A NEW MUNICIPAL BUILDING
FOR
THE CITY OF MORAINE, OHIO

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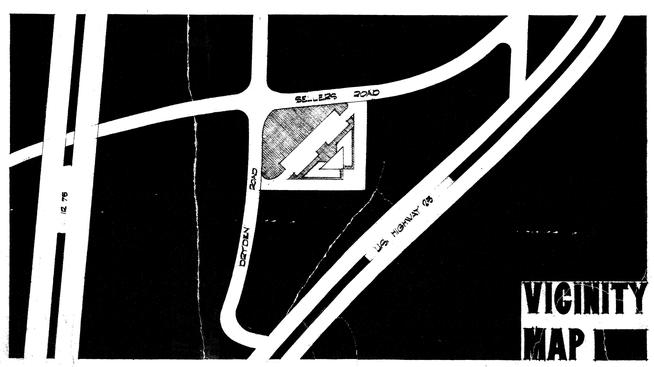
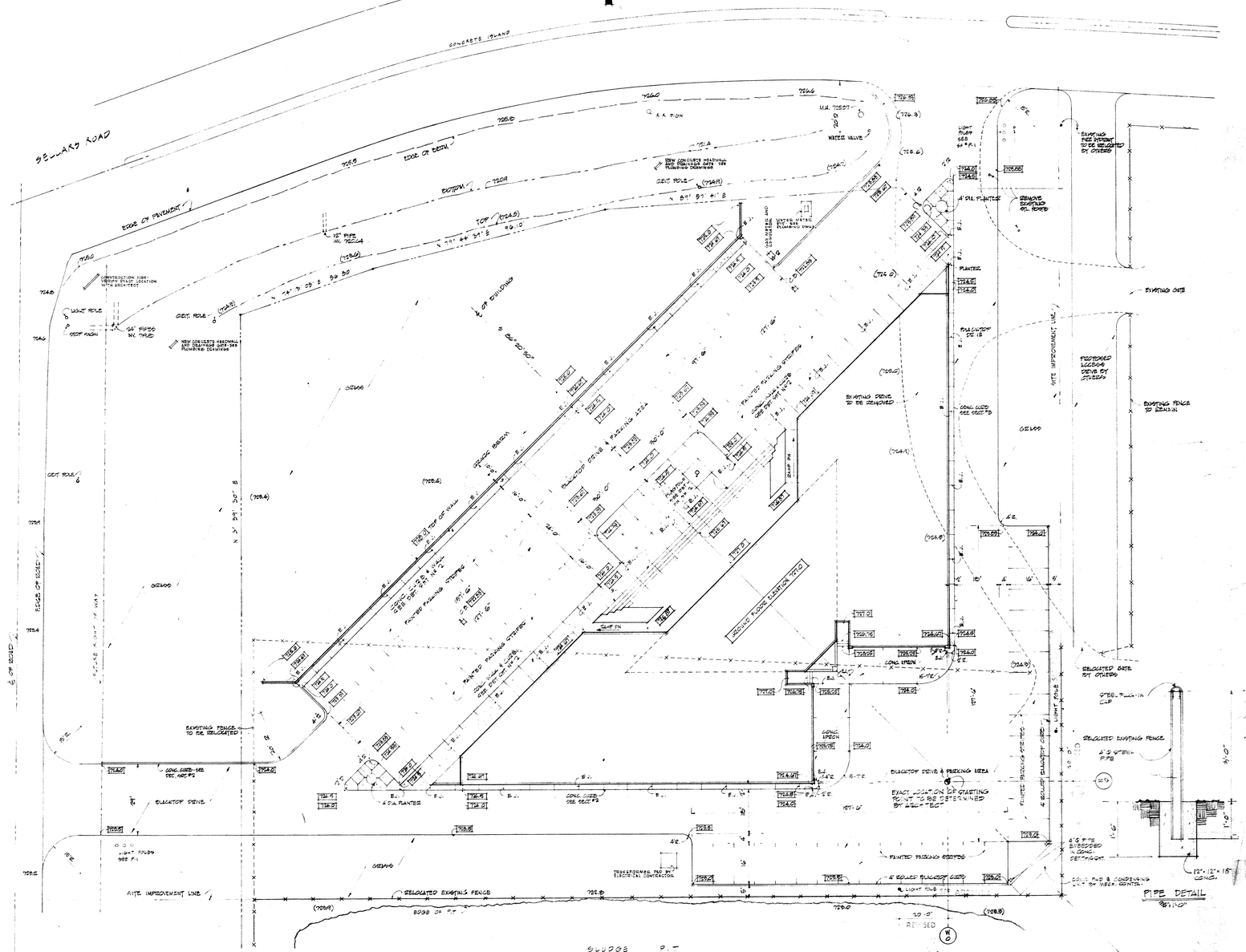
12	TOILET ROOMS INTERIOR DETAILS		

INDICATION OF MATERIALS

MASONRY BLOCK	DRYWALL	EARTH
CONCRETE	INSULATION	GLASS
SLATE	WOOD	METAL
CERAMIC TILE	GRAVEL	BLACKTOP



VICINITY MAP


SELLARS ROAD
DRYDEN ROAD
CONCRETE ISLAND
EDGE OF PAVEMENT
EDGE OF DITCH
CENT. ROW
N 84° 57' 41" E
N 74° 19' 55" E 59.80
TOP (720.40)
BOTTOM (720.9)
16" PIPE INV. 712.14
24" PIPE INV. 711.05
CONSTRUCTION JOINT VERTICAL OFFSET LOCATION NOTE BACK FRONT
NEW CONCRETE HEADWALL AND DRAINAGE GATE SEE PLUMBING DRAWINGS
EXISTING MANHOLE AND CATCH BASIN SEE PLUMBING DRAWINGS
EXISTING MANHOLE TO BE REMOVED
EXISTING CATCH BASIN TO BE REMOVED
EXISTING DRIVE TO BE REMOVED
EXISTING FENCE TO BE RELOCATED
RELOCATED EXISTING FENCE
EXISTING FENCE TO REMAIN
EXISTING GATE
RELOCATED GATE BY OTHERS
PROPOSED LOCATION DRIVE BY OTHERS
SITE IMPROVEMENT LINE
EXISTING TREES TO BE REMOVED
EXISTING TREES TO REMAIN
EXISTING PIPE INTENT TO BE RELOCATED BY OTHERS
REMOVE EXISTING OIL PUMP
4' DIA. PLANTER
PLANTER
BOLLARDS SEE I/B
CONC. CURB SEE DET. P3
CONC. APRON
BLACKTOP DRIVE & PARKING AREA
EXACT LOCATION OF EXISTING POINT TO BE DETERMINED BY FIELD TEST
PAINTED PARKING STRIPES
CONC. CURB & GUTTER SEE DET. NO. 2
CONC. CURB SEE DET. P3
CONC. PAD & COMPRESSOR SEE BY MECH. CONTR.
PIPE DETAIL
BEHIND
STEEL PLATE IN CURB
4'-0" STEEL PIPE
4'-6" STEEL PIPE EMBEDDED IN CONC. FOOTING
12"-12"-15" CONC.
GRADE X-SHOT IN WALK
EDGE OF ROAD
EDGE OF ROAD
GRAVEL
GRASS
BRUSH
TRANSFORMER PAD BY ELECTRICAL CONTRACTOR
4" CONC. SLAB
4" CONC. CURB
6" CONC. CURB
GROUND FLOOR ELEVATION 720.0
REVISED
(720.0)
(720.4)
(720.6)
(720.8)
(720.9)
(721.0)
(721.1)
(721.2)
(721.3)
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(722.0)
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(723.9)
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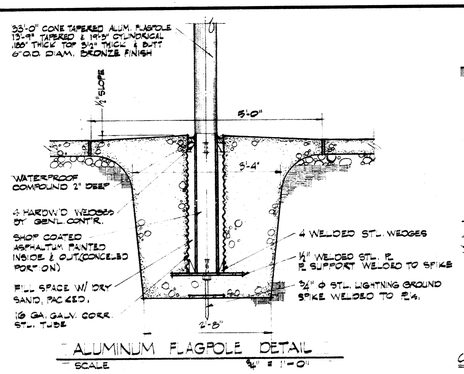
(724.1)
(724.2)
(724.3)
(724.4)
(724.5)
(724.6)
(724.7)

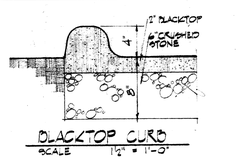
ROOM FINISH SCHEDULE

NO.	NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
		CONCRETE TROWEL FINISH; CERAMIC TILE; QUARRY TILE	CONCRETE; CERAMIC TILE; WOOD	CONCRETE; CONCRETE BLOCK; CERAMIC TILE; EXPOSED MASONRY	CONCRETE; GYPSUM BOARD; ACOUSTICAL TILE	
01	PISTOL RANGE	●	●	●	●	SEE DESIGN CRITERIA
02	STORAGE	●		●●	●	-
03	RADIO EQUIP.	●		●●	●	-
04	LOBBY	▲ ●	▲ ●	●	●●	-
05	MEN	●	●	●●	●●	SEE DESIGN CRITERIA
06	WOMEN	●	●	●●	●●	DO
07	LOUNGE	▲ ●	▲ ●	●●	●●	DO
07B	CORRIDOR	●	●	●●	●●	-
08	KITCHEN	▲ ●	●	●	●●	SEE DESIGN CRITERIA
10	MECHANICAL	●		●●	●	-
11	EQUIPMENT	●		●●	●	-
6-1	STAIR	▲ ●	▲ ●	●	●●	SEE DESIGN CRITERIA
6-2	STAIR	●	●	●	●●	DO

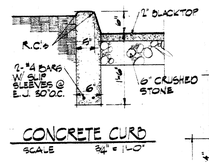
NOTES:
- EXTEND INTERIOR MASONRY WALLS TO UNDERSIDE OF CONCRETE SLAB ABOVE.
- SYMBOL "▲" NOTES ALTERNATE - SEE SPECIFICATIONS.



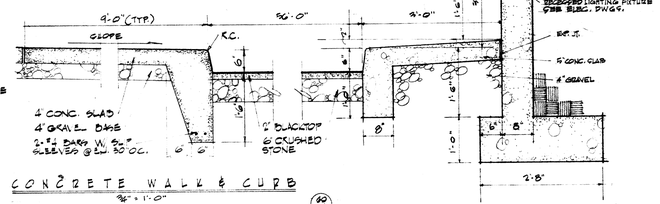
ALUMINUM FLAGPOLE DETAIL
SCALE 1/4" = 1'-0"



BLACKTOP CURB
SCALE 1½" = 1'-0"

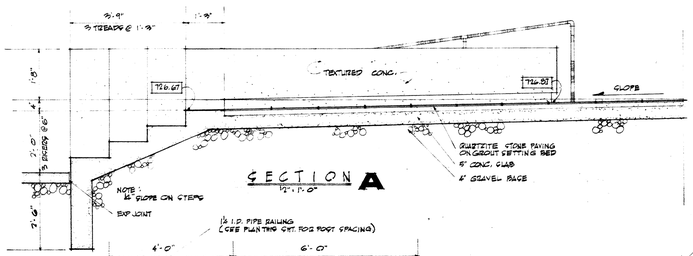


CONCRETE CURB
SCALE 3/4" = 1'-0"

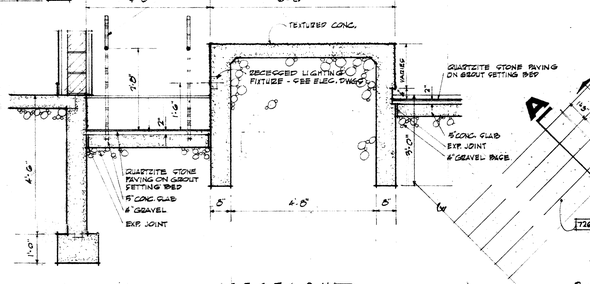


CONCRETE WALL & CURB
3/4" = 1'-0"

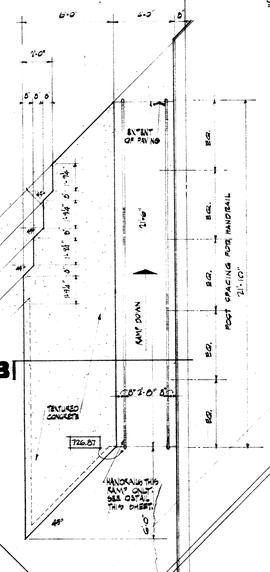
CONCRETE CURB & WALL
3/4" = 1'-0"



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

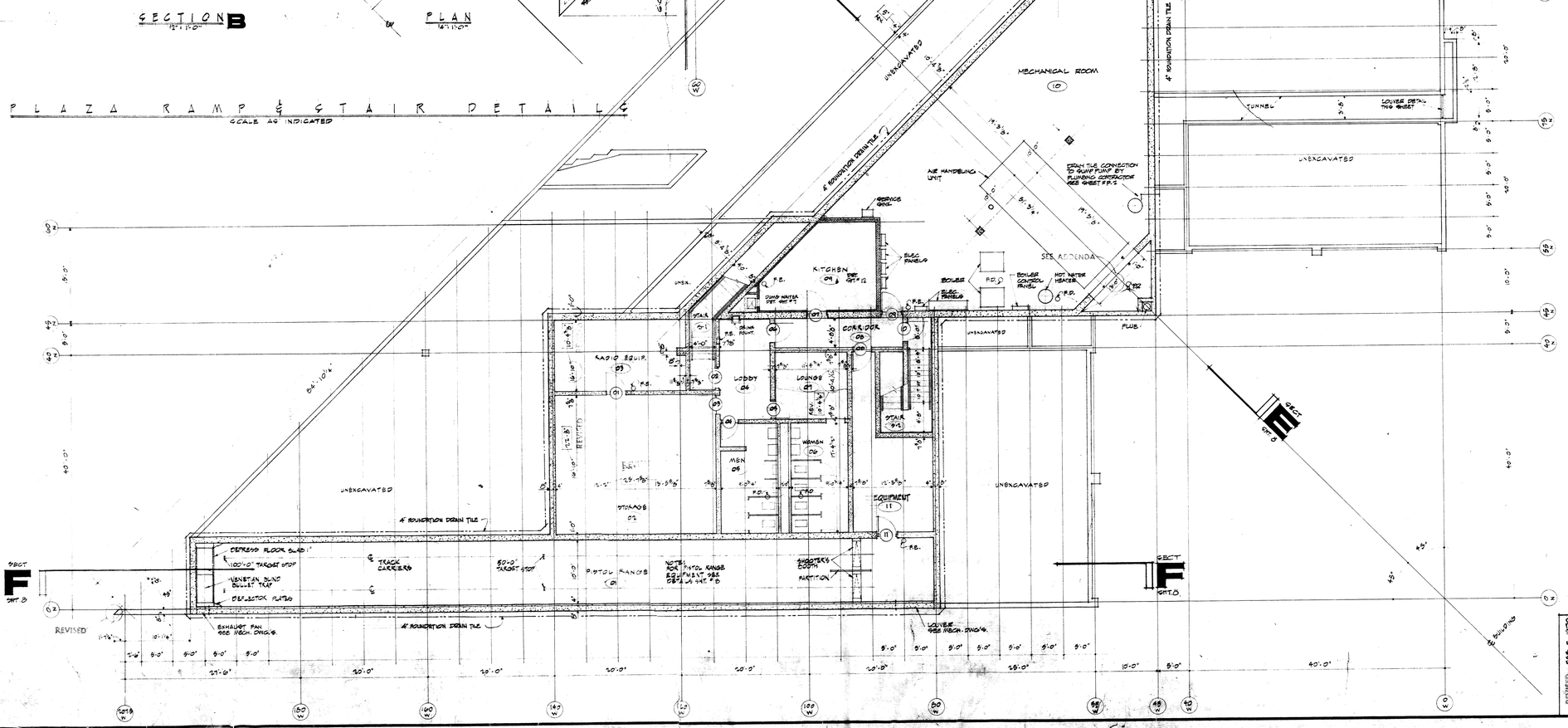


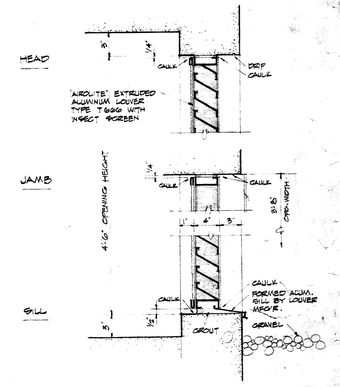
SECTION B
1/2" = 1'-0"



PLAN
1/4" = 1'-0"

PLAZA RAMP & STAIR DETAIL
SCALE AS INDICATED





RELIEF AIR LOUVER AT TUNNEL
SCALE: 1½" = 1'-0"

NORTH

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

REVISED P&S 9.1.70

STATE OF OHIO — PAUL P. BROWN 2334 — JOHN M. READ 2384 — REGISTERED ARCHITECTS

BROWN & READ & ASSOCIATES ARCHITECTS — A.I.A. #2334 & #2384

A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE OHIO

BASEMENT FLOOR PLAN, ROOM FINISH SCHEDULE

SHEET NO. 2

ROOM FINISH SCHEDULE

NO.	NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
		CONCRETE; VINYL ASBESTOS TILE; QUARRY TILE; CERAMIC TILE; CARPET; TERRAZZO; RUBBER TILE; WOOD BLOCK;	RUBBER; VINYL COVED; QUARRY TILE; CERAMIC TILE; WOOD;	PLASTER; CERAMIC TILE; WAINSCOT; WOOD; PANELING; FURRING; PLYWOOD; GYP. BOARD;	ACOUSTICAL TILE; PLASTER; GYP. BOARD; WOOD;	
101	POLICE CHIEF	●	●	●	●	SEE DETR. SHT. #12
102	LIEUTENANT	●	●	●	●	
103	INTERVIEW	●	●	●	●	
104	DETECTIVES	●	●	●	●	
105	CORRIDOR	●	●	●	●	
106	CLOSET	●	●	●	●	
107	SECRETARY	●	●	●	●	
108	LAB	●	●	●	●	SEE DETR. SHT. #12
109	INTERROGATN RM	●	●	●	●	
110	INTERROGATN RM	●	●	●	●	
111	PRINT ROOM	●	●	●	●	SEE DETR. SHT. #12
112	STORAGE	●	●	●	●	
113	CORRIDOR	●	●	●	●	
116	RECORDS	●	●	●	●	
118	CLERK OF COURT	●	●	●	●	
119	RADIO RECEPTION BOOKING AREA	●	●	●	●	
121	INDUCTION AREA	●	●	●	●	
123	WOMEN	●	●	●	●	SEE DETR. SHT. #12
124	MENS WASH RM.	●	●	●	●	DO
125	POLICE ASSEMBLY	●	●	●	●	
126	CORRIDOR	●	●	●	●	
127	CELL	●	●	●	●	SEE DETR. SHT. #12
128	CELL	●	●	●	●	DO
129	CELL	●	●	●	●	DO
130	CELL	●	●	●	●	DO
131	CORRIDOR	●	●	●	●	DO
132	CORRIDOR	●	●	●	●	DO
133	RECEIVING AREA	●	●	●	●	SEE DET. SHT. #12
134	PROPERTY	●	●	●	●	
135	LOCKER RM.	●	●	●	●	SEE DETR. SHT. #12
136	GARAGE	●	●	●	●	
137	CITY MANAGER	●	●	●	●	SEE DETR. SHT. #12
138	CLOSET	●	●	●	●	
139	STORAGE	●	●	●	●	
140	CLOSET	●	●	●	●	
141	ENGINEER	●	●	●	●	
142	SECRETARY	●	●	●	●	
143	CLOSET	●	●	●	●	
144	BUILDING INSPECTION	●	●	●	●	
145	CORRIDOR	●	●	●	●	
146	CONFERANCE	●	●	●	●	
147	RECORDS	●	●	●	●	
148	ASSISTANT ENGINEER	●	●	●	●	
149	FINANCE DIRECTOR	●	●	●	●	
150	BUSINESS MACHINES	●	●	●	●	
151	VAULT	●	●	●	●	SEE DETR. SHT. #12
152	OFFICE	●	●	●	●	
153	STORAGE	●	●	●	●	
154	FINANCE	●	●	●	●	SEE DETR. SHT. #12
160	LAW DIRECTOR	●	●	●	●	
161	MAYOR	●	●	●	●	
162	CLERK OF COUNCIL	●	●	●	●	
193	LOUNGE	●	●	●	●	
194	CONFERANCE	●	●	●	●	
195	LOUNGE	●	●	●	●	SEE DETR. SHT. #12
196	WOMEN	●	●	●	●	DO
197	JANITOR'S CLOSET	●	●	●	●	DO
198	MEN	●	●	●	●	DO
199	CORRIDOR	●	●	●	●	
200	COATS	●	●	●	●	SEE DETR. SHT. #12
201	GARAGE	●	●	●	●	
1001	COUNCIL COURT	●	●	●	●	SEE DETR. SHT. #7
1005	LOBBY	●	●	●	●	SEE DETR. SHT. #7
1006	FILM ROOM	●	●	●	●	SEE DETR. SHT. #12
1008	CLOSET	●	●	●	●	
6-1	STAIR	●	●	●	●	SEE DETR. SHT. #12
6-2	STAIR	●	●	●	●	DO

NOTES:
- EXTEND INTERIOR MASONRY WALLS TO UNDERSIDE OF METAL DECK OR CONCRETE SLAB ABOVE.
- TYPICAL INTERIOR WALLS - 3⅝" STEEL STUDS W/ 2 LAYERS 5/8" GYPSUM BOARD EACH SIDE.
- ▭ DENOTES SOUND ATTENUATION BLANKET IN WALL W/ 3" BATT INSULATION 4'-0" WIDE ABOVE CEILING.

PLAN
UPPER COUNCIL COURT
SEE SECT. & DET. SHT. NO. 10

PLAN
CLERESTORY WINDOW
SEE SECT. & DET. SHT. NO. 11

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

REVISED FEB 5, 1970

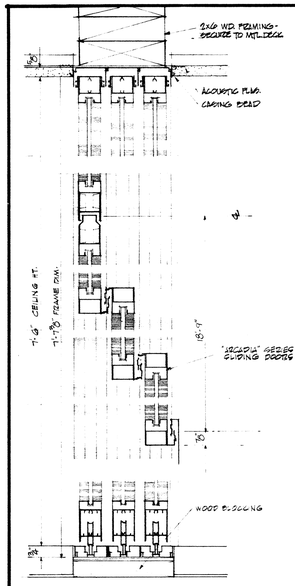
STATE OF OHIO — PAUL P. BROWN — 2304 — REGISTERED ARCHITECT

BROWN & HEAD & ASSOCIATES ARCHITECTS

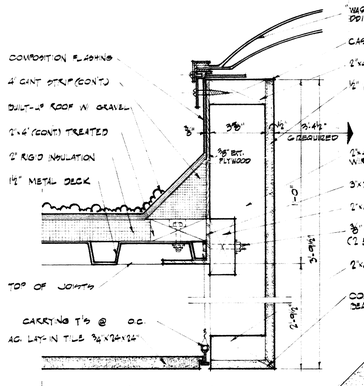
A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

GROUND FLOOR PLAN & ROOM FINISH SCHEDULE

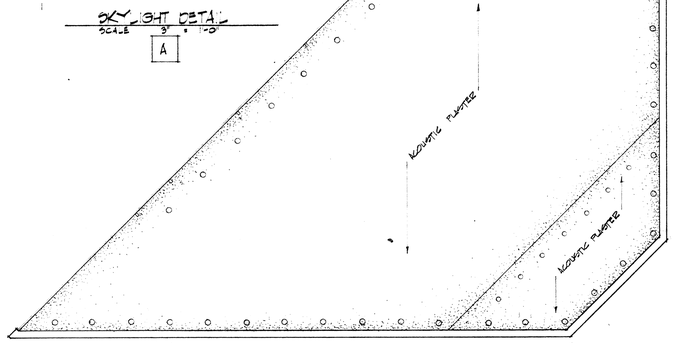
SHEET NO. 3



SLIDING GLASS DOOR 172
3/4" = 1'-0"



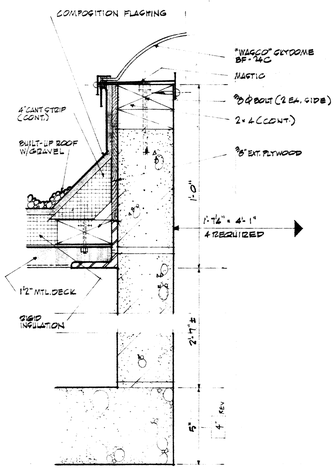
SKYLIGHT DETAIL
SCALE 3" = 1'-0"
A



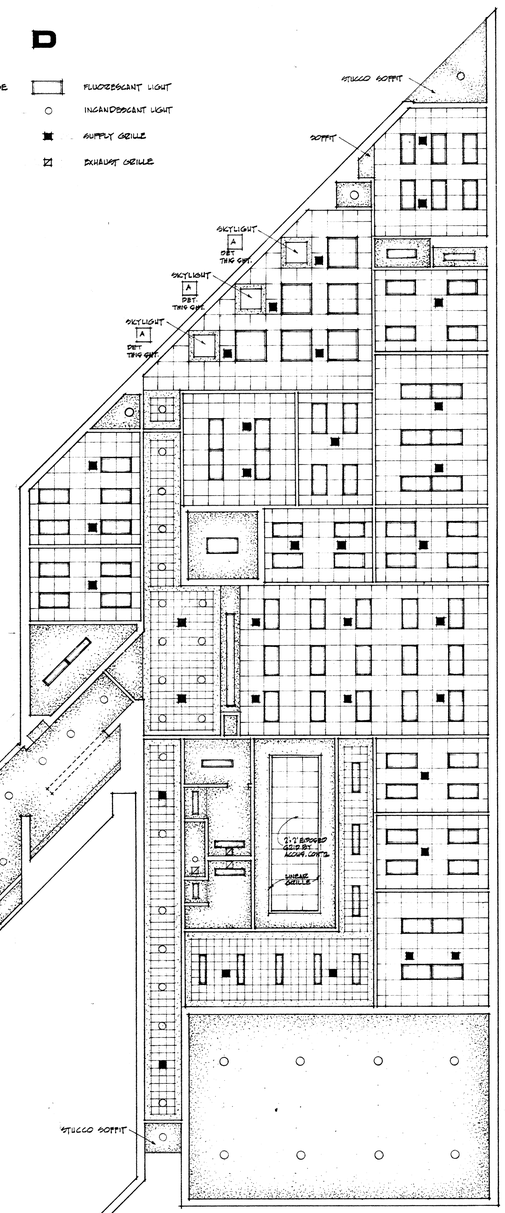
UPPER COUNCIL COURT REFLECTED CEILING PLAN

L E G E N D

- GYPSUM, BOXED UNLESS NOTED OTHERWISE
- 24" SQ. ACOUSTIC TILE (LAY-IN)
- 12" SQ. ACOUSTIC TILE (STICK-ON)
- FLUORESCENT LIGHT
- INCANDESCENT LIGHT
- SUPPLY GRILLE
- EXHAUST GRILLE

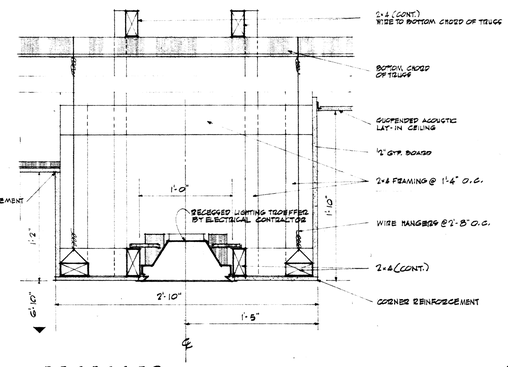


SKYLIGHT DETAIL
3/4" = 1'-0"
B



VAULT 146

VAULT DOOR 152
1½" = 1'-0"



RECESSED LIGHTING TROFFER
1½"=1'-0"
FOR LOCATION SEE COUNTER DETAILS SHT. NO 12

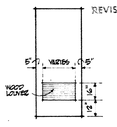
GROUND FLOOR REFLECTED CEILING PLAN

NORTH

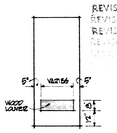
DOOR SCHEDULE

NO.	DOOR SIZE	THK.	DOOR TYPE	DOOR MAT.	FRAME TYPE	FRAME MAT.	LITE DESCRIPTION	HDW. SET	REMARKS
01	3'-0" x 6'-8"	1¾"	IX	WD.	C	MTL.	3/16"x10"x16" CPG	10	
02	3'-0" x 6'-8"	1¾"	II	WD.	D	MTL.	NO	9	SEE NOTE "B" LABEL
03	3'-0" x 6'-8"	1¾"	IX	WD.	D	MTL.	NO	10	
04	2'-8" x 6'-8"	1¾"	IX	WD.	D	MTL.	NO	21	
05	2'-8" x 6'-8"	1¾"	IX	WD.	D	MTL.	NO	21	
06	3'-0" x 6'-8"	1¾"	I	WD.	D	MTL.	NO	21	
07	3'-0" x 6'-8"	1¾"	IX	WD.	D	MTL.	LONG	SEE SHT. NO 6-2	14	
08	3'-0" x 6'-8"	1¾"	IX	WD.	D	MTL.	3/8"x10"x16" CPG	14	
09	3'-0" x 6'-8"	1¾"	II	WD.	E	MTL.	LONG	SEE SHT. NO 6-2	14	SEE NOTE "B" LABEL
10	3'-0" x 6'-8"	1¾"	II	WD.	D	MTL.	NO	9	SEE NOTE "B" LABEL
11	3'-0" x 6'-8"	1¾"	IX	WD.	E	MTL.	LONG	SEE SHT. NO 6-2	14	
101	2'-6" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
102	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
103	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
104	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
105	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
106	2'-8" x 6'-8"	1¾"	IX	WD.	A	MTL.	-	-	19	
107	2'-8" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
108	2'-8" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
109	2'-8" x 6'-8"	1¾"	IX	WD.	A	MTL.	-	-	29	
110	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
111	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
112	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	11	
113	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
114	2'-7½" x 8'-8"	1¾"	I	ALUM.	K	ALUM.	-	-	6	SEE DETAILS SHEET NO. 7
115	3'-0" x 6'-8"	1¾"	I	ALUM.	K	ALUM.	-	-	7	SEE DETAILS SHEET NO. 7
116	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
117	2'-8" x 6'-8"	1¾"	IX	WD.	A	MTL.	-	-	23	
118	2'-8" x 6'-8"	1¾"	III	WD.	A	MTL.	-	-	20	
119	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	18	
150	2'-0" x 6'-0"	GLAZING	FIBERGLASS		DOOR		-	-	1	SEE DETAILS SHEET NO. 12
151	2'-0" x 6'-0"	GLAZING	FIBERGLASS		DOOR		-	-	1	NO
152	2'-0" x 6'-0"	GLAZING	FIBERGLASS		DOOR		-	-	1	NO
153	2'-0" x 6'-0"	GLAZING	FIBERGLASS		DOOR		-	-	1	NO
154	2'-0" x 6'-0"	GLAZING	FIBERGLASS		DOOR		-	-	1	NO
155	2'-6" x 6'-0"	4"	FIBERGLASS		DOOR		3/16"x10"x16" CPG	-	1	NO (VISION PANEL)
156	2'-6" x 6'-0"	4"	FIBERGLASS		DOOR		NO	-	1	NO
157	2'-6" x 6'-0"	4"	FIBERGLASS		DOOR		NO	-	1	NO
158	3'-0" x 6'-8"	1¾"	I	WD.	D	MTL.	3/16"x10"x16" CPG	-	15	SEE NOTE "B" LABEL
159	15'-5" x 8'-1"½"	4"	OVERHEAD		DOOR		STL.	SEE SHT. NO 6-3	1	SEE DETAILS SHEET NO. 11
160	16'-5" x 8'-1"½"	4"	OVERHEAD		DOOR		STL.	NO	1	NO
161	16'-5" x 8'-1"½"	4"	OVERHEAD		DOOR		STL.	NO	1	NO
162	16'-5" x 8'-1"½"	4"	OVERHEAD		DOOR		STL.	NO	1	NO
163	5'-0" x 6'-10"½"	1¾"	I	ALUM.	K	ALUM.	-	-	3	SEE DETAILS SHEET NO. 9
164	3'-0" x 6'-10"½"	1¾"	I	ALUM.	K	ALUM.	-	-	3	NO
165	3'-0" x 6'-8"	1¾"	I	ALUM.	K	ALUM.	-	-	17	SEE DETAILS SHEET NO. 7
166	3'-0" x 6'-8"	1¾"	I	WD.	K	WD.	-	-	17	NO
167	3'-0" x 6'-8"	1¾"	I	WD.	D	MTL.	STL.	3/16"x10"x16" CPG	15	SEE NOTE "B" LABEL
168	2'-6" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
169	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
140	2'-6" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
141	2'-6" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
145	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
149	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
144	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
148	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
143	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
147	3'-0" x 6'-8"	1¾"	I	ALUM.	K	ALUM.	-	-	5	SEE DETAILS SHEET NO. 7
146	2'-6" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	13	
142	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	13	
170	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
171	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
191	3'-0" x 6'-8"	1¾"	I	WD.	D	MTL.	STL.	3/16"x10"x16" CPG	15	SEE NOTE "B" LABEL
192	9'-7½" x 6'-0"½"	4"	VAULT		DOOR		STL.	3/16"x10"x16" CPG	1	SEE DETAILS SHEET NO. 6
193	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
194	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
195	3'-0" x 6'-8"	1¾"	I	WD.	D	MTL.	STL.	3/16"x10"x16" CPG	11	
196	2 - 2'-5" x 6'-0"	1¾"	I	ALUM.	K	ALUM.	-	-	4	SEE DETAILS SHEET NO. 7
197	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
198	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
199	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
200	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
201	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
202	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
161	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
162	3'-0" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	
163	3'-0" x 6'-8"	1¾"	I	WD.	A	MTL.	-	-	19	
164	3'-0" x 6'-8"	1¾"	I	ALUM.	K	ALUM.	-	-	5	SEE DETAILS SHEET NO. 7
165	2'-8" x 6'-8"	1¾"	III	WD.	A	MTL.	-	-	22	
166	2'-8" x 6'-8"	1¾"	III	WD.	A	MTL.	-	-	22	
160	3'-0" x 6'-8"	1¾"	I	ALUM.	K	ALUM.	-	-	8	SEE DETAILS SHEET NO. 7
167	2'-8" x 6'-8"	1¾"	III	WD.	A	MTL.	-	-	19	
168	2 - 2'-10" x 7'-1"	1¾"	I	ALUM.	K	ALUM.	-	-	1	SEE DETAILS SHEET NO. 12
169	2 - 2'-10" x 7'-1"	1¾"	I	ALUM.	K	ALUM.	-	-	1	NO
170	2 - 2'-10½" x 7'-1"	1¾"	I	ALUM.	K	ALUM.	-	-	1	NO
171	2 - 2'-10½" x 7'-1"	1¾"	I	ALUM.	K	ALUM.	-	-	1	NO
172	6 - 0'-4" x 7'-6"	GLAZING		GLASS		-	-	1	SEE DETAILS SHEET NO. 6
179	3'-4" x 7'-4"	1¾"	I	ALUM.	K	ALUM.	-	-	5	SEE DETAILS SHEET NO.
174	3'-4" x 7'-4"	1¾"	I	ALUM.	K	ALUM.	-	-	5	NO
175	3'-0" x 6'-8"	1¾"	II	WD.	D	MTL.	STL.	3/16"x10"x16" CPG	1	SEE NOTE "B" LABEL (GLASS LOCK)
176	2 - 2'-0" x 6'-8"	1¾"	II	WD.	D	MTL.	STL.	NO	12	
177	2'-8" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	29	
178	2'-8" x 6'-8"	1¾"	II	WD.	A	MTL.	-	-	19	

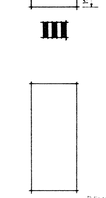
GENERAL NOTES:
1. FINISH ON METAL DOORS & FRAMES SHALL BE PAINT (SEE SPEC.).
2. FINISH ON WOOD DOORS & FRAMES SHALL BE VENEER (SEE SPEC.).
3. FINISH ON ALUMINUM DOORS & FRAMES SHALL BE AS SPECIFIED.
4. HARDWARE SETS LISTED IN FINISH HARDWARE SPECIFICATION.

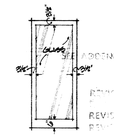


IV
SEE ADDENDA



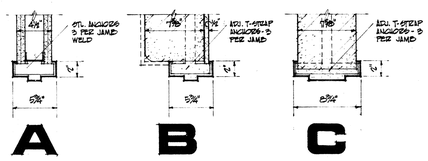
III



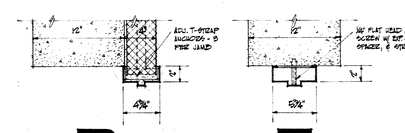


SEE ADDENDA
I
SEE ADDENDA

DOOR TYPES



A B C



D E

DOOR JAMBS

REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

REVISED FEB. 5, 1970

STATE OF OHIO — PHILIP H. BROWN 2334 — JOHN M. HEAD 2384 — REGISTERED ARCHITECTS

BROWN & HEAD & ASSOCIATES ARCHITECTS — OHIO #2334 & #2384

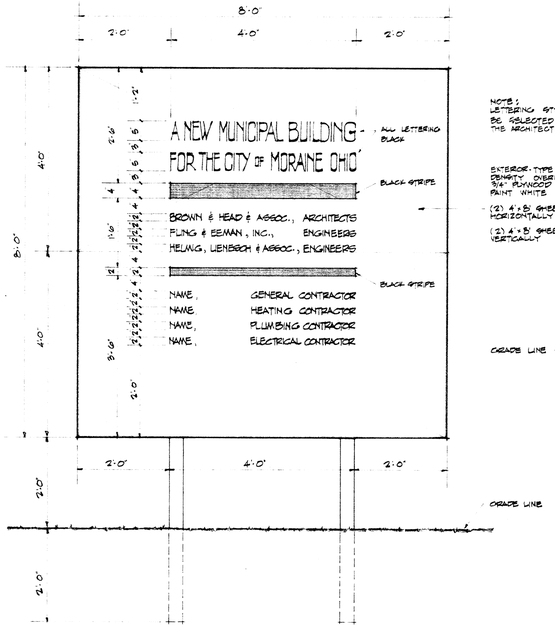
A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

REFLECTED CEILING PLAN, DOOR SCHEDULE, TYPES SIZE

SHEET NO. 4

COMM. / JOB NO.

DATE: OCTOBER 1969



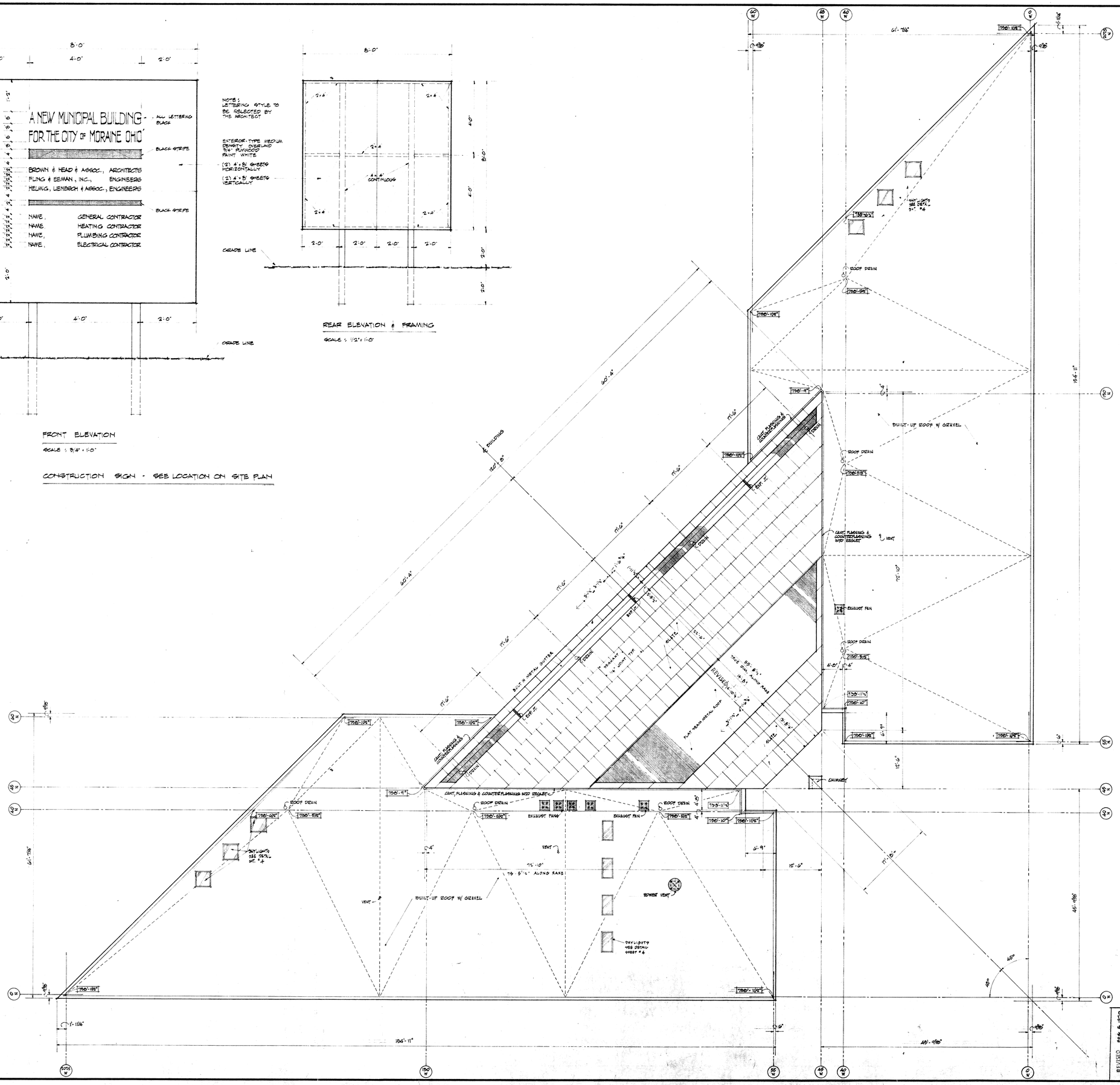
FRONT ELEVATION

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

CONSTRUCTION SIGN - SEE LOCATION ON SITE PLAN

REAR ELEVATION & FRAMING

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



NOTE:
ROOF ELEVATION = TOP OF INSULATION

NORTH

ROOF PLAN

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

REVISED FEB. 4, 1970

STATE OF OHIO
PAUL P. BROWN
2334
JOHN W. HEAD
2384
REGISTERED ARCHITECTS

BROWN & HEAD & ASSOCIATES
ARCHITECTS

OHIO
#2334 & #2384

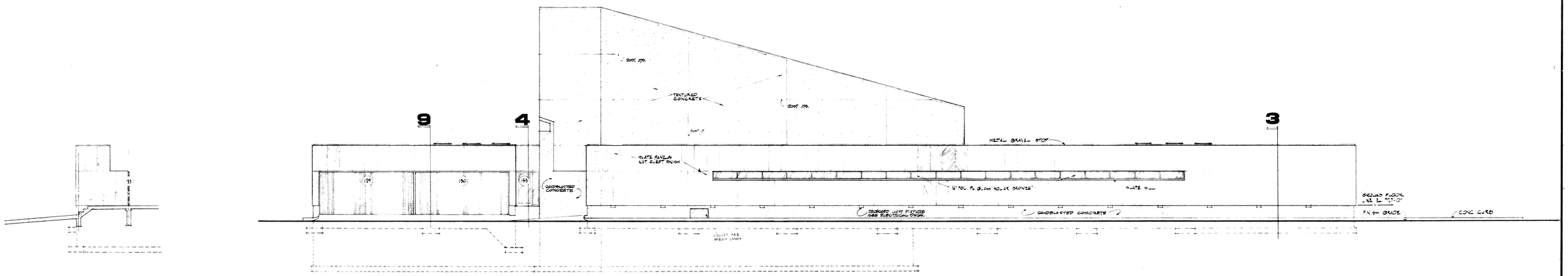
A NEW MUNICIPAL BUILDING
FOR THE CITY OF MORAINE OHIO

SHEET NO.

