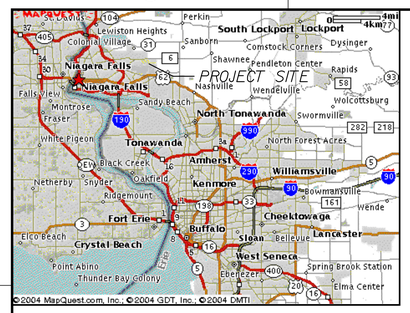
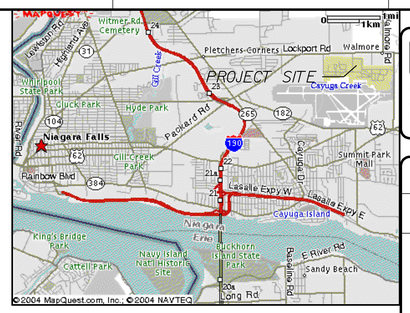


General Map



Area Map

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

NIAGARA FALLS AIR RESERVE STATION

MILITARY ENTRANCE PROCESSING STATION

M E P S

PN 59873

INVITATION FOR BID DECEMBER 2004

DESIGNED BY:

US Army Engineer District, New York
Engineering Division Design Branch
Jacob K Javits Federal Building
26 Federal Plaza
New York, N.Y. 10278–0900

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	ISSUED FOR IFB	12/02/04	
	90% SUBMISSION	10/04/04	
	30% SUBMISSION	06/01/04	
	15% SUBMISSION	03/05/04	

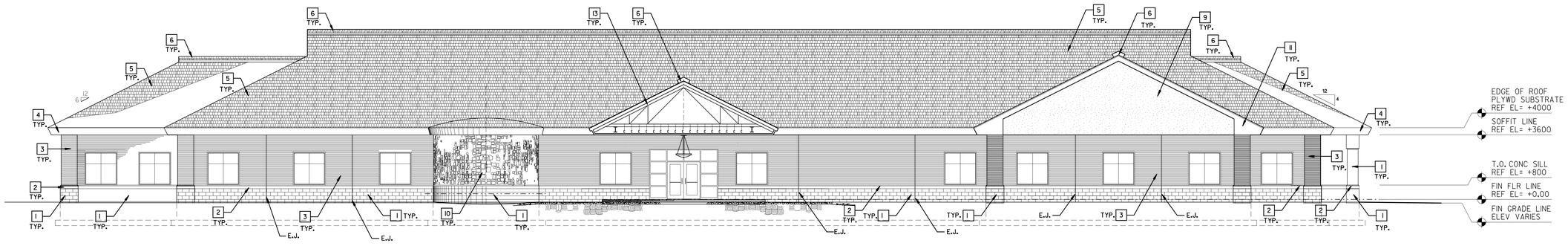
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Designed by:
Dwn by:
Ckd by:
Reviewed by:
Submitted by:
Chief,
Date:
Size: A1
Files:
Drawing file no.:
Drawing code:
Plot date: 03-DEC-2004 13:27
Plot by: eBenckhr
Scale: 0.078740:1.000000
File name: S:\Navcom\military\Niagara Fall AFB\MEPS\General\G-001.dgn

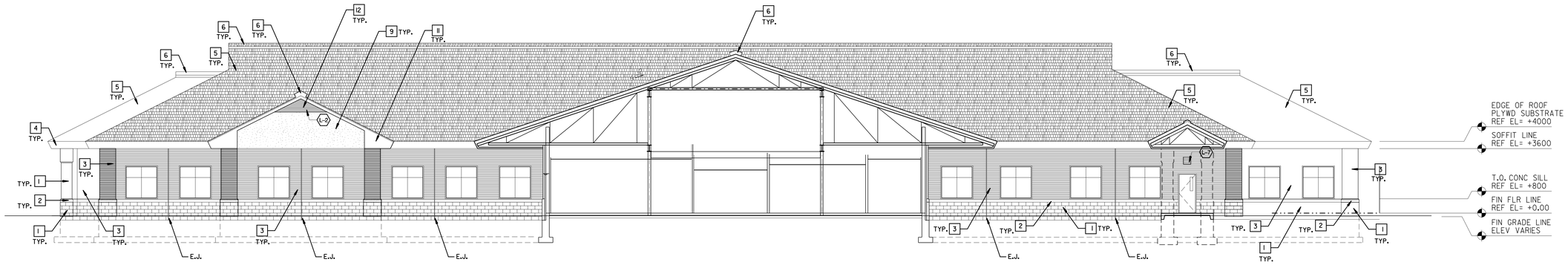
PN 59873
NIAGARA FALLS AIR RESERVE STATION STATION
MILITARY ENTRANCE PROCESSING STATION

COVER SHEET

Sheet reference number:
G–001



1 WEST ELEVATION
SCALE: 1:100



2 EAST ELEVATION
SCALE: 1:100

MATERIALS LIST

1. SPLIT FACE CMU
2. CAST STONE TRIM
3. FACE BRICK
   MANUFACTURER: CUNNINGHAM BRICK CO.
   COLOR: WINESTONE VELOUR
4. ALUMINUM CLAD FASCIA
5. COMPOSITION SHINGLES
6. VENTED RIDGE CAP
7. ARMED SERVICES PANEL
8. CURVED WALL
9. EIFS
   MANUFACTURER: DRYVIT
   SANDBLAST DPR
   COLOR: TO MATCH STONE VENEER
10. STONE VENEER
    MANUFACTURER: ARRISCRAFT INTERNATIONAL
    COLLECTION: CITADEL
    COLOR: DESERT BROWN
11. SOFFIT
12. METAL LOUVER
13. FRONT ENTRANCE CANOPY

NOTES

COLORS AND MANUFACTURERS INDICATED ON LIST OF MATERIALS ARE FOR REFERENCE ONLY AND ARE NOT INTENDED TO LIMIT SELECTION OF MANUFACTURERS.

"COLD ROOF" VENTILATION CALCULATIONS

1. VALUES ARE FOR A 4:12 ROOF SLOPE
2. ROOF THERMAL RESISTANCE =R 30
3. AIR WAY HEIGHT = 50mm
4. AIR WAY LENGTH = 15,392mm
5. TOTAL VENTED SOFFIT LENGTH = 205,200mm
6. TOTAL VENTED RIDGE LENGTH = 107,600mm
7. SOFFIT NET FREE AREA = 8,516sq.mm/1In ft / OF SOFFIT

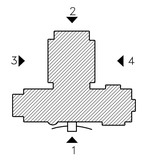
8516 sq mm X 205.2M OF SOFFIT = 1,747,483 sq mm TOTAL FREE AREA AT SOFFIT
1,747,483 sq mm SOFFIT FREE AREA / 107.6M OF RIDGE LENGTH=16,240.5 sq mm OF RIDGE FREE AREA PER FT.OF RIDGE.
16,240.5 sq mm OF RIDGE FREE AREA / 2 = 8,120 sq.mm FREE AREA / SIDE OF RIDGE

NOTES

1) ITEM #7 (SOFFIT NET FREE AREA) HAS BEEN CALCULATED BASED ON 'CRELL' CRITERIA FOR "ATTIC & CATHEDRAL CEILING VENTILATION"

2) SHEATHING GAP AT RIDGE MUST BE CONTINUOUS AND A MINIMUM OF 125mm WIDE.

1



KEY PLAN
SCALE: NONE

ALL DIMENSIONS ARE GIVEN IN MILLIMETERS.
0 1 2 4 6 8 10M
SCALE 1 : 100

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT #1-ADDED COLD ROOF CALCULATIONS	12/02/04	
	90% SUBMISSION	10/04/04	
	60% SUBMISSION	08/04/04	
	35% SUBMISSION	05/04/04	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

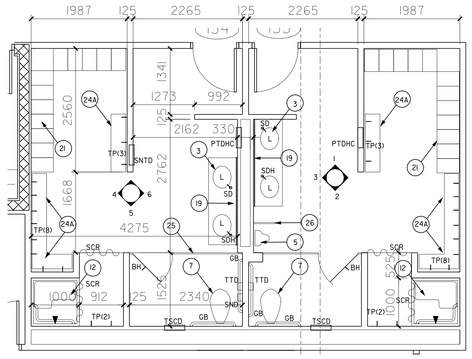
Designed by: | Date: | Size | Rev.
Dwn by: | Ckd by: | Drawing file no:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 10:53 | Plot by: eJenovah | Scale: 10.000000000000
File name: S:\Benson\military\Niagara Falls\MEPS\Architecture\35%\Design\PRN1373-A-201.dgn

MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY
PN 59873

BUILDING ELEVATIONS

Sheet reference number:
A–201

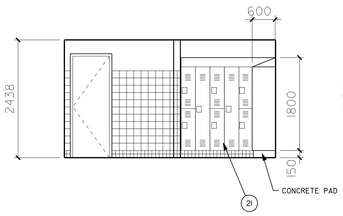
Submitted by: eJenovah
Plot Date: 03-DEC-2004 10:53
Saf:\Nor\admin\Nor\pw\Nyd\pre Fail AFB\MEP\Architecture\35%\Design\PRN1373-A-201.dgn



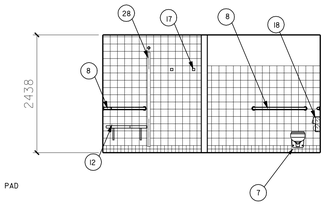
A
A101 A401
A101C

WOMENS LOCKER RM 134
MENS LOCKER RM 133

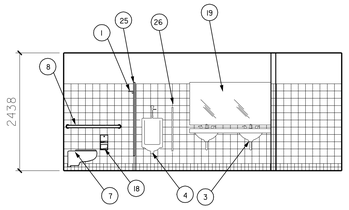
SCALE: 1 : 50



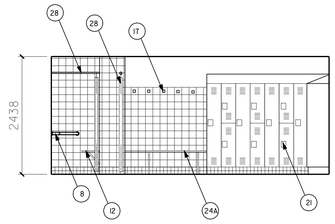
1 ELEVATION
SCALE: 1 : 50



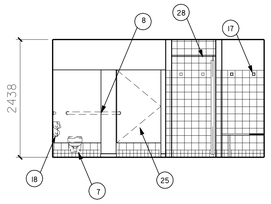
2 ELEVATION
SCALE: 1 : 50



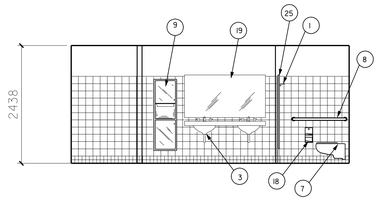
3 ELEVATION
SCALE: 1 : 50



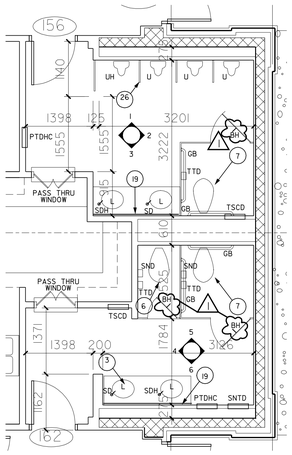
4 ELEVATION
SCALE: 1 : 50



5 ELEVATION
SCALE: 1 : 50



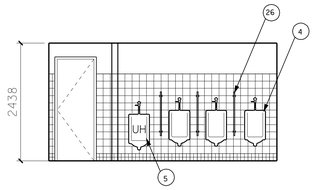
6 ELEVATION
SCALE: 1 : 50



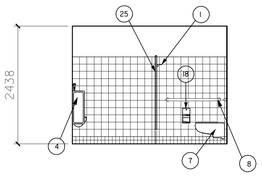
B
A101 A401
A101B

MALE URINALYSIS RM 156
FEMALE URINALYSIS RM 162

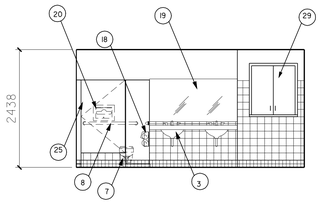
SCALE: 1 : 50



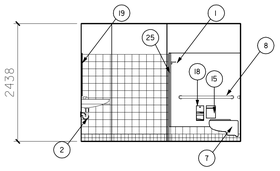
1 ELEVATION
SCALE: 1 : 50



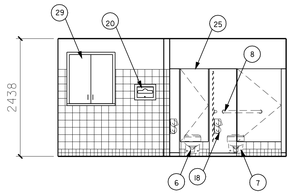
2 ELEVATION
SCALE: 1 : 50



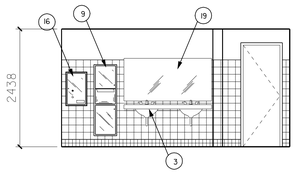
3 ELEVATION
SCALE: 1 : 50



4 ELEVATION
SCALE: 1 : 50



5 ELEVATION
SCALE: 1 : 50



6 ELEVATION
SCALE: 1 : 50

LEGEND

	GYPSUM BOARD & METAL STUD WALL
	CMU WALL
3	NEW DOOR & DOOR NUMBER
7 / 8 / 5 / 6	INTERIOR ELEVATION MARKER
A	WALL PARTITION TYPE (DWG. A-503)
6 / D	COLUMN GRID INDICATOR
	REINFORCED CONCRETE WALL
	COLUMN
24	BATHROOM ACCESSORY INDICATOR

SCHEDULE FOR TOILET ROOM ACCESSORIES

	ABBV.	ACCESSORIES	TOTAL QTY.
1	BH	BUMPER HOOK	10
2	——	NOT USED	0
3	L	LAVATORY	21
4	U	URINAL	4
5	UH	URINAL HANDICAPPED	3
6	WC	WATER CLOSET	6
7	WCH	WATER CLOSET HANDICAPPED	6
8	GB	GRAB BAR	12
9	PTDHC	PAPER TOWEL DISPENSER/RECEPTACLE HANDICAPPED	6
10	PTD	PAPER TOWEL DISPENSER	7
11	PTDWR	PAPER TOWEL DISPENSER/WASTE RECEPTACLE	2
12	SHO	SHOWER WITH FOLD UP SEAT	2
13	SD	SOAP DISPENSER (DECK MOUNTED)	9
14	SDH	SOAP DISPENSER HANDICAPPED (DECK MOUNTED)	6
15	SND	SANITARY NAPKIN DISPOSAL	7
16	SNTD	SANITARY NAPKIN & TAMPON DISPENSER (RECESS)	3
17	TP	TOWEL PIN / CLOTHING HOOKS	60
18	TTD	TOILET TISSUE DISPENSER	12
19	MG	MIRROR GLASS	13
20	TSCD	TOILET SEAT COVER DISPENSER (RECESS)	8
21	——	LOCKERS W/ SLOPED TOP	36
22	SS	SERVICE SINK	1
23	SMHD	SHELF, METAL, HEAVY DUTY	1
24A	——	BENCH	
24B	——	NOT USED	
25	——	TOILET PARTITION	
26	——	URINAL PARTITION	
27	——	MOP RACK	1
28	SCR	SHOWER CURTAIN AND ROD	4
29	——	PASS THRU WINDOW W/ FROSTED GLASS	2
30	BCS	BABY CHANGING STATION	2
31	WR	WASTE RECEPTACLE	

NOTES:

1. SEE DWG. A-105 FOR WALL & FLOOR TILE PATTERNS.
2. SEE DWG. A-600 FOR INTERIOR FINISH SCHEDULE.
3. SEE DWG. A-701, DETAIL 19 FOR LAVATORY DETAIL.
4. ALL TOILET PARTITIONS DOORS @ ROOM 156 AND ROOM 162 ARE TO BE INSTALLED IN A 90 DEGREE OPEN POSITION.

1 0 1 2 m
SCALE: 1:50

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS.

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT #1- ADDED NOTE FOR TOILET PARTITION DOORS	12/02/04	
	90% SUBMISSION	10/04/04	
	60% SUBMISSION	06/09/04	
	15% SUBMISSION	03/19/04	

Designed by: | Date: | Size: | Rev.
Dwn by: | Ckd by: | Drawing file no:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 10:53 | Plot by: admcnam | Scale: SCALE:50(ARCH)
File name: S:\Memorandums\Stages, F&A\FB\MEPS\Architectural\90%, Design\FB\MEPS_A-401.dgn

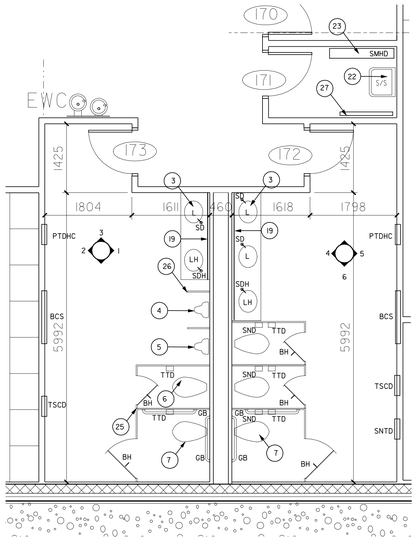
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

PN 59873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

ENLARGED BATHROOM PLANS & ELEVATIONS

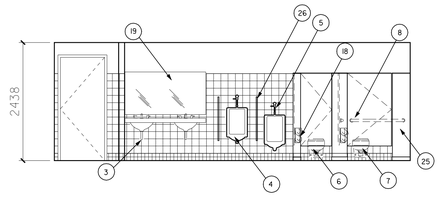
Sheet reference number:
A–401

Submitted by: e3endnam
Saf file=admin:filter s=Nulgore Fail: AFB\MEPS\Architectural\90% Design\FB\MEPS\A-401.dgn
Plot Date: 03-DEC-2004 10:53

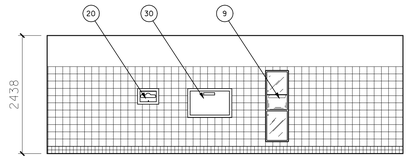


JANITORS CLOSET RM 171
WOMENS TOILET RM 172
MENS TOILET RM 173

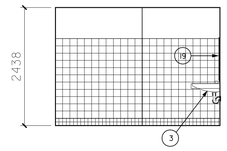
C A101 A402 A101B SCALE: 1 : 50



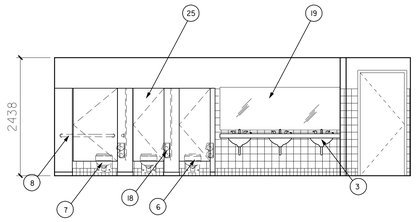
1 ELEVATION
SCALE: 1 : 50



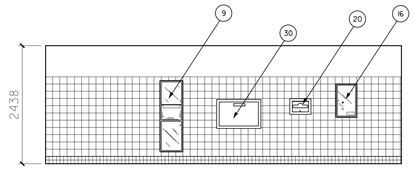
2 ELEVATION
SCALE: 1 : 50



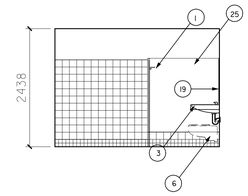
3 ELEVATION
SCALE: 1 : 50



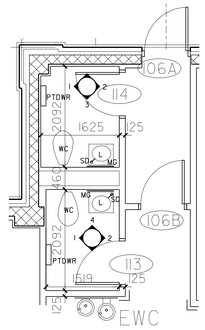
4 ELEVATION
SCALE: 1 : 50



5 ELEVATION
SCALE: 1 : 50

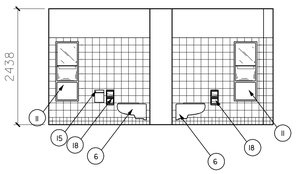


6 ELEVATION
SCALE: 1 : 50

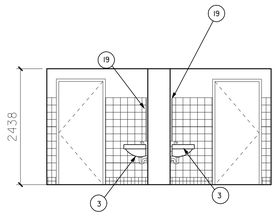


WOMENS TOILET RM 113
MENS TOILET RM 114

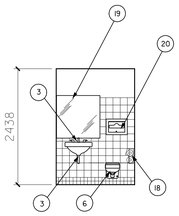
D A101 A402 A101A SCALE: 1 : 50



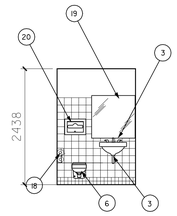
2 ELEVATION
SCALE: 1 : 50

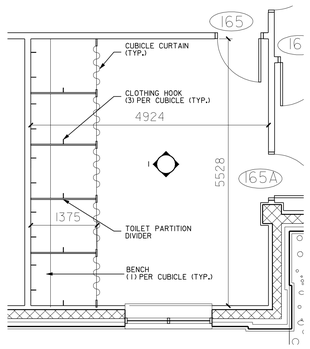


3 ELEVATION
SCALE: 1 : 50

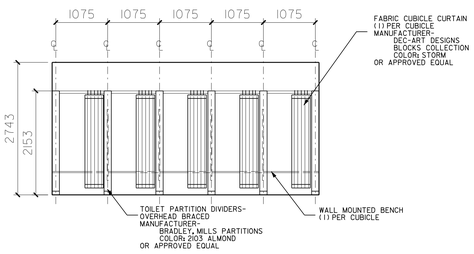


4 ELEVATION
SCALE: 1 : 50





E A101 A402 A101B FEMALE ORTHO ROOM 165
SCALE: 1 : 50



1 ELEVATION
SCALE: 1 : 50

NOTE:
ALL MAUFACTURER'S COLORS, PATTERNS & TYPE INDICATED ARE FOR REFERENCE PURPOSES ONLY. THE REFERENCES ARE USED TO INDICATE THE INTENDED TYPE, DETAIL, COLOR AND PATTERN. IT IS NOT INTENDED TO LIMIT THE SELECTION OF OTHER MANUFACTURERS PRODUCTS OF SIMLAR TYPE, DETAIL, COLOR, & PATTERN.

