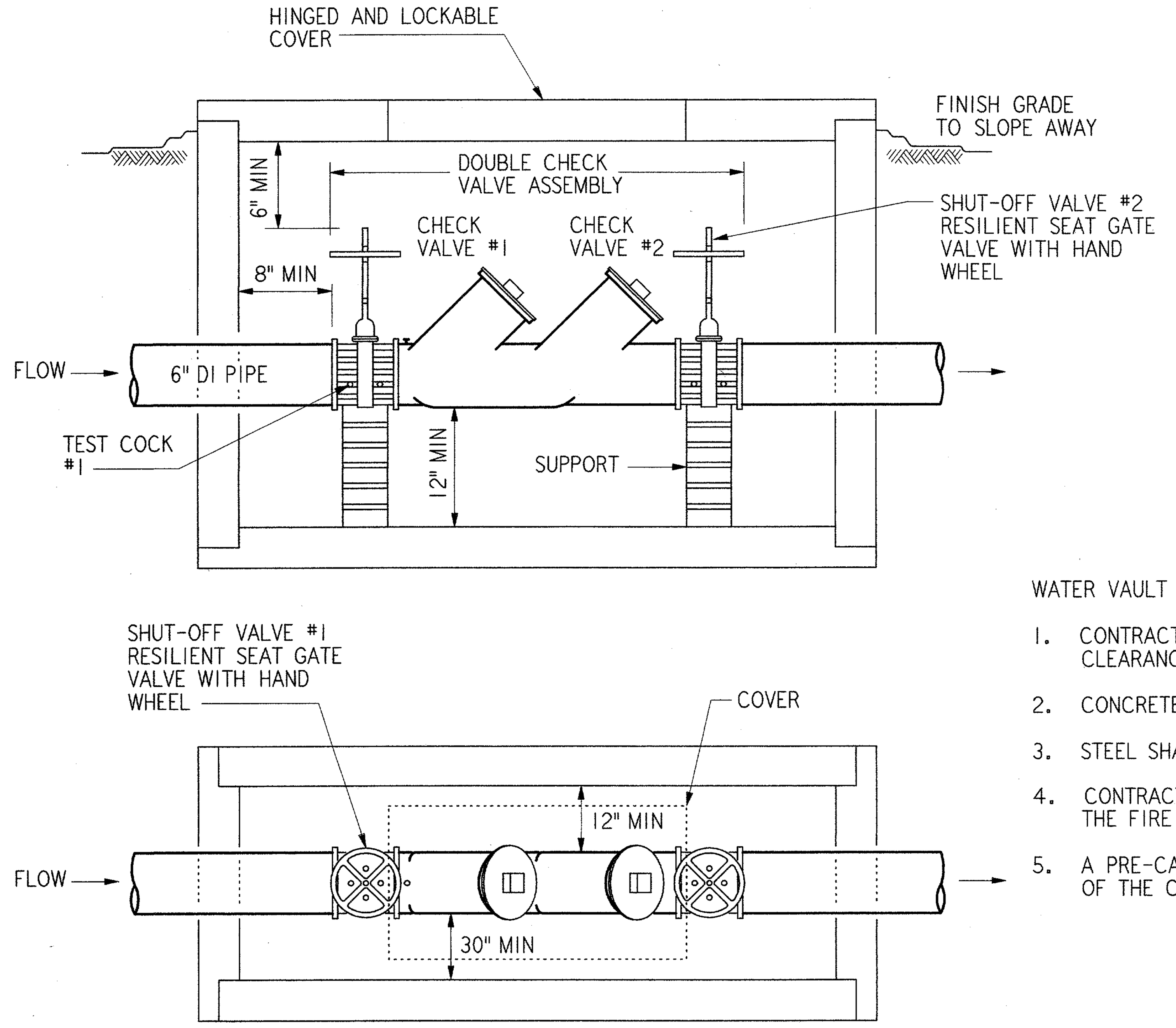
REF C05 C06 C07



POST INDICATOR VALVE DETAIL (2/C17)

NTS

REF C07



WATER VAULT NOTES:

1. CONTRACTOR SHALL PROVIDE A VAULT HAVING THE CLEARANCES SHOWN HEREIN.
2. CONCRETE SHALL BE CLASS D MIN 2 1/2" COVER.
3. STEEL SHALL HAVE A MIN 2 1/2" COVER.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF THE FIRE WATER VAULT.
5. A PRE-CAST VAULT MAY BE USED WITH THE APPROVAL OF THE CONTRACTING OFFICER.

FIRE WATER VAULT DETAIL (3/C17)

NTS

REF C07

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

PARSONS

DALLAS, TX

C17

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

DRAINAGE/UTILITY DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

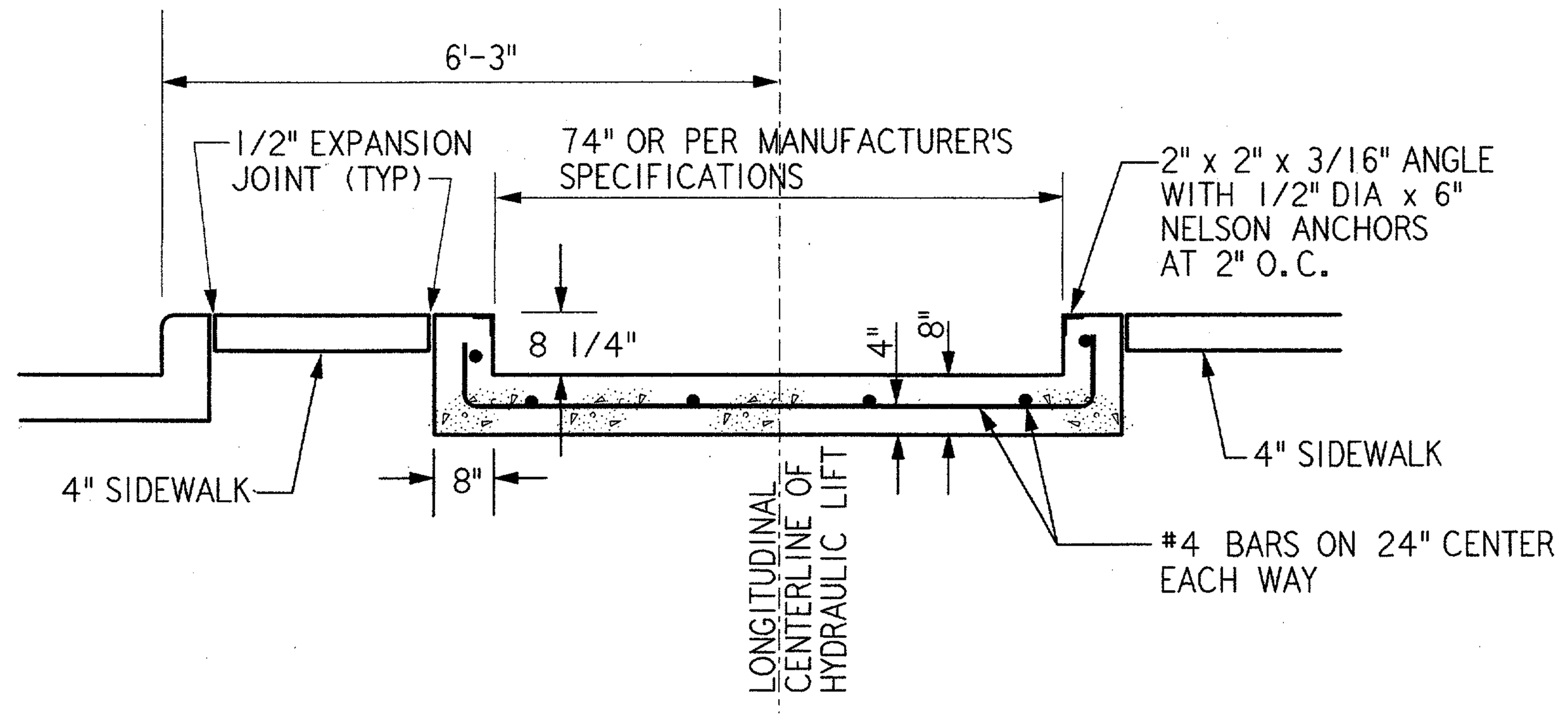
DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

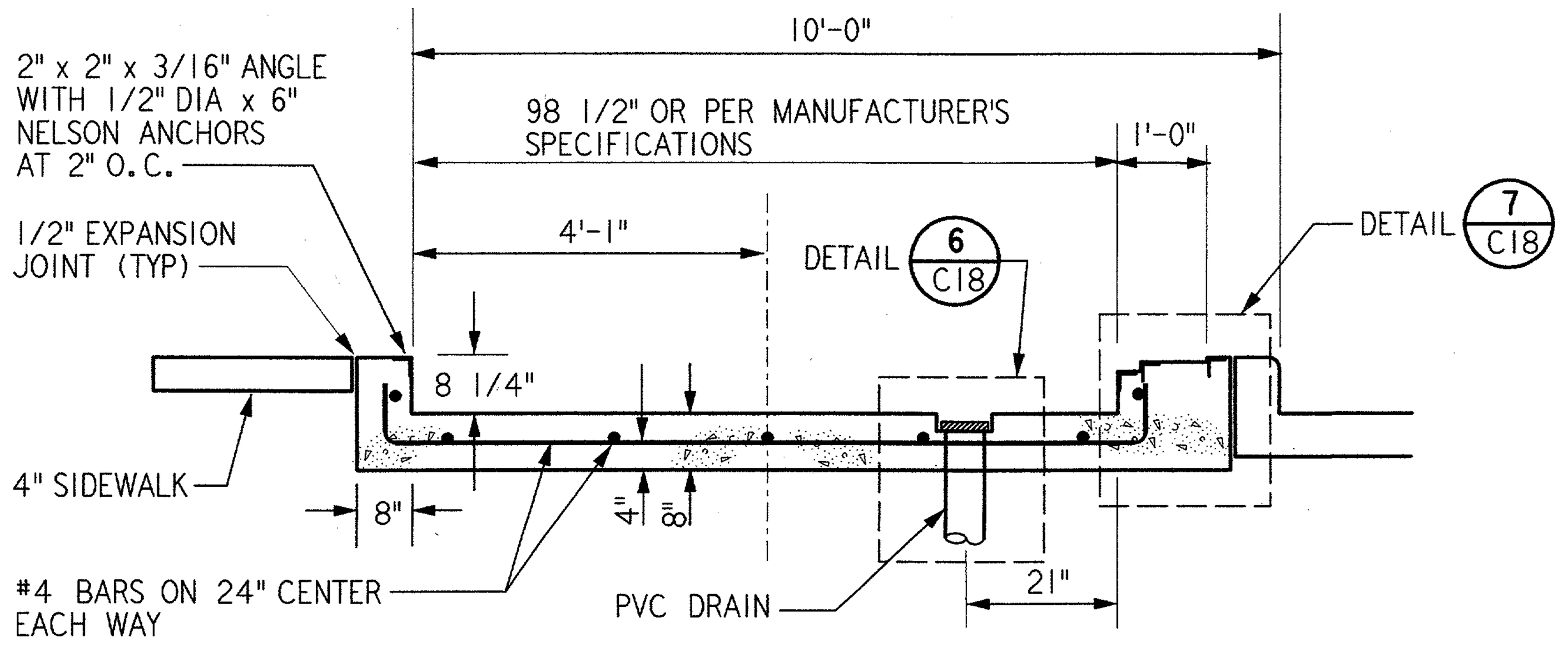
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C17

REF. DWG.:

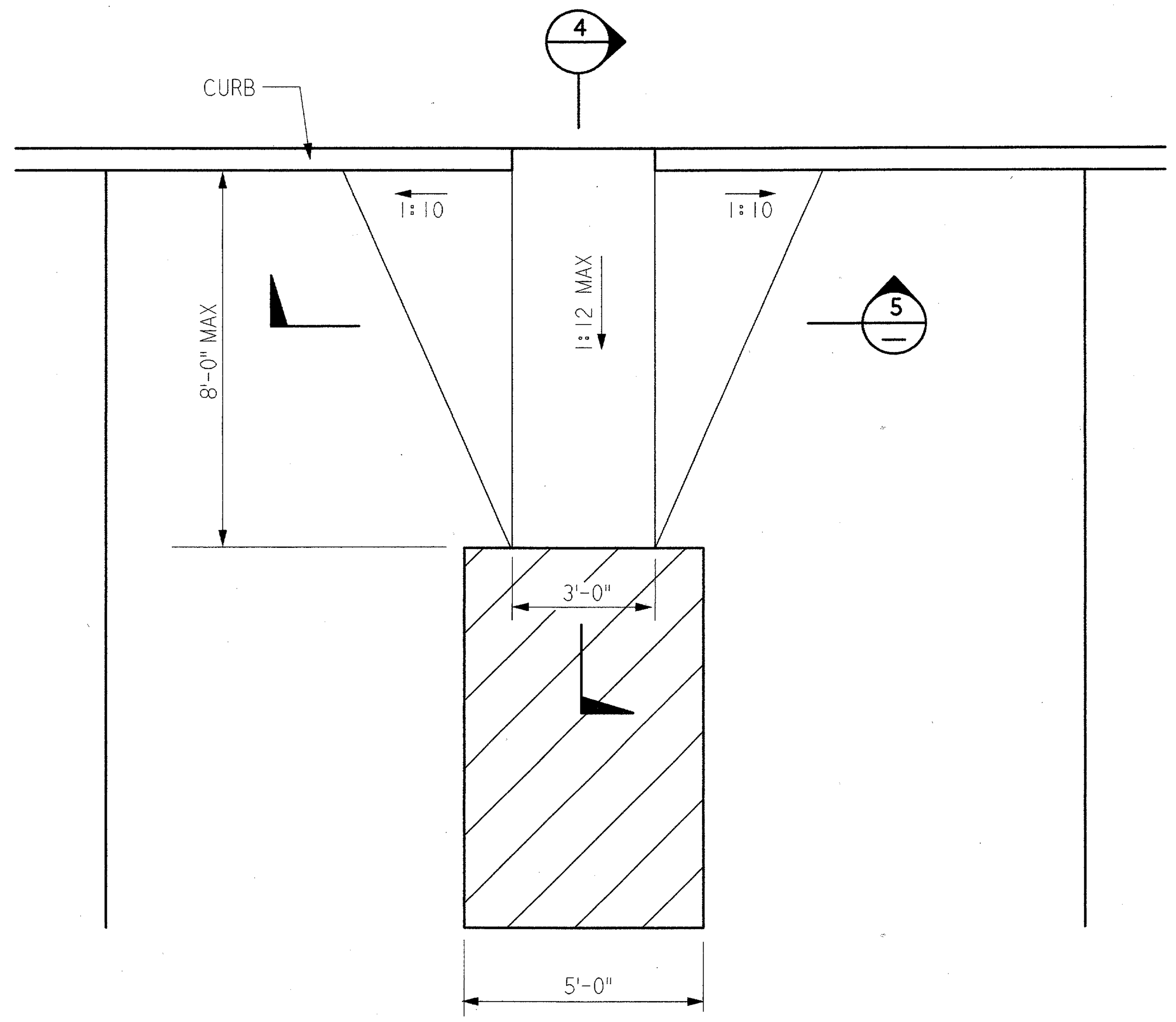
FILENAME: adslc017.dft



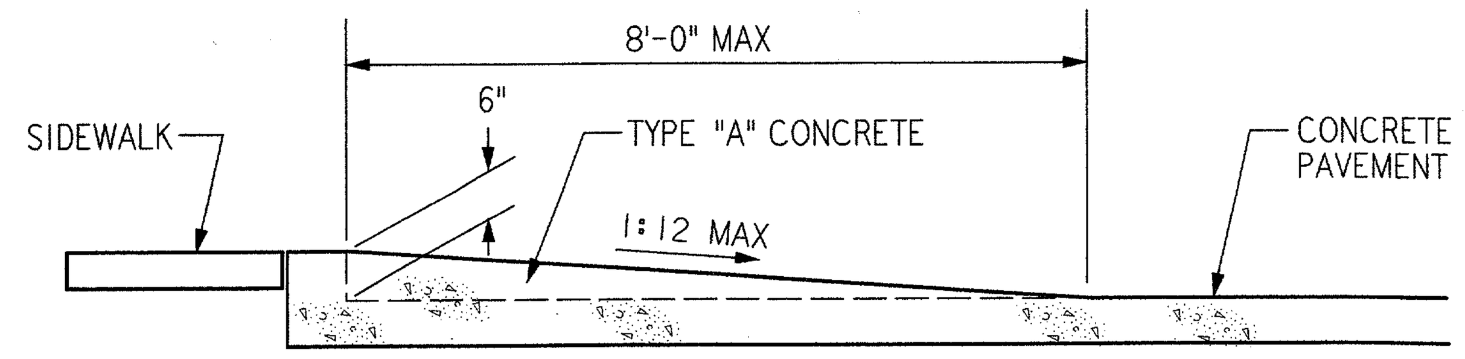
SECTION 1 / C18 REF C05
NTS



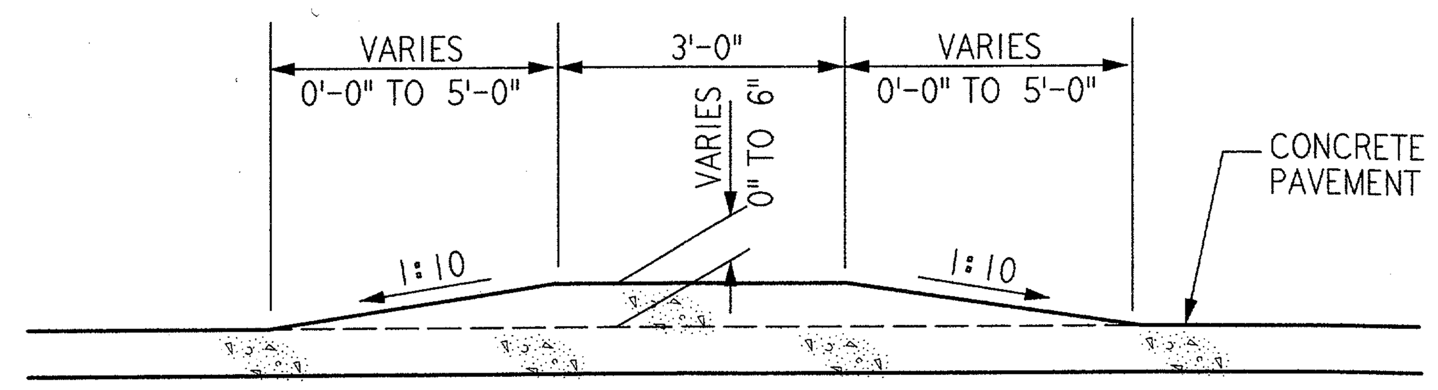
SECTION 2 / C18 REF C05
NTS



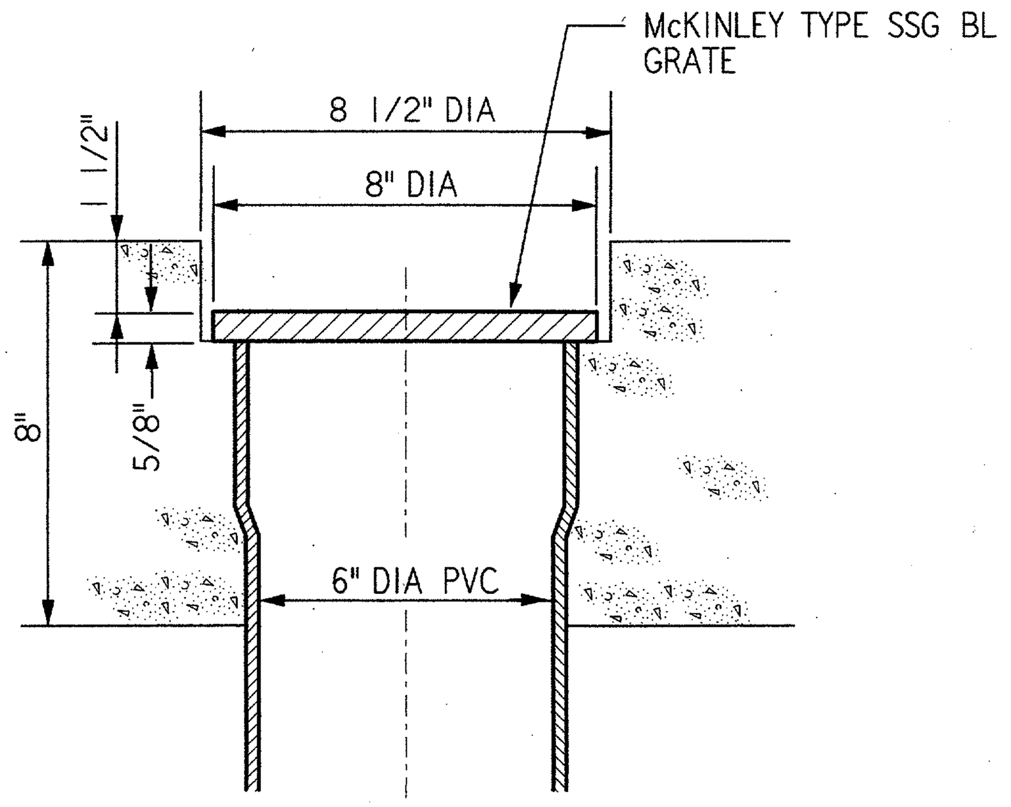
HANDICAP RAMP DETAIL 3 / C18 REF C05
NTS



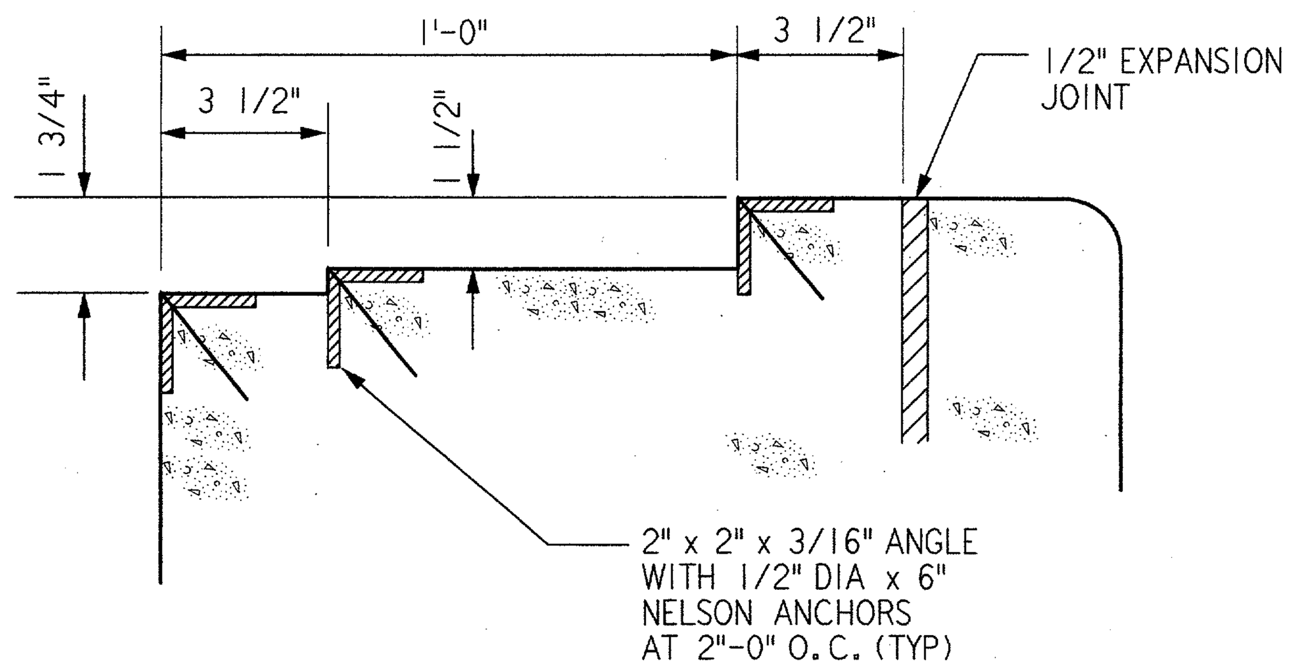
SECTION 4 / C18
NTS



SECTION 5 / C18
NTS



DETAIL 6 / C18 REF C05
NTS



DETAIL 7 / C18 REF C05
NTS

C18

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

MISCELLANEOUS SECTIONS AND DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: J. MILLER
FACILITY:

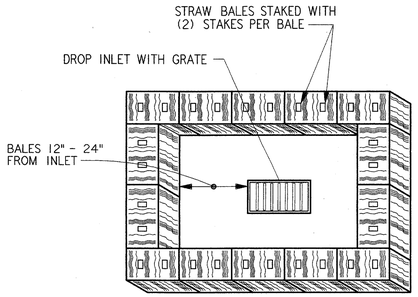
ISSUED BY AIRWAY FACILITIES DIVISION

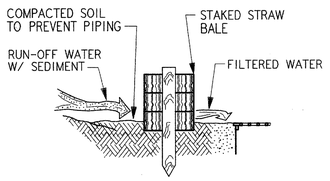
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C18

6/22/01

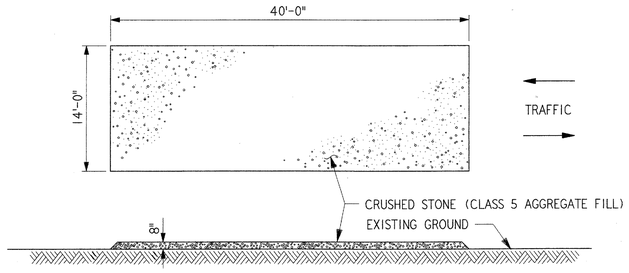
FILENAME: adsic018.dft

REF. DWG.:

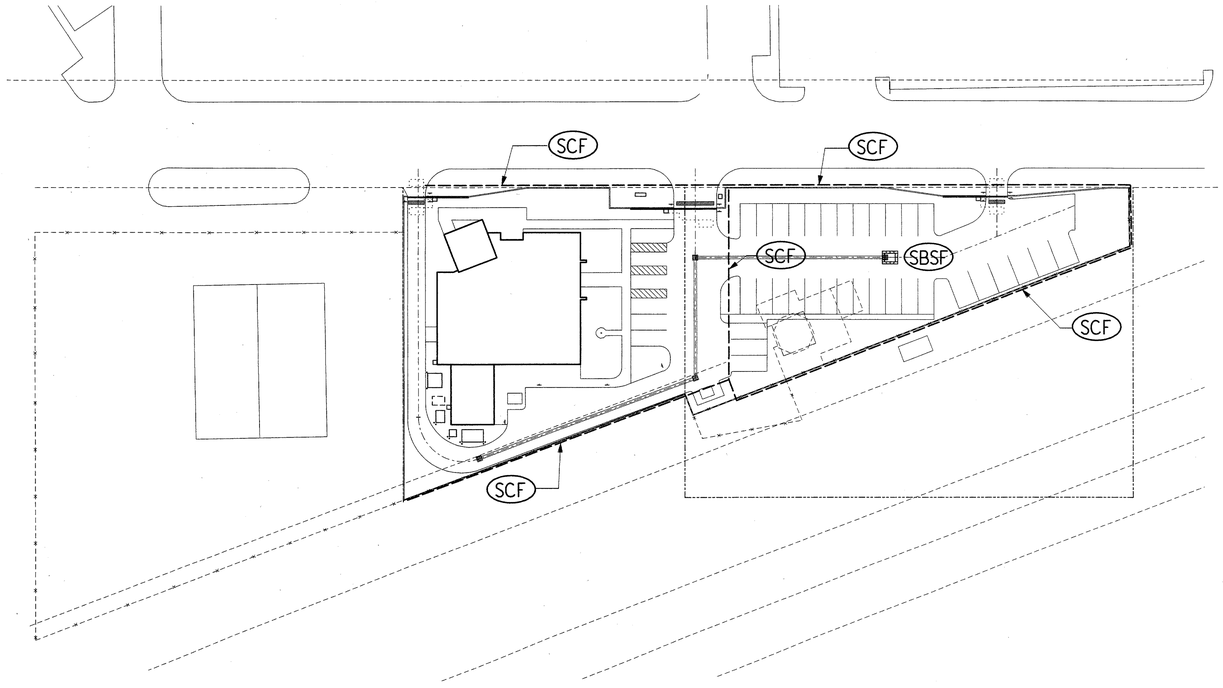




STRAW BALE SEDIMENT FILTER (SBSF)

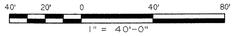


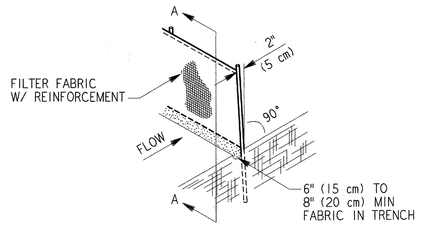
STABILIZED CONSTRUCTION ENTRANCE (SCE)

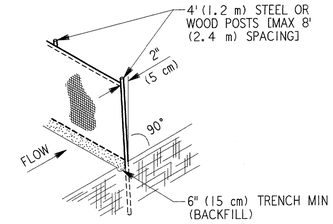


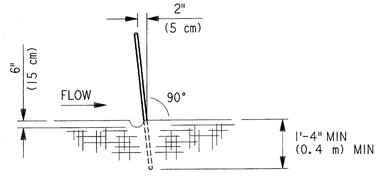
SITE PLAN

1" = 40'









REINFORCEMENT AND FILTER FABRIC TO BE ATTACHED AS DIRECTED BY THE RESIDENT ENGINEER.

SEDIMENT CONTROL FENCE (SCF)

NOTE: POULTRY NETTING SHALL NOT BE ALLOWED AS REINFORCEMENT MATERIAL.

GENERAL NOTES:

1. INSTALL SEDIMENT CONTROL FENCE PRIOR TO ANY CLEARING OR EXCAVATION.
2. MAINTAIN STRAW BALE SEDIMENT FILTER AROUND INLETS DURING GRADING AND RELOCATE TO NEW INLET LOCATIONS AS THEY ARE COMPLETED.
3. DURING CONSTRUCTION OF THE DOUBLE 66" DIA PIPE, MAINTAIN EROSION CONTROL MEASURES.
4. PROVIDE MIN ONE (1) STABILIZED CONSTRUCTION ENTRANCE AT LOCATIONS DESIGNATED BY RESIDENT ENGINEER.

KEYED NOTES:

(1) SEDIMENT CONTROL FENCE SEE DETAIL THIS SHEET.
(2) STRAW BALE SEDIMENT FILTER SEE DETAIL THIS SHEET.

C19

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

DONALD A. YOUNG
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

EROSION CONTROL PLAN

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

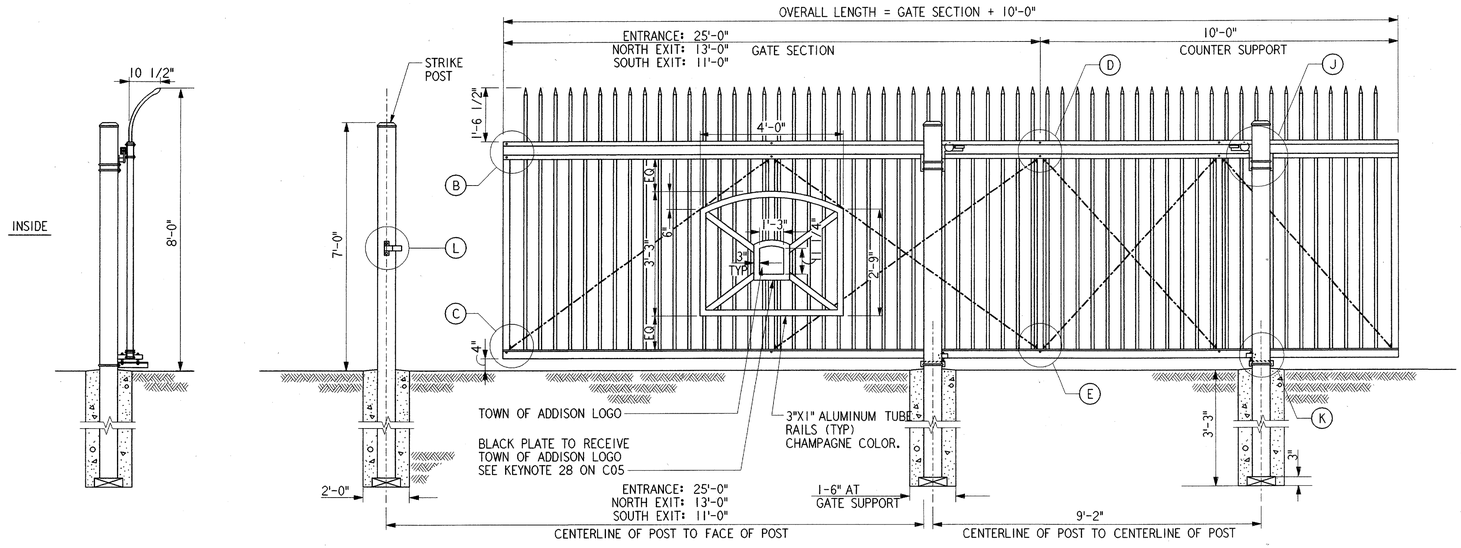
DESIGNED: R.YOUNG
REVIEWED: L.POND
ORIG. DFT.: J.MILLER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- C19

REF. DWG.:

FILENAME: adsc019.dft

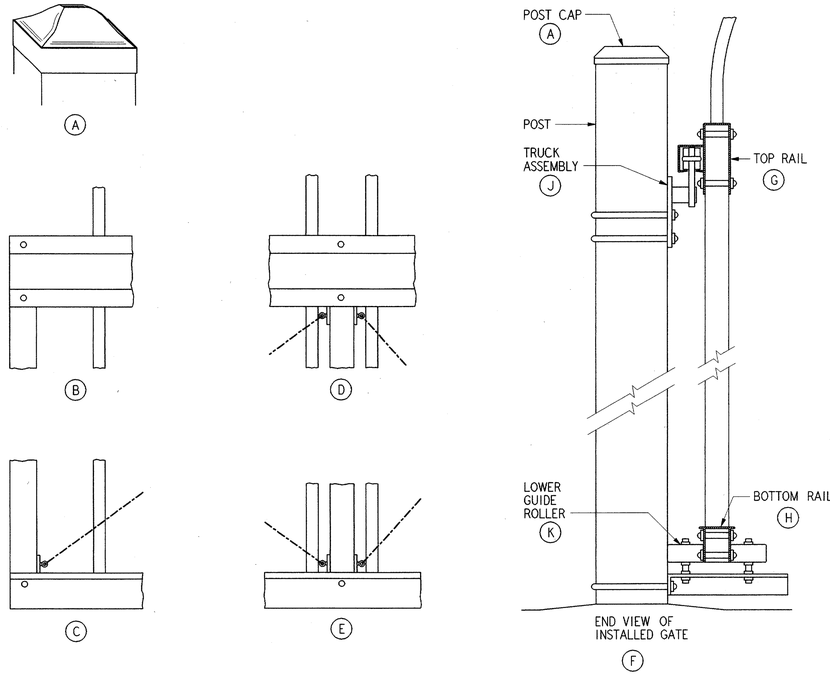


SECTION (2/C20) REF C09
NOT TO SCALE

CANTILEVER GATE INSIDE ELEVATION (1/C20) REF C05 C09
NOT TO SCALE

NOTES:

1. THE MATERIALS FOR FENCE FRAMEWORK (PICKETS, RAILS, POSTS, ETC.) SHALL BE MANUFACTURED FROM COIL STEEL. THE COLOR SHALL BE BLACK. SEE SPECIFICATION 02831.
2. WHEN SOLID ROCK IS ENCOUNTERED, CORE DRILL A HOLE 1" LARGER THAN THE POST DIAMETER, 15" DEEP. FILL HOLE WITH A SLIGHTLY STIFF NON-SHRINK GROUT AND PLACE POST.
3. FENCES AND GATES SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY FITTINGS.
4. FOR GATES - SIZES OF POSTS, FRAMES, SAG RODS AND TURNBUCKLES SHALL BE MANUFACTURER'S STANDARD WHICH ALSO MEET THE REQUIREMENTS OF THIS DRAWING.
5. FENCE IS TO BE LOCATED SO THAT INTRUDER GUARD DOES NOT OVERHANG PROPERTY LINE.
6. POSTS SHALL BE ROLLED OR EXTRUDED SECTIONS OR TUBING OF STEEL OR ALUMINUM CAPABLE OF WITHSTANDING A LATERAL FORCE OF 100 POUNDS APPLIED AT THE TOP. ALL HOLLOW POSTS SHALL BE CAPPED.
7. FENCE AND GROUNDING SHALL BE WITH ACCORDANCE WITH ELECTRICAL DRAWING E69. USE THIS DRAWING (-C20) FOR ADDITIONAL GROUNDING REQUIRED ON SLIDING GATES.
8. ALL CONCRETE SHALL BE 3000 POUNDS WITH 3" SLUMP AND 3/4" MAXIMUM SIZE AGGREGATE.
9. GATE TO BE GROUNDED WITH WELDING CABLE TO THE INSIDE OF THE SITE. CABLE SHOULD NOT INTERFERE WITH GATE OPERATION.
10. SECURITY MEASURES REQUIRE NO CLIMABLE OBJECTS SHALL BE WITHIN 20 FEET OF THE FENCE. TREES SHALL BE TRIMMED BACK OR REMOVED.
11. PROVIDE MECHANICAL RELEASE FOR GATES.



CANTILEVER GATE DETAILS
NOT TO SCALE

CANTILEVER GATE HARDWARE
NOT TO SCALE

C20

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
RONALD A. YOUNG
36581
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

CANTILEVER GATE ELEVATION AND DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

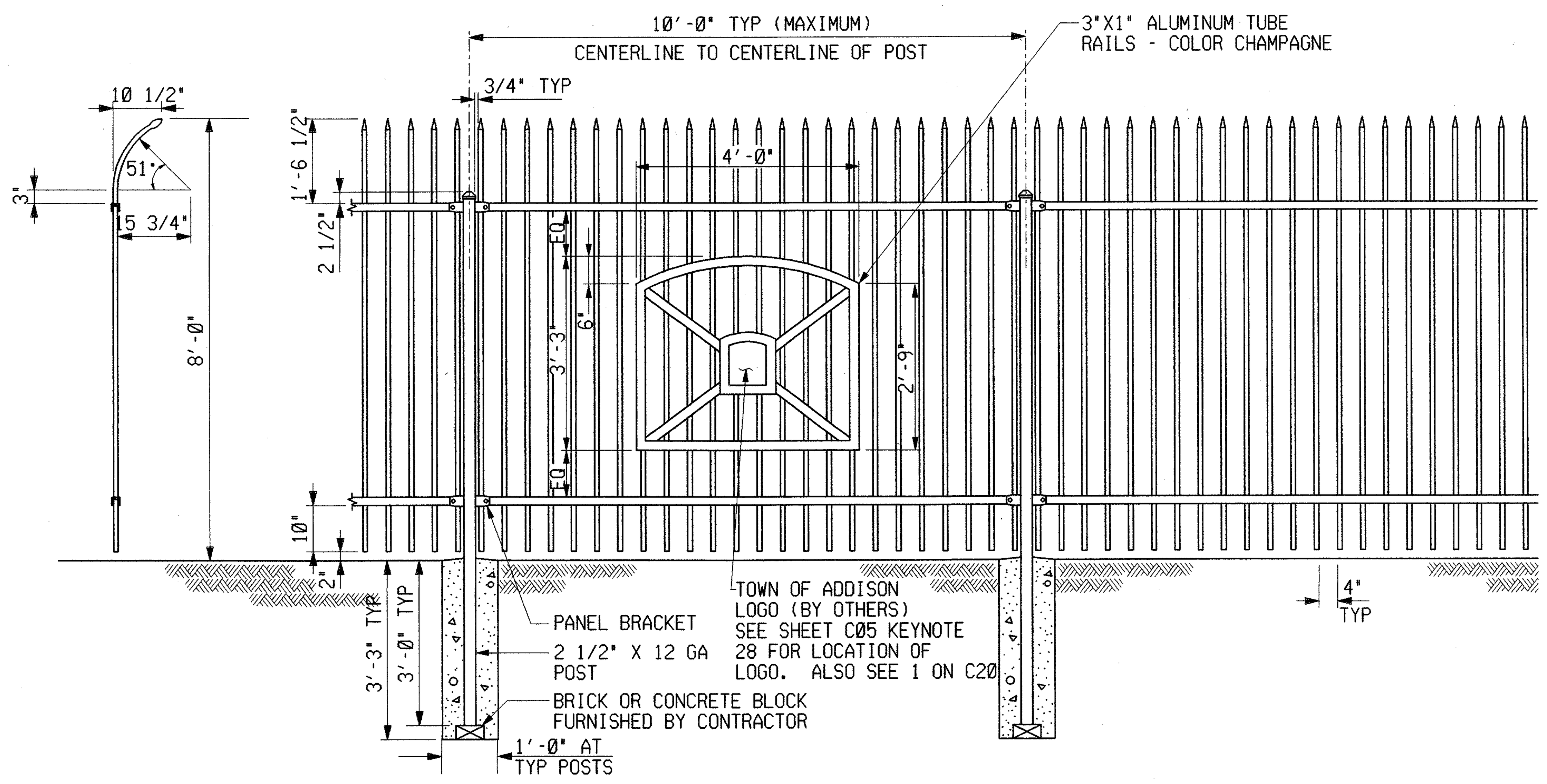
DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- C20

REF. DWG.:

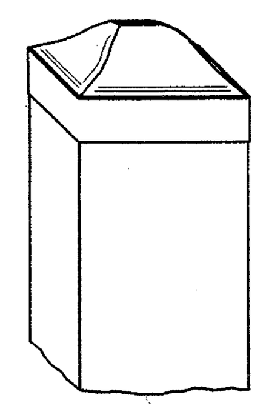
FILENAME: ads(c020.dtf



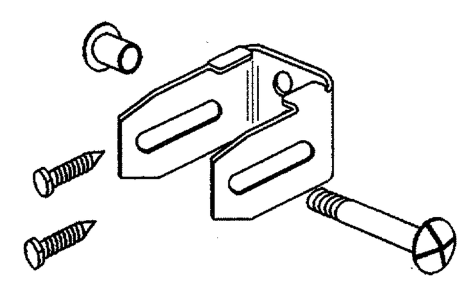
ORNAMENTAL FENCE

(1 / C21) REF C05 C09

NOT TO SCALE



POST WITH CAP



PANEL BRACKET

HEAVY DUTY HARDWARE

NOT TO SCALE

FRAMEWORK		
PICKETS	RAILS	POSTS
1" SQ X 16 GA	1 3/4" SQ X 14 GA	SEE TABLE BELOW

WIND LOADING				
HEIGHT (FT)	RAIL LENGTH	POST SIZE	WIND LOAD CAPACITY FACTOR (PSF)	TYPICAL WIND LOAD CAPACITY (MPH)
6	6	2 1/2" X 12 GA	45.5	133
		3" X 12 GA	54.6	146
	8	2 1/2" X 12 GA	34.2	116
		3" X 12 GA	41.0	127
7	6	2 1/2" X 12 GA	33.4	114
		3" X 12 GA	40.0	125
	8	2 1/2" X 12 GA	25.0	99
		3" X 12 GA	30.0	108
8	6	2 1/2" X 12 GA	25.6	100
		3" X 12 GA	30.7	110
	8	2 1/2" X 12 GA	19.2	87
		3" X 12 GA	23.0	95
9	6	3" X 11 GA	27.5	104
10	6	3" X 11 GA	24.7	94

NOTES:

1. THE MATERIALS FOR FENCE FRAMEWORK (PICKETS, RAILS, POSTS, ETC.) SHALL BE MANUFACTURED FROM COIL STEEL. THE COLOR SHALL BE BLACK. SEE SPECIFICATION 02831.
2. FENCES SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY FITTINGS.
3. FENCE IS TO BE LOCATED SO THAT INTRUDER GUARD DOES NOT OVERHANG PROPERTY LINE.
4. POSTS SHALL BE ROLLED OR EXTRUDED SECTIONS OR TUBING OF STEEL OR ALUMINUM CAPABLE OF WITHSTANDING A LATERAL FORCE OF 100 POUNDS APPLIED AT THE TOP. ALL HOLLOW POSTS SHALL BE CAPPED.
5. FENCE GROUNDING SHALL BE WITH ACCORDANCE WITH DRAWING E69.
6. ALL CONCRETE SHALL BE 3000 POUNDS WITH 3" SLUMP AND 3/4" MAXIMUM SIZE AGGREGATE.
7. STANDARD POSTS SIZES INDICATED ARE NOMINAL OUTSIDE DIMENSIONS.
8. SECURITY MEASURES REQUIRE NO CLIMABLE OBJECTS SHALL BE WITHIN 20 FEET OF THE FENCE. TREES SHALL BE TRIMMED BACK OR REMOVED.

REV.	DATE	DESCRIPTION	DFTO.	CHECKED

STATE OF TEXAS — RONALD R. YOUNG — 36562

6/22/01

PARSONS

DALLAS, TX

C21

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ORNAMENTAL FENCE DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: R. YOUNG
REVIEWED: L. POND
ORIG. DFT.: E. DANE
FACILITY:

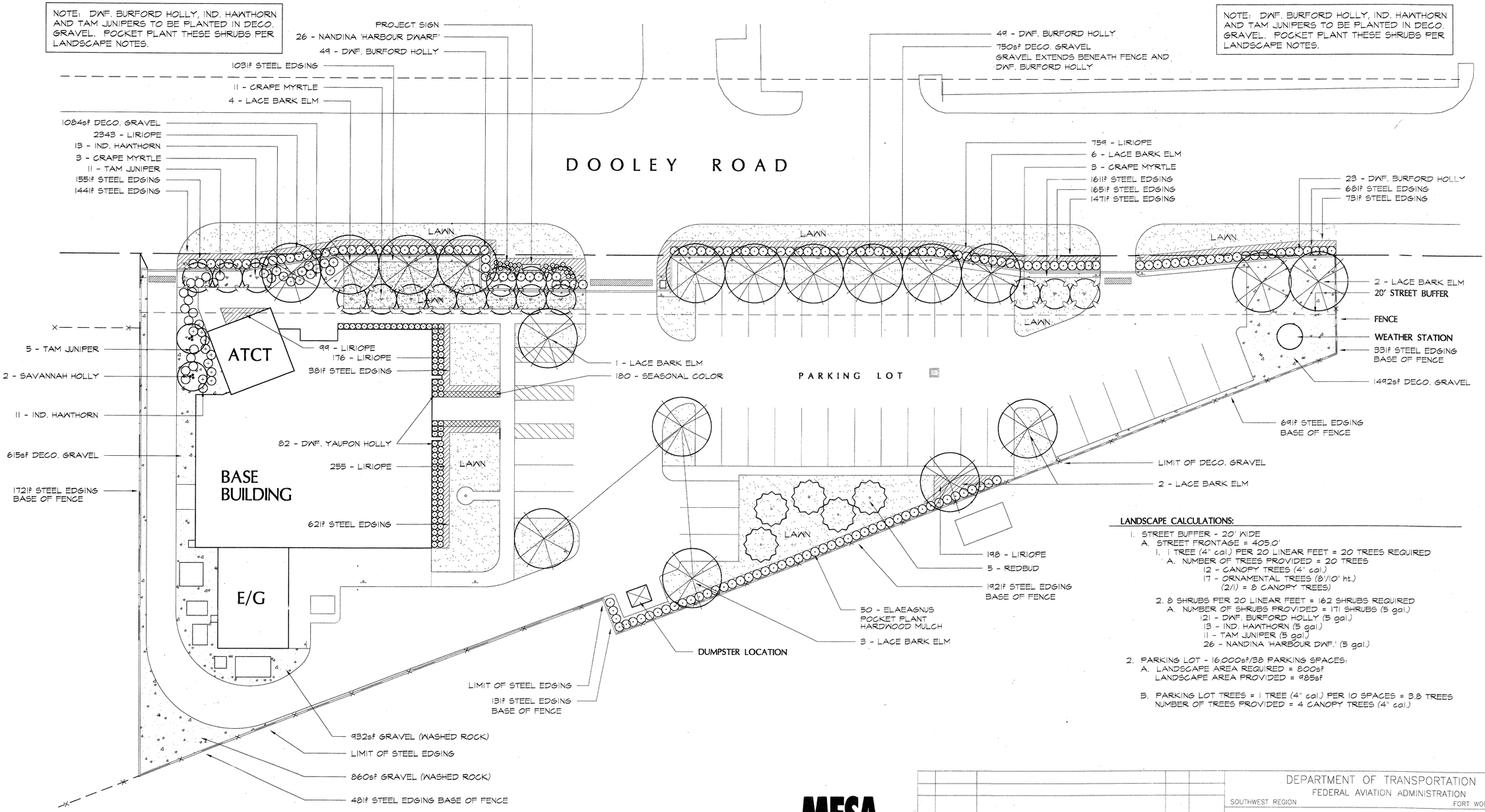
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

DRAWING NUMBER: ADS-ATCT- C21

REF. DWG.:

FILENAME: ADS1C021.DTT



LANDSCAPE CALCULATIONS:

1. STREET BUFFER - 20' WIDE
   A. STREET FRONTAGE = 405.0'
      1. 1 TREE (4" cal.) PER 20 LINEAR FEET = 20 TREES REQUIRED
         A. NUMBER OF TREES PROVIDED = 20 TREES
            12 - CANOPY TREES (4" cal.)
            17 - ORNAMENTAL TREES (8'/10' ht.)
            (2/1) = 8 CANOPY TREES)
      2. 8 SHRUBS PER 20 LINEAR FEET = 162 SHRUBS REQUIRED
         A. NUMBER OF SHRUBS PROVIDED = 171 SHRUBS (5 gal.)
            121 - DWF. BURFORD HOLLY (5 gal.)
            13 - IND. HAWTHORN (5 gal.)
            11 - TAM JUNIPER (5 gal.)
            26 - NANDINA 'HARBOUR DWF.' (5 gal.)
2. PARKING LOT - 16,000sf/38 PARKING SPACES:
   A. LANDSCAPE AREA REQUIRED = 800sf
      LANDSCAPE AREA PROVIDED = 985sf
   B. PARKING LOT TREES = 1 TREE (4" cal.) PER 10 SPACES = 3.8 TREES
      NUMBER OF TREES PROVIDED = 4 CANOPY TREES (4" cal.)

LANDSCAPE PLANTING PLAN

SCALE: 1" = 16'-0"

MESA DESIGN GROUP
Landscape Architecture
Urban Design
Land Planning
3100 McKinnon Street
Suite 905, LB 152
Dallas, Texas 75201
(214) 871-0568 Fax: 871-1507

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
JEFFERY D. TURNER
558
REGISTERED
LANDSCAPE ARCHITECT

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION
FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

LANDSCAPE PLANTING PLAN

ADDISON (ADDISON AIRPORT) TEXAS

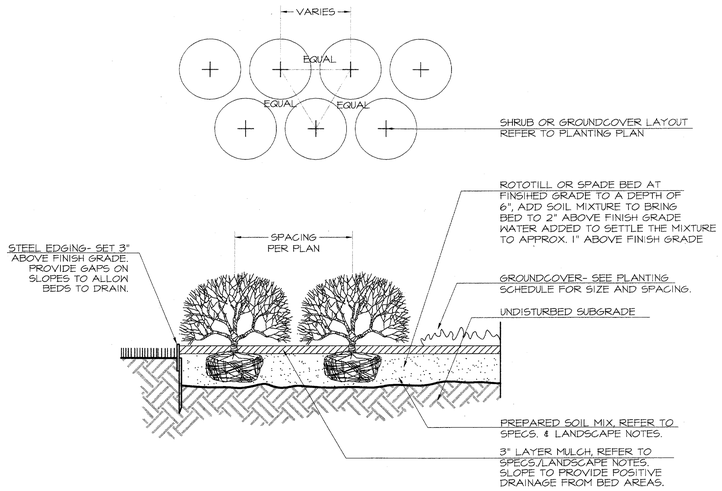
SUBMITTED: PROGRAM IMPLEMENTATION ENGINEER
APPROVED: SUPERVISOR OF SECTION, ASW-451

DESIGNED:
REVIEWED:
ORIG. DFT.:
FACILITY:

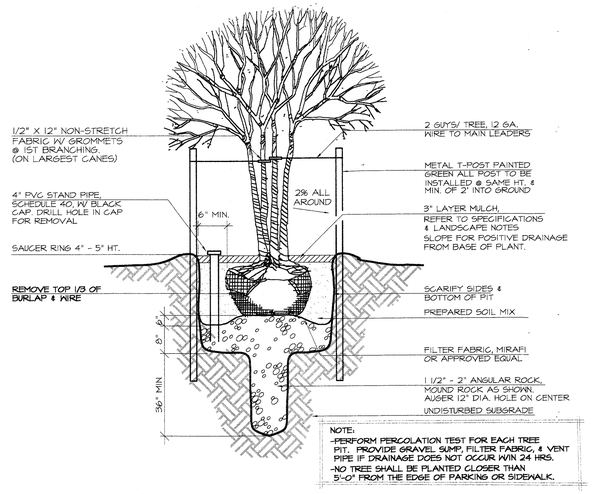
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 09.22.97
DRAWING NUMBER: ADS-ATCT-L01

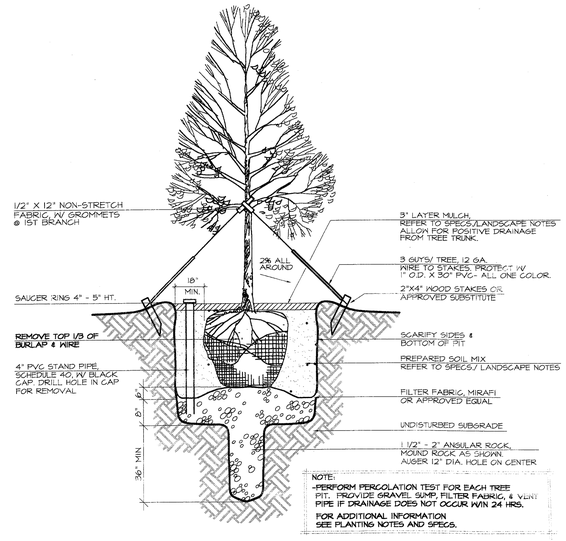
FILENAME:
DWG:



SHRUB & GROUNDCOVER PLANTING DETAIL



ORNAMENTAL TREE PLANTING DETAIL



CANOPY TREE PLANTING DETAIL

PLANT LIST – AIRPORT TRAFFIC CONTROL TOWER

PLANT	PLANT QUANTITY	COMMON NAME BOTANICAL NAME	SIZE	HEIGHT	SPREAD	COMMENTS
		LARGE TREES- INSTALL PER DETAIL L02-A & B				
	5	TEXAS REDBUD CERCIS CANADENSIS TEXENSIS	2" CAL. 50.8mm	8' (2.43m)	4' (1.2m)	FULL, WELL BRANCHED, SINGLE, CONTAINER GROWN
	2	SAVANNAH HOLLY ILEX OPACA 'SAVANNAH'		8'/10' (2.4M/3.05M)	4'/5' (1.2M/1.5M)	FULL, WELL BRANCHED, SINGLE, CENTRAL LEADER, CONTAINER GROWN
	17	GRAPE MYRTLE 'NEAR EAST' LAGERSTROEMIA INDICA 'NEAR EAST'		8'/10' (2.4M/3.05M)	4'/5' (1.2M/1.5M)	FULL, WELL BRANCHED, 3-4 CANES MULTI, CONTAINER GROWN
	18	LACE BARK ELM ULMUS PARVIFOLIA	4" CAL. (101.6MM)	14' (4.27m)	6' (1.83m)	FULL, WELL BRANCHED, CENTRAL LEADER, SINGLE CONTAINER GROWN
		SHRUBS- INSTALL PER L02-D				
	121	DWARF BURFORD HOLLY 'ILEX CORNUTA 'BURFORDII' NANA	5 GAL. 18.93 L	22" (558.8mm)	18" (457.2mm)	FULL, PLANT 2' (.6m) O.C.
	50	ELAEAGNUS ELAEAGNUS PUNGENS 'FRUITLANDI'	5 GAL. 18.93 L	22" (558.8mm)	18" (457.2mm)	FULL, PLANT 3' (.9m) O.C.
	26	NANDINA 'HARBOUR' DWARF NANDINA DOM. COMP. 'HARBOR'	5 GAL. 18.93 L	16" (457.2mm)	16" (457.2mm)	FULL, PLANT 2' (.6m) O.C.
	24	IND. HAWTHORN RAPHIOLEPIS INDICA 'SPRING RAPTURE'	5 GAL. 18.93 L	22" (558.8mm)	22" (558.8mm)	FULL, PLANT 3' (.9m) O.C.
	16	TAM JUNIPER JUNIPERUS SABINA 'TAMARISCIFOLIA'	5 GAL. 18.93 L	18" (457.2mm)	18" (457.2mm)	FULL, PLANT 3' (.9m) O.C.
	82	DWF. YAUPON HOLLY ILEX VOMITORIA 'NANA'	2 GAL. 7.57 L	16" (406.4mm)	16" (406.4mm)	FULL, PLANT 2' (.6m) O.C.
	4130	LIRIOPE LIRIOPE MUSCARI 'BIG BLUE'	4" POT .473 L	6" (152.4mm)	6" (152.4mm)	FULL, PLANT 8" (203.2mm) O.C.
	180	SEASONAL COLOR ANNUAL	4" POT .473 L	6" (152.4mm)	6" (152.4mm)	FULL, PLANT WHEN IN 50% BLOOM AT 8" (203.2mm) O.C.
		MISCELLANEOUS				
	8566sf (795.7Sm)	COMMON BERMUDAGRASS CYNODON DACTYLOIDES	SOLID SOD			
	3941sf (366.1sm)	DECO. GRAVEL ANTIQUE GREEN	1/2" DIA. (12.7MM)			3" DEPTH, SPREAD OVER FILTER FABRIC AVAILABLE CACTUS CANYON QUARRIES (210)698-4331
	1792sf (166.5sm)	GRAVEL WASHED RIVER ROCK	1" DIA. (25.4mm)			3" DEPTH, SPREAD OVER FILTER FABRIC
	1748lf (532.8m)	STEEL EDGING RYERSON	4" (10CM)			GREEN/BLACK; SET TOP 1" (25.4mm) ABOVE FINISHED GRADE
	2655sf (246.6sm)	HARDWOOD MULCH				3" DEPTH, APPLY TO BED AREAS AND POCKET PLANT SHRUBS W/O GRAVEL
	2305sf (214.1sm)	BED PREPARATION WITH MULCH				REFER TO SPECIFICATIONS AND LANDSCAPE NOTES THIS SHEET

LANDSCAPE PLANTING NOTES:

PREPARATION

LANDSCAPE CONTRACTOR AND REPRESENTATIVE OF OWNER SHALL BE RESPONSIBLE FOR VERIFYING THE CORRECT LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO THE INSTALLATION OF ANY PLANT MATERIALS.

PLANT LOCATIONS

REFER TO PLANTING PLAN FOR PLANTING LOCATIONS AND PLANT MATERIAL LEGEND FOR SPECIFICATIONS. PLANT MATERIAL LOCATION TO BE STAKED IN THE FIELD AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.

GRADING AND DRAINAGE

MESA DESIGN GROUP ASSUMES NO RESPONSIBILITY FOR FAILURE OF ANY HARDSCAPE AMENITY SUCH AS WALKS, ENTRANCES TO STRUCTURES, AND PLANTER BEDS FORMED OR ENCLOSED BY EDGING AND FLATWORK, WHICH DO NOT DRAIN DUE TO IMPROPER SET UP OF ELEVATIONS DURING CONSTRUCTION. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FINE GRADING, VERIFYING THAT WATER DRAINS AWAY FROM BUILDING.

COORDINATION

LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH OTHER CONTRACTORS ON SITE AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.

MAINTENANCE

LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PLANTING BEDS IN A WEED AND DEBRIS FREE CONDITION AND SHALL ACCOMPLISH WATERING BY HAND AS DEEMED NECESSARY UNTIL SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER. THE CONTRACTOR SHALL MAINTAIN ALL WORK FOR A PERIOD OF 30 DAYS AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE.

VERIFICATION

CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES PER DRAWINGS AND SPECIFICATIONS BY THE LANDSCAPE ARCHITECT. PLANT QUANTITIES HAVE BEEN PROVIDED AS A CONVENIENCE ONLY AND SHALL NOT BE CONSIDERED ABSOLUTE. LANDSCAPE ARCHITECT TO BE NOTIFIED IF DISCREPANCIES OCCUR. OTHERWISE, THE CONTRACTOR IS TO BID THEIR OWN VERIFIED QUANTITIES.

PLANTING BEDS

ALL BED AREAS ARE TO BE LEFT 3" ABOVE FINISHED GRADE OF ADJACENT PAVEMENT TO INCLUDE 3" OF MULCH AFTER COMPACTION AND SETTLEMENT. ALL BED AREAS SHALL BE ROTOTILLED TO A DEPTH OF 6", ADDING PREPARED SOIL MIXTURE AS REQUIRED.

MULCH

AFTER SETTLEMENT AND COMPACTION ALL PLANTING BEDS SHALL RECEIVE A MINIMUM 3" LAYER OF HARDWOOD MULCH
ALL AREAS DISTURBED BY PLANTING OPERATIONS SHALL BE FINE GRADED AND SEEDED.

STANDARDS

ALL PLANT MATERIAL SHALL CONFORM TO THE SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE "USA STANDARD FOR NURSERY STOCK", LATEST EDITION. ALL PLANTING SHALL BE IN ACCORDANCE WITH STANDARD AMERICAN ASSOCIATION OF NUSERYMEN PROCEDURES AND SPECIFICATIONS.
ANY PLANT SUBSTITUTION SHALL BE APPROVED BY LANDSCAPE ARCHITECT.

PRUNING

ALL TREES TO BE PRUNED AT INSTALLATION TO REMOVE DEAD AND UNSIGHTLY LIMBS. ALL TREES ARE TO MATCH IN HEIGHT, SPREAD, AND CLEAR TRUNK AND SHALL HAVE STRAIGHT TRUNKS.

PLANTING SOIL MIXTURE

PLANTING SOIL MIXTURE TO BE AS FOLLOWS: (AVAILABLE LIVING EARTH TECHNOLOGY)
TREES, SHRUBS, AND GROUNDCOVER.
45% COMPOST
45% COMPOSTED PINE BARK
10% SANDY LOAM
2 lbs. ORGANIC FERTILIZER/C.Y.
(GARDENVILLE 720 MIX AVAILABLE
MARSHALL DISTRIBUTING (817)654-0220

FERTILIZER

ADD FERTILIZER TABLETS TO ALL TREES AND SHRUBS, ONE TABLET PER 1/2" CALIPER FOR TREES AND ONE TABLET PER 12" OF HEIGHT OR SPREAD FOR EACH SHRUB AT INSTALLATION.

WARRANTY

ALL PLANT MATERIAL TO BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER.

IRRIGATION

CONTRACTOR TO INSTALL NEW IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE FOR AFFECTED TURF AND BED AREAS. INSTALL NEW CONTROLLER AS REQUIRED, SIZED TO ALLOW FOR FUTURE DEVELOPMENT. THE CONTRACTOR SHALL VISIT SITE TO DETERMINE REQUIREMENTS PRIOR TO BID.

SANDY LOAM

SANDY LOAM SHALL BE NATURAL, FERTILE, FRIABLE SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE PRODUCTIVE SOILS IN THE VICINITY. IT SHALL NOT BE EXCESSIVELY ACID OR ALKALINE OR CONTAIN TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. TOPSOIL SHALL BE WITHOUT ADMIXTURE OF SUBSOIL AND SHALL CONTAIN A MINIMUM OF LUMPS, STONE, STUMPS, ROOTS OF SIMILAR SUBSTANCES ONE INCH OR MORE IN DIAMETER. LOAM SHALL BE FREE FROM WEEDS AND OTHER NOXIOUS MATERIALS. LOAM SHALL NOT BE STRIPPED, COLLECTED OR DEPOSITED WHILE WET.

STAKING, GUYING

ALL TREES ARE TO BE STAKED AND GUYED THROUGH THE ONE YEAR WARRANTY AT WHICH TIME THE OWNER SHALL DETERMINE IF REMOVAL IS NECESSARY (REFER TO PLANTING DETAILS).

POCKET PLANTING

POCKET PLANT SHRUBS AS INDICATED ON DRAWING BY EXCAVATING PLANTING PIT TWO TIMES GREATER THAN CONTAINER. BACKFILL WITH PLANTING MIX AS SPECIFIED ABOVE.

MESA
DESIGN GROUP
Landscape Architecture
Urban Design
Land Planning
3100 McKinnon Street
Suite 905, LB 152
Dallas, Texas 75201
(214) 871-0588 Fax: 871-1507

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
JEFFERY D. TURNER
558
REGISTERED
LANDSCAPE ARCHITECT

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

LANDSCAPE PLANTING DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: PROGRAM IMPLEMENTATION ENGINEER
APPROVED: SUPERVISOR OF SECTION, ASW-451

DESIGNED:
REVIEWED:
ORIG. DFT.:
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 09.22.97
DRAWING NUMBER: ADS-ATCT-L02

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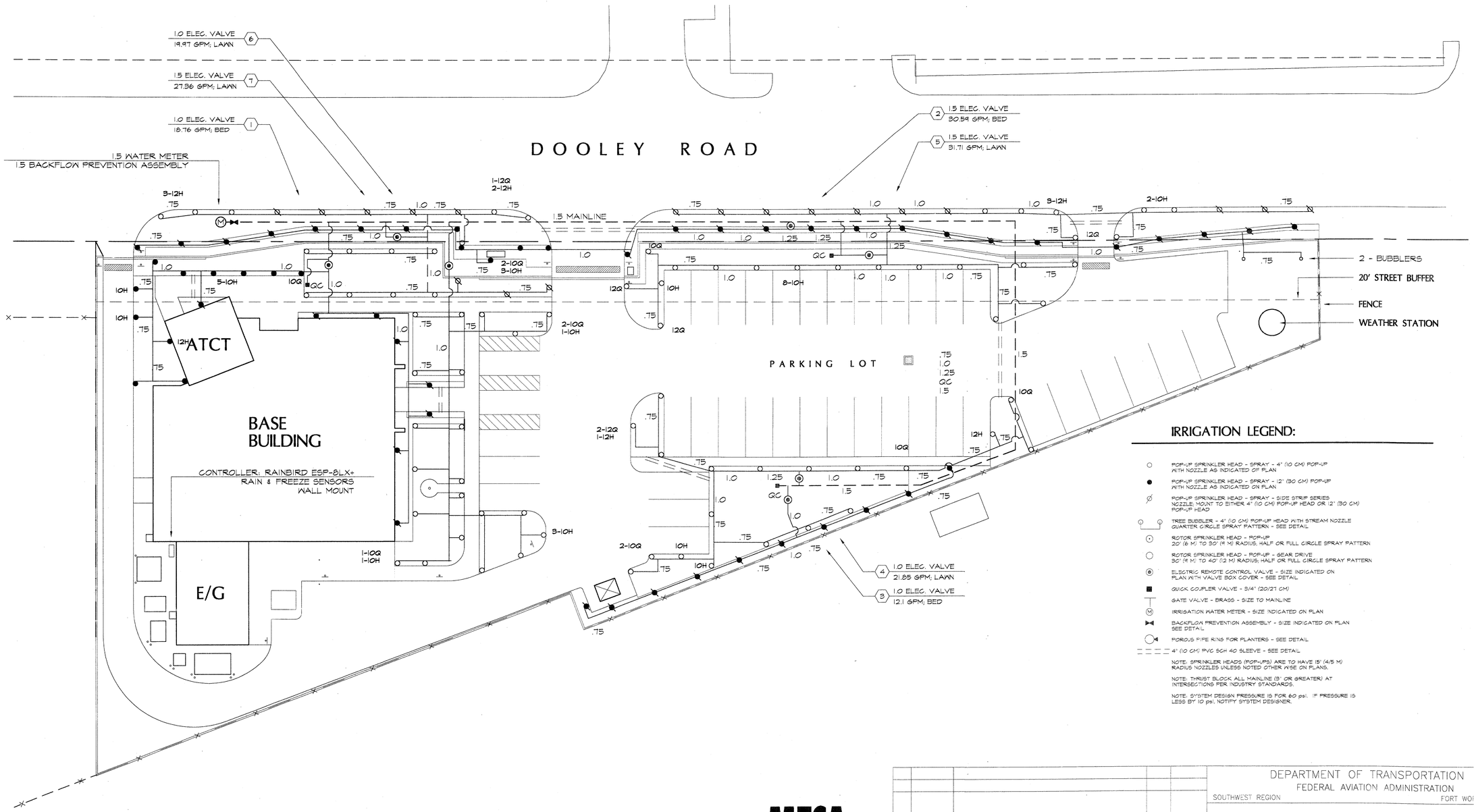

IRRIGATION LEGEND:

- POP-UP SPRINKLER HEAD - SPRAY - 4" (10 CM) POP-UP WITH NOZZLE AS INDICATED OF PLAN
- POP-UP SPRINKLER HEAD - SPRAY - 12" (30 CM) POP-UP WITH NOZZLE AS INDICATED ON PLAN
- POP-UP SPRINKLER HEAD - SPRAY - SIDE STRIP SERIES NOZZLE MOUNT TO EITHER 4" (10 CM) POP-UP HEAD OR 12" (30 CM) POP-UP HEAD
- TREE BUBBLER - 4" (10 CM) POP-UP HEAD WITH STREAM NOZZLE QUARTER CIRCLE SPRAY PATTERN - SEE DETAIL
- ROTOR SPRINKLER HEAD - POP-UP 20' (6 M) TO 30' (9 M) RADIUS, HALF OR FULL CIRCLE SPRAY PATTERN
- ROTOR SPRINKLER HEAD - POP-UP - GEAR DRIVE 30' (9 M) TO 40' (12 M) RADIUS, HALF OR FULL CIRCLE SPRAY PATTERN
- ELECTRIC REMOTE CONTROL VALVE - SIZE INDICATED ON PLAN WITH VALVE BOX COVER - SEE DETAIL
- QUICK COUPLER VALVE - 3/4" (20/27 CM)
- GATE VALVE - BRASS - SIZE TO MAINLINE
- IRRIGATION WATER METER - SIZE INDICATED ON PLAN
- BACKFLOA PREVENTION ASSEMBLY - SIZE INDICATED ON PLAN SEE DETAIL
- POROUS PIPE RING FOR PLANTERS - SEE DETAIL
- 4" (10 CM) PVC SCH 40 SLEEVE - SEE DETAIL

NOTE: SPRINKLER HEADS (POP-UPS) ARE TO HAVE 15' (4/5 M) RADIUS NOZZLES UNLESS NOTED OTHER WISE ON PLANS.

NOTE: THRUST BLOCK ALL MAINLINE (3" OR GREATER) AT INTERSECTIONS PER INDUSTRY STANDARDS.

NOTE: SYSTEM DESIGN PRESSURE IS FOR 60 psi. IF PRESSURE IS LESS BY 10 psi, NOTIFY SYSTEM DESIGNER.

IRRIGATION SYSTEM PLAN

SCALE: 1" = 16'-0"

MESA DESIGN GROUP
Landscape Architecture
Urban Design
Land Planning
3100 McKinnon Street
Suite 905, LB 152
Dallas, Texas 75201
(214) 871-0568 Fax: 871-1507

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STATE OF TEXAS
JEFFREY D. TURNER
37??
LICENSED LANDSCAPE ARCHITECT

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

IRRIGATION SYSTEM PLAN

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: PROGRAM IMPLEMENTATION ENGINEER
APPROVED: SUPERVISOR OF SECTION, ASW-451

DESIGNED:
REVIEWED:
ORIG. DFT.:
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 09.22.97
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DWG.:

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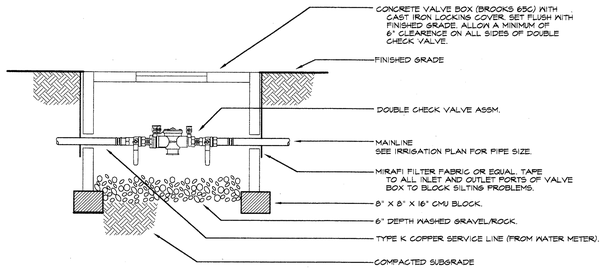
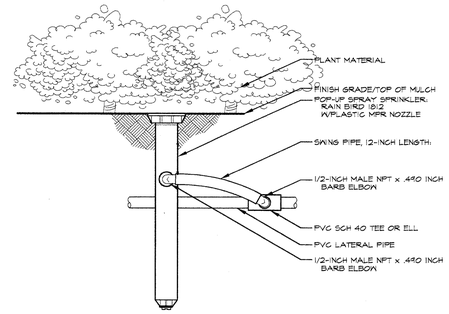
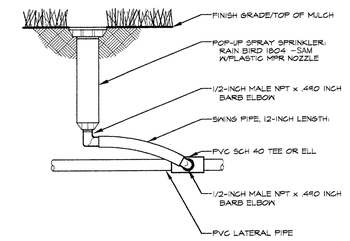


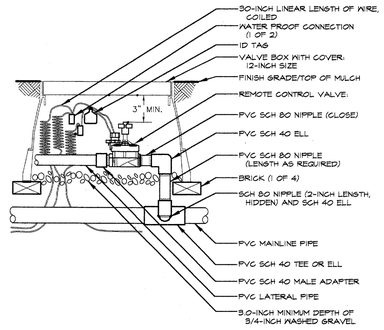
BACKFLOW PREVENTION ASSEMBLY DETAIL



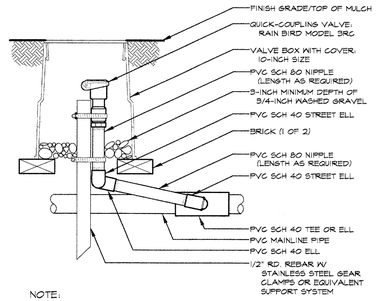
POP-UP SPRAY SPRINKLER



POP-UP SPRAY SPRINKLER

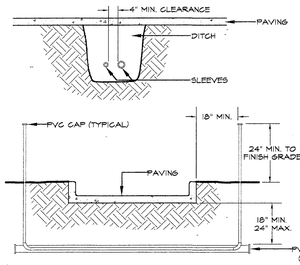


REMOTE CONTROL VALVE



NOTE.
1. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

QUICK-COUPLING VALVE

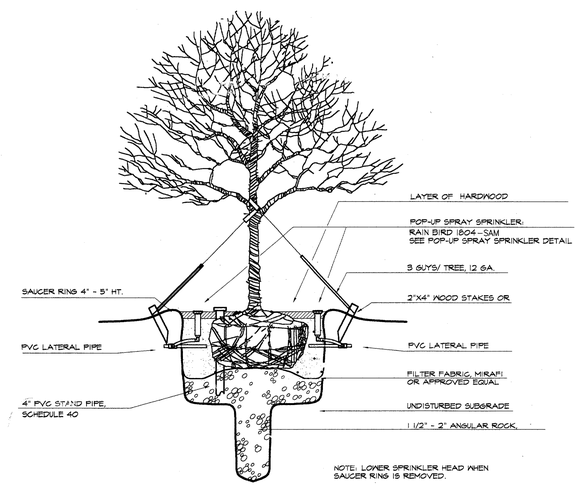


NOTES:
1. ALL PVC IRRIGATION SLEEVES TO BE SCH 40 PIPE.
2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.
3. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE.
4. MECHANICALLY TAMP TO 95% PROCTOR.

IRRIGATION SLEEVING

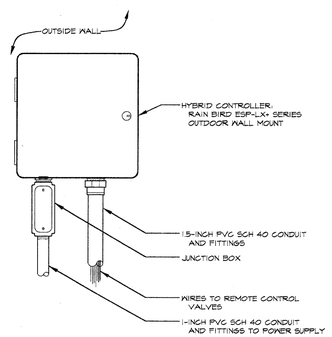
IRRIGATION SYSTEM NOTES:

1. Contractor to field verify dimensions before trenching. If any discrepancies exist, notify designer before proceeding. Any increase in costs due to alteration of the system without verification from designer, becomes the responsibility of the contractor.
2. Reference Landscape Plan and Site Plan for existing conditions. Contractor is responsible for verifying the location of all underground utilities with the proper agencies and with the General Contractor. Coordinate system installation with General Contractor.
3. Reference Landscape Planting Plan for location of existing trees, new trees, shrub and bed locations, etc....
4. Refer to manufacture specifications and plan details for proper installation procedures of specified equipment.
5. Contractor is responsible for obtaining and coordinating all permits and fees required by city and/or state codes for system installation.
6. The piping routes and remote electric valve locations are drawn diagrammatic in some areas for design clarity.
7. Coordinate sleeve installation with General Contractor. All sleeves are to be PVC Sch 40 slovent weld pipe. Size, location, and quantity are shown on the plan.
8. Refer to details for proper installation of sprinkler heads, quick coupler valves, remote electric valves, etc... Install all heads and valve boxes perpendicular to finished grade. Compact soil firmly around all heads and valve boxes. Settle all trenches by water injection and tamping. Irrigation Contractor to be responsible for the filling of all settled trenches for one year.
9. Connect spray heads to lateral piping by use of flexible solvent weldable PVC tubing using IPS-748 solvent with primer or approved equal.
10. Flush all piping before installing shrub head nozzles, spray rotors and quick coupling valves of all debris and soil. After nozzle installation, adjust arc and spray patterns for proper coverage and operation.
11. Electrical power for controller to be installed by General Contractor to junction box at controller location (120 volt, 20 amp service). All valve wires to be UL-UP 14G signal wire (with one color for common, and another color for valves). Extend one extra common and two extra valve wires to the last valve(s) of the system.
12. Contractor to prepare "as built" plans clearly showing the dimension and locations of remote electric valves, quick coupler valves, sleeves, and valve wiring. Plan also to show zones operated by each valve.
13. Install lateral lines servicing sprinkler heads along street curbs 3'-0" from pavement edge.
14. Install mainline a minimum of 3'-0" from all pavement.
15. All sprinkler heads and lateral lines to be installed 1'-6" from alley pavement edge.
16. Do not install any irrigation system component within 3'-0" of a water utility.
17. Any irrigation overspray from sprinkler heads within the right-of-way is prohibited.



NOTE: LOWER SPRINKLER HEAD WHEN SAUCER RING IS REMOVED.

TREE BUBBLER DETAIL



WALL MOUNT CONTROLLER

IRRIGATION DETAILS ARE THE COMPLIMENTS OF Rain Bird SPRINKLER MFG. CORP. CERTAIN DETAILS HAVE BEEN MODIFIED TO FIT LOCAL CONDITIONS.

MESA DESIGN GROUP
Landscape Architecture
Urban Design
Land Planning
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Suite 905, LB 132
Dallas, Texas 75201
(214) 871-0568 Fax: 871-1507

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — JEFFREY D. TURNER — 3718 — REGISTERED LANDSCAPE ARCHITECT

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

IRRIGATION SYSTEM DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: PROGRAM IMPLEMENTATION ENGINEER
APPROVED: SUPERVISOR OF SECTION, ASW-451

DESIGNED:	ISSUED BY: AIRWAY FACILITIES DIVISION
REVIEWED:	DATE: 09.22.97
ORIG. DFT.:	DRAWING NUMBER: ADS-ATCT-L04
FACILITY:	

FILENAME: DWG

BUILDING DATA

1. CONSTRUCTION CLASSIFICATION: TYPE II-N, 1994 UBC
2. MIXED USE OCCUPANCY CLASSIFICATION: GROUP B AND GROUP S-2.
3. BUILDING HEIGHT: 76 FT 5 INCHES TO TOP OF TOWER RACEWAY
4. BUILDING GROSS AREA:

BASE BLDG	=	5252 SF
EG	=	816 SF
ATCT	=	3810 SF
TOTAL	=	9878 SF

5. ATCT CAB GROSS AREA: 432 SF
6. DESIGN LOADS: SEE STRUCTURAL GENERAL NOTES.

ARCHITECTURAL GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF PRECAST CONC PANELS, CENTERLINE OF COLUMNS, OR TO FACE OF METAL STUDS, UNLESS OTHERWISE NOTED.
2. METAL STUDS PARTITION SHALL BE 3 5/8 INCH AT 16 INCHES ON CENTERS AND SHALL EXTEND 6" ABOVE CEILING HT UNLESS NOTED OTHERWISE. BRACE METAL STUD PARTITION TO STRUCTURAL STEEL OR METAL DECK
3. FIRE-RATED PARTITIONS SHALL EXTEND FROM FLOOR TO ROOF CONSTRUCTION ABOVE AND SHALL FIT TIGHT TO THE WALL OR STRUCTURE. ALL CRACKS AND OPENINGS AROUND PENETRATIONS SHALL BE FILLED WITH FIRE RATED MATERIAL.
4. FIRE RATED PARTITIONS SHALL CONFORM TO FIRE RESISTANCE PRACTICES OF THE GYPSUM ASSOCIATION FIRE RESISTANCE DESIGN MANUAL.
5. VERIFY OPENINGS REQUIRED FOR PIPES, DUCTS AND CONDUITS PRIOR TO FABRICATION OF BUILDING COMPONENTS. FRAME OR SLEEVE EACH OPENING AND SEAL COMPLETED OPENING TO RESTORE FIRE RESISTANCE RATING USING FIRE-RATED SEALING MATERIAL.
6. ALL WOOD USED FOR BLOCKING, NAILERS, OR FRAMING SHALL BE FIRE TREATED.
7. PROVIDE WOOD OR METAL BLOCKING FOR ANCHORAGE OF WALL HUNG EQUIPMENT.
8. HOLLOW METAL DOOR FRAMES SHALL BE ANCHORED TO THE FLOOR WITH ANCHOR BOLTS.
9. WHERE FLOOR FINISH MATERIALS CHANGE AT A DOORWAY, DIVIDER STRIP SHALL BE UNDER CENTER OF DOOR.
10. WHERE LABELED DOORS ARE SCHEDULED, PROVIDE LABELS ON DOORS AND FRAME. DO NOT PAINT OVER LABELS.
11. SOUND RATED INTERIOR PARTITIONS EXTENDING TO THE UNDERSIDE OF ROOF DECKING SHALL BE SHAPED TO FIT THE CONFIGURATION OF THE STRUCTURE AND ROOF DECK ABOVE. CAULK TOP AND BOTTOM TO PREVENT SOUND TRANSMISSION AROUND THE WALL.
13. FOR PARTITION TYPES SEE SHEET A24.
14. FIREPROOFING REQUIREMENTS: FIREPROOF ALL STRUCTURAL STEEL TO A ONE (1) HOUR RATING.
15. HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS AND ONE HANDRAIL SHALL EXTEND IN THE DIRECTION OF THE STAIR RUN NOT LESS THAN 12 INCHES BEYOND THE TOP RISER NOR LESS THAN 12 INCHES BEYOND THE BOTTOM RISER. ENDS SHALL BE RETURNED TO WALL.
16. FOR ABBREVIATIONS REF SHEET G03.
17. FOR ARCHITECTURAL LEGEND REF SHEET G04
18. REFERENCE PLUMBING DRAWINGS FOR LOCATION OF EXTERIOR PIPING PENETRATIONS.
19. REFERENCE ELECTRICAL DRAWINGS FOR LOCATION OF EXTERIOR OUTLET PENETRATIONS. CONTRACTOR SHALL COORDINATE ALL PENETRATIONS WITH PRECAST CONCRETE PANEL MANUFACTURER.
20. PRECAST CONCRETE PANEL MANUFACTURER SHALL VERIFY ALL PANEL PENETRATIONS. MANUFACTURER TO DETERMINE LOCATION OF VERTICAL JOINTS AT BASE BUILDING.

A01

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

GENERAL NOTES AND
BUILDING STATISTICS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

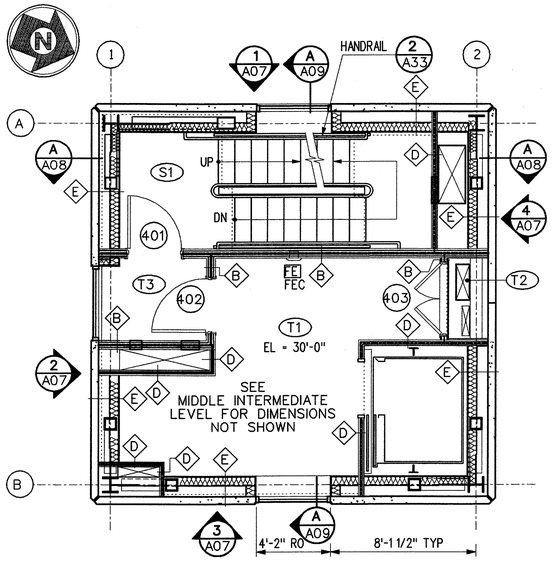
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY
AIRWAY FACILITIES
DIVISION

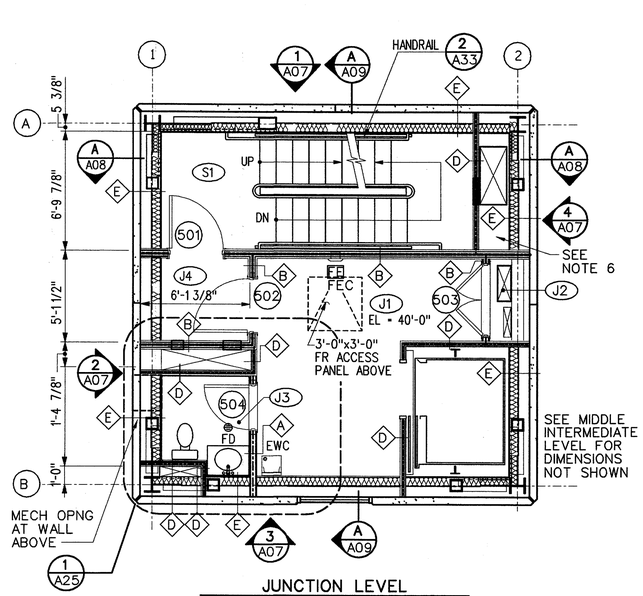
DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- A01

REF. DWG.:

FILENAME:



TOP INTERMEDIATE LEVEL
SCALE: 1/4" = 1'-0" EL = 30'-0"



JUNCTION LEVEL
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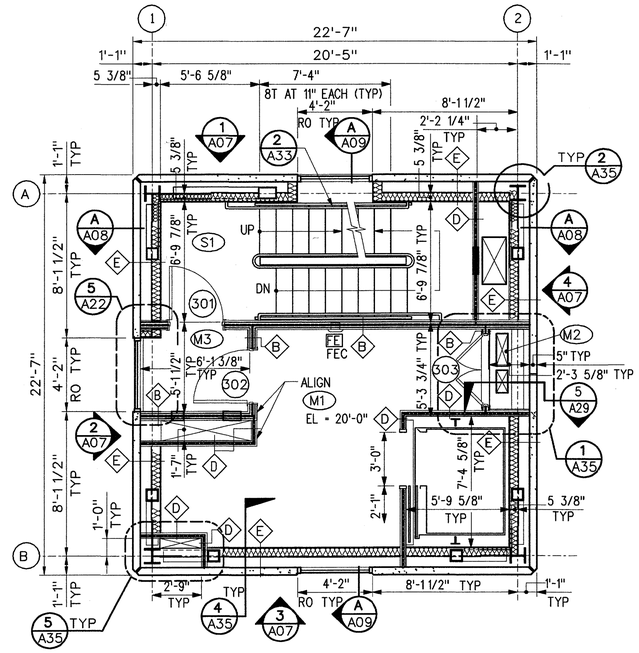
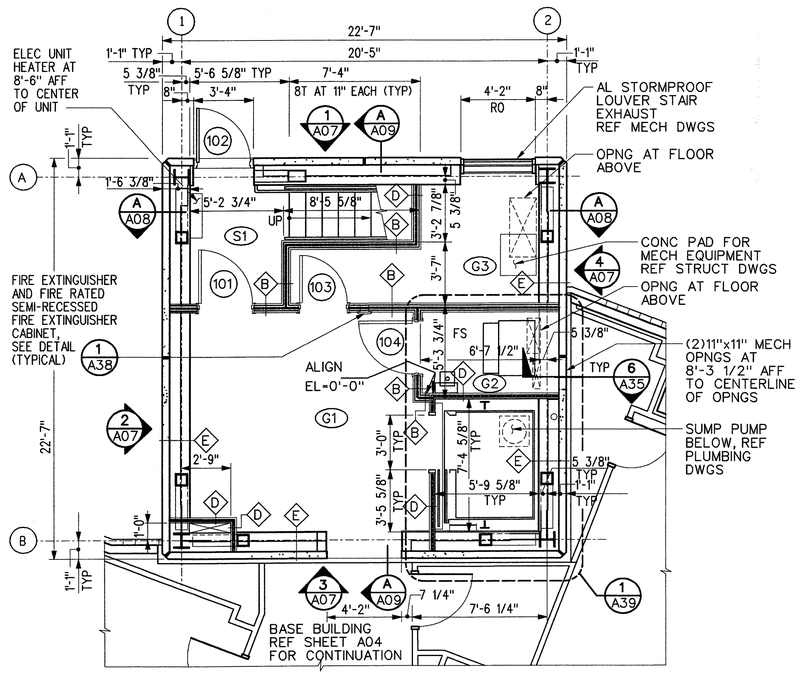


MIDDLE INTERMEDIATE LEVEL
SCALE: 1/4" = 1' - 0" EL = 20'-0"

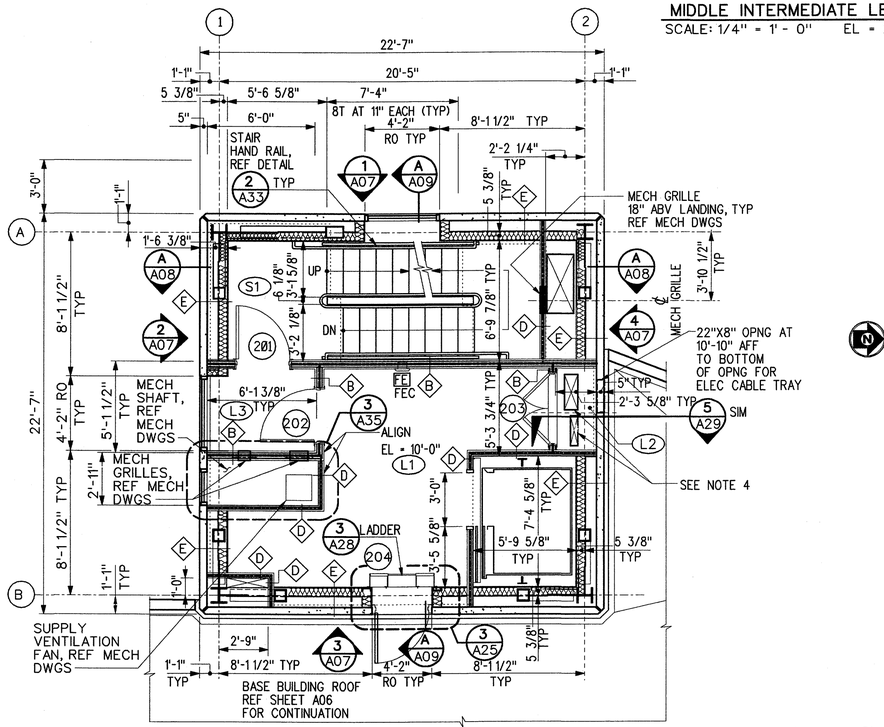
ROOM SCHEDULE	
RM NO	ROOM NAME
G1	LOBBY
G2	ELEVATOR MACHINE ROOM
G3	STAIR PRESSURIZATION
L1	UNASSIGNED
L2	CABLE CHASE
L3	VESTIBULE
M1	ELECTRICAL EQUIPMENT
M2	CABLE CHASE
M3	VESTIBULE
T1	ELECTRONIC EQUIPMENT
T2	CABLE CHASE
T3	VESTIBULE
J1	CORRIDOR
J2	CABLE CHASE
J3	RESTROOM
J4	VESTIBULE
S1	STAIR

NOTES:

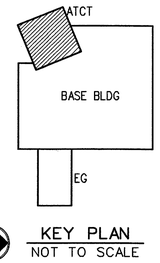
1. REFERENCE SHEET A024 FOR PARTITION TYPES.
2. REFERENCE SHEETS A017 AND A019 FOR ROOM FINISH SCHEDULES AND DOOR SCHEDULE.
3. REFERENCE SHEET G003 FOR ABBREVIATIONS.
4. REFERENCE STRUCTURAL DRAWINGS FOR SIZE AND LOCATION OF FLOOR OPENINGS.
5. PROVIDE 1 HOUR INTUMESCENT FIREPROOFING AT ALL STRUCTURAL STEEL AT TOWER. APPLY DECORATIVE TOPCOAT WHERE STEEL IS EXPOSED TO VIEW. PROVIDE 1 HOUR CEMENTITIOUS FIREPROOFING AT ALL METAL DECKING AT TOWER. RESTORE ANY FIREPROOFING DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE GOVERNMENT.
6. SEAL ALL JOINTS AND PENETRATIONS THRU CHASE WALLS TO PREVENT AIR LEAKAGE, TYPICAL AT ALL LEVELS. SEE MECH SPECS FOR PRESSURE REQUIREMENTS.



GROUND LEVEL
SCALE: 1/4" = 1' - 0" EL = 0'-0"



LOWER INTERMEDIATE LEVEL
SCALE: 1/4" = 1' - 0" EL = 10'-0"



KEY PLAN
NOT TO SCALE

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
FLOOR PLANS
ATCT

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	Edward Hackett	
	PROJECT ENGINEER, ANI-640	PLATFORM MANAGER, ANI-640

DESIGNED	ED HACKETT	ISSUED BY	DATE	JCN
DRAWN	KS	NAS IMPLEMENTATION ANI-600	06-23-03	9700164
CHECKED			DRAWING NO	REV
			ADS-D-ATCT-A002	A

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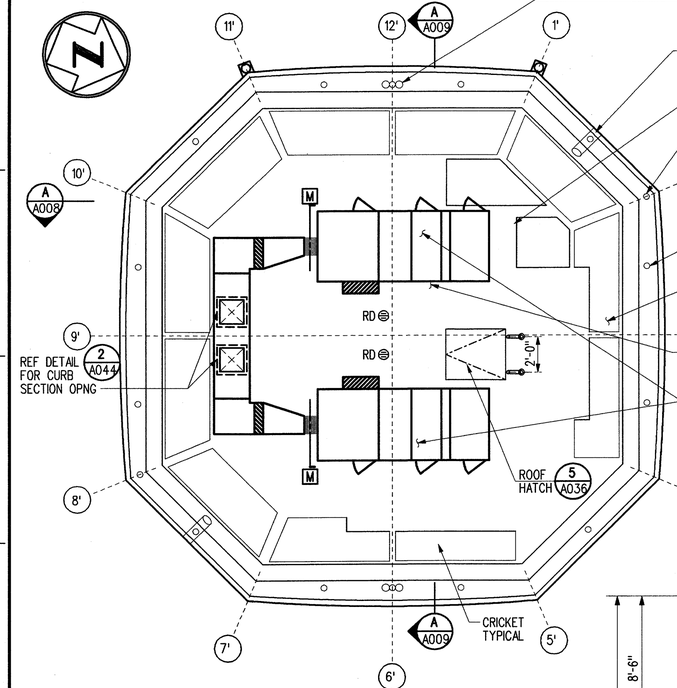
07/17/2003 04:52:49 PM ksom

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

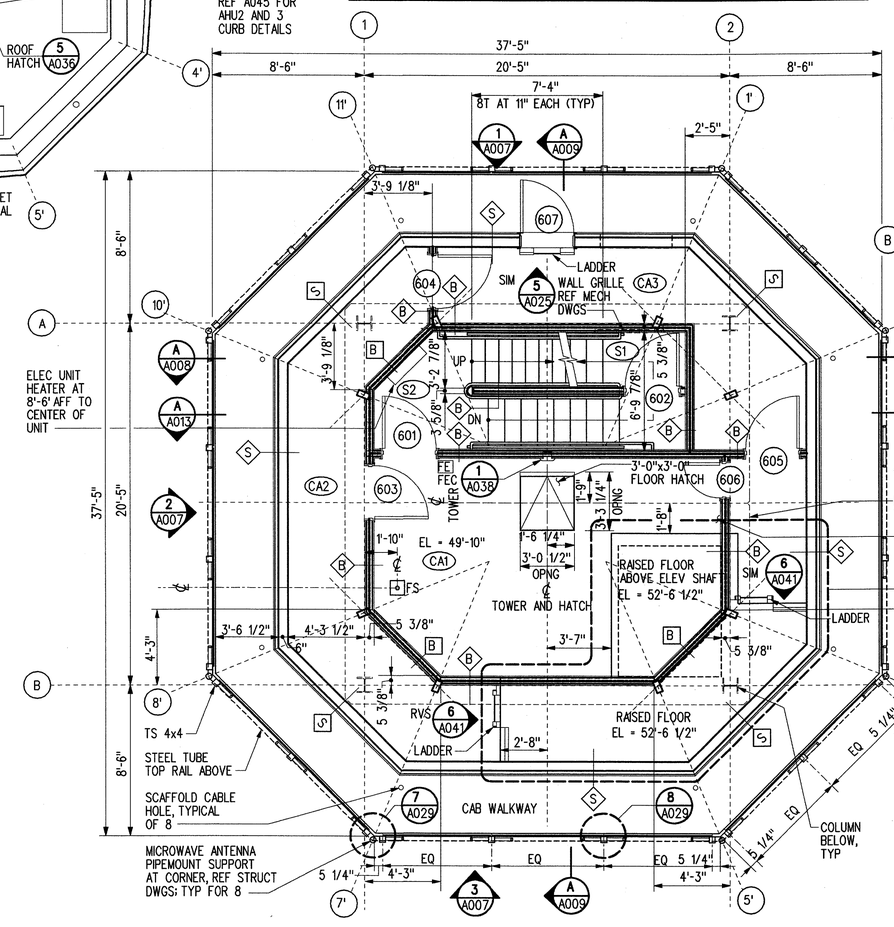


CAB ROOF LEVEL

1/4" = 1'-0" TOS=71'-8"

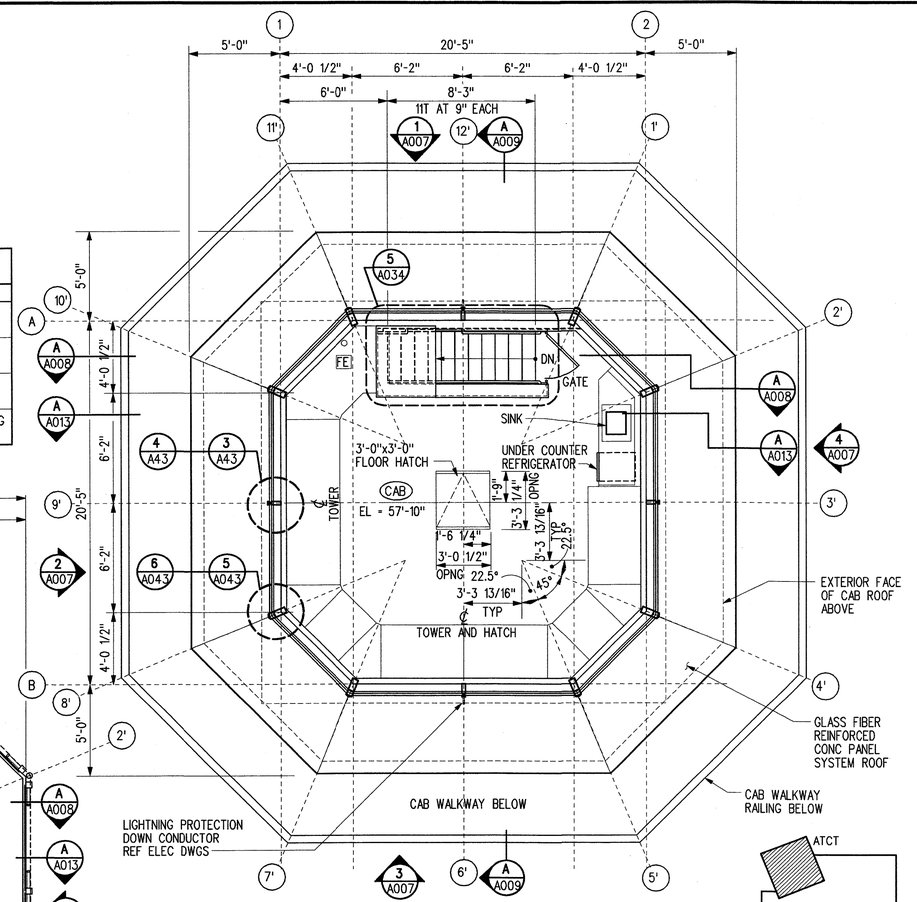
ROOM SCHEDULE	
RM NO.	ROOM NAME
CA1	CABLE ACCESS
CA2	CONSOLE ACCESS CORRIDOR
CA3	MECH ROOM
CAB	CAB
S1	STAIR
S2	CAB STAIR

COLUMN USE COORDINATION			
COLUMN NO.	USE	COLUMN NO.	USE
5' AND 7'	FAA CABLES	8' AND 10'	STORM DRAINS
2' AND 11'	LIGHTING AND POWER	MULLION AT 6'	CONTROL WIRING
1'	WINDOW WASHER PIPING AND CONTROL WIRING	MULLIONS AT 6' AND 9'	FAA CABLES
		MULLION AT 3'	FIRE PROTECTION PIPING



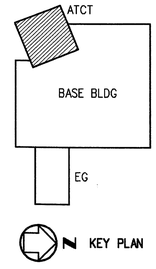
CABLE ACCESS AND WALKWAY LEVEL

1/4" = 1'-0" EL = 49'-10"



CAB LEVEL

1/4" = 1'-0" EL = 57'-10"



NOTES:

1. REFERENCE SHEET A024 FOR PARTITION TYPES.
2. REFERENCE SHEETS A017 AND A019 FOR ROOM FINISH SCHEDULES AND DOOR SCHEDULE.
3. REFERENCE SHEET G003 FOR ABBREVIATIONS.
4. REFERENCE STRUCTURAL DRAWINGS FOR SIZE AND LOCATION OF MECHANICAL AND ELECTRICAL FLOOR OPENINGS.
5. PROVIDE 1 HOUR INTUMESCENT FIREPROOFING AT ALL STRUCTURAL STEEL AT TOWER. APPLY DECORATIVE TOPCOAT WHERE STEEL IS EXPOSED TO VIEW. PROVIDE 1 HOUR CEMENTITIOUS FIREPROOFING AT ALL METAL DECKING AT TOWER. RESTORE ANY FIREPROOFING DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE GOVERNMENT.
6. GENERAL CONTRACTOR SHALL LOCATE AND SIZE SUPPORT CURBS ON CAB ROOF.
7. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AROUND MECHANICAL EQUIPMENT TO ROOF DRAINS AT CAB ROOF.
8. PROVIDE SHEET METAL COVER FOR CHILLED WATER LINES AT COLUMNS 1' AND 11'. SECURE TO MULLIONS. COLOR SHALL MATCH WINDOW FRAMING.

4' 0 4' 8'

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC
EQUIPMENT SCHEDULES

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	Edward Hackett	
	PROJECT ENGINEER, ANI-640	PLATFORM MANAGER, ANI-640
	DESIGNED ED HACKETT	ISSUED BY: NAS IMPLEMENTATION ANI-600
	DRAWN SR/LB	DATE 06-23-03 JCN 9700164
	CHECKED	DRAWING NO ADS-D-ATCT-A003 REV A

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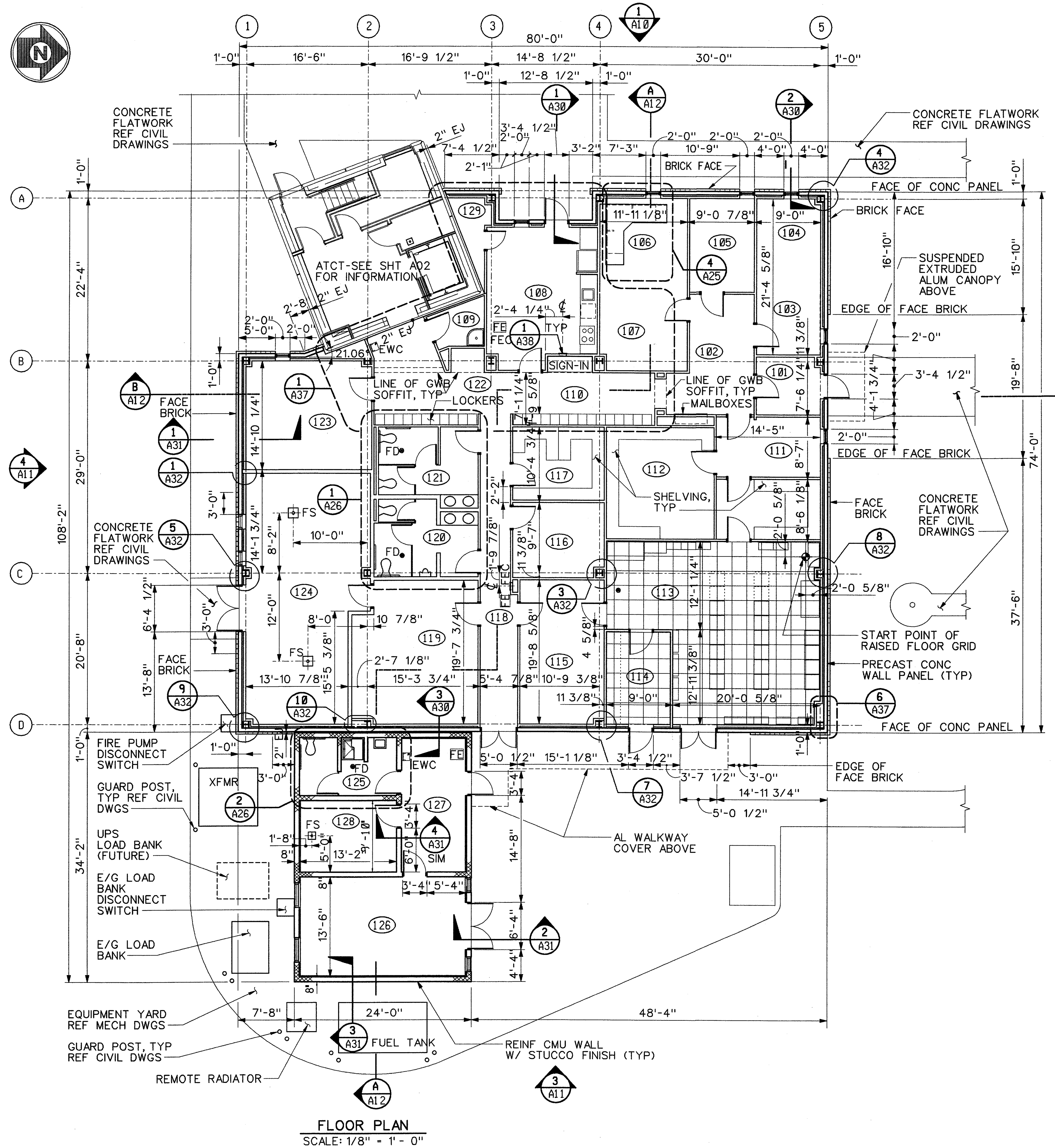
07/17/2003 04:52:51 PM ksom



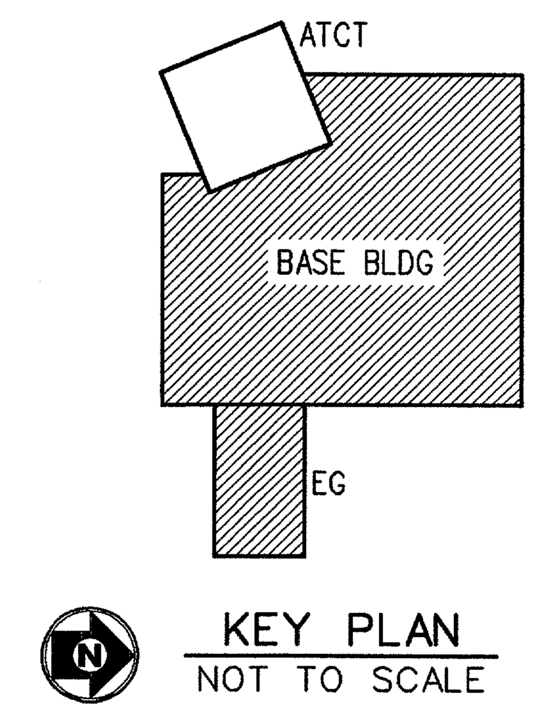
FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTES:

1. REFERENCE SHEET A001-A FOR ARCHITECTURAL GENERAL NOTES AND BUILDING STATISTICS.
2. REFERENCE SHEET G003-A FOR ABBREVIATIONS AND SHEET G004A FOR LEGENDS.
3. REFERENCE SHEET A005-A FOR DOOR, WINDOW AND WALL TYPES REFERENCE SYMBOLS.
4. REFERENCE SHEET A005-A FOR LOCATION OF INTERIOR PARTITION WALLS CONTAINING SOUND ATTENUATION BATTS, AND FIRE RATED WALLS.
5. REFERENCE MECHANICAL DRAWINGS FOR WALL PENETRATIONS OF DUCTWORK AT COLUMN LINE-D.

ROOM SCHEDULE

RM NO	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	JAN CLOSET
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	E/G ROOM
127	WORKROOM
128	UPS
129	CABLE ACCESS ROOM



KEY PLAN
NOT TO SCALE

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

FLOOR PLAN
BASE-EG BUILDING

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY
SUBMITTED BY: Edward Hackett — PROJECT ENGINEER, ANI-640
APPROVED BY: [signature] — PLATFORM MANAGER, ANI-640
DESIGNED: GARY WILLIAMS
DRAWN: KS
CHECKED
ISSUED BY: NAS IMPLEMENTATION ANI-600
DATE: 06-23-03 JCN: 9700164
DRAWING NO: ADS-D-ATCT-A004 REV: A

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

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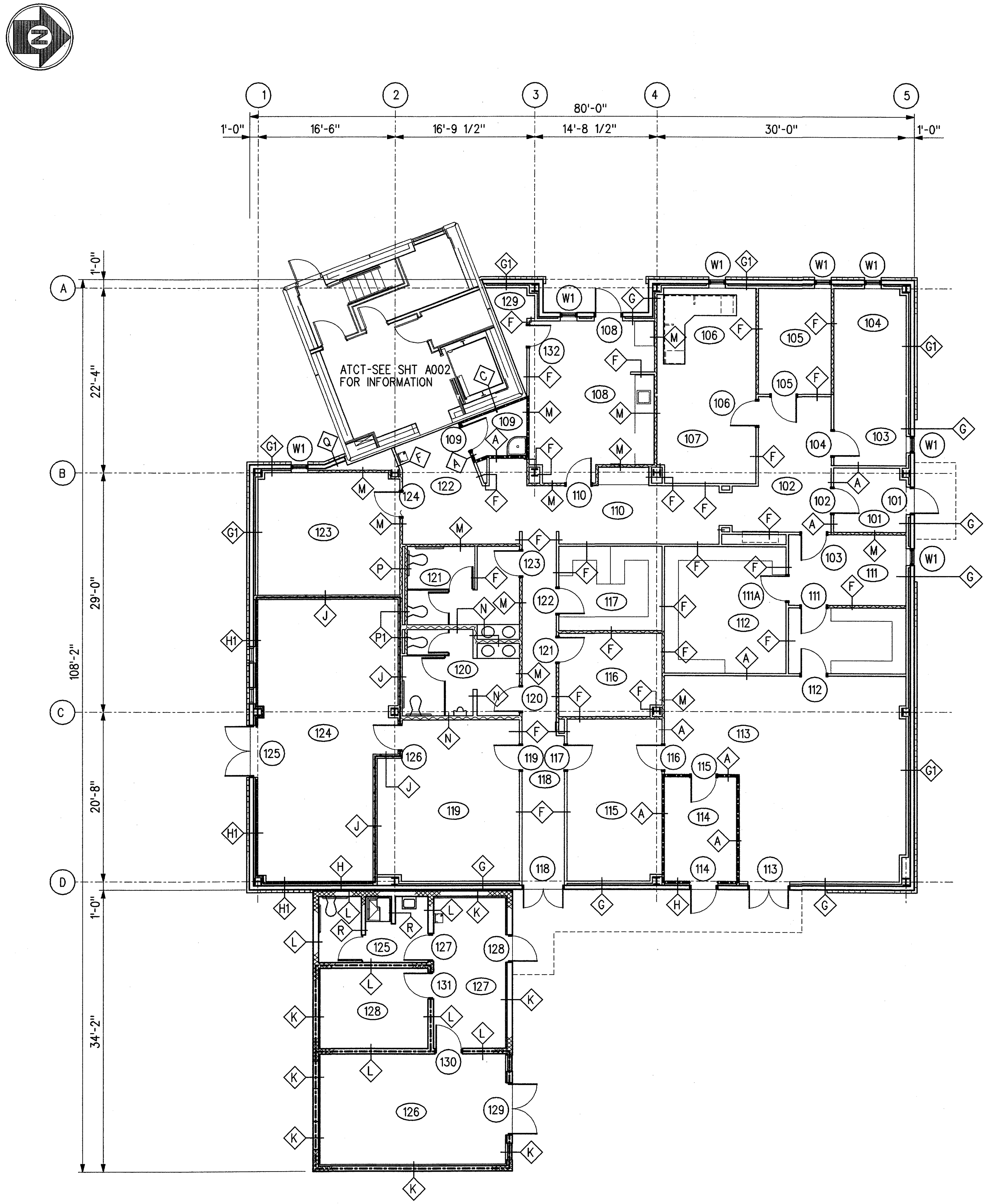
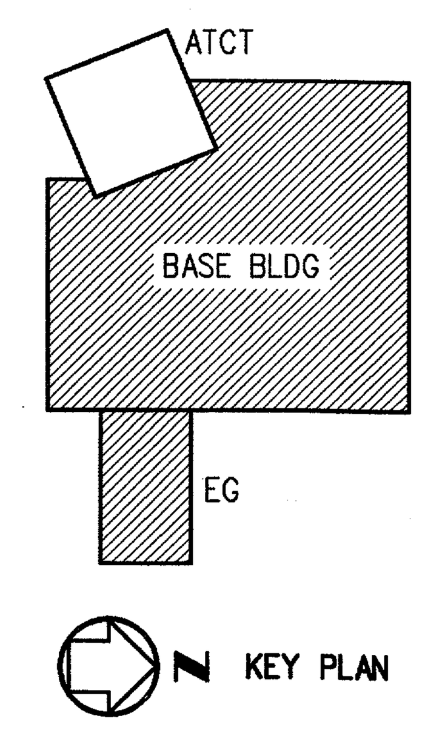


ROOM SCHEDULE	
RM NO.	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	JAN CLOSET
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	E/G ROOM
127	WORKROOM
128	UPS
129	CABLE ACCESS ROOM

NOTES:

1. REFERENCE SHEET A001 FOR ARCHITECTURAL GENERAL NOTES AND BUILDING STATISTICS.
2. REFERENCE SHEET G003 FOR ABBREVIATIONS AND SHEET G004 FOR LEGENDS.
3. REFERENCE SHEET A004 FOR DIMENSIONS AND ADDITIONAL INFORMATION.
4. REFERENCE SHEET A019 FOR DOOR SCHEDULES, SHEET A023 FOR WINDOW TYPES AND DETAILS AND SHEET A024 FOR PARTITION TYPES.



KEY PLAN

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

FLOOR PLAN - DOOR, WINDOW AND WALL TYPES REFERENCE SYMBOLS BASE-EG BUILDING

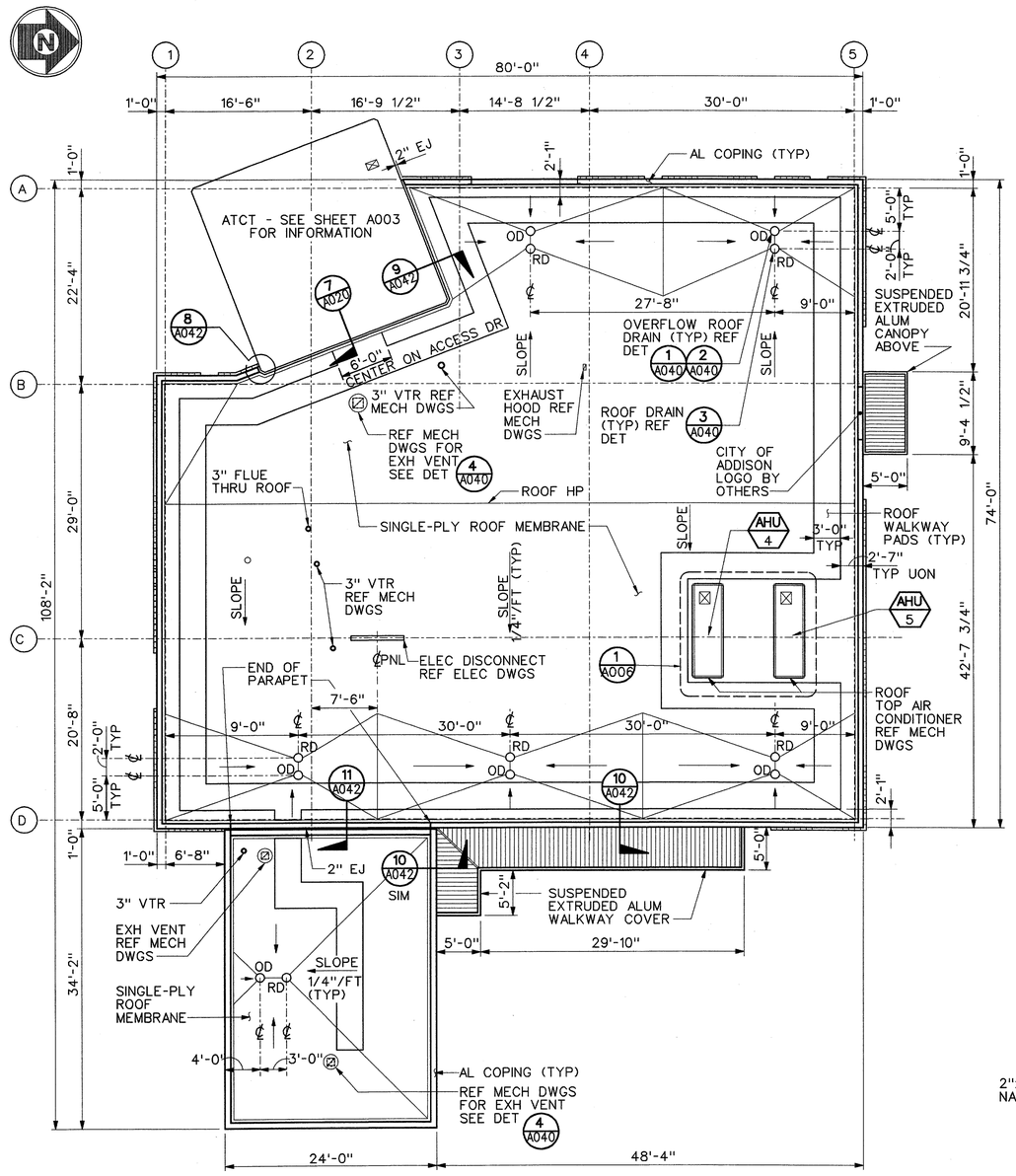
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY

SUBMITTED BY: Edward Hackett — PROJECT ENGINEER, ANI-640

APPROVED BY: [signature] — PLATFORM MANAGER, ANI-640

DESIGNED: ED HACKETT
DRAWN: LTM/KS
CHECKED:
ISSUED BY: NAS IMPLEMENTATION ANI-600
DATE: 06-23-03
JCN: 9700164
DRAWING NO: ADS-D-ATCT-A005
REV: A



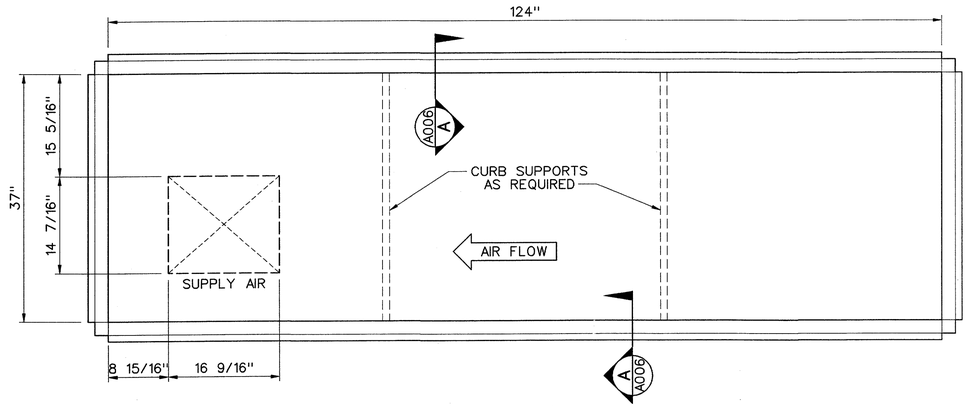
ROOF PLAN
SCALE: 1/8" = 1'-0"

NOTES:

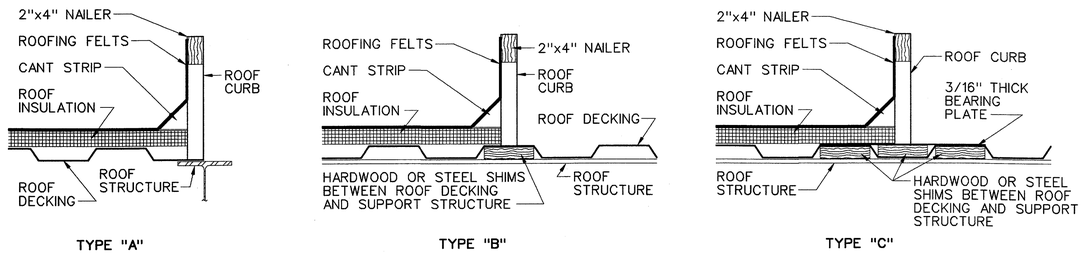
1. ROOF CURB SHIPPED IN PIECES FOR FIELD ASSEMBLY.
2. ROOF CURB MUST BE INSTALLED SQUARE AND LEVEL.
3. CURB MATERIAL IS 14 GAUGE GALVANIZED, NOT PAINTED.

GENERAL NOTES:

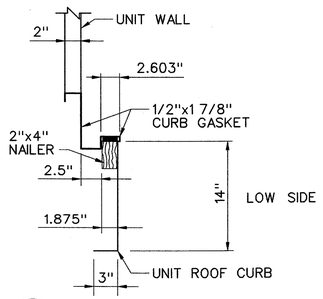
1. REFERENCE SHEET A001 FOR ARCHITECTURAL GENERAL NOTES AND BUILDING STATISTICS.
2. REFERENCE SHEET G003 FOR ABBREVIATIONS AND SHEET G004 FOR LEGENDS.