ROOF PLAN

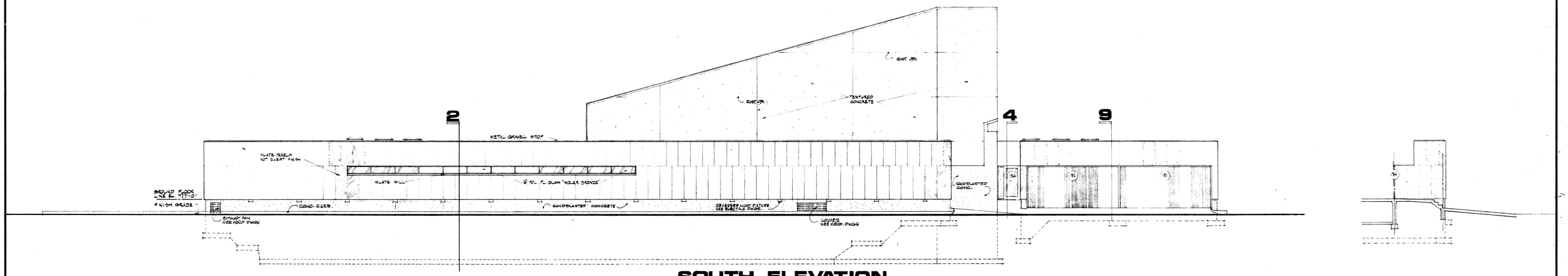
CONN. #60428

DATE: SEPT. 26, 1970



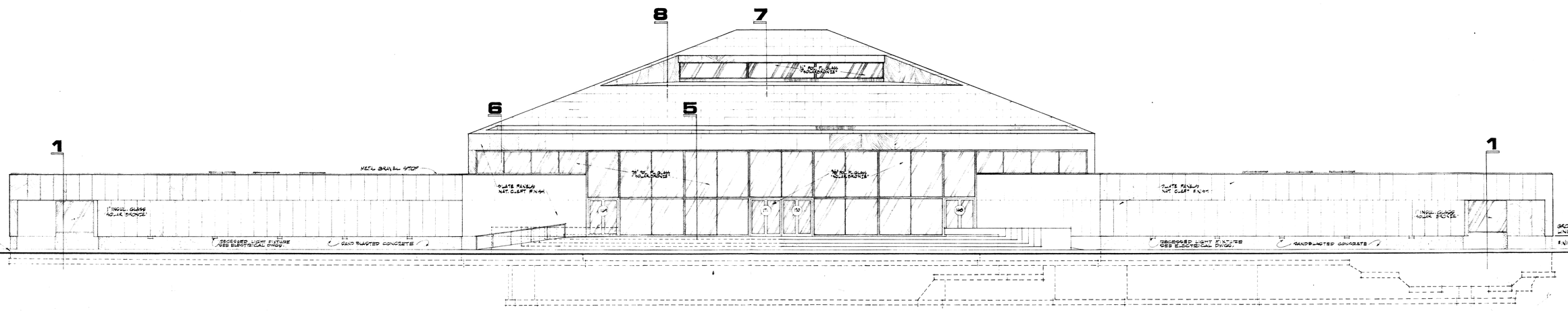
EAST ELEVATION

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



SOUTH ELEVATION

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



NORTHWEST ELEVATION

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

STATE OF OHIO
PAUL P. BROWN 2334
JOHN W. HEAD 2384
REGISTERED ARCHITECT

BROWN & HEAD & ASSOCIATES
ARCHITECTS

OHIO #2334 & #2384

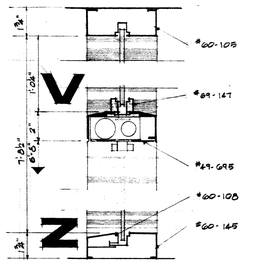
A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

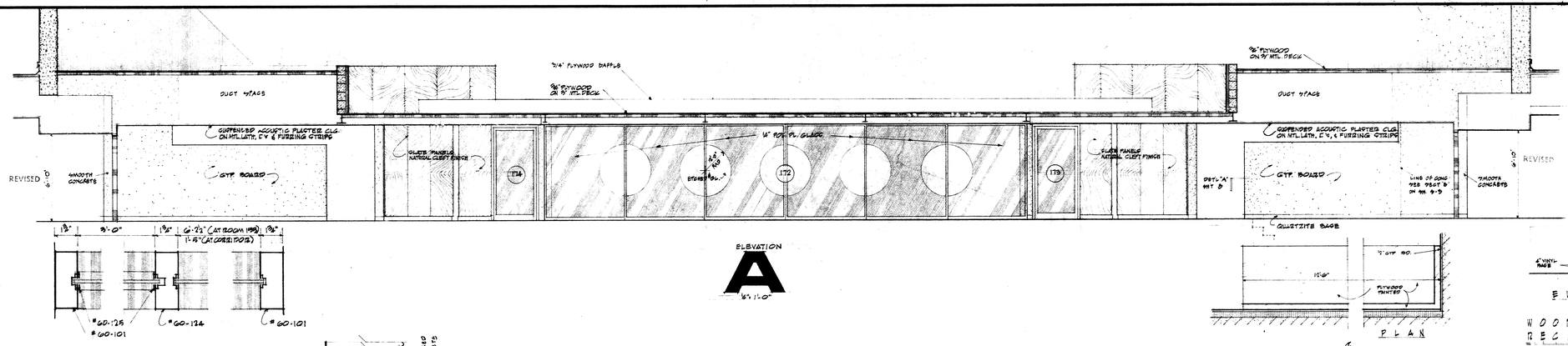
ELEVATIONS

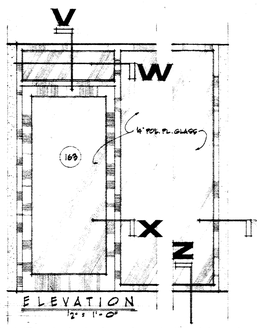
SHEET NO. 6

COMM. [illegible]

DATE: [illegible]



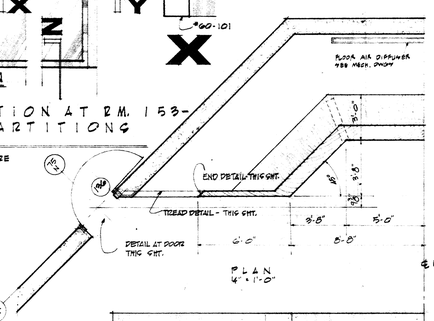


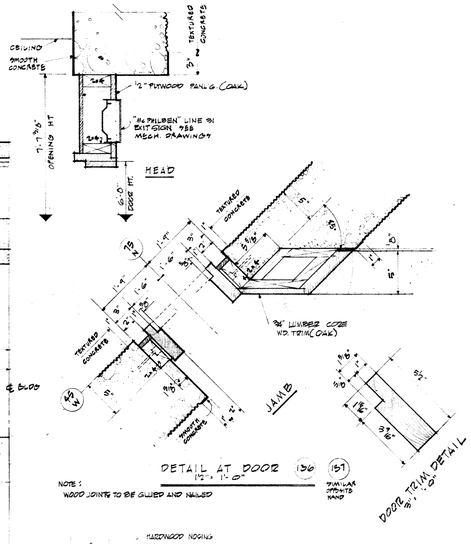


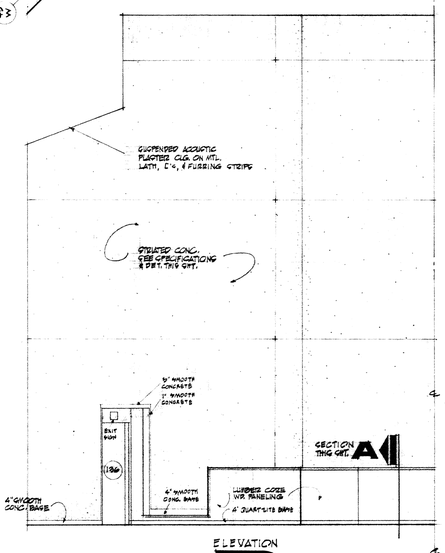
ELEVATION
1/2" = 1'-0"

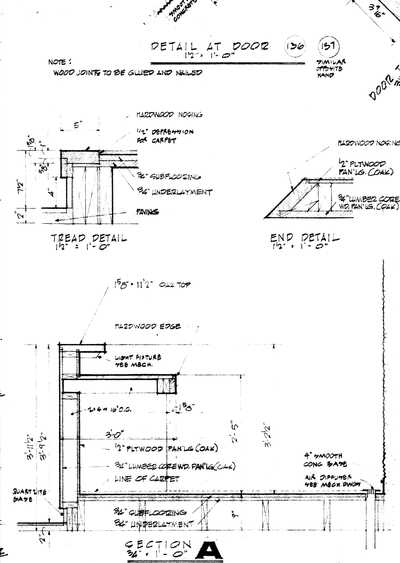
GLASS PARTITION AT RM. 153-
CORRIDOR PARTITIONS
SIMILAR

NOTE: NUMBERED SECTIONS ARE "GAUNTLET" WINDOW LINE FRAME "450" C (3" x 4½")

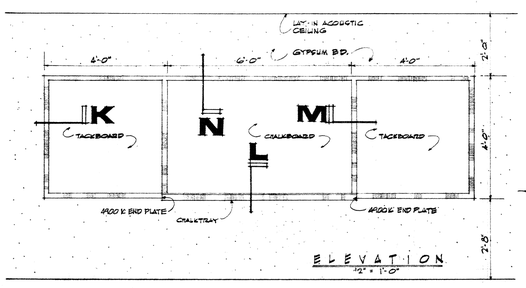


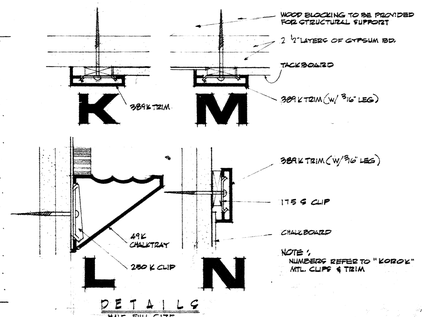




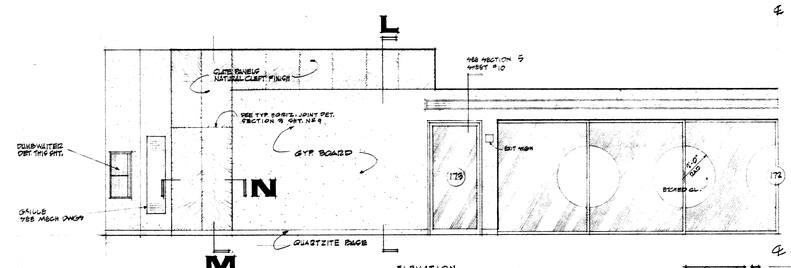


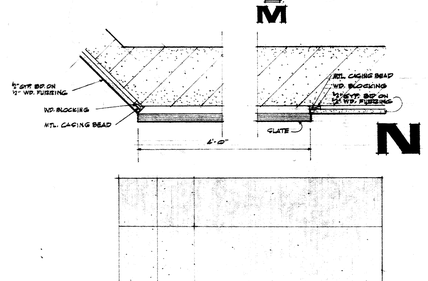
COUNCIL COURT PLATFORM
SCALE AS NOTED

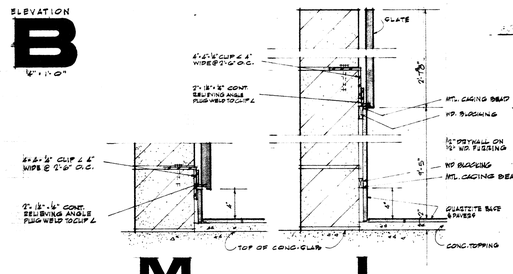




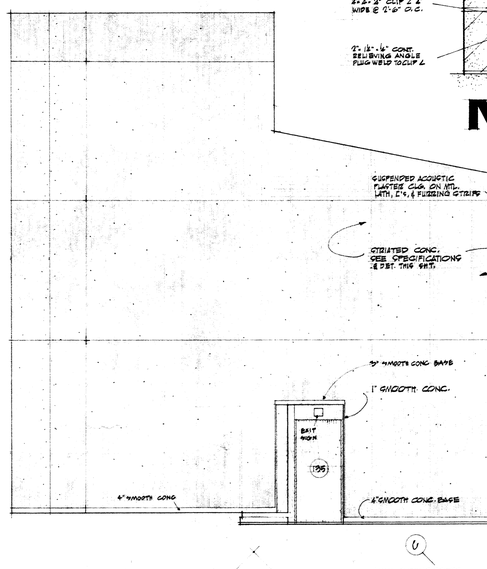
CHALKBOARD & TACKBOARD ROOM 120

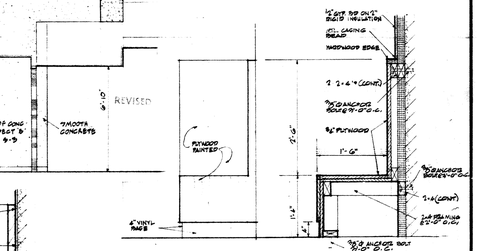


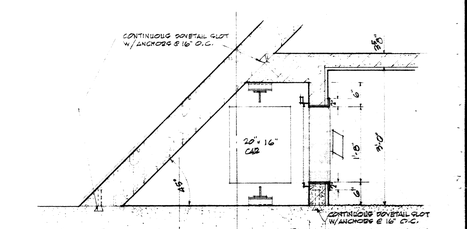


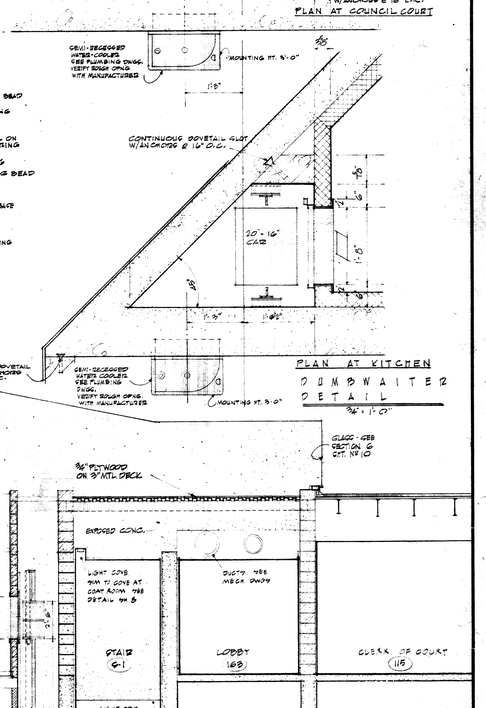


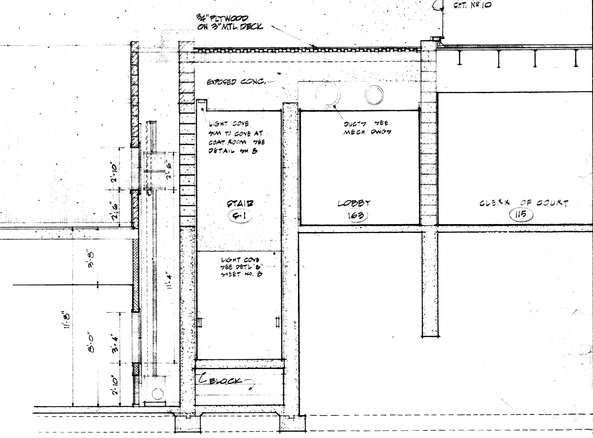
DETAILS
1/2" = 1'-0"

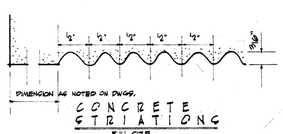


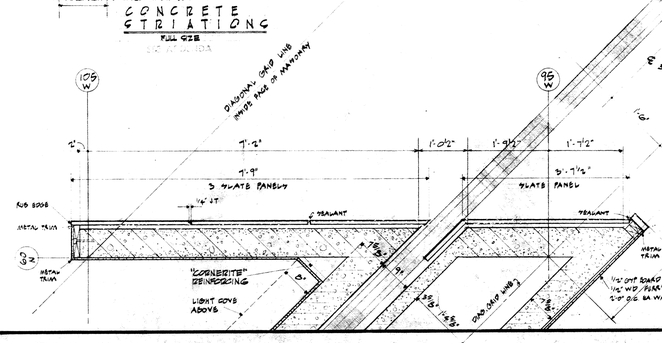


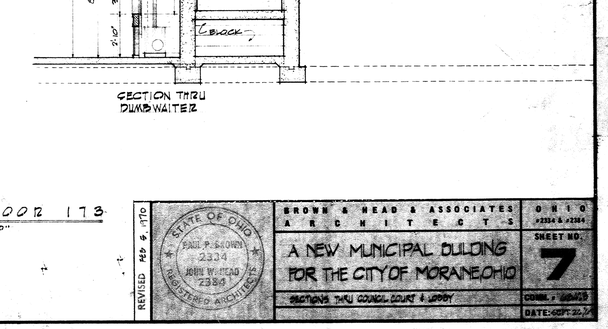












STATE OF OHIO
PAUL P. BROWN
2324
JOHN W. HEAD
2364
REGISTERED ARCHITECTS

BROWN & HEAD & ASSOCIATES
A R C H I T E C T S
OHIO #2324 & #2364

A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

SECTIONS THRU COUNCIL COURT & LOBBY

SHEET NO. 7

CONST. DRWGS.

DATE: SEPT. 20, 19

REVISED FEB. & 1970

SECTION
FF
1/4" = 1'-0"

SECTION
EE
1/4" = 1'-0"

STAIR
S-1

STAIR
S-2

STAIR DETAILS

SECTION THRU COAT ROOM 60

DOOR DETAIL

PLAN - PISTOL RANGE
1/4" = 1'-0"

DETAIL A
1/4" = 1'-0"

DETAIL B
1/4" = 1'-0"

COAT ROOM 160 SIMILAR
GROUND FLOOR PLAN
1/4" = 1'-0"

BASEMENT FLOOR PLAN
1/4" = 1'-0"

HANDRAIL DETAIL
3" = 1'-0"

SECTION
1/4" = 1'-0"

GROUND FLOOR PLAN
1/4" = 1'-0"

BASEMENT FLOOR PLAN
1/4" = 1'-0"

SECTION
1/4" = 1'-0"

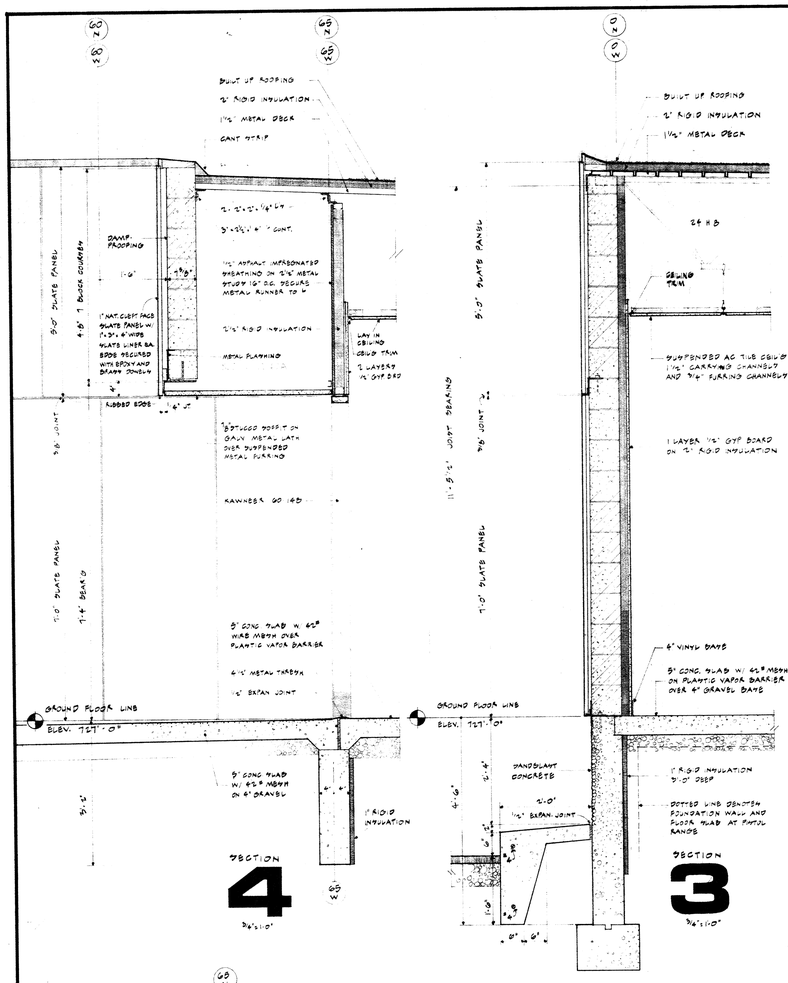
REVISED 4-5-74

BROWN & HEAD & ASSOCIATES
ARCHITECTS
OHIO

A NEW MUNICIPAL BUILDING
FOR THE CITY OF MORAINE, OHIO

SECTIONS & STAIR DETAILS

SHEET NO. 8



BROWN & HEAD & ASSOCIATES
ARCHITECTS
PAUL P. BROWN 2334
JOHN W. HEAD 2384
REGISTERED ARCHITECTS
STATE OF OHIO

A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

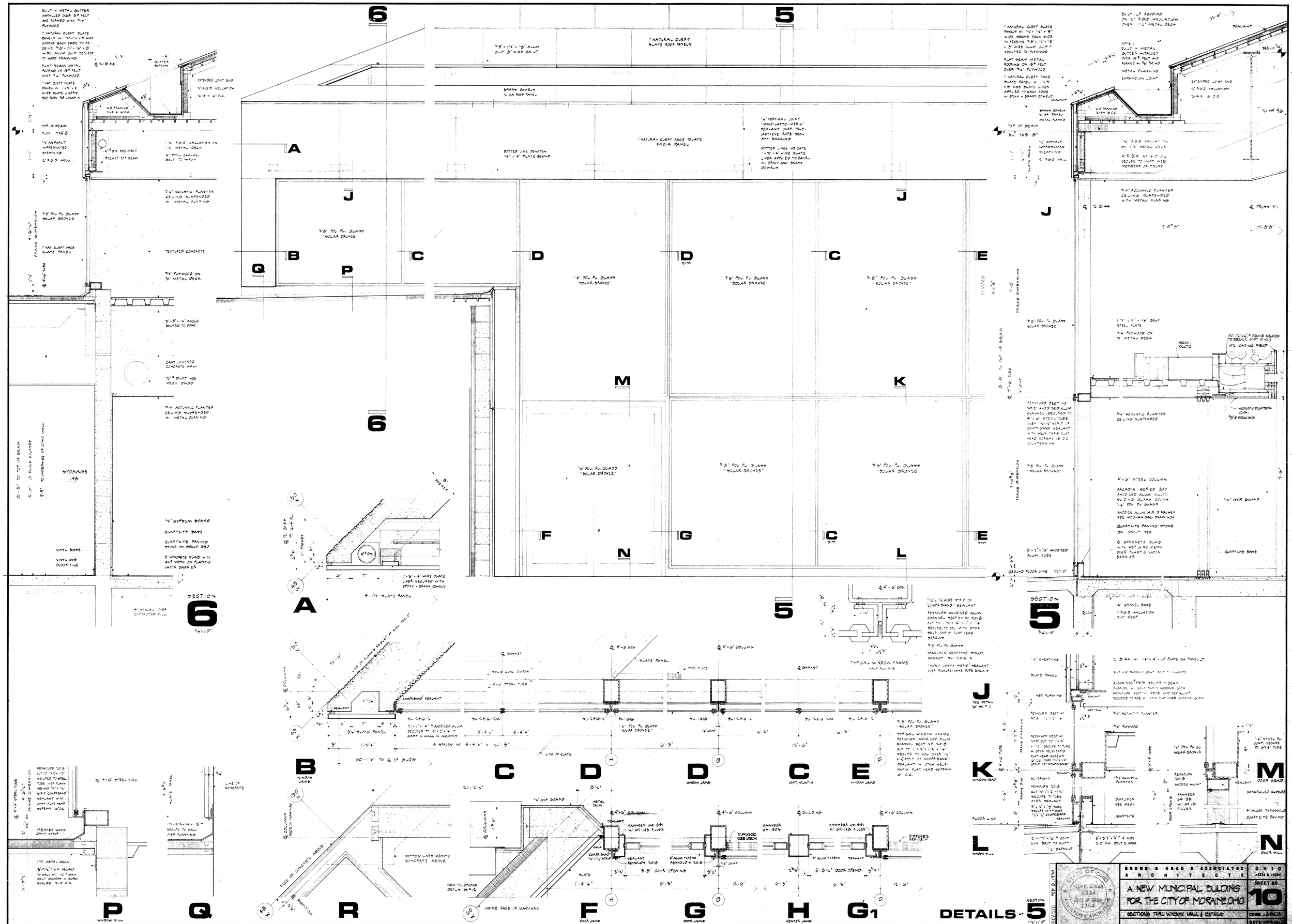
WALL SECTIONS

OHIO #2334 & #2384

SHEET NO. 9

CONTR. # 6247-70

DATE: OCT. 22, 71


6
5
A
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C
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J
K
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M
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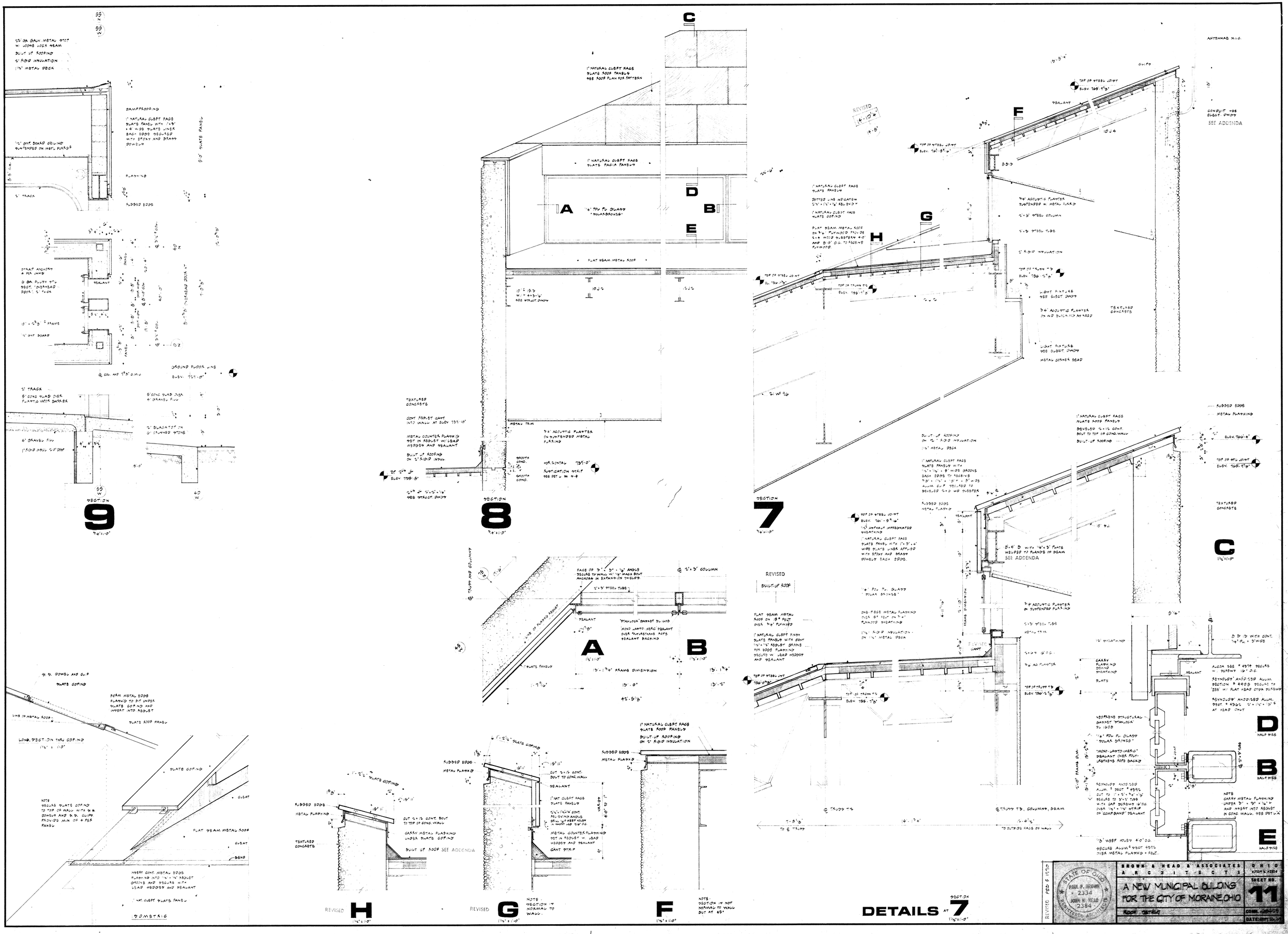
Q
R
BUILT-IN METAL GUTTER INSTALLED OVER 5/8" RBT AND FORMED WITH 3/4" PLYWOOD
1" NATURAL GLOST SLATE PANELS W/ 1 1/2" x 1 1/2" x 8" WIDE GROOVE EACH SIDE TO RECEIVE 3/16" x 1 1/2" x 8" WIDE ALUM CLIP FASTENED TO WOOD FRAMING
FLAT SEAM METAL ROOFING ON 5/8" RBT OVER 3/4" PLYWOOD
1" NAT GLOST SLATE PANEL W. 1 1/2" x 4" WIDE SLATE LINER APPLIED TO EACH SIDE W. EPOXY + DRAWN DOWELS
TOP OF BEAM EL. 745.8'
1/2" ASPHALT IMPREGNATED SHEATHING
2" RIGID INSULATION
6" STEEL CHANNEL OUT TO WALL
3/4" PLYWOOD ON 3" METAL DECK
TEXTURED CONCRETE
3" x 3" x 1/4" ANGLE BOLTED TO CONC
CANT LEVERED CONCRETE WALL
12" x 8" DUCT FOR MECH. UNDER
3/4" ACOUSTIC PLASTER CEILING SUSPENDED W. METAL FURRING
VINYL BASE
VINYL ASB FLOOR TILE
STORAGE 149
1/2" GYPSUM BOARD
QUARTZITE SILLS
QUARTZITE PAVING STONS ON GROUT BED
5" CONCRETE SLAB W/ 6x6 WWM ON PLASTIC VAPOR BARRIER
4" SMALL UNIT CONTACTED FLR
SECTION 6
3/4"=1'-0"
3/16" POL PL GLASS "SOLAR BRONZE"
1" NATURAL GLOST SLATE ROOF PANELS
3/8" x 1 1/2" x 1/8" ALUM CLIP 8" WIDE SA JT
DRAWN DOWELS 1/2 SA ROOF PANELS
DOTTED LINE DENOTES 1/4" x 8" PLATE BEYOND
1" NATURAL GLOST SLATE FACIA PANELS
1/8" VERTICAL JOINT "MONOLASTO MB-810" SEALANT OVER POLY-LASTHENE ROPE SEALANT BACKING
DOTTED LINES INDICATE 1" x 8" x 6" WIDE SLATE LINER APPLIED TO PANELS W/ EPOXY AND DRAWN DOWELS
1/4" POL PL GLASS "SOLAR BRONZE"
3/16" POL PL GLASS "SOLAR BRONZE"
3/8" POL PL GLASS "SOLAR BRONZE"
3/8" POL PL GLASS "SOLAR BRONZE"
3/8" POL PL GLASS "SOLAR BRONZE"
3/8" POL PL GLASS "SOLAR BRONZE"
3/8" POL PL GLASS "SOLAR BRONZE"
3/8" POL PL GLASS "SOLAR BRONZE"
3/8" POL PL GLASS "SOLAR BRONZE"
REVISED 9-1-84
BUILT-UP ROOFING ON 2" RIGID INSULATION OVER 1 1/2" METAL DECK
SEALANT
NOTE: BUILT-IN METAL GUTTER INSTALLED OVER 5/8" RBT AND FORMED W. 3/4" PLYWD
METAL FLASHING
EXPANSION JOINT
EXTENDED JOINT END 2" RIGID INSULATION 12x4 @ 24" O.C.
2" WF 96
BRAWN DOWELS TO SA PANELS METAL FLASHING
TOP OF BEAM EL. 745.8'
1/2" ASPHALT IMPREGNATED SHEATHING
2" RIGID INSULATION ON 1 1/2" METAL DECK
6" STEEL CHANNEL OUT TO WALL
3/4" ACOUSTIC PLASTER CEILING SUSPENDED WITH METAL FURRING
2 TRUSS T1
17'-5 1/8"
9'-5" FRAME DIMENSION
3/8" POL PL GLASS "SOLAR BRONZE"
1 1/2" x 9" x 1/4" BENT STEEL PLATE
3/4" PLYWOOD ON 3" METAL DECK
RIGID DUCTS
12" x 12" x 3/4" FRAME WELDED TO BEAM @ 24" O.C.)
HTG CASING HEAD
ACOUSTIC PLASTER CLG.
3/8" BRACING
3/4" ACOUSTIC PLASTER CEILING SUSPENDED
REMOVE 3" BENT NO. 3018 AND USED ALUM CHANNEL WELDED TO 6" x 12" W TEES. TUBE OVER 1/4" x 1" MTL. IS COVER BAND SEALANT WITH WOOD TAPE FLAT HEAD SCREWS 18" O.C. COUNTERSUNK
3/8" POL PL GLASS "SOLAR BRONZE"
1/4" GYP. BOARD
QUARTZITE SILLS
4" x 6" STEEL COLUMN
ARCADIA 9X8X20 DOOR ANODISED ALUM MOUNTING GUARD DOOR 1/4" POL PL GLASS
ANODISED ALUM AIR DIFFUSER 9X8 MECHANICAL DRAWINGS
QUARTZITE PAVING STONS ON GROUT BED
5" CONCRETE SLAB W/ 6x6 WWM ON PLASTIC VAPOR BARRIER
5'-6" x 7/8" ANODISED ALUM. TUBE
GROUND FLOOR LINE 727'-0"
6" GRAVEL BASE 1" RIGID INSULATION 2'-0" DEEP
SECTION 5
3/4"=1'-0"
1/2" GYPSUM BOARD
QUARTZITE SILLS
QUARTZITE PAVING STONS ON GROUT BED
5" CONCRETE SLAB W/ 6x6 WWM ON PLASTIC VAPOR BARRIER
4" SMALL UNIT CONTACTED FLR
SECTION 6
3/4"=1'-0"
3/16" POL PL GLASS "SOLAR BRONZE"
1" NATURAL GLOST SLATE PANELS W. 1 1/2" x 4" WIDE SLATE LINER APPLIED TO EACH SIDE W. EPOXY + DRAWN DOWELS
BRAWN DOWELS TO SA PANELS METAL FLASHING
TOP OF BEAM EL. 745.8'
1/2" ASPHALT IMPREGNATED SHEATHING
2" RIGID INSULATION ON 1 1/2" METAL DECK
6" STEEL CHANNEL OUT TO WALL
3/4" ACOUSTIC PLASTER CEILING SUSPENDED W. METAL FURRING
3/16" POL PL GLASS "SOLAR BRONZE"
1" NAT. GLOST FACE SLATE PANELS
TEXTURED CONCRETE
3/4" PLYWOOD ON 3" METAL DECK
3" x 3" x 1/4" ANGLE BOLTED TO CONC
CANT LEVERED CONCRETE WALL
12" x 8" DUCT FOR MECH. UNDER
3/4" ACOUSTIC PLASTER CEILING SUSPENDED W. METAL FURRING
VINYL BASE
VINYL ASB FLOOR TILE
STORAGE 149
1/2" GYPSUM BOARD
QUARTZITE SILLS
QUARTZITE PAVING STONS ON GROUT BED
5" CONCRETE SLAB W/ 6x6 WWM ON PLASTIC VAPOR BARRIER
4" SMALL UNIT CONTACTED FLR
SECTION 6
3/4"=1'-0"
A
4 1/16" SLATE PANEL
1'-3" x 4" WIDE SLATE LINER REQUIRED WITH EPOXY + DRAWN DOWELS
B
WINDOW JAMB
60'-11 5/8" TO ℄ OF BLDG
1 5/8" SLATE PANEL
3'-1 1/2"
6 SPACES AT 5'-4" = 32'-0"
C
D
D
WINDOW JAMB
C
VERT. MUNTIN
E
WINDOW JAMB
℄ 4'-6" COL.
SLATE PANEL
℄ BASKET
SOLID CONC BLOCK
4"x6" STEEL TEE
COMPR. BAND SEALANT
3/16" POL PL GLASS "SOLAR BRONZE"
TYP. CAP WINDOW FRAME
SEALANT JOINT
P
WINDOW WALL
REYNOLDS 502 CUT TO 1 1/2" x 1 1/2" REQUIRED TO WELD TUBE OVER SLATE
NO. 140 1" x 1" x 1/8" STEP COMPRESSED SEALANT WITH 6X8X FLAT HEAD SCREWS @ 12" O.C.
TREATED WOOD CANT STAIR
1 1/2" METAL DECK
Q
SLATE PANEL
1 1/2" x 1 1/2" x 3/16" ANGLE TO WALL OVER FLASHING
LINE OF CONCRETE
R
DOTTED LINES DENOTE CONCRETE ABOVE
FACE OF CONCRETE ABOVE
INSIDE FACE OF MASONRY
F
DOOR JAMB
3/16" GYP BOARD
METAL TRIM
SEALANT
KAWNEER 6A-591 W/ 9A-140 FILLER
COMPR. BAND 1/2" x 1 1/2" STRIP
SEALANT REYNOLDS 502
5'-8" DOOR OPENING
SLATE
3/8" SUSPENDS DBT @ 24" O.C.
G
DOOR JAMB
℄ 4'-6" COLUMN
DIFFUSER SEE MECH
KAWNEER 6A-529
1/4" JOINT
H
CENTER JAMB
KAWNEER 9A-591 W/ 9A-140 FILLER
4" ALUM TAKEDA
G1
J
SEE DETAIL 12"-3" & 11
SLATE PANEL
WET FLASHING
SEALANT
REYNOLDS 502 CUT TO 1 1/2" x 1 1/2" REQUIRED TO TUBE OVER SEALANT
3/4" ACOUSTIC PLASTER
REYNOLDS 502 CUT TO 1 1/2" x 1 1/2" REQUIRED TO TUBE OVER SEALANT
3/4" PLYWOOD
1/4" POL PL GLASS "SOLAR BRONZE"
K
WINDOW HEAD
REYNOLDS 502 CUT TO 1 1/2" x 1 1/2" REQUIRED TO TUBE OVER SEALANT
3/4" ACOUSTIC PLASTER
DIFFUSER SEE MECH
QUARTZITE
5'-5 1/2" x 1 1/2" CONT. U.V. BELT TO SUPP.
1/2" EXPANSION
L
WINDOW WALL
1/4" STEEL PL CONT. WELDED TO 6"x4" TUBE
M
DOOR HEAD
CONCEALED CLOSURE
4" ALUM. THRESHOLD QUARTZITE PAVING
N
DOOR WALL
SECTION 5
3/4"=1'-0"
DETAILS AT
REVISED 9-5-84
STATE OF OHIO
JOHN P. BROWN 2334
JOHN W. HEAD JR. 2384
REGISTERED ARCHITECT
BROWN & HEAD & ASSOCIATES
ARCHITECTS
OHIO #2334 & #2384
A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO
SECTIONS THRU WINDOW WALL & DETAIL
SHEET NO. 10
DRAWING NO. 8425
DATE: SEPT. 1984



BROWN & HEAD & ASSOCIATES
ARCHITECTS

OHIO 47334 & 42324

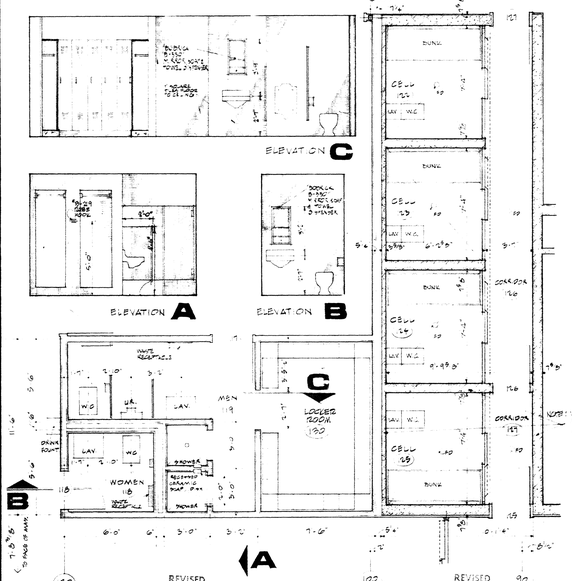
A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

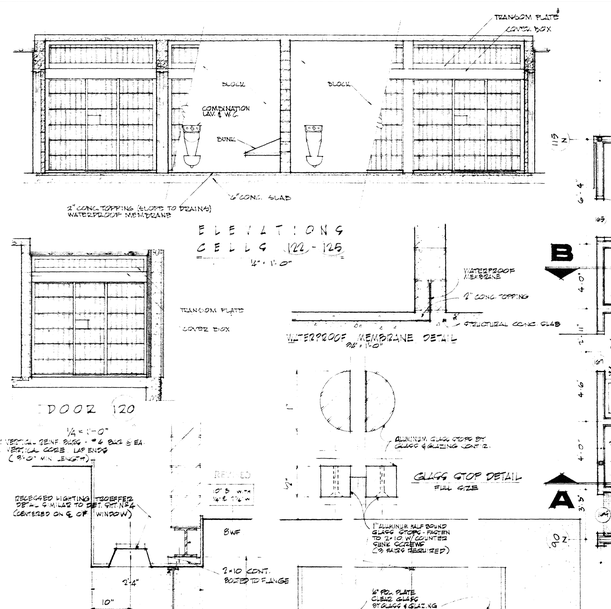
SHEET NO. 11

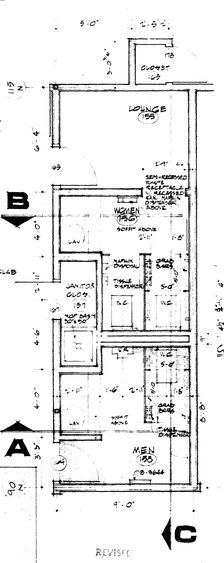
ROOF DETAILS

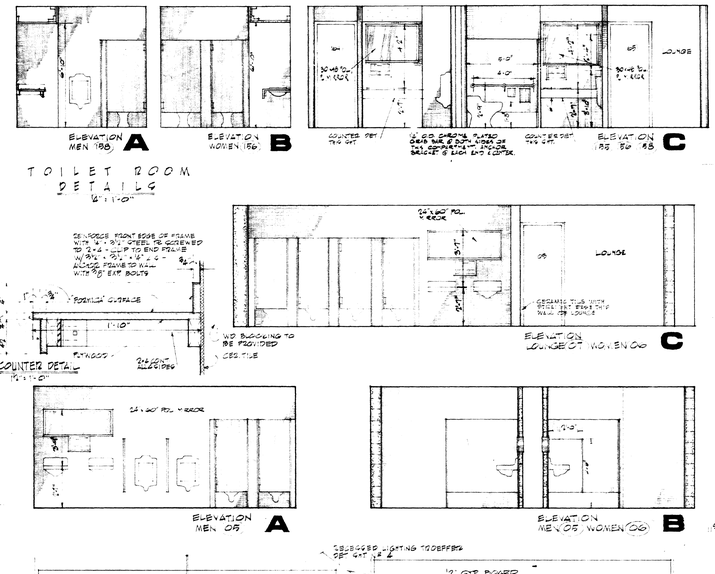
STATE OF OHIO
PAUL P. BROWN
2334
JOHN R. HEAD
2384
REGISTERED ARCHITECTS

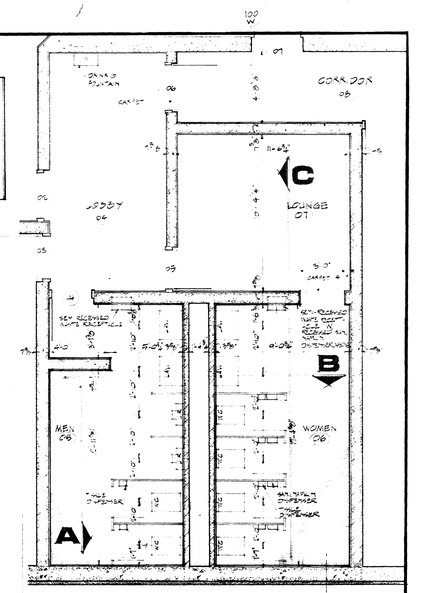
REVISED FEB 5 1970

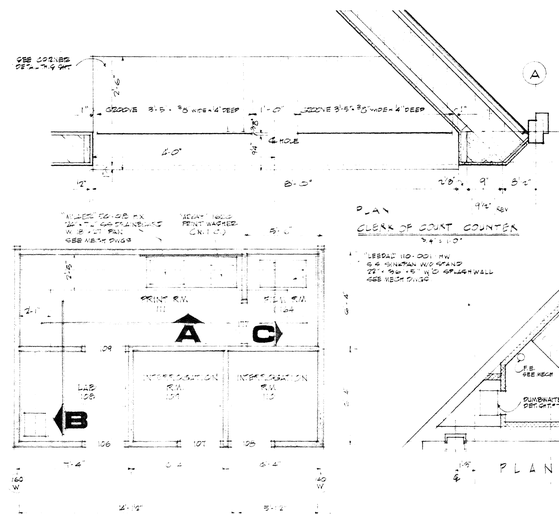

ELEVATION C
ELEVATION A
ELEVATION B
LOCKER ROOM 120
MEN 118
WOMEN 119
LAV
W.C.
URN.
DRINK FOUNT
REVISED
PLAN & ELEVATIONS
ROOMS 118 119 120
1/4" = 1'-0"


TRANSOM PLATE
CONTROL BOX
BLOCK
COMBINATION SINK & W.C.
BUBBLER
3/4" CONC. TOPPING (SLOPE TO DRAINS) WATERPROOF MEMBRANE
1/2" CONC. SLAB
ELEVATION
CELLS 122 - 125
1/4" = 1'-0"
WATERPROOF MEMBRANE DETAIL
3/4" = 1'-0"
DOOR 120
1/4" = 1'-0"
NOTE: VERT. ALL CENT. BLDG. - 16 BLKS. 8 EA
(SEE LA. CODES - UP 81/8")
(81'-0" VERT. ELEVATION)
OBSCURED LIGHTING TROFFERS OFF - SW. LINE TO DET. SYSTEM (CENTERED ON E. OF WINDOW)
8 WF
2-#10 CONT. BOLTED TO FLANGE
10"
POL. EDGE
TRANSOM PLATE
SOUND GLASS FIXED, FROSTED TO 5'-10" W/ SQUITER CUT SCREENING (5'-9 1/2" ABOVE FLOOR)
1/2" POL'D PL. GLASS
RE-USE TRIM FRONT & BACK
1/4" x 5/8 BOLTS 24" O.C.
PAINTED PLATE
3/8" PLYWOOD
SEE DETAIL OF TRIMS TO FINISH OF STAGE
4'-11 1/2" = 4'-6" STAGE
GUTTER EDGE
GLASS DOOR DETAIL
FULL SIZE
ELEVATOR GLASS DOORS BY OWNER & INSTALLED BY G.C.
5 RUBBER FLAT BOUND GLASS - FROSTED TO 5'-10" W/ SQUITER CUT SCREENING (5'-9 1/2" ABOVE FLOOR)
4'-0" HOLE POL. EDGE
6" RADIUS POL. EDGES
1/4" GYP BOARD
SECTION
ELEVATION


LOUNGE 155
CLOSET 159
WOMEN 156
JANITOR CLOS. 157
MEN 158
SEMI-RECESSED PAPER TOWEL DISPENSER & RECEPTACLE
SEMI-RECESSED SOAP DISPENSER
SOAP DISH
TOILET PAPER DISPENSER
SHELF
W.C.
LAV.
URN.
REVISED
PLAN
ROOMS 155 156 158
1/4" = 1'-0"
CORNER DETAIL


ELEVATION MEN 156 A
ELEVATION WOMEN 156 B
ELEVATION LOUNGE 155 C
TOILET ROOM DETAILS
3/4" = 1'-0"
COUNTER DET'L
1/4" = 1'-0"
PLYWOOD
PLASTIC LAMINATE
ELEVATION MEN 158 A
ELEVATION LOUNGE 155 & WOMEN 156 C
ELEVATION MEN 158 WOMEN 156 B


CORRIDOR 06
LOBBY 04
LOUNGE 07
CARPET
SEMI-RECESSED TOWEL DISPENSER & RECEPTACLE
SEMI-RECESSED SOAP DISPENSER
MEN 08
WOMEN 09
TOILET PARTITIONS
SANITARY NAPKIN DISPOSER
PLAN
ROOMS 05 06 07
1/4" = 1'-0"
REVISED
RECESSED LIGHTING TROFFERS OFF SW'T NO 4
1/2" GYP BOARD
9 FIXTURES @ 4'-0" = 12'-0"
12'-0" SLATE TOP
SUPPORTED ON TWO BRACES MOUNTED ON CHANNEL
FINANCE
FRONT
BACK
POLICE
SECTION A
SECTION B


SEE CODE DETAIL 4 SHT
GROOVE 8'-5 3/8" WIDE-4" DEEP
GROOVE 8'-5 3/8" WIDE-4" DEEP
4" HOLE
PLAN
CLERK OF COURT COUNTER
3/4" = 1'-0"
LESSARD 110-001 MW
6'-6" SWIVEL W/O ARMS
72" - 96" - 96" W/ ARMS
SEE ABOVE SHEET
PRINT W.
A
C
B
LAB 105
INTERVIEW 104
INTERVIEW 103
106
107
108
109
110
111
112
113
114
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116
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120
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123
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142
143
144
145