LEGEND

	GYPSUM BOARD & METAL STUD WALL
	CMU WALL
3	NEW DOOR & DOOR NUMBER
7 5 8 6	INTERIOR ELEVATION MARKER
A	WALL PARTITION TYPE (DWG. A-503)
6 D	COLUMN GRID INDICATOR
	REINFORCED CONCRETE WALL
	COLUMN
24	BATHROOM ACCESSORY INDICATOR

SCHEDULE FOR TOILET ROOM ACCESSORIES

	ABBV.	ACCESSORIES	TOTAL QTY.
1	BH	BUMPER HOOK	10
2	——	NOT USED	0
3	L	LAVATORY	21
4	U	URINAL	4
5	UH	URINAL HANDICAPPED	3
6	WC	WATER CLOSET	6
7	WCH	WATER CLOSET HANDICAPPED	6
8	GB	GRAB BAR	12
9	PTDHC	PAPER TOWEL DISPENSER/RECEPTACLE HANDICAPPED	6
10	PTD	PAPER TOWEL DISPENSER	7
11	PTDWR	PAPER TOWEL DISPENSER/WASTE RECEPTACLE	2
12	SHO	SHOWER WITH FOLD UP SEAT	2
13	SD	SOAP DISPENSER (DECK MOUNTED)	9
14	SDH	SOAP DISPENSER HANDICAPPED (DECK MOUNTED)	6
15	SND	SANITARY NAPKIN DISPOSAL	7
16	SNTD	SANITARY NAPKIN & TAMPON DISPENSER (RECESS)	3
17	TP	TOWEL PIN / CLOTHING HOOKS	60
18	TTD	TOILET TISSUE DISPENSER	12
19	MG	MIRROR GLASS	13
20	TSCD	TOILET SEAT COVER DISPENSER (RECESS)	8
21	——	LOCKERS W/ SLOPED TOP	36
22	SS	SERVICE SINK	1
23	SMHD	SHELF, METAL, HEAVY DUTY	1
24A	——	BENCH	
24B	——	NOT USED	
25	——	TOILET PARTITION	
26	——	URINAL PARTITION	
27	——	MOP RACK	1
28	SCR	SHOWER CURTAIN AND ROD	4
29	——	PASS THRU WINDOW W/ FROSTED GLASS	2
30	BCS	BABY CHANGING STATION	2
31	WR	WASTE RECEPTACLE	

NOTES:

1. SEE DWG. A-105 FOR WALL & FLOOR TILE PATTERNS.
2. SEE DWG. A-600 FOR INTERIOR FINISH SCHEDULE.
3. SEE DWG. A-701, DETAIL 19 FOR LAVATORY DETAIL.
4. ALL TOILET PARTITIONS DOORS @ ROOM 156 AND ROOM 162 ARE TO BE INSTALLED IN A 90 DEGREE OPEN POSITION.

1

SCALE: 1:50

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS.

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT #1- ADDED NOTE FOR TOILET PARTITION DOORS	12/12/04	
	90% SUBMISSION	10/14/04	
	60% SUBMISSION	08/10/04	
	15% SUBMISSION	03/19/04	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Designed by: | Date: | Size: | Rev.
Dwn by: | Ckd by: | Drawing file no.:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 10:53 | Plot by: admcnish | Plot file: ap_0000000000
File name: S:\Source\military\Niagara Falls\FBI\MEPS\Architectural\A\PK Design\FBI\MEPS-A402.dgn

MILITARY ENTRANCE PROCESSING STATION (MEPS)
PN 58973
NIAGARA FALLS, NY

ENLARGED BATHROOM PLANS & ELEVATIONS

Sheet reference number:
A–402

Submitted by: admcnish
Settled-dwnmilitarypkNiagara Falls AFBAMEPS\Architectural\PK\PK Design\PK\MEPS-A402.dgn
Plot Date: 03-DEC-2004 10:53

ROOM FINISH SCHEDULE

ROOM NO.	ROOM	FLOOR MAT.	FLOOR FINISH	FLOOR COLOR	BASE MAT.	BASE FINISH	BASE COLOR	WEST WALL MAT.	WEST WALL FINISH	WEST WALL F.R. (HOUR)	EAST WALL MAT.	EAST WALL FINISH	EAST WALL F.R. (HOUR)	NORTH WALL MAT.	NORTH WALL FINISH	NORTH WALL F.R. (HOUR)	SOUTH WALL MAT.	SOUTH WALL FINISH	SOUTH WALL F.R. (HOUR)	CEILING MAT.	CEILING FINISH	CEILING F.R. (HOUR)	CEILING HEIGHT (mm)	NOTES
101	VESTIBULE	PPT	NON-SLIP	PPT-1,2,3	PPT	NON-SLIP	PPT-1,2	GL			GL			GWB	PT-1		GWB	PT-1		GWB			3657	1, 5, 6, 11
102	MAIN LOBBY	PPT	POLISHED	PPT-1,2,3	PPT	POLISHED	PPT-1,2	GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		ACT-1			4267	5, 6, 11
102A	MAIN LOBBY	PPT	POLISHED	PPT-1,2,3	PPT	POLISHED	PPT-1,2	GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		ACT-1			4267	5, 6, 11
102B	MAIN LOBBY	PPT	POLISHED	PPT-1,2,3	PPT	POLISHED	PPT-1,2	GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		ACT-1			4267	5, 6, 11
102C	MAIN LOBBY	PPT	POLISHED	PPT-1,2,3	PPT	POLISHED	PPT-1,2	GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		ACT-1			4267	5, 6, 11
103	BRIEFING ROOM	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1 PT-1		GWB	VWC-1 PT-1		GWB	VWC-1 PT-1		GWB	VWC-1 PT-1		ACT-1			2743	6
104	CEREMONY ROOM	CPT		CPT-3	OAK TRIM		WST-1	GWB	PT-3		GL GWB	VWC-1		WOOD VENEER	WST-1		WOOD VENEER	WST-1		ACT-2 GWB			3048	6, 8
105	VISITORS WAITING ROOM	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		ACT-1			3048	6
106	WAITING AREA	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		ACT-1			3048	6
106A	CORRIDOR	VCT		VCT-1,2,3	VWB		VWB-1	IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		ACT-1			2438	5, 6
107	AIR FORCE	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
108	ARMY	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
109	SECURITY INTERVIEW	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
110	NAVY	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
111	NAVY ADVANCE PLACEMENT TEST ROOM	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-2			2743	
112	COAST GUARD	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
113	WOMEN'S TOILET	CMT		CMT-2	CMT		CMT-2	WR GWB	CMT-1,2,3 PT-1		WR GWB	CMT-1,2,3 PT-1		WR GWB	CMT-1,2,3 PT-1		WR GWB	CMT-1,2,3 PT-1		WR GWB	PT-2		2438	3, 4
114	MEN'S TOILET	CMT		CMT-2	CMT		CMT-2	WR GWB	CMT-1,2,3 PT-1		WR GWB	CMT-1,2,3 PT-1		WR GWB	CMT-1,2,3 PT-1		WR GWB	CMT-1,2,3 PT-1		WR GWB	PT-2		2438	3, 4
115	NATIONAL GUARD	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
116	MARINE CORPS.	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
117	ELECTRICAL CLOSET	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-2		2438	
118	GAME ROOM	VCT		VCT-1,2,3	VWB		VWB-1	IR GWB	VWC-1		IR GWB	VWC-1		IR GWB	VWC-1		IR GWB	VWC-1		ACT-1			2743	5
119	FILES ROOM	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
120	COPY / PACKET BREAKDOWN ROOM	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
121	CORRIDOR	VCT		VCT-1,2,3	VWB		VWB-1	IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		ACT-1			2438	5, 6
121A	CORRIDOR	VCT		VCT-1,2,3	VWB		VWB-1	IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		ACT-1			2438	5, 6
121B	CORRIDOR	VCT		VCT-1,2,3	VWB		VWB-1	IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		ACT-1			2438	5, 6
122	OPERATIONS ADMINISTRATION	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
123	PROCESSING NCO	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
124	OPERATIONS OFFICER	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
125	TRAVEL AGENCY	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
126	SYSTEMS ADMINISTRATOR	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
127	MIRS/ COMMUNICATION	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		ACT-1			2743	
128	CONFERENCE ROOM	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		ACT-2			2743	6
129	HEADQUARTERS ADMINISTRATION	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
130	BUDGET TECHNICIAN	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
131	COMMANDER	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		ACT-1			2743	6
132	STATION NCO	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
133	MEN'S TOILET	CMT		CMT-1,2,3	CMT		CMT-2	WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	PT-2		2438	3, 4
134	WOMEN'S TOILET	CMT		CMT-1,2,3	CMT		CMT-2	WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	PT-2		2438	3, 4
135	MAIL ROOM	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-2		2438	
136	STAFF LOUNGE	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1 PT-1		GWB	VWC-1 PT-1		GWB	VWC-1 PT-1		GWB	VWC-1 PT-1		ACT-1			2743	6
137	SUPPLY STORAGE ROOM	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		ACT-1			2743	
138	ELECTRICAL ROOM	SEAL. CONC.						CMU	PT-1		CMU	PT-1		CMU	PT-1		CMU	PT-1		EXP STR				
139	MECHANICAL ROOM	SEAL. CONC.						CMU	PT-1		CMU	PT-1		CMU	PT-1		CMU	PT-1		EXP STR				
140	SECURE TEST STORAGE & SCORING	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		ACT-1			2743	
141	ASVAB STORAGE ROOM	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		ACT-1			2743	
142	TEST COORDINATOR EDUCATION SERVICES SPECIALIST	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
143	TESTING ADMINISTRATION	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
144	TEST CONTROL OFFICER	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
145	CAT-ASVAB TEST ROOM	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-2			2743	
146	TEST ROOM	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-2			2743	
147	TEST ROOM	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-2			2743	
148	FOOD STORAGE	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-2		2438	
149	FOOD PREPARATION AREA	PPT	NON-SLIP	PPT-2,3	PPT	NON-SLIP	PPT-2	GWB	PT-1		WR GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-2		2438	4, 11
150	APPLICANT DINING	PPT	POLISHED	PPT-1,2,3	PPT	POLISHED	PPT-1,2	IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		ACT-1			3657	5, 6, 11
151	MEDICAL BRIEFING	CPT		CPT-2	VWB		VWB-1	GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		GWB	VWC-1 VWC-3		ACT-1			2743	6
152	WAITING AREA	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		GWB	VWC-1 VWC-2		ACT-1			3048	6
152A	CORRIDOR	VCT		VCT-1,2,3	VWB		VWB-1	IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		ACT-1			2438	5, 6
153	MALE ORTHO	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			3048	
154	CHIEF MEDICAL OFFICER	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
155	EXAM ROOM	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
156	MALE URINALYSIS	CMT		CMT-2	CMT		CMT-2	WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	PT-2		2438	3, 4
157	EXAM ROOM	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
158	EXAM ROOM	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
159	LABORATORY	VCT		VCT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		WR GWB	VWC-1		ACT-1			2743	4
159A	SEROLOGY	VCT		VCT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1					ACT-1			2743	10
159B	SEROLOGY	VCT		VCT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1					GWB	VWC-1		ACT-1			2743	10
160	EKG / COT ROOM	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
161	MEDICAL STORAGE ROOM	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		ACT-1			2438	
162	FEMALE UNRINALYSIS	CMT		CMT-2	CMT		CMT-2	WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	PT-2		2438	3, 4
163	FEMALE WAITING AREA	VCT		VCT-1,2,3	VWB		VWB-1	IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		IR GWB	VWC-1 VWC-2		ACT-1			2438	5, 6
164	EXAM ROOM	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
165	FEMALE ORTHO	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			3048	
166	AUDIO ROOM	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			3048	
167	VISION TEST ROOM	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
168	MEDICAL ADMINISTRATION	VCT		VCT-1,2,3	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			3048	
169	MEDICAL NCO	CPT		CPT-1	VWB		VWB-1	GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		GWB	VWC-1		ACT-1			2743	
170	ELECTRICAL CLOSET	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-2		2438	
171	JANITORS CLOSET	VCT		VCT-2	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-2		2438	
172	WOMEN'S TOILET	CMT		CMT-1,2,3	CMT		CMT-2	WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	PT-2		2438	3, 4
173	MEN'S TOILET	CMT		CMT-1,2,3	CMT		CMT-2	WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	CT-1,2,3 PT-1		WR GWB	PT-2		2438	3, 4
174	BAGGAGE ROOM	VCT		VCT-1,2,3	VWB		VWB-1	GWB	PT-1		GWB	PT-1		GWB	PT-1		GWB	PT-1		ACT-1			2743	
	EXTERIOR FRONT ENTRANCE WALKWAY	SC																						
	EXTERIOR DINING PATIO	PST		PST-1 PST-2																				

MATERIALS SCHEDULE

FINISH	MATERIAL MANUFACTURER	PATTERN / COLLECTION	COLOR	NOTES
PPT-1	CROSSVILLE, INC.	CROSS-COLORS	A238 SHETLAND	300x300mm TILE
PPT-2	CROSSVILLE, INC.	CROSS-COLORS	A850 GRAPHITE	300x300mm TILE
PPT-3	CROSSVILLE, INC.	CROSS-COLORS	A585 SEAMIST	300x300mm TILE
VCT-1	ARMSTRONG	EXCELON, STONETEX	52143 SANDSTONE TAN	300x300mm TILE
VCT-2	ARMSTRONG	EXCELON, STONETEX	52147 PUMICE STONE	300x300mm TILE
VCT-3	ARMSTRONG	EXCELON, STONETEX	52125 GRANITE GRAY	300x300mm TILE
CPT-1	CAMBRIDGE COMMERCIAL CARPETS	ROUTE 66, EXIT 36	46632 GRANITE PEAK	DENSE CUT PILE, BROADLOOM, 3600mm
CPT-2	BOLYU CONTRACT	MONTREUX	MTX55 GALAXY	TEXTURED LOOP, BROADLOOM 3600mm
CPT-3	BOLYU CONTRACT	LA CROIX	SM488 BLUE RAPSODY	DENSE CUT PILE, BROADLOOM, 3600mm
CT-1	CROSSVILLE, INC.	CROSS COLORS	B120 PAECH FRESCO	150x150mm TILE
CT-2	CROSSVILLE, INC.	CROSS COLORS	A233 SAND BISQUE	150x150mm TILE
CT-3	CROSSVILLE, INC.	CROSS COLORS	B580 OCEANA	150x150mm TILE
CMT-1	CROSSVILLE, INC.	CROSS COLORS MOSAICS	A120 PEACH FRESCO	75x75mm TILE
CMT-2	CROSSVILLE, INC.	CROSS COLORS MOSAICS	A233 SAND BISQUE	75x75mm TILE
CMT-3	CROSSVILLE, INC.	CROSS COLORS MOSAICS	A580 OCEANA	75x75mm TILE
PST-1	CROSSVILLE, INC.	AURORA XT SERIES	AV82XT METEOR	460x460mm TILE
PST-2	CROSSVILLE, INC.	AURORA XT SERIES	AV81XT STELLAR	460x460mm TILE
VWC-1	WOLF GORDON	MONREALE SORELLA	WG 3774792	54 in. WIDTH, TYPE II
VWC-2	WOLF GORDON	LYONNAISE MARSEILLE	G 3811514	54 in. WIDTH, TYPE II
VWC-3	WOLF GORDON	LYONNAISE TOULON	G 3811515	54 in. WIDTH, TYPE II
PT-1	BENJAMIN MOORE	INTERIOR READY-MIXED COLORS	BONE WHITE	
PT-2	BENJAMIN MOORE	INTERIOR READY-MIXED COLORS	WHITE	
PT-3	BENJAMIN MOORE	INTERIOR READY-MIXED COLORS	BLACK	
ACT-1	ARMSTRONG	FINE FISSURED 1728M	WHITE (WH)	600x600x15mm, SQUARE LAY-IN
ACT-2	ARMSTRONG	FINE FISSURED OPEN PLAN 1756M	WHITE (WH)	600x600x19mm, ANGLED TEGULAR
VWB-1	ARMSTRONG	COLOR-INTERGRATED VINYL	61 GRAPHITE GRAY	
PLAM-1	WILSONART LAMINATE	STANDARDS COLLECTION	10745-60 FONTHILL PEAR	
PLAM-2	WILSONART LAMINATE	TOPAZ COLLECTION	4589-07 SMOKEY TOPAZ	
SSM-1	WILSONART SOLID SURFACE	GIBRALTAR COLLECTION (RICH)	9091-ML MIDNIGHT MELANGE	
SSM-2	WILSONART SOLID SURFACE	GIBRALTAR COLLECTION (RICH)	9033-ML CARMEL MELANGE	
WST-1	MINWAX		223 COLONIAL MAPLE	
EM-1	C/S GROUP	PEDIGRID (G1)	9322 SLATE (CP)	
CG-1	AFCO-USA	ELECTRA CG-2144	148 DESERT SAND	
GT-1	MAPEI	KERAPROXY	02 PEWTER	MAIN LOBBY/ APPLICANT DINING AREA
GT-2	MAPEI	ULTRACOLOR	39 IVORY	ALL TOILET ROOMS / LOCKER ROOMS
DR-1	DEC-ART DESIGNS INC.		1118 NAVY	100% COTTON VELOUR

NOTES

1. RECESSED ENTRY MAT (EM) REQUIRED.
2. NOT USED
3. 1800mm CERAMIC TILE WAINSCOT REQUIRED.
4. WATER RESISTENT GYPSUM WALL BOARD SHALL BE UTILIZED AT WALLS AND / OR CEILINGS WERE SPECIFIED.
5. IMPACT RESISTENT GYPSUM WALL BOARD SHALL BE UTILIZED ON WALLS WERE SPECIFIED.
6. A HARDWOOD CHAIR RAIL, STAINED TO MATCH WOOD DOORS, SHALL BE INSTALLED AT 863mm ABOVE FINISHED FLOOR, WHERE SPECIFIED.
7. VINYL CORNER GUARDS SHALL BE INSTALLED ON ALL EXTERIOR CORNERS AT VINYL WALL COVERING AS INDICATED ON DRAWING A-104.
8. ALL WOOD VENEER PANELLING AND MOLDING SHALL BE STAINED.
9. NOT USED
10. INSTALL TOILET PARTITION BETWEEN SERELOGY AREAS 159A AND 159B.
11. PORCELAIN PAVER TILE (PPT) WALL BASE AT LOBBY AREAS AND APPLICANT DINING ROOM SHALL BE COVE STYLE.