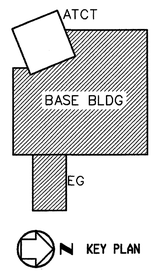
1 A006 ROOF CURB PLAN VIEW
NOT TO SCALE



2 A006 SUGGESTED INSTALLATION METHODS - SECTIONAL VIEWS
NOT TO SCALE



A A006 SECTION
NOT TO SCALE



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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

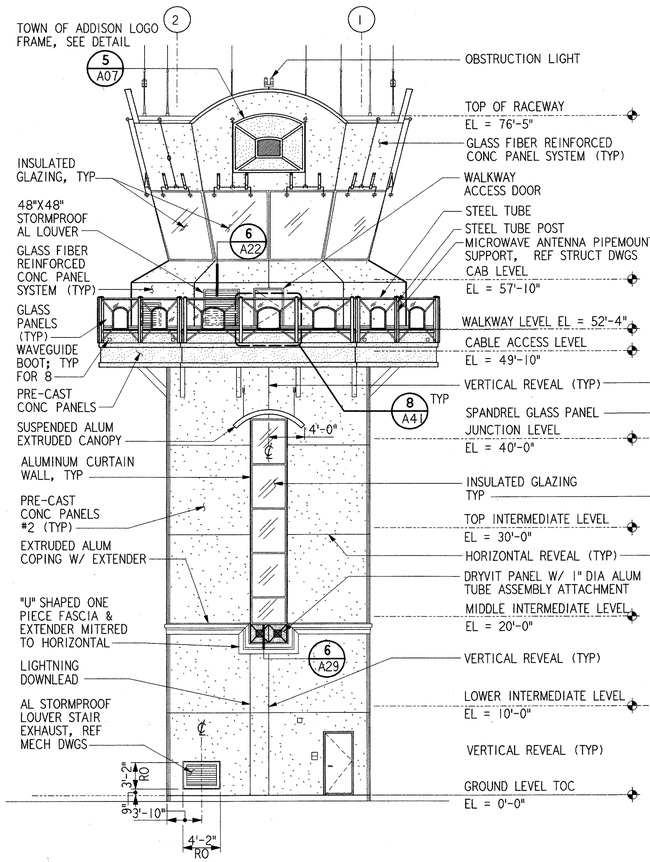
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
ROOF PLAN
BASE-EG BUILDING

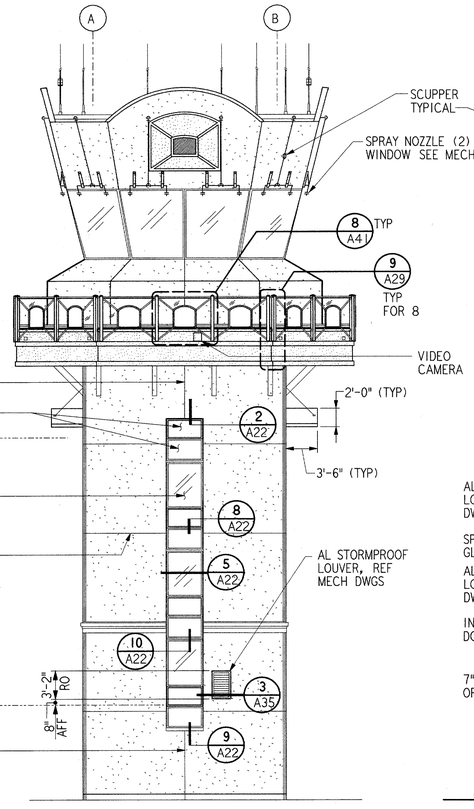
ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	Edward Hackett	
	PROJECT ENGINEER, ANI-640	PLATFORM MANAGER, ANI-640

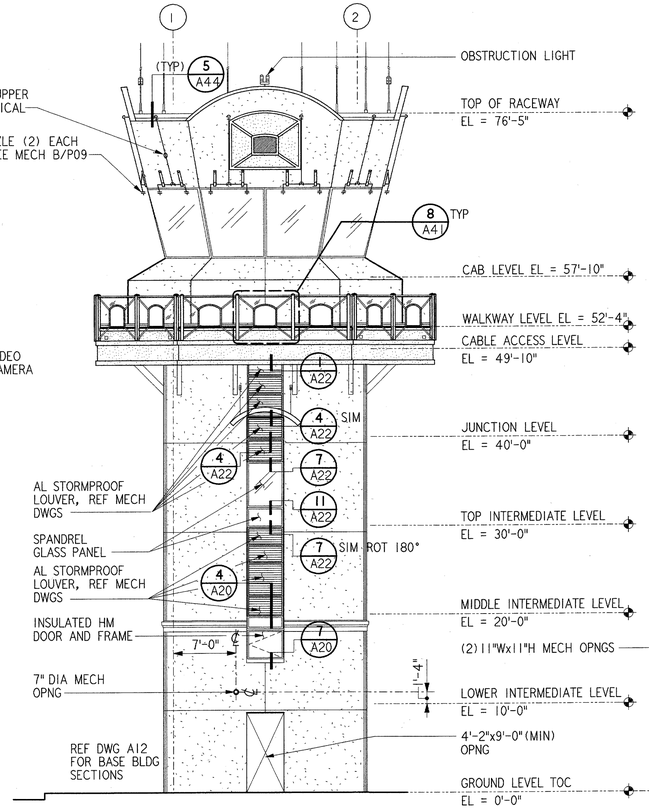
DESIGNED ED HACKETT	ISSUED BY NAS IMPLEMENTATION ANI-600	DATE 06-23-03	JCN 9700164
DRAWN ED/KS		DRAWING NO ADS-D-ATCT-A006	REV A
CHECKED			



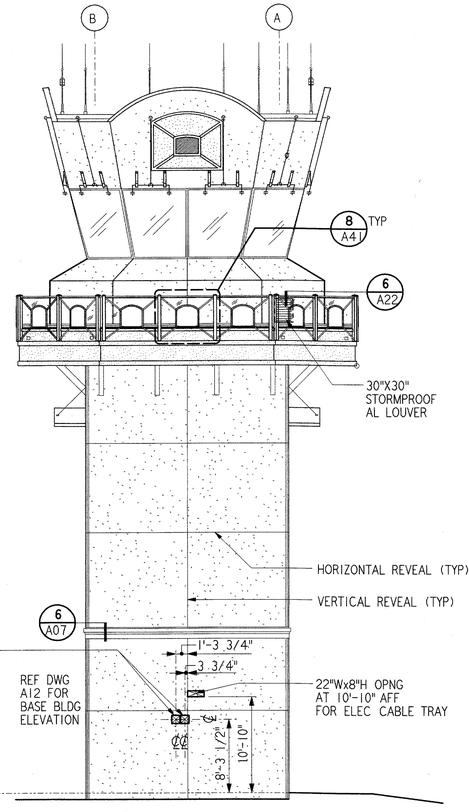
ELEVATION 1 A07 — 1/8" = 1'-0" — REF A02 A03



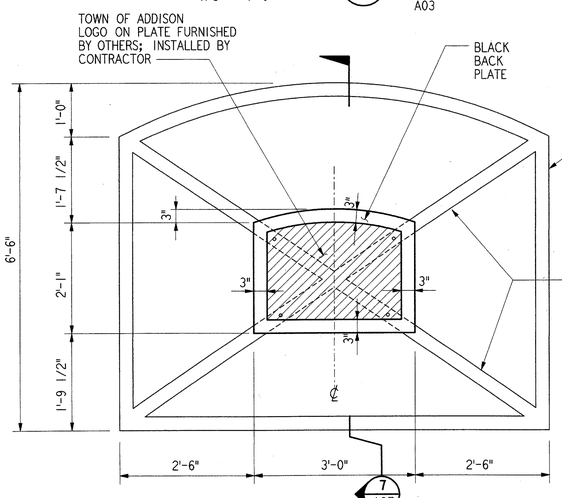
ELEVATION 2 A07 — 1/8" = 1'-0" — REF A02 A03



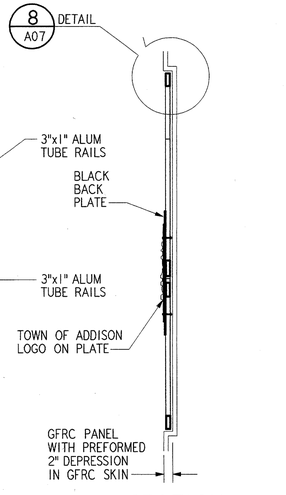
ELEVATION 3 A07 — 1/8" = 1'-0" — REF A02 A03



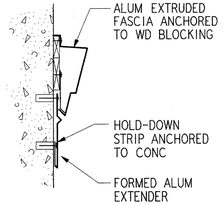
ELEVATION 4 A07 — 1/8" = 1'-0" — REF A02 A03



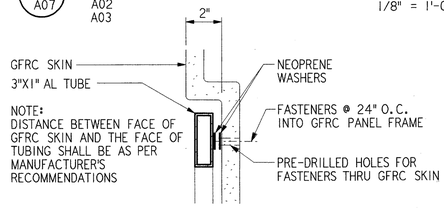
ELEVATION 5 A07 — 3/4" = 1'-0" — REF A10



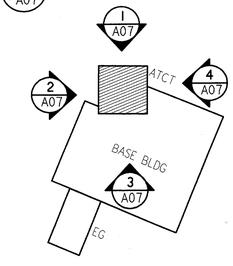
SECTION 7 A07 — 3/4" = 1'-0"



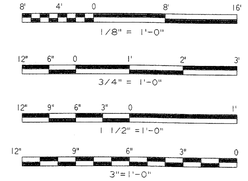
DETAIL 6 A07 — 3/4" = 1'-0"



DETAIL 8 A07 — 3" = 1'-0"



KEY PLAN



A07

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

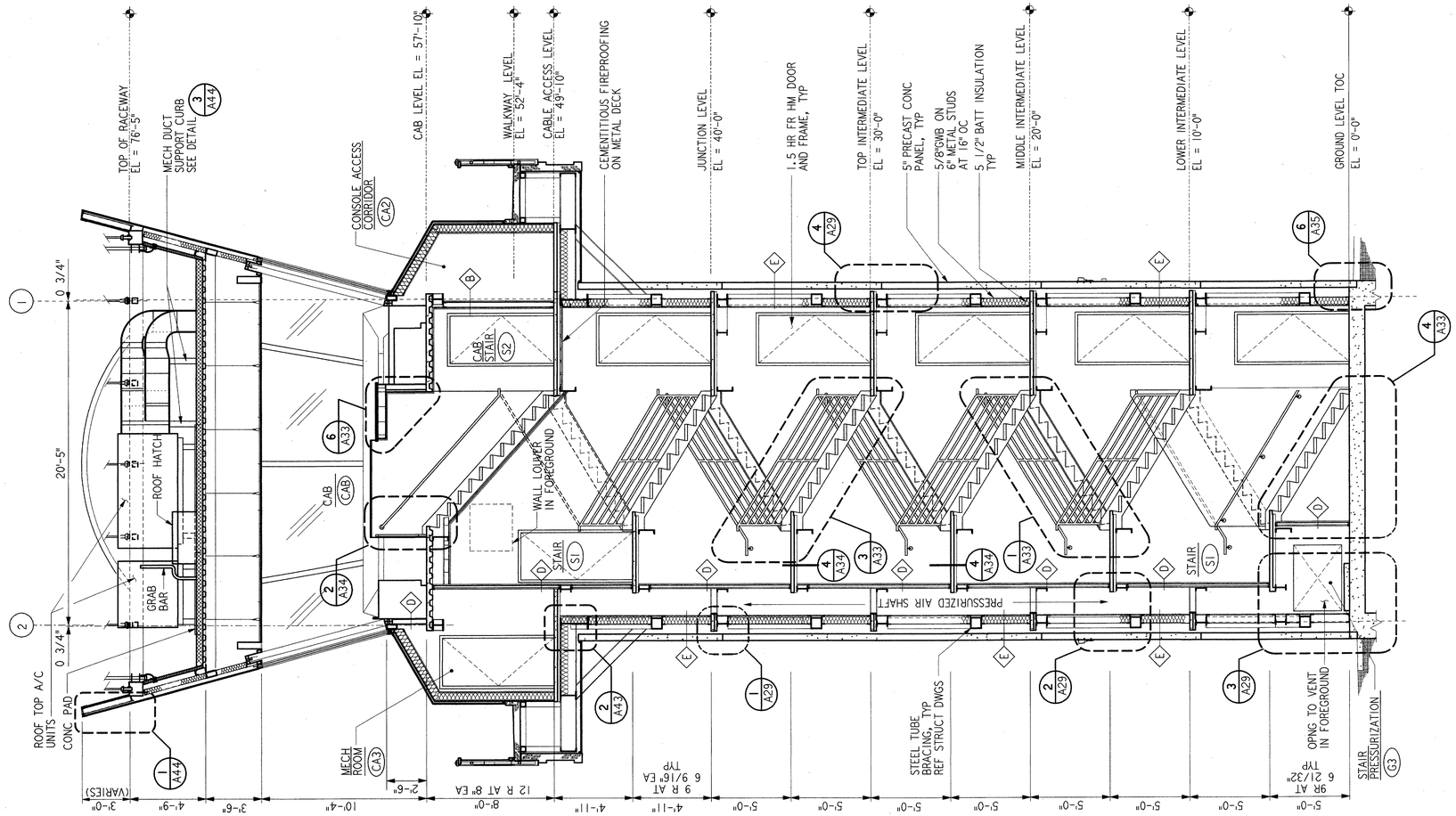
BUILDING ELEVATIONS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640	APPROVED: MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: GARY WILLIAMS	ISSUED BY: AIRWAY FACILITIES DIVISION
REVIEWED: A. AMBARDEKAR	DATE: 06-22-01
ORIG. DFT.: S. RAJPREEJA	DRAWING NUMBER: ADS-ATCT- A07
FACILITY:	

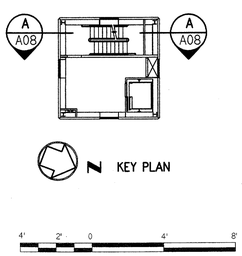
REF. DWG.:

FILENAME: ADS\A007.ELT



SECTION A/A08 — REF A02, A03

1/4" = 1'-0"



A08

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

BUILDING SECTION
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

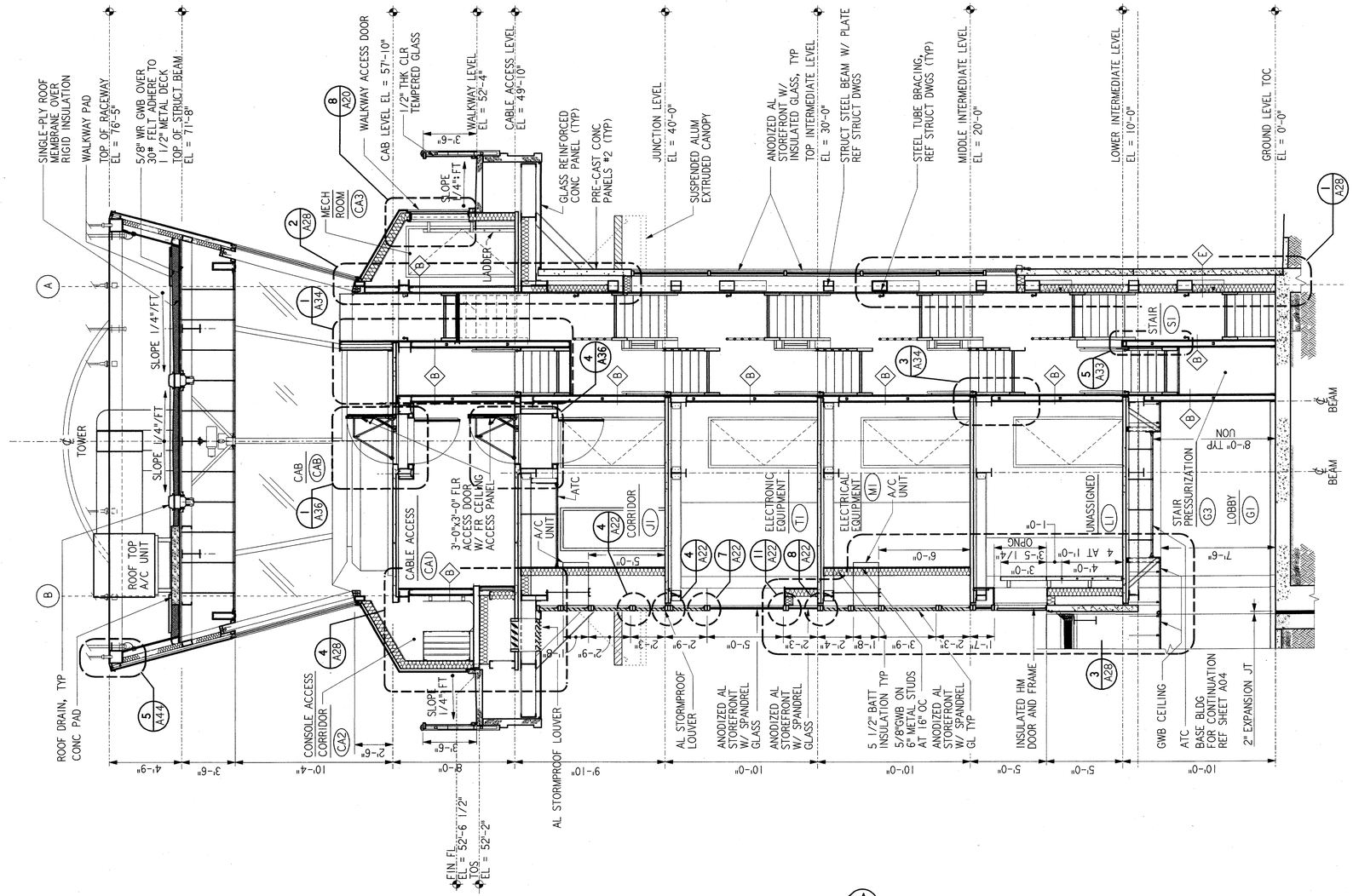
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

DRAWING NUMBER: ADS-ATCT- A08

REF. DWG.:

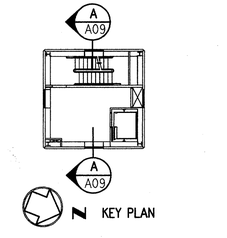
FILENAME:



SECTION

1/4 = 1'-0"

REF A09 A02 A03



A09

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

BUILDING SECTION ATCT

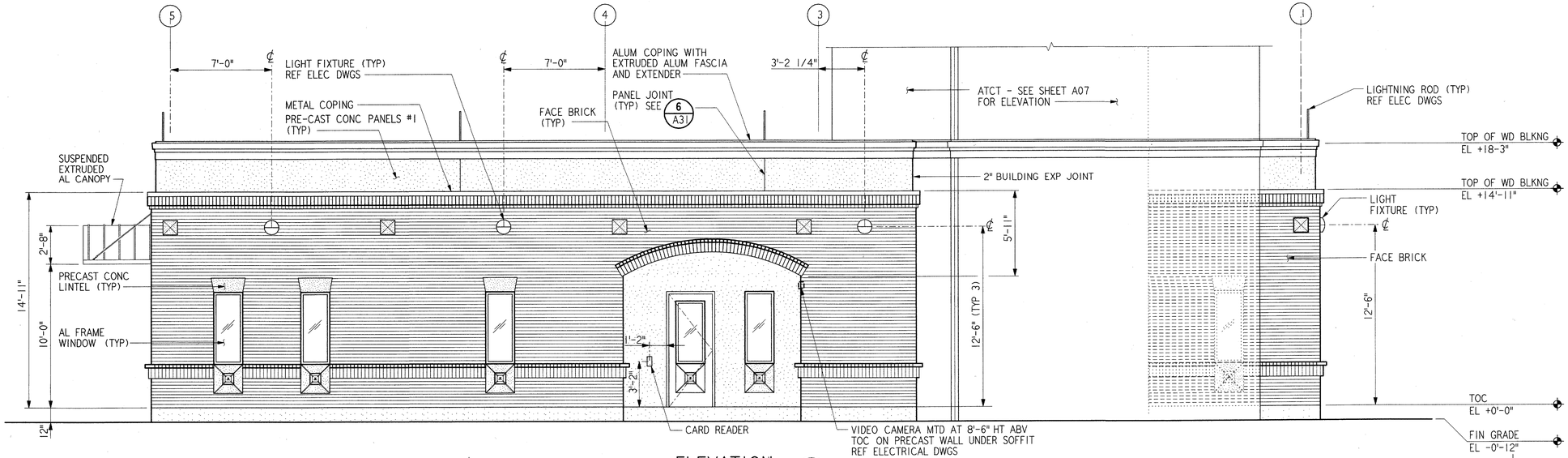
ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED:	APPROVED:
SYSTEMS ENGINEER, ANI-640	MANAGER TERMINAL PLATFORM, ANI-640

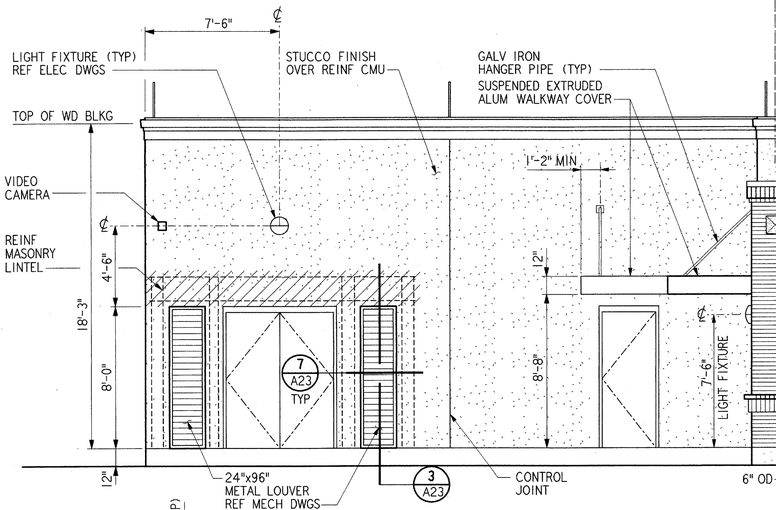
DESIGNED: GARY WILLIAMS	ISSUED BY	DATE: 06-22-01
REVIEWED: A. AMBARDEKAR	AIRWAY FACILITIES DIVISION	DRAWING NUMBER: ADS-ATCT- A09
ORIG. DFT.: S. RAJPREEJA		
FACILITY:		

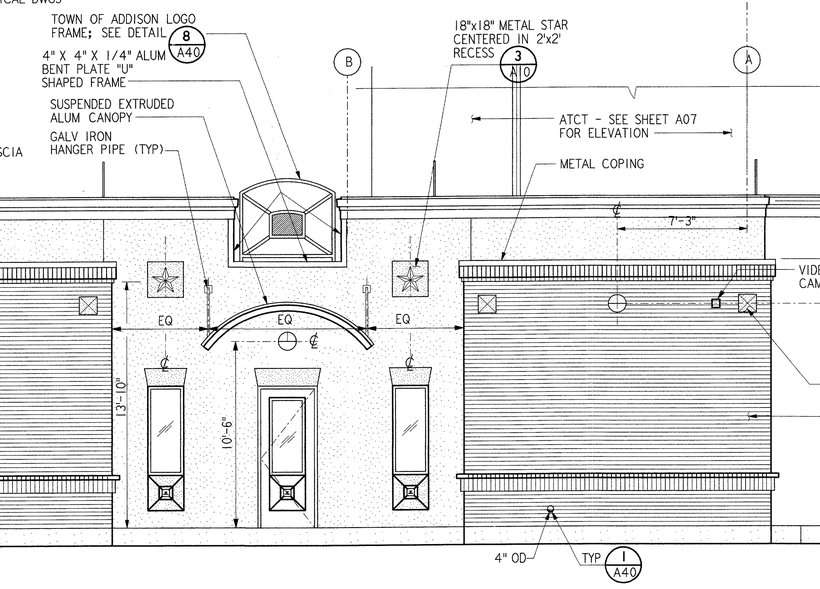
REF. DWG.:

FILENAME:

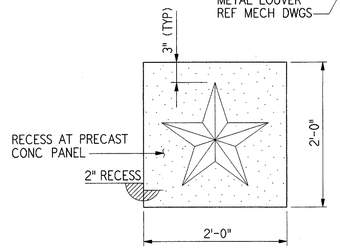


ELEVATION 1 A10 REF A04
1/4" = 1'-0"

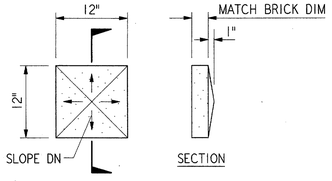




ELEVATION 2 A10 REF A04
1/4" = 1'-0"



DETAIL 3 A10
3/8" = 1'-0"



DETAIL 4 A10
3/8" = 1'-0"

4' 2' 0 4' 8'
1/4" = 1'-0"

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

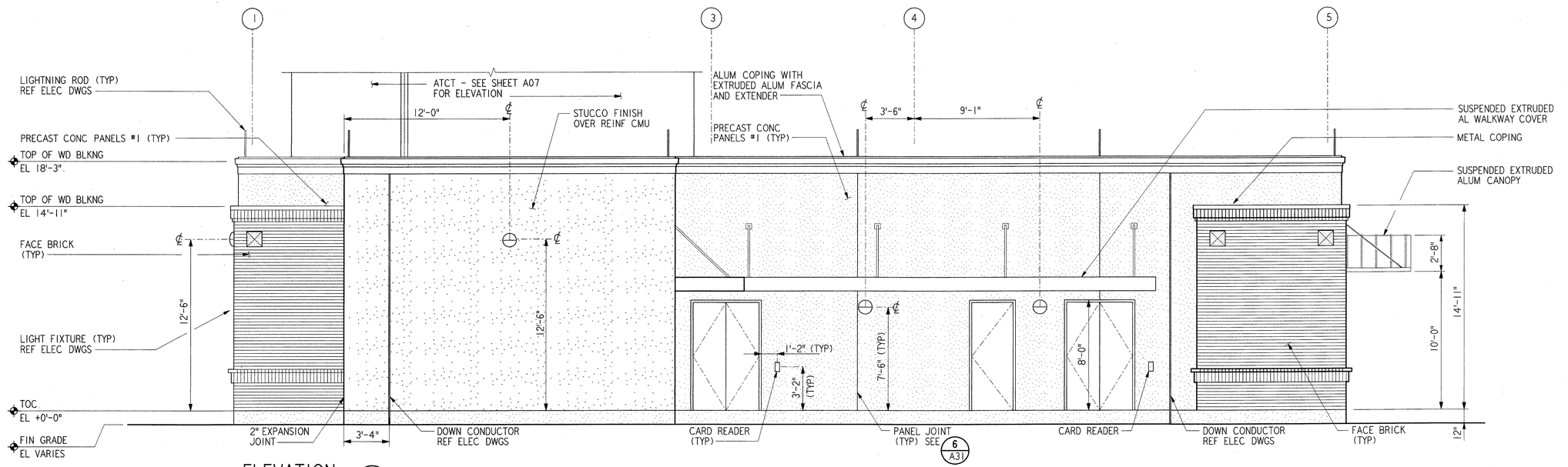
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

BUILDING ELEVATIONS
BASE-EG BUILDING

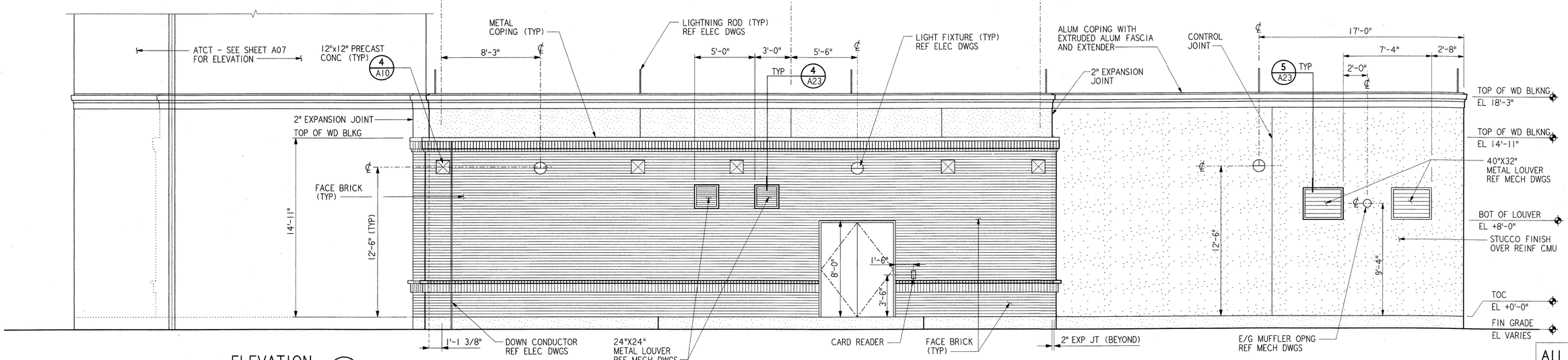
ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Dawn Ray — SYSTEMS ENGINEER, ANI-640
APPROVED: — MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:
ISSUED BY AIRWAY FACILITIES DIVISION
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A10

REF. DWG.:
FILENAME:



ELEVATION 3/A11 — 1/4" = 1'-0" — REF A04



ELEVATION 4/A11 — 1/4" = 1'-0" — REF A04

4' 2' 0 4' 8'
1/4" = 1'-0"

A11

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

BUILDING ELEVATIONS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

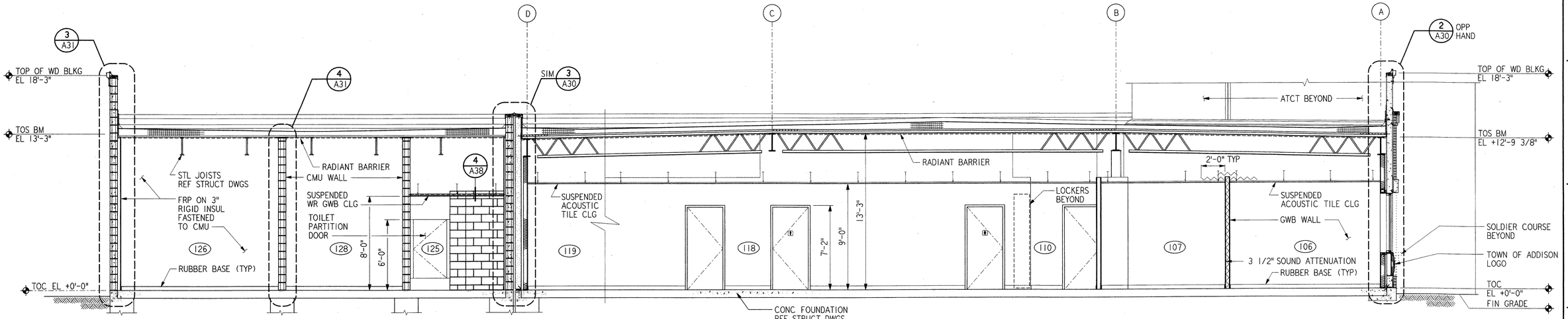
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY
AIRWAY FACILITIES
DIVISION

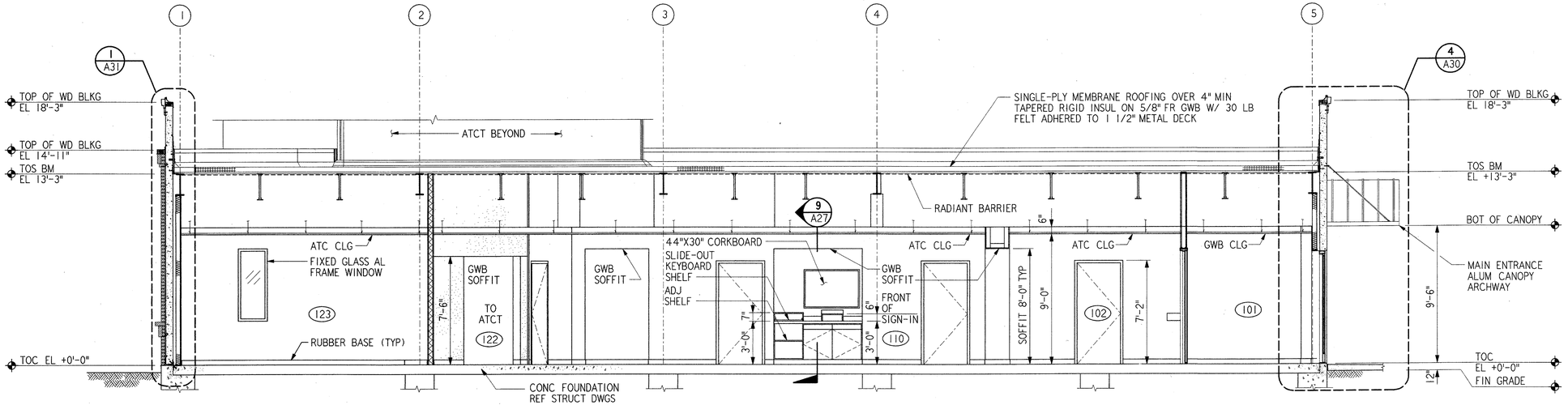
DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- A11

REF. DWG.:

FILENAME:



SECTION A A12 — 1/4" = 1'-0" — REF A04



SECTION B A12 — 1/4" = 1'-0" — REF A04

A12

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT — JAMES E. HARPER — 16725 — STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

BUILDING SECTIONS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

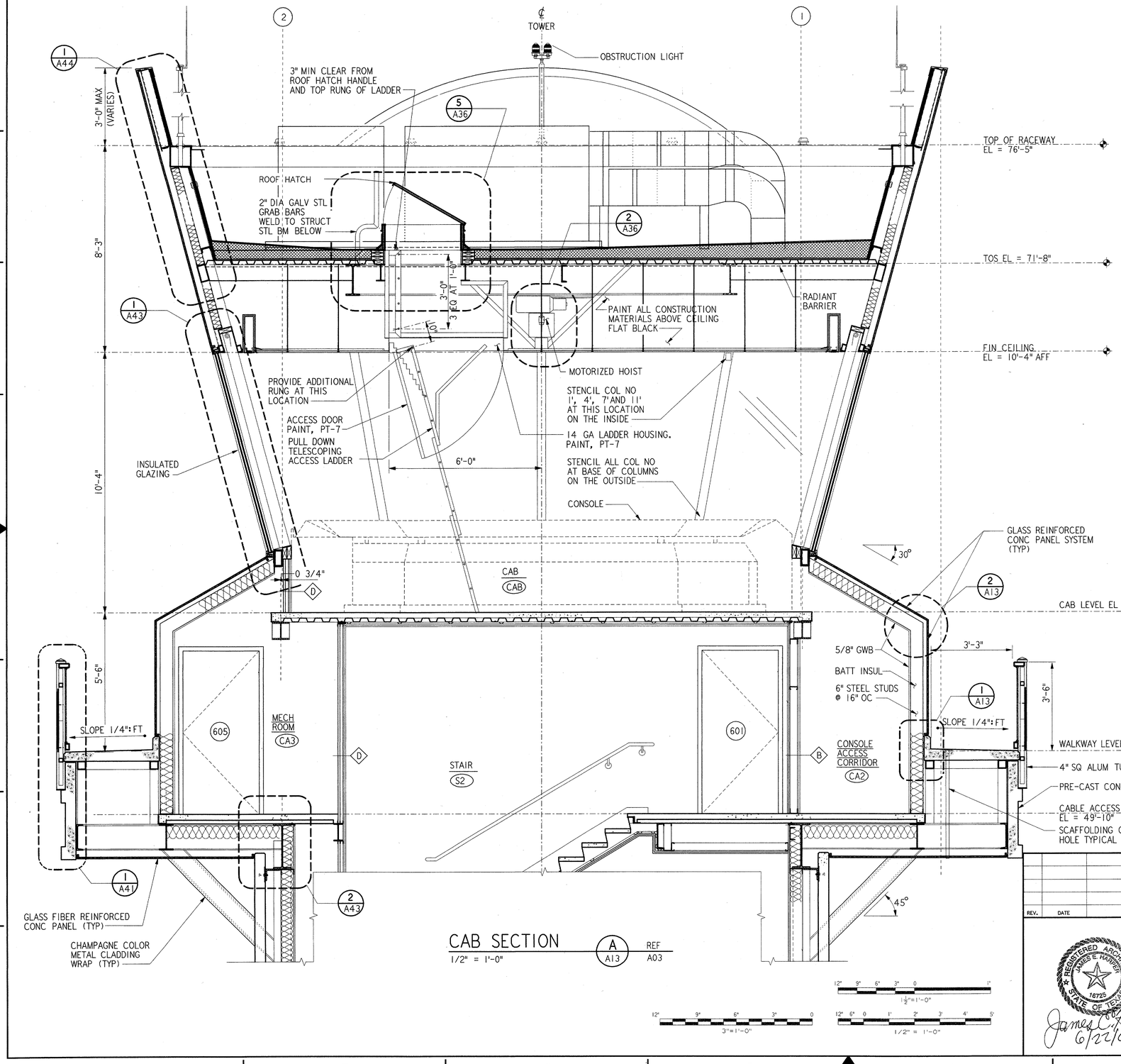
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A12

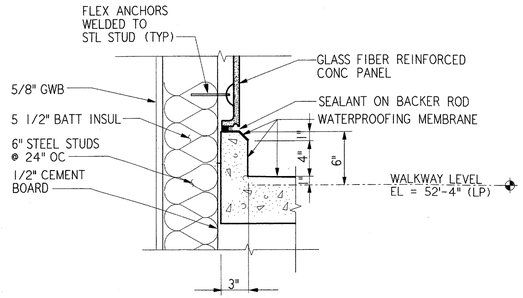
REF. DWG.:

FILENAME:



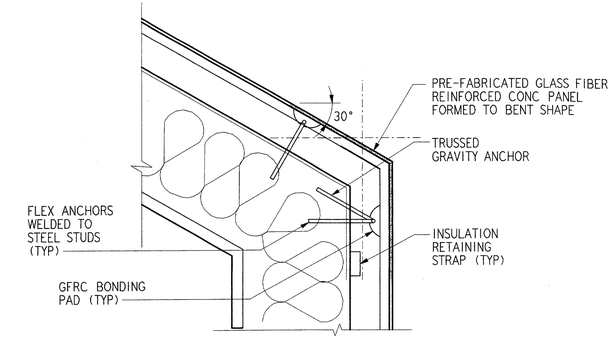
CAB SECTION

1/2" = 1'-0" — A/A13 — REF A03



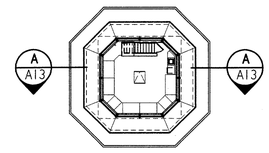
CURB DETAIL

1 1/2" = 1'-0" — 1/A13 — REF A13, A28



CORNER DETAIL

3" = 1'-0" — 2/A13 — REF A13



KEY PLAN

A13

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16722 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

CAB SECTION
ATCT

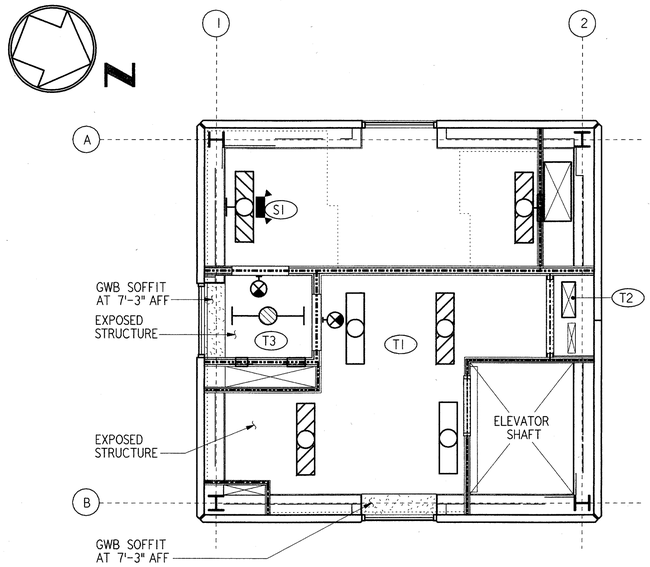
ADDISON — (ADDISON AIRPORT) — TEXAS

SUBMITTED:	APPROVED:
SYSTEMS ENGINEER, ANI-640	MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS	ISSUED BY	DATE: 06-22-01
REVIEWED: A. AMBARDEKAR	AIRWAY FACILITIES DIVISION	DRAWING NUMBER: ADS-ATCT- A13
ORIG. DFT.: S. RAJPREEJA		
FACILITY:		

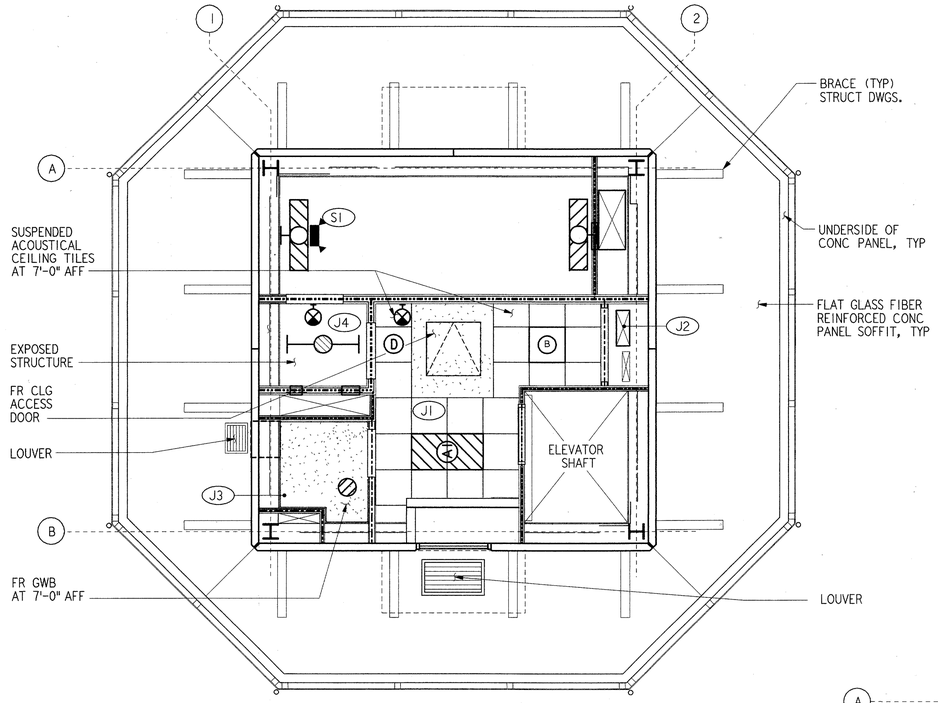
FILENAME:

REF. DWG.:



TOP INTERMEDIATE LEVEL

1/4" = 1'-0" EL = 30'-0"



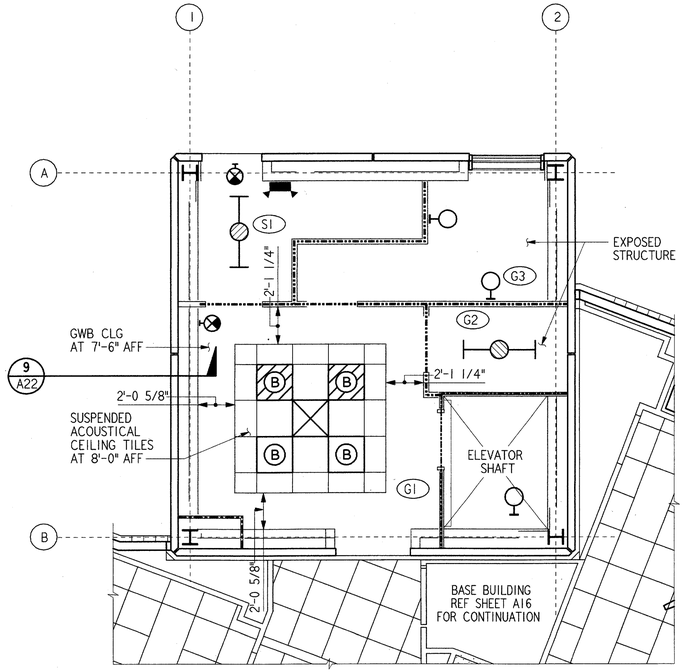
JUNCTION LEVEL

1/4" = 1'-0" EL = 40'-0"

ROOM SCHEDULE	
RM NO	ROOM NAME
G1	LOBBY
G2	ELEVATOR MACHINE ROOM
G3	STAIR PRESSURIZATION
L1	UNASSIGNED
L2	CABLE CHASE
L3	VESTIBULE
M1	ELECTRICAL EQUIPMENT
M2	CABLE CHASE
M3	VESTIBULE
T1	ELECTRONIC EQUIPMENT
T2	CABLE CHASE
T3	VESTIBULE
J1	CORRIDOR
J2	CABLE CHASE
J3	RESTROOM
J4	VESTIBULE
S1	STAIR

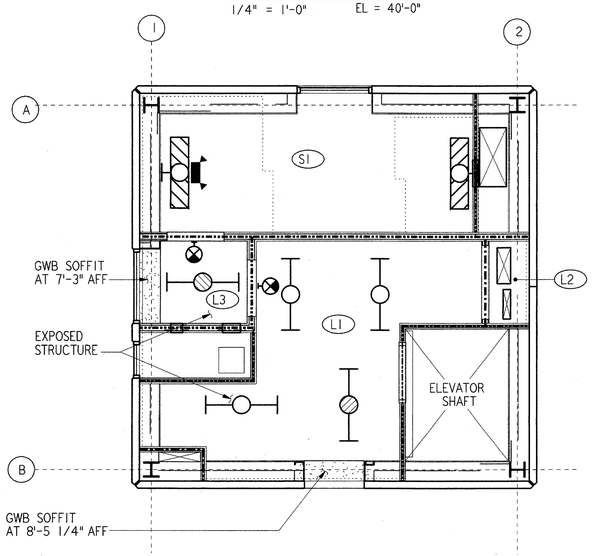
NOTES :

1. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR DETAILED LEGEND INFORMATION.
2. PROVIDE (2)HR RATED CEILING AT ROOM G3.



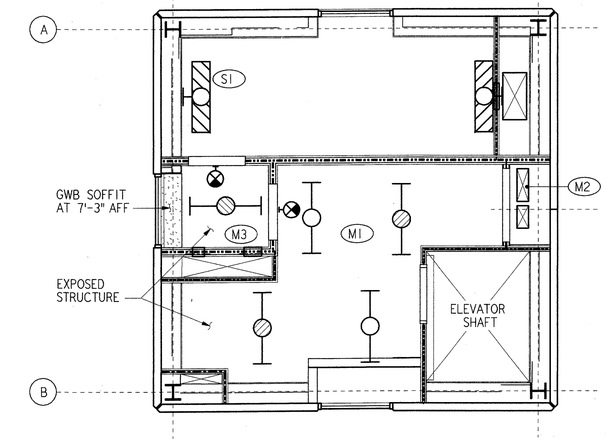
GROUND LEVEL

1/4" = 1'-0" EL = 0'-0"



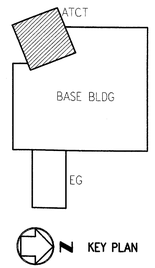
LOWER INTERMEDIATE LEVEL

1/4" = 1'-0" EL = 10'-0"



MIDDLE INTERMEDIATE LEVEL

1/4" = 1'-0" EL = 20'-0"



4' 2' 0 4' 8'
1/4" = 1'-0"

A14

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

REFLECTED CEILING PLANS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

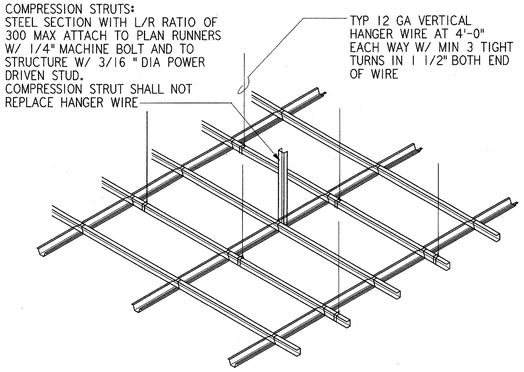
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

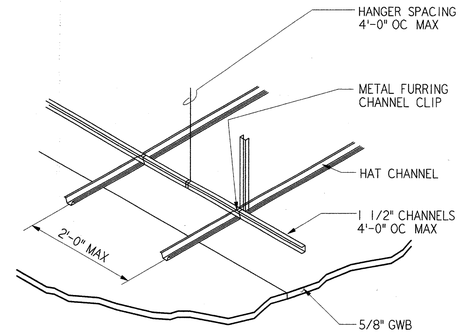
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A14

REF. DWG.:

FILENAME:



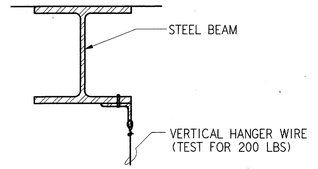
SUSPENDED CEILING FRAMING (1 / A15)
NOT TO SCALE



SUSPENDED GWB CEILING FRAMING (2 / A15)
NOT TO SCALE

ROOM SCHEDULE

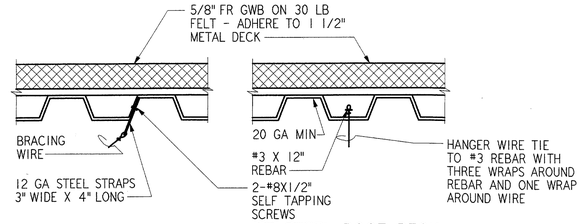
RM NO	ROOM NAME
CA1	CABLE ACCESS
CA2	CONSOLE ACCESS CORRIDOR
CA3	MECH ROOM
CAB	CAB
S2	CAB STAIR



AT STEEL BEAMS (A)

NOTES:

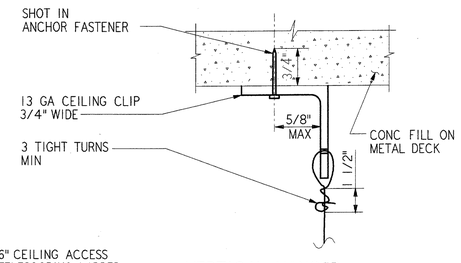
1. REFERENCE SHEET A01 FOR ARCHITECTURAL GENERAL NOTES AND BUILDING STATISTICS.
2. REFERENCE SHEET G03 FOR ABBREVIATIONS AND SHEET G04 FOR LEGENDS.



AT STEEL ROOF DECK (B)

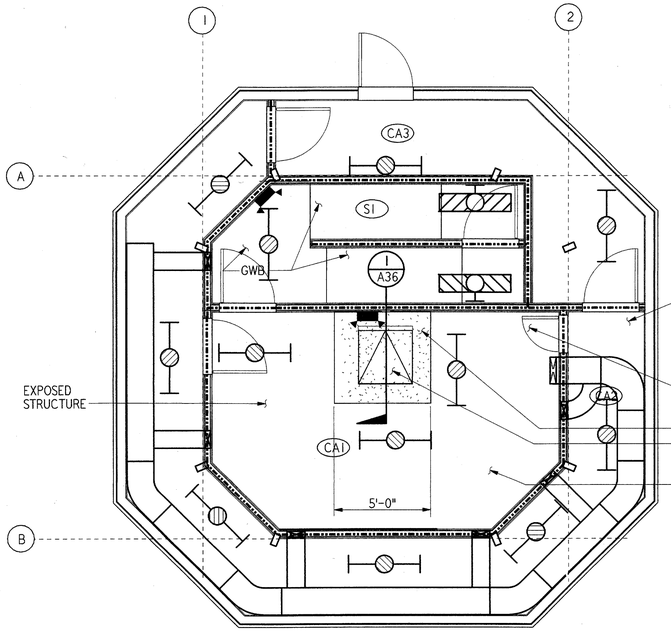
AT STEEL ROOF DECK (C)

CEILING SUPPORT DETAILS AT ROOF DECK AND BEAM (3 / A15)
NOT TO SCALE

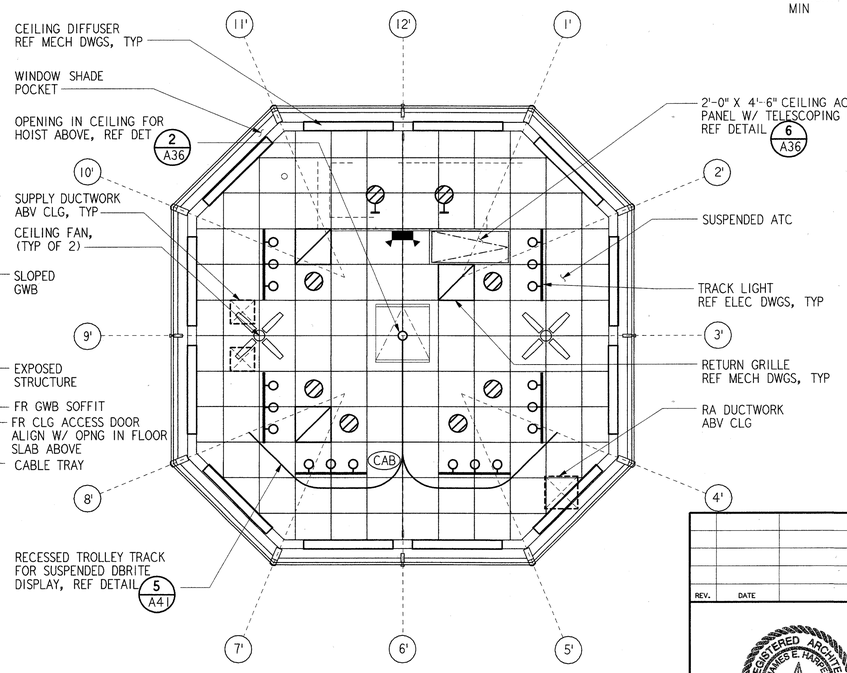


VERTICAL HANGER WIRE ATTACHMENT (A)

CEILING SUPPORT DETAILS AT COMPOSITE DECK (4 / A15)
NOT TO SCALE

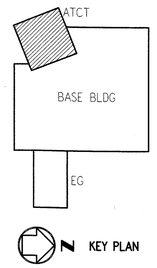


CABLE ACCESS AND WALKWAY LEVEL
1/4" = 1'-0" EL = 49'-10"



CAB LEVEL
1/4" = 1'-0" EL = 57'-10"

4' 2' 0 4' 8'
1/4" = 1'-0"



A15

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

REFLECTED CEILING PLANS AND DETAILS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

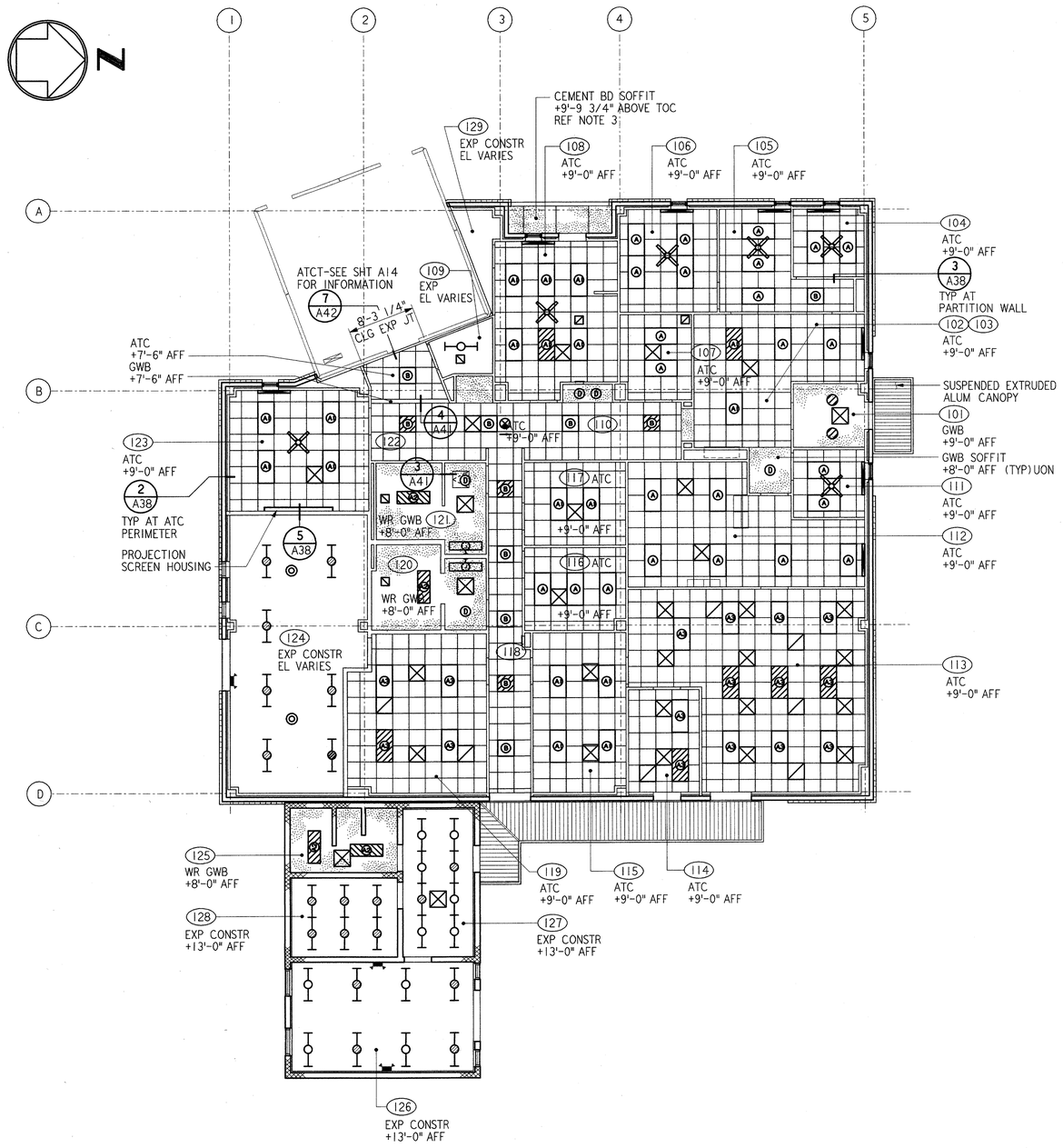
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- A15

FILENAME: ADSA015.RCT

REF. DWG.:



REFLECTED CEILING PLAN

1/8" = 1'-0"

8' 4' 0 8' 16'

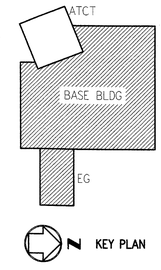
1/8" = 1'-0"

ROOM SCHEDULE

RM NO	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	STORAGE
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	E/G ROOM
127	WORKROOM
128	UPS
129	CABLE ACCESS ROOM

NOTES:

1. REFERENCE SHEET A01 FOR ARCHITECTURAL GENERAL NOTES AND BUILDING STATISTICS.
2. REFERENCE SHEET G03 FOR ABBREVIATIONS AND SHEET G04 FOR LEGENDS.
3. CONTRACTOR SHALL PROVIDE EDGE TRIM NECESSARY TO INSTALL CEMENT BOARD SOFFIT. PAINT SOFFIT WHITE.



A16

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

REFLECTED CEILING PLAN
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Gary Williams — SYSTEMS ENGINEER, ANI-640

APPROVED: — MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- A16

REF. DWG.:

FILENAME: ADSA016.RCT

ROOM FINISH AND DECORATING SCHEDULE

ATCT

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS 1	WALLS 2	WALLS 3	WALLS 4	CEILINGS MAT'L	CEILINGS HEIGHT	REMARKS
G1	LOBBY	CPT	RB	GWB	GWB	GWB	GWB	ATC*	8'-0"	* PARTIAL 5/8" GBW CLG 7'-6" AFF, PAINT PT-1
		CPT-1	RB-1	PT-3	PT-3	PT-3	PT-3	ATC-1	-	
G2	ELEVATOR MACHINE	CONC	RB	CONC	GWB	GWB	GWB	-	-	
		EFC-1	RB-1	-	PT-1	PT-1	PT-1	-	-	
G3	STAIR PRESSURIZATION	CONC	RB	GWB	GWB	GWB	GWB	GWB*	VARIES	*(2) LAYERS 5/8" FR GWB ON 1/2" RESILIENT CHANNEL
		EFC-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-6	-	
L1	UNASSIGNED	VCT	RB	GWB	GWB	GWB	GWB	EXP	8'-0"	
		VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-6	-	
L2	CABLE CHASE	CONC	-	CONC	GWB	GWB	GWB	-	-	
		EFC-1	-	-	PT-1	PT-1	PT-1	-	-	
L3	VESTIBULE	VCT	RB	GWB	GWB	GWB	GWB	-	-	
		VCT-1	RB-1	P-1	PT-1	PT-1	PT-1	-	-	
M1	ELECTRICAL EQUIPMENT	VCT	RB	GWB	GWB	GWB	GWB	-	-	
		VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	
M2	CABLE CHASE	CONC	-	CONC	GWB	GWB	GWB	-	-	
		EFC-1	-	-	PT-1	PT-1	PT-1	-	-	
M3	VESTIBULE	VCT	RB	GWB	GWB	GWB	GWB	-	-	
		VCT-1	RB-1	PT-1	P-1	PT-1	PT-1	-	-	
T1	ELECTRONIC EQUIPMENT	VCT	RB	GWB	GWB	GWB	GWB	-	-	
		VCT-1	RB-1	PT1	P-1	PT-1	PT-1	-	-	
T2	CABLE CHASE	CONC	-	CONC	GWB	GWB	GWB	-	-	
		EFC-1	-	-	PT-1	PT-1	PT-1	-	-	
T3	VESTIBULE	VCT	RB	GWB	GWB	GWB	GWB	-	-	
		VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	
J1	CORRIDOR	VCT	RB	GWB	GWB	GWB	GWB	ATC / ATC-1	GWB* / PT-1	7'-0" * SEE PLAN FOR LOCATION
		VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1			-
J2	CABLE CHASE	CONC	-	CONC	GWB	GWB	GWB	-	-	
		EFC-1	-	-	PT-1	PT-1	PT-1	-	-	
J3	RESTROOM	CMT	CMT	CMT	CMT	CMT	CMT	GWB*	7'-0"	* FR/WR LAVATORY COUNTER; PLAM-2
		CMT-2	CMT-2	CMT-1	CMT-1	CMT-1	CMT-1	PT-6	-	
J4	VESTIBULE	VCT	RB	GWB	GWB	GWB	GWB	-	-	
		VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	
CA1	CABLE ACCESS	CONC	RB	GWB	GWB	GWB	GWB	-	-	
		EFC-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	
CA2	CONSOLE ACCESS CORRIDOR	CONC	RB	GWB	GWB	GWB	GWB	GWB	VARIES	
		EFC-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-1	-	
CA3	MECH ROOM	CONC	RB	GWB	GWB	GWB	GWB	GWB	VARIES	
		EFC-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-1	-	
S1	STAIR	RF / RTR	RB	GWB	GWB	GWB	GWB	-	-	*RUBBER TREADS AND RISERS/ STRINGERS AND RAILS; PT-7
		RF-1 / RTR-1	RB-1	PT-1	PT-1	PT-1	PT-1	-	-	
S2	CAB STAIR	RF / RTR	RB	GWB	GWB	GWB	GWB	GWB	VARIES	*RUBBER TREADS AND RISERS/ STRINGERS AND RAILS; PT-7
		RF-1 / RTR-1	RB-1	PT-1	PT-1	PT-1	P-1	PT-1	-	
CAB	CONTROL CAB	CPT	RB	-	-	-	-	ATC	10'-4"	
		CPT-2	RB-1	-	-	-	-	ATC-2	-	

ROOM FINISH AND DECORATING SCHEDULE

BASE BUILDING

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS 1	WALLS 2	WALLS 3	WALLS 4	CEILINGS MAT'L	CEILINGS HEIGHT	REMARKS
101	VESTIBULE	VCT	RB	GWB	GWB	GWB	GWB	GWB	9'-0"	
		VCT-1	RB-1	PT-3	PT-3	PT-3	PT-3	PT-3	-	
102	LOBBY	VCT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	GWB SOFFIT 8'-0" AFF
		VCT-1	RB-1	PT-3	PT-3	PT-3	PT-3	ATC-1	-	
103	SECRETARY/ RECEPTIONIST	CPT	RB	GWB	GWB	-	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-3	PT-3	-	PT-3	ATC-1	-	
104	AT OFFICE	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
105	QATS	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
106	TOWER MANAGER	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
107	MAIL/FAX COPY ROOM	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
108	BREAKROOM	VCT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		VCT-2	RB-1	PT-3	PT-3	PT-3	PT-3	ATC-1	-	
109	JAN CLOSET	VCT	RB	GWB	GWB	GWB	GWB	EXP	VARIES	
		VCT-2	RB-1	PT-6	PT-6	PT-6	PT-6	PT-6	-	
110	CORRIDOR	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	W/ GWB SOFFIT 8'-0" AFF PAINT; PT-3
		CPT-1	RB-1	PT-3	PT-3	PT-3	PT-3	ATC-1	-	
111	AF OFFICE	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
112	RMM/LIS MMS ROOM	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
113	ELECTRONIC ROOM	AFT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	RAISED FLOOR SYSTEM
		AFT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
114	TELCO	AFT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	RAISED FLOOR SYSTEM * REF ELEC DWGS
		AFT-1	RB-1	* PT-1	PT-1	* PT-1	PT-1	ATC-1	-	
115	MATERIAL STORAGE	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
116	AT/AR/CBI TRAINING ROOM	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
117	AT/AF STORAGE	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
118	CORRIDOR	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	PT-3	PT-3	PT-3	PT-3	ATC-1	-	
119	ESU SHOP	VCT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ATC-1	-	
120	MEN'S TOILET	CMT	CMT	CMT	CMT	CMT	CMT	GWB*	8'-0"	* FR/WR LAV COUNTER; PLASM-2
		CMT-1, 2	CMT-2	CMT-3	CMT-3	CMT-3	CMT-3	PT-3	-	
121	WOMEN'S TOILET	CMT	CMT	CMT	CMT	CMT	CMT	GWB*	8'-0"	* FR/WR LAV COUNTER; PLAM-2
		CMT-1, 2	CMT-2	CMT-3	CMT-3	CMT-3	CMT-3	PT-3	-	
122	LINK	CPT	RB	GWB	GWB	GWB	GWB	ATC*	9'-0"	* W/ GWB SOFFIT AT 7'-6" AFF, PAINT; PT-1
		CPT-1	RB-1	PT-3	PT-3	PT-3	PT-3	ATC-1	-	
123	AT/AF CONFERENCE ROOM	CPT	RB	GWB	GWB	GWB	GWB	ATC	9'-0"	
		CPT-1	RB-1	WFC-1	WFC-1	WFC-1	WFC-1	ATC-1	-	
124	MECH/ELEC ROOM	CONC	RB	GWB	GWB	GWB	GWB	EXP	VARIES	
		EFC-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-6	-	
125	TOILET/SHOWER	CMT	CMU	CMU	CMU	CMU	CMU	GWB*	8'-0"	* FR/WR
		CMT-1, 2	EP-1	EP-1	EP-1	EP-1	EP-1	PT-6	-	
126	ENGINE GENERATOR	CONC	RB	FRP	FRP	FRP	CMU	EXP	13'-0"	
		EFC-1	RB-1	FRP-1	FRP-1	FRP-1	EP-1	PT-6	-	
127	WORKROOM	CONC	RB	FRP	CMU	CMU	FRP	EXP	13'-0"	
		EFC-1	RB-1	FRP-1	EP-1	EP-1	FRP-1	PT-6	-	
128	UPS	CONC	RB	CMU	CMU	FRP	CMU	EXP	13'-0"	
		EFC-1	RB-1	EP-1	EP-1	FRP-1	EP-1	PT-6	-	
129	CABLE ACCESS ROOM	CONC	RB	GWB	-	CONC	GWB	EXP	VARIES	
		EFC-1	RB-1	PT-1	-	EP-1	PT-1	PT-6	-	

EXTERIOR COLOR SCHEDULE

BLDG	ITEM	MATERIAL	FINISH/COLOR
ATCT	GLASS FIBER REINFORCED CONCRETE	CONCRETE	STAIN TO MATCH RALPH LAUREN, NANTUCKET WHITE, C006C
	COPING/CAP	ALUMINUM	KYNAR 500 CHAMPAGNE
	INSULATED GLAZING FRAMING	ALUMINUM	KYNAR 500 CHAMPAGNE
	RAILING	STEEL	PAINT TO MATCH KYNAR 500 CHAMPAGNE
	LOUVERS	ALUMINUM	KYNAR 500 CHAMPAGNE
	SUSPENDED CANOPY	ALUMINUM	KYNAR 500 CHAMPAGNE
	CURTAIN WALL FRAMING	ALUMINUM	KYNAR 500 CHAMPAGNE
	ALUMINUM COVERED BRACING	ALUMINUM	KYNAR 500 CHAMPAGNE
	PRE-CAST CONCRETE PANELS #2	CONCRETE	STAIN TO MATCH RALPH LAUREN, NANTUCKET WHITE, C006C
	DRYVIT	STUCCO	MATCH RALPH LAUREN, NANTUCKET WHITE, C006C
	EXTRUDED/FORMED COPING	ALUMINUM	KYNAR 500 CHAMPAGNE
	HOLLOW METAL DOORS/FRAMES	STEEL	PAINT TO MATCH KYNAR 500 CHAMPAGNE
BASE/ESU	BRICK	BRICK	ACME BRICK, GARNET SMOOTH
	PRE-CAST CONCRETE PANELS #1	CONCRETE	STAIN TO MATCH RALPH LAUREN, NANTUCKET WHITE, C006C
	STUCCO	STUCCO	MATCH RALPH LAUREN, NANTUCKET WHITE, C006C
	WINDOW FRAMES	ALUMINUM	KYNAR 500 CHAMPAGNE
	ALUMINUM & GLASS DOORS	ALUMINUM	KYNAR 500 CHAMPAGNE
	HOLLOW METAL DOORS/FRAMES	STEEL	PAINT TO MATCH KYNAR 500 CHAMPAGNE
	LOUVERS	ALUMINUM	KYNAR 500 CHAMPAGNE
	CANOPIES	ALUMINUM	KYNAR 500 CHAMPAGNE
	EXTRUDED/FORMED COPING	ALUMINUM	KYNAR 500 CHAMPAGNE
	DRYVIT	STUCCO	MATCH RALPH LAUREN, NANTUCKET WHITE, C006C

GENERAL NOTES:

1. WALL #1 IS NORTH WALL
   WALL #2 IS EAST WALL
   WALL #3 IS SOUTH WALL
   WALL #4 IS WEST WALL
2. REFERENCE SHEET A18 FOR COLOR AND MATERIAL LEGEND.

A17

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 18725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ROOM FINISH SCHEDULES & EXTERIOR COLOR SCHEDULE ATCT/BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS	ISSUED BY AIRWAY FACILITIES DIVISION	DATE: 06-22-01
REVIEWED:		DRAWING NUMBER: ADS-ATCT- A17
ORIG. DFT.: G.W., S.R., E.D.		
FACILITY:		

REF. DWG.:

FILENAME: ADSIA017.SCT

INTERIOR COLOR SCHEDULE

RESILIENT FLOORING
VINYL COMPOSITE TILE (VCT)
VCT-1 ALLSTATE MVT II 6029
VCT-2 ALLSTATE PL 2021

RUBBER FLOORING TILE (RF)
RF-1 ROPPE - RC 174 SMOKE

RUBBER STAIR TREAD AND RISER
RTR-1 ROPPE - 174 SMOKE

RUBBER COVE BASE
RB-1 ALLSTATE NO. 3

EPOXY FLOOR COATING (EFC)
EFC-1 SW HAZE GRAY

PAINTING
PAINT (PT)
PT-1 SHERWIN WILLIAMS PUREWHITE SW1004 (FLAT)
PT-2 NOT USED
PT-3 MULTISPEC MS90-9656
PT-4 SHERWIN WILLIAMS # SW 1007 BLACK TIE (GLOSS)
PT-5 NOT USED
PT-6 SHERWIN WILLIAMS # SW 1004 PUREWHITE (SEMI GLOSS)
PT-7 SHERWIN WILLIAMS # SW 1007 BLACK TIE (FLAT)
PT-8 KYNAR 500, CHAMPAGNE
EP-1 EPOXY PAINT TO MATCH FRP-1 PEARL GRAY

STAIN (S)
S-1 GOLDEN ASH TO MATCH PLAM-3

WALL COVERING
WALL FABRIC COVERING (WFC)
WFC-1 EUROTEX, TRETFORD 587

MILLWORK
PLASTIC LAMINATE (PLAM)
PLAM-1 NEVAMAR, BRONZE MATRIX TEXTURED MR-2-7T
PLAM-2 NEVAMAR, FOSSIL GRAY TEXTURED S-6-31T
PLAM-3 NEVAMAR, GOLDEN ASH TEXTURED W-8-110T
PLAM-4 NEVAMAR, NATURAL BEIGE TEXTURED S-2-63T

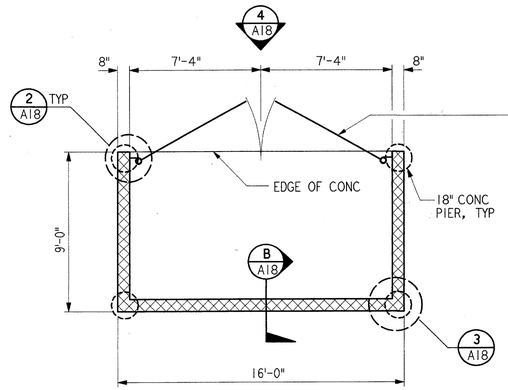
ACOUSTICAL TILE CEILING (ATC)
ATC-1 USG INTERIORS "GLACIER"/WHITE COLOR
ATC-2 USG INTERIORS "OMNI"/BLACK COLOR

PREFINISHED WALL PANELS
FIBERGLASS REINFORCED PANELS (FRP)
FRP-1 KEMLITE 48 PEARL GRAY

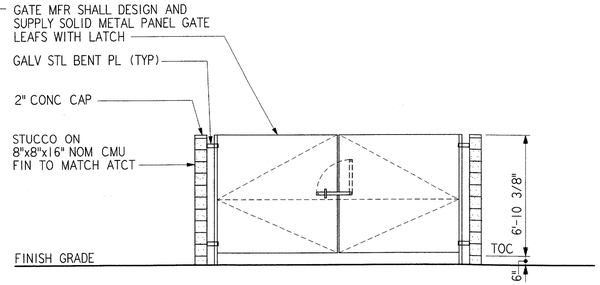
CARPETING (CPT)
CPT-1 CUMBERLAND/QUEEN CARPET COMPANY, GLORY DAYS, 703 ROLLING HILLS
CPT-2 UTP RTG CARPET, MOSAIC 6280

ACCESS FLOORING
ACCESS FLOORING TILE (AFT)
AFT-1 CONDUCTILE, BONE, CON 53SC

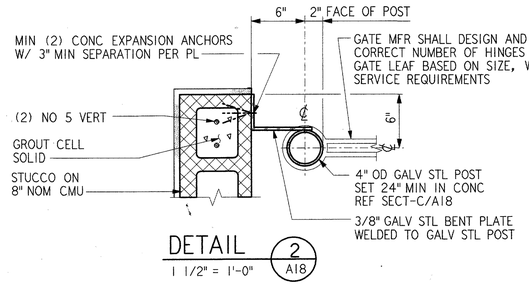
TILE (CMT)
CMT-1 2 X 2 DALTILE KEYSTONES ALMOND DK-35
CMT-2 2 X 2 DALTILE KEYSTONES FLINTLOCK DK-04
CMT-3 4 1/4 X 4 1/4 DALTILE SEMIGLOSS K-165 ALMOND



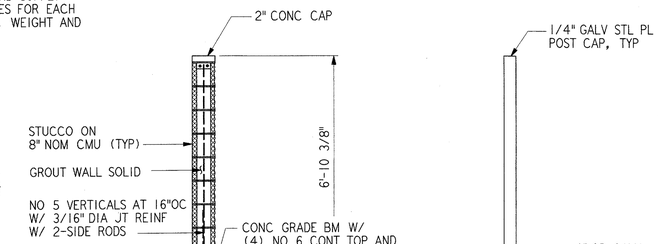
TRASH ENCLOSURE PLAN
1/4" = 1'-0"



TRASH ENCLOSURE ELEVATION
1/4" = 1'-0" — 4 A18

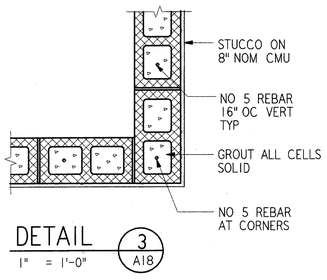


DETAIL
1 1/2" = 1'-0" — 2 A18

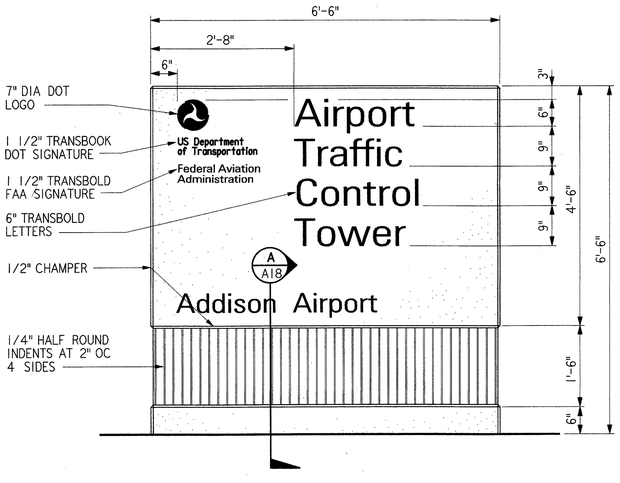


WALL SECTION
1/2" = 1'-0" — B A18

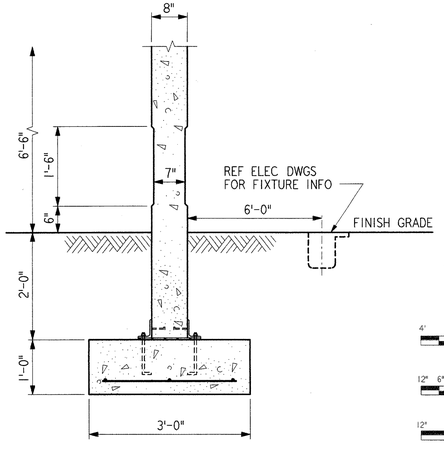
POST SECTION
1/2" = 1'-0" — C A18



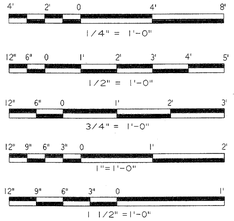
DETAIL
1" = 1'-0" — 3 A18



ELEVATION - SIGN
3/4" = 1'-0" — 1 A18



SECTION - SIGN
3/4" = 1'-0" — A A18



A18

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 18725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

TRASH ENCLOSURE PLAN AND DETAILS COLOR SCHEDULE AND SIGNAGE DETAILS ATCT/BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Duane Ray, SYSTEMS ENGINEER, ANI-640	APPROVED: Charles Cole, MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: GARY WILLIAMS	ISSUED BY: AIRWAY FACILITIES DIVISION
REVIEWED:	DATE: 06-22-01
ORIG. DFT.: G.W., S.R., E.D.	DRAWING NUMBER: ADS-ATCT- A18
FACILITY:	

REF. DWG.:

FILENAME: ADSIA018.SCT

DOOR SCHEDULE

ATCT

DOOR NO.	DOOR SIZE	HDWE SET	HDWE KEYSIDE	DOOR TYPE	DOOR MAT'L	DOOR FIN.	FRAME MAT'L	FRAME FIN.	FRAME DET NO.	FRAME SHT NO.	LABEL/ RATING	SIGN	REMARKS
101	3'-0" x 7'-0"	16	-	B	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
102	3'-0" x 7'-0"	17	-	A	HM/INSUL	PT-8	HM	PT-8	3	A20	B-1.5HR	YES	
103	3'-0" x 7'-0"	19	G1	A	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
104	3'-0" x 7'-0"	20	G1	A	HM	PT-8	HM	PT-8	1,5	A20	B-1.5HR	YES	
201	3'-0" x 7'-0"	19	-	A	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
202	3'-0" x 7'-0"	18	-	A	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
203	2-2'-0" x 7'-0"	21	L1	E	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
204	3'-0" x 3'-3"	23	L1	A	HM	PT-8	HM	PT-8	4,7	A20	-	YES	SPECIAL FRAME AND DOOR
301	3'-0" x 7'-0"	19	-	A	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
302	3'-0" x 7'-0"	18	-	A	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
303	2-2'-0" x 7'-0"	21	M1	E	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
401	3'-0" x 7'-0"	24	-	B	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
402	3'-0" x 7'-0"	18	-	A	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
403	2-2'-0" x 7'-0"	21	T1	E	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
501	3'-0" x 7'-0"	19	-	B	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
502	3'-0" x 6'-8"	18	-	B	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
503	2-2'-0" x 6'-8"	21	J1	E	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
504	3'-0" x 6'-8"	22	-	A	HM	PT-8	HM	PT-8	1,5	A20	-	YES	UNDERCUT DOOR 1"
601	3'-0" x 7'-0"	19	S2	A	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
602	3'-0" x 7'-0"	18	-	A	HM	PT-8	HM	PT-8	2,6	A20	B-1.5HR	YES	
603	3'-0" x 7'-0"	19	-	A	HM	PT-8	HM	PT-8	2	A20	B-1.5HR	YES	
604	3'-0" x 7'-0"	19	-	A	HM	PT-8	HM	PT-8	2	A20	B-1.5HR	YES	
605	3'-0" x 7'-0"	19	-	A	HM	PT-8	HM	PT-8	2	A20	B-1.5HR	YES	
606	2'-0" x 7'-0"	19	-	A	HM	PT-8	HM	PT-8	2	A20	B-1.5HR	YES	
607	3'-0" x 3'-6"	23	-	A	HM/INSUL	PT-8	HM	PT-8	8	A20	-	NO	SPECIAL FRAME AND DOOR

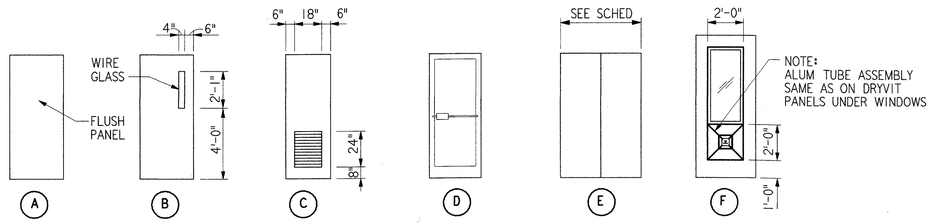
GENERAL NOTE

1. REFERENCE SHEET A18 FOR COLOR SCHEDULE.

DOOR SCHEDULE

BASE BUILDING

DOOR NO.	DOOR SIZE	HDWE SET	HDWE KEYSIDE	DOOR TYPE	DOOR MAT'L	DOOR FIN.	FRAME MAT'L	FRAME FIN.	FRAME DET NO.	FRAME SHT NO.	LABEL/ RATING	SIGN	REMARKS
101	3'-0" X 7'-10"	2	-	F	AL	PT-8	AL	PT-8	1,2,3	A21	-	NO	WITH METAL PANEL INSERT
102	3'-0" X 7'-10"	1	-	D	AL	PT-8	AL	PT-8	4,5	A21	-	NO	
103	3'-0" X 7'-0"	6	-	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
104	3'-0" X 7'-0"	9	105	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
105	3'-0" X 7'-0"	8	102	A	WD	S-1	HM	PT-8	4,5	A21	-	NO	
106	3'-0" X 7'-0"	9	105	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
107	3'-0" X 7'-0"	7	110	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
108	3'-0" X 7'-10"	1	-	F	AL	PT-8	HM	PT-8	1,2,3	A21	-	NO	WITH METAL PANEL INSERT
109	3'-0" X 7'-0"	13	122	A	WD	S-1	AL	PT-8	4,5	A21	E 3/4 HR	YES	
110	3'-0" X 7'-0"	6	-	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
111	3'-0" X 7'-0"	6	102	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
112	3'-0" X 7'-0"	10	113	A	WD	S-1	HM	PT-8	4,5,6	A21	-	YES	
113	(2) 2'-6" X 7'-10"	3	-	E	HM INSUL	PT-8	HM	PT-8	1,2,3	A21	-	NO	
114	3'-0" X 7'-10"	5	OUTSIDE	A	HM INSUL	PT-8	HM	PT-8	1,2,3	A21	E 3/4 HR	YES	
115	3'-0" X 7'-0"	10	113	A	WD	S-1	HM	PT-8	4,5,16	A21	E 3/4 HR	YES	
116	3'-0" X 7'-0"	10	113	A	WD	S-1	HM	PT-8	4,5,6	A21	-	YES	
117	3'-0" X 7'-0"	7	118	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
118	(2) 2'-6" X 7'-10"	3	-	E	HM INSUL	PT-8	HM	PT-8	1,2,3	A21	-	NO	
119	3'-0" X 7'-0"	7	118	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
120	3'-0" X 7'-0"	12	-	A	WD	S-1	HM	PT-8	4,5,17	A21	-	YES	UNDERCUT DOOR 1"
121	3'-0" X 7'-0"	6	118	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
122	3'-0" X 7'-0"	7	118	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
123	3'-0" X 7'-0"	12	-	A	WD	S-1	HM	PT-8	4,5,17	A21	-	YES	UNDERCUT DOOR 1"
124	3'-0" X 7'-0"	7	110	A	WD	S-1	HM	PT-8	4,5	A21	-	YES	
125	(2) 3'-0" X 7'-10"	3	-	E	HM INSUL	PT-8	HM	PT-8	13,14,15	A21	B-1.5 HR	NO	
126	3'-0" X 7'-0"	6	119	A	WD	S-1	HM	PT-8	7,8	A21	B-1.5 HR	YES	
127	3'-0" X 7'-0"	12	-	A	WD	S-1	HM	PT-8	11,12	A21	-	YES	UNDERCUT DOOR 1"
128	3'-0" X 7'-8"	5	OUTSIDE	A	HM INSUL	PT-8	HM	PT-8	9,10	A21	-	NO	
129	(2) 3'-0" X 7'-8"	4	OUTSIDE	E	HM INSUL	PT-8	HM	PT-8	9,10	A21	B-1.5 HR	NO	
130	3'-0" X 7'-0"	6	127	A	WD	S-1	HM	PT-8	11,12	A21	B-1.5 HR	YES	
131	3'-0" X 7'-0"	11	127	A	WD	S-1	HM	PT-8	11,12	A21	B-1.5 HR	YES	
132	2'-6" X 7'-0"	15	108	C	WD	S=1	HM	PT-8	4,5	A21	-	YES	



DOOR TYPES

NO SCALE

1. ALL DOORS ARE 1-3/4" THICK UNLESS OTHERWISE DETAILED.
2. FOR TYPICAL DOOR SIGN DETAIL, SEE SHEET A21.
3. FOR TYPICAL THRESHOLD TYPES, SEE DETAILS 3 & 6, SHEET A21.

A19

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

DOOR SCHEDULES AND DOOR TYPES
ATCT/BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S.R., E.D.
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

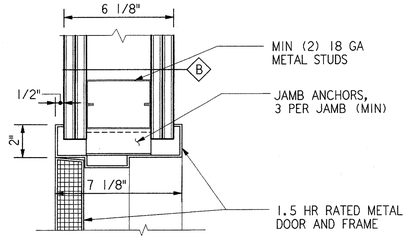
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A19

REF. DWG.:

FILENAME: ads\A019.SCT

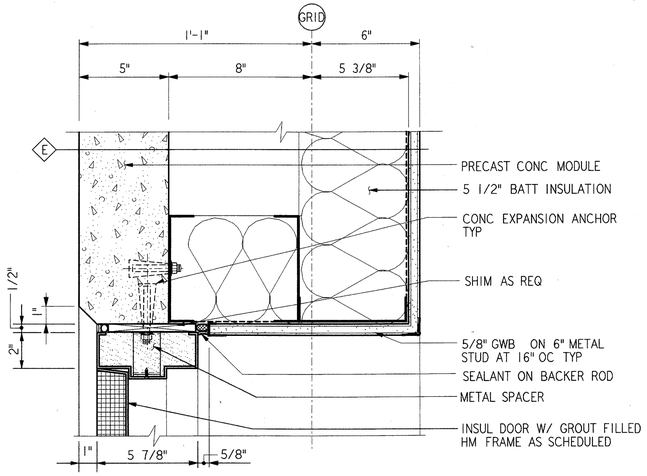
JAMB DETAIL (HEAD SIM) 1 A20 REF A19

3" = 1'-0"



JAMB DETAIL (HEAD SIM) 2 A20 REF A19

3" = 1'-0"

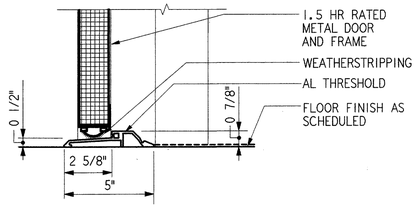


HEAD DETAIL/JAMB SIM 3 A20 REF A19

3" = 1'-0"

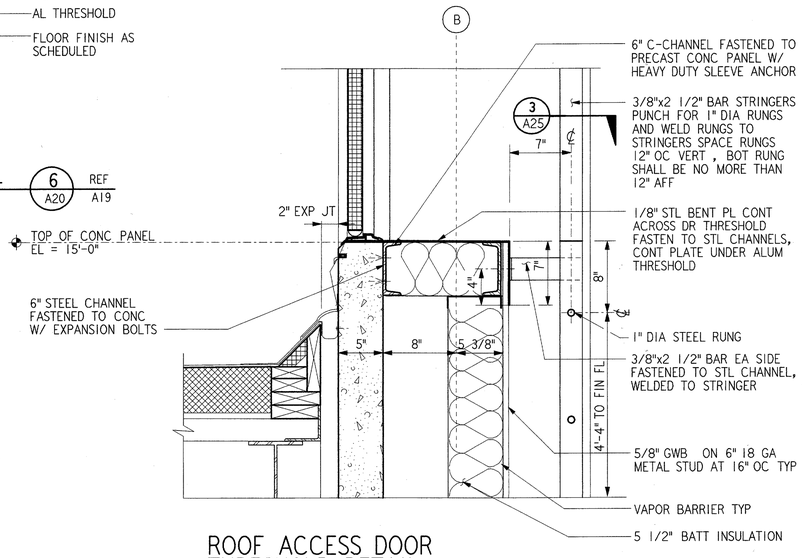
THRESHOLD DETAIL 5 A20 REF A19

3" = 1'-0"



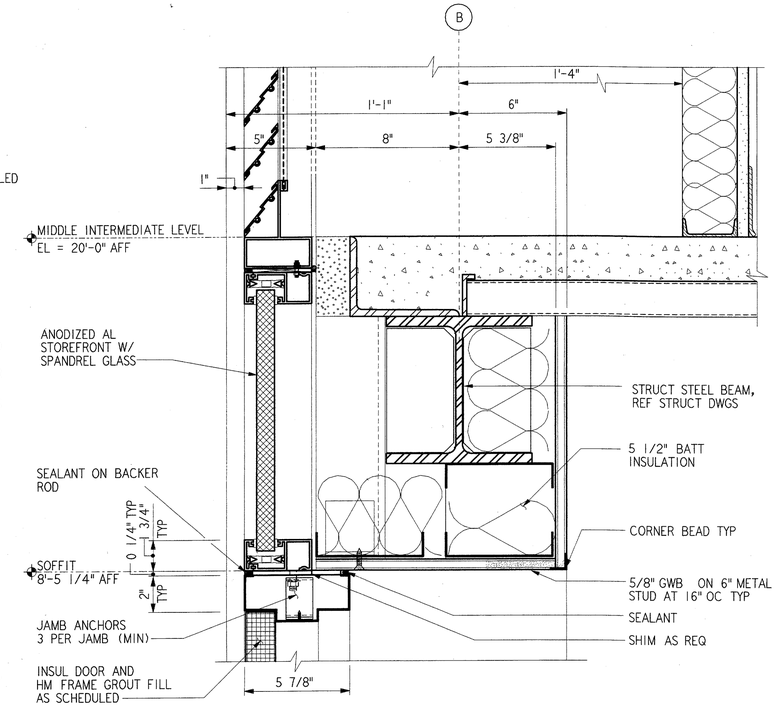
THRESHOLD DETAIL 6 A20 REF A19

3" = 1'-0"



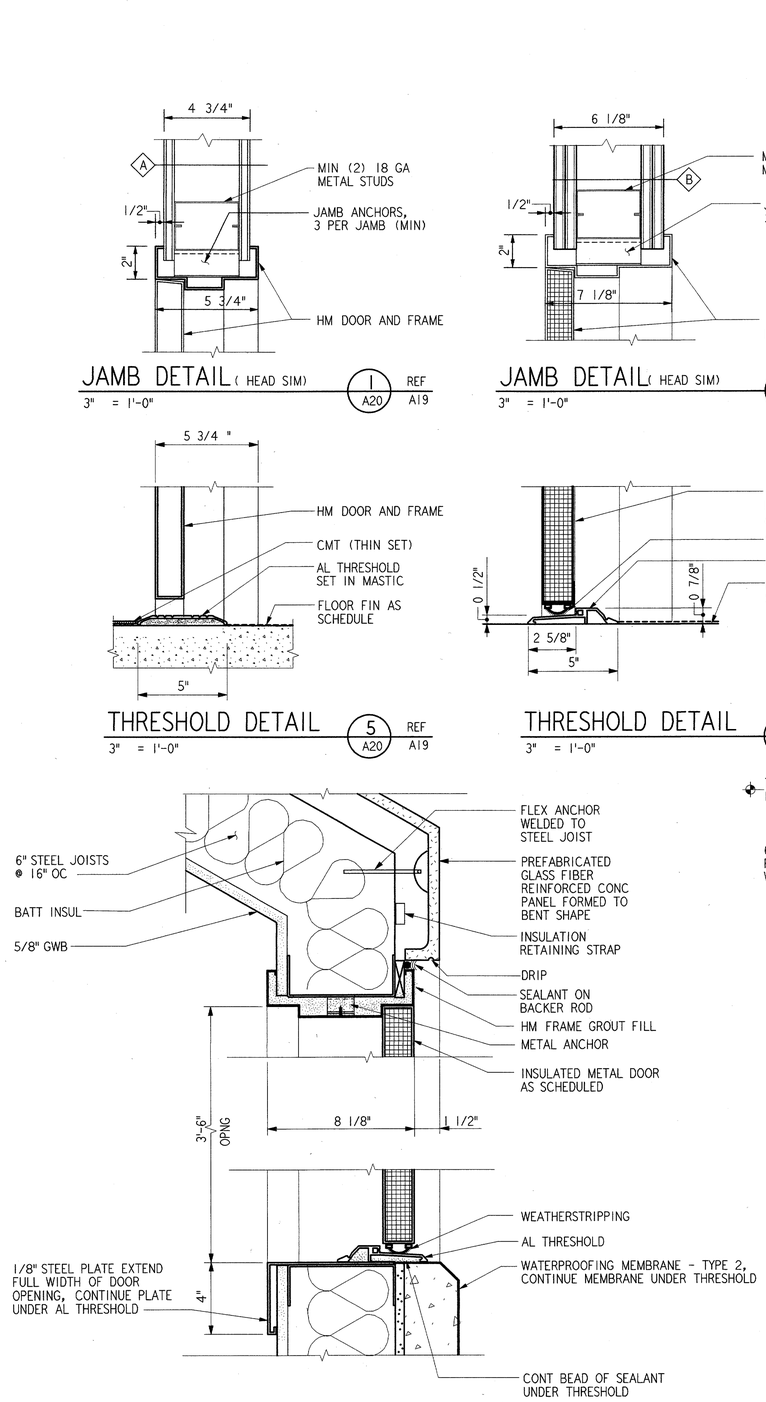
ROOF ACCESS DOOR THRESHOLD DETAIL 7 A20 REF A06 A07 A19 A28

1 1/2" = 1'-0"



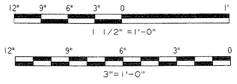
HEAD DETAIL 4 A20 REF A07 A19 A28

3" = 1'-0"



WALKWAY ACCESS DOOR DETAIL 8 A20 REF A09 A19

3" = 1'-0"



A20

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/09

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

DOOR DETAILS ATCT

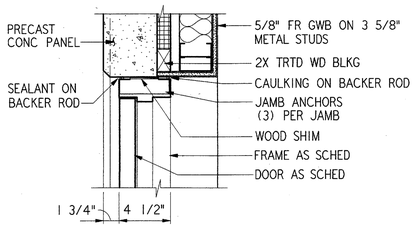
ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED:	APPROVED:
SYSTEMS ENGINEER, ANI-640	MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS	ISSUED BY	DATE: 06-22-01
REVIEWED: A. AMBARDEKAR	AIRWAY FACILITIES DIVISION	DRAWING NUMBER: ADS-ATCT- A20
ORIG. DFT.: S. RAJPREEJA		
FACILITY:		

REF. DWG.:

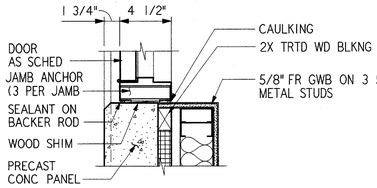
FILENAME: ADSA020.DTT



HEAD/JAMB SIM

1 1/2" = 1'-0"

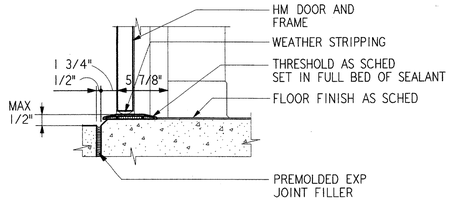
1 / A21 — REF A19, A30



JAMB DETAIL

1 1/2" = 1'-0"

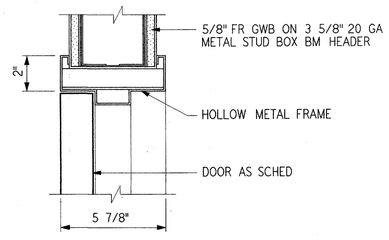
2 / A21 — REF A19



THRESHOLD DETAIL

1 1/2" = 1'-0"

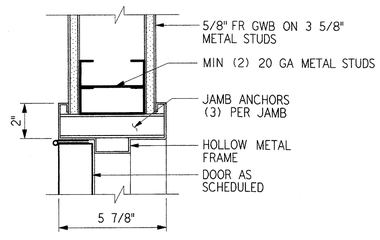
3 / A21 — REF A19, A30



HEAD DETAIL

3" = 1'-0"

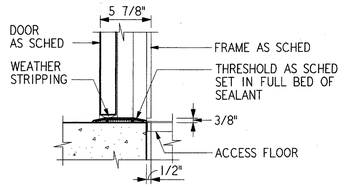
4 / A21 — REF A19



JAMB DETAIL

3" = 1'-0"

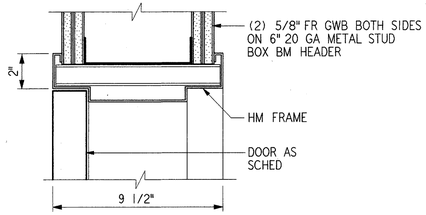
5 / A21 — REF A19



THRESHOLD DETAIL

1 1/2" = 1'-0"

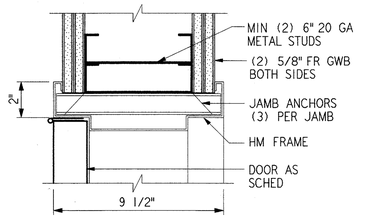
6 / A21 — REF A19



HEAD DETAIL

3" = 1'-0"

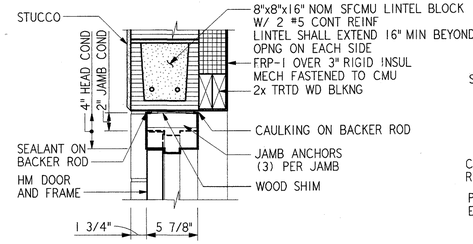
7 / A21 — REF A19



JAMB DETAIL

3" = 1'-0"

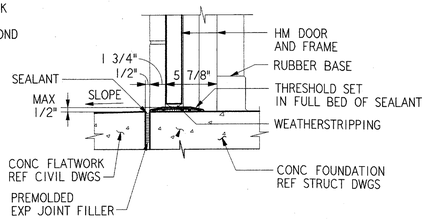
8 / A21 — REF A19



HEAD/JAMB SIM

1 1/2" = 1'-0"

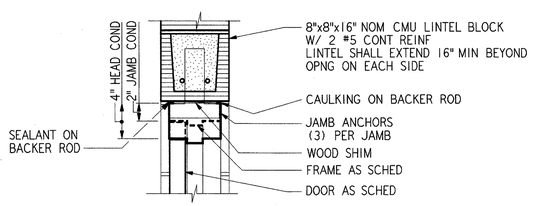
9 / A21 — REF A19, A31



SILL DETAIL

1 1/2" = 1'-0"

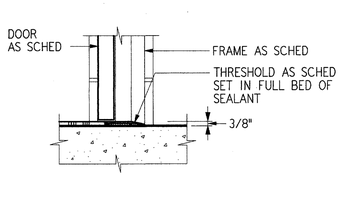
10 / A21 — REF A19, A31



HEAD/JAMB SIM

1 1/2" = 1'-0"

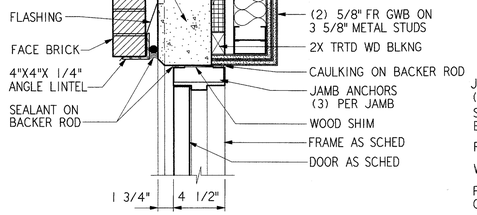
11 / A21 — REF A19



SILL DETAIL

1 1/2 = 1'-0"

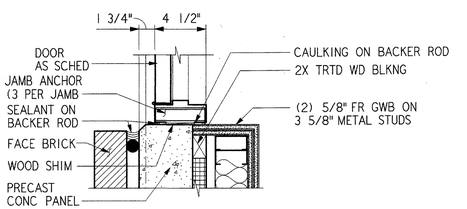
12 / A21 — REF A19



HEAD DETAIL

1 1/2" = 1'-0"

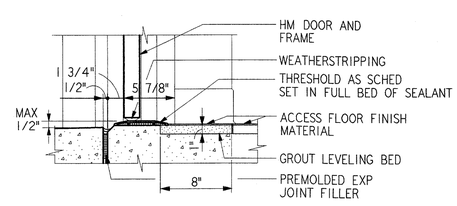
13 / A21 — REF A19



JAMB DETAIL

1 1/2" = 1'-0"

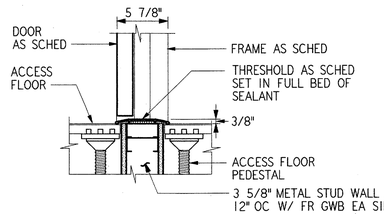
14 / A21 — REF A19



SILL DETAIL

1 1/2" = 1'-0"

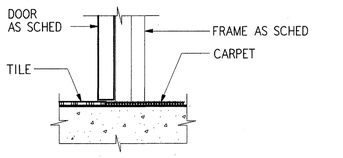
15 / A21 — REF A19



SILL DETAIL

1 1/2" = 1'-0"

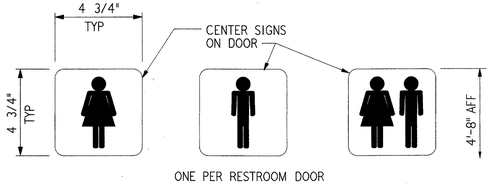
16 / A21 — REF A19



SILL DETAIL

1 1/2 = 1'-0"

17 / A21 — REF A19



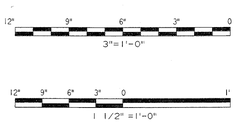
DETAIL SIGNAGE

3" = 1'-0"

18 / A21 — REF A19

A21

REV.	DATE	DESCRIPTION	DFTG.	CHECKED



REGISTERED ARCHITECT JAMES E. HARPER STATE OF TEXAS 18725

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

DOOR DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

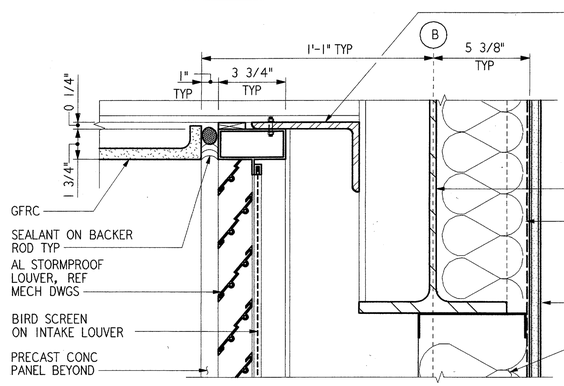
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

DRAWING NUMBER: ADS-ATCT- A21

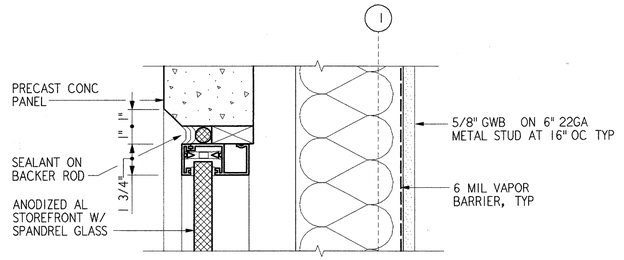
REF. DWG.:

FILENAME: ADSIA021.DTT



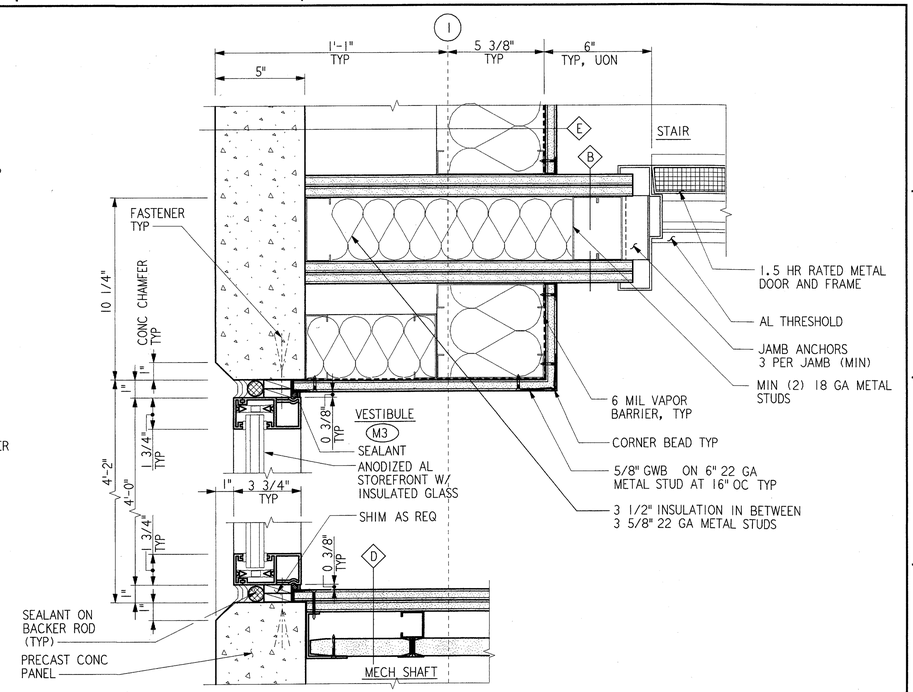
SPANDREL HEAD

3" = 1'-0" — 1 / A22 — REF A07



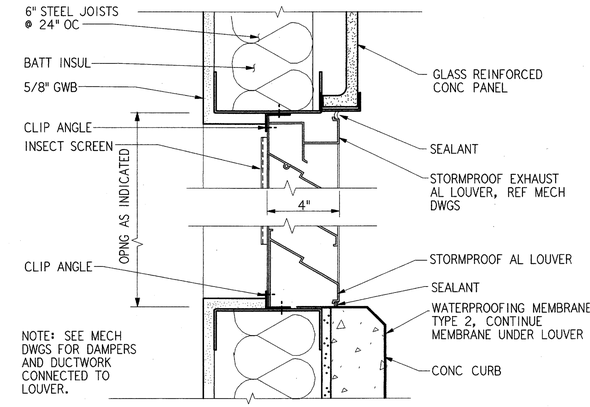
SPANDREL HEAD

3" = 1'-0" — 2 / A22 — REF A07



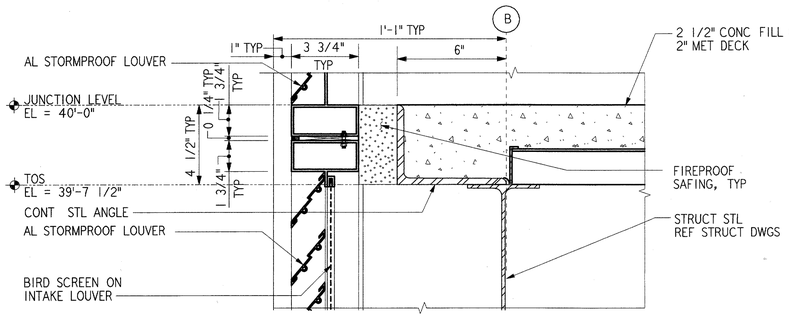
INSUL GLASS JAMB DETAIL

3" = 1'-0" — SPANDREL JAMB SIMILAR — 5 / A22 — REF A02, A07



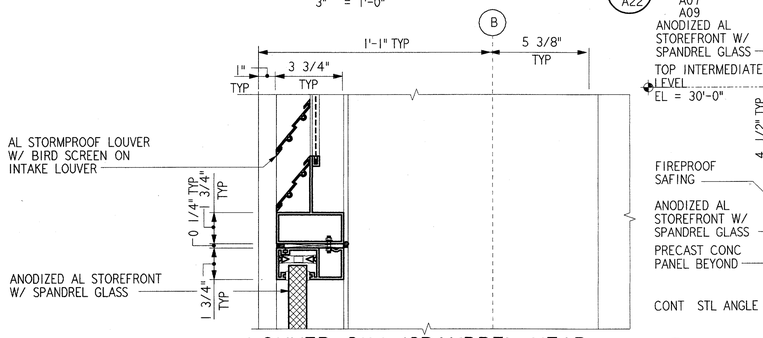
LOUVER DETAIL

3" = 1'-0" — 6 / A22 — REF A07



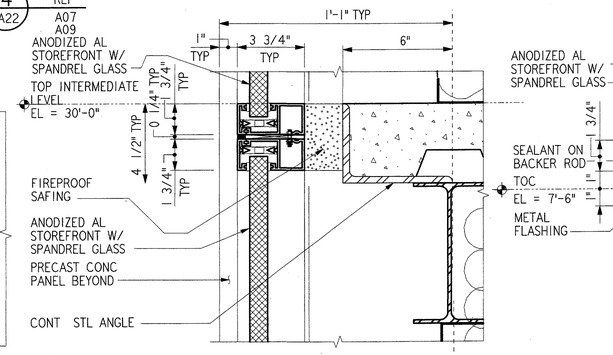
LOUVER HEAD AND SILL

3" = 1'-0" — 4 / A22 — REF A07, A09



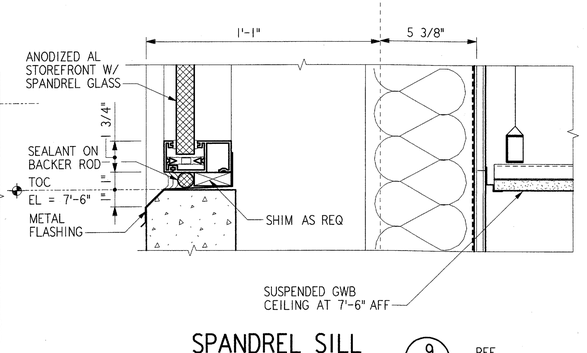
LOUVER SILL/SPANDREL HEAD

3" = 1'-0" — 7 / A22 — REF A07, A09



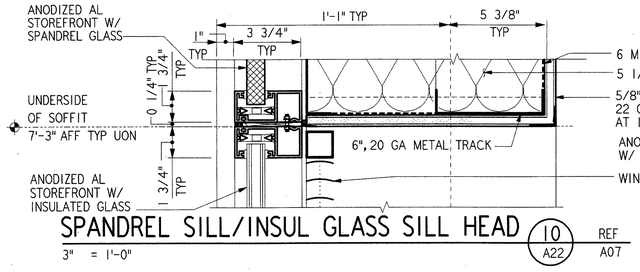
SPANDREL HEAD/SILL

3" = 1'-0" — 8 / A22 — REF A07, A09



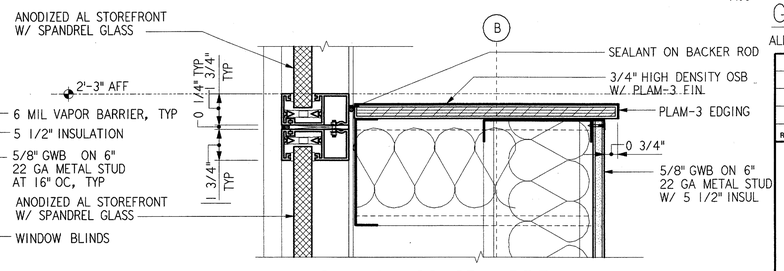
SPANDREL SILL

3" = 1'-0" — 9 / A22 — REF A07



SPANDREL SILL/INSUL GLASS SILL HEAD

3" = 1'-0" — 10 / A22 — REF A07



INSUL GLASS/SPANDREL HEAD

3" = 1'-0" — 11 / A22 — REF A07, A09

GENERAL NOTES:

ALL GYPSUM WALLBOARD SHALL BE TYPE "X" FIRE RATED

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT — JAMES E. HARPER — 16725 — STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

GLAZING AND LOUVER DETAILS
ATCT

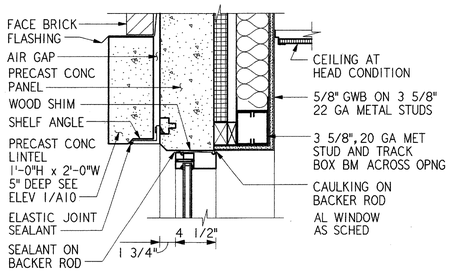
ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Gary Williams — SYSTEMS ENGINEER, ANI-640	APPROVED: MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: GARY WILLIAMS	ISSUED BY: AIRWAY FACILITIES DIVISION
REVIEWED: A. AMBARDEKAR	DATE: 06-22-01
ORIG. DFT.: S.RAJPREEJA	DRAWING NUMBER: ADS-ATCT- A22
FACILITY:	

A22

FILENAME: ADSIA022.DIT

REF. DWG.:

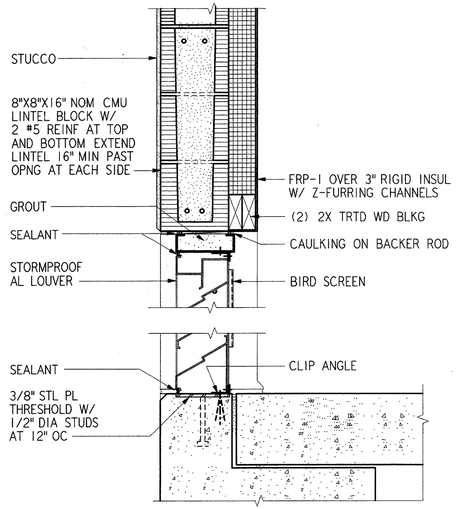


HEAD DETAIL

1 1/2" = 1'-0"

(1 / A23) REF A30

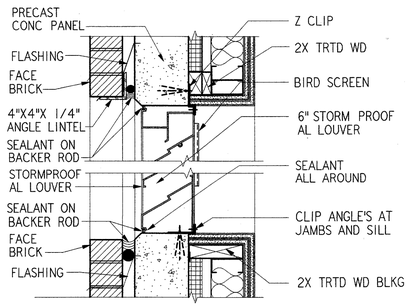
(W/O FACE BRICK) (1A / A23) REF A30



LOUVER DETAIL

1 1/2" = 1'-0"

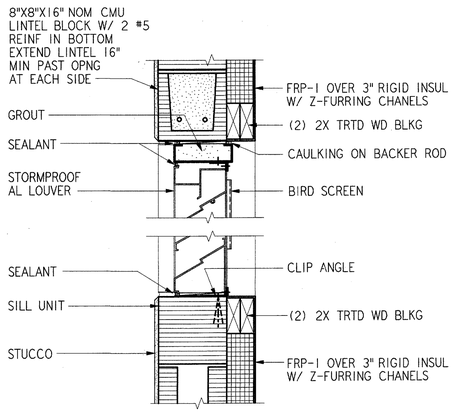
3 / A23 REF A10



LOUVER DETAIL

1 1/2" = 1'-0"

4 / A23 REF A11



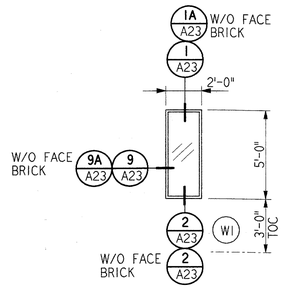
LOUVER DETAIL

1 1/2" = 1'-0"

5 / A23 REF A11

NOTE:

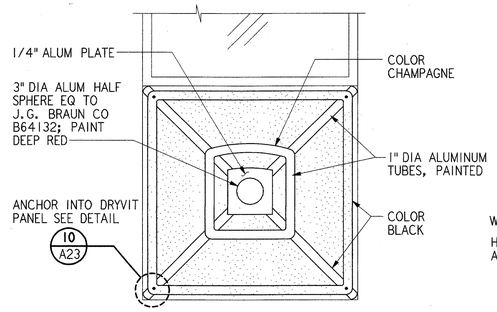
1. ALL GYPSUM WALLBOARD SHALL BE TYPE "X" FIRE RATED



WINDOW TYPE

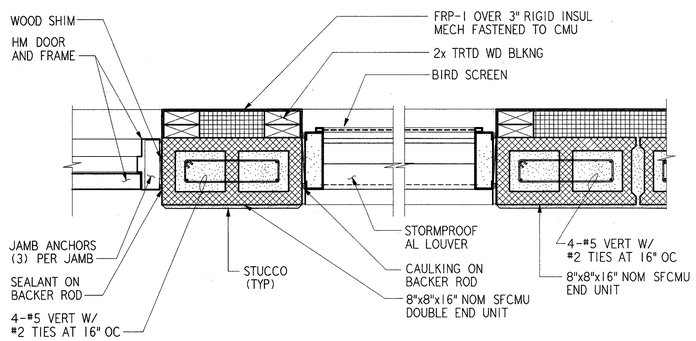
1/4" = 1'-0"

6 / A23 REF A05



ELEVATION

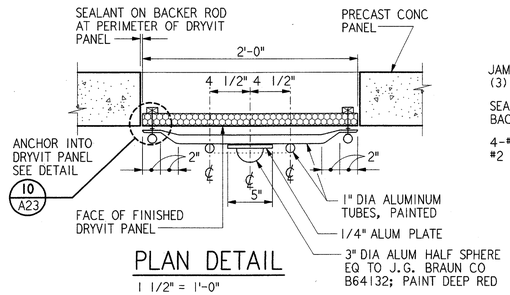
1 1/2" = 1'-0"



DOOR AND LOUVER JAMBS DETAIL

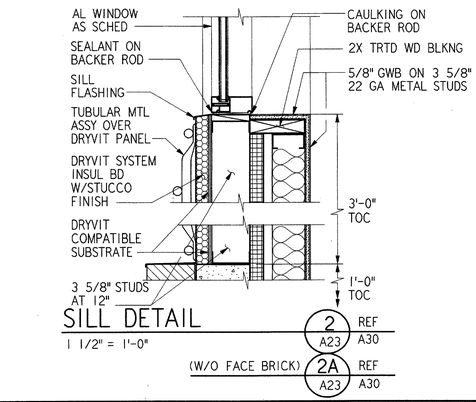
1 1/2" = 1'-0"

7 / A23 REF A10



PLAN DETAIL

1 1/2" = 1'-0"

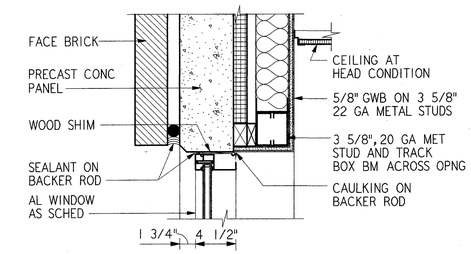


SILL DETAIL

1 1/2" = 1'-0"

2 / A23 REF A30

(W/O FACE BRICK) 2A / A23 REF A30

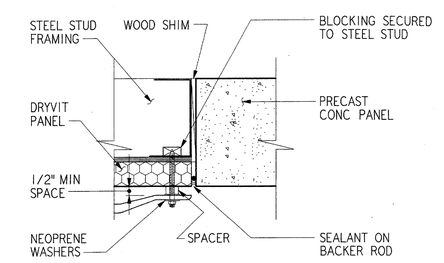


JAMB DETAIL

1 1/2" = 1'-0"

9 / A23

(W/O FACE BK) 9A / A23



ANCHOR DETAIL

3" = 1'-0"

10 / A23

4' 2' 0 4' 8'
1/4 " = 1'-0"
12" 9" 6" 3" 0 1'
1 1/2 "= 1'-0"
12" 9" 6" 3" 0
3"= 1'-0"

REGISTERED ARCHITECT JAMES E. HARPER 16726 STATE OF TEXAS

James E. Harper 6/22/01

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

PARSONS

DALLAS, TX

A23

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

WINDOW AND LOUVER DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

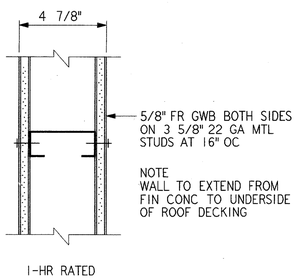
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A23

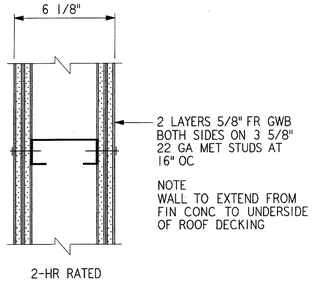
REF. DWG.:

FILENAME: ADS\A023.DIT



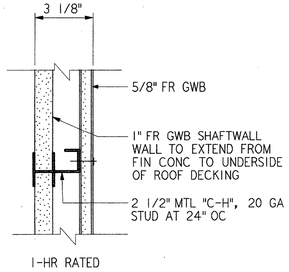
1-HR RATED

PARTITION TYPE-A



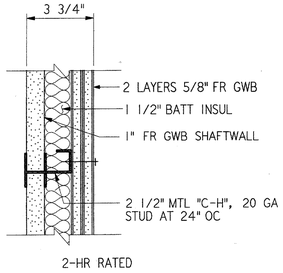
2-HR RATED

PARTITION TYPE-B



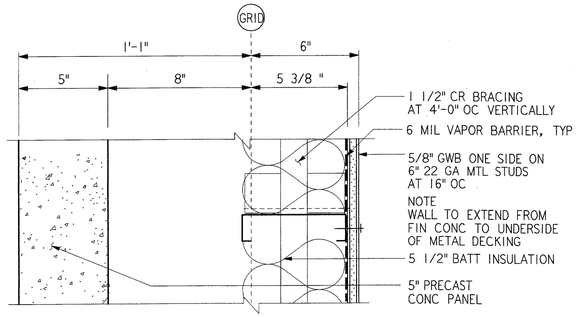
1-HR RATED

PARTITION TYPE-C

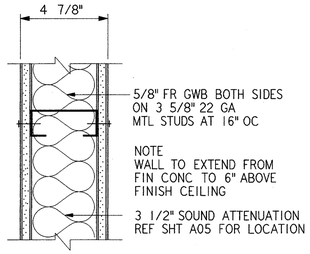


2-HR RATED

PARTITION TYPE-D

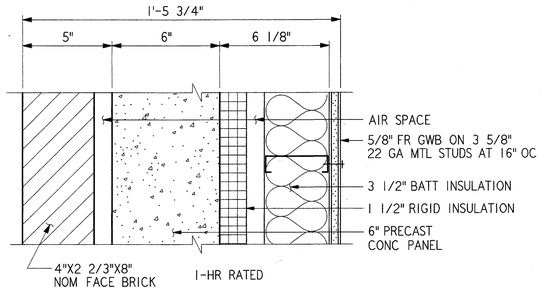


PARTITION TYPE E



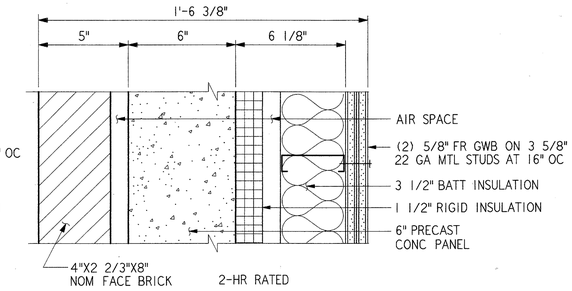
NON-RATED

PARTITION TYPE-F



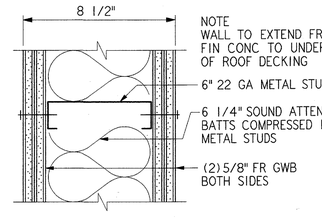
1-HR RATED

PARTITION TYPE-G/G-1 WITH FACE BRICK



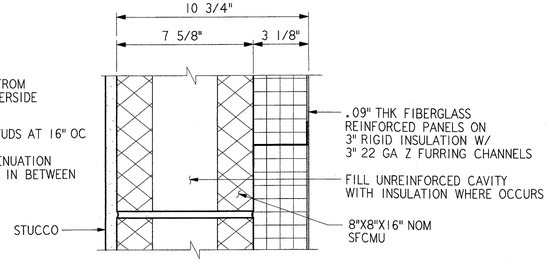
2-HR RATED

PARTITION TYPE-H/H1 WITH FACE BRICK



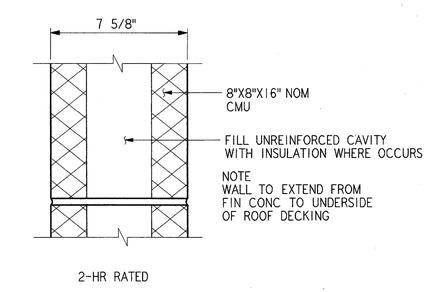
2-HR RATED

PARTITION TYPE-J



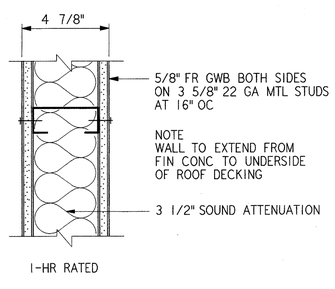
2-HR RATED

PARTITION TYPE-K



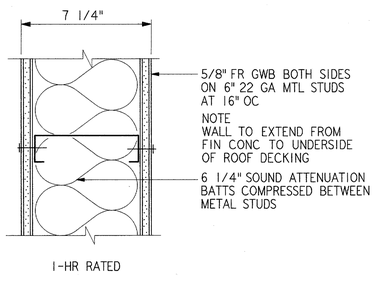
2-HR RATED

PARTITION TYPE-L



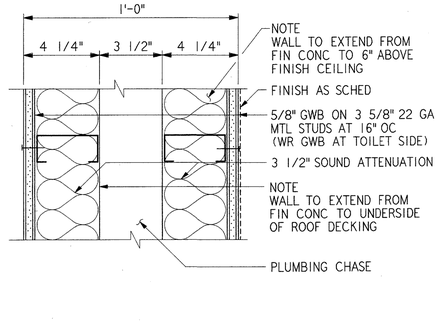
1-HR RATED

PARTITION TYPE-M

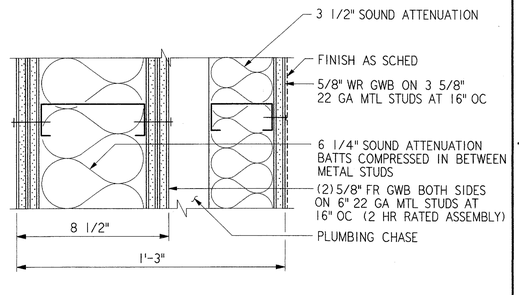


1-HR RATED

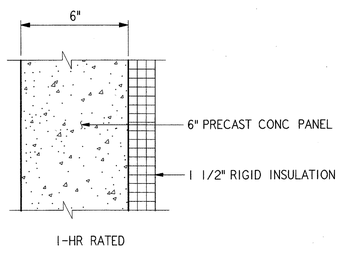
PARTITION TYPE-N



PARTITION TYPE-P

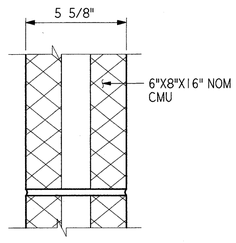


PARTITION TYPE-P1

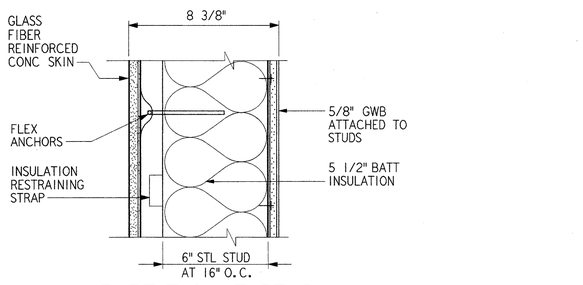


1-HR RATED

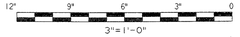
PARTITION TYPE-Q



PARTITION TYPE-R



PARTITION TYPE-S



A24

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

PARTITION TYPES
ATCT/BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Joann Roy — SYSTEMS ENGINEER, ANI-640
APPROVED: Curtis Callihan — MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S.R.,E.D.
FACILITY:

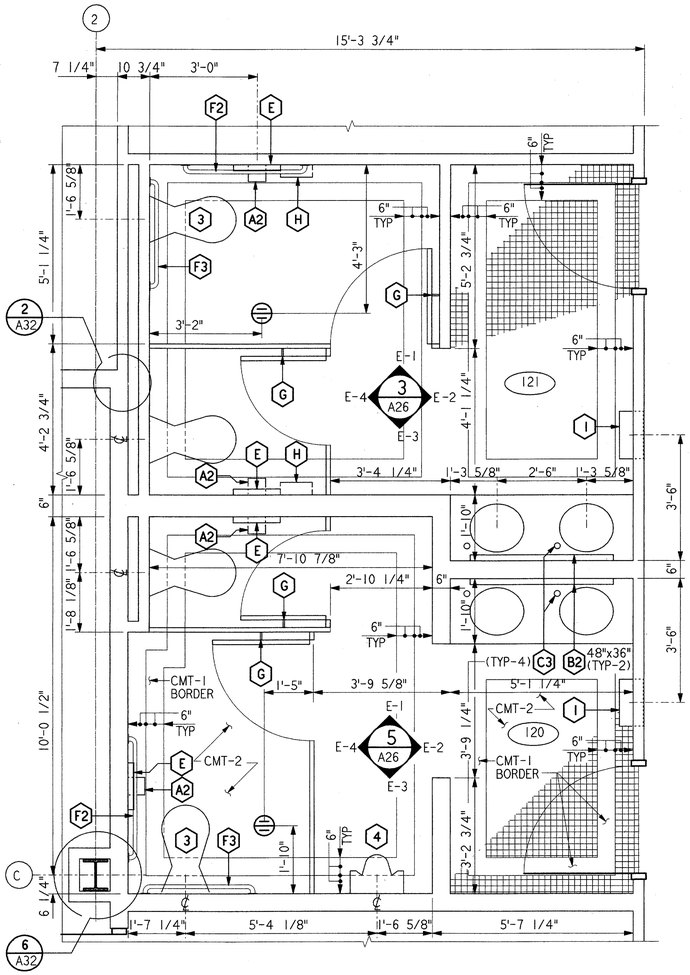
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A24

FILENAME: ADSIA024.DTT

REF. DWG.:

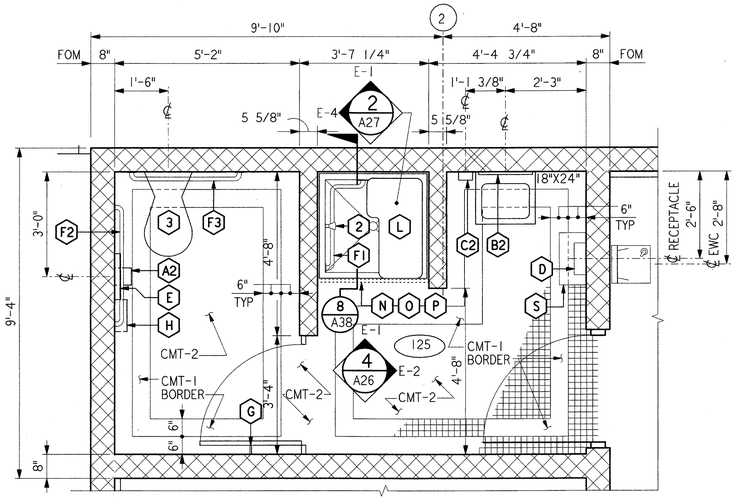
TOILET ACCESSORY LIST
(A) ROLL TISSUE HOLDER / SURFACE MOUNTED.
(B) FRAMED MIRROR WITH SHELF.
(C) SOAP DISPENSER / LAVATORY MOUNTED.
(R) TOWEL DISPENSER / WASTE RECEPTACLE -RECESSED MOUNTED.
VESTIBULE
J4
CORRIDOR
J1
RESTROOM
J3
2'-0"x2'-0" AL STORMPROOF LOUVER AT 7'-2 1/2" AFF
CMT-2
FD
5'-2 7/8"
1'-0"
5 3/8"
2'-6 1/8"
2'-6 1/2"
2'-7 1/2"
5'-6"
ENLARGED PLAN AT J3
1/2" = 1'-0"
REF A02
E-2
E-3
E-4
7'-0"
5'-11"
2'-10"
4'-0"
1'-6"
CM-1
CM-2
CMT-1
CMT-2
ELEVATIONS
1/2" = 1'-0"
3'-5"
LADDER AND OPNG
1'-1"
7"
9"
1'-10"
6", 20 GA MET TRACK TYP
6", 20 GA MET STUD, TYP
STEEL BAR RUNGS, 1" DIA WELD ALL AROUND AT ENDS
FASTENER
3/8"x2 1/2" BENT STEEL BAR BRACKETS
3/8"x2 1/2" BAR EA SIDE WELDED TO STRINGER
LADDER PLAN DETAIL
1 1/2" = 1'-0"
REF A02 A20
RECEPTION
103
18" DRAWERS BELOW
1'-8"
5'-10"
2'-6"
8'-3 5/8"
1'-6"
3'-7 5/8"
2'-6"
3'-7 5/8"
R 6"
5" DESK SPACER BETWEEN DRAWERS AND WALL
18" DRAWERS BELOW
1" PLYWD EDGE VENEER BRACKET, PAINT PT-3
(2) 1x4 WD LEDGER, PAINT PT-3 BOLT TO WD BLKGS
ENLARGED PLAN AT 103
1/2" = 1'-0"
REF A04
3/4" HIGH DENSITY PARTICLE BD W/ PLAM-1 FINISH
(2) LAYERS 3/4" HIGH DENSITY PARTICLE BD W/ PLAM-1 FINISH
1/2" RADIUS BULL NOSE TYP
ADHESIVE
1'-8"
6"
3/4" PLYWD PAINT PT-4
3'-6"
1'-0"
1x6 WD BLKG
2x4 WOOD STUDS AT 16" OC
1" PLYWOOD EDGE VENEER BRACKET, PAINT PT-3
3/4" PLYWD W/ PLAM-1 FINISH
1x4 WOOD BLOCKING, TYP
2x4 WOOD BLOCKING TYP
RUBBER BASE
2x4 PRESSURE TRTD WD SILL PL
1/2" ANCHOR BOLT AT 36" OC MAX START 12" FROM EACH END
1x6 WD BASE PAINT PT-4
4"
2'-6"
2'-5"
(2) 1x4 WOOD LEDGER, PAINT PT-3 BOLT TO WD BLOCKINGS
SECTION
1/2" = 1'-0"
SECTION
1/2" = 1'-0"
1 1/2" = 1'-0"
1/2" = 1'-0"
3'-0"
1'-0"
1'-0" MAX
1'-0" TYP
1/8" STL BENT PL CONT ACROSS DR THRESHOLD FASTEN TO STL CHANNELS, CONT PLATE UNDER AL THRESHOLD
3/8"x2 1/2" BAR STRINGERS PUNCH FOR 1" DIA RUNGS AND WELD RUNGS TO STRINGERS SPACE RUNGS 12" OC VERT, BOT RUNG SHALL BE NO MORE THAN 12" AFF
1" DIA STEEL RUNG
LADDER ELEVATION
1/2" = 1'-0"
REF A28
ELEVATIONS
1/2" = 1'-0"
18"
ELEVATIONS
1/2" = 1'-0"
A25
REV. DATE DESCRIPTION DFTG. CHECKED
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS
LOW ACTIVITY LEVEL AIRPORT TRAFFIC CONTROL TOWER
ENLARGED PARTIAL PLANS AND INTERIOR ELEVATIONS ATCT
ADDISON (ADDISON AIRPORT) TEXAS
SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:
ISSUED BY AIRWAY FACILITIES DIVISION
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A25
REF. DWG.:
PARSONS
DALLAS, TX
REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
6/22/01
FILENAME: ADS1A025.IET



ENLARGED PARTIAL PLAN/BASE BUILDING

1/2" = 1'-0"

1 / A26 REF A04



ENLARGED PARTIAL PLAN

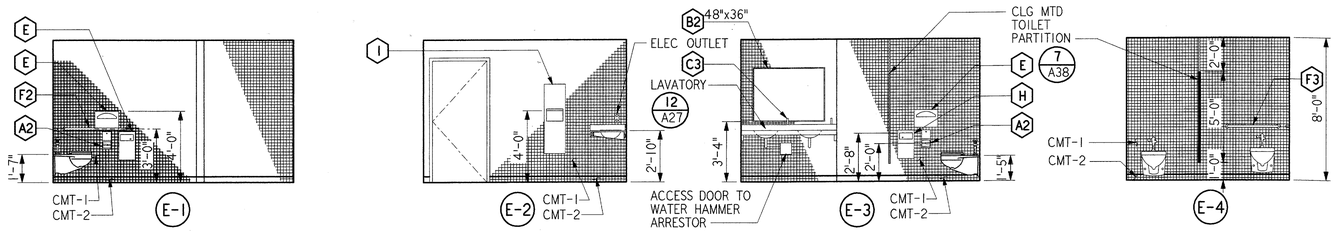
1/2" = 1'-0"

2 / A26 REF A04

PLUMBING FIXTURES AND TOILET ACCESSORIES LEGEND

- A2 SURFACE-MOUNTED DOUBLE ROLL TOILET TISSUE DISPENSER.
- B2 STAINLESS STEEL FRAMED MIRROR 48"X36" AND 18"X24".
- C2 SURFACE-MOUNTED SOAP DISPENSER. (LIQUID)
- C3 LAVATORY MOUNTED SOAP DISPENSER WITH UNDER-THE-COUNTER SOAP RESERVOIR
- D SURFACE-MOUNTED PAPER TOWEL DISPENSER
- E SURFACE-MOUNTED TOILET-SEAT-COVER DISPENSER.
- F1 HORIZONTAL TWO-WALL SHOWER COMPARTMENT GRAB BAR. 24"X36"
- F2 42" LONG I 1/2" DIA HORIZONTAL GRAB BAR
- F3 36" LONG I 1/2" DIA HORIZONTAL GRAB BAR
- G SINGLE ROBE/CLOTHES HOOK W/ CONCEALED MOUNTING.
- H SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL.
- I SEMI-RECESSED COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
- L FOLDING SHOWER SEAT.
- N SHOWER CURTAIN ROD W/ CONCEALED MOUNTING.
- O SHOWER CURTAIN HOOK
- P VINYL SHOWER CURTAIN
- S SURFACE MOUNTED WASTE RECEPTACLE

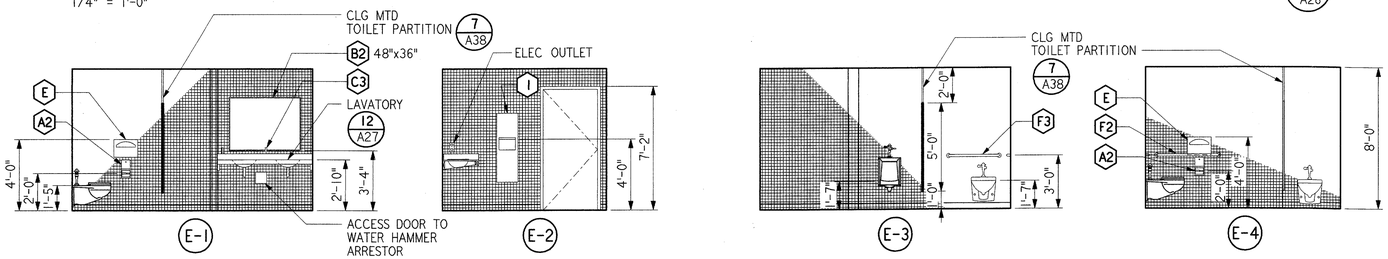
- 2 HAND-HELD SHOWER HEAD ON 60" HOSE.
- 3 WATER CLOSET (HANDICAP ACCESSIBLE).
- 4 URINAL (HANDICAP ACCESSIBLE).