CIRCUIT SCHEDULE

16 NUMBER IN REMARKS COLUMN REPRESENTS MOTOR REFERENCE NUMBERS
+ DENOTES SPARE CIRCUIT BREAKERS
L LIGHTS
R RECEPTACLES

PANEL	A				B				C				D				E			F				NL				EM			
TYPE	NLAB.	FLUSH			NLAB.	FLUSH			NLAB.	FLUSH			NLAB.	FLUSH			NLAB.	SURFACE		NLAB.	SURFACE			NLAB.	SURFACE			NLAB.	SURFACE			PANEL TYPE
ROOM	121				121				159				159				10			10				10				10				ROOM
MAIN	200 AMP				200 AMP				200 AMP				200 AMP				200 AMP			200 AMP				100 AMP				100 AMP				MAIN
VOLTAGE	120/208V 3Ø 4W FN				120/208V 3Ø 4W FN				120/208V 3Ø 4W FN				120/208V 3Ø 4W FN				120/208V 3Ø 4W FN			120/208V 3Ø 4W FN				120/208V 3Ø 4W FN				120/208V 3Ø 4W FN				VOLTAGE
CKT	BKR	KW	REMARKS	CKT	BKR	KW	REMARKS	CKT	BKR	KW	REMARKS	CKT	BKR	KW	REMARKS	CKT	BKR	KW	REMARKS	CKT	BKR	KW	REMARKS	CKT	BKR	KW	REMARKS	CKT	BKR	KW	REMARKS	CKT
1	20-1	1	L	2	20-1	1.2	L	1	20-1	1.0	L	2	20-1	.9	L	1	20-1	.9	L	2	20-1	.7	L	1	20-1	.60	L	2	20-1	1.20	L	1
2	20-1	1.0	L	4	20-1	1.2	L	3	20-1	1.0	L	4	20-1	1.5	L	3	20-1	.4	L	4	20-1	.8	L	3	20-1	.60	L	4	20-1	.90	L	3
3	20-1	1.2	L	6	20-1	1.2	L	5	20-1	1.0	L	6	20-1	.8	L	5	20-1	.4	L	6	20-1	.3	R	5	20-1	.7	L	6	20-1	.5	L	5
4	20-1	1.4	L	8	20-1	.9	L	7	20-1	1.6	L	8	20-1	1.6	L	7	20-1	.10	L	8	20-1	.5	R	7	20-1	.9	L	8	20-1	.9	L	7
5	20-1	1.6	L	10	20-1	1.0	R	9	20-1	1.2	L	10	20-1	.8	L	9	20-1	.6	L	10	20-1	.7	R	9	20-1	.9	L	10	20-1	.9	L	9
6	20-1	1.2	L	12	20-1	.9	R	11	20-1	1.2	L&R	12	20-1	.9	L	11	20-1	.7	L	12	20-1	.5	R	11	20-1	.9	L	12	20-1	.9	L	11
7	20-1	1.4	L	14	20-1	.4	R	13	20-1	1.4	L	14	20-1	.6	R	13	20-1	.10	L	14	20-1	.9	L	13	20-1	.9	L	14	20-1	.9	L	13
8	20-1	1.6	L	16	20-1	.4	R	15	20-1	1.4	L	16	20-1	.6	R	15	40-3	5.7	S	16	20-1	.9	L	15	20-1	.5	L	16	20-1	.9	L	15
9	20-1	1.2	L	18	20-1	.4	R	17	20-1	1.6	L	18	20-1	.6	R	17	20-1	.6	R	18	20-1	.3	R	17	20-1	.5	L	18	20-1	.5	L	17
10	20-1	1.2	L	20	20-1	.4	R	19	20-1	1.0	L	20	20-1	.6	R	19	20-1	.6	R	20	20-1	.3	R	19	20-1	.5	L	20	20-1	.5	L	19
11	20-1	1.2	L	22	20-1	.3	R	21	20-1	1.1	L&R	22	20-1	.5	R	21	20-1	.6	R	22	20-1	.10	R	21	20-1	.9	L	22	20-1	.9	L	21
12	20-1	1.4	R	24	20-1	.3	L	23	20-1	.6	R	24	20-1	.6	R	23	20-1	.6	R	24	20-1	.10	R	23	20-1	.9	L	24	20-1	.9	L	23
13	20-1	5	R	26	20-1	.3	R	25	20-1	.6	L	26	20-1	.6	R	25	20-1	.6	R	26	20-1	.10	R	25	20-1	.9	L	26	20-1	.9	L	25
14	20-1	3	R	28	20-1	.3	L&R	27	20-1	.4	R	28	20-1	.6	R	27	20-1	.6	R	28	20-1	.10	R	27	20-1	.9	L	28	20-1	.9	L	27
15	20-1	5	R	30	20-1	.3	R	29	20-1	.3	R	30	20-1	.6	R	29	20-1	.6	R	30	20-1	TC PANEL		29	20-1	.9	L	30	20-1	.9	L	29
16	20-1	5	R	32	20-1	.4	L	31	20-1	.3	R	32	20-1	.6	L	31	20-1	.6	R	32	20-1	5	L	31	20-1	.5	L	32	20-1	.5	L	31
17	20-1	5	R	34	20-1	.6	L	33	20-1	.3	R	34	20-1	.4	L	33	20-1	.6	R	34	20-1	6	L	33	20-1	5	L	34	20-1	.5	L	33
18	20-1	4	R	36	20-1	.4	L	35	20-1	.3	R	36	20-3	1.9	2P	35	20-1	.6	R	36	20-1	5	L	35	20-1	5	L	36	20-1	.5	L	35
19	20-2	2.0	R	38	20-1	.6	L	37	20-1	.4	R	38	22-1	2.2	2+2L	37	20-1	.6	R	38	20-1	×		37	20-1	5	L	38	20-1	.5	L	37
20	20-1	4	R	40	20-1	.9	R	39	20-1	.4	R	40	22-1	.6	1.0	MASTER	20-1	1.0	R	40	20-1	×		39	20-1	5	L	40	20-1	.5	L	39
21	20-1	9	R	42	20-1	1.1	L	41	20-1	5	R	42	22-1	4	1.5	GARBAGE DISPOSAL	20-1	1.0	R	42	20-1	×		41	20-1	5	L	42	20-1	.5	L	41
22	20-1	3	R	44	20-1	.6	1.4+1.5	43	20-1	5	R	44	22-1	1.3	1.8	ICE CREAM CASE	20-1	.8	R	44	20-1	×		43	20-1	1.5	L	44	20-1	×		43
23	20-1	4	R	46	20-1	.6	1.6+1.7	45	20-1	3	R	46	22-1	.6	2.1-EC BASEBOARD	WARMER IN	20-1	.6	R	46	20-1	×		45	22-1	×		46	20-1	×		45
24	20-1	4	R	48	20-1	4	1.7	47	20-1	×		48	22-1	×		47	20-1	.6	R	48	20-1	×		47	20-1	×		48	20-1	×		47
25	20-1	4	R	50	20-1	3	1.3	49	20-1	×		50	22-1	×		49	50-2	12.0	RANGE	50	20-1	×		49	20-1	×		50	20-1	×		49
26	20-1	1.1	L	52	20-1	4	1.2	51	20-1	×		52	22-1	×		51	70-3	12.8	PANEL	52	20-1	.3	L&R	51	20-1	×		52	20-1	×		51
27	20-1	×		54	20-1	6	1.1+1.1	53	20-1	×		54	22-1	×		53	20-1	.8	1.8	53	20-3	3.4	5	53	20-1	×		54	20-1	×		53
28	20-1	.9	L	56	20-1	1.2	2.1-2.1	55	20-1	×		56	22-1	×		55	20-1	.8	1.9	55	20-3	3.4	5	55	20-1	×		56	20-1	×		55
29	20-1	1.4	L	58	20-1	.7	2.3	57	20-1	×		58	22-1	×		57	20-1	.2	TIME SWITCH	57	30-3	1.1	6	57	20-1	×		58	20-1	×		57
30	20-1	1.1	L	60	20-1	×		59	20-1	×		60	22-1	×		59	20-1	.7	2.4	59	20-1	×		59	20-1	×		60	20-1	×		59
31	20-1	×		62	20-1	×		61	20-1	×		62	22-1	×		61	20-3	1.1	2.5	61	20-1	×		61	20-1	×		62	20-1	×		61
32	20-1	×		64	20-1	×		63	20-1	×		64	22-1	×		63	20-1	×		63	20-1	×		63	———			64	———			63
33	20-1	×		66	20-1	×		65	20-1	×		66	22-1	×		65	20-1	×		65	———			65	———			66	———			65
34	20-1	×		68	20-1	×		67	20-1	×		68	22-1	×		67	20-1	×		67	———			67	———			68	———			67
35	20-1	×		70	20-1	×		69	20-1	×		70	22-1	×		69	20-1	×		69	———			69	———			70	———			69
36	20-1	×		72	20-1	×		71	20-1	×		72	22-1	×		71	20-1	×		71	———			71	———			72	———			71
37	20-1	×		74	20-1	×		73	20-1	×		74	22-1	×		73	20-1	×		73	———			73	———			74	———			73
38	20-1	×		76	20-1	×		75	20-1	×		76	22-1	×		75	20-1	×		75	———			75	———			76	———			75
39	20-1	×		78	20-1	×		77	20-1	×		78	22-1	×		77	20-1	×		77	———			77	———			78	———			77
40	20-1	×		80	20-1	×		79	20-1	×		80	22-1	×		79	20-1	×		79	———			79	———			80	———			79
41	20-1	×		82	20-1	×		81	20-1	×		82	22-1	×		81	20-1	×		81	———			81	———			82	———			81
42	———			84	———			83	———			84	22-1	×		83	———			83	———			83	———			84	———			83

PANEL HD DIMMER

CR.	KW	CONTROL	REMARKS
1	1.5	A	
2	1.5	A	
3	1.2	A	
4	1.5	A	
5	1.2	A	
6	1.2	A	
7	1.2	B	
8	.9	B	



FIXTURE SCHEDULE

FIXTURE SYMBOL	REFER NO	CATALOG NO	LAMP DATA WATTS	LAMP DATA QUAN	LAMP DATA NAT COLOUR	APPROXIMATE SIZE	REMARKS	SURFACE	RECESSED	WALL	CEILING	CEILING PENDANT	WALL BRACKET	CEILING PENDANT	FLUORESCENT	INCANDESCENT	SEE NOTE
A	1	SMITHCRAFT ANAT 16 AS 4-45-PP	40	4	F40W W	24"x48"x6"			●		●						
B	2	WAKEFIELD FTR-124-55	40	2	F40 W W	12"x48"x8"		●			●						
C	3	KEYSTONE C24G	40	1	F 40 W W	24"x11"x4"					●						
D	4	ART METAL 6440 AA	160	1	CF 42 W	8"x8"x14"					●			●			
E	1	SMITHCRAFT ANAT 16 AS 2-40-PP	40	2	F 40 W W	12"x48"x6"		●			●						
F	5	MILLER KT-2120-L4	40	2	F 40 W W	9"x37"x14"	LINEAR ENCLOSURE	●			●		●				
G		WAKEFIELD FTR-2145-B-HH	40	2	F 40 W W	12"x48"x7"	CONTINUOUS LENS ASSEMBLY				●		●				
H	6	SMITHCRAFT ANAT 16 AS 2-40-PP	40	2	F 40 W W	12"x48"x6"		●			●						
J	7	FALCO G132-24-GY-W	20	2	F 20 T12RS	7"x21"x5"		●			●						
K	7	FALCO G138-24-GY-W	30	2	F 30 T12RS	7"x 21"x5"		●			●						
L	8	KEYSTONE 48CH-HR	40	1	F 40 W W	2 3/4" x 4" x 5"	SEE NOTE E-1B	●			●						
M	9	MCPHILBEN 6622VT	150	1	I-SCA 99	11"x 24"x 10"		●			●						
N	10	ALKCO 32-H1	40	2	F 40 W W	48"x6"x2"		●			●						
P	11	MARCO 283-TBS	65	1	I-SCA 99	11" DIA x 5"			●		●						
Q	12	OMEGA D46PV	300	1	300PAR56/MFL	8 3/4" DIA x 11"	WITH BEAM PARALLEL TO WALL		●		●						
R	3	MCPHILBEN 93-15A	100	1	100A/99	5 7/8" x 10 1/2" x 8 1/8"	WITH REFLECTOR FOR WALL WASH				●						
S	1	SMITHCRAFT ANAT 16 AS 4-45-PP	40	4	F 40 W W	48"x 48"x 8"		●			●						
T	14	LIGHTOLIER JD247	40	1	F 40 W W	3" x 55" x 24"	PROVIDE SWITCH ON FIXTURE	●			●						
V	15	MCPHILBEN 15-B5256	175	1	H400 x 3H-22	19" x 16" x 16"		●				●					
W	16	MCPHILBEN 27M 24 PJ	100	1	H400 x 3B-4	11 3/4" DIA x 8 3/4"		●			●						
X	17	SHALDA-103	150	1	150R/SP	5 7/8" x 6 1/2" x 5 7/8"	MEDIUM BASE LAMP	●			●						
Y	18	OMEGA G346DV	150	1	150R/FL	6 7/8" DIA x 7"		●			●						
Z	19	PRESCOLITE 1124-R20	150	1	150 PAR 38/SP	6" DIA x 10 3/8"	LOW TEMPERATURE BALLAST		●		●						
AA		PRESCOLITE 5948-Z	195	2	F57T8/CW	4 3/4" SQ x 39"		●			●						
BB		DAYBRITE 7124Q/9250-B	110	2	F42T8/WW/HO	10" x 96" x 4"		●									
CC		DAYBRITE 7124Q/9226-B	110	2	F96T8/WW/HO	10" x 96" x 4"		●									
DD	3	DAYBRITE 7924Q-B	110	2	F96T8/WW/HO	7" x 96" x 4"		●									
EE		STENGO V9400-E	150	1	150 PAR 38/SP	6 7/8" DIA x 9 1/2"	SEE DETAILS E-5										
FF	16	OMEGA D450	300	1	300PAR56/MFL	11 1/16" DIA x 11 1/8"			●		●						
GG	12	PRESCOLITE 77-B24	50	1	50 R 20	4 7/8 DIA x 7 3/4"			●		●						
HH		P65 # 37	100	1	100A			●			●						
JJ		MC PHILBEN 80V16 DAURA ROOM NUSE-2828	40	2	40T10		WITH RECTIFIER										
EX1		MC PHILBEN 3C-502	15	2	15T7C	5 3/4" x 6 3/4" x 2 1/2"		●			●						
EX2		MC PHILBEN 31-452	15	2	15T7C	5 3/4" SQ x 1 7/8"		●			●						
EX3		MC PHILBEN 31-462-R	15	2	15T7C	5 3/4" SQ x 1 7/8"		●			●						

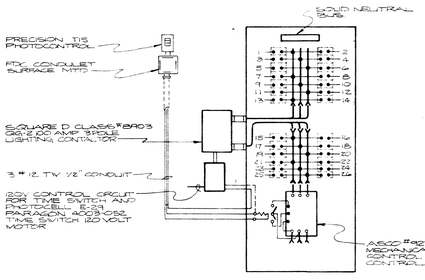
MOTOR & EQUIPMENT SCHEDULE

REFERENCE	EQUIPMENT SERVED	REMARKS	FEEDER & CONDUIT SIZE	HP KW	VOLTS PHASE WIRES	DISCONNECT SWITCH NON FUSED	DISCONNECT SW NON FUSED W/ MANUAL STARTER	ELECTRIC DAMPER CONTROL	STARTER TYPE FRACTIONAL HP MAN	STARTER TYPE MAGNETIC
1	AIR COOLED CHILLER		6#3 SIGNAL WIRE	85 KW						
2	AIR HANDLING UNIT		3#4 THW	11.2	●		●			●
3	RETURN AIR FAN		3#12 THW	4.9	●		●			●
4	CHILLED WATER PUMP		3#12 THW	3.4	●		●			●
5	HOT WATER PUMP		3#12 THW	3.4	●		●			●
6	TEMPERATURE CONTROL COMPRESSOR	2 REQ.	3#10 THW	3.6	●	●				
7	AFTERCOOLER		2#12 THW	3.4			●			●
8										
9	BOILER BURNER & ID FAN		2#12 THW	3.6	●					
10	P.A.U. (ROOF HOT WATER MAKE)		3#12 THW	5.7	●					
11	UNIT HEATER		2#12 THW	3.4	●		●			
12	CONSERJET HEATER		2#12 THW	3.4	●		●			
13	ELECTRIC UNIT HEATER		2#12 THW	3.4	●		●			
14	B.P.T.		2#12 THW	3.4	●		●	●	●	
15	EF 2		2#12 THW	3.4	●		●	●	●	
16	EF 3		2#12 THW	3.4	●		●	●	●	
17	EF 4		2#12 THW	3.4	●		●	●	●	
18	SUMP PUMP		2#12 THW	3.4	●		●			
19	BOOSTER PUMP		2#12 THW	3.4	●		●			
20	SUMP WATER		3#12 THW	3.4	●	●				●
21	OVERHEAD DOOR MOTOR		2#12 THW	3.4	●	●				●
22	PNEUMATIC CONTROL AIR		3#12 THW	3.4	●		●			●
23	EF 5	3 HP 460 V	3#12 THW	3.4	●					
24	EF 6	3 HP 460 V	3#12 THW	3.4	●					
25	WATER SOFTENER		3#12 THW	3.4	●	●				●
26										
27										

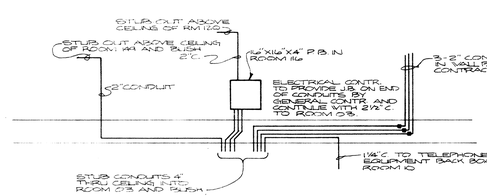
DISTRIBUTION PANEL-MD

TYPE CUTLER HENNE 200 AMP SERIES 225 BOLTED VOLTS 3 Ø 4 W FN.
FEEDER 2#500 MCM THW IN 3" CONDUITS

UNIT NO.	BREAKER TYPE	SERVING	KW	FEEDER SIZE
1	150 AMP FRAME 100 AMP TRIP	MAIN EMITTER BOOSTER PRESSURE		
2	600-3 KM	CHILLER	85.0	6#350 MCM 4"C
3	200-3 JKL	PANEL A	25.8	4#10 THW 2½"C
4	200-3 JKL	PANEL B	20.1	4#10 THW 2½"C
5	600-3 JKL	PANEL C	19.8	4#10 THW 2½"C
6	200-3 JKL	PANEL D	11.2	4#10 THW 2½"C
7	200-3 JKL	PANEL E	13.4	4#10 THW 2½"C
8	200-3 JKL	PANEL EX-NL	28.7	4#10 THW 2½"C
9	150-3 JKL	AIR HANDLING UNIT	25.0	4#10 THW 2" C
10	50-3 HF	PANEL HD	10.2	4#6 THW 1¼"C
11	100-3 HF	PANEL EM	1.9	4#6 THW 1¼"C
12	40-3 HF	CHILLED WATER PUMP	5.7	4#8 THW 3/4"C
13	40-3 HF	CHILLED WATER PUMP	5.7	4#8 THW 3/4"C
14	100-3 HF	SPARE		
15	100-3 HF	SPARE		
16				

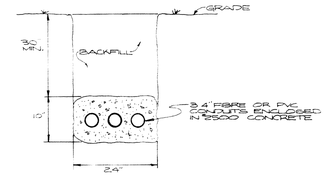


PANEL-NL
DETAIL E1-2
NO SCALE

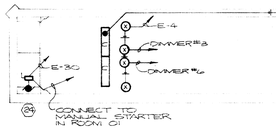


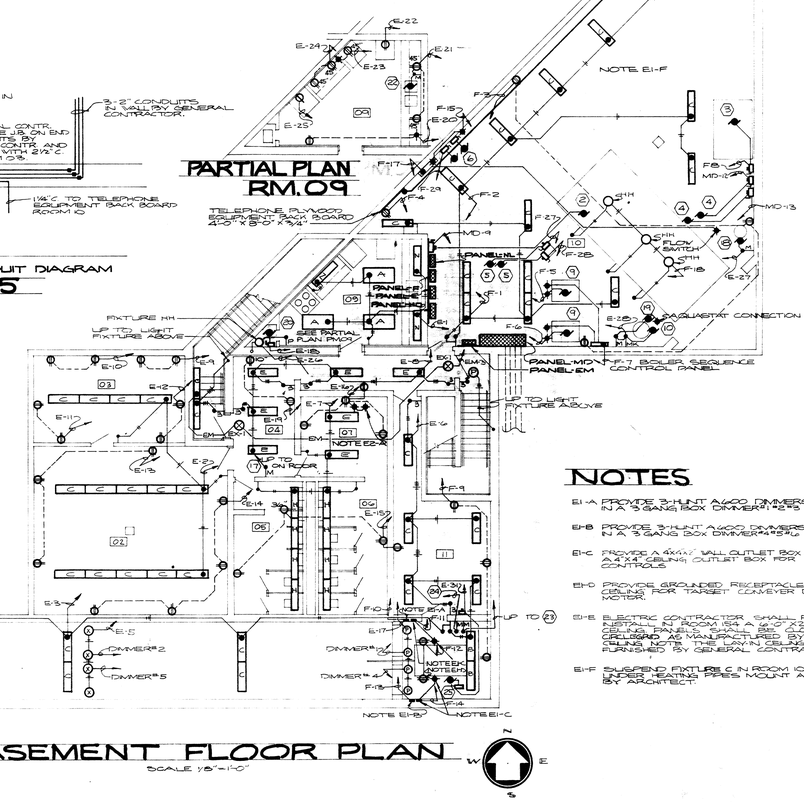
COMMUNICATIONS SYSTEM CONDUIT DIAGRAM
DETAIL E1-5
NO SCALE

NOTE
ALL NIGHT LIGHT CIRCUITS SHALL HAVE #10 THW WIRING



UNDERGROUND PRIMARY CONDUIT
DETAIL E1-4
NO SCALE




2" TELEPHONE CONDUIT TERMINATE 2" C. OUTSIDE BLDG & CAP SEE SHEET P1 FOR LOCATION
NOTE E1-F
PARTIAL PLAN RM. 09
TELEPHONE PLYWOOD EQUIPMENT BACK BOARD 4'-0" x 8'-0" x ¾"
FIXTURE MH UP TO LIGHT FIXTURE ABOVE
SEE PARTIAL PLAN PM 04
PANEL-MD
PANEL-EM
PANEL-NL
PANEL-HD
NOTE E1-A
NOTE E1-B
NOTE E1-C
NOTE E1-D
NOTE E1-E
UP TO 28
DIMMER #1
DIMMER #2
DIMMER #4
DIMMER #5
NOTE E1-G
NOTE E1-H
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NOTE E112-X
NOTE E112-Y
NOTE E112-Z
NOTE E113-X

AIR DEVICE SCHEDULE

SYMBOL ⬡	SIZE	TYPE: DIFFUSER	TYPE: GRILLE	TYPE: REGISTER	TYPE: LOUVER	C.F.M.	MF'R.: TITUS	MF'R.: AIROLITE	MF'R.: TUTTLE & BAILEY	MODEL Nº	DUTY: SUPPLY	DUTY: RETURN	DUTY: EXHAUST	DUTY: RELIEF	DUTY: INTAKE	MT'G. HT.: CEILING	MT'G. HT.: FLOOR TO BOTTOM	FINISH: ETCHED SATIN @ CLEAR LACQ.	FINISH: STD. FINISH	FINISH: WHITE ENAMEL TO MATCH CLG.	FINISH: ANODIZED	MISC.: VOLUME DAMPER	MISC.: FIRE DAMPER	MISC.: ALUM. BIRD SCREEN	MISC.: PAN TO FIT 2'x4' GRID	NOTES
1	9"x9"	●				300	●			TMDC-S1	●					●				●		●				
2	9"x9"	●				280	●			TMDC-S1	●					●				●						
3	9"x9"	●				245	●			TMDC-S1	●					●				●		●				
4	6"x6"	●				90	●			TMDC-S1	●					●				●		●				
5	6"x6"	●				70	●			TMDC-S1	●					●				●		●				
6	9"x9"	●				210	●			TMDC-S1	●					●				●		●				
7	9"x9"	●				170	●			TMDC-S1	●					●				●		●				
8	6"x6"	●				130	●			TMDC-S1	●					●				●		●				
9	9"x9"	●				150	●			TMDC-S1	●					●				●		●				
10	6"x6"	●				125	●			TMDC-S1	●					●				●		●				
11	9"x6"	●				140	●			TMDC-S1	●					●				●		●				2-WAY
12	9"x9"	●				290	●			TMDC-S1	●					●				●						
13	9"x9"	●				160	●			TMDC-S1	●					●				●		●				
14	9"x9"	●				190	●			TMDC-S1	●					●				●		●				
15	8"x8"		●			125	●			TMDC-S1			●			●				●		●				
16	9"x9"			●		150	●			SG-3200			●			●				●		●				SET IN CONC. SLAB
17	8"x8"		●			90	●			FRH-55			●			●				●		●				
18	6"x6"		●			50	●			FRH-55			●			●				●		●				
19	8"x8"		●			100	●			FRH-55			●			●				●		●				
20	18"x60"			●		2650	●			CRL-230		●					8'		●			●				
21	14"x14"		●			500	●			FRH-100			●			●			●			●				
22	12'0"x2"	●				750			●	4100	●						SILL				●	●				#4060 PLENUM
23	48'0"x7"	●				2350			●	6404F	●						8'-0"					●				
24	12'0"x2½"	●				600			●	4100F	●						FLOOR	●				●				4'-0" BLANK-OFF ON ℄
25	20'0"x3"	●				240	●			ML-3500	●	●				●		●				●				SEE PLAN & NOTE
26	10"x80"		●			2200	●			RH-50			●				8'	●								
27	10'0"x6½"	●				2000	●			C-2700	●					●		●				●				1-WAY
28	3'0"x6½"	●				400	●			C-2700	●					●		●				●				1-WAY
29	4'6"x1'-6"				●	2800		●		K-638					●				●					●		
30	6"x6"			●		115	●			CRL-277			●				9'-0"		●			●				3-WAY
31	12'0"x54"				●			●		K-638					●		14'		●					●		
32	6'0"x3"	●					●			ML-3500		●				●		●								OPEN TO AREA ABOVE
33	14"x8"			●		340	●			CRL-277	●						7'-0"	●				●				
34	10"x6"			●		130	●			CRL-277	●						9'-0"	●				●				

TERMINAL REHEAT BOX SCHEDULE

DESIGN CONDITIONS
ENT. WATER .... 200°
ENT. AIR .... 54°
WATER TEMP DROP .... 30° MAX.

SYMBOL	C.F.M.	TERMINAL REHEAT COIL: MBH	GPM	FINAL AIR TEMP	PIPE SIZE	MAX. DEPTH	CONSTANT VOLUME	VARIABLE VOLUME	UNIT DUCT INLET COLLAR SIZE	FLEX. FEEDER DUCT SIZE	MAX. N.C. LEVEL*	REMARKS
1	600	22.7	2.5	—	¾"	12"	●		8"φ	9"φ	35	
2	280	10.9	1.2	—	¾"	9"	●		6"φ	6"φ	35	
3	500	19.7	2.0	—	¾"	12"	●		8"φ	8"φ	35	
4	90	2.1	.5	—	¾"	9"		●	5"φ	5"φ	35	
5	140	2.6	.5	—	¾"	9"		●	5"φ	5"φ	35	
6	300	15.0	1.5	—	¾"	9"	●		6"φ	6"φ	35	
7	390	16.4	1.8	—	¾"	10"	●		7"φ	7"φ	30	
8	1250	30.9	3.0	—	1"	14"		●	10"φ	12"φ	35	
9	680	13.6	1.4	—	¾"	12"		●	8"φ	9"φ	35	
10	260	10.3	1.2	—	¾"	9"		●	6"φ	6"φ	35	
11	380	17.8	1.8	—	¾"	10"	●		7"φ	7"φ	30	
12	350	11.5	1.2	—	¾"	9"	●		6"φ	7"φ	35	
13	330	9.7	1.0	—	¾"	9"		●	6"φ	7"φ	30	
14	210	3.7	.5	—	¾"	9"		●	5"φ	5"φ	35	
15	490	17.0	1.8	—	¾"	10"	●		7"φ	8"φ	35	
16	350	6.2	1.0	—	¾"	9"		●	6"φ	7"φ	35	
17	950	24.9	2.7	—	¾"	14"		●	10"φ	11"φ	30	
18	290	6.7	1.0	—	¾"	9"		●	6"φ	6"φ	30	
19	300	10.4	1.2	—	¾"	9"	●		6"φ	6"φ	35	
20	410	15.2	1.7	—	¾"	10"	●		7"φ	7"φ	30	
21	480	9.1	1.2	—	¾"	10"		●	7"φ	8"φ	35	
22	2350	121.0	12.5	—	1½"	18¼"	●		18"x10"	18"x12"φ	30	
23	600	30.5	3.0	—	1"	12"	●		8"φ	9"φ	35	
24	1500	59.2	6.0	—	1¼"	16"	●		12"φ	14"φ	40	
25	450	17.0	1.8	—	¾"	10"	●		7"φ	7"φ	35	

FAN SCHEDULE

UNIT	C.F.M.	S.P.	MOTOR	R.P.M.	SONES	WHEEL DIA.	STRUCT. OP'G.	TYPE	MANUFACTURER	MODEL Nº	SEE DETAIL	FAN LOCATION	ELECTRICAL DATA: SEE MOTOR SCHEDULE SHEET E-1	TWO SPEED MOTOR & SWITCH BY FAN MFG.	INTEGRAL SAFETY SWITCH BY FAN MFG.	DAMPERS: GRAVITY (BY FAN MFG.)	ELECTRIC (BY FAN MFG.)	PNEUMATIC (BY CONTROL MFG.)	DRIVE: DIRECT	V-BELT	MISC.: ALUMINUM BIRD SCREEN	EXPLOSION PROOF MOTOR NON-SPARKING WHEEL
EF-1	400	½"	1/12 HP	1160	3.9	—	12" SQ.	CENTRIFUGAL ROOF FAN	ACME	PRL1086		ROOF ABOVE 121	●		●		●		●		●	
EF-2	250	3/8"	1/20 HP	1550	4.1	—	10" SQ.	CENTRIFUGAL ROOF FAN	ACME	PRL75		ROOF ABOVE 121 & 159	●		●		●		●		●	
EF-3	340	3/8"	1/20 HP	1050	3.7	—	10" SQ.	CENTRIFUGAL ROOF FAN	ACME	PRL76		ROOF ABOVE 121	●		●		●		●		●	
EF-4	600	¼"	1/20 HP	1160	4.2	—	12" SQ.	CENTRIFUGAL ROOF FAN	ACME	PRL9A6		ROOF ABOVE 121	●		●		●		●		●	
EF-5	1140	¼"	¼ HP	1140	—	—	23½" SQ.	PROPELLER WALL FAN	SWARTWOUT	214 HA		WALL OF RM. 01	●			●			●		●	
EF-6	2250	3/8"	½ HP	990	—	—	20" SQ.	POWER ROOF VENT - UP BLAST	SWARTWOUT	418 FWB		ROOF ABOVE CHASE	●		●		●			●	●	
EF-7	720	3/8"	1/12 HP	1160	4.2	—	12" SQ.	CENTRIFUGAL ROOF FAN	ACME	PRL1036		ROOF ABOVE 121	●		●		●		●		●	
RA-1	17,800	5/8"	5 HP	477	—	—	—	TUBULAR CENTRIFUGAL FAN	BARRY	FL445		MECH. RM. 10	●							●		

UNIT HEATER DATA:

TYPE .... HORIZONTAL DISCH.
MBH 31.6
GPM 3.0
ENT. AIR .... 60°
ENT. WATER .... 190°
C.F.M. 575
MOTOR .... .35 MHP
ELEC. .... 120V-60~-1φ

CABINET HEATER DATA:

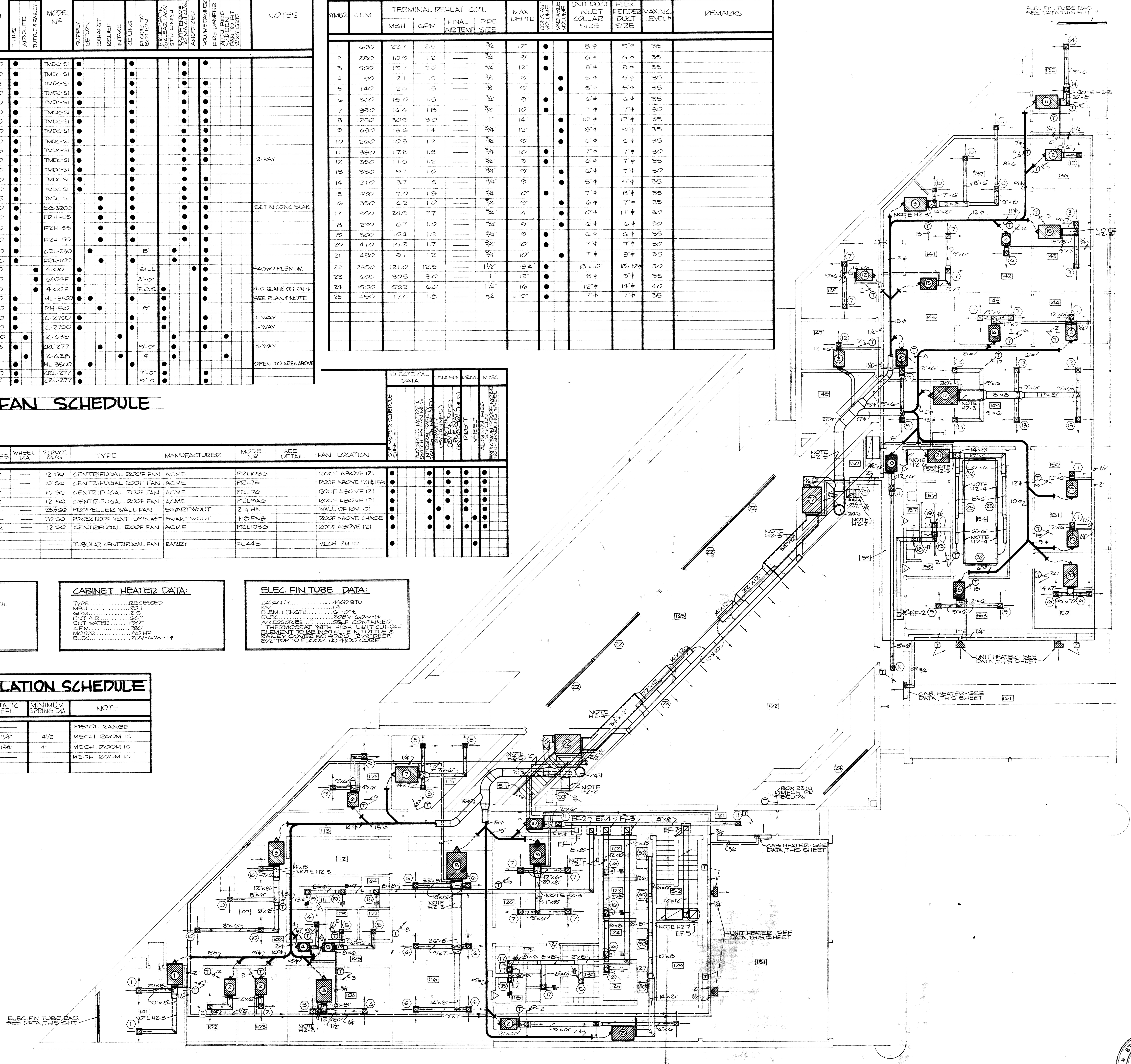
TYPE .... RECESSED
MBH 20.1
GPM 2.5
ENT. AIR .... 60°
ENT. WATER .... 190°
C.F.M. 280
MOTOR .... 1/20 HP
ELEC. .... 120V-60~-1φ

ELEC. FIN TUBE DATA:

CAPACITY .... 4400 BTU
KW 1.3
ELEM. LENGTH .... 6'-0" ±
ELEC. .... 208V-60~-1φ
ACCESSORIES .... SELF CONTAINED THERMOSTAT WITH HIGH LIMIT CUT-OFF. ELEMENT TO BE INSTALLE IN TUTTLE & BAILEY COVER NO 4060 - 2½" DEEP. 8½" TOP TO FLOOR. NO. 4100 CORE.

VIBRATION ISOLATION SCHEDULE

ITEM	MT'G. TYPE	STATIC DEFL.	MINIMUM SPRING DIA.	NOTE
MAKE-UP AIR UNIT	HD	—	—	PISTOL RANGE
SUPPLY AIR FAN	SLF	1¼"	4½"	MECH. ROOM 10
RETURN AIR FAN	DNHS	1¾"	4"	MECH. ROOM 10
MECH. RM. PIPING	HD	—	—	MECH. ROOM 10

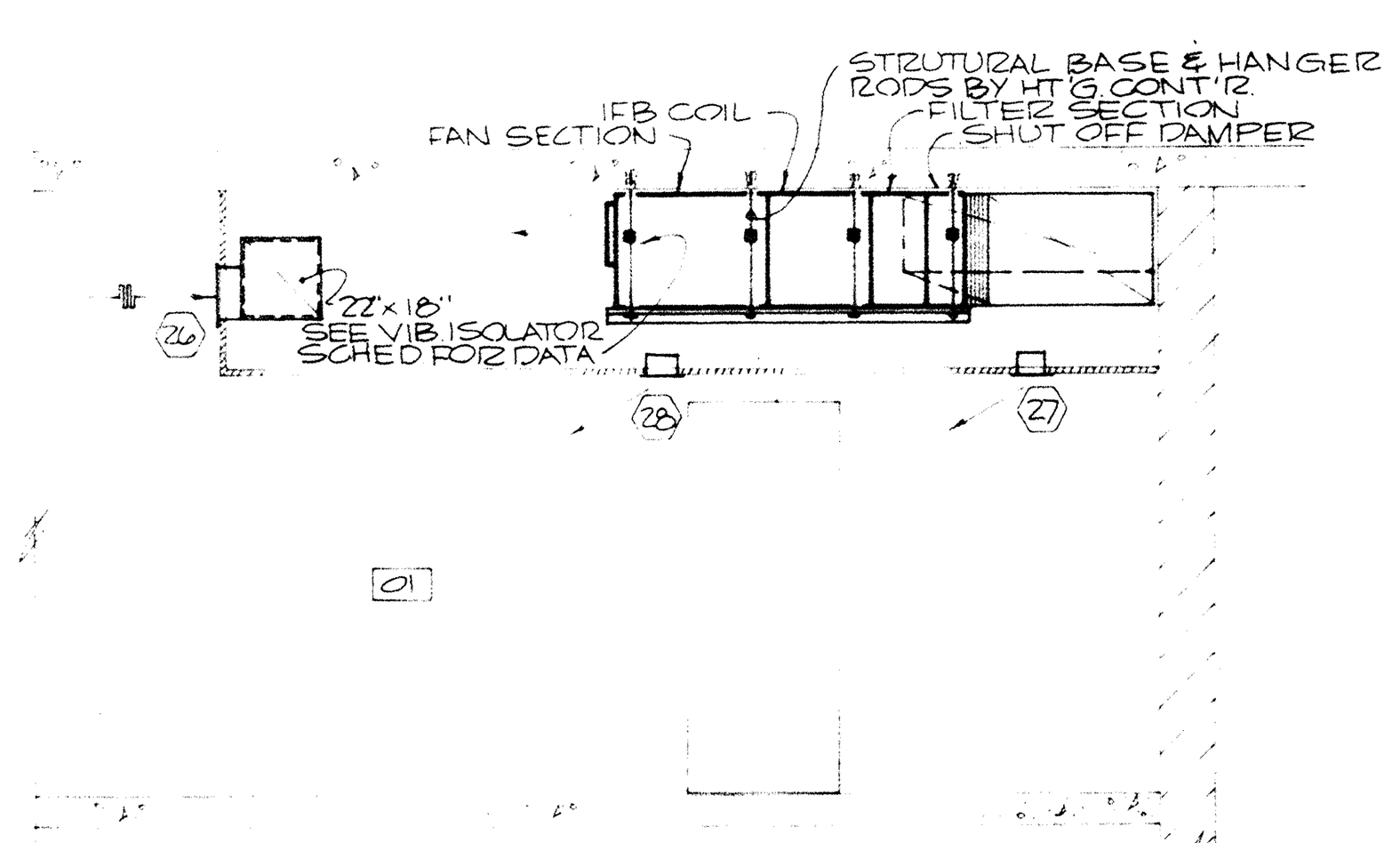


GROUND FLOOR PLAN

SCALE 1/8"=1'-0"

LEGEND

- HOT WATER SUPPLY
- HOT WATER RETURN
- CHILLED WATER SUPPLY
- CHILLED WATER RETURN
- PITCH OF PIPE
- GATE VALVE
- CHECK VALVE
- STRAINER
- DIRECTION OF FLOW
- BALANCING VALVE
- PIPE ANCHOR
- EXHAUST AIR
- DISCHARGE AIR
- 105 ROOM NUMBERS
- PNEUMATIC THERMOSTAT
- ELECTRIC THERMOSTAT
- DESIGNATION INDICATES NUMBER OF SQ. FT. OF LOUVER AREA.
- F.D. FIRE DAMPER
- AIR VOLUME EXTRACTOR
- TURNING VANES
- CONSTANT VOLUME REHEAT BOX
- VARIABLE VOLUME REHEAT BOX
- ACOUSTIC LINED DUCTWORK
- DOTTED LINES INDICATE FLEXIBLE DUCT
- HIGH VELOCITY "SPIRAL" DUCTWORK



MAKE-UP AIR UNIT

SECTION H2-1

SCALE ¼"=1'-0"

HOT WATER MAKE-UP AIR UNIT DATA:

TYPE .... INTEGRAL FACE & BYPASS H.W. COIL
TEMP. RISE .... 87°
ENT. AIR .... -10°
ENT. WATER .... 190°
GPM 12
CFM 2800
COIL F.A. .... 4.7 SQ. FT.
FAN HP .... ¾
ELEC. .... 208V-60~-3φ

NOTES:

H2-1 ... CONTROL FOR TERMINAL RE-HEAT UNIT 25 SERVING CELL AREA SHALL BE BY REMOTE BULB LOCATED IN EXHAUST DUCT ABOVE CELLS RUNNING TO EF-4. FURNISH APPROPRIATELY LABELED REMOTE READJUSTMENT CONTROLLER (WALL MOUNDED IN RM. 120.

H2-2 ... INSTALL R.A. STAT BEHIND GRILLE #20 FOR CONTROL OF TERMINAL REHEAT BOX #22.

H2-3 ... ACOUSTIC LINED DUCTWORK AS SHOWN.

H2-4 ... 4'-0" SECTIONS TO BE LEFT OPEN TO AREA ABOVE CL'G. TO BE USES AS RETURN AIR MEANS.

H2-5 ... END K-27P DOUBLE SHELL ACOUSTICALLY LINED DUCT.

H2-6 ... ELEC. FIN TUBE: 1020 BTUH, 24" ELEMENT, .3 KW, 120V/60~/1φ SELF CONTAINED THERMOSTAT WITH HIGH LIMIT CUT-OFF

H2-7 ... R.A. DUCT OPEN TO AREA ABOVE CEILING. DROP TO BSM'T.

STATE OF OHIO — G. R. HELMIG 18972 — T. R. LIENESCH 19509 — F. H. DOENCH 20762 — REGISTERED PROFESSIONAL ENGINEERS

HELMIG LIENESCH AND ASSOCIATES
CONSULTING ENGINEERS

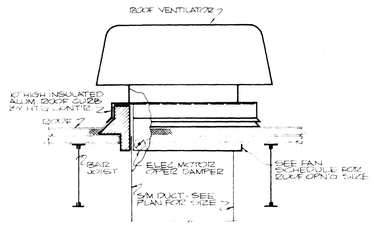
STATE OF OHIO — REGISTERED ARCHITECTS — 2334 — 2384

BROWN & HEAD & ASSOCIATES
ARCHITECTS

A NEW MUNICIPAL BUILDING
FOR THE CITY OF MORAINE, OHIO

GR. FLOOR PLAN, SCHEDULES

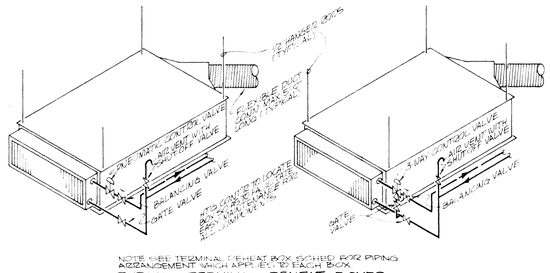
OHIO #2334 & #2384
SHEET NO. H-2
COMM. #68423
DATE: 9-26-68



TYPICAL ROOF CURB INSTALLATION

DETAIL H1-4

NO SCALE

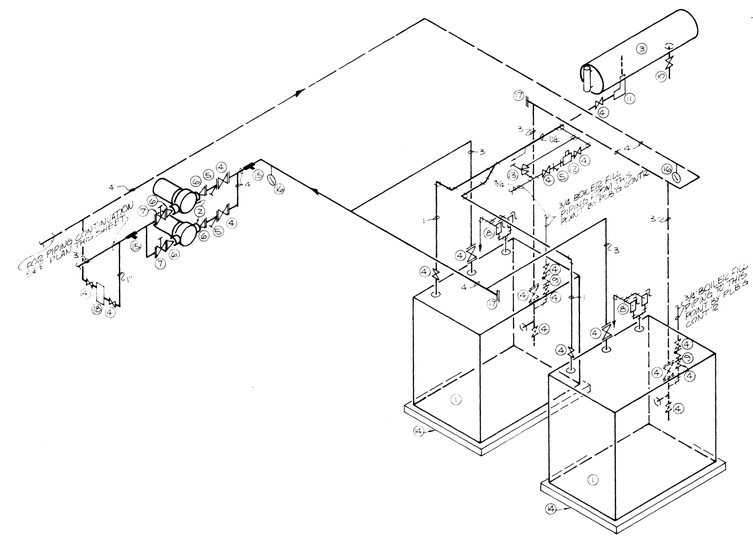


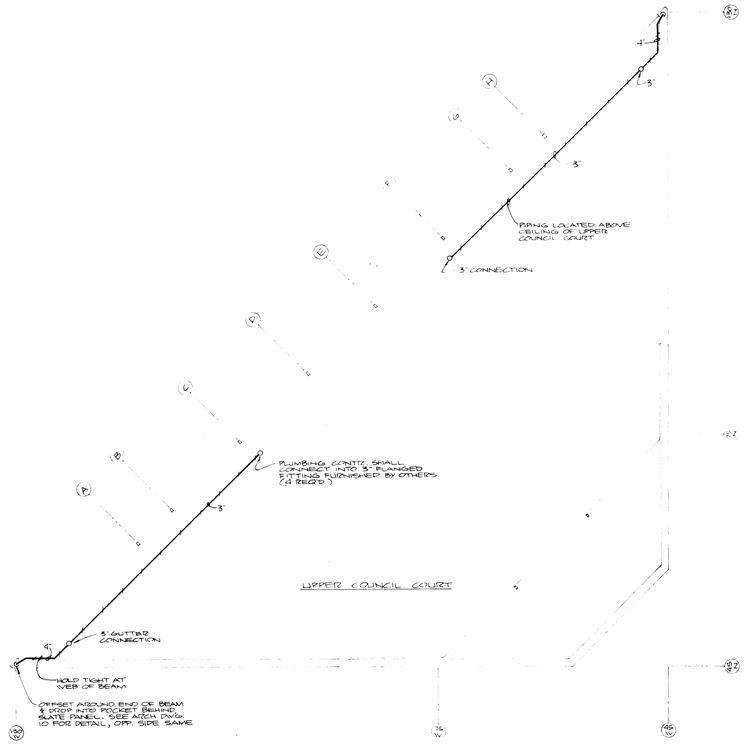
NOTE: SEE TERMINAL REHEAT BOX SCHED. FOR PIPING ARRANGEMENT WHICH APPLIES TO EACH BOX

TYPICAL TERMINAL REHEAT BOXES

DETAIL H1-3

NO SCALE


3/4 BOILER FEED LINE FROM BOILER FEED PUMP SHT P1
3/4 BOILER FEED LINE TO BOILER SHT P1
3/4 BOILER FEED LINE TO BOILER SHT P1
3/4 BOILER FEED LINE TO BOILER



FIXTURE SCHEDULE

UNIT	DESCRIPTION	SUPPLY HOT	SUPPLY COLD	WASTE	TRAP	VENT
A-1	WATER CLOSET	——	1¼"	4"	INT.	2"
A-2	WATER CLOSET COMBINATION (SECURITY)	½"	½", 1¼"	4"	1¼" & INT	2"
B-1	URINAL	——	1"	2"	2"	1½"
C-1	LAVATORY	½"	½"	1½"	1½"	1¼"
C-2	LAVATORY (COUNTER TYPE)	½"	½"	1½"	1¼"	1¼"
D-1	WATER COOLER (SEMI-RECESSED)	——	½"	1½"	1¼"	1¼"
D-2	WATER COOLER	——	½"	1½"	1¼"	1¼"
E-1	SHOWER	½"	½"	3"FD	3"	1½"
F-1	SERVICE SINK	½"	½"	3"	3"	1½"
F-2	SERVICE BASIN	½"	½"	3"FD	3"	1½"
G-1	DEVELOPING SINK	½"	½"	1½"	1½"	1½"
G-2	SINGLE COMP. SINK	½"	½"	1½"	1½"	1½"
G-3	KITCHEN SINK	½"	½"	1½"	1½"	1½"
G-4	PRINT WASHER	½"	½"	——	——	——
G-5	SINK & DRAINBOARD	½"	½"	1½"	1½"	1½"
H-1	DISHWASHER	¾"	——	1½"	1½"	1½"

DRAIN SCHEDULE

UNIT	DESCRIPTION	STRAINER	MFTR. NO.
F.D. 1	4" CAULK OUTLET FLOOR DRAIN WITH CLAMPING COLLAR, FLUSHING RIM & VANDAL PROOF TOP WITH GRATE	NICKEL BRASS	WADE CO. W-1820-BC
F.D. 2	3" CAULK OUTLET FLOOR DRAIN WITH CLAMPING COLLAR, 5" TYPE "S" STRAINER & VANDAL PROOF SCREWS	NICKEL BRASS	WADE CO. W-1100-C
F.D. 3	3" CAULK OUTLET FLOOR DRAIN WITH CLAMPING COLLAR, 5" TYPE "S" STRAINER & SEDIMENT BUCKET	NICKEL BRASS	WADE CO. W-1100-C
F.D. 4	3" CAULK OUTLET FLOOR DRAIN WITH 5" TYPE "S" STRAINER & SEDIMENT BUCKET	NICKEL BRASS	WADE CO. W-1100
F.D. 5	4" CAULK OUTLET FLOOR DRAIN WITH VERTICAL ADJUSTMENT	CAST IRON	WADE CO. W-1390
F.D. 6	4" CAULK OUTLET FLOOR DRAIN WITH LOOSE GRATE	CAST IRON	WADE CO. W-1640
R.D. 1	5" OUTLET ROOF DRAIN WITH MUSHROOM DOME STRAINER, DECK CLAMP & BEARING PAN	CAST IRON	WADE CO. W-3600 D-BP
R.D. 2	4" OUTLET ROOF DRAIN WITH MUSHROOM DOME STRAINER, DECK CLAMP & BEARING PAN	CAST IRON	WADE CO. W-3500 D-BP

FIRE EXTINGUISHER & CABINET SCHEDULE

UNIT	CABINET DESCRIPTION	EXTINGUISHER DESCRIPTION	MFTR. NO.
F.E. 1	WALL BRACKET (NO CABINET)	5 LB. CO2	STANDARD FIRE HOSE CO NO. C-5
F.E. 2	WALL BRACKET (NO CABINET)	10 LB. DRY CHEMICAL	STANDARD FIRE HOSE CO NO. ABC-10
F.C. 3	FULLY RECESSED EXTINGUISHER CABINET WITH PRIME COATED STEEL, STYLE 'A' PLATE GLASS DOOR	2½ GAL. PRESS. WATER NO. WA-31	STANDARD FIRE HOSE CO NO. 101

CLEANOUT & ACCESS COVER SCHEDULE

UNIT	DESCRIPTION	ACCESS COVER	MFTR. NO.
C.O. 1	FLOOR LEVEL CLEANOUT WITH ROUND ACCESS COVER & SQUARE FRAME	NICKEL BRASS	WADE CO W-8030-L
C.O. 2	HEAVY DUTY FLOOR LEVEL CLEANOUT WITH VERTICAL ADJUSTMENT	CAST IRON	WADE CO W-8050
C.O. 3	CLEANOUT TEE WITH RAISED HEX HEAD PLUG & ROUND WALL ACCESS COVER	NICKEL BRASS	WADE CO W-8480-R
C.O. 4	CLEANOUT TEE WITH RAISED HEX HEAD PLUG	——	WADE CO. W-8870-A

STATE OF OHIO
G. R. HELMIG 18972
T. R. LIENESCH 19509
F. H. DOENCH 20762
REGISTERED PROFESSIONAL ENGINEERS

HELMIG-LIENESCH AND ASSOCIATES
CONSULTING ENGINEERS

STATE OF OHIO
PAUL P. BROWN 2334
REGISTERED ARCHITECT

BROWN & HEAD & ASSOCIATE'S
A R C H I T E C T S

OHIO #2334 & #2364

A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

SHEET NO. P3

GROUND FLOOR PLAN

COMM. #64-23

DATE: 9/26/67

NOTES:

P2-1. FLUSH VALVE & BOX MOUNTED IN WALL. SLOAN CO. NO. 1307 V VALVE WITH WADE CO. NO. W-8901 VALVE BOX. REFER TO GROUND FLOOR PLAN, SH. P-3 FOR LOCATION (4 REQUIRED).

