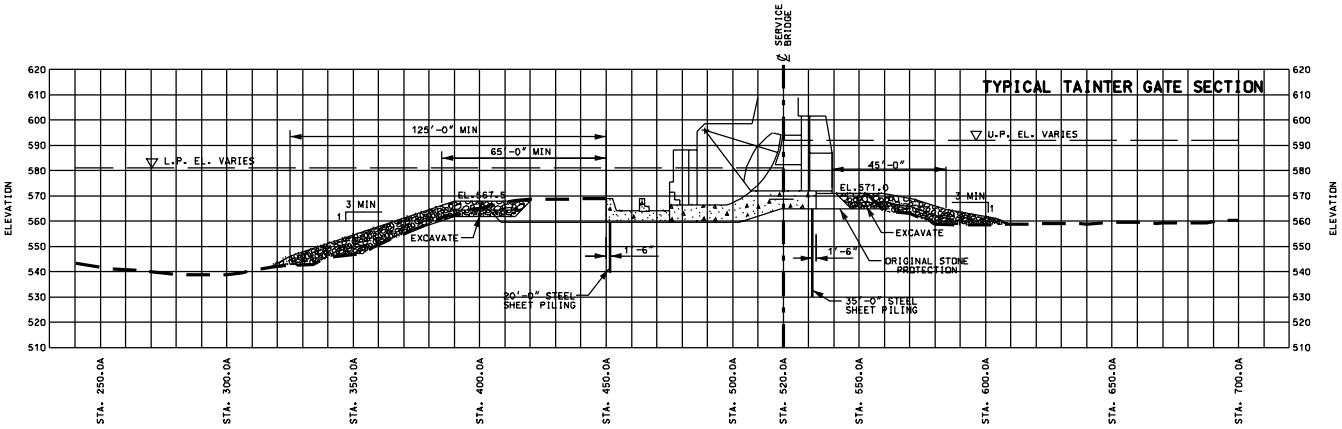
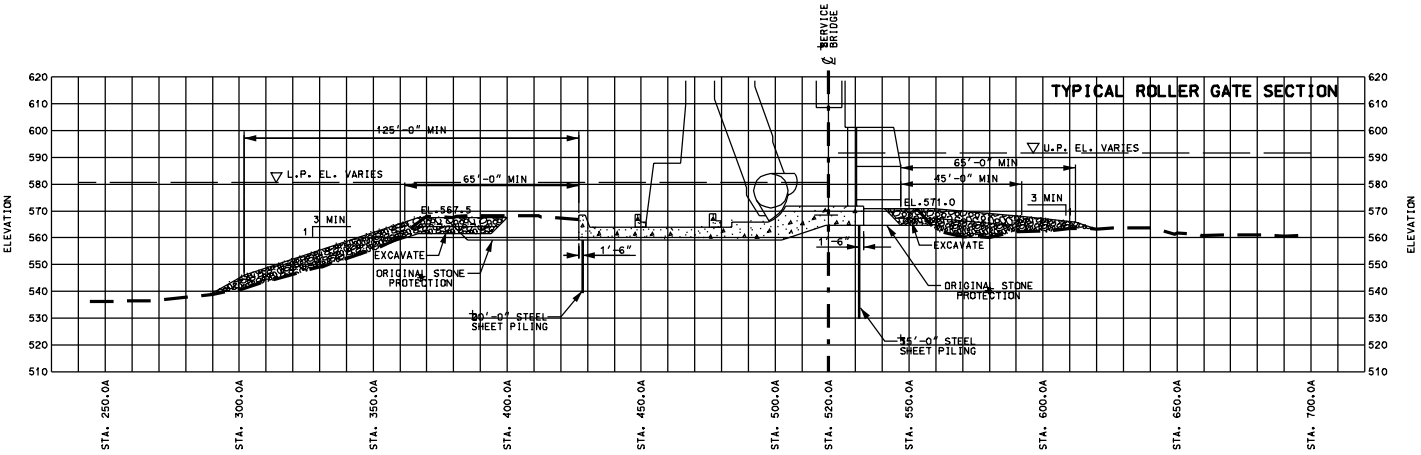

TYPICAL TAINTER GATE SECTION
℄ SERVICE BRIDGE
125'-0" MIN
65'-0" MIN
L.P. EL. VARIES
U.P. EL. VARIES
45'-0"
EL. 567.5
EL. 571.0
3 MIN
1
EXCAVATE
1'-6"
ORIGINAL STONE PROTECTION
20'-0" STEEL SHEET PILING
35'-0" STEEL SHEET PILING
ELEVATION
620
610
600
590
580
570
560
550
540
530
520
510
STA. 250+00
STA. 300+00
STA. 350+00
STA. 400+00
STA. 450+00
STA. 500+00
STA. 520+00
STA. 550+00
STA. 600+00
STA. 650+00
STA. 700+00


TYPICAL ROLLER GATE SECTION
℄ SERVICE BRIDGE
125'-0" MIN
65'-0" MIN
L.P. EL. VARIES
EL. 567.5
3 MIN
1
EXCAVATE
ORIGINAL STONE PROTECTION
1'-6"
30'-0" STEEL SHEET PILING
65'-0" MIN
45'-0" MIN
U.P. EL. VARIES
EL. 571.0
3 MIN
1'-6"
EXCAVATE
ORIGINAL STONE PROTECTION
45'-0" STEEL SHEET PILING
ELEVATION
620
610
600
590
580
570
560
550
540
530
520
510
STA. 250.0A
STA. 300.0A
STA. 350.0A
STA. 400.0A
STA. 450.0A
STA. 500.0A
STA. 520.0A
STA. 550.0A
STA. 600.0A
STA. 650.0A
STA. 700.0A

NOTES:

1. PRIOR TO PLACEMENT OF THE NEW ROCKFILL AND DERRICK STONE, EXCAVATE THE RIVER BED AND DEBRIS TO AT LEAST DIMENSIONS SHOWN ON THE DRAWINGS OR AS NECESSARY TO EXPOSE THE OUTERMOST EDGE OF THE ORIGINAL UNDISTURBED DERRICK STONE. EXCAVATION OF THE RIVERBED AND DEBRIS SHOULD ALLOW FOR A MINIMUM 30" THICK LAYER OF ROCKFILL AND A MINIMUM 42" THICK LAYER OF DERRICK STONE TO ELEVATIONS SPECIFIED IN NOTE 4 OF THIS DRAWING. THE EXCAVATION SLOPE SHALL BE AS STEEP AS POSSIBLE BUT NOT MORE THAN 1V ON 1H. EXCAVATION WILL ALSO BE REQUIRED OVER AREAS OF ORIGINAL STONE PROTECTION TO ENSURE ITS EXISTENCE. CARE SHALL BE TAKEN SO THAT THE EXISTING STONE APRON IS NOT UNDERMINED. EXCAVATION MAY INCLUDE EXISTING ROCK AND TIMBER MATTRESSES AS SHOWN ON REFERENCE DRAWINGS. DISPLACED EXISTING ROCK, TIMBER MATTRESS AND DERRICK STONE, RANGING IN SIZE UP TO 2000 LBS, MAY BE ENCOUNTERED AND WILL BE REMOVED. EXCAVATION MATERIAL MAY EXHIBIT PROPERTIES OF SOLID ROCK. ROCK FILL AND DERRICK STONE SHALL BE PLACED IN THESE AREAS AS REQUIRED TO BRING THE ELEVATION OF THE STONE TO THE LIMITS AS INDICATED IN NOTES 4 AND 5 ON THIS DRAWING.

2. STONE ENCOUNTERED OUTSIDE THE LIMITS SHOWN AS ORIGINAL DERRICK STONE AND PROTECTION STONE SHALL BE CONSIDERED DISPLACED OR BOULDERS AND SHALL BE REMOVED.

3. ALL SILT EXCAVATED FROM THE DESIGNATED AREA MAY BE PLACED IN THE DISPOSAL AREA SHOWN ON SHEET C2. SILT MAY BE PLACED TO THE MAXIMUM ELEVATION OF 603. ROCK AND SAND EXCAVATED FROM THE DESIGNATED AREA MAY BE TEMPORARILY PLACED IN THE WORK ZONE WHICH IS LIMITED TO APPROXIMATELY 100 FEET PAST THE ORIGINAL STONE PROTECTION SHOWN ON THE DRAWINGS. AFTER THE NEW STONE PROTECTION IS PLACED THE TEMPORARILY PLACED EXCAVATED STONE SHALL BE MOVED BACK OVER THE NEW STONE PROTECTION IN SUCH A MANNER THAT NO LARGE PILES OF STONE OCCUR. THE CONTRACTOR ALSO HAS THE OPTION OF REMOVING THE EXCAVATED STONE, SILT, AND SAND OFF SITE AT HIS OWN EXPENSE.

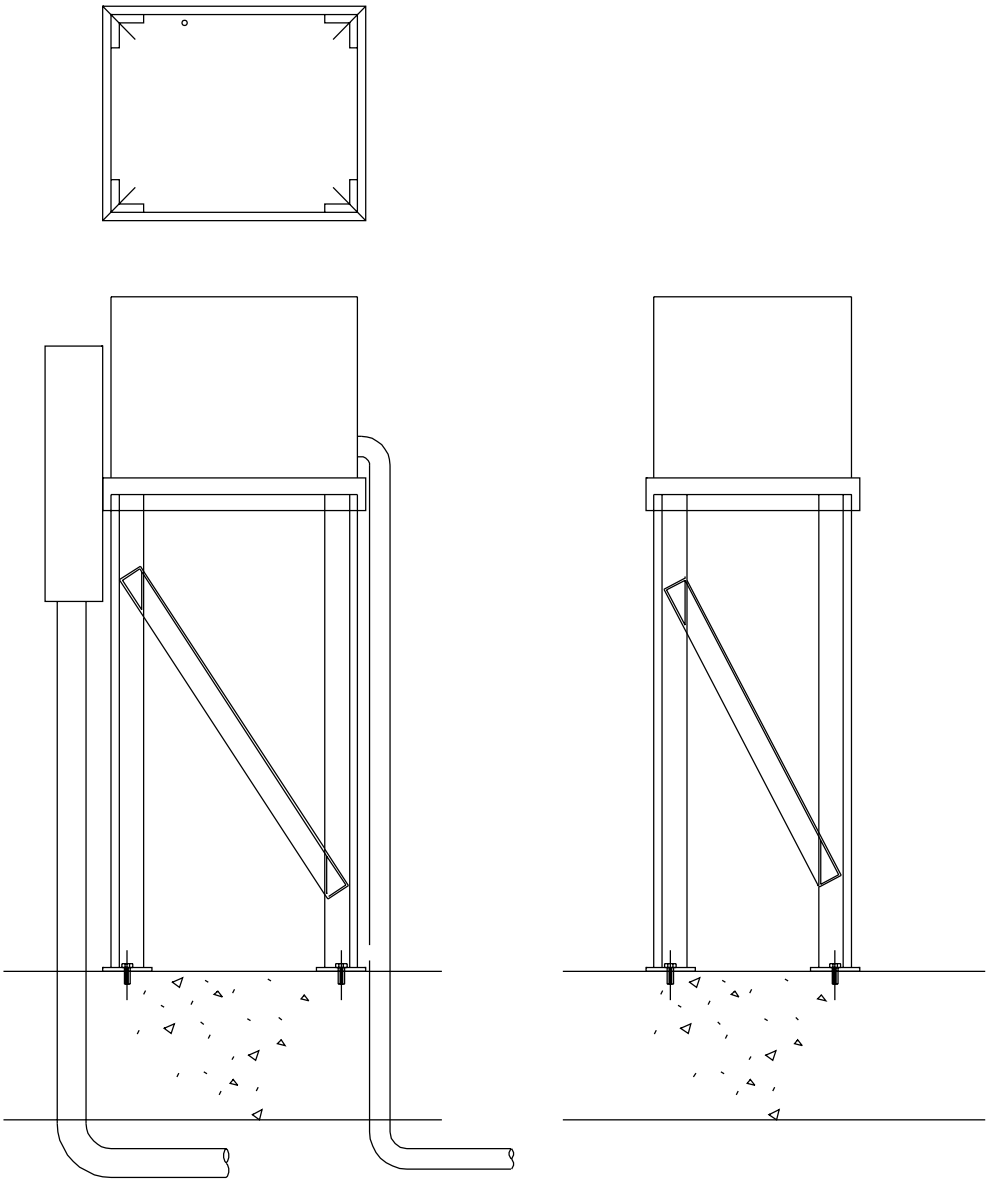
4. THE DERRICK STONE SHALL BE PLACED TO AN APPROXIMATE ELEVATION OF 571.0 ON THE UPSTREAM AND 567.5 ON THE DOWNSTREAM SIDE OF THE DAM.