ELEVATION

1/4" = 1'-0"

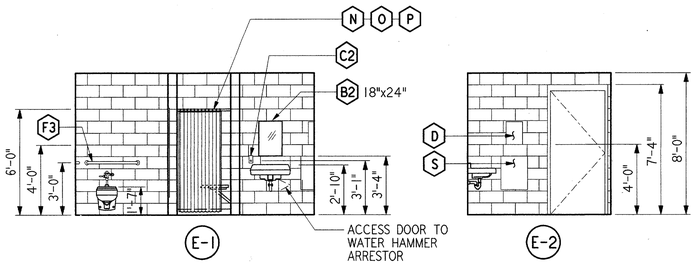
WOMEN'S TOILET ROOM 121 — 3 / A26



ELEVATION

1/4" = 1'-0"

MEN'S TOILET ROOM 120 — 5 / A26



ELEVATION

1/4" = 1'-0"

TOILET/SHOWER ROOM 125 — 4 / A26

12" 6" 0 1' 2' 3' 4' 5'

1/2" = 1'-0"

4' 2' 0 4' 8'

1/4" = 1'-0"

A26

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ENLARGED PARTIAL PLANS AND INTERIOR ELEVATIONS BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

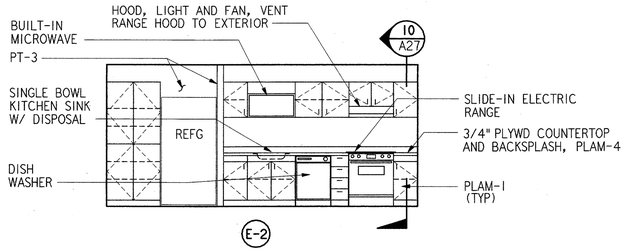
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

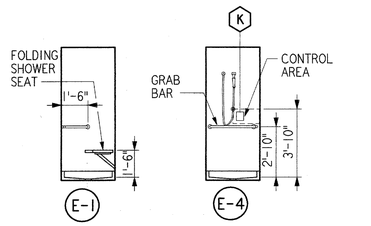
DRAWING NUMBER: ADS-ATCT- A26

REF. DWG.:

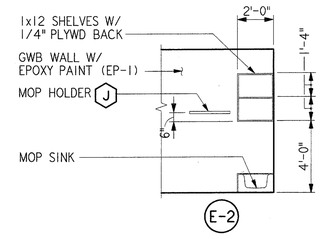
FILENAME: ADS\A026.IET



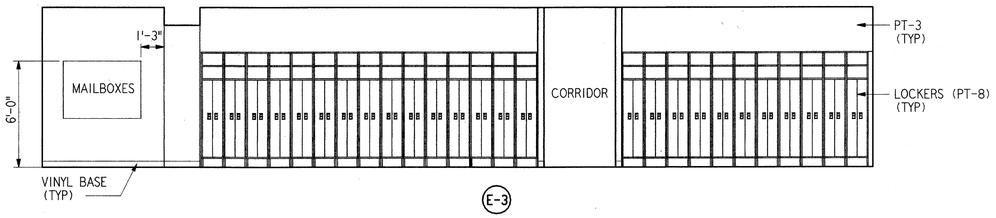
ELEVATION — BREAK ROOM 108 — 1/A27 — REF A37
1/4 " = 1'-0"



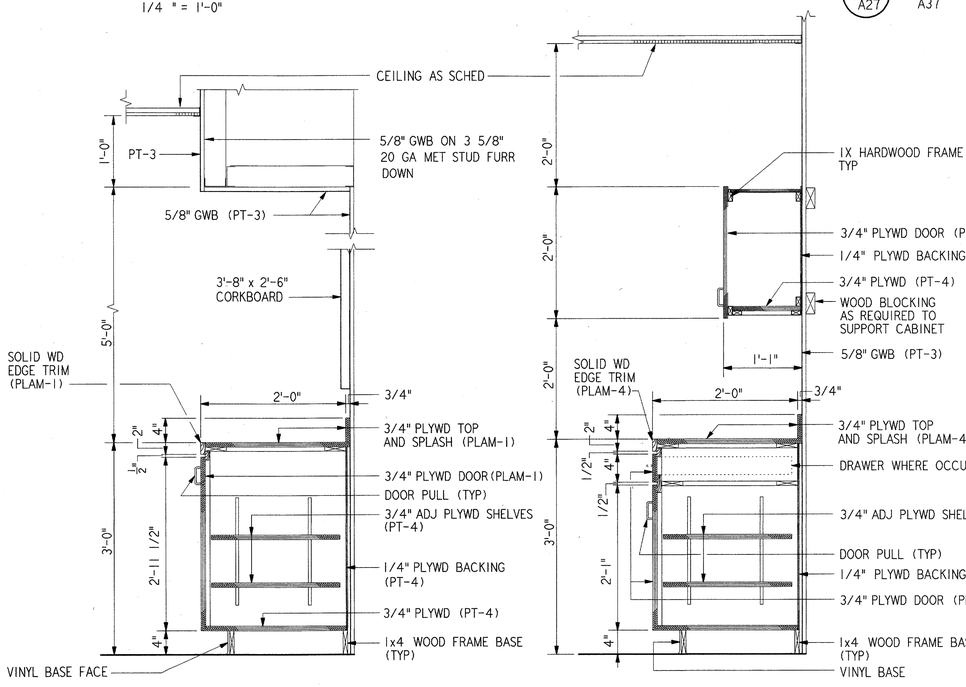
ELEVATION — TOILET/SHOWER 125 — 2/A27 — REF A26
1/4" = 1'-0"



ELEVATION — JANITOR CLOSET 109 — 3/A27 — REF A37
1/4" = 1'-0"

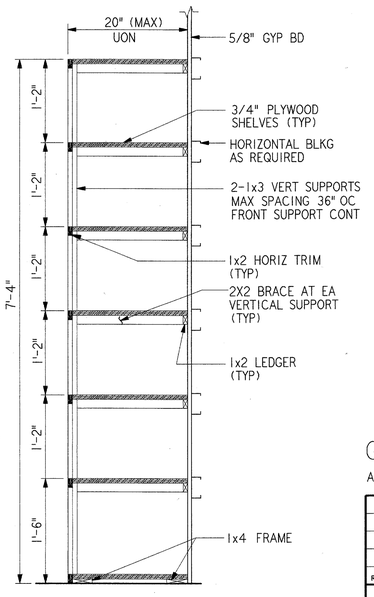


ELEVATION — CORRIDOR 110 — 5/A27 — REF A37
1/4 " = 1'-0"

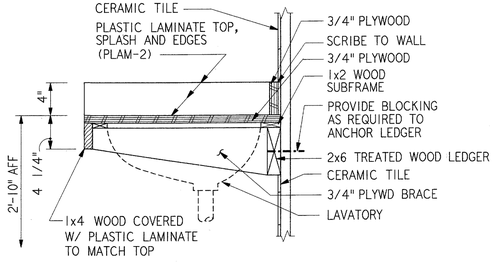


CABINET SECTION — 9/A27 — REF A12
1" = 1'-0"

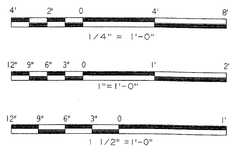
BREAK RM CABINET SECTION — 10/A27
1" = 1'-0"



SHELF SECTION — 11/A27 — REF A37
1" = 1'-0"



LAVATORY COUNTER — 12/A27 — REF A25 A26
11/2" = 1'-0"



GENERAL NOTE:

ALL GYPSUM WALLBOARD SHALL BE TYPE "X" FIRE RATED.

NOTE:

PAINT SHELF PT-6.

A27

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT — JAMES E. HARPER — 18725 — STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

INTERIOR ELEVATIONS AND DETAILS BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

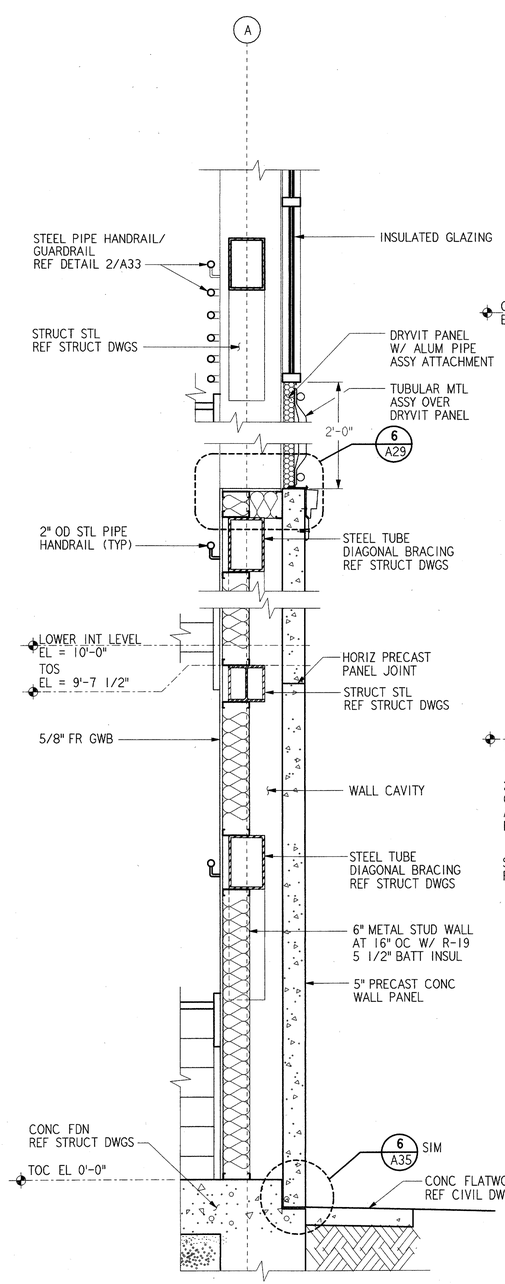
SUBMITTED: SYSTEMS ENGINEER, ANI-640	APPROVED: MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: GARY WILLIAMS	ISSUED BY: AIRWAY FACILITIES DIVISION
REVIEWED: A. AMBARDEKAR	DATE: 06-22-01
ORIG. DFT.: E. DANE	DRAWING NUMBER: ADS-ATCT- A27
FACILITY:	

REF. DWG.:

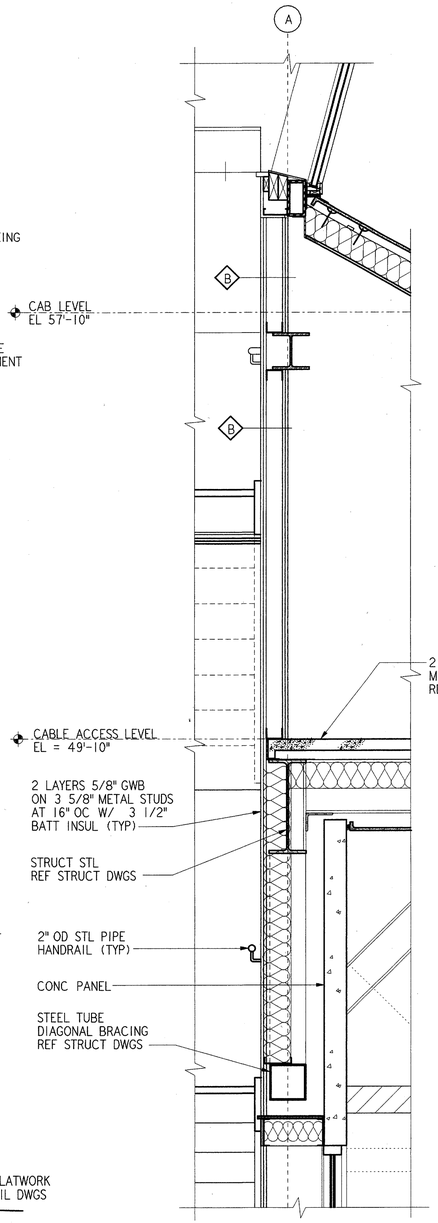
FILENAME: ADSIA027.IET

GENERAL NOTES:

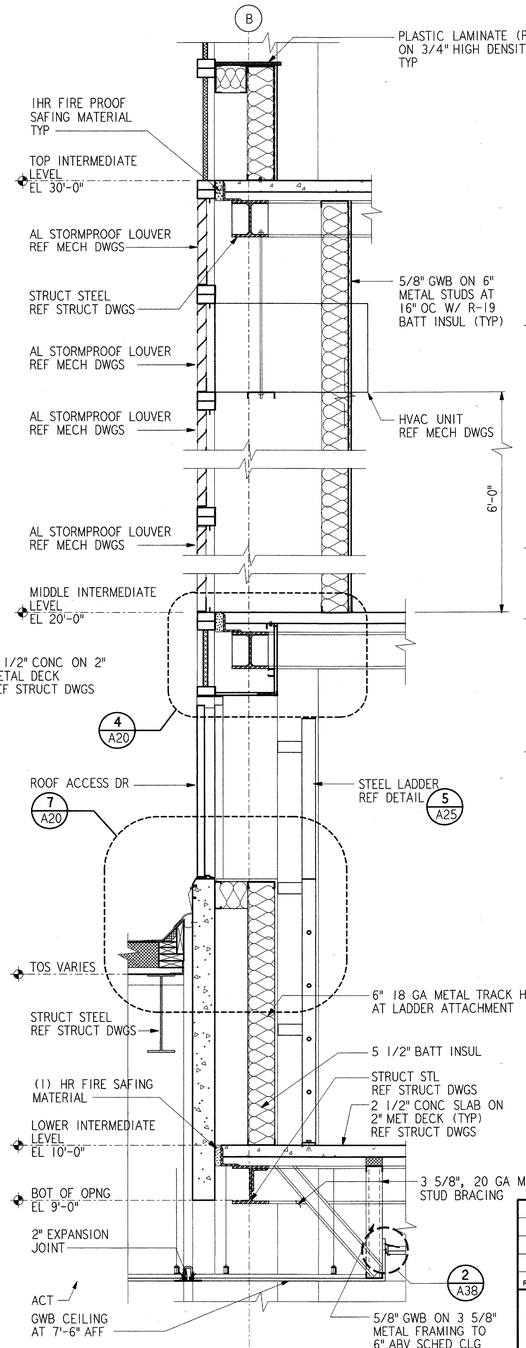
1. PROVIDE 1 HOUR INTUMESCENT FIREPROOFING AT ALL STRUCTURAL STEEL AT TOWER. APPLY DECORATIVE TOPCOAT WHERE EXPOSED TO VIEW. PROVIDE 1 HOUR CEMENTITIOUS FIREPROOFING AT ALL METAL DECKING AT TOWER UNLESS OTHERWISE NOTED.
2. ALL GYPSUM WALLBOARD SHALL BE TYPE "X" FIRE RATED.



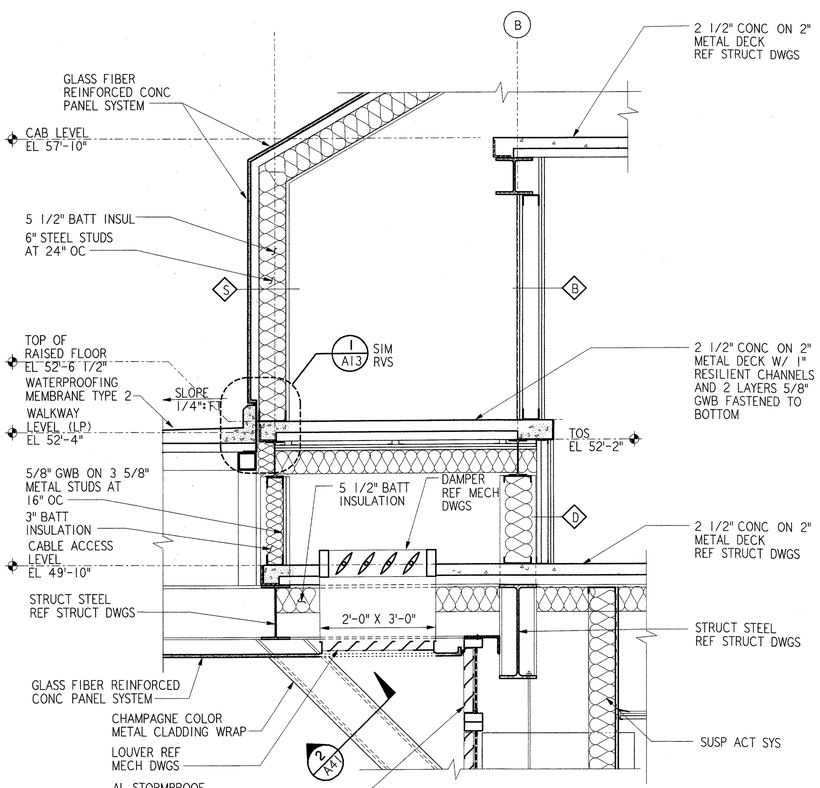
WALL SECTION 1 A28 REF A09
3/4" = 1'-0"



WALL SECTION 2 A28 REF A09
3/4" = 1'-0"



WALL SECTION 3 A28 REF A02 A09
3/4" = 1'-0"



WALL SECTION 4 A28 REF A09 A38
3/4" = 1'-0"

12" 6" 0 1' 2' 3'
3/4" = 1'-0"

A28

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 18725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

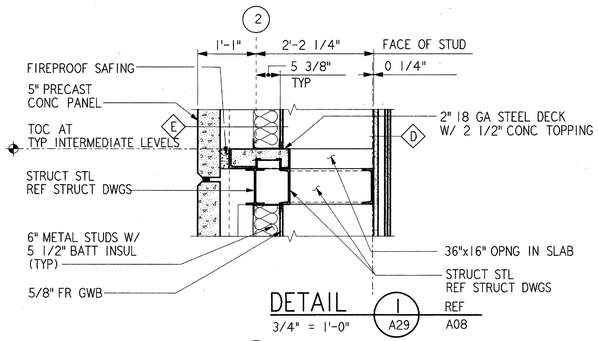
WALL SECTIONS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

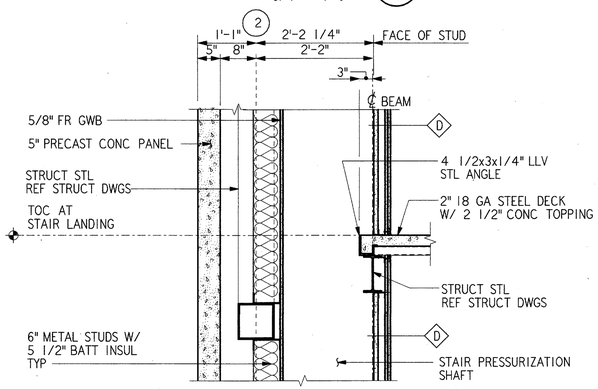
SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:
ISSUED BY AIRWAY FACILITIES DIVISION
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A28

REF. DWG.:

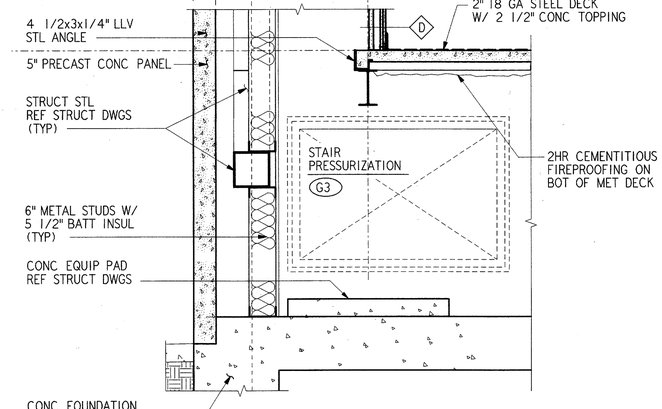
FILENAME: ADS\A028.WST



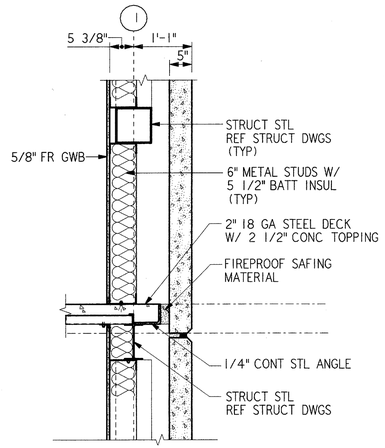
DETAIL 1 / A29 — REF A08
3/4" = 1'-0"



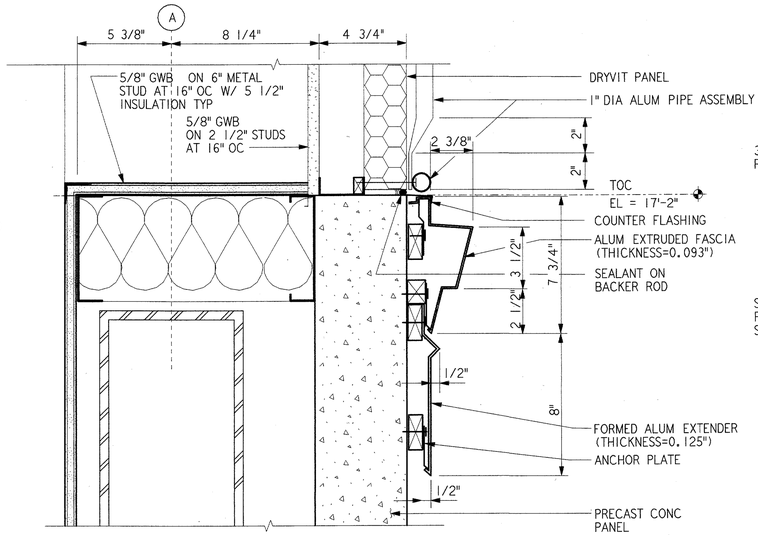
DETAIL 2 / A29 — REF A08
3/4" = 1'-0"



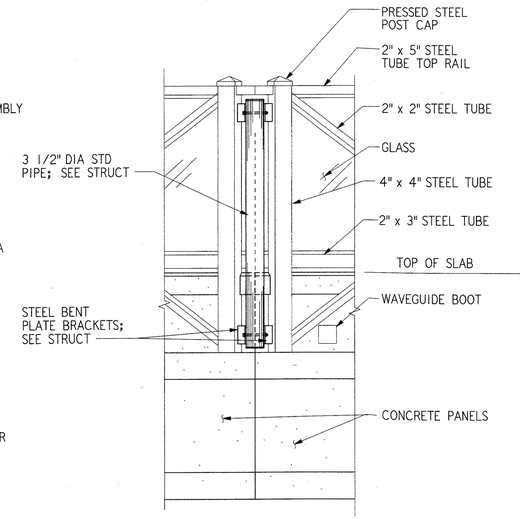
DETAIL 3 / A29 — REF A08
3/4" = 1'-0"



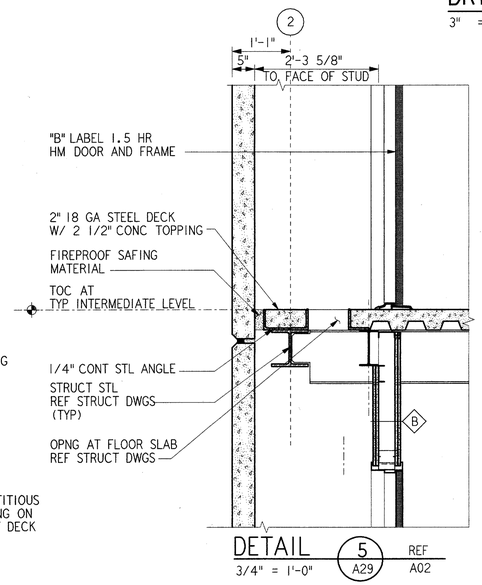
DETAIL 4 / A29 — REF A08
3/4" = 1'-0"



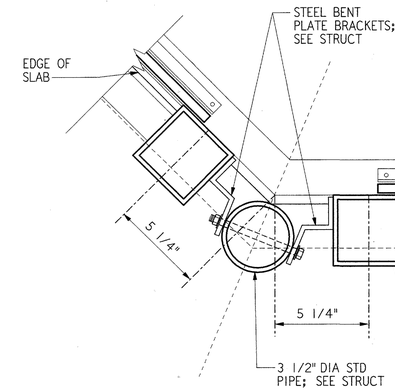
DRYVIT PANEL SILL 6 / A29 — REF A07, A28
3" = 1'-0"



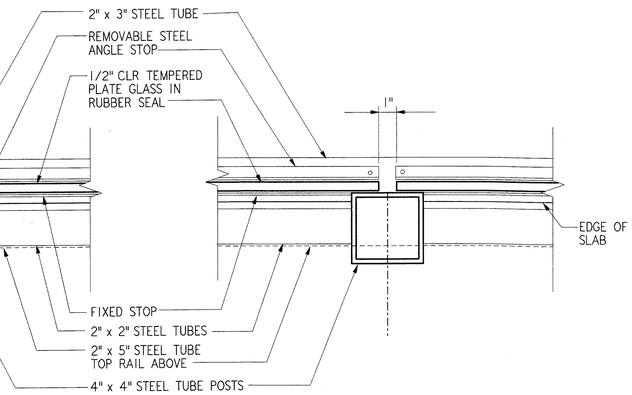
ELEVATION 9 / A29 — REF A07
3/4" = 1'-0"



DETAIL 5 / A29 — REF A02
3/4" = 1'-0"



DETAIL 7 / A29 — REF A03
3" = 1'-0"



DETAIL 8 / A29 — REF A03
3" = 1'-0"

12" 9" 6" 3" 0
3"=1'-0"

12" 6" 0 1' 2' 3'
3/4" = 1'-0"

A29

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

WALL SECTIONS AND DETAILS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

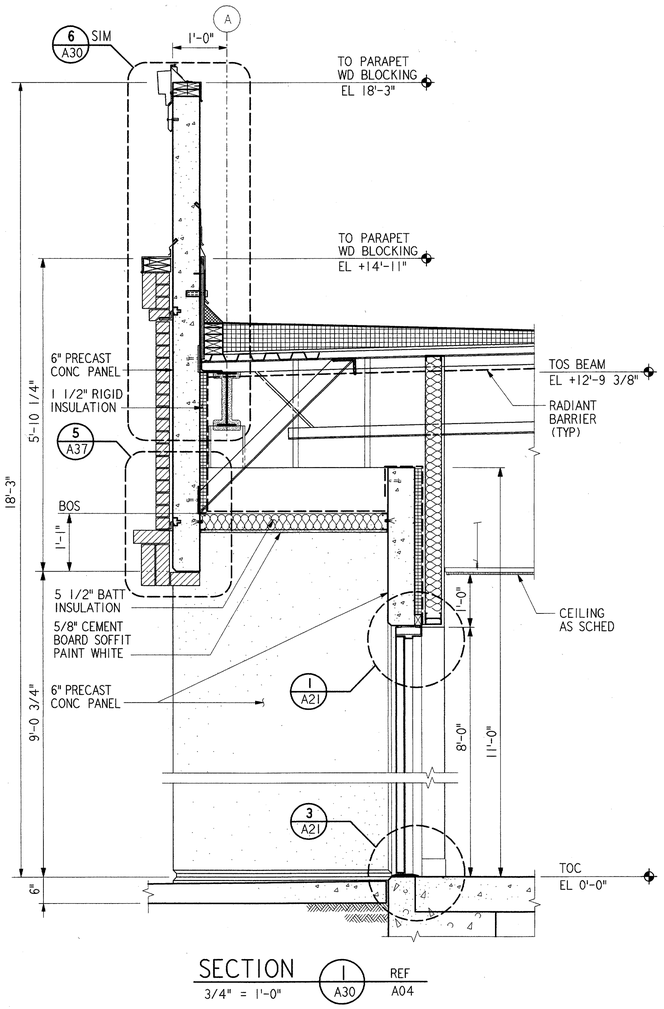
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

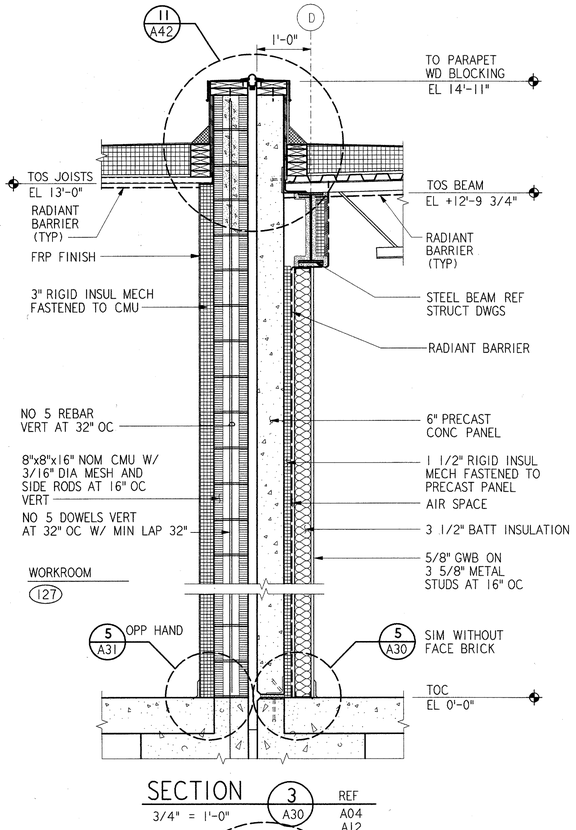
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A29

REF. DWG.:

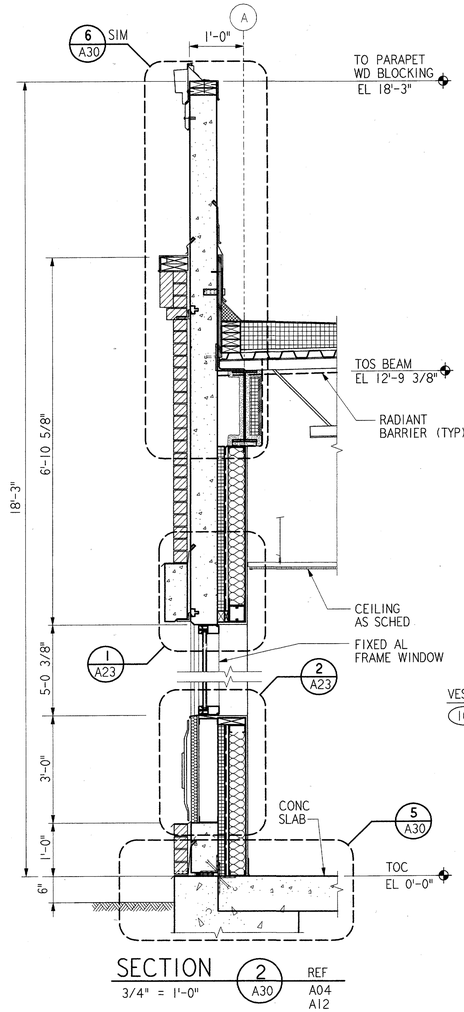
FILENAME: ADS\A029.WST



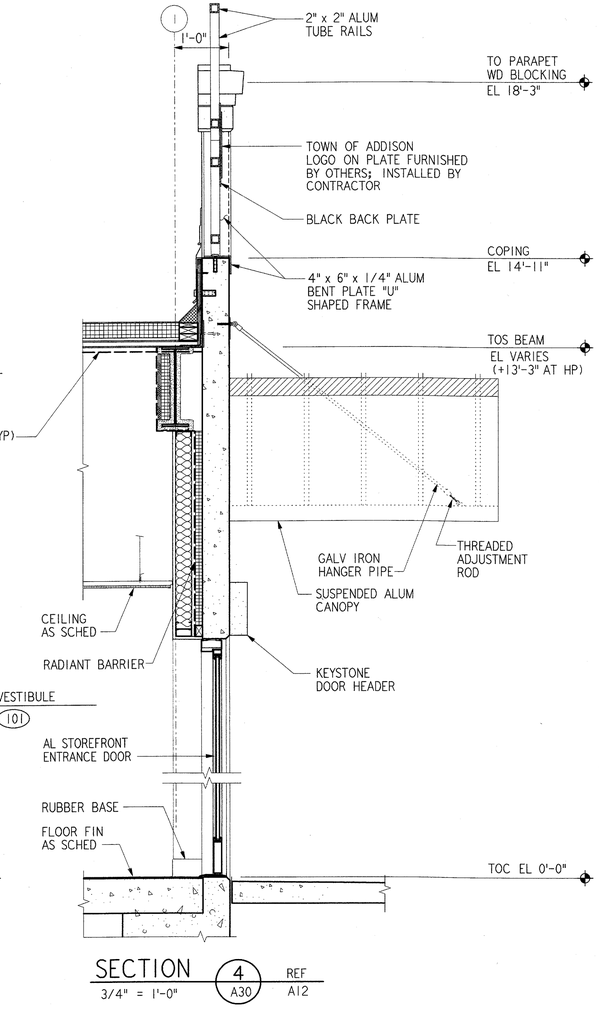
SECTION 1 A30 REF A04
3/4" = 1'-0"



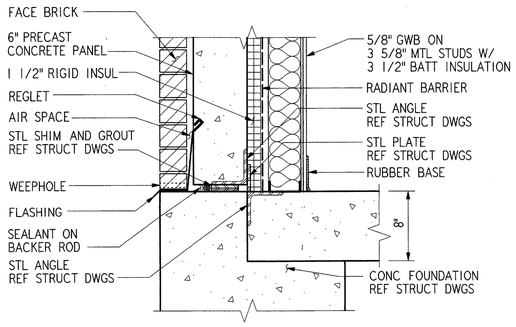
SECTION 3 A30 REF A04 A12
3/4" = 1'-0"



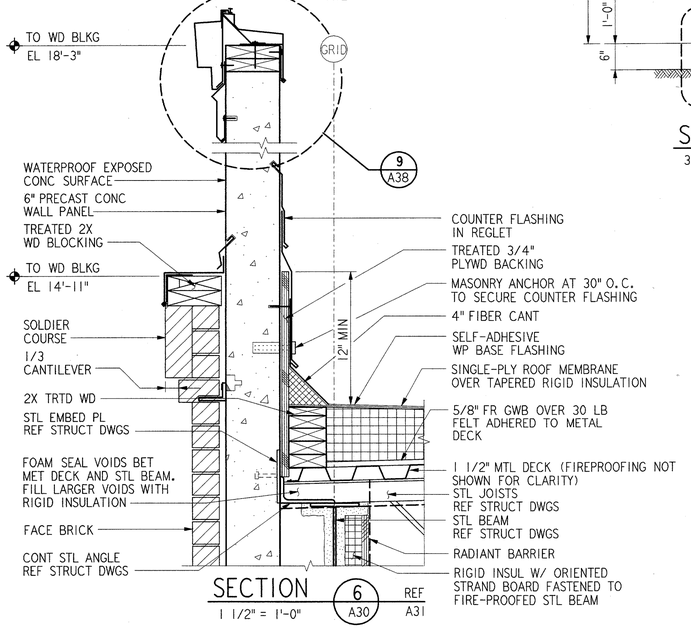
SECTION 2 A30 REF A04 A12
3/4" = 1'-0"



SECTION 4 A30 REF A12
3/4" = 1'-0"



SECTION 5 A30 REF A31
1 1/2" = 1'-0"



SECTION 6 A30 REF A31
1 1/2" = 1'-0"

12" 9" 6" 3" 0 1'
1 1/2" = 1'-0"

12" 6" 0 1' 2' 3'
3/4" = 1'-0"

A30

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James C. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

WALL SECTIONS AND DETAILS BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, AN1-640
APPROVED: MANAGER TERMINAL PLATFORM, AN1-640

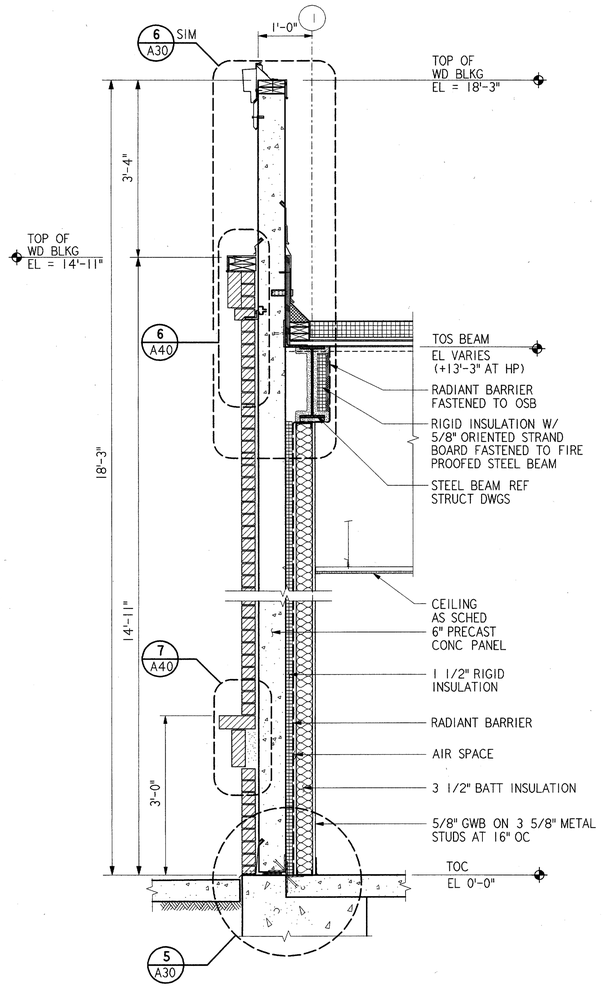
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

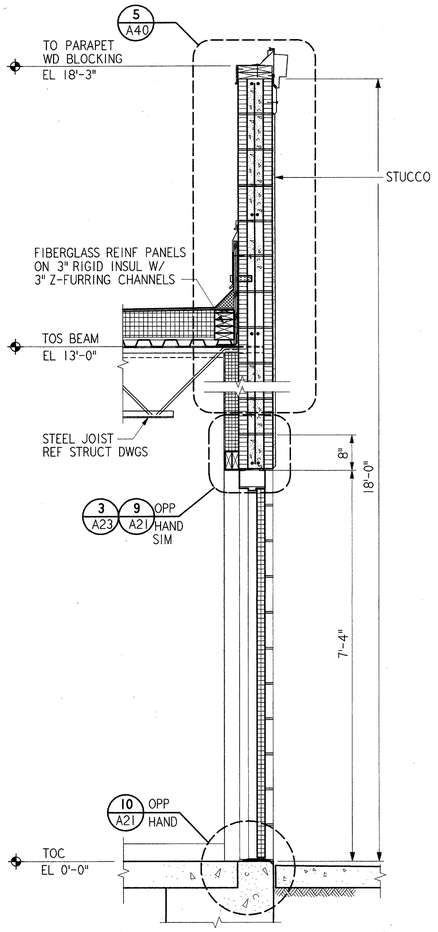
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A30

REF. DWG.:

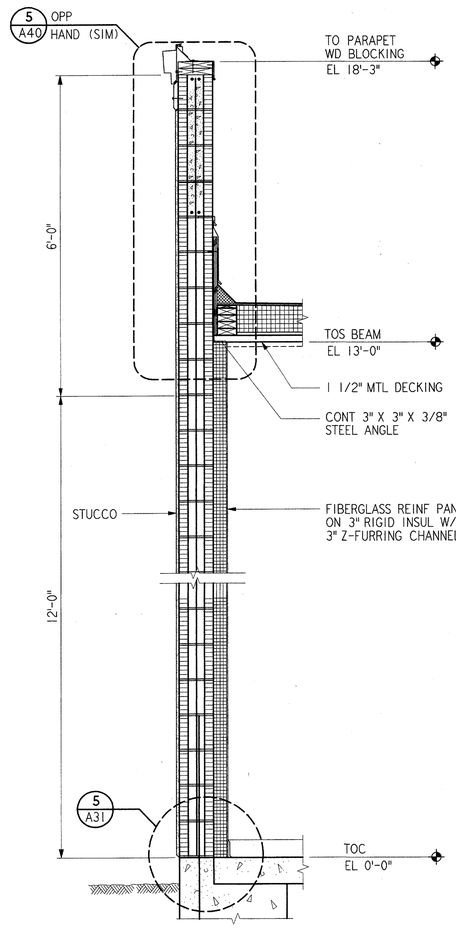
FILENAME: ADSA030.WST



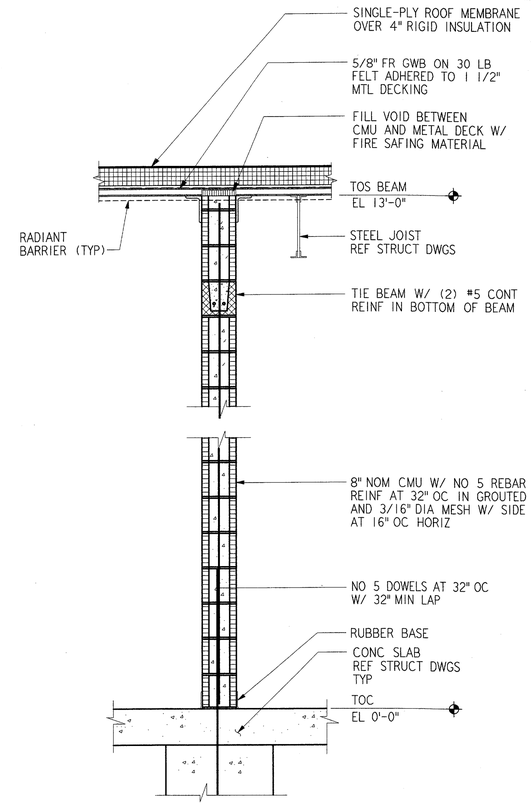
SECTION 1 / 3/4" = 1'-0" — REF A31: A04, A12



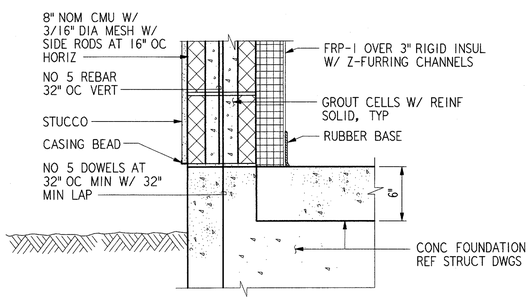
SECTION 2 / 3/4" = 1'-0" — REF A31: A04



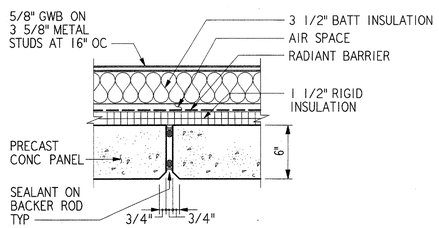
SECTION 3 / 3/4" = 1'-0" — REF A31: A04, A12



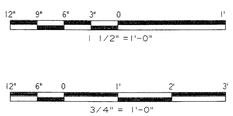
SECTION 4 / 3/4" = 1'-0" — REF A31: A04, A12



DETAIL 5 / 1 1/2" = 1'-0" — REF A31: A30



TYP VERTICAL PRECAST JOINT 6 / 1 1/2" = 1'-0" — REF A31: A10, A11



A31

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

WALL SECTIONS AND DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

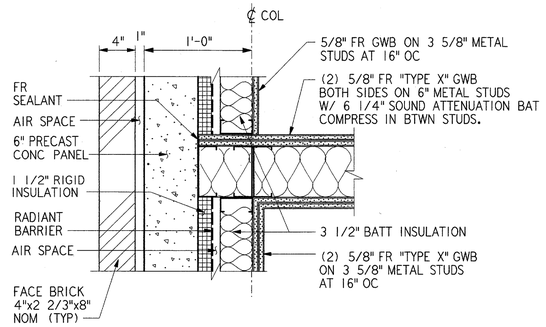
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

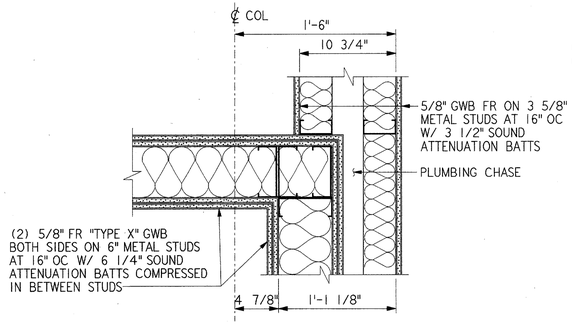
ISSUED BY AIRWAY FACILITIES DIVISION

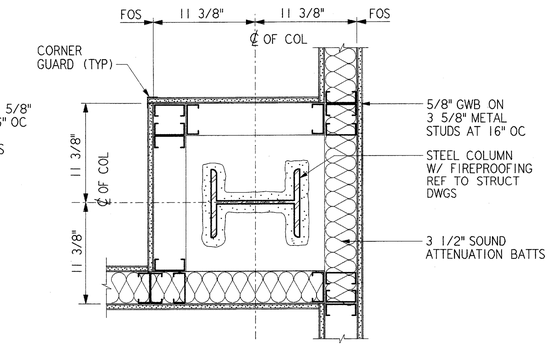
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A31

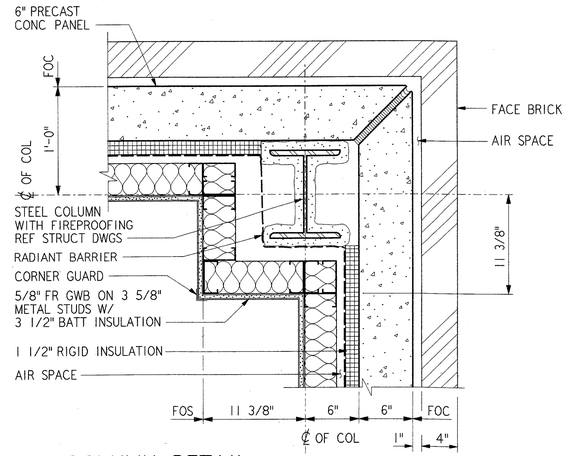
REF. DWG.:

FILENAME: ADS\A031.WST



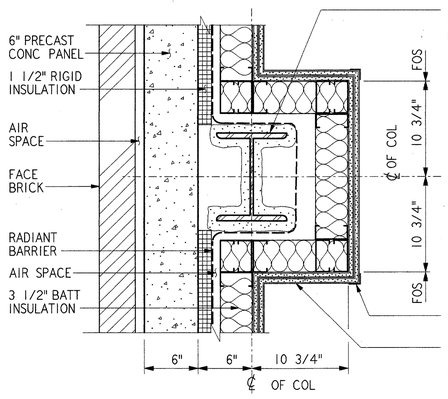






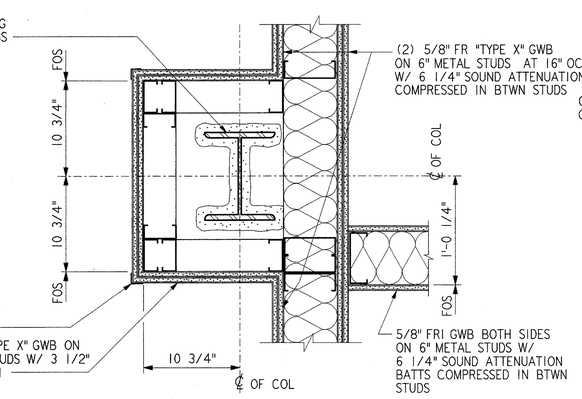
COLUMN DETAIL 1 — REF A32/A04

1 1/2" = 1'-0"



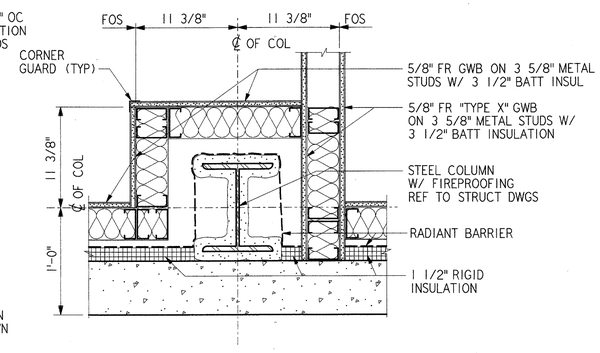
COLUMN DETAIL 2 — REF A32/A26

1 1/2" = 1'-0"



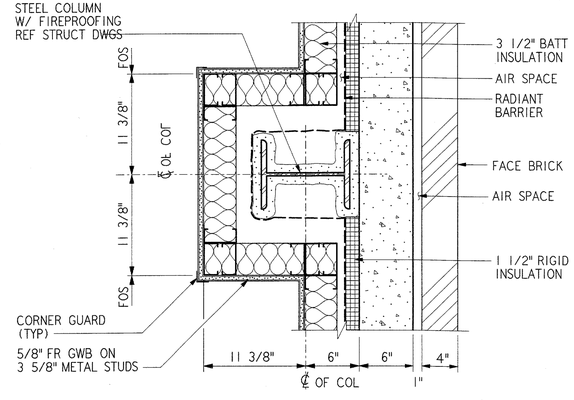
COLUMN DETAIL 3 — REF A32/A04

1 1/2" = 1'-0"



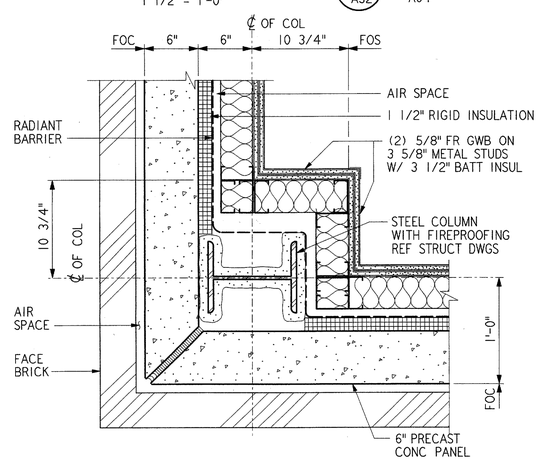
COLUMN DETAIL 4 — REF A32/A04

1 1/2" = 1'-0"



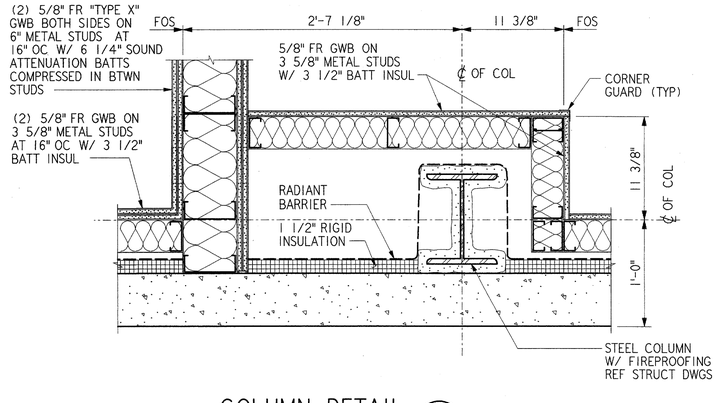
COLUMN DETAIL 5 — REF A32/A04

1 1/2" = 1'-0"



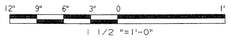
COLUMN DETAIL 6 — REF A32/A26

1 1/2" = 1'-0"



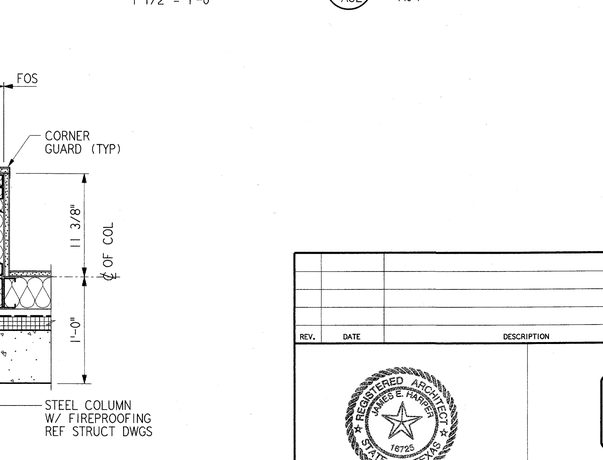
COLUMN DETAIL 10 — REF A32/A04

1 1/2" = 1'-0"



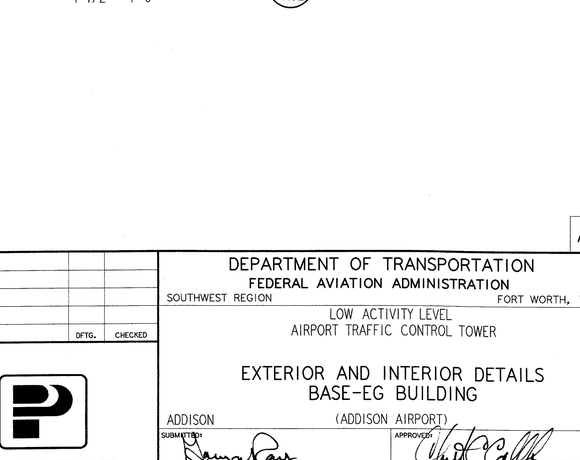
WALL DETAIL 7 — REF A32/A04

1 1/2" = 1'-0"



COLUMN DETAIL 8 — REF A32/A04

1 1/2" = 1'-0"



A32

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

EXTERIOR AND INTERIOR DETAILS
BASE-EG BUILDING

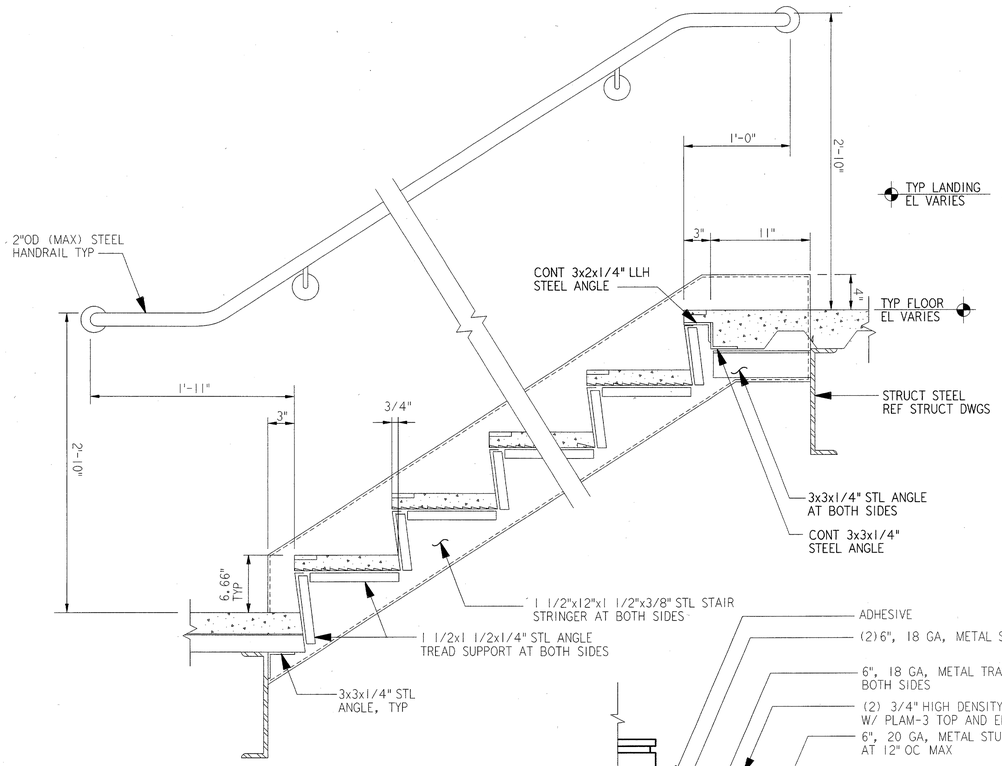
ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

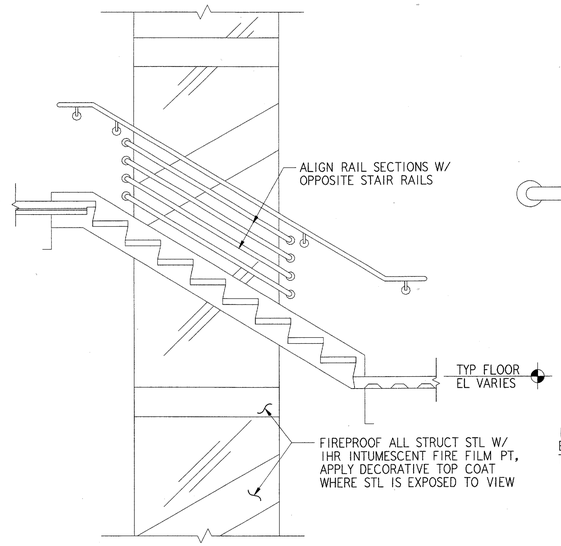
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:
ISSUED BY AIRWAY FACILITIES DIVISION
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A32

FILENAME: ADSIA032.DTT

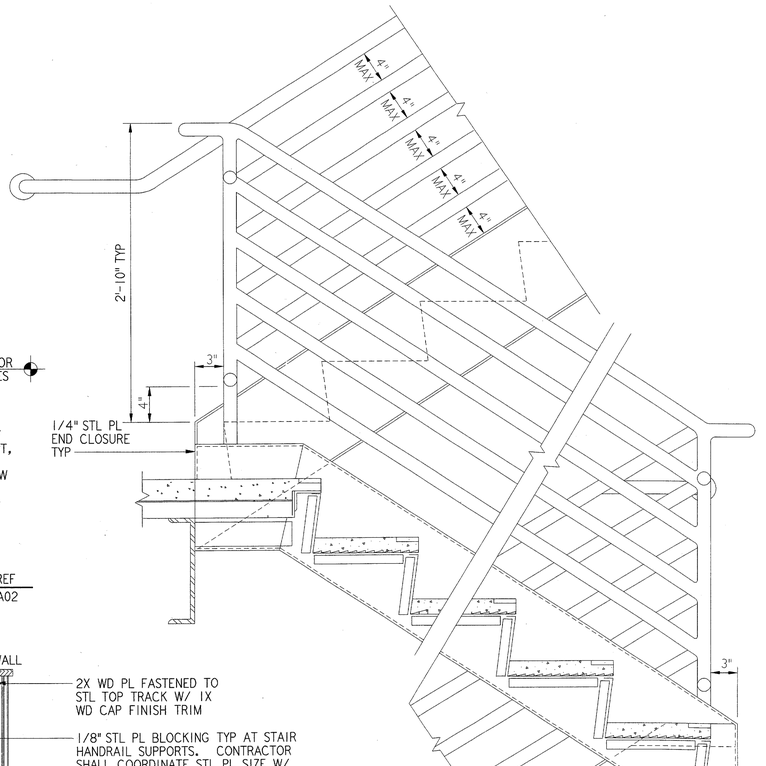
REF. DWG.:

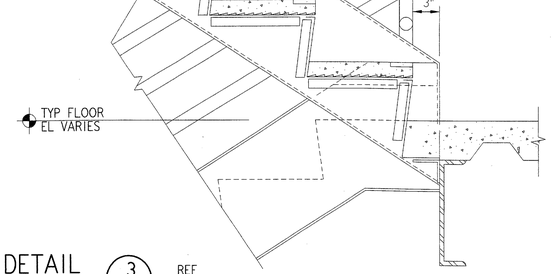


DETAIL 1 (A33) REF A08
1 1/2" = 1'-0"

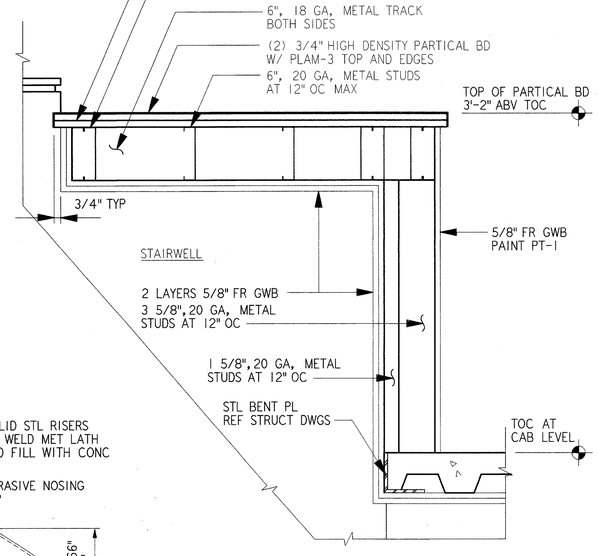


INTERIOR ELEVATION AT STAIR 2 (A33) REF A02
1/2" = 1'-0"

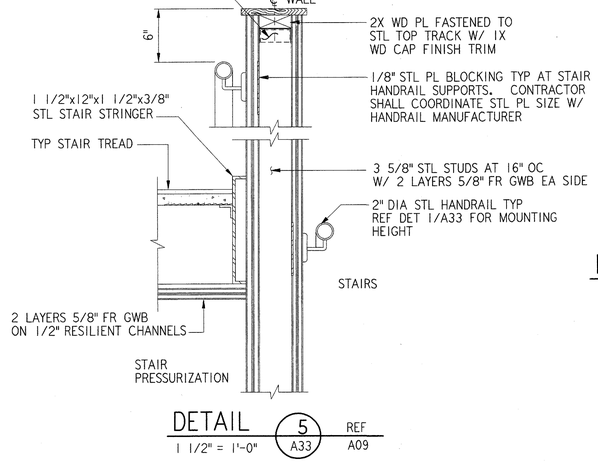




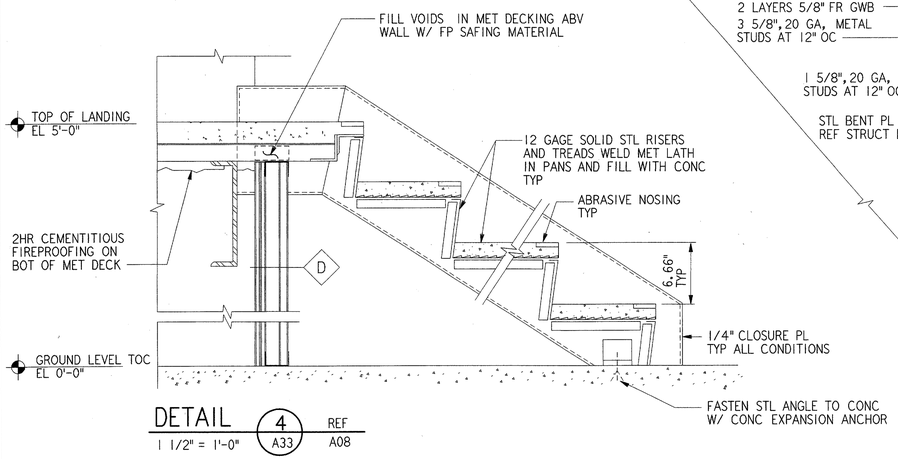
DETAIL 3 (A33) REF A08
1 1/2" = 1'-0"



DETAIL 6 (A33) REF A08
1 1/2" = 1'-0"



DETAIL 5 (A33) REF A09
1 1/2" = 1'-0"



DETAIL 4 (A33) REF A08
1 1/2" = 1'-0"

12" 9" 6" 3" 0 1'
1 1/2" = 1'-0"

A33

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER STATE OF TEXAS 16725
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

STAIR DETAILS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

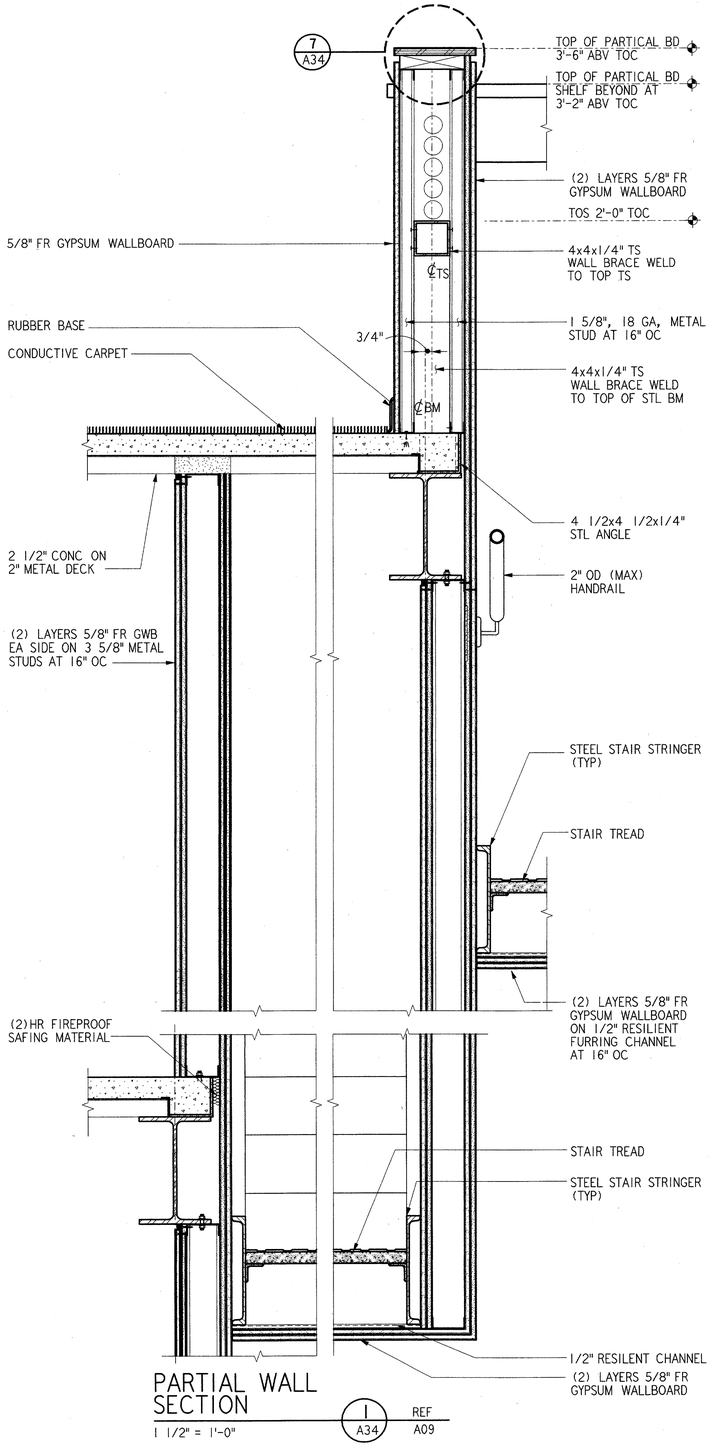
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

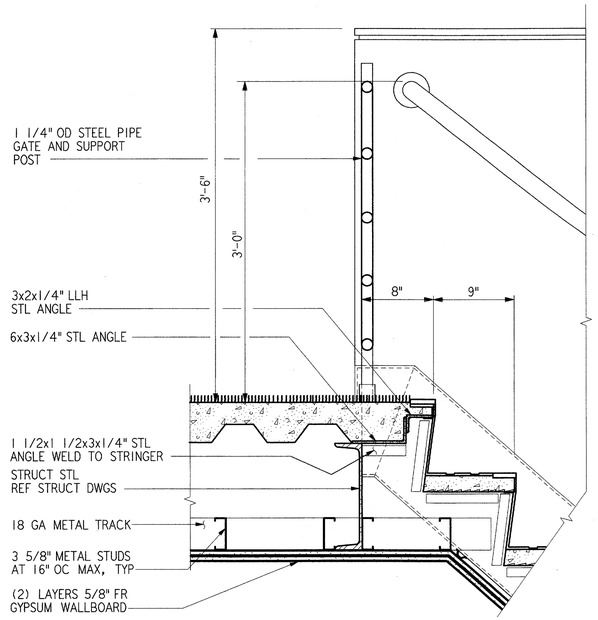
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A33

REF. DWG.:

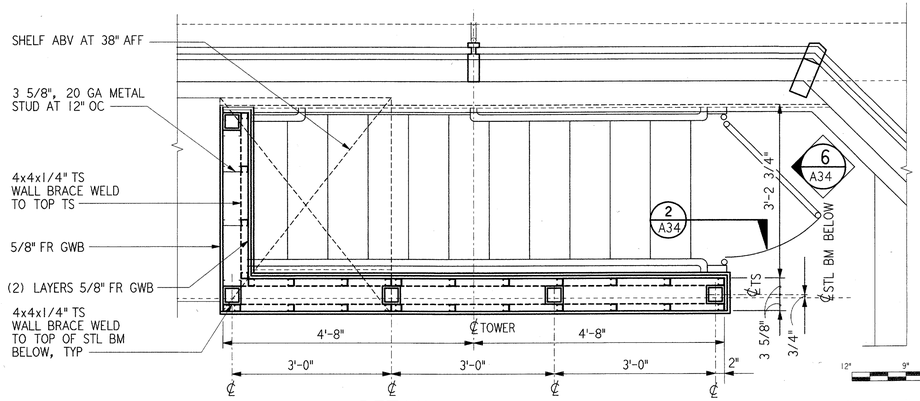
FILENAME: ADS\A033.STT



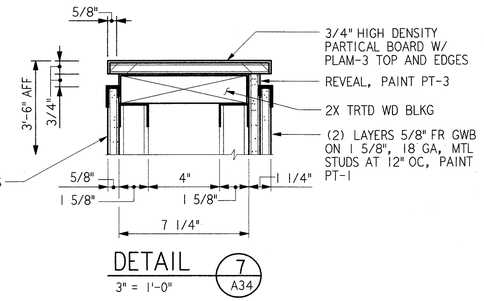
PARTIAL WALL SECTION 1 A34 REF A09
1 1/2" = 1'-0"



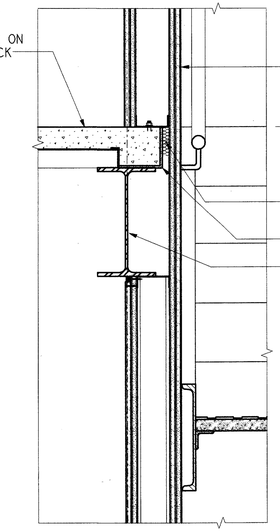
SECTION 2 A34 REF A08
1 1/2" = 1'-0"



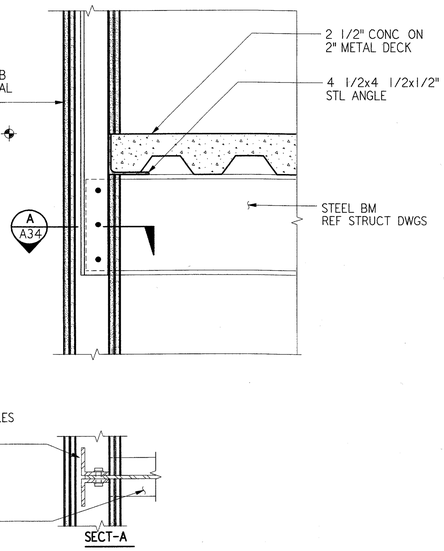
DETAIL 5 A34 REF A03
3/4" = 1'-0"



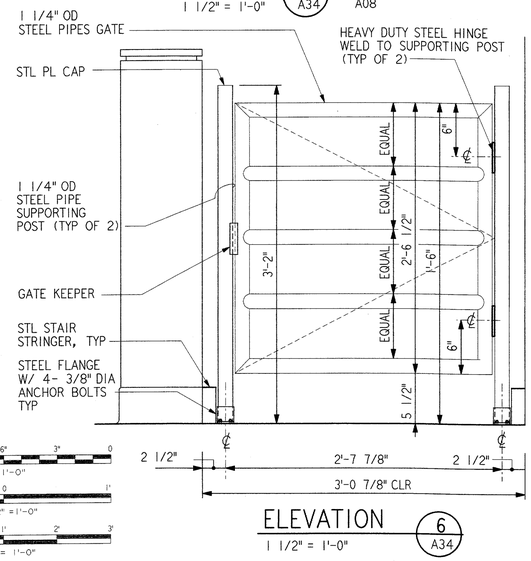
DETAIL 7 A34
3" = 1'-0"



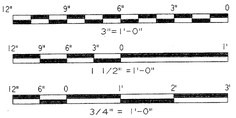
DETAIL 3 A34 REF A09
1 1/2" = 1'-0"



DETAIL 4 A34 REF A08
1 1/2" = 1'-0"



ELEVATION 6 A34
1 1/2" = 1'-0"



A34

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER STATE OF TEXAS 16775
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

STAIR DETAILS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

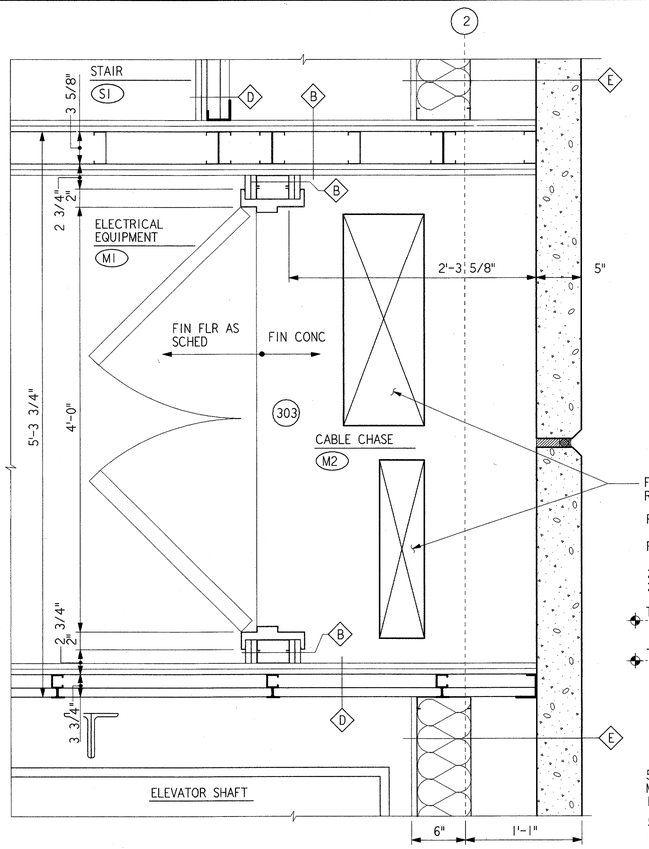
DATE: 06-22-01
ISSUED BY AIRWAY FACILITIES DIVISION
DRAWING NUMBER: ADS-ATCT- A34

FILENAME: ADS\A034.STT

REF. DWG.:

GENERAL NOTES:

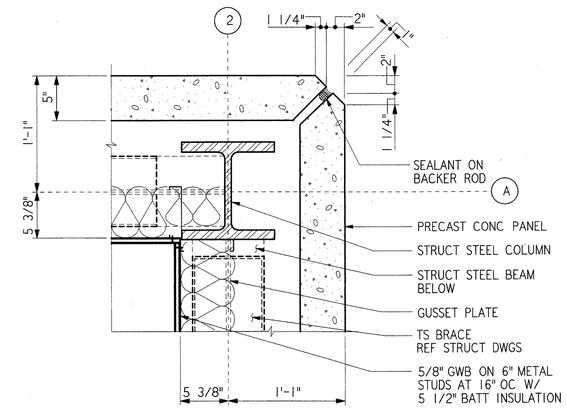
1. ALL GYPSUM WALLBOARD SHALL BE TYPE "X" FIRE RATED



ENLARGED PLAN AT CABLE CHASE

1 1/2" = 1'-0"

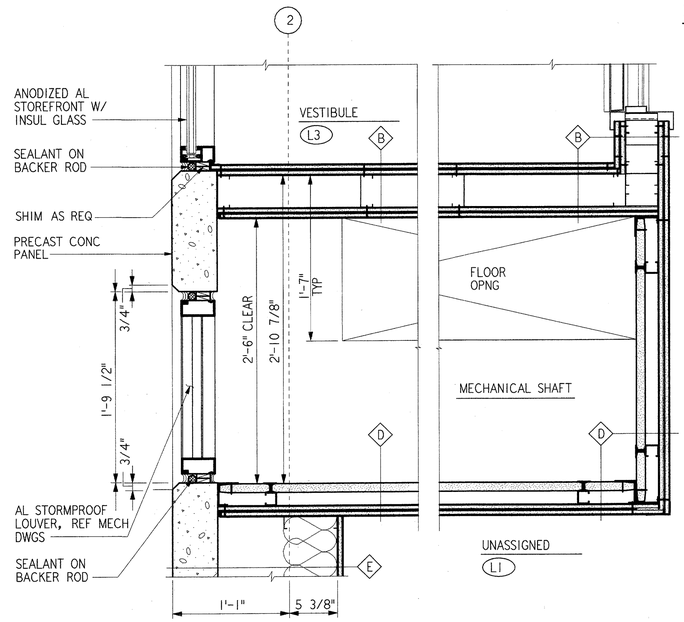
1 / A35 — REF A02



TYP CORNER DETAIL

1 1/2" = 1'-0"

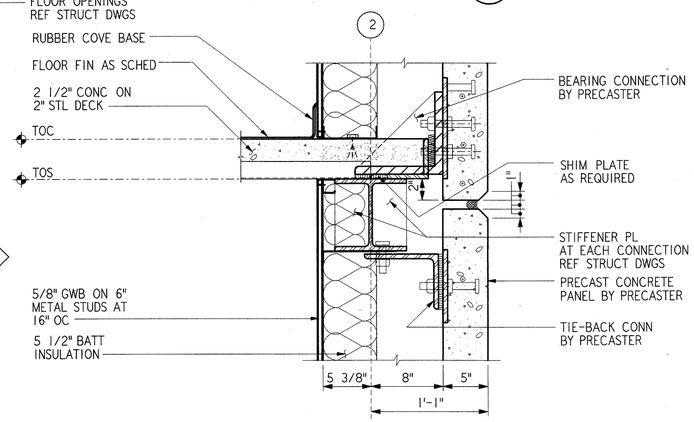
2 / A35 — REF A02



ENLARGED PLAN AT MECH SHAFT

1 1/2" = 1'-0"

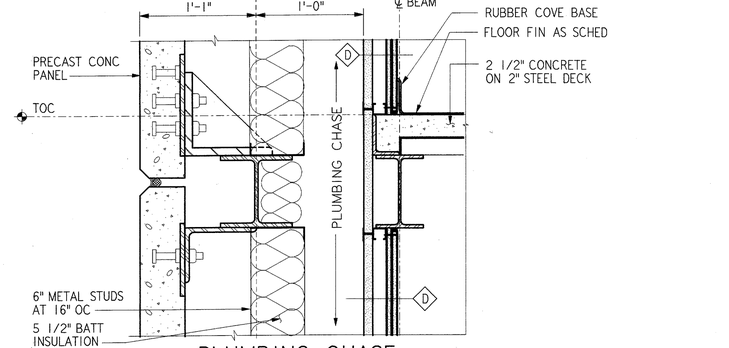
3 / A35 — REF A02



TYP EXTERIOR WALL SECTION

1 1/2" = 1'-0"

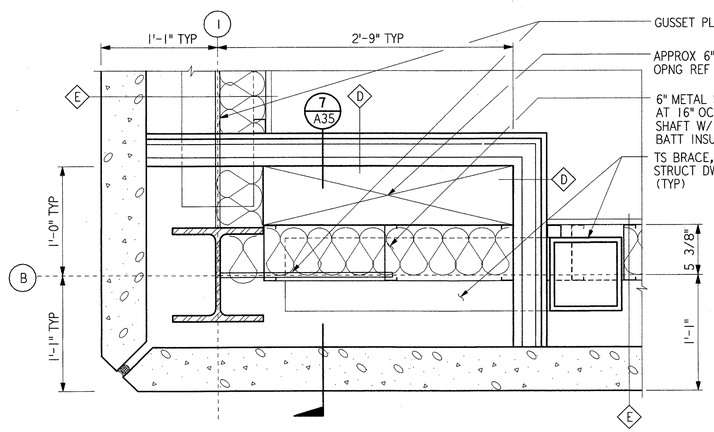
4 / A35 — REF A02



PLUMBING CHASE WALL SECTION

1 1/2" = 1'-0"

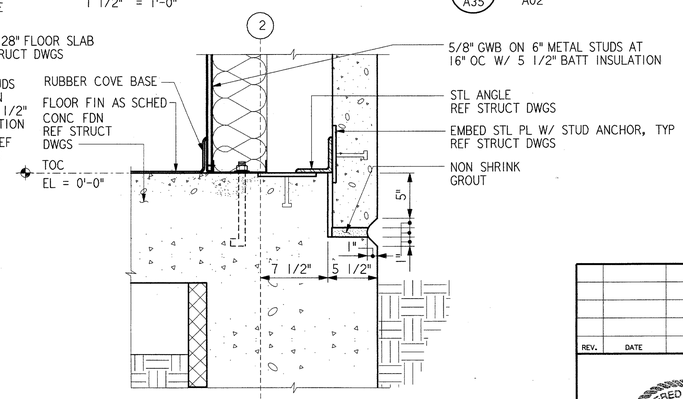
7 / A35



ENLARGED PLAN AT TYP PLUMBING CHASE

1 1/2" = 1'-0"

5 / A35 — REF A02



TYP EXTERIOR WALL SECTION

1 1/2" = 1'-0"

6 / A35 — REF A02 A08 A28

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

A35

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

EXTERIOR DETAILS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

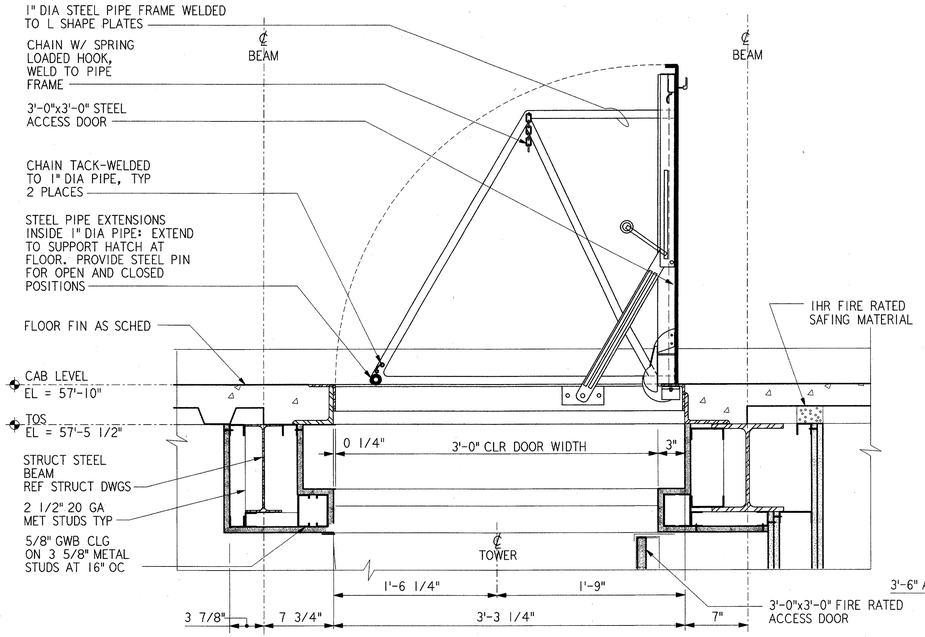
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A35

REF. DWG.:

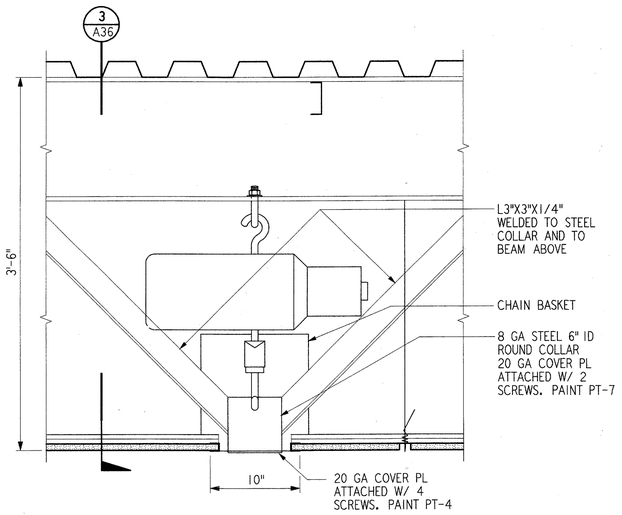
FILENAME: ADS\A035.DIT



FLOOR AND CEILING DOORS AT CAB LEVEL

1 1/2" = 1'-0"

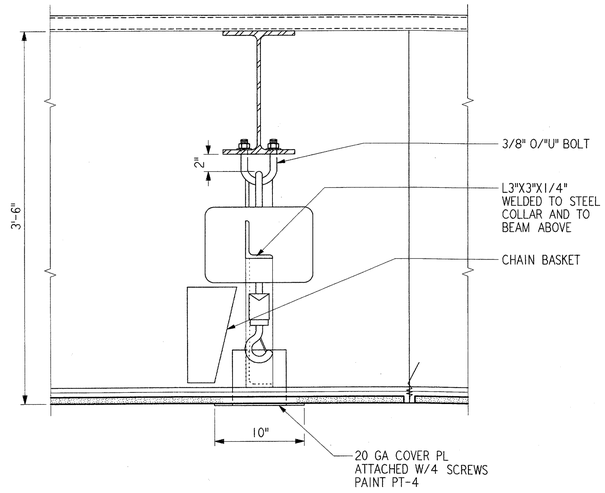
1 A36 REF A09 A15



HOIST DETAIL

1 1/2" = 1'-0"

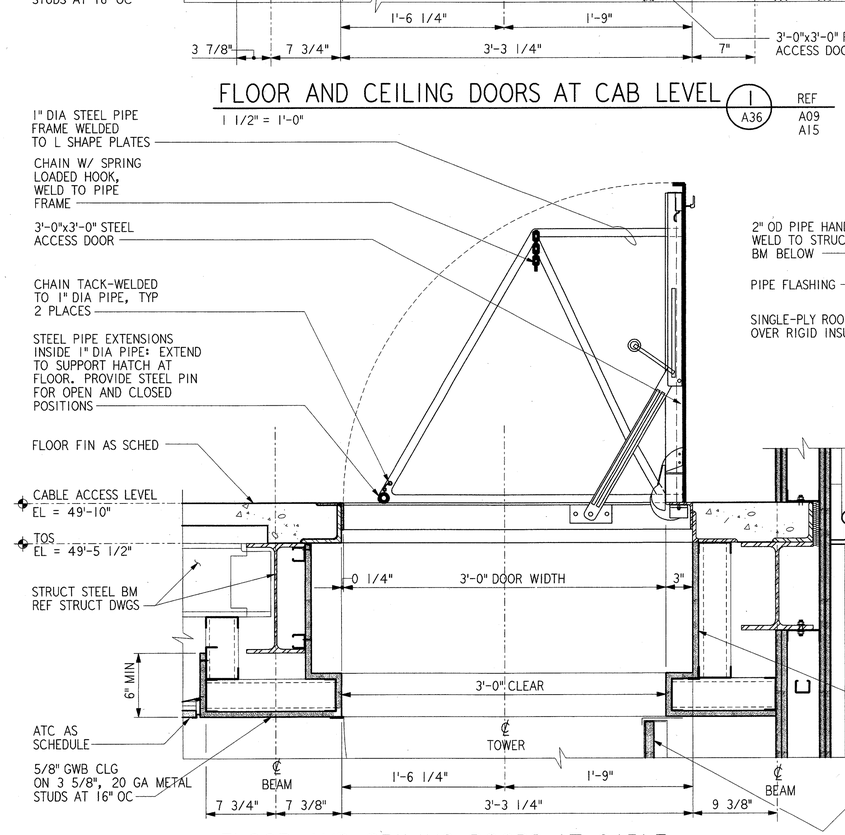
2 A36 REF A13



HOIST DETAIL

1 1/2" = 1'-0"

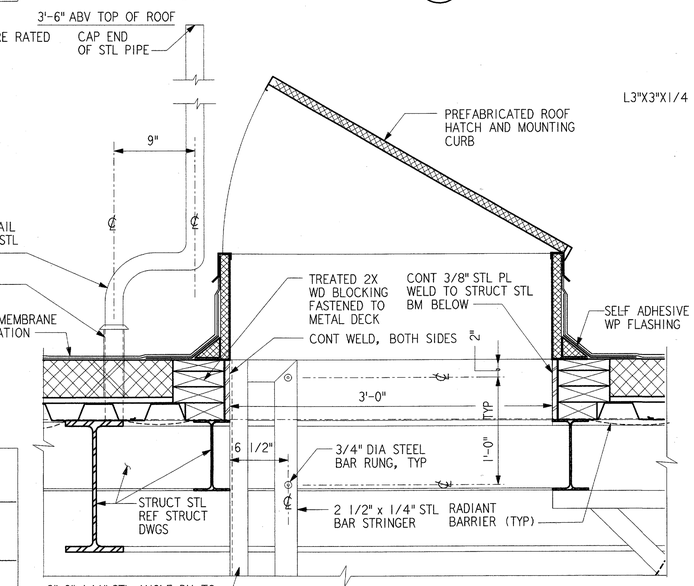
3 A36



FLOOR AND CEILING DOORS AT CABLE ACCESS LEVEL

1 1/2" = 1'-0"

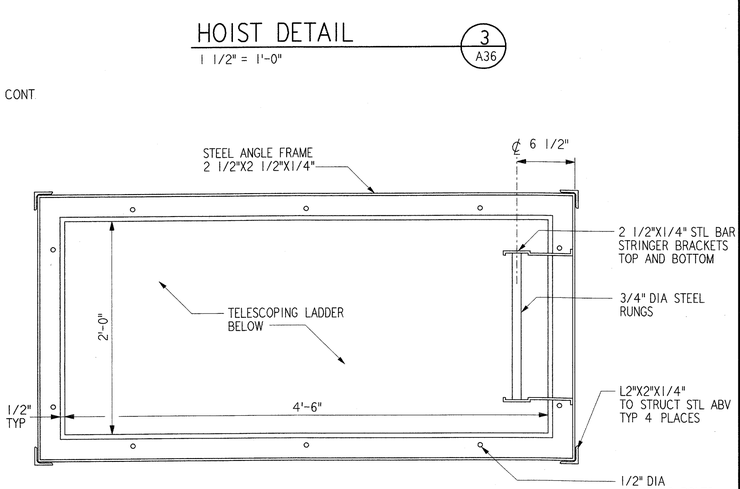
4 A36 REF A09



ROOF HATCH DETAIL

1 1/2" = 1'-0"

5 A36 REF A03 A13



ROOF ACCESS LADDER

1 1/2" = 1'-0"

6 A36 REF A15

A36

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER STATE OF TEXAS 16725

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

EXTERIOR AND INTERIOR DETAILS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

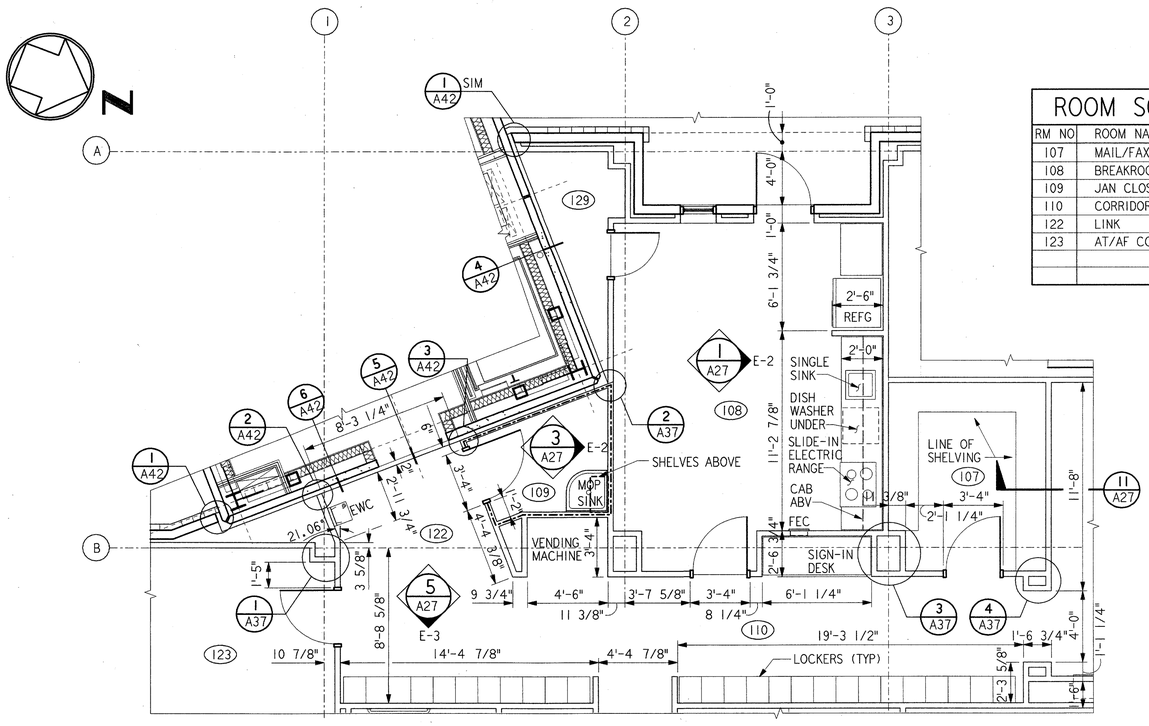
DATE: 06-22-01

DRAWING NUMBER: ADS-ATCT- A36

REF. DWG.:

FILENAME: ADSA036.DTT

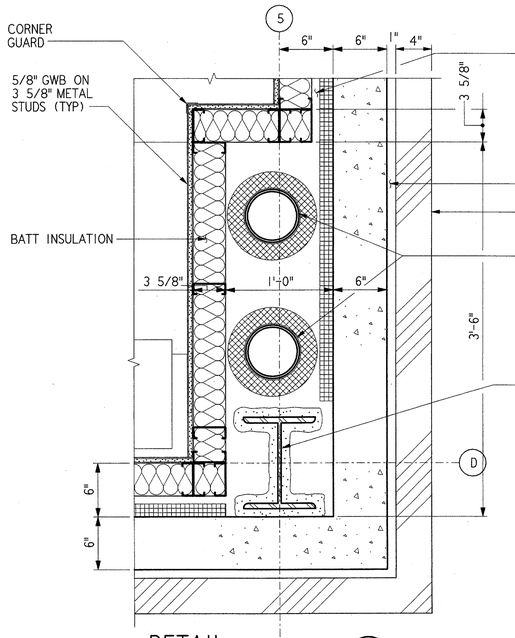
ROOM SCHEDULE	
RM NO	ROOM NAME
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	JAN CLOSET
110	CORRIDOR
122	LINK
123	AT/AF CONFERENCE ROOM



ENLARGED PARTIAL PLAN

1/4" = 1'-0"

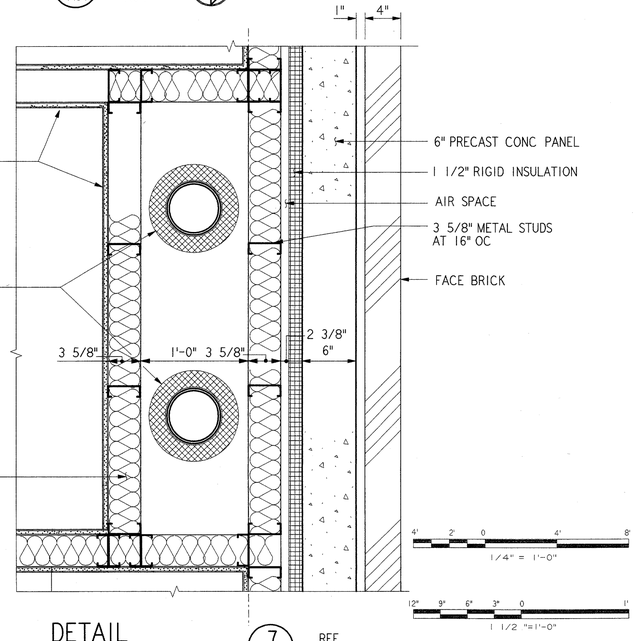
1 A37 REF A04



DETAIL

1 1/2" = 1'-0"

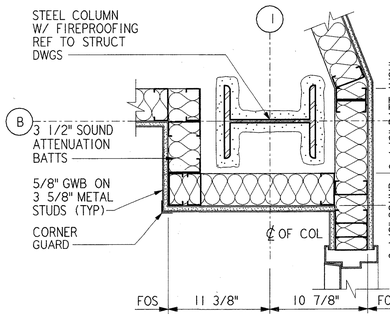
6 A37 REF A04



DETAIL

1 1/2" = 1'-0"

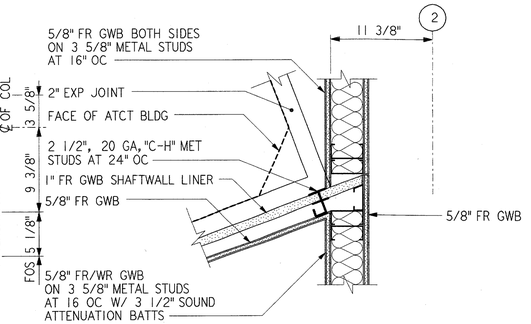
7 A37 REF A04



DETAIL

1 1/2" = 1'-0"

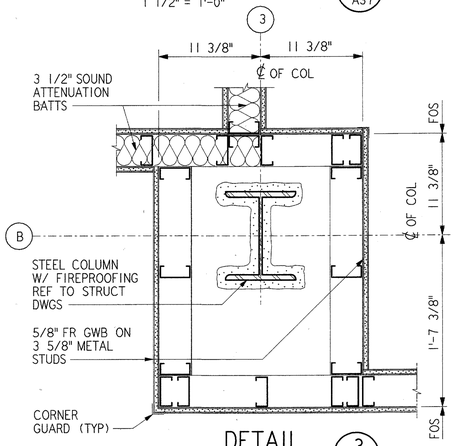
1 A37



DETAIL

1 1/2" = 1'-0"

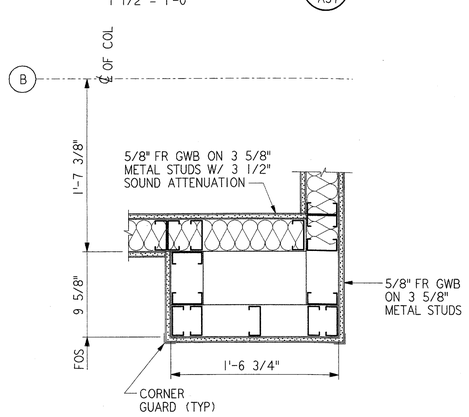
2 A37



DETAIL

1 1/2" = 1'-0"

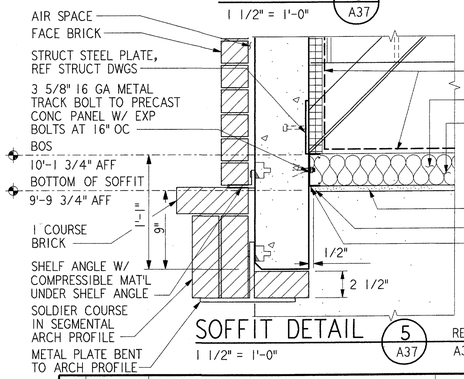
3 A37



DETAIL

1 1/2" = 1'-0"

4 A37



SOFFIT DETAIL

1 1/2" = 1'-0"

5 A37 REF A30

A37

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ENLARGED PARTIAL PLAN AND MISCELLANEOUS DETAILS BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

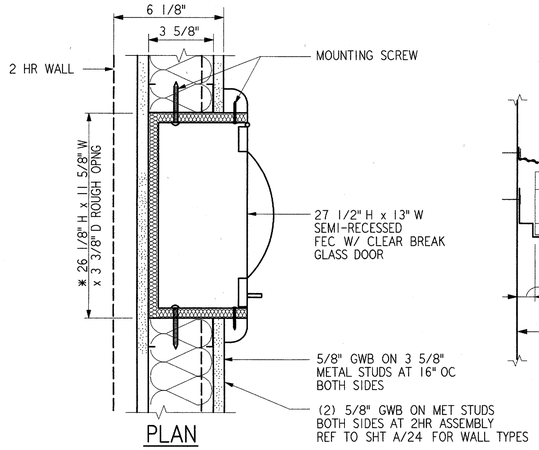
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

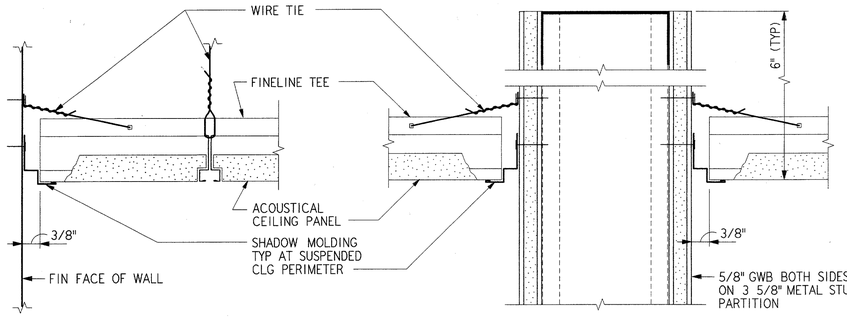
DRAWING NUMBER: ADS-ATCT- A37

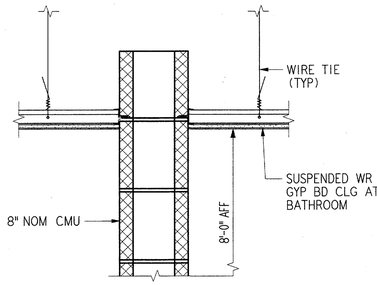
FILENAME: ADSIA037.DTT

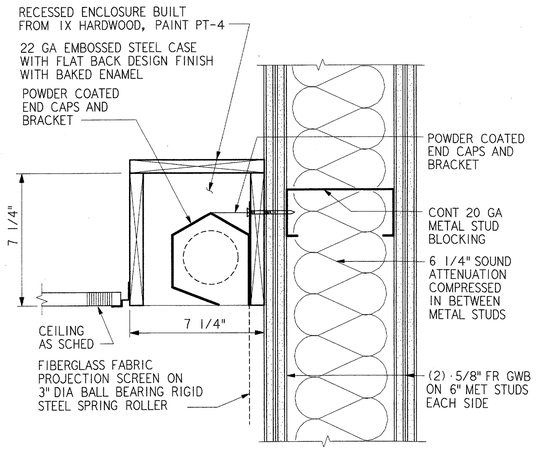
REF. DWG.:



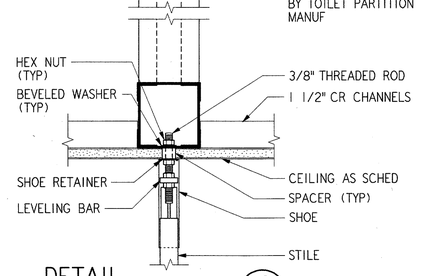
PLAN





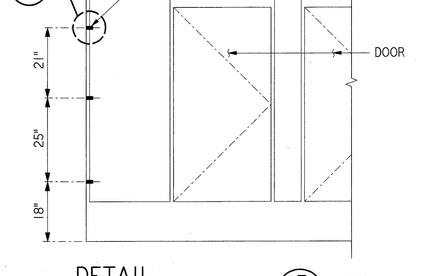


DETAIL 1 (A38) — 1 1/2" = 1'-0" — REF A02, A03, A04



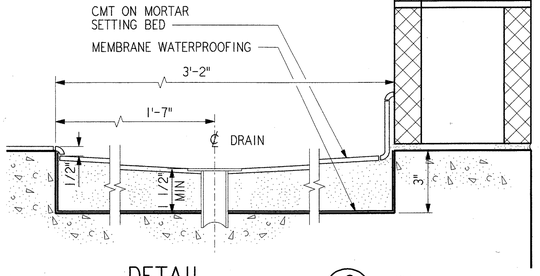
DETAIL 6 (A38) — 3" = 1'-0"

DETAIL 2 (A38) — 6" = 1'-0" — REF A16, A28



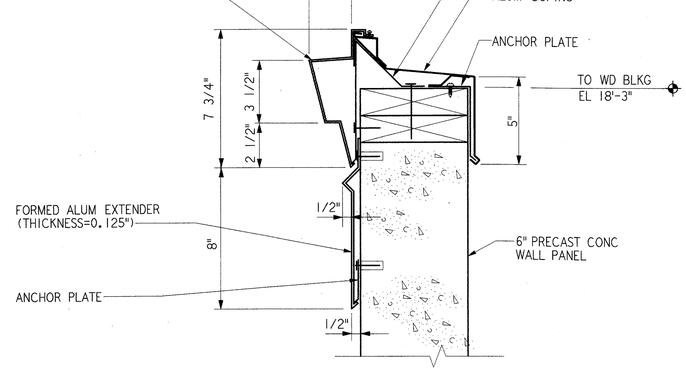
DETAIL 7 (A38) — 1/2" = 1'-0" — REF A26

DETAIL 3 (A38) — 6" = 1'-0" — REF A16



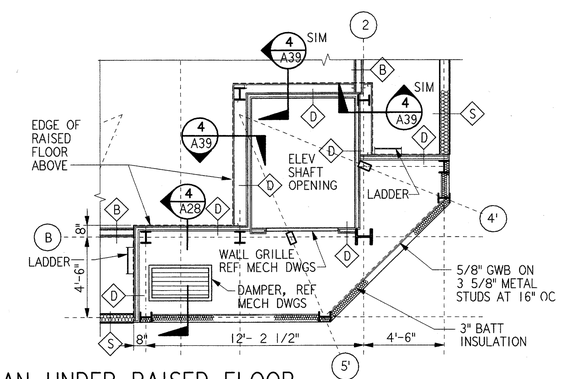
DETAIL 8 (A38) — 3" = 1'-0" — REF A26

DETAIL 4 (A38) — 1 1/2" = 1'-0" — REF A12, A16

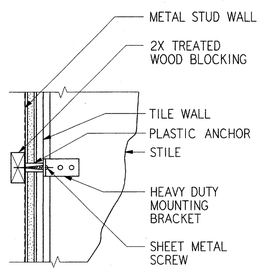


DETAIL 9 (A38) — 3" = 1'-0" — REF A30

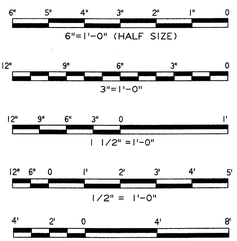
DETAIL 5 (A38) — 3" = 1'-0" — REF A16



PLAN UNDER RAISED FLOOR AT ELEVATOR SHAFT — 1/4" = 1'-0" — REF A03



DETAIL 11 (A38) — 3" = 1'-0"



REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

A38

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

MISCELLANEOUS DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

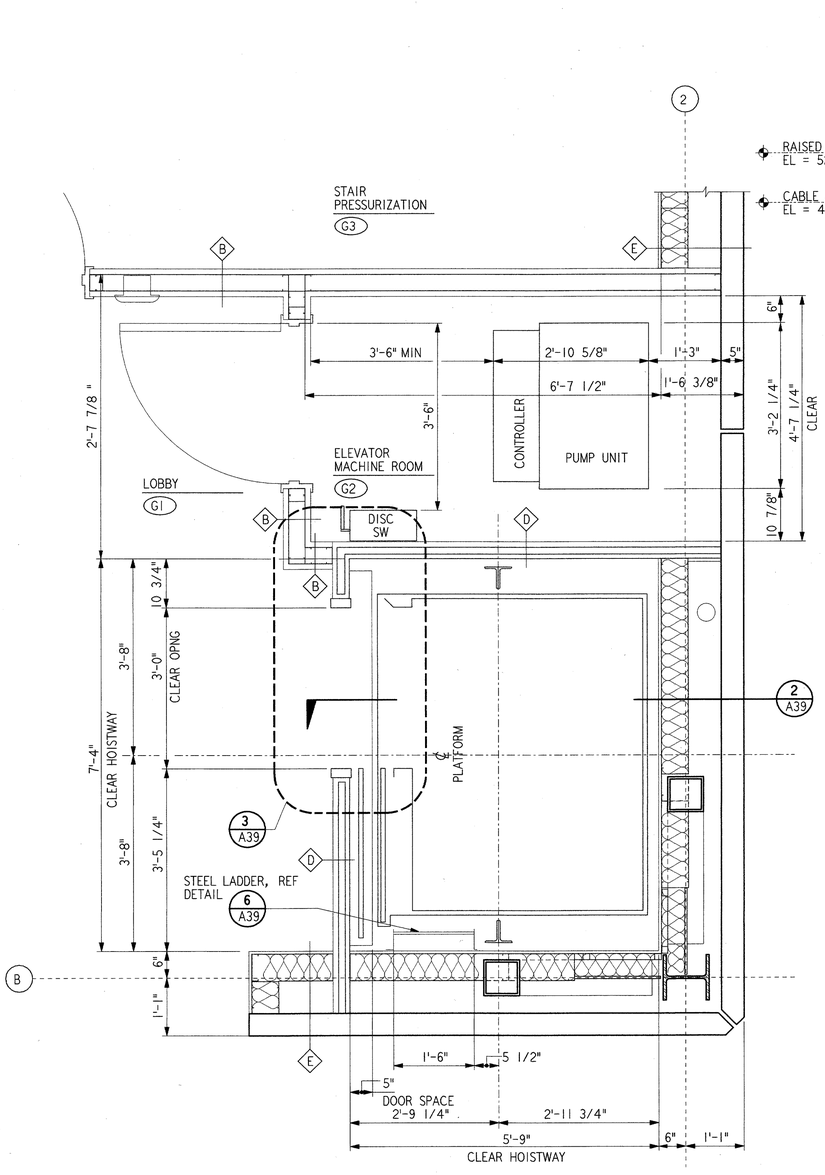
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY
AIRWAY FACILITIES
DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- A38

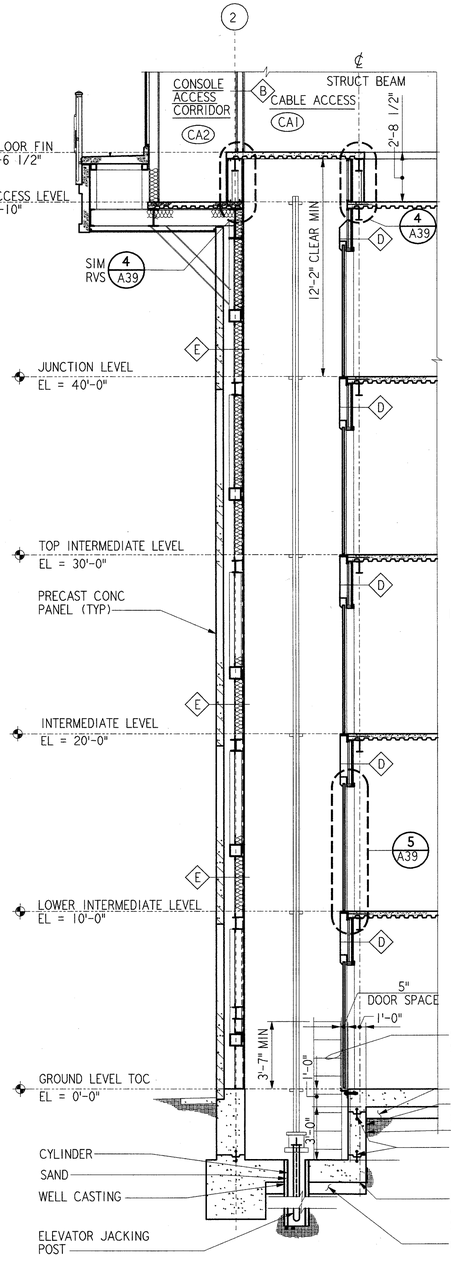
FILENAME: ADSIA038.DIT

REF. DWG.:



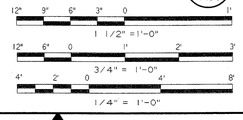
ELEVATOR HOISTWAY PLAN

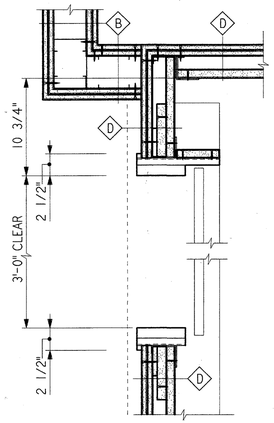
1 A39 — 3/4" = 1'-0" — REF A02



ELEVATOR HOISTWAY SECTION

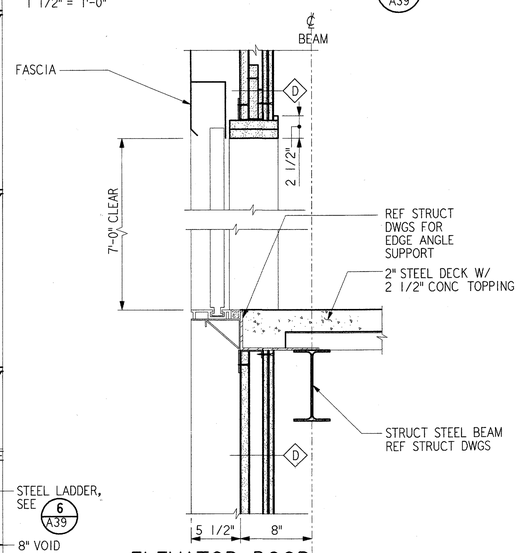
2 A39 — 1/4" = 1'-0"





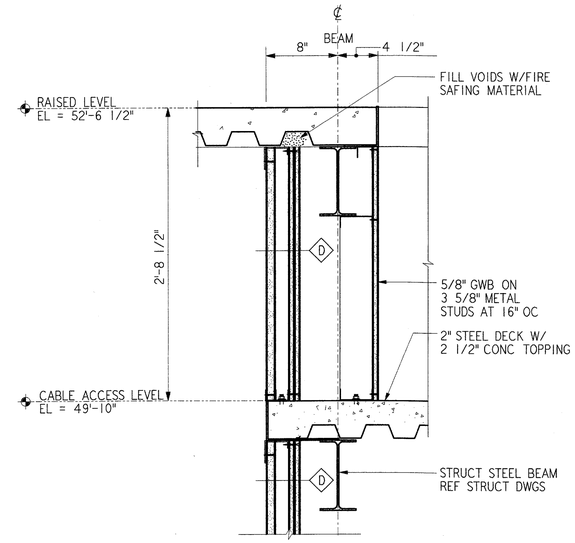
ELEVATOR DOOR JAMB DETAIL

3 A39 — 1 1/2" = 1'-0"



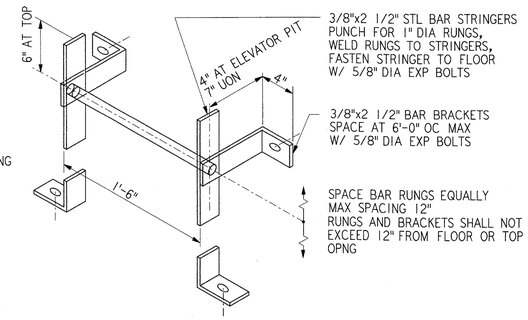
ELEVATOR DOOR HEAD/SILL DETAIL

5 A39 — 1 1/2" = 1'-0"



HOISTWAY WALL DETAIL

4 A39 — 1 1/2" = 1'-0"



STEEL LADDER DETAIL

6 A39 — 1 1/2" = 1'-0"

A39

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 18725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ELEVATOR DETAILS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

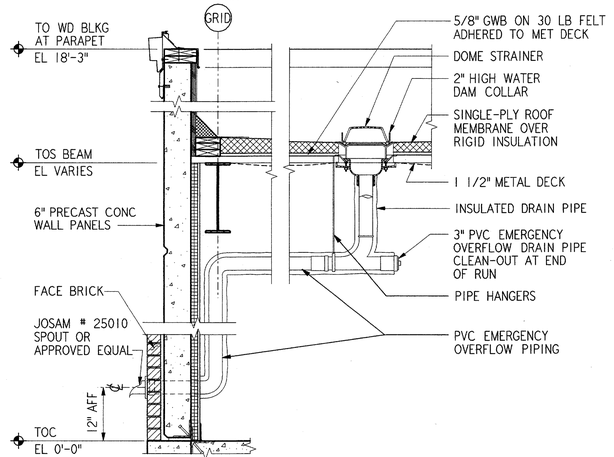
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

DRAWING NUMBER: ADS-ATCT- A39

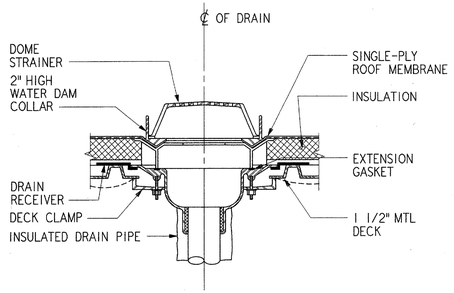
FILENAME: ADSIA039.DTT

REF. DWG.:



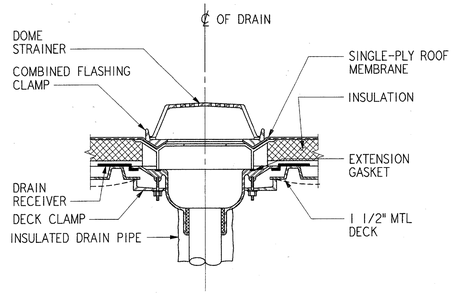
OVERFLOW ROOF DRAIN DETAIL 1 A40 REF A06

3/4" = 1'-0"



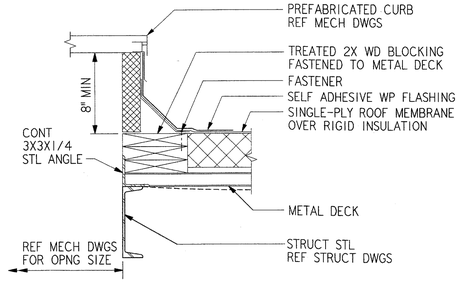
OVERFLOW ROOF DRAIN DETAIL 2 A40 REF A06

NTS



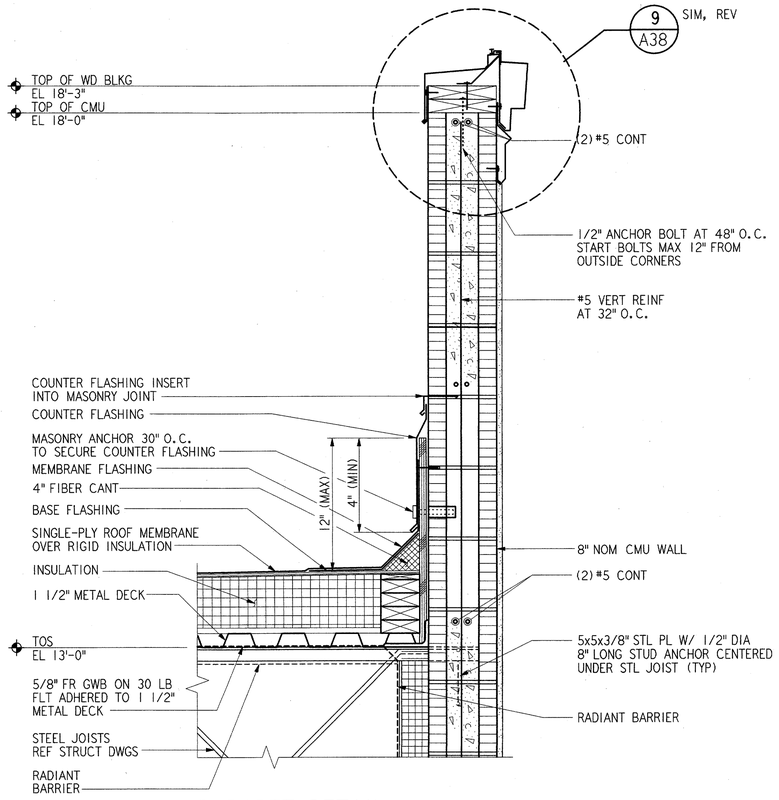
ROOF DRAIN DETAIL 3 A40 REF A06

NTS



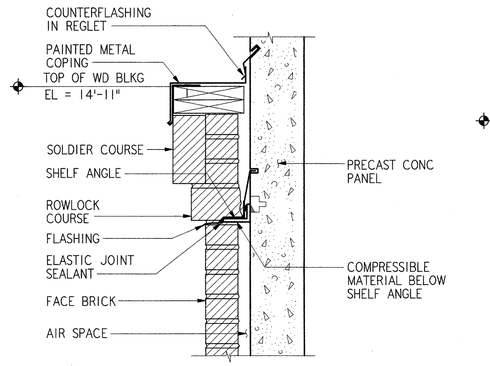
ROOF PENETRATION AT EXHAUST FAN 4 A40 REF A06

1 1/2" = 1'-0"



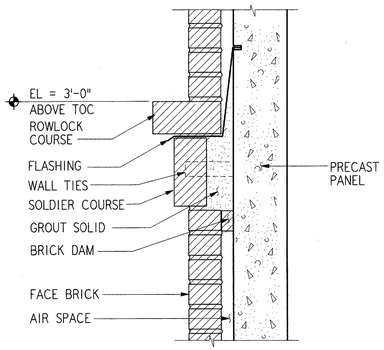
PARAPET DETAIL 5 A40 REF A31

1 1/2" = 1'-0"



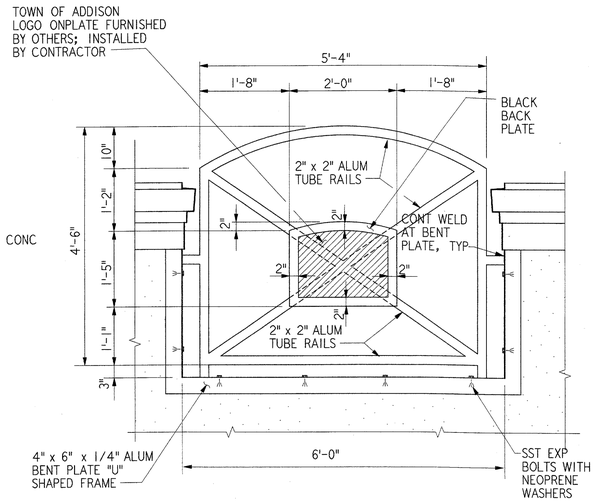
DETAIL 6 A40 REF A31

1 1/2" = 1'-0"



DETAIL 7 A40 REF A31

1 1/2" = 1'-0"



ELEVATION 8 A40 REF A10

3/4" = 1'-0"

12" 6" 0 1' 2' 3"

3/4" = 1'-0"

12" 9" 6" 3" 0 1'

1 1/2" = 1'-0"

A40

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ROOF DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

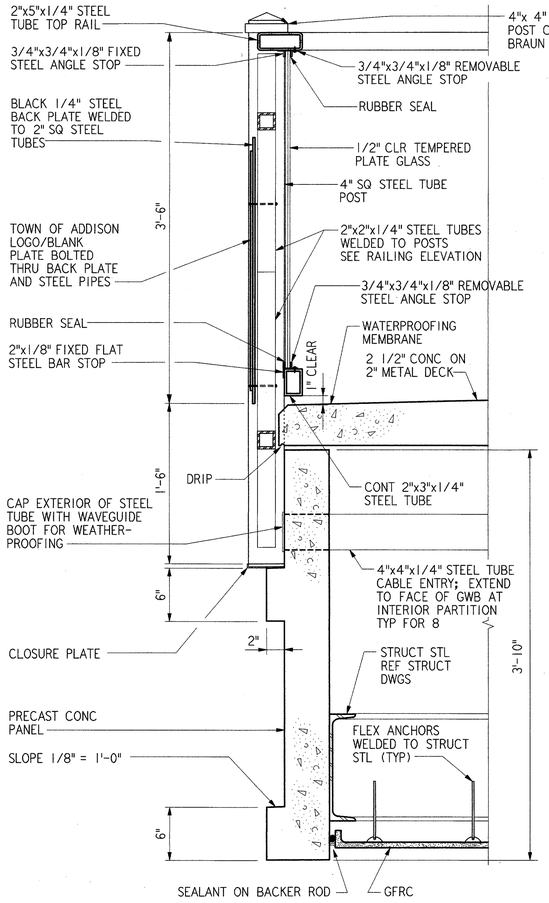
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A40

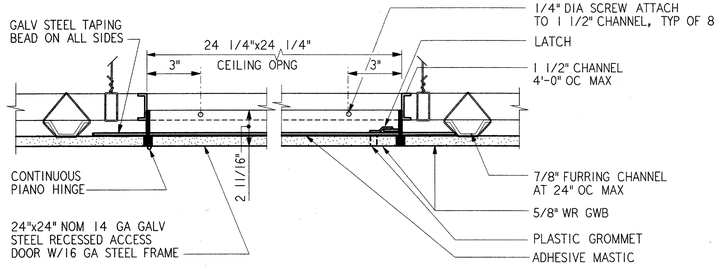
REF. DWG.:

FILENAME: ADS\A040.DTT



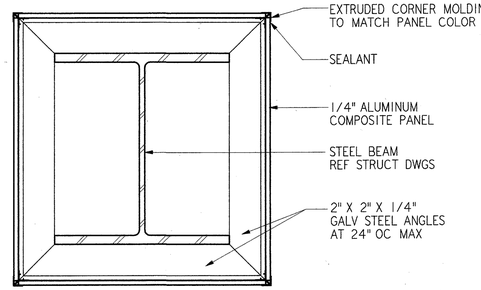
WALKWAY HANDRAIL SECTION

1 1/2" = 1'-0" — 1 / A41 — REF A13



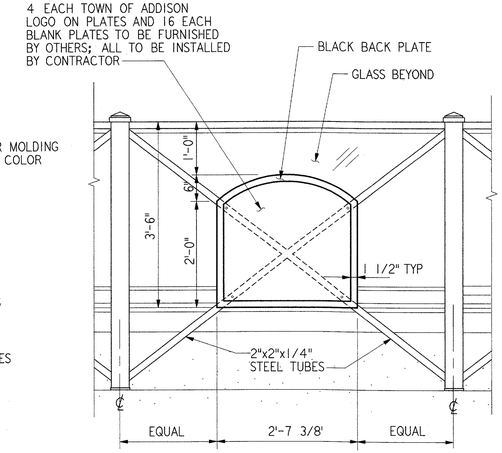
RECESSED ACCESS PANEL DETAIL

3" = 1'-0" — 3 / A41 — REF A16



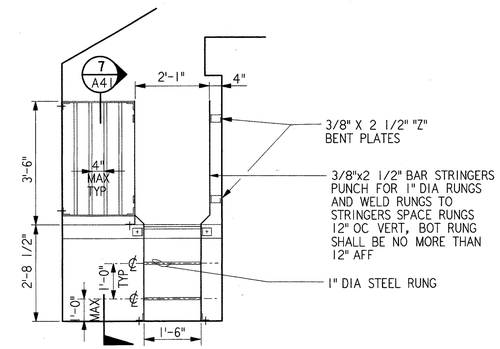
SECTION

3" = 1'-0" — 2 / A41 — REF A28



ELEVATION

3/4" = 1'-0" — 8 / A41 — REF A07



LADDER ELEVATION

1/2" = 1'-0" — 6 / A41 — REF

RAILING/LADDER SECTION

1 1/2" = 1'-0" — 7 / A41 — REF

SOFFIT DETAIL

3" = 1'-0" — 4 / A41 — REF A16

DBRITE DISPLAY TRACK

3" = 1'-0" — 5 / A41 — REF A15

A41

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

MISCELLANEOUS DETAILS ATCT

ADDISON — (ADDISON AIRPORT) — TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

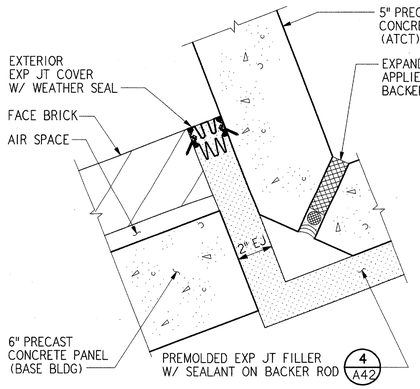
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

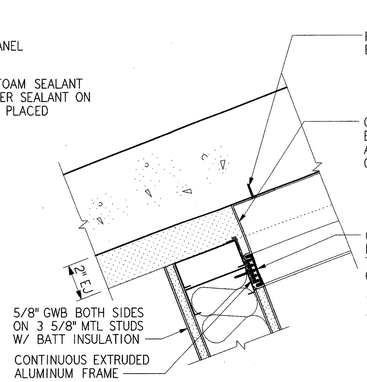
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A41

REF. DWG.:

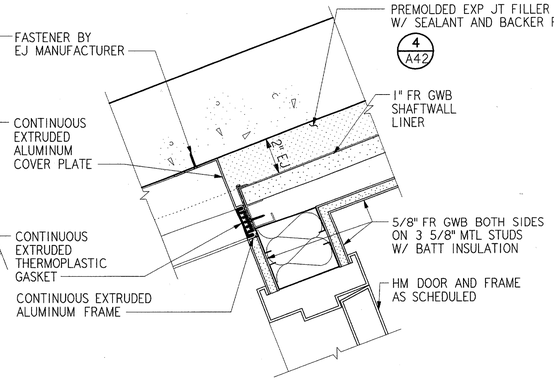
FILENAME: ADS1A041.DTT



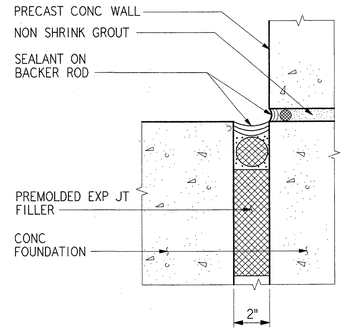
DETAIL 1 A42 REF A37
3" = 1'-0"



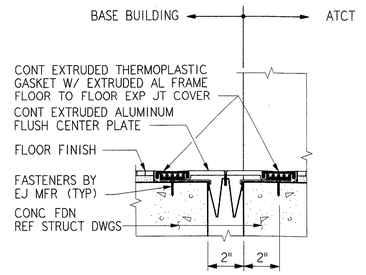
DETAIL 2 A42 REF A37
3" = 1'-0"



DETAIL 3 A42 REF A37
3" = 1'-0"



DETAIL 4 A42 REF A37
3" = 1'-0"



DETAIL 5 A42 REF A37
3" = 1'-0"