P2-2. HOT WATER STORAGE HEATER, SEE DETAIL P2-1

P2-3. SUMP PUMP, SEE DETAIL P2-2

P2-4. 4" RUNNING TRAP WITH CLEANOUT FOR FOOTER DRAIN CONNECTIONS.

P2-5. FLUSHING RIM FLOOR DRAIN LOCATED IN GROUND FLOOR CORE WATER ISOMETRICS.

P2-6. CHICAGO FAUCET CO. NO. 958 FAUCET WITH LOOSE KEY & VACUUM BREAKER. PROVIDE WADE CO. NO. W-8460-SH PANEL WITH VANDAL PROOF SCREWS & LOCKED HINGED DOOR.

P2-7. SOLENOID VALVE TO OPERATE WATER LINES TO CELLS, SEE SPECIFICATIONS. ELECTRICAL WIRING & CONTROL STATION BY ELECTRICAL CONTR.

P2-8. GAS: PEERLESS REGULATOR, 1 LB TO 4 OZ., 2000 CU FT. NATURAL GAS NO. 1203, DOCKWELL CO. OR EQUAL. PROVIDE VALVES & RIGID VENT.

P2-9. PROVIDE RUNNING TRAP WITH CLEANOUTS

P2-10. DELL'S 1¼" LB GAS LINE TO BOILER, PROVIDE PILOT LEG AND GAS VALVE AT CONNECTION, CONTINUED BY OTHERS.

P2-11. TERMINATE ¾" COLD WATER TO HEATING EQUIPMENT, CONNECTED BY OTHERS

NOMENCLATURE:

A. HOT WATER HEATER, 100 GAL STORAGE, GAS 200 CU FT NAT GAS, 168 G.P.H. @ 100° RISE

B. ALL BRONZE BOOSTED PUMP, 3 G.P.M. @ 8 FT. HD., 1/12 HP, 120V-60CY-1Φ, 1750 RPM

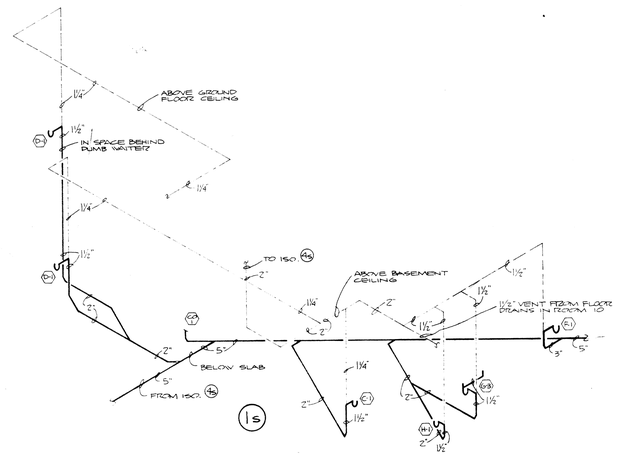
C. TEMP & PRESSURE RELIEF VALVE

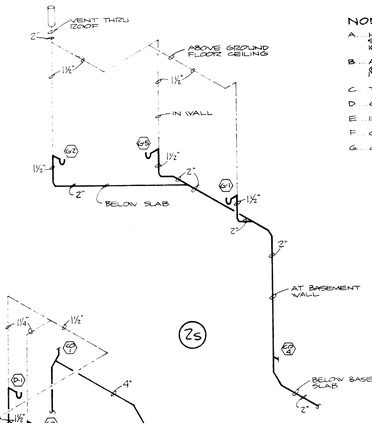
D. GAS COCK

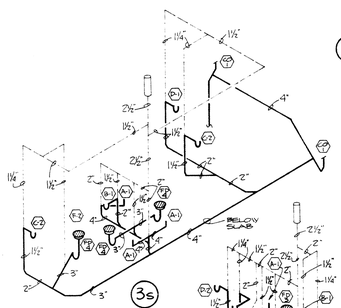
E. IMMERSION AQUASTAT

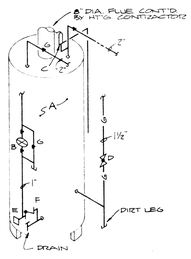
F. CHECK VALVE

G. GATE VALVE





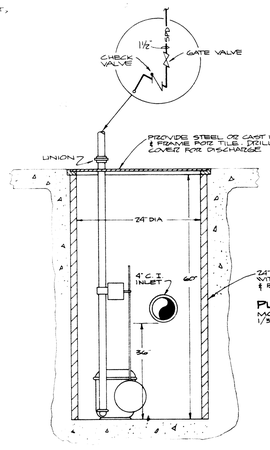




HOT WATER HEATER

DETAIL P2-1

NO SCALE

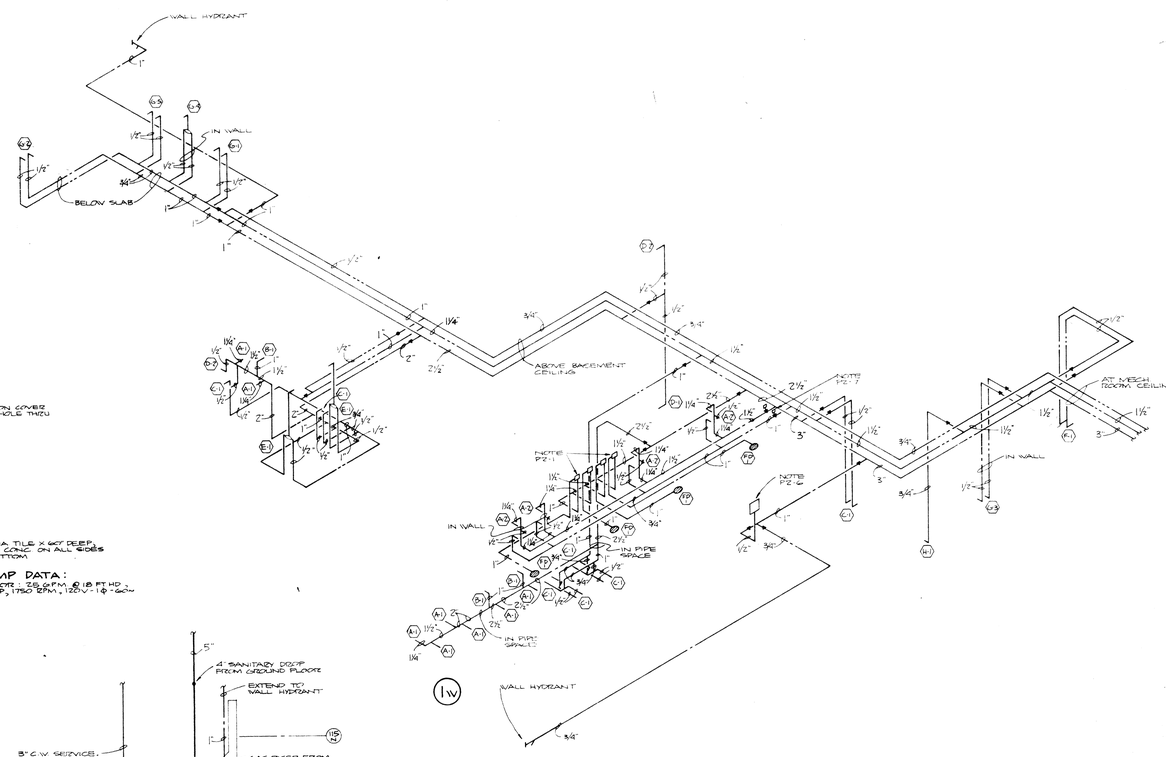


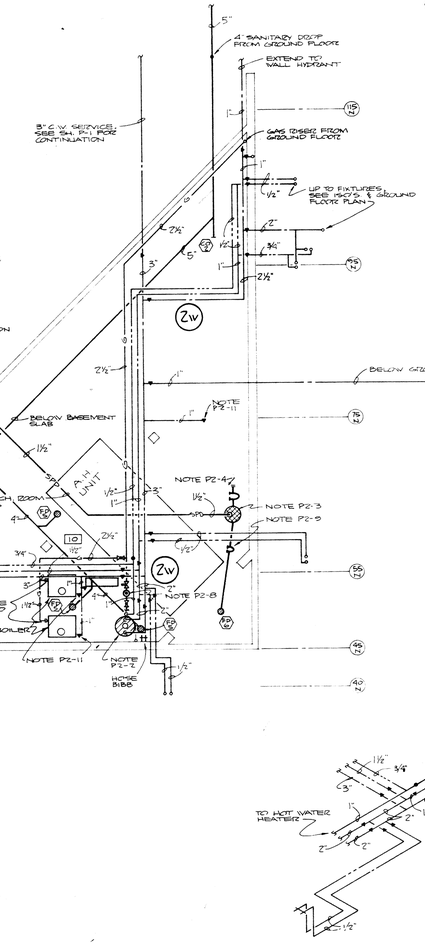
PUMP DATA:
MOTOR - 28 G.P.M. @ 18 FT. HD. 1/3 HP, 1750 R.P.M., 120 V.-1Φ-60~

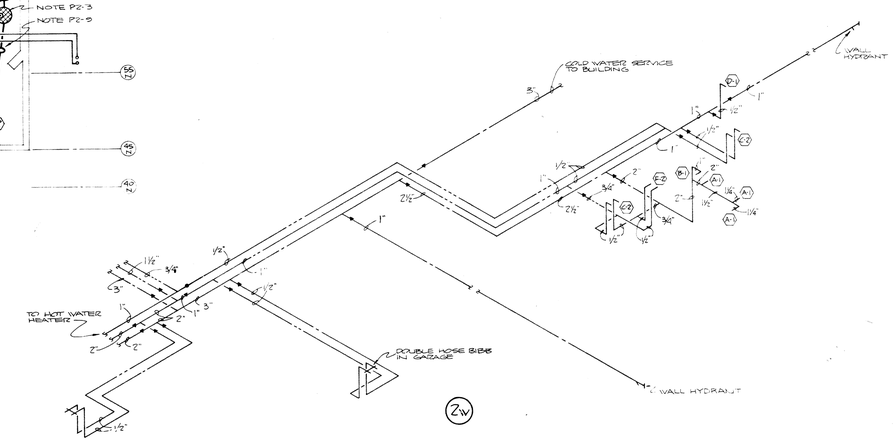
STORM SUMP PUMP

DETAIL P2-2

NO SCALE







ELEV. 715.33'

BASEMENT FLOOR PLAN

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

STATE OF OHIO
G. B. HELMIG 13972
T. R. LIENESCH 19059
F. H. DOENCH 20762
REGISTERED PROFESSIONAL ENGINEERS

HELMIG LIENESCH AND ASSOCIATES
CONSULTING ENGINEERS

STATE OF OHIO
PAUL P. BROWN 2334
JOHN W. HEAD 2334
REGISTERED ARCHITECT

BROWN & HEAD & ASSOCIATES
ARCHITECTS
OHIO #2334 & #2384

A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

BASEMENT FLOOR PLAN

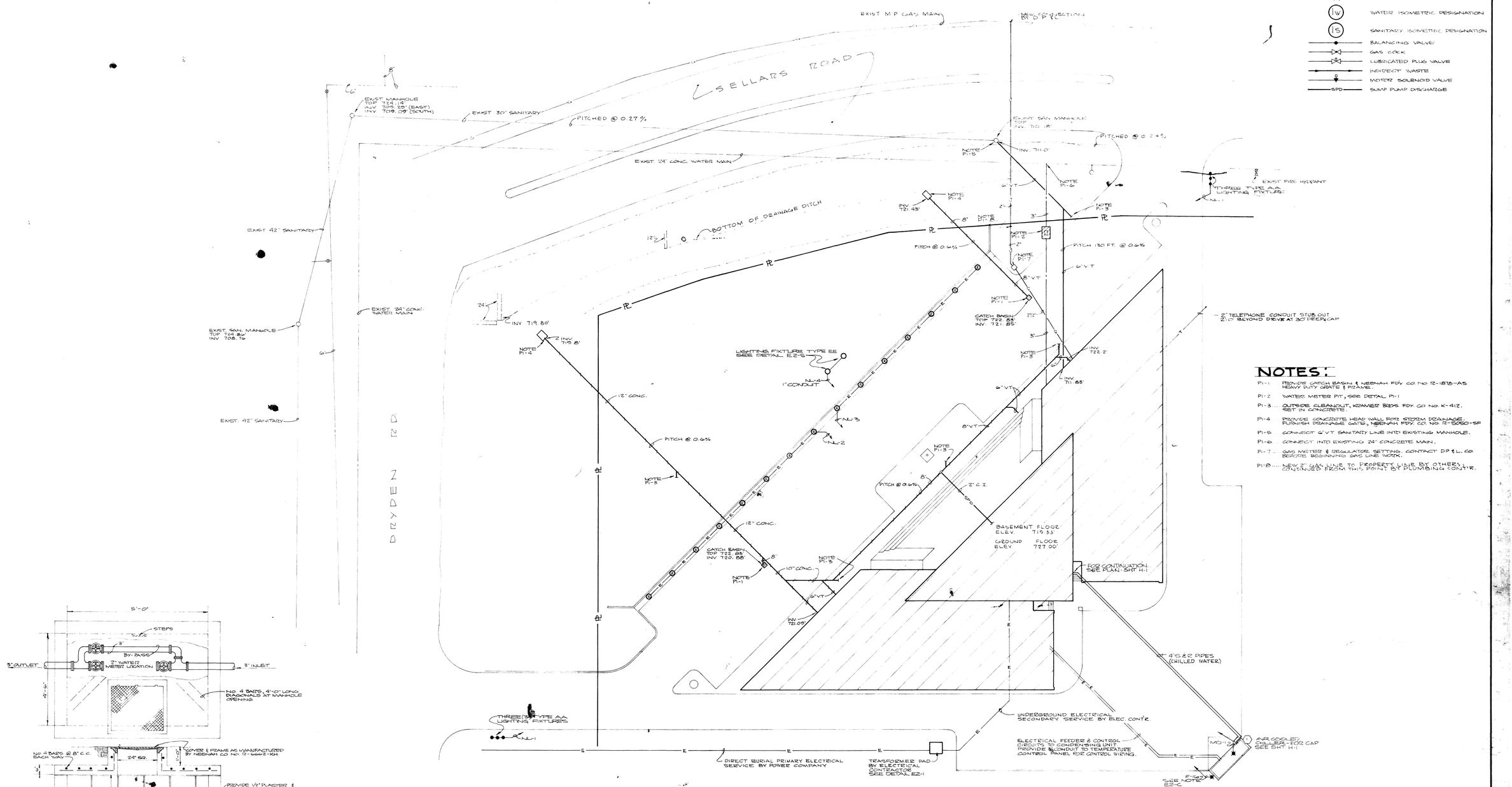
SHEET NO. P2

CODE NO. 6473

DATE: 9/25/69

LEGEND PLUMBING

- COLD WATER SUPPLY
- HOT WATER SUPPLY
- HOT WATER RETURN
- SOIL AND/OR WASTE
- VENT
- STORM DRAINAGE
- GAS LINE
- GATE VALVE
- CHECK VALVE
- FIXTURE DESIGNATION
- ROOM NUMBER
- ROOF DRAIN
- FLOOR DRAIN
- C.O. CLEANOUT
- DOUBLE HOSE BIBB
- WALL HYDRANT
- (IW) WATER ISOMETRIC DESIGNATION
- (IS) SANITARY ISOMETRIC DESIGNATION
- BALANCING VALVE
- GAS COCK
- LUBRICATED PLUG VALVE
- INDIRECT WASTE
- MOTOR SOLENOID VALVE
- SPD SUMP PUMP DISCHARGE



NOTES:

PI-1 ..... PROVIDE CATCH BASIN & NEENAH FDY. CO NO 12-1878-A&S HEAVY DUTY GRATE & FRAME.

PI-2 ..... WATER METER PIT, SEE DETAIL PI-1

PI-3 ..... OUTSIDE CLEANOUT, KRAMER 8205 FDY. CO NO. K-412. SET IN CONCRETE.

PI-4 ..... PROVIDE CONCRETE HEAD WALL FOR STORM DRAINAGE. FURNISH DRAINAGE GATE, NEENAH FDY. CO. NO 12-8080-SF

PI-5 ..... CONNECT 6" V.T. SANITARY LINE INTO EXISTING MANHOLE.

PI-6 ..... CONNECT INTO EXISTING 24" CONCRETE MAIN.

PI-7 ..... GAS METER & REGULATOR SETTING. CONTACT D.P.&L. CO BEFORE BEGINNING GAS LINE WORK.

PI-8 ..... NEW 2" GAS LINE TO PROPERTY LINE BY OTHERS. CONTINUED FROM THIS POINT BY PLUMBING CONTR.

WATER METER PIT

DETAIL PI-1

NO SCALE

MECHANICAL PLOT PLAN

SCALE : 1" = 20'-0"

STATE OF OHIO
G. R. HELMIG 18972
T. R. LIENESCH 19509
F. H. DOENCH 20762
REGISTERED PROFESSIONAL ENGINEERS

HELMIG LIENESCH AND ASSOCIATES
CONSULTING ENGINEERS

STATE OF OHIO
PAUL T. BROWN 2334
JOHN H. HEAD 2384
REGISTERED ARCHITECTS

BROWN & HEAD & ASSOCIATES ARCHITECTS — OHIO #2334 & #2384

A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE, OHIO

MECHANICAL PLOT PLAN

SHEET NO. P1

DRWG. 6-2473

DATE: 12/6/67

GENERAL NOTES

FLING & EEMAN, INC. S-48

CONCRETE

1. ALL CONCRETE WORK SHALL COMPLY WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301-66).
2. ONE COPY OF THE "FIELD REFERENCE MANUAL" (ACI PUBLICATIONS SP-15) SHALL BE KEPT IN THE PROJECT FIELD OFFICE AT ALL TIMES.
3. ALL CONCRETE SHALL BE WORKING STRESS TYPE CONCRETE. CONCRETE EXPOSED TO THE WEATHER IN THE FINISHED STRUCTURE SHALL TEST 4000 PSI MINIMUM AT 28 DAYS AND CONTAIN ENTRAINED AIR. ALL OTHER CONCRETE SHALL TEST 3000 PSI MINIMUM AT 28 DAYS EXCEPT AS NOTED. EARLY AGE STRENGTH SHALL BE AT LEAST 75% HIGHER THAN THE SPECIFIED MINIMUM. SEND ONE COPY OF TEST REPORTS DIRECTLY TO STRUCTURAL ENGINEER.
4. REINFORCING STEEL SHALL BE DETAILED AND MANUFACTURED TO A CURRENT ASTM STANDARD WITH THE FOLLOWING MINIMUM YIELD POINTS: BEAM STIRRUPS AND COLUMN TIES 40 KSI (NOT 50 KSI OR 60 KSI). ALL OTHER 60 KSI EXCEPT AS NOTED.
5. FURNISH, FABRICATE AND PLACE ____ TONS OF ADDITIONAL REINFORCING BARS AS DIRECTED BY THE ARCHITECT.
6. REINFORCE ALL SLABS WITH ONE LAYER OF WELDED WIRE FABRIC (W.W.F.) AS FOLLOWS, UNLESS NOTED OR UNLESS REINFORCING BARS ARE CALLED FOR IN TWO DIRECTIONS:

   ____ FOR TOP SLABS.

   6"x6" W2.9/W2.9 FOR SLABS ON GROUND AND ALL OTHER SLABS.

   [illegible] FOR SLOPED SLABS.

   [illegible] FOR SLABS ON METAL FORMS.
7. LAP ALL COMPRESSION SPLICES 24 BAR DIAMETERS. LAP ALL TENSION SPLICES IN ACCORDANCE WITH THE FOLLOWING TABLE:

BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BARS*	1'-3"	1'-8"	2'-1"	2'-6"	2'-11"	3'-4"	3'-9"	4'-2"	4'-7"
OTHER BARS	1'-0"	1'-4"	1'-8"	2'-0"	2'-4"	2'-8"	3'-0"	3'-4"	3'-8"

   *HORIZONTAL BARS SO PLACED THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.

   [illegible] FOR BARS OF DIFFERENT SIZES SPLICED TOGETHER, USE THE LARGER OF THE ABOVE VALUES.
8. THE CLEAR DISTANCE BETWEEN REINFORCING STEEL AND THE SURFACE OF THE CONCRETE SHALL BE AS FOLLOWS: CONCRETE PLACED AGAINST THE GROUND - 3"; FORMED SURFACES EXPOSED TO WEATHER OR THE GROUND - 2"; BEAMS AND COLUMNS - 1-1/2"; SLABS, [illegible] AND WALLS NOT EXPOSED TO THE WEATHER - 3/4".
9. REINFORCE ALL WALLS WITH #4 BARS AT 12" C/C EACH WAY UNLESS NOTED. PROVIDE 2 - #5 BARS AROUND ALL OPENINGS IN CONCRETE WALLS, 1'-0" LONGER THAN OPENING.
10. ALL ANCHORS AND OTHER PROJECTING ELEMENTS SHALL BE KEYED AND DOWELED TO THE SUPPORTING WALLS WITH #4 BARS @ 12" C/C EXTENDING 1'-0" INTO WALL UNLESS NOTED.
11. BEND ALL HORIZONTAL WALL AND FOOTING BARS 1'-0" AROUND CORNERS.
12. PLACE CONCRETE WALLS AND COLUMNS TOGETHER. SET COLUMN STEEL FIRST AND THREAD WALL STEEL THROUGH COLUMN VERTICALS.
13. [illegible] SPACE OF THESE AT 24" C/C OR LESS UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
14. [illegible] SHALL BE CONSTRUCTED AS SHOWN ON THE DRAWINGS.
15. ALL CORNERS OF CONCRETE COLUMNS, BEAMS AND WALLS EXPOSED TO VIEW SHALL HAVE A 3/4" x 45° CHAMFER UNLESS NOTED.
16. NO SLEEVES, HOLES OR INSERTS SHALL BE PLACED IN SLABS WITHIN 2'-0" OF THE EDGE OF COLUMNS NOR WITHIN 12 BEARS; COLUMNS, [illegible] WITHOUT APPROVAL OF STRUCTURAL ENGINEER.
17. CONSTRUCTION JOINTS IN BEAMS, [illegible] AND SUPPORTED SLABS SHALL HAVE A HORIZONTAL KEYWAY 3" DEEP WITH A WIDTH EQUAL TO APPROXIMATELY ONE-THIRD OF DEPTH OF MEMBER.
18. THE MAXIMUM SPACING BETWEEN CONSTRUCTION JOISTS SHALL BE 200 FEET UNLESS APPROVED BY STRUCTURAL ENGINEER. SUBMIT PROPOSED CONSTRUCTION JOINT LOCATION AND CASTING SEQUENCE FOR APPROVAL.
19. NO MASONRY SHALL BE BUILT ON SUPPORTED FLOORS UNTIL CONCRETE IS AT LEAST 28 DAYS OLD AND ALL SHORING HAS BEEN REMOVED.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL MEET ASTM A36. ALL DETAILING, FABRICATION AND ERECTION SHALL MEET AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, 1963 AND AISC CODE OF STANDARD PRACTICE FEB. 1963.
2. ALL STEEL BEFORE LEAVING SHOP SHALL BE CLEANED OF WIRE BRUSHING AND PAINTED. SURFACES WHICH ARE TO BE IN CONTACT POSSIBLE AFTER ERECTION SHALL HAVE TWO SHOP COATS OF DIFFERENT COLORS. FIELD OF BOLTS, WELDS, AND ABRADED SPOTS AFTER ERECTION WITH THE SHOP PAINT.
3. PROVIDE ALL HOLES REQUIRED BY OTHER TRADES.
4. PROVIDE BEARING PLATES UNDER BEAMS AND LONGSPAN JOIST OF ADEQUATE SIZE TO KEEP MASONRY BEARING PRESSURES UNDER 250 PSI. [illegible] PROVIDE BEARING ANGLES 4 x 3" x 1/4 x 8-1/2" LONG WHERE NOTED IN MASONRY BEARING DETAILS. FOR JOISTS WITH LESS THAN 165 POUNDS/FT. ABOVE, PROVIDE 2-1/2" MINIMUM LENGTH ANCHOR BOLTS IN ACCORDANCE WITH THE AISC SPECIFICATIONS UNLESS OTHERWISE NOTED.
5. UNDER ALL OPENINGS NOT OTHERWISE PROVIDED FOR, FABRICATOR SHALL SUPPLY LINTELS OF ADEQUATE DESIGN.
6. ALL WELDING SYMBOLS AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH AWS A2.0-58.
7. SHOP CONNECTIONS SHALL BE WELDED, RIVETED OR BOLTED AND FIELD CONNECTIONS SHALL BE RIVETED OR BOLTED (3/4" DIAMETER MINIMUM) EXCEPT AS NOTED. ALL CONNECTIONS SHALL DEVELOP FULL CAPACITY OF MEMBERS.
8. WHERE HIGH STRENGTH BOLTS ARE REQUIRED, OR USED AT THE OPTION OF THE FABRICATOR, THEY SHALL MEET ASTM A325 OR A490, AND SHALL HAVE THREADS EXCLUDED FROM THE SHEAR PLANES.

STEEL JOIST

1. ALL DESIGN, DETAILS, FABRICATION, BRIDGING, AND ERECTION SHALL MEET CURRENT AMERICAN INSTITUTE OF STEEL CONSTRUCTION STANDARD SPECIFICATIONS. SPACING SHALL BE AS INDICATED ON PLANS.
2. ALL SHORTSPAN JOISTS BEARING ON MASONRY SHALL HAVE BEARING PLATES BY [illegible] TO KEEP PRESSURE UNDER 250 PSI. [illegible] JOISTS SHALL BE WELDED TO BEARING PLATES.
3. PROVIDE STANDARD WALL ANCHORS AT THE END OF EACH JOIST BEARING ON MASONRY WITH 30" OR MORE MASONRY ABOVE THE TOP OF THE JOISTS. WELD ALL JOISTS TO SUPPORTING STEEL WITH 1" OF 1/4" FILLET WELD FOR SHORTSPAN JOISTS AND [illegible] WELDS FOR LONGSPAN JOISTS EACH SIDE OF END.
4. EXTEND ALL JOIST 1" MINIMUM PAST CENTERLINE OF SUPPORTING MEMBER WHERE POSSIBLE. ON MASONRY WALLS 12" OR MORE IN THICKNESS THE MINIMUM BEARING SHALL BE 6" UNLESS NOTED.
5. JOIST VENDOR TO PROVIDE HEADERS OF ADEQUATE STRENGTH FOR JOIST SUPPORT AT OPENINGS.

[illegible]

[illegible]
6. SHOP DRAWINGS SHALL INDICATE SIZE, LENGTH, LOCATION, SPACING, BRIDGING, PAINT AND END DETAILS OF ALL JOISTS. JOIST VENDOR SHALL FURNISH SIZE OF ALL MEMBERS, PANEL DIMENSIONS AND OTHER DETAILS FROM HEADS.

[illegible]

2. JOIST VENDOR TO FURNISH SPECIAL JOIST ENDS WHERE REQUIRED TO MAINTAIN LEVEL BEARING.

MISCELLANEOUS

DASHMARK 4000 PSF ACTUAL - 10,000 PSF ALLOWABLE
ALL OTHERS 2000 PSF ACTUAL - 4000 PSF ALLOWABLE

1. FOUNDATIONS ARE DESIGNED FOR A SOIL PRESSURE OF [illegible] PSF. AFTER EXCAVATING, BEFORE PLACING ANY CONCRETE, ARCHITECT WILL PASS ON QUALITY OF SOIL. UNDER ANY TESTS NEEDED, AND IF NECESSARY, STRENGTHEN FOOTINGS.
2. BASEMENT RETAINING WALLS SHALL BE SUPPORTED LATERALLY BY THE FIRST FLOOR SLAB BEFORE PLACING ANY BACKFILL.
3. PILASTERS SHALL BE LAID-UP SIMULTANEOUSLY WITH AND BONDED INTO ADJOINING MASONRY.
4. BLOCK BEARING WALLS SHALL BE MADE FROM MASONRY UNITS MEETING ASTM C55 (CONCRETE BUILDING BRICK), OR C90 (CONCRETE MASONRY UNITS, HOLLOW LOAD-BEARING), OR C145 (CONCRETE MASONRY UNITS, SOLID LOAD-BEARING). THE GRADE OF UNITS FROM EACH SPECIFICATION WITH TYPE "S" MORTAR MEETING ASTM C270.
5. IN MASONRY WALLS, NO CRACES, RISERS, CONDUITS, OR RECESSES OF MASONRY SHALL OCCUR WITHIN 24" OF CENTERLINE OF BEAM BEARING OR LOAD CONCENTRATION.
6. SUBMIT A SETS OF SHOP DRAWINGS OF REINFORCING BARS. CONSTRUCTION JOINT LOCATION AND CASTING SEQUENCE. STRUCTURAL STEEL, STEEL JOIST, AND ROOF DECK AND DETAILS APPROVAL BEFORE FABRICATION.
7. COMPLETE COPIES OF THE SOILS AND FOUNDATION INVESTIGATION REPORT ARE AVAILABLE FOR INSPECTION IN THE OFFICES OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. NEITHER THE OWNER, ARCHITECT NOR STRUCTURAL ENGINEER IS RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE REPORT NOR IS THIS INFORMATION A PART OF THE CONSTRUCTION CONTRACT.
8. ALL OPENINGS, LINTELS, EQUIPMENT SUPPORTS AND OTHER CONSTRUCTION PROVIDED FOR REGARDLESS WORK SHALL BE VERIFIED WITH THE MECHANICAL CONTRACTOR BEFORE FABRICATION OR CONSTRUCTION.
9. DESIGN LIVE LOADS ARE: ROOF 25 PSF
   MAIN FLOOR 100 PSF

STRUCTURAL DRAWING ABBREVIATIONS AND SYMBOLS

FLING & EEMAN, INC. S-41

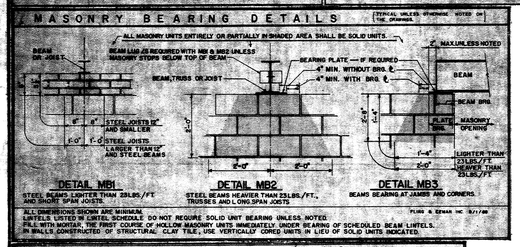
A.B.	ANCHOR BOLT	EF.	EACH FACE	OPN.	OPENING
ADJ.	ADJUSTABLE	E.J.	EXPANSION JOINT	OPP.	OPPOSITE
ALT.	ALTERNATE	EL.	ELEVATION	P	PLATE
ARCH.	ARCHITECT OR ARCHITECTURAL	ELEV.	ELEVATOR	PSF	LBS/SQ.FT.
@	AT	E-W	EAST-WEST	R	RISER
BSMT.	BASEMENT	E.W.	EACH WAY	R.C.	REINFORCED CONC.
BOT.	BOTTOM	EXIST.	EXISTING	REINF.	REINFORCING
BTWN.	BETWEEN	EXT.	EXTERIOR	REQD.	REQUIRED
BLDG.	BUILDING, LINE	FDN.	FOUNDATION	SCHED.	SCHEDULE
BLKG.	BLOCKING	FT.IN.	FEET-INCH	SECT.	SECTION
BTLG.	BOTTLING	F.L.	FULL LENGTH	SHT.	SHEET
C	STAR	FLG.	FLANGE	S.J.	STEEL JOIST
P.B.	BASE PLATE	FLR.	FAB. SLAB	SPC.	SPACE OR SPACING
BRG.	BEARING	FTG.	FOOTING	SPEC.	SPECIFICATION
CANT.	CANTILEVER	GA.	GAUGE	SQ.	SQUARE
C/C	CENTER TO CENTER	GALV.	GALVANIZED	STD.	STANDARD
C.J.	CONTROL JOINT	GR.	GRADE	STIFF.	STIFFENER
℄	CENTERLINE	GRD.	GROUND	STR.	STRUCTURAL
CL.	CLEAR	H.	HORIZONTAL	SUP.	SUPPORT
CLR.	CLEAR	HORIZ.	HORIZONTAL	SYM.	SYMMETRICAL
CONST. JT.	CONSTRUCTION JOINT	HOR.	HEADER	T. & B.	TOP & BOTTOM
CTR.	CENTER	INT.	INTERIOR	T.C.CONC.	TOP OF CONCRETE
CONC.	CONCRETE	JST.	JOIST	T.C.DK.	TOP OF DECK
CONT.	CONTINUOUS	K	KIPS (1000 LBS.)	T.G.	STEEL TONGUED-GROOVED
CONTR.	CONTRACTOR	L.L.H.	LONG LEG HORIZ.	T.J.	TRIPLE JOIST
DEPR.	DEPRESSION	L.L.V.	LONG LEG VERT.	TR.	TRUSS OR TRUSS
DET.	DETAIL	LONG.	LONGITUDINAL	T.S.	REPRESENTING STEEL
DIA.	DIAMETER	MAS.	MASONRY	TYP.	TYPICAL
DIM.	DIMENSION	MAX.	MAXIMUM	U.O.N.	UNLESS OTHERWISE NOTED
D.J.	DOUBLE JOIST	MIN.	MINIMUM	V.	VERTICAL
DWG.	DRAWING	MISC.	MISCELLANEOUS	VERT.	VERT.
DWL.	DOWEL	N.	NORTH	W.	WITH
EA.	EACH	N-S	NORTH-SOUTH	W/O	WITHOUT
E.E.	EACH END	N.T.S.	NOT TO SCALE	W.W.F.	WELDED WIRE FABRIC

NEW CONCRETE | EXISTING CONCRETE | NEW MASONRY | EXISTING MASONRY | SECTION CUT

SECTION MARK — SHEET ON WHICH SECTION IS SHOWN

MASONRY BEARING DETAILS

TYPICAL UNLESS OTHERWISE NOTED ON THE DRAWINGS.



DETAIL MB1 — STEEL BEAMS LIGHTER THAN 23LBS./FT. AND SHORT SPAN JOISTS.

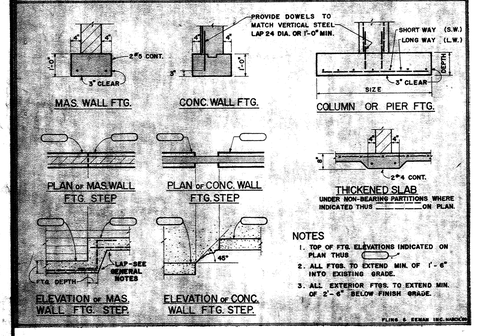
DETAIL MB2 — STEEL BEAMS HEAVIER THAN 23LBS./FT., TRUSSES AND LONG SPAN JOISTS

DETAIL MB3 — BEAMS BEARING AT JAMBS AND CORNERS

ALL DIMENSIONS SHOWN ARE MINIMUM.
LINTELS LISTED IN LINTEL SCHEDULE DO NOT REQUIRE SOLID UNIT BEARING UNLESS NOTED.
FILL WITH MORTAR, THE FIRST COURSE OF HOLLOW MASONRY UNITS IMMEDIATELY UNDER BEARING OF SCHEDULED BEAM LINTELS.
IN WALLS CONSTRUCTED OF STRUCTURAL CLAY TILE, USE VERTICALLY CORED UNITS IN LIEU OF SOLID UNITS INDICATED.

FLING & EEMAN INC. 8/1/68

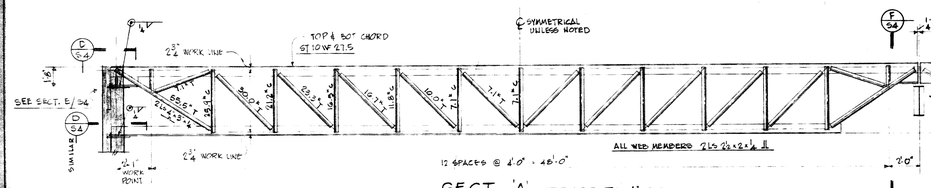
FOOTING DETAILS
(TYPICAL UNLESS OTHERWISE NOTED)



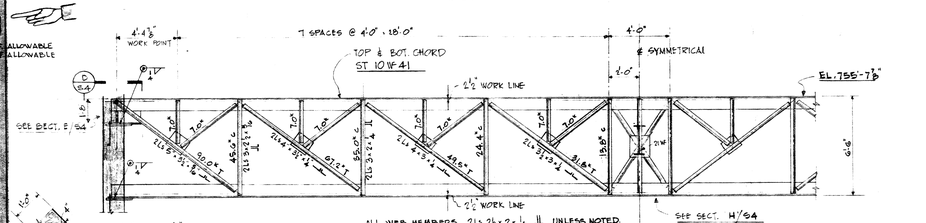
NOTES
1. TOP OF FTG. ELEVATIONS INDICATED ON PLAN THUS ____
2. ALL FTGS. TO EXTEND MIN. OF 1'-6" INTO EXISTING GRADE.
3. ALL EXTERIOR FTGS. TO EXTEND MIN. OF 2'-6" BELOW FINISH GRADE.

FLING & EEMAN INC. MARCH 68

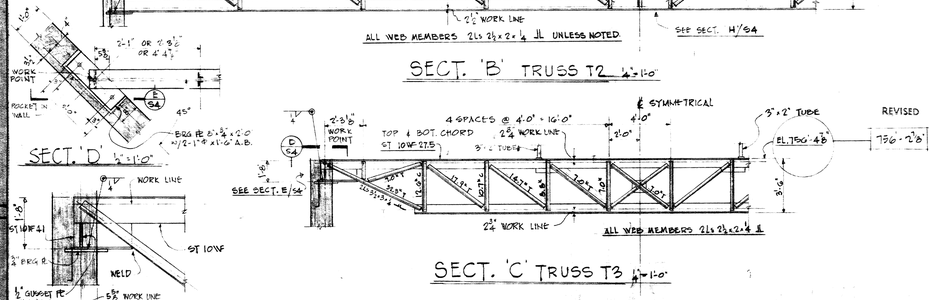
TRUSS NOTES:
1. END CONNECTIONS FOR WEB MEMBERS TO HAVE CAPACITY SHOWN ON ELEVATIONS. (MIN. 7.0^k)
2. ALL WEB MEMBERS TO BE 2L 2½ x 2 x ¼ LL UNLESS NOTED.
3. TRUSSES ARE DESIGNED TO BE FABRICATED IN ONE PIECE, HOWEVER FABRICATOR, AT HIS OPTION, MAY DESIGN BOLTED SPLICES TO BE APPROVED BY STRUCTURAL ENGINEER.
4. SHOP WELDED SPLICES IN CHORDS ARE TO DEVELOPE FULL CAPACITY OF THE MEMBER AND SHALL BE X-RAYED BY AN APPROVED LABORATORY AT THE FABRICATORS EXPENSE. GRIND SUCH SPLICE WELDS FLUSH.
5. ADD GUSSET PLS AS REQUIRED TO STEM OF TEES FOR SUFFICIENT WELD OF WEB MEMBERS.
6. ADD SPACER BARS AT MIDLENGTH OF ALL WEB MEMBERS.



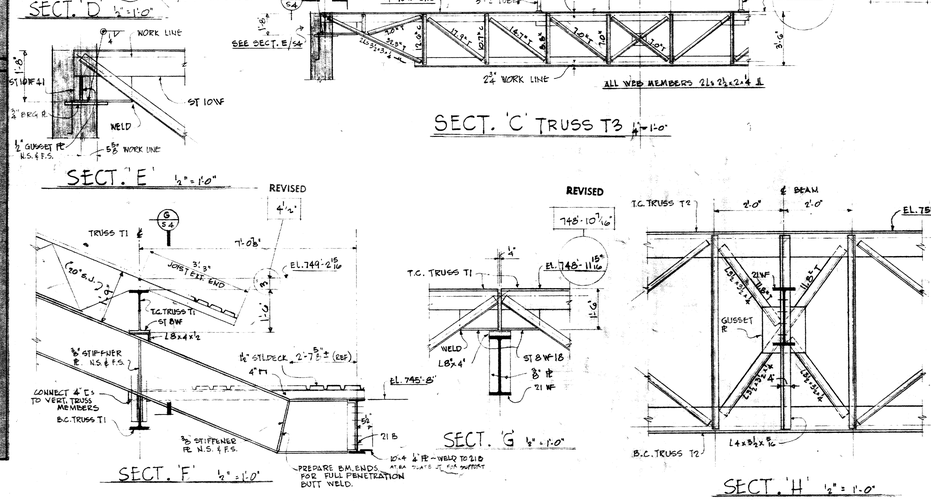
SECT. 'A' TRUSS T1 ½"=1'-0"



SECT. 'B' TRUSS T2 ½"=1'-0"



SECT. 'C' TRUSS T3 ½"=1'-0"

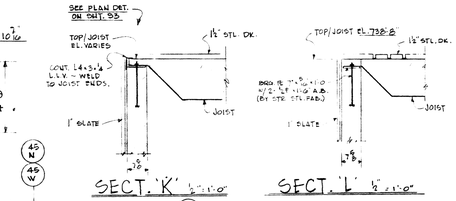


SECT. 'D' ½"=1'-0"

SECT. 'F' ½"=1'-0"

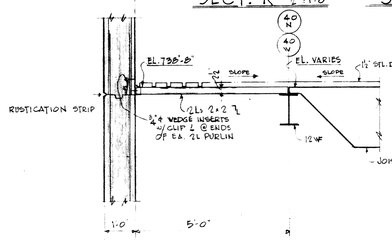
SECT. 'G' ½"=1'-0"

SECT. 'H' ½"=1'-0"

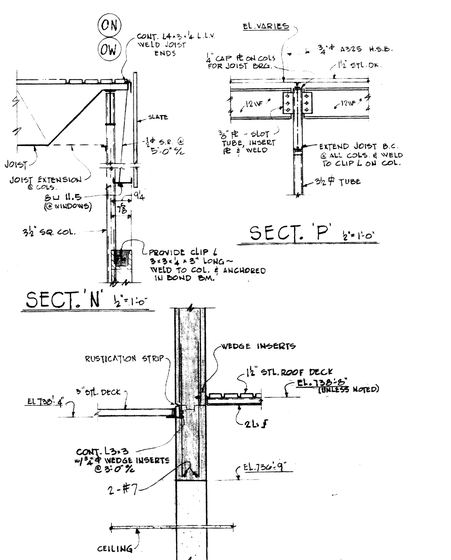


SECT. 'K' ½"=1'-0"

SECT. 'L' ½"=1'-0"



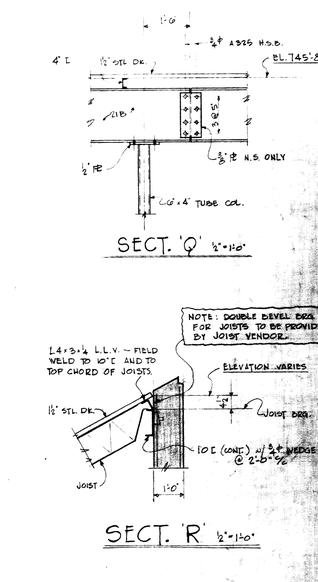
SECT. 'M' ½"=1'-0"



SECT. 'N' ½"=1'-0"

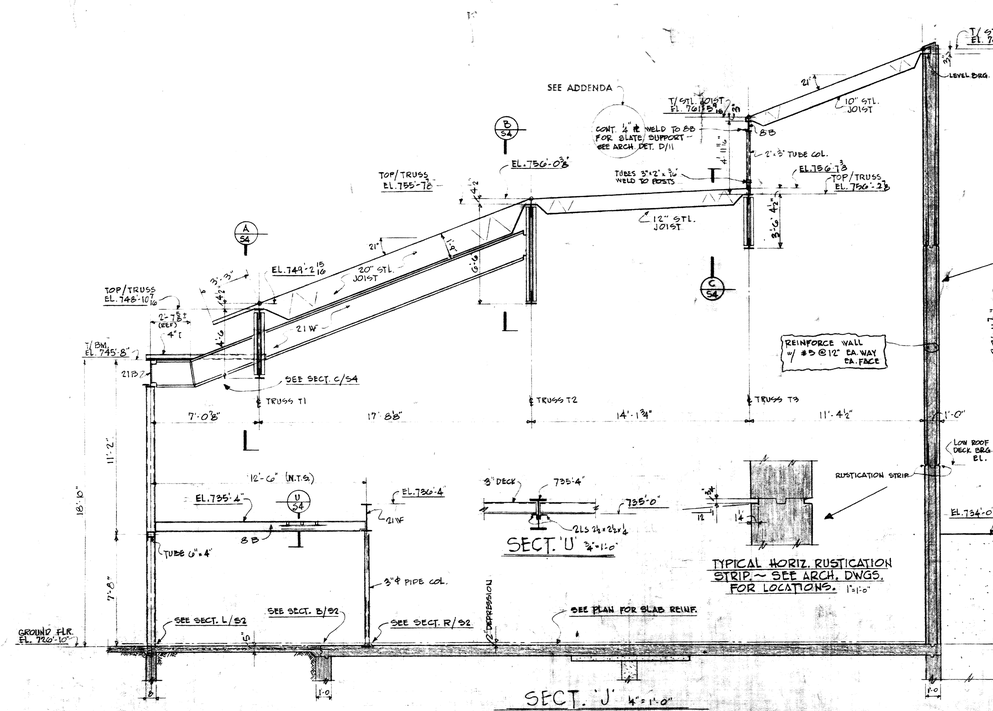
SECT. 'P' ½"=1'-0"

SECT. 'T' ½"=1'-0"



SECT. 'Q' ½"=1'-0"

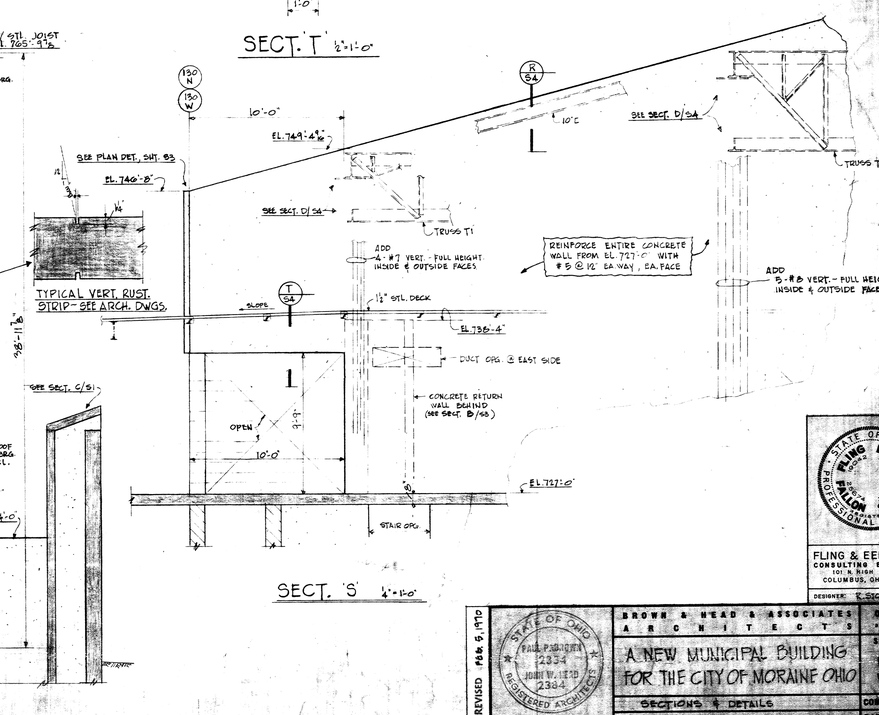
SECT. 'R' ½"=1'-0"



SECT. 'J' ¼"=1'-0"

TYPICAL HORIZ. RUSTICATION STRIP ~ SEE ARCH. DWGS. FOR LOCATIONS. ½"=1'-0"

SECT. 'U' ¾"=1'-0"



SECT. 'S' ¼"=1'-0"

LINTEL SCHEDULE

MK	DESCRIPTION	TYPE	MAS OPG.	WALL THK.	BRG L.S.	REMARKS
L1	2L's 3½x3½x5/16	JL	5'-4"	8"	8"	
L2	3L's do	JLL	9'-4"	12	8"	
L3	11WF27 w/PL 7½x¼	J	15'-5"	6"+VAR.	10"	SEE ARCH. SECT. 11/9
L4	2L's 3½x3½x¼	JL	5'-4"	8"	8"	
L5	2L's 4"x3½x¼	JL	6'-4"	8"	10"	
L6	10B11.5 w/PL 7¼x¼	J	10'-0"	8"	10"	CONNECT L6's
L7	10B11.5 w/PL 7½x⅛	J	5'-0"	8"	12"	TO TO L7
L8	2L's 3½x3½x¼	JL	3'-10"	8"	8"	
L9	L 5x3½x5/16 w/PL 9"x⅜"	L	4'-10"	8"	8"	SEE SECT. D/S3 & BACK SECT. 4/9