5. THE SLOPES OF THE NEW ROCK PLACEMENT WILL BE 1V ON 3H OR FLATTER. USE ADDITIONAL ROCKFILL MATERIAL BEYOND THE 30" MINIMUM AS NEEDED TO MEET THIS REQUIREMENT. NEW DERRICK STONE LAYER SHALL BE MAINTAINED AT 42".

6. THE TYPICAL DIMENSIONS OF THE NEW AND ADDITIONAL SCOUR PROTECTION ARE SHOWN ON THIS SHEET. THESE DIMENSIONS SHALL APPLY TO ALL GATE SECTIONS SHOWN ON SHEETS C4 THROUGH C8.

7. THE SECTIONS WERE DEVELOPED UTILIZING SOUNDING DATA TAKEN IN OCTOBER 1994, SEE REFERENCE DRAWING R19. DUE TO THE NATURAL MIGRATION AND SEDIMENTATION OF THE RIVER BED, THIS DATA IS SUBJECT TO CHANGE.

8. FOR MARKER LOCATIONS AND DESCRIPTIONS FOR SURVEYING PURPOSES, SEE REFERENCE DRAWING R1.



LOCK AND DAM NO.12
MAJOR REHABILITATION
STAGE I

US Army Corps of Engineers
Rock Island District

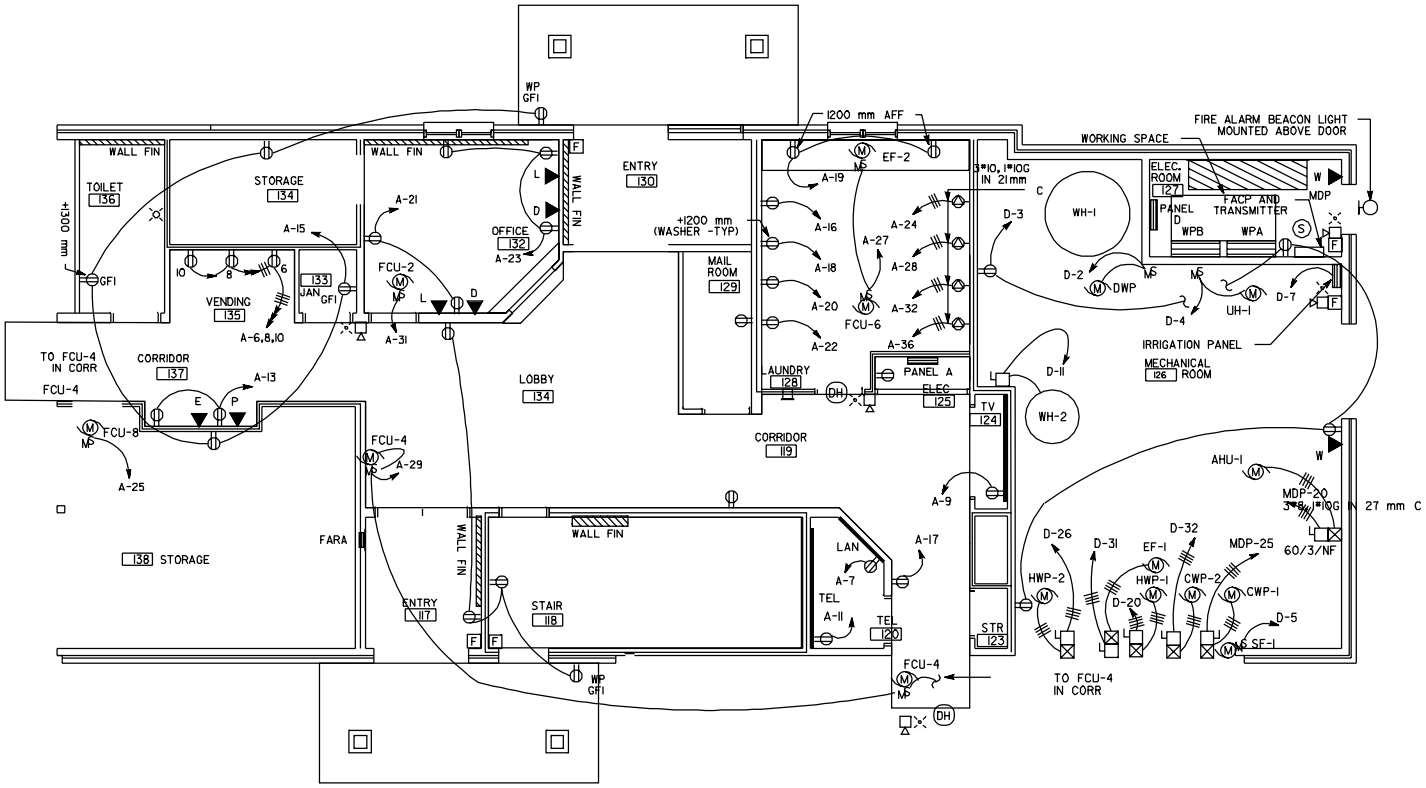
Designed by: HLW
Drawn by: KDW
Checked by: FRJ
Reviewed by: MAM
Date: 22-JUL-95
Scale: AS SHOWN
Drawing Code: N-L 12-119
Project Number: 04-0015-10-4-0015