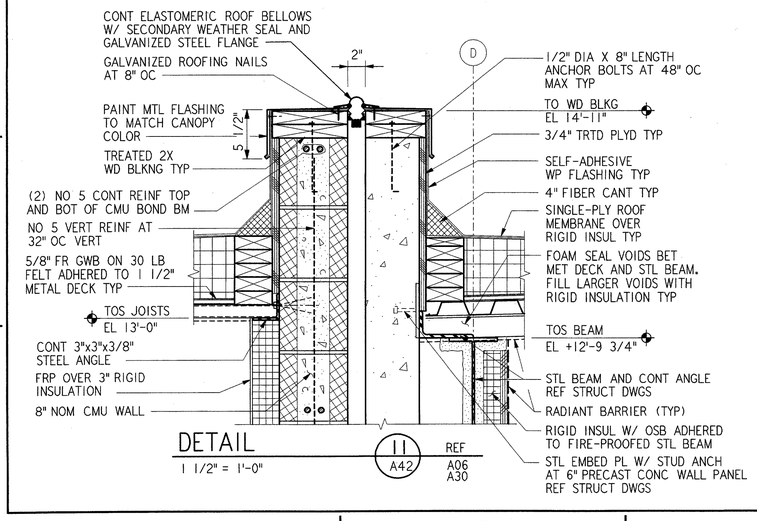
DETAIL 6 A42 REF A37
3" = 1'-0"

DETAIL 7 A42 REF A16
3" = 1'-0"

DETAIL 8 A42 REF A06
1 1/2" = 1'-0"

DETAIL 9 A42 REF A06
1 1/2" = 1'-0"

DETAIL 10 A42 REF A06
1 1/2" = 1'-0"



DETAIL 11 A42 REF A06 A30
1 1/2" = 1'-0"

12" 9" 6" 3" 0
3"=1'-0"

12" 9" 6" 3" 0 1"
1 1/2 "=1'-0"

A42

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

EXPANSION JOINT DETAILS BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Wayne Ray, SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

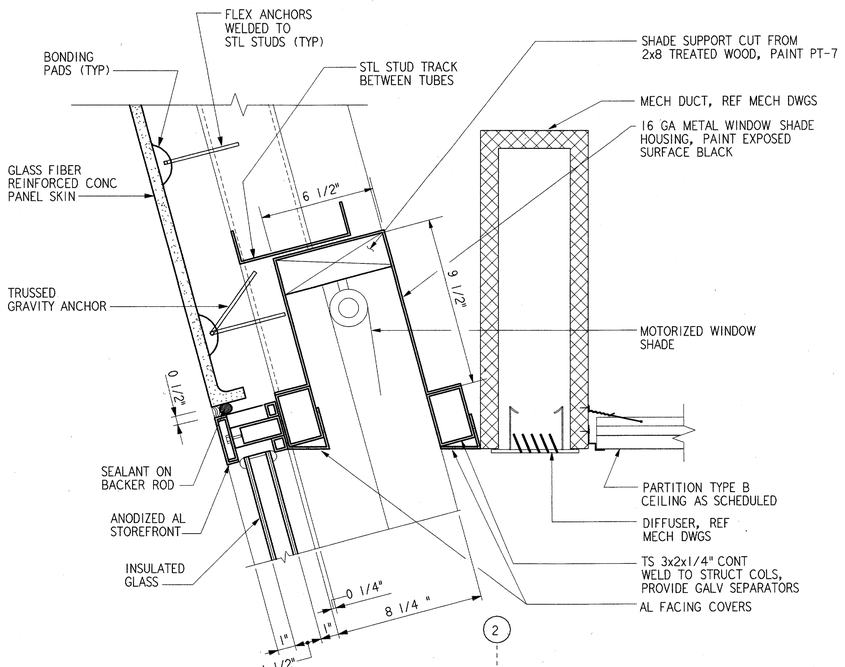
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: E. DANE
FACILITY:

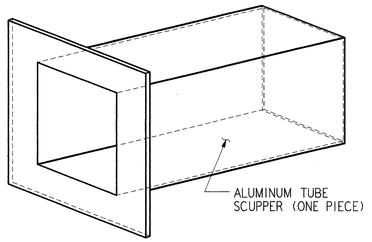
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- A42

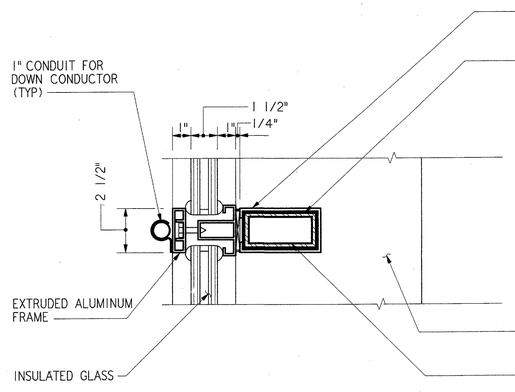
REF. DWG.:

FILENAME: ADS\A042.DTT

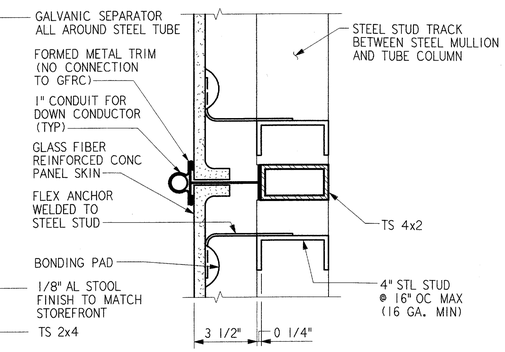




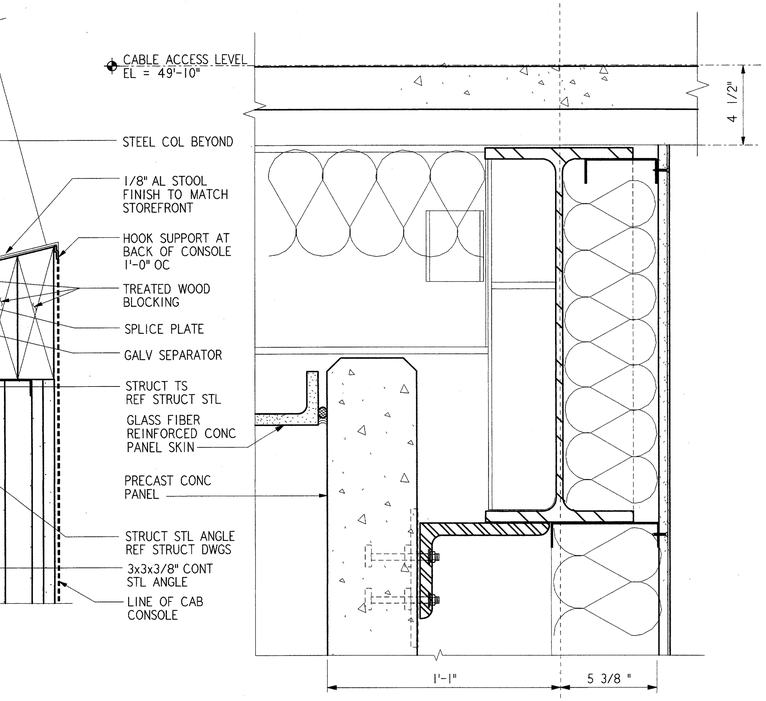
SCUPPER DETAIL
NOT TO SCALE
7
A43
REF
A44



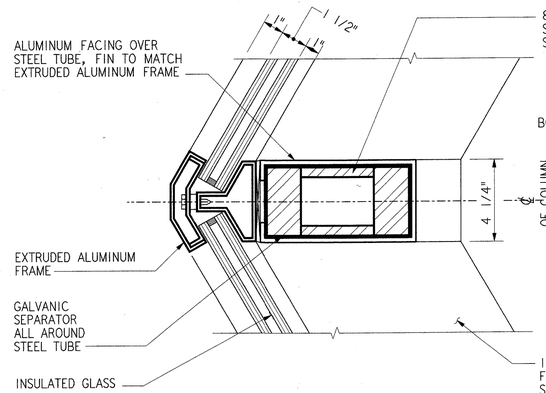
MULLION AT WINDOW
3" = 1'-0"
3
A43
REF
A03



MULLION AT METAL PANEL
3" = 1'-0"
4
A43
REF
A03



DETAIL
3" = 1'-0"
2
A43
REF
A08
A13



COLUMN AT WINDOW
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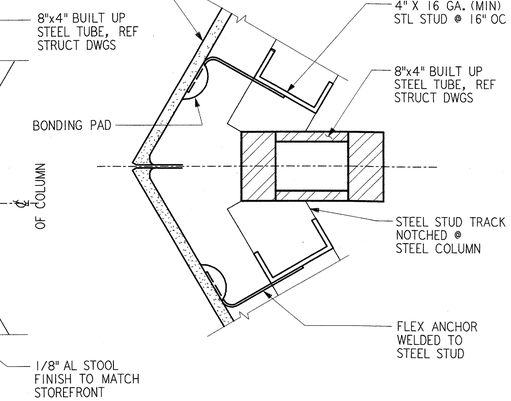
5
A43
REF
A03



COLUMN AT GFRC PANEL
3" = 1'-0"
6
A43
REF
A03

12" 9" 6" 3" 0
3"=1'-0"

A43

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT JAMES E. HARPER 16725 STATE OF TEXAS
James E. Harper 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

CAB DETAILS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Damyn Kay — SYSTEMS ENGINEER, ANI-640
APPROVED: — MANAGER TERMINAL PLATFORM, ANI-640

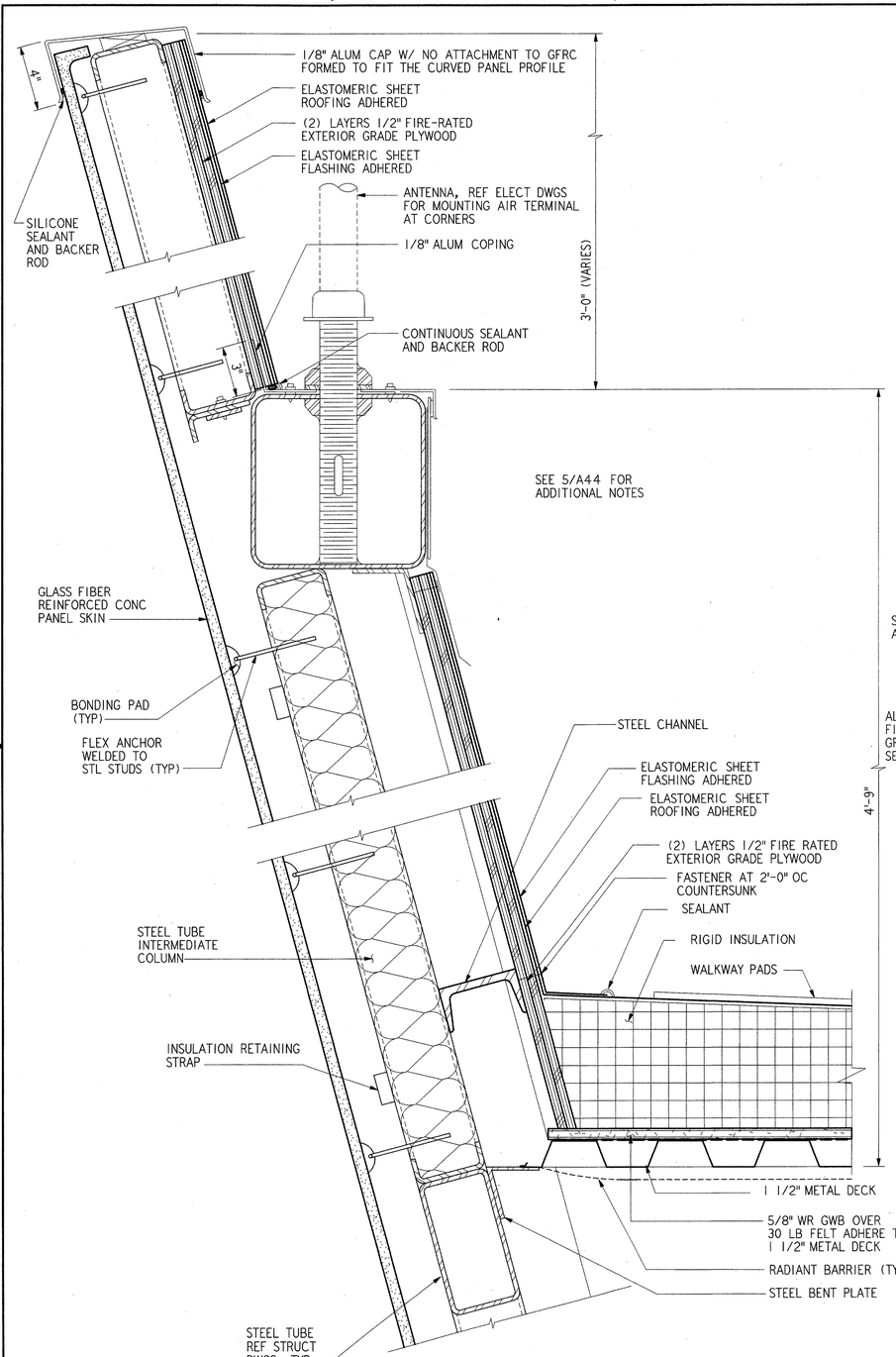
DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- A43

REF. DWG.:

FILENAME: ADS\A043.DTT

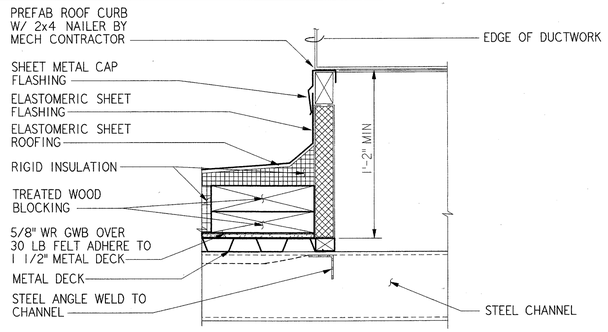


NOTE: SEE STRUCTURAL DRAWINGS FOR STEEL CONNECTION DETAILS

RACEWAY AND PARAPET DETAIL

3" = 1'-0"

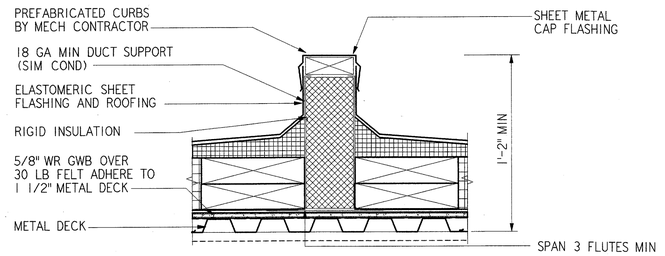
1 / A44 — REF A13



CURB SECTION AT OPNG DETAIL

1 1/2" = 1'-0"

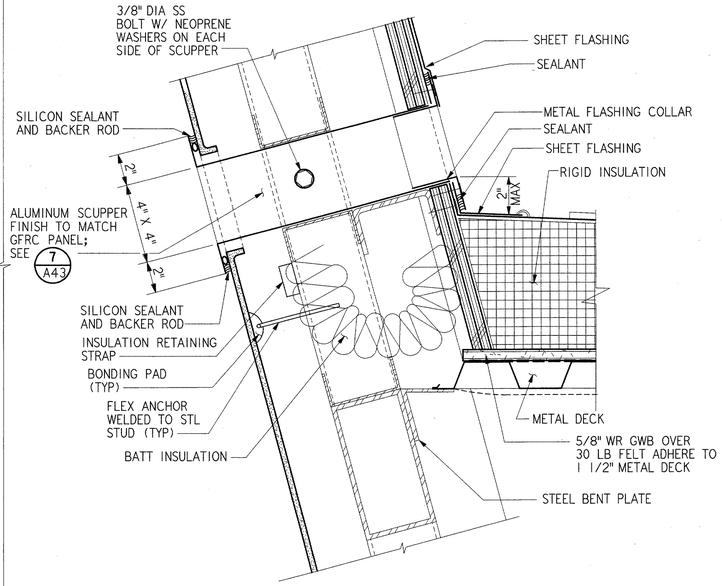
2 / A44 — REF A03



MECH EQUIPMENT AND DUCTWORK SUPPORT CURB DETAIL

1 1/2" = 1'-0"

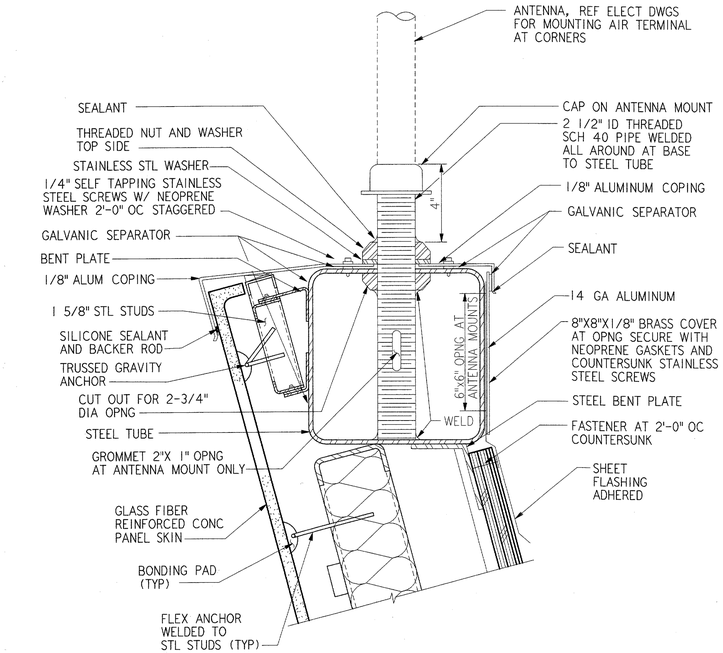
3 / A44 — REF A03, A08



SCUPPER DETAIL

3" = 1'-0"

4 / A44 — REF A03



RACEWAY DETAIL

3" = 1'-0"

5 / A44 — REF A07, A09

A44

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

REGISTERED ARCHITECT — JAMES E. HARPER — 16725 — STATE OF TEXAS

James E. Harper 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

CAB DETAILS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: GARY WILLIAMS
REVIEWED: A. AMBARDEKAR
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

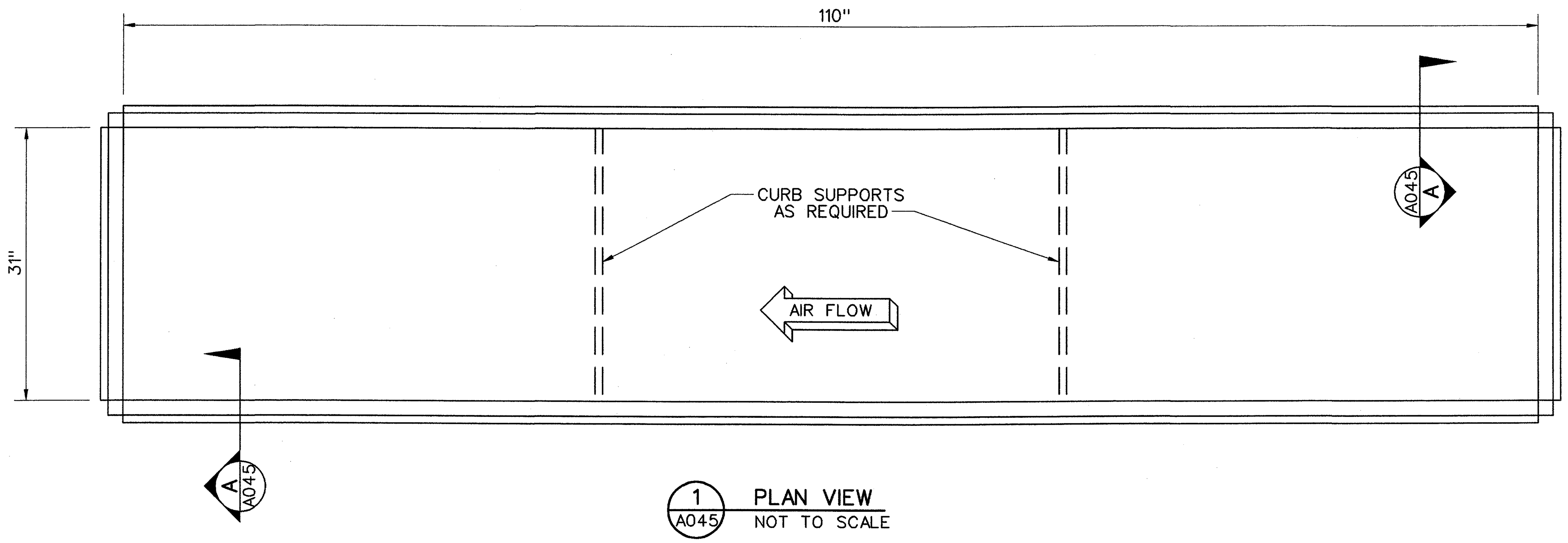
DRAWING NUMBER: ADS-ATCT-A44

FILENAME: ADSIA044.DTT

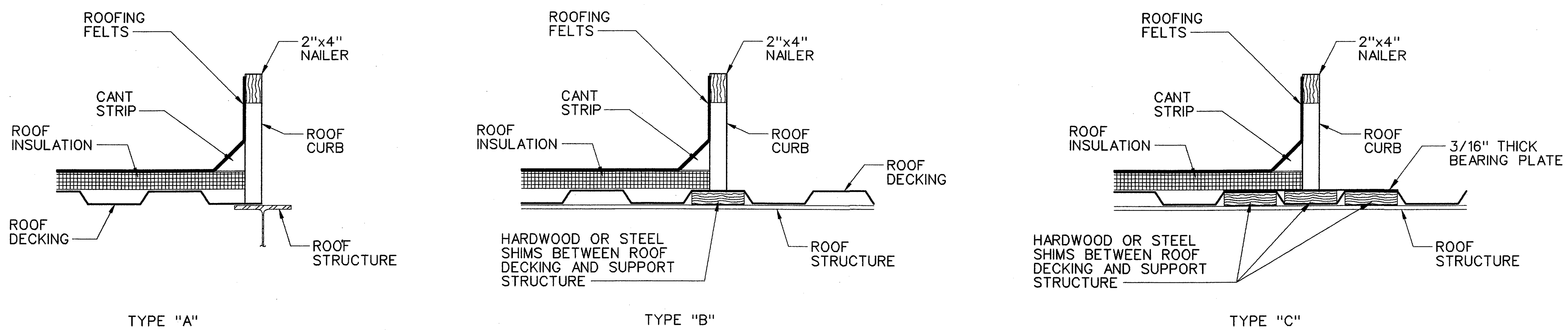
REF. DWG.:

NOTES:

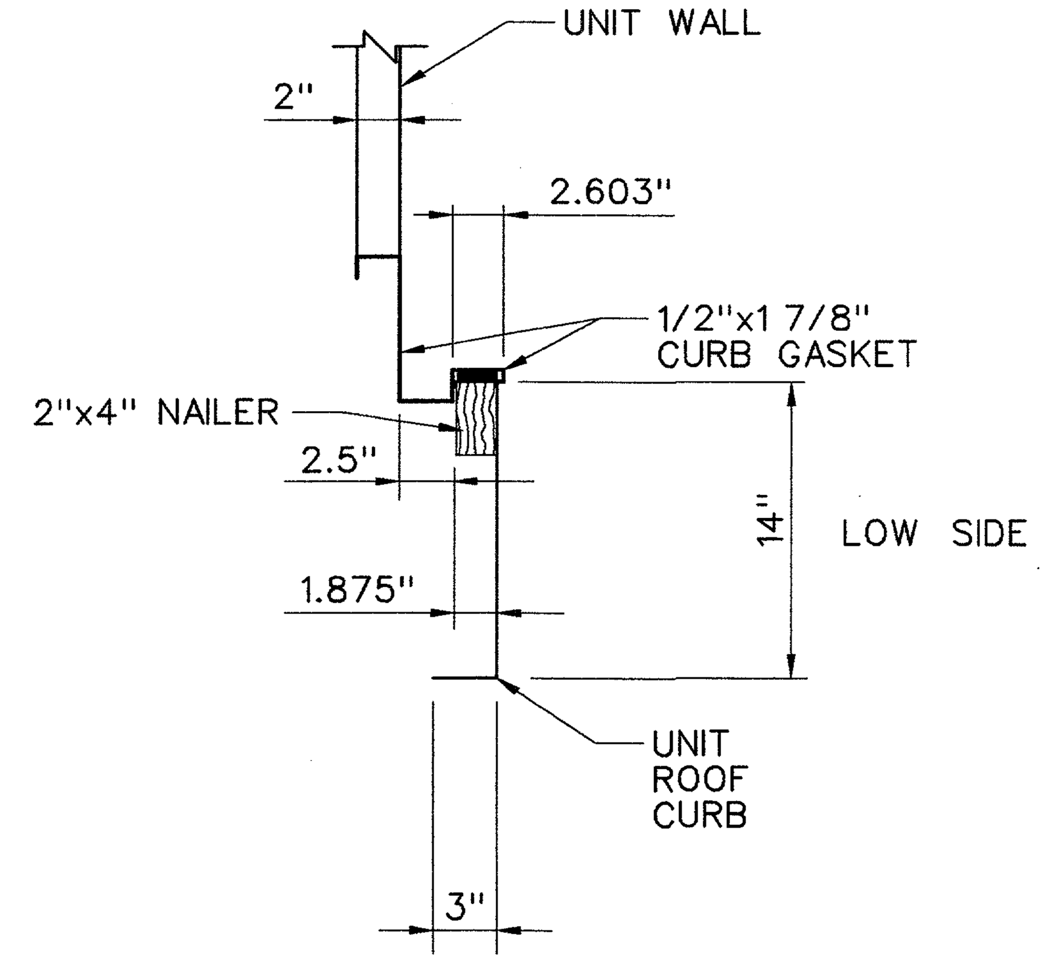
1. ROOF CURB SHIPPED IN PIECES FOR FIELD ASSEMBLY.
2. ROOF CURB MUST BE INSTALLED SQUARE AND LEVEL.
3. CURB MATERIAL IS 14 GAUGE GALVANIZED, NOT PAINTED.



1 A045 PLAN VIEW
NOT TO SCALE



2 A045 SUGGESTED INSTALLATION METHODS - SECTIONAL VIEWS
NOT TO SCALE



A A045 SECTION
NOT TO SCALE

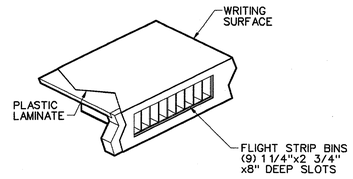
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

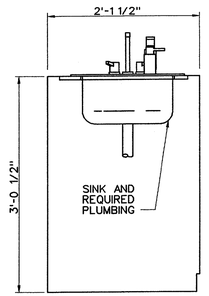
LOW ACTIVITY LEVEL ATCT
ROOF CURB DETAILS
AIR HANDLING UNITS - AHU 2 AND 3

ADDISON — ADDISON AIRPORT — TX

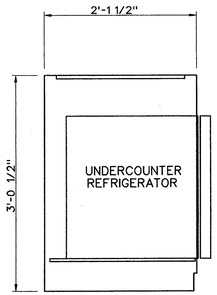
REVIEWED BY	SUBMITTED BY	APPROVED BY
	Edward Hackett PROJECT ENGINEER, ANI-640	PLATFORM MANAGER, ANI-640
	DESIGNED ED HACKETT	DATE 06-23-03 JCN 9700164
	DRAWN BC/LB	ISSUED BY NAS IMPLEMENTATION ANI-600
	CHECKED	DRAWING NO ADS-D-ATCT-A045 REV



FLIGHT STRIP BIN DETAIL
NOT TO SCALE
TYP 3 PLACES



A SECTION
CNSL01 SCALE:1"-1'-0"



B SECTION
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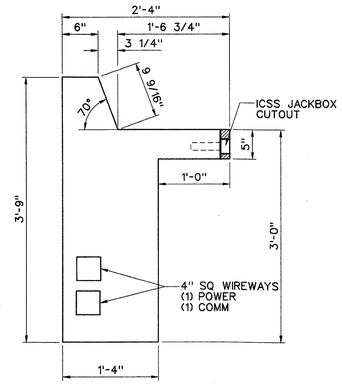
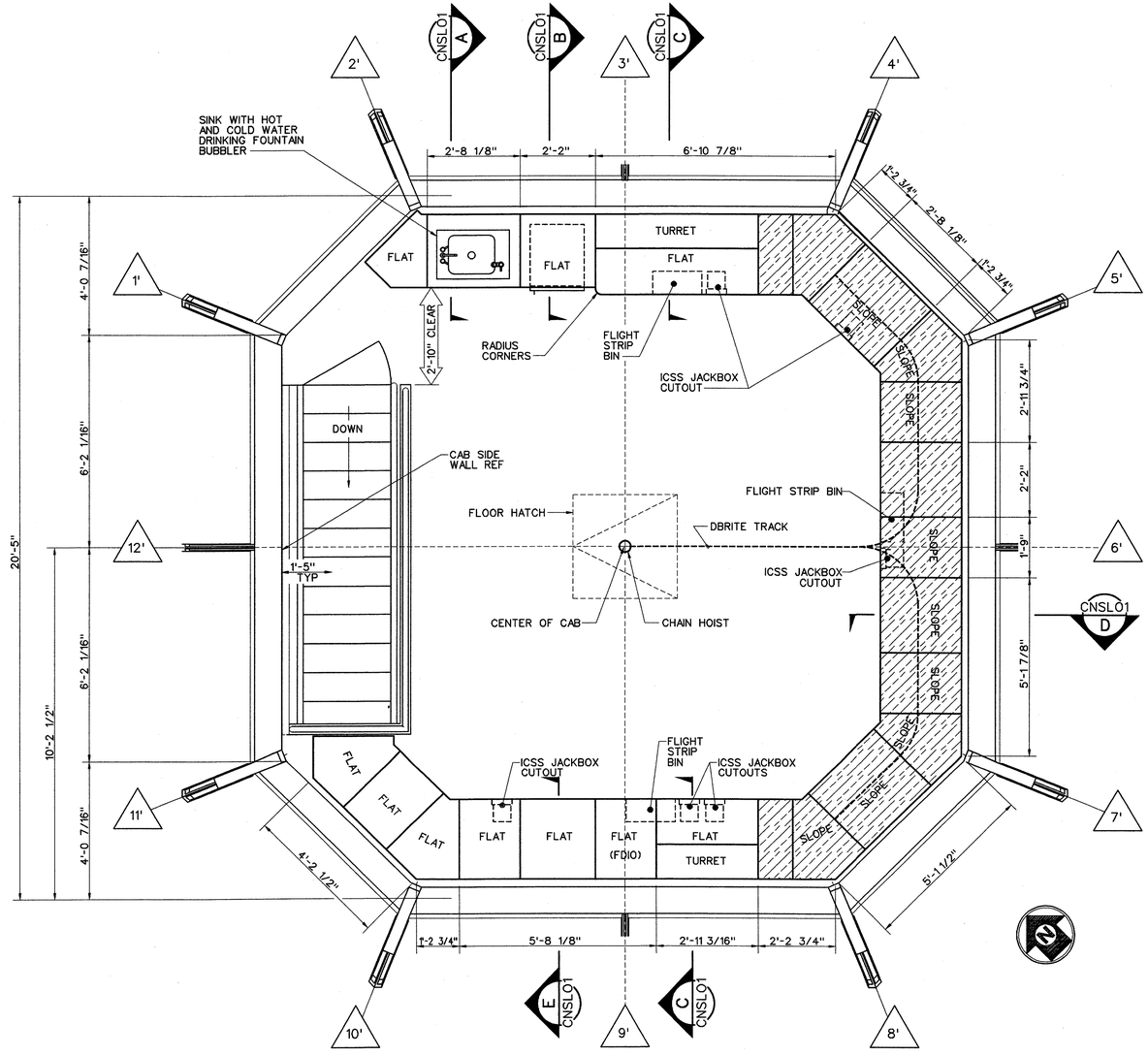
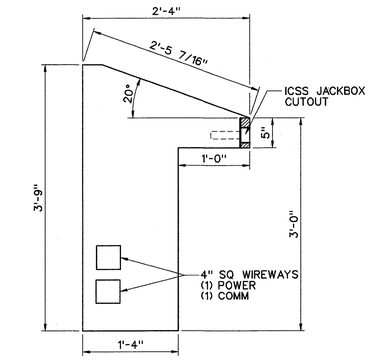
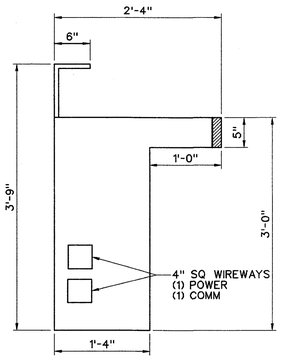


C SECTION
CNSL01 SCALE:1"-1'-0"





D SECTION
CNSL01 SCALE:1"-1'-0"



E SECTION
CNSL01 SCALE:1"-1'-0"

(FDIO)
(DBRITE) DENOTES POSSIBLE EQUIPMENT LOCATIONS.
(IDS)

DENOTES SLOPED INSTRUMENT SURFACES..

1' 0 1' 2' 5'
SCALE: 1/2" = 1'-0"

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-19-03	RELOCATE TOWER CAB CONSOLES.			
1	09-16-97	REVISED DBRITE TRACK AND FLOOR HATCH.			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

AIRPORT TRAFFIC CONTROL TOWER

PLAN LAYOUT AND EQUIPMENT SCHEDULE TOWER CAB CONSOLES

DALLAS ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY ORIGINAL DRAWING SIGNED BY: GARY W. RAY, SYSTEMS ENGINEER, ANI-640	APPROVED BY ORIGINAL DRAWING SIGNED BY: CHRISTIAN C. CALLAHAN, MANAGER TERMINAL PLATFORM, ANI-640	
	DESIGNED CAEG / DRAWN KS/LB / CHECKED	ISSUED BY NAS IMPLEMENTATION ANI-600	DATE JUNE 9, 1997 JCN
			DRAWING NO ADS-CAB-CNSL01 REV A

GENERAL NOTES:

A. FOUNDATIONS:

FOUNDATIONS FOR THE TOWER AND BASE BUILDINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH RECOMMENDATIONS OF GEOTECHNICAL REPORT NO. 0761-1044 OF AUGUST 1996 BY FUGRO-McCLELLAND INC., DALLAS, TEXAS.

B. WIND LOADS: - 70 MPH, EXPOSURE C, 1994 UNIFORM BUILDING CODE.

C. EARTHQUAKE LOADS: - SEISMIC ZONE 0.

D. GENERAL:

1. ALL EXISTING FIELD CONDITIONS AND STRUCTURAL DIMENSIONS CONTROLLED BY OR RELATED TO MECHANICAL OR ELECTRICAL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE RESIDENT ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND.

2. MECHANICAL AND ELECTRICAL EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES AND REVEALS NOT SHOWN ON THE STRUCTURAL DRAWINGS BUT REQUIRED BY OTHER CONTRACT DRAWINGS SHALL BE PROVIDED PRIOR TO CASTING CONCRETE.

3. TOWER HAS BEEN DESIGNED FOR OPERATIONAL LOADS ON COMPLETED STRUCTURE. DURING CONSTRUCTION STRUCTURE SHALL BE PROTECTED BY BRACING AND BALANCING WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR.

4. WHERE THE WEIGHT OF EQUIPMENT OR MATERIALS BEING TRANSPORTED TO LOCATION, OR TEMPORARILY STORED, EXCEEDS THE DESIGN LIVE LOAD, PLANKING SHALL BE PROVIDED ON THE FLOOR SLAB AND SHORING PROVIDED BENEATH THE FLOOR.

5. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF WALL, ROOF AND FLOOR OPENINGS, SLEEVES AND CONCRETE PADS UNDER EQUIPMENT. THE CONTRACTOR SHALL VERIFY EXACT SIZE AND LOCATION WITH EQUIPMENT FURNISHED.

E. PRECAST CONCRETE PANELS:

1. REINFORCED CONCRETE FOR PRECAST PANELS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF (f'c) 6000 PSI AT 28 DAYS (NORMAL WEIGHT).

2. REINFORCING STEEL SHALL BE NEW BILLET STEEL, DEFORMED BARS, CONFORMING TO ASTM SPECIFICATION A 615, GRADE 60 WITH A MINIMUM YIELD STRENGTH OF (fy) 60,000 PSI.

3. ALL REINFORCING SHALL HAVE A MINIMUM COVER OF 2" UNLESS SHOWN OTHERWISE ON DRAWINGS.

4. THE PRECAST MANUFACTURER SHALL BE RESPONSIBLE FOR PRECAST PANEL REINFORCING DESIGN FOR MANUFACTURING AND HANDLING LOADS AND LOADS AFTER THE PANELS ARE INSTALLED AT THEIR FINAL POSITION. THE DESIGN WIND PRESSURE SHALL BE IN ACCORDANCE WITH UBC-94.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING EACH PANEL IN POSITION BEFORE RELEASING IT FROM THE LIFTING CRANE. THESE BRACES SHALL REMAIN IN PLACE UNTIL ALL CONNECTIONS ARE COMPLETED.

6. REFER TO ARCHITECTURAL DRAWINGS FOR ALL CHAMFERS AND REVEAL STRIP LOCATIONS.

7. REFER TO ARCHITECTURAL AND STRUCTURAL DETAILS FOR TYPES AND LOCATIONS OF ALL EMBEDDED PLATES AND INSERTS WHICH SHALL BE INSTALLED ON EACH INDIVIDUAL PANEL.

8. WHERE WELDS OF PANEL CONNECTIONS ARE GREATER THAN 3/16", USE MULTIPLE PASSES ALLOWING TIME TO DISSIPATE HEAT IN ORDER TO PREVENT CRACKING OF CONCRETE PANELS.

9. NON-SHRINK MORTAR BETWEEN PANEL JOINTS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF (f'c) 5000 PSI (NORMAL WEIGHT).

10. MISCELLANEOUS METAL FOR PRECAST WALL PANEL CONNECTIONS (ANGLES AND PLATES) SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123-89a, PREPARED AND FIELD PAINTED AS SPECIFIED.

11. THE PRECAST MANUFACTURER SHALL BE RESPONSIBLE FOR PRECAST PANEL CONNECTIONS TO THE STRUCTURE. CONNECTIONS SHOWN ON DRAWINGS ARE FOR DESIGN INTENT ONLY.

F. STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS NOTED OTHERWISE.

2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

3. ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER ASTM A325 BOLTS (SLIP-CRITICAL CONNECTION), UNLESS NOTED OTHERWISE, AND TIGHTENED BY THE "TURN OF NUT" METHOD (TWO BOLTS PER CONNECTION MINIMUM).

4. STRUCTURAL TUBING SHALL CONFORM TO ASTM A 500-90, GRADE "B" WITH A MINIMUM YIELD STRENGTH OF 46,000 PSI.

5. ALL ANCHOR BOLTS SHALL BE ASTM A325 UNLESS NOTED OTHERWISE.

6. ALL WELDING SHALL BE DONE WITH E70 ELECTRODES IN CONFORMANCE WITH THE LATEST AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE", AWS D1.1. TYPICALLY PROVIDE BACKING BARS AS REQUIRED FOR ALL COMPLETE PENETRATION GROOVE WELDS.

7. ALL BEAM CONNECTIONS NOT SPECIFICALLY INDICATED SHALL BE FIELD BOLTED WHERE POSSIBLE AND DESIGNED BY THE CONTRACTOR. THE CONNECTION SHALL BE DESIGNED TO A MINIMUM OF 1/2 THE TOTAL UNIFORM LOAD CAPACITY AS TABULATED IN PART 2 "ALLOWABLE UNIFORM LOADS FOR BEAMS LATERALLY SUPPORTED" OF THE A.I.S.C. MANUAL OF STEEL CONSTRUCTION (NINTH EDITION) FOR THE GIVEN SHAPE, SPAN AND GRADE OF STEEL BEAM IN QUESTION. DOUBLE ANGLE SHEAR CONNECTIONS SHALL BE USED WHERE POSSIBLE.

8. COLUMN BASE PLATES, CAP PLATES, AND STIFFENER PLATES SHALL BE WELDED ALL AROUND.

9. STAIR FRAMING AND CONNECTIONS SHALL BE DESIGNED BY STAIR MANUFACTURER.

10. LIGHT GAGE METAL FRAMING SHALL CONFORM TO THE ASTM DESIGNATION AS PER THE AISI SPECIFICATIONS.

G. METAL DECK:

1. METAL DECK SHALL CONFORM TO ASTM A 446, GRADE A, GALVANIZED WITH A MINIMUM COATING DESIGNATION OF G90.

2. METAL DECK SHALL BE DESIGNED FOR A BASIC ALLOWABLE STRESS OF 20,000 PSI (USE ONLY WITH AN INTERLOCKING SIDE LAP).

3. ROOF DECK SHALL BE 1.5", WIDE-RIB, 20 GAGE, METAL DECK (UNLESS NOTED OTHERWISE) IN CONFORMANCE WITH THE STEEL DECK INSTITUTE. ROOF DECK SHALL CONFORM TO THE FOLLOWING MINIMUM SECTION PROPERTIES: "I" = 0.212" TO THE FOURTH POWER PER FOOT. "Sp" = 0.234" & "Sn" = 0.247" TO THE THIRD POWER PER FOOT.

4. FLOOR DECK SHALL BE 2", WIDE RIB, 18 GAGE, COMPOSITE METAL DECK (UNLESS NOTED OTHERWISE) IN CONFORMANCE WITH THE STEEL DECK INSTITUTE WITH 2.5" MINIMUM NORMAL WEIGHT CONCRETE FILL REINFORCED WITH 4X4-W2.1XW2.1. WWF FLOOR DECK SHALL CONFORM TO THE FOLLOWING MINIMUM SECTION PROPERTIES: "I" = .569" TO THE FOURTH POWER PER FOOT, "Sp" = 0.523" & "Sn" = 0.522" TO THE THIRD POWER PER FOOT.

5. DIAPHRAGM ACTION SHALL BE PROVIDED FOR ALL AREAS WITH WELDING PATTERN IN ACCORDANCE WITH SPECIFIED MANUFACTURER'S RECOMMENDATIONS TO PROVIDE THE FOLLOWING SHEAR CAPACITIES. ROOF: 350 PLF FLOOR: 1000 PLF

6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF METAL DECK FOR THE FOLLOWING OPENINGS: ROOF DRAINS, MECHANICAL PIPE OPENINGS, AND OTHER OPENINGS SMALLER THAN 12X12 INCH

7. REINFORCING IN ADDITION TO THE WELDED WIRE FABRIC SHALL BE PLACED IN THE BOTTOM OF THE FLUTES AT LOCATIONS INDICATED ON THE DRAWINGS.

H. ALUMINUM ANCHORS, SHAPES AND CONDUITS:

1. WHERE ALUMINUM ANCHORS, ALUMINUM SHAPES, OR ALUMINUM ELECTRICAL CONDUITS ARE EMBEDDED IN CONCRETE, ALL CONTACT SURFACES SHALL BE PAINTED WITH ZINC-CHROMATE PRIMER. THE PAINT SHALL BE ALLOWED TO DRY THOROUGHLY BEFORE THE ALUMINUM IS PLACED IN CONTACT WITH THE CONCRETE.

2. ALUMINUM SURFACES TO BE PLACED IN CONTACT WITH CONCRETE, WOOD OR MASONRY CONSTRUCTION, EXCEPT WHERE THE ALUMINUM IS TO BE EMBEDDED IN CONCRETE, SHALL BE GIVEN A HEAVY COAT OF AN ALKALI-RESISTANT BITUMINOUS PAINT BEFORE INSTALLATION. THE PAINT SHALL BE APPLIED AS IT IS RECEIVED FROM THE MANUFACTURER WITHOUT THE ADDITION OF ANY THINNER.

I. LIVE LOADS:

TOWER:

CAB FLOOR:	150 PSF
MECHANICAL AND ELECTRICAL:	250 PSF
STAIRWAYS, CORRIDORS, LOBBIES:	100 PSF
CAB ROOF:	20 PSF
ALL OTHER FLOORS:	150 PSF

BASE-EG BUILDING:

OFFICE FLOORS:	100 PSF
CORRIDORS, LOBBIES:	100 PSF
EQUIPMENT ROOMS:	150 PSF
ROOF	20 PSF
MECHANICAL AND ELECTRICAL:	250 PSF

J. FIRE PROOFING:

SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

K. REINFORCED CONCRETE:

1. APPLICABLE CODE:

CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF ACI 301 AND ACI 318.

2. REINFORCING STEEL DETAILS:

ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS, UNLESS NOTED OTHERWISE, SHALL BE IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315), LATEST EDITION.

3. MATERIALS:

A. ALL CAST-IN-PLACE STRUCTURAL CONCRETE SHALL BE IN ACCORDANCE WITH ACI AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF (f'c) 4000 PSI AT 28 DAYS, NORMAL WEIGHT.

B. REINFORCEMENT:

ALL REINFORCEMENT SHALL BE NEW BILLET STEEL, DEFORMED BARS, CONFORMING TO ASTM A615, GRADE 60 WITH A MINIMUM YIELD STRENGTH OF (fy) 60000 PSI. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185-90a.

4. CONCRETE COVER:

CONCRETE CLEAR COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS.

A. CONCRETE CAST AGAINST GROUND - 3".

B. CONCRETE IN CONTACT WITH GROUND OR EXPOSED TO WEATHER.

(1) BARS GREATER THAN #5 - 2"

(2) BARS #5 OR LESS - 1 1/2"

C. CONCRETE NOT PERMANENTLY EXPOSED TO GROUND OR WEATHER.

(1) BEAMS AND COLUMNS - 1 1/2" TO SPIRALS, TIES, OR STIRRUPS

(2) SLABS AND WALLS - 3/4"

5. CONSTRUCTION JOINTS:

ADDITIONAL CONSTRUCTION JOINTS SHALL HAVE PRIOR APPROVAL OF CONTRACTING OFFICER.

6. PENETRATIONS:

PENETRATIONS OTHER THAN SHOWN SHALL NOT BE ALLOWED WITHOUT CONTRACTING OFFICER'S APPROVAL.

7. BAR LAP SPLICE LOCATIONS FOR GRAVITY LOADS:

ALL BOTTOM BARS MAY BE SPLICED AT SUPPORT ONLY.
TOP BARS MAY BE SPLICED AT CENTER OF SPAN ONLY.

8. RESTRICTED BAR ANCHORAGE:

IN CASES WHERE REINFORCING BARS CANNOT BE EXTENDED AS FAR AS REQUIRED DUE TO THE LIMITED EXTENT OF THE ADJACENT CONCRETE STRUCTURE, THE BARS SHALL EXTEND AS FAR AS POSSIBLE AND END IN STANDARD HOOKS.

9. STANDARD HOOKS:

BARS ENDING IN RIGHT ANGLE BENDS OR HOOKS SHALL CONFORM TO THE REQUIREMENTS OF PAR 7.1, ACI 315.

10. CHAMFERS:

EXCEPT AS OTHERWISE REQUIRED, EXPOSED CONCRETE CORNERS AND EDGES SHALL HAVE 3/4" CHAMFERS, UON.

11. SLABS-ON-GRADE:

SLABS-ON-GRADE, UNLESS NOTED OTHERWISE, SHALL BE 6 INCHES THICK, REINFORCED WITH #3 @ 12" C/C, EW, TOP AND BOTTOM, OVER VAPOR BARRIER.

12. WATER STOP:

WATER STOP SHALL BE GREENSTREAK TYPE-R THERMOPLASTIC ELASTOMERIC RUBBER WATERSTOP, 4" WIDE, DUMBBELL TYPE OR APPROVED EQUAL.

13. BAR SPLICES:

ALL DOWEL AND LAP LENGTHS SHALL BE AS SHOWN IN TABLE, UNLESS NOTED OTHERWISE.

TENSION LAP SPLICE LENGTHS (INCHES) FOR f'c = 4000 PSI AND fy = 60,000 PSI

BAR SIZE	CLASS	TOP BARS CATEGORY						OTHER BARS CATEGORY					
		1	2	3	4	5	6	1	2	3	4	5	6
#3	A	16	16	16	16	16	16	13	13	13	13	13	13
	B	21	21	21	21	21	21	16	16	16	16	16	16
#4	A	23	22	22	22	22	22	18	17	17	17	17	17
	B	30	28	28	28	28	28	23	22	22	22	22	22
#5	A	36	29	27	27	27	27	27	22	21	21	21	21
	B	46	37	35	35	35	35	36	29	27	27	27	27
#6	A	50	40	35	32	32	32	39	31	27	25	25	25
	B	65	52	46	42	42	42	50	40	35	32	32	32
#7	A	69	55	48	39	38	38	53	42	37	30	29	29
	B	89	71	63	50	49	49	69	55	48	39	38	38
#8	A	90	72	63	51	45	43	70	56	49	39	35	33
	B	117	94	82	66	49	56	90	72	63	51	45	43
#9	A	114	91	80	64	57	48	88	70	62	49	44	37
	B	148	119	104	83	74	63	114	91	80	64	57	48
#10	A	145	116	102	81	73	58	112	89	78	63	56	45
	B	188	151	132	106	94	76	145	116	102	81	73	58
#11	A	178	142	125	100	89	71	137	110	96	77	69	55
	B	231	185	162	130	116	93	178	142	125	100	89	71

STRUCTURAL ELEMENT	CONCRETE COVER	CATEGORY, ACCORDING TO CENTER-TO-CENTER BAR SPACING			
		$\leq 3d_b$	$>3d_b$ $<4d_b$	$\geq 4d_b$ $<6d_b$	$\geq 6d_b$
BEAMS, COLUMNS, AND INNER LAYER OF WALLS OR SLABS	$\leq d_b$	1	1	1	1
	$>d_b$	1	3	5	6
OTHER	$\leq d_b$	1	1	1	2
	$>d_b < 2d_b$	1	3	3	4
	$\geq 2d_b$	1	3	5	6

WHERE d_b = NOMINAL DIAMETER OF A BAR

A. CLASS A = EMBEDMENT OR STAGGERED LAP LENGTH; CLASS B = TYPICAL LAP LENGTH

B. LAP SPLICES MAY BE CLASS A ONLY IF NOT MORE THAN 50% OF BARS ARE LAP SPLICED WITHIN ONE LAP LENGTH.

C. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BARS.

D. OTHER BARS ARE ALL BARS OTHER THAN TOP BARS.

E. VALUES OF l_b FOR BARS IN BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT MEETING MINIMUM REQUIREMENTS FOR STIRRUPS IN ACI 11.5.4 AND 11.5.5.3, OR MEETING TIE REQUIREMENTS IN ACI 7.10.5; AND ARE BASED ON MINIMUM COVER SPECIFIED IN ACI 7.7.1.

F. #11 AND SMALLER EDGE BARS WITH C/C SPACING NOT LESS THAN $6d_b$ ARE ASSUMED TO HAVE A SIDE COVER NOT LESS THAN $2.5d_b$. OTHERWISE, CATEGORY 5 APPLIES RATHER THAN CATEGORY 6.

S01

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80383
REGISTERED
PROFESSIONAL ENGINEER
6/27/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

GENERAL NOTES
ATCT/BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

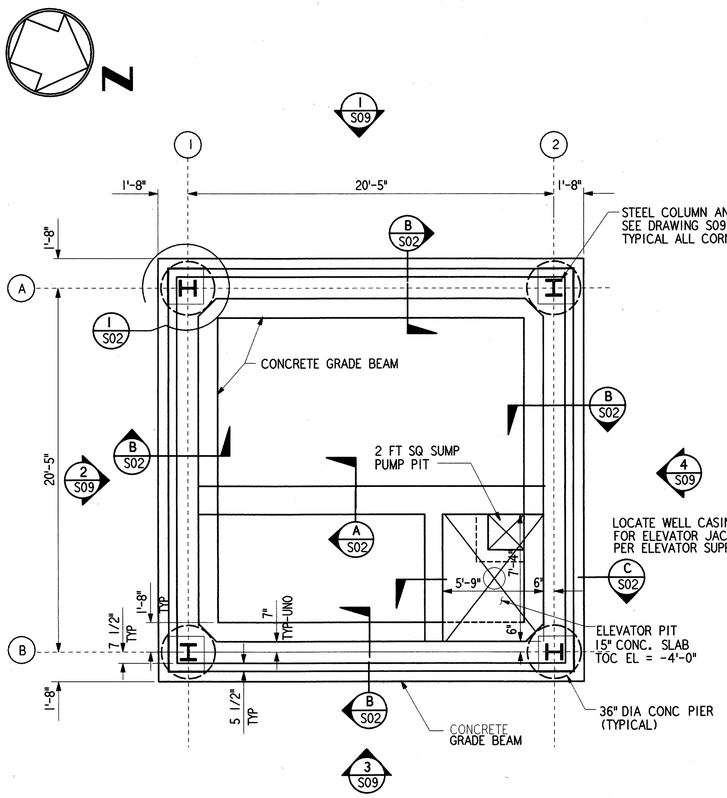
SUBMITTED: SYSTEMS ENGINEER, ANI-640	APPROVED: MANAGER TERMINAL PLATFORM, ANI-640
DESIGNED: A. RAB/N. P.	DATE: 06-22-01
REVIEWED: N. PAREKH	ISSUED BY AIRWAY FACILITIES DIVISION
ORIG. DFT.: S. RAJPREEJA	DRAWING NUMBER: ADS-ATCT- S01
FACILITY:	

REF. DWG.:

FILENAME:

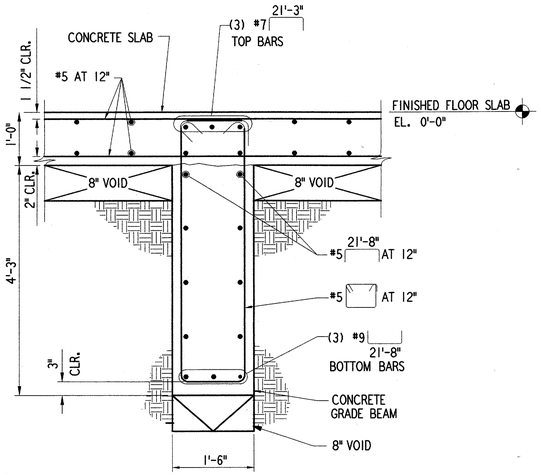
NOTES:

1. FOR ADDITIONAL NOTES SEE DRAWING S01.



FOUNDATION PLAN

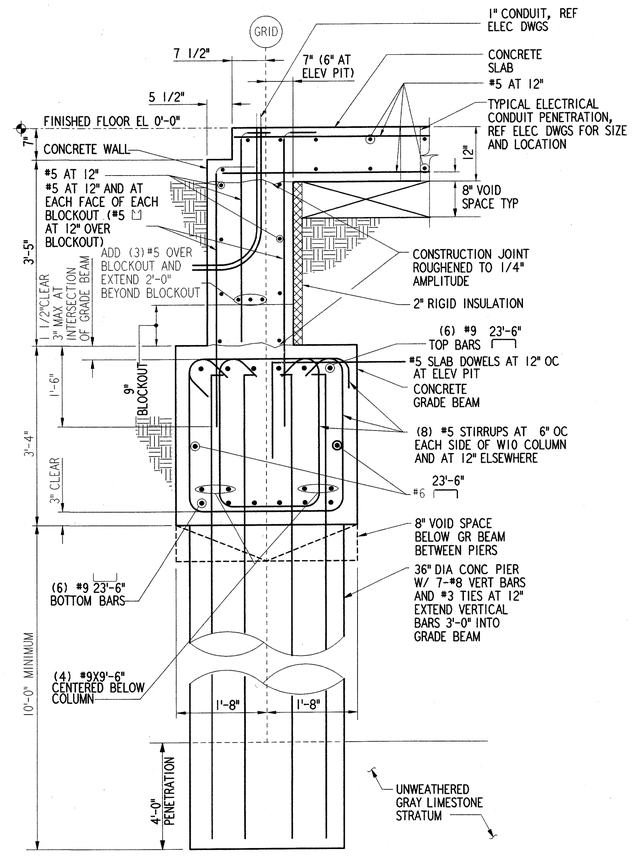
1/4" = 1'-0"



SECTION A S02

3/4" = 1'-0"

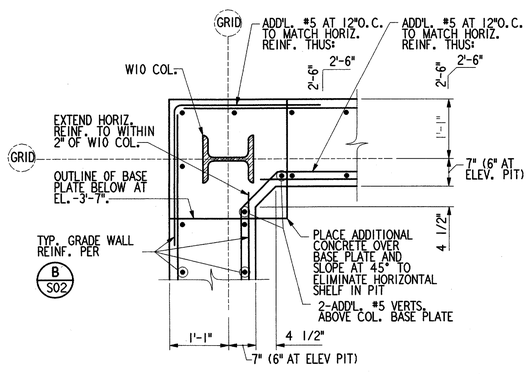
REF S02 S04



SECTION B S02

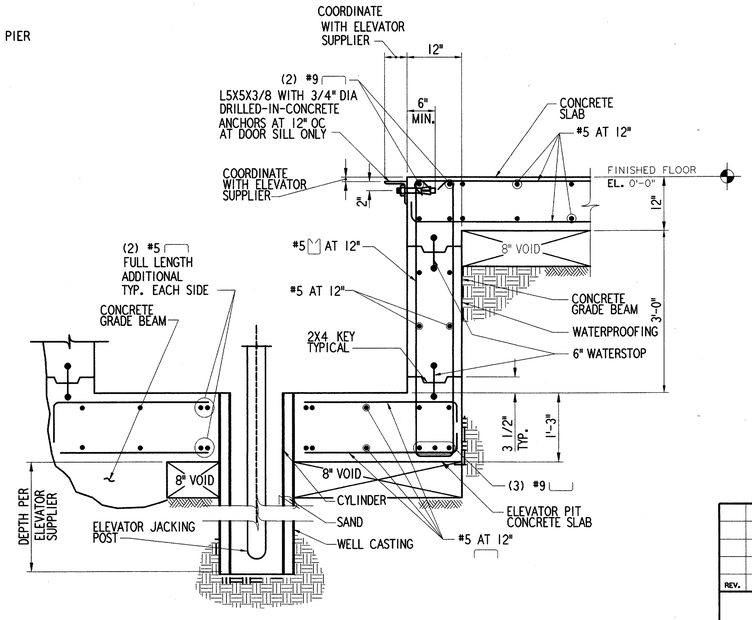
3/4" = 1'-0"

REF S02 S04



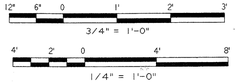
DETAIL 1 S02

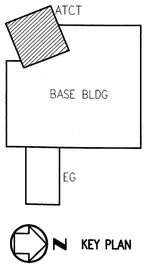
3/4" = 1'-0"



SECTION C S02

3/4" = 1'-0"





S02

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80393
REGISTERED
PROFESSIONAL ENGINEER
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

FOUNDATION PLAN, SECTIONS & DETAILS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Nikhil Parekh, SYSTEMS ENGINEER, ANI-640

APPROVED: Charles Hall, MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: A. RAB
REVIEWED: N. PAREKH
ORIG. DFT.: S. RAJPREEJA
FACILITY:

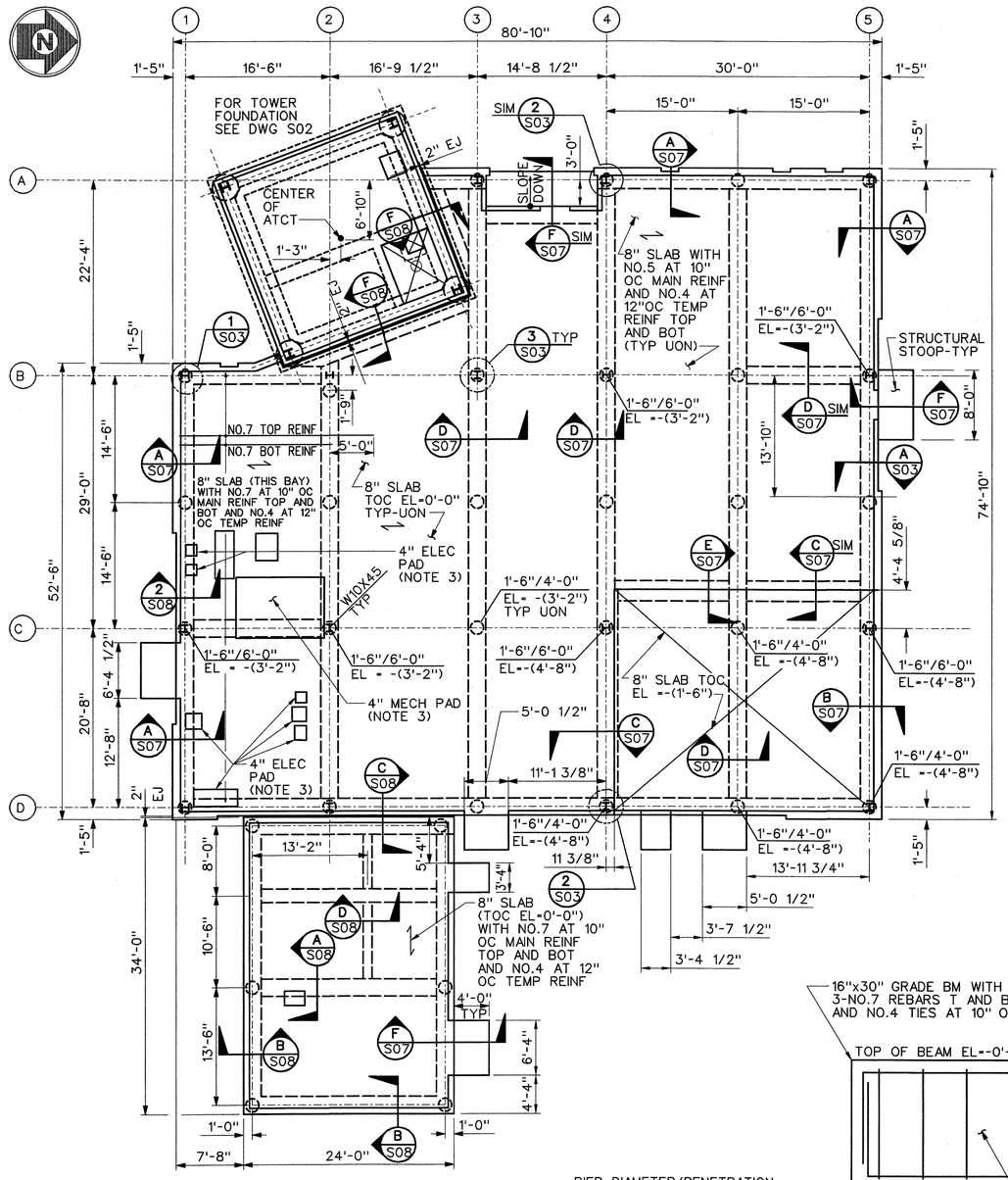
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

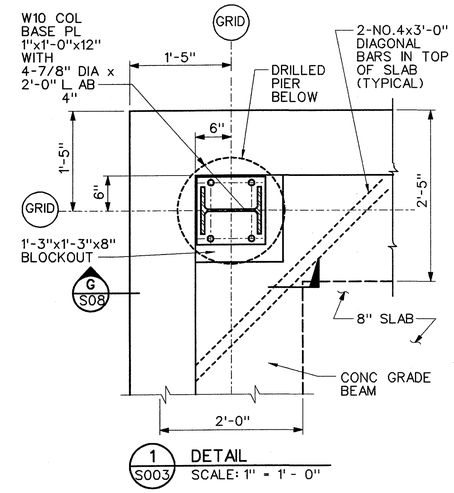
DRAWING NUMBER: ADS-ATCT- S02

FILENAME:

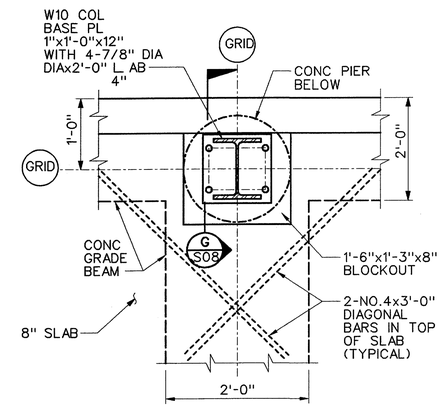
REF. DWG.:



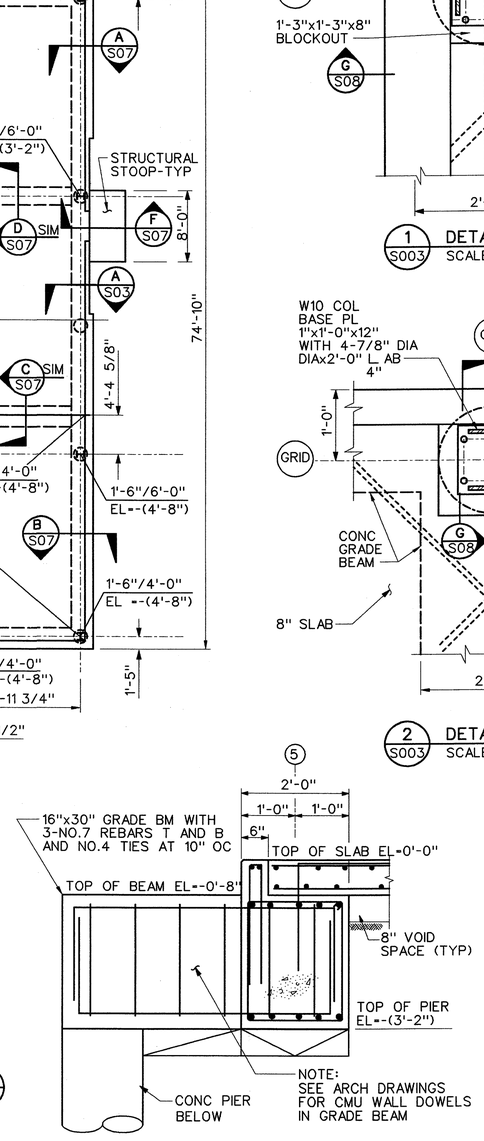
FOUNDATION AND FIRST FLOOR PLAN
SCALE: 1/8" = 1' - 0"



1 S003 DETAIL
SCALE: 1" = 1' - 0"

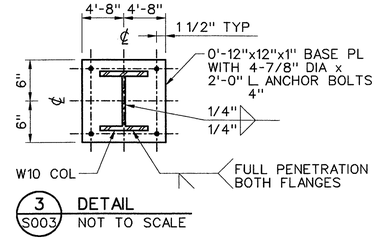


2 S003 DETAIL
SCALE: 1" = 1' - 0"

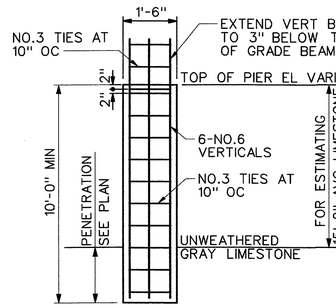


A S003 SECTION
SCALE: 3/4" = 1' - 0"

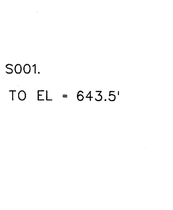
PIER LEGEND



3 S003 DETAIL
NOT TO SCALE



4 S003 CONC PIERS DETAIL
SCALE: 3/8" = 1' - 0"



KEY PLAN
NOT TO SCALE

NOTES:

1. FOR GENERAL NOTES SEE DRAWING S001.
2. FINISHED FLOOR EL = 0'-0" EQUALS TO EL = 643.5' SHOWN ON CIVIL DRAWING.

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

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

2' 0 2' 4' 6'
SCALE: 3/8" = 1'-0"

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

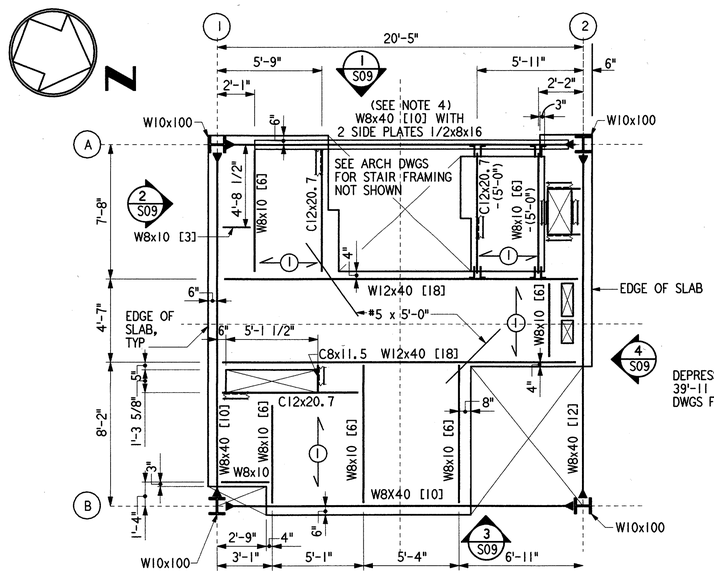
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
FOUNDATION PLAN
BASE-EG BUILDING

ADDISON ADDISON AIRPORT TX

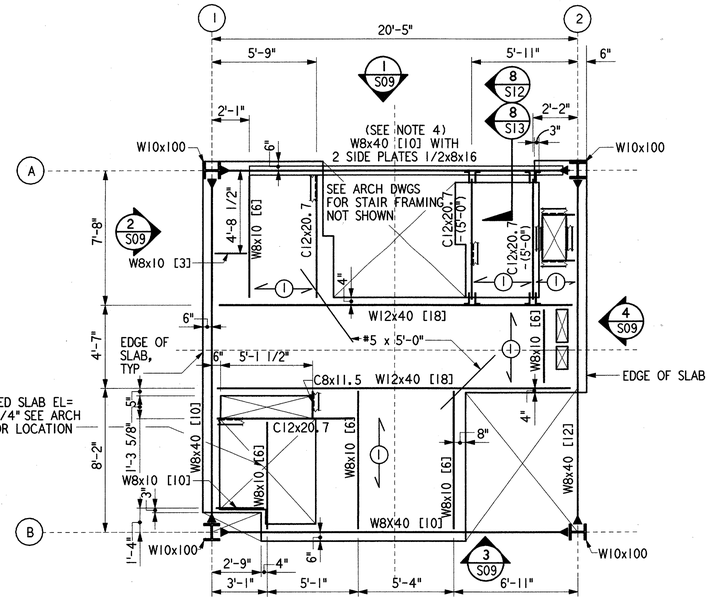
REVIEWED BY	SUBMITTED BY	APPROVED BY
	Edward Hackett	Antonio Ramos
	PROJECT ENGINEER, ANI-640	PLATFORM MANAGER, ANI-640

DESIGNED	ED HACKETT	ISSUED BY	DATE	06-23-03	JCN	9700164	REV
DRAWN	KS	NAS IMPLEMENTATION ANI-600	DRAWING NO	ADS-D-ATCT-S003			A
CHECKED							



TOP INTERMEDIATE LEVEL FRAMING PLAN

1/4" = 1'-0" TOS = 29'-7 1/2" (UON)



JUNCTION LEVEL FRAMING PLAN

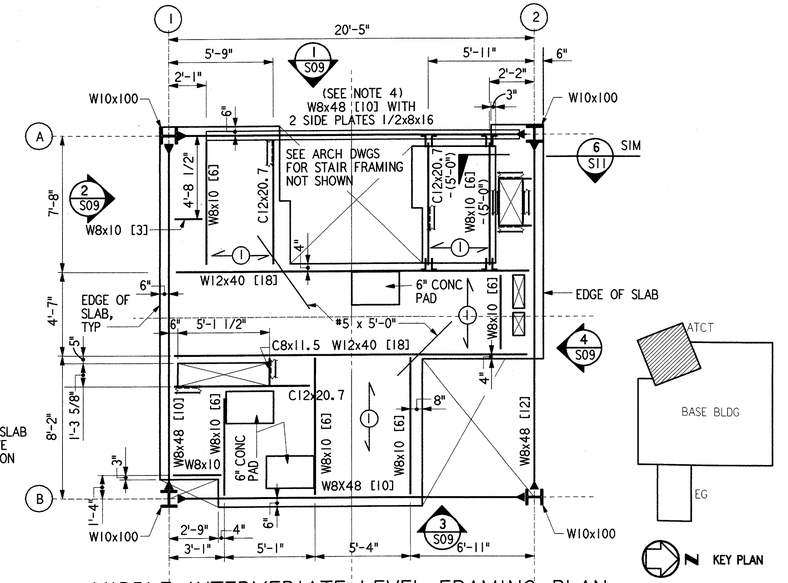
1/4" = 1'-0" TOS = 39'-7 1/2" (UON)

NOTES:

- ←①→ DIRECTION OF 2"x18 GAGE STEEL DECK WITH 2 1/2" NORMAL WEIGHT CONCRETE TOPPING AND 4x4-W2.1 x W2.1 WELDED WIRE FABRIC.
- [10] NUMBER OF 3/4" DIAMETER x4" WELDED HEADED STUDS EVENLY SPACED IN CONCRETE SLAB ON STEEL BEAM.
- (-4") DIFFERENCE IN TOP OF STEEL ELEVATION OF STEEL BEAM FROM TYPICAL TOP OF STEEL ELEVATION AT THIS LEVEL.
- ▶— MOMENT CONNECTION WITH COMPLETE PENETRATION WELDS AT TOP AND BOTTOM FLANGES OF BEAM.

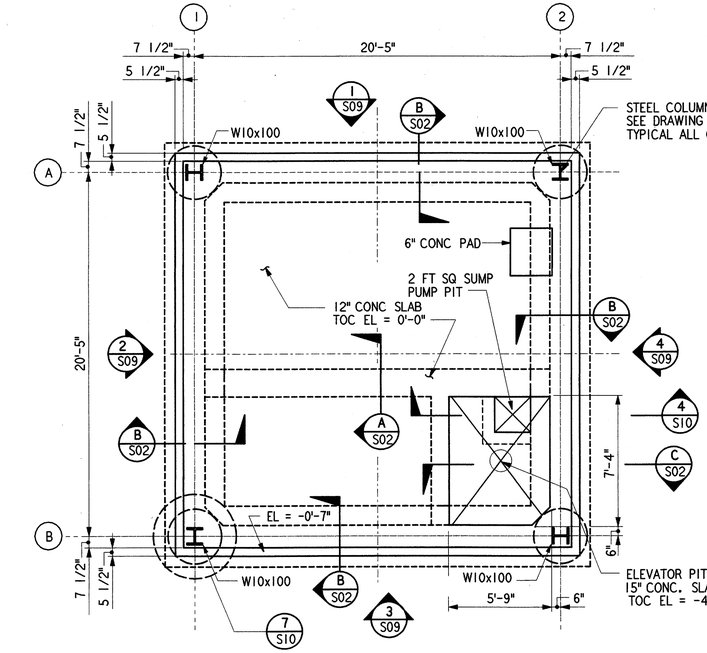
GENERAL NOTES :

1. FOR TOWER FRAME ELEVATIONS SEE SHEET S09.
2. FOR BEAM SIZE AND TOP OF STEEL ELEVATIONS NOT SHOWN SEE SHEET S09.
3. COORDINATE EXACT DIMENSIONS OF OPENING FOR DUCT PENETRATION WITH MECHANICAL CONTRACTOR.
4. ALL COLUMNS W10x100 AND ALL BEAMS W8x40 AND W8X48 ARE GRADE 50 TYPICAL ALL LEVELS.



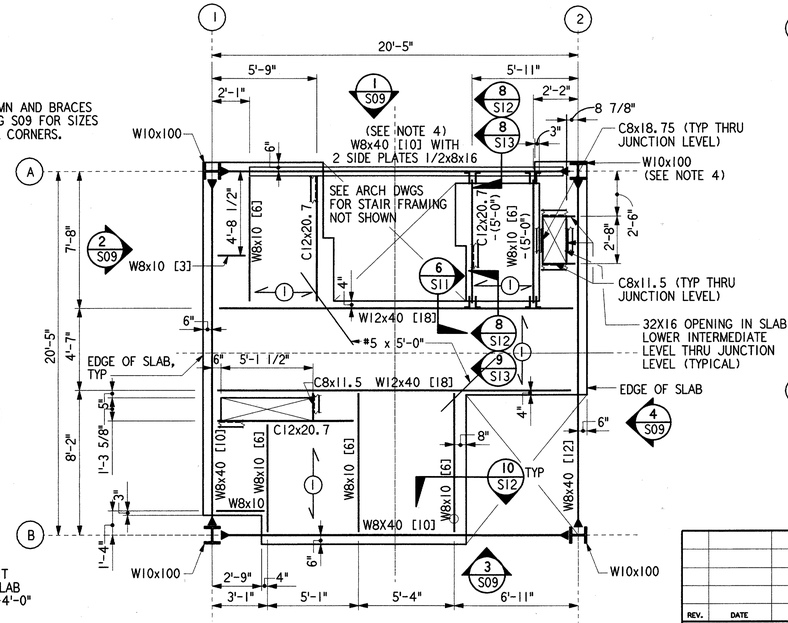
MIDDLE INTERMEDIATE LEVEL FRAMING PLAN

1/4" = 1'-0" TOS = 19'-7 1/2" (UON)



GROUND LEVEL FRAMING PLAN

1/4" = 1'-0" TOC = 0'-0" (UON)



LOWER INTERMEDIATE LEVEL FRAMING PLAN

1/4" = 1'-0" TOS = 9'-7 1/2" (UON)

1/4" = 1'-0"

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80393
REGISTERED PROFESSIONAL ENGINEER
6/22/11

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

FLOOR FRAMING PLANS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: A. RAB
REVIEWED: N. PAREKH
ORIG. DFT.: S. RAJPREEJA
FACILITY:

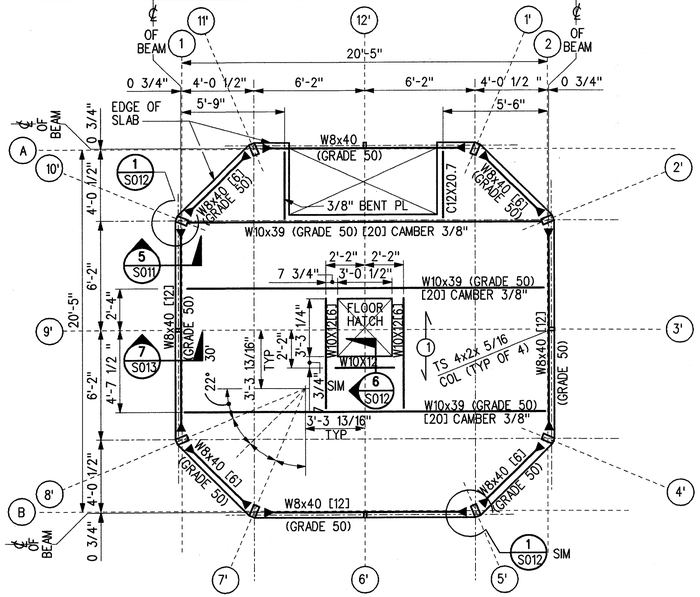
ISSUED BY
AIRWAY FACILITIES
DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- S04

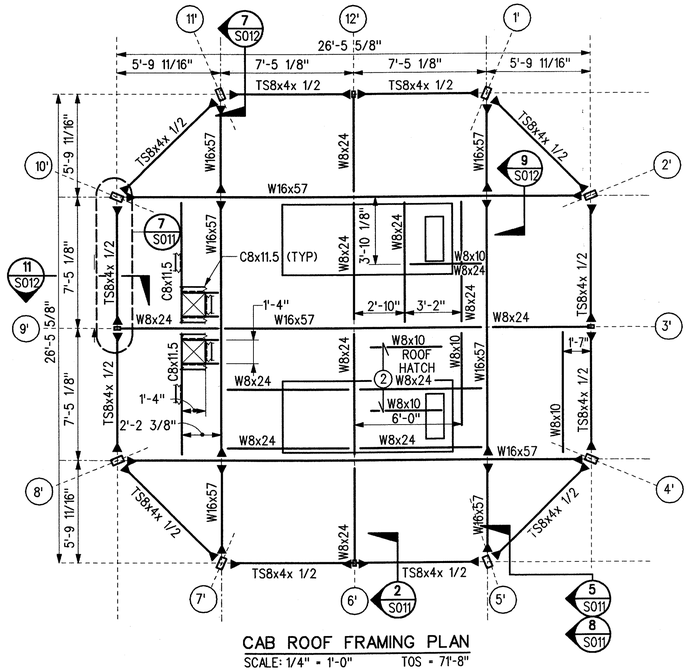
S04

FILENAME:

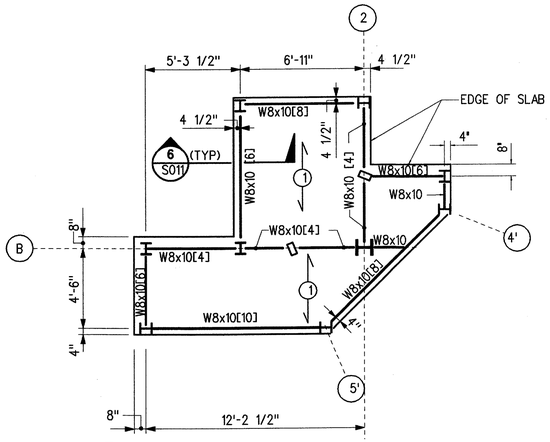
REF. DWG.:



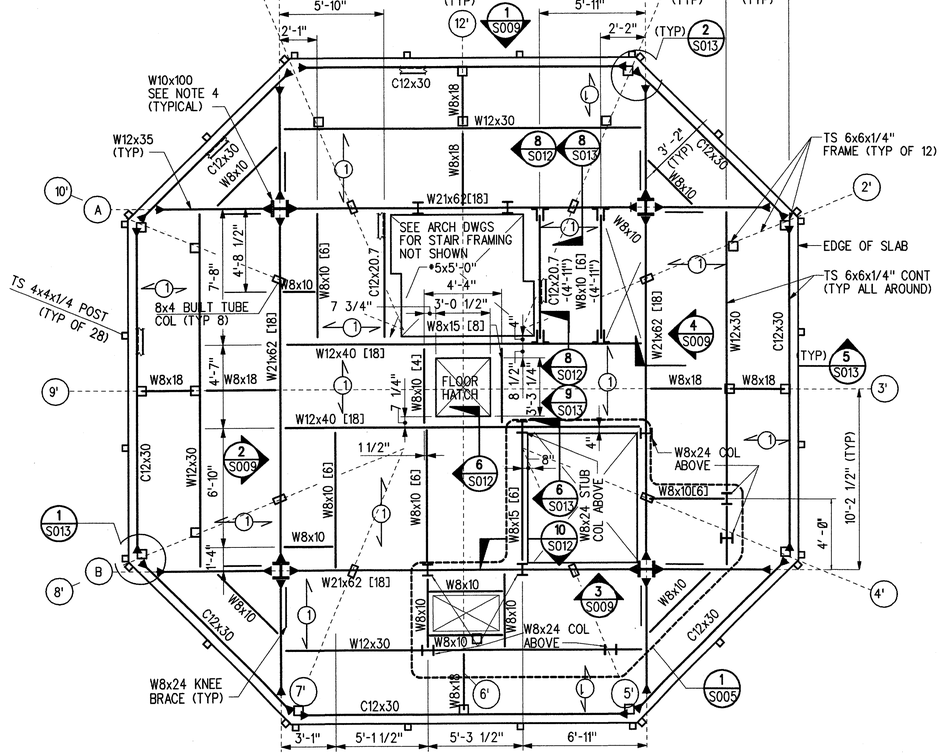
CAB LEVEL FRAMING PLAN
SCALE: 1/4" = 1'-0" TOS = 57'-5 1/2"



CAB ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0" TOS = 71'-8"



1 S005 RAISED LEVEL FRAMING PLAN
SCALE: 1/4" = 1'-0" TOS = 52'-2"



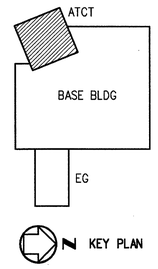
CABLE ACCESS AND WALKWAY LEVEL FRAMING PLAN
SCALE: 1/4" = 1'-0" TOS = 49'-5 1/2" (UON)

NOTES:

1. DIRECTION OF 2"x18 GAGE STEEL DECK WITH 2 1/2" NORMAL WEIGHT CONCRETE TOPPING AND 4x4-W2.1 x W2.1 WELDED WIRE FABRIC.
2. DIRECTION OF 1 1/2"x20 GAGE STEEL DECK.
- [10] NUMBER OF 3/4" DIAMETER x 4" WELDED HEADED STUDS EVENLY SPACED IN CONCRETE SLAB ON STEEL BEAM.
- (-4") DIFFERENCE IN TOP OF STEEL ELEVATION OF STEEL BEAM FROM TYPICAL TOP OF STEEL ELEVATION AT THIS LEVEL.
- MOMENT CONNECTION WITH COMPLETE PENETRATION WELDS AT TOP AND BOTTOM FLANGES OF BEAM.

GENERAL NOTES:

1. FOR TOWER FRAME ELEVATIONS SEE SHEET S009.
2. FOR BEAM SIZE AND TOP OF STEEL ELEVATIONS NOT SHOWN SEE SHEET S009.
3. COORDINATE EXACT LOCATION AND DIMENSIONS OF OPENINGS FOR DUCT PENETRATION WITH MECHANICAL CONTRACTOR.
4. ALL COLUMNS W10x100 AND ALL BEAMS W8x40 ARE GRADE 50 TYPICAL ALL LEVELS.



REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

FLOOR FRAMING PLANS

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY: Edward Hackett, PROJECT ENGINEER, ANI-640	APPROVED BY: PLATFORM MANAGER, ANI-640	
	DESIGNED: ED HACKETT	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03 JCN: 9700164
	DRAWN: LTM		DRAWING NO: ADS-D-ATCT-S005 REV: A
	CHECKED		

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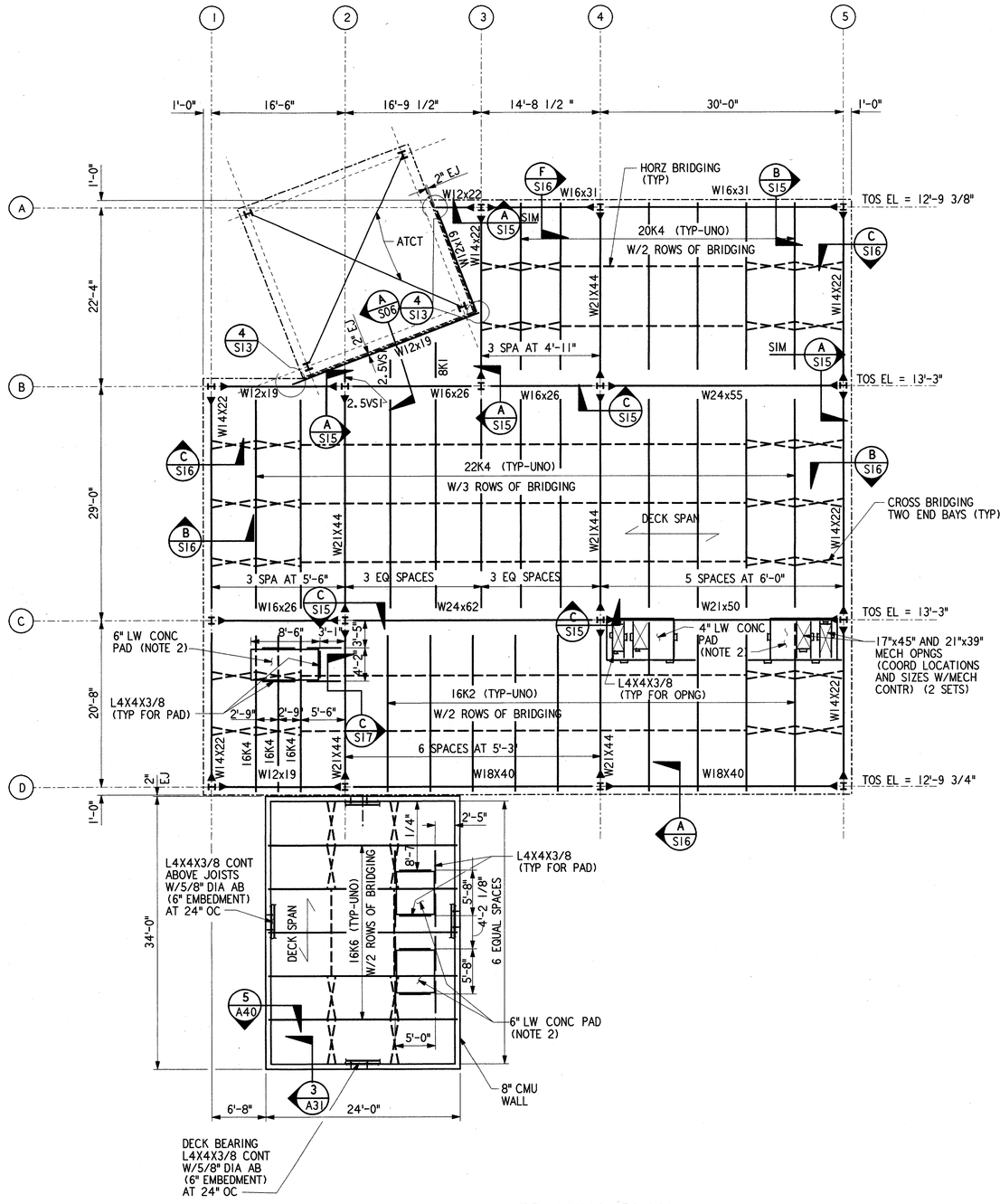
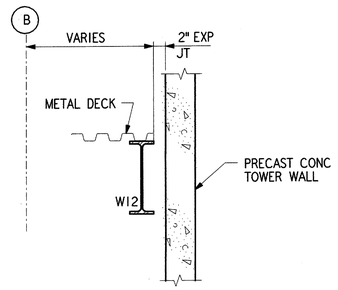
07/17/2003 04:54:38 PM kasm



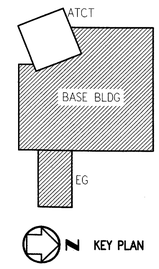
ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:

1. SEE S01 FOR GENERAL NOTES.
2. COORDINATE EXACT LOCATION AND SIZE OF PAD AND OPENINGS WITH MECHANICAL CONTRACTOR.
3. ⟵ DENOTES MOMENT CONNECTION.
4. ROOF DRAIN AND VENT OPENINGS THROUGH ROOF DECK SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR. ROOF OPENINGS LARGER THAN 6 INCH DIAMETER SHALL BE REINFORCED WITH A 17 GAGE PLATE. PLATE DIMENSIONS SHALL BE MINIMUM 4 INCHES ALL AROUND LARGER THAN THE OPENING. ATTACH PLATE TO ROOF DECK PER DECK MANUFACTURER'S RECOMMENDATION.
5. PROVIDE SINGLE LINE OF BOTTOM CHORD BRIDGING NEAR THE FIRST BOTTOM CHORD PANEL POINT. (NET WIND UPLIFT = 10 POUNDS PER SQUARE FOOT).



SECTION B/A S06
1" = 1'-0"



S06

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

NIKHIL B. PAREKH 80393 REGISTERED PROFESSIONAL ENGINEER 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ROOF FRAMING PLAN
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

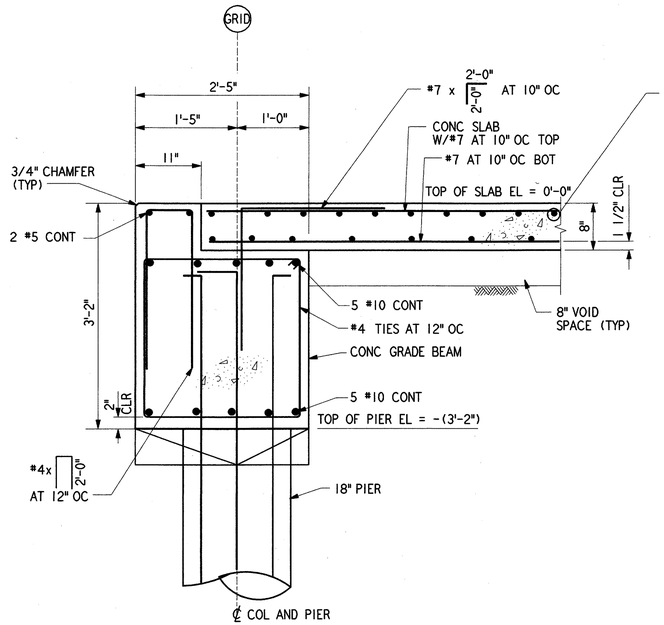
DESIGNED: N. PAREKH
REVIEWED: A. RAB
ORIG. DFT.: N. PAREKH
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

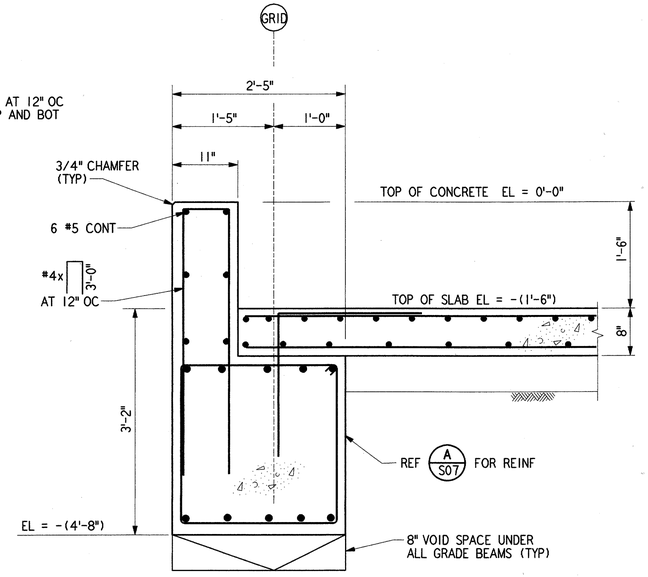
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- S06

FILENAME:

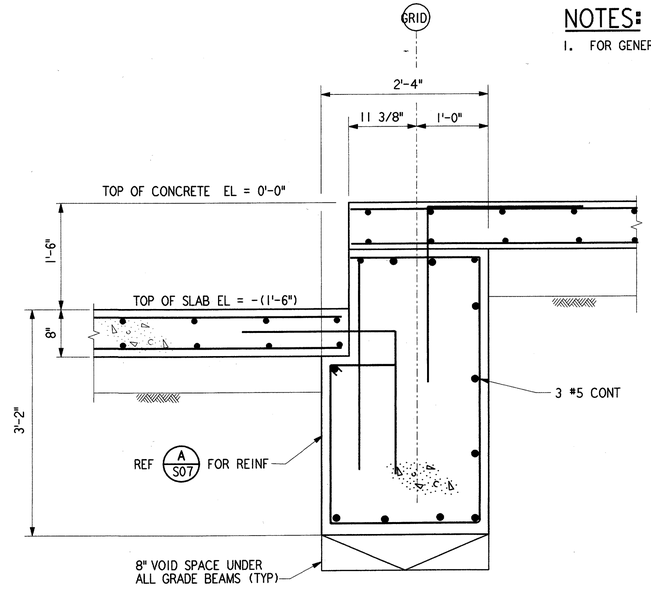
REF. DWG.:



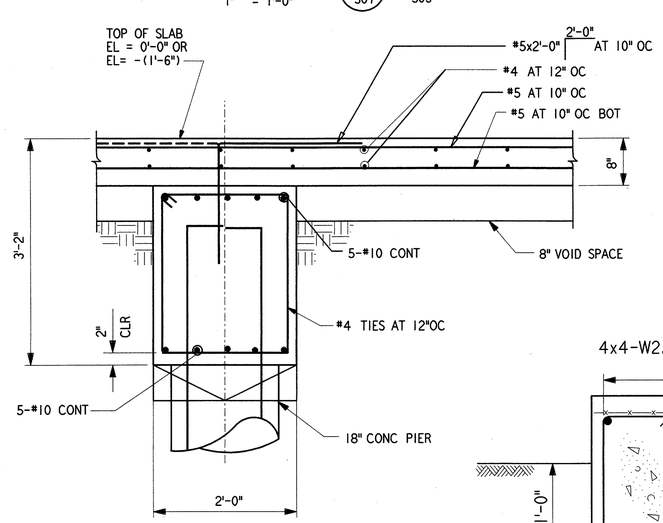
SECTION A S07 REF S03
1" = 1'-0"



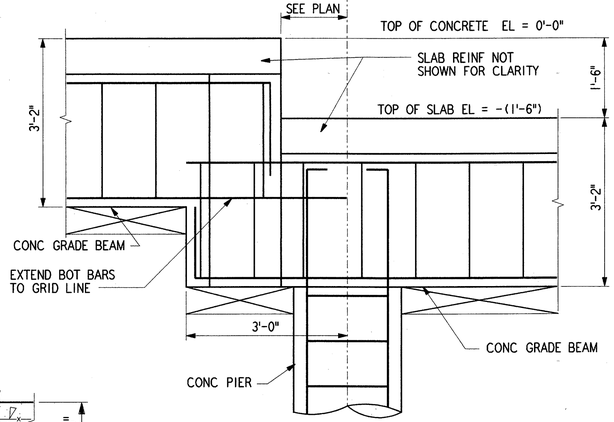
SECTION B S07 REF S03
1" = 1'-0"



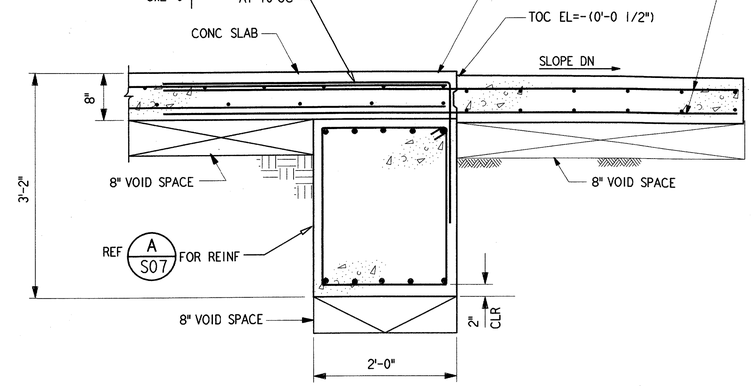
SECTION C S07 REF S03
1" = 1'-0"



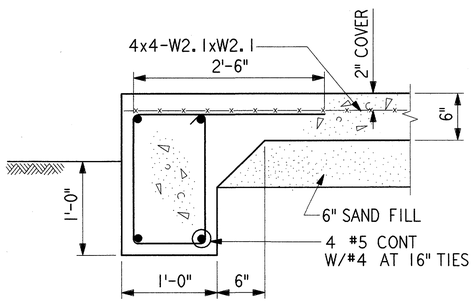
SECTION D S07 REF S03
1" = 1'-0"



SECTION E S07 REF S03
3/4" = 1'-0"



SECTION F S07 REF S03
3/4' = 1'-0"



TYPICAL EQUIPMENT PAD

SECTION G S07
1" = 1'-0"

12" 9" 6" 3" 0 1' 2"
1"=1'-0"

12" 6" 0 1' 2" 3"
3/4" = 1'-0"

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

NIKHIL B. PAREKH
80393
REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS
6/6/11

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTIONS AND DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: N. PAREKH
REVIEWED: A. RAB
ORIG. DFT.: N.PAREKH
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

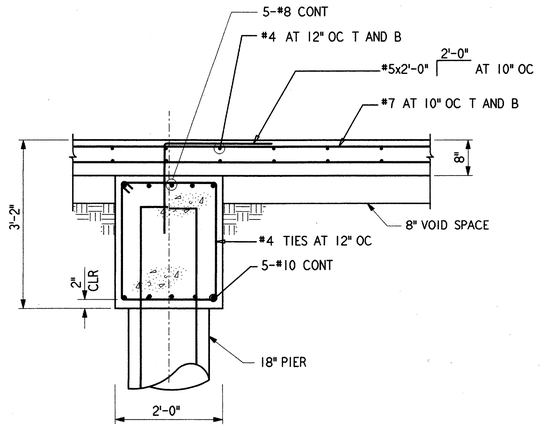
DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- S07

S07

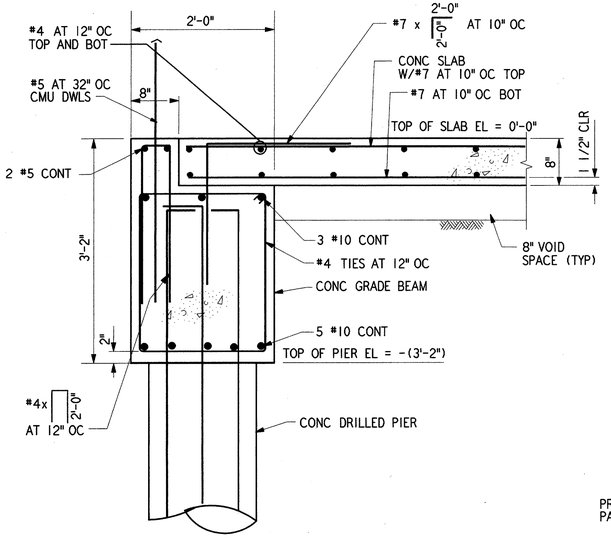
NOTES:
1. FOR GENERAL NOTES SEE DRAWING S01.

REF. DWG.:

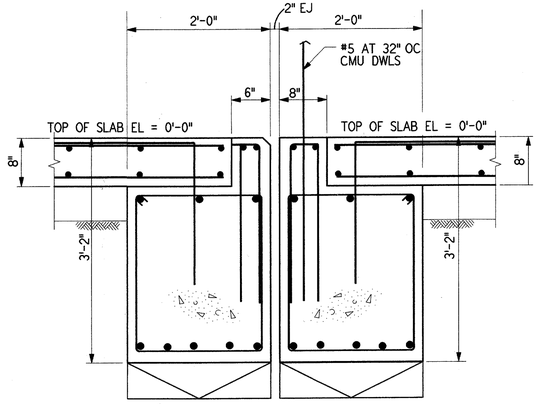
FILENAME:



SECTION A S08 REF S03
3/4" = 1'-0"



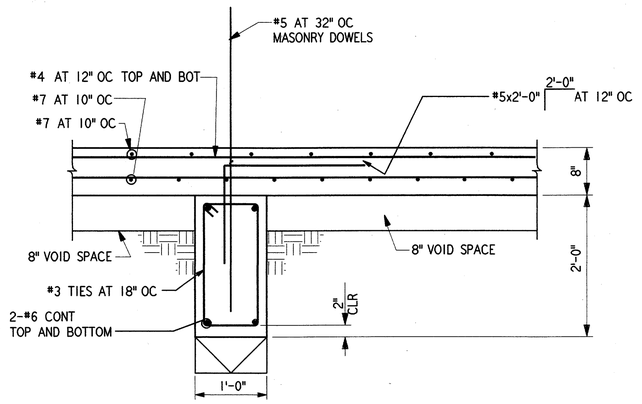
SECTION B S08 REF S03
1" = 1'-0"



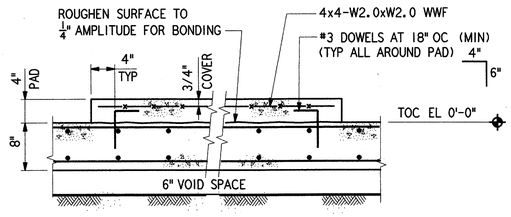
SECTION C S08 REF S03
1" = 1'-0"

NOTES:

1. FOR GENERAL NOTES SEE DRAWING S01.

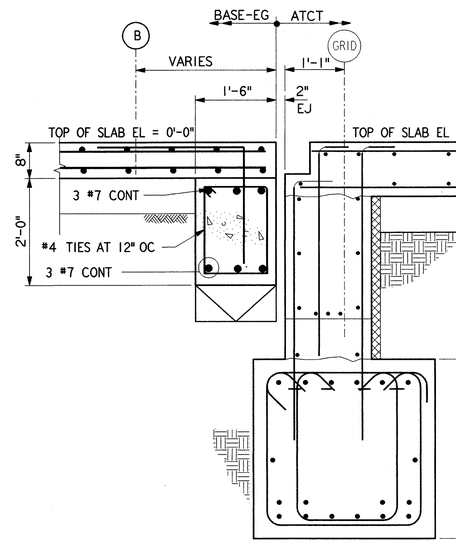


SECTION D S08 REF S03
1" = 1'-0"

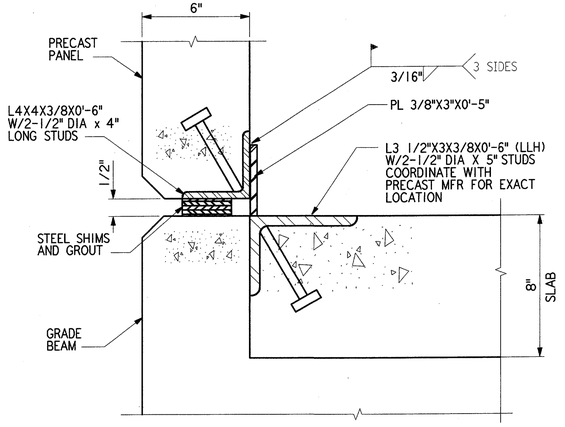


TYPICAL CONCRETE PAD

SECTION E S08 REF S03
1" = 1'-0"

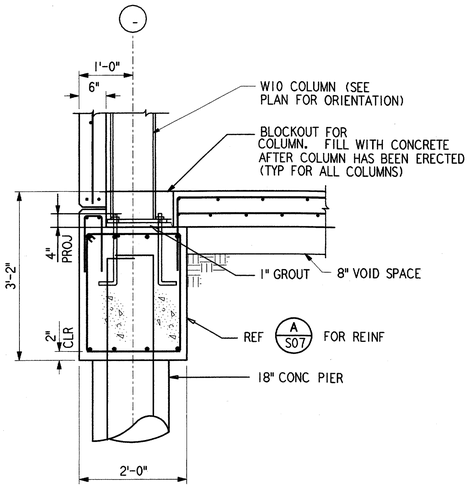


SECTION F S08 REF S03
3/4" = 1'-0"

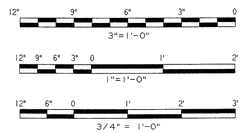


PRECAST BASE CONNECTION

DETAIL 2 S08 REF S03
3" = 1'-0"



SECTION G S08 REF S03
3/4" = 1'-0"



S08

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTIONS AND DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: N. PAREKH
REVIEWED: A. RAB
ORIG. DFT.: N. PAREKH
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

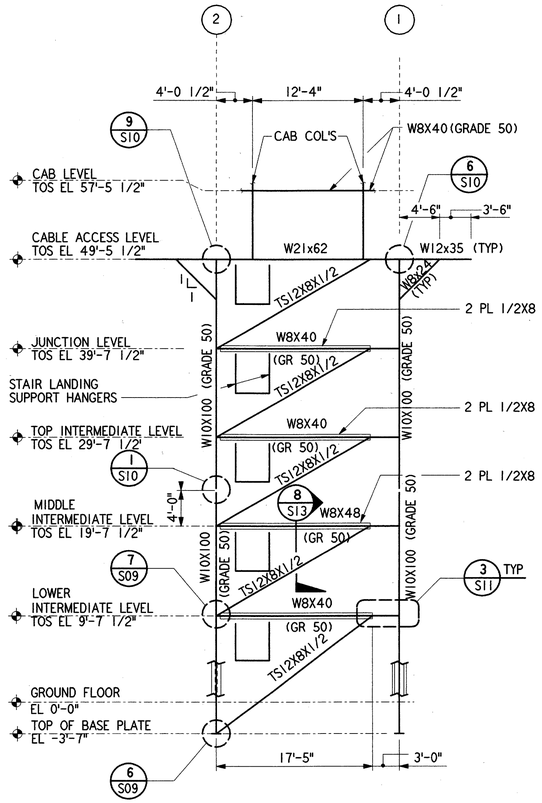
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- S08

STATE OF TEXAS — NIKHIL B. PAREKH — 80393 — REGISTERED PROFESSIONAL ENGINEER

PARSONS
DALLAS, TX

REF. DWG.:

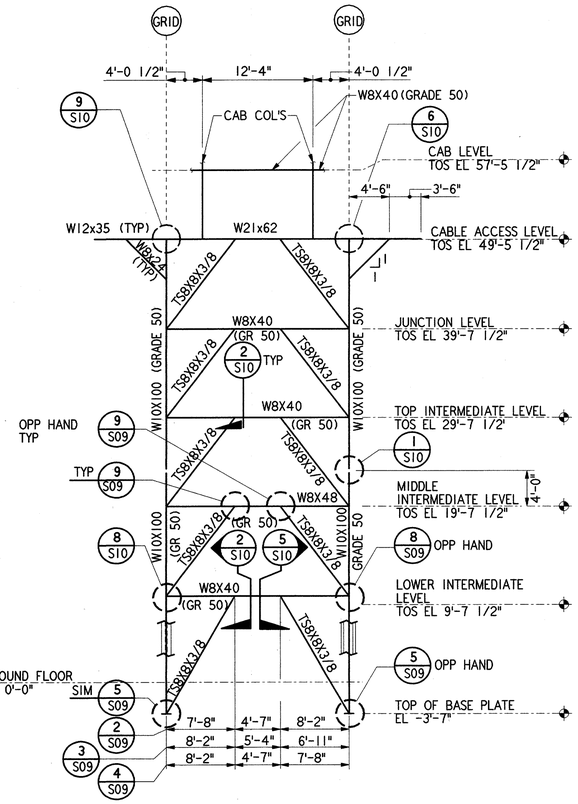
FILENAME:



TOWER FRAME ELEVATION

1/8" = 1'-0"

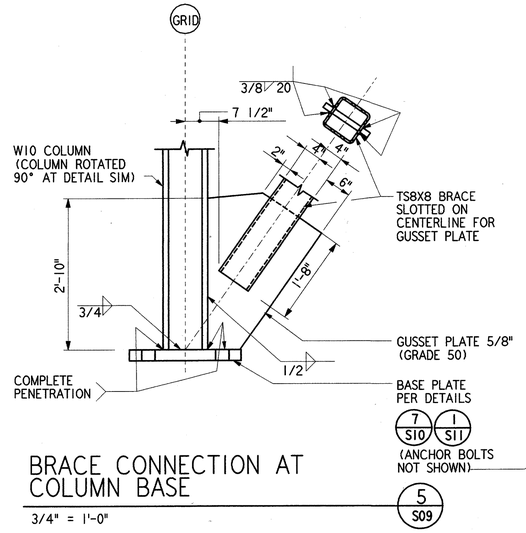
1 S09 REF S04 S05



TOWER FRAME ELEVATION

1/8" = 1'-0"

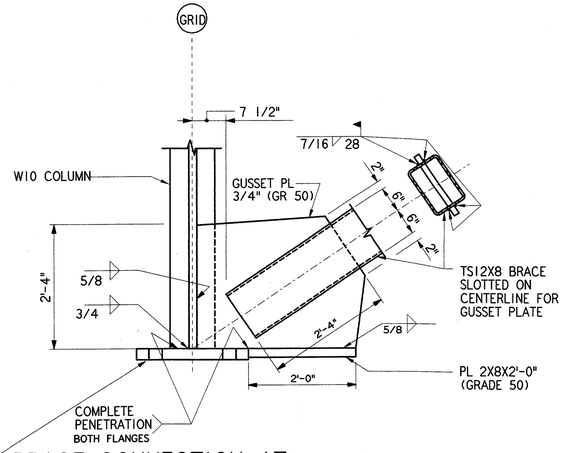
2 S09 3 S09 4 S09 REF S04 S05



BRACE CONNECTION AT COLUMN BASE

3/4" = 1'-0"

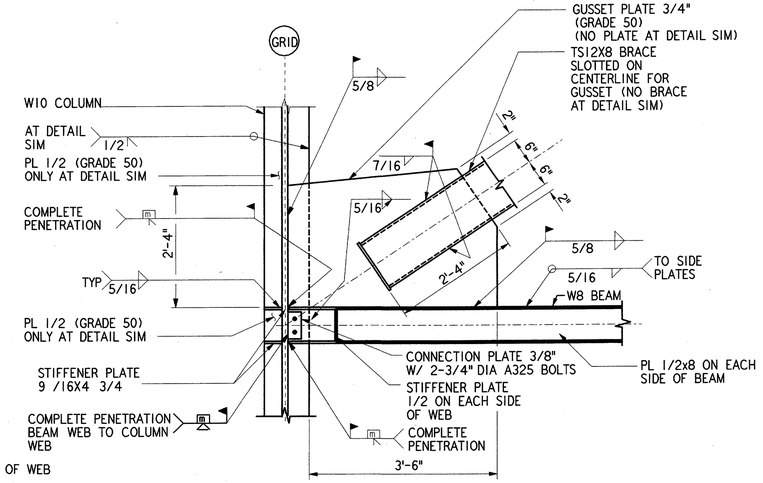
5 S09



BRACE CONNECTION AT COLUMN BASE

3/4" = 1'-0"

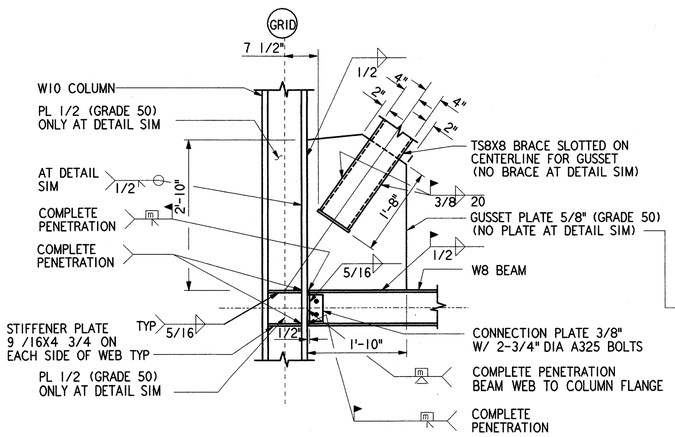
6 S09



BRACE CONNECTION AT COLUMN AND BEAM

3/4 = 1'-0"

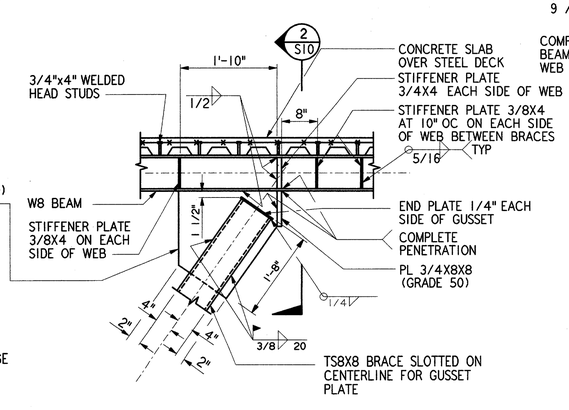
7 S09 REF S09 S14



BRACE CONNECTION AT COLUMN AND BEAM

3/4" = 1'-0"

8 S09 REF S09 S10 S14



BRACE CONNECTION AT LINK BEAM

3/4" = 1'-0"

9 S09 REF S09 S10 S14

3/4" = 1'-0"

1/8" = 1'-0"

S09

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80393
REGISTERED
PROFESSIONAL ENGINEER
6/22/06

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

FRAME ELEVATIONS, SECTIONS AND DETAILS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

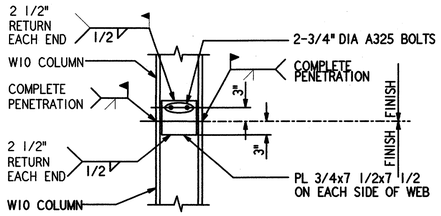
DESIGNED: A. RAB
REVIEWED: N. PAREKH
ORIG. DFT.: S.RAJPREEJA
FACILITY:

ISSUED BY
AIRWAY FACILITIES
DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- S09

FILENAME:

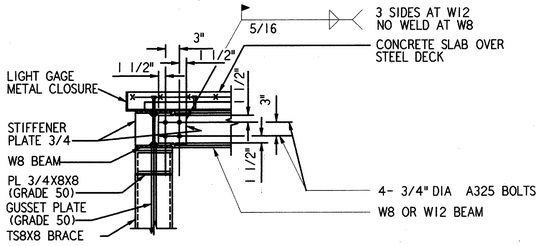
REF. DWG.:



COLUMN SPLICE

3/4" = 1'-0"

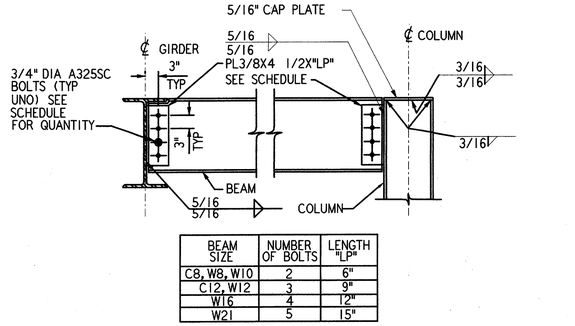
1 S10 — REF S09



BEAM CONNECTION AT LINK BEAM

3/4" = 1'-0"

2 S10 — REF S09

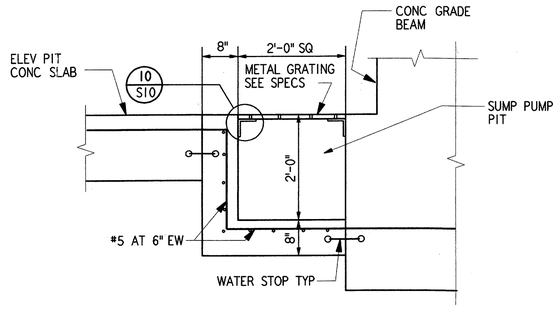


BEAM SIZE	NUMBER OF BOLTS	LENGTH "LP"
C8, W8, W10	2	6"
C12, W12	3	9"
W16	4	12"
W21	5	15"

BEAM CONNECTION DETAIL

NOT TO SCALE

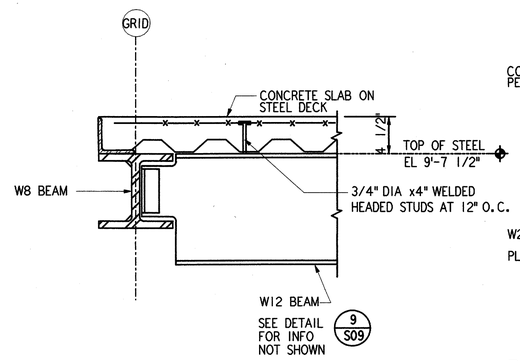
3 S10 — REF S12



SECTION

3/4" = 1'-0"

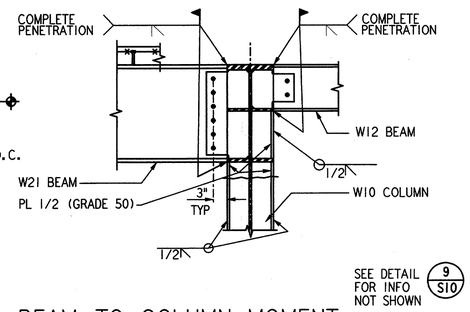
4 S10 — REF S04



BEAM CONNECTION AT BEAM

3/4" = 1'-0"

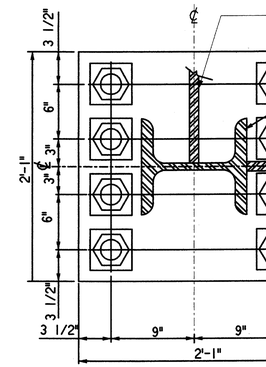
5 S10 — REF S09



BEAM TO COLUMN MOMENT CONNECTION

3/4" = 1'-0"

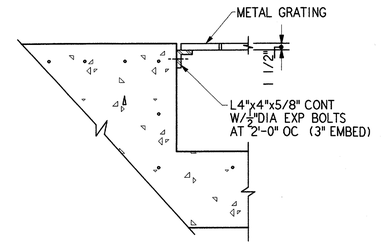
6 S10 — REF S05 S09 S10



COLUMN BASE PLATE PLAN

1 1/2" = 1'-0"

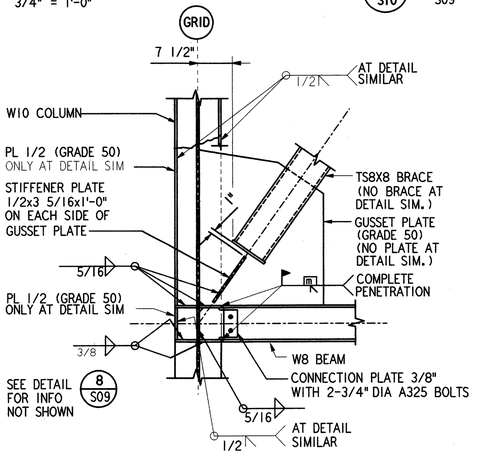
7 S10 — REF S04 S09



DETAIL

3/4" = 1'-0"

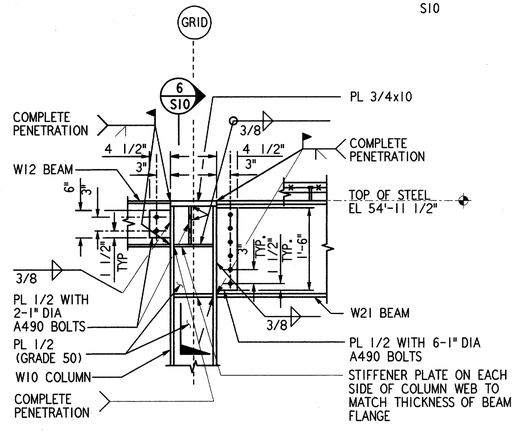
10 S10



BRACE CONNECTION AT COLUMN AND BEAM

3/4" = 1'-0"

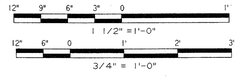
8 S10 — REF S09



BEAM TO COLUMN MOMENT CONNECTION

3/4" = 1'-0"

9 S10 — REF S05 S09 S10



S10

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80393
REGISTERED PROFESSIONAL ENGINEER
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTIONS AND DETAILS ATCT

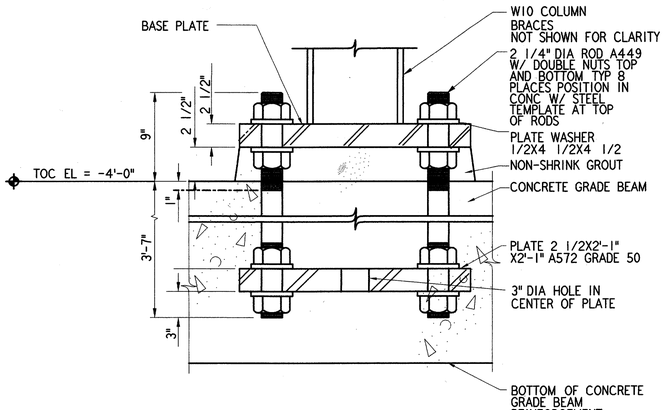
ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: Lauren Ray, SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: A. RAB	ISSUED BY AIRWAY FACILITIES DIVISION	DATE: 06-22-01
REVIEWED: N. PAREKH		DRAWING NUMBER: ADS-ATCT- S10
ORIG. DFT.: N. PAREKH		
FACILITY:		

FILENAME:

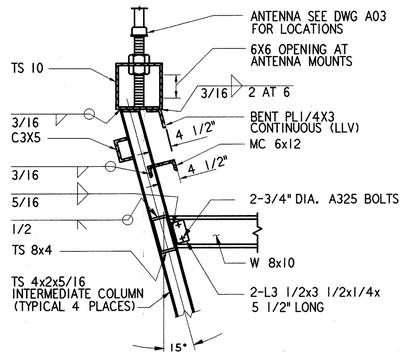
REF. DWG.:



COLUMN BASE PLATE SECTION

1 1/2" = 1'-0"

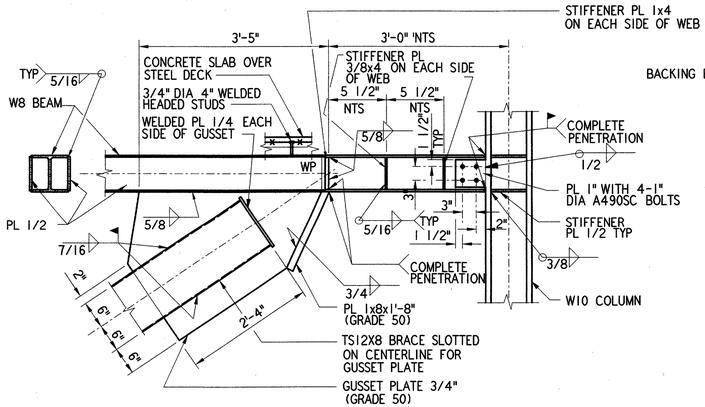
1 / S11 — REF S09, S10



SECTION

3/4 = 1'-0"

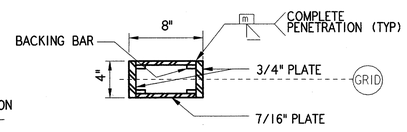
2 / S11 — REF S05, S11



BRACE CONNECTION AT COLUMN AND BEAM

3/4 = 1'-0"

3 / S11 — REF S09, S14



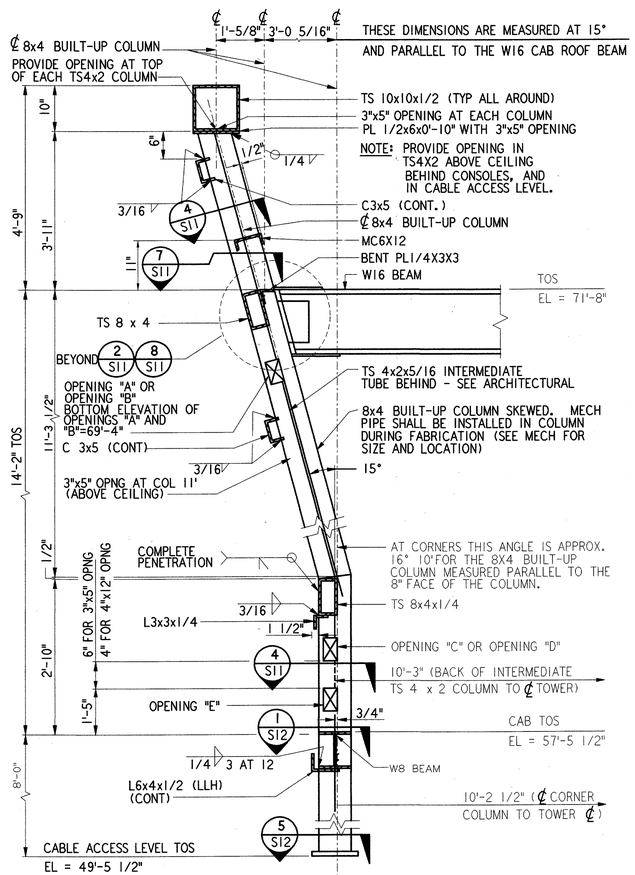
NOTES :

1. WELDS SHALL BE GROUND SMOOTH, MAINTAIN MAXIMUM INSIDE CLEARANCE BECAUSE CAB COLUMNS ARE USED AS ELECTRICAL RACEWAY

BUILT-UP TUBE COLUMN

1 1/2" = 1'-0"

4 / S11 — REF S12, S11, S05



CAB COLUMN ELEVATION

3/4 = 1'-0"

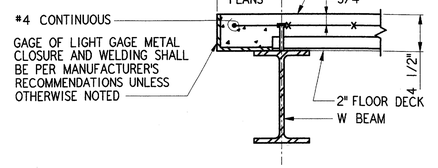
5 / S11 — REF S05

NOTES :

1. CAB COLUMNS ARE USED AS RACEWAY. FOR CAB COLUMN RACEWAY USE SCHEDULE ON THIS DRAWING. COORDINATE OPENING SIZES AND LOCATIONS WITH ELECTRICAL, MECHANICAL AND FAA.
2. ALL ELEMENTS OF THE PIPING SYSTEM INSIDE CAB COLUMNS SHALL BE FABRICATED WITH COLUMNS.
3. USE OF INTERIOR BACK UP BARS FOR THE FABRICATION OF CAB COLUMNS AND HORIZONTAL TUBES SHALL NOT PROJECT MORE THAN 1/4" INTO THE TUBE SPACE. THE MINIMUM INTERIOR SPACE FOR 8X4X5/16" SHALL BE 3"X7/8".
4. PROVIDE OPENING IN EACH CAB COLUMN WITH 5/8" THICK PLATE REINFORCEMENT AS SHOWN IN OPENING IN COLUMN SCHEDULE BELOW.
5. ALL EDGES OF OPENINGS IN CAB COLUMNS AND HORIZONTAL TUBES SHALL BE GROUND SMOOTH. GRIND ALL WELDS SMOOTH FOR CAB CONSTRUCTION. REMOVE BURRS ON ALL OPENINGS IN COLUMNS.
6. PROVIDE I 1/4" DIAMETER WEEP HOLE ON ALL SIDE 3/4" ABOVE THE BASE PLATE AT THE BOTTOM OF EACH CAB COLUMN. THESE HOLES SHALL NOT BE EXPOSED.