STATE OF OHIO — PAUL PASHUTA 2334 — JOHN W. LEE JR. 2384 — REGISTERED ARCHITECTS

REVISED 4/8, 5, 1970

FLING & EEMAN, INC.
CONSULTING ENGINEERS
101 N. HIGH STREET
COLUMBUS, OHIO ~ 43215

DESIGNED: R. STONE

BROWN & HEAD & ASSOCIATES
A R C H I T E C T S
OHIO #2314 & #2384

A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE OHIO

SECTIONS & DETAILS

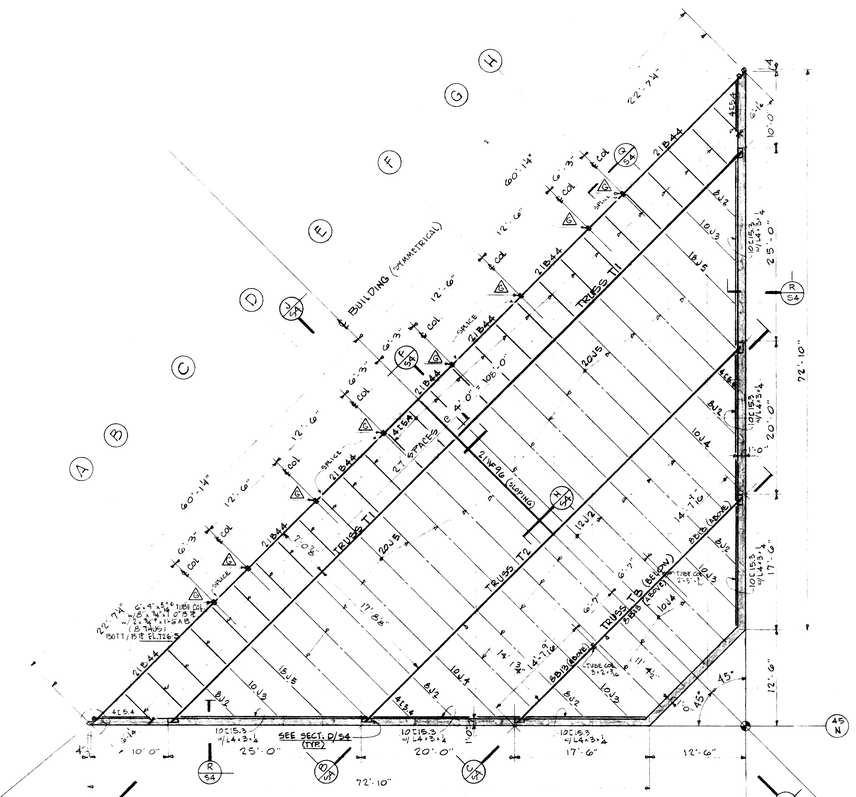
SHEET NO. 34

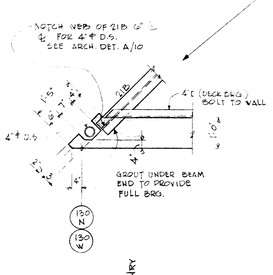
CONTR. # 68-425

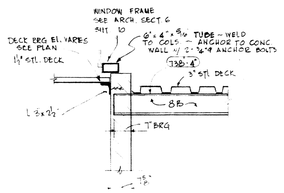
DATE: 2-24-69

HIGH ROOF FRAMING PLAN

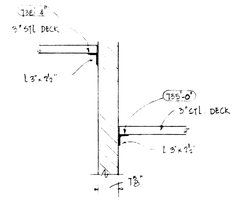
3/16" = 1'-0"



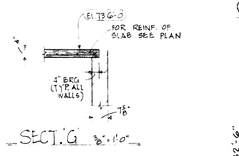




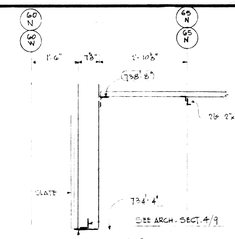
SECT. 'E' 1½" = 1'-0"



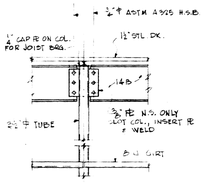
SECT. 'F' 1½" = 1'-0"



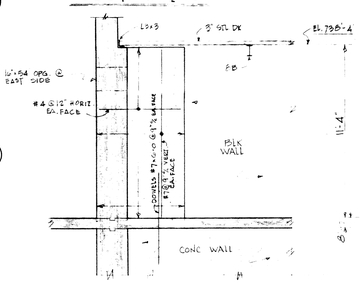
SECT. 'G' 3/8" = 1'-0"



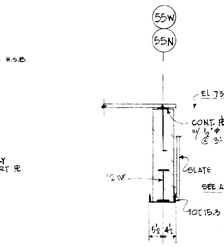
SECT. 'D' 1½" = 1'-0"



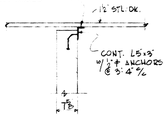
SECT. 'C' ½" = 1'-0"



SECT. 'B' 1" = 1'-0"



SECT. 'E' ½" = 1'-0"



SECT. 'A' ½" = 1'-0"

LOW ROOF FRAMING PLAN

3/8" = 1'-0"

NOTES: (LOW ROOF)

1. Top / JOIST OR DECK BRG. EL. @ ENTIRE PERIMETER TO BE @ EL. 738'-8" UNLESS NOTED.
2. ( ) INDICATES TOP / JOIST OR DECK BRG. EL. SLOPE ROOF UNIFORMLY BETWEEN ELEVATIONS GIVEN.
3. ⟹ INDICATES ROOF SLOPE DOWNWARD.
4. BEAMS SUPPORTING JOISTS TO BE -2½" FROM TOP / JOISTS.
5. ENTIRE ROOF AREA TO BE 1½"-20 GA. STEEL DECK MIN. I = .12"⁴ MIN. S = .15"³
6. ROOF OPENINGS, UNLESS NOTED, TO BE FRAMED w/ L3.5x3.5x¼. VERIFY EXACT SIZES & LOCATIONS w/ MECH. CONTRACTOR

STATE OF OHIO — FLING EEMAN — REGISTERED PROFESSIONAL ENGINEER

FLING & EEMAN, INC.
STRUCTURAL ENGINEERS
101 N. HIGH STREET
COLUMBUS, OHIO - 43215
DESIGNER: R. STOLZ

STATE OF OHIO — PAUL P. BROWN — 2334 — REGISTERED ARCHITECT

BROWN & HEAD & ASSOCIATES
A R C H I T E C T S
OHIO #2334 & #2364

A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE OHIO

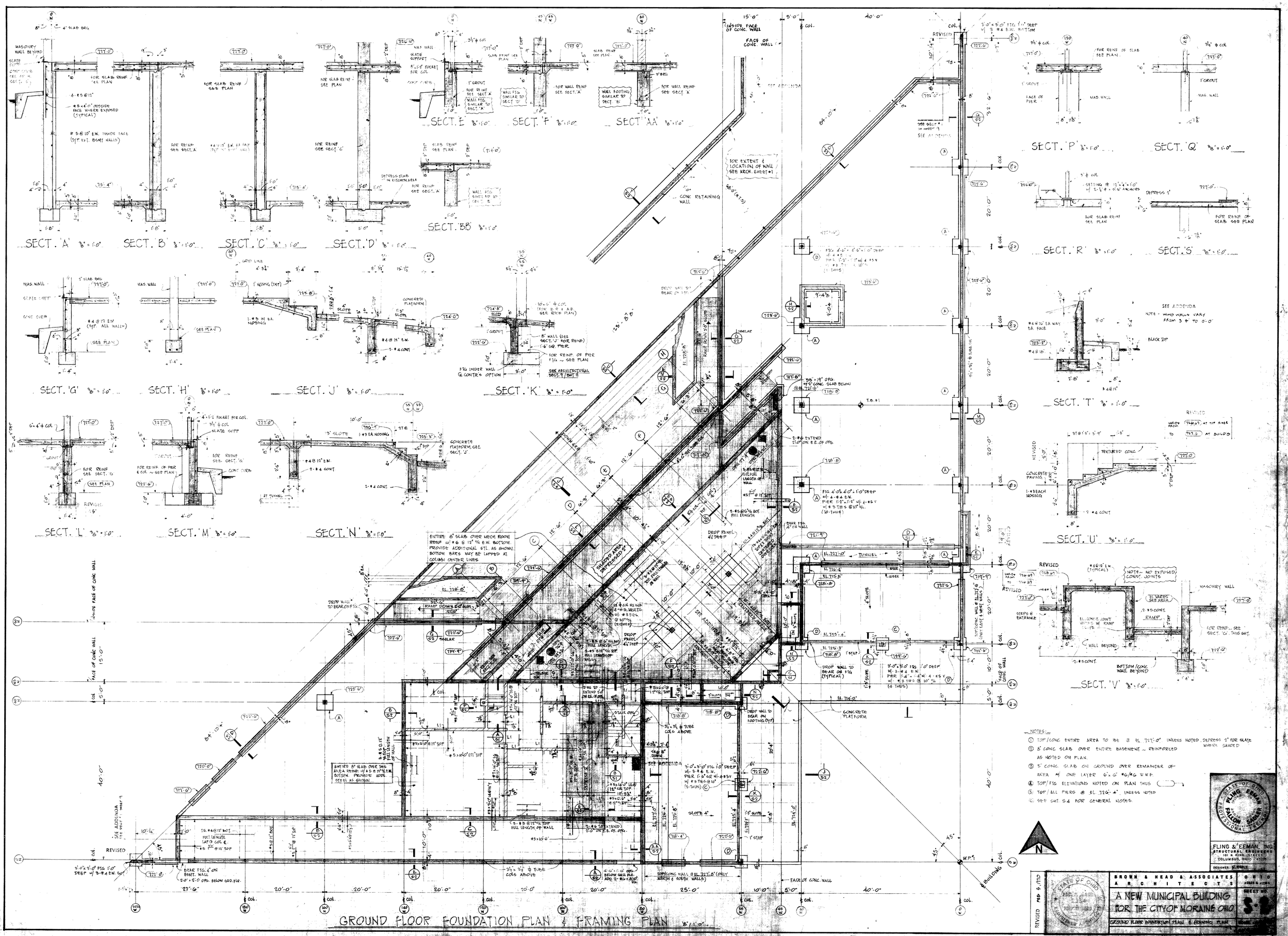
LOW ROOF FRAMING PLAN

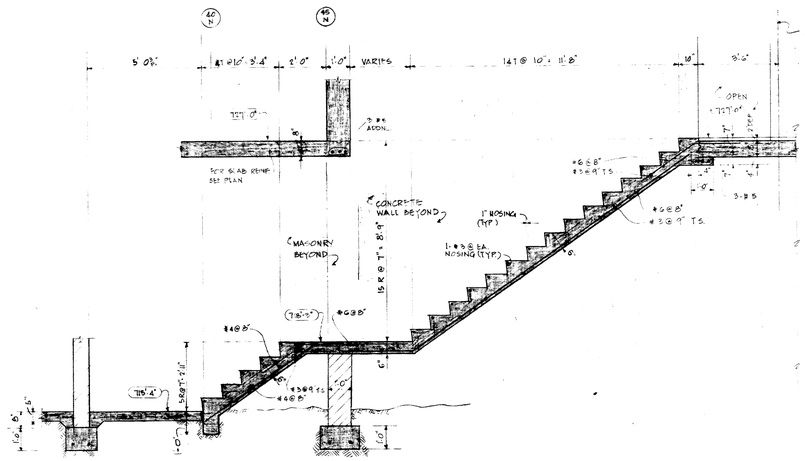
SHEET NO. S13

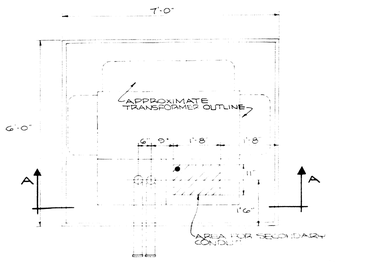
COMM. 2-0-0-73

DATE: 4-23-74

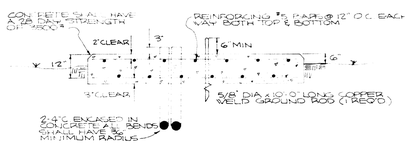
REVISED 5-9-1974


SECT. 'A' 3/8" = 1'-0"
SECT. 'B' 3/8" = 1'-0"
SECT. 'C' 3/8" = 1'-0"
SECT. 'D' 3/8" = 1'-0"
SECT. 'E' 3/8" = 1'-0"
SECT. 'F' 3/8" = 1'-0"
SECT. 'AA' 3/8" = 1'-0"
SECT. 'BB' 3/8" = 1'-0"
SECT. 'G' 3/8" = 1'-0"
SECT. 'H' 3/8" = 1'-0"
SECT. 'J' 3/8" = 1'-0"
SECT. 'K' 3/8" = 1'-0"
SECT. 'L' 3/8" = 1'-0"
SECT. 'M' 3/8" = 1'-0"
SECT. 'N' 3/8" = 1'-0"
SECT. 'P' 3/8" = 1'-0"
SECT. 'Q' 3/8" = 1'-0"
SECT. 'R' 3/8" = 1'-0"
SECT. 'S' 3/8" = 1'-0"
SECT. 'T' 3/8" = 1'-0"
SECT. 'U' 3/8" = 1'-0"
SECT. 'V' 3/8" = 1'-0"
GROUND FLOOR FOUNDATION PLAN & FRAMING PLAN 3/8" = 1'-0"
NOTES:
① TOP/CONC ENTIRE AREA TO BE @ EL. 727'-0" UNLESS NOTED. DEPRESS 2" FOR SLATE WHERE SHADED
② 8" CONC SLAB OVER ENTIRE BASEMENT ~ REINFORCED AS NOTED ON PLAN.
③ 5" CONC. SLAB ON GROUND OVER REMAINDER OF AREA W/ ONE LAYER 6"x6" #6/#6 W.W.F.
④ TOP/FTG ELEVATIONS NOTED ON PLAN THUS
⑤ TOP/ALL PIERS @ EL. 726'-4", UNLESS NOTED
⑥ SEE SHT. S4 FOR GENERAL NOTES.
FLING & EEMAN, INC.
STRUCTURAL ENGINEERS
101 N. HIGH STREET
COLUMBUS, OHIO 43215
DESIGNER: R. GOLTZ
BROWN & HEAD & ASSOCIATES
ARCHITECTS
OHIO
A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE OHIO
SHEET NO. S-3
GROUND FLOOR FOUNDATION PLAN & FRAMING PLAN
REVISED FEB 5, 1970


WORK LINE (SEE ARCH. STEEL ON SHT. S3.)
5'-0"
4T @ 10" = 3'-4"
2'-0"
1'-0" VARIES
14T @ 10" = 11'-8"
1'-0"
3'-0"
OPEN
727'-0"
2'-0" ADJ.
5" T.S. SLAB REINF. SEE PLAN
#6 @ 8" #3 @ 9" T.S.
CONCRETE WALL BEYOND
1" NOSING (TYP.)
MASONRY BEYOND
15 R @ 7" = 8'-9"
L #3 @ EA NOSING (TYP.)
#6 @ 8"
#3 @ 9" T.S.
#6 @ 8"
#4 @ 8"
#3 @ 9" T.S.
#6 @ 8"
715'-4"
5'-8½"
1'-0"
1'-0"
1'-0

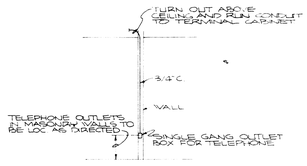


PLAN



SECTION AA

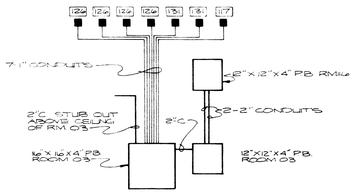
TRANSFORMER PAD
DETAIL E2-1
SCALE 1/2" = 1'-0"



TYPICAL TELEPHONE OUTLET
DETAIL E2-2
NO SCALE

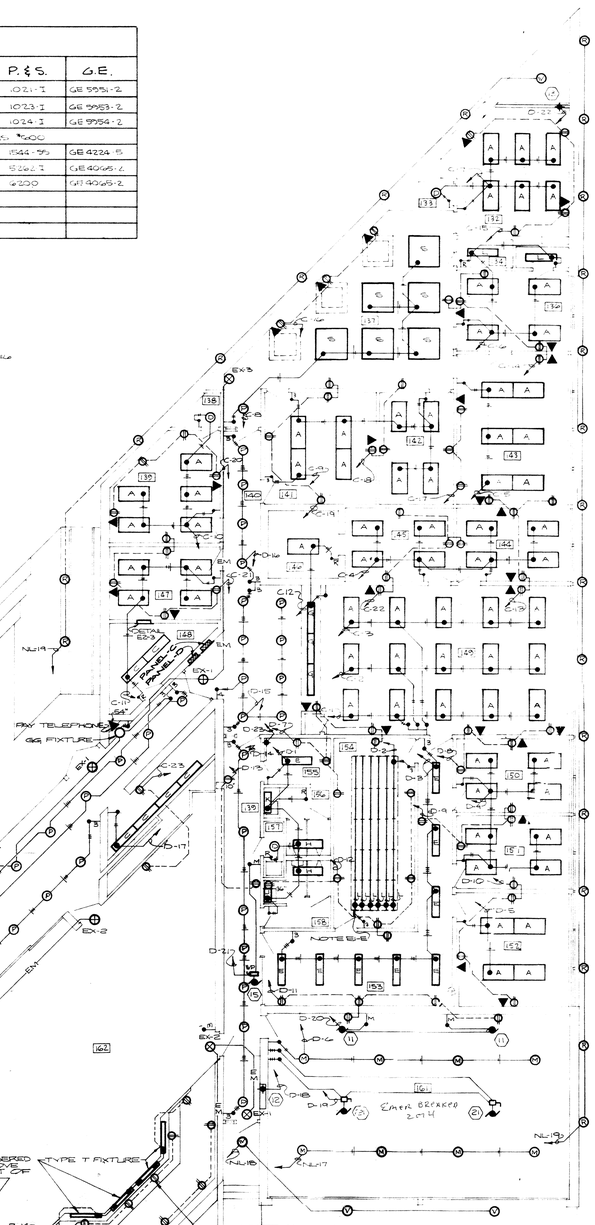
DEVICE SCHEDULE

SYMBOL	DEVICE	ARROW HART	HUBBELL	P. & S.	G.E.
	GENERAL PURPOSE 20A 1-POLE A.C. SWITCH	1991-I	1221-I	1021-I	GE 5951-2
$_{3}$	GENERAL PURPOSE 20A 3-WAY A.C. SWITCH	1993-I	1223-I	1023-I	GE 5953-2
$_{4}$	GENERAL PURPOSE 20A 4-WAY A.C. SWITCH	1994-I	1224-I	1024-I	GE 5954-2
$_{1/2}$	FRACTIONAL HORSEPOWER FLUSH MANUAL STARTING SWITCH PILOT LIGHT	ALLEN BRADLEY SERIES 600			
	15A 120 VOLT 1Φ FLUSH DUPLEX HANDLE OUTLET	7707	1708	1544-59	GE 4224-5
	15A 120 VOLT 1Φ DUPLEX CONVENIENCE OUTLET	5262-I	5362-I	5262-I	GE 4906S-2
WP	15A 120 VOLT 1Φ DUPLEX WEATHERPROOF CONVENIENCE OUTLET	5242-WP	5.214	6200	GE 4906S-2



T.V. MONITORING SYSTEM
CONDUIT DIAGRAM
DETAIL E2-4
NO SCALE

UPPER PART OF ROOM 162
SCALE 1/8"=1'-0"



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

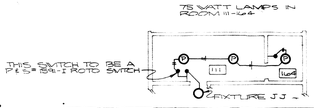
NOTES

E2-A FURNISH AND INSTALL SOLENOID VALVE CONTROLS AT FLUSH VALVES AND FAUCETS INDICATED. INSTALL TO CONTROL ONLY HOT WATER LINES SERVING ROOMS 162 AND 163. CONNECT TO 120 VOLT CIRCUIT SERVING ROOM 162. WITH RED NEAR PILOT LIGHT TO INDICATE WHEN VALVE IS IN CLOSED POSITION.

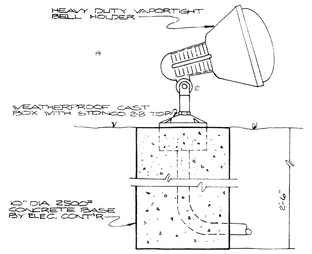
E2-B PROVIDE 4"X4" OUTLET BOX WITH BLANK PLATE AT A POINT 18" BELOW FINISHED CEILING FOR FUTURE TV MONITOR. PROVIDE DUPLEX RECEPTACLE AND 1" SIDE OF TV OUTLET TO A 4"X4"X4" PULL BOX IN ROOM 03 (SEE DETAIL E2-4)

E2-C THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL TWO (2) EASY HEAT EK-240 208-240 WATT ELECTRIC HEAT PANELS W/TREBAL THERMOSTAT. INSTALL ONE ON EACH OF THE SUPPLY AND RETURN WATER LINES AT THE AIR COOLED SHUTTER. THE HVAC CONTRACTOR WILL PROVIDE INSTALLATION AFTER HEATING CABLE IS INSTALLED (SEE SHEET P1 FOR LOCATION OF CHILLER).

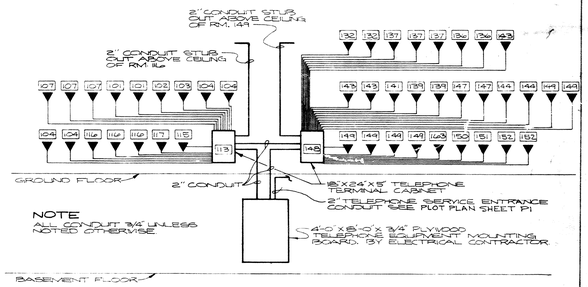
E2-D FURNISH AND INSTALL 3-L SURFACE MOUNTED 3M MODEL #EH-3024 3'X24" FOOT HEATING PANELS TO BE CONTROLLED BY A EH 9388B 3M THERMOSTAT.



PARTIAL PLAN



FIXTURE "EE" MOUNTING
DETAIL E2-5
NO SCALE



NOTE
ALL CONDUIT 3/4" UNLESS NOTED OTHERWISE

TELEPHONE SYSTEM CONDUIT DIAGRAM
DETAIL E2-3
NO SCALE

LEGEND ELECTRICAL

- CONDUIT CONCEALED IN CEILING OR WALL WHEREVER POSSIBLE
- CONDUIT CONCEALED IN OR RECESSED FLOOR
- INDICATES NUMBER OF CONDUCTORS IN CONDUIT. IF NO SLASH, 2 CONDUCTORS ARE TO BE RUN. WHERE MORE THAN 2 ARE SHOWN, A SLASH WITH ARROW INTERSECTS CONDUIT AND THE NUMBER ADJACENT INDICATES THE NUMBER OF CONDUCTORS. NUMBER OF CONDUCTORS SHALL BE AS REQUIRED BY CODE. MINIMUM SIZE OF CONDUCTORS SHALL BE #12 AWG. WHERE NO SIZE IS INDICATED, CONDUCTORS SHALL BE #12 AWG.
- HOMERUN TO PANELBOARD, SHOWING CIRCUIT DESIGNATION, INDICATING CONCEALED CONDUIT AND CIRCUIT BREAKER NUMBER IN PANELBOARD. ARROW INDICATES PANELBOARD
- EACH ARROW INDICATES AN OUTLET OR FIXTURE
- ELECTRICAL CONNECTION REQUIRED
- FLUORESCENT LIGHTING FIXTURE
- INCANDESCENT LIGHTING FIXTURE
- EXIT LIGHTING FIXTURE
- GENERAL PURPOSE 1-POLE SWITCH - 54"
- GENERAL PURPOSE 3-WAY SWITCH - 54"
- GENERAL PURPOSE 20 AMP, 120 VOLT, DUPLEX RECEPTACLE, 2-POLE AND GROUND, 3-WIRE GROUNDING TYPE - 18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED
- SPECIAL PURPOSE OUTLET, FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, AS PART OF EQUIPMENT ASSEMBLY - 54"
- 120 VOLT, 1Φ, 20 AMP GFI CONVENIENCE OUTLET - 18"
- 120 VOLT, 1Φ FLUSH WALL OUTLET - 10"
- TELEPHONE FLUSH WALL OUTLET - 18"
- CLOCK HANGER OUTLET
- ELECTRIC MOTOR CONNECTION
- ELECTRIC THERMOSTAT - 60"
- ELECTRIC PANELBOARD
- DISCONNECT SWITCH
- MOTOR STARTER - SEE MOTOR SCHEDULE
- REFERENCE TO MOTOR SCHEDULE (SHEET E-)
- ROOM NUMBER DESIGNATION
- MOUNTING HEIGHT DESIGNATION IN INCHES ABOVE FINISHED FLOOR UNLESS NOTED ON DRAWING. SUPERSEDES STANDARD MOUNTING HEIGHT IN LEGEND.
- HORSEPOWER
- WEATHERPROOF
- CONDUIT
- ALARM SYSTEM MICROPHONE
- ALARM SYSTEM HORN
- PLUG IN STRIP, 120 V, 1Φ, BULLDOG ELECTROSTRIP W/EE 2 OUTLETS, 18" O.C.
- FLUSH FLOOR CONVENIENCE OUTLET
- FLUSH FLOOR TELEPHONE OUTLET
- 600 WATT WALL MOUNT PUSH-PB ELECTRONIC DIMMER
- ELECTRIC DOOR LATCH CONTROL LOCATIONS
- DOOR BELL TRANSFORMER
- DOOR BUZZER
- OVERHEAD DOOR CONTROLLER FURNISHED BY OTHERS INSTALLED BY ELECTRICAL CONTRACTOR

STATE OF OHIO
R. R. HELMIG 18972
T. D. LIENESCH 17909
E. E. GOESCH 20762
REGISTERED PROFESSIONAL ENGINEERS
HELMIG LIENESCH AND ASSOCIATES
CONSULTING ENGINEERS

STATE OF OHIO
PAUL D. BROWN 4235
BRUCE A. HEAD 4236
REGISTERED ARCHITECT

BROWN & HEAD & ASSOCIATES
A R C H I T E C T S
A NEW MUNICIPAL BUILDING FOR THE CITY OF MORAINE OHIO
GROUND FLOOR PLAN
O H I O
#2334 & #2361
SHEET NO. E2
COMM. #2036
DATE: 7/22/75

CODE INFORMATION

USE GROUPS (MIXED USE,NON-SEPARATED)	B, S-2 (GROUP 2 GARAGE)
TYPE OF CONSTRUCTION	3B
AREAS	
EXISTING MAIN LEVEL	16,438 S.F.
POLICE MAIN LEVEL	5,068 S.F.
ADMIN MAIN LEVEL	5,068 S.F.
NEW TOTAL MAIN LEVEL	26,574 S.F.
EXISTING BASEMENT LEVEL	6,030 S.F.
NEW POLICE BASEMENT	5,068 S.F.
NEW TOTAL BASEMENT AREA	11,098 S.F.
NEW TOTAL GROSS BUILDING AREA	37,672 S.F
ALLOWABLE AREA	14,400 S.F.
150% AREA INCREASE - FIRE LANE	21,600 S.F.
200% AREA INCREASE - SPRINKLERS	28,800 S.F.
TOTAL ALLOWABLE AREA	64,800 S.F.

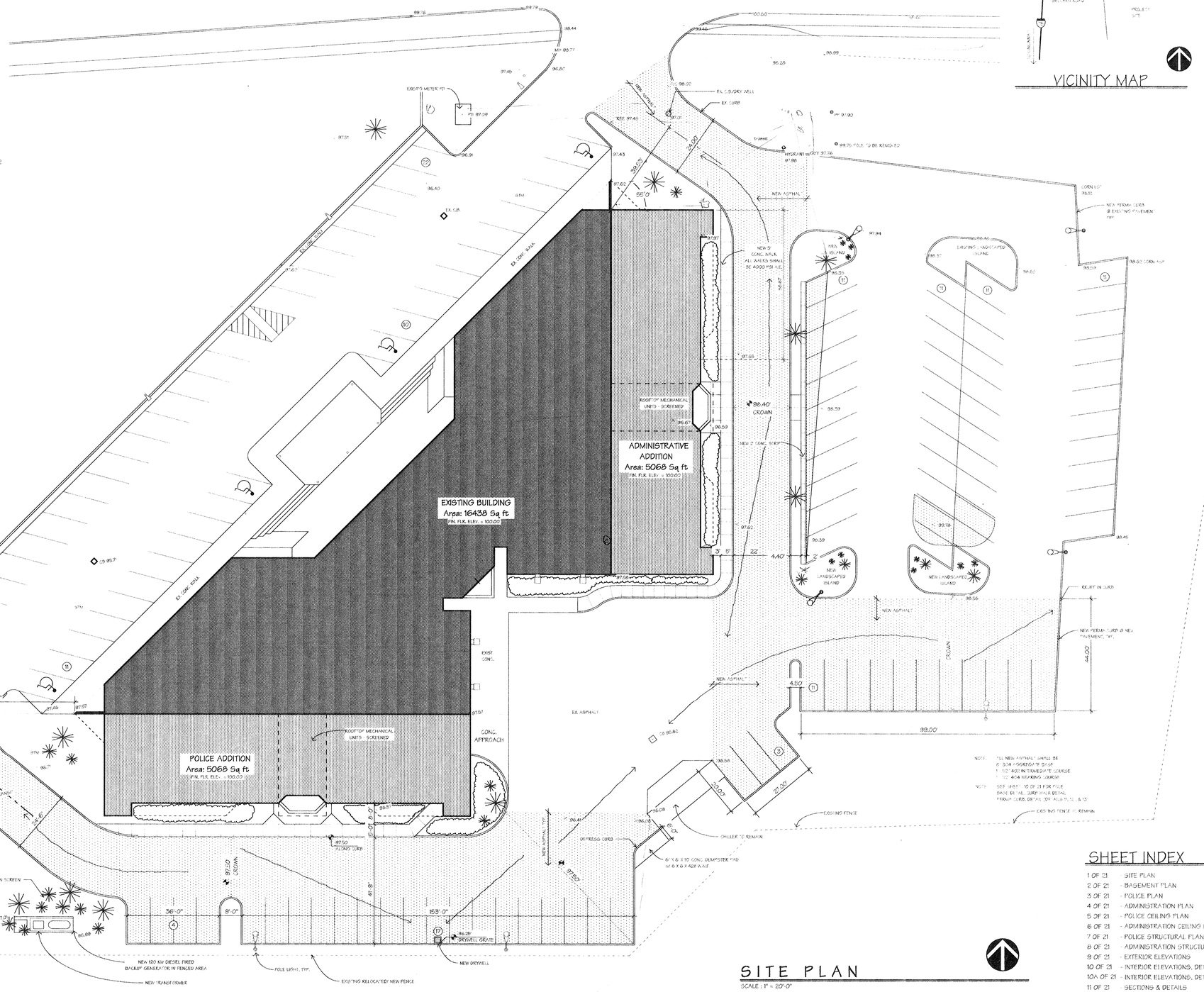
NOTE: IT IS INTENDED THAT THE ENTIRE EXISTING BUILDING WILL BE SPRINKLED, AS A PART OF THE PHASE 2 RENOVATION WORK (NOT INCLUDED IN THIS CONTRACT)

MIN. FIRE RESISTANCE RATINGS	
EXTERIOR WALLS	2 HR.
ELEVATOR SHAFT	1 HR.
STAIR SHAFT	1 HR.
STORAGE ROOMS	SMOKE PARTITION + SPRINKLED
FURNACE ROOMS	SMOKE PARTITION + SPRINKLED

INTERIOR FINISH REQUIREMENTS		
WALLS/CEILINGS		
REQ. VERT. EXITS/PASSAGE WAYS		CLASS I
EXIT ACCESS CORRIDORS		CLASS II
ROOMS		CLASS III
(CLASS II MIN. IN BASEMENT AREA)		
FLOORING		CLASS II

STRUCTURAL LOADING	
FLOOR LIVE LOAD	100 P.S.F.
ROOF LIVE LOAD	20 P.S.F.
GROUND SNOW LOAD	25 P.S.F.
WIND LOAD	80 M.P.H. WIND SPEED / 1.2 IMPORTANCE FACTOR
EARTHQUAKE	SEISMIC HAZARD EXPOSURE GROUP 3 PERFORMANCE CATEGORY C
OCCUPANT LOAD (BASED ON ENTIRE BUILDING, B USE)	377 OCCUPANTS

SELLARS ROAD



DRYDEN ROAD

SITE PLAN

SCALE : 1" = 20'-0"

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21 OF 21	- ADMINISTRATIVE ELECTRICAL PLAN - LIGHTING

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PROPOSED ADDITION FOR THE CITY OF MORAINE
LOCATED AT 4200 DRYDEN ROAD MORAINE, OHIO 45439

STATE OF OHIO · JOHN C. COOKE · 7179 · REGISTERED ARCHITECT

1 OF 21
SHEET NUMBER

8-12-98
DATE

98027
PROJECT NUMBER

WALL TYPES LEGEND

A. ——— : EXISTING WALL TO REMAIN

B. ——— : EXISTING WALL TO REMAIN W/ 2-1/2" MTL. STUDS @ 24" O.C. TO 9'-0 AFF & 5/8" DRYWALL EACH SIDE, VAPOR BARRIER & INSULATION WHERE REQ'D.

C. ▨▨▨ : NEW INTERIOR WALL - 3-5/8" MTL. STUD @ 24" O.C. TO 9'-0" AFF W/ 5/8" DRY WALL EA. SIDES W/ FRICTION FIT 3-1/2" FIBER GLASS INSULATION

D. ——— : 8" CONCRETE BLOCK - 2 HR. F.R.

E. ——— : 8" CONCRETE BLOCK W/ TRUSS TYPE REINFORCING @ 16" O.C. HORIZ. CORES FILLED W/ INSULATION @ EXT. WALL 2-1/2" MTL. STUD FULL HT. TC DECK BATT INSULATION, V.APOR BARRIER (6 mil.) & 5/8" GYP. BOARD FULL HT. - SLATE EXTERIOR

F. ——— : 8" CONCRETE BLOCK W/ TRUSS TYPE REINFORCING @ 16" O.C. HORIZ. CORES FILLED W/ INSULATION @ EXT. WALL - 2 HR. F.R.

G. ——— : 7-5/8" OR 12" CONCRETE WALL

H. ——— : 7-5/8" OR 12" REINFORCED CONCRETE WALL W/ 2" Z FURRING @ 24" O.C., 2" POLYSTYRENE INSULATION, VAPOR BARRIER & 5/8" DRYWALL

J. ——— : 3-5/8" MTL. STUD @ 24" O.C. CONSTRUCTED TO 6'-6" AFF. PROVIDE TS 3-1/2" X 3-1/2" X 1/4" STEEL COLUMNS (2 @ 1/3 PTS.) BOLTED TO FLOOR

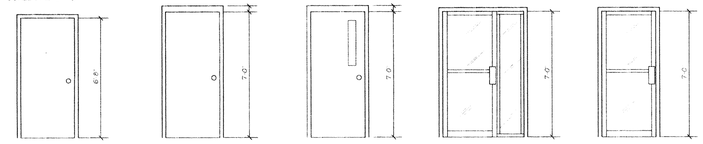
DOOR SCHEDULE

#	TYPE	SIZE	DR TYPE	FINISH	HARDWARE	FRM. TYPE	REMARKS
1	A	3068	WOOD	STAIN		HM	
2	A	3068	WOOD	STAIN		HM	
3	A	3068	WOOD	STAIN		HM	
4	A	3068	WOOD	STAIN		HM	
5	A	3068	WOOD	STAIN		HM	
6	A	3068	WOOD	STAIN		HM	
7	A	3068	WOOD	STAIN		HM	
8	A	3068	WOOD	STAIN		HM	
9	A	3068	WOOD	STAIN		HM	
10	A	3068	WOOD	STAIN		HM	
11	A	3068	WOOD	STAIN		HM	
12	A	3068	WOOD	STAIN		HM	
13	A	3068	WOOD	STAIN		HM	
14	A	3068	WOOD	STAIN		HM	
15	B	3070	WOOD	STAIN		HM	1 HR.
70	A	3068	WOOD	STAIN		HM	

HARDWARE GROUPS

DOOR ELEVATIONS

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



A. HOLLOW MTL FRAME 3068 WOOD DOOR

B. HOLLOW MTL FRAME W/ 4" HEAD 3072 1 HR RATED WOOD DOOR

C. HOLLOW MTL FRAME MTL. DOOR

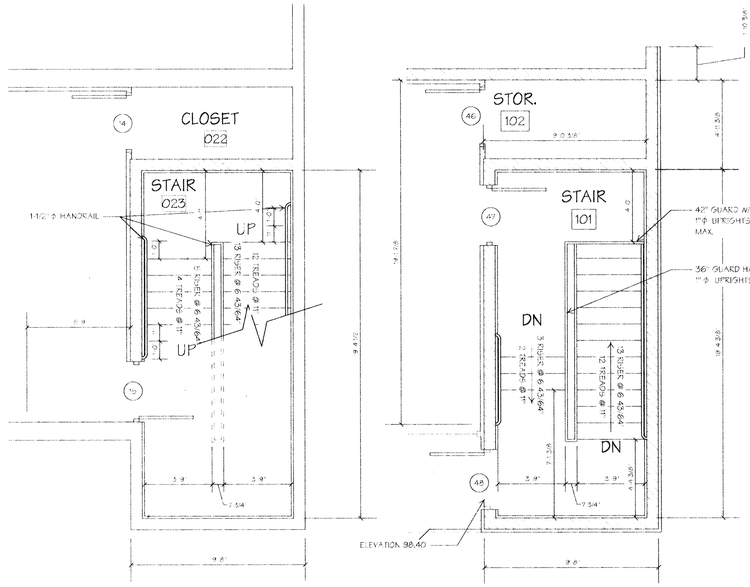
D. 1 3/4" X 4" AL. FRAME AL. DOOR W/ SIDE LIGHT 1/4" TEMPERED GLAZING

E. 2" X 4 1/2" AL. FRAME AL. DOOR W/ 1" INSULATING TEMPERED GLAZING

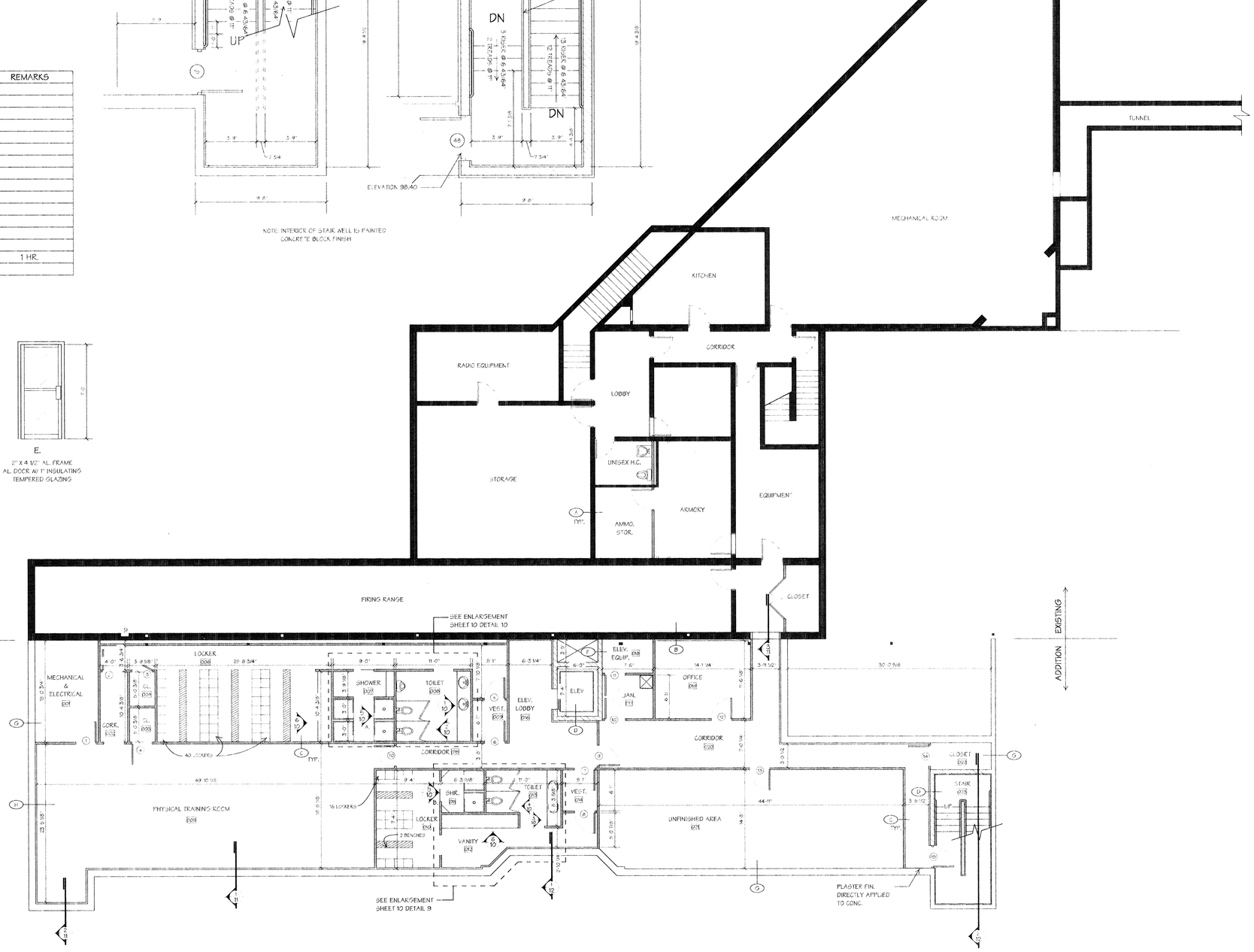
FINISH SCHEDULE

BASEMENT					
RM #	DESCRIPTION	WALLS	FLOORING	BASE	CEILING
001	MECHANICAL & ELECTRICAL ROOM	PAINT	CONC.	RUBBER BASE	NONE
002	CORRIDOR	PAINT	VCT	RUBBER BASE	ACT
003	CLOSET	PAINT	VCT	RUBBER BASE	ACT
004	CLOSET	PAINT	VCT	RUBBER BASE	ACT
005	PHYSICAL TRAINING ROOM	PAINT	VCT	RUBBER BASE	ACT
006	LOCKERS	PAINT	CARPET	RUBBER BASE	ACT
007	SHOWERS	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GYP.
008	TOILET	PAINT	CERAMIC TILE	CERAMIC TILE	GYP.
009	VEST.	PAINT	CARPET	RUBBER BASE	ACT
010	LOCKERS	PAINT	CARPET	RUBBER BASE	ACT
011	SHOWERS	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	DW
012	VANITY	PAINT	CARPET	RUBBER BASE	ACT
013	TOILET	PAINT	CERAMIC TILE	CERAMIC TILE	ACT
014	VEST.	PAINT	CARPET	RUBBER BASE	ACT
015	CORRIDOR	PAINT	CARPET	RUBBER BASE	ACT
016	ELEVATOR LOBBY	PAINT	CARPET	RUBBER BASE	ACT
017	JANITOR	PAINT	CONC.	RUBBER BASE	NONE
018	ELEVATOR EQUIPMENT	PAINT	CONC.	RUBBER BASE	NONE
019	OFFICE	PAINT	CARPET	RUBBER BASE	ACT
020	CORRIDOR	PAINT	CARPET	RUBBER BASE	ACT
021	UNFINISHED AREA	PAINT	NONE	NONE	NONE
022	CLOSET	PAINT	VCT	RUBBER BASE	ACT
023	STAIR	PAINT	CONC.		N/A

DW - DRYWALL
ACT - ACOUSTICAL CEILING TILE
VCT - VINYL COMPOSITE TILE



NOTE: INTERIOR OF STAIR WELL IS PAINTED CONCRETE BLOCK FINISH



BASEMENT PLAN

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

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DOOR SCHEDULE

#	TYPE	SIZE	DR TYPE	FINISH	HARDWARE	FRM. TYPE	REMARKS
16	D	3070	ALUM./ GLASS	ANOD. AL.		AL.	NO SIDE LIGHT
17	A	3068	WOOD	STAIN		HM	
18	A	3068	WOOD	STAIN		HM	
19	A	3068	WOOD	STAIN		HM	
20	A	3068	WOOD	STAIN		HM	
21	A	3068	WOOD	STAIN		HM	
22	D	3070	ALUM./ GLASS	ANOD. AL.		AL.	W/ SIDE LIGHT
23	A	3068	WOOD	STAIN		HM	
24	A	3068	WOOD	STAIN		HM	
25	A	3068	WOOD	STAIN		HM	
26	A	3068	WOOD	STAIN		HM	
27	A	3068	WOOD	STAIN		HM	
28	D	3070	ALUM./ GLASS	ANOD. AL.		AL.	W/ SIDE LIGHT
29	A	3068	WOOD	STAIN		HM	
30	A	3068	WOOD	STAIN		HM	
31	A	3068	WOOD	STAIN		HM	
32	A	3068	WOOD	STAIN		HM	
33	E	3070	ALUM./ GLASS	ANOD. AL.		AL.	1/4" GLAZING
34	E	3070	ALUM./ GLASS	ANOD. AL.		AL.	1" INSUL. GLAZING
35	D	3070	ALUM./ GLASS	ANOD. AL.		AL.	NO SIDE LIGHT
36	D	3070	ALUM./ GLASS	ANOD. AL.		AL.	W/ SIDE LIGHT
37	A	3068	WOOD	STAIN		HM	
38	A	3068	WOOD	STAIN		HM	
39	A	3068	WOOD	STAIN		HM	
40	A	3068	WOOD	STAIN		HM	
41	A	3068	WOOD	STAIN		HM	
42	A	3068	WOOD	STAIN		HM	
43	A	3068	WOOD	STAIN		HM	
44	A	3068	WOOD	STAIN		HM	
45	A	3068	WOOD	STAIN		HM	
46	A	3068	WOOD	STAIN		HM	
47	B	3070	WOOD	STAIN		HM	1 HR. F.R.
48	C	3070	ING. MTL.	PAINT		HM	5"X30" LIGHT
49	N/A	3070	HM	PAINT		HM	*SECURITY DOOR
69	-	10' X 12'	MTL.	MANF.		MTL.	HD OVERHEAD

SEE HARDWARE SCHEDULE

* 14 - GAUGE HOLLOW MTL. DOOR, 2" THICK W/ CENTERED VIEW WINDOW OF BR. GLASS
12 GAUGE FORMED METAL FRAME W/ FOLD OUT ANCHORS FOR MASONRY
SOUTHERN STEEL DEAD LOCK HARDWARE

FINISH SCHEDULE

POLICE WING					
RM #	DESCRIPTION	WALLS	FLOORING	BASE	CEILING
101	STAIR	PAINT	CONC.	NONE	ACT
102	STORAGE	PAINT	VCT	RUBBER BASE	ACT
103	BREAK	PAINT	CARPET	RUBBER BASE	ACT
104	SALLY PORT	PAINT	CONC.	NONE	UNFIN.
105	REPORT WRITING	PAINT	CARPET	RUBBER BASE	ACT
106	PATROL SGT.	PAINT	CARPET	RUBBER BASE	ACT
107	EVIDENCE	PAINT	CARPET	RUBBER BASE	ACT
108	PROCESS	PAINT	CARPET	RUBBER BASE	ACT
109	RECORDS	PAINT	CARPET	RUBBER BASE	DW/ACT
110	OBSERVE	PAINT	CARPET	RUBBER BASE	ACT
111	HARD INTERVIEW	PAINT	CARPET	RUBBER BASE	ACT
112	VESTIBULE	PAINT	QUARRY TILE	QUARRY TILE	DW/ACT
113	ELEVATOR LOBBY	PAINT	QUARRY TILE	QUARRY TILE	DW
114	CITIZEN INTERVIEW	PAINT	CARPET	RUBBER BASE	ACT
115	CITIZEN INTERVIEW	PAINT	CARPET	RUBBER BASE	ACT
116	MEN'S ROOM	PAINT	CERAMIC TILE	CERAMIC TILE	ACT
117	WOMEN'S ROOM	PAINT	CERAMIC TILE	CERAMIC TILE	ACT
118	PATROL SGT.	PAINT	CARPET	RUBBER BASE	ACT
119	PATROL SGT.	PAINT	CARPET	RUBBER BASE	ACT
120	PATROL SUPPORT	PAINT	CARPET	RUBBER BASE	ACT
121	PATROL SGT.	PAINT	CARPET	RUBBER BASE	ACT
122	CORRIDOR	PAINT	CARPET	RUBBER BASE	ACT
123	LT.	PAINT	CARPET	RUBBER BASE	ACT
124	LT.	PAINT	CARPET	RUBBER BASE	ACT
125	ROLL CALL	PAINT	CARPET	RUBBER BASE	ACT
126	FILE	PAINT	CARPET	RUBBER BASE	ACT
127	DEPUTY CHIEF	PAINT	CARPET	RUBBER BASE	ACT
128	CORRIDOR	PAINT	CARPET	RUBBER BASE	ACT