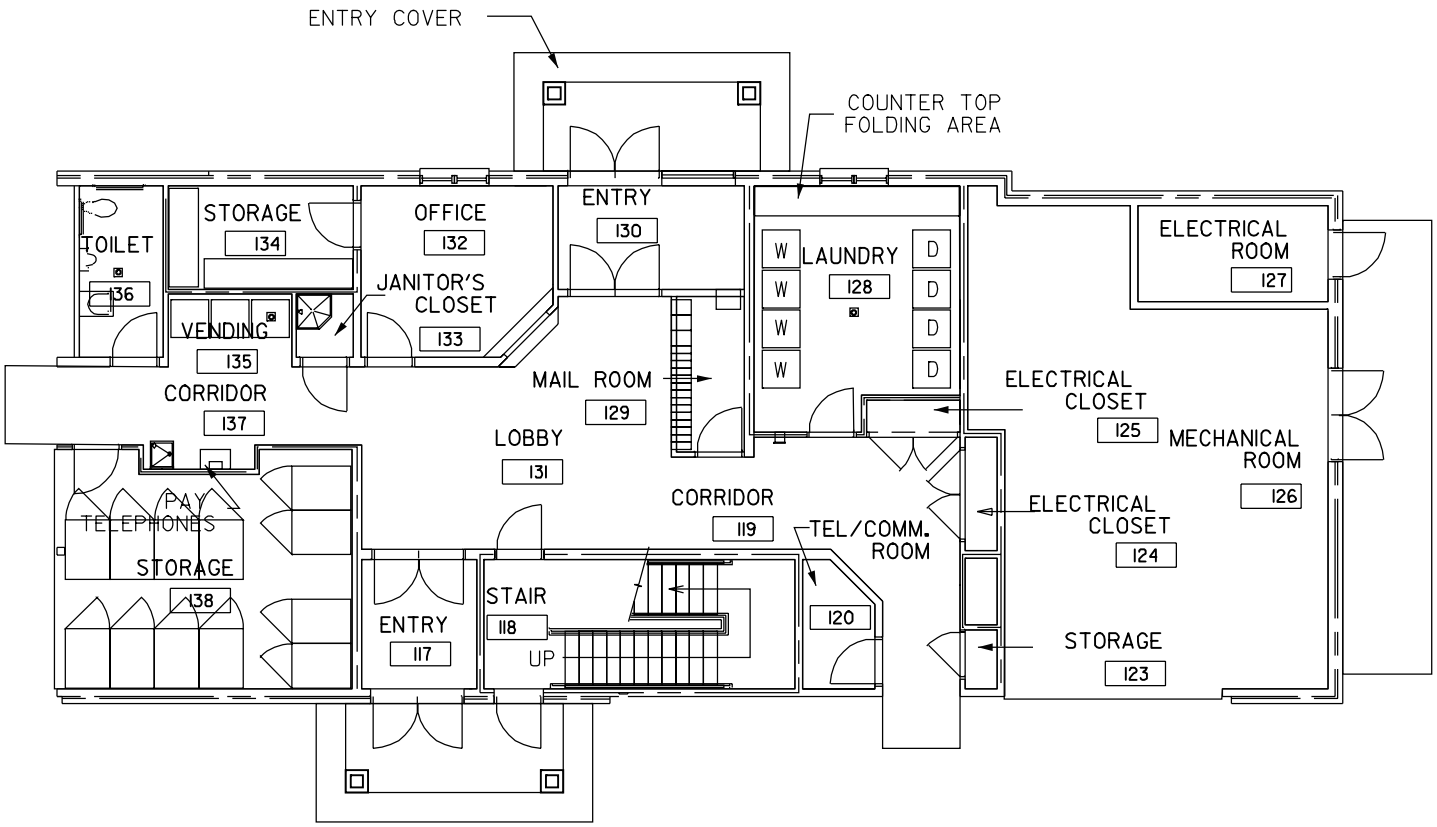
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

LOCK AND DAM NO. 12
MAJOR REHABILITATION
STAGE I

COVER SHEET

Sheet Reference Number:
X1
Sheet 1 of 15


WP GFI
1200 mm AFF
FIRE ALARM BEACON LIGHT MOUNTED ABOVE DOOR
WORKING SPACE
WALL FIN
TOILET 136
STORAGE 134
ENTRY 130
EF-2
3*10, 1*10G IN 21mm
ELEC. ROOM 127
FACP AND TRANSMITTER
PANEL D
WPB
WPA
MDP
+1300 mm
GFI
A-21
A-15
OFFICE 132
A-23
+1200 mm (WASHER -TYP)
A-19
A-16
A-18
A-20
A-22
A-24
A-27
A-28
A-32
A-36
FCU-6
MAIL ROOM 129
WH-1
D-3
D-2
DWP
D-7
UH-1
D-4
IRRIGATION PANEL
MECHANICAL ROOM 126
VENDING 135
JAN 133
FCU-2
A-31
A-6,8,10
TO FCU-4 IN CORR
CORRIDOR 137
FCU-4
A-13
LOBBY 134
LAUNDRY 128
PANEL A
ELEC 125
D-11
WH-2
TV 124
FCU-8
A-25
FCU-4
A-29
CORRIDOR 119
A-9
AHU-1
MDP-20
3*8, 1*10G IN 27 mm C
60/3/NF
138 STORAGE
FARA
WALL FIN
LAN
A-7
A-17
TEL
A-11
TEL 120
STR 123
D-26
HWP-2
D-31
D-20
EF-1
HWP-1
D-32
CWP-2
CWP-1
MDP-25
D-5
SF-1
ENTRY 117
STAIR 118
WP GFI
FCU-4
TO FCU-4 IN CORR
DH


ENTRY COVER
COUNTER TOP FOLDING AREA
TOILET
136
STORAGE
134
OFFICE
132
ENTRY
130
W
W
W
W
LAUNDRY
128
D
D
D
D
ELECTRICAL ROOM
127
VENDING
135
JANITOR'S CLOSET
133
CORRIDOR
137
MAIL ROOM
129
ELECTRICAL CLOSET
125
MECHANICAL ROOM
126
LOBBY
131
PAY TELEPHONES
STORAGE
138
CORRIDOR
119
TEL/COMM. ROOM
ELECTRICAL CLOSET
124
STAIR
118
UP
ENTRY
117
120
STORAGE
123

NOTES, THIS SHEET:

1. LIGHTING IN THE CORRIDOR/LOBBY AREA SHALL BE CONTROLLED BY OCCUPANCY SENSORS AND A TIME CLOCK. FROM 6:00AM UNTIL 11:00PM ALL FIXTURES SHALL BE ON. FROM 11:00PM UNTIL 6:00AM. FIXTURES SHALL COME ON ONLY WHEN TRIGGERED BY THE OCCUPANCY SENSORS (EXCEPT NIGHT LIGHTS SHALL REMAIN ON CONTINUOUSLY).

2. NOT USED.

3. POWER PACK FOR THE OCCUPANCY SENSOR(S) SHALL BE LOCATED IN A RECESSED SWITCH BOX. "OCCUPANCY SENSOR POWER PACK" SHALL BE PERMANENTLY INSCRIBED ON THE BLANK FACEPLATE. THE BOX SIZE (SINGLE OR DOUBLE GANG) SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE OCCUPANCY SENSOR MANUFACTURER. POWER PACKS SHALL BE LOCATED 150mm FROM INSIDE WALL CORNER AND 1220mm AFF.