OPENING IN COLUMN SCHEDULE

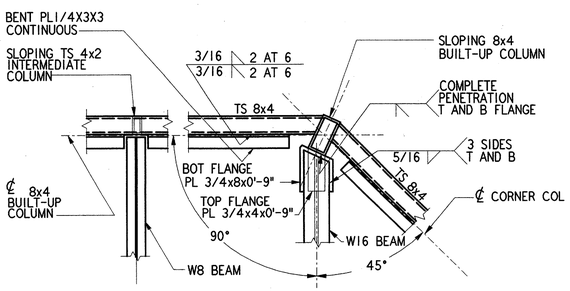
OPNG. LOCATION	COLUMN LOCATION	OPNG SIZE	REMARKS
A	2', 3', 4', 5', 6' 7', 9', 11', 12'	3"x5"	DETAIL 2 / S12
B	1', 8', 10'	4"x12"	DETAIL 3 / S12
C	1', 8', 10'	4"x12"	DETAIL 3 / S12
D	1', 2', 3', 4' 5', 6', 7', 9' 12'	3"x5"	DETAIL 2 / S12
E	10'	4"x12"	DETAIL 3 / S12



TYPICAL EDGE DETAIL

1 1/2" = 1'-0"

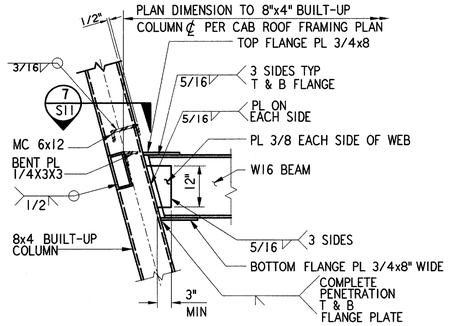
6 / S11 — REF S04



PLAN DETAIL

3/4 = 1'-0"

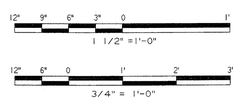
7 / S11 — REF S05, S11



SECTION

3/4" = 1'-0"

8 / S11 — REF S05, S11



S11

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80393
REGISTERED
PROFESSIONAL ENGINEER
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTIONS AND DETAILS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

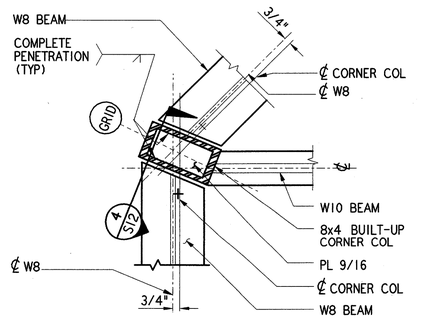
DESIGNED: A. RAB
REVIEWED: N. PAREKH
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY
AIRWAY FACILITIES
DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- S11

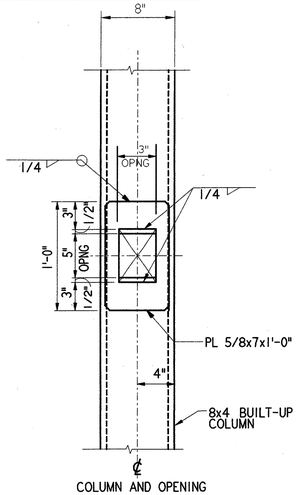
REF. DWG.:

FILENAME:

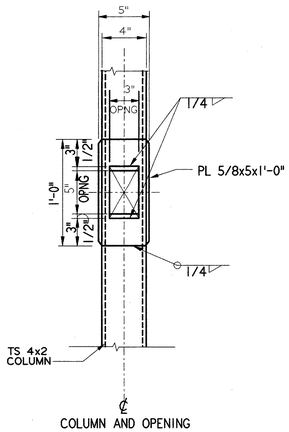


PLAN DETAIL 1 S12 REF S05 S11

1 1/2" = 1'-0"



TS 8x4 BUILT-UP COLUMN



TS 4x2 COLUMN

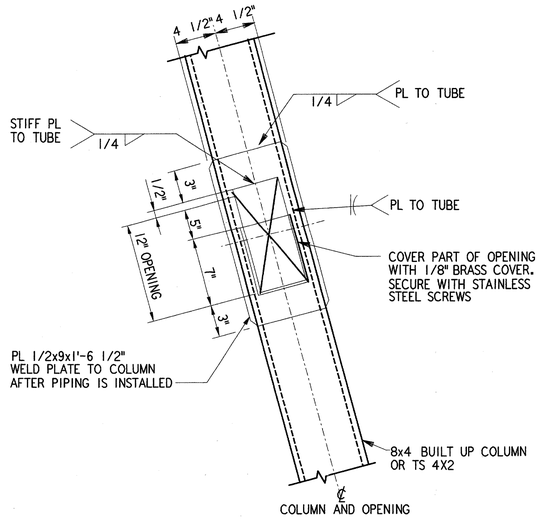
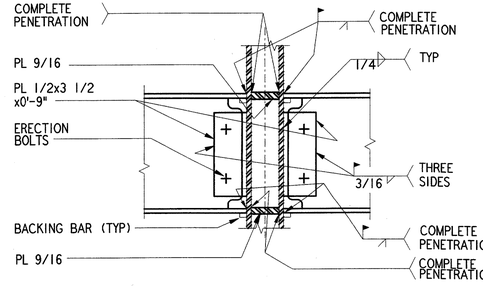


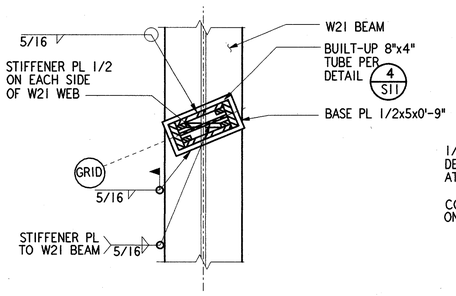
PLATE AT OPENING 3 S12 REF S11

NOT TO SCALE



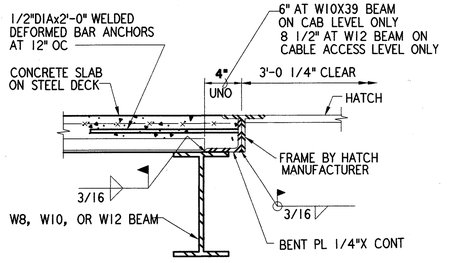
SECTION 4 S12 REF S12

1 1/2" = 1'-0"



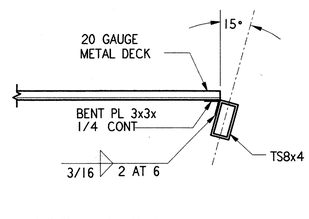
PLAN DETAIL 5 S12 REF S11

1 1/2" = 1'-0"



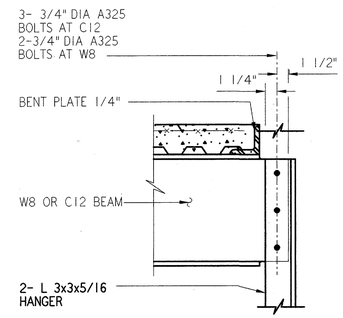
HATCH SUPPORT 6 S12 REF S05

1 1/2" = 1'-0"



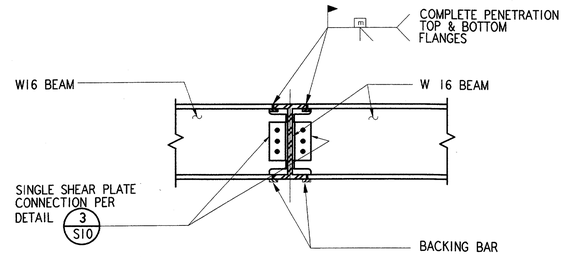
ROOF DECK SECTION 7 S12 REF S05

3/4" = 1'-0"



STAIR LANDING BEAM CONNECTION 8 S12 REF S04 S05

1 1/2" = 1'-0"

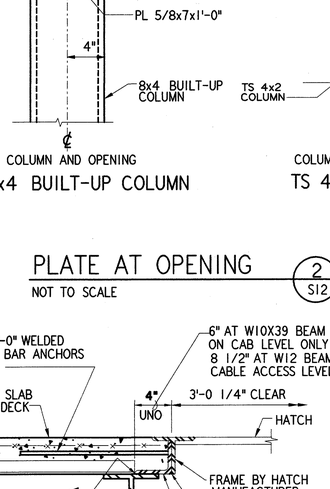


BEAM TO BEAM MOMENT CONNECTION 9 S12 REF S05

3/4" = 1'-0"

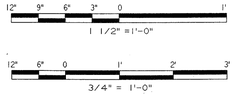
SECTION AT ELEVATOR OPENING 10 S12 REF S04 S05

1 1/2" = 1'-0"



ROOF DECK SECTION 11 S12 REF S05

3/4" = 1'-0"



S12

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS NIKHIL B. PAREKH 80393 LICENSED PROFESSIONAL ENGINEER 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTIONS AND DETAILS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640

APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

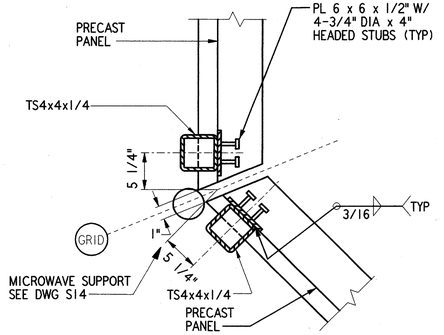
DESIGNED: A. RAB
REVIEWED: N. PAREKH
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

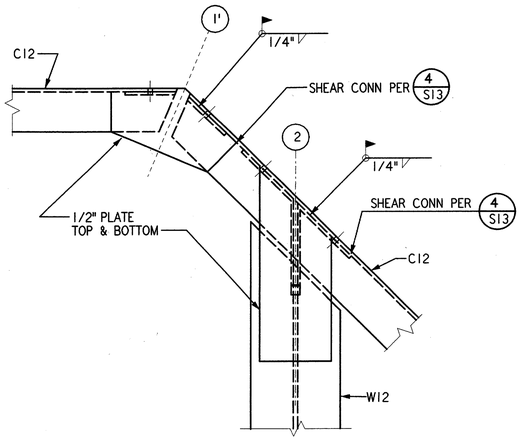
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- S12

FILENAME:

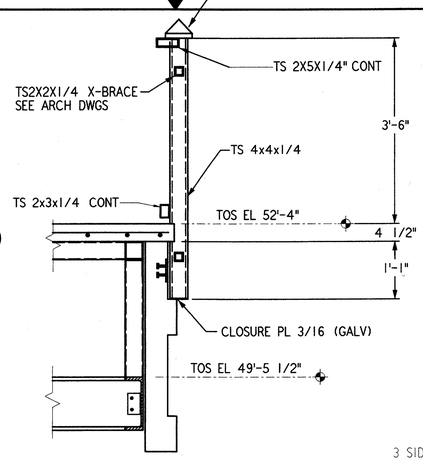
REF. DWG.:



DETAIL 1 — 1 1/2" = 1'-0" — S13 — REF S05 S13 S14

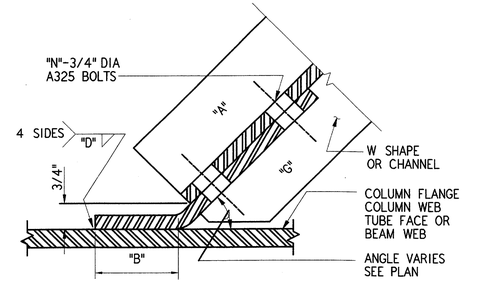


DETAIL 2 — 1 1/2" = 1'-0" — S13 — REF S05



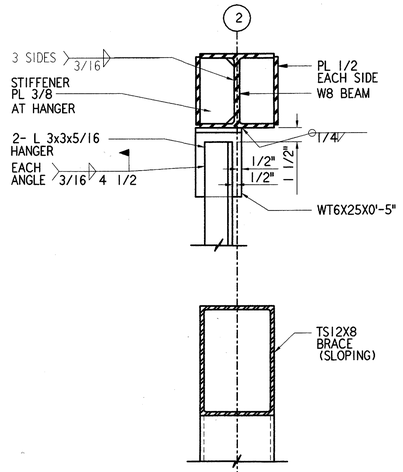
SECTION 3 — 3/4" = 1'-0" — S13

NOTE:
FOR ADD'L INFO SEE ARCH. DWGS.

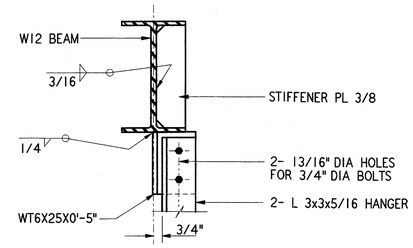


BEAM SIZE	"A"	"B"	PLATE SIZE T x W	"D" WELD	"N" BOLTS	NO. OF ROWS	"G" GAGE
W10x39	10 1/2"	2 1/2"	1/2"x8 1/2"	1/4"	6	2	5 1/2"
W10x12, 19	10 1/2"	2 1/2"	1/2"x8 1/2"	1/4"	4	2	5 1/2"
C10x30	10 1/2"	2 1/2"	1/2"x8 1/2"	1/4"	4	2	5 1/2"
C12x30	10 1/2"	2 1/2"	1/2"x8 1/2"	1/4"	4	2	5 1/2"

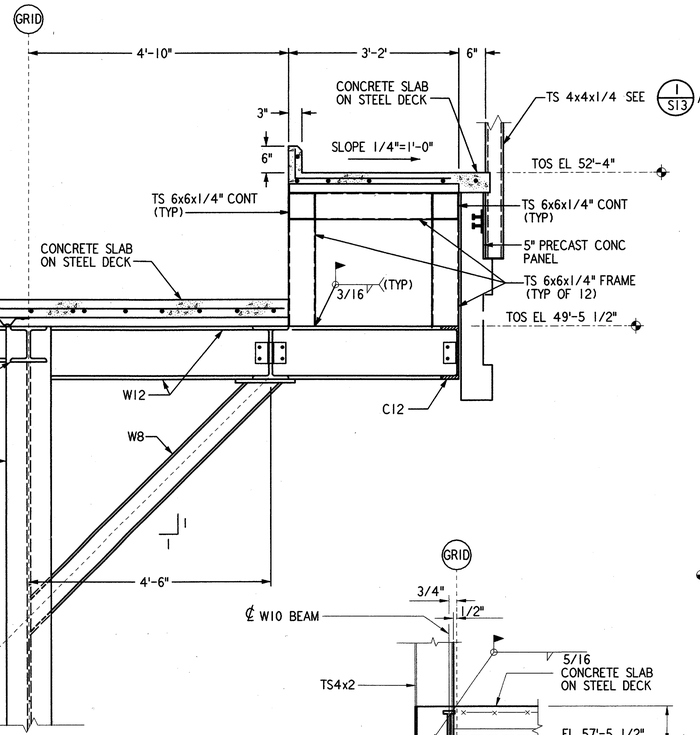
SKEW CONNECTION DETAIL 4 — NOT TO SCALE — S13 — REF S05 S12



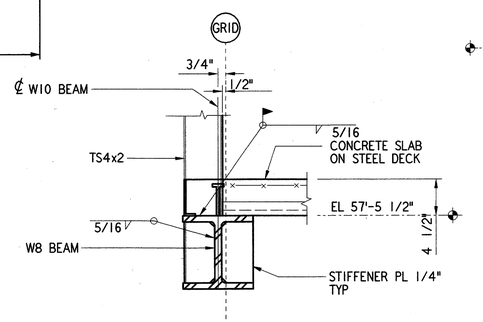
VERT ANGLE COLUMN CONNECTION AT BEAM 8 — 1 1/2" = 1'-0" — S13 — REF S04 S05 S09



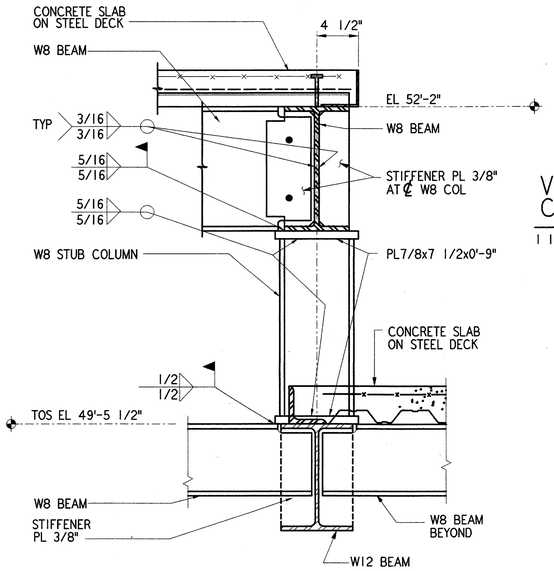
VERT ANGLE COLUMN CONNECTION AT BEAM 9 — 1 1/2" = 1'-0" — S13 — REF S04 S05



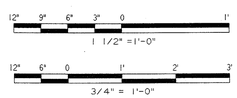
SECTION 5 — 3/4" = 1'-0" — S13 — REF S05



SECTION 7 — 1 1/2" = 1'-0" — S13 — REF S05



STUB WALL AT ELEVATOR 6 — NOT TO SCALE — S13 — REF S05



S13

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

NIKHIL B. PAREKH 80393 REGISTERED PROFESSIONAL ENGINEER STATE OF TEXAS 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTIONS AND DETAILS
ATCT

ADDISON — (ADDISON AIRPORT) — TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

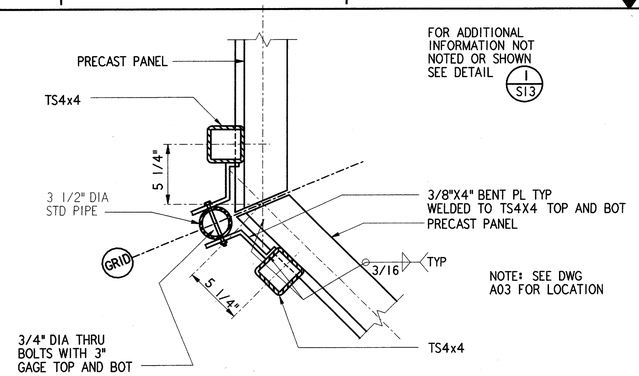
DESIGNED: A. RAB
REVIEWED: N. PAREKH
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- S13

FILENAME:

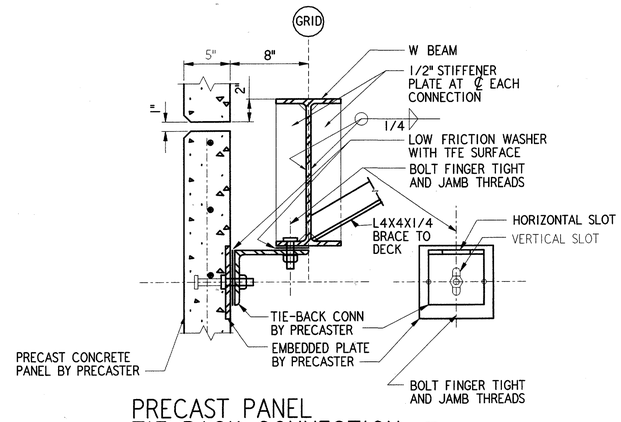
REF. DWG.:



BOTTOM DETAIL AT MICROWAVE SUPPORT

2 S14

1 1/2" = 1'-0"



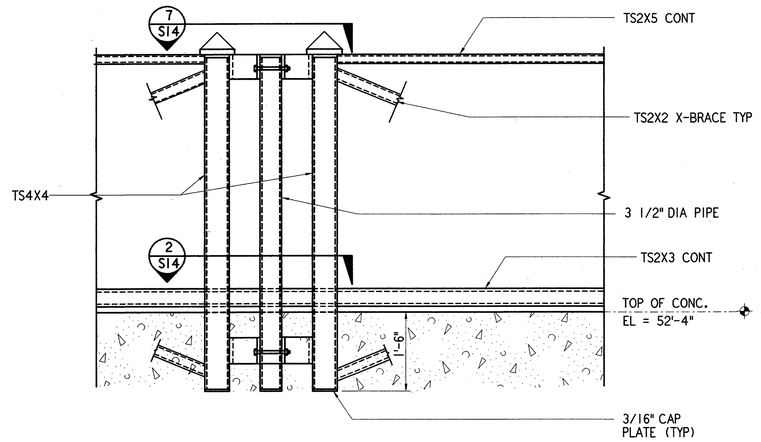
PRECAST PANEL TIE-BACK CONNECTION

3 S14

1 1/2" = 1'-0"

PRECAST PANEL NOTES:

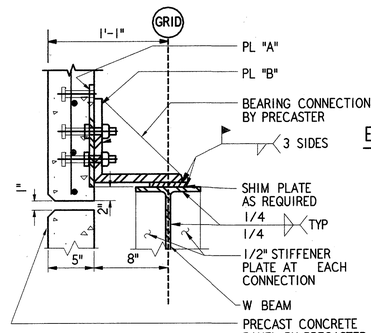
1. THE CONTRACTOR SHALL DESIGN, FABRICATE AND ERECT THE PRECAST CONCRETE WALL PANEL SYSTEM AS SPECIFIED IN SECTION 03411 TITLED "PRECAST CONCRETE WALL PANELS".
2. ALL PRECAST CONCRETE WALL PANELS SHALL HAVE A MINIMUM THICKNESS OF 5 INCHES WITH A MINIMUM REINFORCEMENT OF #4 AT 12" ON CENTER EACH WAY WITHIN THE CENTER OF THE PANELS. ADDITIONAL REINFORCEMENT SHALL BE AS REQUIRED BY PRECASTER.
3. REFERENCE ARCHITECTURAL DRAWINGS FOR PANEL ELEVATIONS, SIZES AND SHAPES.
4. NO STIFFENER PLATES REQUIRED AT WEB WITH SIDE PANELS. NO STIFFENER PLATES FOR PRECAST CONNECTIONS ARE REQUIRED WHEN LOCATED WITHIN 4 INCHES OF STIFFENER PLATES SHOWN ON DETAILS 9 S09 AND 3 S11



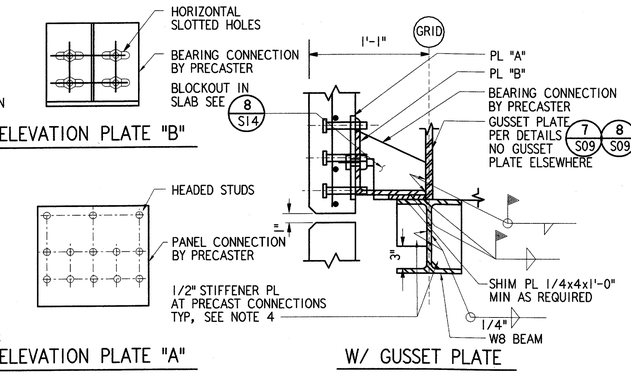
MICROWAVE SUPPORT ELEVATION

5 S14

1" = 1'-0"



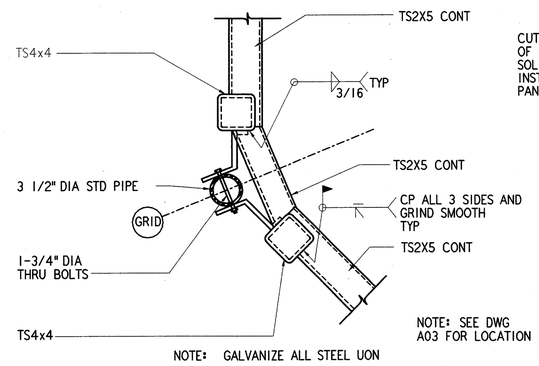
W/O GUSSET PLATE



PRECAST PANEL BEARING CONNECTION

6 S14

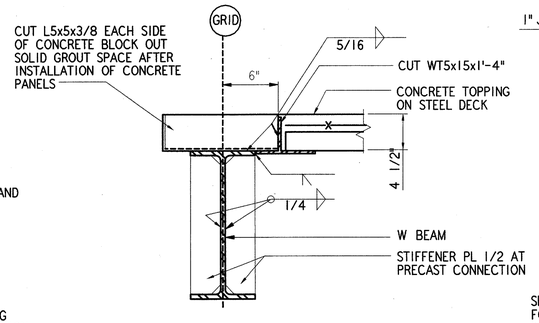
1 1/2" = 1'-0"



TOP DETAIL AT MICROWAVE SUPPORT

7 S14

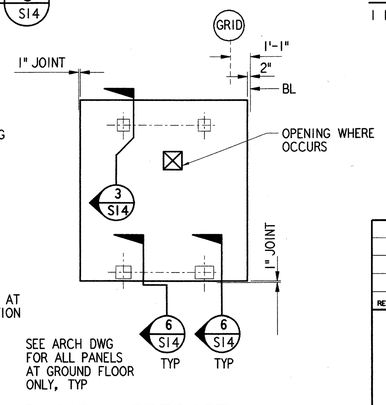
1 1/2 = 1'-0"



BLOCKOUT AT PRECAST CONNECTION

8 S14

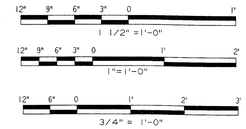
1 1/2 = 1'-0"



TYPICAL PRECAST PANEL ELEVATION

9 S14

1 1/2" = 1'-0"



S14

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80393
REGISTERED PROFESSIONAL ENGINEER
6/22/10

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTION AND DETAILS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

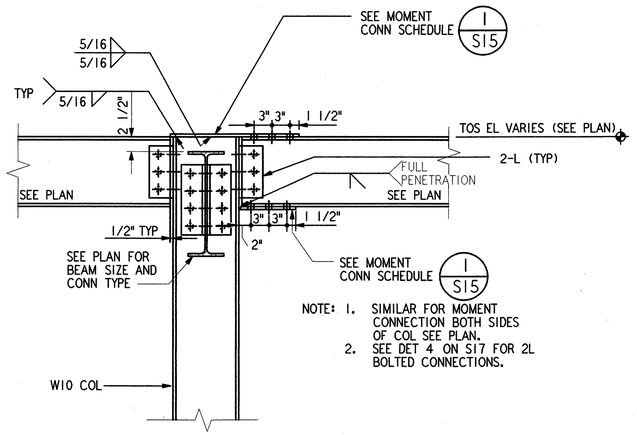
DESIGNED: A. RAB
REVIEWED: N. PAREKH
ORIG. DFT.: S. RAJPREEJA
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- S14

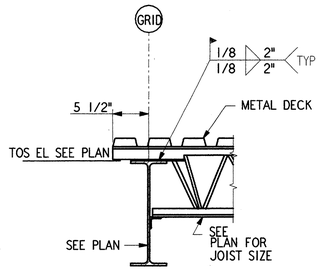
FILENAME:

REF. DWG.:

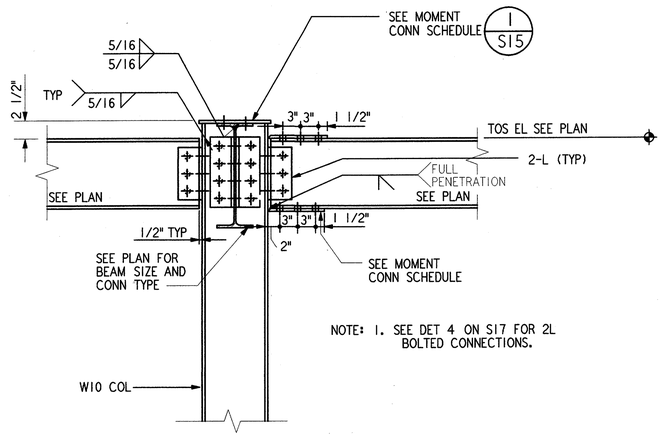


NOTE: 1. SIMILAR FOR MOMENT CONNECTION BOTH SIDES OF COL SEE PLAN.
2. SEE DET 4 ON S17 FOR 2L BOLTED CONNECTIONS.

SECTION A S15 REF S06
1" = 1'-0"



SECTION B S15 REF S06
1" = 1'-0"



NOTE: 1. SEE DET 4 ON S17 FOR 2L BOLTED CONNECTIONS.

SECTION C S15 REF S06
1" = 1'-0"

NOTE:

1. FOR GENERAL NOTES SEE DRAWING S01.

MOMENT CONN SCHEDULE		
BEAM SIZE	PLATE SIZE THICK. X WIDTH	NO OF A325 SC BOLTS
W21, W24	1/2" X 6"	6 - 3/4" DIA
W16	1/2" X 6"	6 - 3/4" DIA
W14, W12	3/8" X 6"	4 - 3/4" DIA

DETAIL 1 S15
NTS = 1'-0"

12" 9" 6" 3" 0 1' 2"
1"=1'-0"

S15

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80393
REGISTERED
PROFESSIONAL ENGINEER
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTIONS AND DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: N. PAREKH
REVIEWED: A. RAB
ORIG. DFT.: N. PAREKH
FACILITY:

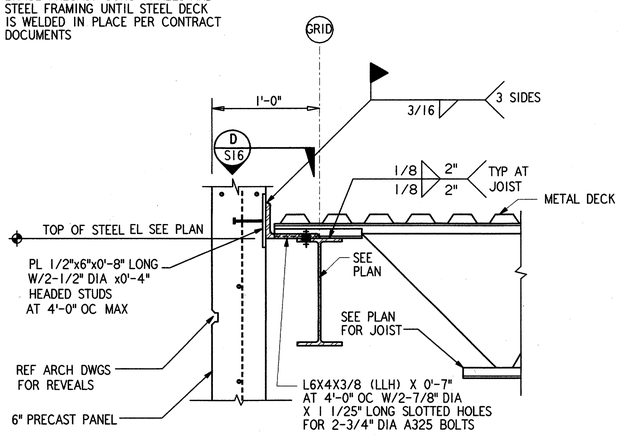
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- S15

REF. DWG.:

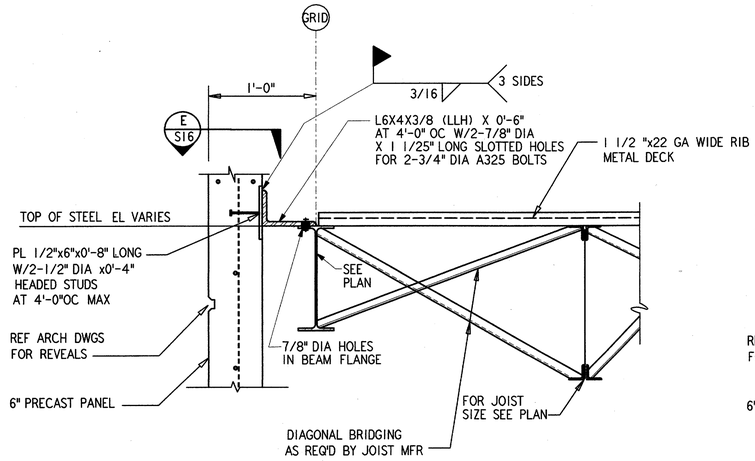
FILENAME:

NOTE:
BRACE PRECAST CONC PANELS AND STEEL FRAMING UNTIL STEEL DECK IS WELDED IN PLACE PER CONTRACT DOCUMENTS



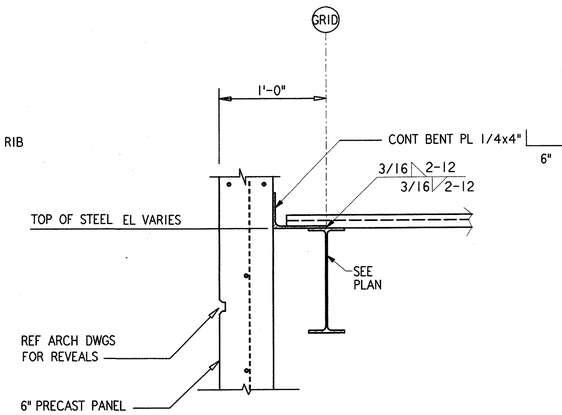
PRECAST CONNECTION

SECTION A S16 REF S06
1 1/2 = 1'-0"



PRECAST CONNECTION

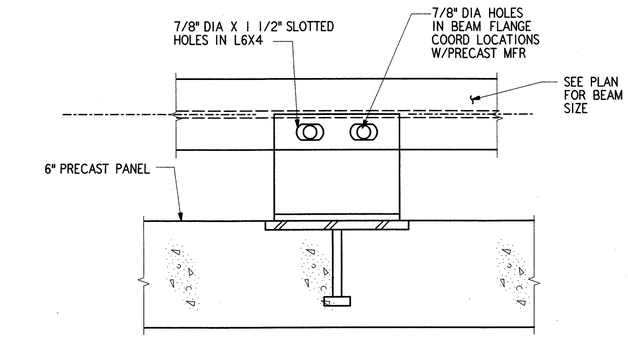
SECTION B S16 REF S06
1 1/2 = 1'-0"



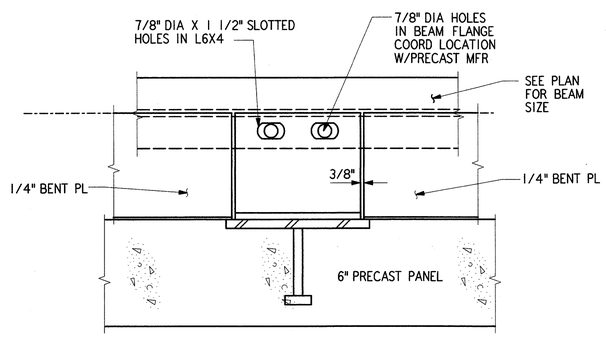
BETWEEN PRECAST CONNECTION

SECTION C S16 REF S06
1 1/2 = 1'-0"

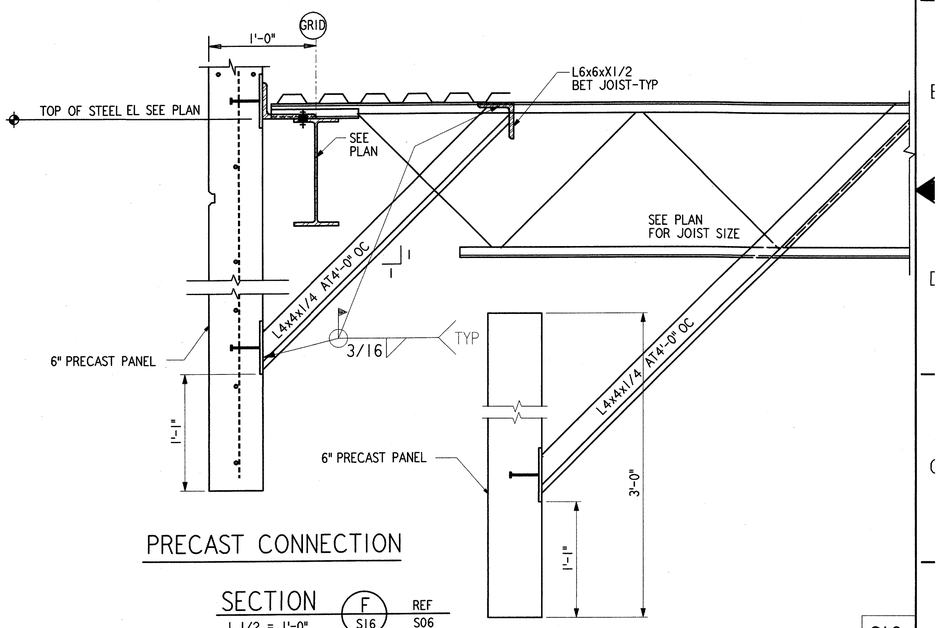
NOTES:
1. FOR GENERAL NOTES SEE DRAWING S01.



SECTION D S16
3" = 1'-0"



SECTION E S16
3" = 1'-0"



PRECAST CONNECTION

SECTION F S16 REF S06
1 1/2 = 1'-0"

S16

12" 9" 6" 3" 0
3"=1'-0"
12" 9" 6" 3" 0 1'
1 1/2"=1'-0"

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS
NIKHIL B. PAREKH
80393
REGISTERED PROFESSIONAL ENGINEER
6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

SECTIONS AND DETAILS
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: N. PAREKH
REVIEWED: A. RAB
ORIG. DFT.: N. PAREKH
FACILITY:

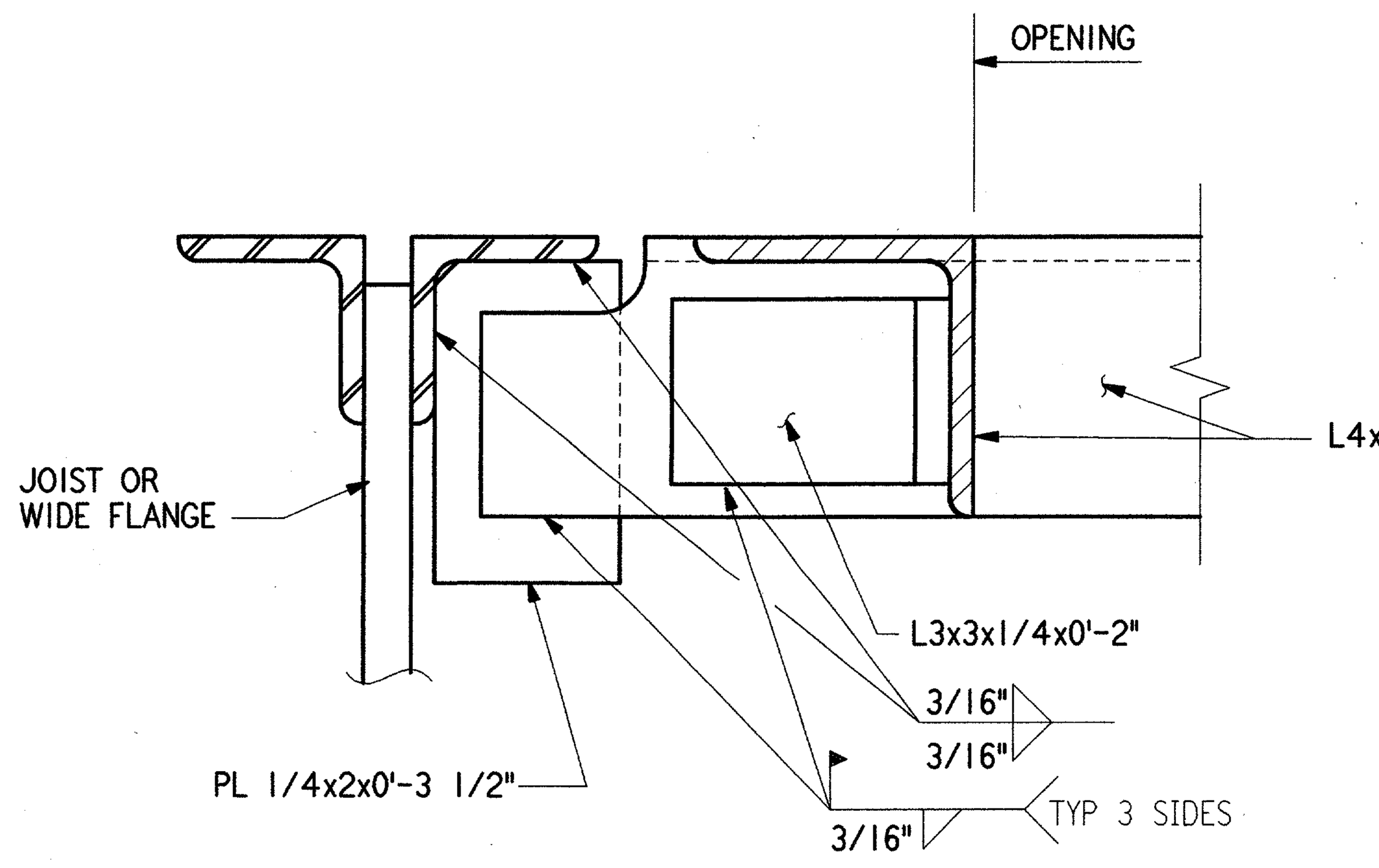
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- S16

FILENAME:

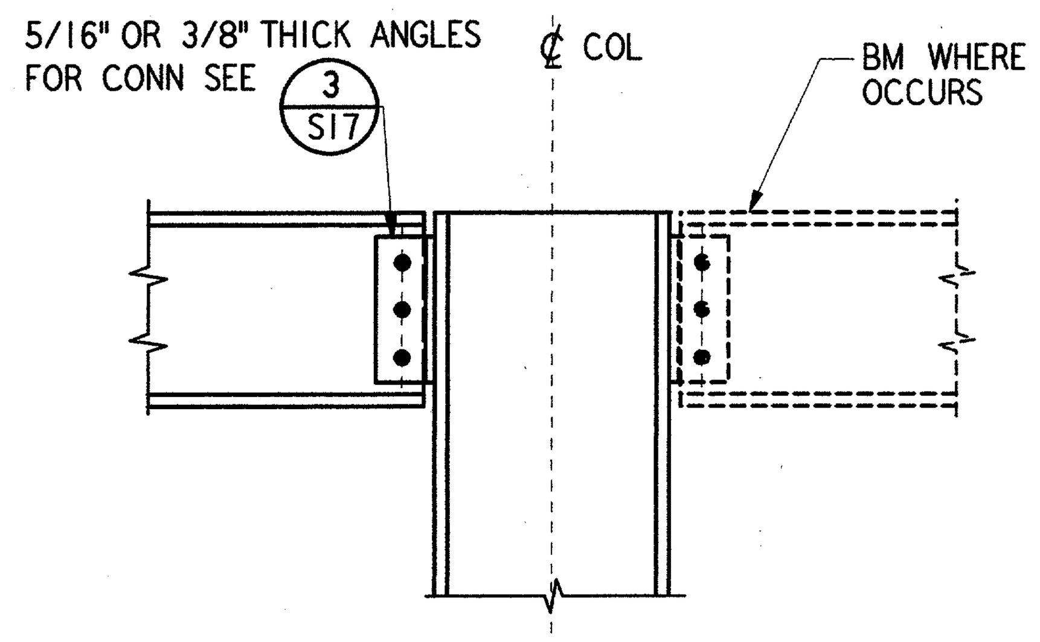
REF. DWG.:

NOTE:
1. FOR GENERAL NOTES SEE DRAWING S01.

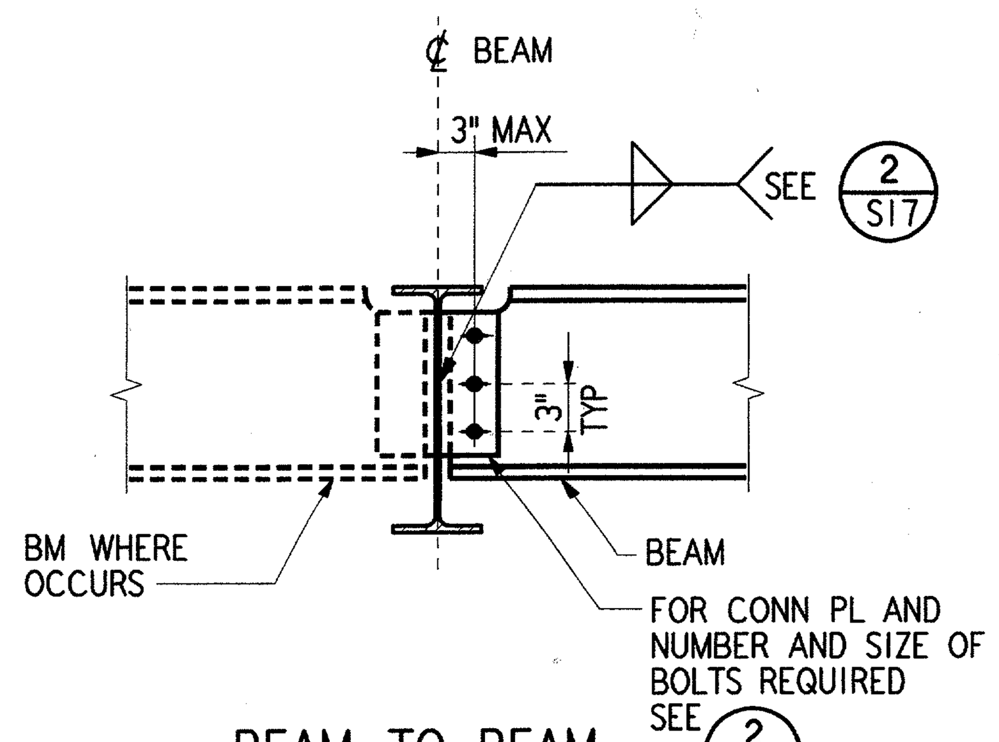


TYPICAL FRAMING AROUND OPENINGS

SECTION A / S17
NTS



DETAIL 1 / S17
NTS



BEAM TO BEAM

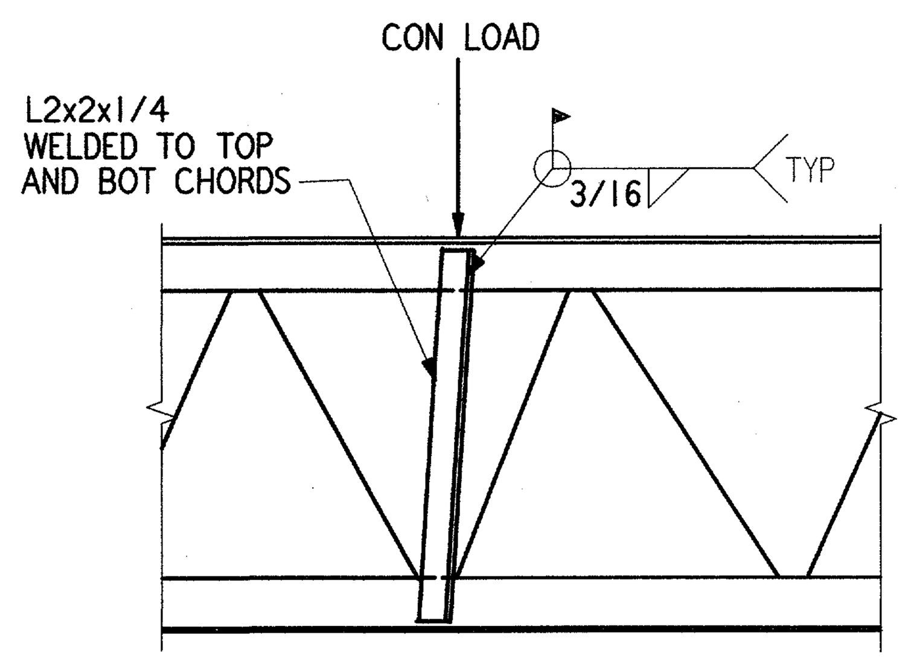
SECTION B / S17
NTS

TYPICAL CONNECTION SCHEDULE "A"

BEAM SIZE	CONN PL THICKNESS	CONN PL WELD	NO. A325 SC BOLTS	REMARKS
W10, W8, C8, C10	3/8"	1/4"	2-7/8" DIA	
W12, W14	3/8"	1/4"	3-7/8" DIA	
W16	3/8"	1/4"	4-7/8" DIA	
W18, W21	1/2"	5/16"	5-7/8" DIA	

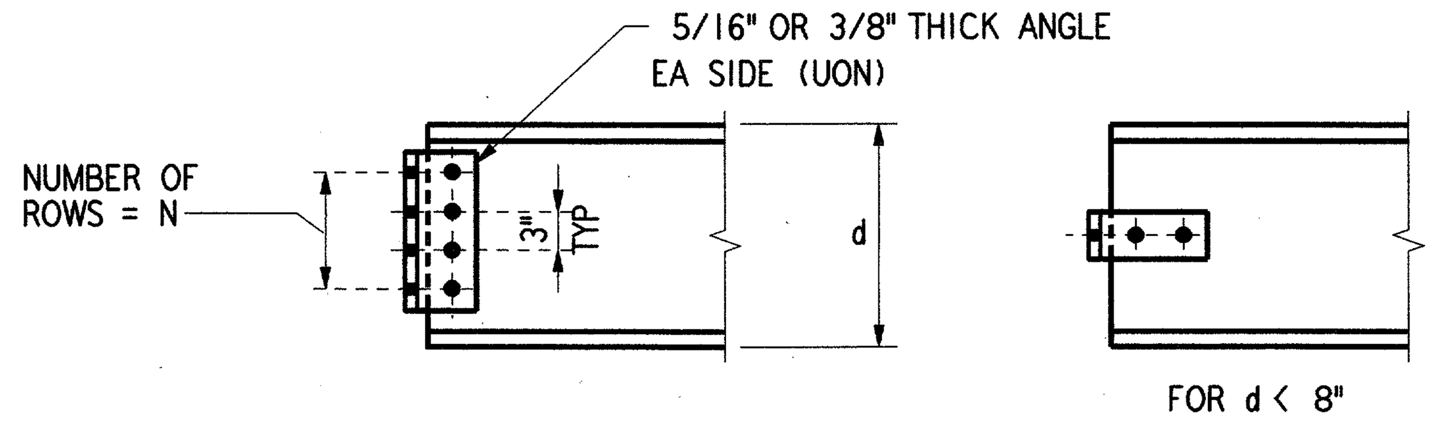
SHEAR PLATE CONNECTION

DETAIL 2 / S17
NTS



CONCENTRATED LOAD ON JOIST PANEL

SECTION C / S17
NTS

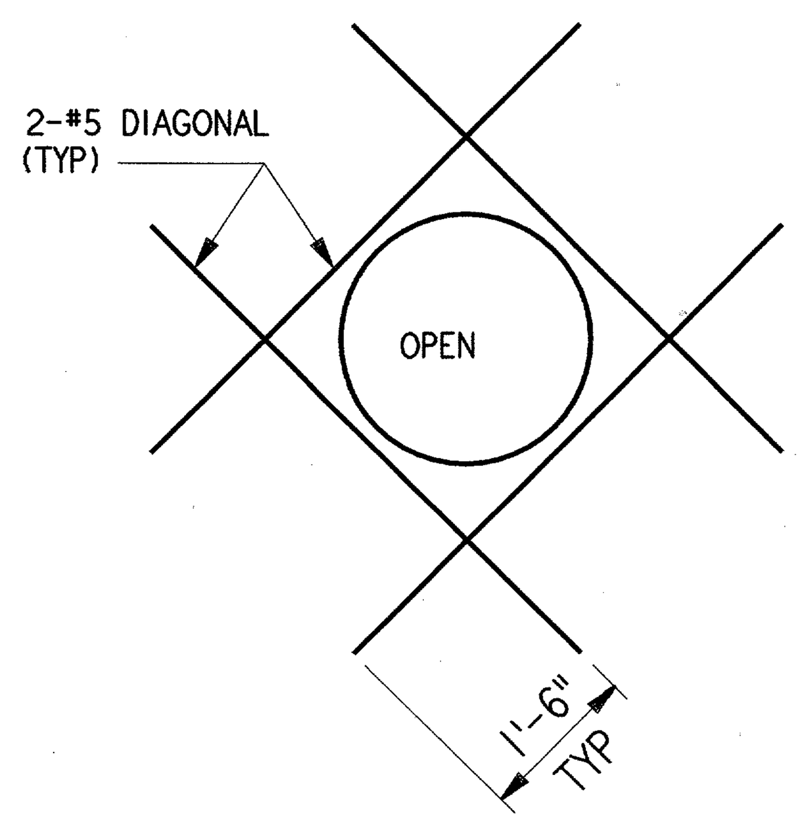


SCHEDULE "B"

d (in)	N	A325 SC BOLT SIZE	REMARKS
8, 10	2	3/4" DIA	5/16" ANGLES
12, 14	3	3/4" DIA	5/16" ANGLES
16	4	7/8" DIA	3/8" ANGLES
18, 21	5	7/8" DIA	3/8" ANGLES
24	6	7/8" DIA	3/8" ANGLES

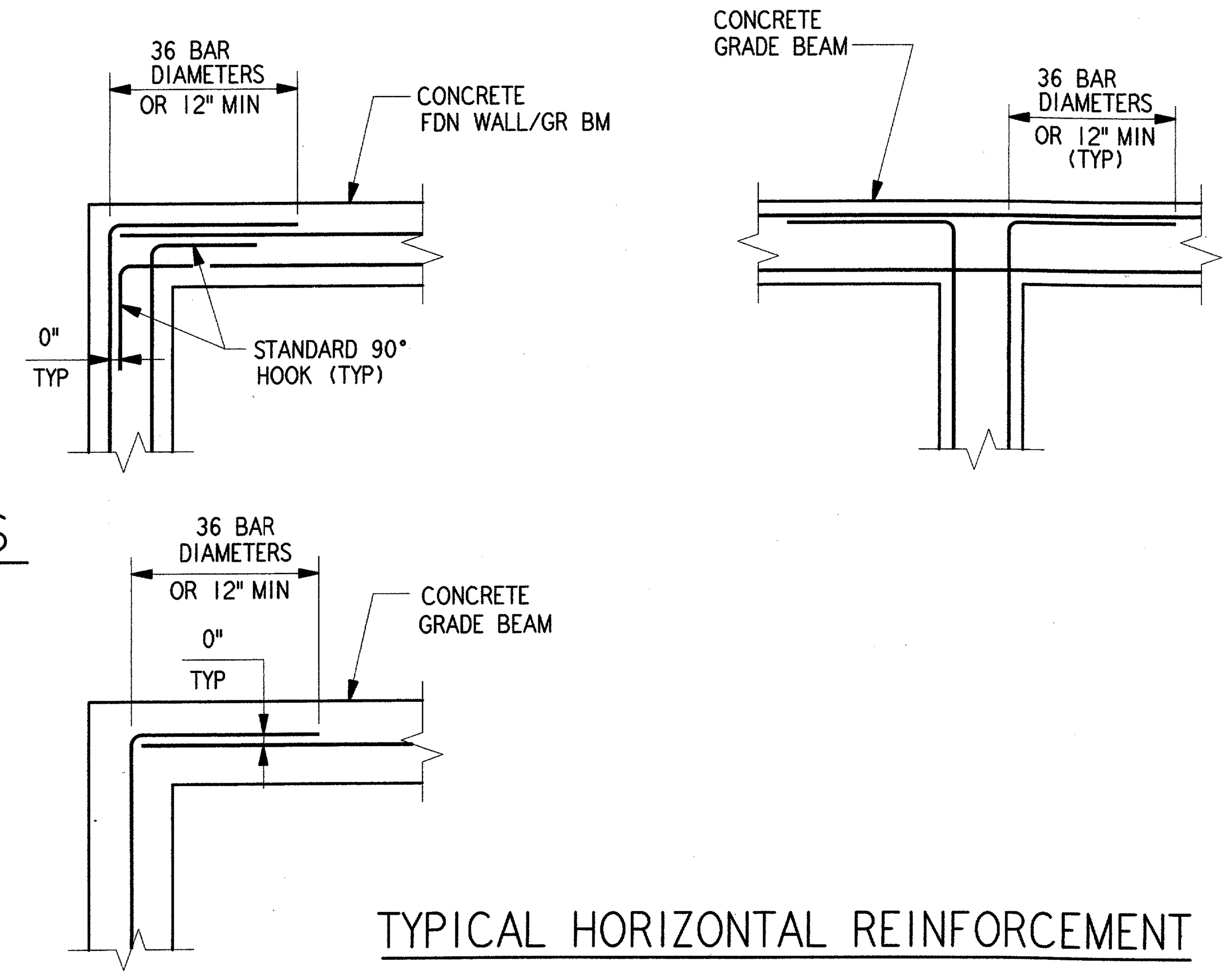
DOUBLE ANGLE SHEAR CONNECTION

DETAIL 3 / S17
NTS



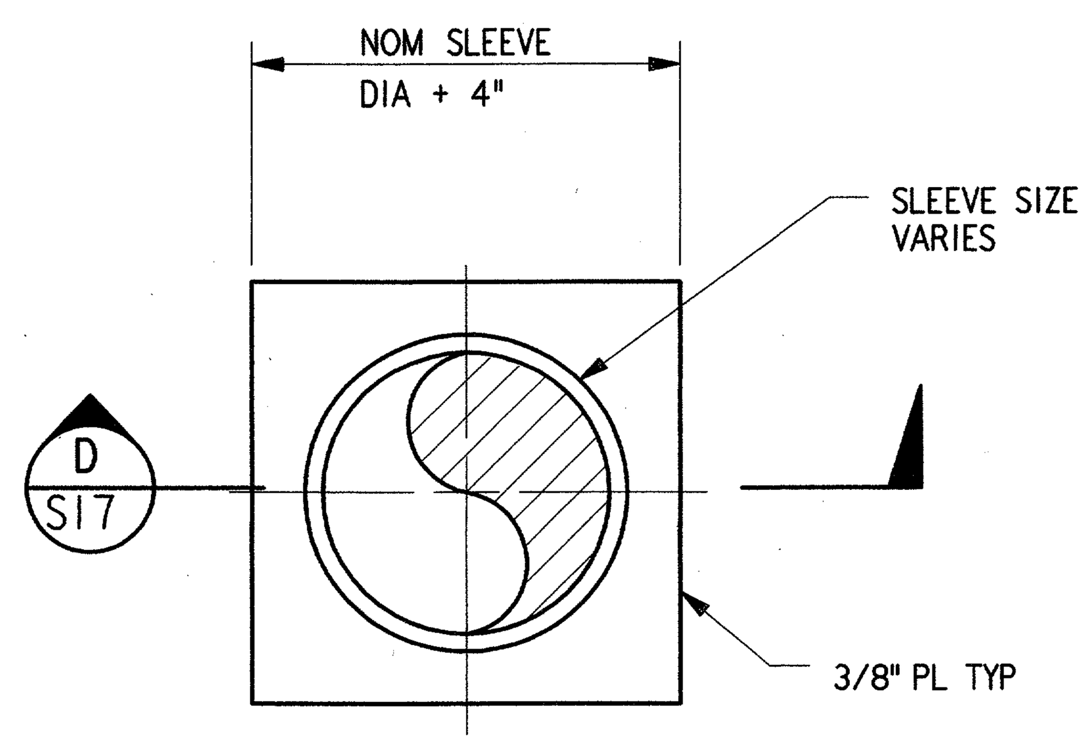
TYPICAL ADDITIONAL REINFORCEMENT AT OPENINGS

DETAIL 4 / S17
NTS



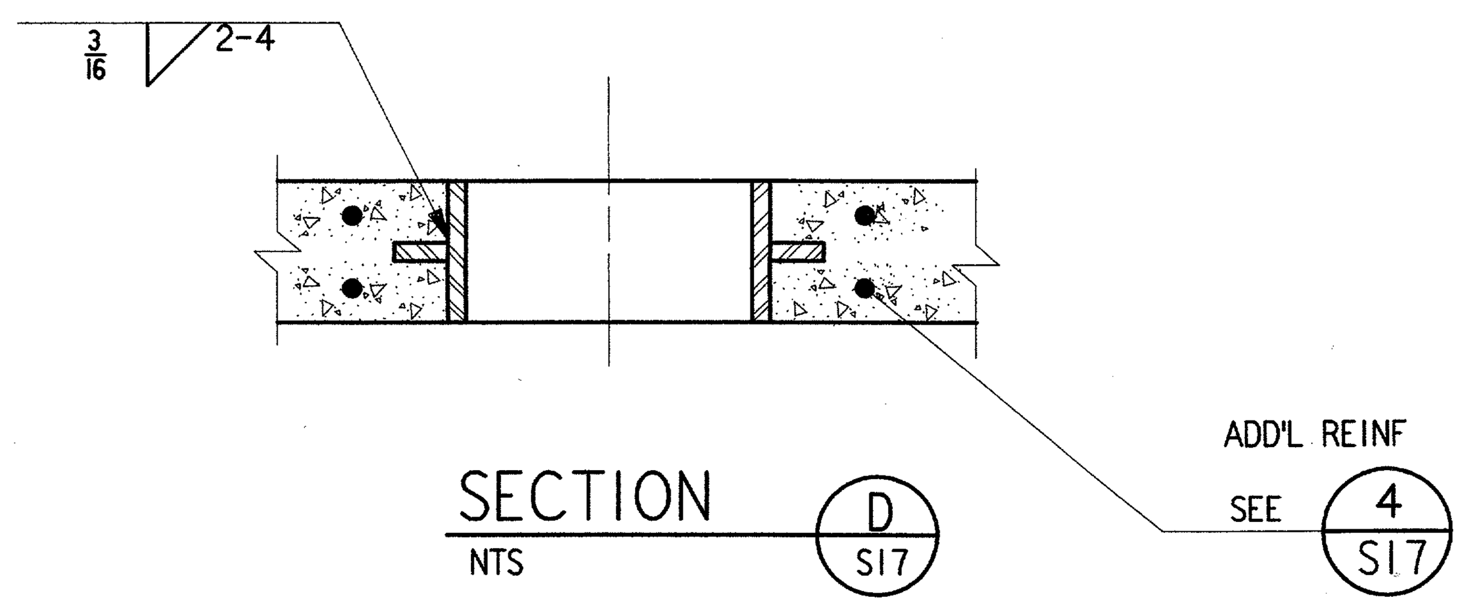
TYPICAL HORIZONTAL REINFORCEMENT

DETAIL 6 / S17 REF S03
NTS



TYPICAL PIPE SLEEVE DETAIL

DETAIL 5 / S17
NTS



SECTION D / S17
NTS

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

NIKHIL B. PAREKH 80393 REGISTERED PROFESSIONAL ENGINEER — STATE OF TEXAS

PARSONS
DALLAS, TX

S17

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

TYPICAL SECTIONS AND DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-640
APPROVED: MANAGER TERMINAL PLATFORM, ANI-640

DESIGNED: N. PAREKH
REVIEWED: A. RAB
ORIG. DFT.: N. PAREKH
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- S17

REF. DWG.:
FILENAME:

FAN COIL SCHEDULE

MARK	LOCATION	SERVES	TOTAL CFM	ESP (IN-WG)	COOLING DATA								ELECTRICAL DATA					MANUFACTURER AND MODEL	REMARKS
					TMBH	SMBH	EAT DB F	EAT WB F	WATER GPM	WATER EWT F	WATER LWT F	WATER Δ PMAX (FT)	HEAT KW	HP	VOLTS	PHASE	MCA		
FCU-1	MIDDLE INTERMEDIATE	MIDDLE INTERMEDIATE	1000	0.3	23.0	19.5	75	62	5	44	54	10	6	1/3	208	1	35	YORK YHH-10	
FCU-2	JUNCTION LEVEL	JUNCTION LEVEL	1000	0.3	23.0	19.5	75	62	5	44	54	10	6	1/3	208	1	35	YORK YHH-10	
FCU-3	CABLE ACCESS WALKWAY LEVEL	ELECTRONIC EQUIPMENT	1000	0.3	23.0	19.5	75	62	5	44	54	10	6	1/3	208	1	35	YORK YHH-10	ESSENTIAL POWER

AIR COOLED CHILLER

MARK	NOMINAL TONS	AMB TEMP F	MIN OPER TEMP F	REF	GPM	MAX PD FT	EWT F	LWT F	ELECTRICAL DATA TOTAL AMPS	TOTAL KW	VOLT	PH	HZ	MANUFACTURER AND MODEL	REMARKS
ACC-1	47	105	0	R-22	124	15	54	44	103.6	69.8	460	3	60	YORK YCAL0050EC46	ESSENTIAL POWER (1)(2)
ACC-2	47	105	0	R-22	124	15	54	44	103.6	69.8	460	3	60	YORK YCAL0050EC46	STANDBY UNIT - ESSENTIAL POWER (1)(2)

(1) PROVIDE A MINIMUM OF (2) SCROLL COMPRESSORS, (2) REFRIGERANT CIRCUITS, LOW SOUND FANS, FLOW SWITCH AND HAIL GUARDS.
(2) 30% ETHYLENE GLYCOL.

ELECTRIC STEAM HUMIDIFIER SCHEDULE

MARK	LOCATION	SERVES	TYPE	CAPACITY KW	CAPACITY LB/HR	ELECTRICAL DATA VOLTS	PH	HZ	REMARKS
EHU-1	BASE BLDG	RM 113	ELECTRONIC	2	6	208	1	60	ARMSTRONG SERIES EHU 600 WITH EHF2 FAN PACKAGE OR APPROVED EQUAL

COMPUTER ROOM UNIT SCHEDULE

MARK	LOCATION	SERVES	TYPE	FAN CFM	FAN ESP	FAN HP	COOLING DATA TOTAL MBH	SENS MBH	EAT DB	EAT WB	EWT	LWT	GPM	HUMIDIFIER LBS/HR	HUMIDIFIER KW	HUMIDIFIER TYPE	REHEAT KW	UNIT ELECTRICAL VOLT	PH	HZ	FLA	MANUFACTURER AND MODEL	REMARKS
CRU-1	UPS ROOM	UPS	CHW, UP FLOW	1800	1/3	3/4	33.3	31.2	72	62	44	54	7.0	11.0	4.8	STEAM	9	460	3	60	19.0	LIEBERT 068C	ESSENTIAL POWER
CRU-2	UPS ROOM	UPS	CHW, UP FLOW	1800	1/3	3/4	33.3	31.2	72	62	44	54	7.0	11.0	4.8	STEAM	9	460	3	60	19.0	LIEBERT 068C	ESSENTIAL POWER, STANDBY
CRU-3	TOP INTERMEDIATE LEVEL	ELECTRONIC EQUIPMENT ROOM	CHW, HORIZ	1250	1/3	1/2	25.0	24.3	72	62	44	54	5.0	4.3	1.5	STEAM	4.7	208	1	60	34.2	LIEBERT MM040C	ESSENTIAL POWER
CRU-4	TOP INTERMEDIATE LEVEL	ELECTRONIC EQUIPMENT ROOM	CHW, HORIZ	1250	1/3	1/2	25.0	24.3	72	62	44	54	5.0	4.3	1.5	STEAM	4.7	208	1	60	34.2	LIEBERT MM040C	ESSENTIAL POWER, STANDBY

AIR HANDLING UNIT SCHEDULE

MARK	LOCATION	SERVES	TOTAL CFM	OA CFM	FAN (1) ESP	FAN FILTER PD	FAN HP	COOLING COIL TOTAL MBH	SENS MBH	EAT DB	EAT WB	LAT DB	LAT WB	MAX APD IN WTR	MAX VEL FPM	MAX WPD FT WTR	MIN ROWS	GPM	HEATING COIL MBH	MAX APD IN WTR	MAX WPD FT WTR	ROWS	GPM	SINGLE POINT ELEC CONN VOLT	PH	HZ	MANUFACTURER AND MODEL	REMARKS
AHU-1	MECH ROOM	BASE BLDG	4250	1300	3.3	1.8	7 1/2	190.0	136.7	84.3	67.9	55.0	53.2	1.0	500	20	8	42	56	0.15	10	1	11	460	3	60	YORK SOLUTION 57x36(2)	
AHU-2	CAB ROOF	CAB	3600	160	2.6	1.8	7 1/2	119.1	91.4	76.2	65.0	54.5	54.0	1.0	500	20	8	27	-	-	-	-	-	460	3	60	YORK SOLUTION 42x45	ESSENTIAL POWER
AHU-3	CAB ROOF	CAB	3600	160	2.6	1.8	7 1/2	119.1	91.4	76.2	65.0	54.5	54.0	1.0	500	20	8	27	-	-	-	-	-	460	3	60	YORK SOLUTION 42x45	ESSENTIAL POWER, STANDBY
AHU-4	BASE-EG BLDG	ELEC EQUIP ROOM	4650	80	2.5	1.5	7 1/2	150.0	123.5	75.8	65.0	51.0	50.8	1.0	500	20	10	43	-	-	-	-	-	460	3	60	YORK SOLUTION 48x48	ESSENTIAL POWER
AHU-5	BASE-EG BLDG	ELEC EQUIP ROOM	4650	80	2.5	1.5	7 1/2	150.0	123.5	75.8	65.0	51.0	50.8	1.0	500	20	10	43	-	-	-	-	-	460	3	60	YORK SOLUTION 48x48	ESSENTIAL POWER, STANDBY

(1) ESP INCLUDES FILTER PD.
(2) WITH VARIABLE FREQUENCY DRIVE.

ELECTRIC DUCT HEATER SCHEDULE

MARK	LOCATION	SERVES	CFM	EAT DB° F	LAT DB° F	KW	ELECTRICAL DATA VOLT	PH	HZ	HEIGHT INCHES	WIDTH INCHES	MANUFACTURER AND MODEL	REMARKS
EDH-1	ELECTRONIC ROOM	ELECTRONIC ROOM	410	68	75	1	277	1	60	(1)		INDEECO QUA	ESSENTIAL POWER
EDH-2	ELECTRONIC ROOM	ELECTRONIC ROOM	820	68	75	2	480	3	60	(1)		INDEECO QUA	ESSENTIAL POWER
EDH-3	ELECTRONIC ROOM	TELCO	275	68	75	0.75	277	1	60	(1)		INDEECO QUA	ESSENTIAL POWER
EDH-4	CAB ROOF	CAB	3600	70	85	18	480	3	60	(1)		INDEECO QUA	ESSENTIAL POWER
EDH-5	CAB ROOF	CAB	3600	70	85	18	480	3	60	(1)		INDEECO QUA	ESSENTIAL POWER

(1) REFERENCE DRAWINGS FOR DUCT SIZE.

GENERAL NOTES:

1. FOR DRAWING INDEX SEE DRAWING G002, FOR GENERAL ABBREVIATIONS SEE DRAWING G003, FOR MECHANICAL LEGENDS AND ABBREVIATIONS SEE DRAWINGS G005 AND G006.
2. ALL NOTED DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS UNLESS OTHERWISE NOTED.
3. AIR FLOWS SHOWN IN CUBIC FEET PER MINUTE (CFM) ARE ACTUAL AIR FLOWS (ACFM) AT SITE ELEVATION.
4. ALL EQUIPMENT SUPPORTS, FOUNDATIONS, PADS, WALL OPENINGS OR PENETRATIONS SHALL BE VERIFIED WITH ACTUAL PURCHASED EQUIPMENT FOR SIZE AND FIT. THE EQUIPMENT SIZES INDICATED ON THE DRAWINGS WERE SELECTED FOR ENGINEERING DESIGN AND SPACE ALLOCATION PURPOSES. THE ACTUAL SIZE MAY VARY DEPENDING ON PURCHASED EQUIPMENT TO BE INSTALLED. CONTRACTOR TO MAKE THE NECESSARY MODIFICATIONS BASED ON THE INSTALLED EQUIPMENT REQUIREMENTS WITHOUT ANY ADDITIONAL COST TO THE CONTRACT.
5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH SPECIFICATIONS.
6. CONTRACTOR SHALL COORDINATE ALL DUCTWORK AND EQUIPMENT LOCATIONS WITH ELECTRICAL, STRUCTURAL, PLUMBING, FIRE PROTECTION AND ANY OTHER TRADES TO AVOID INTERFERENCES AND DELAYS. PROVIDE ALL CLEARANCES AS RECOMMENDED BY THE MANUFACTURER FOR REQUIRED MAINTENANCE.
7. EQUIPMENT AND MATERIAL LOCATED ABOVE CEILING SPACES USED AS SUPPLY OR RETURN PLENUMS SHALL BE INSTALLED TO COMPLY WITH NFPA 90A, UBC, AND LOCAL CODES.
8. INSTALLATION SHALL PROVIDE FOR READY ACCESS TO ALL DAMPERS, COILS AND OTHER CONTROL DEVICES. ACCESS DOORS SHALL BE INSTALLED TO PROVIDE ADEQUATE CLEARANCES FOR DIRECT ACCESS TO DAMPERS.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC
EQUIPMENT SCHEDULES

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	Mike Doerr 7/21/03	Johnnie L. White 7/18/03
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630

DESIGNED	DRAWN	CHECKED	ISSUED BY	DATE	JCN
M. DOERR	KS		NAS IMPLEMENTATION ANI-600	06-23-03	9700164

DRAWING NO: ADS-D-ATCT-M001 — REV: A

DIFFUSER, REGISTER, AND GRILLE SCHEDULE

MARK	SERVES	CFM RANGE	TYPE	FACE SIZE IN x IN	NECK SIZE DIA	MANUFACTURER AND MODEL	REMARKS
CD-1	SUPPLY AIR	50-150	LOUVERED	24x24	6	TITUS TMSA-NT	
CD-2	SUPPLY AIR	150-300	LOUVERED	24x24	8	TITUS TMSA-NT	
CD-3	SUPPLY AIR	300-500	LOUVERED	24x24	10	TITUS TMSA-NT	
D-1	NOT USED						
D-2	SUPPLY AIR	50-150	LINEAR SLOT	4x48	6	TITUS TBD-80-NT	
D-3	SUPPLY AIR	150-300	LINEAR SLOT	4x48	8	TITUS TBD-80-NT	
D-4	NOT USED						
D-5	SUPPLY AIR	150-300	ROUND	12" DIA	8"	TITUS TMR	
D-6	SUPPLY AIR	300	LINEAR SLOT	60x3 1/2	10" OVAL	TITUS MP-38	
ER-1	EXHAUST AIR	50-150	EGGCRATE	24x24	-	TITUS 50R-NT	
ER-2	EXHAUST AIR	50-150	EGGCRATE	24x24	-	TITUS 50R	
RR-1	RETURN AIR	0-1200	LOUVERED	24x24	-	TITUS 23R-NT	
GR-1	SUPPLY AIR	1000	BAR	18X18	-	TITUS 30R	
GR-2	SUPPLY AIR	100	BAR	6X6	-	TITUS 301R-HD	
GR-3	SUPPLY AIR	250	BAR	10X10	-	TITUS 301R-HD	
GR-4	SUPPLY AIR	300	BAR	10X10	-	TITUS 30R	
GR-5	EXHAUST AIR	450	BAR	12X12	-	TITUS 30R	
GR-6	EXHAUST AIR	275	BAR	10X10	-	TITUS 30R	
GR-7	RETURN AIR	880	BAR	20X20	-	TITUS 30R	
GR-8	SUPPLY AIR	440	BAR	14X12	-	TITUS 30R	

ELECTRIC UNIT HEATER SCHEDULE

MARK	LOCATION	SERVES	SCFM	CAPACITY				MOTOR DATA					MANUFACTURER AND MODEL	REMARKS
				KW	VOLT	PH	HZ	HP	RPM	VOLTS	PH	HZ		
UH-1	ATCT GROUND LEVEL	STAIRWELL	100	4.0	208	1	60	1/100	1600	208	1	60	BERKO FRC-4020A	24 VOLT CONTROL
UH-2	CABLE ACCESS LEVEL	STAIRWELL	100	4.0	208	1	60	1/100	1600	208	1	60	BERKO FRC-4020A	24 VOLT CONTROL
UH-3	EG ROOM	ENGINE GENERATOR	650	10.0	460	3	60	1/30	1600	460	3	60	BERKO HUHAA-1048	24 VOLT CONTROL

BOILER SCHEDULE

MARK	LOCATION	SERVES	TYPE	INPUT (MBH)	OUTPUT (MBH)	WATER			FUEL	MANUFACTURER AND MODEL	REMARKS
						EWT	LWT	GPM			
B-1	MECH RM	HOT WATER	CAST IRON	130	108	164.4	185	9.6	NAT GAS	BURNHAM 205AH	6" VTR

HYDRONIC ACCESSORIES SCHEDULE

MARK	LOCATION	SERVES	MAX FLOW GPM	TANK VOL GAL	ACCEPT VOL GAL	MAX DIMENSIONS		OPER PRESS PSI	MANUFACTURER AND MODEL	REMARKS
						LENGTH	DIAMETER			
XT-1	MECH RM	HOT WATER	-	22	5	50"	12"	150	B & G D-40	HORIZONTAL
AS-1	MECH RM	HOT WATER	80	--	--	--	--	150	B & G RL-3F	
XT-2	EG BLDG, RM 127	CHILLED WATER	-	22	5	50"	12"	150	B & G D-40	HORIZONTAL
AS-2	EG BLDG, RM 127	CHILLED WATER	124	--	--	--	--	150	B & G RL-3F	

PUMP SCHEDULE

MARK	LOCATION	SERVES	TYPE	GPM	TOTAL HEAD FT WG	MOTOR DATA					MANUFACTURER AND MODEL	REMARKS
						HP	RPM	VOLTS	PH	HZ		
P-1	MECH RM	HOT WATER	INLINE	12	22	1/2	1760	120	1	60	BELL & GOSSETT 1 1/2A	
P-2	MECH RM	HOT WATER	INLINE	12	22	1/2	1760	120	1	60	BELL & GOSSETT 1 1/2A	STANDBY
P-3	EXTERIOR	CHILLED WATER	BASE	124	105	10	1750	460	3	60	BELL & GOSSETT 1510-2E	(1)
P-4	EXTERIOR	CHILLED WATER	BASE	124	105	10	1750	460	3	60	BELL & GOSSETT 1510-2E	STANDBY (1)

(1) WITH TEFC MOTOR

CONSTANT VOLUME FAN POWERED TERMINAL UNIT SCHEDULE

MARK	PRIMARY AIR			MOTOR DATA				FAN DATA		HW REHEAT COIL DATA			MANUFACTURER AND MODEL	REMARKS
	INLET DIAMETER	CFM MAX	CFM MIN	HP	VOLT	PH	HZ	CFM MAX	ESP IN WG	ROW	BTUH	GPM		
VAV-1 - 4	10"	1000	100	1/4	277	1	60	1000	0.3	1	17500	1/2	TITUS "TQS"	
VAV-5 - 8	8"	700	100	1/4	277	1	60	700	0.3	1	10000	1/4	TITUS "TQS"	

NOTE: PRIMARY AIR IS VARIABLE VOLUME

FILTER SCHEDULE

MARK	SERVES	TYPE	CFM	MAX FACE VEL FPM	PD (IN WG)		NUMBER AND SIZE	MIN AVG EFF ASHRAE	MANUFACTURER AND MODEL	REMARKS
					INITIAL	FINAL				
F-1	CRU-3, 4	THROWAWAY PLEATED	1250	500	0.28	0.90	1 - 16x25x4	30%	BY CRU MFG	
F-2	AHU-1	CARTRIDGE	4250	550	0.68	1.2	2 - 24x24x12	95%	AMERICAN AIR FILTER, VERICELL	
F-3	AHU-1	THROWAWAY PLEATED	4250	550	0.28	0.90	2 - 24x24x2	30%	AMERICAN AIR FILTER, PERFECT PLEAT	
F-4	EG ROOM	THROWAWAY PLEATED	4725	500	0.28	0.90	12 - 24x24x2	30%	AMERICAN AIR FILTER, PERFECT PLEAT	
F-5	AHU-2, 3	CARTRIDGE	3600	600	0.68	1.2	1 - 24x24x12, 1 - 12x24x12	95%	AMERICAN AIR FILTER, PERFECT PLEAT	
F-6	AHU-2, 3	THROWAWAY PLEATED	3600	600	0.28	0.90	1 - 24x24x2, 1 - 12x24x2	30%	AMERICAN AIR FILTER, VERICELL	
F-7	AHU-4, 5	CARTRIDGE	4650	580	0.68	1.2	2 - 12x24x12, 1 - 24x24x12	95%	AMERICAN AIR FILTER, PERFECT PLEAT	
F-8	AHU-4, 5	THROWAWAY PLEATED	4650	580	0.28	0.90	1 - 24x24x2, 2 - 12x24x2	30%	AMERICAN AIR FILTER, VERICELL	
F-9	VAV - 1 - 8	THROWAWAY PLEATED	900	500	0.20	0.80	1 - 13x11.5x1	20%	AMERICAN AIR FILTER	
F-10	CRU-1, 2	THROWAWAY PLEATED	1800	500	0.28	0.90	2 - 28x30x2	30%	BY CRU MFG	
F-11	EF-3	WASHABLE	100	500	0.10	0.50	1 - 9x11x1/4	--	GREENHECK	
F-12	FCU-1, 2, 3	THROWAWAY PLEATED	1000	500	0.20	0.80	4 - 10x10x1	20%	AAF	

FAN SCHEDULE

MARK	LOCATION	SERVES	CFM	TOTAL SP IN WG	FAN RPM	MOTOR DATA				TYPE	MANUFACTURER AND MODEL	REMARKS
						HP	VOLTS	PH	HZ			
SPF-1	ATCT GROUND LEVEL	STAIRWELL PRESSURE	4000	5/8	773	2	460	3	60	UTILITY	GREENHECK SFB-15	ESSENTIAL POWER
SVF-1	JUNCTION LEVEL	VESTIBULE SUPPLY	1200	5/8	1323	3/4	460	3	60	UTILITY	GREENHECK SFB-9	ESSENTIAL POWER
SVF-2	LOWER INTERMEDIATE LVL	VESTIBULE EXHAUST	1800	5/8	2480	1	460	3	60	INLET	GREENHECK BSQ-100-10	ESSENTIAL POWER

EXHAUST FAN SCHEDULE

MARK	LOCATION	SERVES	FAN TYPE/ DRIVE TYPE	CFM	TOTAL SP IN WG	MOTOR DATA				FAN RPM	MANUFACTURER AND MODEL	SONES	REMARKS
						HP	VOLTS	PH	HZ				
EF-1	BASE BLDG ROOF	RESTROOM, JANITOR	ROOF/BELT	1050	1/2	1/4	120	1	60	1180	GREENHECK GB-120-4	8.4	INTERLOCK WITH AHU-1
EF-2	EG BUILDING ROOF	EG RESTROOM	ROOF/DIRECT	100	1/4	1/60	120	1	60	1300	GREENHECK G-65G	2.7	INTERLOCK WITH AHU-1
EF-3	JUNCTION LEVEL	RESTROOM	CABINET/DIRECT	75	1/4	49 W	120	1	60	950	GREENHECK SP-210	1.6	
EF-4	EG BLDG ROOF	EG ROOM	ROOF/DIRECT	300	3/8	1/20	120	1	60	1550	GREENHECK G-80D	7.4	

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001-A.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

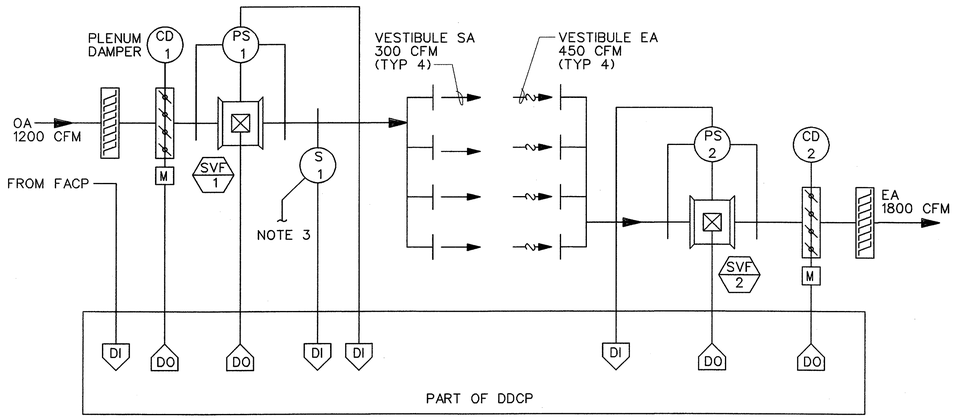
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC
EQUIPMENT SCHEDULES

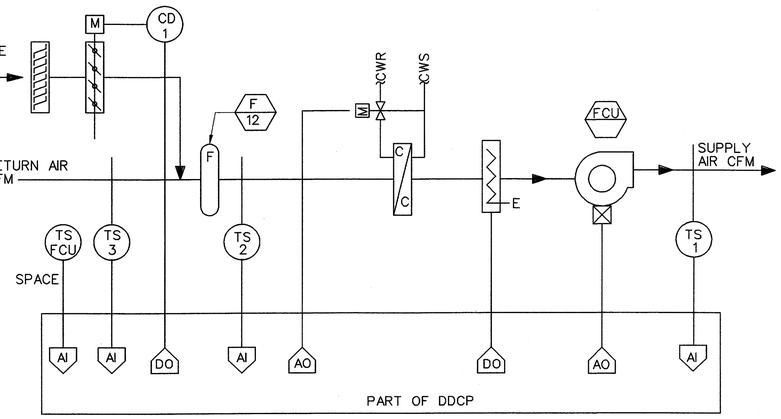
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	Mike Doerr 7/21/03	Johnnie L. Walker 7/23/03
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630

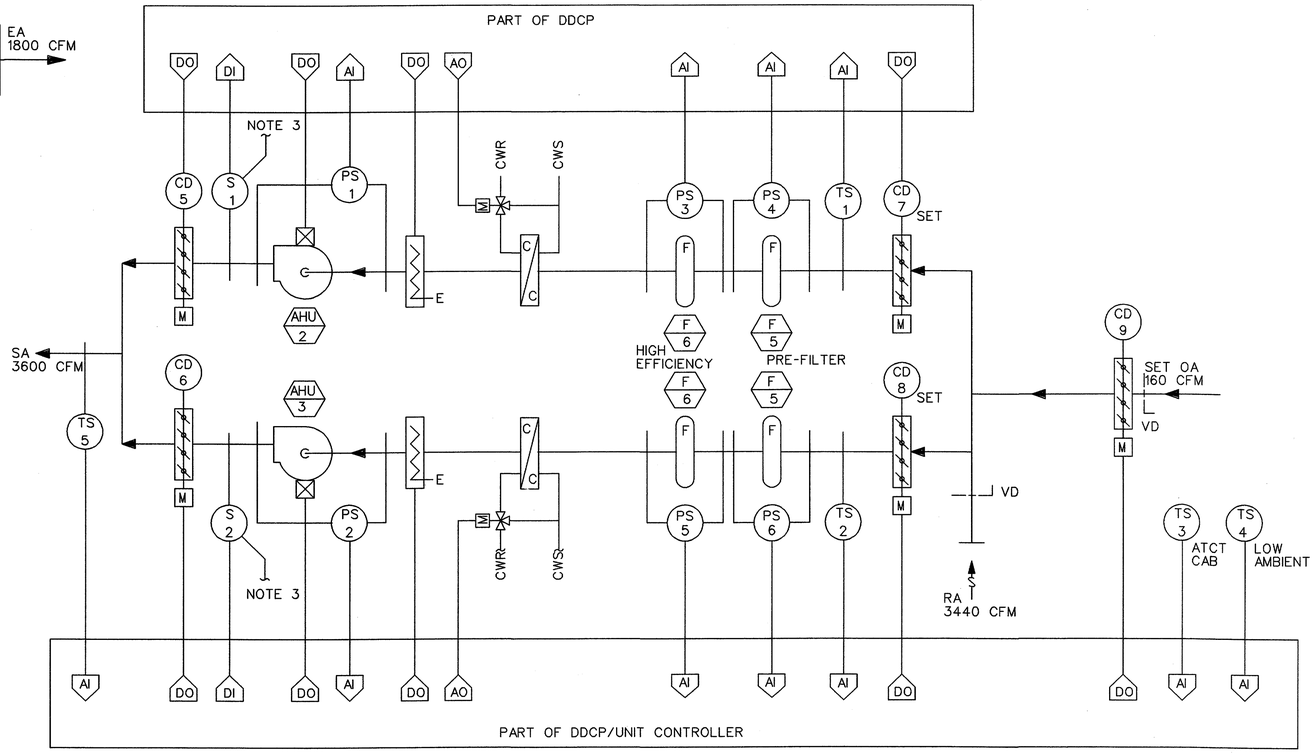
DESIGNED M. DOERR	ISSUED BY	DATE 06-23-03	JCN 9700164
DRAWN KS	NAS IMPLEMENTATION ANI-600	DRAWING NO ADS-D-ATCT-M002	REV A
CHECKED			



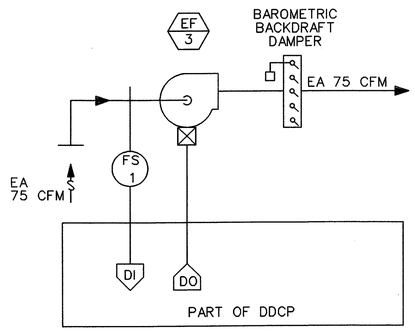
EXHAUST CONTROL AND AIR FLOW DIAGRAM
VESTIBULE VENTILATION FAN SVF-1 AND SVF-2 (ATCT)



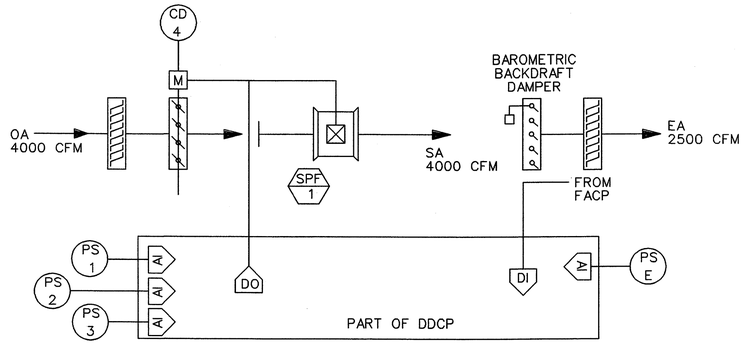
TEMPERATURE CONTROL AND AIR FLOW DIAGRAM
FAN COIL UNIT FCU-1,2,3 (TOWER SHAFT)



TEMPERATURE CONTROL AND AIR FLOW DIAGRAM
AHU-2 AND AHU-3 (ATCT CAB ROOF)



EXHAUST CONTROL AND AIR FLOW DIAGRAM
EXHAUST FAN EF-3 (ATCT JUNCTION LEVEL RESTROOM)



PRESSURE CONTROL AND AIR FLOW DIAGRAM
STAIR PRESSURIZATION FAN SPF-1 (ATCT)

NOTES:
1. FOR GENERAL NOTES, SEE DRAWING M001-A.
2. FOR SEQUENCE OF OPERATION, SEE SPECIFICATION SECTION 15975.
3. PROVIDE CONNECTION TO THE FIRE ALARM CONTROL PANEL.

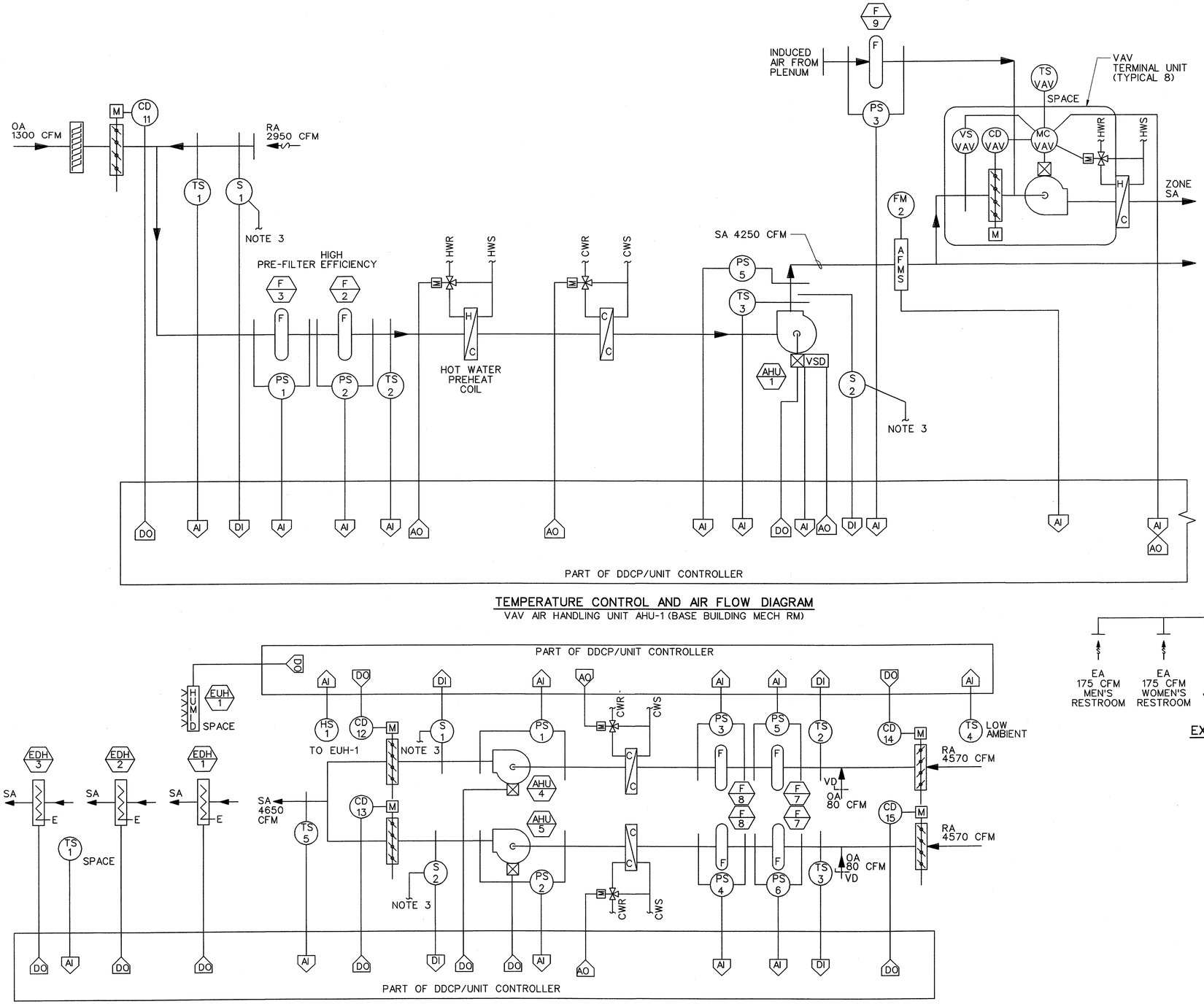
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC CONTROL DIAGRAMS ATCT

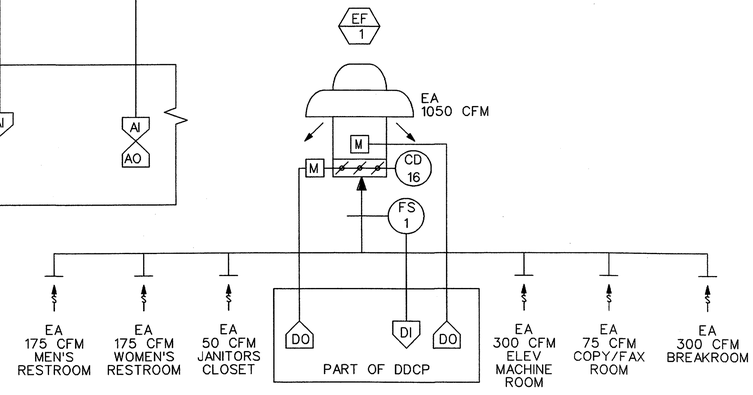
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: Ruben Medrano — PROJECT ENGINEER, ANI-630	APPROVED BY: John L White 7/16/03 — PLATFORM MANAGER, ANI-630	
	DESIGNED: R. MEDRANO	DATE: 06-23-03	JCN: 9700164
	DRAWN: KS	ISSUED BY: NAS IMPLEMENTATION ANI-600	DRAWING NO: ADS-D-ATCT-M003
	CHECKED		REV: A



TEMPERATURE CONTROL AND AIR FLOW DIAGRAM
VAV AIR HANDLING UNIT AHU-1 (BASE BUILDING MECH RM)

TEMPERATURE CONTROL AND AIR FLOW DIAGRAM
AHU-4 AND AHU-5 (EQUIPMENT ROOM)



EXHAUST CONTROL AND AIR FLOW DIAGRAM
EXHAUST FAN EF-1 (BASE BUILDING RESTROOMS)

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001-A.
2. FOR SEQUENCE OF OPERATION, SEE SPECIFICATION SECTION 15975.
3. PROVIDE CONNECTION TO THE FIRE ALARM CONTROL PANEL.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

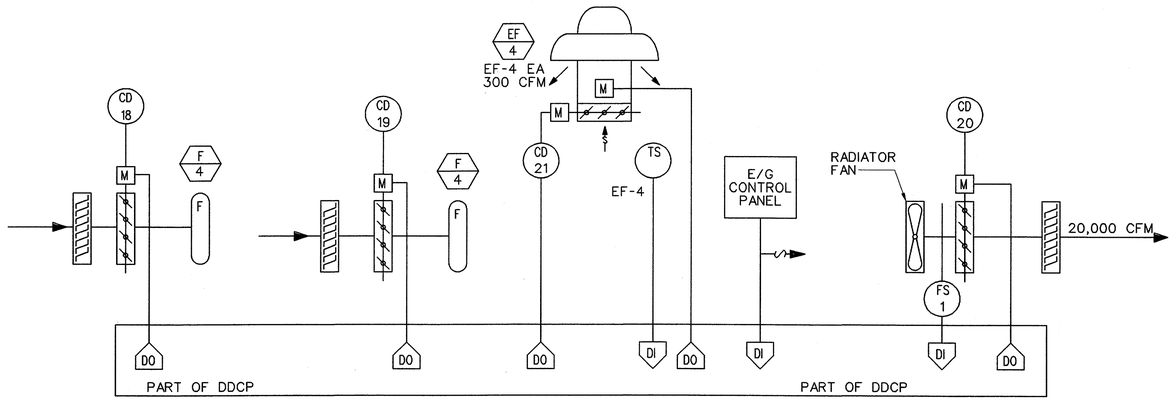
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC
CONTROL DIAGRAMS
BASE – EG BUILDING

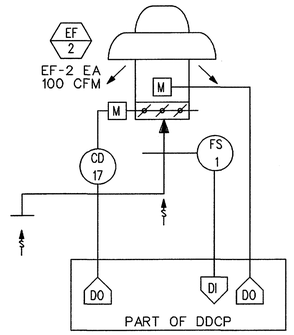
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: Ruben Medrano — PROJECT ENGINEER, ANI-630	APPROVED BY: Johnnie L. Wooten 7/8/03 — PLATFORM MANAGER, ANI-630
DESIGNED: R. MEDRANO	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03 JCN: 9700164
DRAWN: KS		DRAWING NO: ADS-D-ATCT-M004 REV: A
CHECKED		

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM



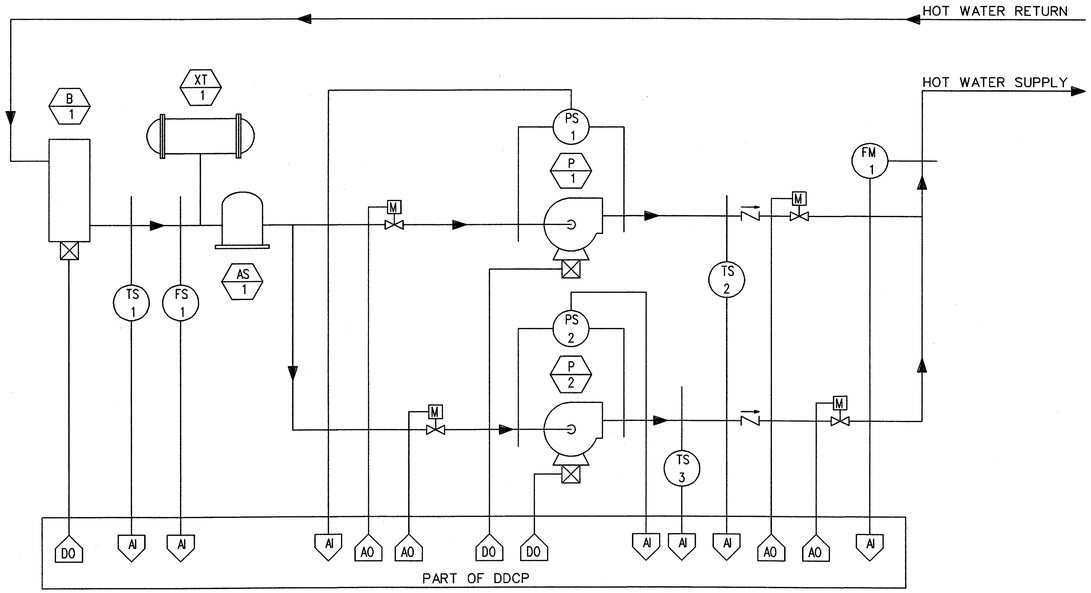
EG EXHAUST CONTROL AND AIR FLOW DIAGRAM
EXHAUST FAN EF-4



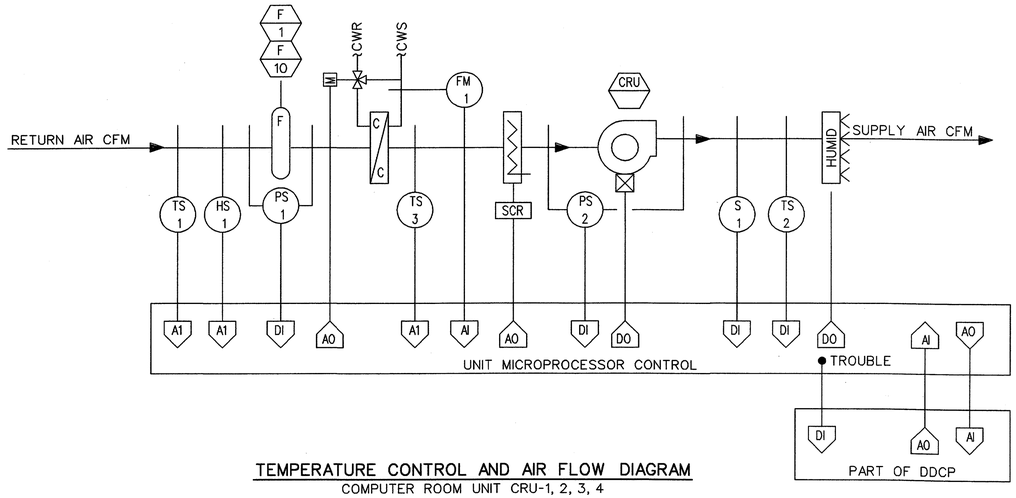
EXHAUST CONTROL AND AIR FLOW DIAGRAM
EXHAUST FAN EF-2 (EG)

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001-A.
2. FOR SEQUENCE OF OPERATION, SEE SPECIFICATION SECTION 15975.
3. PROVIDE CONNECTION TO THE FIRE ALARM CONTROL PANEL.



TEMPERATURE CONTROL AND WATER FLOW DIAGRAM
BOILER B-1 AND PUMPS P-1, P-2 (BASE BUILDING)



TEMPERATURE CONTROL AND AIR FLOW DIAGRAM
COMPUTER ROOM UNIT CRU-1, 2, 3, 4

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC
CONTROL DIAGRAMS
BASE – EG BUILDING

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: Ruben Medrano — PROJECT ENGINEER, ANI-630	APPROVED BY: John R. White 7/8/03 — PLATFORM MANAGER, ANI-630	
DESIGNED: R. MEDRANO	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: KS		DRAWING NO: ADS-D-ATCT-M005	REV: A
CHECKED			

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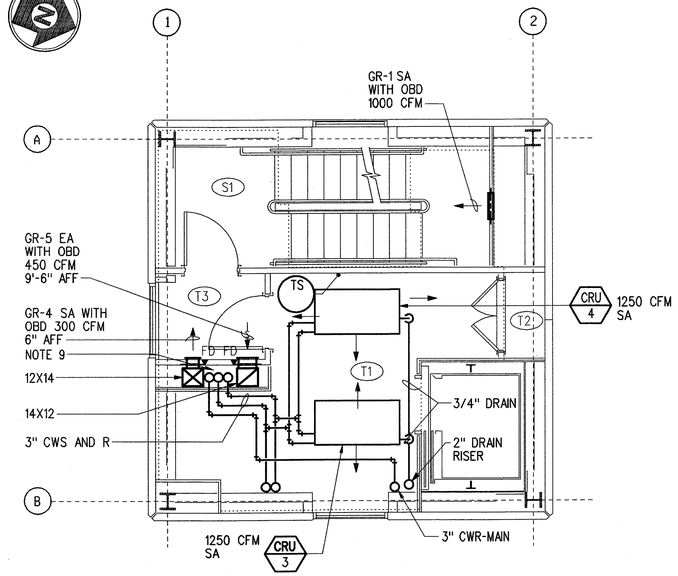
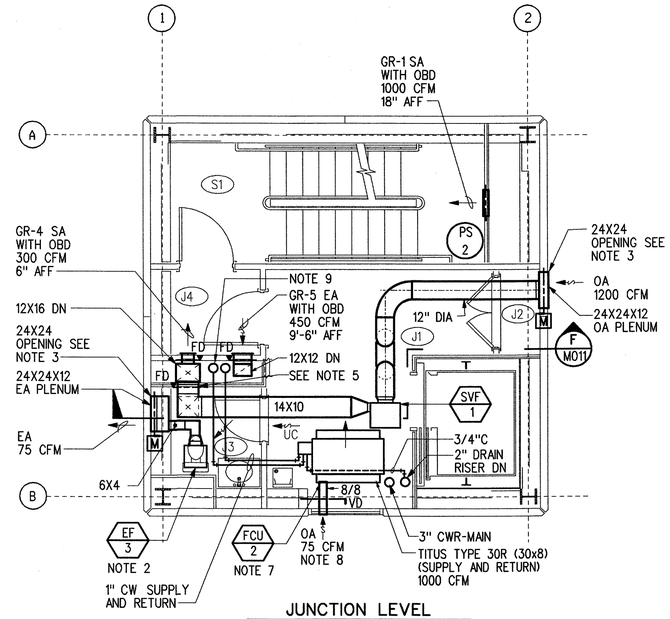


TOP INTERMEDIATE LEVEL

SCALE: 1/4" = 1'-0" EL = 30'-0"



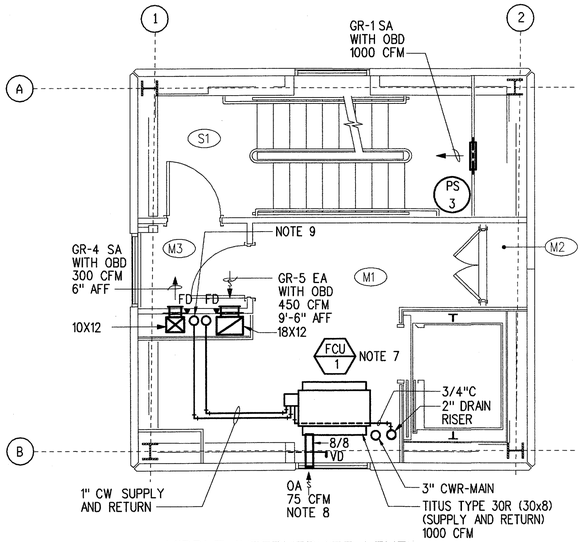
JUNCTION LEVEL

SCALE: 1/4" = 1'-0" EL = 30'-0"

ROOM SCHEDULE	
RM NO.	ROOM NAME
G1	LOBBY
G2	ELEVATOR MACHINE ROOM
G3	STAIR PRESSURIZATION
L1	UNASSIGNED
L2	CABLE CHASE
L3	VESTIBULE
M1	ELECTRICAL EQUIPMENT
M2	CABLE CHASE
M3	VESTIBULE
T1	ELECTRONIC EQUIPMENT
T2	CABLE CHASE
T3	VESTIBULE
J1	CORRIDOR
J2	CABLE CHASE
J3	RESTROOM
J4	VESTIBULE
S1	STAIR

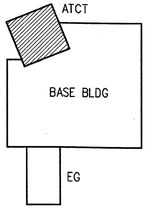
NOTES:

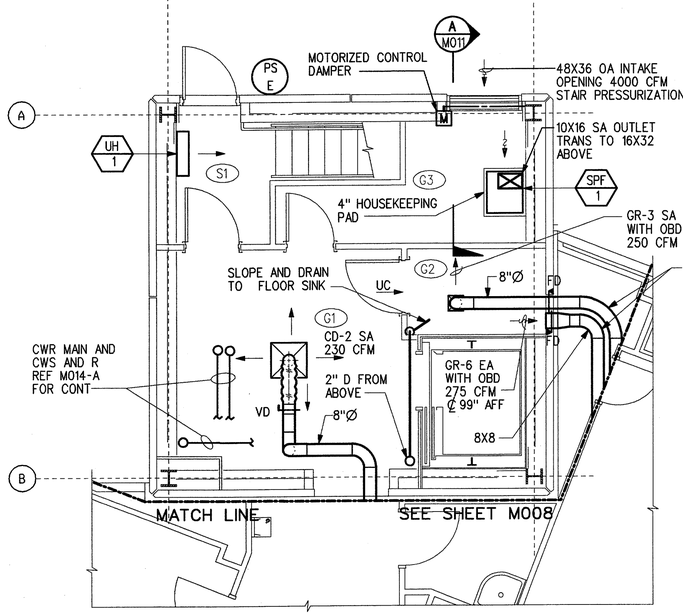
1. FOR GENERAL NOTES, SEE DRAWING M001-A.
2. PROVIDE AND INSTALL 1 1/2 HOUR RATED FIRE DAMPER AT EF-3 CEILING GRILLE.
3. PROVIDE AND INSTALL CONTROL DAMPER AT WALL LOUVER. CONTROL DAMPER SHALL BE INTERLOCKED WITH THE DDCP AND FIRE CONTROL SYSTEM. DAMPER SHALL OPEN IN FIRE MODE. SEE ARCH. DWGS AND SECTION "F" ON DWG M011-A FOR EXACT LOCATION OF INTAKE LOUVER.
4. ROUTE DUCTWORK DIRECTLY BELOW THE ELECTRICAL CABLE TRAY. THE OUTSIDE EDGES OF TRAY SHALL BE BEYOND THE DUCTWORK. DO NOT SUPPORT DUCTWORK FROM CABLE TRAY.
5. SVF-1 FAN TO DUCT TRANSITION: 10X6 OUTLET TO 12X12 DUCT ELBOW.
6. SVF-2 FAN TO DUCT TRANSITION: INLET 45° MAX; OUTLET, 30° MAX.
7. PROVIDE FCU WITH SUPPLY AND RETURN DUCT PLENUM. CONNECT OA TO RETURN PLENUM.
8. CONNECT OA DUCT TO LOUVER. BLANK-OFF AND INSULATE (5 1/2" BATT) INACTIVE SECTIONS OF LOUVER, REF ARCH. DRAWINGS.
9. CHILLED WATER RETURN, AND CHILLED WATER SUPPLY RISERS.



MIDDLE INTERMEDIATE LEVEL

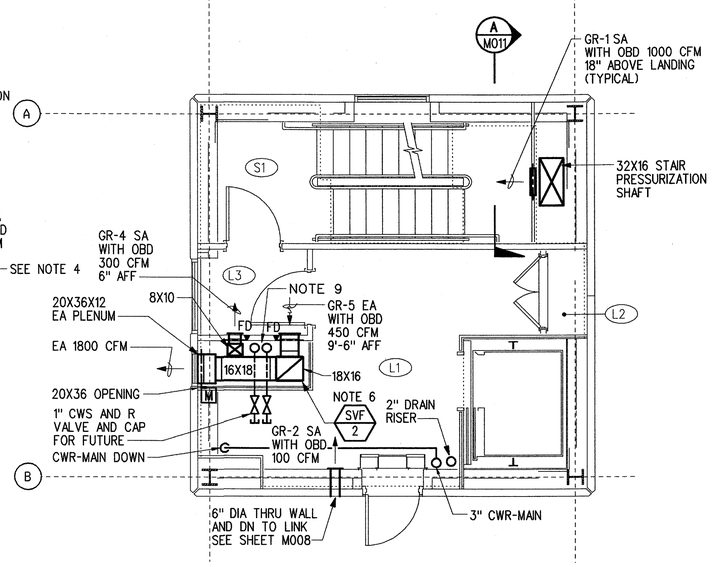
SCALE: 1/4" = 1'-0" EL = 20'-0"





GROUND LEVEL

SCALE: 1/4" = 1'-0" EL = 30'-0"



LOWER INTERMEDIATE LEVEL

SCALE: 1/4" = 1'-0" EL = 30'-0"

4' 0 4' 8'

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

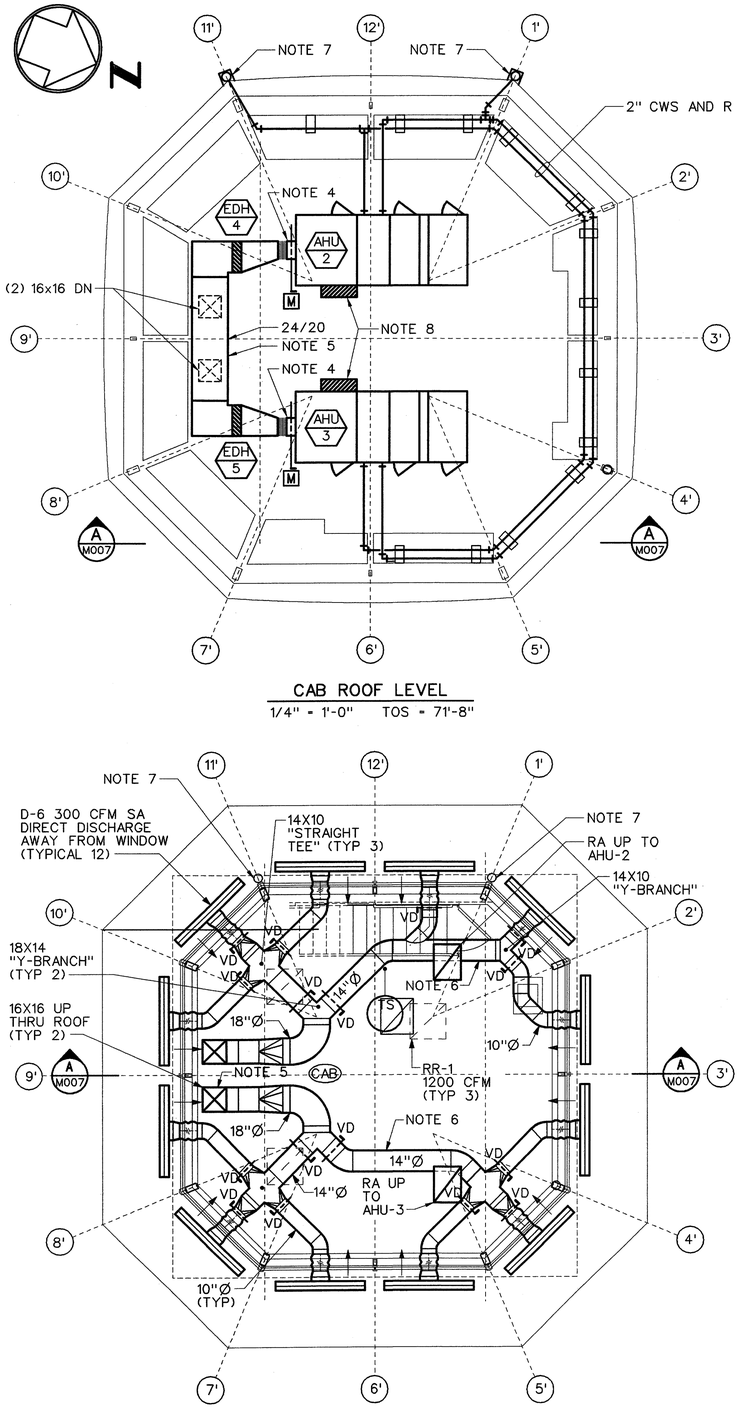
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC
FLOOR PLANS

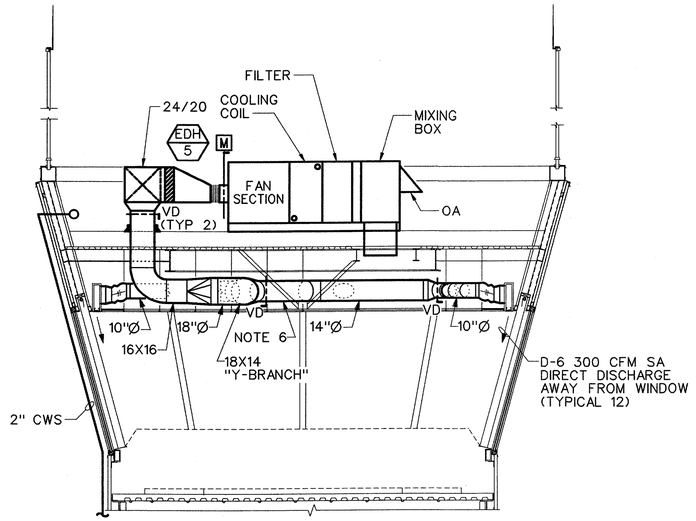
ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY: PROJECT ENGINEER, ANI-630 — 7/21/03	APPROVED BY: PLATFORM MANAGER, ANI-630 — 7/18/03
DESIGNED M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE 06-23-03 JCN 9700164
DRAWN LTM		DRAWING NO ADS-D-ATCT-M006 REV A
CHECKED		

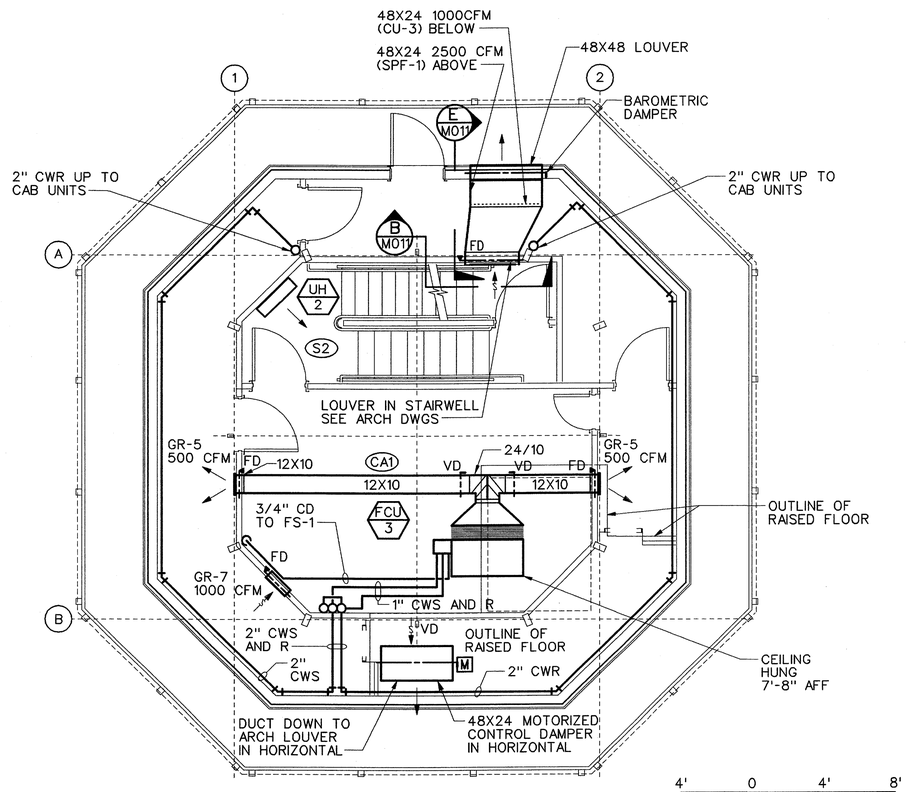


CAB ROOF LEVEL
1/4" = 1'-0" TOS = 71'-8"

CAB LEVEL
1/4" = 1'-0" EL = 57'-10"



A M007 SECTION
SCALE: 1/4" 1'-0"



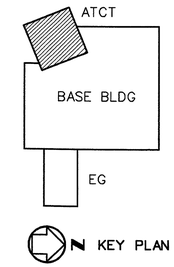
CABLE ACCESS WALKWAY LEVEL
1/4" = 1'-0" EL = 49'-10"

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

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001.
2. PROVIDE 2 INCH ACOUSTICAL LINING FOR ALL RETURN AIR DUCTWORK.
3. NOT USED.
4. PROVIDE LOW LEAKAGE DAMPERS.
5. PROVIDE 2 INCH ACOUSTICAL LINING FOR ALL RECTANGULAR SUPPLY AIR DUCTWORK.
6. PROVIDE DOUBLE-WALL PERFORATED ROUND DUCTWORK WITH 1 INCH LINING FOR INTERIOR SUPPLY AIR SYSTEM.
7. CWS AND R IN EXTERIOR MULLION CAP. REFERENCE ARCHITECTUAL DRAWINGS.
8. REMOTE, SCR CONTROL PANEL FOR EDH-4 AND EDH-5.

ROOM SCHEDULE	
RM NO.	ROOM NAME
CA1	CABLE ACCESS
CAB	CAB
S2	CAB STAIR



REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

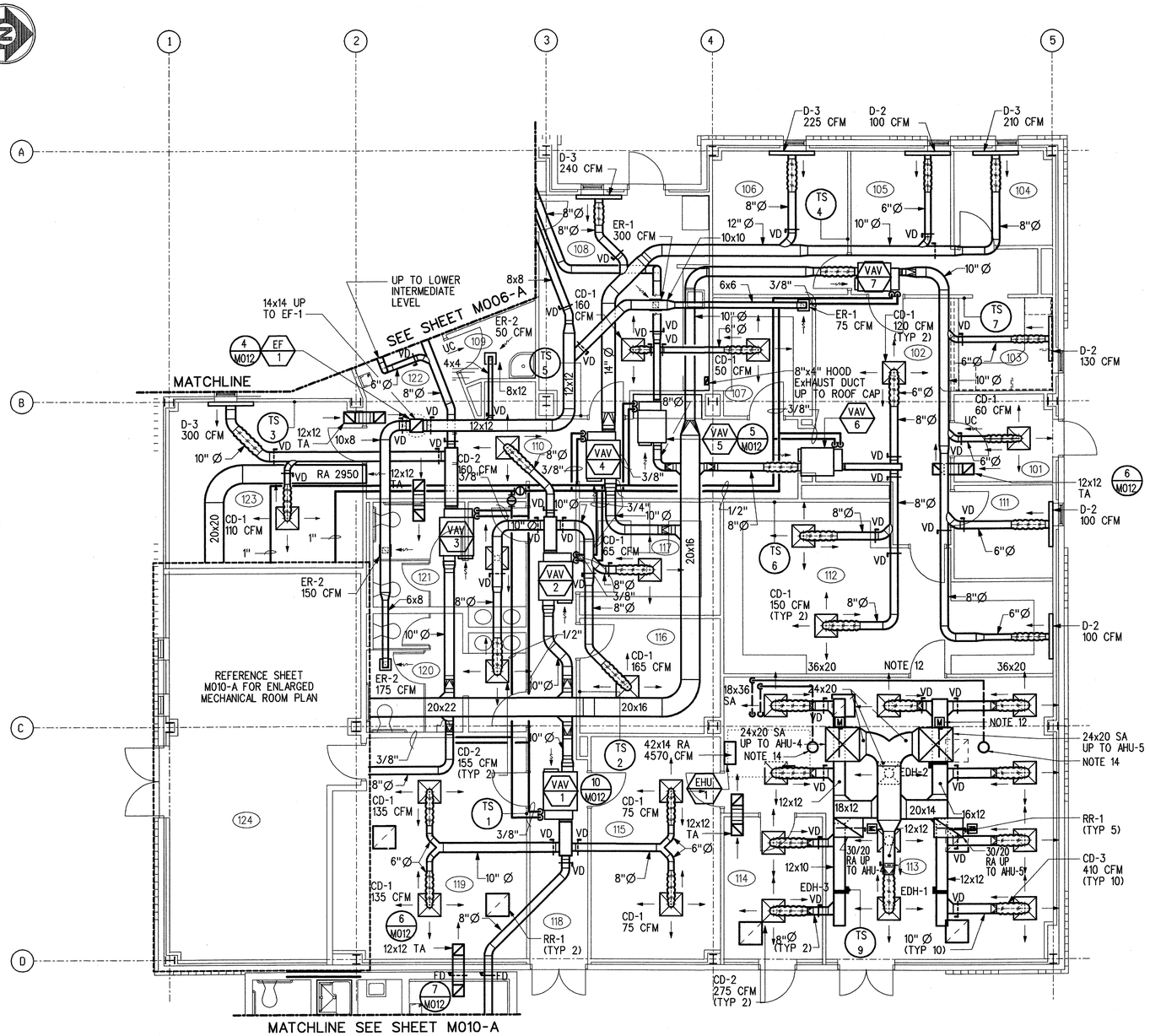
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC
FLOOR PLANS

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630

DESIGNED	M. DOERR	ISSUED BY	DATE	06-23-03	JCN	9700164
DRAWN	JM/LB	NAS IMPLEMENTATION ANI-600	DRAWING NO	ADS-D-ATCT-M007	REV	A
CHECKED						

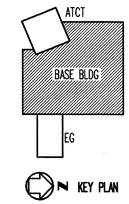


FLOOR PLAN BASE BUILDING
SCALE: 3/16" = 1'-0"

ROOM SCHEDULE	
RM NO.	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	JAN CLOSET
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	EG ROOM

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001.
2. ALL DUCTWORK CONNECTIONS TO NEW DIFFUSERS SHALL MATCH THE NECK SIZE LISTED IN THE AIR DEVICE SCHEDULE.
3. COORDINATE ELEVATION OF PIPING OR DUCTWORK TO AVOID CABLE TRAY INSTALLATION.
4. ALL BRANCH DUCTWORK CONNECTING TO AN AIR DEVICE SHALL BE PROVIDED WITH VOLUME DAMPER AT TAKEOFF WHERE SHOWN AND NOT SHOWN. ALL DAMPERS SHALL BE INSTALLED PER SMACNA DUCT CONSTRUCTION STANDARDS.
5. PROVIDE RECTANGULAR TAKEOFF FROM PRIMARY DUCT SIZED AS SHOWN IN THE TERMINAL SCHEDULE ON DRAWING M001. CONTINUE PRIMARY DUCT RUN-OUT WITH RECTANGULAR TO ROUND TRANSITION SIZE TO MATCH TERMINAL INLET DIAMETER.
6. TERMINAL SUPPLY CFM (DAMPER AND FAN) SHALL BE BALANCED TO MATCH THE SUM OF CONNECTED DIFFUSER CFM AS SHOWN.
7. ALL PRIMARY SUPPLY AIR DUCTWORK UPSTREAM FROM TERMINAL UNIT SHALL BE MEDIUM PRESSURE CONSTRUCTION. SEE SPECIFICATIONS FOR DUCT SEAL TYPE.
8. ALL SECONDARY SUPPLY AIR DUCTWORK DOWNSTREAM FROM TERMINAL UNIT SHALL BE LOW PRESSURE CONSTRUCTION. SEE SPECIFICATIONS FPR DUCT SEAL TYPE.
9. ALL RETURN AIR SHALL BE THROUGH LIGHT FIXTURES UNLESS OTHERWISE NOTED. ALL WORK IN THE CEILING SPACE SHALL CONFORM TO CODE FOR A RETURN AIR PLENUM.
10. PRIMARY AIR DAMPER SHALL BE FIXED TO MAXIMUM SUPPLY SETTING TO MAINTAIN OUTSIDE AIR VENTILATION REQUIREMENTS.
11. TEMPERATURE SENSOR IDENTIFICATION NUMBER CORRESPONDS TO RESPECTIVE VAV TERMINAL NUMBER.
12. PROVIDE 2 POSITION MOTORIZED CONTROL DAMPERS. TYPICAL OF 4.
13. ROUTE DUCTWORK DIRECTLY BELOW ELECTRICAL CABLE TRAY. THE OUTSIDE EDGES OF TRAY SHALL BE BEYOND THE DUCTWORK. DO NOT SUPPORT DUCTWORK FROM CABLE TRAY.
14. (2) 1 1/4" CONDENSATE, ROUTE TO FS-1 BELOW RAISED FLOOR.



4' 0 4' 8' 12'
SCALE: 3/16" = 1'-0"

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

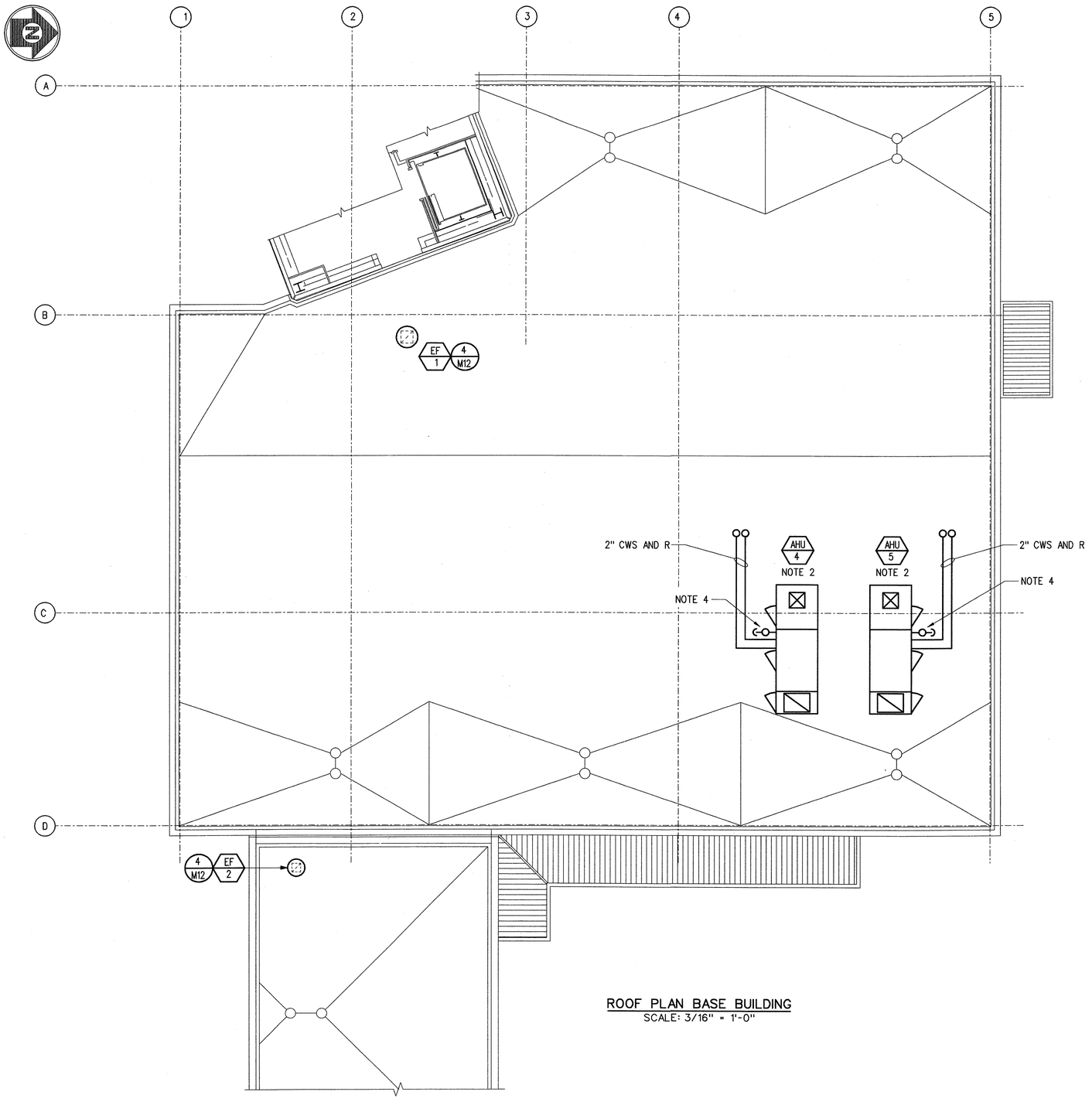
LOW ACTIVITY LEVEL ATCT
HVAC
EQUIPMENT SCHEDULES

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	Mike Doerr 7/21/03	7/18/03
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630
	DESIGNED M. DOERR	ISSUED BY NAS IMPLEMENTATION ANI-600
	DRAWN LTM	DATE 06-23-03 JCN 9700164
	CHECKED	DRAWING NO ADS-D-ATCT-M008 REV A

m:\ads\atct\active\ads-d-atct-m008-a.dgn
07/17/2003 04:54:02 PM ksorn

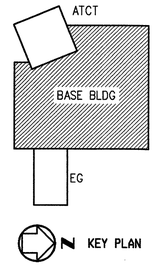
THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM



ROOF PLAN BASE BUILDING
SCALE: 3/16" = 1'-0"

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001-A.
2. MOUNT ROOFTOP AIR HANDLING UNITS ON FACTORY MADE ROOF CURBS.
3. COORDINATE APPROVED ROOF MOUNTED WALKWAY EQUIPMENT WITH WALKWAY SHOWN ON SHEET A006-A.
4. 1 1/4" CONDENSATE LINE FOR EACH UNIT. ROUTE TO FS-1 IN ROOM 113.