DW - DRYWALL
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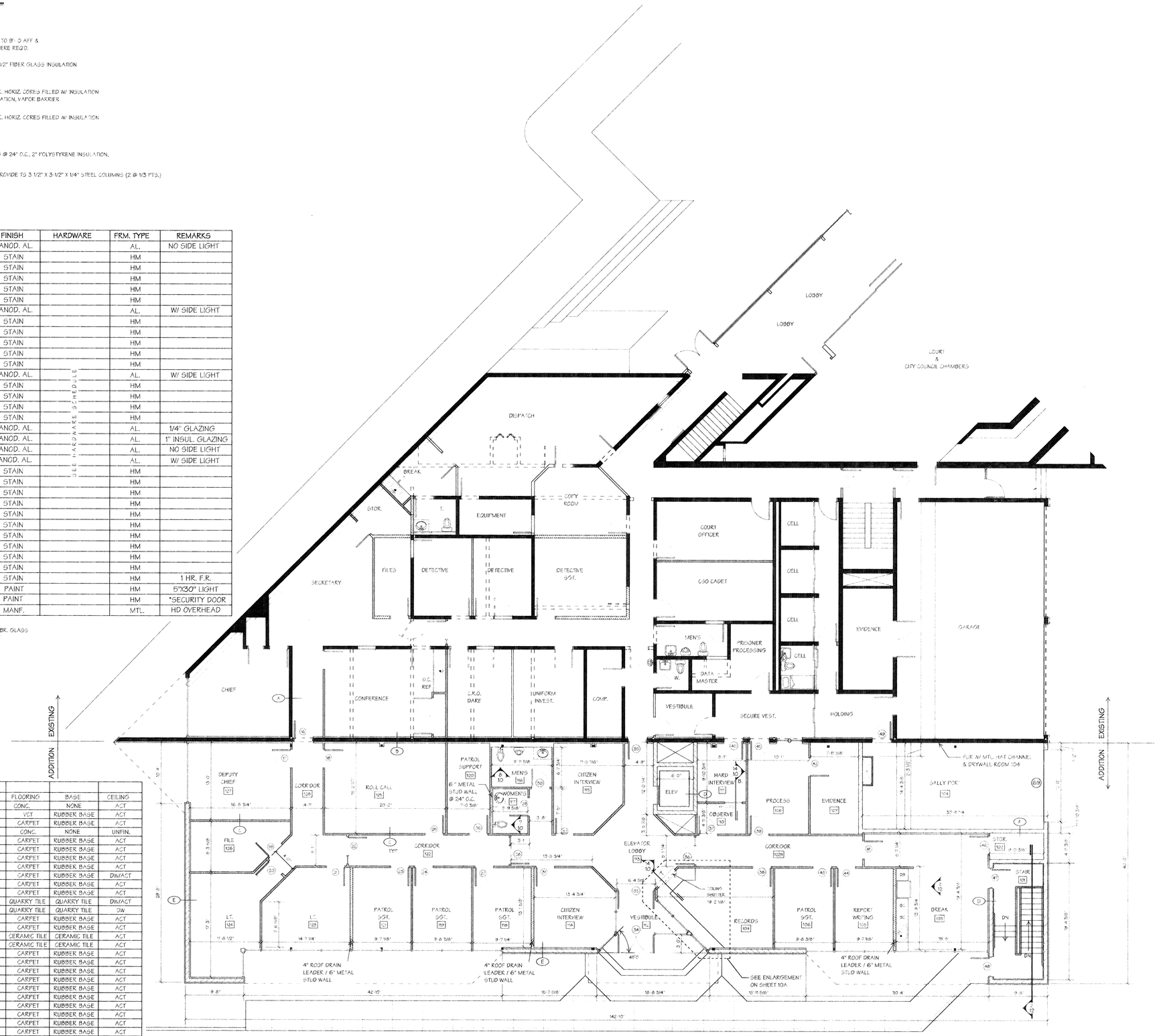

POLICE WING PLAN

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BRYDEN BUILDERS
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DOOR SCHEDULE

#	TYPE	SIZE	DR TYPE	FINISH	HARDWARE	FRM. TYPE	REMARKS
50	A	3068	WOOD	STAIN	SEE HARDWARE SCHEDULE	HM	
51	A	3068	WOOD	STAIN		HM	
52	A	3068	WOOD	STAIN		HM	
53	A	3068	WOOD	STAIN		HM	
54	A	3068	WOOD	STAIN		HM	
55	A	3068	WOOD	STAIN		HM	
56	A	3068	WOOD	STAIN		HM	
57	A	3068	WOOD	STAIN		HM	
58	A	3068	WOOD	STAIN		HM	
59	A	3068	WOOD	STAIN		HM	
60	D	3070	ALUM./GLASS	ANOD. AL.		AL.	W/ SIDE LIGHT
61	E	3070	ALUM./GLASS	ANOD. AL.		AL.	1/4" GLAZING
62	E	3070	ALUM./GLASS	ANOD. AL.		AL.	1" INSUL GLAZING
63	D	3070	ALUM./GLASS	ANOD. AL.		AL.	W/ SIDE LIGHT
64	A	3068	WOOD	STAIN		HM	
65	A	3068	WOOD	STAIN		HM	
66	A	3068	WOOD	STAIN		HM	
67	A	3068	WOOD	STAIN		HM	
68	A	3068	WOOD	STAIN		HM	

FINISH SCHEDULE

ADMINISTRATION WING					
RM #	DESCRIPTION	WALLS	FLOORING	BASE	CEILING
129	DEPUTY FINANCE DIRECTOR	PAINT	CARPET	RUBBER BASE	ACT
130	FINANCE DIRECTOR	PAINT	CARPET	RUBBER BASE	ACT
131	STORAGE	PAINT	VCT	RUBBER BASE	ACT
132	INCOME TAX ADMINISTRATOR	PAINT	CARPET	RUBBER BASE	ACT
133	CORRIDOR	PAINT	CARPET	RUBBER BASE	ACT
134	ACCOUNTING SUPERVISOR	PAINT	CARPET	RUBBER BASE	ACT
135	STORAGE/CONFERENCE	PAINT	CARPET	RUBBER BASE	ACT
136	FINANCE ASSISTANT	PAINT	CARPET	RUBBER BASE	ACT
137	FINANCE ASSISTANT	PAINT	CARPET	RUBBER BASE	ACT
138	COMPUTER	PAINT	CARPET	RUBBER BASE	ACT
139	FINANCE SECRETARY RECEPTION	PAINT	CARPET	RUBBER BASE	DW/ACT
139A	CLOSET	PAINT	VCT	RUBBER BASE	
140	LOBBY	PAINT	QUARRY TILE	QUARRY TILE	ACT
141	VEST.	PAINT	QUARRY TILE	QUARRY TILE	ACT
142	CONFERENCE	PAINT	CARPET	RUBBER BASE	ACT
143	PLANNING RECEPTION	PAINT	CARPET	RUBBER BASE	ACT
144	ZONING OFFICE	PAINT	CARPET	RUBBER BASE	DW/ACT
145	BUILDING OFFICE	PAINT	CARPET	RUBBER BASE	ACT
146	CITY PLANNER	PAINT	CARPET	RUBBER BASE	ACT
147	CITY ENGINEER	PAINT	CARPET	RUBBER BASE	ACT
148	OPEN OFFICE	PAINT	CARPET	RUBBER BASE	ACT
149	CORRIDOR	PAINT	CARPET	RUBBER BASE	DW/ACT

DW - DRYWALL
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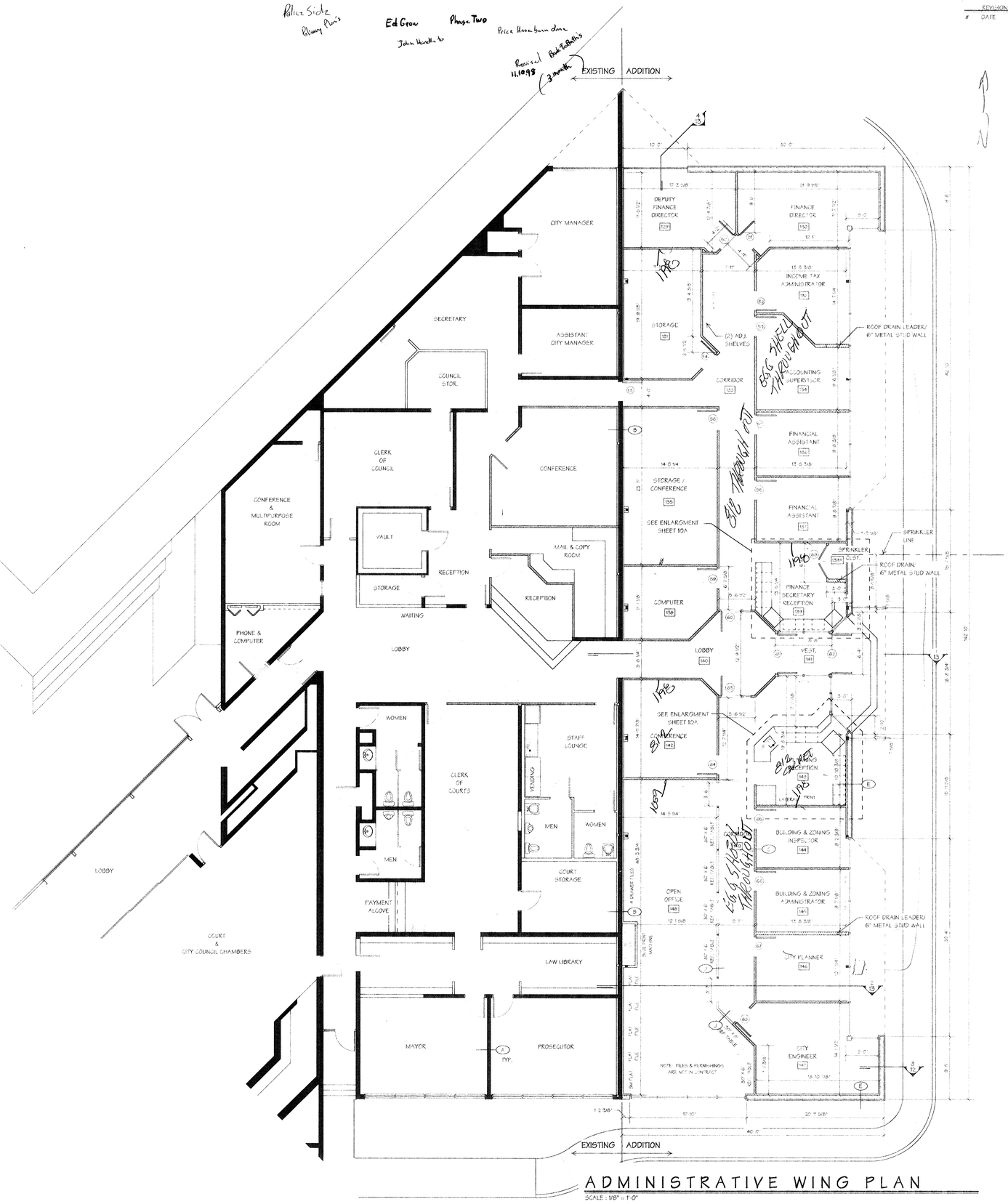

ADMINISTRATIVE WING PLAN

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

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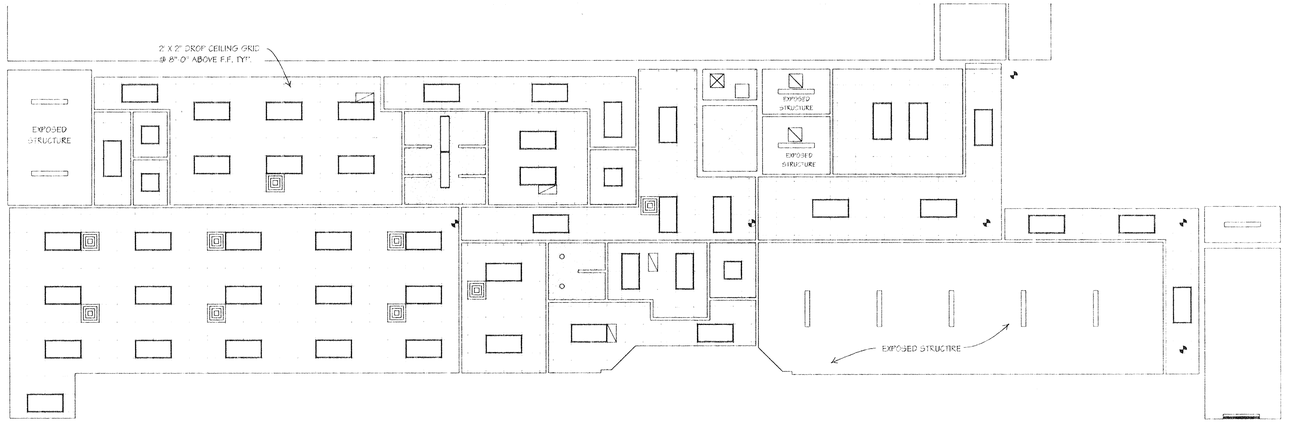
H. ——— 7-5/8" OR 12" REINFORCED CONCRETE WALL, W/ 2" Z FURRING @ 24" O.C., 2" POLYSTYRENE INSULATION, VAPOR BARRIER & 5/8" DRYWALL

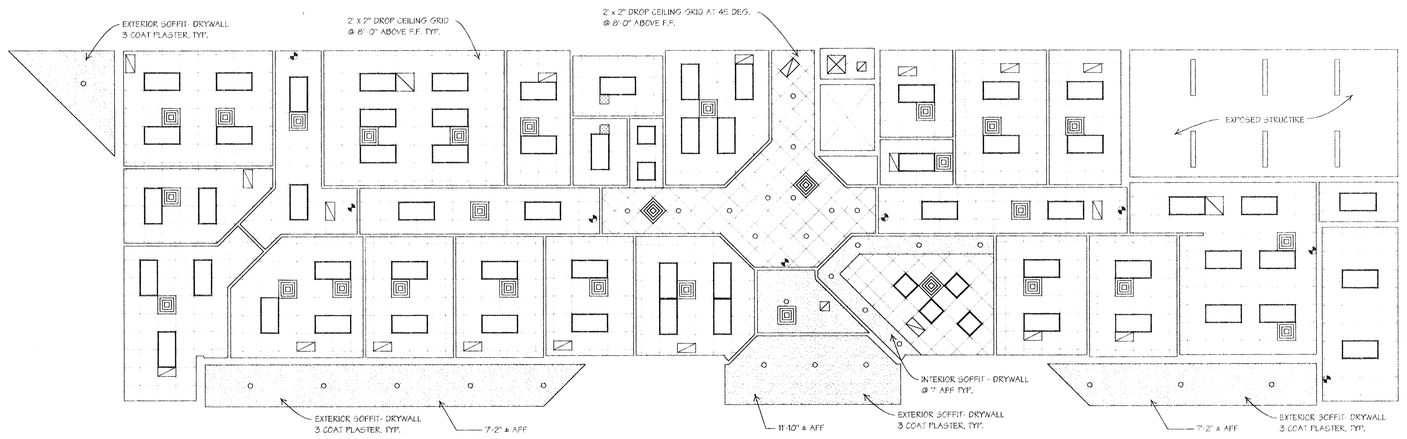
J. ——— 3 5/8" MTL. STUD @ 24" O.C. CONSTRUCTED TO 6'-6" AFF - PROVIDE TS 3 1/2" X 3-1/2" X 1/4" STEEL COLUMNS (2 @ 1/3 PTS.) BOLTED TO FLOOR



NOTE: 1. ALL CEILING HEIGHTS IN BASEMENT TO BE 8' AFF EXCEPT PHYSICAL EQUIPMENT ROOM TO BE @ 9' +/-
2. CEILING IN SHOWERS TO BE SUSPENDED MOISTURE RESISTANT DRYWALL (USG DONN SYSTEM)

BASEMENT CEILING PLAN

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



POLICE CEILING PLAN

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

NOTE: EX. FLOOR PLAN INFO IS NOT IN PHASE #1 CONTRACT & IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY

REVISIONS

#	DATE	DESCRIPTION

BRYDEN BUILDERS
Building Relationships Into Satisfied Customers
1741 Thomas Paine Parkway
Dayton, Ohio 45459
(937) 439-2728
Fax (937) 439-2729

JOHN C. COOKE - A.I.A.
ARCHITECT
527 WINDSOR PARK DRIVE
DAYTON, OHIO 45459
(937) 434-3676
FAX 434-3677

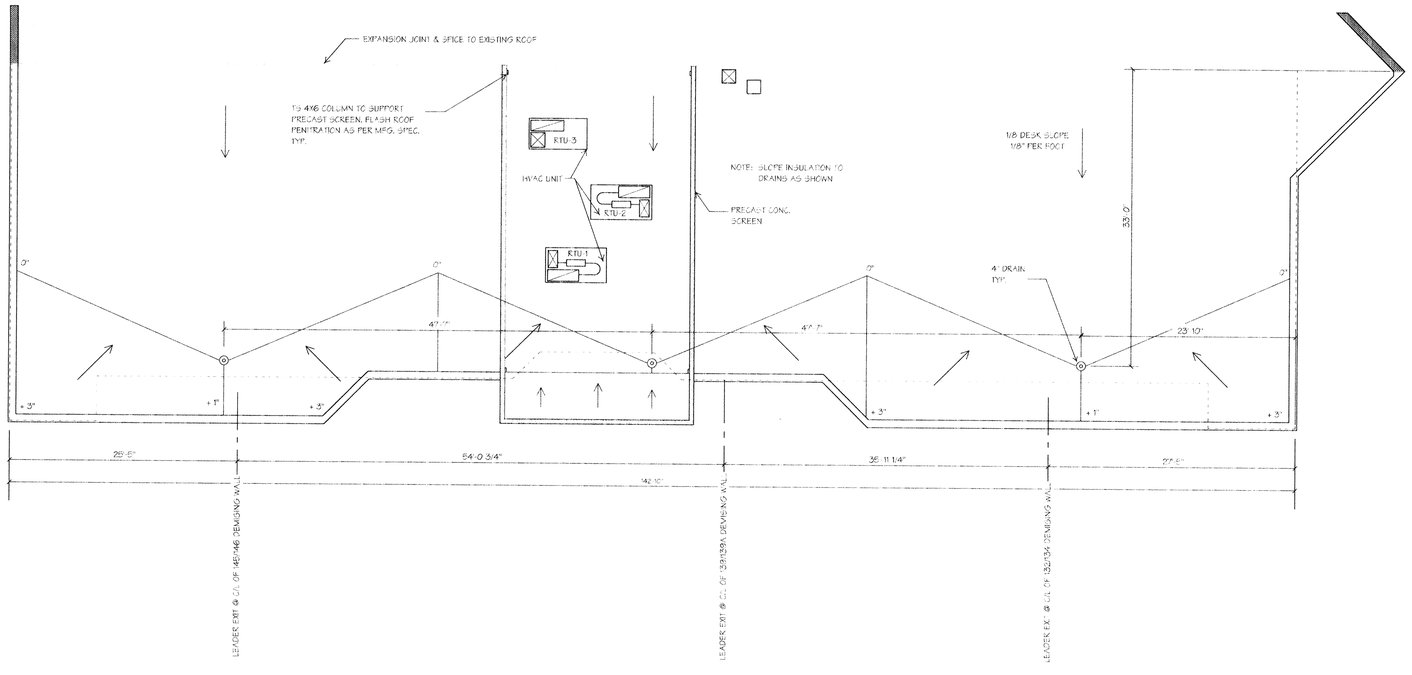
PROPOSED ADDITION FOR
THE CITY OF MORAINE
LOCATED AT
4200 DRYDEN ROAD
MORAINE, OHIO 45439

STATE OF OHIO · JOHN COOKE · 7179 · REG. ARCHITECT

5 OF 21
SHEET NUMBER

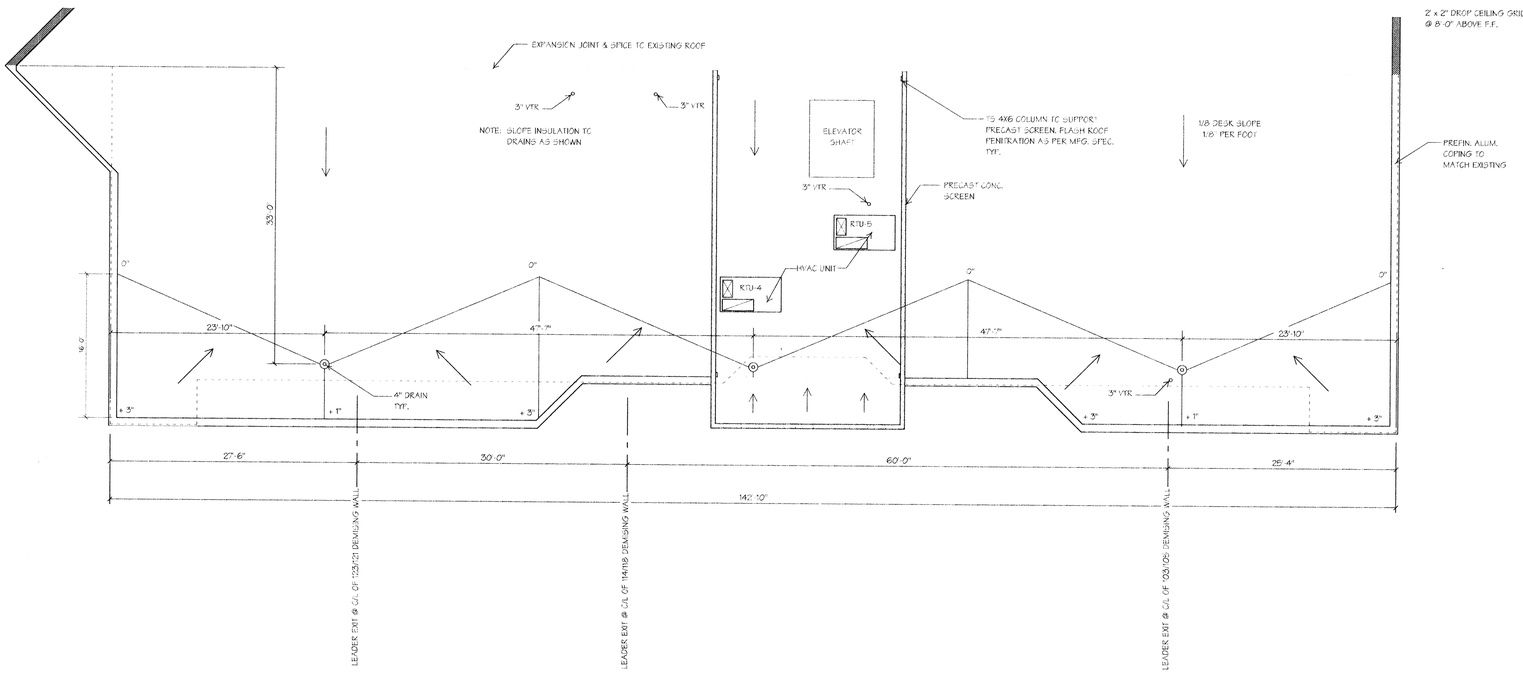
8-12-98
DATE

98027
PROJECT NUMBER



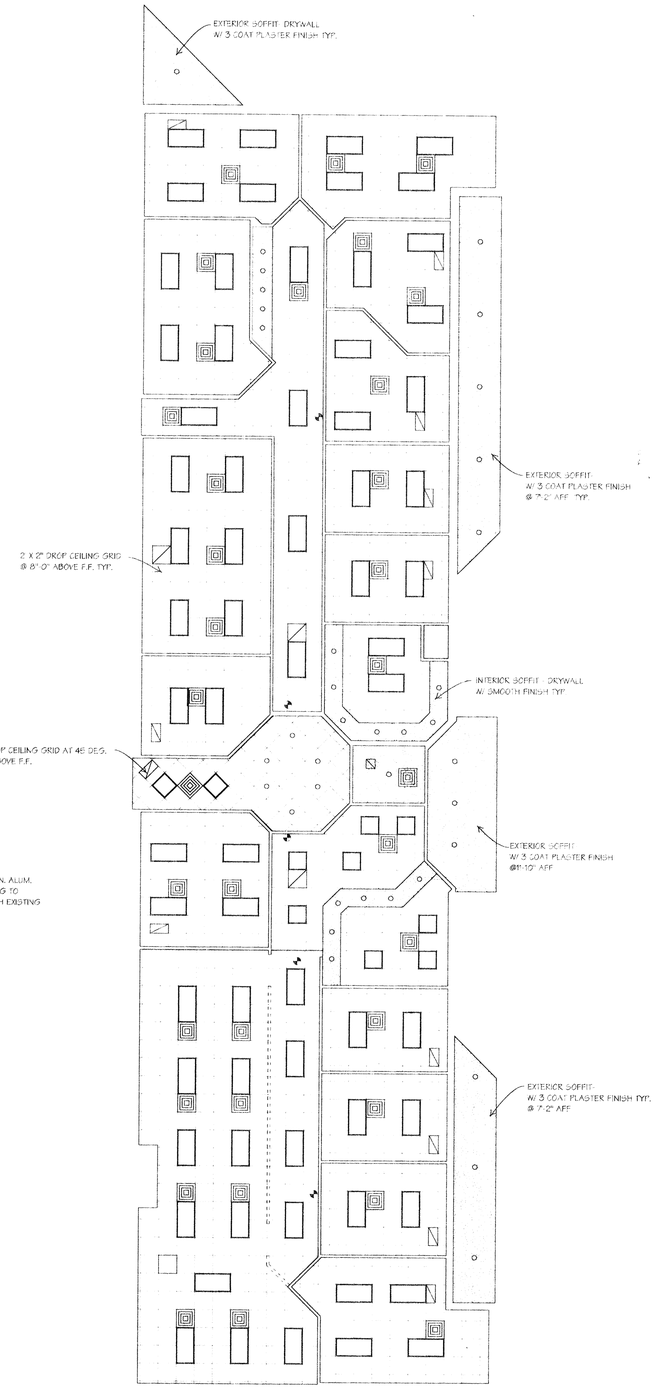
ADMINISTRATION ROOF PLAN

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



POLICE ROOF PLAN

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



ADMINISTRATIVE CEILING PLAN

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

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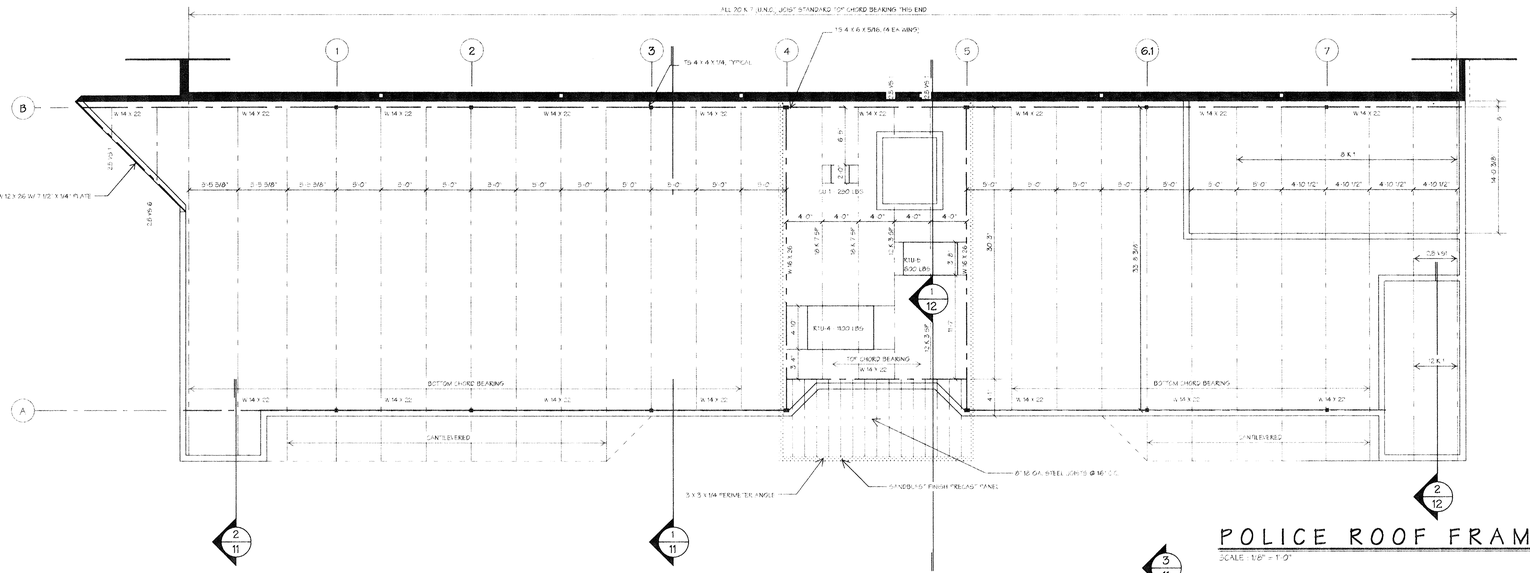
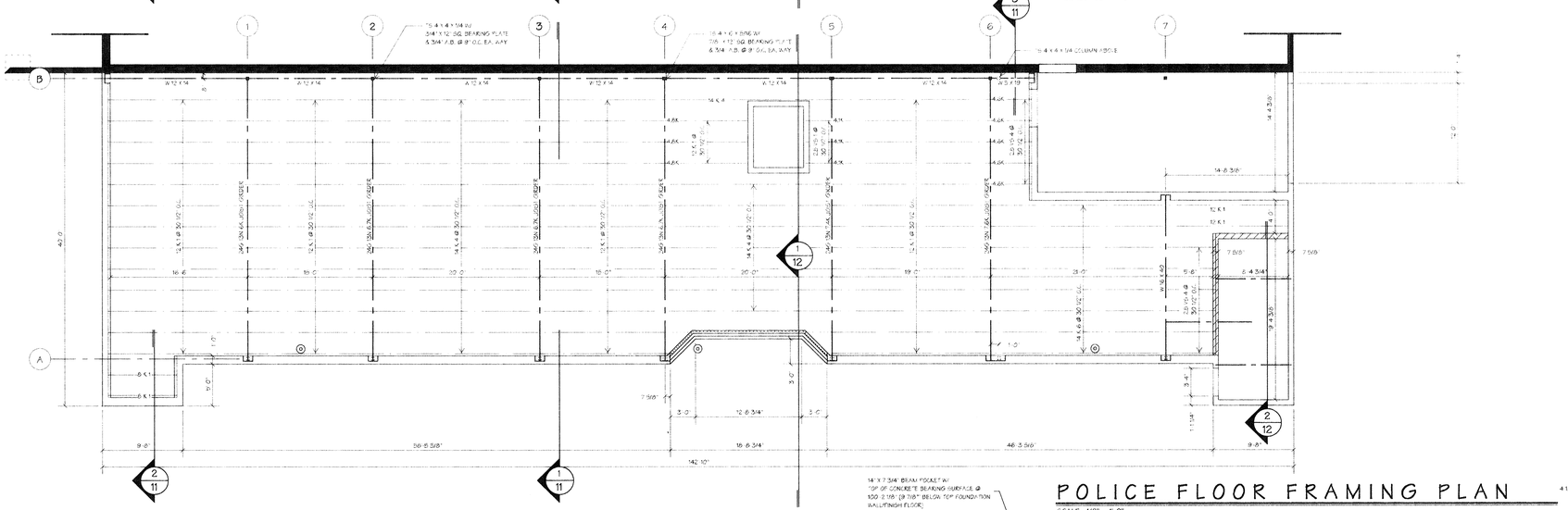


POLICE ROOF FRAMING PLAN

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

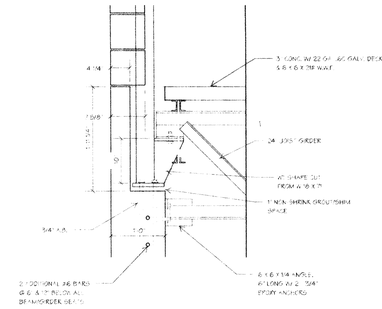


POLICE FOUNDATION PLAN

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

POLICE FLOOR FRAMING PLAN

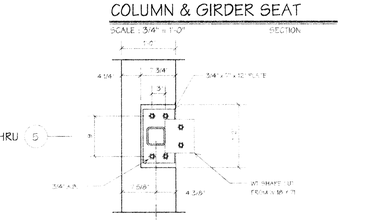
SCALE : 1/8" = 1'-0"



COLUMN & GIRDER SEAT

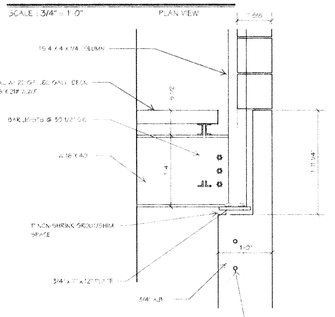
SCALE : 3/4" = 1'-0" SECTION

1 THRU 5



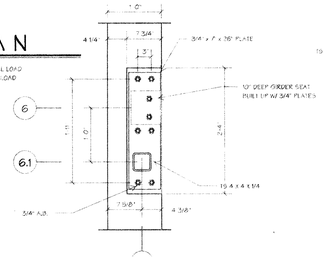
COLUMN & GIRDER SEAT

SCALE : 3/4" = 1'-0" PLAN VIEW



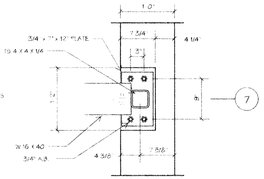
COLUMN & BEAM SEAT

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



OFFSET COLUMN & GIRDER SEAT

SCALE : 3/4" = 1'-0" PLAN VIEW



COLUMN & BEAM SEAT

SCALE : 3/4" = 1'-0" PLAN VIEW

FOOTING TYPES

SEE DETAILS, SHEET 8 OF 30

- 1 — 4'-0" X 6'-0" X 1'-4" W/ #6 BARS @ 6" O.C. EA. WAY TOP & BOTTOM & (4) 3/4" DIA. X 1'-4" ANCHOR BOLTS @ 9'-0" O.C. EA. WAY
- 2 — 4'-0" X 8'-0" X 1'-4" W/ #6 BARS @ 6" O.C. EA. WAY TOP & BOTTOM & (4) 3/4" DIA. X 1'-4" ANCHOR BOLTS @ 9'-0" O.C. EA. WAY
- 3 — 6'-8" X 6'-0" X 1'-0" W/ #5 BARS @ 6" O.C. EA. WAY W/ L SHAPED #5 BARS S/TUBBED OUT @ 10" O.C. & KEYWAY
- 4 — 10'-0" X 8'-6" X 1'-4" W/ #9 BARS 12" O.C. EA. WAY & #5 L SHAPED BARS S/TUBBED OUT @ 12" O.C.
- 5 — 4'-0" X 2'-8" X 1'-0" W/ #5 BARS @ 6" O.C. EA. WAY, (4) #5 BARS W/ 23 "BEA S/TUBBED UP INTO 16" X 16" X 1'-0" "BEA W/ (4) 3/4" DIA. X 1'-4" ANCHOR BOLTS @ 9'-0" O.C. EA. WAY

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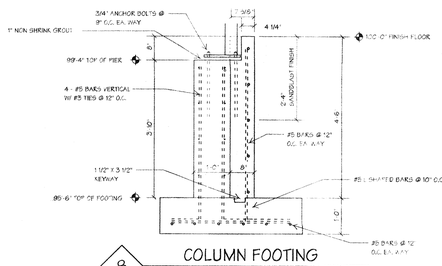
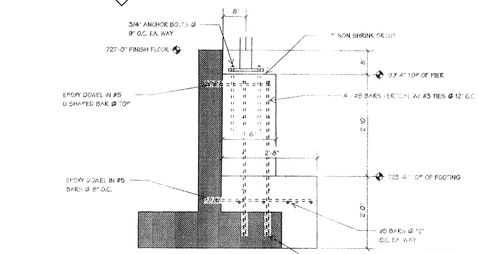


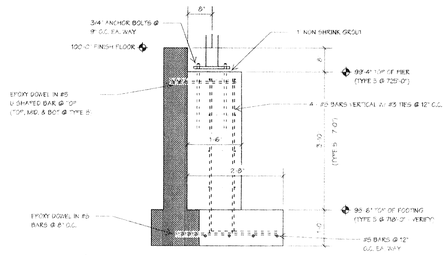
8 COLUMN FOOTING

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



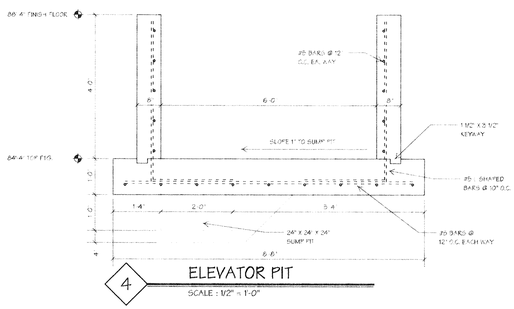
7 COLUMN FOOTING

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



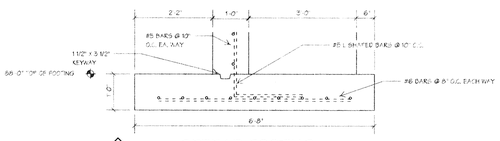
6 COLUMN FOOTING ◇ SIMILAR

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



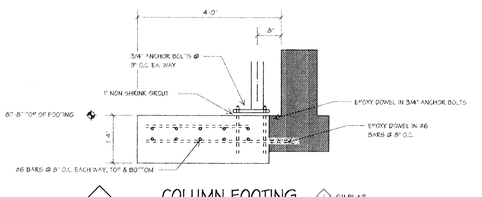
4 ELEVATOR PIT

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



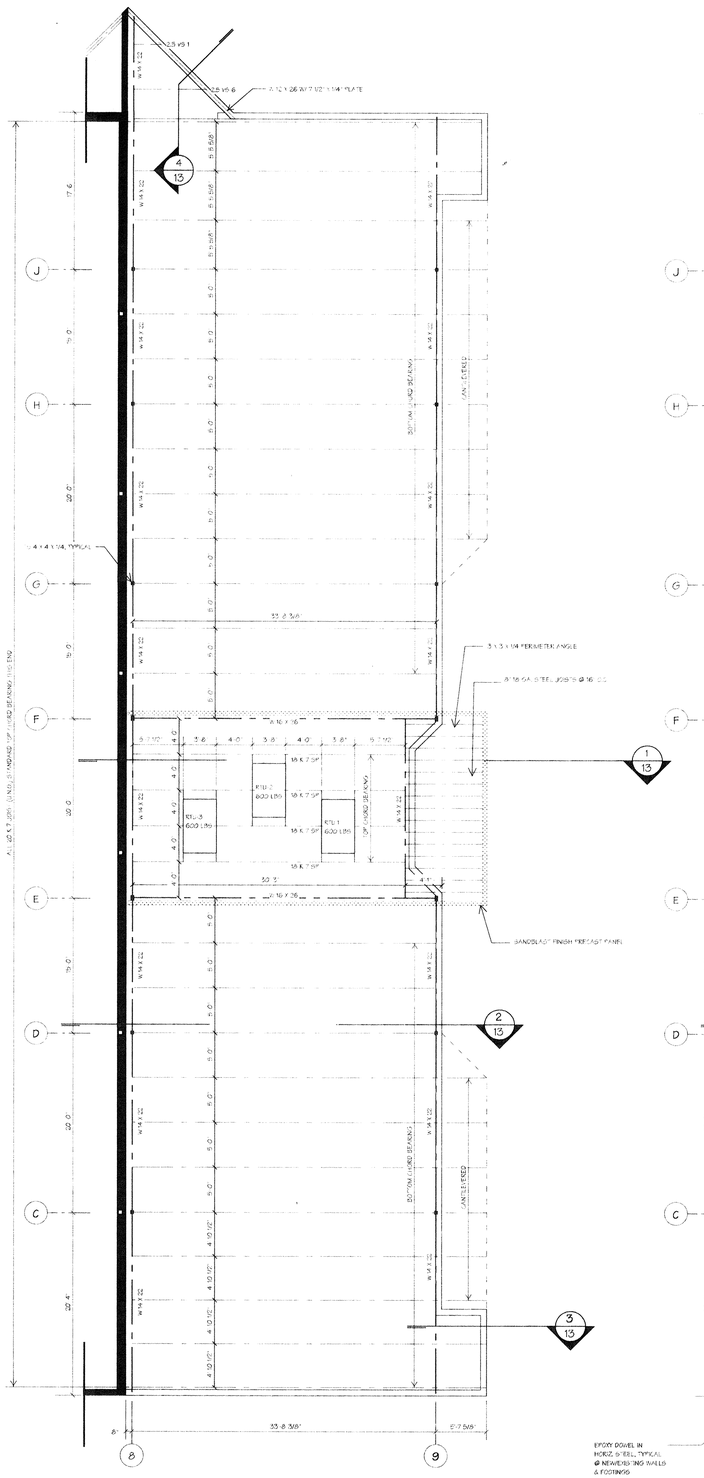
3 SPREAD FOOTING

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



1 COLUMN FOOTING ◇ SIMILAR

SCALE : 1/2" = 1'-0"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W 24 X 146
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W 24 X 176
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W 24 X 370
W 24 X 408
W 24 X 450
W 24 X 492
W 24 X 535
W 24 X 604
W 24 X 650
W 24 X 711
W 24 X 762
W 24 X 831
W 24 X 897
W 24 X 962
W 24 X 1033
W 24 X 1103
W 24 X 1192
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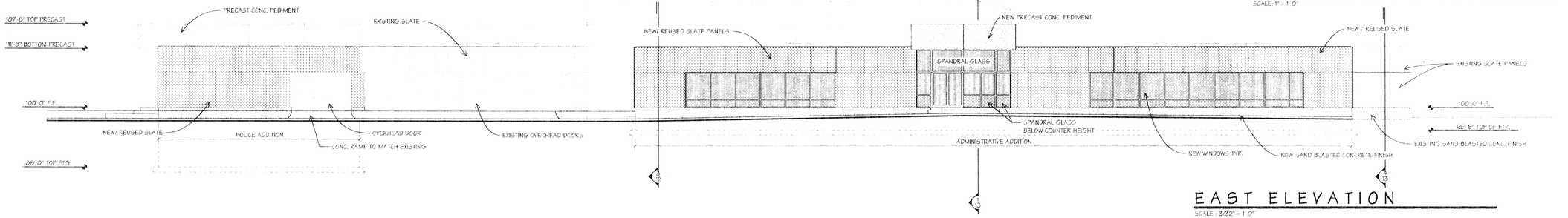
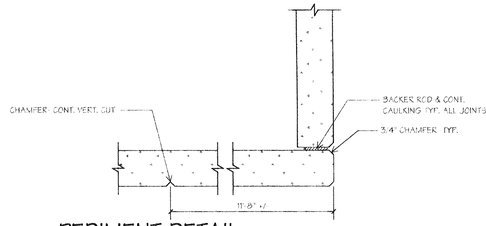


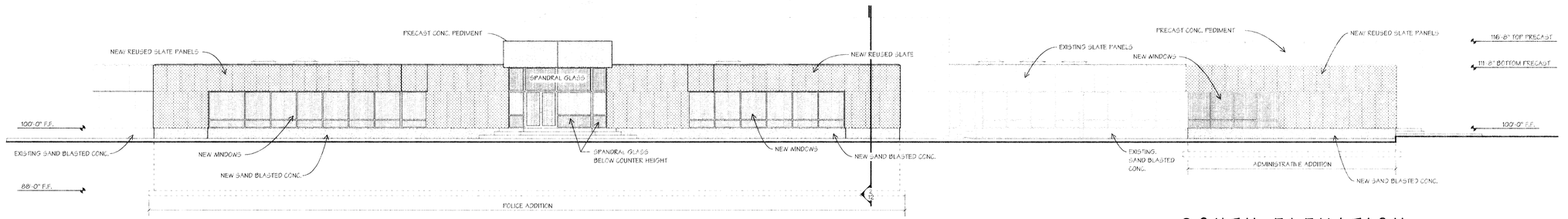
EAST ELEVATION

SCALE : 3/32" = 1'-0"



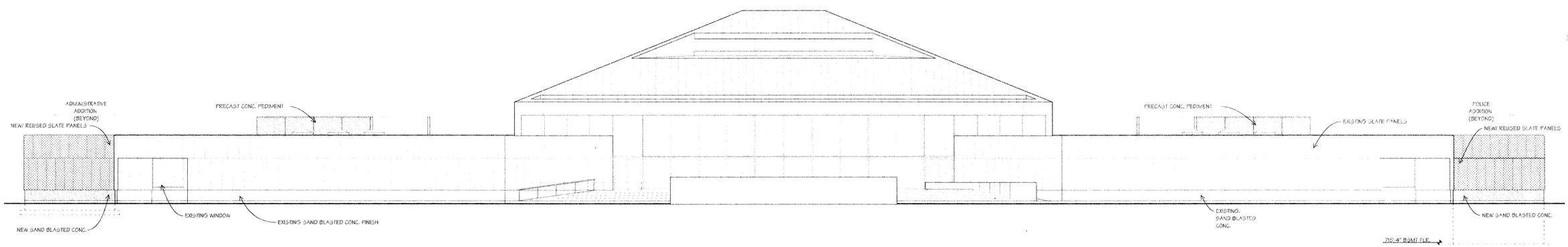
PEDIMENT DETAIL

SCALE: 1" = 1'-0"



SOUTH ELEVATION

SCALE : 3/32" = 1'-0"



NORTHWEST ELEVATION

SCALE : 3/32" = 1'-0"

NOTE: ARCHITECTURAL F.F. = 100'
ACTUAL F.F. = 722'

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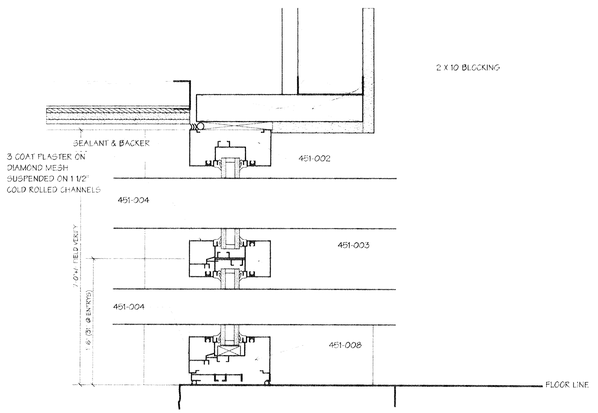
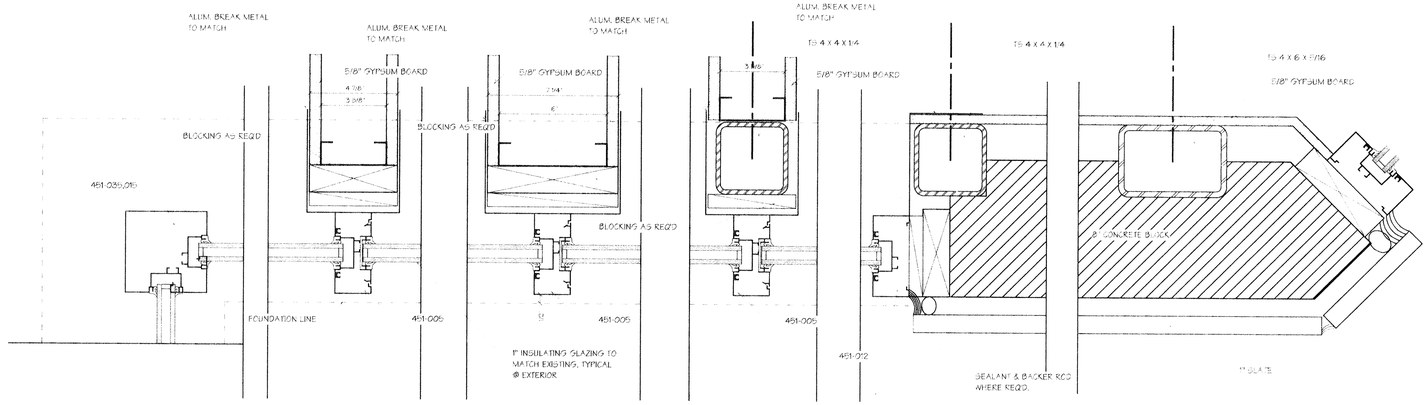
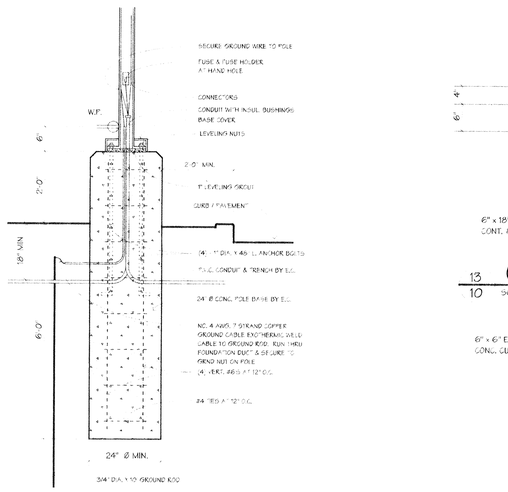


16 10 TYPICAL WINDOW DETAILS (VERTICAL SECTION)
SCALE : 1/2" = 1'-0"