GENERAL NOTE:

ALL MAUFACTURER'S COLORS, PATTERNS & TYPE INDICATED ARE FOR REFERENCE PURPOSES ONLY. THE REFERENCES ARE USED TO INDICATE THE INTENDED TYPE, DETAIL, COLOR AND PATTERN. IT IS NOT INTENDED TO LIMIT THE SELECTION OF OTHER MANUFACTURERS PRODUCTS OF SIMILAR TYPE, DETAIL, COLOR, & PATTERN. ALL SELECTIONS MADE FOR FINISHES SHALL BE APPROVED BY ARCHITECT.

ABBREVIATIONS

GWB	GYPSUM WALL BOARD
CMU	CONCRETE MASONRY UNIT
BR	BRICK
MT	METAL
ALUM	ALUMINUM
GL	GLASS
ACT	ACOUSTICAL CEILING TILE
EXP	EXPOSED
SEAL CONC	SEALED CONCRETE
CT	CERAMIC TILE
GT	GROUT
VCT	VINYL COMPOSITION TILE
CPT	CARPET
CMT	CERAMIC MOSAIC TILE
CONC	CONCRETE
WR	WATER RESISTANT
FR	FIRE RATED
WD	WOOD
STR	STRUCTURE
EM	ENTRY MAT
PT	PAINT
IR	IMPACT RESISTANT
PPT	PORCELAIN PAVER TILE
VWB	VINYL WALL BASE
PLAM	PLASTIC LAMINATE
WST	WOOD STAIN
CG	CORNER GUARD
SSM	SOLID SUFSACE MATERIAL
PST	PORCELAIN STONE TILE
SC	STAMPED CONCRETE
DR	DRAPERY
VWC	VINYL WALLCOVERING

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT #1- REVISED ABBREVIATION FOR DRAPERY AND REVISED GENERAL NOTE.	12/02/04	
	90% SUBMISSION	10/04/04	
	30% SUBMISSION	06/01/04	
	15% SUBMISSION	03/05/04	

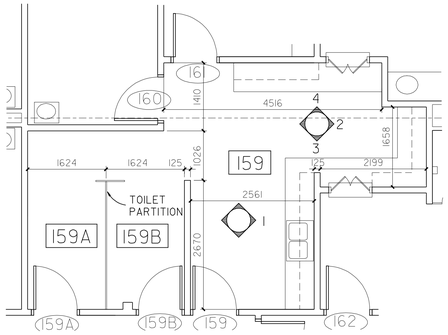
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Designed by: | Date: | Size: | Rev.:
Dwn by: | Ckd by: | Drawing file no.:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 10:53 | Plot by: edandrsh | Scale: 50.000000:1.000000
File name: S:\fercom\military\Niagara Fall AFB\MEPS\Architectural\30% Design\PRINTS\A-600.dgn

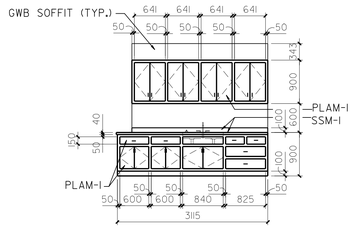
PN 59873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

FINISH SCHEUDLE

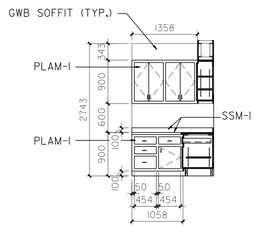
Sheet reference number:
A-600



A LABORATORY RM 159
SCALE: 1:20

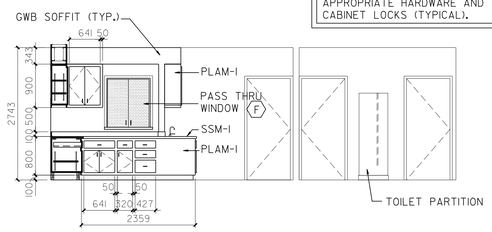


1 LABORATORY RM 159 ELEVATION
SCALE: 1:50

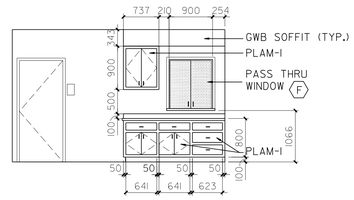


2 LABORATORY RM 159 ELEVATION
SCALE: 1:20

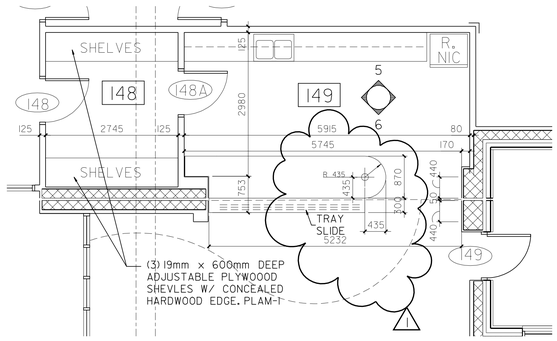
NOTE:
ALL UPPER CABINETRY IN LABORATORY SHALL HAVE PLAM-I FINISH WITH APPROPRIATE HARDWARE AND CABINET LOCKS (TYPICAL).



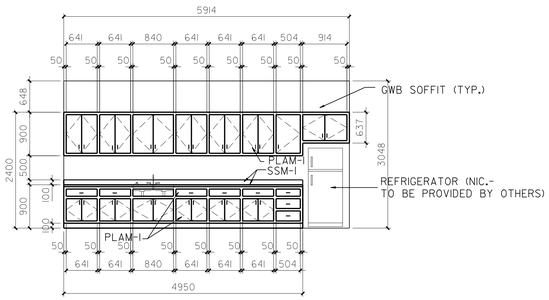
3 LABORATORY RM 159 SEROLOGY RM 159A & 159B
SCALE: 1:20



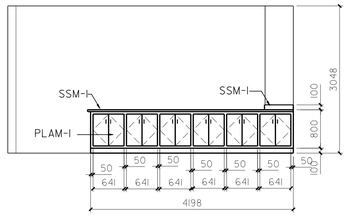
4 LABORATORY RM 159 ELEVATION
SCALE: 1:20



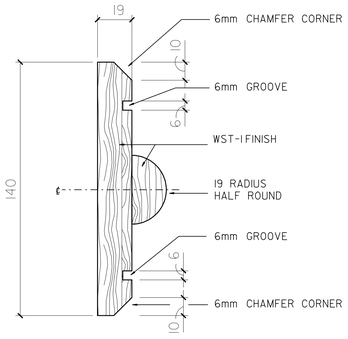
B FOOD PREP AREA 149 & FOOD STORAGE ROOM 148
SCALE: 1:20



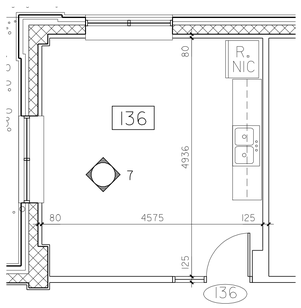
5 FOOD PREP AREA 149 ELEVATION
SCALE: 1:20



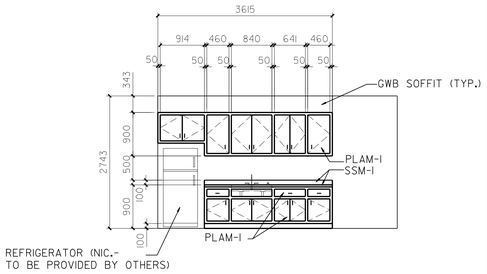
6 FOOD PREP AREA 149 ELEVATION
SCALE: 1:20



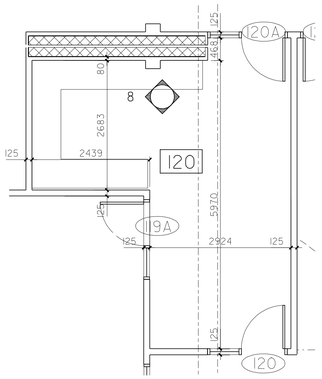
9 WOOD CHAIR RAIL SECTION
SCALE: NTS



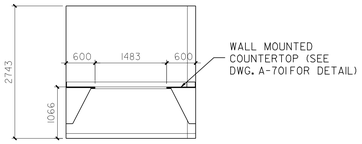
C STAFF LOUNGE ROOM 136
SCALE: 1:20



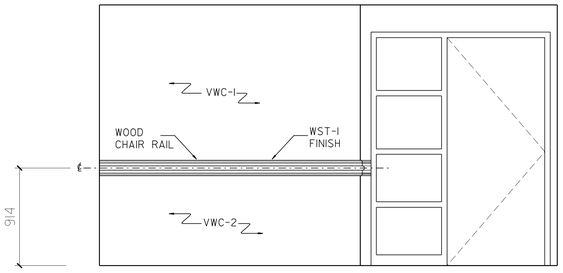
7 STAFF LOUNGE ROOM 136 ELEVATION
SCALE: 1:20



D COPY/PACKET BREAKDOWN ROOM 120
SCALE: 1:20



8 COPY/PACKET BREAKDOWN ROOM 120 ELEVATION
SCALE: 1:20



10 LOCATION OF CHAIR RAIL (TYP.) ELEVATION
SCALE: NTS

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT #1- REVISED COUNTERTOP FOR FOOD PREP AREA 149, DELETE NOTE FOR STEAM TABLE	12/02/04	
	90% SUBMISSION	10/14/04	
	50% SUBMISSION	06/30/04	
	15% SUBMISSION	03/19/04	

Designed by: | Date: | Size: | Rev.:
Dwn by: | Ckd by: | Drawing file no.:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 10:03 | Plot by: eberecner | Plotter: \\10.0.0.0\\10.0.0.0

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

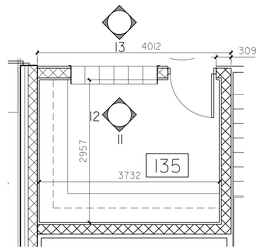
File name: G:\Mercer\Military\Niagara Falls\AE\MEPS\Architectural\Dwg\Design\Phase\A-700.dgn

PN 58873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

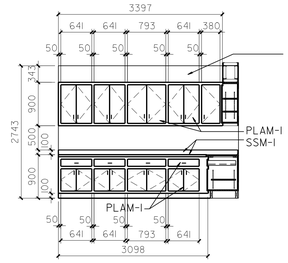
ENLARGED CASEWORK PLANS & DETAILS

Sheet reference number:
A–700

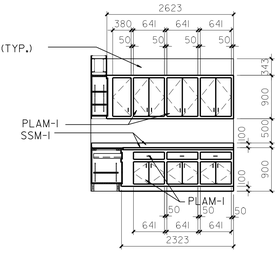
Submitted by: e3endnsh
pathfinderdistrict\gp\Niagara Fall AE\MEPS\Architectural\Dwg\Design\Phase\A-700.dgn Plot Date: 03-DEC-2004 10:53



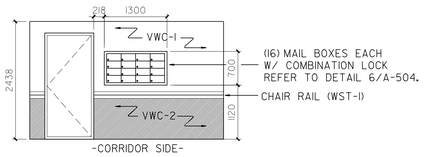
E MAIL ROOM 135
SCALE: 1:50



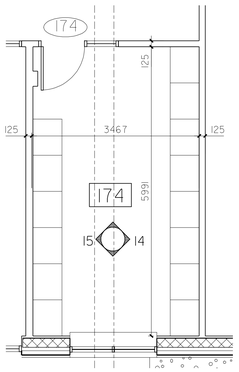
11 MAIL ROOM 135 ELEVATION
SCALE: 1:50



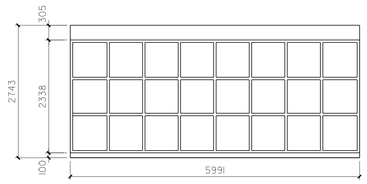
12 MAIL ROOM 135 ELEVATION
SCALE: 1:50



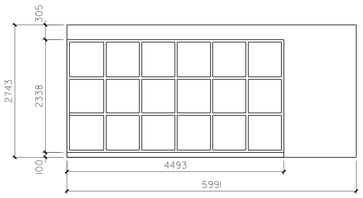
13 MAIL ROOM 135 ELEVATION
SCALE: 1:50



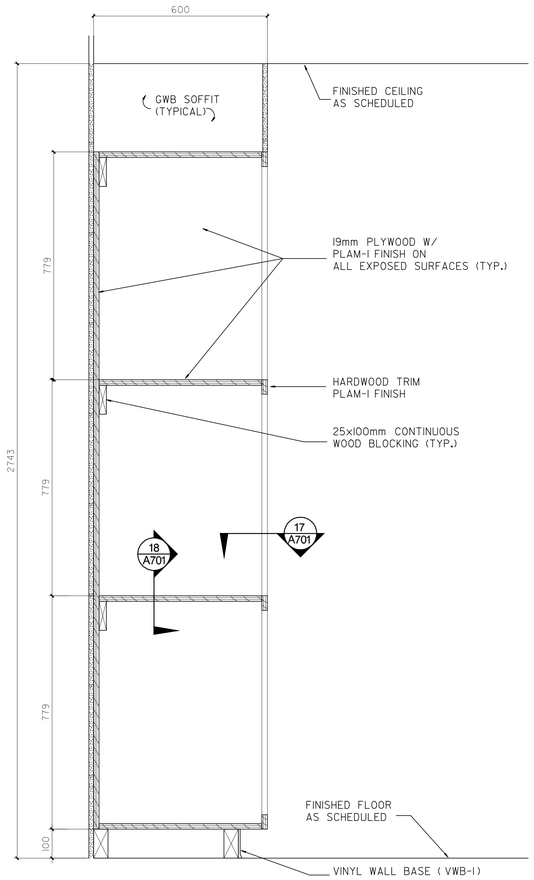
F BAGGAGE ROOM 174
SCALE: 1:50



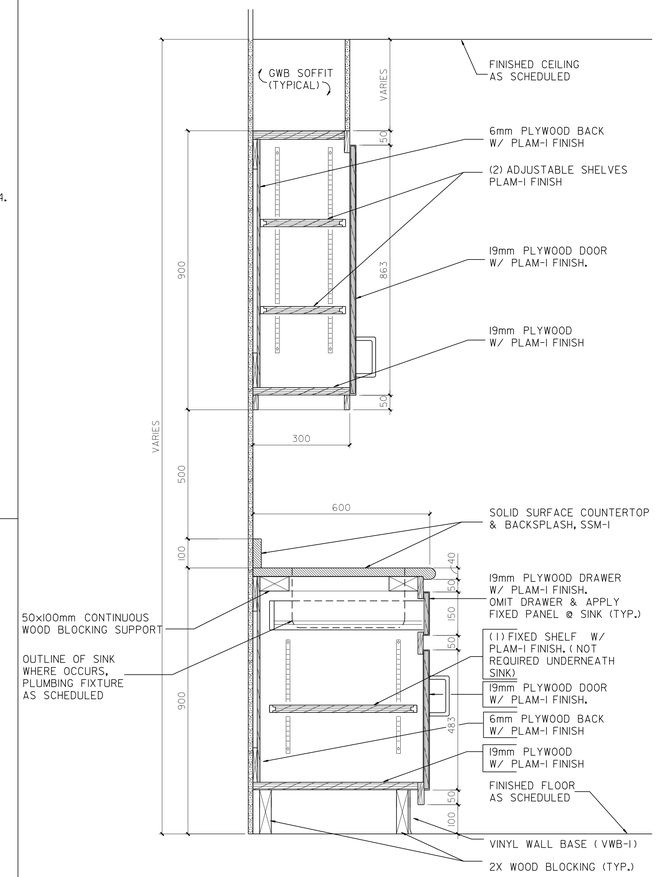
14 BAGGAGE ROOM 174 ELEVATION
SCALE: 1:50



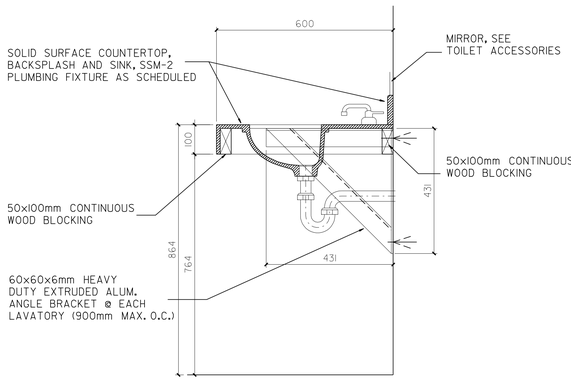
15 BAGGAGE ROOM 174 ELEVATION
SCALE: 1:50



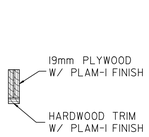
16 CASEWORK DETAIL
BAGGAGE ROOM 174
SCALE: 1:10