4' 0 4' 8' 12'
SCALE: 3/16" = 1'-0"

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

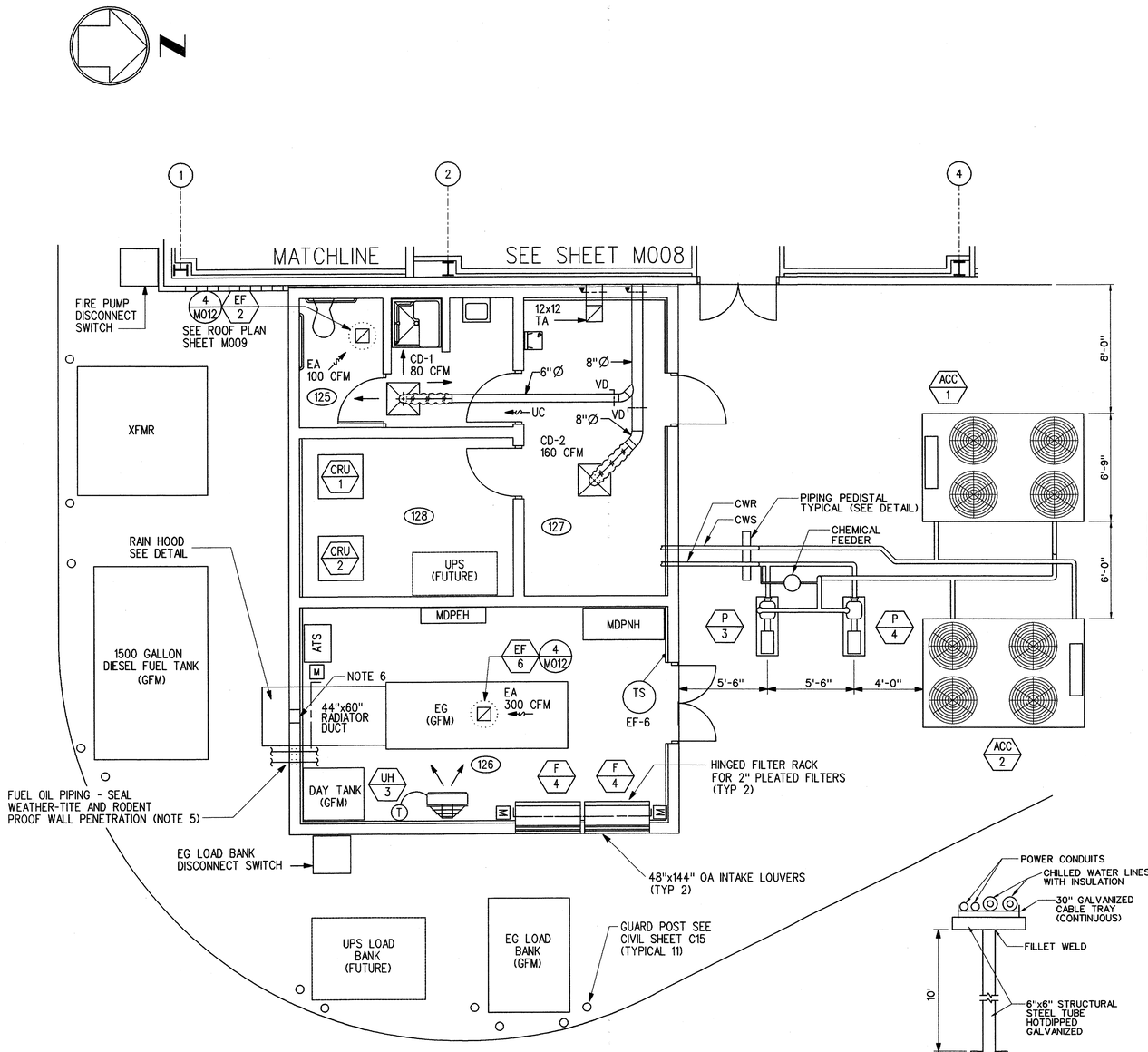
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC
ROOF PLAN
BASE-EG BUILDING

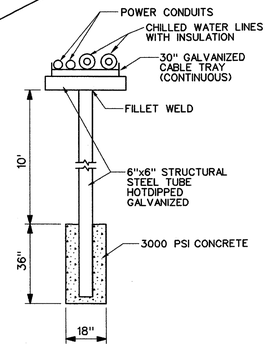
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: PROJECT ENGINEER, ANI-630 7/21/03	APPROVED BY: PLATFORM MANAGER, ANI-630 7/18/03	
DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: LTM		DRAWING NO: ADS-D-ATCT-M009	REV: A
CHECKED			

m:\ads\atct\active\ads-d-atct-m009-a.dgn
07/17/2003 04:54:04 PM kasm



ENGINE GENERATOR AREA AND EQUIPMENT YARD
SCALE: 1/4" = 1'-0"

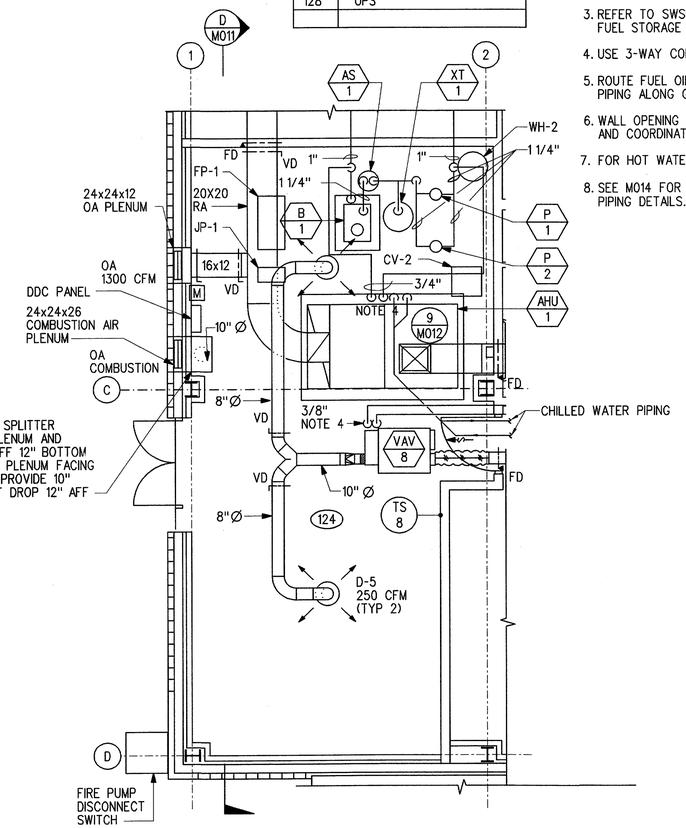


ABOVE GROUND PIPING PEDISTAL DETAIL
EQUIPMENT YARD
NOT TO SCALE

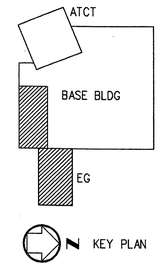
ROOM SCHEDULE	
RM NO.	ROOM NAME
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	EG ROOM
127	WORKROOM
128	UPS

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001.
2. FUEL OIL PIPING SHOWN IS SCHEMATIC ONLY. CONTRACTOR SHALL INSTALL PIPING FROM FUEL STORAGE TANK TO THE ENGINE GENERATOR. COORDINATE WITH GFM.
3. REFER TO SWSD-UST-M07-09 FOR FAA STANDARD FUEL STORAGE TANK INSTALLATION DETAILS.
4. USE 3-WAY CONTROL VALVE ON ALL AHU'S.
5. ROUTE FUEL OIL PIPING. PIPING ALONG GROUND BRACED WITH UNISTRUTS.
6. WALL OPENING FOR EG EXHAUST SHALL BE SIZED AND COORDINATED WITH GFM GENERATOR.
7. FOR HOT WATER FLOW DIAGRAM, SEE DETAIL 2 M012
8. SEE M014 FOR CHILLER AND PUMP PIPING DETAILS.



ENLARGED MECHANICAL ROOM BASE BUILDING
SCALE: 1/4" = 1'-0"



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

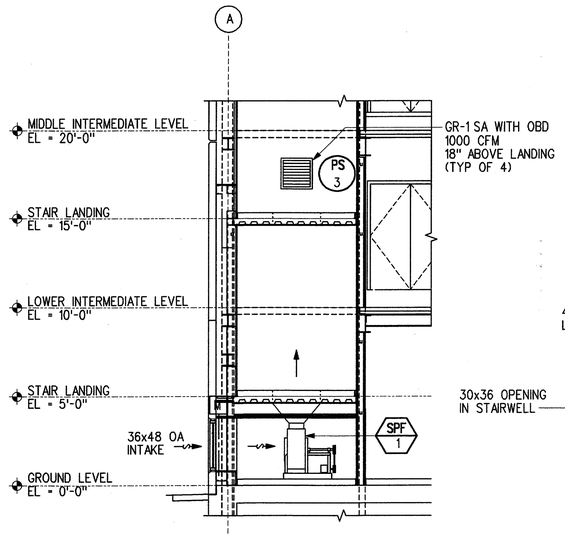
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

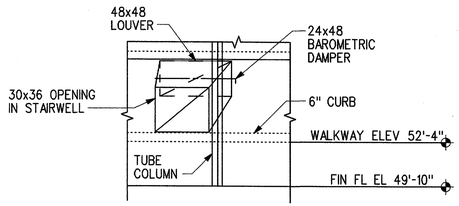
LOW ACTIVITY LEVEL ATCT
HVAC
ENLARGED PLANS
BASE-EG BUILDING

ADDISON ADDISON AIRPORT TX

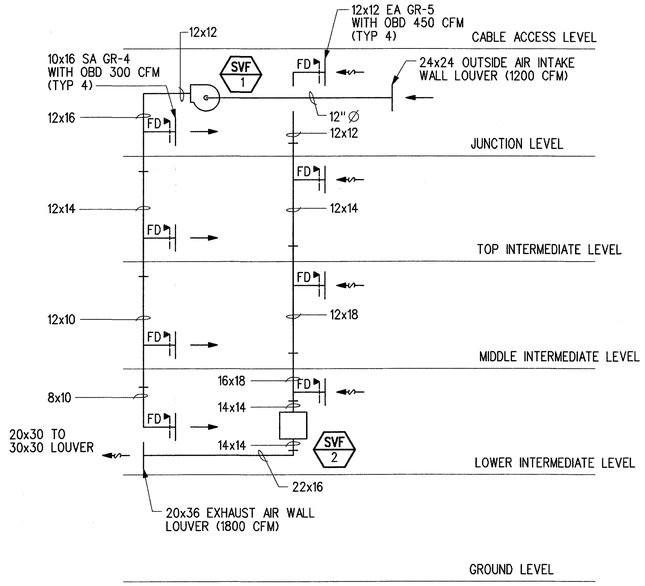
REVIEWED BY	SUBMITTED BY	APPROVED BY
	Mike Doerr 7/21/03	John R. White 7/18/03
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630
	DESIGNED M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600
	DRAWN LTM/LEB	DATE 06-23-03 JCN 9700164
	CHECKED	DRAWING NO ADS-D-ATCT-M010 REV A



REF M006 (A / M011) SECTION
SCALE: 1/4" = 1'-0"



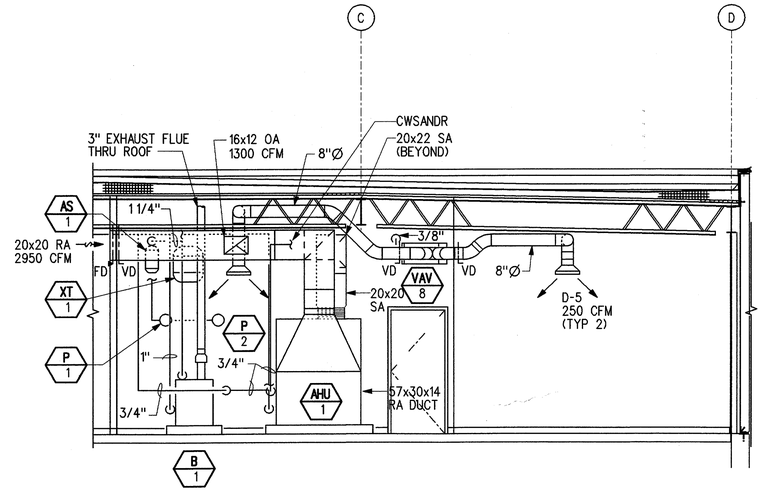
REF M007 (B / M011) SECTION
SCALE: 1/4" = 1'-0"



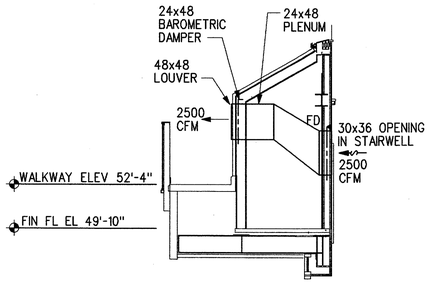
VESTIBULE RISER DIAGRAM
NOT TO SCALE

NOTE:

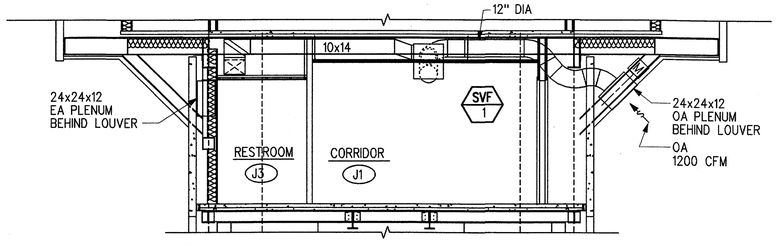
1. FOR GENERAL NOTES, SEE DRAWING M001.



REF M010 (D / M011) SECTION
SCALE: 1/4" = 1'-0"



REF M007 (E / M011) SECTION
SCALE: 1/4" = 1'-0"



REF M006 (F / M011) SECTION
SCALE: 1/4" = 1'-0"

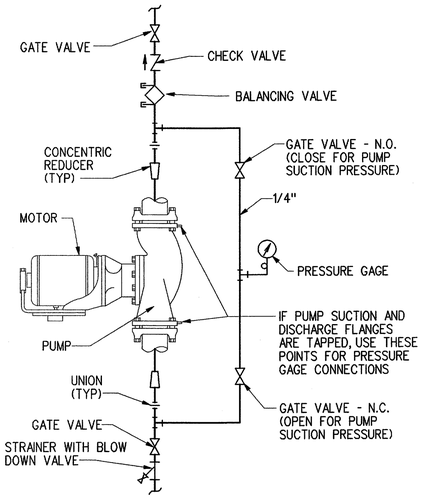
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

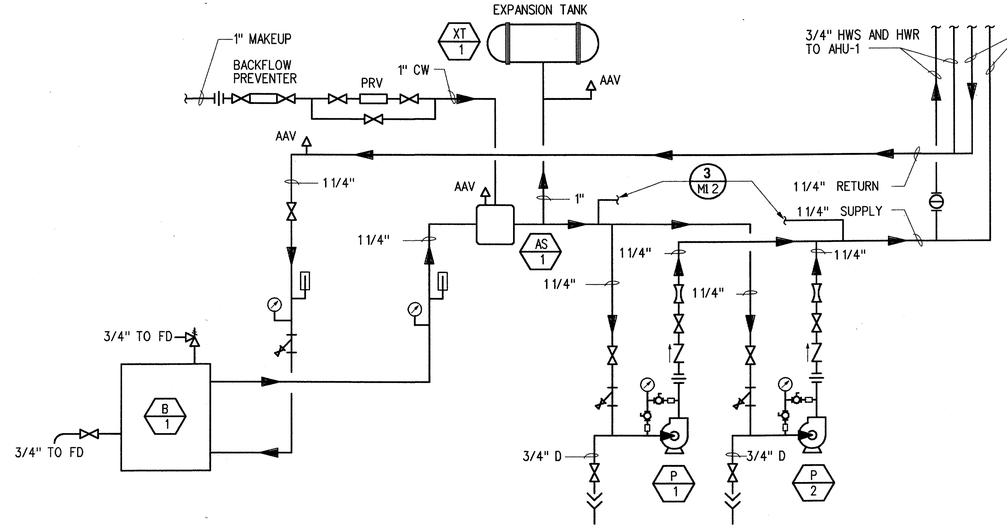
LOW ACTIVITY LEVEL ATCT
HVAC
SECTIONS

ADDISON — ADDISON AIRPORT — Tx

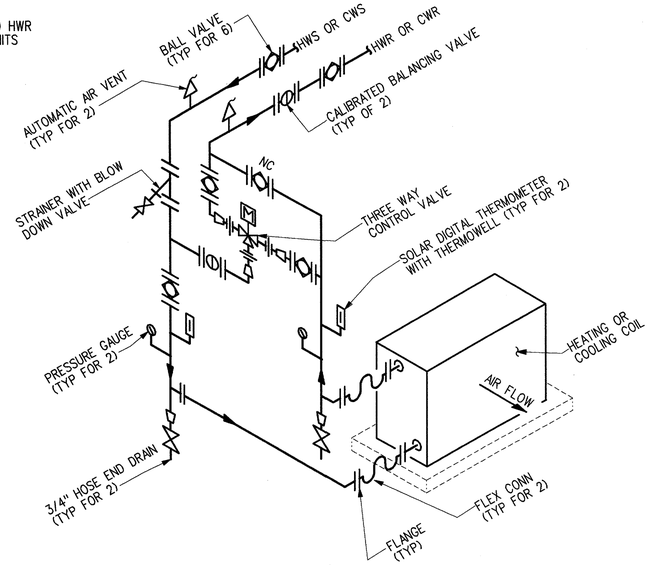
REVIEWED BY	SUBMITTED BY: Mike Doerr 7/21/03 — PROJECT ENGINEER, ANI-630	APPROVED BY: Johnnie L Walters 7/28/03 — PLATFORM MANAGER, ANI-630
DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03 JCN: 9700164
DRAWN: LTM		DRAWING NO: ADS-D-ATCT-M011 REV: A
CHECKED		



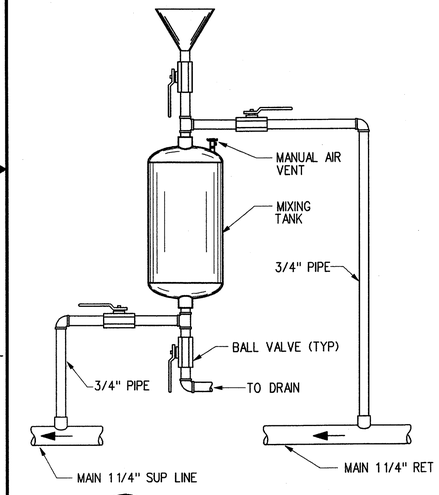
1 / M012 INLINE PUMP DETAIL
NOT TO SCALE



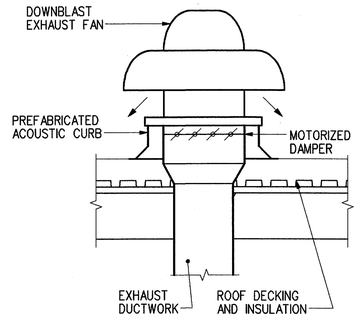
REF M010 / 2 / M012 HOT WATER FLOW DIAGRAM
NOT TO SCALE



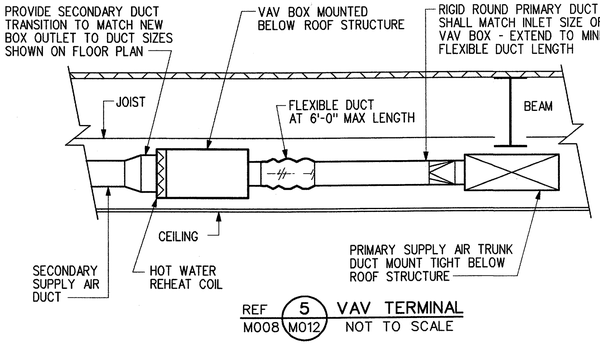
REF M010 / 9 / M012 PIPING CONNECTION TO AIR HANDLING UNIT DETAIL
NOT TO SCALE



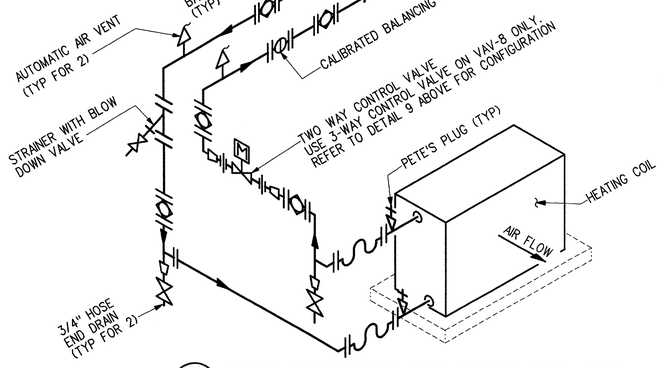
3 / M012 CHEMICAL FEEDER DETAIL
NOT TO SCALE



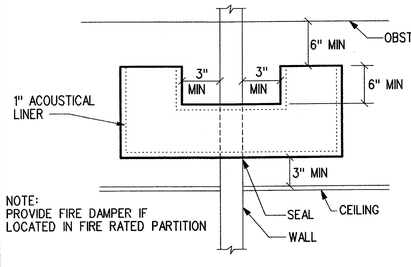
REF M007 M008 M009 M010 / 4 / M012 ROOF MOUNTED EXHAUST FAN
NOT TO SCALE



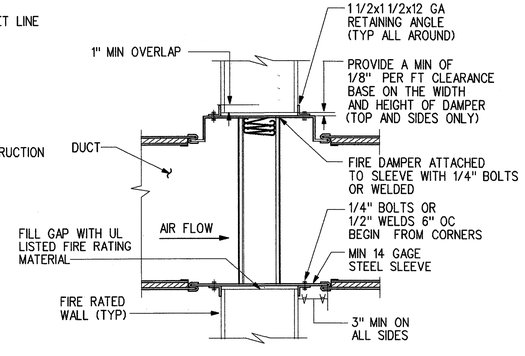
REF M008 / 5 / M012 VAV TERMINAL
NOT TO SCALE



REF M008 M010 / 10 / M012 PIPING CONNECTION VAV REHEAT COIL (TYP)
NOT TO SCALE



REF M008 / 6 / M012 AIR TRANSFER DUCT DETAIL
NOT TO SCALE



REF M008 / 7 / M012 FIRE DAMPER DETAIL
NOT TO SCALE

REV	DATE	DESCRIPTION	JON	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
HVAC DETAILS

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY Mike Doerr 7/21/03	APPROVED BY John W. Potts 7/18/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
DESIGNED M. DOERR	ISSUED BY NAS IMPLEMENTATION ANI-600	DATE 06-23-03	JON 9700164
DRAWN LTM		DRAWING NO ADS-D-ATCT-M012	REV A
CHECKED			

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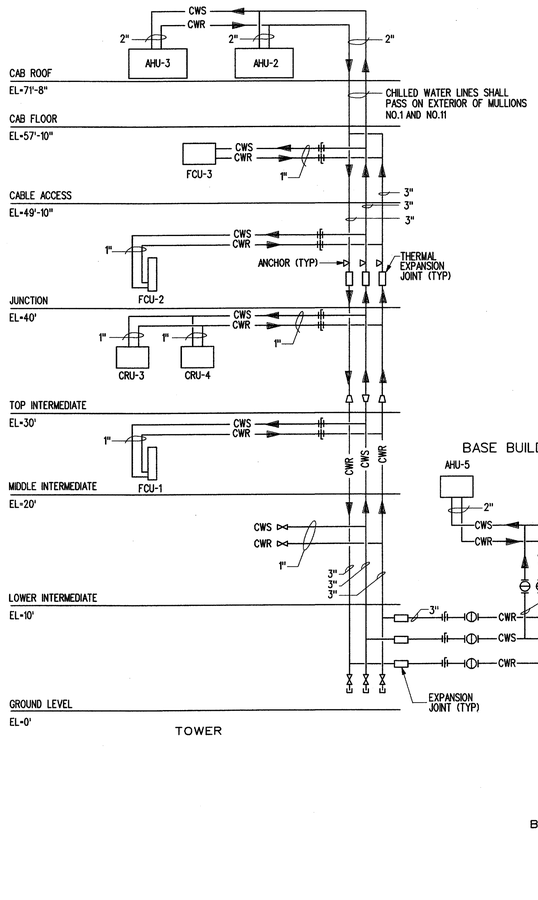
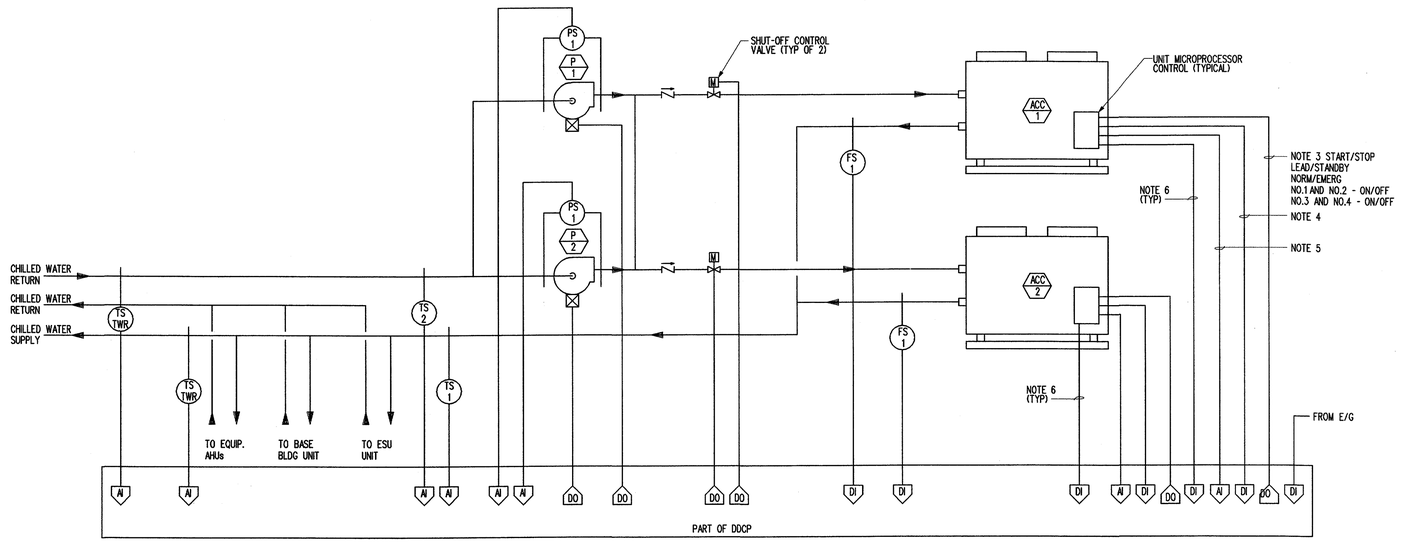
07/17/2003 04:54:11 PM ksom



CHILLED WATER RISER DIAGRAM
NOT TO SCALE



TEMPERATURE CONTROL AND WATER FLOW DIAGRAM
AIR COOLED CHILLER ACC-1 AND ACC-2 (EQUIPMENT YARD)

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001.
2. FOR SEQUENCE OF OPERATION, SEE SPECIFICATION SECTION 15975.
3. PROVIDE THE DDCP OUTPUT CONNECTIONS LISTED (TYPICAL FOR EACH ACC).
4. ALL DIGITAL STATUS/ALARM INDICATORS INCLUDED IN THE CHILLER MICROPROCESSOR CONTROL.
5. ALL ANALOG STATUS/ALARM INDICATORS INCLUDED IN THE CHILLER MICROPROCESSOR CONTROL.
6. PROVIDE CURRENT RELAY SWITCH FOR EACH COMPRESSOR TO INDICATE RUNNING STATUS.
7. SEE DETAILS ON DRAWINGS M014 FOR ALL COIL AND EQUIPMENT CONNECTIONS.
8. RISER DIAGRAMS ARE PROVIDED TO SHOW PIPING SIZES ONLY. FOR EXACT PIPING LENGTHS AND EQUIPMENT QUANTITIES, REFERENCE FLOOR PLANS.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
CHILLED WATER
RISER AND CONTROL DIAGRAMS

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: M. Doerr 7/22/03 PROJECT ENGINEER, ANI-630	APPROVED BY: John M. R. Walton 7/18/03 PLATFORM MANAGER, ANI-630	
DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: LTM		DRAWING NO: ADS-D-ATCT-M013	REV: A
CHECKED			

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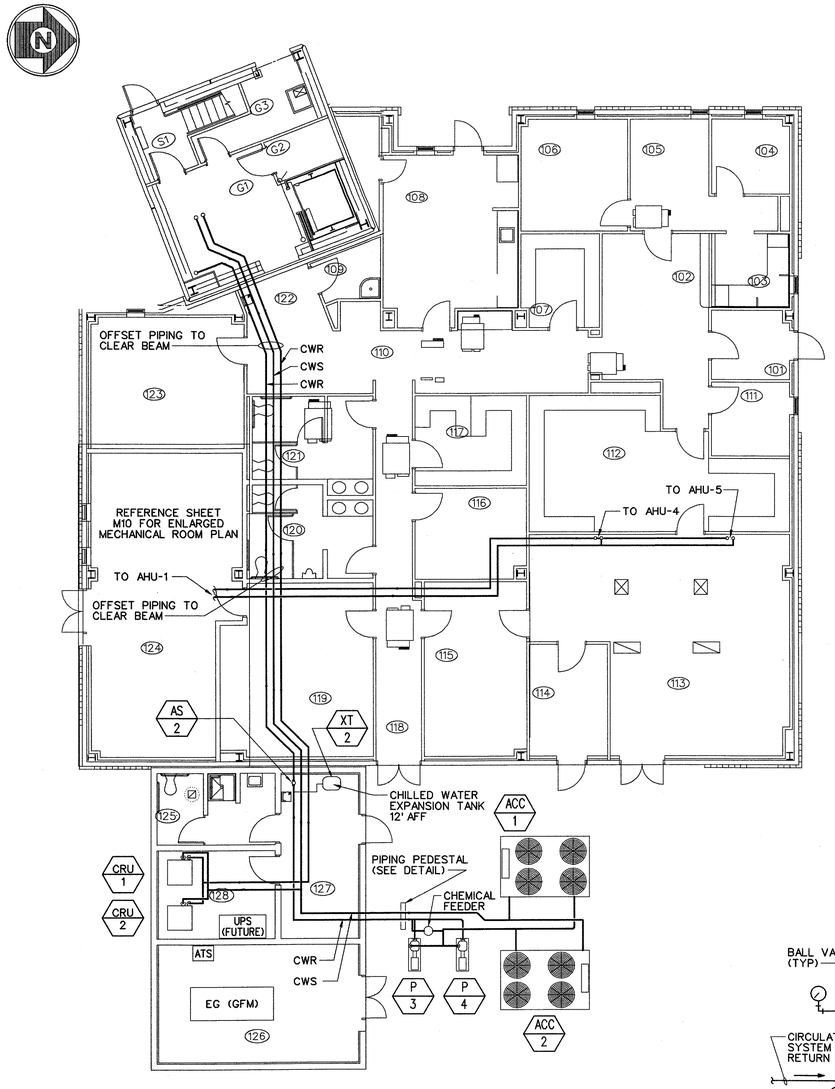
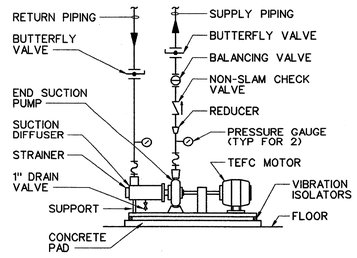
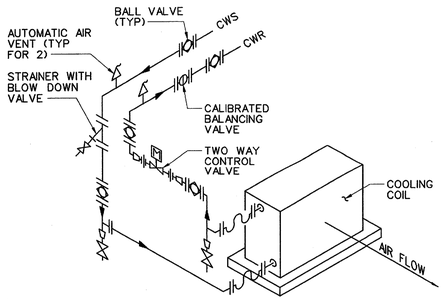
07/17/2003 04:54:13 PM ksom



CHILLER WATER PIPING GROUND FLOOR
SCALE: 1/8" = 1'-0"



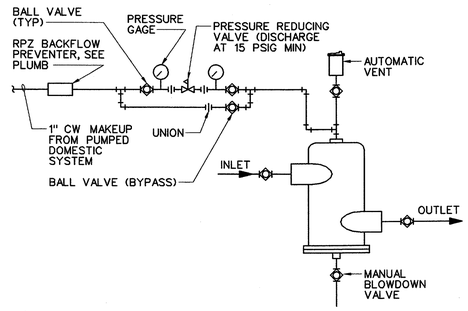
1 M014 PUMP PIPING DETAIL
NOT TO SCALE



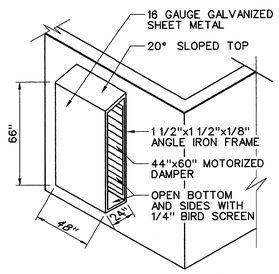
2 M014 FAN COIL UNIT PIPING DETAIL (TYP)
NOT TO SCALE

NOTES:

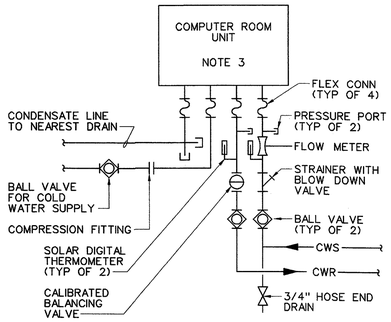
1. FOR GENERAL NOTES, SEE DRAWING M001.
2. SEE CHILLED WATER RISER ON DRAWING M013 FOR ALL UNIT CONNECTION PIPING SIZES.
3. PROVIDE 3-WAY CONTROL VALVES INTEGRAL WITH COMPUTER ROOM UNITS.



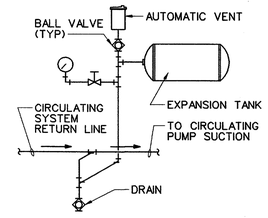
3 M014 AIR SEPARATOR
NOT TO SCALE



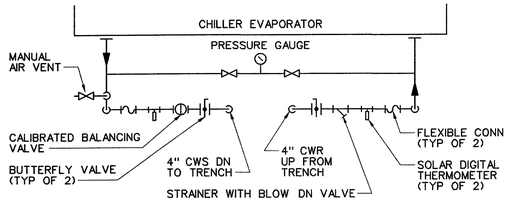
4 M014 RAIN HOOD ISOMETRIC
NOT TO SCALE



5 M014 PIPING CONNECTION TO COMPUTER ROOM UNIT
NOT TO SCALE



6 M014 EXPANSION TANK
NOT TO SCALE



7 M014 PIPING CONNECTION TO CHILLER (ACC-1 AND 2)
NOT TO SCALE

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

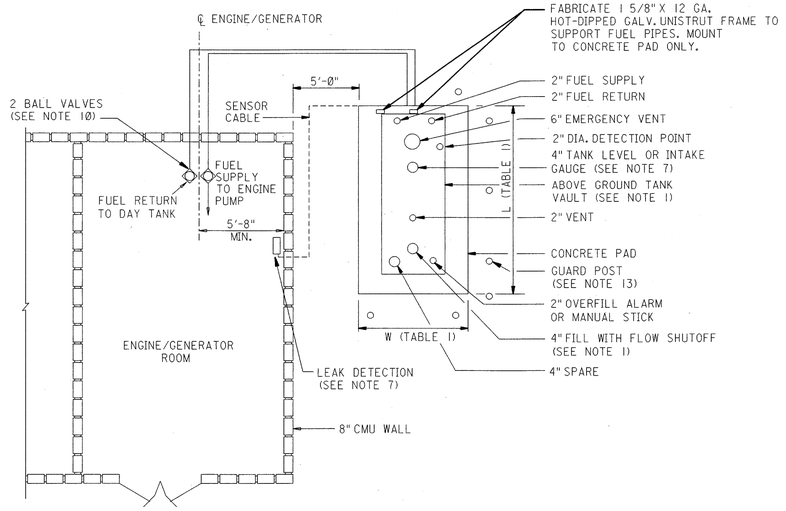
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
MECHANICAL DETAILS AND CHILLED WATER PIPING LAYOUT

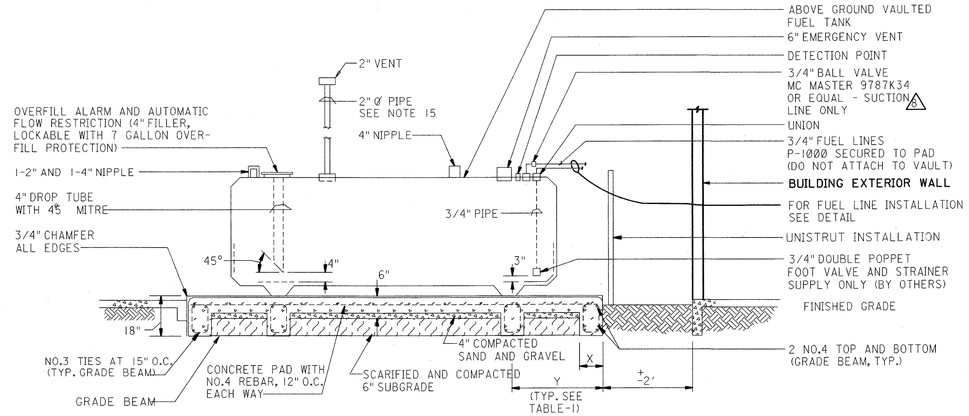
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: Mike Doerr 7/21/03 PROJECT ENGINEER, ANI-630	APPROVED BY: John Rumi L. Watts 7/18/03 PLATFORM MANAGER, ANI-630	
DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: KS		DRAWING NO: ADS-D-ATCT-M014	REV: A
CHECKED			



FUEL TANK GENERAL INSTALLATION

NOT TO SCALE

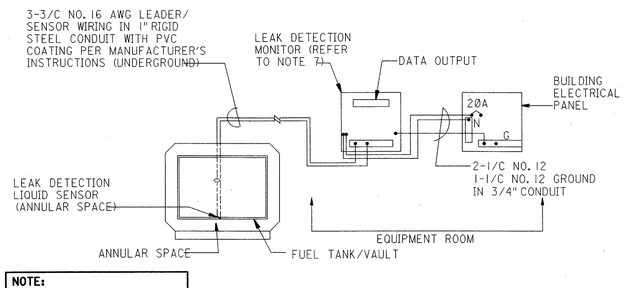


FUEL STORAGE TANK ELEVATION

NOT TO SCALE

NOTES:

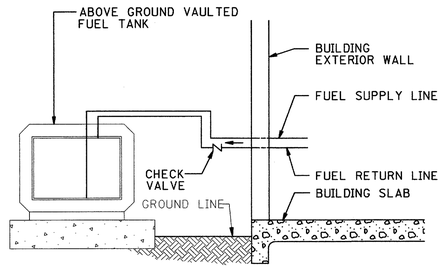
1. ABOVE GROUND VAULTED FUEL TANK SHALL INCLUDE THE FOLLOWING FEATURES (AS A MINIMUM): 3/16" STEEL PLATE PRIMARY TANK WITH 30 YEAR WARRANTY AND UL-142 LISTED, SECONDARY CONTAINMENT OF 30 MIL POLYETHYLENE GEOMEMBRANE LINER WITH A LAYER OF POLYETHYLENE INSULATION, ENCASED IN A 6" THICK, PRECAST, 3000 PSI MONOLITHIC CONCRETE VAULT WITH 6" X 6" X 10" WIRE MESH, MAXIMUM HEIGHT NOT TO EXCEED 6'-0". TANK SHALL HAVE AN OVERFILL ALARM AT 90%, AUTOMATIC FLOW SHUT OFF AT 95% AND A 7 GALLON OVERFILL PROTECTION. EXTERIOR OF VAULT SHALL BE PAINTED WITH A 2-PART, WATER BASE, TANK SHALL HAVE UL LISTING LABEL DISPLAYED ON EXTERIOR SURFACE VAULT SHALL BE PRECAST CONCRETE WITH SUPPORT LEGS. SUGGESTED SOURCE: CONVAULT OR EQUAL.
2. PIPE LINE AND ELECTRICAL LAYOUT AT A/G TANK DETERMINED BY CLIENT.
3. ALL PIPE SHALL BE BLACK IRON, SCH 40. FITTING SHALL BE MALLEABLE IRON AND APPROVED FOR USE WITH FUEL OILS. ALL MATERIALS FURNISHED SHALL BE APPROVED FOR USE WITH FUEL OIL STORAGE BY THE STATE FIRE MARSHAL.
4. CONTRACTOR SHALL REGISTER THE TANK SYSTEM WITH THE APPLICABLE STATE ENVIRONMENTAL AGENCY, THE LOCAL FIRE MARSHAL, AND THE TANK MANUFACTURER.
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY TANK FITTINGS, VENTS SIGNS, ETC. CONTRACTOR SHALL PROVIDE A FUEL LEVEL GAUGE STICK CALIBRATED IN GALLONS EVERY 1/8 INCH OF FURNISHED TANK DEPTH UPON THE SATISFACTORY COMPLETION OF ALL AIR AND SOAP TESTS AND AT THE APPROVAL OF THE R.E., THE CONTRACTOR SHALL FILL THE TANK WITH NO. 2 DIESEL FUEL. NOTE: DUE TO DIESEL'S THERMIC EXPANSION, TANK SHALL BE FILLED TO A MINIMUM CAPACITY OF 95% PER TNRCC.
6. PIPES SHALL BE TESTED WITH AN INTERNAL PRESSURE OF 5 PSI PRIOR TO FILLING THE TANK.
7. ENVIRONMENTAL MONITOR SHALL BE CAPABLE OF LIQUID LEAK DETECTION AND TANK FUEL LEVEL SENSING WITH REMOTE DATA TRANSMISSION CAPABILITY AND PRINTED OUTPUT. THE MONITOR SHALL HAVE (1) LIQUID LEAK DETECTION SENSORS, BUT SHALL BE CAPABLE OF HANDLING 4 MINIMUM LIQUID LEAK DETECTION SENSORS. AND SHALL BE ABLE TO DIFFERENTIATE BETWEEN WATER AND HYDROCARBONS AS MANUFACTURED BY ARIZONA INSTRUMENT "TLM 830", 830", PNEUMERCATOR "LDE 700 P", VEEDOR-ROOT "TLS-350" OR EQUAL. INSTALL LEAK DETECTION MONITOR IN SPACE WHICH IS CLOSE TO A TELEPHONE AND IS PREFERABLY AIR CONDITIONED. ALL SENSOR CIRCUITRY AT AST SHALL BE INSTALLED IN LIQUIDTIGHT CONDUIT SYSTEM.
8. BOND AND GROUND FUEL TANK AND CONDUIT LINES TO A 3/4"-10' GROUND ROD AND/OR SITE COUNTERPOISE SYSTEM.
9. EXACT PLACEMENT OF CONNECTIONS MAY VARY SLIGHTLY FROM THIS DRAWING.
10. CONTRACTOR SHALL INSTALL FIRE-SAFE 3/4" BALL VALVES, McMASTER-CARR NO. 4784R64 OR EQUAL ON BOTH FUEL LINES NEAR ENGINE-GENERATOR.
11. FABRICATE AND INSTALL UNISTRUT SUPPORTS FOR EXPOSED 1" RSC. DO NOT ATTACH UNISTRUT SUPPORTS TO FUEL TANK.
12. ALL ABOVEGROUND EXTERIOR FUEL LINE PIPING SHALL BE PAINTED WITH ANTI-CORROSIVE PAINT.
13. GUARDS POST SHALL BE PLACED 2' FROM PAD AND 4' O.C. EACH POST SHALL BE IDENTIFIED WITH REFLECTIVE COATINGS. SEE R.E. FOR APPROVED COLORS.
14. INSTALL LOCKABLE VALVES TO PREVENT TAMPERING. THE INSTALLATION CONTRACTOR SHALL PROVIDE LOCKABLE CAPS ON ALL SPARE INLET NIPPLES.
15. THE HEIGHT OF TANK VENT SHALL BE A MINIMUM OF 12'-0" AND/OR 2'-0" ABOVE ADJACENT ROOF LINE WHEN TANK IS 5'-0" FROM BUILDING LINE. IF TANK EXCEEDS 5'-0" DISTANCE TO THE BUILDING LINE, THEN THE TANK VENT HEIGHT FROM TOP OF TANK SHALL BE 8'-0".
16. THE CONTRACTOR SHALL ASSEMBLE AND INSTALL MILTON STAIRS FOR CONVAULT TANKS. COORDINATE WITH RE/COTR. FOR EXACT LOCATION. ALL SYSTEMS SHALL BE INSTALLED WITH CAREFUL CONSIDERATION OF REFUELING PROCEDURES.



NOTE:
INSURE THAT PROBE OPENING IS SEALED WEATHERTIGHT

LEAK DETECTION WIRING DIAGRAM

NOT TO SCALE

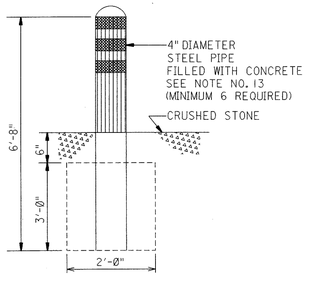


ABOVE GROUND PIPING INSTALLATION

NOT TO SCALE

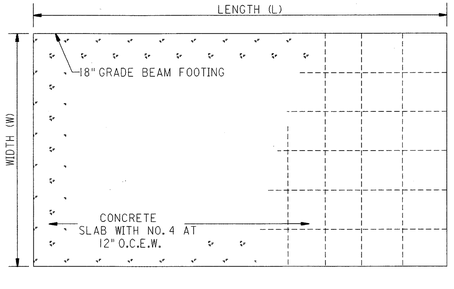
1000 AND 2000 GALLON TANKS WITH MILTON STAIRS

NOT TO SCALE
(MILTON STAIRS COME UNASSEMBLED)



GUARD POST DETAIL

NOT TO SCALE



SLAB DETAIL

NOT TO SCALE

NOMINAL TANK CAPACITY	APPROXIMATE SHIPPING WEIGHT	CONCRETE PAD x LENGTH (L) (MIN.)	CONCRETE PAD x WIDTH (W) (MIN.)	FOOTING WIDTH (X)	FOOTING INSET (Y)	CONCRETE 28 DAY COMPRESSIVE STRENGTH (psi)
500 GAL.	12,500	12'-0"	6'-0"	1'-0"	1'-3"	4500
1000 GAL.	20,000	12'-0"	7'-0"	1'-0"	2'-3"	4500
2000 GAL.	30,000	12'-0"	9'-0"	1'-0"	2'-6"	4500
4000 GAL.	48,000	14'-0"	10'-0"	1'-0"	3'-6"	5000

TABLE-1 "FOUNDATION DATA"

REV.	DATE	DESCRIPTION	DFTG.	CHECKED
5	09-09-96	ADD MILTON STAIR STANDARD, UPDATE TABLE DATA, AND NOTE REVISIONS.	KS	J.A.D.
4	08-22-96	REMOVE BALL VALVE FROM RETURN LINES	RWD	J.N.
3	03-22-96	UPDATED REVISION.	LTM	A.S.
6	06-01-95	REVISE NOTE 1 AND NOTE 16.	MJK	J.P.
2	03-29-95	GENERAL REVISIONS	RKM	J.M.P.
4.	11-17-94	UPDATE OF ABOVE GROUND TO UNDERGROUND TRANSITION.	RKM	A.S.
3.	3-9-94	REMOVED DAY TANK NOTES	MJF	JP
2.	4-2-94	ADDED DAY TANK NOTES	PJC	EF
1.	8-21-94	FUEL LINE SECONDARY CONTAINMENT	JRW	EF

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

ABOVE GROUND FUEL TANK VAULT

SUBMITTED: ORIGINAL SIGNED BY: ERBEY FERNANDEZ	APPROVED: ORIGINAL SIGNED BY: JOHNNIE L. WHITE
PROGRAM IMPLEMENTATION ENGINEER	SUPERVISOR OF SECTION, ASW-457
DESIGNED: FERNANDEZ	DATE: 8-21-92
REVIEWED:	DRAWING NUMBER: SWSD-UST-M07-09
ORIG. DFT.: CMC/KS 09-24-96	ISSUED BY AIRWAY FACILITIES DIVISION
FACILITY: UST	

REF. DWG.:

asw_19:::(users/r-z)swsd-ust-m07-08.dg plotted: 08/29/96

CAEG FILENAME: swsd-ust-m07-09
PLOT SCALE: 1=1

DOMESTIC WATER HEATER SCHEDULE

MARK	LOCATION	SERVES	STORAGE CAPACITY GAL	RECOVERY		ELEMENT DATA				GAS INPUT BTUH	MANUFACTURER AND MODEL	REMARKS
				TEMP RISE	FLOW GPH	KW	VOLTS	PH	HZ			
WH-1	ATCT CABLE ACCESS	ATCT	15	80 F	8	1.5	208	1	60	-	AO SMITH DEL-15	ELECTRIC, NON-SIMULTANEOUS SINGLE ELEMENT
WH-2	BASE - E/G BLDG	BASE - E/G BLDG	50	80 F	90	-	-	-	-	50,000	AO SMITH BT-65	NATURAL GAS (50 CFH CAPACITY)

CENTRAL VACUUM CLEANER SCHEDULE

MARK	LOCATION	SERVES	RECOVERY			MOTOR DATA					MAX CAPACITY GAL	MANUFACTURER AND MODEL	REMARKS
			STAGES	SCFM	VACUUM IN WG	HP	RPM	VOLTS	PH	HZ			
CV-1	ATCT CABLE ACCESS	CAB LEVEL	1	80	55	3	3500	460	3	60	9	SPENCER S-138 BD	
CV-2	BASE - E/G BLDG	ELECTRONIC EQUIP RM	2	175	55	5	3500	460	3	60	9	SPENCER SA-405A	

PUMP SCHEDULE

MARK	LOCATION	SERVES	TYPE	GPM	TOTAL HEAD FT	MOTOR DATA					MIN EFF	MANUFACTURER AND MODEL	REMARKS
						HP	RPM	VOLTS	PH	HZ			
BP-1	ATCT CABLE ACCESS	DEFOGGER	BOOSTER	8	36	1/2	3500	460	3	60	--	NAMCO MINI-CON	
SP-1	ATCT ELEV PIT	ELEVATOR	SUBMERSIBLE	35	14	1/2	-	115	1	60	--	WEIL SERIES 2400	ESSENTIAL POWER

ELECTRIC WATER COOLER SCHEDULE

MARK	LOCATION	GPH CAPACITY	FULL LOAD AMPS	VOLTAGE	COMP HP	WASTE	VENT	CW	MANUFACTURER AND MODEL	REMARKS
EWC-1	ATCT CAB LEVEL	2.5	2.4	115	1/5	2	1 1/2	1/2		REMOTE COOLER FOR SK-1
EWC-2	ATCT JUNCTION LEVEL	2.5	2.4	115	1/5	2	1 1/2	1/2	FILTRINE ALC	
EWC-3	BASE BUILDING RM 122	2.5	2.4	115	1/5	2	1 1/2	1/2	HAWS HWBF5	
EWC-4	E/G AREA	2.5	2.4	115	1/5	2	1 1/2	1/2	HAWS HWBF5	HANDICAPPED

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001.
2. INSTALL ACCESS DOORS IN PLUMBING CHASES TO PROVIDE ACCESS TO ALL VALVES AND ACCESSORIES WHICH REQUIRE MAINTENANCE.

ROOF DRAIN SCHEDULE

MARK	TYPE	FINISH		MANUFACTURER AND MODEL	REMARKS
		BODY	DOME		
RD-1	GENERAL PURPOSE	CI	CI	JOSAM 21500 SERIES	
OD-1	OVERFLOW DRAIN	CI	CI	JOSAM 26010 SERIES	

PLUMBING FIXTURE AND SPECIALTY CONNECTION SCHEDULE

MARK	DESCRIPTION	WASTE	VENT	COLD WATER	HOT WATER	REMARKS
WC-1	WATER CLOSET	4	2	1/2	--	FLOOR MOUNTED - TANK TYPE
WC-2	WATER CLOSET	4	2	1/2	--	FLOOR MOUNTED - TANK TYPE - HANDICAPPED
LAV-1	LAVATORY	2	1 1/2	1/2	1/2	COUNTER MOUNTED
LAV-2	LAVATORY	2	1 1/2	1/2	1/2	COUNTER MOUNTED - HANDICAPPED
SK-1	SINK	2	1 1/2	1/2	1/2	SINGLE COMPARTMENT W/BUBBLER
SK-2	SINK	2	1 1/2	1/2	1/2	SINGLE COMPARTMENT
HB-1	HOSE BIBB	--	--	3/4	--	FREEZE PROOF
MS-1	MOP SINK	3	2	--	--	FLOOR TYPE
SHR-1	SHOWER	2	1 1/2	1/2	1/2	PRESSURE BALANCED MIXING VALVE - HANDICAPPED
UR-1	URINAL	2	1 1/2	1 1/4	--	WALL MOUNTED - FLUSH VALVE - HANDICAPPED
FD-1	FLOOR DRAIN	2	1 1/2	--	--	WITH TRAP PRIMER ASSEMBLY
FS-1	FLOOR SINK	3	2	--	--	WITH TRAP PRIMER ASSEMBLY

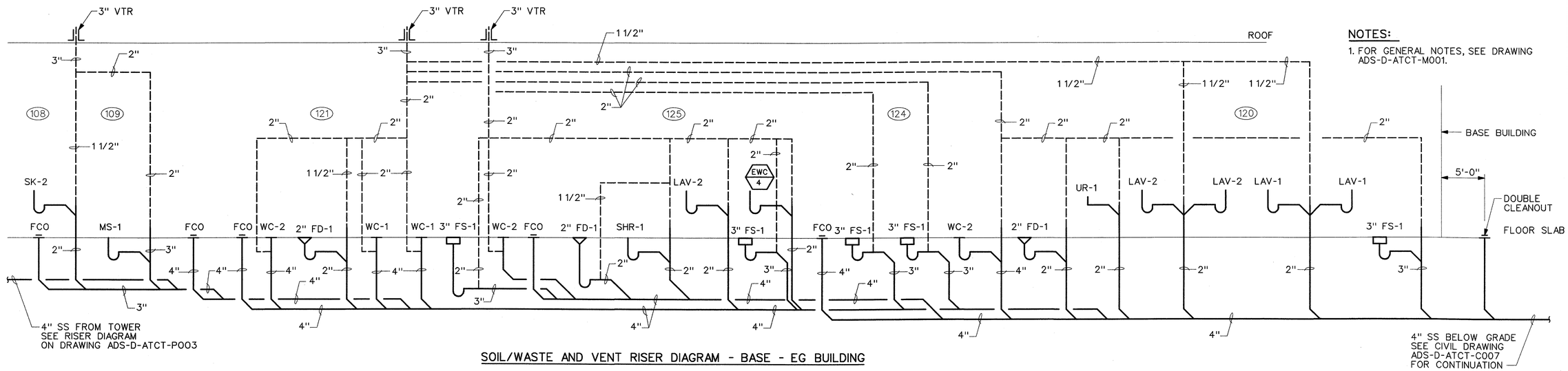
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN FOR HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
PLUMBING SCHEDULES

ADDISON — ADDISON AIRPORT — TX

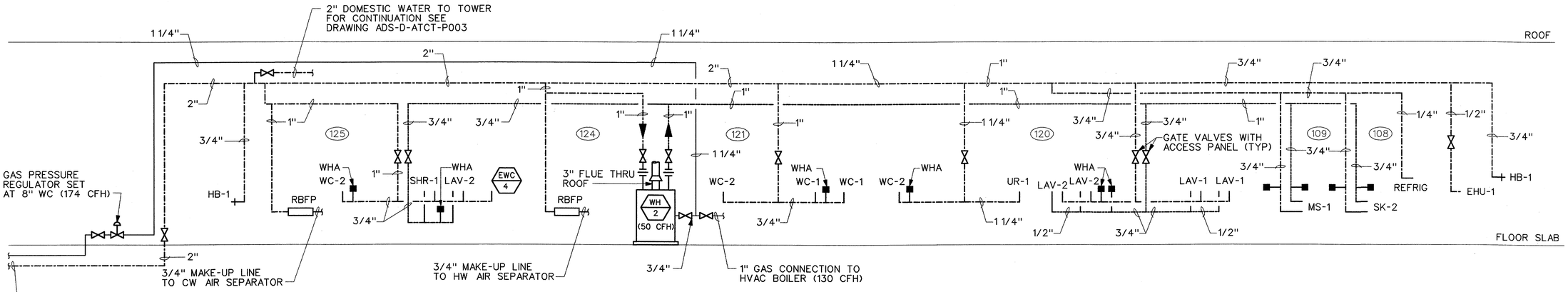
REVIEWED BY	SUBMITTED BY: PROJECT ENGINEER, ANI-630 — 7/21/03	APPROVED BY: PLATFORM MANAGER, ANI-630 — 7/18/03	
DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: JM/LB		DRAWING NO: ADS-D-ATCT-P001	REV: A
CHECKED			



SOIL/WASTE AND VENT RISER DIAGRAM - BASE - EG BUILDING

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING ADS-D-ATCT-M001.



DOMESTIC WATER AND NATURAL GAS RISER DIAGRAM - BASE - EG BUILDING

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

PLUMBING RISER DIAGRAMS

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: M. DoErr 7/21/03 — PROJECT ENGINEER, ANI-630	APPROVED BY: Johnnie R. White 7/18/03 — PLATFORM MANAGER, ANI-630	
DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: SLH/LTM		DRAWING NO: ADS-D-ATCT-P002	REV: A
CHECKED			

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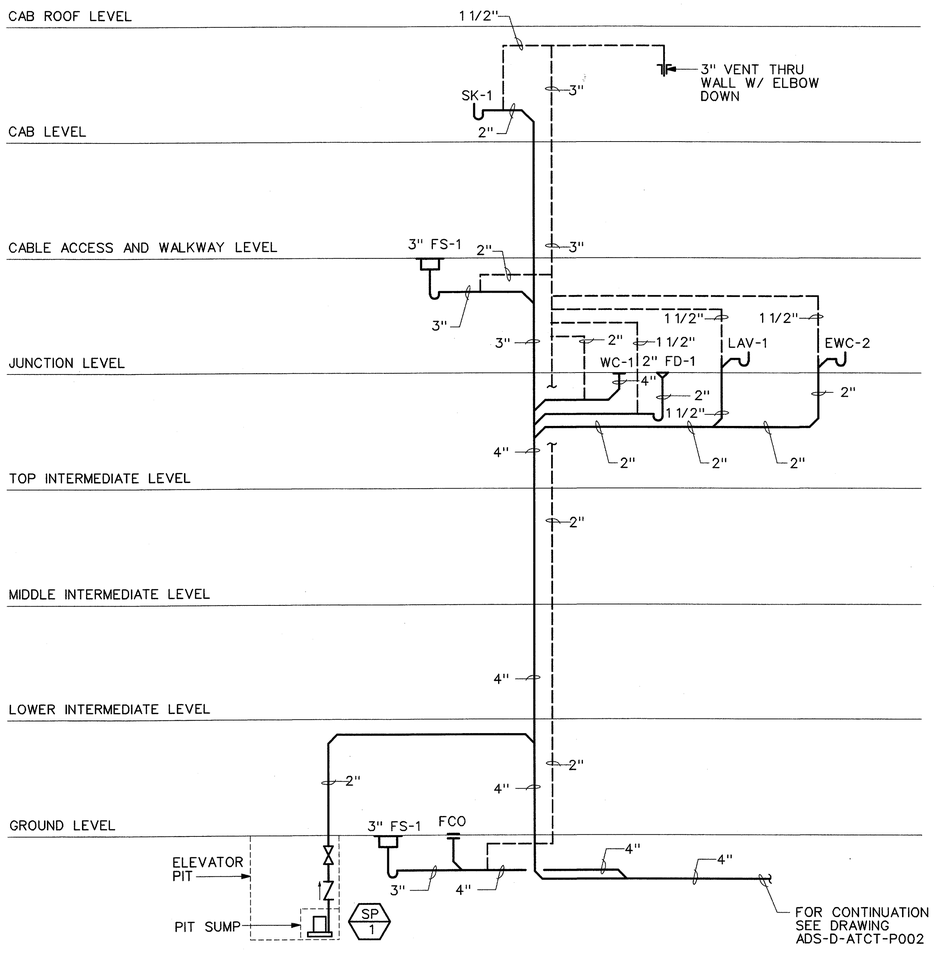
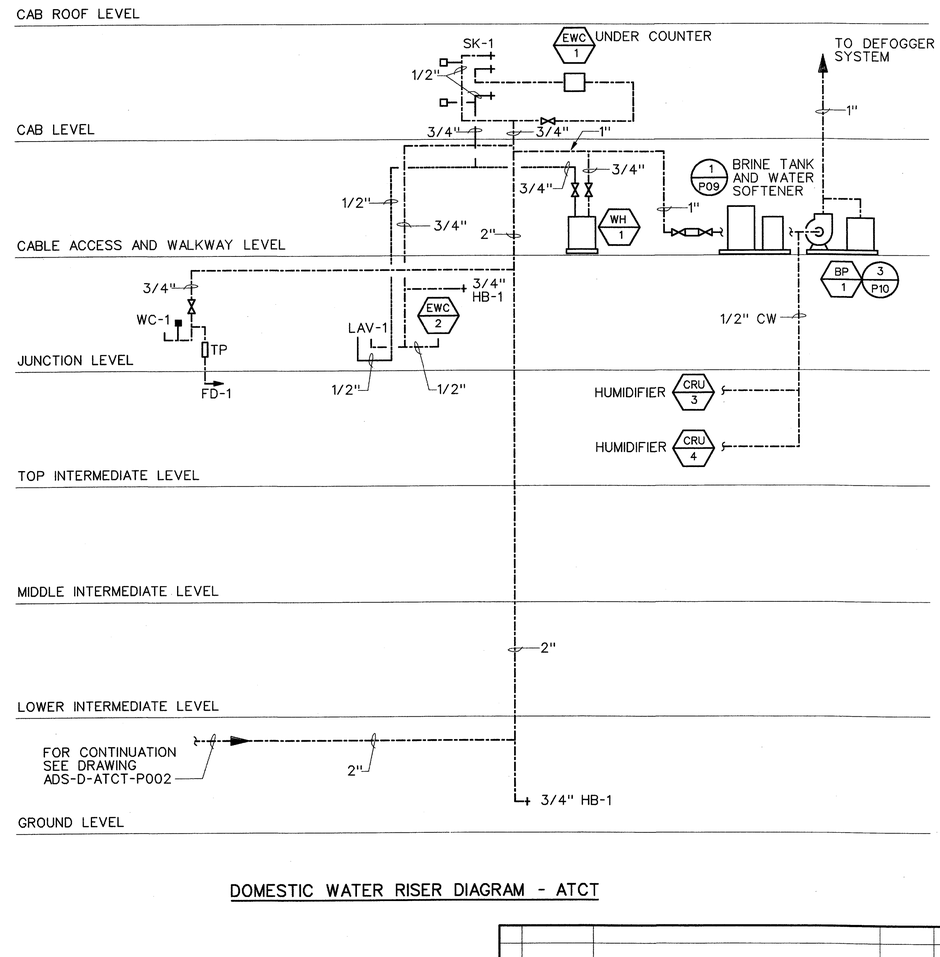
NOTES:

1. FOR GENERAL NOTES, SEE DRAWING ADS-D-ATCT-M001.



SOIL/WASTE AND VENT RISER DIAGRAM - ATCT



DOMESTIC WATER RISER DIAGRAM - ATCT

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN FOR HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

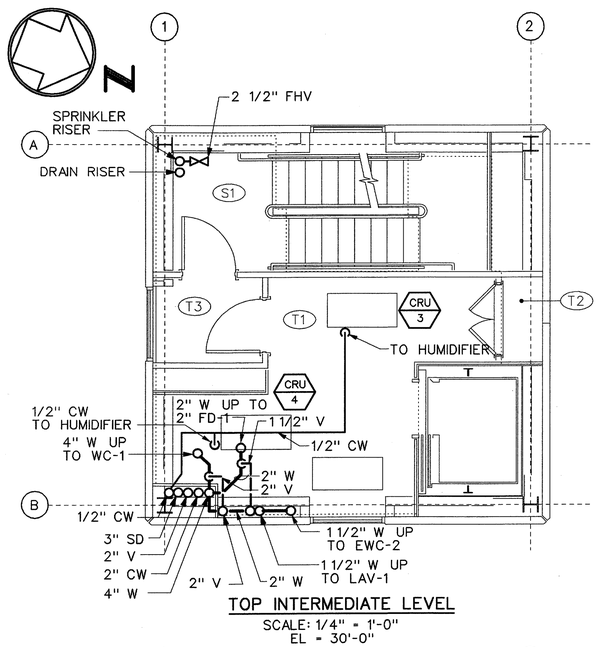
LOW ACTIVITY LEVEL ATCT

PLUMBING RISER DIAGRAMS

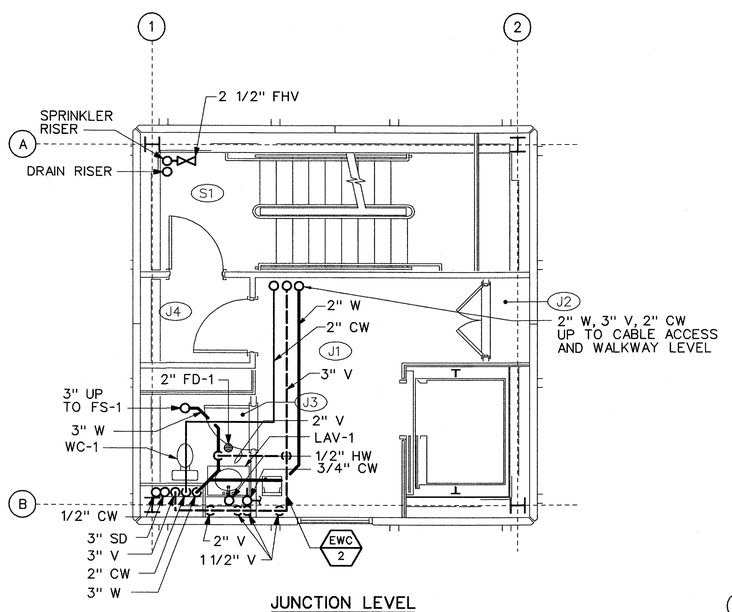
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY	APPROVED BY
	M. DOERR 7/21/03 PROJECT ENGINEER, ANI-630	7/18/03 PLATFORM MANAGER, ANI-630

DESIGNED	ISSUED BY	DATE	JCN
M. DOERR	NAS IMPLEMENTATION ANI-600	06-23-03	9700164
DRAWN SLH		DRAWING NO	REV
CHECKED		ADS-D-ATCT-P003	A



TOP INTERMEDIATE LEVEL
SCALE: 1/4" = 1'-0"
EL = 30'-0"

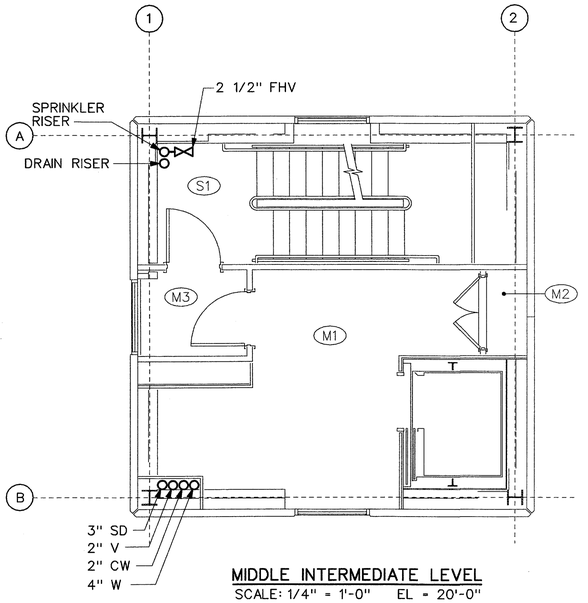


JUNCTION LEVEL
SCALE: 1/4" = 1'-0"
EL = 40'-0"

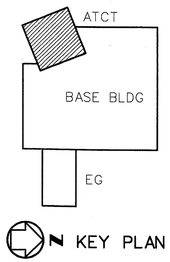
ROOM SCHEDULE	
RM NO.	ROOM NAME
G1	LOBBY
G2	ELEVATOR MACHINE ROOM
G3	STAIR PRESSURIZATION
L1	UNASSIGNED
L2	CABLE CHASE
L3	VESTIBULE
M1	ELECTRICAL EQUIPMENT
M2	CABLE CHASE
M3	VESTIBULE
T1	ELECTRONIC EQUIPMENT
T2	CABLE CHASE
T3	VESTIBULE
J1	CORRIDOR
J2	CABLE CHASE
J3	RESTROOM
J4	VESTIBULE
S1	STAIR

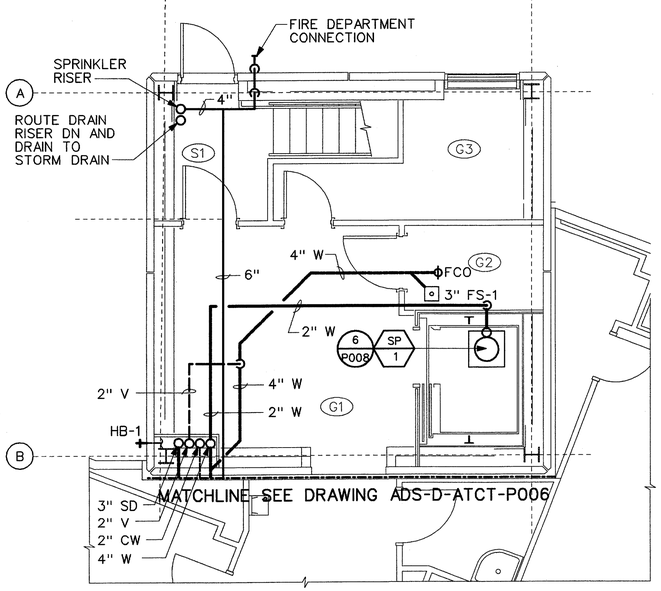
NOTES:

1. FOR GENERAL NOTES, SEE DRAWING ADS-D-ATCT-M001.
2. FOR RISER DIAGRAMS, SEE DRAWING ADS-D-ATCT-P003.
3. HEAT TRACE 2" VERTICAL COLD WATER PIPING IN TOWER.
4. PROVIDE ISOLATION VALVES AT EACH BRANCH TAKE-OFF, EACH GROUP OF PLUMBING FIXTURES, AND AT EACH PLUMBING FIXTURE.

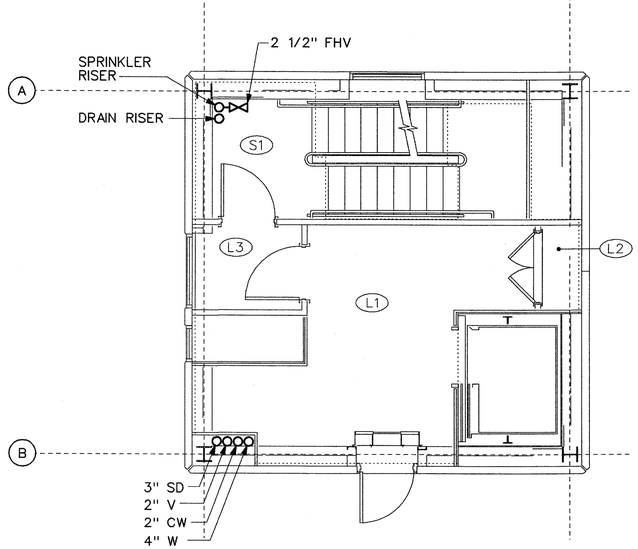


MIDDLE INTERMEDIATE LEVEL
SCALE: 1/4" = 1'-0" EL = 20'-0"





GROUND LEVEL
SCALE: 1/4" = 1'-0"
EL = 0'-0"



LOWER INTERMEDIATE LEVEL
SCALE: 1/4" = 1'-0" EL = 10'-0"

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN FOR HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

PLUMBING FLOOR PLANS ATCT

ADDISON ADDISON AIRPORT TX

REVIEWED BY

SUBMITTED BY: PROJECT ENGINEER, ANI-630 — 7/21/03

APPROVED BY: PLATFORM MANAGER, ANI-630 — 7/15/03

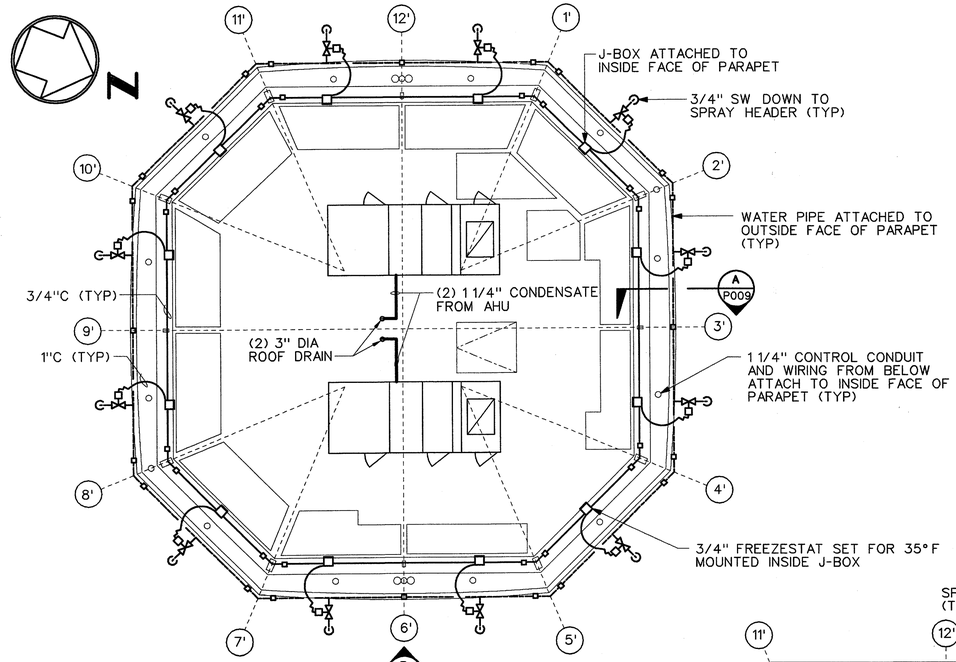
DESIGNED M. DOERR
DRAWN SLH/LTM
CHECKED

ISSUED BY: NAS IMPLEMENTATION ANI-600

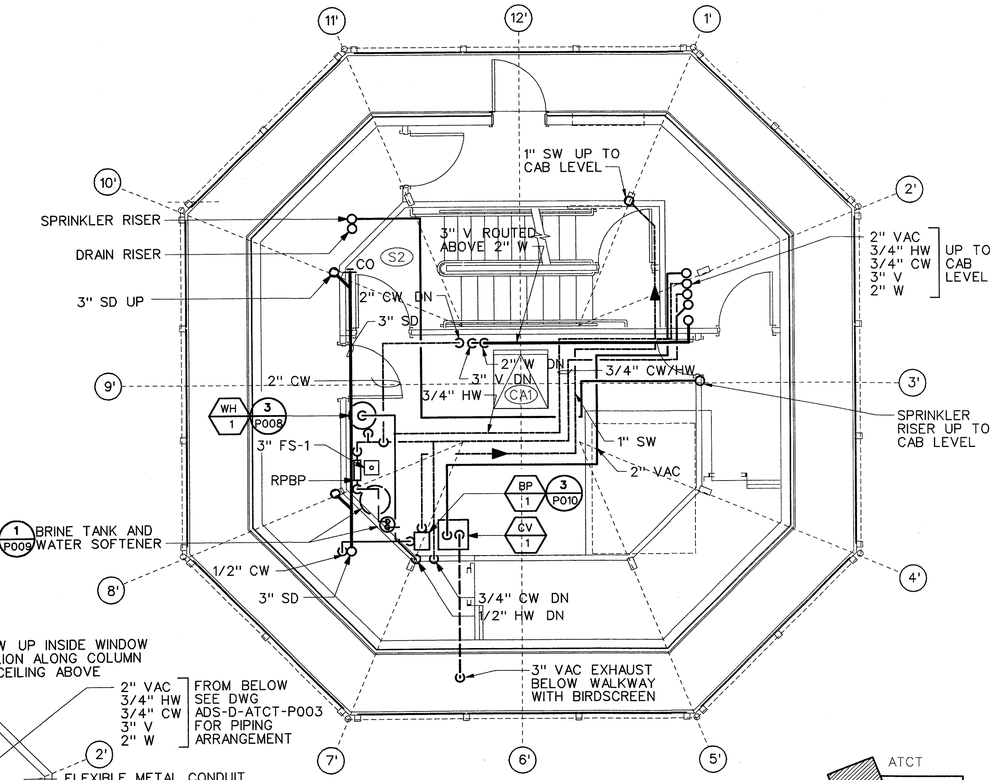
DATE 06-23-03 JCN 9700164

DRAWING NO ADS-D-ATCT-P004 REV A

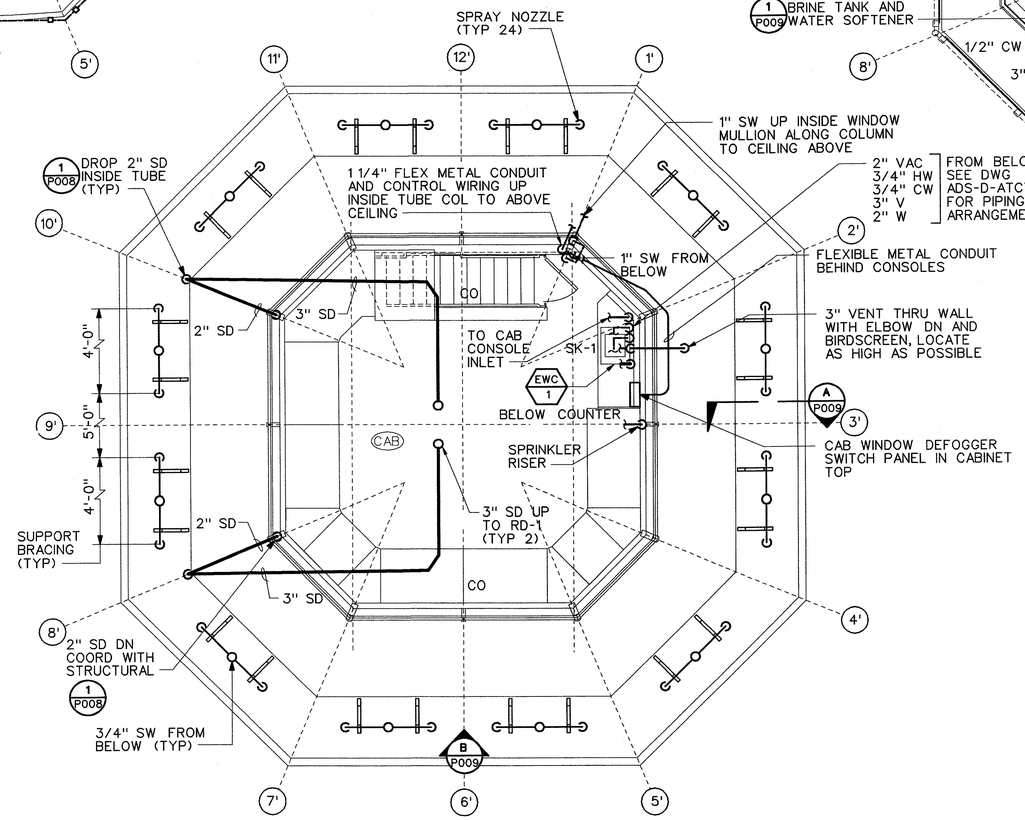
THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM



CAB ROOF LEVEL
SCALE: 1/4" = 1'-0"
TOS = 71'-8"



CABLE ACCESS AND WALKWAY LEVEL
SCALE: 1/4" = 1'-0" EL = 49'-10"



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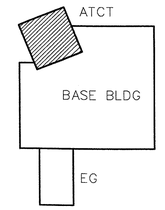

N KEY PLAN

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700016	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW LEVEL ACTIVITY ATCT
PLUMBING FLOOR PLANS ATCT

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY Mike Doerr 7/21/03	APPROVED BY Johnnie L. Oakley 7/18/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
	DESIGNED M.DOERR	ISSUED BY NAS IMPLEMENTATION ANI-600	DATE 06-23-03 JON 9700164
	DRAWN SLH		DRAWING NO ADS-D-ATCT-P005 REV A
	CHECKED		

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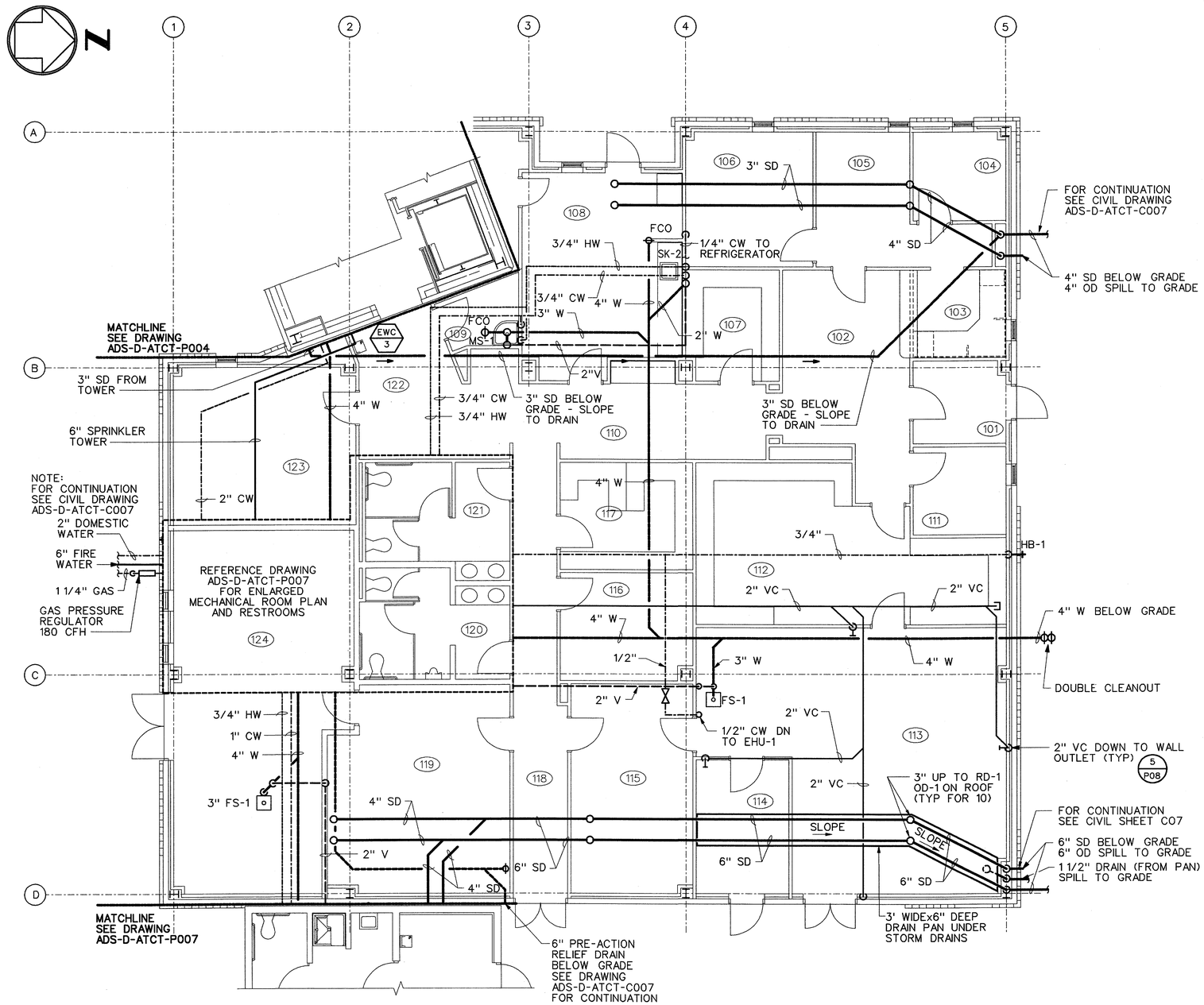
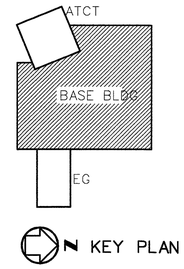


FLOOR PLAN BASE BUILDING
SCALE: 3/16" = 1'-0"

ROOM SCHEDULE	
RM NO.	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	JANITOR'S CLOSET
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING ADS-D-ATCT-M001.
2. REFER TO CIVIL DRAWING ADS-D-ATCT-C007 FOR CONTINUATION OF ALL UNDERGROUND UTILITY LINES.
3. WATER HAMMER ARRESTORS SHALL BE INSTALLED AT ALL FIXTURES.
4. ALL COLD WATER AND HOT WATER DROPS IN TOILET ROOMS SHALL BE PROVIDED WITH GATE VALVES AND ACCESS PANELS.
5. PROVIDE ISOLATION VALVES AT EACH BRANCH TAKE-OFF, EACH GROUP OF PLUMBING FIXTURES AND EACH PLUMBING FIXTURE.



4' 0 4' 8' 12'
SCALE: 3/16" = 1'-0"

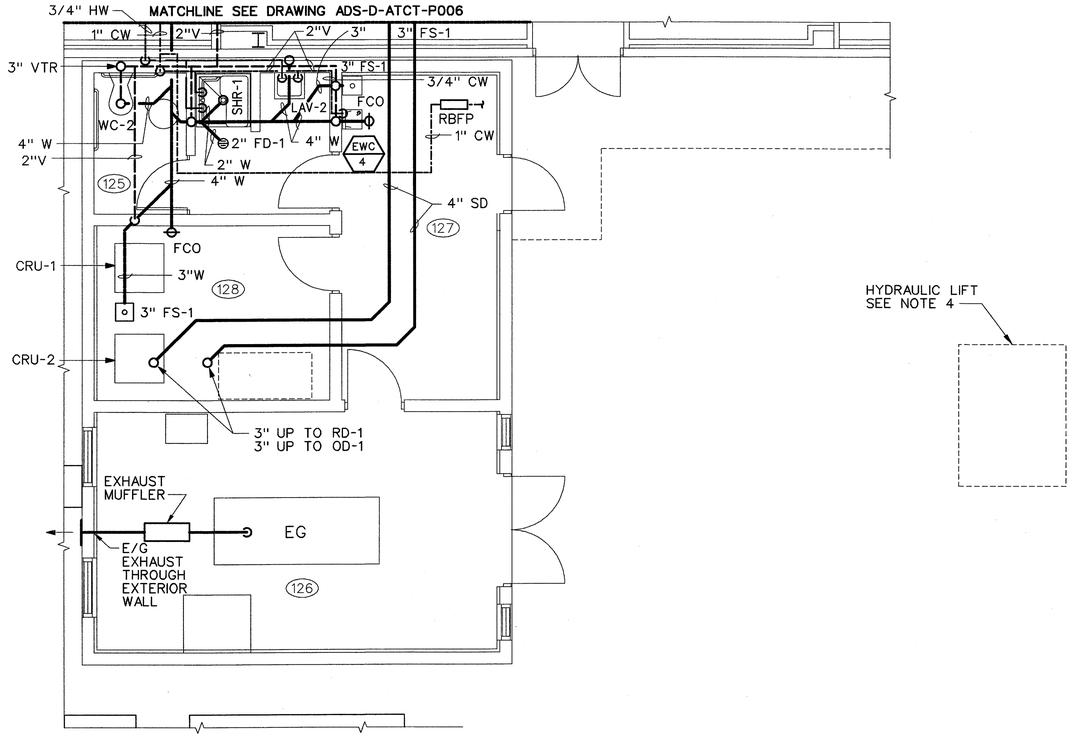
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN ON HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
PLUMBING FLOOR PLAN BASE-EG BUILDING

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY
SUBMITTED BY: Jule Doerr 7/21/03 — PROJECT ENGINEER, ANI-630
APPROVED BY: Johnnie L. White 7/18/03 — PLATFORM MANAGER, ANI-630
DESIGNED: M. DOERR
DRAWN: SLH/KS
CHECKED
ISSUED BY: NAS IMPLEMENTATION ANI-600
DATE: 06-23-03 JCN: 9700164
DRAWING NO: ADS-D-ATCT-P006 REV: A



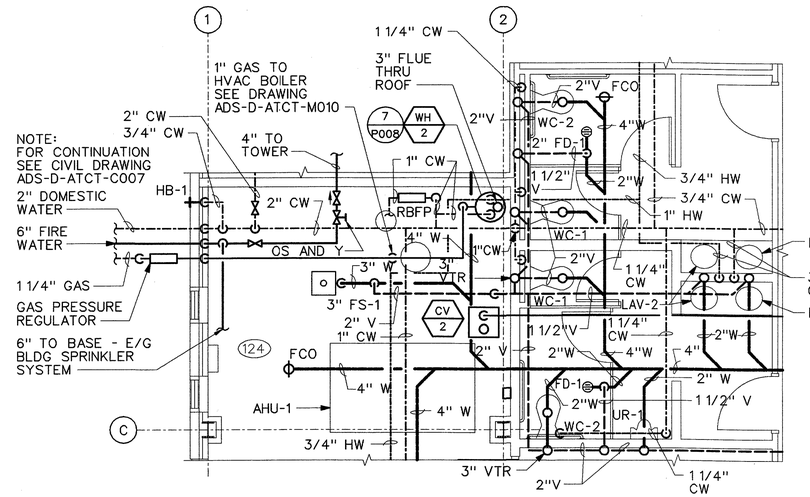
ENGINE GENERATOR BUILDING
SCALE: 1/4" = 1'-0"

HYDRAULIC LIFT
SEE NOTE 4

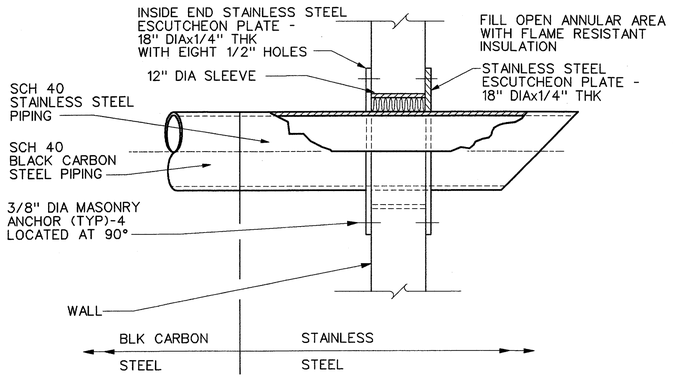
ROOM SCHEDULE	
RM NO.	ROOM NAME
120	MEN'S TOILET
121	WOMEN'S TOILET
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	EG ROOM
127	WORKROOM
128	UPS

NOTES:

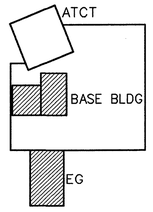
1. FOR GENERAL NOTES, SEE DRAWING ADS-D-ATCT-M001.
2. FOR RISER DIAGRAMS, SEE DRAWING ADS-D-ATCT-P002.
3. PROVIDE ISOLATION VALVES AT EACH BRANCH TAKE-OFF, EACH GROUP OF PLUMBING FIXTURES, AND AT EACH PLUMBING FIXTURE.
4. PROVIDE OIL INTERCEPTOR IN 6" DRAIN LINE SERVING HYDRAULIC LIFT. SEE DRAWING ADS-D-ATCT-C007 FOR DRAIN LOCATION AND PIPING CONNECTION.



ENLARGED MECHANICAL ROOM AND RESTROOMS - BASE BUILDING
SCALE: 1/4" = 1'-0"



1 P007 EXHAUST PIPE WALL PENETRATION
NOT TO SCALE



KEY PLAN

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

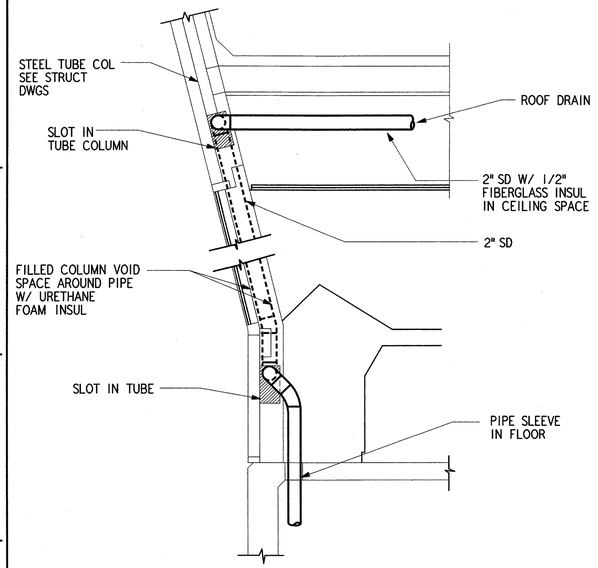
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

PLUMBING
ENLARGED PLANS
BASE-EG BUILDING

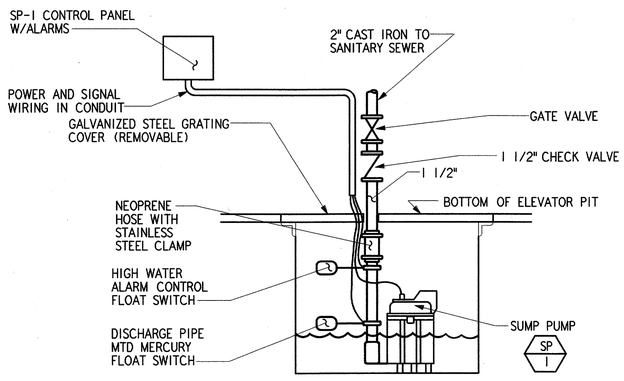
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: Mike Doerr 7/21/03	APPROVED BY: Johnnie L. White 7/16/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
	DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03 JCN: 9700164
	DRAWN: SLH/LTM		DRAWING NO: ADS-D-ATCT-P007 REV: A
	CHECKED		



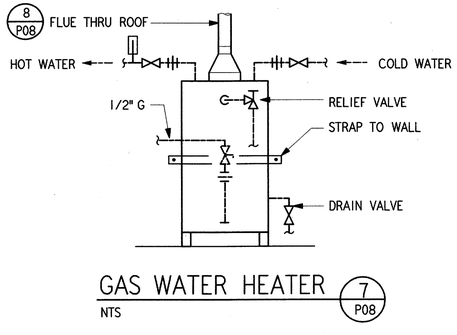
STORM DRAIN PIPING DETAIL

NTS — 1 / P08 — REF P05



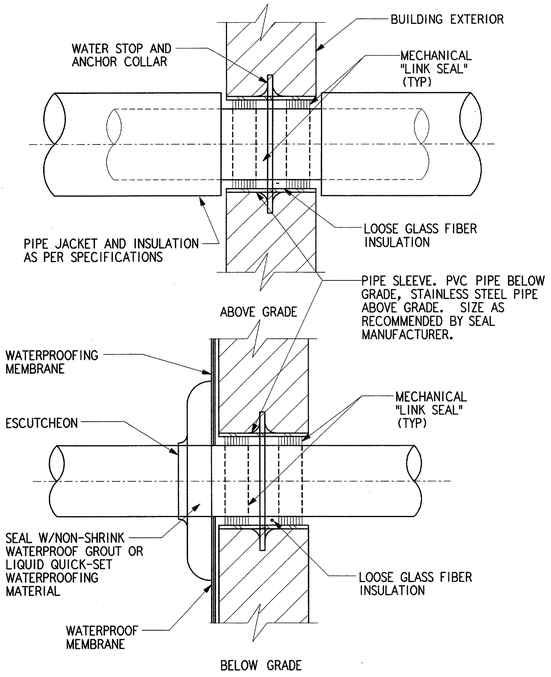
SUMP PUMP DETAIL

NTS — 6 / P08 — REF P04



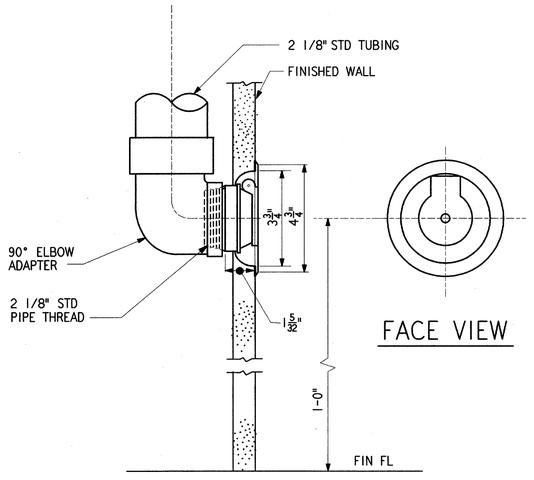
GAS WATER HEATER

NTS — 7 / P08



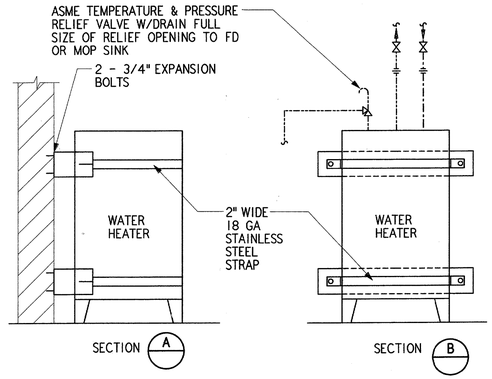
PIPE SLEEVE DETAIL (THRU EXTERIOR WALL)

NTS — 2 / P08



VACUUM CLEANING WALL INLET FLUSH TYPE

NTS — 5 / P08 — REF P06

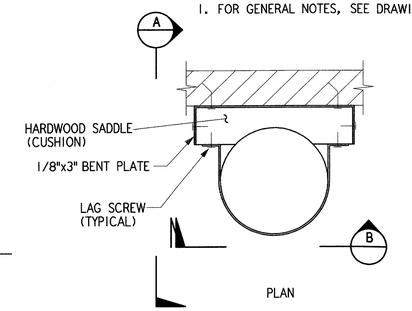


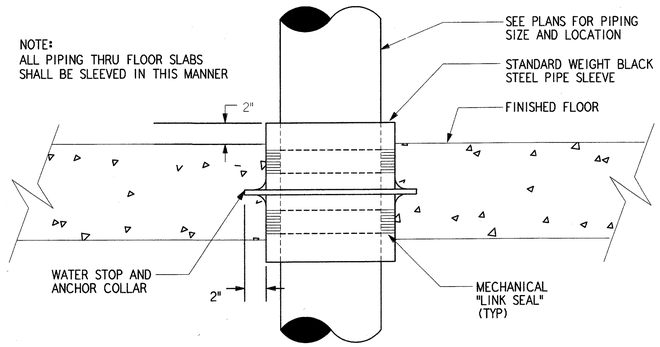
WATER HEATER DETAIL

NTS — 3 / P08 — REF P05

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M01.



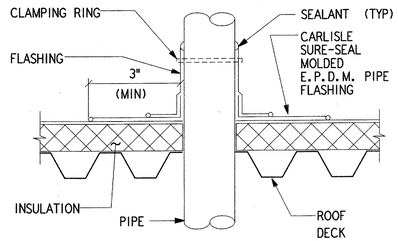


PIPE SLEEVE DETAIL

NTS — 4 / P08

NOTES:

1. "LINK SEAL" IS A MODULAR MECHANICAL TYPE SEAL CONSISTING OF INTERLOCKING SYNTHETIC RUBBER LINKS, STAINLESS STEEL BOLTS AND PRESSURE PLATES.
2. PROVIDE HIGH IMPACT THERMOPLASTIC, OR STEEL SLEEVES RECOMMENDED BY THE SEAL MANUFACTURER.
3. PROVIDE FM APPROVED SEAL ASSEMBLIES THE SAME AS THE WALL RATING AND ASME-119-76 TESTED.



VENT PIPE THRU ROOF DETAIL

NTS — 8 / P08

P08

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — DAVID M. PFUNDT — 79558 — REGISTERED PROFESSIONAL ENGINEER — 6-22-01

PARSONS — DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

PLUMBING DETAILS

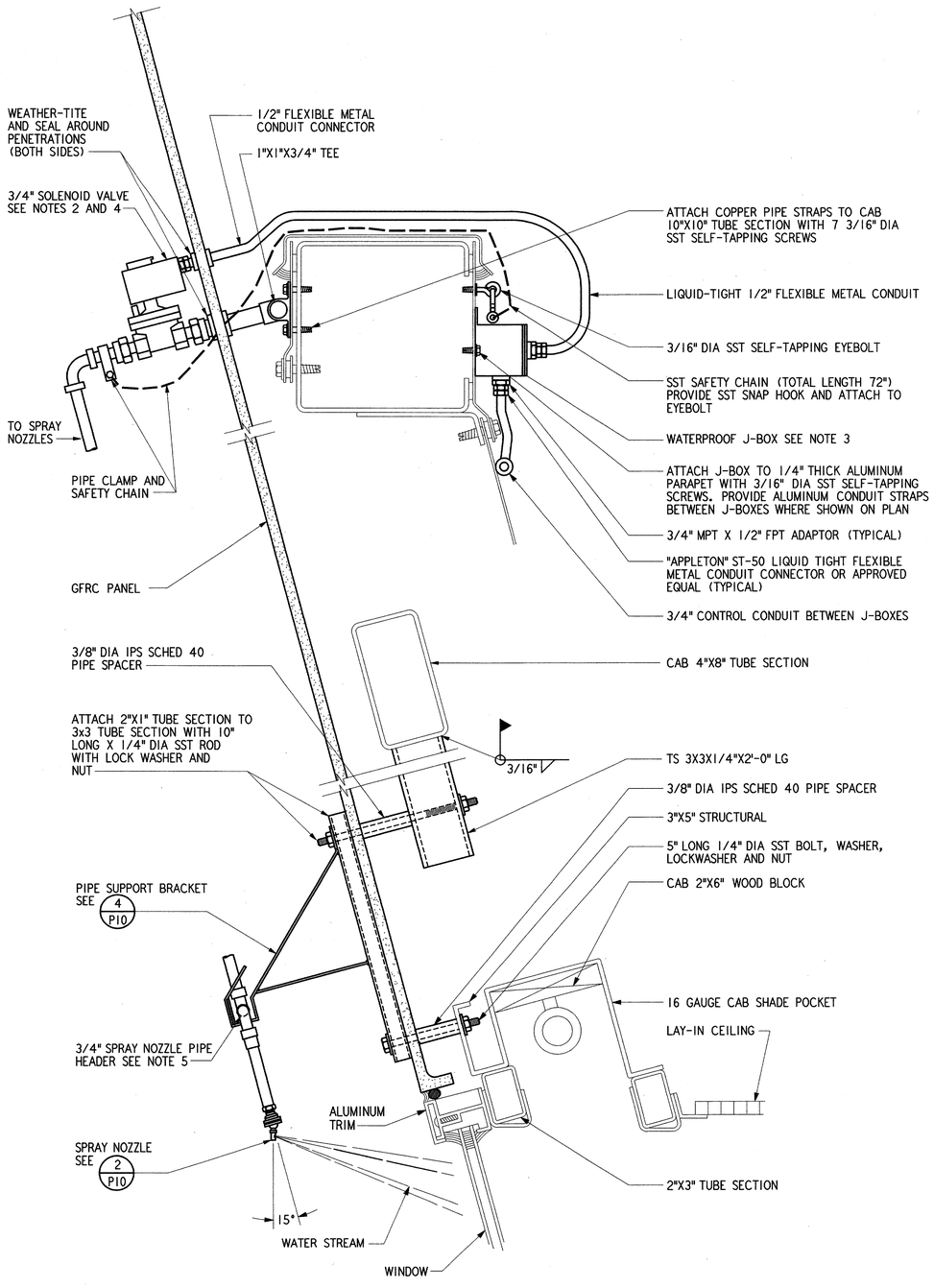
ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/15/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/15/01

DESIGNED: M. NAJERA	DATE: 06-22-01
REVIEWED: D. PFUNDT	ISSUED BY AIRWAY FACILITIES DIVISION
ORIG. DFT.: J. MILLER	DRAWING NUMBER: ADS-ATCT- P08
FACILITY:	

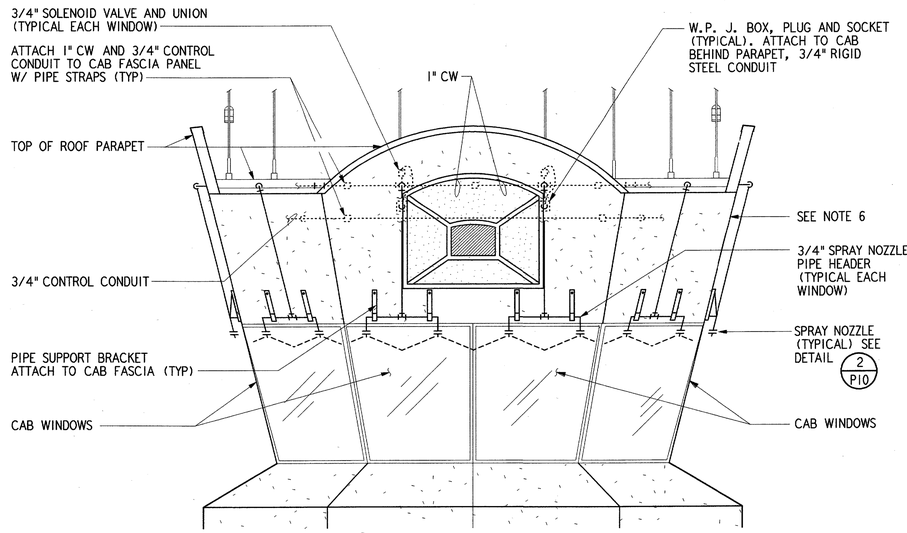
FILENAME: ads\p008.dft

REF. DWG.:



SECTION A P09 REF P05

3" = 1'-0"

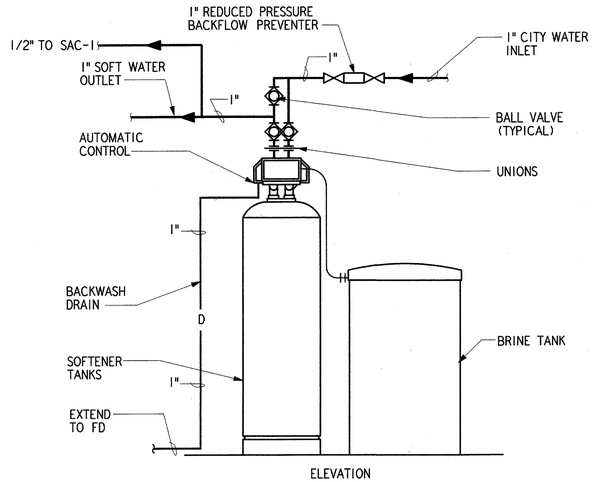


ELEVATION OF ONE SIDE OF ATCT CAB B P09 REF P05

1/4" = 1'-0"

NOTES:

1. ALL EXPOSED EXTERIOR PIPING AND PIPE SUPPORTS SHALL BE CLEANED, PRIMED, AND PAINTED WITH EXTERIOR ENAMEL PAINT IN COLOR TO MATCH CAB FASCIA.
2. SOLENOID VALVE SHALL BE A 3/4" NORMALLY OPEN VALVE, "ASCO" NO. 8210G35-6 FULL PORTED, 24 VOLT, 0 DIFFERENTIAL OPERATING PRESSURE, BUNA-N SEAT, OR APPROVED EQUAL. VALVE BODY SHALL BE BRASS WITH WATERPROOFED MOLDED SOLENOID COIL AND NEMA 4 WATERTIGHT COVER.
3. WEATHERPROOF JUNCTION BOX SHALL BE "APPLETON" MODEL FSCT-1-75-A CAST ALUMINUM BOX WITH 3/4" THREADED CONNECTIONS AND WATERTIGHT CAST ALUMINUM GASKETED COVER, OR APPROVED EQUAL.
4. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE "ULTRATITE" - TYPE EF, OR APPROVED EQUAL.
5. THE SPRAY NOZZLE PIPE HEADER SHALL REST FIRMLY IN THE SUPPORT BRACKET WITHOUT INDUCING ROTATIONAL STRESS IN THE DISTRIBUTION SYSTEM.
6. PROVIDE A SPRAY NOZZLE HEADER, SUPPORT BRACKETS, PIPING, SOLENOID VALVE, CONTROL J-BOX, ETC., FOR EACH WINDOW OF CAB.
7. WATER SOFTENER, JWS INCORPORATED, OR APPROVED EQUAL, CAPACITY OF 8.5 GPM CONTINUOUS OR 15 GPM PEAK AT PRESSURE DROPS OF 8 PSI AND 17 PSI RESPECTIVELY.



WATER SOFTENER DETAIL 1 P09 REF P03 P05

NTS

4' 2' 0 4' 8'

1/4" = 1'-0"

12" 9" 6" 3" 0

3"=1'-0"

P09

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS DAVID M. PFUNDT 79558 REGISTERED PROFESSIONAL ENGINEER 6.22.01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

PLUMBING DEFOGGER DETAILS ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 10/15/01

APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 10/15/01

DESIGNED: M. NAJERA
REVIEWED: D. PFUNDT
ORIG. DFT.: J. MILLER
FACILITY:

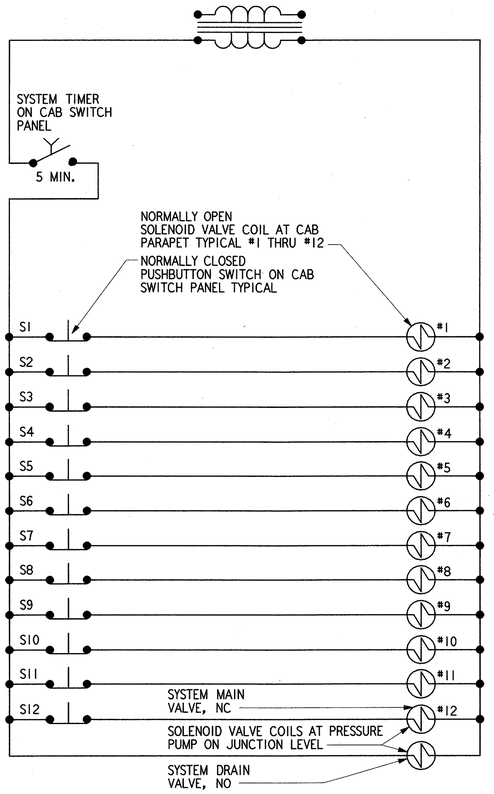
ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01

DRAWING NUMBER: ADS-ATCT- P09

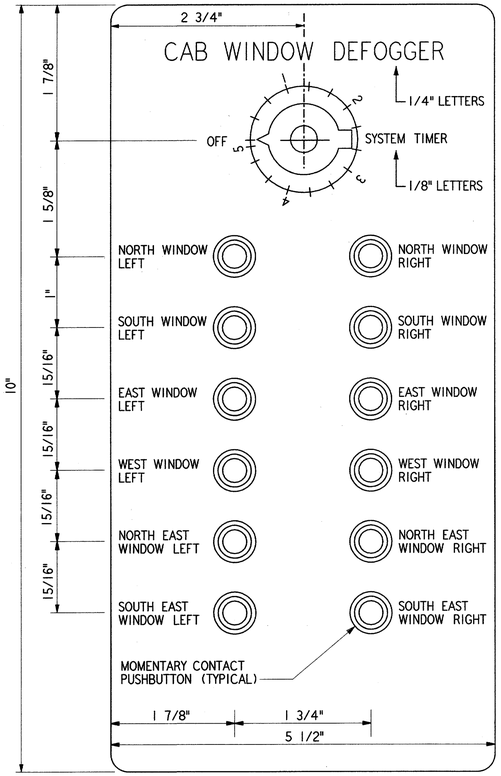
REF. DWG.:

FILENAME: ads\p009.dft



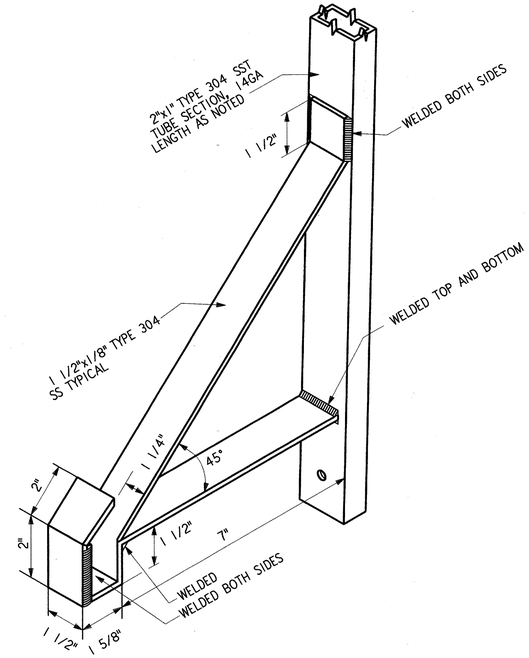
CONTROL DIAGRAM

NTS



CAB SWITCH PANEL

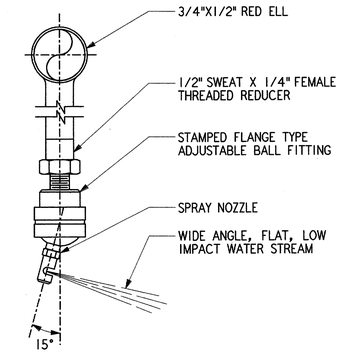
NTS



PIPE HEADER SUPPORT BRACKET DETAIL

NTS

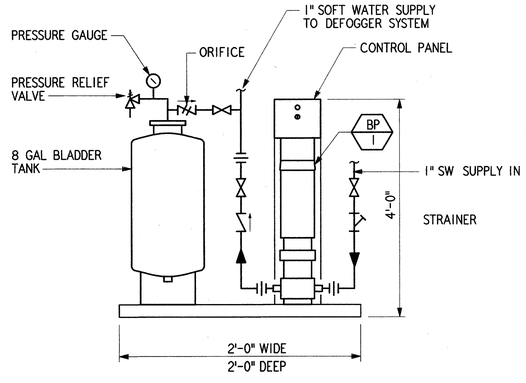
4 / P10 — REF P09



SPRAY NOZZLE DETAIL

NTS

2 / P10 — REF P09



DEFOGGER PUMP AND TANK DETAIL

NTS

3 / P10 — REF P03 P05

NOTES

DEFOGGER CONTROL DIAGRAM:

1. CONTROL WIRING TO SOLENOID VALVES SHALL BE 22 AWG, 2 CONDUCTOR, SHIELDED, POWER-LIMITED TRAY CABLE; "BELDEN" NO 9322, OR APPROVED EQUAL.
2. TIMER SHALL BE A SPRING RETURN TYPE WITH UP TO 5 MINUTE SELECTION AND WITHOUT "HOLD POSITION; "DAYTON" (GRAINGER) 6X545, OR APPROVED EQUAL.
3. WINDOW WASHDOWN SWITCHES SHALL BE MOMENTARY CONTACT PUSHBUTTON TYPE WITH NORMALLY CLOSED CONTACTS; "GRAINGER" 2X901, OR APPROVED EQUAL.
4. TRANSFORMER SHALL BE "BARBER COLMAN" MODEL AE-203, 120/24 VOLT, 170 VA CAPACITY, OR APPROVED EQUAL.
5. ALL VALVES SHALL BE NORMALLY OPEN UNLESS NOTED OTHERWISE.

CAB WINDOW DEFOGGER OPERATION:

1. TURN SYSTEM TIME KNOB CLOCKWISE TO SELECTED TIME INTERVAL (1 TO 5 MINUTES). THIS OPENS SYSTEM MAIN VALVE.
2. SELECT A WINDOW FOR WASHDOWN THEN PRESS AND HOLD ITS PUSHBUTTON SWITCH. WHEN WASHDOWN IS COMPLETED, RELEASE PUSHBUTTON SWITCH. FOR SUCCESSFUL OPERATION, ONLY ONE WINDOW AT AT TIME SHOULD BE WASHED.

CAB SWITCH PANEL:

1. SWITCH PANEL LOCATION IN TOWER CAB CONSOLE SHALL BE AS DIRECTED BY THE TOWER CHIEF.
2. PANEL FACE SHALL BE GENERAL GRADE LAMINATED PLASTIC WITH WALNUT WOODGRAIN FINISH AND ENGRAVED WHITE LETTERING. FACE PLATE SHALL BE MOUNTED ON A 3/32" THICK ALUMINUM MOUNTING PLATE.
3. 24 VOLT TRANSFORMER, RELAYS, TIMER, WIRING AND TERMINAL STRIP (12 CONNECTION MINIMUM) SHALL BE MOUNTED IN A CONTROL BOX WHICH SHALL BE ATTACHED TO THE BACK OF THE SWITCH PANEL MOUNTING PLATE.
4. ALL SWITCH PANEL COMPONENTS SHALL BE COMMERCIAL GRADE QUALITY.

SPRAY NOZZLE:

1. SPRAY NOZZLE SHALL BE MODEL NO. 1/4K27SS AND ADJUSTABLE BALL FITTING SHALL BE NO. 1/4" X 1/4" SS AS MANUFACTURED BY "SPRAYING SYSTEMS CO." OF WHEATON, ILLINOIS, OR APPROVED EQUAL.
2. ALL SYSTEM WATER PIPING SHALL BE HARD DRAWN TYPE L COPPER WITH WROUGHT COPPER FITTINGS MADE UP WITH 95/5 SOLDER.
3. CONTRACTOR SHALL PROVIDE SIX (6) SPARE SPRAY NOZZLES AND TURN THOSE OVER TO OWNER AT COMPLETION OF JOB.

PUMP AND TANK:

PUMP AND PRESSURE TANK SHALL BE A COMPLETE SKID MOUNTED ASSEMBLY WITH PRESSURE SWITCH, HAND-OFF-AUTOMATIC SWITCH, PRESSURE GAUGE AND 1/2 HP MOTOR (115 VOLT, 3 PHASE). PUMP CAPACITY SHALL BE 8 GPM IN BOOSTING WATER PRESSURE FROM 15 PSIG TO 50 PSIG.

PIPE HEADER AND BRACKET SUPPORT:

ALL WELDING OF THE SUPPORT BRACKET COMPONENTS SHALL BE DONE WITH TYPE 304 STAINLESS STEEL FILLER ROD. AFTER THE WELDING AND FABRICATION OF THE SUPPORT BRACKET HAS TAKEN PLACE, ALL SURFACES OF THE SUPPORT BRACKET SHALL BE SANDBLASTED AND THEN SPRAYED WITH A COAT OF PRIMER SUITABLE FOR THE FINISH COAT OF PAINT.

P10

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — DAVID M. PFUNDT — 79558 — REGISTERED PROFESSIONAL ENGINEER — 6-22-01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

PLUMBING
DEFOGGER DETAILS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/15/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/15/01

DESIGNED: M. NAJERA
REVIEWED: D. PFUNDT
ORIG. DFT.: J. MILLER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- P10

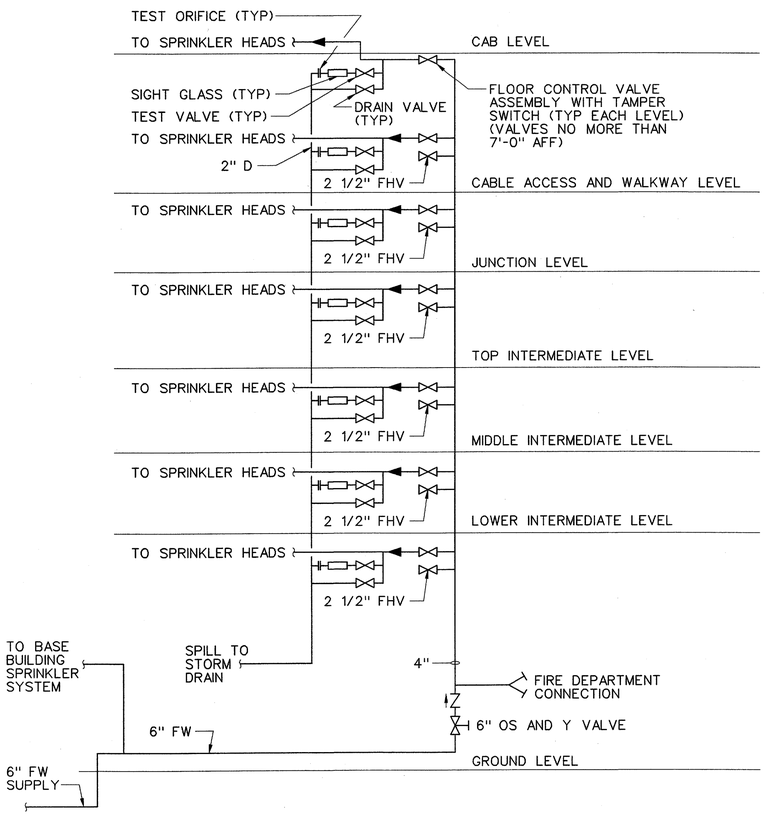
REF. DWG.:

FILENAME: ads\p010.dft

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

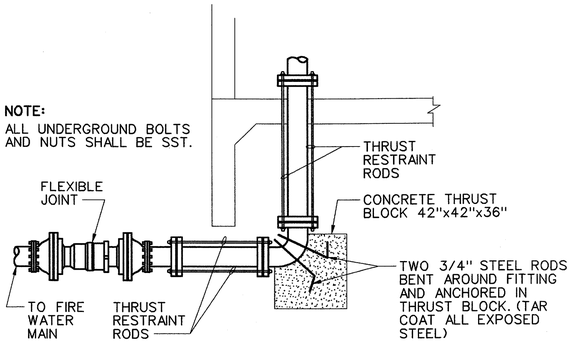
NOTES:

1. FOR GENERAL NOTES, SEE DRAWING M001.



1 P011 FIRE PROTECTION RISER DIAGRAM
NOT TO SCALE

NOTE:
ALL UNDERGROUND BOLTS AND NUTS SHALL BE SST.



2 P011 FIRE MAIN ENTRANCE DETAIL
NOT TO SCALE

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
FIRE PROTECTION RISER DIAGRAM AND DETAILS

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: Mike Doerr 7/21/03	APPROVED BY: John L Webb 7/18/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: KS		DRAWING NO: ADS-D-ATCT-P011	REV: A
CHECKED			

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07/17/2003 04:54:34 PM ksorn

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

SPECIAL NOTES:

1. CIRCUIT BREAKER SHALL BE SOLID STATE TYPE WITH GROUND FAULT PROTECTION.
2. CONDUIT AND CONTROL WIRING PER MANUFACTURER'S WIRING DIAGRAMS.