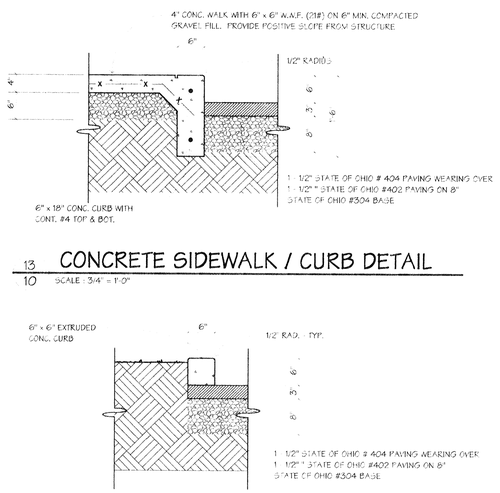


16 10 TYPICAL WINDOW DETAILS (HORIZONTAL SECTION)
SCALE : 1/2" = 1'-0"

NOTE: ALL EXTERIOR FRAMING SHALL BE "KANNEER" TRIFAB 451 (2" X 4 1/2") INTERIOR FRAMING SHALL BE TRIFAB 450 (1 3/4" X 4")

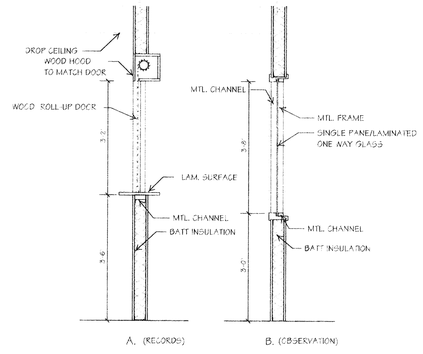


11 10 POLE BASE DETAIL
SCALE : 1/2" = 1'-0"

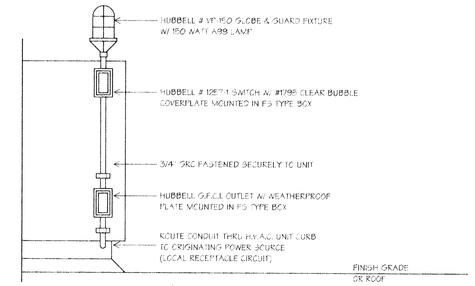


13 10 CONCRETE SIDEWALK / CURB DETAIL
SCALE : 3/4" = 1'-0"

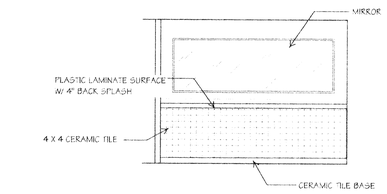
12 10 CONCRETE CURB DETAIL
SCALE : 3/4" = 1'-0"



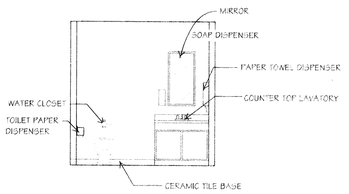
14 10 WINDOW SECTIONS
SCALE : 1/2" = 1'-0"



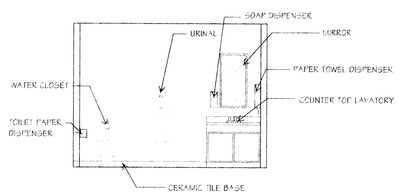
15 10 SERVICE LIGHT DETAIL
SCALE : 1/2" = 1'-0"



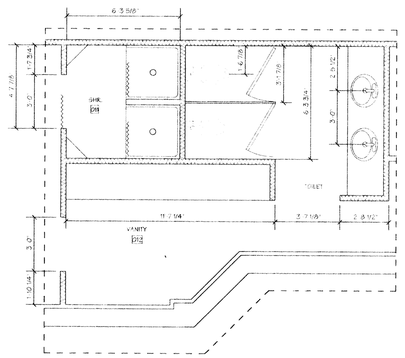
6 10 BATH ELEV. 6
SCALE : 1/4" = 1'-0"



7 10 BATH ELEV. 7
SCALE : 1/4" = 1'-0"

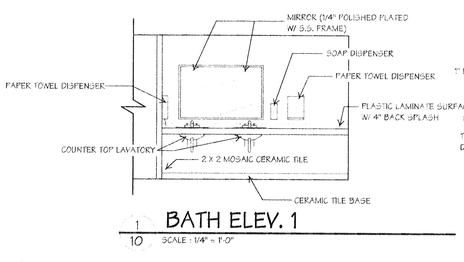


8 10 BATH ELEV. 8
SCALE : 1/4" = 1'-0"

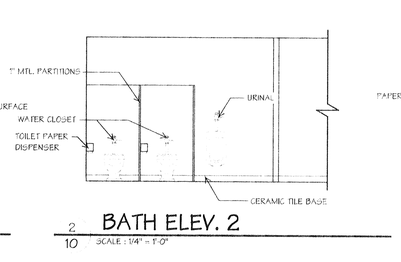


9 10 WOMEN'S BATH PLAN
SCALE : 1/4" = 1'-0"

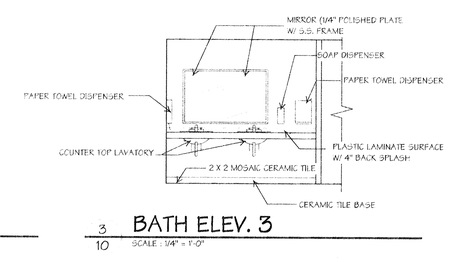
10 10 MENS BATH PLAN
SCALE : 1/4" = 1'-0"



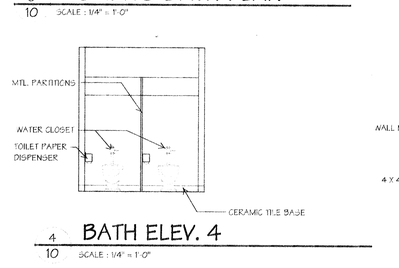
1 10 BATH ELEV. 1
SCALE : 1/4" = 1'-0"



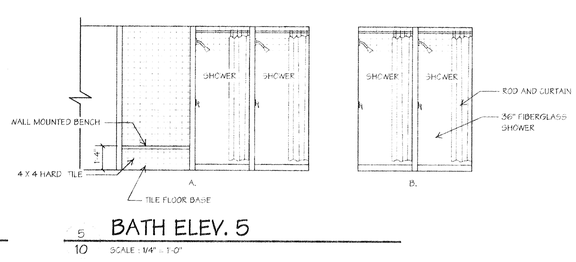
2 10 BATH ELEV. 2
SCALE : 1/4" = 1'-0"



3 10 BATH ELEV. 3
SCALE : 1/4" = 1'-0"



4 10 BATH ELEV. 4
SCALE : 1/4" = 1'-0"



5 10 BATH ELEV. 5
SCALE : 1/4" = 1'-0"

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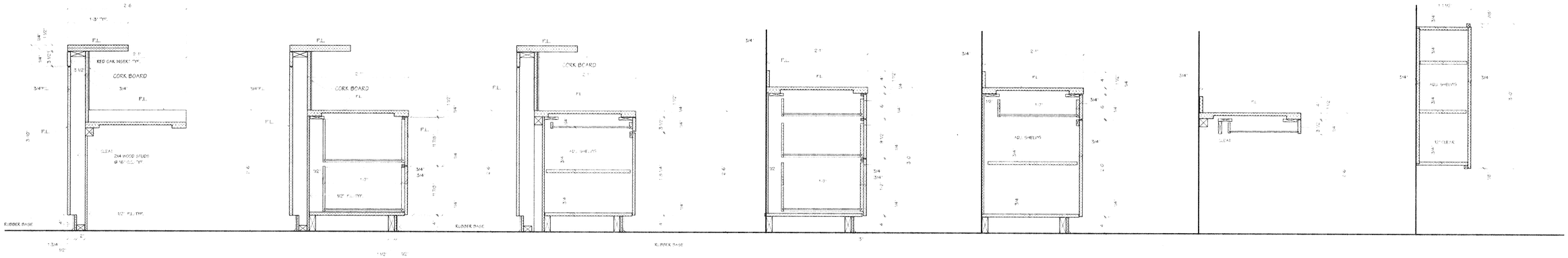


13/10A STAND-UP COUNTER - 3" DROP (DP)
SCALE : 1" = 1' - 0"

14/10A STAND-UP COUNTER - DBL FILE BASE (2B)

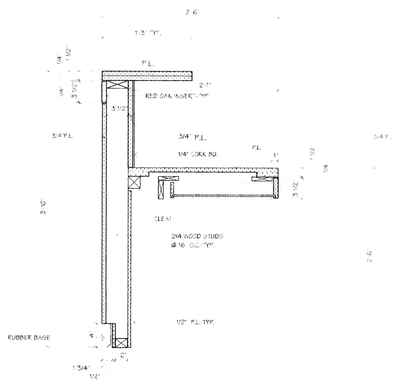
15/10A STAND-UP COUNTER - BASE CABINET (B)

16/10A DRAWER BASE CABINET (3D)

17/10A BASE CABINET (BC)

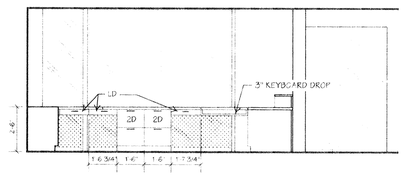
18/10A LAP DRAWER (LD)

19/10A TYP. WALL CABINET (WC)

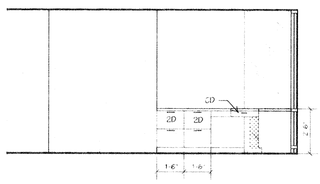


12/10A STAND-UP COUNTER - LAP DRAWER (SLD)
SCALE : 1" = 1' - 0"

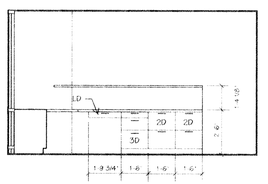
PLASTIC LAMINATE CASEWORK SPECIFICATIONS:
BACKS: 1/2" P.B. CORE WITH INTERIOR LINER ON ALL EXPOSED SURFACES.
SIDES,BOTTOMS, SHELVING: 3/4" P.B. CORE WITH INTERIOR LINER ON ALL EXPOSED SURFACES AND EDGES.
DOORS: 3/4" P.B. CORE WITH ALL EXPOSED SURFACES AND EDGES OF DOORS LAMINATED WITH VERTICAL GRADE LAMINATE.
BACKS OF DOORS TO BE LINER.
RAILS AND STILES: 3/4" POPLAR WITH EXPOSED SURFACES VENEERED WITH VERTICAL GRADE LAMINATE. HINGES TO MATCH CABINET INTERIOR.
DRAWERS: 1/2" P.B. CORE WITH INTERIOR LINER ON ALL EXPOSED SURFACES AND EDGES. DRAWER BOTTOMS ARE 1/4" HARDBOARD WITH INTERIOR LINER ON ALL EXPOSED SURFACES.
BACKS OF DRAWERS TO BE LINER.
END PANELS: 3/4 " P.B. CORE WITH INTERIOR LINER. EXPOSED SURFACES TO BE VERTICAL GARDE LAMINATE.
HARDWARE: HINGES - FULLY CONCEALED, SELF CLOSING BLUM#9EM360 OPENING ANGLE @ 110 DEGREES.
GUIDES - KV-1500
ADJ. SHELVING - PLASTIC DOWEL PINS# 346
PULLS - 3" MIKEPULLS - FINISH TO BE US 10B RUBBED BRONZE.
INTERIOR LINER TO BE WHITE.



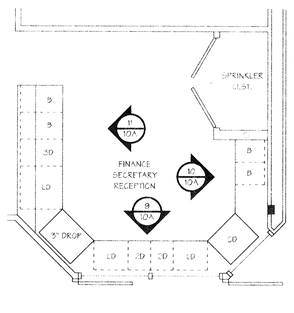
9/10A ELEVATION
SCALE : 1/4" = 1'-0"



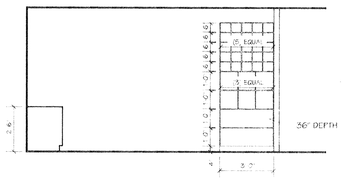
10/10A ELEVATION
SCALE : 1/4" = 1'-0"



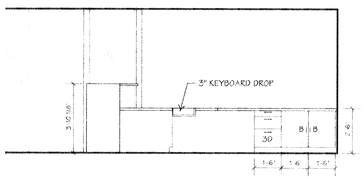
11/10A ELEVATION
SCALE : 1/4" = 1'-0"



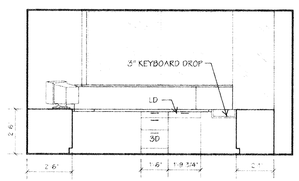
3/10A PLAN ENLARGEMENT
SCALE : 1/4" = 1'-0"



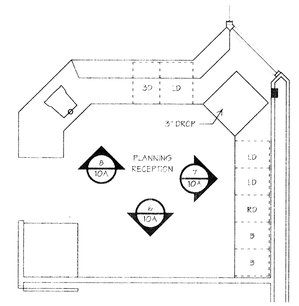
6/10A ELEVATION
SCALE : 1/4" = 1'-0"



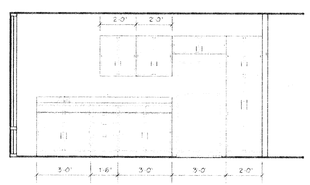
7/10A ELEVATION
SCALE : 1/4" = 1'-0"



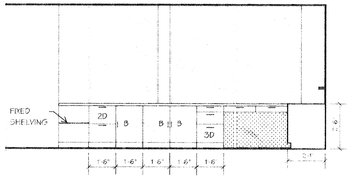
8/10A ELEVATION
SCALE : 1/4" = 1'-0"



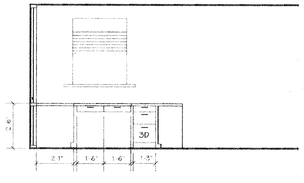
2/10A PLAN ENLARGEMENT
SCALE : 1/4" = 1'-0"



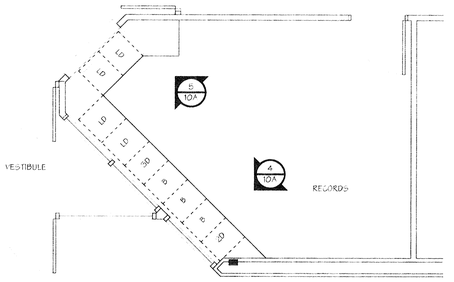
1/10A ELEVATION
SCALE : 1/4" = 1'-0"



4/10A ELEVATION
SCALE : 1/4" = 1'-0"



5/10A ELEVATION
SCALE : 1/4" = 1'-0"



1/10A PLAN ENLARGEMENT
SCALE : 1/4" = 1'-0"

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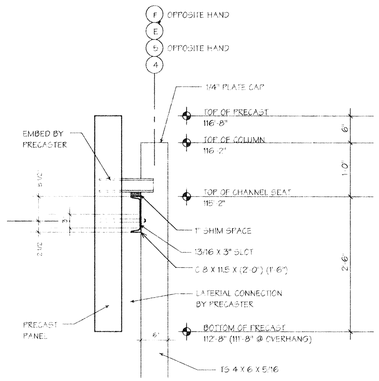
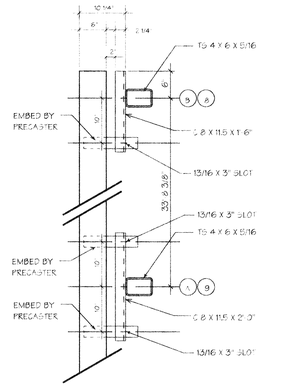
SECTION NOTES

1. 24" W. X 12" D. CONCRETE FOOTING W/ 2 - #5 BARS CONT., L SHAPED #5 BARS @ 10' O.C. & KEYWAY.
2. 24" W. X 12" D. CONCRETE FOOTING W/ 2 - #5 BARS CONT., L SHAPED #5 BARS @ 12' O.C. & KEYWAY.
3. 30" W. X 12" D. CONCRETE FOOTING W/ 2 - #5 BARS CONT., L SHAPED #5 BARS @ 10' O.C. & KEYWAY.
4. 10'-0" X 8'-8" X 12" CONCRETE FOOTING W/ #5 REBAR @ 12" O.C. EA. WAY, L SHAPED #5 BARS @ 12", KEYWAY & 24" X 24" SUMP PIT.
5. 12" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
6. 8" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
7. 7 5/8" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
8. 8" CONCRETE FOUNDATION WALL W/ #5 BARS @ 12" O.C. EA. WAY
9. FOUNDATION WATERPROOFING
10. PERIMETER DRAIN W/ GRAVEL FILL
11. 4" CONCRETE SLAB W/ 6 X 6 X 2IF W.W.F. OVER 6 MIL VAPOR BARRIER ON EARTH/GRAVEL FILL, COMPACTED AS REQUIRED
12. CONCRETE FOOTING &/OR PIER & REINFORCING PER DETAIL, SHEET 8
13. 2" Z FURRING @ 24" O.C., 2" POLYSTYRENE INSULATION, 6 MIL VAPOR BARRIER & 5/8" GYPSUM BOARD TO 9' A.F.F.
14. 2 1/2" METAL STUDS @ 24" O.C. W/ 5/8" GYPSUM BOARD 1 SIDE TO 9' A.F.F., BATT INSULATION &/OR VAPOR BARRIER WHERE REQUIRED.
15. 3 5/8" METAL STUDS @ 24" O.C. W/ 5/8" GYPSUM BOARD EA. SIDE TO 9' A.F.F. W/ ACOUSTICAL BATT INSULATION
16. 8" CONCRETE BLOCK W/ TRUSS TYPE REINFORCING @ 16" O.C. HORIZ.
17. 8" BOND BEAM W/ #4 BAR & PORTLAND CEMENT GROUT MIX OR LOCATION GROUTED SOLID.
18. 4" X 8" X 3/4" BEARING PLATE W/ 2 - 6" X 1/2" DIA. NELSON STUDS.
19. 12" X 12" X SEE PLAN FOR THICKNESS BEARING PLATE
20. 3/4" DIA. ANCHOR BOLTS
21. TS 4 X 4 X 1/4 STEEL COLUMN
22. TS 6" X 4 X 5/16 STEEL COLUMN
23. W' GIRDER BEARING SEAT
24. 6 X 6 X 1/4 STEEL ANGLE, 8" LONG W/ 2 - 5/8" DIA EXPANSION ANCHORS
25. BAR JOIST PER FRAMING PLANS
26. JOIST GIRDER
27. 8" C 22 GA. GALV. STEEL DECK
28. 3" CONCRETE W/ 6 X 6 X 2IF W.W.F.
29. PROVIDE TEMPORARY OR PERMANENT FOUR STOP
30. W 8 X 18 STEEL BEAM
31. W 12 X 14 STEEL BEAM
32. W 14 X 22 STEEL BEAM
33. W 16 X 36 STEEL BEAM
34. 4 X 3 X 1/4" STEEL ANGLE, L.L.V., CONTINUOUS, WELD TO JOIST
35. 3 X 3 X 1/4" STEEL ANGLE, L.L.V., CONTINUOUS, WELD TO JOIST
36. 1 1/2 X 1 1/2 X 1/4" STEEL ANGLE VERTICAL @ 30" O.C. - WELD ADJACENT CLIP ANGLES ABOVE
37. 1 1/2 X 2 X 1/4" STEEL ANGLE, L.L.V., CONTINUOUS, WELD TO VERTICAL ANGLE & DIAGONAL BRACE
38. 1 1/2 X 2 X 1/4" L.L.V. CLIP ANGLE X 10" WIDE @ 30" O.C. TO COORDINATE W/ SLATE PANELS
39. 2 X 2 X 1/4" STEEL ANGLE @ 30" O.C. - DIAGONAL BRACE
40. 1 1/2" COLD ROLLED CHANNELS @ 16" O.C. W/ 3/8 DIAMOND MESH & 3 COAT PLASTER TO MATCH EXISTING
41. 6" X 6" STEEL STABILIZER PLATE
42. CONCRETE FILLED STEEL PAN TREAD/RISER ON 1 1/4 X 1 1/4 X 1/4" ANGLES
43. TS 4 X 8 X 1/4 STEEL BEAM
44. MC 10 X 8.4 - 3/4" EXPANSION BOLTS @ 24" O.C. TO BOND BEAM
45. 3 X 3 X 1/4 WELD TO CHANNEL
46. TS 4 X 4 X 1/2 CANTILEVER BEAM
47. 42" GUARD - 1 1/4" PIPE RAIL PERIMETER W/ 1" DIA. VERTICALS @ 4 7/8" C.C., MAXIMUM - VERTICALS AS REQUIRED WELDED TO STAIR/LANDING STRINGER
48. 36" GUARD - 1 1/4" PIPE RAIL PERIMETER W/ 1" DIA. VERTICALS @ 4 7/8" C.C., MAXIMUM - VERTICALS AS REQUIRED WELDED TO STAIR/ LANDING STRINGER
49. 2 X NAILER - RIP TO REQ'D. WIDTH
50. SLATE SETTING BLOCK
51. W 12 X 26 W/ 7 1/2" X 1/4" PLATE
52. 8" - 18 GA. STEEL JOISTS @ 16" O.C.
53. 6" PRECAST CONC. W/ EMBEDDED PLATE(S) AS REQ'D
54. 3/4" PLYWOOD DECK
55. 15" 22 GA. GALVANIZED STEEL DECK
56. TREATED BLOCKING AS REQ'D
57. EXPANSION JOINT
58. EPDM ROOFING SYSTEM
59. METAL COPING TO MATCH EXISTING
60. SUSPENDED ACOUSTIC CEILING SYSTEM
61. ALUM. FRAMING W/ 1" INSULATED SPANDREL GLASS
62. ALUM. FRAMING W/ TINTED, 1" INSULATED GLASS TO MATCH EXISTING
63. ANODIZED ALUM. FLASHING/TRIM - MATCH PROFILE WHERE REQ'D
64. 30" SLATE PANELS
65. 2.7" RIGID ROOF INSULATION



PRECAST CONNECTION - SECTION

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



PRECAST CONNECTION - PLAN

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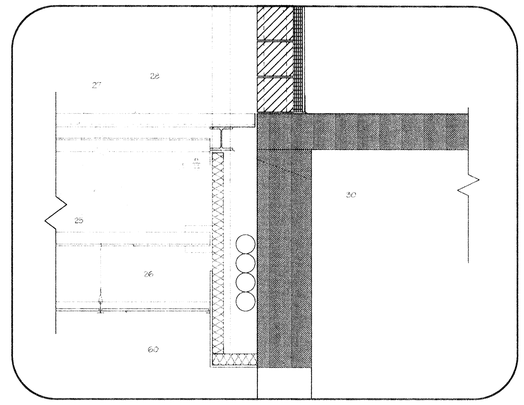
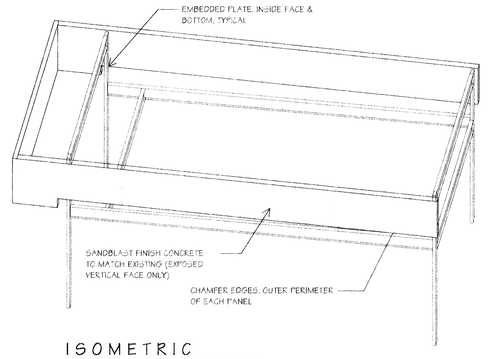


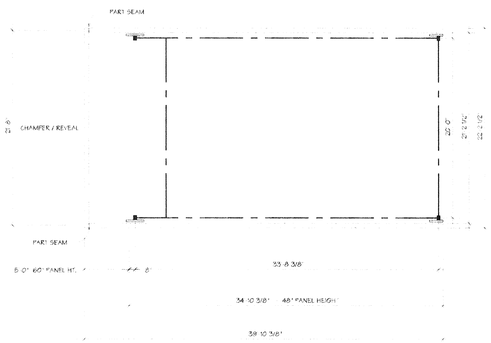
3/11 SECTION

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



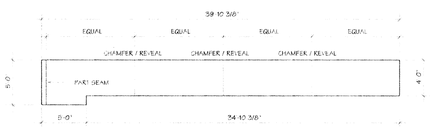
ISOMETRIC

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



PRECAST PLAN

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



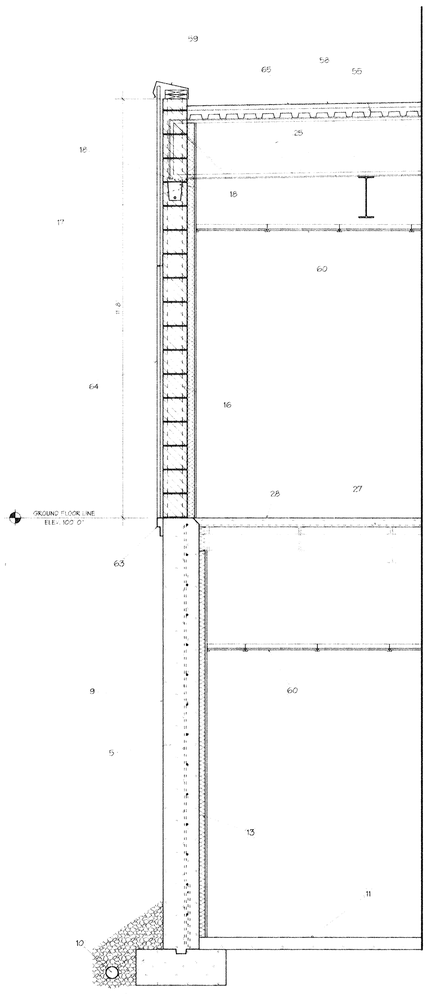


PRECAST SIDE ELEVATION

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

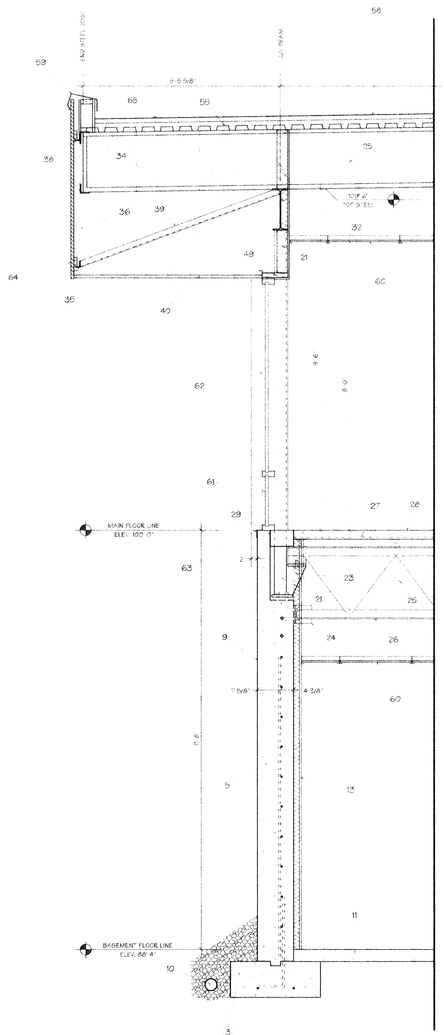
PRECAST FRONT ELEVATION

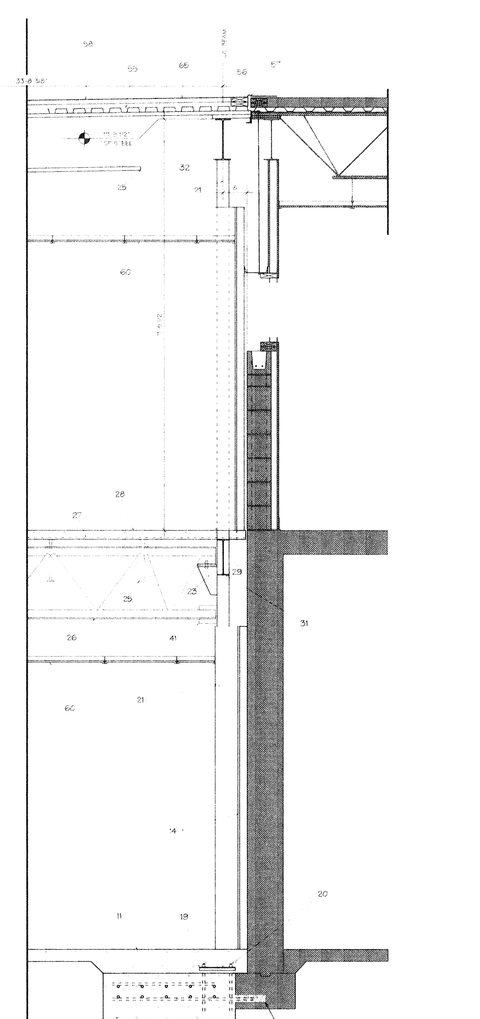
SCALE : 1/8" = 1'-0"



2/11 SECTION

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





1/11 SECTION

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

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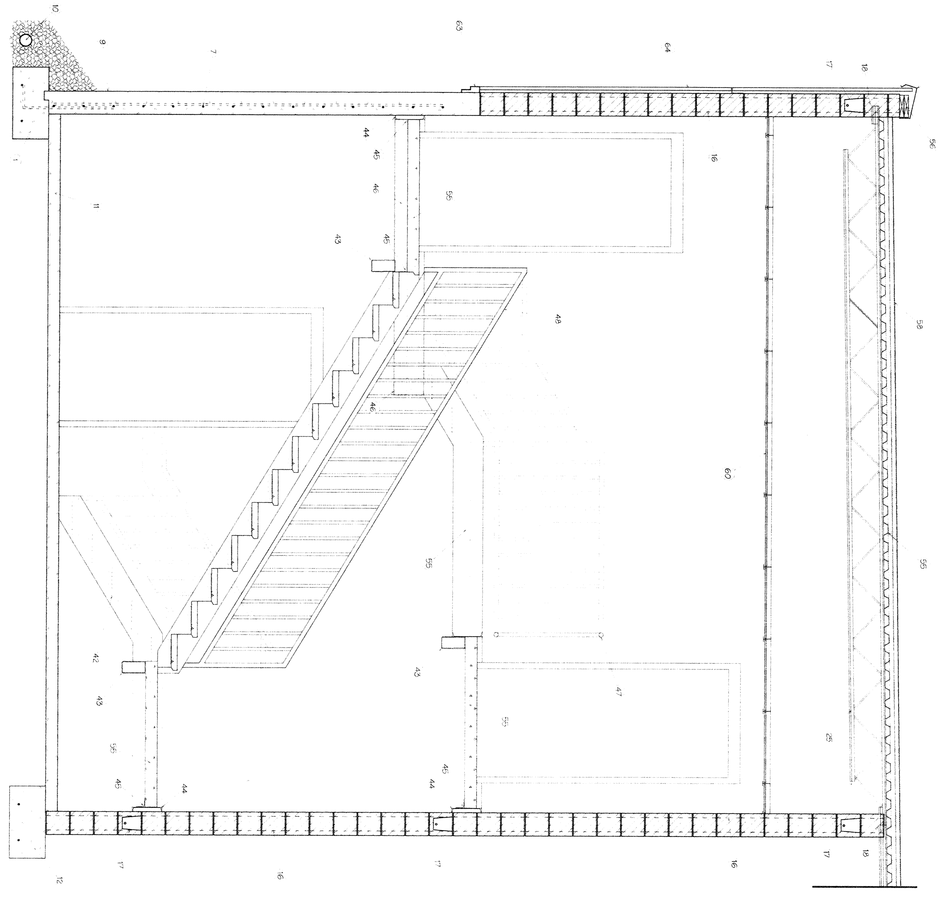
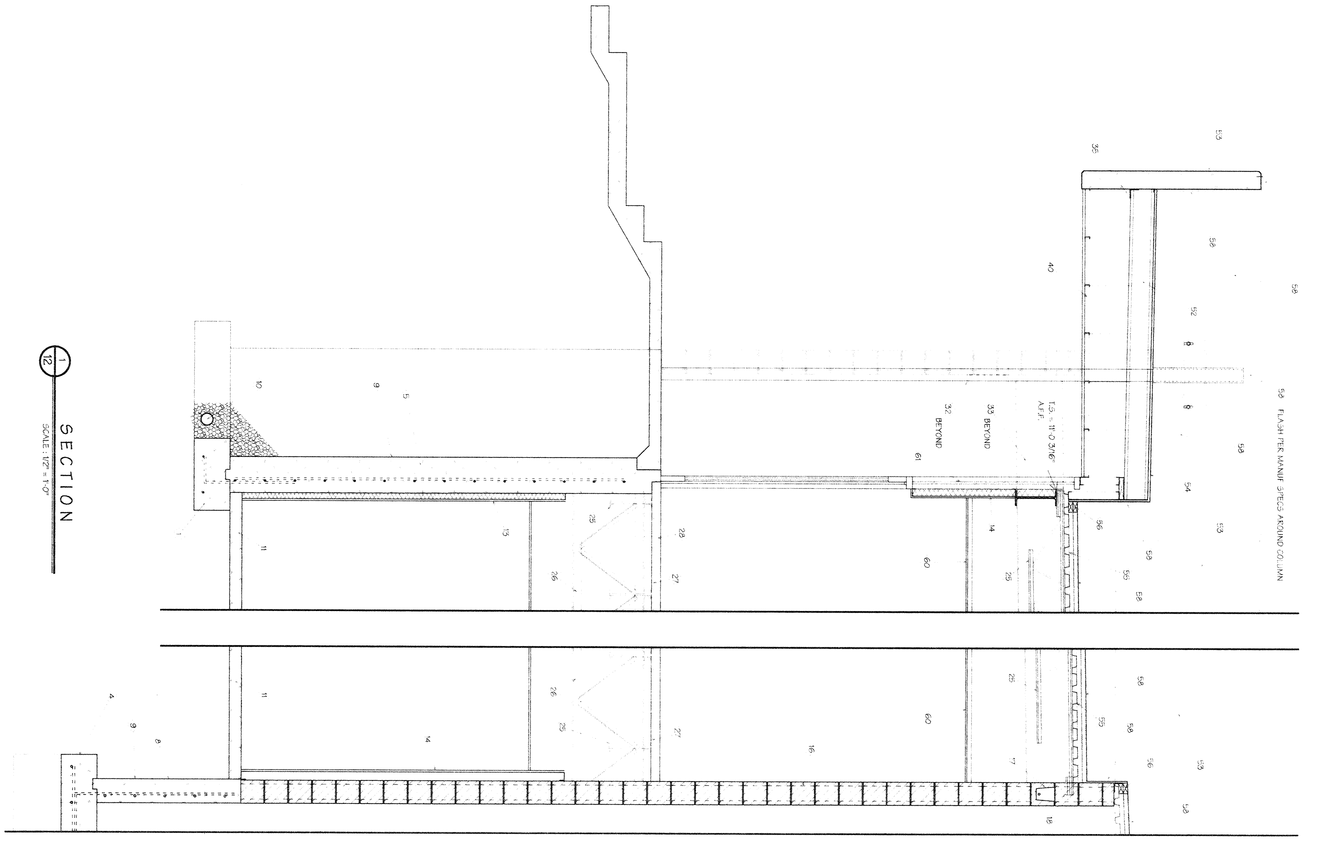
2. 24" W. X 12" D. CONCRETE FOOTING W/ 2 - #5 BARS, CONT. L-SHAPED #5 BARS @ 10'-0" O.C. & KEYWAY
3. 36" W. X 12" D. CONCRETE FOOTING W/ 2 - #5 BARS, CONT. L-SHAPED #5 BARS @ 10'-0" O.C. & KEYWAY
4. 10'-0" X 8'-0" X 12" CONCRETE FOOTING W/ 4 - #5 BARS @ 12" O.C. E.W. W/ 5 LINEAR #5 BARS @ 12" KEYWAY
5. 24" X 24" X 24" SQUARE PIER
6. 12" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
7. 10" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
8. 8" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
9. FOUNDATION WATERPROOFING
10. 4" CONCRETE SLAB W/ 6 X 6 X 2# WWF. OVER 6 MIL VAPOR BARRIER ON 6" ROCK FILL (COMPACTED AS REQUIRED)
11. 4" CONCRETE SLAB W/ 6 X 6 X 2# WWF. OVER 6 MIL VAPOR BARRIER ON 6" ROCK FILL (COMPACTED AS REQUIRED)
12. CONCRETE FOOTING, ROCK PIER & REINFORCING PER DETAIL - SHEET 8
13. 2"X12" METAL STUDS @ 24" O.C. W/ 5/8" GYPSUM BOARD EA. SIDE (1) R-19 INSULATION BOTH SIDES
14. 2"X12" METAL STUDS @ 24" O.C. W/ 5/8" GYPSUM BOARD EA. SIDE (1) 5 1/2" R-19 INSULATION BOTH SIDES
15. 5 SUB-METAL STUDS @ 24" O.C. W/ 5/8" GYPSUM BOARD EA. SIDE (1) 5 1/2" R-19 INSULATION BOTH SIDES
16. 8" CONCRETE BLOCK W/ TRUSS TYPE REINFORCING @ 16" O.C. HORIZ.
17. 8" CONCRETE BLOCK W/ #5 BARS @ 48" O.C. VERT. FILLED W/ GROUT
18. 4" X 8" X 3/8" BEARING PLATE W/ 1" DIA. HEADED STUDS
19. 12" X 12" X SEE PLAN FOR THICKNESS BEARING PLATE
20. 3/4" DIA. ANCHOR BOLTS
21. 6 X 6 X 5/16 STEEL COLUMN
22. 6 X 6 X 5/16 STEEL COLUMN
23. W SHAPE BEARING SEAT
24. 4" X 4" X 1/4 STEEL ANGLE @ LONG W. 2 - 3/8" DIA. EXPANSION ANCHORS
25. W30 - 99 GIRDER FRAMING PLANS
26. 20GA. GALV. STEEL DECK
27. 6 - 22 GA. GALV. STEEL DECK
28. PRIVATE TEMPORARY OR PERMANENT FOOR STOP
29. W 8 X 18 STEEL BEAM
30. W 8 X 13 STEEL BEAM
31. W 12 X 14 STEEL BEAM
32. W 14 X 22 STEEL BEAM
33. W 16 X 36 STEEL BEAM
34. 4 X 3 X 1/4 STEEL ANGLE L.L.V. CONTINUOUS - WELD TO GIRT
35. 5 X 3 X 1/4 STEEL ANGLE L.L.V. CONTINUOUS - WELD TO GIRT
36. 5 X 3 X 1/4 STEEL ANGLE L.L.V. CONTINUOUS - WELD TO VERTICAL ANGLE & DIAGONAL BRACE
37. 3 1/2 X 3 X 1/4 STEEL ANGLE L.L.V. CONTINUOUS - WELD TO VERTICAL ANGLE & DIAGONAL BRACE
38. 3 1/2 X 2 X 1/4 STEEL ANGLE L.L.V. CONTINUOUS - WELD TO VERTICAL ANGLE & DIAGONAL BRACE
39. 3 1/2 X 2 X 1/4 L.L.V. CLIP ANGLE X 10" WIDE @ 30" O.C. (3) COCONUT AL. SKATE PANELS
40. 2 1/2" X 2 1/2" X 1/4 STEEL ANGLE @ 30" O.C. DIAGONAL BRACE
41. 6" X 6" STEEL STRADDLER PLATE
42. CONCRETE FILLED STEEL PAN TREAD/RISER ON 1 1/4" X 1 1/4" X 1/4" ANGLES
43. MC 10 X 8.4 - SAE EXPANSION BOLTS @ 24" O.C. TO BOND BEAM
44. MC 10 X 8.4 - SAE EXPANSION BOLTS @ 24" O.C. TO BOND BEAM
45. 3 X 3 X 1/4 ANGLE TO CHANNEL
46. 10 - 4 1/4 X 1 1/2" ANTELEVER BEAM
47. 8" X 8" X 1/4" STEEL TUBE COLUMN W/ 1" DIA. VERTICAL @ 4" O.C. MINIMUM VERTICAL REINFORCING AS REQUIRED AS PER (2) STRUCTURAL NOTES SHEET
48. 36" SKIRT - 1 1/4" PIPE RAIL PERIMETER W/ 1" DIA. VERTICALS @ 4" O.C. MINIMUM VERTICAL REINFORCING AS REQUIRED AS PER (2) STRUCTURAL NOTES SHEET
49. SKATE SPOTTING BLOCK - ALIGN
50. 6" X 6" X 3/8" W. 7 1/2" X 1/4" T. PLATE
51. 6" - W 25 - STEEL JOIST @ 16" O.C.
52. 6" - W 16 - STEEL JOIST @ 16" O.C.
53. 3/4" PLYWOOD DECK
54. 3/4" PLYWOOD DECK
55. 1.5 - 18 GA. GALVANIZED STEEL DECK
56. 1.5" 22 GA. GALVANIZED STEEL DECK
57. EXPANSION JOINT
58. EPDM ROOFING SYSTEM
59. METAL COPING TO MATCH EXISTING
60. ALUM. FRAMING W/ TINTED 1" INSULATED GLASS
61. ALUM. FRAMING W/ TINTED 1" INSULATED GLASS
62. ALUM. FRAMING W/ TINTED 1" INSULATED GLASS
63. ALUM. FRAMING W/ TINTED 1" INSULATED GLASS
64. MACERATED ALUM. FLASHING/TRIM - MATCH PROFILE WHERE REQD
65. 2" RIGID ROOF INSULATION



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



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

PROPOSED ADDITION
FOR
THE CITY OF MORAINE
LOCATED AT
4200 DRYDEN ROAD
MORAINE, OHIO 45439

STATE OF OHIO · JOHN C. COOKE · 7179 · REGISTERED ARCHITECT

SHEET NUMBER 12 OF 21
DATE 8-12-98
PROJECT NUMBER 98027

JOHN C. COOKE
ARCHITECT • A.I.A.
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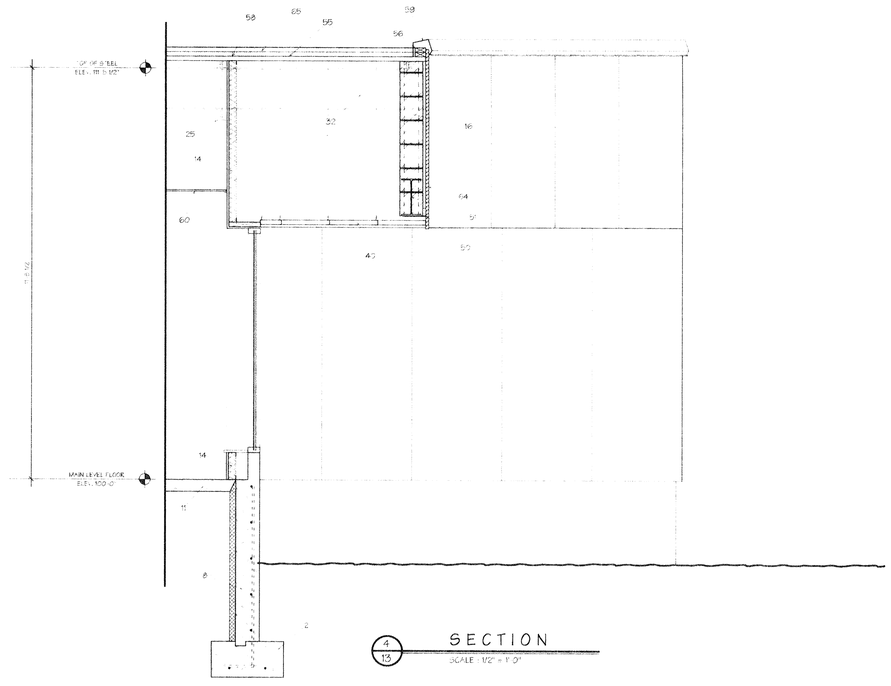
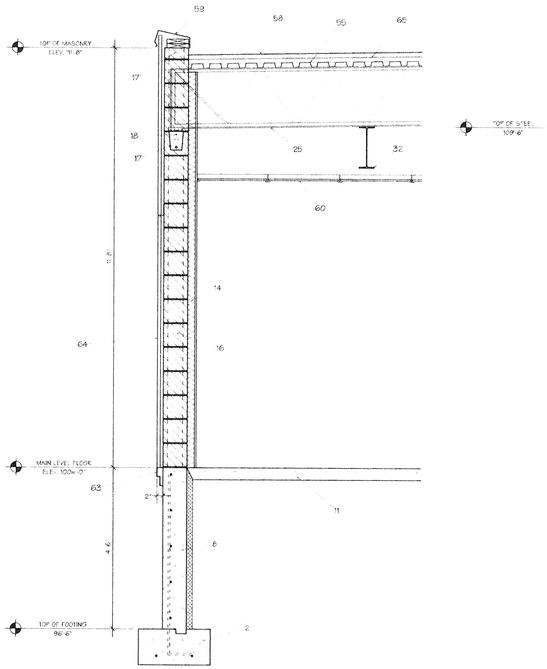
DRYDEN BUILDERS
Building Relationships Into Satisfied Customers
1741 Thomas Paine Parkway
Dayton, Ohio 45459
(937) 439-2728
Fax (937) 439-2729