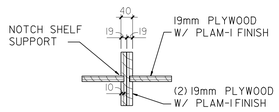
19 BASE CABINET DETAIL
SCALE: 1:10



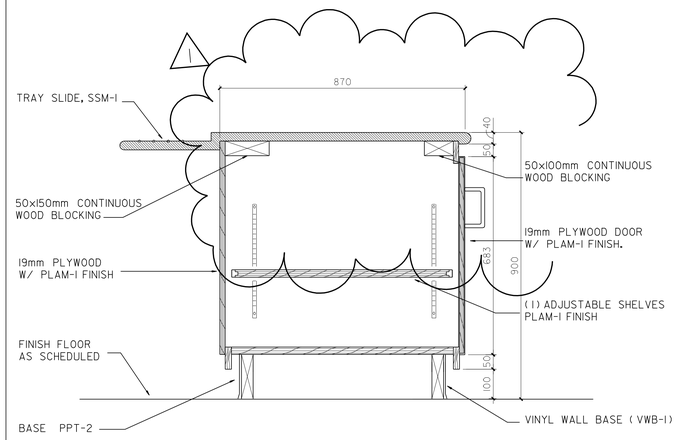
19 COUNTER /LAVATORY DETAIL
@ RESTROOMS (TYPICAL)
SCALE: 1:10



17 DETAIL
SCALE: 1:10



18 DETAIL
SCALE: 1:10



20 FOOD SERVICE COUNTER ROOM 149 DETAIL
SCALE: 1:10

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT #1- REMOVED STEAM TRAY FROM SERVICE COUNTER	12/20/04	
	90% SUBMISSION	10/14/04	
	60% SUBMISSION	08/30/04	
	15% SUBMISSION	03/19/04	

Designed by: | Date: | Size: | Rev.
Dwn by: | Ckd by: | Drawing file no.:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 10:53 | Plot by: edenish | Scale: 0SJ0000000000
File name: S:\Services\military\Niagara Fall AFB\MEPS\Architecture\A701_Design\PN5873_A-701.dgn

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

PN 5873

ENLARGED CASEWORK PLANS & DETAILS

Sheet reference number:
A–701

Plot Date: 03-DEC-2004 10:53
Submitted by: edenish
S:\Services\military\Niagara Fall AFB\MEPS\Architecture\A701_Design\PN5873_A-701.dgn

INTERIOR SIGNAGE SCHEDULE

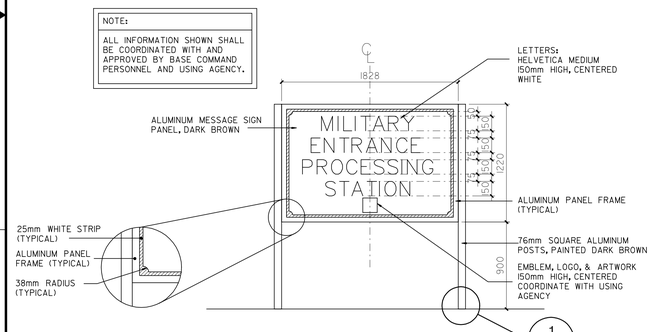
ROOM NO.	MESSAGE	SIGN TYPE	LOCATION	QTY.	REMARKS
103	BRIEFING ROOM	B	B	1	
104	CEREMONY ROOM	B	B	1	
105	VISITORS WAITING ROOM	B	B	1	
107	AIR FORCE LIAISON	B	B	1	
108	ARMY LIAISON	B	B	1	
109	SECURITY INTERVIEW	B	B	1	
110	NAVY LIAISON	B	B	1	
111	NAVY ADVANCE PLACEMENT TEST ROOM	B	B	1	
112	COAST GUARD LIAISON	B	B	1	
115	NATIONAL GUARD LIAISON	B	B	1	
116	MARINE CORPS LIAISON	B	B	1	
117	ELECTRICAL CLOSET	B	B	1	
118	GAME ROOM	B	B	1	
119	FILES ROOM	B	B	2	
120	COPY / PACKET BREAKDOWN ROOM	B	B	2	
122	OPERATIONS ADMINISTRATION	B	B / A	2	(1) SIGN SHALL BE LOCATED AT DOOR 122A AT LOCATION "A" AS SHOWN ON DWG. A-703. REFER TO GENERAL NOTES ON DRAWING A-704.
123		A	B	1	
124		A	B	1	
125		A	A	1	
126		A	B	1	
127	MIRS/ COMMUNICATION	B	A	1	
128	CONFERENCE ROOM	B	B	2	
129	COMMAND ADMINISTRATION	B	B	1	
130		A	B	1	
131		A	B	1	
132		A	B	1	
135	MAIL ROOM	B	A	1	
136	STAFF LOUNGE	B	B	1	
137	SUPPLY STORAGE ROOM	B	A	1	
137	SUPPLY STORAGE ROOM	E	A	1	SIGN SHALL BE LOCATED ON EXTERIOR OF BLDG. @ DOOR NO. 137A
138	ELECTRICAL ROOM	E	A	1	SIGN SHALL BE LOCATED ON EXTERIOR OF BLDG. @ DOOR NO. 138
139	MECHANICAL ROOM	E	A	1	SIGN SHALL BE LOCATED ON EXTERIOR OF BLDG. @ DOOR NO. 139
140	SECURE TEST STORAGE & SCORING	B	A	1	
141	ASVAB STORAGE ROOM	B	A	2	
142		A	B	1	
143	TESTING ADMINISTRATION	B	B	1	
144		A	B	1	
145	CAT-ASVAB TEST ROOM	B	A	1	
146	TEST ROOM	B	A	1	
147	TEST ROOM	B	A	2	(1) SIGN SHALL BE LOCATED IN ROOM 145 AT DOOR NO. 147A
148	FOOD STORAGE	B	A	2	(1) SIGN SHALL BE LOCATED IN ROOM 149 AT DOOR NO. 148A
150	APPLICANT DINING	B	A	1	
151	MEDICAL BRIEFING	B	B	2	
153	MALE ORTHO	B	A	2	(1) SIGN SHALL BE LOCATED IN ROOM 154 AT DOOR NO. 154A
154		A	A	1	
155	EXAM ROOM	B	A	1	
156	MALE URINALYSIS	B	A	1	
157	EXAM ROOM	B	A	1	
158	EXAM ROOM	B	A	1	
159	LABORATORY	B	A	1	
159A	SEROLOGY	C	A	1	
159B	SEROLOGY	C	A	1	
160	EKG / COT ROOM	B	A	1	
161	MEDICAL STORAGE ROOM	B	A	1	
162	FEMALE UNRINALYSIS	B	A	1	
164	EXAM ROOM	B	A	2	(1) SIGN SHALL BE LOCATED IN ROOM 165 AT DOOR NO. 165A
165	FEMALE ORTHO	B	A	2	(1) SIGN SHALL BE LOCATED IN ROOM 164 AT DOOR NO. 165A
166	AUDIO ROOM	B	A	1	
167	VISION TEST ROOM	B	A	1	
168	MEDICAL ADMINISTRATION	B	A	1	
169		A	B	1	
170	ELECTRICAL CLOSET	B	A	1	
171	JANITORS CLOSET	B	A	1	
174	BAGGAGE ROOM	B	B	1	
	WOMEN	D	A	3	ROOMS 113, 134, 172
	MEN	D	A	3	ROOMS 114, 133, 173

GENERAL NOTES

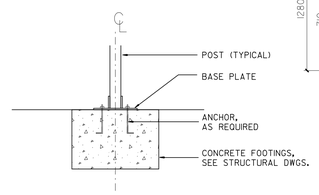
1. ALL ROOM SIGNS ARE ON CORRIDOR SIDE OF DOOR UNLESS OTHERWISE NOTED.
2. MOUNT SIGNS AT 1524mm O.C. ABOVE FINISHED FLOOR AT LOCATIONS INDICATED ON SCHEDULE. IF MOUNTING LOCATIONS INDICATED CANNOT BE ACHIEVED THEN MOUNT ON NEAREST ADJACENT WALL.
3. COORDINATE SIGNAGE TYPES WITH SIGNAGE SCHEDULE AND FLOOR PLANS.
4. RAISED BRAILLE TYPICAL ONLY IN AREAS ACCESSIBLE TO THE HANDICAPPED.
5. INFORMATION SHOWN ON THESE SIGNS IS FOR EXAMPLE PURPOSES ONLY AND IS NOT TO BE CONSIDERED THE FINAL INFORMATION TO BE SHOWN ON THE SIGNS.
6. ALL FINAL SIGNS/ARTWORK SHALL BE BY SIGNAGE MANUFACTURER, SUBJECT TO APPROVAL BY THE CONTRACTING OFFICER.
7. PROVIDE AND INSTALL THE FOLLOWING SIGN IN A LOCATION TO BE DETERMINED BY THE GOVERNMENT:

"IT IS A FEDERAL CRIME TO KNOWINGLY POSSESS OR CAUSE TO PRESENT, A FIREARM OR OTHER DANGEROUS WEAPONS IN THIS FACILITY. THE LAWFUL PERFORMANCE OF OFFICIAL DUTIES AUTHORIZED BY LAW IS EXEMPT. VIOLATORS WILL BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW."

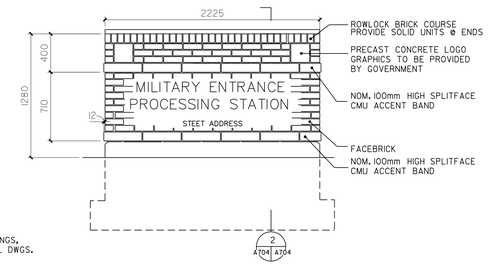
EXTERIOR SIGNAGE



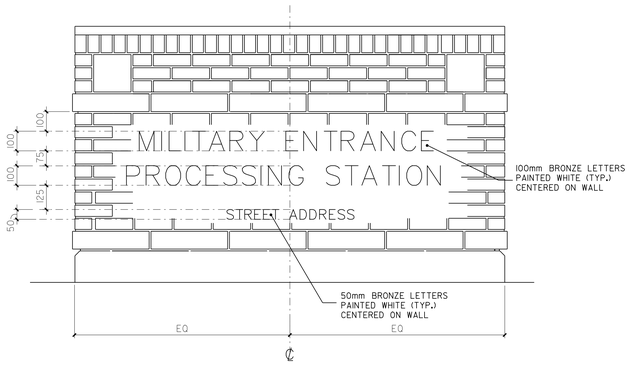
A A704 EXTERIOR SIGNAGE ELEVATION SCALE: 1:20



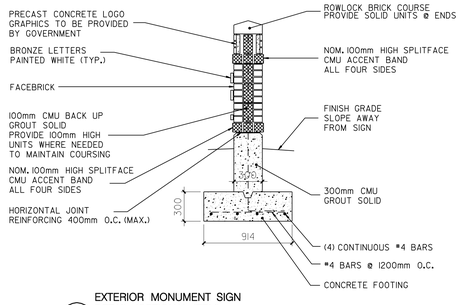
1 A704 SIGNAGE INSTALLATION DETAIL SCALE: 1:10



B A704 EXTERIOR MONUMENT SIGN ELEVATION (OPTIONAL ITEM) SCALE: 1:20

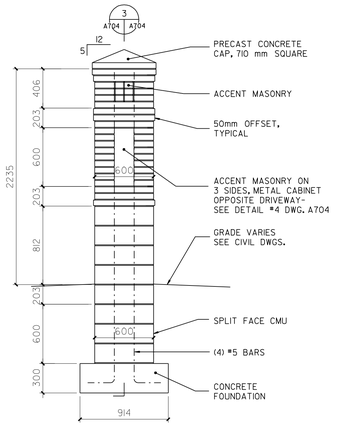


C A704 EXTERIOR MONUMENT SIGN ELEVATION (OPTIONAL ITEM) SCALE: 1:10

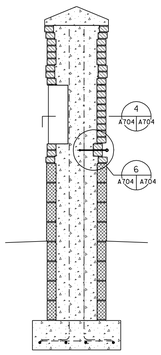


2 A704 EXTERIOR MONUMENT SIGN DETAIL (OPTIONAL ITEM) SCALE: 1:20

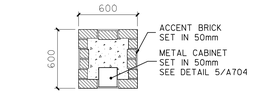
SECURITY GATE



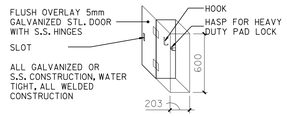
D A704 SECURITY GATE ELEVATION SCALE: 1:20



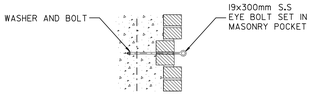
3 A704 SECURITY GATE SECTION SCALE: 1:20



4 A704 SECURITY GATE DETAIL SCALE: 1:20



5 A704 SECURITY GATE DETAIL SCALE: 1:20



6 A704 SECURITY GATE DETAIL SCALE: 1:20

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT #1- INDICATED SIGN TYPE FOR ROOMS 137, 138, &139.	12/02/04	
	90% SUBMISSION	10/04/04	
	60% SUBMISSION	08/09/04	
	35% SUBMISSION	03/19/04	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Designed by: | Size: | Rev.:
Date:
Drawn by: | Ckd by: | Drawing file no.:
Drawing code:
Reviewed by:
Submitted by:
Plot date: 03-DEC-2004 10:54
Plot by: admin0nh
Date: 03/19/2004
File name: S:\Recent\military\Images_Fall 2004\USACE\Architectural\A704_Design\PROTO_A704.dgn

PN 59873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NEW YORK

SIGNAGE SCHEDULE & DETAILS

Sheet reference number:
A–704

Plot Date: 03-DEC-2004 10:54
Plot By: admin0nh
Submitted by: e2endnah
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CABLE TRAY SYSTEM KEY NOTES:

1. EACH SECTION OF THE CABLE TRAY SHALL BE BONDED TOGETHER WITH A GROUNDING STRAP.
2. CABLE TRAY INSIDE THE MIRS/COMM ROOM SHALL BE INSTALLED 18" BELOW THE SUSPENDED CEILING.

GROUNDING SYSTEM KEY NOTES:

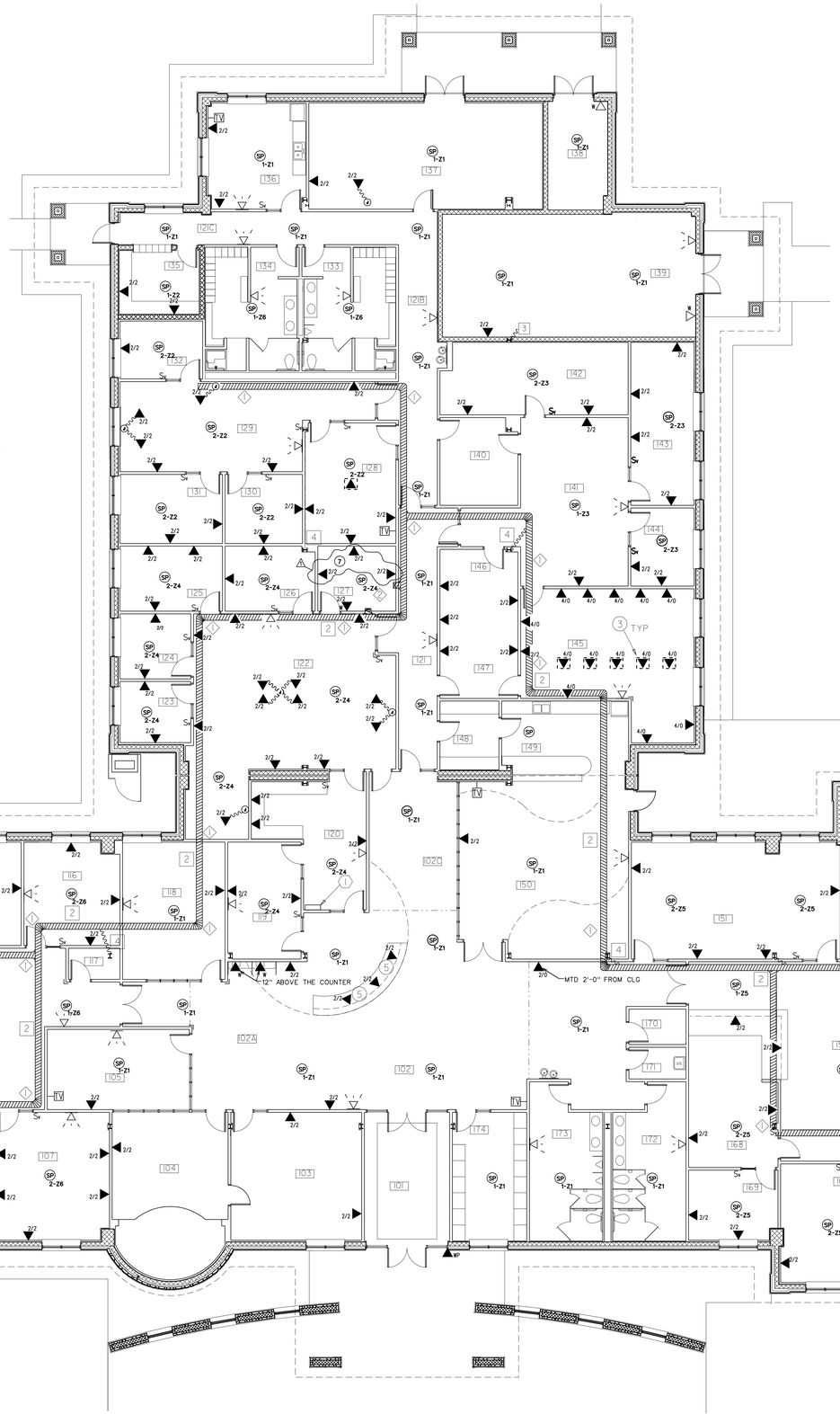
1. 6" X 24" X 1/4" COPPER GROUNDING BAR AT 18" AFF ON CERAMIC STAND-OFFS.
2. EACH SECTION OF THE CABLE TRAY SHALL BE BONDED TOGETHER WITH A GROUDING STRAP.
3. INCOMING WATER SERVICE SHALL BE BONDED ON THE STREET -SIDE OF THE SERVICE METER.
4. CABLE TRAY SHALL BE BONDED TO THE STRUCTURAL COLUMNS -SIDE OF THE SERVICE METER.
5. STEEL COLUMNS SHALL BE PROVIDED WITH A GROUNDING ROD OUTSIDE OF THE BUILDING FOOTPRINT.