4. LOCATION OF OCCUPANCY SENSORS IS APPROXIMATE. ACTUAL LOCATIONS AND COVERAGE PATTERNS SHALL BE DETERMINED BY THE OCCUPANCY SENSOR MANUFACTURER FOR COMPLETE ROOM COVERAGE.

5. WIRE COUNTS DO NOT INCLUDE OCCUPANCY SENSOR WIRING. SEE WIRING DIAGRAMS ON PLATE E-18.

6. SEE DETAIL PL E-11 FOR TYPICAL DETAIL FOR MOUNTING RECEPTACLES LOCATED UNDER THE WALL FINS.

7. POWER FOR WALL FIN CONTROLS WILL BE FED FROM THE ASSOCIATED FAN COIL UNIT. SEE PL MC-2.

8. SEE PLATE E-11 FOR TYPICAL DEVICE MOUNTING HEIGHTS AND ALIGNMENT DETAIL.

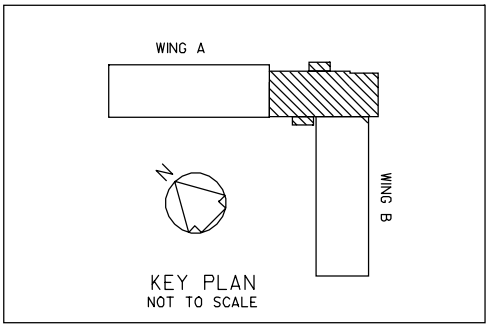
9. ALL TELECOMMUNICATIONS CONDUIT SHALL BE METALLIC.

10. EMERGENCY TELEPHONE (NEXT TO PAY PHONE IN HALL) SHALL BE BRIGHT RED AND HAVE A PLACARD WITH 1/2" LETTERS STATING "911 - EMERGENCY USE ONLY". PHONE SHALL NOT HAVE OUTER DIAL MECHANISM.

THE PHOTOELECTRIC CONTROL SHALL BE CONSTRUCTED TO FIT IN A STANDARD RAINTIGHT JUNCTION BOX. THE BOX SHALL BE RECESSED INTO THE WALL AND THE FACEPLATE SHALL BE FLUSH WITH THE WALL. THE ENCLOSURE SHALL BE A WEATHER RESISTANT MOLDED LEXAN WITH ULTRASONICALLY WELDED SEAMS. THE CELL SHALL BE AN EPOXY COATED CADMIUM SULPHIDE CELL OF 10mm DIAMETER. THE CELL SHALL INCLUDE A BUILT IN DELAY OF UP TO TWO MINUTES TO PREVENT FALSE SWITCHING DUE TO MOMENTARY FLASHES OF LIGHT. THE PHOTOELECTRIC CONTROL SHALL TURN ON AT 30 TO 50 LUX AND SHALL TURN OFF AT APPROXIMATELY 90 TO 150 LUX. THE FACEPLATE SHALL BE STAINLESS STEEL AND SHALL BE GASKETED. THE TEMPERATURE RATING SHALL BE -40 TO +60 DEGREES CELSIUS. THE COTACTS SHALL BE NORMALLY CLOSED, AND THE UNIT SHALL FAIL IN THE ON POSITION.