2"C-1NO.4/0 COPPER GROUND CABLE TO COUNTERPOISE AT GROUND WELL
SURGE ARRESTOR LIGHTNING PROTECTION
"MDPNH" NORMAL MAIN SWITCHBOARD 600A, 480V, 3 PHASE, 4 WIRE, WITH SOLID GROUND BUS (BASE BUILDING)
LOCATION(TYP) 65K AIC
KW-HR METER BY UTILITY COMPANY
DIGITAL MONITOR
PRIMARY CABLES BY UTILITY COMPANY
600A
(2 SETS)3 1/2"C-4NO.350KCMIL, NO.2/0 G
2"C-1 NO.4/0G TO DRIVEN GROUND ROD AT TRANSFORMER
GROUND FAULT PROTECTION RELAY SYSTEM
400A ①
225A
225A
45A
45A
100A
70A
100A
SPACE
SPACE
"PTI" PAD MOUNTED TRANSFORMER FURNISHED AND INSTALLED BY UTILITY COMPANY, 300KVA, 12.47KV-480Y/277V
120V
EXTERIOR SHUNT TRIP BREAK GLASS STATION
400A COMBINATION AUTOMATIC TRANSFER SWITCH & BY-PASS ISOLATION SWITCH (GFM)
1"C-3NO.6,NO.10G
1 1/2"C-3NO.2,NO.8G
60/3 N/F
1 1/4"C-3NO.4,NO.8G
XFMR "ST5",30KVA 480V-480/277V, 3PH, 4W
XFMR "ST1",45 KVA 480V-208Y/120V, 3PH, 4W
3/4"C,NO.6G TO BLDG COUNTERPOISE
3/4"C,NO.8G TO BLDG COUNTERPOISE
2 1/2"C-4NO.1/0,NO.6G,NO.6 IG
1 1/4"C-4NO.6,NO.8G
1 1/2"C-4NO.2,NO.8G, NO.8 IG
1 1/2"C-4NO.2,NO.8G
3 1/2C"-3NO.500KCMIL,NO.2G
LOAD BANK CONTROL PANEL (GFM)
120V
400AF 400AT 3P ①
ENGINE GENERATOR CONTROL PANEL (GFM)
250KW, 312.5KVA .8PF, 480V 3PH, 3W, ENGINE GENERATOR SET (GFM)
REMOTE E/G MONITOR PANEL LOCATED IN THE TOWER CAB (GFM)
NEMA 3R 400A/3
250KW LOAD BANK (GFM)
2"C, 1 NO.4/0 COPPER GROUND CABLE TO COUNTERPOISE AT GROUNDWELL
BATTERIES AND RACK (GFM)
3 1/2"C-3NO.500 KCMIL,NO.2G
"NHLB1" (BASE BLDG)
"NHPB1" (BASE BLDG)
"NLPB1" (BASE BLDG)
"NLPB2" (BASE BLDG)
"NLPB3" (BASE BLDG)
"NLPB4" (BASE BLDG)
PANEL 'MDPEH" ESSENTIAL MAIN DISTRIBUTION, 400A, 480V, 3 PHASE, 3 WIRE, WITH GROUND BUS (BASE BUILDING) (ESSENTIAL)
42K AIC
① 400A MB
100A 45A 45A 150A 225A 100A 45A 100A 100A 100A 150A 150A 30A 30A
ACC-1
ACC-2 (STBY)
P3
P4 (STBY)
INPUT
1 1/2"C-3NO.2,NO.8G
1 1/2"CO
BYPASS
OUTPUT
FUTURE 50KW UPS (BASE BUILDING)
LOAD BANK
FUTURE LOAD BANK
FUTURE DISC SWITCH
2-2"CO
FUTURE AUTOMATIC TRANSFER SWITCH 100A.(BASE BUILDING)
PANEL "DPCL", 225A, 480V 3 PHASE, 3 WIRE (BASE BUILDING) (CRITICAL)
100A MB
100A MB
42K AIC
45A 45A 45A 100A
60A/NF
60/3/50AF
1"C-3NO.6,NO.10G
20
ELEVATOR
1 1/2"C-3NO.2,NO.8G
"NHT1" (TOWER)
1" C-3NO.6,NO.10G
XFMR "T1", 30 KVA 480V-208Y/120V, 3PH, 4W
3/4"C,NO.8G TO BLDG. COUNTERPOISE
1 1/2"C-4NO.2,NO.8G
"NLPT1" (TOWER)
XFMR "ST7",30 KVA 480V-208Y/120V, 3PH, 4W
60/3 N/F
"ST7"
3/4"C,NO.8G TO BUILDING COUNTERPOISE
"CB-ST7" 100A
1 1/2"C-4NO.2,NO.8G
"ELPB2" (BASE BLDG)
"EHPB1" (BASE BLDG)
3"C-3NO.4/0,NO.4G
XFMR, 30 KVA 480V-208Y/120V, 3PH, 4W
60/3 N/F
"ST2"
"ELPB1" (BASE BLDG)
XFMR, 30 KVA 480V-480/277V, 3PH, 4W
60/3 N/F
"ST6"
1 1/4"C-4NO.6,NO.8G
LTG
"EHLB1" (BASE BLDG)
"EHT1" (TOWER)
1"C-3NO.4,NO.8G
XFMR "T3", 45 KVA 480V-208Y/120V, 3PH, 4W
3/4"C-1NO.6G TO BUILDING COUNTERPOISE
1 1/2"C-3NO.1/0,NO.6G
"ELPT1" (TOWER)
"ELPT2" (SCHEDULE E03) (TOWER)
1"C-3NO.6,NO.10G
XFMR,30 KVA 480V-208Y/120V, 3PH, 4W, K RATED
"ST3"
"ST4"
"T2"
3/4"C-NO.6G TO BLDG. COUNTERPOISE
"CB-ST3" 100A
"CB-ST4" 100A
"CB- T2" 100A
2"C-5NO.2,NO.8G,NO.8 IG
2"C-5NO.2, NO.8G,NO.8 1G
"CLPB1" (BASE BLDG)
"CLPB2" (BASE BLDG)
"CLPT1" TOWER

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

SINGLE LINE DIAGRAM

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: PROJECT ENGINEER, ANI-630/ 7/18/03	APPROVED BY: PLATFORM MANAGER, ANI-630 7/18/03	
DESIGNED: M. DOERR	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: LTM		DRAWING NO: ADS-D-ATCT-E001	REV: A
CHECKED			

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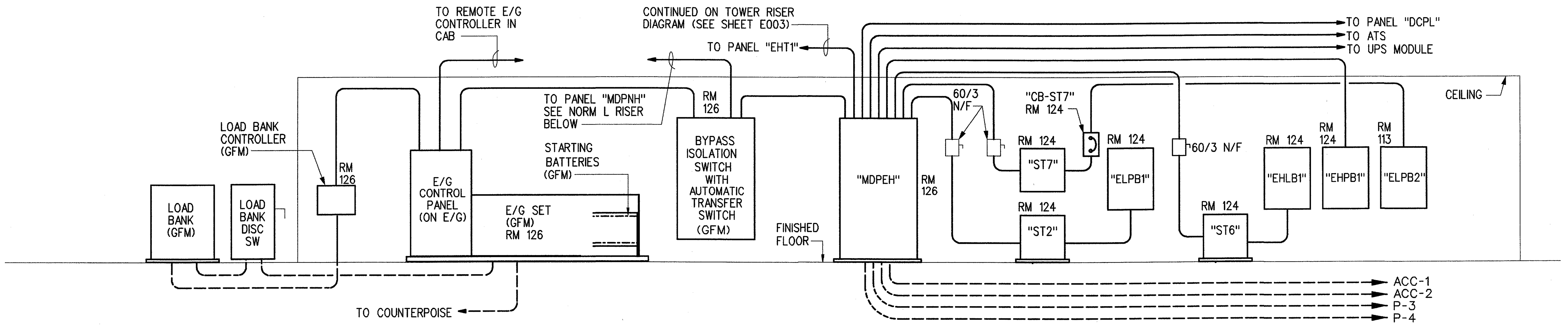
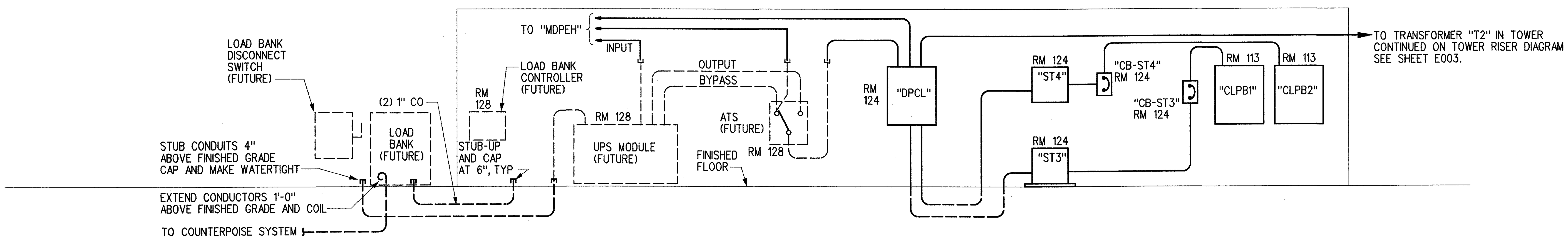
07/17/2003 04:53:09 PM ksam



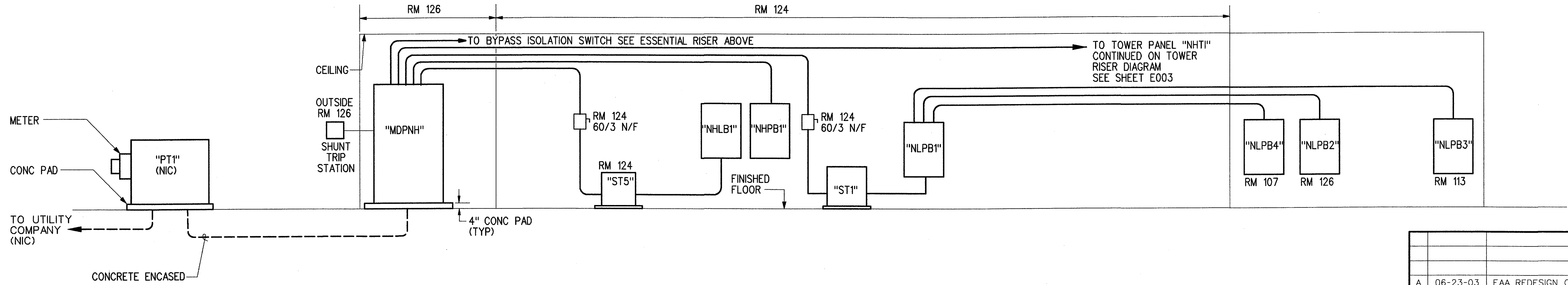
ESSENTIAL EMERGENCY POWER RISER DIARGAM - BASE BUILDING

NOT TO SCALE



CRITICAL EMERGENCY POWER RISER DIARGAM - BASE BUILDING

NOT TO SCALE



NORM L POWER RISER DIARGAMS - BASE BUILDING

NOT TO SCALE

GENERAL NOTES:

1. REFER TO ONE LINE DIAGRAMS FOR CONDUCTOR AND CONDUIT SIZES.
2. REFER TO INDIVIDUAL BUILDING PLANS FOR LOCATION OF ELECTRICAL LOADS.
3. REFER TO PANELBOARD SCHEDULES AND ONE LINE DIAGRAM FOR LOAD CONNECTION POINTS.
4. CONFIRM EXACT LOCATIONS OF ALL CONDUIT TERM NATIONS FOR FUTURE EQUIPMENT WITH COR.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

POWER RISER DIAGRAMS
BASE - EG BUILDING

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY — SUBMITTED BY: PROJECT ENGINEER, ANI-630 (signed 7/18/03) — APPROVED BY: PLATFORM MANAGER, ANI-630 (signed 7/18/03)

DESIGNED: M. DOERR — DRAWN: LTM — CHECKED — ISSUED BY: NAS IMPLEMENTATION ANI-600 — DATE: 06-23-03 — JCN: 9700164 — DRAWING NO: ADS-D-ATCT-E002 — REV: A

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

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LIGHTING FIXTURE SCHEDULE

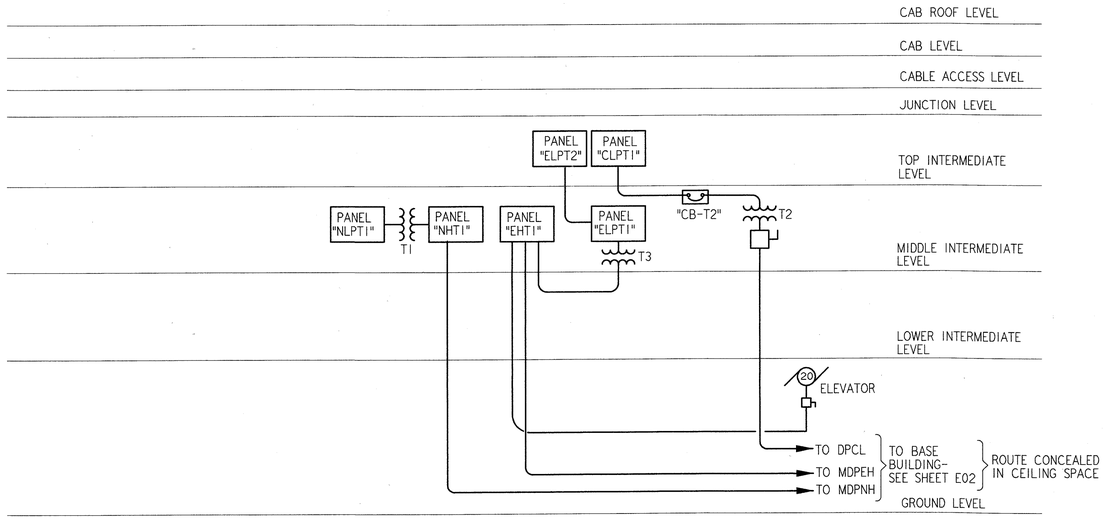
DESIG.	DESCRIPTION	MANUFACTURER & CATALOG NO.	VOLTS / VA	NO. LAMPS	TYPE	REMARKS
A	2X4, RECESSED FLUORESCENT FIXTURE, AIR HANDLING TROFFER WITH PARABOLIC LOUVERS	COLUMBIA P4-244S-43483-2-PAF* (OR EQUAL)	277 / 142	4	SYLVANIA FO32/841	32 CELL LOUVERED PARABOLIC FIXTURE WITH SEMI-SPECULAR SILVER FINISH ON LOUVERS. HIGH POWER FACTOR BALLASTS,T8 OCTRON, 32W OCTRON, COOL WHITE (4100K) LAMPS. RFI SUPPRESSION.
A1	2X4, RECESSED FLUORESCENT FIXTURE, AIR HANDLING TROFFER WITH PARABOLIC LOUVERS	COLUMBIA P4-242S-43263-2-PAF* (OR EQUAL)	277 / 71	2	SYLVANIA FO32/841	12 CELL LOUVERED PARABOLIC FIXTURE WITH SEMI-SPECULAR SILVER FINISH ON LOUVERS. HIGH POWER FACTOR BALLASTS, T8 OCTRON, 32W OCTRON, COOL WHITE (4100K) LAMPS. RFI SUPPRESSION.
A2	18"x 4', SURFACE FLUORESCENT FIXTURE, WITH WRAPAROUND LENS	COLUMBIA WPW240-A (OR EQUAL)	277 / 71	2	SYLVANIA FO32/841	RFI SUPPRESSION
B	2X2, RECESSED FLUORESCENT FIXTURE, AIR HANDLING TROFFER WITH PARABOLIC LOUVERS	COLUMBIA P4-222US-43-333-2 (OR EQUAL)	277 / 86	2	SYLVANIA FB032/841/6	9 CELL LOUVERED PARABOLIC FIXTURE WITH SEMI-SPECULAR SILVER FINISH ON LOUVERS. RFI SUPPRESSION. LAY IN GRID.
D	COMPACT FLUORESCENT DOWN LIGHT FIXTURE, BLACK BAFFLE W/ PRISMATIC DIFFUSER	PRESCOLITE PBXTL94-87-277V-HPF (OR EQUAL)	277 / 40	2	SYLVANIA CF13DS/841	
D1	RECESSED INCANDESCENT DOWN LIGHT HALOGEN CLEAR REFLECTOR W/ LOWER BLACK BAFFLE	PRESCOLITE IDBX-TB16 (OR EQUAL)	120 / 75	1	R30-75W	PAINT TRIM RING FLAT BLACK
D2	COMPACT FLUORESCENT DOWN LIGHT FIXTURE, SPECULAR CLEAR ALZAK REFLECTOR	PRESCOLITE PBXTO-94S-277V (OR EQUAL)	277 / 40	2	SYLVANIA CF13DS/841	
D3	COMPACT FLUORESCENT SURFACE MOUNTED ROUND DRUM FIXTURE	PRESCOLITE 9458	277 / 40	2	SYLVANIA CF13DS/841	
E	STEM OR SURFACE MOUNT DUST AND MOISTURE RESISTANT FIXTURE	COLUMBIA LU240-DMR (OR EQUAL)	277 / 71	2	SYLVANIA FO32/841	SURFACE MOUNT UNLESS NOTED OTHERWISE RFI SUPPRESSION NOTE 1
F1	SIGN HORIZONTAL FLOODLIGHT	KIM LIGHTING AFL1/100MH277-M/BL-P (OR EQUAL)	277 / 120	1	100W MH	USE ARCHITECTURAL STANCHION MOUNT
FL	FLAG POLE FLOODLIGHT	KIM LIGHTING AFL3/175MH/BL-P +SM18 (OR EQUAL)	277 / 200	1	175W MH	USE ARCHITECTURAL STANCHION MOUNT
J	7" x 4'WALL MOUNTED FLUORESCENT FIXTURE	COLUMBIA SAMC240-277 +SM18 (OR EQUAL)	277 / 71	2	SYLVANIA FO32/841	RFI SUPPRESSION NOTE 1
K	WALL SCONCE	BEGA 2928MH (OR EQUAL)	277 / 80	1	70W MH	FINISH (NOTE 2)
N	ENCLOSED AND GASKETED LUMINAIRE	GE LIGHTING SYST. H7-1-15F-3W-DD (OR EQUAL)	120 / 150	1	150W INCAN.	WALL MOUNTED WITH WIRE GUARD AND GASKETED FOR NON-HAZARDOUS WET/ UNPROTECTED LOCATIONS.
P	20'PARKING LOT LIGHTING FIXTURE AND POLE	KIM 1A/ET3/250 MH277/ BL-P, TYPE II, III, OR IV AS INDICATED ON PLAN (OR EQUAL)	277 / 290	1	250W MH	MOUNT ON 20' POWDER COATED GALVANIZED STEEL POLE (NOTE 2)
R	OBSTRUCTION LIGHT	CROUSE-HINDS 50021-116-GR (OR EQUAL)	120 / 230	2	CROUSE HINDS 10047-1577	DUAL MOUNTED OBSTRUCTION LIGHTS 115W LAMP INCLUDED.
X	EXIT LIGHT	PRESCOLITE PEXLRLW-EN-W	277 / 2	—		LED TYPE EXIT LIGHT - RED LETTERS ON WHITE FACE. BATTERY BACKUP.
X1	EMERGENCY LIGHT	PRESCOLITE ELB2	277 / 10	2	7W INCAND.	LEAD CALCIUM MAINTENANCE-FREE BATTERY.
TL	120V TRACK, WITH (3) LOW VOLTAGE TRACK SPOT LIGHTS AND FRAMING PROJECTORS	JUNO #T398BL FIXTURE AND FRAMING PROJECTOR JUNO #T538BL POWER PACK	120 / 150	3	50W/MR 16	ADJUSTABLE SPOT LIGHT MATTE BLACK FINISH. ONE CIRCUIT/SURFACE MOUNT TRACK/BLACK
S	RECESSED AISLE LIGHT	PRESCOLITE ALCF-4	277 /	1	SYLVANIA F9TT	MOUNT 18" ABOVE STEP
A3	2 x 4 RECESSED FLUORESCENT FIXTURE WITH ACRYLIC LENS	COLUMBIA 4PS2G-52-244-277	277 / 142	4	SYLVANIA FO32/841	RFI SUPPRESSION SLOT GRID
M	MODULAR FLUORESCENT FIXTURE	LITHONIA #M232-A12-277	277 / 71	2	SYLVANIA FO32/841	SURFACE MOUNT

* PAF - PAINT AFTER FABRICATION

** EO - ELECTRONIC BALLAST OCTRON LAMP

NOTES:

1. PROVIDE LOW TEMPERATURE BALLASTS FOR FIXTURES IN STAIRWAY.
2. KYNAR 500 CHAMPAGNE



TOWER POWER RISER DIAGRAM

10KAIC

PANEL NO. ELPT2 — LOCATION RM. T1-TOWER

SERVICE VOLTAGE 208Y/120, 3PH, 4W VOLTS — MOUNTING SURFACE

BUS RATING 225 AMPS. (S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
SPARE	1	20				1		2				1	20	SPARE
SPARE	1	20				3		4				1	20	SPARE
SPARE	1	20				5		6				1	20	SPARE
SPARE	1	20				7		8				1	20	SPARE
SPARE	1	20				9		10				1	20	SPARE
SPARE	1	20				11		12				1	20	SPARE
SPARE	1	20				13		14				1	20	SPARE
SPARE	1	20				15		16				1	20	SPARE
SPARE	1	20				17		18				1	20	SPARE
SPARE	1	20				19		20				1	20	SPARE
SPARE	1	20				21		22				1	20	SPARE
SPARE	1	20				23		24				1	20	SPARE
SPARE	1	20				25		26				1	20	SPARE
SPARE	1	20				27		28				1	20	SPARE
SPARE	1	20				29		30				1	20	SPARE
TOTALS														

BUS A _____ VA
BUS B _____ VA
BUS C _____ VA
TOTAL _____ VA

MAIN (BREAKER) (LUGS) MLO
CONNECTED LINE AMPS. _____
KVA DEMAND _____ AMPS DEMAND _____

E03

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. J. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

POWER RISER DIAGRAMS AND FIXTURE SCHEDULE

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: T. Nguyen 10/5/01 — SYSTEMS ENGINEER, ANI-630

APPROVED: Johnnie L. White 10/15/01 — MANAGER INFRASTRUCTURE PLATFORM, ANI-630

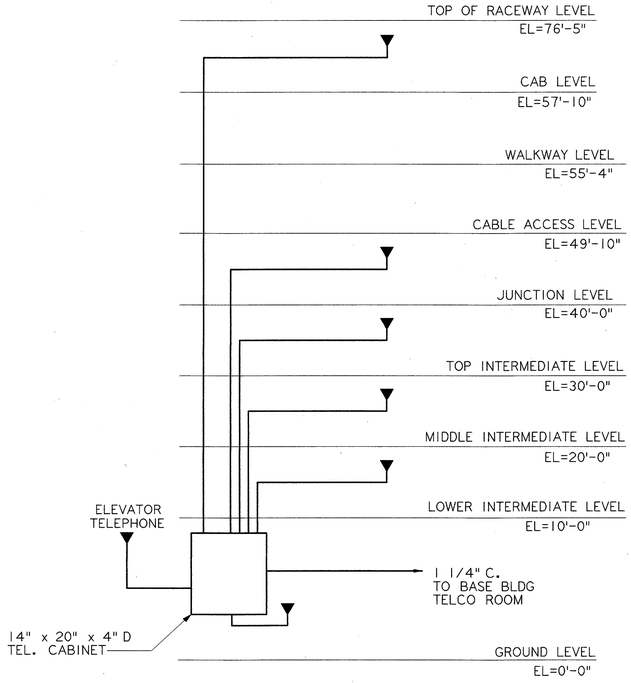
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

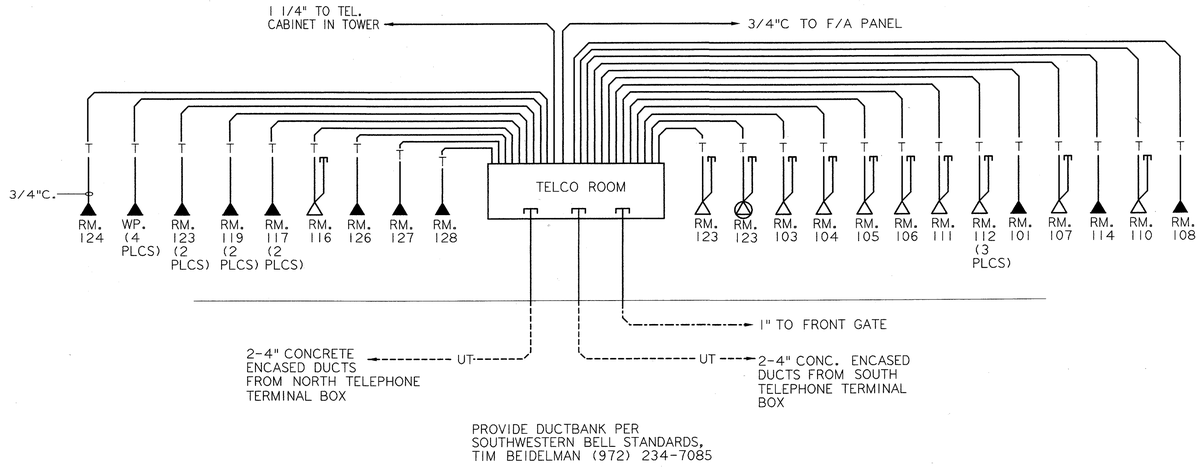
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- E03

REF. DWG.:

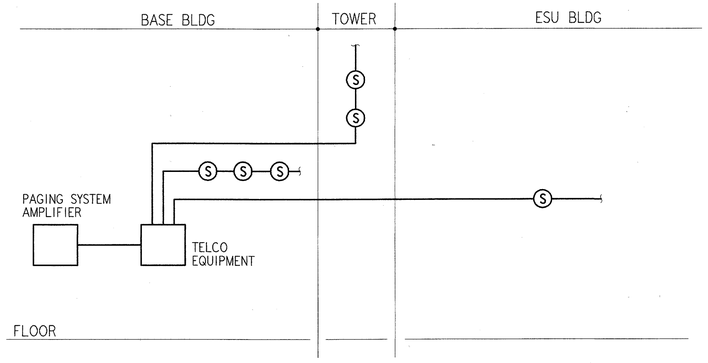
FILENAME:



TOWER TELEPHONE RISER DIAGRAM



EG/BASE BUILDING TELEPHONE RISER DIAGRAM



PAGING RISER DIAGRAM

E04

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. N. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 10/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

TELCO RISER DIAGRAMS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/15/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/15/01

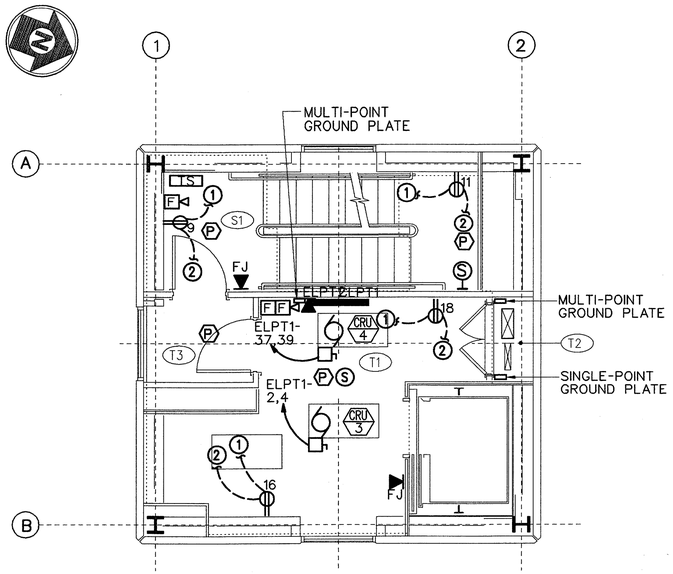
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

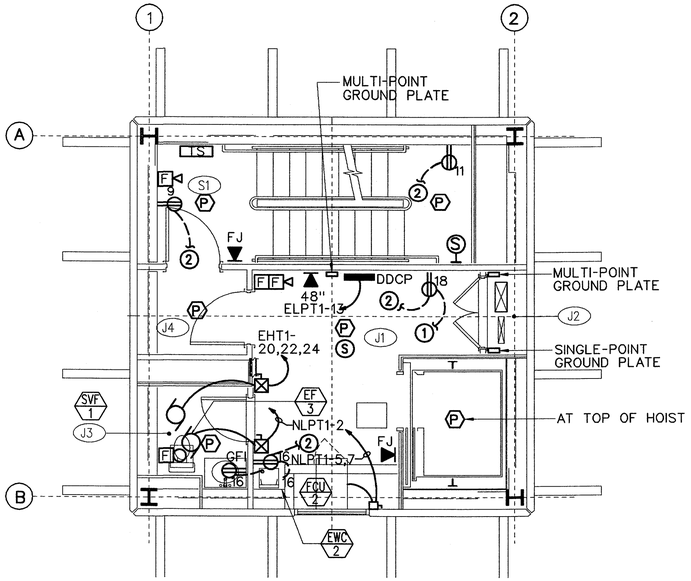
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- E04

REF. DWG.:

FILENAME:



TOP INTERMEDIATE LEVEL
SCALE: 1/4" = 1'-0" EL = 30'-0"



JUNCTION LEVEL
SCALE: 1/4" = 1'-0" EL = 40'-0"

ROOM SCHEDULE	
RM NO.	ROOM NAME
G1	LOBBY
G2	ELEVATOR MACHINE ROOM
G3	STAIR PRESSURIZATION
L1	UNASSIGNED
L2	CABLE CHASE
L3	VESTIBULE
M1	ELECTRICAL EQUIPMENT
M2	CABLE CHASE
M3	VESTIBULE
T1	ELECTRONIC EQUIPMENT
T2	CABLE CHASE
T3	VESTIBULE
J1	CORRIDOR
J2	CABLE CHASE
J3	WOMEN'S RESTROOM
J4	VESTIBULE
S1	STAIR

GENERAL NOTES:

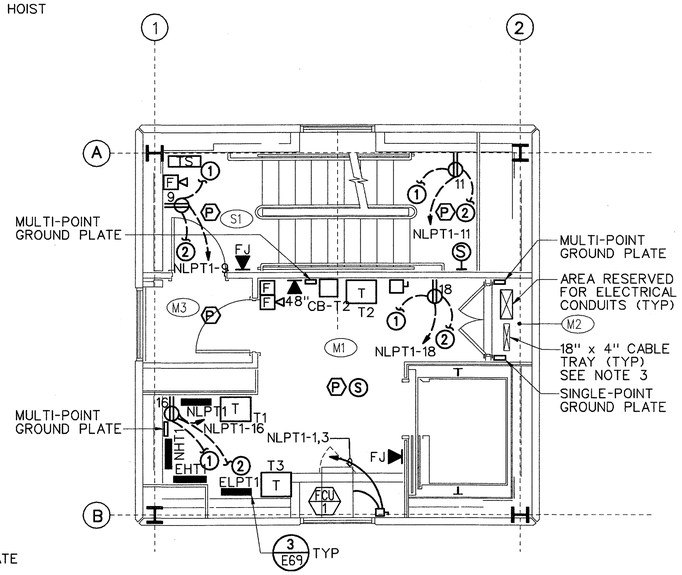
1. BOND ALL HVAC AND ELEVATOR EQUIPMENT TO THE MULTI-POINT GROUND PLATES ON EACH LEVEL
2. ALL TELEPHONE AND FIREMAN'S PHONE JACKS AT +48" AFF.
3. INSTALL NO.6 BARE COPPER GROUND WIRE IN ALL CABLE TRAY.

SPECIAL NOTES:

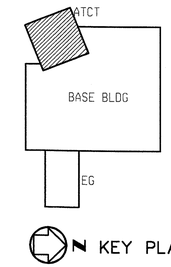
(1) TO RECEPTACLE ABOVE.

(2) TO RECEPTACLE BELOW.

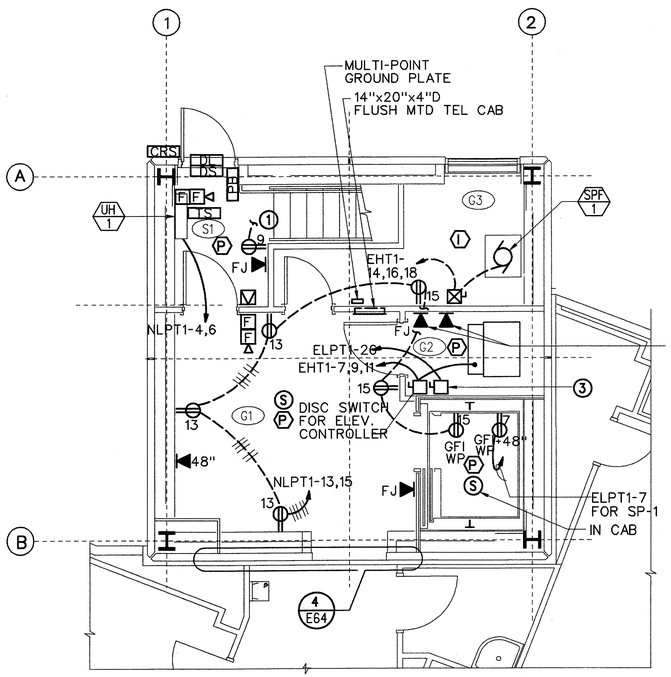
(3) 30/1 NF SWITCH FOR ELEVATOR CAB.



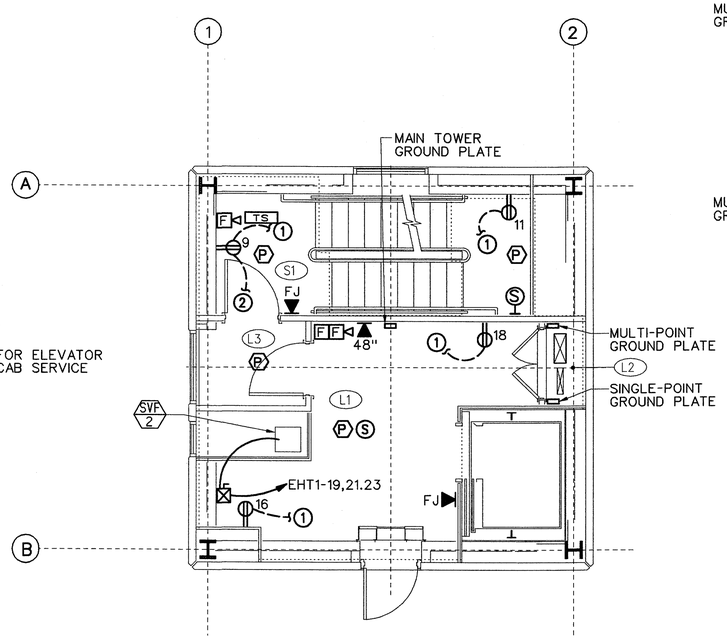
MIDDLE INTERMEDIATE LEVEL
SCALE: 1/4" = 1'-0" EL = 20'-0"



KEY PLAN



GROUND LEVEL
SCALE: 1/4" = 1'-0" EL = 0'-0"



LOWER INTERMEDIATE LEVEL
SCALE: 1/4" = 1'-0" EL = 10'-0"

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

POWER PLANS

ADDISON ADDISON AIRPORT TX

REVIEWED BY
SUBMITTED BY M.A. McLeod 7/18/03
PROJECT ENGINEER, ANI-630
APPROVED BY Johnnie L White 7/18/03
PLATFORM MANAGER, ANI-630
DESIGNED M. DOERR
DRAWN LTM
CHECKED
ISSUED BY NAS IMPLEMENTATION ANI-600
DATE 06-23-03 JCN 9700164
DRAWING NO ADS-D-ATCT-E011 REV A

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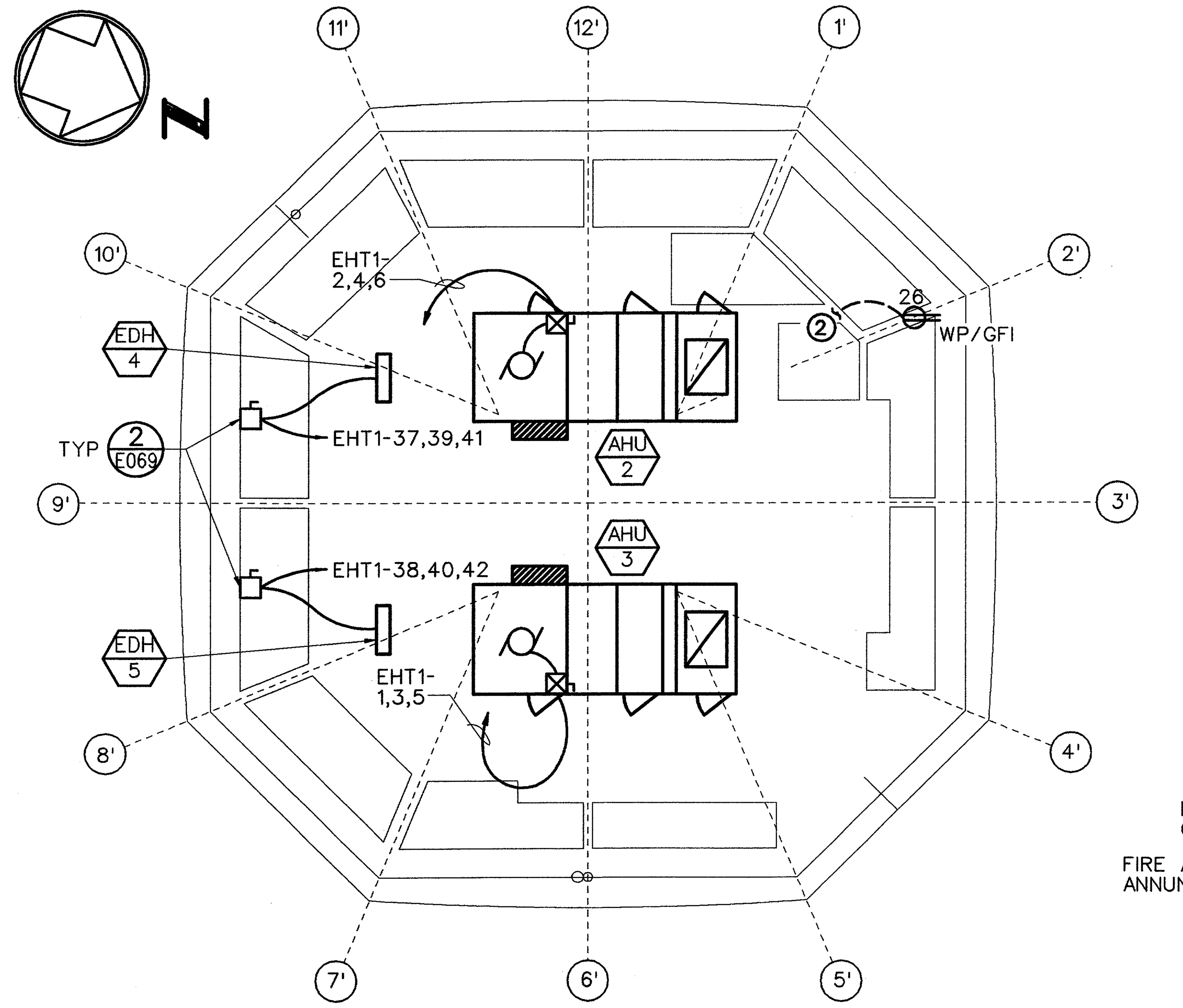
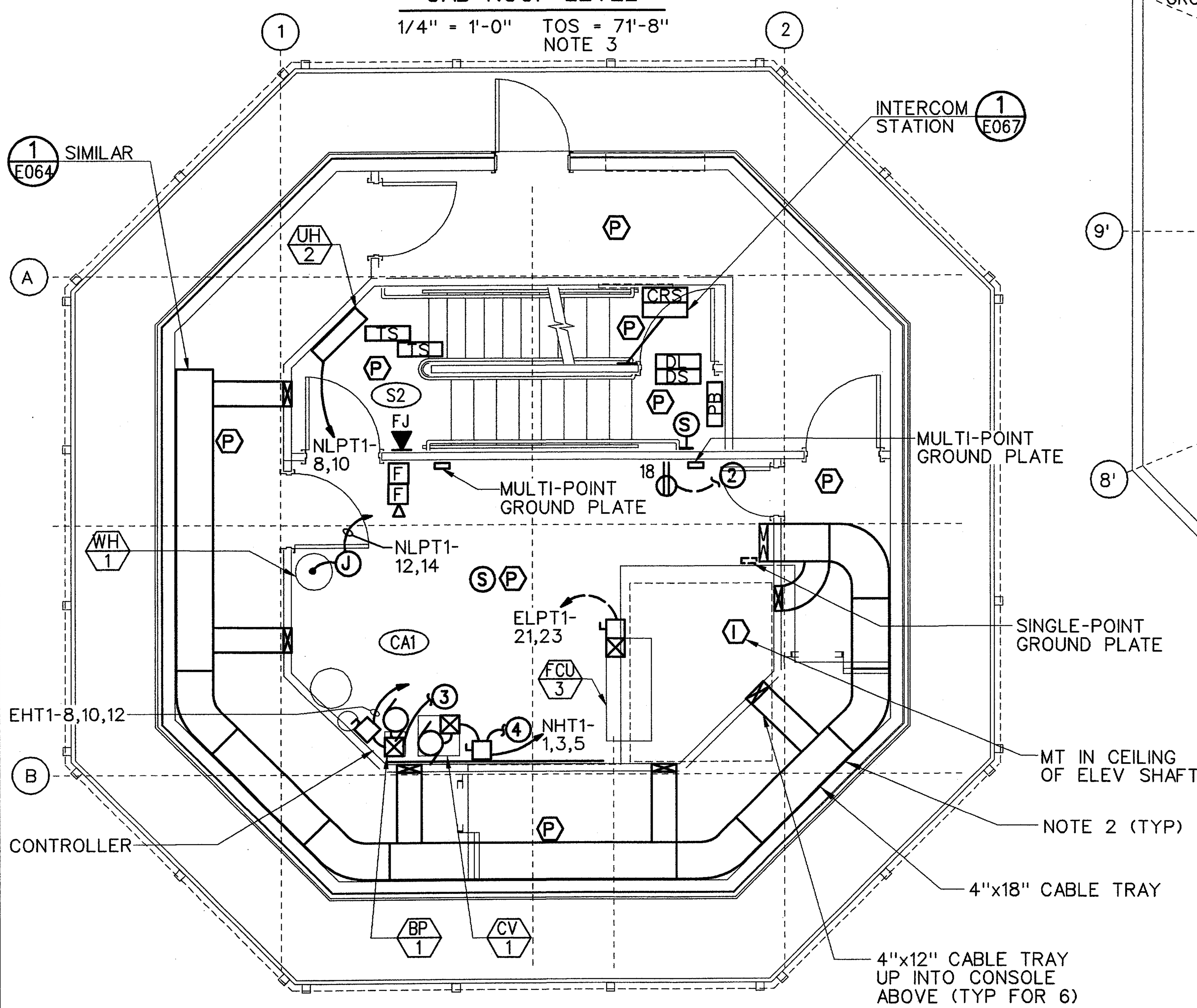
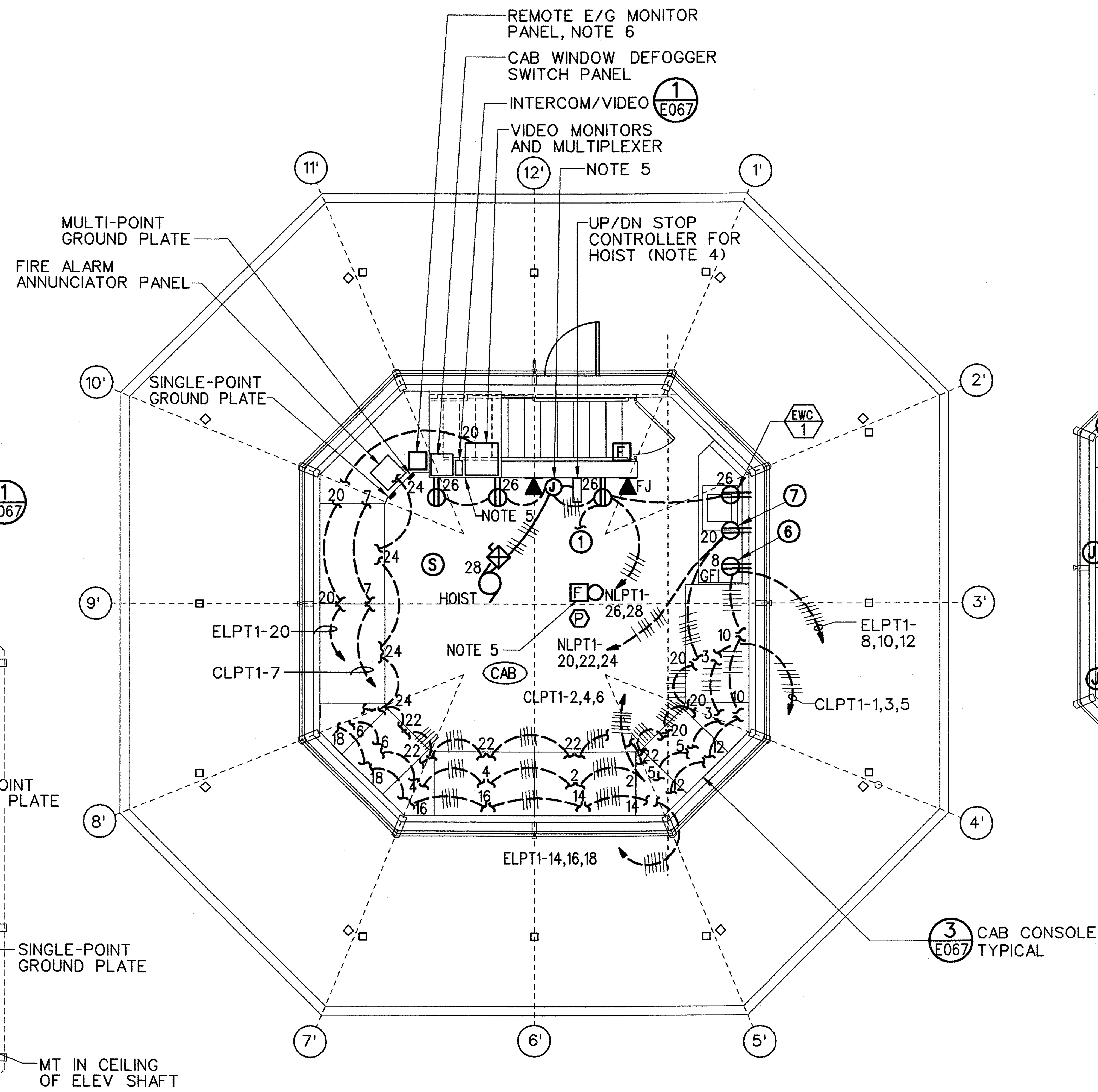


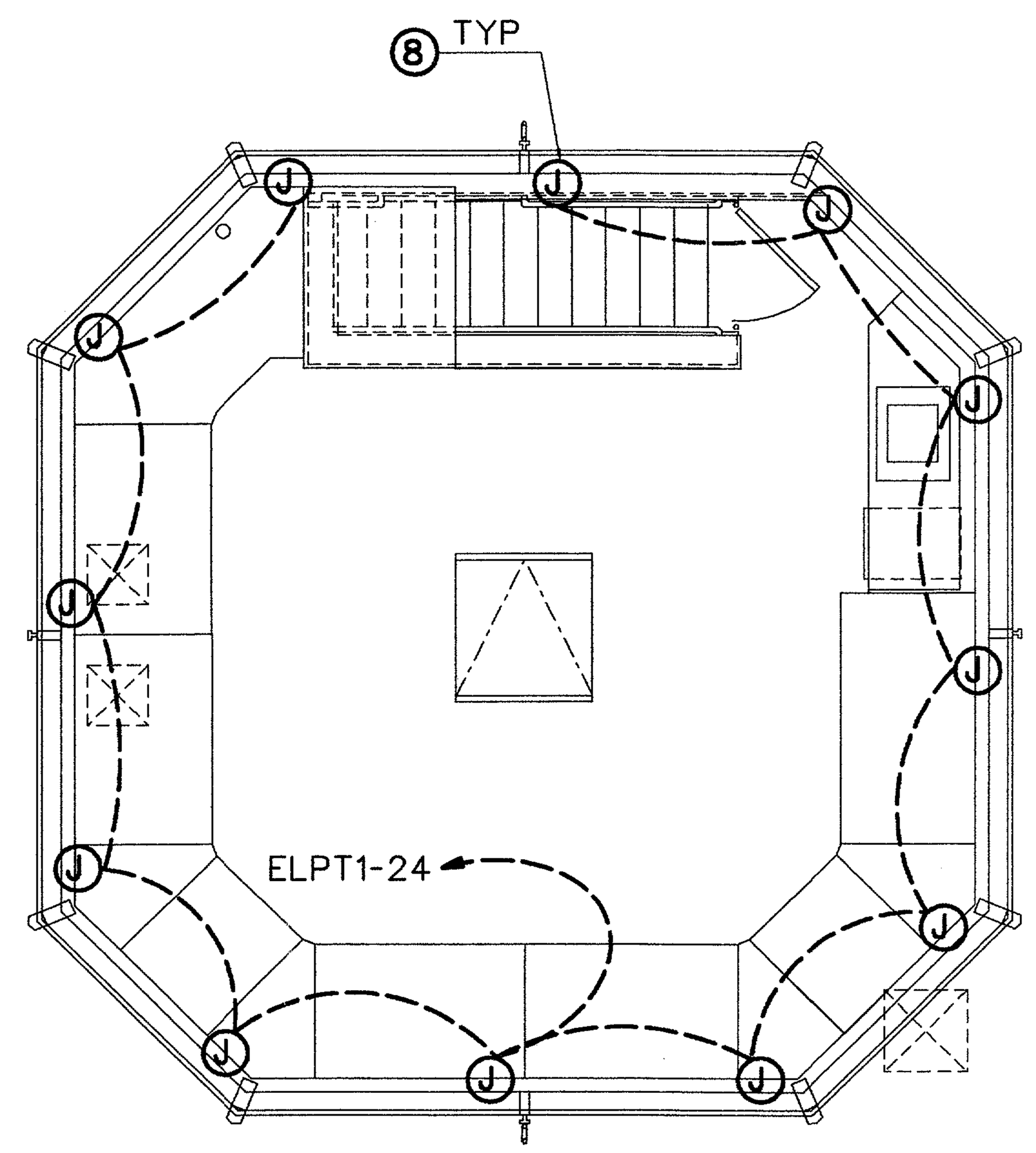
CAB ROOF LEVEL
1/4" = 1'-0" TOS = 71'-8"
NOTE 3



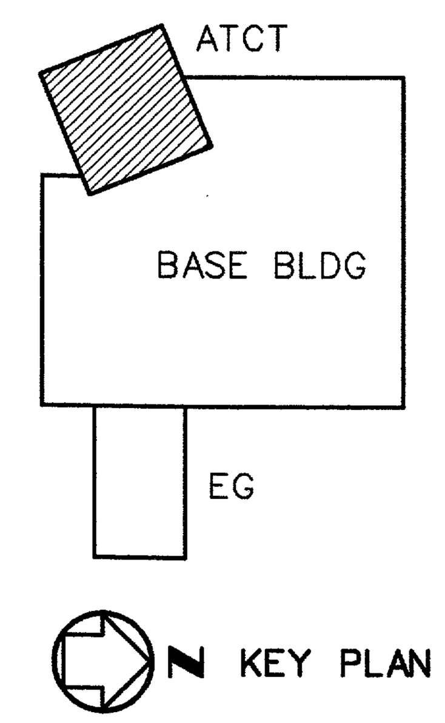
CABLE ACCESS AND WALKWAY LEVEL
1/4" = 1'-0" EL = 49'-10"
NOTE 3



CAB LEVEL
1/4" = 1'-0" EL = 57'-10"
NOTES 1, 3



CAB CEILING
1/4" = 1'-0" EL = 57'-10"



KEY PLAN

ROOM SCHEDULE	
RM NO.	ROOM NAME
CA1	CABLE ACCESS
CAB	CAB
S2	CAB STAIR

NOTES:

1. TWO SECURITY MONITORS, SWITCHER AND REMOTE DOOR RELEASE PANEL SHALL BE PROVIDED IN THE CAB. COORDINATE EXACT LOCATION WITH COR.
2. INSTALL NO.6 BARE COPPER GROUND WIRE IN ALL CABLE TRAY.
3. REFER TO DRAWING E041 FOR CONDUIT SIZE AND CIRCUIT INFORMATION ON MECHANICAL EQUIPMENT.
4. INSTALL CONTROL STATION FOR HOIST ON END OF SIX FOOT "SO" TYPE CABLE SO CONTROLLER CAN BE STORED AWAY.
5. COORDINATE EXACT LOCATION OF EQUIPMENT IN THIS AREA WITH COR.
6. PROVIDE CONDUIT AND WIRES, PER MANUFACTURERS WIRING DIAGRAMS, TO E/G MONITOR PANEL.

SPECIAL NOTES:

(1) TO RECEPTACLE ABOVE
(2) TO RECEPTACLE BELOW
(3) TO CAB WINDOW DEFOGGER SWITCH PANEL.
(4) TO VACUUM OUTLET IN CAB.
(5) EXTEND WIRING FROM J-BOX UP WINDOW MULLION TO HOIST.
(6) MOUNT ABOVE COUNTER TOP FOR COFFEE MAKER.
(7) MOUNT UNDER COUNTER FOR REFRIGERATOR
(8) JUNCTION BOX. LOCATE FOR ELECTRICAL WINDOW SHADE. (TYP FOR 12). CONNECT SHADE. VERIFY LOCATION.

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

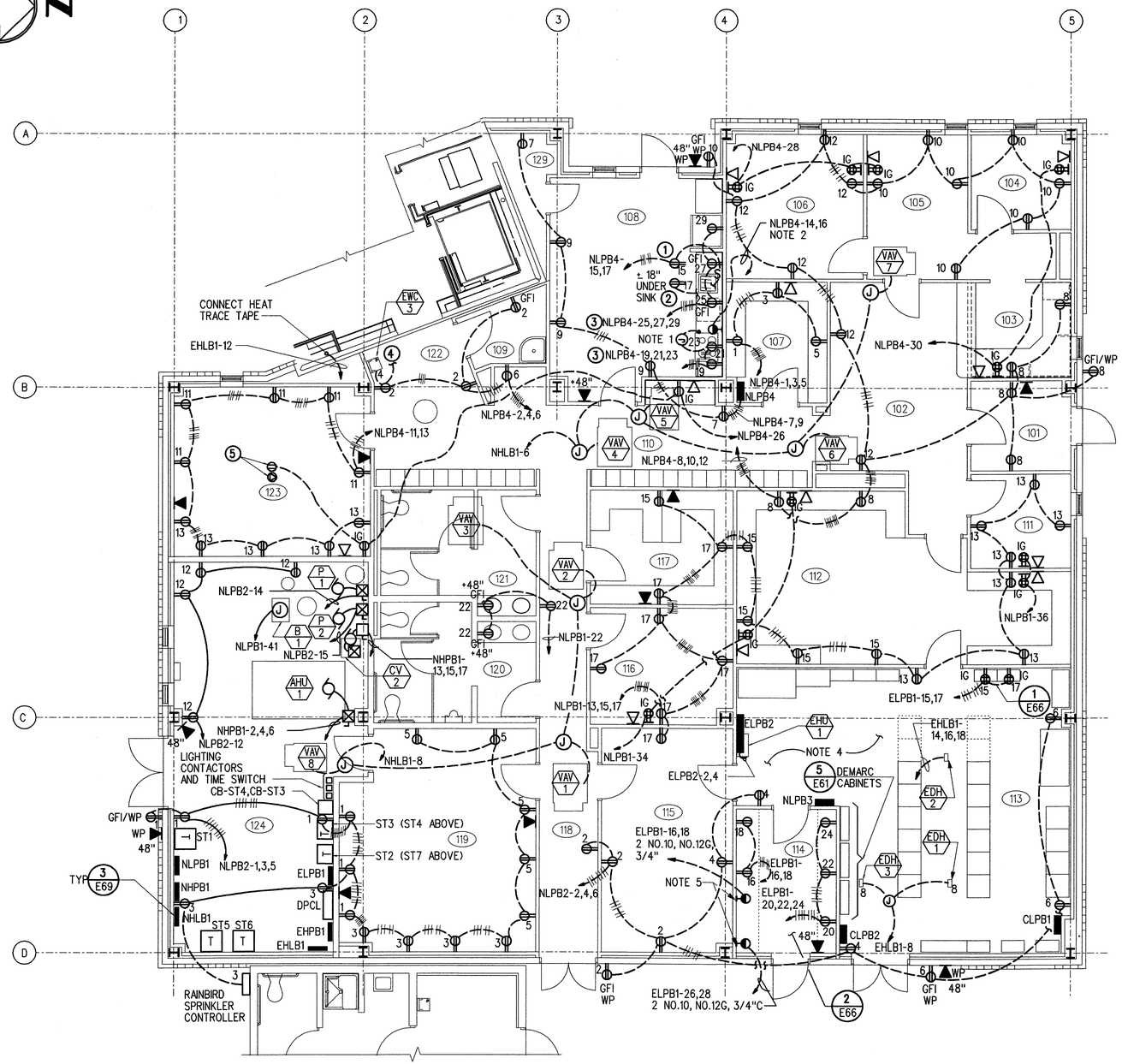
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
POWER PLANS
ATCT

ADDISON ADDISON AIRPORT TX

REVIEWED BY | SUBMITTED BY: m.a. Luhred 7/18/03 | APPROVED BY: Johnnie L. White 7/18/03
PROJECT ENGINEER, ANI-630 | PLATFORM MANAGER, ANI-630
DESIGNED M. DOERR | DRAWN RR/LB | CHECKED
ISSUED BY NAS IMPLEMENTATION ANI-600
DATE 06-23-03 JCN 9700164
DRAWING NO ADS-D-ATCT-E012 REV A



FLOOR PLAN BASE BUILDING

SCALE: 3/16" = 1'-0"

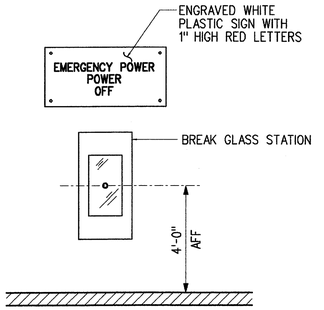
ROOM SCHEDULE	
RM NO.	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	STORAGE
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	E/G ROOM
129	CABLE ACCESS ROOM

NOTES:

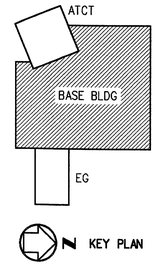
1. FOR CONDUIT, WIRE AND DISCONNECTING MEANS SIZES FOR EQUIPMENT, SEE DRAWING E041.
2. 50A, 250V, 1 PHASE, 3 WIRE PLUS GROUND RECEPTACLE FOR RANGE. 1"C, 3 NO.6, AND 1 NO.10 GROUND. CONNECT RANGE.
3. PROVIDE SEPARATE NEUTRAL PER PHASE FOR EACH GENERAL PURPOSE RECEPTACLE CIRCUIT
4. FOR UNDER FLOOR CABLE TRAY AND SQUARE DUCT, SEE DRAWING E014.
5. 250V, 1 PHASE, 3 WIRE, NEMA L6-30R RECEPTACLE

SPECIAL NOTES:

1. CABINET MOUNTED MICROWAVE. COORDINATE EXACT LOCATION.
2. RECEPTACLE UNDER SINK FOR GARBAGE DISPOSAL. PROVIDE SWITCH AT +12" ABOVE COUNTER TO CONTROL HALF OF RECEPTACLE. OTHER HALF TO REMAIN ENERGIZED (CONNECT DISHWASHER).
3. MOUNT RECEPTACLE +12" ABOVE COUNTER.
4. UP TO RECEPTACLE ABOVE, SEE DRAWING E024.
5. FLUSH FLOOR OUTLET.



SHUNT TRIP STATION — NTS — 1 E013 REF E014



4' 0 4' 8' 12'

SCALE: 3/16" = 1'-0"

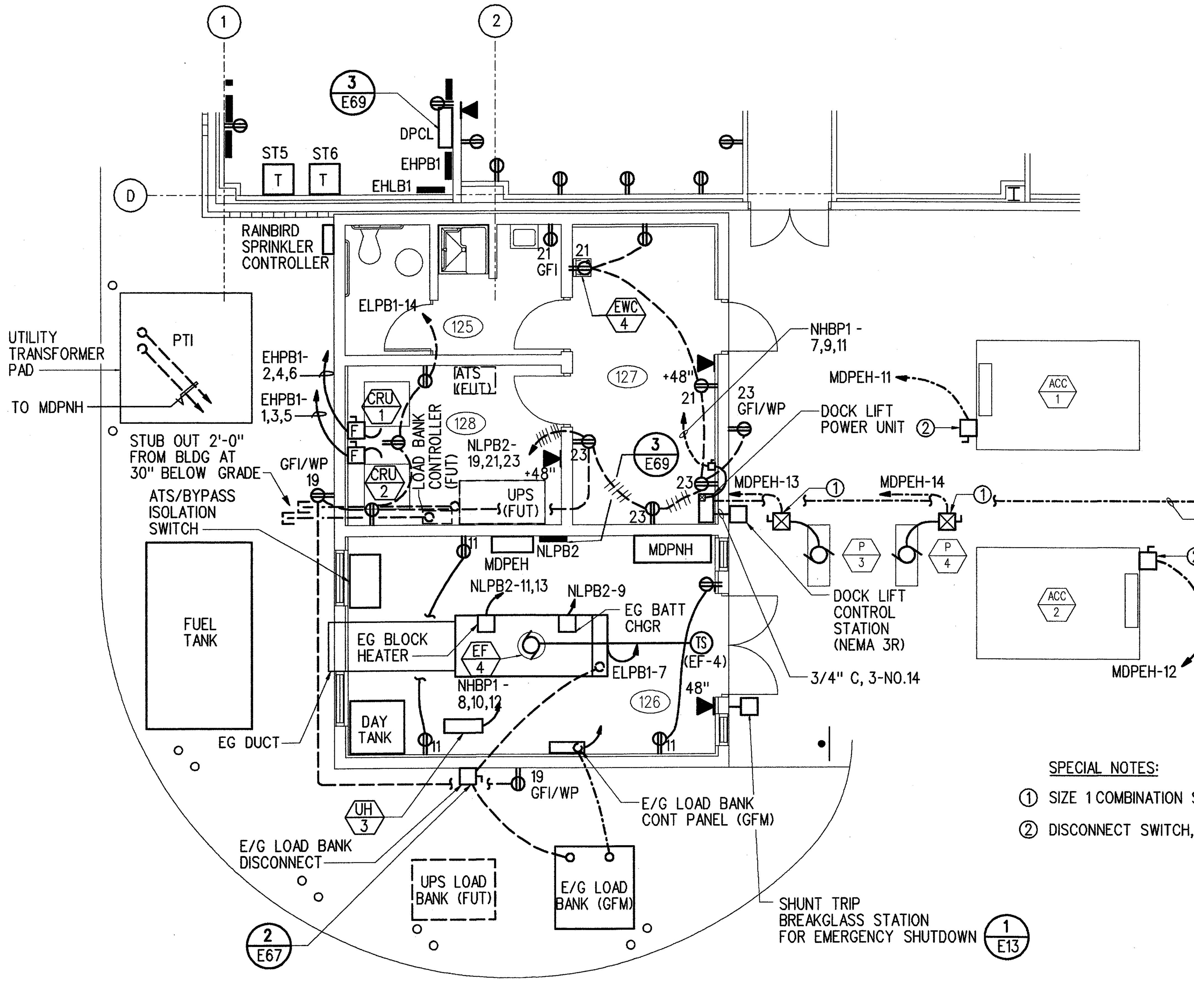
REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN FOR HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
POWER PLAN
BASE-EG BUILDING

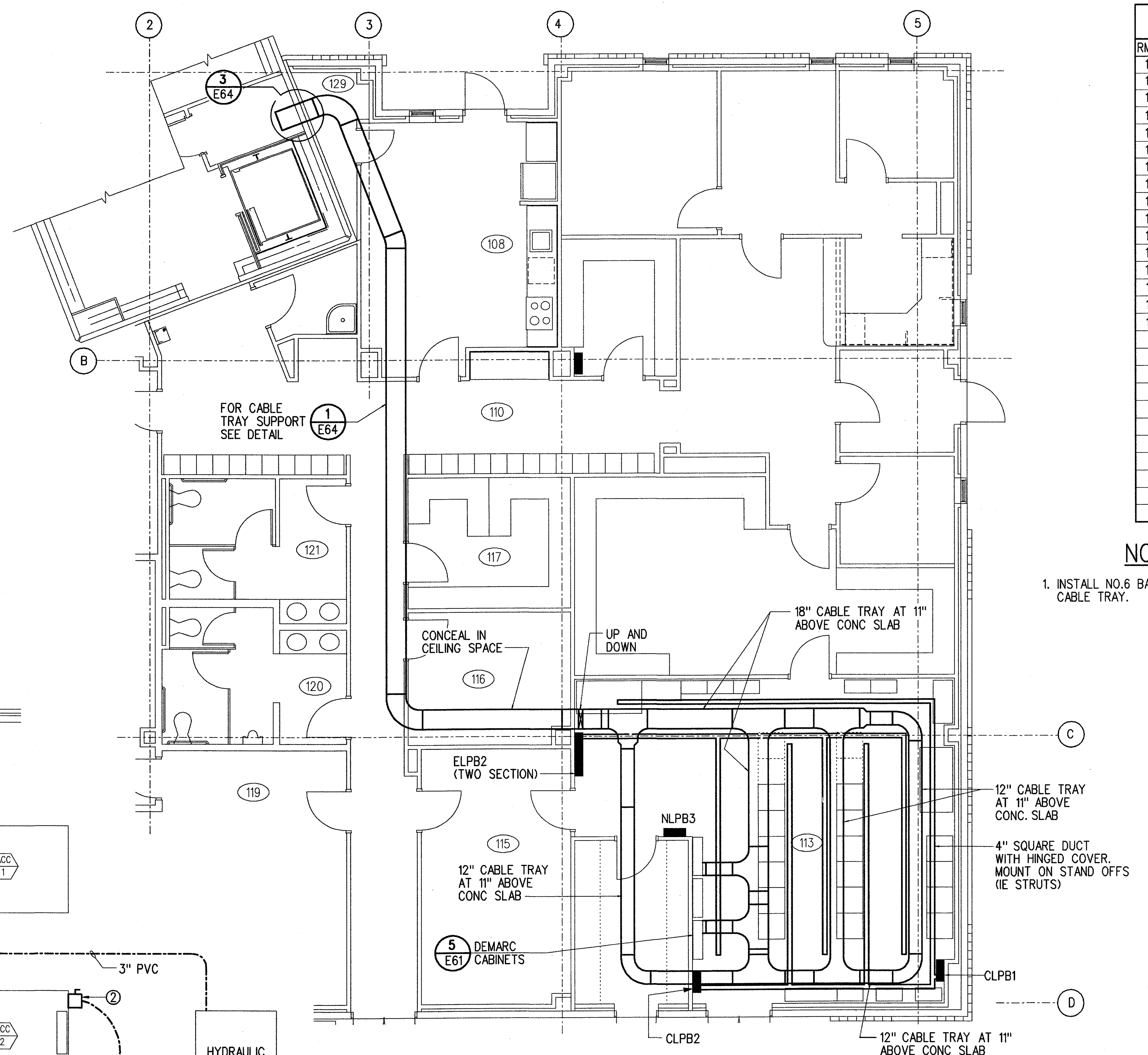
ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY m.a. LeReed 7/18/03	APPROVED BY Johnnie F. White 7/16/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
DESIGNED M. DOERR	ISSUED BY NAS IMPLEMENTATION ANI-600	DATE 06-23-03	JCN 9700164
DRAWN RR/LB		DRAWING NO ADS-D-ATCT-E013	REV A
CHECKED			



PARTIAL FLOOR PLAN BASE-E/G BUILDING

3/16" = 1'-0"



PARTIAL FLOOR PLAN BASE BUILDING

3/16" = 1'-0"

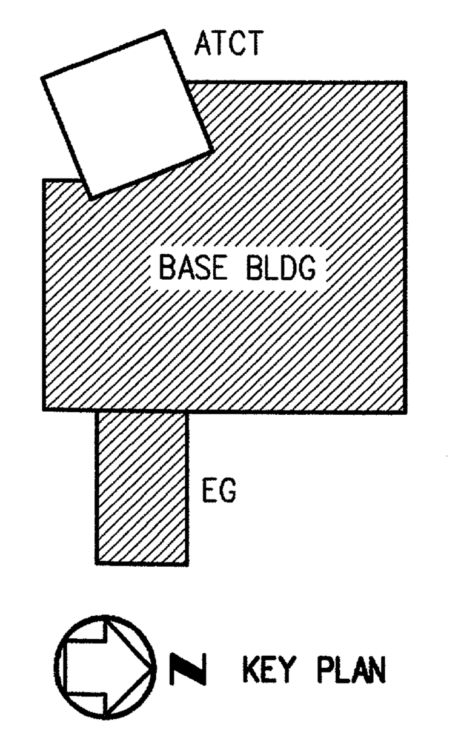
SCALE: 3/16" = 1'-0"

ROOM SCHEDULE

RM NO	ROOM NAME
108	BREAKROOM
109	STORAGE
110	CORRIDOR
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
125	TOILET/SHOWER
126	E/G ROOM
127	WORKROOM
128	UPS
129	CABLE ACCESS ROOM

NOTES:

1. INSTALL NO.6 BARE COPPER GROUND WIRE IN ALL CABLE TRAY.



KEY PLAN

SPECIAL NOTES:

① SIZE 1 COMBINATION STARTER, 3 PHASE, 600 V, NEMA - 3R, (4/E69) TYP.

② DISCONNECT SWITCH, 200 A, 3 PHASE, 600 V, NON-FUSED, NEMA - 3R

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

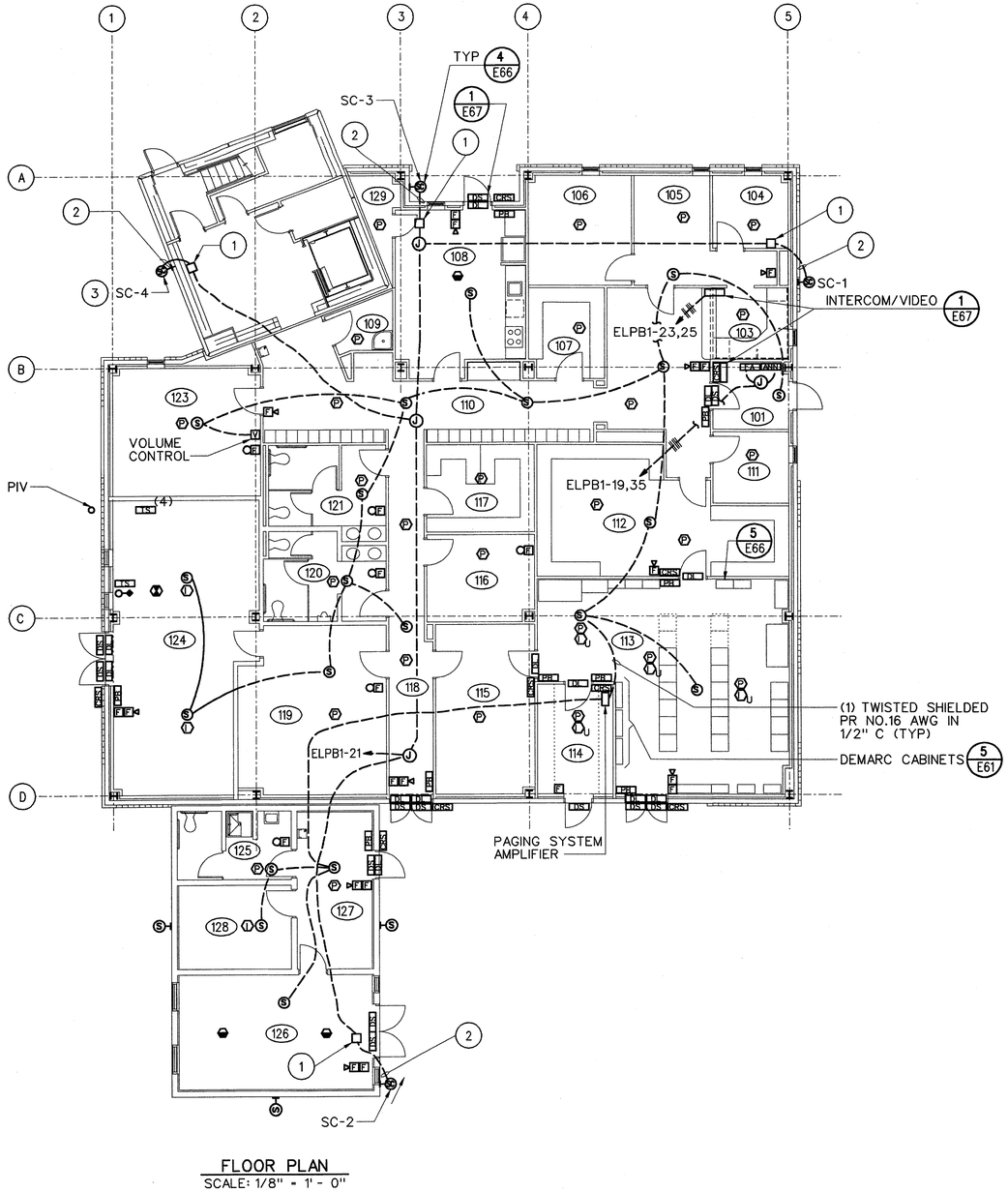
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER
POWER PLAN
PARTIAL PLANS BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TX

REVIEWED BY | SUBMITTED BY: M. A. [signature] 7/18/03 — PROJECT ENGINEER, ANI-630 | APPROVED BY: [signature] 7/18/03 — PLATFORM MANAGER, ANI-630

DESIGNED: A. SMITH | ISSUED BY: NAS IMPLEMENTATION ANI-600 | DATE: 06-22-01 | JCN
DRAWN: R. RUTGER/RBC | DRAWING NO: ADS-D-ATCT-E014 | REV: A
CHECKED



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

ROOM SCHEDULE	
RM NO.	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	JAN CLOSET
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	E/G ROOM
127	WORKROOM
128	UPS
129	CABLE ACCESS ROOM

GENERAL NOTES:

1. SEE DETAILS 5 AND 6, DRAWING E66 FOR VIDEO AND SECURITY SYSTEM BLOCK DIAGRAM
2. SEE DRAWING E011 AND E012 FOR FIRE ALARM AND SECURITY SYSTEMS IN TOWER.

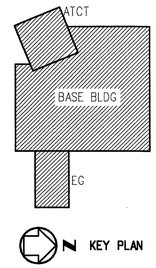
SPECIAL NOTES:

(1) PROVIDE VENTED NEMA 1 ENCLOSURE, FOR POWER SUPPLY, ABOVE CEILING WITH (2) 100 VA, 120-24 VAC, TRANSFORMERS (ONE FOR CAMERA HOUSING, ONE FOR CAMERA). PROVIDE PRIMARY FUSE (2 1/4) AMP AND SECONDARY FUSE (6 AMP) FOR EACH TRANSFORMER. PROVIDE LITTLEFUSE TYPE FLA FUSES WITH L60030M FUSE BLOCKS, DISCONNECT SWITCH, AND PILOT LIGHT. SEE 1 E68, 2 E68

(2) 3/4" C-4 NO.12, NO.12 G.

(3) MOUNT AT WALKWAY LEVEL. SEE 2 A07

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



REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

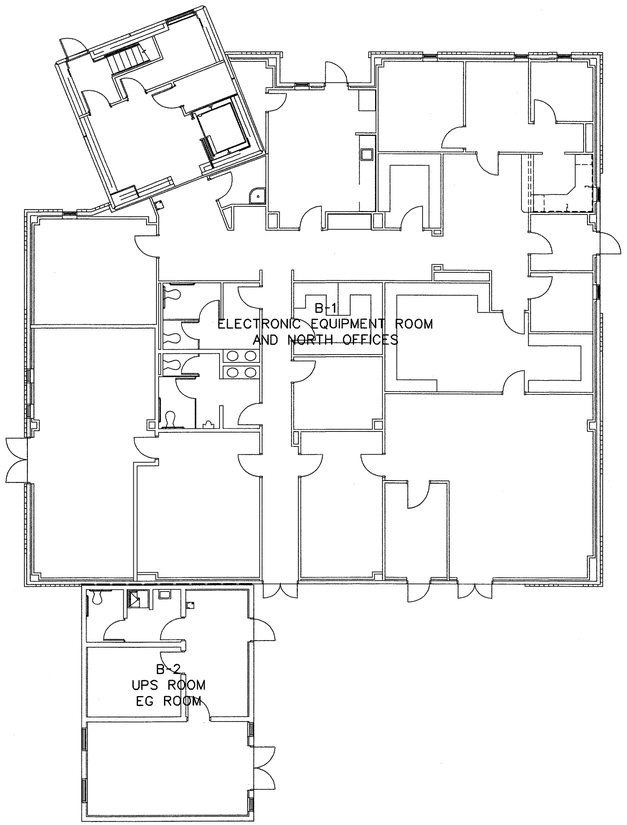
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

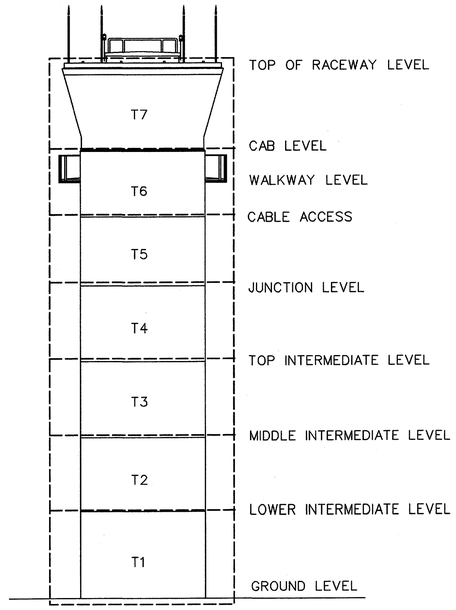
LOW ACTIVITY LEVEL ATCT
FIRE ALARM AND SECURITY PLAN BASE-EG BUILDING

ADDISON — ADDISON AIRPORT — TX

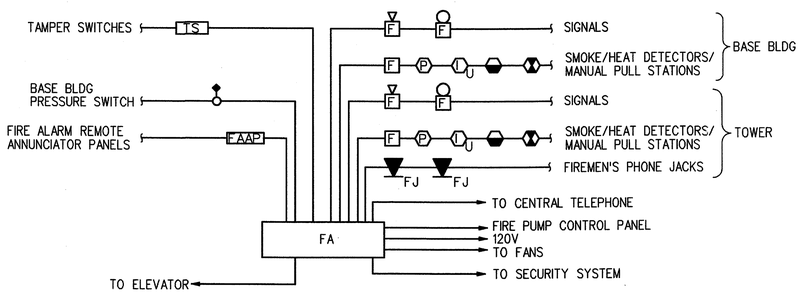
REVIEWED BY	SUBMITTED BY M. A. Waheed 7/18/03	APPROVED BY John W. Whitt 7/18/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
DESIGNED M. WAHEED	ISSUED BY NAS IMPLEMENTATION ANI-600	DATE 06-23-03	JCN 9700164
DRAWN KS		DRAWING NO ADS-D-ATCT-E015	REV A
CHECKED			

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM





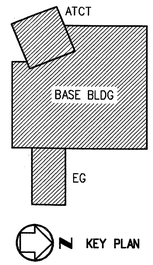
TOWER



FIRE ALARM RISER DIAGRAM
NTS

NOTE:

TYPICAL DIAGRAM ONLY.
SEE PLAN DRAWINGS FOR EXACT NUMBER
AND LOCATIONS OF FIRE ALARM SYSTEM DEVICES.



REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN FOR HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

FIRE ALARM ZONE DIAGRAM

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY Jon A. LeLeed 7/18/03	APPROVED BY Johnnie L. White 7/18/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
	DESIGNED M. DOERR	ISSUED BY NAS IMPLEMENTATION ANI-600	DATE 06-23-03 JCN 9700164
	DRAWN SLH/LB		DRAWING NO ADS-D-ATCT-E016 REV A
	CHECKED		

m:\ddt\atct\active\ads-d-atct-e016-a.dgn
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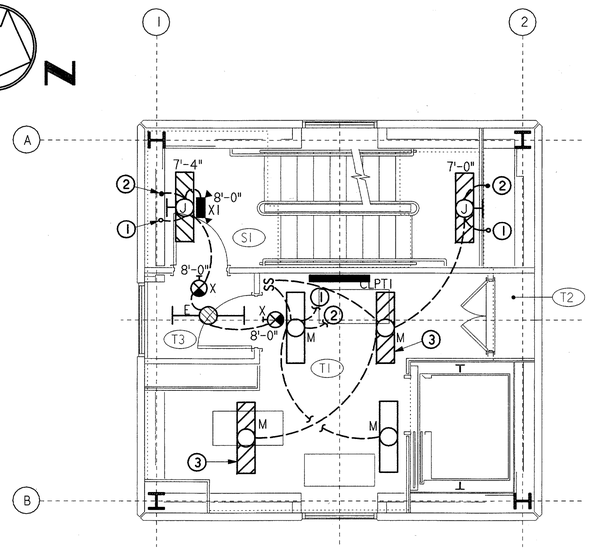
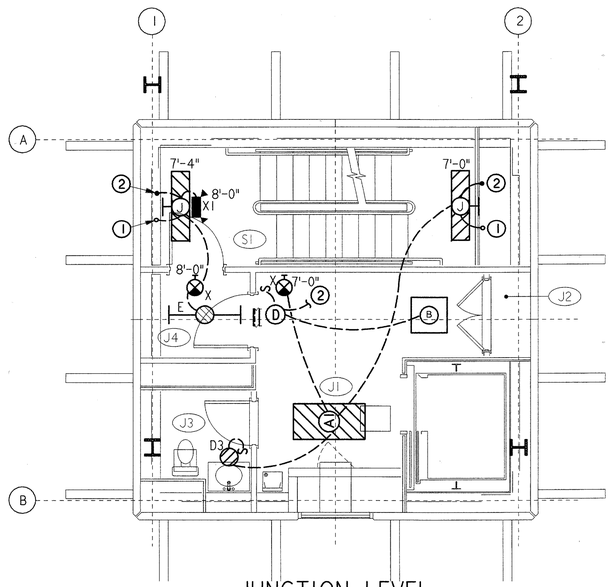


TOP INTERMEDIATE LEVEL

1/4" = 1'-0" EL = 30'-0"



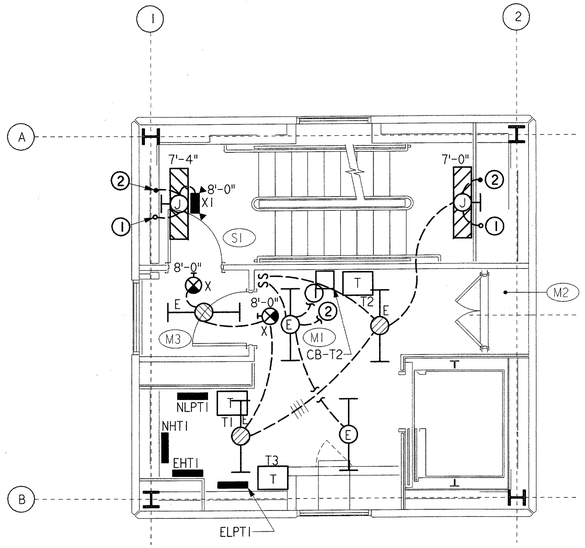
JUNCTION LEVEL

1/4" = 1'-0" EL = 40'-0"

ROOM SCHEDULE	
RM NO	ROOM NAME
G1	LOBBY
G2	ELEVATOR MACHINE ROOM
G3	STAIR PRESSURIZATION
L1	UNASSIGNED
L2	CABLE CHASE
L3	VESTIBULE
M1	ELECTRICAL EQUIPMENT
M2	CABLE CHASE
M3	VESTIBULE
T1	ELECTRONIC EQUIPMENT
T2	CABLE CHASE
T3	VESTIBULE
J1	CORRIDOR
J2	CABLE CHASE
J3	WOMEN'S RESTROOM
J4	VESTIBULE
S1	STAIR

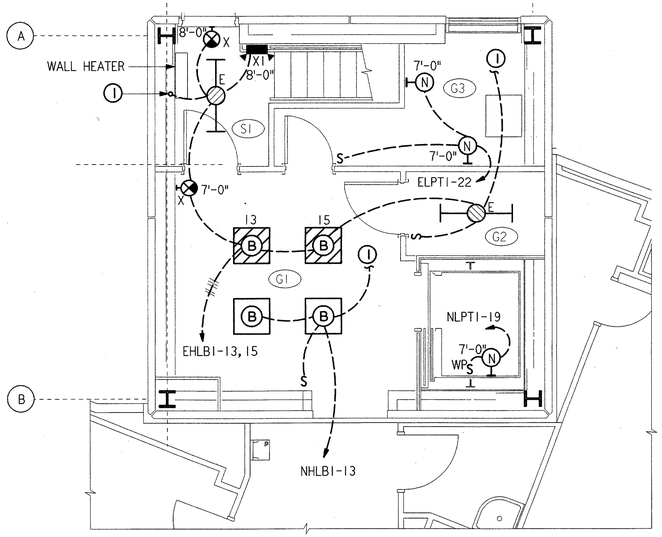
SPECIAL NOTES:

1. TO SIMILAR FIXTURE ABOVE.
2. TO SIMILAR FIXTURE BELOW.
3. SUSPEND BENEATH HVAC UNIT.



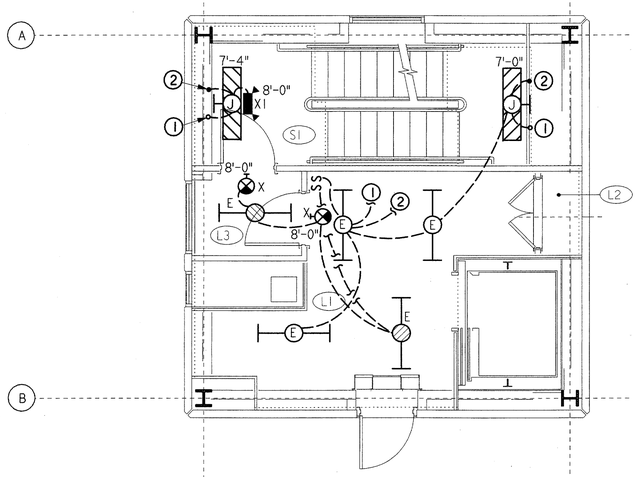
MIDDLE INTERMEDIATE LEVEL

1/4" = 1'-0" EL = 20'-0"



GROUND LEVEL

1/4" = 1'-0" EL = 0'-0"

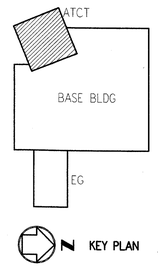


LOWER INTERMEDIATE LEVEL

1/4" = 1'-0" EL = 10'-0"

4' 2' 0 4' 8'

1/4" = 1'-0"



E21

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS ALA GHASSEMI 69431 REGISTERED PROFESSIONAL ENGINEER 10/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

LIGHTING PLANS
ATCT

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 10/15/01

APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 10/15/01

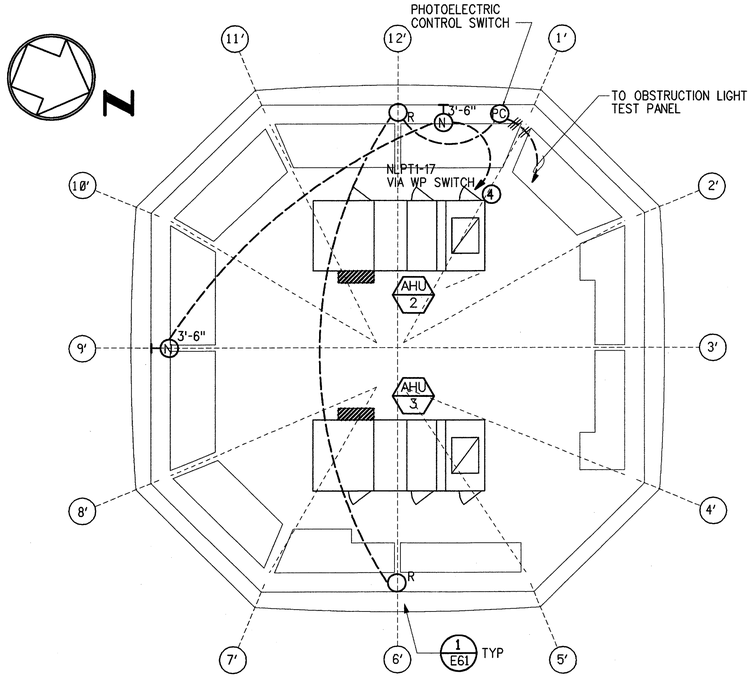
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

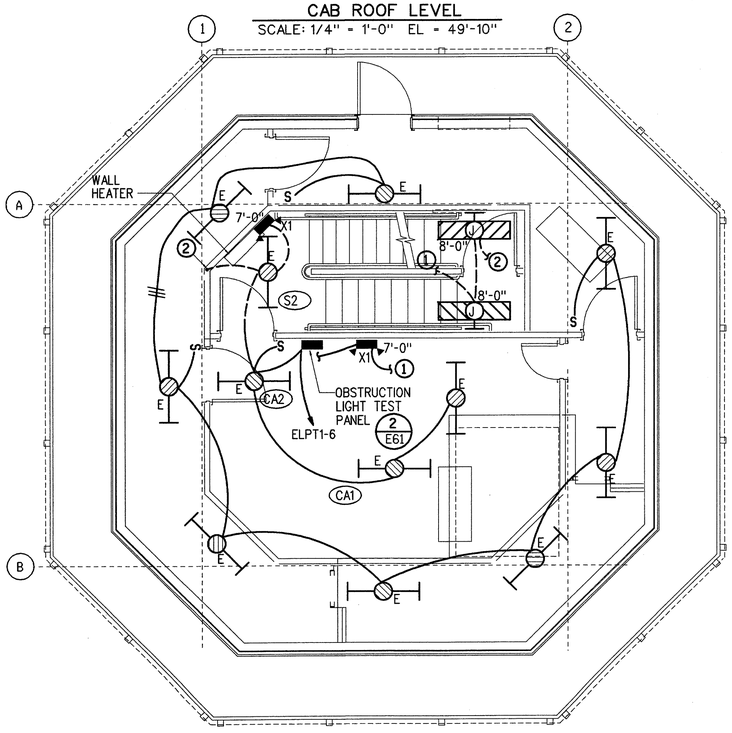
DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- E21

REF. DWG.:

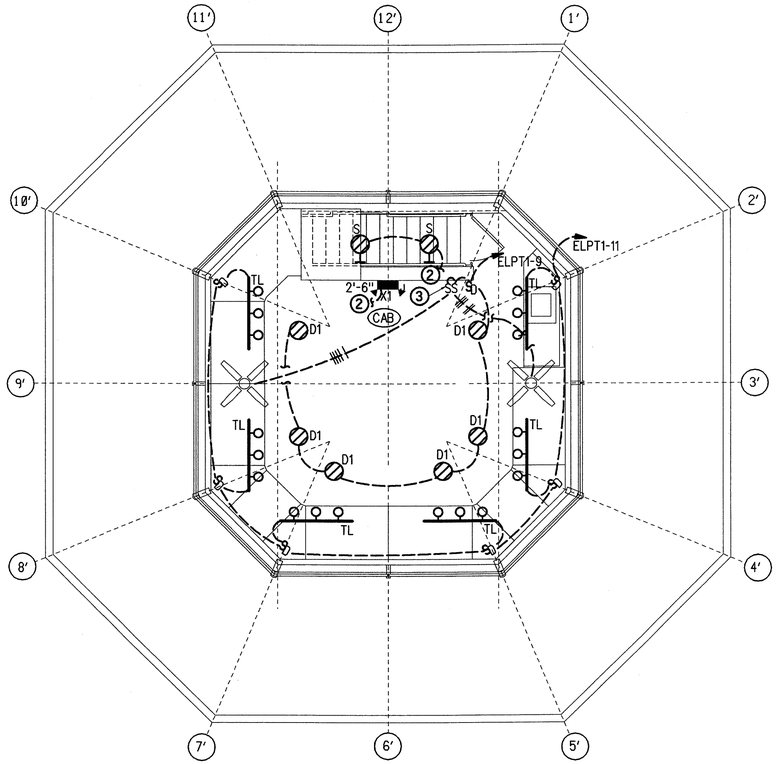
FILENAME:



CAB ROOF LEVEL
SCALE: 1/4" = 1'-0" EL = 49'-10"



CABLE ACCESS AND WALKWAY LEVEL
SCALE: 1/4" = 1'-0" EL = 49'-10"

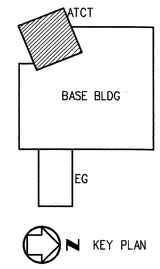


CAB LEVEL
SCALE: 1/4" = 1'-0" EL = 49'-10"

ROOM SCHEDULE	
RM NO.	ROOM NAME
CA1	CABLE ACCESS
CA2	VESTIBULE
CAB	CAB
S2	CAB STAIR

SPECIAL NOTES:

1. TO LIGHT FIXTURE ABOVE.
2. TO LIGHT FIXTURE BELOW.
3. 3 SPEED CEILING FAN CONTROL WITH OFF POSITION, TYPICAL FOR 2.
4. INSTALL WEATHERPROOF SWITCH FOR LIGHTS IN CEILING SPACE OF CAB NEAR ROOF ACCESS HATCH.



REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

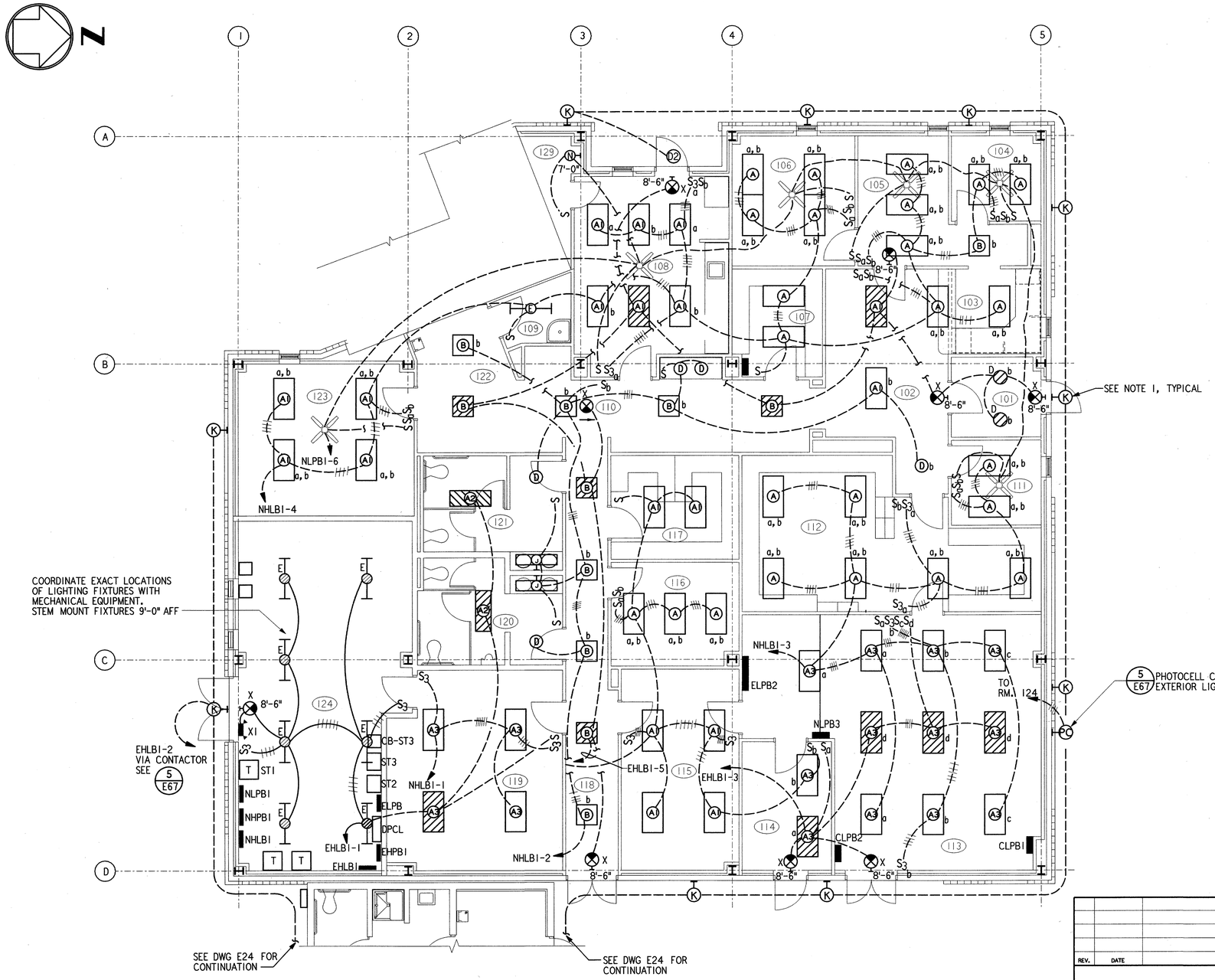
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

LIGHTING PLANS

ADDISON ADDISON AIRPORT TX

REVIEWED BY
SUBMITTED BY m.a. Lakeos 7/18/03
APPROVED BY Johnnie L. White 7/18/03
PROJECT ENGINEER, ANI-630
PLATFORM MANAGER, ANI-630
DESIGNED M. DOERR
DRAWN LTM
CHECKED
ISSUED BY NAS IMPLEMENTATION ANI-600
DATE 06-23-03 JCN 9700164
DRAWING NO ADS-D-ATCT-E022 REV A



FLOOR PLAN BASE BUILDING

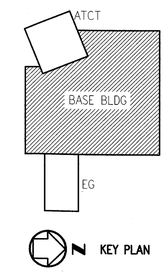
3/16" = 1'-0"

3/16" = 1'-0"

ROOM SCHEDULE	
RM NO	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	STORAGE
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	E/G ROOM
129	CABLE ACCESS ROOM

NOTES:

1. SEE DRAWINGS A10 AND A11 FOR EXACT EXTERIOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.



E23

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

A. K. GHASSEMI 69431 REGISTERED PROFESSIONAL ENGINEER 10/24/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

LIGHTING PLAN
BASE-EG BUILDING

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: T. Nguyen 10/15/01
SYSTEMS ENGINEER, ANI-630

APPROVED: Johnnie L. White 10/15/01
MANAGER INFRASTRUCTURE PLATFORM, ANI-630

DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY
AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER:
ADS-ATCT- E23

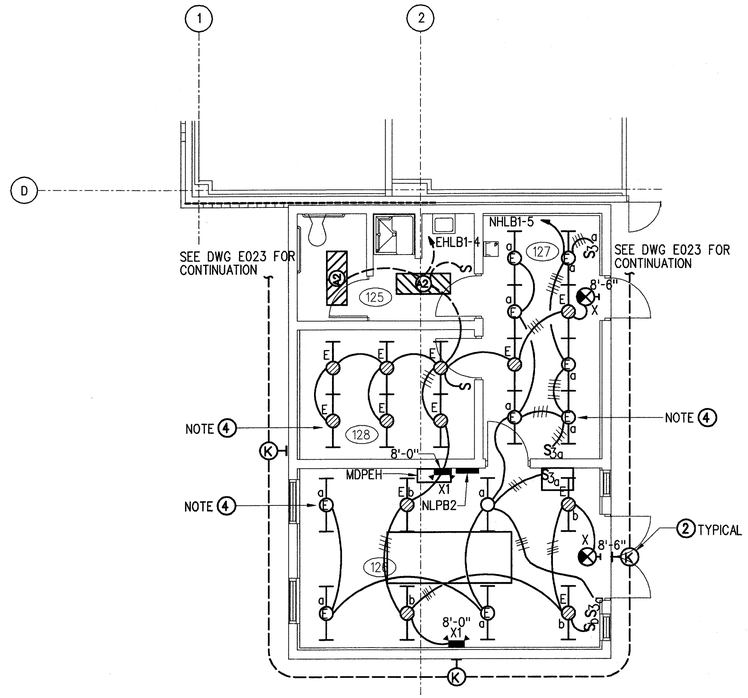
REF. DWG.:

FILENAME:

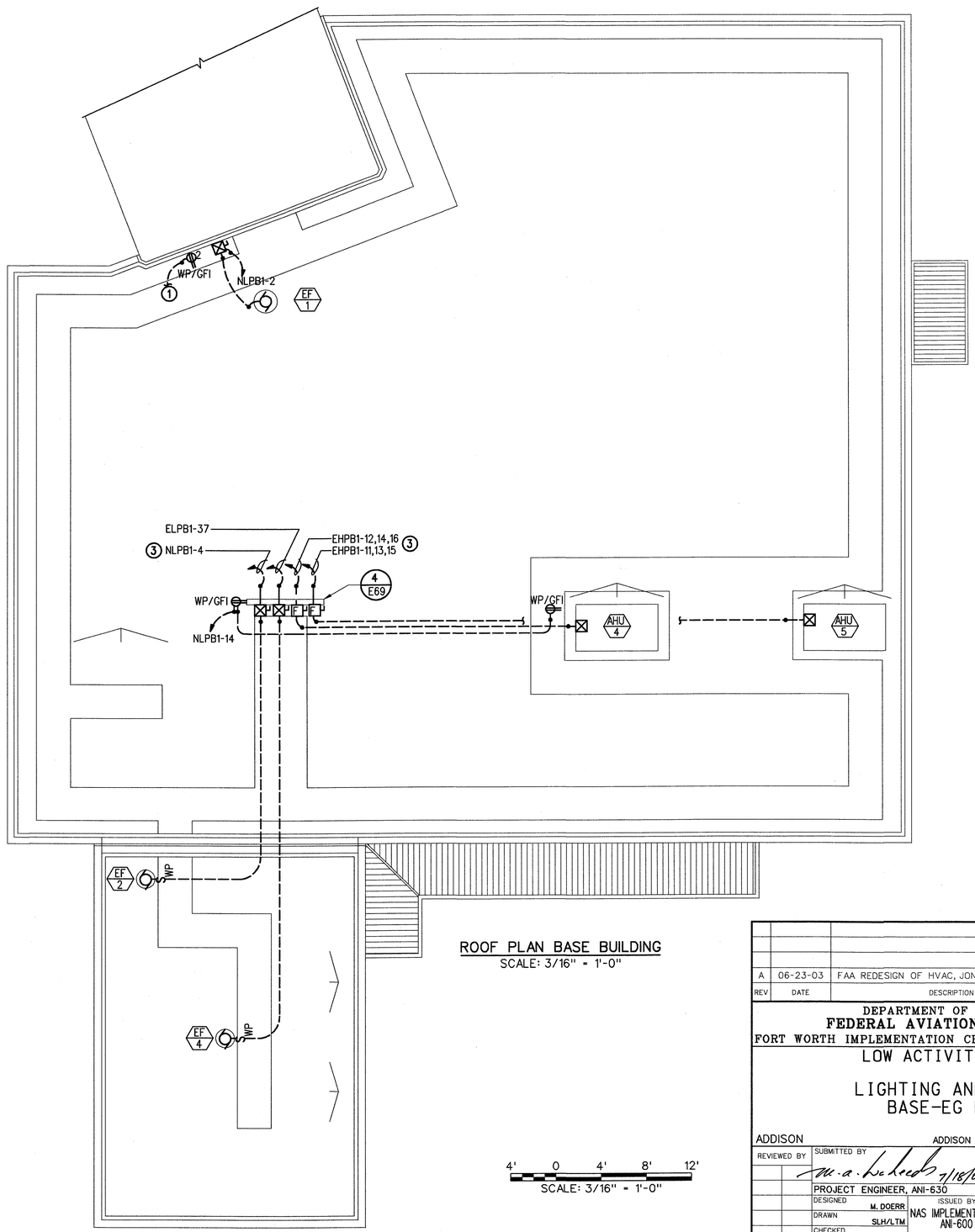
ROOM SCHEDULE	
RM NO.	ROOM NAME
125	TOILET/SHOWER
126	E/G ROOM
127	WORKROOM
128	UPS

NOTES:

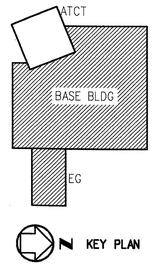
1. DOWN TO RECEPTACLE, SEE DRAWING E013.
2. SEE DRAWINGS A010 AND A011 FOR EXACT EXTERIOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
3. SEE DRAWINGS E041 FOR SIZES OF FEEDERS, SWITCH/STARTER FOR HVAC EQUIPMENT.
4. MOUNT LIGHTING FIXTURES 9'-0" ABOVE FINISHED FLOOR.



PARTIAL FLOOR PLAN BASE BUILDING
SCALE: 3/16" = 1'-0"



ROOF PLAN BASE BUILDING
SCALE: 3/16" = 1'-0"



4' 0 4' 8' 12'
SCALE: 3/16" = 1'-0"

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

LIGHTING AND POWER PLAN BASE-EG BUILDING

ADDISON ADDISON AIRPORT TX

REVIEWED BY	SUBMITTED BY M.a.McLeod 7/15/03	APPROVED BY Johnnie L. Whitted 7/16/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
	DESIGNED M. DOERR	ISSUED BY NAS IMPLEMENTATION ANI-600	DATE 06-23-03 JON 9700164
	DRAWN SLH/LTM		DRAWING NO ADS-D-ATCT-E024 REV A
	CHECKED		

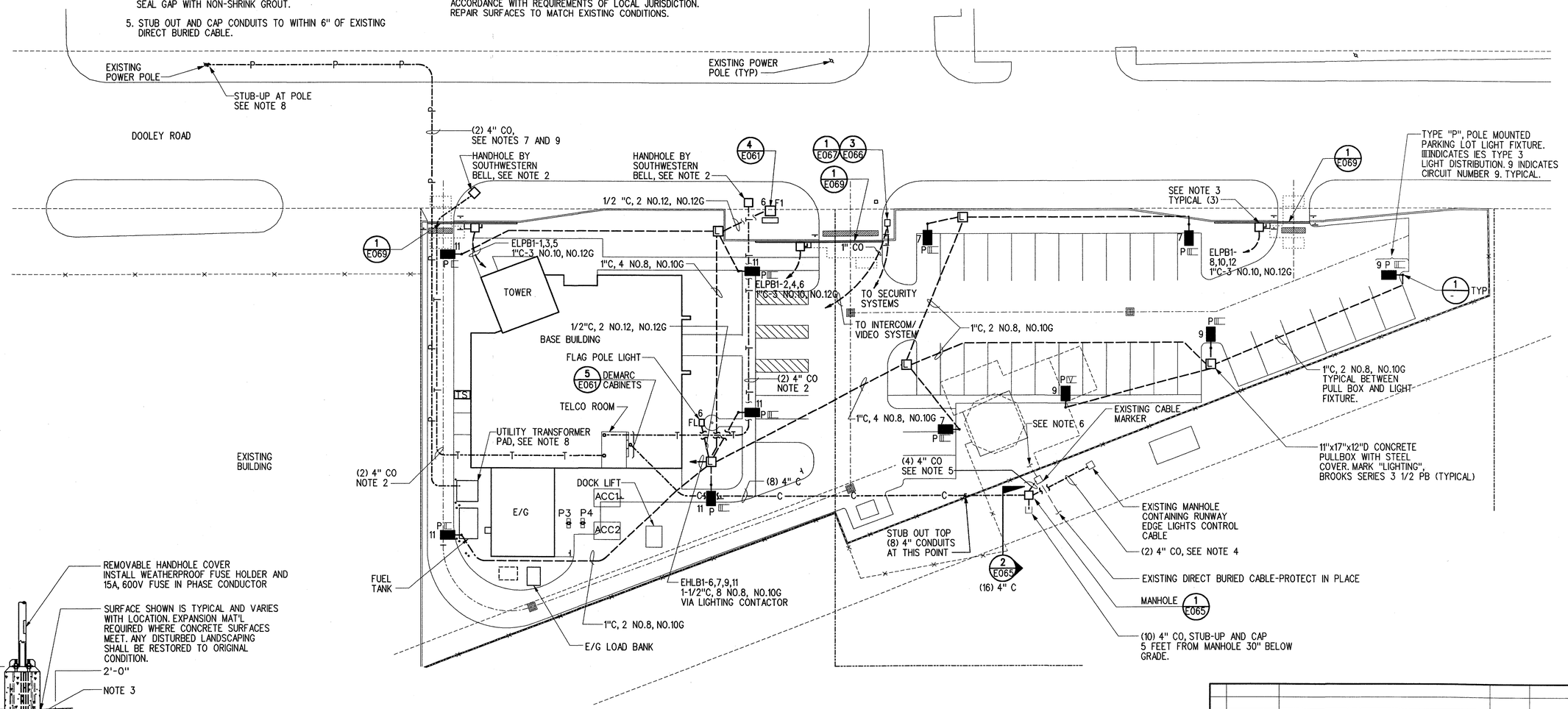
THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

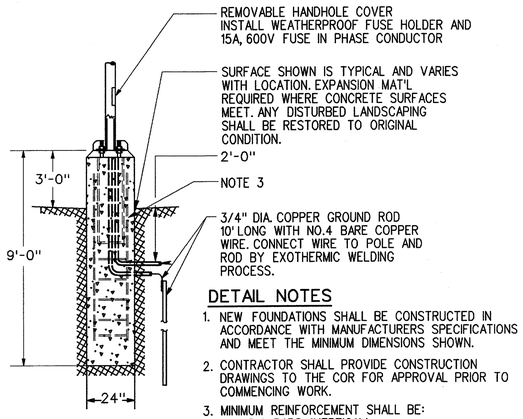
NOTES:

1. ALL LIGHTING SHOWN ON THIS DRAWING SHALL BE SWITCHED BY PHOTOCELL TIME CLOCK. SEE DETAIL 5 DRAWING E067.
2. PROVIDE CONDUITS PER SOUTHWESTERN BELL STANDARDS. CONTACT TIM BEIDELMAN AT (972) 234-7085.
3. 30A, 3P, 240V, NEMA 3R SAFETY SWITCH. CONNECT TO ELECTRIC GATE OPERATOR.
4. CORE DRILL INTO EXISTING MANHOLE AND PROVIDE (2) 4" C. SEAL GAP WITH NON-SHRINK GROUT.
5. STUB OUT AND CAP CONDUITS TO WITHIN 6" OF EXISTING DIRECT BURIED CABLE.
6. EXISTING (4) 4" CONDUITS INTO BUILDING.
7. CONDUIT SHALL BE PVC, ALL BENDS SHALL BE 30" RADIUS PVC COATED RGS.
8. UTILITY TRANSFORMER PAD AND CONDUIT STUB-UP AT POLE SHALL BE INSTALLED PER TU ELECTRIC STANDARDS. CONTACT JOEL PORTER AT (972) 888-1313.
9. PHASE CONSTRUCTION WORK IN DOOLEY ROAD ROW IN ACCORDANCE WITH REQUIREMENTS OF LOCAL JURISDICTION. REPAIR SURFACES TO MATCH EXISTING CONDITIONS.

GENERAL NOTE:

1. SEE DRAWING C005 FOR CONSTRUCTION PHASING.





DETAIL NOTES

1. NEW FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND MEET THE MINIMUM DIMENSIONS SHOWN.
2. CONTRACTOR SHALL PROVIDE CONSTRUCTION DRAWINGS TO THE COR FOR APPROVAL PRIOR TO COMMENCING WORK.
3. MINIMUM REINFORCEMENT SHALL BE:
   4- NO.4 BARS (VERTICAL)
   8- NO.3 BAR HOOPS (HORIZONTAL AT 12" O.C.)

LIGHT POLE STANDARD FOUNDATION DETAIL — 1 / --

20' 0 20' 40'
SCALE: 1" = 20'

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

ELECTRICAL PLOT PLAN

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: M.A. Lucas 7/14/03	APPROVED BY: Johnnie L. White 7/18/03	
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630	
DESIGNED: A. SMITH	ISSUED BY: NAS IMPLEMENTATION ANI-600	DATE: 06-23-03	JCN: 9700164
DRAWN: RR/RBC		DRAWING NO: ADS-D-ATCT-E025	REV: A
CHECKED			

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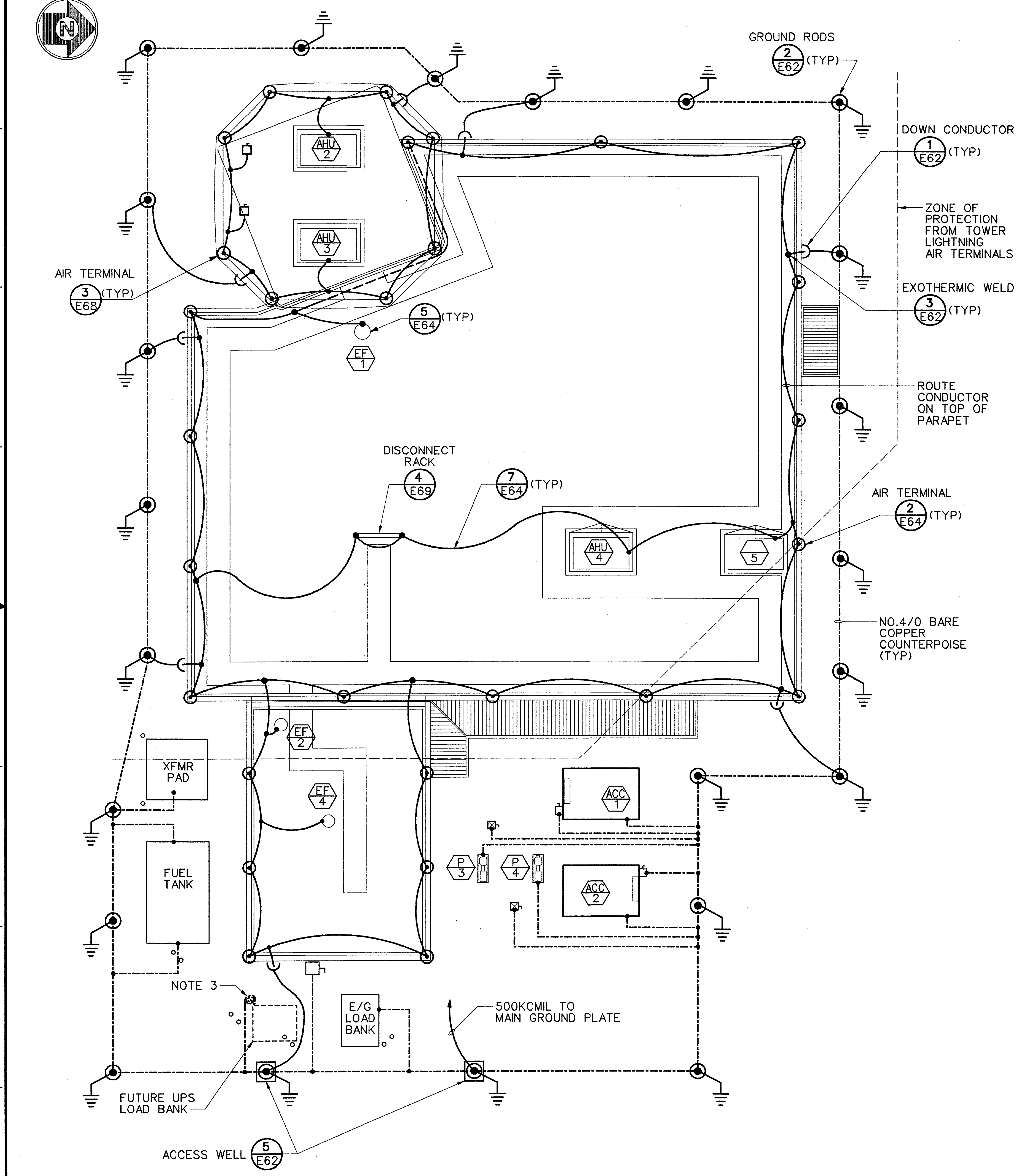
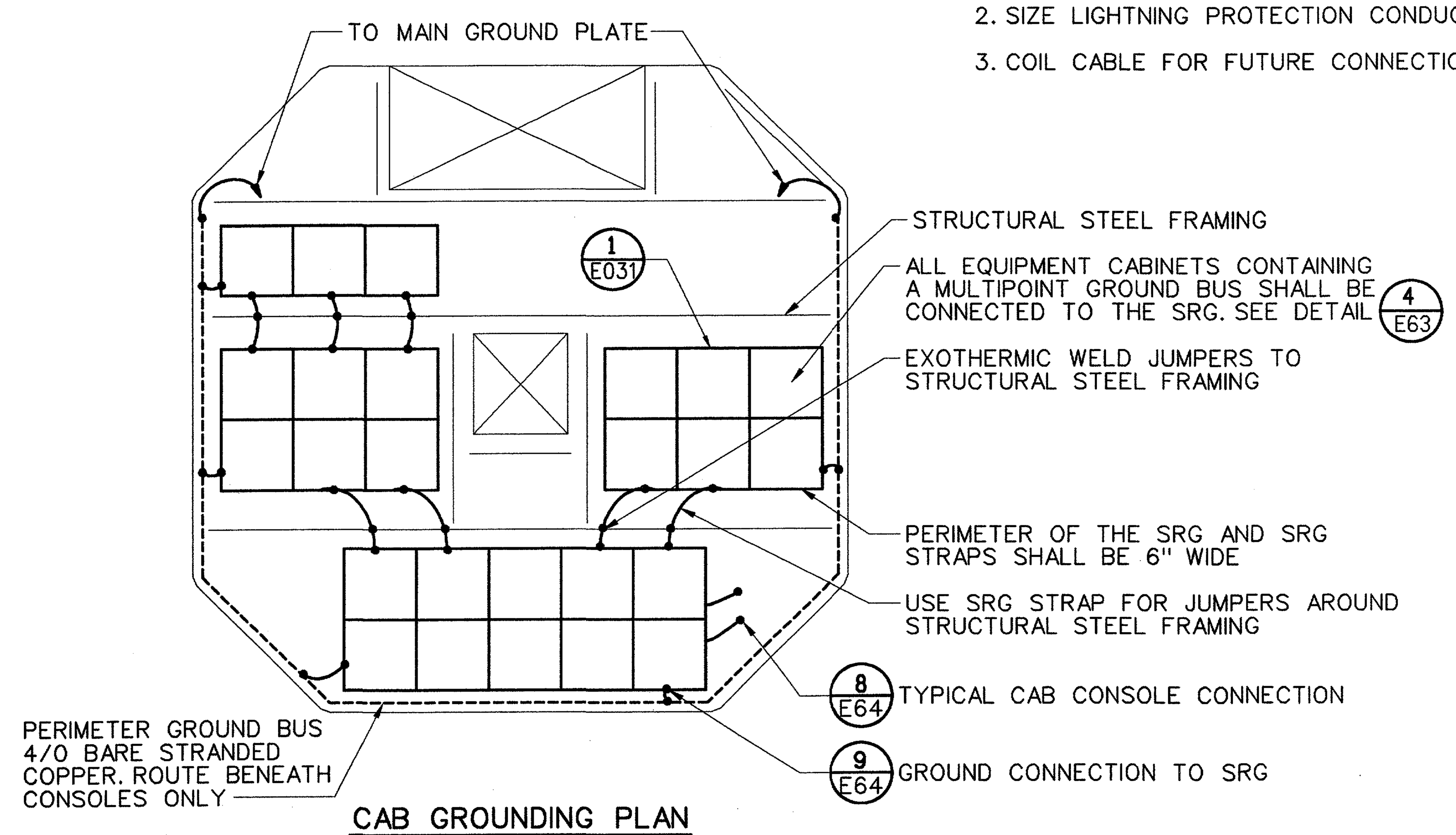
THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

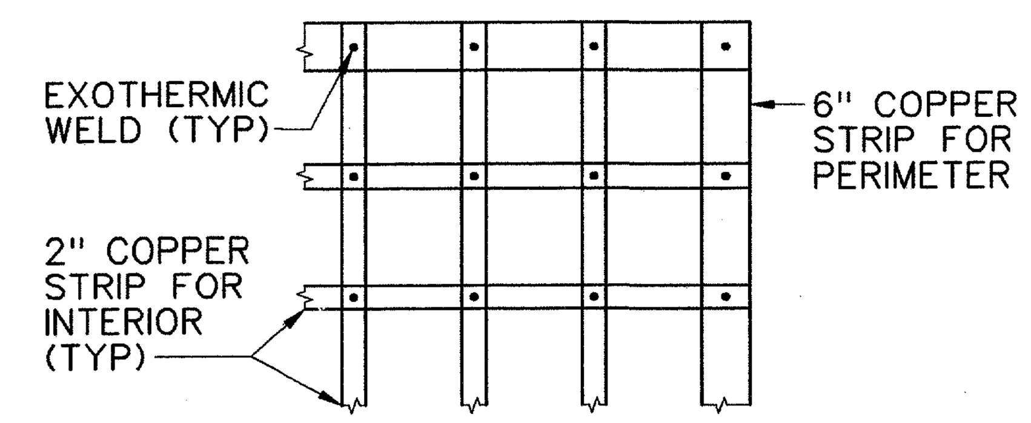


GENERAL NOTES:

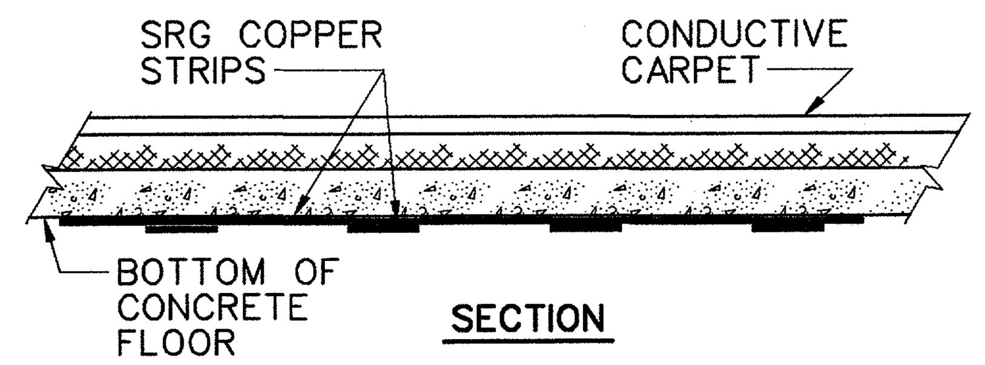
1. FOR INTERCONNECTIONS, SEE SHEET E33, GROUNDING RISER DIAGRAM.
2. SIZE LIGHTNING PROTECTION CONDUCTORS PER SPECIFICATIONS.
3. COIL CABLE FOR FUTURE CONNECTION TO UPS LOAD BANK.



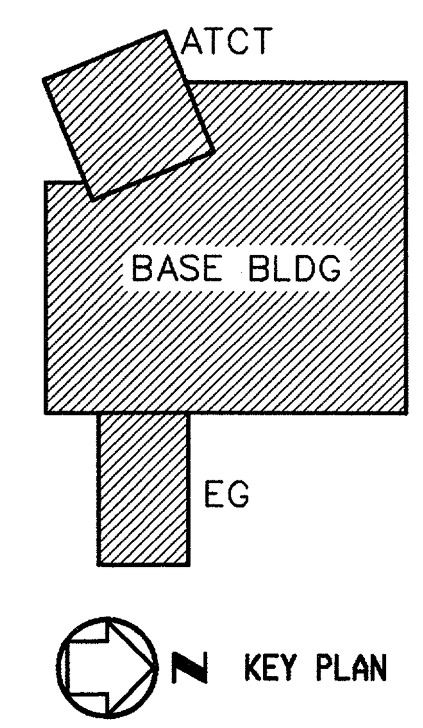
CAB GROUNDING PLAN
SCALE: 1/4" = 1'-0"



PLAN



SECTION



NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

1 E031 SIGNAL REFERENCE GRID (SRG)
NOT TO SCALE

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

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

GROUNDING AND LIGHTNING PROTECTION PLAN ATCT/BASE-EG BUILDING

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY	SUBMITTED BY: M.A. Lukeds 7/18/03 — PROJECT ENGINEER, ANI-630	APPROVED BY: Johnnie L. White 7/18/03 — PLATFORM MANAGER, ANI-630
	DESIGNED A. SMITH; DRAWN R. RUTGER/KS; CHECKED	ISSUED BY NAS IMPLEMENTATION ANI-600
	DATE 06-23-03	JCN 9700164
	DRAWING NO ADS-D-ATCT-E031	REV A

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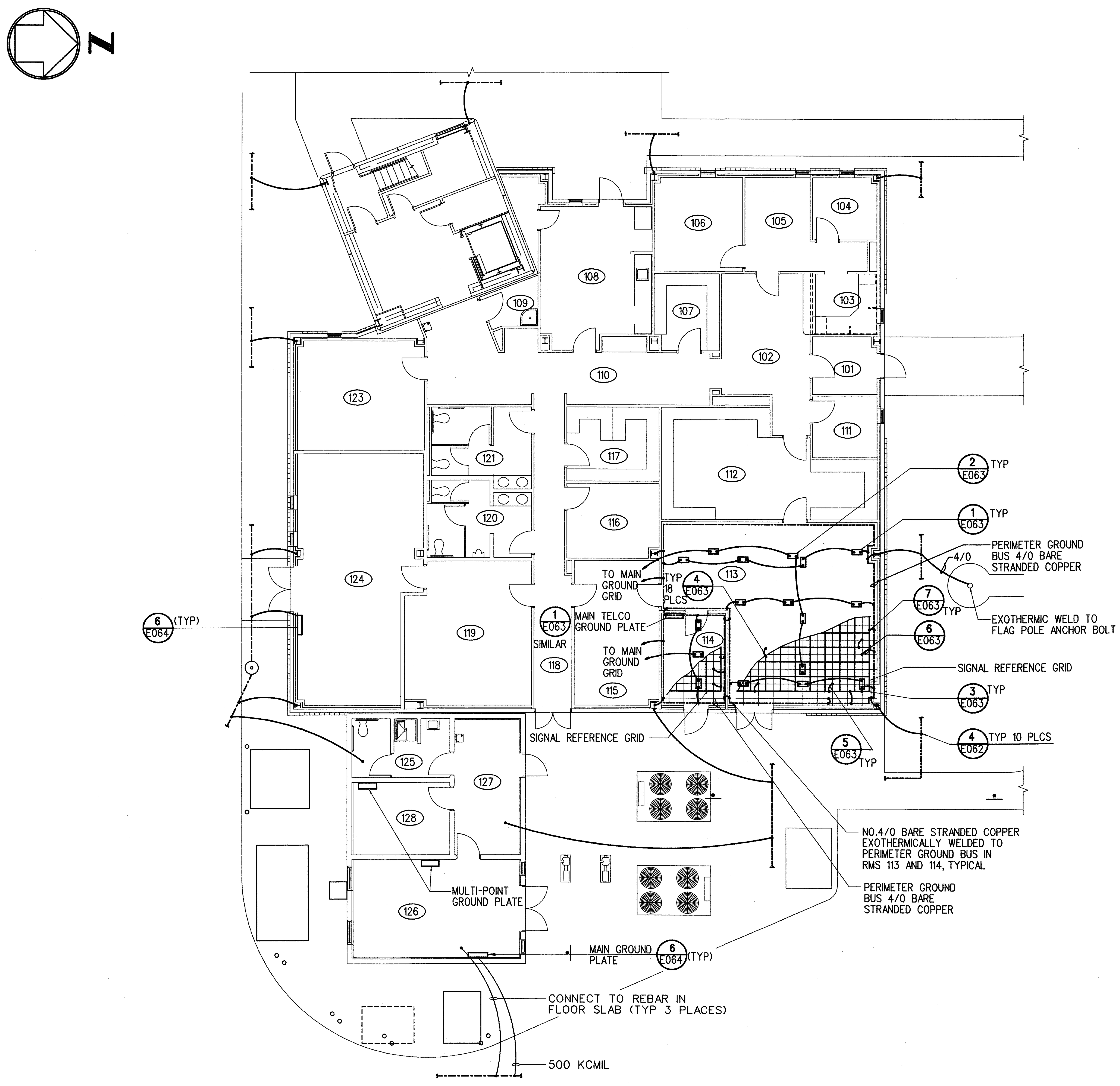
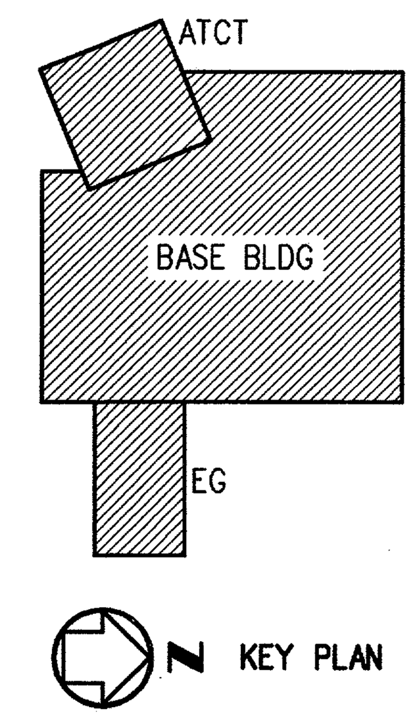


FLOOR PLAN
SCALE: 1/8" = 1' - 0"

ROOM SCHEDULE	
RM NO.	ROOM NAME
101	VESTIBULE
102	LOBBY
103	RECEPTION
104	AT OFFICE
105	QATS
106	TOWER MANAGER
107	MAIL/FAX/COPY ROOM
108	BREAKROOM
109	JAN CLOSET
110	CORRIDOR
111	AF OFFICE
112	RMM/LIS/MMS ROOM
113	ELECTRONIC ROOM
114	TELCO
115	MATERIAL STORAGE
116	AT/AR/CBI TRAINING RM
117	AT/AF STORAGE
118	CORRIDOR
119	ESU SHOP
120	MEN'S TOILET
121	WOMEN'S TOILET
122	LINK
123	AT/AF CONFERENCE RM
124	MECH/ELEC ROOM
125	TOILET/SHOWER
126	E/G ROOM
127	WORKROOM
128	UPS

GENERAL NOTES:

1. FOR WIRE INTERCONNECTIONS, SEE SHEET E033.
2. FOR MULTI-POINT GROUND PLATES IN TOWER, SEE SHEET E011, E012 AND E033.
3. FOR TOWER ROOM SCHEDULE, SEE DWGS E011 AND E012.
4. GROUND ALL DUCTWORK AND PIPING WHERE DUCTWORK AND PIPING ENTER OR LEAVE ROOM 113, SEE DETAIL 6 ON DRAWING E062.
5. GROUND ALL METALLIC CONDUIT ENTERING THROUGH SLAB. SEE DETAIL 7 DRAWING E062.



KEY PLAN

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

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT
GROUNDING PLAN
ATCT/BASE-EG BUILDINGS

ADDISON ADDISON AIRPORT TX

REVIEWED BY
SUBMITTED BY M.A. [signature] 7/18/03
PROJECT ENGINEER, ANI-630
APPROVED BY [signature] 7/18/03
PLATFORM MANAGER, ANI-630
DESIGNED M. DOERR
DRAWN KS
CHECKED
ISSUED BY NAS IMPLEMENTATION ANI-600
DATE 06-23-03 JCN 9700164
DRAWING NO ADS-D-ATCT-E032 REV A

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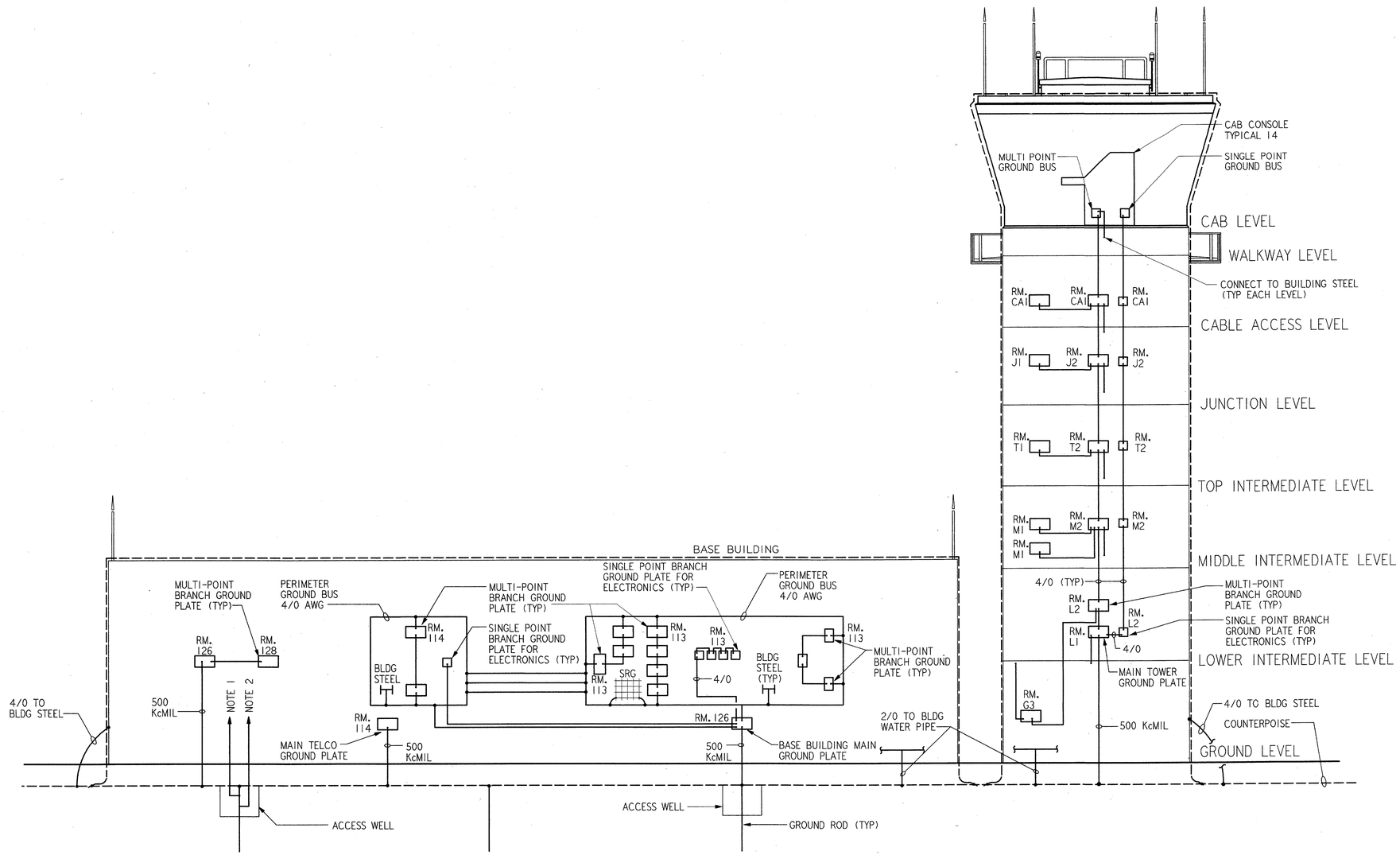

NOTES:

1. 4/0 AWG TO ENGINE GENERATOR
2. 4/0 AWG TO MDPNH.