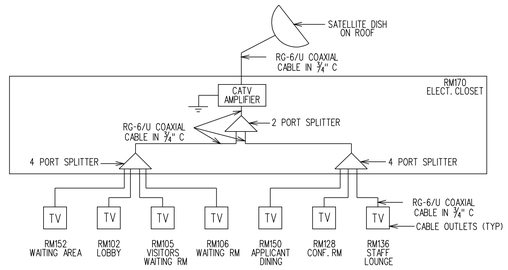
DATA/COMM SYSTEM KEY NOTES:

1. 4-4" CONDUITS FROM EXISTING COMMUNICATIONS VAULT NORTH OF BUILDING 806. UTILIZE ONE OF FOUR 4" CONDUIT FOR INCOMING 200-PAIR TELEPHONE SERVICE CABLE.
2. TWO (2) 4' X 8' X 3/4" TREATED PLYWOOD COATED WITH (WHITE) FIRE RETARDANT ENAMEL PAINT.
3. FLOOR MOUNTED (FLUSH) DATA/COMM OUTLETS.
4. 24"W ALUMINUM DATA/COMM CABINETS SHALL BE MOUNTED AS SHOWN FROM THE SOUTH AND EAST WALLS (RESPECTIVELY).
5. DATA/COMM CABLE RUNS FROM THE RECEPTIONISTS DESK TO THE ABOVE CEILING CABLE TRAY SHALL BE ROUTED BELOW GRADE.
6. PAY PHONE JACKS AT 54" AFF.
7. REFER TO MIRS / COMM ROOM ARRANGEMENT PLAN ON THIS DRAWING FOR ADDITIONAL INFORMATION.

PA SYSTEM KEY NOTES:

1. PUBLIC ADDRESS (PA)/MASS NOTIFICATION SYSTEM WALL MOUNTED HEAD-END EQUIPMENT.
2. PA/MASS NOTIFICATION SYSTEM STROBE LIGHT MOUNTED AT 7'-0" AFF UN:ESS NOTED OTHERWISE.
3. CEILING MOUNTED PA/MASS NOTIFICATION SYSTEM SPEAKER.

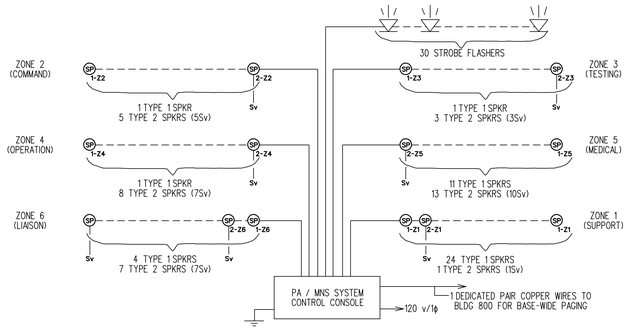




CATV SYSTEM RISER DIAGRAM

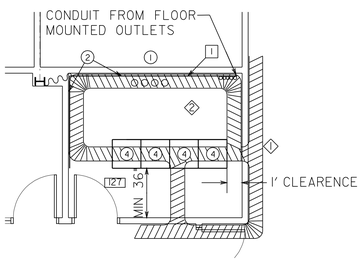
NTS

NOTES:
1. SATELLITE DISH, CATV AMPLIFIER, SPLITTERS ARE TO BE FURNISHED BY BASE COMM. GROUP AND INSTALLED BY ELECTRICAL CONTRACTOR.
2. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING OF SATELLITE DISH. PROVIDE CONDUIT SLEEVE FOR ROOF, WALL AND FLOOR PENETRATIONS; SEAL ALL PENETRATIONS TO MAINTAIN ITS FIRE RATING.



PA /MNS SYSTEM RISER DIAGRAM

NTS



NOTE: REFER TO KEY NOTES FOR MIRS/COMM ROOM ARRANGEMENT PLAN KEY NOTES.

MIRS/COMM ROOM ARRANGEMENT PLAN

N.T.S.

SYSTEMS GENERAL NOTES:

1. REFER TO GROUNDING SYSTEM DETAIL DRAWINGS FOR ADDITIONAL INFORMATION/REQUIREMENTS.
2. REFER TO SITE ELECTRICAL PLANS FOR OUTDOOR ELECTRICAL SYSTEMS WORK.
3. WALL MOUNTED TV JACKS SHALL BE MOUNTED AT 72" AFF.
4. ABOVE CEILING CABLE TRAY SYSTEM ROUTE IS APPROXIMATE. FINAL LOCATION SHALL BE FIELD VERIFIED AND COORDINATED WITH DUCTWORK AND OTHER ABOVE CEILING MECHANICAL SYSTEMS.

ALL DIMENSIONS ARE GIVEN IN MILLIMETERS.

0 1 2 4 6 8 10M

SCALE 1 : 100

US Army Corps of Engineers
New York District

Rev.	Date	Description	Appr.
A		ADDED 3 VOICE / DATA OUTLETS AND RELOCATED 1 VOICE / DATA OUTLET	

Size: Rev:
Date:
Drawing file no.:
Drawing code:
Plot date: 03-DEC-2004 10:55
Plot by: eskandor
Scale: 0.0000110000

Designed by:
Drawn by:
Cad by:
Reviewed by:
Submitted by:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

File name: S:\Neson\military\Niagara Fall AFB\MEPS\Electrical\Mis_Submits\Comp\E-04Sys.dgn

PN 59873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

SYSTEMS PLAN

Sheet reference number:
E–04

Submitted by: eskandor
Plot Date: 03-DEC-2004 10:55
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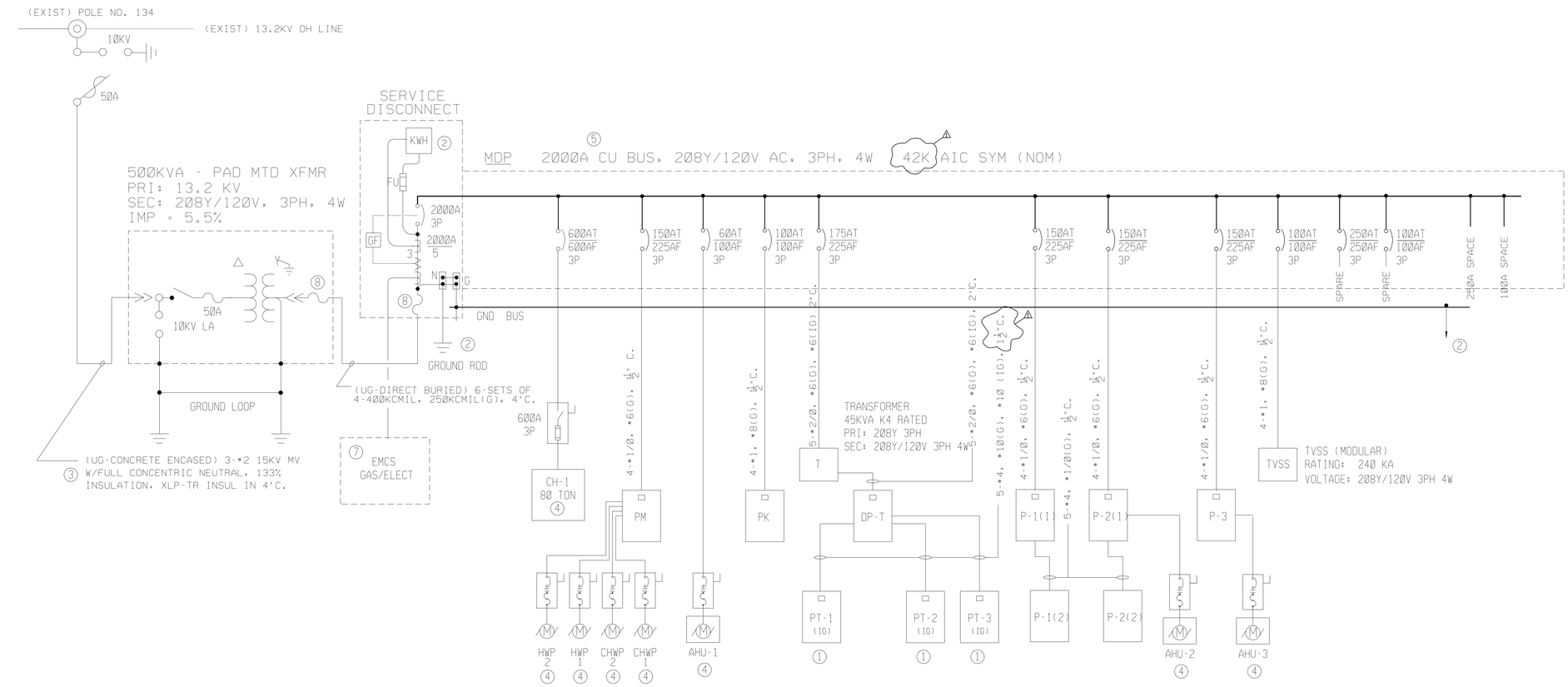
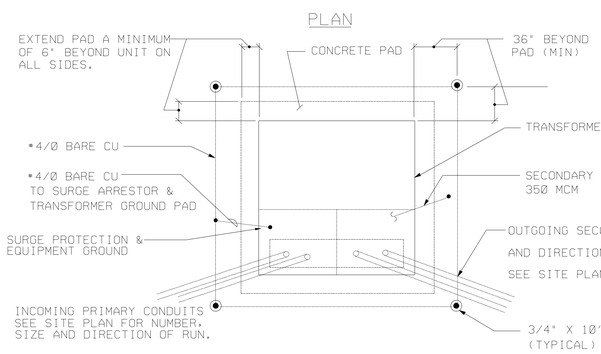
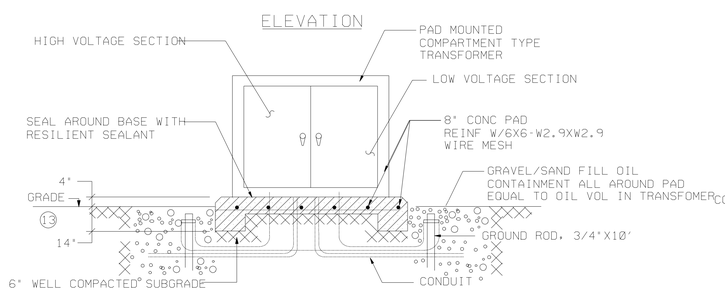


1 E1 E5 SINGLE LINE DIAGRAM
N.T.S.

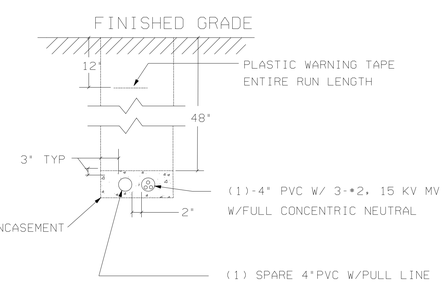




2 E1 E5 TRANSFORMER MOUNTING DETAIL
N.T.S.

GENERAL NOTES:

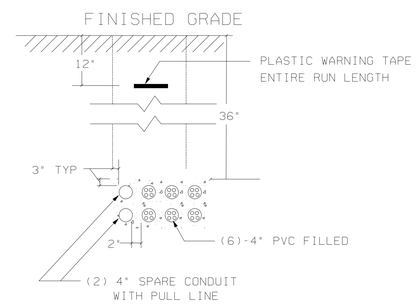
1. REFER TO MECHANICAL EQUIPMENT CONNECTION FOR FEEDER SIZES TO MECHANICAL EQUIPMENT.
2. REFER TO GROUNDING SYSTEM SCHEMATIC DIAGRAM FOR ADDITIONAL GROUNDING INFORMATION AND REQUIREMENTS.
3. REFER TO PANEL SCHEDULES FOR THE CIRCUIT LOCATION OF LOADS SHOWN.
4. COMPUTER LOADS SHALL BE CONNECTED TO THE PANEL(S) SUPPORTED BY THE 'K' RATED TRANSFORMER.



3 E1 E5 MEDIUM VOLTAGE DUCT
N.T.S.

KEY NOTES:

1. ISOLATED GROUND BUS FROM PANELBOARDS SUPPORTED BY THE 'K' RATED TRANSFORMERS SHALL BE CONNECTED DIRECTLY TO THE GROUND BUS OF THE ELECTRICAL SERVICE SWITCHBOARD.
2. SWITCHBOARD GROUND BUS SHALL BE PROVIDED WITH A GROUND ROD, BE BONDED TO THE 'STREET SIDE' OF THE INCOMING WATER SERVICE METER, AND BE BONDED TO THE NEAREST BUILDING STEEL COLUMN PROVIDED WITH A GROUND ROD.
3. UNDERGROUND MEDIUM AND LOW VOLTAGE SERVICE DUCTS/RACEWAYS SHALL BE PROVIDED WITH MATCHING SPARE DUCT(S) WITH PULL STRINGS. SPARE DUCT(S) SHALL BE CAPPED AT THE ENDS, INCLUDING IN THE HANDHOLES.
4. MOTOR STATER PROVIDED WITH HVAC EQUIPMENT.
5. SWITCHBOARD SHALL BE PROVIDED WITH A NON-TAPERED COPPER BUS.
6. FIRE ALARM DISCONNECT SWITCH (INCLUDING RACEWAY TO MDP PANEL AND FACP) SHALL BE PAINTED WITH RED ENAMEL PAINT.
7. REFER TO ELECTRIC AND GAS METERING BLOCK DIAGRAM ON M-704 FOR ADDITIONAL INFORMATION.
8. SECONDARY CABLES SHALL BE PROVIDED WITH LIMITERS AT THE LOW VOLTAGE SECTION OF THE OUTDOOR SERVICE TRANSFORMET AND AT THE SERVICE DISCONNECT SECTION OF THE SERVICE SWITCHBOARD IN THE ELECTRICAL ROOM.



4 EX E5 LOW VOLTAGE DUCTS
N.T.S.

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
A	REVISED MDP INTERRUPTING CAPACITY AND CONDUIT SIZE	12-02-04	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

Designed by: | Date: | Size: | Rev.:
Dwn by: | Ckd by: | Drawing file no.:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 12:55 | Plot by: edendor | Scale: 0.000000000000

File name: S:\Missions\military\Niagara Falls\FUSRP\Design\AFRC+USArmyReserve\Design\E-05PowerDist1.dgn

MILITARY ENTRANCE PROCESSING STATION (MEPS)
PN 58673
NIAGARA FALLS, NY

SINGLE LINE DIAGRAM ELECTRICAL DETAILS

Sheet reference number:
E–05

Plot Date: 03-DEC-2004 12:55
Submitted by: edendor
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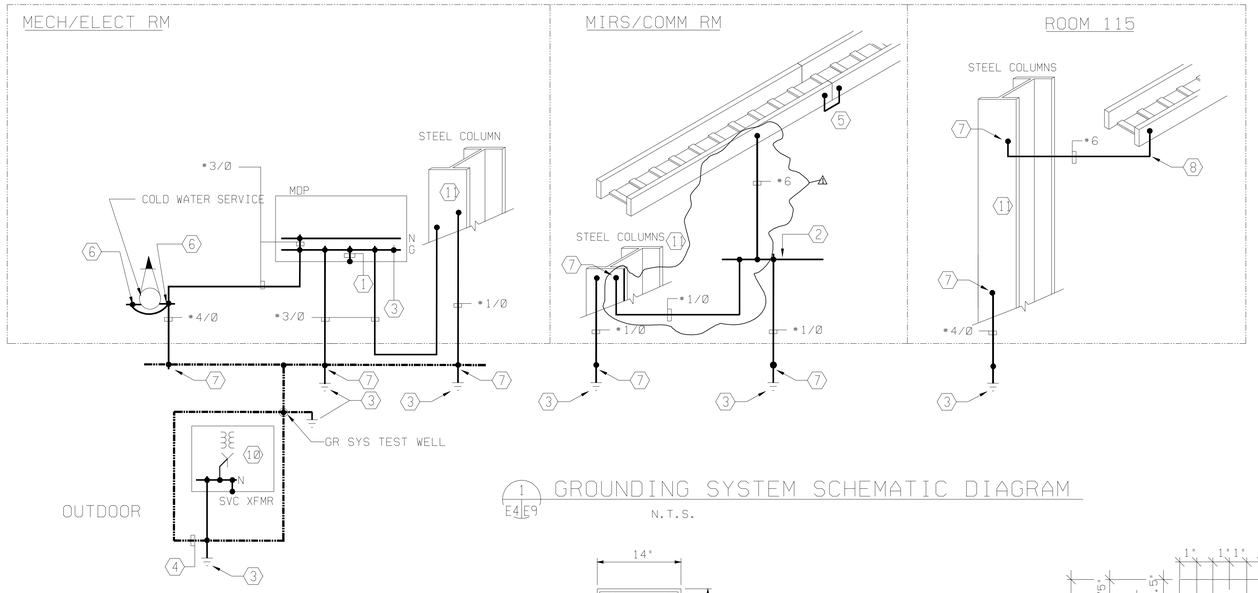
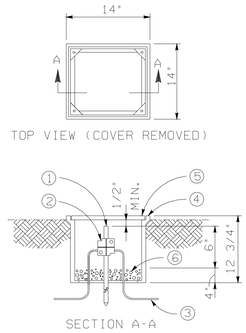


1 E4 E9 GROUNDING SYSTEM SCHEMATIC DIAGRAM
N.T.S.

GROUNDING SYSTEM SCHEMATIC NOTES:

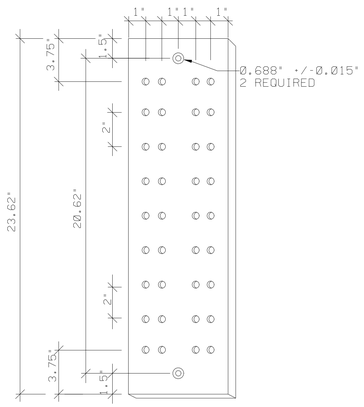
1. PROVIDE MAIN BONDING JUMPER AS REQUIRED BY N.E.C. ART 250-28.
2. 24"L X 6"W X 1/4"TH COPER GROUD BAR MOUNTED 18" AFF. MOUNT ON CERAMIC STAND-OFFS/INSULATORS. CONNECT GROUNDING CONDUCTORS TO GROUNDING BAR WITH 2-HOLE CRIMP CONNECTORS. REFER TO GROUNDING BAR DETAIL ON THIS SHEET.
3. 3/4" DIA X 10'L COPPER CLAD STEEL GROUND ROD. CONNECTIONS SHALL BE EXOTHERMIC CONNECTIONS UNLESS NOTED OTHERWISE.
4. •4/0, 30" BELOW GRADE, UNDERGROUND GROUNDING LOOP AROUND SERVICE TRANSFORMER.
5. EACH SECTION OF THE CABLE TRAY SYSTEM SHALL BE GROUNDED TOGETHER WITH A BONDING STRAP.
6. COORDINATE SIZE OF PIPE GROUNDING CONNECTOR WITH MECHANICAL DRAWINGS/CONTRACTOR. INSTALL ON THE STREET SIDE OF THE SERVICE VALVE.
7. EXOTHERMIC CONNECTION.
8. BOND CABLE TRAY SYSTEM TO THE STRUCTURAL STEEL COLUMNS.
9. LIGHTNING PROTECTIONSYSTEM DOWN CONDUCTORS SHALL BE ROUTED INSIDE THE BUILDING. REFER TO DOWN CONDUCTORS TO GROUND ROD CONNECTION DETAIL.
10. LIGHTNING PROTECTION SYSTEM CONDUCTORS SHALL BE COPPER, STRANDED, 17 GA, 19,500 CM (MIN). REFER TO SYSTEMS PLAN FOR AIR TERMINAL ARRANGEMENT.
11. EACH BUILDING STRUCTURAL STEEL COLUMN SHALL BE PROVIDED AND BONDED TO A GROUND ROD 3' (NOM) OUTSIDE OF THE BUILDING FOOTPRINT.