PHOTOELECTRIC CELL

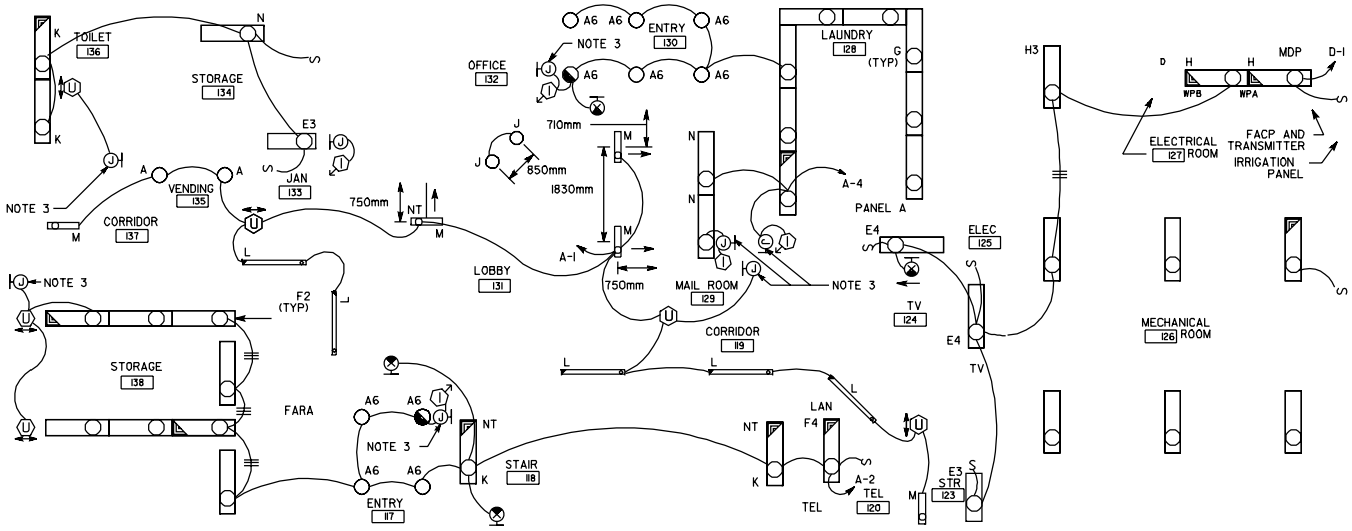
NOT TO SCALE



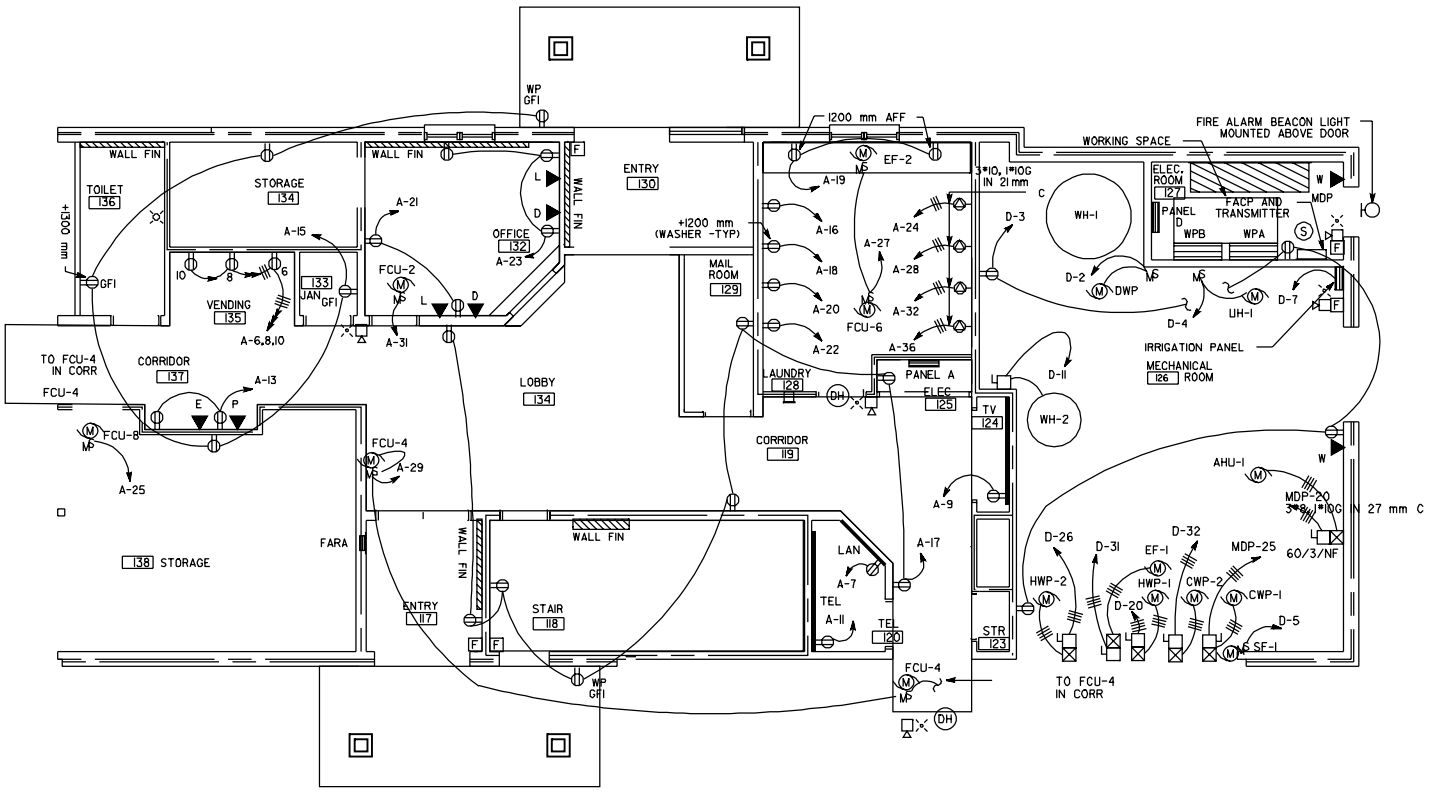
KEY PLAN
NOT TO SCALE

1000 500 0 1000 2000 3000 4000 5000

GRAPHIC SCALE 1:50



TOILET
136
STORAGE
134
E3
JAN
133
VENDING
135
CORRIDOR
137
NOTE 3
750mm
NT
LOBBY
131
OFFICE
132
ENTRY
130
A6
710mm
850mm
1830mm
A-1
750mm
MAIL ROOM
129
CORRIDOR
119
LAUNDRY
128
G
(TYP)
A-4
PANEL A
E4
TV
124
ELEC
125
H3
D
H
MDP
D-1
WPB
WPA
ELECTRICAL
127
ROOM
FACP AND
TRANSMITTER
IRRIGATION
PANEL
MECHANICAL
126
ROOM
F2
(TYP)
STORAGE
138
FARA
ENTRY
117
STAIR
118
LAN
F4
A-2
TEL
120
STR
123