LIGHTNING PROTECTION AND GROUNDING RISER DIAGRAM

NTS

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

LIGHTNING PROTECTION AND GROUNDING RISER DIAGRAM

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: T. Nguyen 10/15/01 — SYSTEM ENGINEER, ANI-630
APPROVED: Johnnie L. White 10/15/01 — MANAGER INFRASTRUCTURE PLATFORM, ANI-630

DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT-E33

E33

REF. DWG.:

FILENAME:

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

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HVAC AND MOTOR CONTROL SCHEDULE

EQUIPMENT DESIGNATION		MOTOR			STARTER/DISC		WIRE SIZE/CONDUIT	CONTROL DEVICES/ACCESSORIES		CONTROL DIAGRAM NUMBER (NOTE 3)	SEE NOTE
MARK	DESCRIPTION	HP/FLA/KW	VOLT.	PH	TYPE	SIZE		IN STARTER TYPE	REMOTE TYPE		
EF-1	EXHAUST FAN	1/4 HP	120	1	FVNR/WP	1	2 NO.12, NO.12G, 3/4"C			1	
EF-2	EXHAUST FAN	1/60 HP	120	1	FVNR/WP	1	2 NO.12, NO.12G, 3/4"C			1	
EF-3	EXHAUST FAN	49 W	120	1	FVNR	1	2 NO.12, NO.12G, 3/4"C			1	
EF-4	EXHAUST FAN	1/20 HP	120	1	SWITCH	15A	2 NO.12, NO.12G, 3/4"C			1	
UH-1	UNIT HEATER	4KW+1/100 HP	208	1			2 NO.10, NO.12G, 3/4"C			—	
UH-2	UNIT HEATER	4KW+1/100 HP	208	1			2 NO.10, NO.12G, 3/4"C			—	
UH-3	UNIT HEATER	10KW+1/30 HP	480	3			3 NO.12, NO.12G, 3/4"C			—	
ACC-1	AIR COOLED CHILLER	103.6 FLA	480	3	DISC	200/3/NF/3R	3 NO.1/0, NO.6G, 2"C				1
ACC-2	AIR COOLED CHILLER	103.6 FLA	480	3	DISC	200/3/NF/3R	3 NO.1/0, NO.6G, 2"C				1,2
P-3	CHILLED WATER PUMP	10 HP	480	3	FVNR	1/3R	3 NO.10, NO.10G, 3/4"C				1
P-4	CHILLED WATER PUMP	10 HP	480	3	FVNR	1/3R	3 NO.10, NO.10G, 3/4"C				1,2
CRU-1	COMPUTER ROOM UNIT	19.0 FLA	480	3	DISC	30A/3P/F30	3 NO.10, NO.10G, 3/4"C			—	1
CRU-2	COMPUTER ROOM UNIT	19.0 FLA	480	3	DISC	30A/3P/F30	3 NO.10, NO.10G, 3/4"C			—	1,2
EHU-1	ELECTRIC HUMIDIFIER	2.0 KW	208	1			2 NO.12, NO.12G, 3/4"C				6
AHU-1	AIR HANDLING UNIT	7.5 HP	480	3	FVNR	1	3 NO.12, NO.12G, 3/4"C			2	
CRU-3	COMPUTER ROOM UNIT	34.2 FLA	208	1	DISC	60A/2P/F50	2 NO.6, NO.10G, 3/4"C			—	1
CRU-4	COMPUTER ROOM UNIT	34.2 FLA	208	1	DISC	60A/2P/F50	2 NO.6, NO.10G, 3/4"C			—	2
FCU-3	FAN COIL UNIT	27.0 FLA	208	1	DISC	60A/2P/F40	2 NO.8, NO.10G, 3/4"C			—	1
P-1	PUMP-1	1/2 HP	120	1	FVNR	1	2 NO.12, NO.12G, 3/4"C			2 *	
P-2	PUMP-2	1/2 HP	120	1	FVNR	1	2 NO.12, NO.12G, 3/4"C			2 *	2
SPF-1	STAIR PRESSURIZATION FAN	2 HP	480	3	FVNR	1	3 NO.12, NO.12G, 3/4"C			2	1
SVF-1	STAIR VENTILATION FAN	3/4 HP	480	3	FVNR	1	3 NO.12, NO.12G, 3/4"C			2	1
SVF-2	STAIR VENTILATION FAN	1 HP	480	3	FVNR	1	3 NO.12, NO.12G, 3/4"C			2	1
FCU-1	FAN COIL UNIT	27.0 FLA	208	1	DISC	60A/2P/F40	2 NO.8, NO.10G, 3/4"C			—	
FCU-2	FAN COIL UNIT	27.0 FLA	208	1	DISC	60A/2P/F40	2 NO.8, NO.10G, 3/4"C			—	
CV-1	CENTRAL VACUUM-TOWER	3 HP	480	3	DISC	30A/3P/NF	3 NO.12, NO.12G, 3/4"C			3	
CV-2	CENTRAL VACUUM-BASE BLDG	5 HP	480	3	DISC	30A/3P/NF	3 NO.12, NO.12G, 3/4"C			3	
BP-1	BOOSTER PUMP	1/2 HP	480	3	DISC	30A/3P/NF	3 NO.12, NO.12G, 3/4"C			—	1,5
B-1	BOILER		120	1			2 NO.12, NO.12G, 3/4"C				
WH-1	WATER HEATER	1.5KW	208	1			2 NO.12, NO.12G, 3/4"C			—	6
EWC-1	ELEC.WATER COOLER	2.4 FLA	120	1			2 NO.12, NO.12G, 3/4"C			—	6
EWC-2	ELEC.WATER COOLER	2.4 FLA	120	1			2 NO.12, NO.12G, 3/4"C			—	6
EWC-3	ELEC.WATER COOLER	2.4 FLA	120	1			2 NO.12, NO.12G, 3/4"C			—	6
EWC-4	ELEC.WATER COOLER	2.4 FLA	120	1			2 NO.12, NO.12G, 3/4"C			—	6
AHU-2	ROOF TOP A/C	7.5 HP	480	3	DISC	30A/3P/F20/WP	3 NO.12, NO.12G, 3/4"C			—	1
AHU-3	ROOF TOP A/C	7.5 HP	480	3	DISC	30A/3P/F20/WP	3 NO.12, NO.12G, 3/4"C			—	1,2
AHU-4	ROOF TOP A/C	7.5 HP	480	3	DISC	30A/3P/F20/WP	3 NO.12, NO.12G, 3/4"C			—	1
AHU-5	ROOF TOP A/C	7.5 HP	480	3	DISC	30A/3P/F20/WP	3 NO.12, NO.12G, 3/4"C			—	1,2
SP-1	ATCT ELEVATOR PIT	1/2 HP	120	1	RECEPT		2 NO.12, NO.12G, 3/4"C				1,4
VAV-1	VAV FAN POWERED TERM. UNIT	1/4 HP	277	1		INTEGRAL DISC	2 NO.12, NO.12G, 3/4"C			—	
VAV-2	VAV FAN POWERED TERM. UNIT	1/4 HP	277	1		INTEGRAL DISC	2 NO.12, NO.12G, 3/4"C			—	
VAV-3	VAV FAN POWERED TERM. UNIT	1/4 HP	277	1		INTEGRAL DISC	2 NO.12, NO.12G, 3/4"C			—	
VAV-4	VAV FAN POWERED TERM. UNIT	1/4 HP	277	1		INTEGRAL DISC	2 NO.12, NO.12G, 3/4"C			—	
VAV-5	VAV FAN POWERED TERM. UNIT	1/4 HP	277	1		INTEGRAL DISC	2 NO.12, NO.12G, 3/4"C			—	
VAV-6	VAV FAN POWERED TERM. UNIT	1/4 HP	277	1		INTEGRAL DISC	2 NO.12, NO.12G, 3/4"C			—	
VAV-7	VAV FAN POWERED TERM. UNIT	1/4 HP	277	1		INTEGRAL DISC	2 NO.12, NO.12G, 3/4"C			—	
VAV-8	VAV FAN POWERED TERM. UNIT	1/4 HP	277	1		INTEGRAL DISC	2 NO.12, NO.12G, 3/4"C			—	
---	DOCKLIFT HYDRAULIC UNIT	5 HP	480	3	DISC	30A/3P/F15	3 NO.12, NO.12G, 3/4"C			—	
EDH-1	DUCT HEATER	1 KW	277	1			2 NO.12, NO.12G, 3/4"C			—	1
EDH-2	DUCT HEATER	2 KW	480	3			3 NO.12, NO.12G, 3/4"C			—	1
EDH-3	DUCT HEATER	.75 KW	277	1						—	1
EDH-4	DUCT HEATER	18 KW	480	3	DISC	60A/3P/NF/3R	3 NO.8, NO.8G, 1"C			—	1
EDH-5	DUCT HEATER	18 KW	480	3	DISC	60A/3P/NF/3R	3 NO.8, NO.8G, 1"C			—	1,2

* SIMILAR TO CONTROL DIAGRAM 2 EXCEPT SINGLE PHASE

NOTES:

1. ESSENTIAL POWER.
2. REDUNDANT STANDBY UNIT.
3. SEE DRAWING E68 FOR CONTROL DIAGRAMS.
4. FLOAT CONTROLLED SELF CONTAINED UNIT.
5. START/STOP STATION IN ATCT CAB.
6. CONNECT UNIT.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-03-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

MOTOR CONTROL SCHEDULE

ADDISON ADDISON AIRPORT TX

REVIEWED BY | SUBMITTED BY | APPROVED BY

PROJECT ENGINEER, ANI-630 7/18/03 | PLATFORM MANAGER, ANI-630 7/18/03

DESIGNED M. DOERR | DRAWN LTM/SLH | CHECKED | ISSUED BY NAS IMPLEMENTATION ANI-600 | DATE 06-23-03 | JCN 9700164 | DRAWING NO ADS-D-ATCT-E041 | REV A

SWITCHBOARD: MDPNH

BASE BUILDING (NORMAL)

480 VOLT, 3 PHASE, 4 WIRE — FLOOR MOUNT — 600 AMP MCB (NOTE 1) — 65KAIC

CKT	SERVES	KVA	PROTECTIVE DEVICE	TRIP/FUSE AMPS	POLES	CONN. KVA	DEMAND KVA	NOTES:
1	PANEL "MDPEH"		C/B	350	3	282.4	252.2	NOTE 1
2	SPACE			225	3			
3	SPACE			225	3			
4	SPARE		C/B	45	3			
5	PANEL "NHLB1" ("ST5")	30	C/B	45	3	14.1	14.9	
6	PANEL "NHPB1"		C/B	100	3	31.8	15.5	
7	XFMR "ST1" (NLPB1)	45	C/B	70	3	30.5	27.1	
8	PANEL "NHT1"		C/B	100	3	21.5	18.5	
	TOTAL					380.3	328.2	

PANEL: MDPEH

BASE BUILDING (ESSENTIAL)

480 VOLT, 3 PHASE, 3 WIRE — WALL MOUNT — 500 AMP MB (NOTE 1) — 42KAIC

CKT	SERVES	KVA	PROTECTIVE DEVICE	TRIP/FUSE AMPS	POLES	CONN. KVA	DEMAND KVA	NOTES:
1	PANEL "EHPB1"		C/B	100	3	28.4	23.4	
2	XFMR "ST2" (ELPB1)	30	C/B	45	3	25.5	20.5	
3	PANEL "EHLB1" ("ST6")	30	C/B	45	3	16.2	19.1	
4	PANEL "EHT1"		C/B	150	3	70.7	70.7	
5	SPARE		C/B	225	3			
6	SPARE		C/B	100	3			
7	PANEL ELPB2 ("ST7")	30	C/B	45	3	2.0	1.6	
8	PANEL "DCPL"		C/B	100	3			CONNECTED TO THE UPS IN THE FUTURE
9	MAINT. BYPASS		C/B	100	3			
10	UPS INPUT		C/B	100	3	53.2	53.2	INCLUDES UPS LOSSES (FUTURE)
11	ACC-1	86.1	C/B	150	3	86.1	68.9	
12	ACC-2	86.1	C/B	150	3	86.1	68.9	REDUNDANT
13	P-3	11.6	C/B	30	3	11.6	9.3	
14	P-4	11.6	C/B	30	3	11.6	9.3	REDUNDANT
	TOTAL					286.3	266.7	

PANEL: DPCL

BASE BUILDING (CRITICAL)

480 VOLT, 3 PHASE, 3 WIRE — WALL MOUNT — 100 AMP MB — 42KAIC

CKT	SERVES	KVA	PROTECTIVE DEVICE	TRIP/FUSE AMPS	POLES	CONN. KVA	DEMAND KVA	NOTES:
1	XFMR "ST3"	30	C/B	45	3	15.7	15.7	
2	XFMR "ST4"	30	C/B	45	3	15.7	15.7	
3	XFMR "T2"	30	C/B	45	3	7.0	7.0	
4	SPARE		C/B	100	3			
5	UPS (INCOMING)		C/B	100	3			(FUTURE)
	TOTAL					38.4	38.4	

PANEL NO. NLPB4 — **LOCATION** RM. 107 BASE BLDG
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — **MOUNTING** FLUSH
BUS RATING 100(*) AMPS (S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
RCPT RM. 107	1	20	500			1		2	500			1	20	RCPT 109, 122
RCPT RM. 107	1	20		500		3		4		720		1	20	EWC-3
RCPT RM. 107	1	20			500	5		6			1000	1	20	VENDING
RCPT RM. 110, 129	1	20	360			7		8	1080			1	20	RCPT RM 101-103, 112
RCPT RM. 108	1	20		1500		9		10		1080		1	20	RCPT RM 104, 105
RCPT RM. 123	1	20			900	11		12			900	1	20	RCPT RM 102, 106
RCPT RM. 123	1	20	900			13		14	4350				50	RANGE
MICROWAVE	1	20		1500		15		16		4350		2		
DISPOSAL	1	20			1000	17		18				1	20	
KITCHEN RCPT	1	20	1000			19		20				1	20	
KITCHEN RCPT	1	20		1000		21		22				1	20	
STOVE FAN & LTG	1	20			500	23		24				1	20	
KITCHEN RCPT	1	20	1000			25		26	500			1	20	IG RCPT
KITCHEN RCPT	1	20		1000		27		28		500		1	20	IG RCPT
REFRIGERATOR	1	20			1500	29		30			500	1	20	IG RCPT
SPARE	1	20				31		32				1	20	SPARE
SPARE	1	20				33		34				1	20	SPARE
SPARE	1	20				35		36				1	20	SPARE
SPARE	1	20				37		38				1	20	SPARE
SPARE	1	20				39		40				1	20	SPARE
SPARE	1	20				41		42				1	20	SPARE

BUS A 10190 VA
BUS B 12150 VA
BUS C 7700 VA
TOTAL 30,040 VA

MAIN (BREAKER)(LUGS) 100A MCB
CONNECTED LINE AMPS 83
KVA DEMAND 16.1 AMPS DEMAND 44.8

(*) ISOLATED GROUND (IG) BUS FOR ELECTRONIC LOADS

10KAIC

PANEL NO. ELPB2 — **LOCATION** RM 113 BASE BLDG
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — TWO SECTION PANEL — **MOUNTING** SURFACE
BUS RATING 225 AMPS (S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
SPARE	1	20				1		2	1000			2		EHU-1
SPARE	1	20				3		4		1000			20	
SPARE	1	20				5		6				1	20	SPARE
SPARE	1	20				7		8				1	20	SPARE
SPARE	1	20				9		10				1	20	SPARE
SPARE	1	20				11		12				1	20	SPARE
SPARE	1	20				13		14				1	20	SPARE
SPARE	1	20				15		16				1	20	SPARE
SPARE	1	20										1	20	SPARE
SPARE	1	20										1	20	SPARE
SPARE	1	20										1	20	SPARE
SPARE	1	20										1	20	SPARE
SPARE	1	20										1	20	SPARE
SPARE	1	20										1	20	SPARE
SPARE	1	20										1	20	SPARE
SPARE	1	20				73		74				1	20	SPARE
SPARE	1	20				75		76				1	20	SPARE
SPARE	1	20				77		78				1	20	SPARE
SPARE	1	20				79		80				1	20	SPARE
SPARE	1	20				81		82				1	20	SPARE
SPARE	1	20				83		84				1	20	SPARE
TOTALS														

BUS A 1000 VA
BUS B 1000 VA
BUS C VA
TOTAL 2000 VA

MAIN (BREAKER)(LUGS) 100 MB
CONNECTED LINE AMPS 10
KVA DEMAND 2 AMPS DEMAND 10

NOTES:

1. PROVIDE SOLID STATE, GROUND FAULT PROTECTION CIRCUIT BREAKER.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

SCHEDULES

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY
SUBMITTED BY — PROJECT ENGINEER, ANI-630 — 7/18/03
APPROVED BY — PLATFORM MANAGER, ANI-630 — 7/18/03
DESIGNED M. DOERR
DRAWN RR/LB
CHECKED
ISSUED BY NAS IMPLEMENTATION ANI-600
DATE 06-23-03 JCN 9700164
DRAWING NO ADS-D-ATCT-E042
REV A

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

PANEL NO. NHLB1 — **LOCATION** RM 124 BASE BLDG
SERVICE VOLTAGE 480Y/277 ,3PH ,4W VOLTS — **MOUNTING** SURFACE
BUS RATING 100 AMPS.(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
LTG RM 119-121,114,115	1	20	1562			1		2	981			1	20	LTG RM 102,110,118
LTG RM 111-113	1	20		1704		3		4		2485		1	20	LTG RM 103-109,123
LTG RM 126,127	1	20			852	5		6			3749	1	20	VAVS 4-7
SPARE	1	20				7		8	2139			1	20	VAVS 1-3,8
SPARE	1	20				9		10				1	20	SPARE
SPARE	1	20				11		12				1	20	SPARE
TOWER LTG	1	20	600			13		14				1	20	SPARE
SPARE	1	20				15		16				1	20	SPARE
SPARE	1	20				17		18				1	20	SPARE
SPARE	1	20				19		20				1	20	SPARE
SPARE	1	20				21		22				1	20	SPARE
SPARE	1	20				23		24				1	20	SPARE
SPARE	1	20				25		26				1	20	SPARE
SPARE	1	20				27		28				1	20	SPARE
SPARE	1	20				29		30				1	20	SPARE
						31		32						
						33		34						
						35		36						
						37		38						
						39		40						
						41		42						

BUS A 5282 VA
BUS B 4189 VA
BUS C 4601 VA
TOTAL 14072 VA

MAIN (BREAKER)(LUGS) 45A MB
CONNECTED LINE AMPS. 16.9
KVA DEMAND 15 AMPS DEMAND 18

PANEL NO. NLPB1 — **LOCATION** RM 124 BASE BLDG
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — **MOUNTING** SURFACE
BUS RATING 225(*) AMPS.(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
NLPB2	3		2197			1		2	696			1	15	EF-1
				2197		3		4		300		1	15	EF-2
		100			2197	5		6			750	1	20	CEILING FAN RM 108,123
NLPB3	3		0			7		8				1	20	SPARE
				0		9		10				1	20	SPARE
		100			0	11		12				1	20	SPARE
RCPT RM 111-113	1	20	1080			13		14	180			1	20	RCPT ROOF
RCPT RM 112,117	1	20		900		15		16				1	20	SPARE
RCPT RM 116,117	1	20			1080	17		18				1	20	SPARE
NLPB4	3		5379			19		20				1	20	SPARE
				5379		21		22		540		1	20	RCPT RM 120,121
		100			5379	23		24				1	20	SPARE
SPARE	1	20				25		26				1	20	SPARE
SPARE	1	20				27		28				1	20	SPARE
SPACE	1	20				29		30				1	20	SPARE
SPACE	1	20				31		32	1000			1	20	IG RCPT RM 112,116
SPACE	1	20				33		34		750		1	20	IG RCPT RM 112,116
SPACE	1	20				35		36			500	1	20	IG RCPT RM 111,112
SPACE	1	20				37		38				1	20	SPARE
SPACE	1	20				39		40				1	20	SPARE
SPACE	1	20				41		42				1	20	
TOTALS														

BUS A 10532 VA
BUS B 10066 VA
BUS C 9905 VA
TOTAL 30503 VA

MAIN (BREAKER)(LUGS) 150 MCB
CONNECTED LINE AMPS. 84.7
KVA DEMAND 27.1 AMPS DEMAND 75.4

(*) ISOLATED GROUND (IG) BUS FOR ELECTRONIC LOADS.

22 KAIC

PANEL NO. CLPB1 (SIMILAR FOR CLPB2) — **LOCATION** RM 113 BASE BLDG
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — 200% NEUTRAL BUS — **MOUNTING** SURFACE
BUS RATING 225 (*) AMPS.(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
SPARE	1	20				1		2				1	20	SPARE
SPARE	1	20				3		4				1	20	SPARE
SPARE	1	20				5		6				1	20	SPARE
SPARE	1	20				7		8				1	20	SPARE
SPARE	1	20				9		10				1	20	SPARE
SPARE	1	20				11		12				1	20	SPARE
SPARE	1	20				13		14				1	20	SPARE
SPARE	1	20				15		16				1	20	SPARE
SPARE	1	20				17		18				1	20	SPARE
SPARE	1	20				19		20				1	20	SPARE
SPARE	1	20				21		22				1	20	SPARE
SPARE	1	20				23		24				1	20	SPARE
SPARE	1	20				25		26				1	20	SPARE
SPARE	1	20				27		28				1	20	SPARE
SPARE	1	20				29		30				1	20	SPARE
SPARE	1	20				31		32				1	20	SPARE
SPARE	1	20				33		34				1	20	SPARE
SPARE	1	20				35		36				1	20	SPARE
SPARE	1	20				37		38				1	20	SPARE
SPARE	1	20				39		40				1	20	SPARE
SPARE	1	20				41		42				1	20	SPARE
TOTALS														

BUS A 5239 VA
BUS B 5239 VA
BUS C 5239 VA
TOTAL 15717 VA

MAIN (BREAKER)(LUGS) 100 MB
CONNECTED LINE AMPS. 43.6
KVA DEMAND 15.7 AMPS DEMAND 43.6

(*) ISOLATED GROUND (IG) BUS FOR ELECTRONIC LOADS.

PANEL NO. NHPB1 — **LOCATION** RM 124 BASE BLDG
SERVICE VOLTAGE 480V,3PH,3W VOLTS — **MOUNTING** SURFACE
BUS RATING 100 AMPS.(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
SPARE	3					1		2	3050			3		AHU-1
						3		4		3050				
		50				5		6			3050		20	
DOCK LIFT	3		2105			7		8	3333			3		UH-3
				2105		9		10		3333				
		20			2105	11		12			3333		20	
CV-2	3		2103			13		14				3		SPARE
				2103		15		16						
		20			2103	17		18					15	
SPARE	3					19		20				3		SPARE
						21		22						
		20				23		24					15	
SPARE	3					25		26				1	20	SPARE
						27		28				1	20	SPARE
		45				29		30				1	20	SPARE
						31		32						
						33		34						
						35		36						
						37		38						
						39		40						
						41		42						
TOTALS														

BUS A 10,591 VA
BUS B 10,591 VA
BUS C 10,591 VA
TOTAL 31,773 VA

MAIN (BREAKER)(LUGS) 100 MB
CONNECTED LINE AMPS. 38.3
KVA DEMAND 15.5 AMPS DEMAND 18.6

PANEL NO. NLPT1 — **LOCATION** RM M1 TOWER
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — **MOUNTING** SURFACE
BUS RATING 225 AMPS.(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
FCU-1	2		2808			1		2	49			1	15	EF-3
		40		2808		3		4		2000		2		UH-1
FCU-2	2				2808	5		6			2000		30	
		40	2808			7		8	2000			2		UH-2
RCPT TOWER STAIR	1	20		900		9		10		2000			30	
RCPT TOWER STAIR	1	20			720	11		12			750	2		WH-1
RCPT RM G1	1	20	540			13		14	750				15	
RCPT RM G1,G3,ELEV	1	20		540		15		16		720		1	20	RCPT RM L1,T1,J1,M1
CAB ROOF LIGHTS	1	20			300	17		18			900	1	20	RCPT L1,J1,T1,M1,CA1
LTG ELEV PIT	1	20	150			19		20	900			1	20	RCPT CAB CONSOLE
SPARE	1	20				21		22		900		1	20	RCPT CAB CONSOLE
SPARE	1	20				23		24			720	1	20	RCPT CAB CONSOLE
SPARE	2					25		26	900			1	20	RCPT CAB
SPARE		20				27		28		600		1	20	CAB HOIST
SPARE	2					29		30				1	20	SPARE
SPARE		30				31		32				1	20	SPARE
SPARE	2					33		34				1	20	SPARE
SPARE		15				35		36				1	20	SPARE
SPARE	1	20				37		38				1	20	SPARE
SPARE	1	20				39		40				2		SPARE
SPARE	1	20				41		42					20	SPARE
TOTALS														

BUS A 10,905 VA
BUS B 10,469 VA
BUS C 8198 VA
TOTAL 29,571 VA

MAIN (BREAKER)(LUGS) 100 MCB
CONNECTED LINE AMPS. 82.1
KVA DEMAND 17.5 AMPS DEMAND 48.6

PANEL NO. NLPB3 (TESTING ONLY) — **LOCATION** RM 113 BASE BLDG
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — **MOUNTING** SURFACE
BUS RATING 225 AMPS.(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
SPARE	1	20				1		2				1	20	SPARE
SPARE	1	20				3		4				1	20	SPARE
SPARE	1	20				5		6				1	20	SPARE
SPARE	1	20				7		8				1	20	SPARE
SPARE	1	20				9		10				1	20	SPARE
SPARE	1	20				11		12				1	20	SPARE
SPARE	1	20				13		14				1	20	SPARE
SPARE	1	20				15		16				1	20	SPARE
SPARE	1	20				17		18				1	20	SPARE
SPARE	1	20				19		20				1	20	SPARE
SPARE	1	20				21		22				1	20	SPARE
SPARE	1	20				23		24				1	20	SPARE
SPARE	1	20				25		26				1	20	SPARE
SPARE	1	20				27		28				1	20	SPARE
SPARE	1	20				29		30				1	20	SPARE
SPARE	1	20				31		32				1	20	SPARE
SPARE	1	20				33		34				1	20	SPARE
SPARE	1	20				35		36				1	20	SPARE
SPARE	1	20				37		38				1	20	SPARE
SPARE	1	20				39		40				1	20	SPARE
SPARE	1	20				41		42				1	20	SPARE

BUS A
BUS B
BUS C
TOTAL

MAIN (BREAKER)(LUGS) 100A MB
CONNECTED LINE AMPS.
KVA DEMAND AMPS DEMAND

PANEL NO. NHT1 — **LOCATION** RM M1 TOWER
SERVICE VOLTAGE 480V,3PH,3W VOLTS — **MOUNTING** SURFACE
BUS RATING 100 AMPS.(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN.	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
CV-1	3		1330			1		2						SPACE
				1330		3		4						
		15			1330	5		6						
XFMR T-1	3		5830			7		8				3		SPARE
				5830		9		10						
		45			5830	11		12					15	
SPARE	1	20				13		14				3		SPARE
SPARE	1	20				15		16						
SPARE	1	20				17		18					15	
SPARE	3					19		20						SPACE
						21		22						
		50				23		24						
SPARE	3					25		26				1	20	SPARE
SPARE						27		28				1	20	SPARE
SPARE		15				29		30				1	20	SPARE
						31		32						
						33		34						
						35		36						
						37		38						
						39		40						
						41		42						
TOTALS														

BUS A 7160 VA
BUS B 7160 VA
BUS C 7160 VA
TOTAL 21,480 VA

MAIN (BREAKER)(LUGS) 100 MB
CONNECTED LINE AMPS. 25.8
KVA DEMAND 18.5 AMPS DEMAND 22.3

GENERAL NOTES:

1. SEE DRAWINGS E001, E002 AND E003 FOR FEEDER SIZES, SOURCE PANELS AND THE LOCATION OF THE FEEDERS.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

PANEL SCHEDULES

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY — SUBMITTED BY: PROJECT ENGINEER, ANI-630 — APPROVED BY: PLATFORM MANAGER, ANI-630
DESIGNED M. DOERR — DRAWN RR/LB — CHECKED — ISSUED BY: NAS IMPLEMENTATION ANI-600
DATE 06-23-03 — JCN 9700164 — DRAWING NO ADS-D-ATCT-E043 — REV A

m:\ads\atct\active\ads-d-atct-e043-a.dgn
07/17/2003 04:53:39 PM kkam

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM

PANEL NO. EHLB1 — **LOCATION** RM 124 BASE BLDG
SERVICE VOLTAGE 480Y/277 ,3PH ,4W VOLTS — **MOUNTING** SURFACE
BUS RATING 100 AMPS(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
LTG RM 119-121,124	1	20	923			1		2	1000			1	20	LTG EXTERIOR
LTG RM 113,114	1	20		781		3		4		1136		1	20	LTG RM 125-128
LTG RM 102,110,118	1	20			426	5		6			320	1	20	LTG SIGN & FLAG POLE
LTG PARKING LOT	1	20	870			7		8	1750			1	20	EDH-1,3
LTG PARKING LOT	1	20		870		9		10				1	20	SPARE
LTG PARKING LOT	1	20			1160	11		12			990	1	20	HEAT TRACING
LIGHTING TOWER	1	20	2000			13		14				3		
SPARE	1	20				15		16		2000				EDH-2
LIGHTING TOWER	1	20			2000	17		18					20	
SPACE						19		20				1	20	SPARE
SPACE						21		22				1	20	SPARE
SPACE						23		24				1	20	SPARE
SPACE						25		26				1	20	SPARE
SPACE						27		28				1	20	SPARE
SPACE						29		30				1	20	SPARE
						31		32						
						33		34						
						35		36						
						37		38						
						39		40						
						41		42						

BUS A 6543 VA
BUS B 4787 VA
BUS C 4896 VA
TOTAL 16226 VA

MAIN (BREAKER)(LUGS) 45A MB
CONNECTED LINE AMPS. 19.6
KVA DEMAND 19.1 AMPS DEMAND 23

PANEL NO. EHT1 — **LOCATION** RM M1 TOWER
SERVICE VOLTAGE 480Y, 3PH, 3W VOLTS — **MOUNTING** SURFACE
BUS RATING 225 AMPS(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
AHU-3	3		3050			1		2	3050			3		AHU-2
				3050		3		4		3050				
		20			3050	5		6			3050		20	
ELEVATOR	3		7756			7		8	305			3		BP-1
				7756		9		10		305				
		70			7756	11		12			305		15	
XFMR T3	3		6748			13		14	941			3		SPF-1
				6748		15		16		941				
		70			6748	17		18			941		15	
SVF-2	3		582			19		20	443			3		SVF-1
				582		21		22		443				
		15			582	23		24			443		15	
SPACE	1	20				25		26				1	20	SPACE
SPACE	1	20				27		28				1	20	SPACE
SPACE	1	20				29		30				1	20	SPACE
SPARE	3					31		32				3		SPARE
						33		34						
		15				35		36					70	
EDH-4	3					37		38				3		EDH-5 *
						39		40						
		40				41		42					40	
TOTALS														

BUS A 19825 VA
BUS B 19825 VA
BUS C 19825 VA
TOTAL 59475 VA

MAIN (BREAKER)(LUGS) 150 MCB
CONNECTED LINE AMPS. 71.6
KVA DEMAND 56.3 AMPS DEMAND 67.8

(*) REDUNDANT LOAD

PANEL NO. NLPB2 — **LOCATION** E/G RM BASE BLDG
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — **MOUNTING** SURFACE
BUS RATING 100 AMPS(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
RCPT RM 124,119	1	20	1080			1		2	720			1	20	RCPT RM 115,118
RCPT RM 119,124	1	20		1080		3		4		540		1	20	RCPT RM 113-115
RCPT RM 119	1	20			900	5		6			540	1	20	RCPT RM 113
SPARE	1	15				7		8				1	20	
E/G BATT CHGR	1	20		500		9		10				1	20	
E/G BLOCK HEATER	2				1250	11		12			720	1	20	RCPT RM 124
		20	1250			13		14	1176			1	20	P-1
P-2 *	1	20		1176		15		16				1	20	SPARE
SPARE	1	20				17		18				1	20	SPARE
RCPT RM 128	1	20	720			19		20				1	20	SPARE
RCPT RM 127	1	20		900		21		22				1	20	SPARE
RCPT RM 127	1	20			720	23		24				1	20	SPARE
SPARE	2					25		26				1	20	SPARE
		20				27		28				1	20	SPARE
SPARE	1	15				29		30				1	20	SPARE
						31		32						
						33		34						
						35		36						
						37		38						
						39		40						
						41		42						
TOTALS														

BUS A 5666 VA
BUS B 3020 VA
BUS C 3310 VA
TOTAL 11996 VA

MAIN (BREAKER)(LUGS) 100 MCB
CONNECTED LINE AMPS. 33.3
KVA DEMAND 6.6 AMPS DEMAND 18.3

(*) REDUNDANT LOAD

PANEL NO. EHPB1 — **LOCATION** RM 124 BASE BLDG
SERVICE VOLTAGE 480V ,3PH ,3W VOLTS — **MOUNTING** SURFACE
BUS RATING 225 AMPS(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
CRU-2 *	3		5263			1		2	5263			3		CRU-1
				5263		3		4		5263				
		30			5263	5		6			5263		30	
SPARE	2					7		8				2		SPARE
		15				9		10					15	
AHU-5	3				3050	11		12			3050	3		AHU-4
			3050			13		14	3050					
		20		3050		15		16		3050			20	
SPARE	3					17		18				3		SPARE
						19		20						
		15				21		22					15	
SPARE	2					23		24				3		SPARE
		15				25		26						
SPARE	2					27		28					15	
		15				29		30				2		SPARE
SPARE	3					31		32					15	
						33		34				2		SPARE
		15				35		36					40	SPARE
SPARE	3					37		38				2		SPARE
						39		40					15	SPARE
		40				41		42				1	20	SPACE
TOTALS														

BUS A 8313 VA
BUS B 8313 VA
BUS C 8313 VA
TOTAL 24939 VA

MAIN (BREAKER)(LUGS) 100 MCB
CONNECTED LINE AMPS. 30.0
KVA DEMAND 23.4 AMPS DEMAND 28.2

(*) REDUNDANT LOAD

PANEL NO. ELPT1 — **LOCATION** RM M1 TOWER
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — **MOUNTING** SURFACE
BUS RATING 225 AMPS(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
SPARE	3					1		2	3557			2		CRU-3
						3		4		3557			50	
		30				5		6			500	1	20	OBSTRUCTION LTG
RCPT SP-1 ELEV PIT	1	20	1176			7		8	720			1	20	RCPT CAB CONSOLE
CAB DOWN LTG AND FAN	1	20		1050		9		10		720		1	20	RCPT CAB CONSOLE
CAB TRACK LTG	1	20			900	11		12			720	1	20	RCPT CAB CONSOLE
DDCP	1	20	200			13		14	720			1	20	RCPT CAB CONSOLE
RESERVED FOR	1	20		500		15		16		720		1	20	RCPT CAB CONSOLE
TOWER SECURITY	1	20			500	17		18			720	1	20	RCPT CAB CONSOLE
SYSTEM COMPONENTS	1	20	500			19		20	720			1	20	RCPT CAB CONSOLE
FCU-3	2			2808		21		22		300		1	20	LTG RM G3
		40			2808	23		24			300	1	20	WINDOW SHADES
SPARE	3					25		26	300			1	20	ELEV CAB
						27		28				1	20	SPARE
		20				29		30			1500	1	20	HVAC CONTROLS
SPARE	3					31		32				1	20	SPARE
						33		34				1	20	SPARE
		30				35		36				1	20	SPARE
CRU-4	2		(3557)			37		38				1	20	SPARE
		50		(3557)		39		40				1	20	SPARE
SPARE	1	20				41		42				1	20	SPARE
TOTALS														

BUS A 7893 VA
BUS B 9655 VA
BUS C 7948 VA
TOTAL 25496 VA

MAIN (BREAKER)(LUGS) 150 MCB AND FEED-THRU LUGS
CONNECTED LINE AMPS 71
KVA DEMAND 20.2 AMPS DEMAND 56.3

22KAIC

PANEL NO. CLPT1 — **LOCATION** RM T1 TOWER
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — 200% NEUTRAL BUS — **MOUNTING** SURFACE
BUS RATING 225 * AMPS(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
RCPT CAB CONSOLE	1	20	1000			1		2	1000			1	20	RCPT CAB CONSOLE
RCPT CAB CONSOLE	1	20		1000		3		4		1000		1	20	RCPT CAB CONSOLE
RCPT CAB CONSOLE	1	20			1000	5		6			1000	1	20	RCPT CAB CONSOLE
RCPT CAB CONSOLE	1	20	1000			7		8				1	20	SPARE
SPARE	1	20				9		10				1	20	SPARE
SPARE	1	20				11		12				1	20	SPARE
SPARE	1	20				13		14				1	20	SPARE
SPARE	1	20				15		16				1	20	SPARE
SPARE	1	20				17		18				1	20	SPARE
SPARE	1	20				19		20				1	20	SPARE
SPARE	1	20				21		22				1	20	SPARE
SPARE	1	20				23		24				1	20	SPARE
SPARE	1	20				25		26				1	20	SPARE
SPARE	1	20				27		28				1	20	SPARE
SPARE	1	20				29		30				1	20	SPARE
SPACE						31		32						SPACE
SPACE						33		34						SPACE
SPACE						35		36						SPACE
SPACE						37		38						SPACE
SPACE						39		40						SPACE
SPACE						41		42						SPACE

BUS A 3000 VA
BUS B 2000 VA
BUS C 2000 VA
TOTAL 7000 VA

MAIN (BREAKER)(LUGS) 100 MB
CONNECTED LINE AMPS. 19.4
KVA DEMAND 7.0 AMPS DEMAND 19.4

(*) ISOLATED GROUND BUS FOR ELECTRONIC LOADS

PANEL NO. ELPB1 — **LOCATION** RM 124 BASE BLDG
SERVICE VOLTAGE 208Y/120 ,3PH ,4W VOLTS — **MOUNTING** SURFACE
BUS RATING 225 * AMPS(S/N)

DESCRIPTION	BREAKER POLE	BREAKER AMP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	CIRCUIT NO.	BUS CONN	CIRCUIT NO.	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	BREAKER POLE	BREAKER AMP	DESCRIPTION
GATE CONTROLLER	3		1325			1		2	1325			3		GATE CONTROLLER
				1325		3		4		1325				
		30			1325	5		6			1325		30	
E/G CONTROLS	1	20	500			7		8	1325			3		GATE CONTROLLER
E/G LOAD BANK CNTLS	1	20		500		9		10		1325				
RCPT RM 126	1	20			720	11		12			1325		30	
LTG CONTROLS	1	20	500			13		14	360			1	20	RCPT UPS 128
SECURITY SYSTEM ACC	1	20		500		15		16		500		1	20	RCPT TELCO RM 114
DDC SYSTEM CTRL	1	20			500	17		18			500	1	20	RCPT TELCO RM 114
FACP	1	20	500			19		20	500			1	20	RCPT TELCO RM 114
(CAMERAS)	1	20		500		21		22		500		1	20	RCPT TELCO RM 114
RESERVED FOR (MON)	1	20			500	23		24			500	1	20	RCPT TELCO RM 114
SECURITY SYSTEMMON)	1	20	500			25		26	250			2		RCPT TELCO RM 114
COMPONENTS	1	20		500		27		28		250			30	
BASE BUILDING	1	20			500	29		30			500	1	20	DDC SYSTEM CONTROL
	1	20	500			31		32	1500			1	20	HVAC CONTROLS
DDCP	1	20		500		33		34		250		2		RCPT TELCO RM 114
FA ANN	1	20			500	35		36			250		30	
EF-4	1	20	300			37		38				3		SPARE
SPARE	1	20				39		40						
SPARE	1	20				41		42					30	
TOTALS														

BUS A 9385 VA
BUS B 7975 VA
BUS C 8445 VA
TOTAL 25805 VA

MAIN (BREAKER)(LUGS) 100MCB
CONNECTED LINE AMPS. 71.7
KVA DEMAND 20.53 AMPS DEMAND 57

* ISOLATED GROUND (IG) BUS FOR ELECTRONIC LOADS

GENERAL NOTES:

1. SEE DRAWINGS ADS-D-ATCT-E001, ADS-D-ATCT-E002 AND ADS-D-ATCT-E003 FOR FEEDER SIZES, SOURCE PANELS AND THE LOCATION OF THE FEEDERS.

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

LOW ACTIVITY LEVEL ATCT

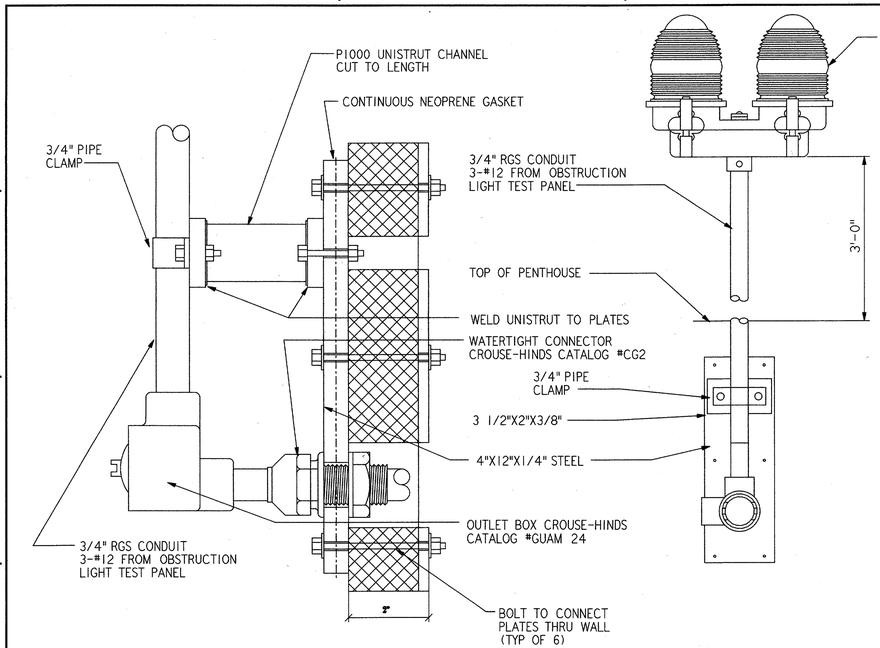
PANEL SCHEDULES

ADDISON — ADDISON AIRPORT — TX

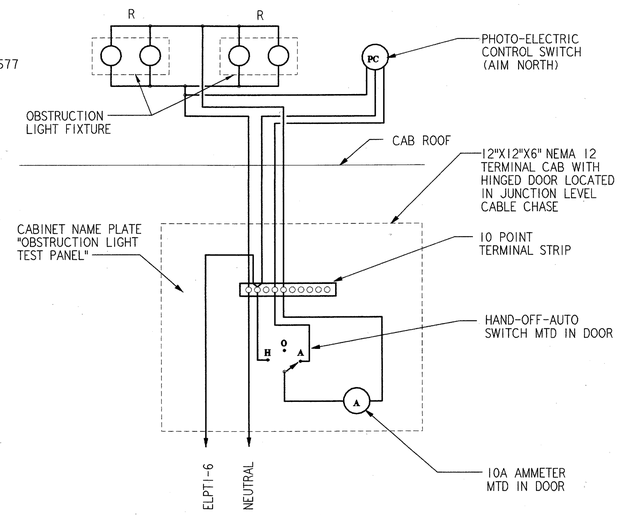
REVIEWED BY	SUBMITTED BY	APPROVED BY
	PROJECT ENGINEER, ANI-630	PLATFORM MANAGER, ANI-630

DESIGNED	ISSUED BY	DATE	JCN
M. DOERR	NAS IMPLEMENTATION ANI-600	06-23-03	9700164
DRAWN SLH		DRAWING NO	REV
CHECKED		ADS-D-ATCT-E044	A

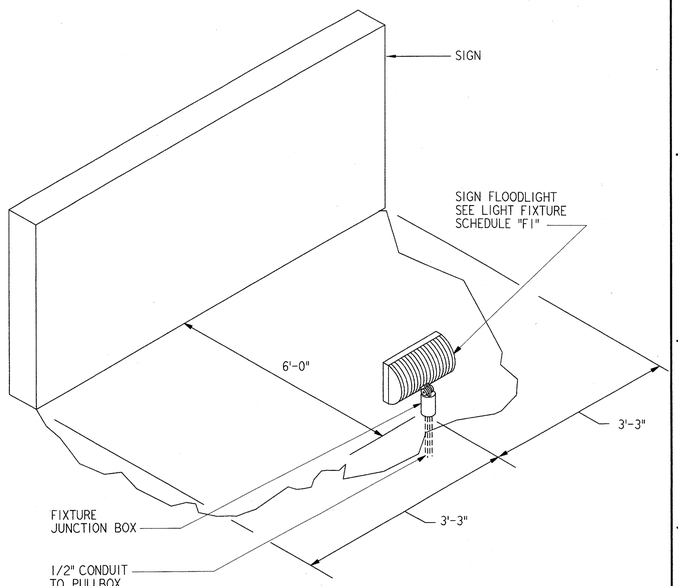
m:\ads\atct\active\ads-d-atct-e044-a.dgn
07/17/2003 04:53:41 PM ksorn



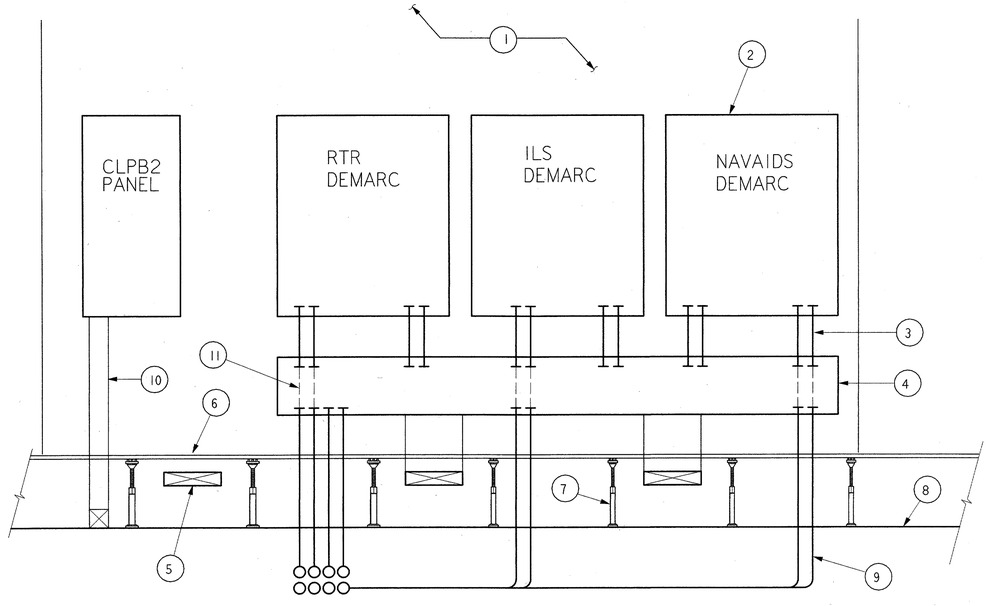
OBSTRUCTION LIGHT MOUNTING DETAIL — 1 / E61 — REF E22
NTS



OBSTRUCTION LIGHT TEST PANEL — 2 / E61 — REF E22
NTS



SIGN LIGHTING DETAIL — 4 / E61 — REF E25
NTS



DEMARC CABINET DETAILS — 5 / E61 — REF E13, E14, E15, E25
NTS

SPECIAL NOTES:

1. WALL
2. 42" H x 36" W x 9" D NEMA 1 ENCLOSURE. HOFFMAN NO. A-42N3609 WITH "T" HANDLE LATCH AND 3/4" PLYWOOD BACKBOARD (TYP. OF 3)
3. 4" CONDUIT (TYP. OF 12)
4. 12" x 12" NEMA 1 WIREWAY WITH HINGED COVER. (HINGE ON BOTTOM)
5. 12" CABLE TRAY (TYP. OF 3)
6. TOP OF RAISED FLOOR
7. RAISED FLOOR PEDESTAL
8. CONCRETE SLAB
9. (8) 4" CONDUITS TO MANHOLE
10. 4" SQUARE DUCT
11. ALIGN CONDUITS IN TOP AND BOTTOM OF WIREWAY AS INDICATED (TYP. 6 PLACES)

E61

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. M. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 9/12/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ELECTRICAL DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/15/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/16/01

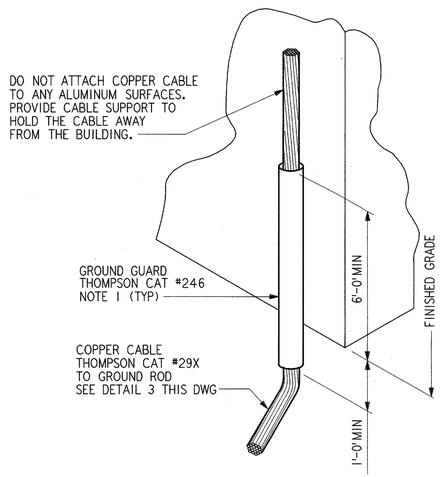
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

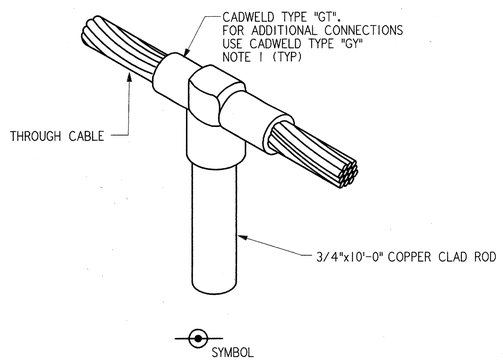
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- E61

REF. DWG.:

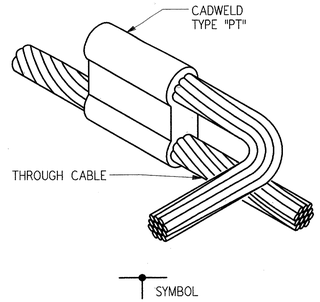
FILENAME:



DETAIL 1 / E62 — REF E31
NTS



GROUND ROD DETAIL 2 / E62 — REF E31, E69
NTS



DETAIL 3 / E62 — REF E31
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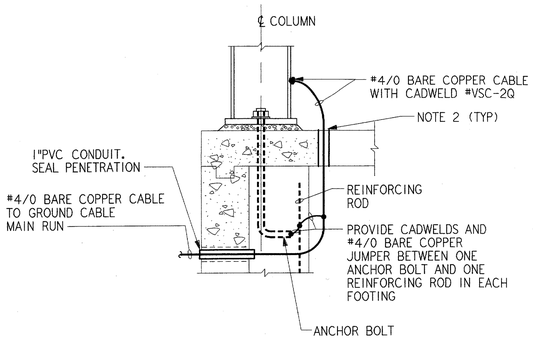
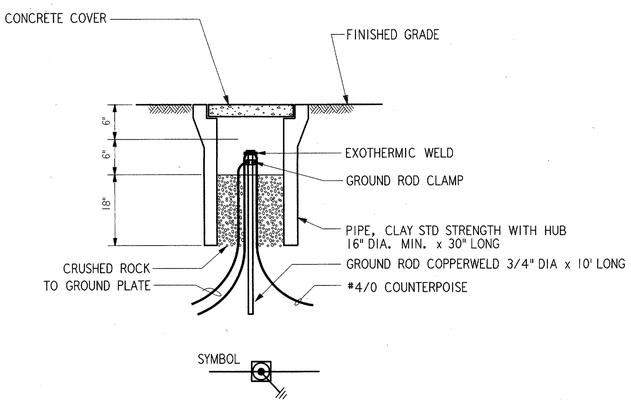
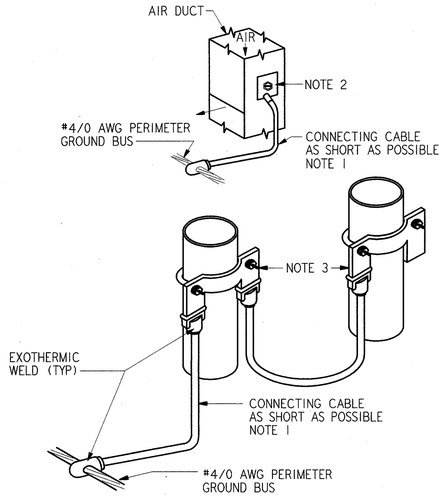


DETAIL 4 / E62 — REF E32
NTS



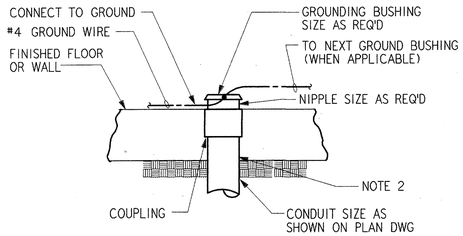
ACCESS WELL DETAIL 5 / E62 — REF E31
NTS



NOTES:

1. #6 AWG GREEN WITH ORANGE TRACER INSULATED COPPER CABLE BONDED TO PERIMETER GROUND BUS AND GROUND LUG VIA EXOTHERMIC WELD.
2. ONE HOLE COPPER GROUND LUG. TREAT CONTACT SURFACE WITH AN OXIDE INHIBITING CONDUCTIVE GREASE.
3. PIPE CLAMP TO BE SIZED TO THE PIPE DIAMETER AND ALL BOLTED CONTACT SURFACES TO BE TREATED WITH AN OXIDE INHIBITING CONDUCTIVE GREASE.

GROUND CONNECTION TO MECHANICAL EQUIPMENT 6 / E62 — REF E32
NTS



TYPICAL CONDUIT STUB-UP BONDING DETAIL 7 / E62 — REF E32
NTS

GENERAL NOTES:

1. CADWELD OR THOMPSON CATALOG NUMBERS ARE INDICATIVE OF TYPE OR APPROVED EQUAL.
2. ALL CONDUITS AND SLEEVES PENETRATING FLOORS SHALL BE INSTALLED USING WATERPROOFING TREATMENT AND MATERIALS TO PREVENT MOISTURE SEEPAGE PAST THE CONDUIT OR SEAL.

E62

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. J. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

GROUNDING AND LIGHTNING PROTECTION DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/15/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/15/01

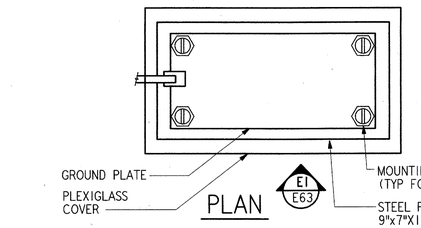
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

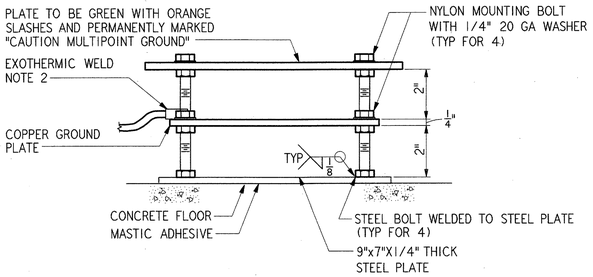
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- E62

REF. DWG.:

FILENAME:



PLAN



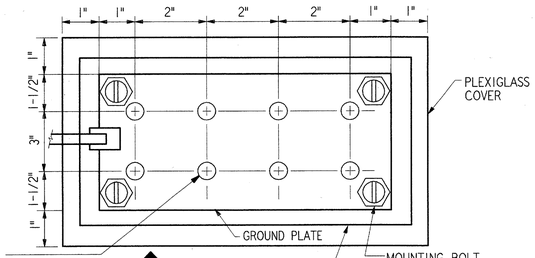
ELEVATION E1 E63

NOTES:

1. REMOVE ALL BURRS AND SHARP EDGES.
2. GROUND CABLE IS SHOWN ON ONE END OF GROUND PLATE. INSTALL CABLE ON BOTH ENDS OF GROUND PLATE WHEN SHOWN ON PLANS OR RISER DIAGRAM.

MULTIPOINT GROUND PLATE DETAIL

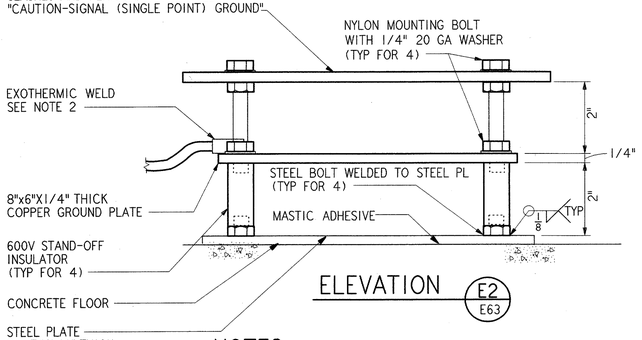
NTS — 1 / E63 — REF E32



1/4" PLEXIGLASS COVER PLATE TO BE GREEN WITH YELLOW SLASHES AND PERMANENTLY MARKED "CAUTION-SIGNAL (SINGLE POINT) GROUND"

E2 E63

PLAN
NOT TO SCALE



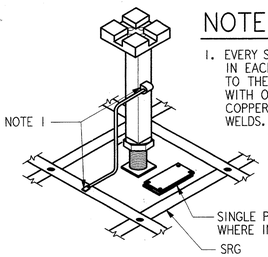
ELEVATION E2 E63

NOTES:

1. REMOVE ALL BURRS AND SHARP EDGES.
2. GROUND CABLE IS SHOWN ON ONE END OF GROUND PLATE. INSTALL CABLE ON BOTH ENDS OF GROUND PLATE WHEN SHOWN ON PLANS OR RISER DIAGRAM.

SIGNAL (SINGLE POINT) GROUND PLATE

NOT TO SCALE — 2 / E63 — REF E32

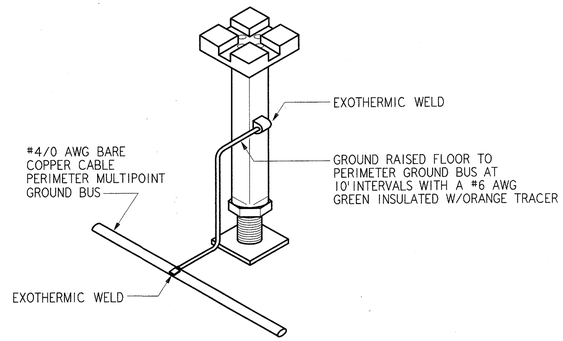


NOTE:

1. EVERY SIXTH RAISED FLOOR PEDESTAL IN EACH DIRECTION SHALL BE BONDED TO THE SRG USING A #6 AWG GREEN WITH ORANGE TRACER INSULATED COPPER CABLE AND EXOTHERMIC WELDS.

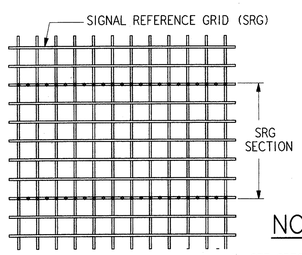
EQUIPMENT RM RAISED FLR PEDESTAL GRND

NTS — 5 / E63 — REF E32



RAISED FLOOR PEDESTAL GROUNDING

NOT TO SCALE — 6 / E63 — REF E32

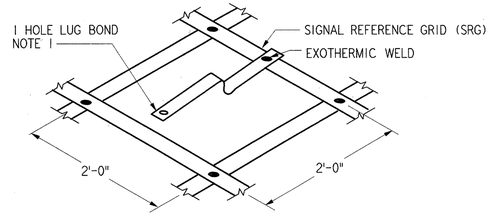


NOTES:

1. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.
2. WHERE ONE ROLL OF GRID IS LAID NEXT TO ANOTHER, THE OUTER EDGES OF THE ROLLS SHALL OVERLAP TO FORM A SINGLE STRIP AND SHALL BE EXOTHERMICALLY WELDED TOGETHER AT 1 FOOT INTERVALS.

SRG GRID TO GRID CONNECTION

NTS — 3 / E63 — REF E32

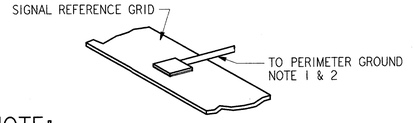


NOTES:

1. LUG BOND SHALL BE 26 GAGE x 2" x 48" LONG COPPER STRIP WITH (1) 5/16 " HOLE IN THE TERMINAL END. COPPER STRIP SHALL BE 40481 CIRCULAR MLS (MIN) IN CROSS SECTION A MAXIMUM RESISTANCE OF 23 OHMS AT 20 MHZ FOR A 12" LENGTH.

EQUIPMENT LUG BOND DETAIL

NTS — 4 / E63 — REF E32



NOTE:

1. #6 AWG GREEN WITH ORANGE TRACER INSULATED COPPER CABLE SHALL BE BONDED TO THE SRG USING EXOTHERMIC WELD. THE CABLE SHALL TAKE THE SHORTEST PATH TO THE SRG WITH LENGTH NOT EXCEEDING 4 FEET.
2. CONNECTIONS FROM THE SIGNAL REFERENCE GRID TO PERIMETER GROUND BUS SHALL BE MADE EVERY 10 FEET.

GROUND CONNECTION TO SRG

NTS — 7 / E63 — REF E32

E63

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. V. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

GROUNDING DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/15/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/15/01

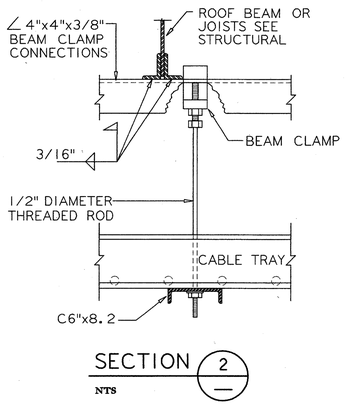
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

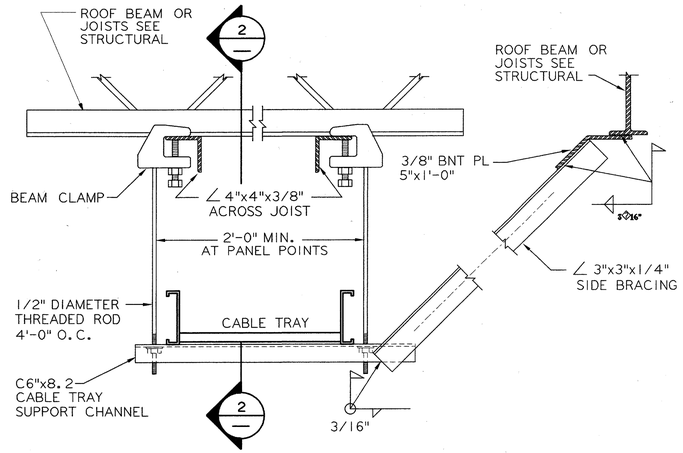
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- E63

REF. DWG.:

FILENAME:

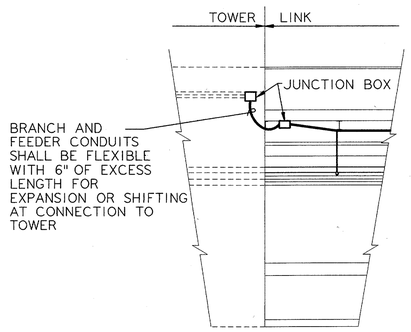


SECTION 2 / — NTS



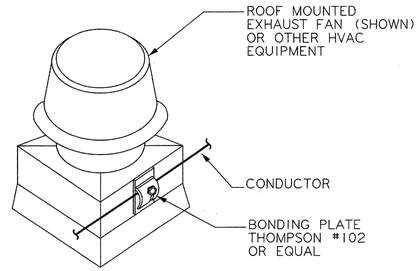
CABLE TRAY SUPPORT BRACING DETAIL

NTS — 1 / E64 REF E12 E14



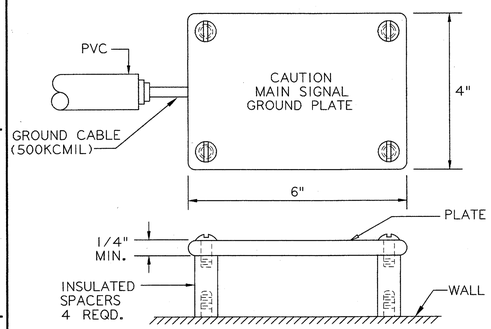
DETAIL OF CONDUIT CONNECTION

NTS — 4 / E64 REF E11



ROOF MOUNTED HVAC EQUIPMENT BONDING

NTS — 5 / E64 REF E31

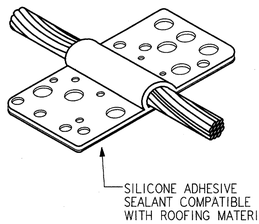


NOTES:

1. MOUNT GROUND PLATE AT 6'-6" A.F.F.
2. MULTIPOINT & SINGLE POINT BRANCH & FEEDER PLATES ARE SIMILAR, EXCEPT FOR CABLE SIZE.

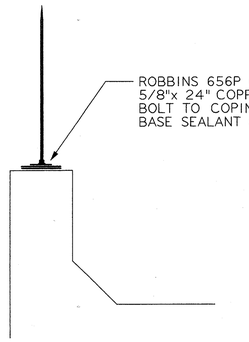
MAIN GROUND PLATE DETAIL

NTS — 6 / E64 REF E32



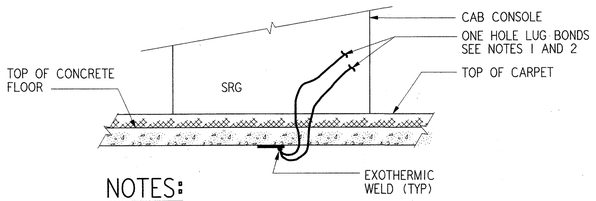
ROOF CONDUCTOR

NTS — 7 / E64 REF E31



LIGHTNING ROD AT PARAPET

NTS — 2 / E64 REF E31

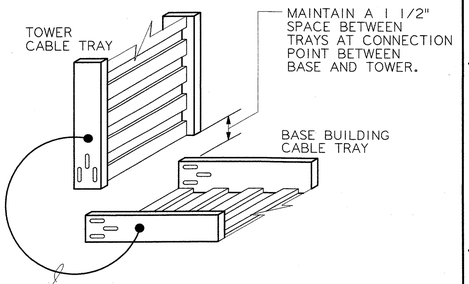


NOTES:

1. LUG BONDS SHALL BE 26 GAGE x 2" WIDE COPPER STRIP WITH (1) 5/16" HOLE IN THE TERMINAL END. COPPER STRIP SHALL BE 40481 CIRCULAR MILLS (MINIMUM) IN CROSS SECTION WITH A MAXIMUM RESISTANCE OF 23 OHMS AT 20 MHZ FOR A 12" LENGTH. FIRST STRIP SHALL BE MINIMUM LENGTH, SECOND STRIP SHALL BE 20% LONGER IN LENGTH THAN THE FIRST.
2. THE LUG BONDS SHALL BE INSTALLED BEFORE THE CARPET AND CONSOLES.

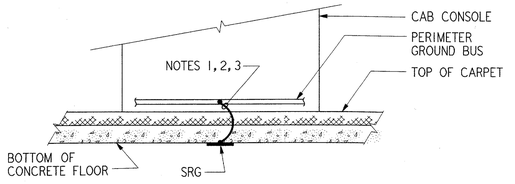
EQUIPMENT LUG BOND DETAIL

NTS — 8 / E64 REF E31



EXPANSION JOINT DETAIL

NTS — 3 / E64 REF E14



NOTES:

1. #6 AWG GREEN WITH ORANGE TRACER INSULATED COPPER CABLE SHALL BE BONDED TO THE SRG AND PERIMETER GROUND BUS USING EXOTHERMIC WELDS. THE CABLE SHALL TAKE THE SHORTEST PATH TO THE SRG WITH LENGTH NOT TO EXCEED 4 FEET.
2. CONNECTIONS FROM THE SIGNAL REFERENCE GRID TO PERIMETER GROUND BUS SHALL BE MADE EVERY 10 FEET.
3. THE CABLE SHALL BE INSTALLED BEFORE CONSOLES.

GROUND CONNECTION TO SRG

NTS — 9 / E64 REF E31

E64

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. G. GHASSEMI — 68431 — REGISTERED PROFESSIONAL ENGINEER — 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ELECTRICAL DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: R. Nguyen 10/15/01 — SYSTEMS ENGINEER, ANI-630
APPROVED: Johnnie L. Wilson 10/15/01 — MANAGER INFRASTRUCTURE PLATFORM, ANI-630

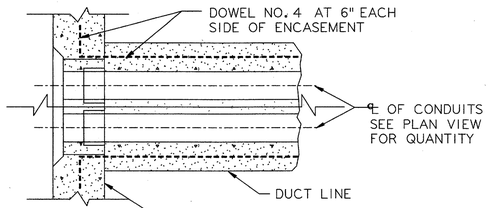
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- E64

REF. DWG.:

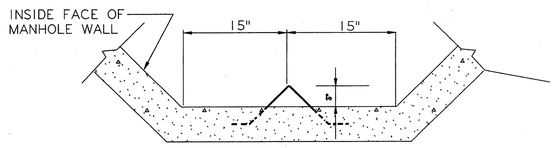
FILENAME:



TOP VIEW

INTERFACE BETWEEN DUCT LINE AND MANHOLE

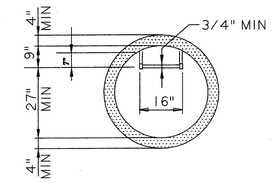
NTS



PULLING-IN IRON TO BE McGRAW-EDISON DU2T2 OR EQUAL AND SHALL HAVE A MINIMUM PULLING TENSION OF 20,000 POUNDS EACH

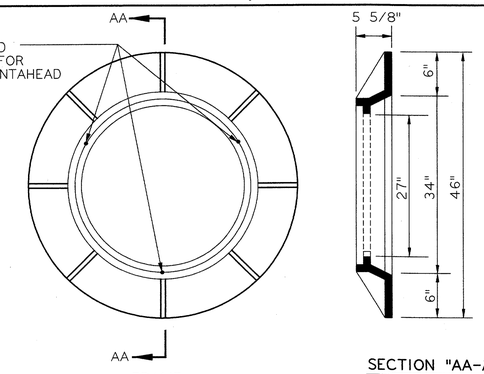
TOP VIEW PULLING-IN IRON

NTS



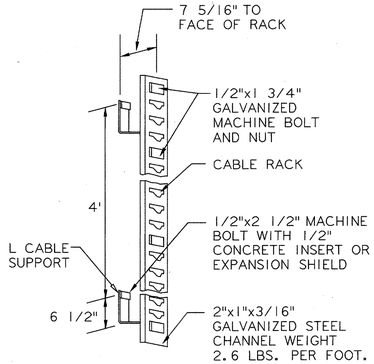
MANHOLE NECK

NTS



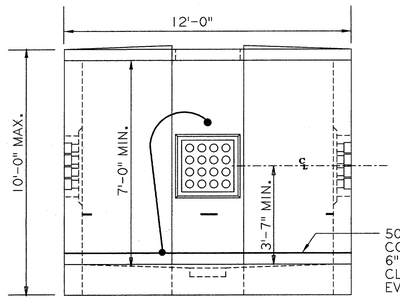
FRAME

SECTION "AA-AA"



CABLE RACK DETAIL

NTS



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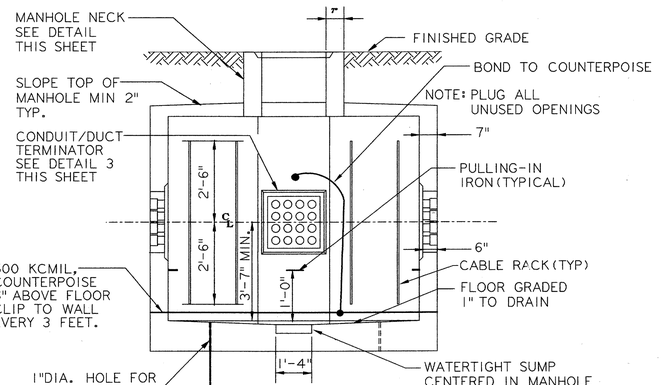

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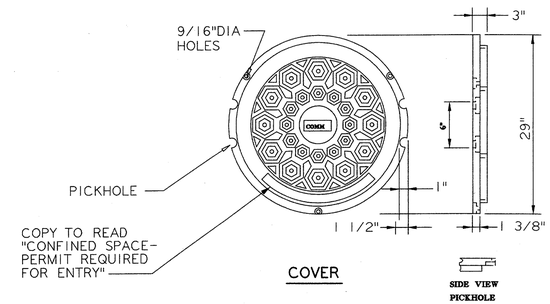
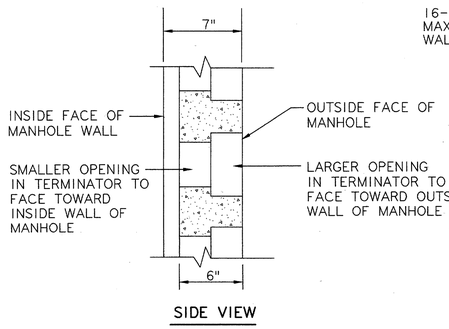


COVER

SIDE VIEW PICKHOLE

COVER AND FRAME DETAILS

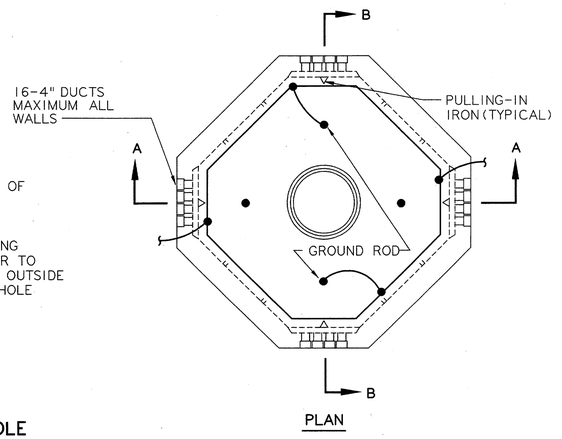
NTS



SIDE VIEW

POSITION OF TERMINATORS IN MANHOLE

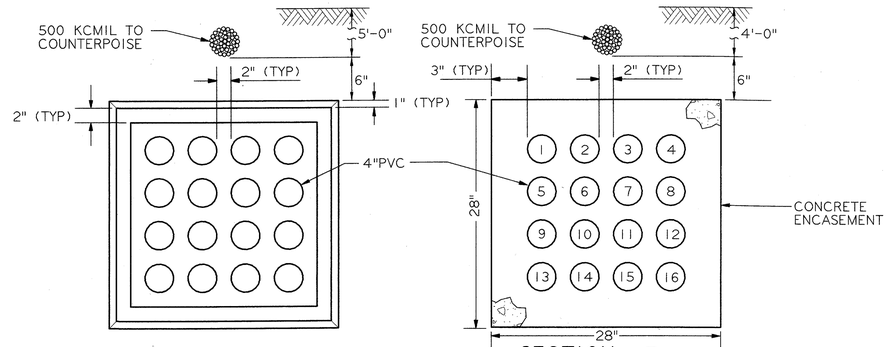
NTS



PLAN

MANHOLE 1 E65 REF E25

NTS



MANHOLE CONDUIT / DUCT TERMINATOR DETAIL 3

NTS

SECTION 2 E65 REF E25

NTS

E65

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ELECTRICAL MANHOLE DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

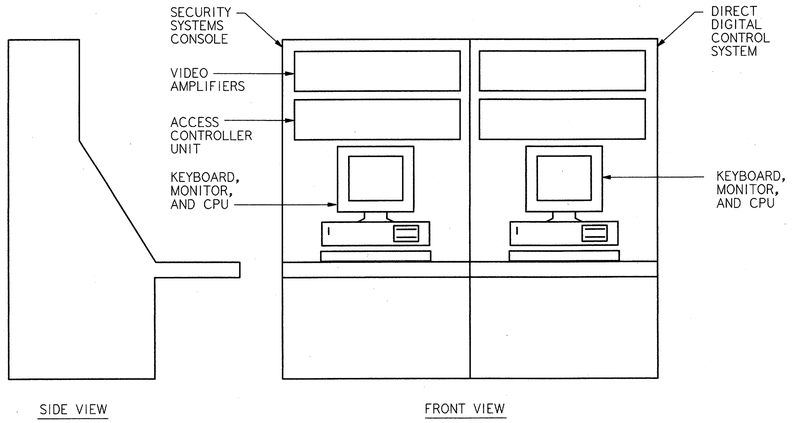
STATE OF TEXAS — A. VAGHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 12/21/01

PARSONS
DALLAS, TX

SUBMITTED: SYSTEMS ENGINEER, ANI-630	APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630
DESIGNED: A. SMITH	DATE: 06-22-01
REVIEWED: B. EISENRICH	ISSUED BY: AIRWAY FACILITIES DIVISION
ORIG. DFT.: R. RUTGER	DRAWING NUMBER: ADS-ATCT- E65
FACILITY:	

REF. DWG.:

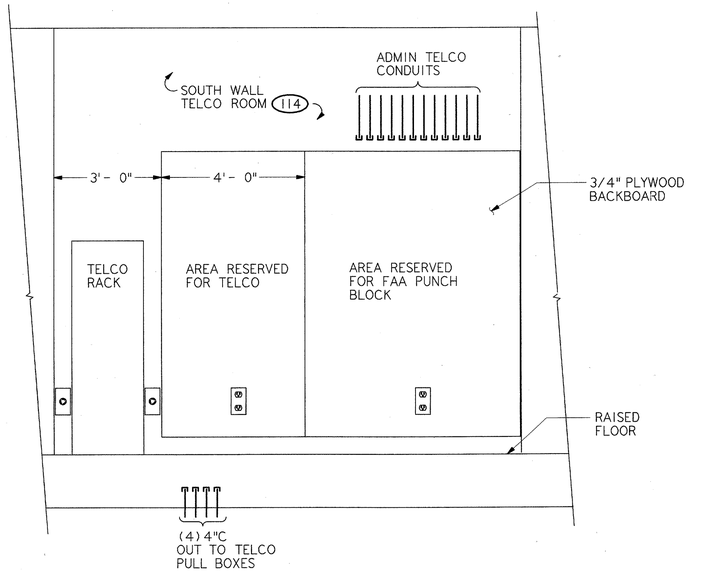
FILENAME:



SECURITY SYSTEMS CONSOLE AND DIRECT DIGITAL CONTROL SYSTEM — 1 / E66 REF E13

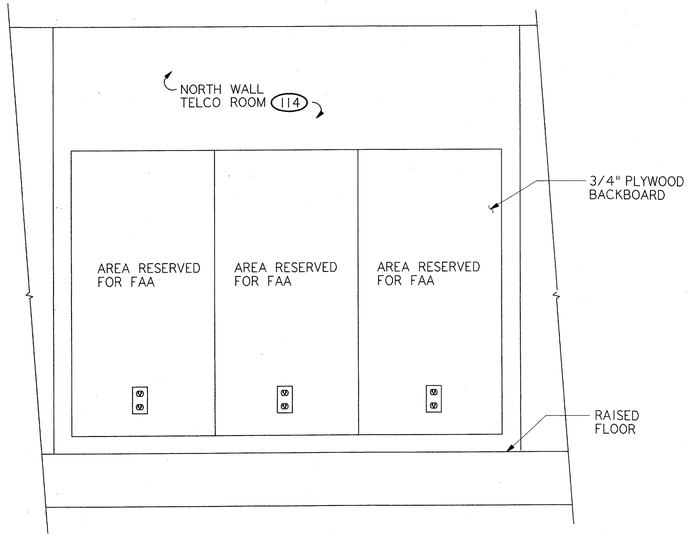
NTS

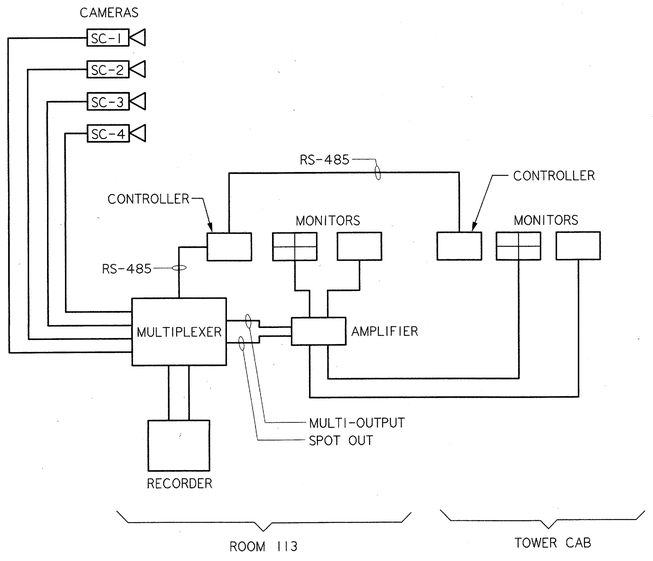
NOTE: SIZE TO FIT EXACT EQUIPMENT PURCHASED.



TELCO ROOM WALL DETAIL — 2 / E66 REF E13

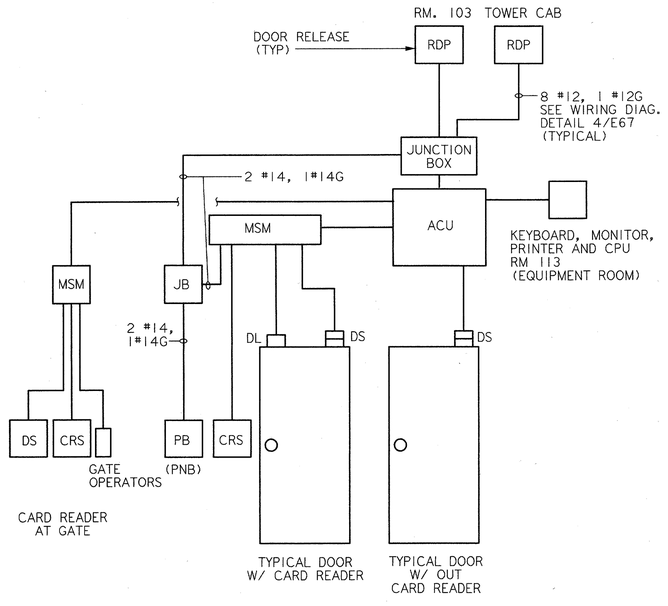
NTS





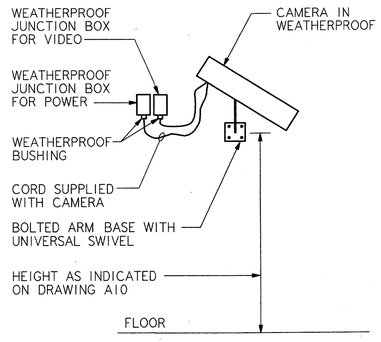
VIDEO SURVEILLANCE BLOCK DIAGRAM — 6 / E66 REF E15

NTS



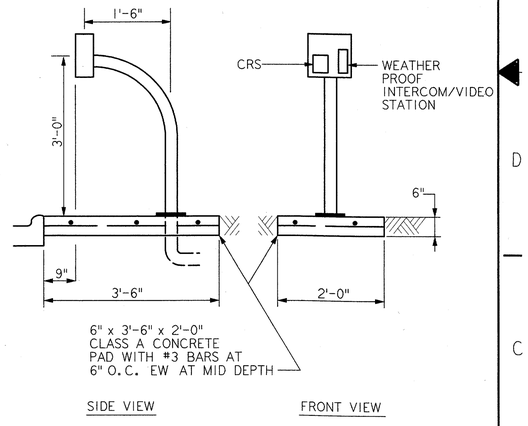
SECURITY SYSTEM BLOCK DIAGRAM — 5 / E66 REF E15

NTS



CAMERA MOUNTING DETAIL — 4 / E66 REF E15

NTS



MAIN GATE SECURITY POST — 3 / E66 REF E25

NTS

E66

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A.O. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 6/22/01

PARSONS

DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ELECTRICAL DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/15/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/15/01

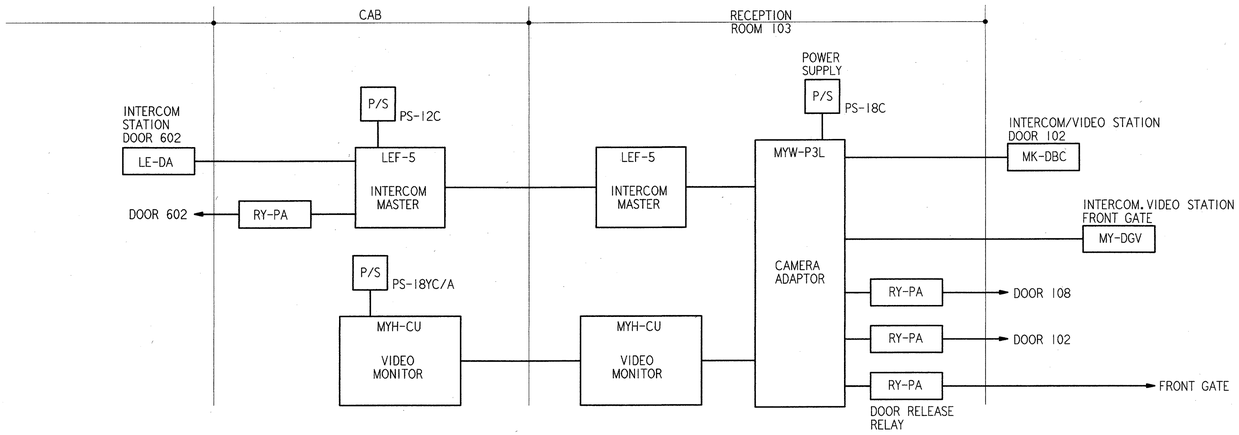
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- E66

FILENAME:

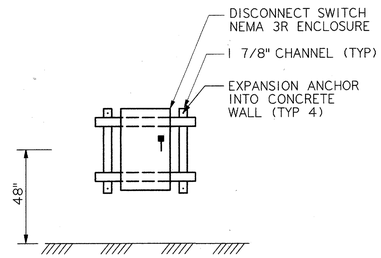
REF. DWG.:



VIDEO/INTERCOM/DOOR RELEASE SYSTEM BLOCK DIAGRAM

NTS

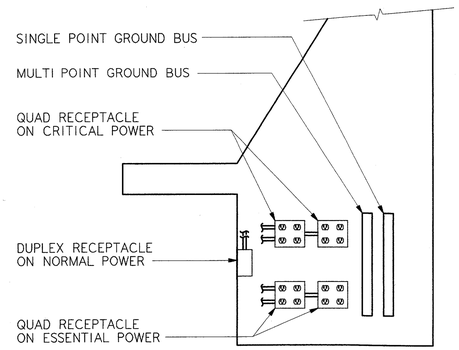
1 / E67 REF E12 E15 E25



DISCONNECT RACK

NTS

2 / E67 REF E14

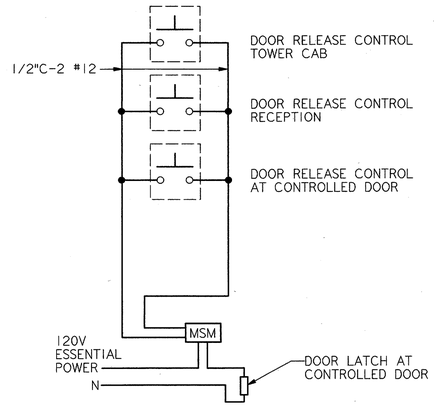


SECTION

CAB CONSOLE DETAIL

NTS

3 / E67 REF E12

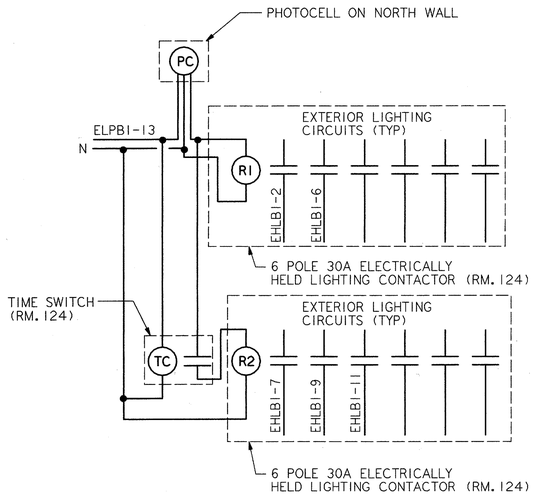


NOTE:
SEE DETAIL 1 THIS SHEET FOR DOOR RELEASE PANEL DETAILS

TYPICAL DOOR RELEASE WIRING DIAGRAM FOR EACH CONTROLLED DOOR

NTS

4 / E67 REF E66



EXTERIOR LIGHTING WIRING DIAGRAM

NTS

5 / E67 REF E23 E25

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. AJ GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 10/22/01

PARSONS

DALLAS, TX

E67

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ELECTRICAL DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: K. Nguyen 10/15/01 — SYSTEMS ENGINEER, AND-630
APPROVED: Johnnie L. White 10/15/01 — MANAGER INFRASTRUCTURE PLATFORM, AND-630

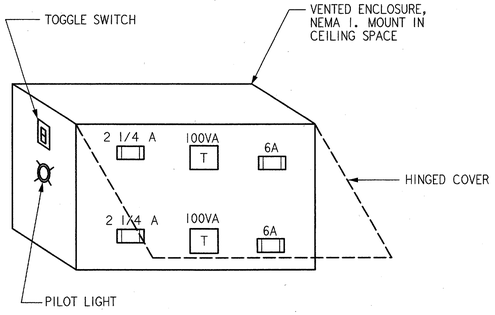
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

ISSUED BY AIRWAY FACILITIES DIVISION

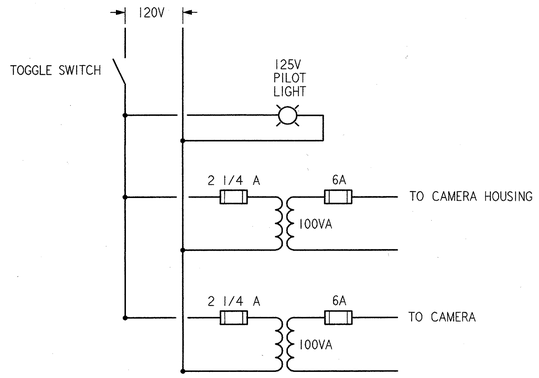
DATE: 06-22-01
DRAWING NUMBER: ADS-ATCT- E67

REF. DWG.:

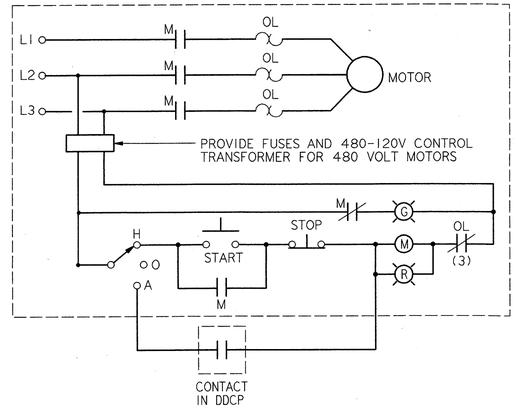
FILENAME:



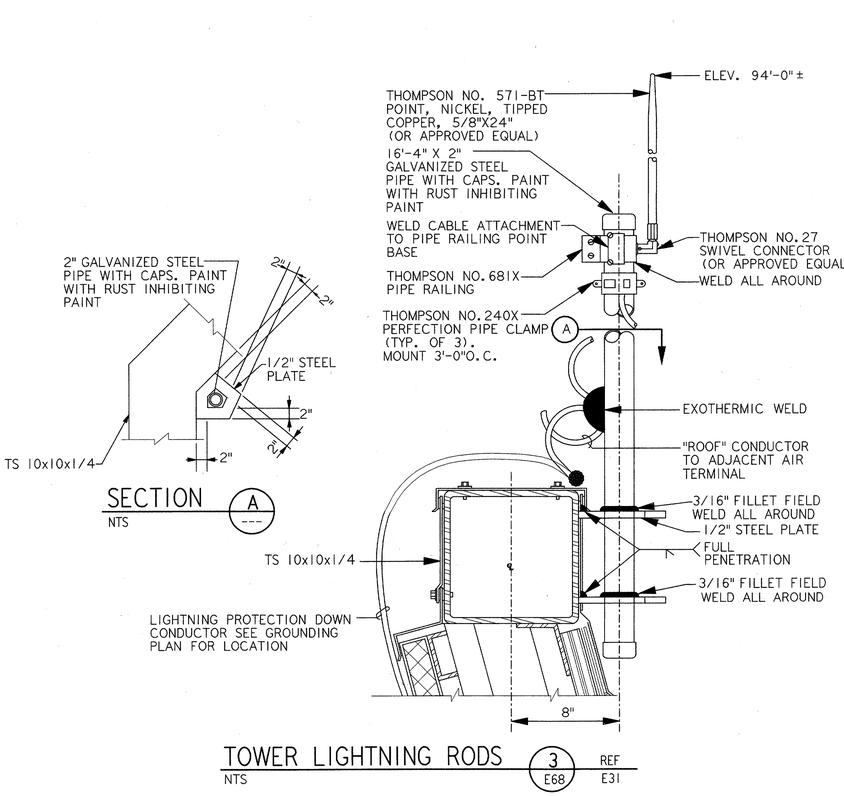
SECURITY CAMERA POWER SUPPLY
NTS
1 / E68 REF E15



WIRING DIAGRAM
2 / E68 REF E15

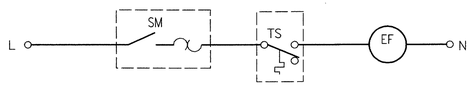


CONTROL DIAGRAM 2
(FVNR STARTER)

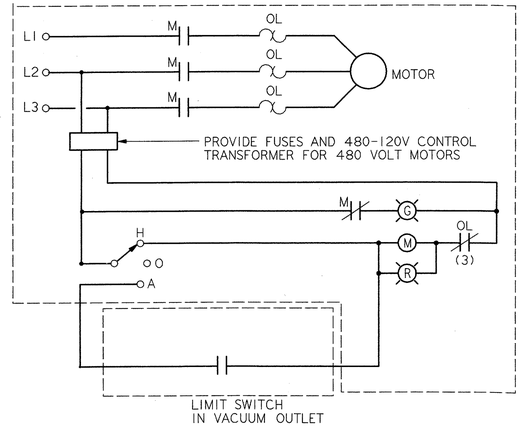


SECTION A
NTS

TOWER LIGHTNING RODS
NTS
3 / E68 REF E31



CONTROL DIAGRAM 1
(SINGLE PHASE EF WITH TEMPERATURE SWITCH)



CONTROL DIAGRAM 3
FVNR W/ REMOTE LIMIT SWITCH

E68

REV.	DATE	DESCRIPTION	DFTG.	CHECKED

STATE OF TEXAS — A. M. GHASSEMI — 69431 — REGISTERED PROFESSIONAL ENGINEER — 6/22/01

PARSONS
DALLAS, TX

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS
LOW ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER

ELECTRICAL DETAILS

ADDISON (ADDISON AIRPORT) TEXAS

SUBMITTED: SYSTEMS ENGINEER, ANI-630 — 10/5/01
APPROVED: MANAGER INFRASTRUCTURE PLATFORM, ANI-630 — 10/10/01

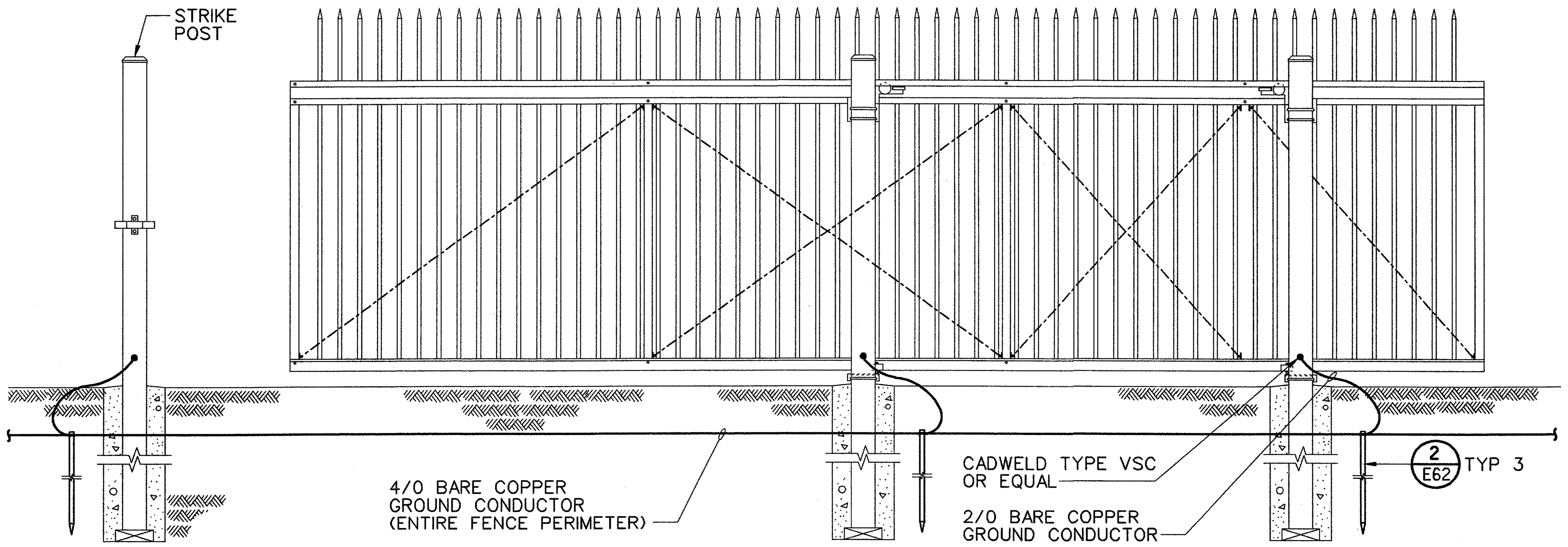
DESIGNED: A. SMITH
REVIEWED: B. EISENRICH
ORIG. DFT.: R. RUTGER
FACILITY:

DATE: 06-22-01
ISSUED BY: AIRWAY FACILITIES DIVISION
DRAWING NUMBER: ADS-ATCT- E68

REF. DWG.:

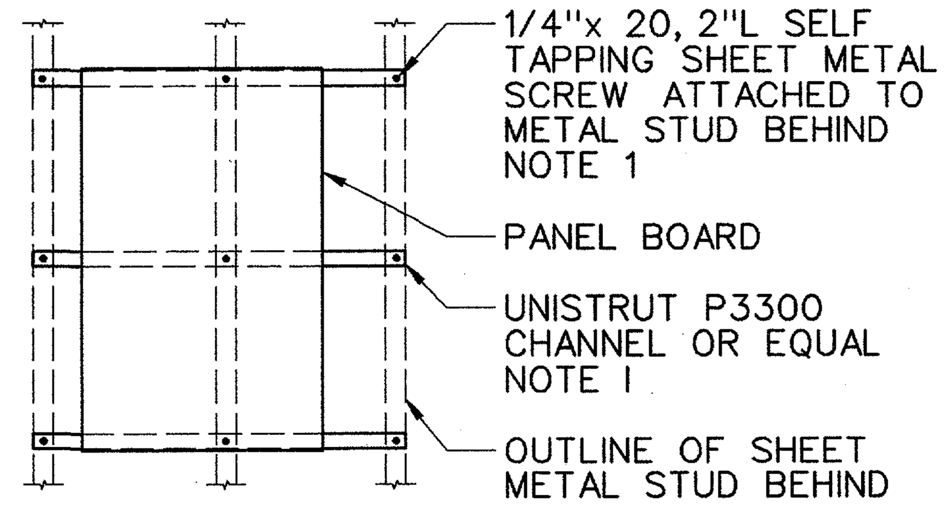
FILENAME:

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM



1 E069 CANTILEVER GATE GROUNDING DETAIL — REF E025
NOT TO SCALE

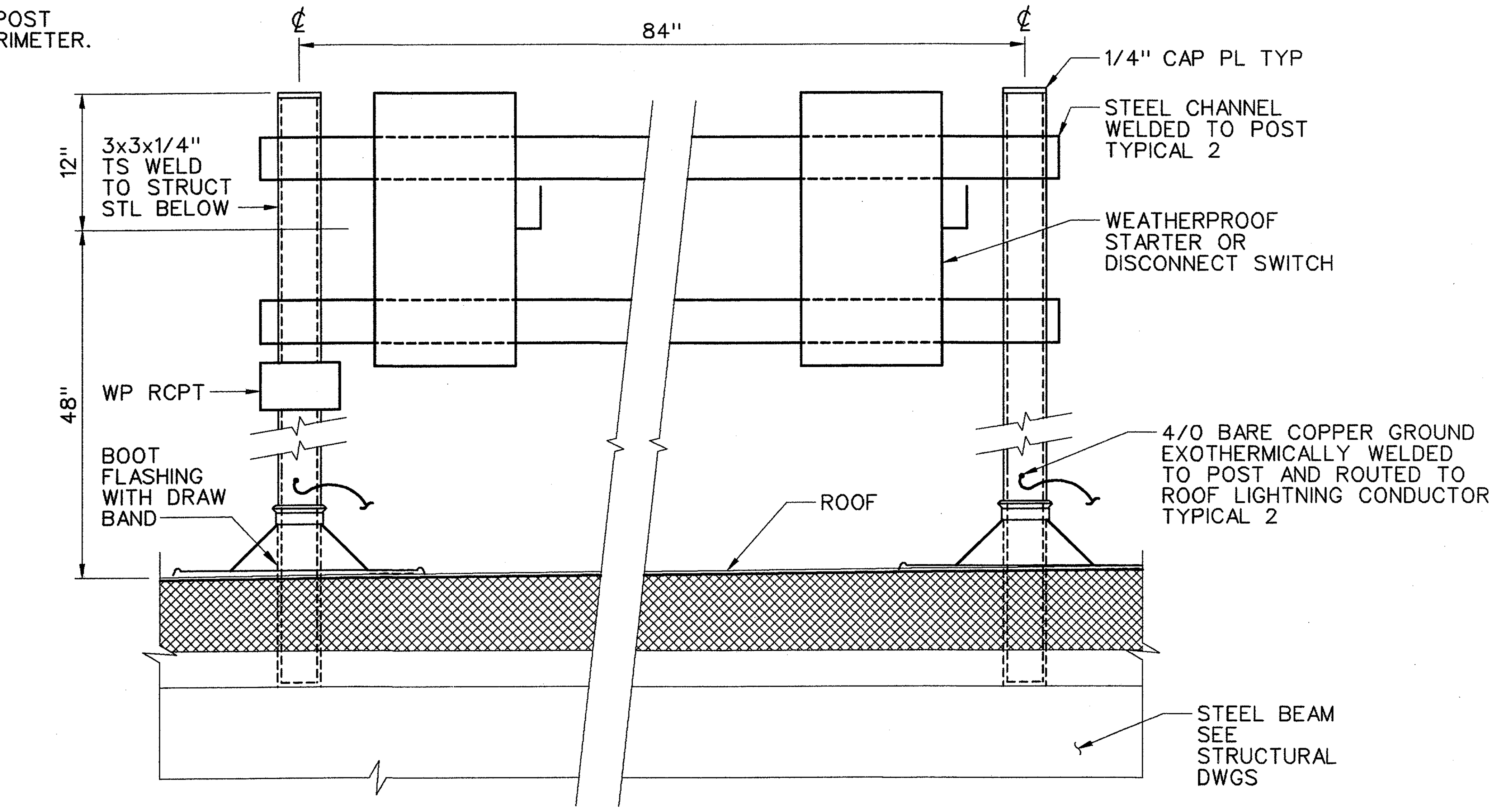
NOTE:
GROUND EACH FENCE POST FOR ENTIRE FENCE PERIMETER.



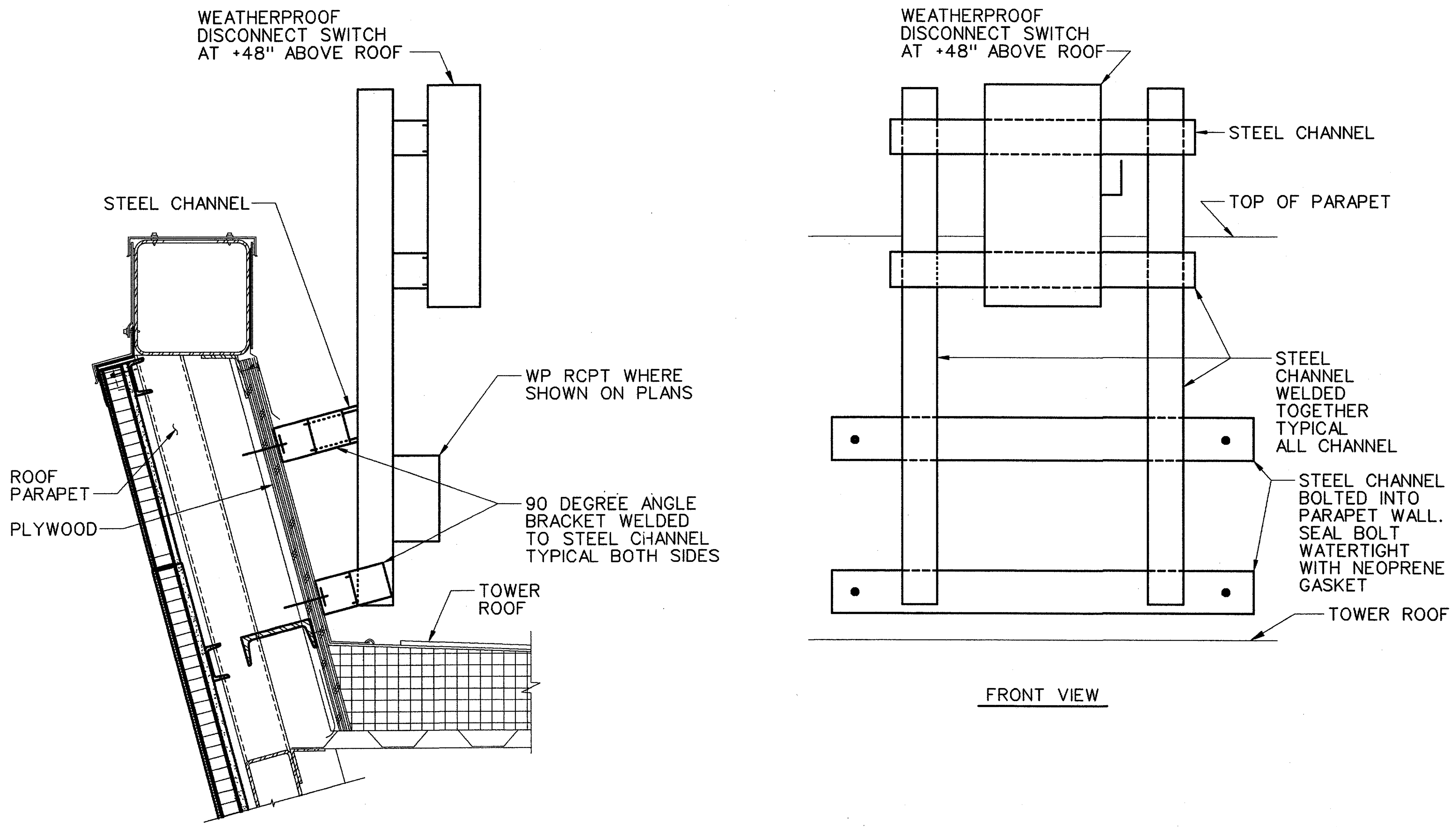
NOTES:

1. FOR PANEL BOARDS MDPEH AND DPCL USE THREE CHANNELS WITH THREE SCREWS EACH CHANNEL. ALL OTHER PANEL BOARDS USE TWO CHANNELS WITH TWO SCREWS PER CHANNEL.

3 E069 PANEL BOARD MOUNTING DETAIL — REF E011, E013, E014
NOT TO SCALE



4 E069 DISCONNECT MOUNTING DETAIL — REF E024, E014
NOT TO SCALE



SIDE VIEW

FRONT VIEW

2 E069 DISCONNECT MOUNTING DETAIL — REF E012
NOT TO SCALE

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
A	06-23-03	FAA REDESIGN OF HVAC, JON 21874.	9700164	06-23-03	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER — FORT WORTH, TX

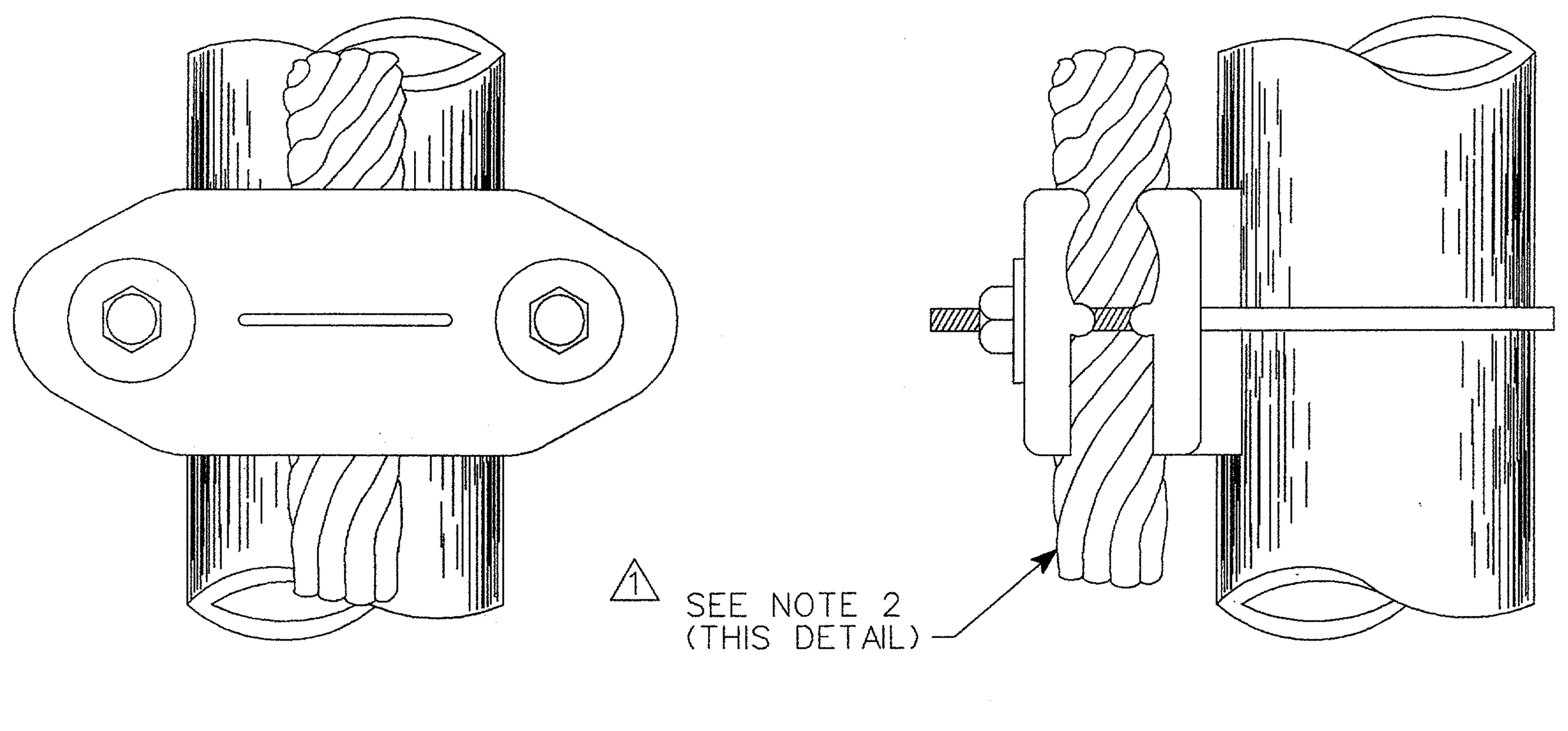
LOW ACTIVITY LEVEL ATCT

ELECTRICAL DETAILS

ADDISON — ADDISON AIRPORT — TX

REVIEWED BY
SUBMITTED BY: M. A. Waheed 7/18/03 — PROJECT ENGINEER, ANI-630
APPROVED BY: Johnnie L. White 7/18/03 — PLATFORM MANAGER, ANI-630
DESIGNED: M. WAHEED
DRAWN: KS
CHECKED
ISSUED BY: NAS IMPLEMENTATION ANI-600
DATE: 06-23-03 — JCN: 9700164
DRAWING NO: ADS-D-ATCT-E069 — REV: A

m:\adsh\atct\active\ads-d-atct-e069-a.dgn 07/17/2003 04:53:43 PM kssom



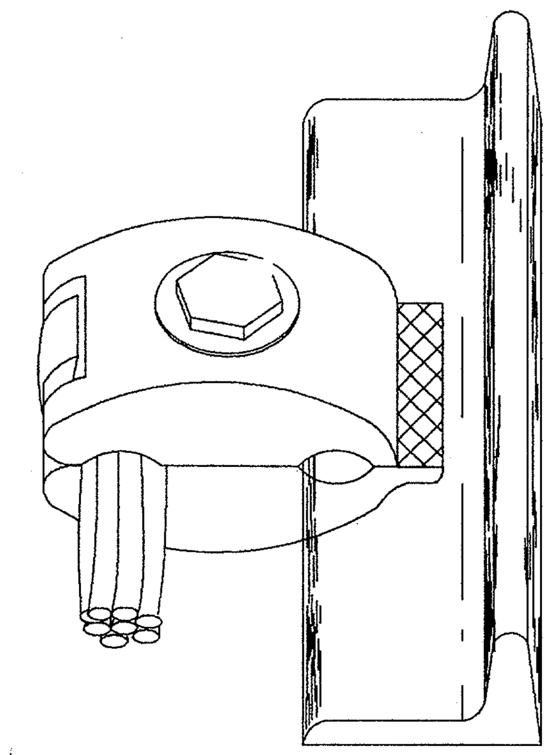
MATERIAL:
CASTING - BRONZE ALLOY
HARDWARE - SILICON BRONZE OR STAINLESS STEEL

SOURCES:
A. BURNDY "GAR" TYPE
B. THOMPSON NO.800 SERIES
C. ANDERSON CONNECTOR "GC" TYPE
D. OR APPROVED EQUAL

NOTES:
1. TWO EACH U-BOLT CLAMPS TO BE USED TO ATTACH AIR TERMINALS TO PIPE STANDARDS.
⚠ 2. USE PROPER SIZE U-BOLT CLAMP TO FIT CABLE AND PIPE.

U-BOLT TYPE CLAMP

DOWN CONDUCTOR OR AIR TERMINAL TO PIPE TOWER LEG AND PIPE STANDARD

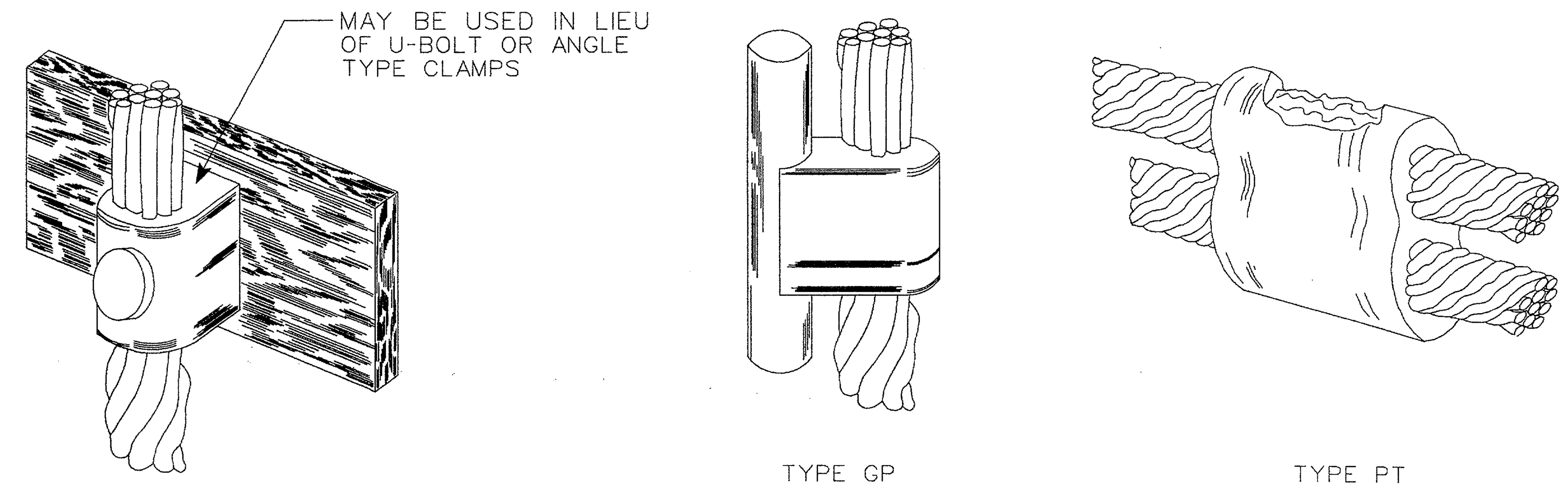


MATERIAL: CAST BRONZE
HARDWARE: SILICONE BRONZE OR STAINLESS STEEL

SOURCES:
1. THOMPSON NO.142
2. INDEPENDENT NO.298A
3. ROBBINS 68X
4. A-C NO.C559

ANGLE TYPE CLAMP

DOWN CONDUCTOR TO ANGLE OR CHANNEL IRON



TYPE VV — TYPE GP — TYPE PT

EXOTHERMIC WELD NOTES:
1. DUXSEAL, MADE BY JOHNS-MANVILLE, SHALL BE USED TO SEAL AROUND EACH CABLE ON OUTSIDE OF THE MOLD FOR ALL CABLE CONNECTIONS.
2. THE CABLES SHALL BE CLEANED WITH A WIRE BRUSH AND CLAMPED TO PREVENT THEIR MOVEMENT FROM MOLD PRIOR TO SHOOTING WELD.
3. MOLDS ARE TO BE OF THE TYPE APPROVED FOR PROPER CONNECTION AND CLEANED PRIOR TO SHOT. MOLD SHALL BE DRIED WITH PROPANE TORCH BEFORE USING.
4. MOLDS SHALL NOT BE MODIFIED.

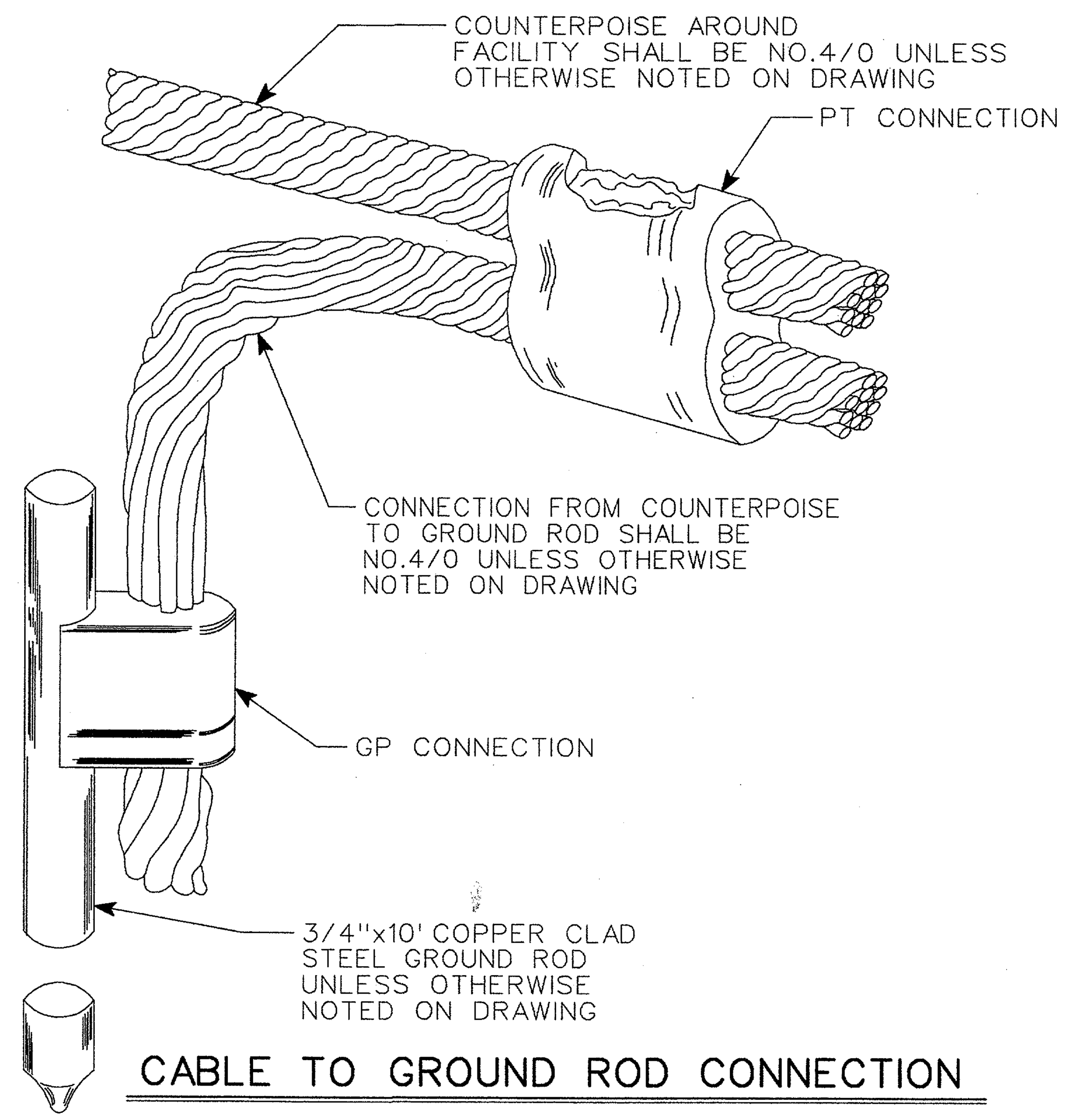
EXOTHERMIC WELD CONNECTIONS

RECOMMENDED EXOTHERMIC WELD COMPONENTS

REQUIRED CABLE CONNECTION	MOLD	WELD METAL
THOMPSON NO.32 TO GND. ROD	GPR-188C	250
THOMPSON NO.32 TO NO.32	PTC-8C8C	150
SOLID AWG NO.2 TO NO.32	PTC-8C1T	90
STRANDED AWG NO.2 TO NO.32	PTC-8C1V	115
STRANDED AWG NO.4/0 TO NO.32	PTC-2Q8C	150
STRANDED AWG NO.4/0 TO NO.28R	PTC-2Q8D	200
THOMPSON 28R TO GROUND ROD	GPR-188D	250
STRANDED AWG NO.4/0 TO NO.4/0	PTC-2Q2Q	200
THOMPSON NO.28R TO NO.28R	PTC-8D8D	200
STRANDED AWG NO.4/0 TO AWG NO.2	PTC-2Q1V	150
STRANDED AWG NO.4/0 TO GND. ROD	GPR-182Q	250
NO.32 TO VERTICAL STEEL	VVR8C	200 (SEE NOTE 2)
NO.28R TO VERTICAL STEEL	VVR8D	2-150 (SEE NOTE 2)

NOTES:
1. DELETED
2. FOR CABLE TO STEEL PIPE, ADD PIPE DIRECTION AND NORMAL PIPE SIZE TO VV MOLD NUMBER.

EQUIVALENT CATALOG NUMBERS FOR THOMPSON, ROBBINS, AND A/C CABLE
a. THOMPSON NO.32, ROBBINS NO.1, A/C C-122
b. THOMPSON NO.28R, ROBBINS NO.604, A/C C-126



CABLE TO GROUND ROD CONNECTION

REV.	DATE	DESCRIPTION	DFTG.	CHECKED
2	11-16-98	PREPARED FOR AS-BUILT (PER L. FLORES; DATED 09-28-98; J.O.N.: X8241).	CAB	RKM
1	06-07-95	GENERAL REVISION	JLM	BRF

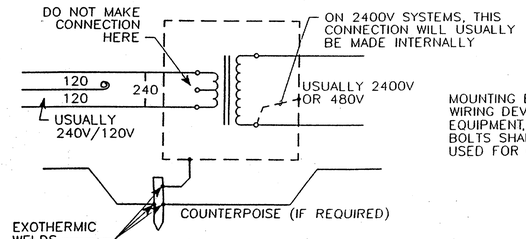
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
FORT WORTH IMPLEMENTATION CENTER/SOUTHWEST REGION - FORT WORTH, TEXAS

GROUNDING STANDARDS TYPICAL CONNECTIONS

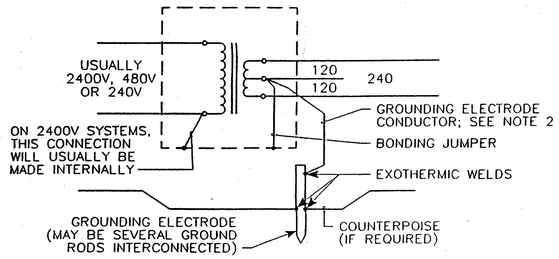
SUBMITTED: ORIGINAL DRAWING SIGNED BY: C. C. CALLAHAN for SYSTEM ENGINEER, ANI-
APPROVED: ORIGINAL DRAWING SIGNED BY: G. R. RIVERA for PLATFORM MANAGER, ANI-
DESIGNED: JACK PARKER
REVEIWED:
ORIG. DFT.: JAF/JLM 04-14-95
FACILITY:
ISSUED BY FORT WORTH NAS IMPLEMENTATION CENTER
DATE: 04-10-92
DRAWING NUMBER: SWSD-GROUNDING-E02-02

m:\standards\grounding\active\e02-02.dgn 06/05/2003 10:04:30 AM Margaret

THIS DRAWING PRODUCED ON THE SOUTHWEST REGION MICROSTATION SYSTEM



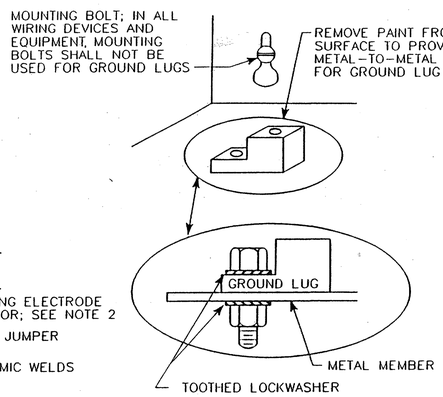
STEP-UP TRANSFORMER



STEP-DOWN OR ISOLATION TRANSFORMER

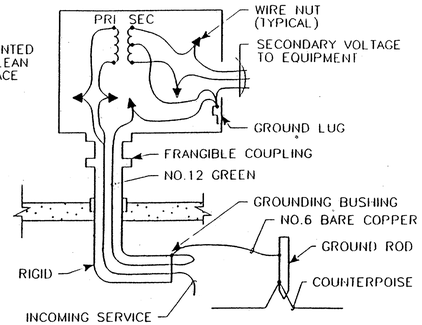
DISTRIBUTION TRANSFORMER GROUNDING

SINGLE PHASE OR THREE PHASE
SINGLE PHASE SHOWN
NO SCALE



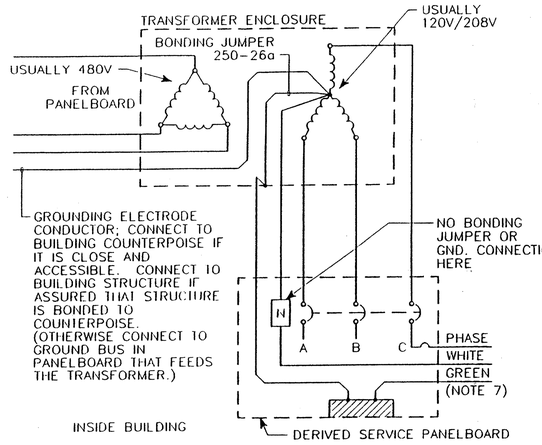
GROUND LUG DETAIL

NOT TO SCALE



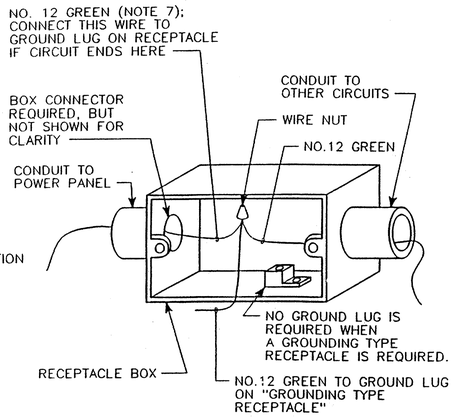
STEP-DOWN TRANSFORMER MOUNTED ON FRANGIBLE COUPLING

NOT TO SCALE



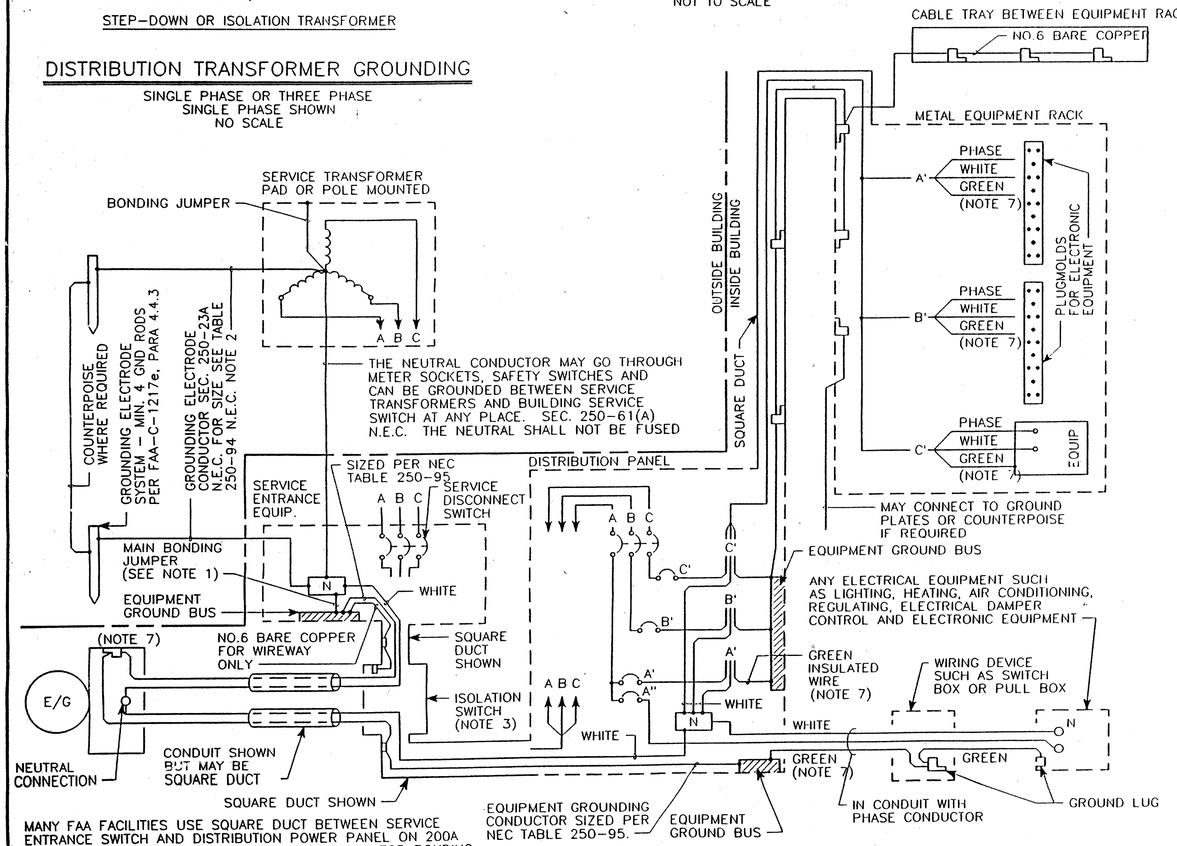
GROUNDING SEPARATELY DERIVED A.C. WITHIN THE SYSTEM

SINGLE PHASE OR THREE PHASE
THREE PHASE SHOWN
NO SCALE



GROUNDING RECEPTACLE DETAIL

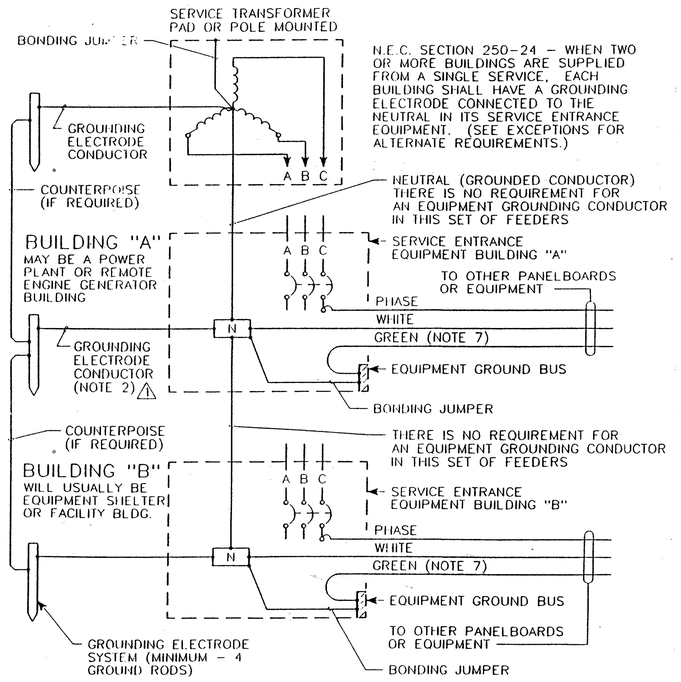
NOT TO SCALE



MANY FAA FACILITIES USE SQUARE DUCT BETWEEN SERVICE ENTRANCE SWITCH AND DISTRIBUTION POWER PANEL ON 200A SERVICE AND LESS. THE 6" BARE COPPER USED FOR BONDING SQUARE DUCT WILL NOT SATISFY GROUNDING REQUIREMENTS BETWEEN SERVICE SWITCH AND DISTRIBUTION POWER PANEL ON LARGER THAN 200A SERVICES. AN ADDITIONAL GREEN GROUNDING CONDUCTOR CONNECTING SERVICE SWITCH AND ENGINE GENERATOR AND DISTRIBUTION PANEL WILL BE REQUIRED.

TYPICAL FACILITY GROUNDING SKETCH 3 PHASE SHOWN

NO SCALE



N.E.C. SECTION 250-24 - WHEN TWO OR MORE BUILDINGS ARE SUPPLIED FROM A SINGLE SERVICE, EACH BUILDING SHALL HAVE A GROUNDING ELECTRODE CONNECTED TO THE NEUTRAL IN ITS SERVICE ENTRANCE EQUIPMENT. (SEE EXCEPTIONS FOR ALTERNATE REQUIREMENTS.)

SERVICE GROUNDING TWO OR MORE BUILDINGS

SERVICE SINGLE-PHASE OR THREE PHASE
NO SCALE

NOTES:

1. MAIN BONDING JUMPER CONNECTS THE GROUNDED CONDUCTOR (NEUTRAL), THE SERVICE EQUIPMENT ENCLOSURE AND THE EQUIPMENT GROUND BUS TOGETHER. BONDING JUMPER MAY BE A WIRE, A BUS OR A SCREW.
2. GROUNDING ELECTRODE CONDUCTOR (BARE OR INSULATED, NOT GREEN) SHALL BE CONNECTED TO THE AC SYSTEM GROUNDED CONDUCTOR (NEUTRAL). IT SHALL RUN DIRECTLY TO THE GROUNDING ELECTRODE SYSTEM WITHOUT SPLICE AND SHALL BE PROTECTED FROM MECHANICAL DAMAGE.
3. THE ENCLOSURE OF THE ISOLATION SWITCH SHOULD NOT BE USED AS AN EXTENSION OF THE NEUTRAL BUS IN THE SERVICE ENTRANCE EQUIPMENT. HOWEVER, ON PRE-WIRED STANDBY SYSTEMS WHERE THIS HAS BEEN DONE AND APPROVED AT THE NATIONAL LEVEL, NO ACTION SHOULD BE TAKEN TO CHANGE THE WIRING.
4. THIS DRAWING DOES NOT REQUIRE THAT EXISTING FACILITIES BE CHANGED. USE THIS DRAWING ON NEW FACILITIES AND WHEN WORK IS BEING DONE ON EXISTING FACILITIES.
5. NOT USED
6. THIS DRAWING SHALL NOT GOVERN OVER SPECIAL REQUIREMENTS SHOWN ON INDIVIDUAL FACILITY DRAWINGS.
7. ⚠1 THE EQUIPMENT GROUND (GREEN) CONDUCTOR IS SIZED ACCORDING TO THE OVERCURRENT DEVICE RATING WHERE THE CIRCUIT DISTRIBUTION IS ORIGINATED, PER N.E.C., TABLE NO. 250-95.

REV.	DATE	DESCRIPTION		
⚠1	06-07-95	GENERAL REVISIONS	JLM	B.R.F.

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGION — FORT WORTH, TEXAS

GROUNDING STANDARDS POWER SERVICE DETAILS

SUBMITTED: ORIGINAL SIGNED BY: CHRISTIAN C. CALLAHAN for	APPROVED: ORIGINAL SIGNED BY: G. R. RIVERA
SUPERVISOR OF SECTION, ASW-454	MANAGER OF BRANCH, ASW-450
DESIGNED: JACK PARKER	ISSUED BY AIRWAY FACILITIES DIVISION
REVIEWED:	DATE: 04-10-92
CHKD. DFT.: JAF/CMC 7-11-95	DRAWING NUMBER: SWSD-GROUNDING-E03-01
FACILITY:	

REG FILENAME: swsd-grounding-e03-01
LOT SCALE FACTOR: 1