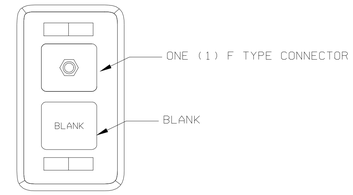
MATERIAL LIST

1. GROUND ROD
2. GROUND CLAMP
3. GROUNDING CONDUCTOR •1/0 COPPER
4. POLYMER CONCRETE FIBERGLASS REINFORCED BOX
5. COVER FOR ABOVE BOX
6. GRAVEL OR CRUSHED STONE

2 E4 E9 GROUNDING SYSTEM TEST-WELL DETAIL
N.T.S.

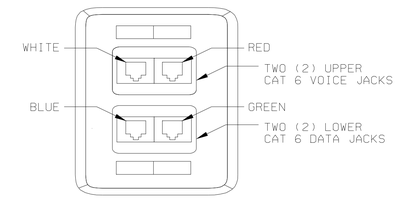


4 E4 E9 GROUND BAR DETAIL
N.T.S.



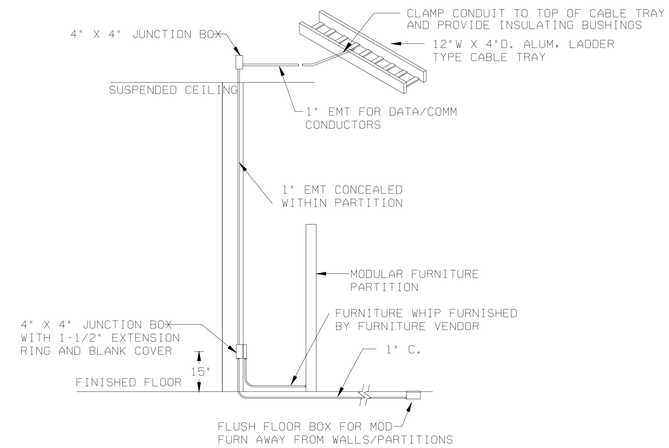
NOTE: 1. PROVIDE WITH SINGLE GANG FACEPLATE.
2. MOUNT AT 72" AFF UNLESS NOTED OTHERWISE.

5 E4 E9 TV JACK DETAIL (TYP)
N.T.S.

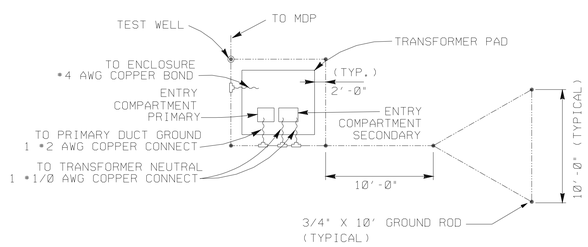


NOTE: 1. PROVIDE WITH DOUBLE GANG JUNCTION BOX AND FACEPLATE.
2. PROVIDE HINGE COVER FOR ALL JACKS.
3. CABLE AND OUTLETS SHALL BE COLOR CODE AS SHOWN WHITE AND RED - VOICE / BLUE AND GREEN - DATA

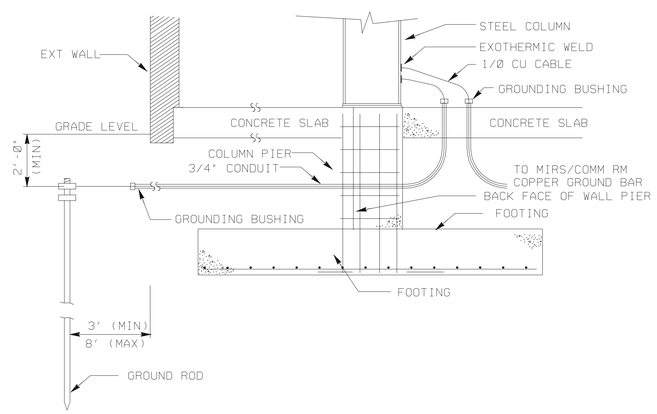
7 E4 E9 DATA/COMM JACK DETAIL (TYP)
N.T.S.



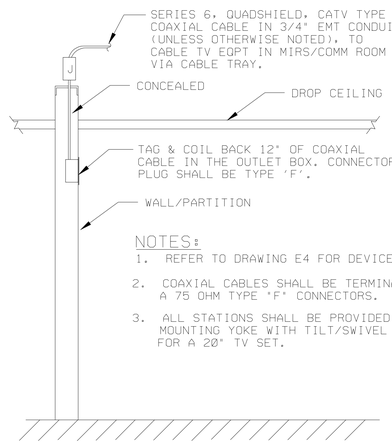
8 E4 E9 MODULAR FURNITURE DATA/ COMM CONNECTION DETAIL
N.T.S.



3 E1 E9 PAD MOUNTED TRANSFORMER GROUNDING DETAIL
N.T.S.



5 E4 E9 STEEL COLUMN GROUNDING DETAIL
N.T.S.



NOTES:
1. REFER TO DRAWING E4 FOR DEVICE LOCATIONS.
2. COAXIAL CABLES SHALL BE TERMINATED WITH A 75 OHM TYPE "F" CONNECTORS.
3. ALL STATIONS SHALL BE PROVIDED WITH A TV MOUNTING YOKE WITH TILT/SWIVEL BRACKETS FOR A 20" TV SET.

9 E4 E9 TV JACK DETAIL (TYP)
N.T.S.

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	REVISED GROUNDING SYSTEM SCHEMATIC DIAGRAM	12-2-04	

Designed by:		Date:	Size: Rev:
Dwn by:	Ckd by:	Drawing file no:	
Reviewed by:		Drawing code:	
Submitted by:		Plot date: 03-DEC-2004 13:55 Plot by: eBendzen Scale: 0.000000000000	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

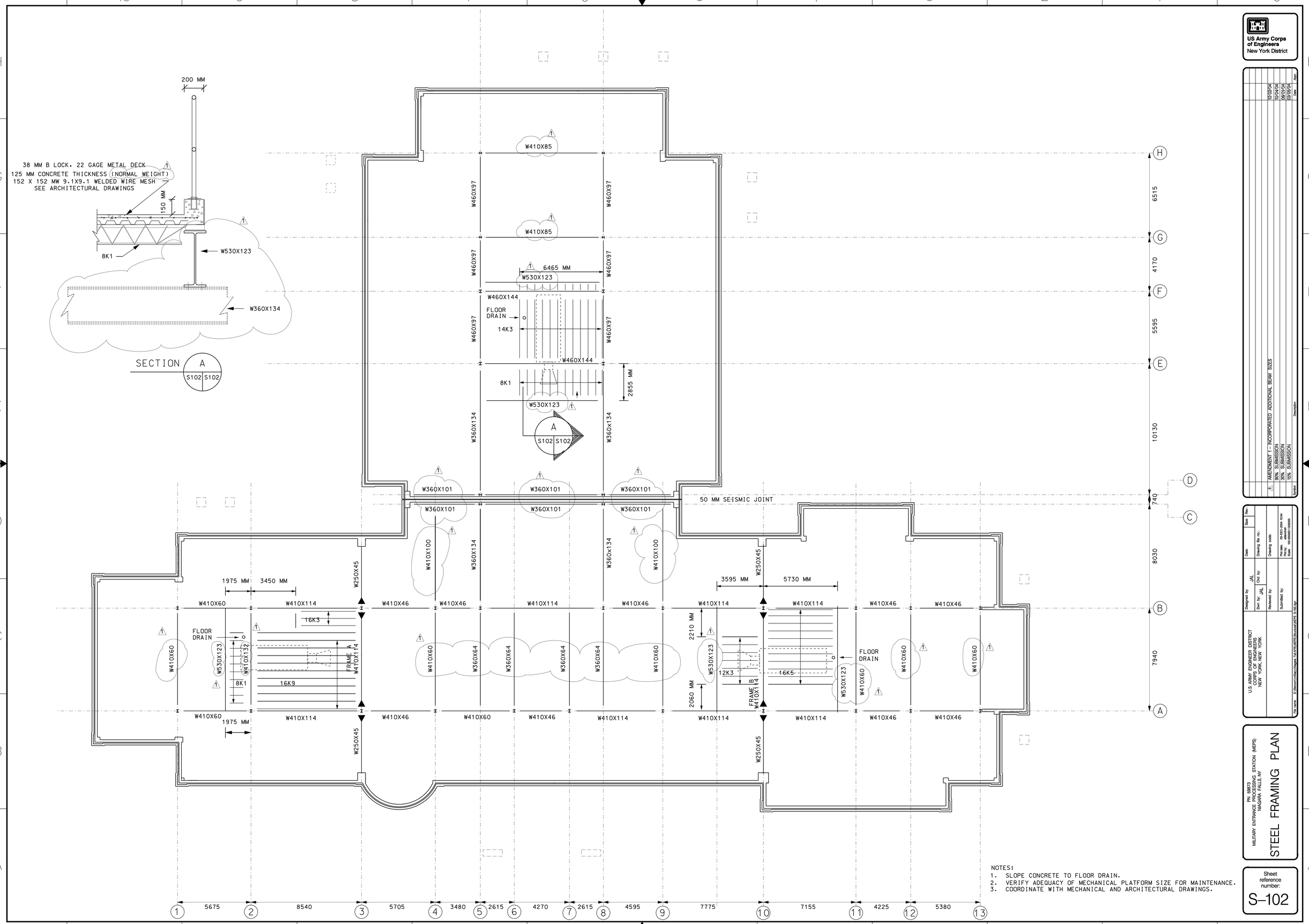
File name: S:\Services\Military\Niagara Falls\MEPS\Electrical\DWG's\Electrical\Electrical\E-009\sys\Sheet1.dgn

PN 59873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

SYSTEM DETAILS

Sheet reference number:
E–09

Submitted by: eBendzen
Sheet: E-009 Plot Date: 03-DEC-2004 13:55



NOTES:
1. SLOPE CONCRETE TO FLOOR DRAIN.
2. VERIFY ADEQUACY OF MECHANICAL PLATFORM SIZE FOR MAINTENANCE.
3. COORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.

US Army Corps of Engineers
New York District

Rev.	Description	Date	Appr.
1	AMENDMENT 1 - INCORPORATED ADDITIONAL BEAM SIZES	12/20/04	
	90% SUBMISSION	10/14/04	
	60% SUBMISSION	06/07/04	
	15% SUBMISSION	03/30/04	

U.S. ARMY ENGINEER DISTRICT
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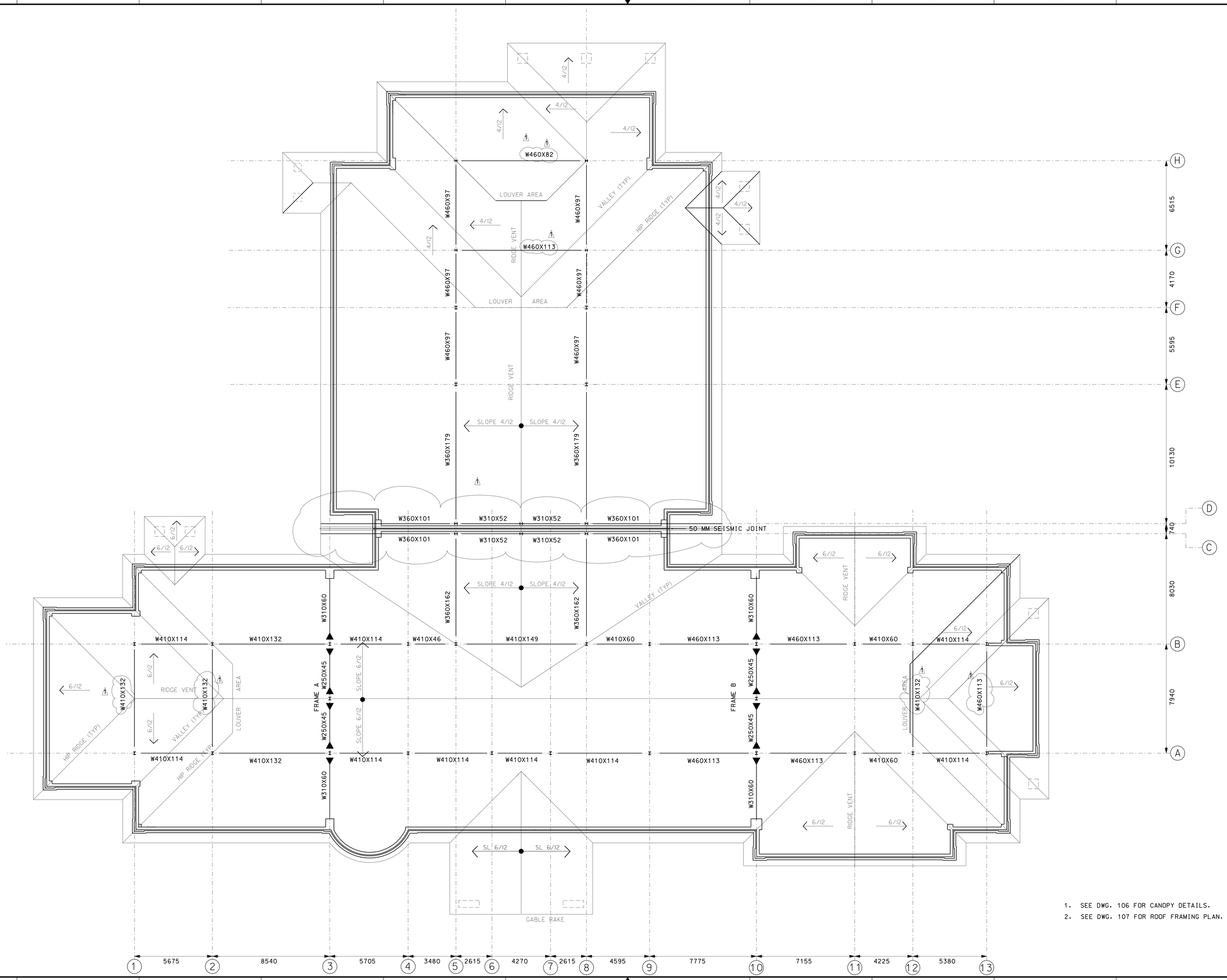
Designed by: JJL
Dwn by: JJL
Ckd by:
Reviewed by:
Submitted by:
Date:
Drawing code:
Drawing file no.:
Plot date: 03-DEC-2004 10:54
Plot by: edancman
Scale: 1/8"=1'-0"
File name: S:\divisions\military\niagara_fall\MEPS\Structural\MEPS S-102.dgn
Size
Rev:

PN 59873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

STEEL FRAMING PLAN

Sheet reference number:
S–102

Submitted by: edancman
pathfinder:dcadmin:military:niagara fall #59873:structural:MEPS S-102.dgn
Plot Date: 03-DEC-2004 10:54



1. SEE DWG. 106 FOR CANOPY DETAILS.
2. SEE DWG. 107 FOR ROOF FRAMING PLAN.

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT 1 - INCORPORATED ADDITIONAL BEAMS	12/20/04	
	90% SUBMISSION	10/14/04	
	60% SUBMISSION	09/09/04	
	35% SUBMISSION	08/19/04	

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Designed by: JJL
Dwn by: JJL
Ckd by:
Reviewed by:
Submitted by:
Date:
Size:
Rev:
Drawing file no.:
Drawing code:
Plot date: 03-DEC-2004 10:54
Plot by: adenmah
File name: S:\Benson\Military\Niagara Fall AFB\MEPS\Structural\MEPS S-103.dgn

PN 58673
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

ROOF SUPPORT PLAN

Sheet reference number:
S–103

Submitted by: adenmah
Plot Date: 03-DEC-2004 10:54
pw:\\ad-ccbuffalo\ny\Projects Full AFB\MEPS\Structural\MEPS S-103.dgn

COLUMN MARK	1A	1B	2A	2B	3A	3B	4A	4B	5B	5C	5D	5E	5F	5G	5H	6A	7A
TOP OF COLUMN WITH PLATE			6785 MM	6785 MM	7015 MM	7015 MM	6785 MM	6785 MM	6785 MM	7050 MM	7050 MM	6845 MM	6845 MM			6785 MM	6785 MM
DESIGNATION	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W8X31 (W200X46)	W8X31 (W200X46)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)
REF. FIN. FLOOR EL. = 0.0																	
TOP PL.THICKNESS	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM
BASE PL. SIZE L X W	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305	355X355	355X355	305X305	305X305	305X305	305X305
BASE PL. SIZE THICK	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
BASE PLATE TYPE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
PIER TYPE	1	1	1	1	1	1	1	1	1	2	2	1A	1A	1	1	1	1
FOOTING TYPE	A	A	A	A	A	A	A	A	A	B	B	A	A	A	A	A	A
TOP OF PIER ELEV.	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM
TOP OF FTG. ELEV.	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-760MM	-760MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM

NOTE: ALL COLUMN ELEVATIONS ARE TO BE DETERMINED AND FINALIZED WITH ROOF DESIGN.