WP GFI
1200 mm AFF
FIRE ALARM BEACON LIGHT MOUNTED ABOVE DOOR
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WALL FIN
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ENTRY 130
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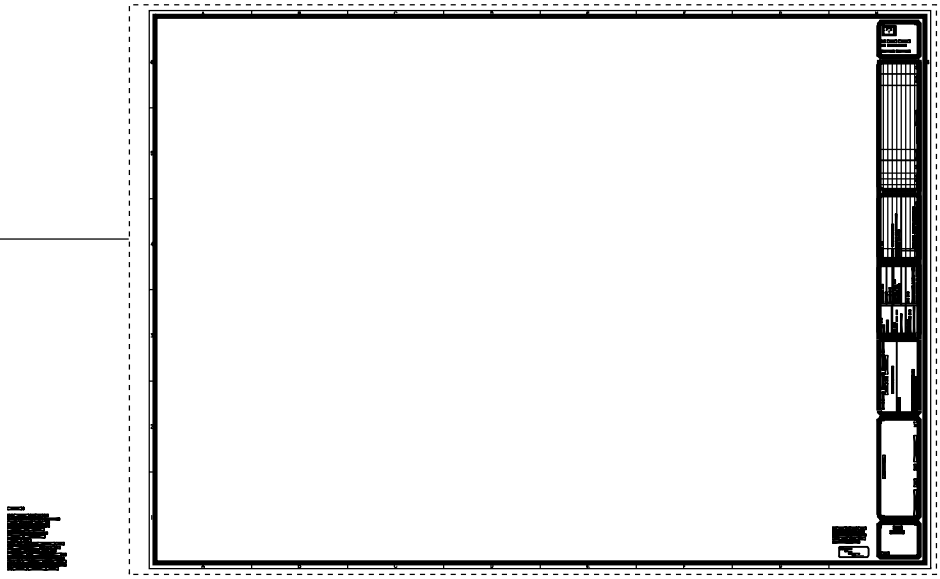
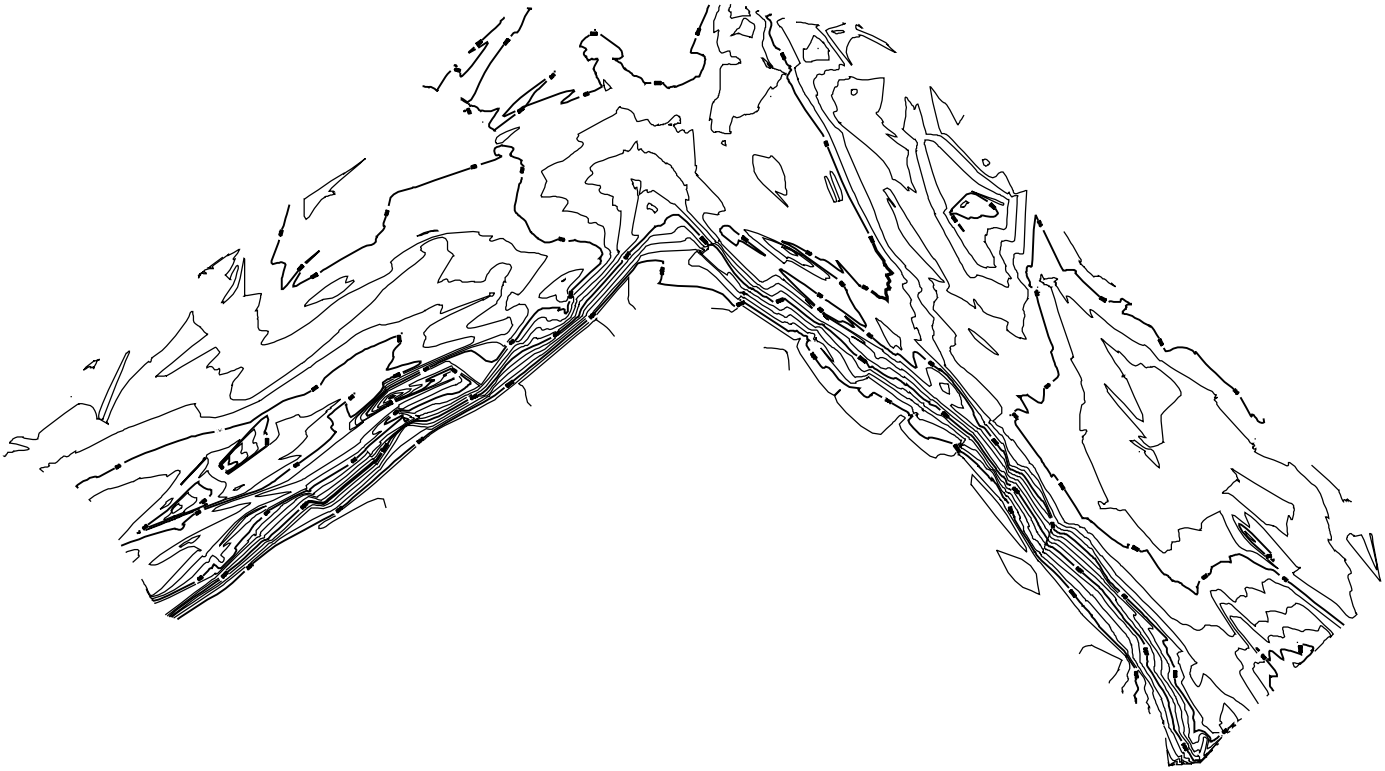
A-18
A-20
A-22
A-24
A-27
A-28
A-32
A-36
FCU-6
3*10, 1*10G IN 21 mm C
D-3
WH-1
ELEC. ROOM 127
FACP AND TRANSMITTER
PANEL D
WPB
WPA
MDP
D-2
DWP
D-4
UH-1
D-7
IRRIGATION PANEL
MECHANICAL ROOM 126
10
8
6
VENDING 135
133 JAN
GFI
FCU-2
A-31
A-6,8,10
TO FCU-4 IN CORR
FCU-4
CORRIDOR 137
A-13
E
P
FCU-8
A-25
LOBBY 134
LAUNDRY 128
PANEL A
ELEC 125
D-11
WH-2
TV 124
CORRIDOR 119
FCU-4
A-29
A-9
AHU-1
MDP-20
3*8, 1*10G IN 27 mm C
60/3/NF
138 STORAGE
FARA
WALL FIN
WALL FIN
LAN
A-7
A-17
D-26
D-31
EF-1
D-32
MDP-25
HWP-2
HWP-1
CWP-2
CWP-1
D-20
D-5
SF-1
ENTRY 117
STAIR 118
TEL
A-11
TEL 120
STR 123
WP GFI
FCU-4
TO FCU-4 IN CORR
DH

MODIFIED A1 SIZE

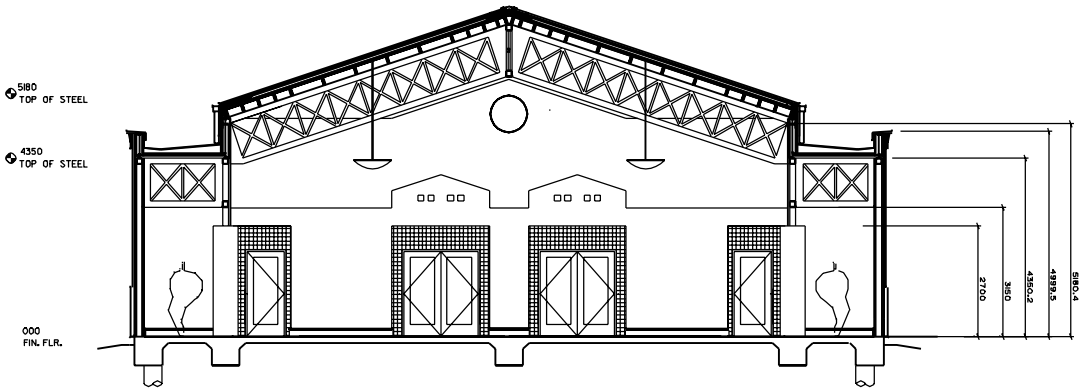
DASHED LINE IS ACTUAL CUT LINE
TENTATIVE TO THIS LINE FOR PLOTTING
SIZES:
594 X 841 mm (Full-size)
297 X 420.5 mm (Half-size)





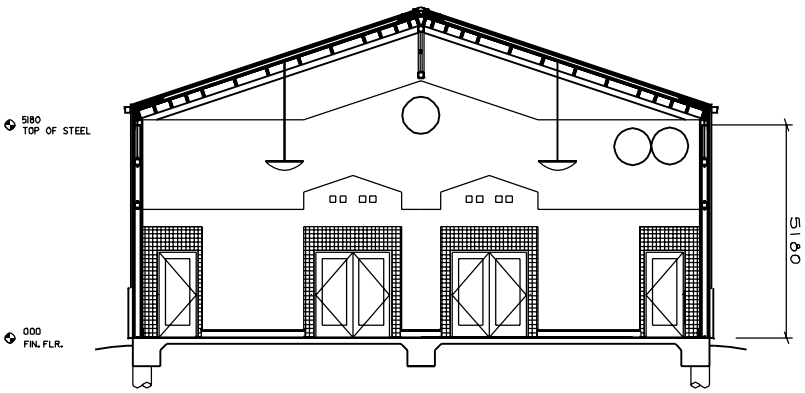
GENERAL NOTES:

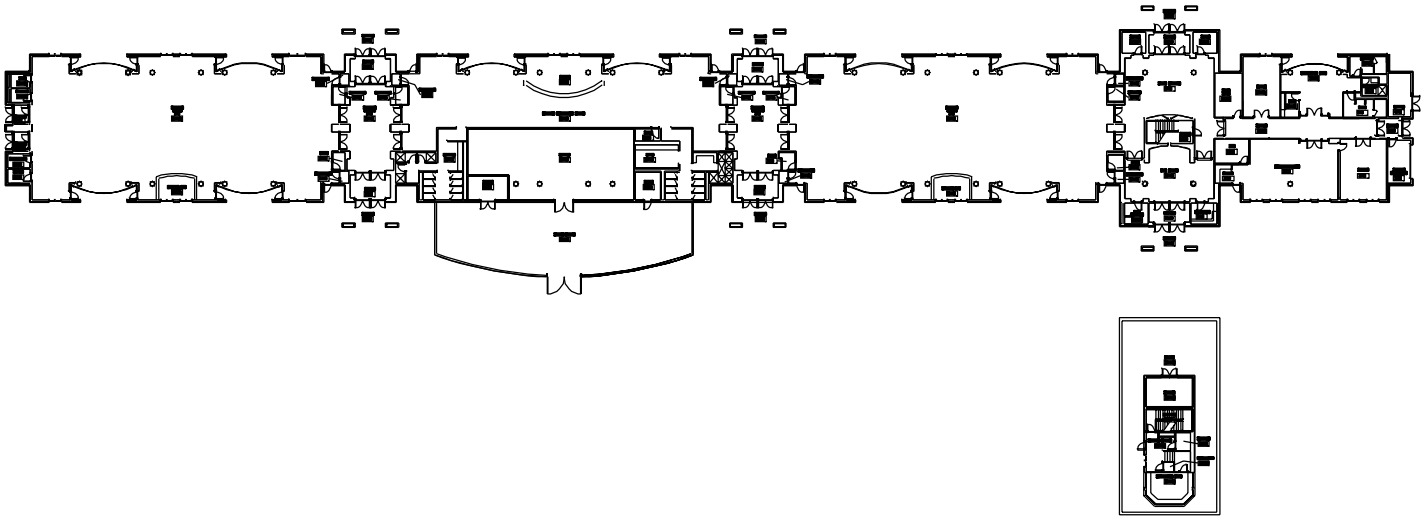
1. UNLESS OTHERWISE SHOWN, DIMENSIONS ARE FROM FACE OF CONCRETE MASONRY UNITS & FACE OF METAL STUDS.



KEYED NOTES

1 XXX





Turn out sheet along this line - CUT LINE

Trimmer edge

1 2 3 4 5

D

C

B

A

US Army Corps of Engineers
Fort Worth District

Symbol	Description	Date	Appr.

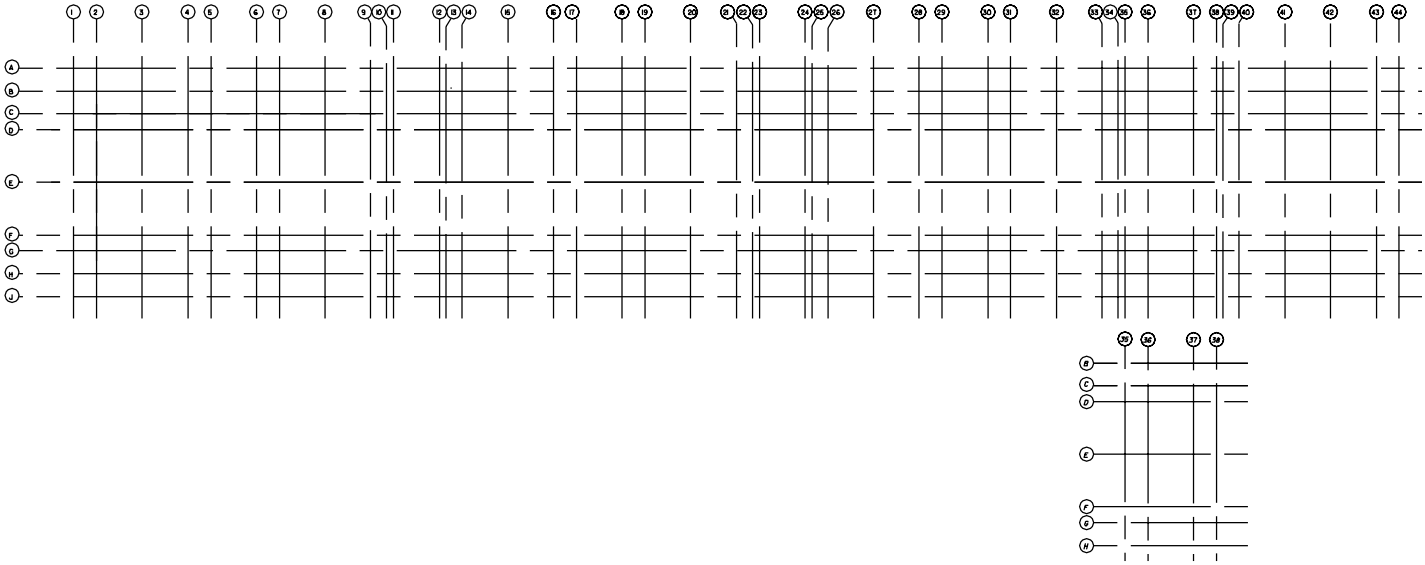
Designed by		Date	Rev.
Dwn by	Ckd by	Design file no.	
Reviewed by		Drawing order	
Submitted by		Contract Number	
Chief, Arch. Branch		Plot scale	

U.S. ARMY ENGINEER DISTRICT, CORPS OF ENGINEERS FORT WORTH, TEXAS

ENGINEERING DIVISION
MILITARY DESIGN BRANCH

FORT HOOD, TEXAS
FIXED WING AIRCRAFT PARK
PH 16-1-96

AIR PASSENGER TERMINAL

Sheet reference numbers

Sheet 1 of