COLUMN MARK	8B	8C	8D	8E	8F	8G	8H	9A	9B	10A	10B	11A	11B	12A	12B	13A	13B
TOP OF COLUMN WITH PLATE	6785 MM	7050 MM	7050 MM	6845 MM	6845 MM			6785 MM	6785 MM	7015 MM	7015 MM	6785 MM	6785 MM	6785 MM	6785 MM		
DESIGNATION	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W8X31 (W200X46)	W8X31 (W200X46)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)	W6X25 (W150X37)
REF. FIN. FLOOR EL. = 0.0																	
TOP PL.THICKNESS	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM	13MM
BASE PL. SIZE L X W	305X305	305X305	305X305	355X355	355X355	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305	305X305
BASE PL. SIZE THICK	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
BASE PLATE TYPE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
PIER TYPE	1	2	2	1A	1A	1	1	1	1	1	1	1	1	1	1	10	10
FOOTING TYPE	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	C	C
TOP OF PIER ELEV.	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM	-255MM
TOP OF FTG. ELEV.	-915MM	-760MM	-760MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM	-915MM

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT 1 - INCORPORATED COLUMN HEIGHTS & NOTE	12/02/04	
	90% SUBMISSION	10/14/04	
	60% SUBMISSION	09/09/04	
	35% SUBMISSION	07/30/04	

U.S. ARMY ENGINEER DISTRICT
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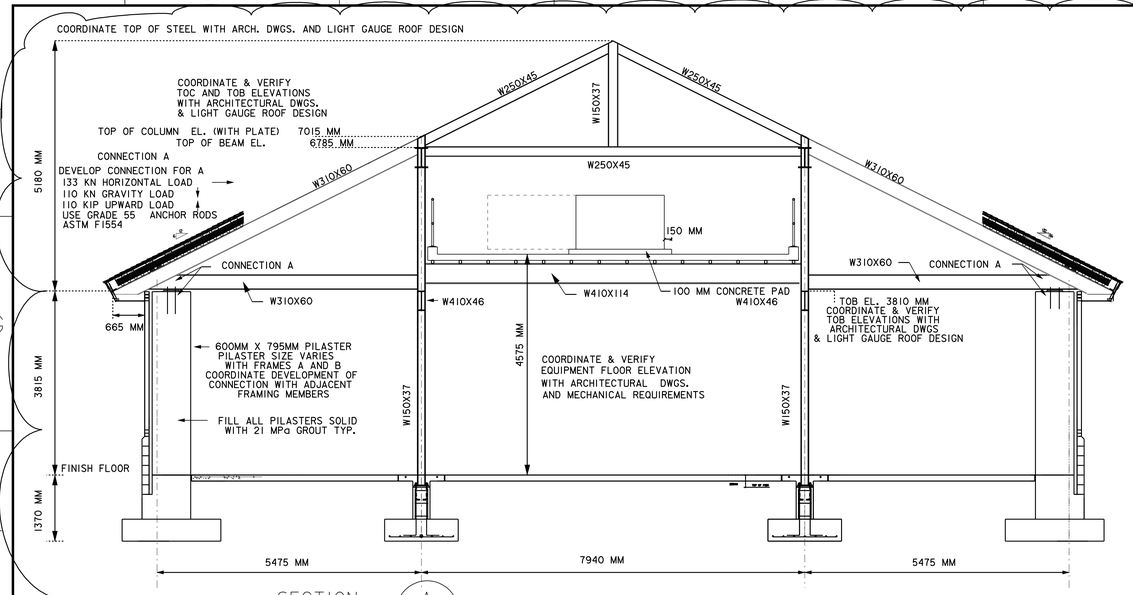
Designed by: JAL | Date: | Size: | Rev:
Dwn by: JAL | Ckd by: | Drawing file no.:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 10:54 | Plot by: adondoh | Rate: 100.00000000000
File name: S:\Moson\military\Niagara Falls\FINAL\MEPS\Structural\MEPS_S-104.dgn

PN 58673
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

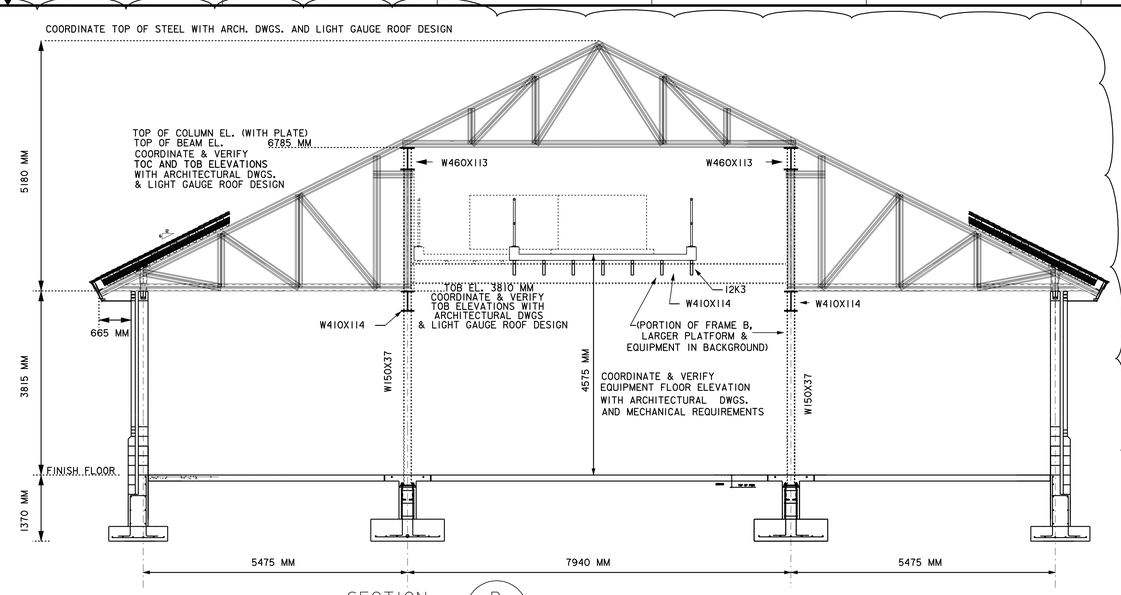
COLUMN SCHEDULE

Sheet reference number:
S–104

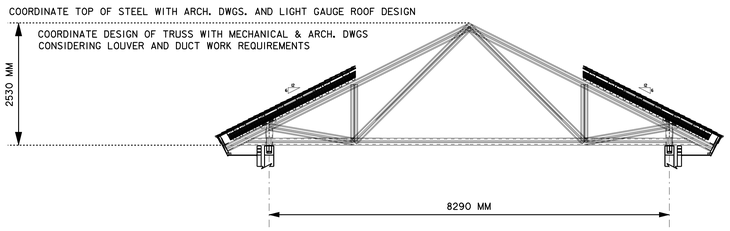
Plot Date: 03-DEC-2004 10:54
S:\Moson\military\Niagara Falls\FINAL\MEPS\Structural\MEPS_S-104.dgn
Submitted by: adondoh
Submitted by: S:\Moson\military\Niagara Falls\FINAL\MEPS\Structural\MEPS_S-104.dgn



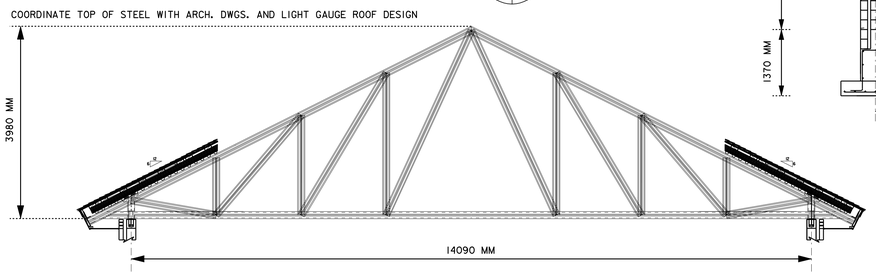
SECTION A (S107 | S105)
6 ON 12 MOMENT FRAMES A AND B SIMILAR
OVERHANG AT COLUMN LINE 10 VARIES
ROOF TRUSS MANUFACTURER TO COORDINATE



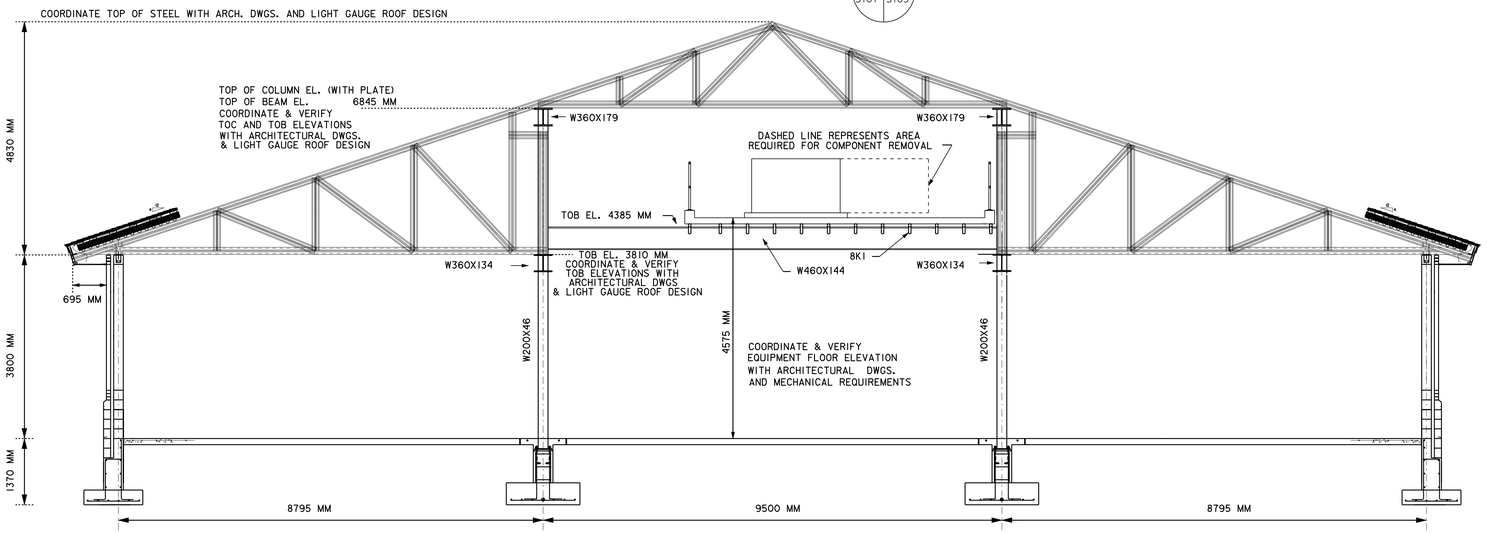
SECTION B (S107 | S105)
TYPICAL LIGHT GAUGE TRUSSES 6 ON 12 SLOPE



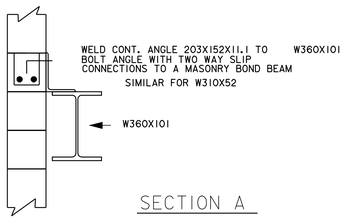
SECTION D (S107 | S105)



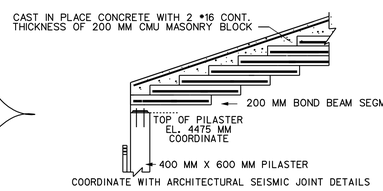
SECTION E (S107 | S105)



SECTION C (S107 | S105)
TYPICAL LIGHT GAUGE TRUSSES 4 ON 12 SLOPE

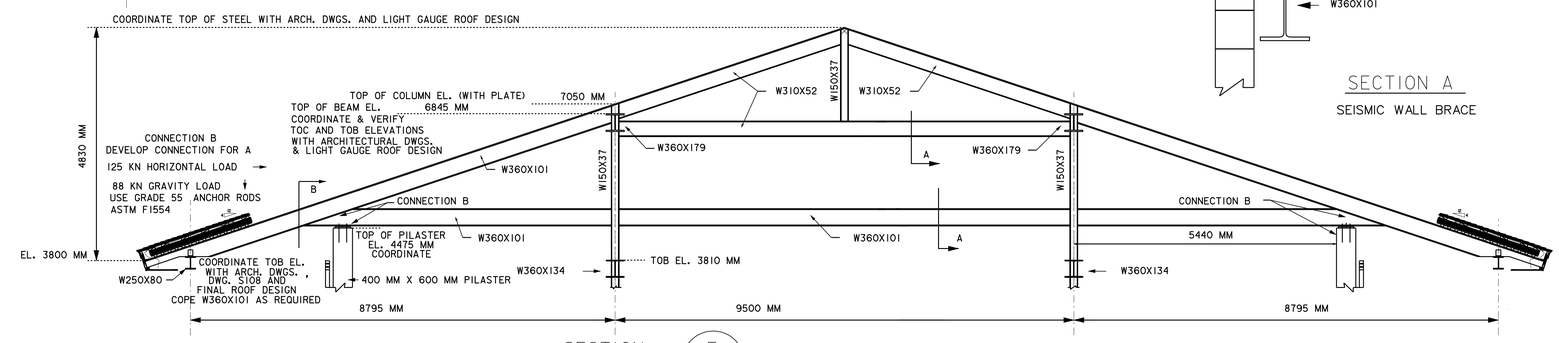


SECTION A
SEISMIC WALL BRACE



SECTION B

TYPICAL BOND BEAM PLACEMENT
AT TOP OF 4 ON 12 SLOPED SEISMIC WALLS



SECTION F (S107 | S105)
MASONRY BRACING FRAME AT SEISMIC JOINT
(ALL SHEAR CONNECTIONS)

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT 1 - UPDATED TRUSS AND FRAME DETAILS	12/10/04	
	90% SUBMISSION	10/14/04	
	60% SUBMISSION	08/30/04	
	35% SUBMISSION	03/19/04	

Designed by: JAL
Date:
Size:
Rev.
Dwn by: JAL
Ckd by: JAL
Drawing file no:
Drawing code:
Reviewed by:
Plot date: 03-DEC-2004 10:54
Plot by: ejenoman
Submitted by:
Scale: 100/0/0/0/0/0/0/0/0
File name: S:\Benson\military\Niagara_Falls\MEPS\Structural\MEPS S-105.dgn

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

PN 59873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

MISC. STEEL SECTIONS

Sheet reference number:
S–105

Submitted by: ejenoman
Plot Date: 03-DEC-2004 10:54
Saf:\Nor\admin\Nor\pw\Niagara Fall AFB\MEPS\Structural\MEPS S-105.dgn

NOTES:

1. CONTRACTOR SHALL DESIGN MOMENT CONNECTIONS TO FULL MOMENT CAPACITY OF THE BEAM.
2. CONTRACTOR SHALL DESIGN SHEAR CONNECTIONS TO FULL SHEAR CAPACITY OF THE BEAM.
3. PRE-ENGINEERED, COLD-FORMED STEEL ROOFING SYSTEM TO BE DESIGNED BY CONTRACTOR TRUSS MANUFACTURER.
4. SEE DWG. S-106 FOR CANOPY DETAILS.
5. ○ PROVIDE ROOF VALLEY BEAM SUPPORT TO BEAM BELOW.
6. ▲ PROVIDE MOMENT CONNECTION.
7. COORDINATE ALL ELEVATIONS, EQUIPMENT LOCATIONS, FINAL LOADINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND STEEL FABRICATOR AND ROOF SYSTEM MANUFACTURER.
8. OBTAIN FINAL EQUIPMENT LOADS, DIMENSIONS AND LOCATIONS FROM MANUFACTURERS.
9. ROOF LOADS:

SNOW LOAD

GROUND SNOW LOAD	2.2 KN/M^2
FLAT ROOF SNOW LOAD	1.6 KN/M^2
UNBALANCED SNOW LOAD	2.6 KN/M^2
VALLEY SNOW LOAD	3.0 KN/M^2
DRIFT SNOW LOADS:	
AT INTERSECTION OF 4 ON 12 WITH 6 ON 12 ROOF	3.3 KN/M^2
AT HIP ENDS 6 ON 12 ROOF	4.3 KN/M^2
AT HIP ENDS 4 ON 12 ROOF	3.4 KN/M^2

WIND LOAD

BASIC WIND SPEED	44.7 M/S	
AT HIP ENDS 4 ON 12 ROOF	1.0 KN/M^2	(UPWARD)
	0.6 KN/M^2	(DOWNWARD)
REMAINDER OF 4 ON 12 ROOF	0.8 KN/M^2	(UPWARD)
	0.6 KN/M^2	(DOWNWARD)
AT HIP ENDS 6 ON 12 ROOF	1.1 KN/M^2	(UPWARD)
	0.5 KN/M^2	(DOWNWARD)
REMAINDER OF 6 ON 12 ROOF	0.8 KN/M^2	(UPWARD)
	0.5 KN/M^2	(DOWNWARD)

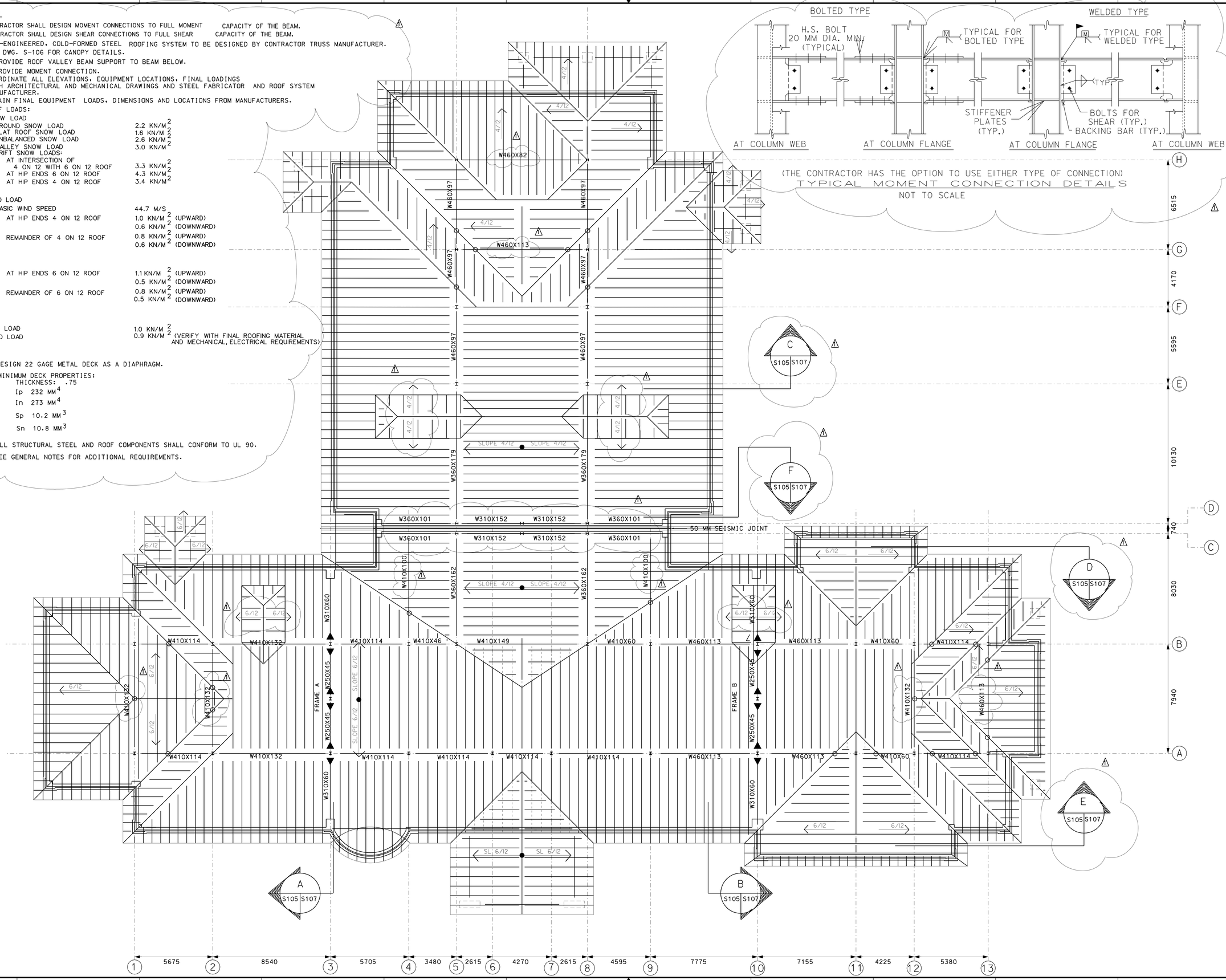
LIVE LOAD 1.0 KN/M^2
DEAD LOAD 0.9 KN/M^2 (VERIFY WITH FINAL ROOFING MATERIAL AND MECHANICAL, ELECTRICAL REQUIREMENTS)

10. DESIGN 22 GAGE METAL DECK AS A DIAPHRAGM.

MINIMUM DECK PROPERTIES:
THICKNESS: .75
Ip 232 MM^4
In 273 MM^4
Sp 10.2 MM^3
Sn 10.8 MM^3

11. ALL STRUCTURAL STEEL AND ROOF COMPONENTS SHALL CONFORM TO UL 90.
12. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

(THE CONTRACTOR HAS THE OPTION TO USE EITHER TYPE OF CONNECTION)
TYPICAL MOMENT CONNECTION DETAILS
NOT TO SCALE



Submitted by: e3ernosh
Settler:ebemilter:pwhigare Fail AFBAMEPS:pl:nactive:PMEPS S-101.dgn
Plot Date: 03-DEC-2004 10:54

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	AMENDMENT 1 – INCLUDED DORMER SLOPES, MOVED CONNECTION DETAIL FROM S-105, ADDED ADDITIONAL NOTES, BEAM DESIGNATIONS AND SECTION LOCATORS	12/02/04	
	90% SUBMISSION	10/14/04	
	65% SUBMISSION	08/30/04	
	35% SUBMISSION	03/19/04	

U.S. ARMY ENGINEER DISTRICT
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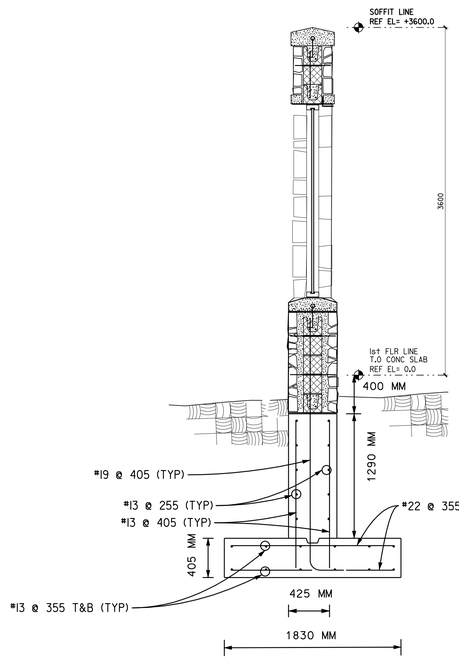
Designed by: JAL
Dwn by: JAL Ckd by:
Reviewed by:
Submitted by:
Date:
Drawing file no.:
Drawing code:
Plot date: 03-DEC-2004 10:54
Plot by: admnosh
Size: Rev.:
File name: S:\Navcon\military\Niagara Fall\PS\MEPS Structural\MEPS S-107.dgn

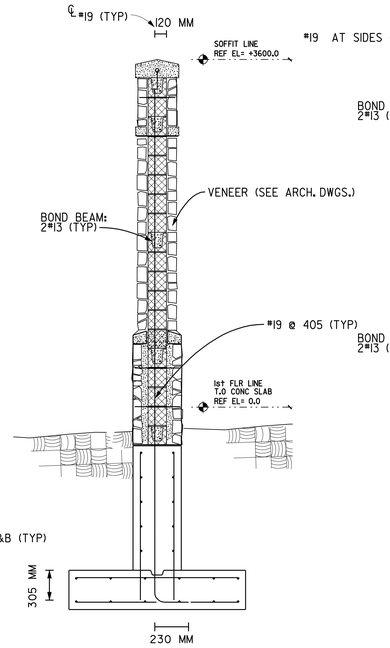
MILITARY ENTRANCE PROCESSING STATION (MEPS)
PN 58873
NIAGARA FALLS, NY

ROOF FRAMING PLAN

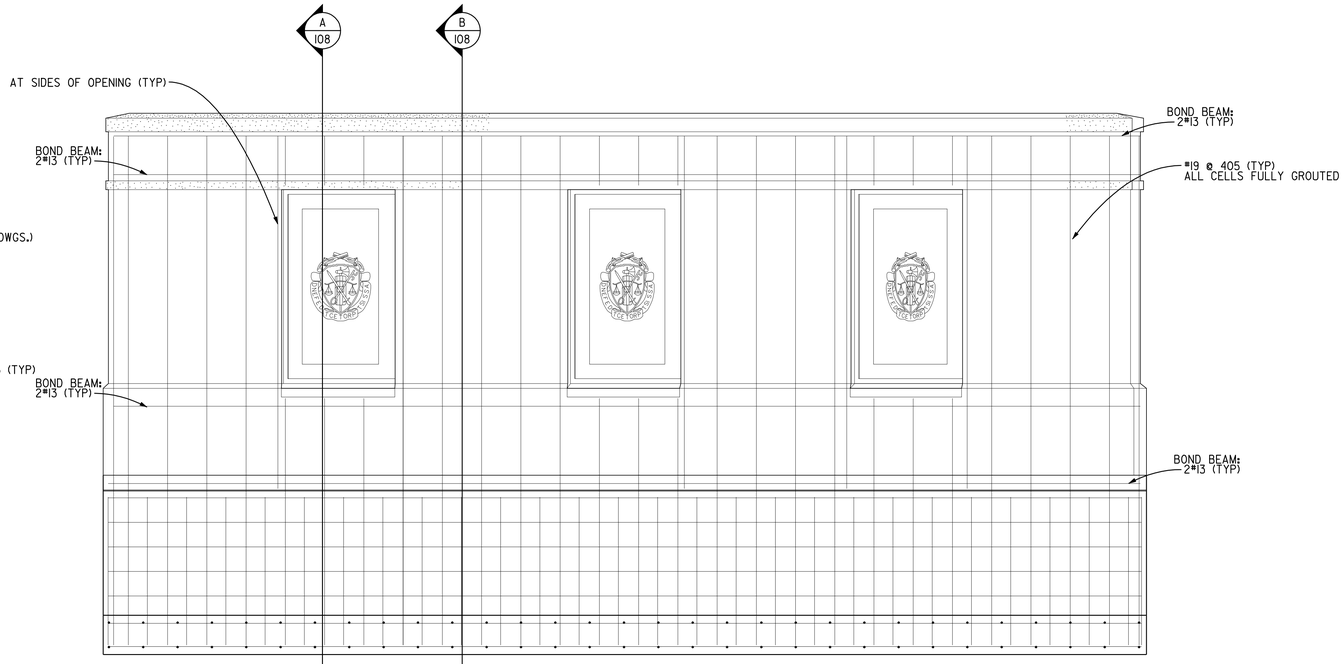
Sheet reference number:
S–107



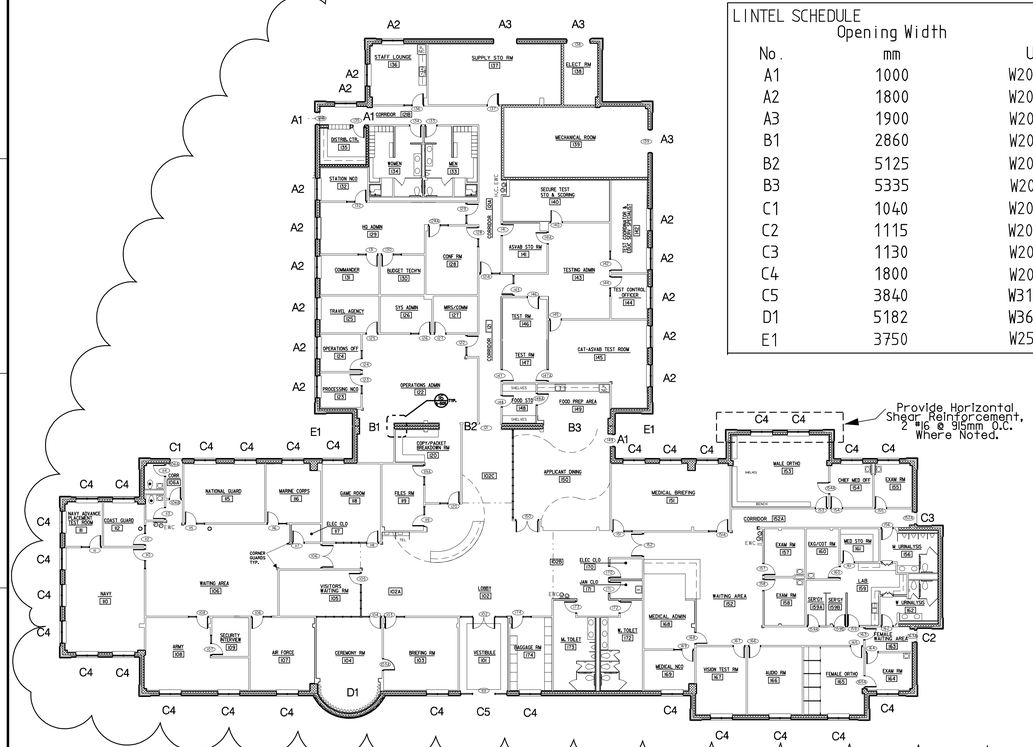
TYP. ENTRANCE WALL THRU. PLAQUE (A / 108)
NOT TO SCALE



TYP. ENTRANCE WALL SECTION (B / 108)
NOT TO SCALE

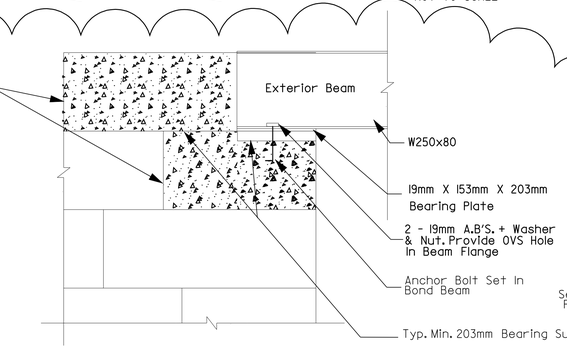


FRONT VIEW OF ENTRANCE WALL (OPPOSITE HAND SIMILAR) (X / 108)
NOT TO SCALE

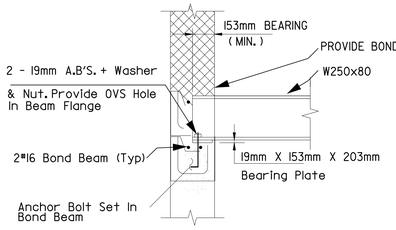


LINTEL SCHEDULE

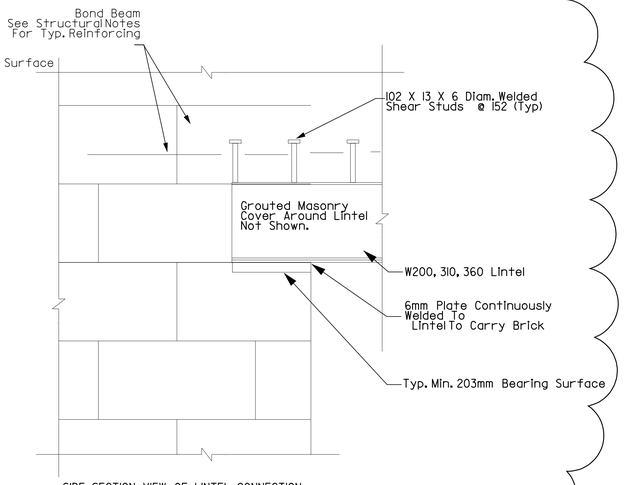
No.	Opening Width mm	USE
A1	1000	W200X46
A2	1800	W200X46
A3	1900	W200X46
B1	2860	W200X46
B2	5125	W200X46
B3	5335	W200X46
C1	1040	W200X46
C2	1115	W200X46
C3	1130	W200X46
C4	1800	W200X46
C5	3840	W310X67
D1	5182	W360X79
E1	3750	W250X80



Exterior Beam Connection
Not To Scale



Typ. Beam Bearing On Masonry Wall
Not To Scale



SIDE SECTION VIEW OF LINTEL CONNECTION
NOT TO SCALE

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.
1	ADMIN SUBMISSION LINTEL SCHEDULE AND LINTEL DETAIL	12/10/04	
	90% SUBMISSION	10/14/04	
	60% SUBMISSION	08/19/04	
	35% SUBMISSION	03/19/04	

Designed by: DRSOD | Date: | Size: | Rev:
Own by: DRSOD | Chkd by: | Drawing file no.:
Reviewed by: | Drawing code:
Submitted by: | Plot date: 03-DEC-2004 10:54 | Plot by: eDenmash | Date: 10/09/2004
File name: J:\Benson\military\Niagara Falls\MEPS\Structural\MEPS S-108.dgn

U.S. ARMY ENGINEER DISTRICT
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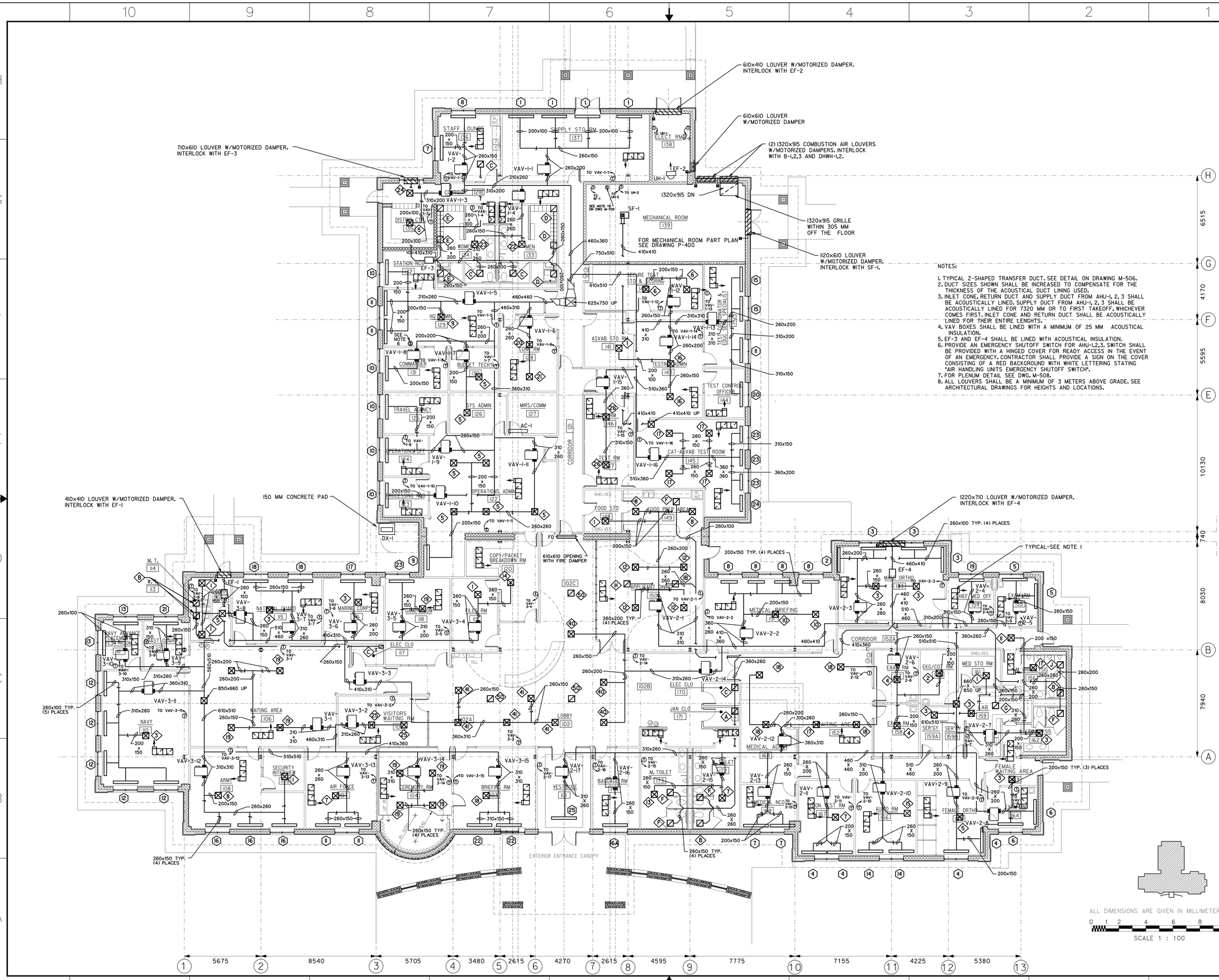
PN 59873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

MASONRY DETAILS

Sheet reference number:
S–108

Submitted by: eDenmash
pathfinder=lintel,pathfinder=Fall 1999\Structural\MEPS S-108.dgn
Plot Date: 03-DEC-2004 10:54



NOTES:

1. TYPICAL Z-SHAPED TRANSFER DUCT. SEE DETAIL ON DRAWING M-506.
2. DUCT SIZES SHOWN SHALL BE INCREASED TO COMPENSATE FOR THE THICKNESS OF THE ACOUSTICAL DUCT LINING USED.
3. INLET CONE, RETURN DUCT AND SUPPLY DUCT FROM AHU-1, 2, 3 SHALL BE ACOUSTICALLY LINED. SUPPLY DUCT FROM AHU-1, 2, 3 SHALL BE ACOUSTICALLY LINED FOR 7320 MM OR TO FIRST TAKEOFF, WHICHEVER COMES FIRST. INLET CONE AND RETURN DUCT SHALL BE ACOUSTICALLY LINED FOR THEIR ENTIRE LENGHTS.
4. VAV BOXES SHALL BE LINED WITH A MINIMUM OF 25 MM ACOUSTICAL INSULATION.
5. EF-3 AND EF-4 SHALL BE LINED WITH ACOUSTICAL INSULATION.
6. PROVIDE AN EMERGENCY SHUTOFF SWITCH FOR AHU-1,2,3. SWITCH SHALL BE PROVIDED WITH A HINGED COVER FOR READY ACCESS IN THE EVENT OF AN EMERGENCY. CONTRACTOR SHALL PROVIDE A SIGN ON THE COVER CONSISTING OF A RED BACKGROUND WITH WHITE LETTERING STATING 'AIR HANDLING UNITS EMERGENCY SHUTOFF SWITCH'.
7. FOR PLENUM DETAIL SEE DWG. M-508.
8. ALL LOUVERS SHALL BE A MINIMUM OF 3 METERS ABOVE GRADE. SEE ARCHITECTURAL DRAWINGS FOR HEIGHTS AND LOCATIONS.

US Army Corps of Engineers
New York District

Symbol	Description	Date	Appr.

Designed by: | Date: | Size: | Rev.
Dwn by: | Ckd by: | Drawing file no.:
Reviewed by: | Drawing code:
Submitted by: | Pnt date: 03-DEC-2004 10:54 | Plot by: admcmah | Plot file: 100-M0000000
File name: S:\Benson\military\Niagara Falls\MEPS\Mechanical\MEPS M-100.dgn

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK

PN 58873
MILITARY ENTRANCE PROCESSING STATION (MEPS)
NIAGARA FALLS, NY

FLOOR PLAN DUCTWORK

Sheet reference number:
M–100

Submitted by: e3emcmah
Plot Dates: 03-DEC-2004 10:54
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