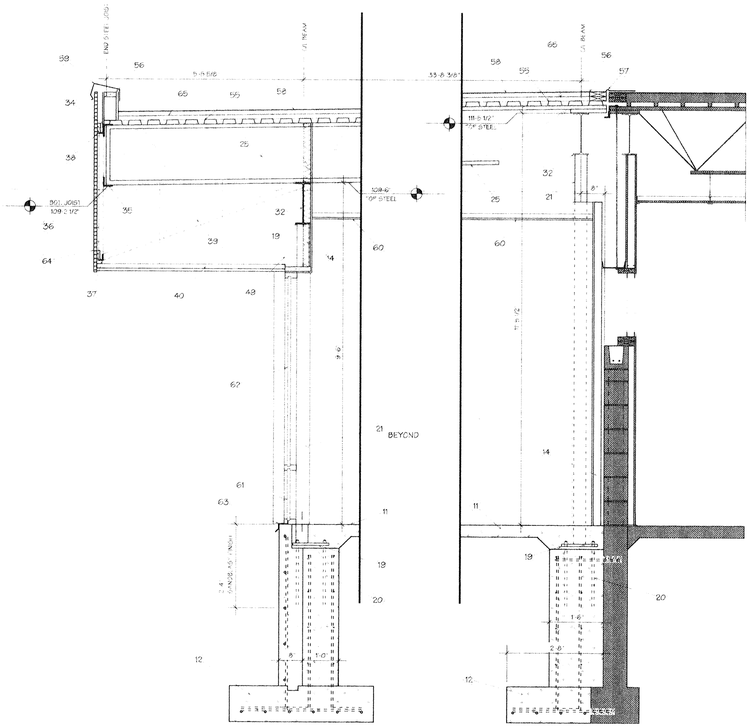
SECTION NOTES

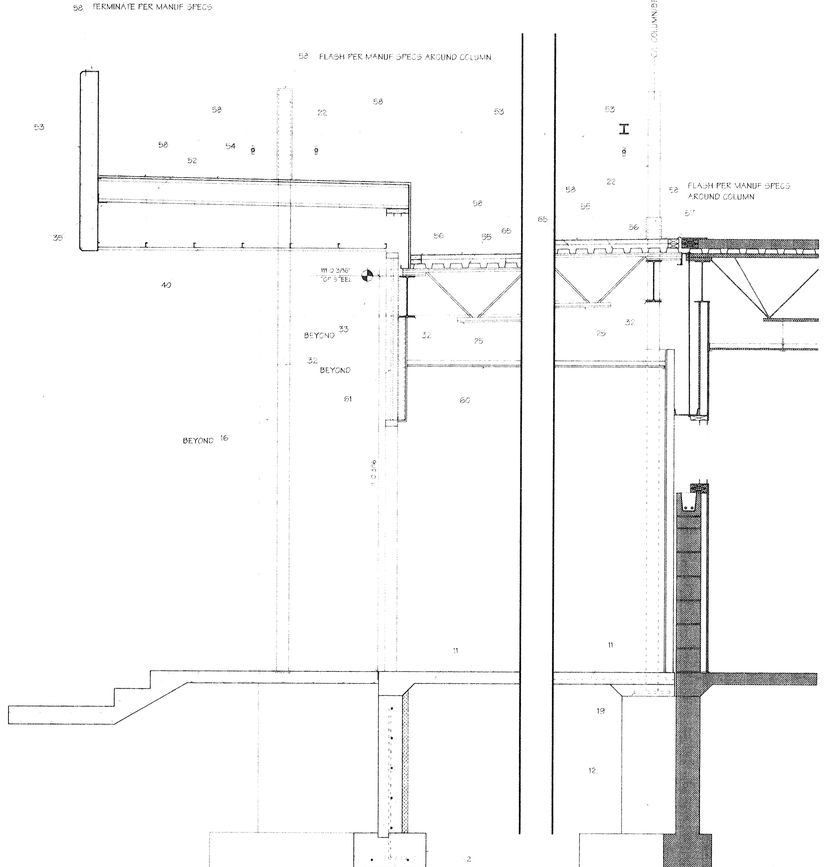
1. 24" W. X 12" D. CONCRETE FOOTING W/ 2 - #5 BARS CONT., L SHAPED #5 BARS @ 10" O.C. & KEYWAY.
2. 24" W. X 12" D. CONCRETE FOOTING W/ 2 - #5 BARS CONT., L SHAPED #5 BARS @ 12" O.C. & KEYWAY.
3. 30" W. X 12" D. CONCRETE FOOTING W/ 2 - #5 BARS CONT., L SHAPED #5 BARS @ 10" O.C. & KEYWAY.
4. 10'-0" X 8'-8" X 12" CONCRETE FOOTING W/ #5 REBAR @ 12" O.C. EA. WAY, L SHAPED #5 BARS @ 12", KEYWAY & 24" X 24" X 24" SUMP PIT.
5. 12" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
6. 8" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
7. 7 5/8" CONCRETE FOUNDATION WALL W/ #5 BARS @ 10" O.C. EA. WAY
8. 8" CONCRETE FOUNDATION WALL W/ #5 BARS @ 12" O.C. EA. WAY
9. FOUNDATION WATERPROOFING
10. PERIMETER DRAIN W/ GRAVEL FILL
11. 4" CONCRETE SLAB W/ 6 X 6 X 2\# W.W.F. OVER 6 MIL VAPOR BARRIER ON EARTH/GRAVEL FILL, COMPACTED AS REQUIRED
12. CONCRETE FOOTING &/OR PIER & REINFORCING PER DETAIL, SHEET 8
13. 2" Z FURRING @ 24" O.C., 2" POLYSTYRENE INSULATION, 6 MIL VAPOR BARRIER & 5/8" GYPSUM BOARD TO 9' A.F.F.
14. 2 1/2" METAL STUDS @ 24" O.C. W/ 5/8" GYPSUM BOARD 1 SIDE TO 9' A.F.F. BATT INSULATION &/OR VAPOR BARRIER WHERE REQUIRED.
15. 3 5/8" METAL STUDS @ 24" O.C. W/ 5/8" GYPSUM BOARD EA. SIDE TO 9' A.F.F. W/ ACOUSTICAL BATT INSULATION
16. 8" CONCRETE BLOCK W/ TRUSS TYPE REINFORCING @ 16" O.C. HORIZ.
17. 8" BOND BEAM W/ #4 BAR & PORTLAND CEMENT GROUT MIX OR LOCATION GROUTED SOLID.
18. 4" X 8" X 3/8" BEARING PLATE W/ 2 - 6" X 1/2" DIA. NELSON STUDS.
19. 12" X 12" X SEE PLAN FOR THICKNESS BEARING PLATE
20. 3/4" DIA. ANCHOR BOLTS
21. TS 4 X 4 X 1/4 STEEL COLUMN
22. TS 6 X 4 X 5/16 STEEL COLUMN
23. WT GIRDER BEARING SEAT
24. 6 X 6 X 1/4 STEEL ANGLE, 6" LONG W/ 2 - 5/8" DIA EXPANSION ANCHORS
25. BAR JOIST PER FRAMING PLANS
26. JOIST GIRDER
27. 6 C 22 GA. GALV. STEEL DECK
28. 3" CONCRETE W/ 6 X 6 X 2\# W.W.F.
29. PROVIDE TEMPORARY OR PERMANENT FOUR STOP
30. W 5 X 19 STEEL BEAM
31. W 12 X 14 STEEL BEAM
32. W 14 X 22 STEEL BEAM
33. W 16 X 36 STEEL BEAM
34. 4 X 3 X 1/4" STEEL ANGLE, L.L.V., CONTINUOUS, WELD TO JOIST
35. 3 X 3 X 1/4" STEEL ANGLE, L.L.V., CONTINUOUS, WELD TO JOIST
36. 1 1/2 X 1 1/2 X 1/4 STEEL ANGLE VERTICAL @ 30" O.C. WELD ADJACENT CLIP ANGLES ABOVE
37. 1 1/2 X 2 X 1/4" STEEL ANGLE, L.L.V., CONTINUOUS, WELD TO VERTICAL ANGLE & DIAGONAL BRACE
38. 1 1/2 X 2 X 1/4" L.L.V. CLIP ANGLE X 10" WIDE @ 30" O.C. TO COORDINATE W/ SLATE PANELS
39. 2 X 2 X 1/4" STEEL ANGLE @ 30" O.C. - DIAGONAL BRACE
40. 1 1/2" COLD ROLLED CHANNELS @ 16" O.C. W/ 3/8 DIAMOND MESH & 3 COAT PLASTER TO MATCH EXISTING
41. 6" X 6" STEEL STABILIZER PLATE
42. CONCRETE FILLED STEEL PAN TREAD/RISER ON 1 1/4 X 1 1/4 X 1/4" ANGLES
43. TS 4 X 8 X 1/4 STEEL BEAM
44. ML 10 X 8.4 - 3/4" EXPANSION BOLTS @ 24" O.C., TO BOND BEAM
45. 3 X 3 X 1/4 WELD TO CHANNEL
46. TS 4 X 4 X 1/2 CANTILEVER BEAM
47. 42" GUARD - 1 1/4" PIPE RAIL PERIMETER W/ 1 DIA. VERTICALS @ 4 7/8" O.C. MAXIMUM - VERTICALS AS REQUIRED WELDED TO STAIR/LANDING STRINGER
48. 36" GUARD - 1 1/4" PIPE RAIL PERIMETER W/ 1" DIA. VERTICALS @ 4 7/8" O.C. MAXIMUM - VERTICALS AS REQUIRED WELDED TO STAIR/ LANDING STRINGER
49. 2 X NAILER - RIP TO REQ'D. WIDTH
50. SLATE SETTING BLOCK
51. W 12 X 26 W/ 7 1/2" X 1/4" PLATE
52. 8" - 18 GA. STEEL JOISTS @ 16" O.C.
53. 6" PRECAST CONC. W/ EMBEDDED PLATE(S) AS REQ'D
54. 3/4" PLYWOOD DECK
55. 1.5" - 22 GA. GALVANIZED STEEL DECK
56. TREATED BLOCKING AS REQ'D
57. EXPANSION JOINT
58. EPDM ROOFING SYSTEM
59. METAL COPING TO MATCH EXISTING
60. SUSPENDED ACOUSTIC CEILING SYSTEM
61. ALUM. FRAMING W/ 1" INSULATED SPANDREL GLASS
62. ALUM. FRAMING W/ TINTED, 1" INSULATED GLASS TO MATCH EXISTING
63. ANODIZED ALUM. FLASHING/TRIM - MATCH PROFILE WHERE REQ'D
64. 30" SLATE PANELS
65. 2.7" RIGID ROOF INSULATION



58 TERMINATE PER MANUF. SPECS







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JOHN C. ARCHITECT
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DAYTON, OHIO 45459

PROPOSED ADDITION FOR
THE CITY OF MORAINE
LOCATED AT
4200 DRYDEN ROAD
MORAINE, OHIO 45439

STATE OF OHIO · JOHN C COOKE · 7179 · REGISTERED ARCHITECT

13 OF 21
SHEET NUMBER

8-12-98
DATE

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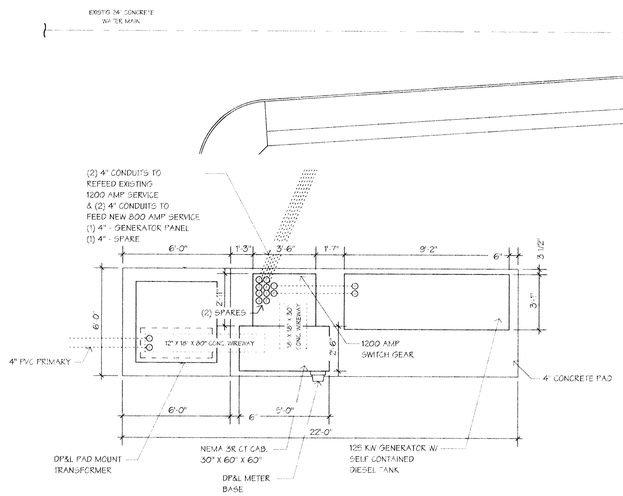

SERVICE PAD PLAN

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

SELLARS ROAD

DRYDEN ROAD

SITE UTILITIES PLAN

SCALE : 1" = 20'-0"

DISTRIBUTION PANEL DIAGRAM

SCALE : N.T.S.

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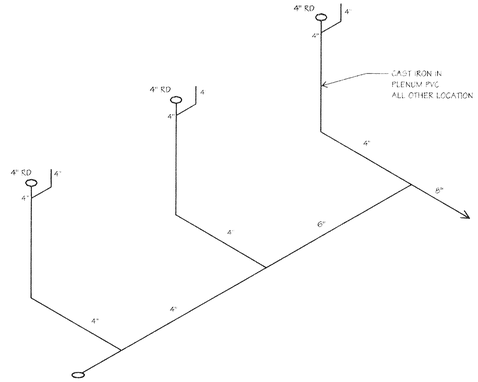
PLUMBING FIXTURES / ACCESSORIES

	TOILET FIXTURES/ACCESSORIES					
#	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	SERIES	NOTES
P1	6	WATER CLOSET	AMERICAN STANDARD	#2305.100	MADERA	SLOAN REGAL 115/116 LS FLUSH VALVE CHURCH 295C SEAT
P2	2	URINAL	AMERICAN STANDARD	#6541.132	ALLBROOK	SLOAN REGAL 186-1 FLUSH VALVE
P3	6	COUNTERTOP LAVATORY	AMERICAN STANDARD	#0461.018	RUNDALYN	2586.004 RELIANT FAUCET
P4	6	SHOWER	LASCO	1363-C 36"	PALUMA II	AMER. STD. 1498.551 FAUCET
P5	1	JANITOR SINK	MUSTEE	SC-5811	83M	SPEAKMAN SC-5811 RCT FAUCET
P6	1	BREAK ROOM SINK	ELKAY	#EC13322	CELEBRITY	AM. STD. 4205.660 FAUCET
P7	1	DUPLEX SEWAGE EJECTOR	ZOELLER	#1820 (2)1820 208V 1PH (2HP GRINDER)		(1) 36" X 72" FIBERGLASS BASIN W/ 1/4" GAS TIGHT LID
P8	1	ELEVATOR SUMP PUMP	ZOELLER	#1820 #M98		13"X24" POLY BASIN W/ STEEL PERFORATED LID W/ 1/2" WEEP HOLES
P9	11	FLOOR DRAIN	WADE	STD E		
P10	1	WATER HEATER	A.O. SMITH	DRE-120 18 3Ø 18KW		AMTROL ST-12 EXP. TANK/RBW CIRC PUMP
P11	6	ROOF DRAIN	WADE	3000-A*		
P12	4	FLOOR C.O.	WADE	6000		
P13	2	WALL C.O.	WADE	8480R		

NOTES:: REFER TO SANITARY ISOMETRIC FOR PIPE SIZES
ANY PIPING IN PLENUM TO BE CAST IRON
TAP EXISTING 3" DOMESTIC COLD WATER SUPPLY & EXTEND 2" DOMESTIC COLD WATER TO NEW POLICE ADDITION

PLUMBING NOTES

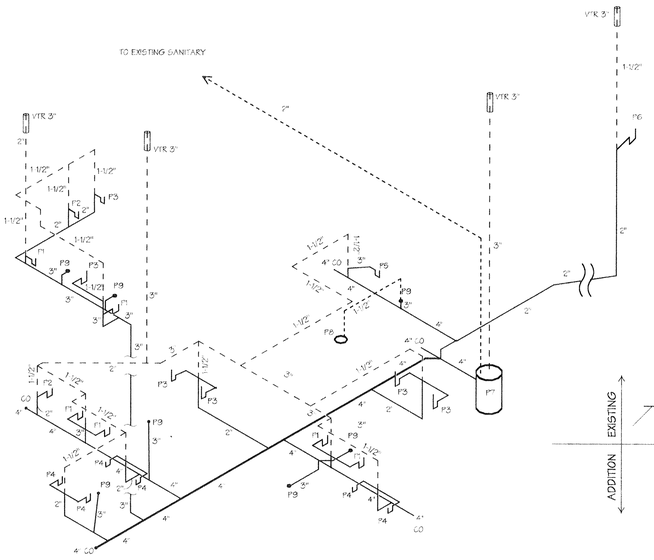
1. PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR THE WORK IN THIS SECTION.
2. ALL LAWS AND REGULATIONS WHICH MAY BEAR UPON OR IN ANY WAY AFFECT THE WORK INVOLVED IN THIS SECTION SHALL BE COMPLIED WITH. THESE SHALL INCLUDE THE BUILDING CODE OF THE STATE; THE SANITARY CODES OF THE BOARD OF UNDERWRITERS; AND ALL OTHER REGULATIONS OF THE LOCAL UTILITIES WHICH APPLY TO THE WORK IN THE BUILDING INCLUDED UNDER THIS SECTION. THE CONTRACTOR SHALL NOT KNOWINGLY INSTALL ANY WORK CONTRARY TO APPLICABLE CODES AND REGULATIONS AND SHALL INFORM THE ARCHITECT OF ANY DISCREPANCY THAT MAY OCCUR BETWEEN PLANS AND SPECIFICATIONS AND EXISTING CODES AND REGULATIONS.
3. THE CONTRACTOR SHALL INCLUDE ALL FEES AND CHARGES IMPOSED BY THE LOCAL INSPECTION AGENCY, OTHER CONTRACTORS AND/OR TRADESMEN; PROFESSIONAL CONSULTANTS, ETC., FOR SERVICES RENDERED IN CONNECTION WITH THE EXECUTION OF ANY PORTION OF THE WORK SHOWN ON THE DRAWINGS OR HEREIN AFTER SPECIFIED. ALL SURVEYS, ENGINEERING PROFILES, DRAWINGS, ETC., REQUIRED BY LOCAL, CITY, COUNTY, OR STATE AUTHORITY IN HIS BASE BID.
4. THE PLUMBING PERMIT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR.
5. SOIL, WASTE, AND VENT PIPING BELOW THE FLOOR SHALL BE SCHEDULE 40 DWV PVC.
6. SOIL, WASTE, AND VENT PIPING ABOVE THE FLOOR SHALL BE SCHEDULE 40 PVC.
7. VENT PIPING SHALL BE SCHEDULE 40 PVC.
8. PIPING IN FINISHED AREAS SHALL BE CONCEALED IN FLOORS, WALLS, AND CEILINGS UNLESS NOTED OTHERWISE ON DRAWINGS.
9. EXTEND COLD WATER PIPING TO ALL FIXTURES AS REQUIRED.
10. COLD WATER PIPING SHALL BE TYPE K, SOFT COPPER UNDERGROUND; AND TYPE K RIGID COPPER ABOVE GROUND WITH CAST OR WROUGHT FITTINGS.
11. EXTEND 140 DEGREES F FROM WATER HEATERS TO ALL FIXTURES REQUIRING HOT WATER AS INDICATED.
12. HOT WATER SUPPLY PIPING ABOVE GROUND SHALL BE RIGID THROUGHOUT WITH CAST OR WROUGHT FITTINGS. TYPE K SHALL BE USED UNDERGROUND; TYPE K, ABOVE GROUND.
13. WATER PIPING SHALL BE INSTALLED TO ALL FIXTURES AND EQUIPMENT REQUIRING WATER EVEN THOUGH IT MAY NOT BE SHOWN ON THE DRAWINGS.
14. SOIL AND WASTE PIPE SHALL BE LAID TO PITCH 1/4" PER FOOT WHEN REQUIRED AND NOT LESS THAN 1/8" PER FOOT.
15. CLEANOUTS SHALL BE LOCATED WHERE SPECIFIED OR SHOWN ON THE DRAWINGS AND AS REQUIRED BY GOOD PLUMBING PRACTICE AND APPLICABLE PLUMBING CODES. THEY SHALL BE THE SAME SIZE AS THE LINE IN WHICH THEY ARE INSTALLED, EXCEPT THE CLEANOUTS NEED NOT BE LARGER THAN 4" SIZE.



NOTE: TYP. FOR BOTH ADMIN. AND POLICE WING ADDITIONS

STORMWATER ISOMETRIC

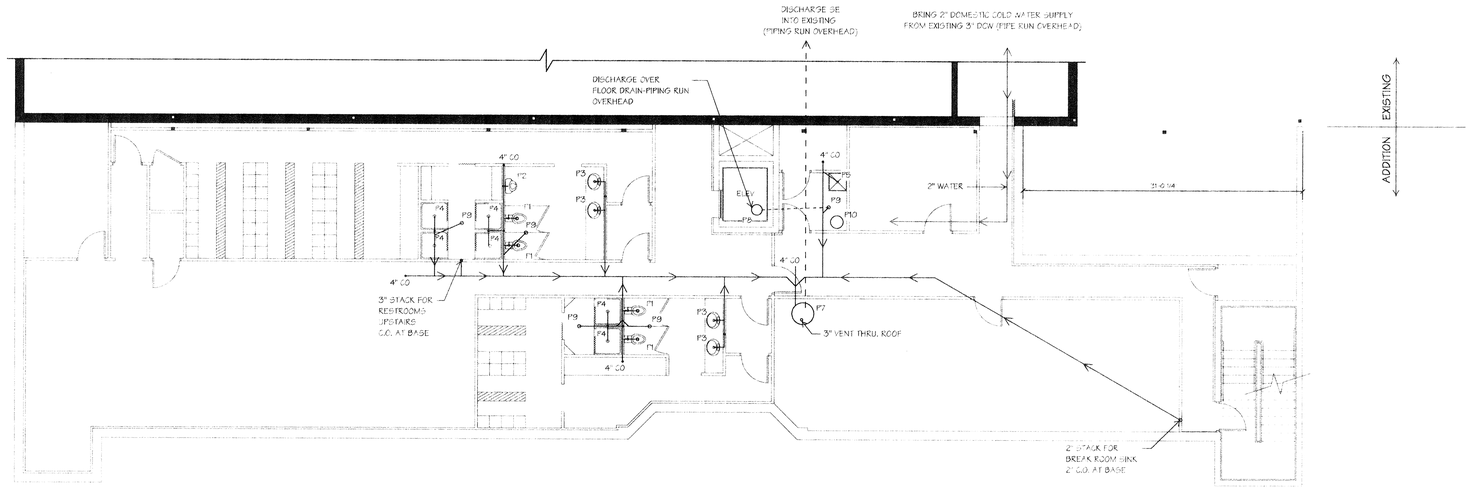
SCALE : N.T.S.



NOTE : TIE BACKFLOW PREVENTER RELIEF, WATER HEATER RELIEF, & MECH. UNIT CONDENSATION LINE TO MOP SINK.
NOTE : HORIZONTAL PIPING TO BE INSULATED

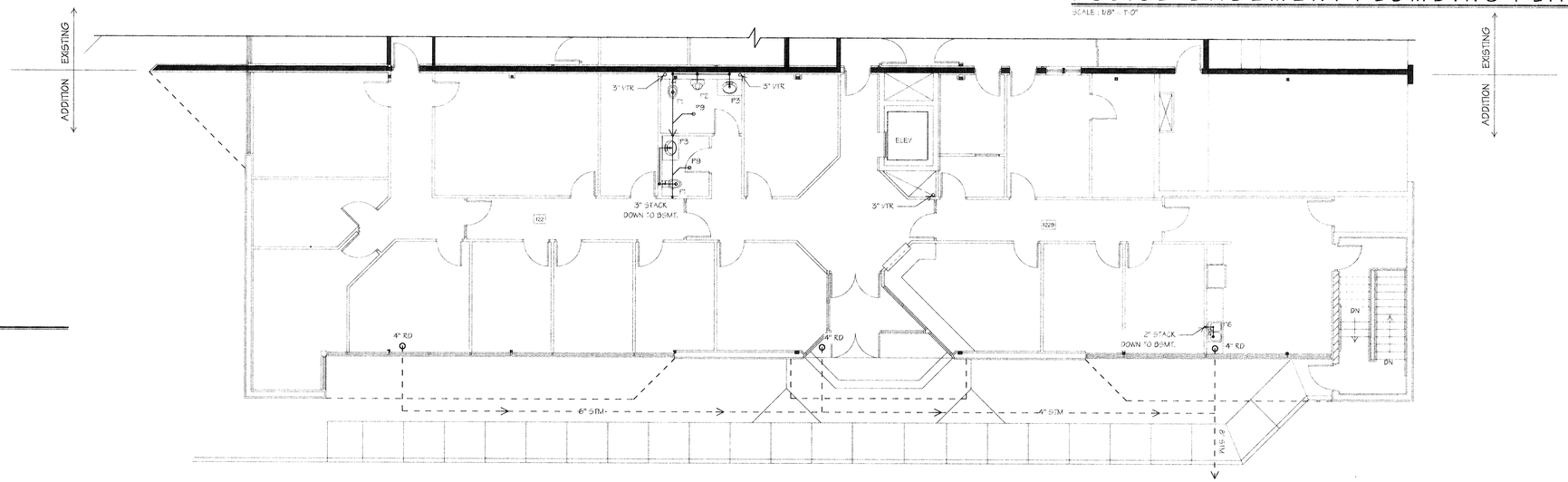
POLICE SANITARY ISOMETRIC

SCALE : N.T.S.



POLICE BASEMENT PLUMBING PLAN

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



NOTE: ROOF DRAINS TO HAVE A PVC EMERGENCYOVERFLOW

POLICE PLUMBING PLAN

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

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LOCATED AT 4200 DRYDEN ROAD MORAINE, OHIO 45439

STATE OF OHIO JOHN C COOKE 7179 REGISTERED ARCHITECT

15 OF 21
SHEET NUMBER

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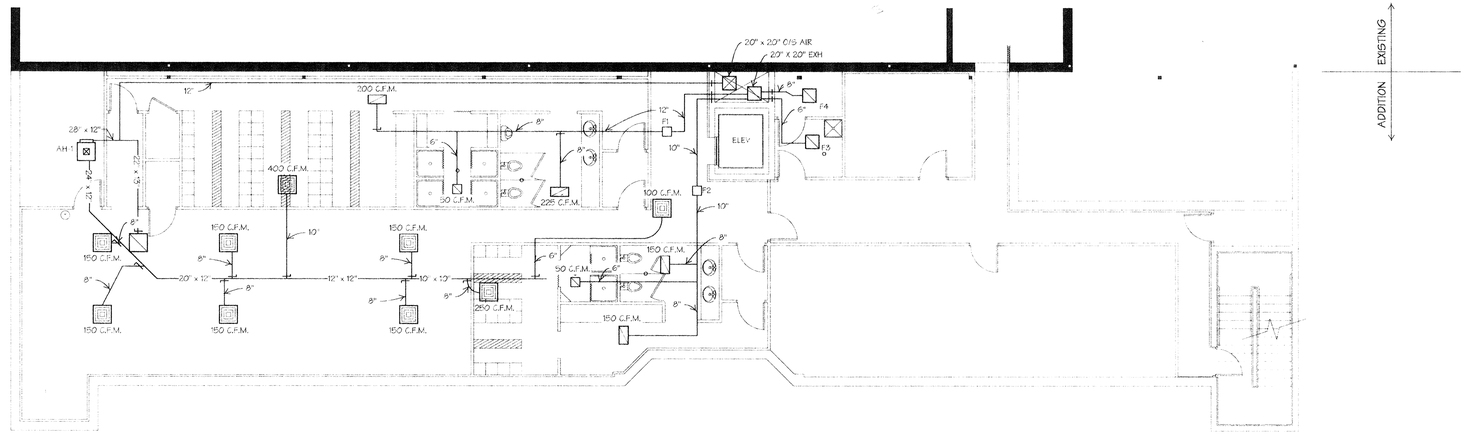
MECHANICAL DEVICE LEGEND

- 2' x 2' MECHANICAL SUPPLY DIFFFUSER - TUTTLE & BAILEY MODEL 1400 4 WAY BLOW
- 1' x 2' RETURN AIR GRILL - TUTTLE & BAILEY PT SERIES
- 1' x 1' RETURN AIR GRILL - TUTTLE & BAILEY PT SERIES
- EXHAUST FAN - SEE EQUIPMENT SCHEDULE
- THERMOSTAT

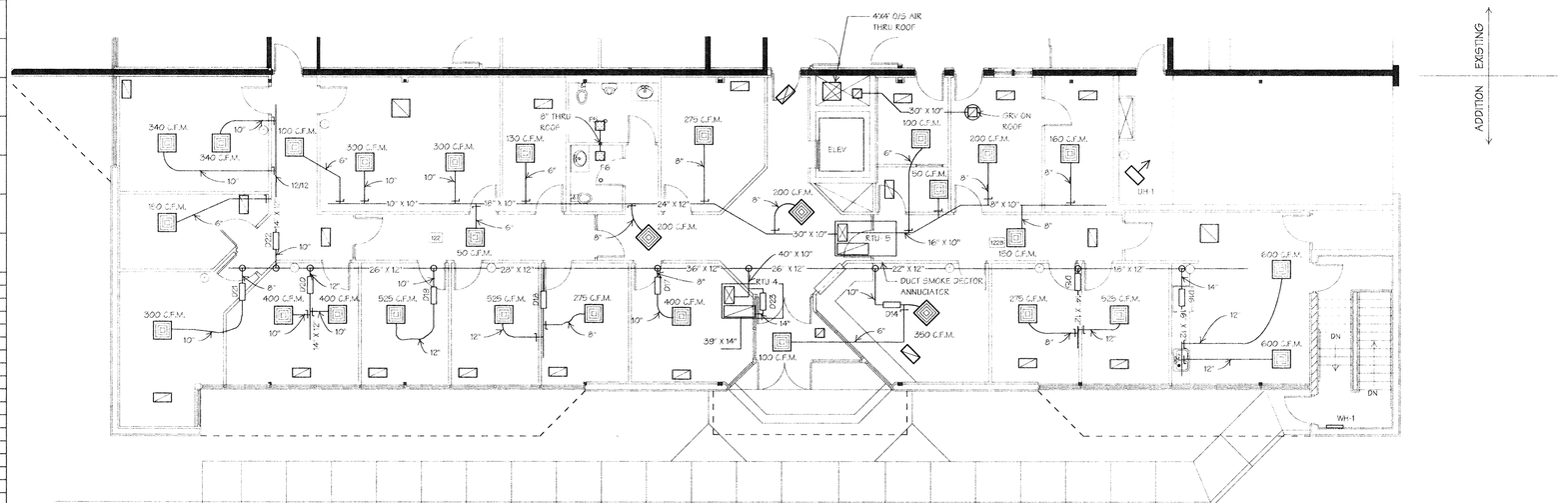
MECHANICAL EQUIPMENT

#	MANUFACTURER	MODEL #	DESCRIPTION	SIZE	NOTES
RTU-1	CARRIER	48TJE007	HVAC UNIT	208/230 V 3 PHASE 65,628 BTU TOTAL COOLING 58,086 BTU SENSIBLE COOLING 2,804 CFM 150,000 BTU HEATING	ACCESSORIES-CURB, ECONOMIZER, SMOKE DETECTOR
RTU-2	CARRIER	48TJE007	HVAC UNIT	208/230 V 3 PHASE 54,870 BTU TOTAL COOLING 47,879 BTU SENSIBLE COOLING 2,309 CFM 150,000 BTU HEATING	ACCESSORIES-CURB, ECONOMIZER, SMOKE DETECTOR
RTU-3	CARRIER	48TJE007	HVAC UNIT	208/230 V 3 PHASE 70,121 BTU TOTAL COOLING 52,129 BTU SENSIBLE COOLING 2,800 CFM 150,000 BTU HEATING	ACCESSORIES-CURB, ECONOMIZER, SMOKE DETECTOR
RTU-4	CARRIER	48TJE014	HVAC UNIT	208/230 V 3 PHASE 111,935 BTU TOTAL COOLING 93,141 BTU SENSIBLE COOLING 5,173 CFM 150,000 BTU HEATING	ACCESSORIES-CURB, ECONOMIZER, SMOKE DETECTOR
RTU-5	CARRIER	48TJE007	HVAC UNIT	208/230 V 3 PHASE 68,228 BTU TOTAL COOLING 51,270 BTU SENSIBLE COOLING 2,600 CFM	ACCESSORIES-CURB, ECONOMIZER, SMOKE DETECTOR
AH-1	CARRIER	FC4BN048005	AIR HANDLER	208/230 V 1 PHASE 39,975 BTU TOTAL COOLING 31,778 BTU SENSIBLE COOLING 1,700 CFM 10 KW ELECTRIC HEAT	
CU-1	CARRIER	38CKC036	COOLING UNIT	208/230 V 3 PHASE	ACCESSORIES-LOW AMBIENT CONTROL
UH-1	DAYTON	3E363	UNIT HEATER	208/230 V 1 PHASE 3KW ELECTRIC HEAT	
WH-1	FASCO	1535		120 V 1 PHASE 5120 BTU 12.5 AMPS	
F1	DAYTON	7C553	FAN	115 V 1 PHASE 475 CFM 0.75" E.S.P.	
F2	DAYTON	7C553	FAN	115 V 1 PHASE 350 CFM 0.75" E.S.P.	
F3	BROAN	361	FAN	115 V 1 PHASE 75 CFM 0.375" E.S.P.	
F4	BROAN	363	FAN	115 V 1 PHASE 150 CFM 0.375" E.S.P.	
F5	BROAN	363	FAN	115 V 1 PHASE 150 CFM 0.375" E.S.P.	
F6	BROAN	361	FAN	115 V 1 PHASE 75 CFM 0.375" E.S.P.	
D1			CONTROL DAMPER	10"	475 CFM
D2			CONTROL DAMPER	12"	730 CFM
D3			CONTROL DAMPER	10"	470 CFM
D4			CONTROL DAMPER	12"	640 CFM
D5			CONTROL DAMPER	8"	350 CFM
D6			CONTROL DAMPER	8"	280 CFM
D7			CONTROL DAMPER	14"	BYPASS
D8			CONTROL DAMPER	12"	700 CFM
D9			CONTROL DAMPER	12"	755 CFM
D10			CONTROL DAMPER	10"	500 CFM
D11			CONTROL DAMPER	10"	500 CFM
D12			CONTROL DAMPER	10"	500 CFM
D13			CONTROL DAMPER	14"	BYPASS
D14			CONTROL DAMPER	10"	450 CFM
D15			CONTROL DAMPER	12"	800 CFM
D16			CONTROL DAMPER	14"	1200 CFM
D17			CONTROL DAMPER	8"	400 CFM
D18			CONTROL DAMPER	12"	800 CFM
D19			CONTROL DAMPER	10"	525 CFM
D20			CONTROL DAMPER	12"	800 CFM
D21			CONTROL DAMPER	8"	300 CFM
D22			CONTROL DAMPER	10"	500 CFM
D23			CONTROL DAMPER	14"	BYPASS



POLICE BASEMENT MECHANICAL PLAN

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



POLICE MECHANICAL PLAN

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PROPOSED ADDITION
FOR
THE CITY OF MORAINE
LOCATED AT
4200 DRYDEN ROAD
MORAINE, OHIO 45439

STATE OF OHIO · JOHN C. COOKE · 7179 · REGISTERED ARCHITECT

16 OF 21
SHEET NUMBER

8-12-98
DATE

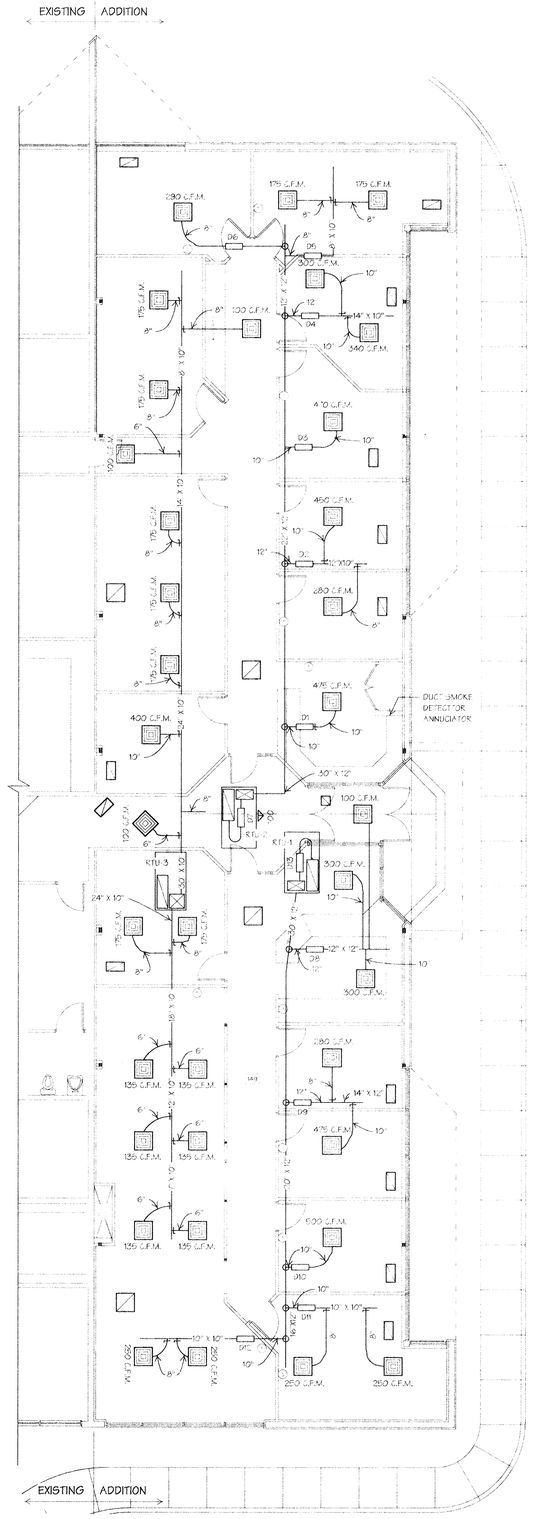
98027
PROJECT NUMBER

MECHANICAL NOTES

1. NEW MECHANICAL UNITS SHALL BE AS MANUFACTURED BY CARRIER. UNITS SHALL BE COMPLETE WITH OUTSIDE CONDENSING UNIT AND ALL GAS PIPING AS REQUIRED IN LOCATION AND MANNER INDICATED. UNITS SHALL OPERATE PROPERLY IN THE HORIZONTAL POSITION AND ARE TO BE INSTALLED COMPLETE WITH DUCTWORK AS INDICATED AND PER CODE REQUIREMENTS.
2. UNIT ENCLOSURES SHALL BE INSULATED AND CONSTRUCTED OF COLD ROLLED STEEL, BONDERIZED AND FINISHED WITH BAKED ENAMEL. SIDE SERVICE ACCESS PANELS SHALL BE PROVIDED FOR EASY ACCESS TO ALL COMPONENTS. REVERSIBLE FILTER RACK SHALL HAVE DUCT CONNECTION FLANGES AND SHALL BE EQUIPPED WITH PERMANENT TYPE FILTER THAT SLIDES OUT FOR MAINTENANCE.
3. FANS SHALL BE FORWARD CURVE WITH DOUBLE INLET, MOUNTED ON THE MOTOR SHAFT BOTH DYNAMICALLY AND STATICALLY BALANCED. THE MULTI-SPEED FAN MOTORS SHALL BE FACTORY LUBRICATED, HAVE INTERNAL OVERLOAD PROTECTION, BE RESILIENTLY MOUNTED AND SHALL NOT EXCEED 1/2 H.P. FOR EACH UNIT. THE FAN MOTOR ASSEMBLIES SHALL SLIDE OUT FOR SERVICE.
4. COOLING COIL FOR EACH UNIT SHALL BE CONSTRUCTED WITH ALUMINUM PLATE FINS MECHANICALLY BONDED TO NONFERROUS TUBING WITH ALL JOINTS BRAISED. COILS SHALL HAVE FACTORY INSTALLED REFRIGERANT METERING DEVICES, REFRIGERANT LINE FITTINGS WHICH PERMIT MECHANICAL CONNECTIONS, TWO CONDENSATE PANS WITH PRIMARY AND AUXILIARY DRAIN CONNECTIONS ON EACH UNIT SHALL BE REQUIRED.
5. ELECTRICAL REQ. OF EACH UNIT SHALL BE AS LISTED BY THE EQUIPMENT MANUF. AND SHALL HAVE A TOTAL CONNECTED LOAD ACCORDINGLY.
6. THE CONDENSING UNIT SHALL BE EQUIPPED WITH A DISCONNECT PER MANUF. SPEC.
7. GRILLES, REGISTERS & DIFFUSERS TO BE INSTALLED PER M-307.6.
8. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS COORDINATE ALL EQUIPMENT LOCATIONS WITH ASSOC. CONTRACTORS PRIOR TO INSTALLATION.
9. ALL DUCTWORK SHALL BE LOW CARBON GALVANIZED SHEET METAL - SMACNA STANDARDS SHALL APPLY. INSULATE ROUND DUCT ON OUTSIDE WITH 1" FIBERGLASS DUCT WRAP WITH A FACTORY APPLIED REINFORCED VAPOR BARRIER. SQUARE DUCT SHALL HAVE 1" DUCT LINER. WRAP / SEAL ALL DUCT JOINTS WITH 2" ALUM FOIL DUCT TAPE. NOTE DUCT SIZES ARE CLEAR INSIDE DIMENSION. VERIFY AND COORDINATE ALL DUCT LOCATIONS. MAXIMUM FLEX DUCT LENGTH SHALL BE SIX (6) FEET.
10. MECHANICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED FLASHING FOR ALL ASSOCIATED PENETRATIONS. PROVIDE ALL OPENINGS, HEADERS, LINTELS, SLEEVES, ETC., AS REQUIRED FOR PENETRATIONS THROUGH WALLS & ROOF.
11. EXHAUST FANS SHALL TIE TO WALL VENT BACKDRAFT DAMPERS & CAP. WIRED BY E.C.
12. M.C. SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR THE WORK IN THIS SECTION.
13. ALL LAWS AND REGULATIONS WHICH MAY BEAR UPON ON IN ANY WAY AFFECT THE WORK INVOLVED IN THIS SECTION SHALL BE COMPLIED WITH. THE CONTRACTOR SHALL NOT KNOWINGLY INSTALL ANY WORK CONTRARY TO APPLICABLE CODES AND REGULATION AND SHALL INFORM THE ARCHITECT OF ANY DISCREPANCY THAT MAY OCCUR BETWEEN THE PLANS AND SPECIFICATIONS AND EXISTING CODES AND REGULATIONS.
14. THE CONTRACTOR SHALL INCLUDE ALL FEES / CHARGES IMPOSED BY THE LOCAL INSPECTION AGENCY, OTHER CONTRACTORS AND/OR TRADESMEN, PROFESSIONAL CONSULTANT, ETC., FOR SERVICES RENDERED IN CONNECTION WITH THE EXECUTION OF ANY PORTION OF THE WORK SHOWN ON THE DRAWINGS OR HEREIN AFTER SPECIFIED, REQUIRED BY LOCAL, CITY, COUNTY, OR STATE AUTHORITY.
15. INSTALL ALL WORK IN A NEAT AND ORDERLY MANNER. ALL EQUIPMENT AND MATERIALS SHALL BE NEW.
16. PROVIDE AND INSTALL TURNING VANES IN SUPPLY DUCTWORK AS REQUIRED.
17. PROVIDE AND INSTALL FRESH AIR PER CODE REQUIREMENTS FOR EACH AIR HANDLER UNIT. INSTALL PER CODE AND MANUFACTURER REQUIREMENTS.
18. PROVIDE AND INSTALL PVC CONDENSATION DRAIN LINES FOR EQUIPMENT PER MANUFACTURER SPECIFICATIONS AND SLOPE TO MOP BASIN.
19. DIFFUSERS SHALL HAVE BALANCING DAMPERS AT START OF DUCT - NOT AT DIFFUSER.
20. AIR HANDLER UNITS GREATER THAN 2000 CFM SHALL BE EQUIPPED WITH SUPPLY SMOKE DETECTORS THAT SHUT DOWN THE UNITS IN CASE OF A FIRE PER M-309.2.1. INSTALL PER CODE AND MANUFACTURER REQUIREMENTS. PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
21. THE THERMOSTAT SHALL CONTROL THE HEATING AND COOLING AS REQUIRED TO MAINTAIN SPACE CONDITIONS. HONEYWELL T-7300 7-DAY PROGRAMMABLE AUTO CHANGEOVER THERMOSTAT OR EQUAL.
22. OUTDOOR EQUIPMENT INSTALLATION SHALL BE PER M-405.1 & M-407.1.
23. DUCTWORK SHALL BE METAL CONFORMING WITH UL 181 LISTING PER M-304.2.
24. FLEXIBLE DUCT BRANCH RUNS SHALL CONFORM WITH UL 181 AND MEET REQUIREMENT OF M-305.2.
25. OUTSIE AIR, EXHAUST AND INTAKE OPENINGS SHALL BE INSTALLED AND LOCATED PER M-308.1.1.
26. FRESH OUTDOOR AIR SHALL BE INTRODUCED INTO THE BUILDING THROUGH THE OUTSIDE AIR INTAKE HOODS & DAMPERS INSTALLED ON THE ROOFTOP EQUIPMENT. REQUIRED OUTDOOR AIR SHALL PER M-1604.3.
27. DUCTWORK SHALL BE SUPPORTED PER M-307.2.

MECHANICAL DEVICE LEGEND

- 2 x 2 MECHANICAL SUPPLY DIFFFUSER - TUTTLE & BAILEY MODEL 1400 4 WAY BLOW
- 1 x 2 RETURN AIR GRILL - TUTTLE & BAILEY PT SERIES
- 1 x 1 RETURN AIR GRILL - TUTTLE & BAILEY PT SERIES
- EXHAUST FAN - SEE EQUIPMENT SCHEDULE
- THERMOSTAT



ADMINISTRATIVE MECHANICAL PLAN

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

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PROPOSED ADDITION
FOR
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LOCATED AT:
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STATE OF OHIO · JOHN C COOKE · 7179 · REGISTERED ARCHITECT

17 OF 21
SHEET NUMBER

8-12-98
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ELECTRIC NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH ALL LOCAL, STATE, AND ANY OTHER GOVERNING CODES INCLUDING THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.)
2. ALL ELECTRICAL WORK SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
3. ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH CIRCUIT PROTECTION AND SAFETY DISCONNECT IN ACCORDANCE WITH N.E.C. WHETHER OR NOT SO SCHEDULED.
4. ALL CONDUCTORS NOTED ON PLANS SHALL BE SOLID OR STRANDED COPPER. INSTALLATION SHALL BE 600 VAC TYPE THH (75 DEG.) OR THHN/THWN (90 DEG.) MIN. SIZE SHALL BE #12 AWG. UNLESS NOTED OTHERWISE.
5. SEPARATE GROUND ARE REQUIRED FOR ALL MOTORS, NON-METALLIC AND FLEXIBLE METALLIC RACEWAYS.
6. ALL OUTLET AND JUNCTION BOXES SHALL BE GALVANIZED OR SHERIDIZED AND SHALL BEAR U.L. LABEL.
7. BATHROOM EXHAUST FANS SHALL BE SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR - POWER SUPPLIED BY E.C.
8. USE LIQUID TIGHT FLEXIBLE CONDUIT FOR MAKE-UP TO FURNACE AND CONDENSING UNITS.
9. ALL TELEPHONE OUTLET FINAL LOCATIONS SHALL BE COORDINATED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. CONTRACTOR SHALL REFER TO ARCHITECTURAL CEILING LAYOUT FOR LOCATION OF DEVICES AND FIXTURES IN CEILING.
11. CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO BE INSTALLED ON ALL BREAKERS FOR HEATING CONTROL AND ESSENTIAL USES.
12. THIS CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING IN MANNER ACEPTABLE TO THE ARCHITECT AS A RESULT OF PROVIDING ALL WORK SHOWN ON THE DRAWING.
13. WIRING DEVICES SHALL BE PREMIUM SPECIFICATION GRADE. PROVIDE SMOOTH BRUSHED ALUMINUM COVER PLATES FOR ALL DEVICES SUBJECT TO ABUSE AS APPROVED BY THE OWNER. ALL OTHER DEVICES SHALL RECIEVE PLASTIC COVER PLATES. COLOR AS APPROVED BY OWNER.
14. ALL TELEPHONE AND DATA WIRING SHALL BE THE RESPONSIBILITY OF THE OWNER, UNLESS NOTED OTHERWISE.
15. ALL FLOOR AND WALL PENETRATIONS WHICH ARE TO BE FIRE SEALED SHALL BE SEALED USING SEALANT AS MANUFACTURED BY DOW CORING 3-6548 SILICONE RTV FOAM (OR APPROVED EQUAL) INSTALLATION TO BE PER MANUFACTURER'S SPECIFICATION.
16. ALL EXPOSED CONDUIT SHALL BE ELECTRICAL METALLIC TUBING.
17. ELECTRICAL CONTRACTOR SHALL IDENTIFY AND LABEL ALL CIRCUIT DIRECTORIES IN PANELBOARDS.
18. LOADING INFORMATION: UTILIZATION EQUIPMENT RATED GREATER THAN 1000 WATTS SHALL HAVE A POWER FACTOR NOT LESS THAN 85%. VOLTAGE DROP DOES NOT EXCEED 3% IN BRANCH CIRCUITS OF FEEDERS: TOTAL VOLTAGE DROP DOES NOT EXCEED 5%.
19. ELECTRICAL CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY ALL INSPECTION, PERMITS, LICENSE AND THEIR SERVICE FEES REQUIRED BY AUTHORITIES HAVING JURISDICATION OVER WORK IN ELECTRICAL PORTIONS OF THE CONTRACT.
20. ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT LOCATION, RATINGS AND CONNECTIONS WITH INSTALLING CONTRACTOR PRIOR TO INSTALLATION. MAKE ALL ADJUSTMENTS AS REQUIRED. PROVIDE DISCONNECTS AS REQUIRED AND NEMA 3R OUTDOOR. FUSES TO BE R-E ON ALL MOTORS.
21. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING PREMISES CLEAN AND FREE OF DEBRIS AS A RESULT OF HIS WORK, THOROUGHLY CLEAN PANELBOARDS, AND OTHER ELECTRICAL EQUIPMENT. REMOVE MARKINGS OR OTHER FOREIGN MATERIAL. TOUCH UP PAINT AS REQUIRED AND IDENTIFY EQUIPMENT WITH ENGRAVED NAMEPLATES.
22. E.C. TO PROVIDE ONE EACH OF THE FOLLOWING IN WEATHERPROOF ENCLOSURES, AND MOUNTED ON SIDE OF EACH NEW ROOF TOP UNIT: GFI RECEPTACLE & SERVICE LIGHT

DEVICE LEGEND

- 2' x 4' FLUORESCENT LAY-IN LIGHT FIXTURE "METALUX" W/ ELECTRONIC BALLAST, T-8 LAMPS (4) & STANDARD PRISMATIC LENS
- 2' x 2' FLUORESCENT LAY IN LIGHT FIXTURE "METALUX" W/ ELECTRONIC BALLAST, T-8 LAMPS (4) & STANDARD PRISMATIC LENS
- RECESSED FLUORESCENT "HALO" OR EQUAL W/ P 126 LAMP & WHITE BAFFLE
- EXIT SIGN WITH GENERATOR POWER BACKUP "SURE-LITES" OR EQUAL
- 2' x 2' MECHANICAL SUPPLY DIFFFUSER
- 1' x 2' RETURN AIR GRILL
- EXHAUST FAN
- THERMOSTAT
- $_3 GENERAL PURPOSE 3 WAY SWITCH @ 48" A.F.F.
- $ GENERAL PURPOSE SWITCH @ 48" A.F.F.
- TELEPHONE / DATA OUTLETS @ 18" A.F.F. W/ 3/4" CONDUIT STUBBED OUT ABOVE CEILING FOR PLENUM RATED PHONE & DATA WIRING BY OTHERS
- 120V. 20A 1Ø DUPLEX RECEPTACLE @ 18" A.F.F. PASS & SEYMORE OR EQUAL
- DISCONNECT

NOTE: ALL NIGHT LIGHTS TO BE LOADED ON GENERATOR PANEL

PANELBOARD SCHEDULE

PANEL LP1 — TYPE: 42 SPACE — 120/208 VOLT — 225 AMPERE — 3 PHASE 4 WIRE — MAIN LUGS

MOUNTING: SURFACE

BRANCH BREAKERS

ITEM	AMP RATING	POLE	CIRCUIT NO.	LEFT A	PHASE B	LOADING C	RIGHT A	PHASE B	LOADING C	CIRCUIT NO.	POLE	AMP RATING	ITEM
OUTSIDE POLE LIGHT	20	1	1	3150			4437			2	3	80	ELEVATOR
OUTSIDE POLE LIGHT	20	1	3		3150			4437		4			"
ELEV SUMP PUMP	20	1	5			1000			4437	6			"
			7				2849			8	1	20	GRINDER PUMP
RTU-4	70	3	9		4136			1080		10	1	20	205 RECPT.
"			11			4136			720	12	1	20	LOCKER RECPT.
"			13	4136			720			14	1	20	W. LOCKERS RECPT.
RTU-5	40	3	15			2268			1080	16	1	20	RM. 201,016 RECPT.
"			17				2268			18	1	20	017,019 RECPT.
"			19	2268				180		20	1	20	PANEL RECPT.
CU-1	15	3	21		867				1700	22	2	20	UH-1
"			23			867				24			"
"			25	867			1000			26	1	20	WATER PUMP
SEWAGE EJECTOR	20	2	27		1040					28			
"			29			1040				30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			
				10420	11460	9310	9186	8297	7837				
				19606	19977	17247		TOTALS					

FEEDER SIZE: (4) 3/0 THHN CU

FED FROM: BOTTOM

56610 — TOTAL CONNECTED LOAD IN WATTS @ 208 VOLTS 3Ø 4 WIRE = 157 F.L.A.

INTEGRATED EQUIPMENT RATING: 10000 AMPS RMS SYS

PANEL BOARD SCHEDULE

PANEL LP2 — TYPE: 42 SPACE — 120/208 VOLT — 225 AMPERE — 3 PHASE 4 WIRE — MAIN LUGS

MOUNTING: SURFACE

BRANCH BREAKERS

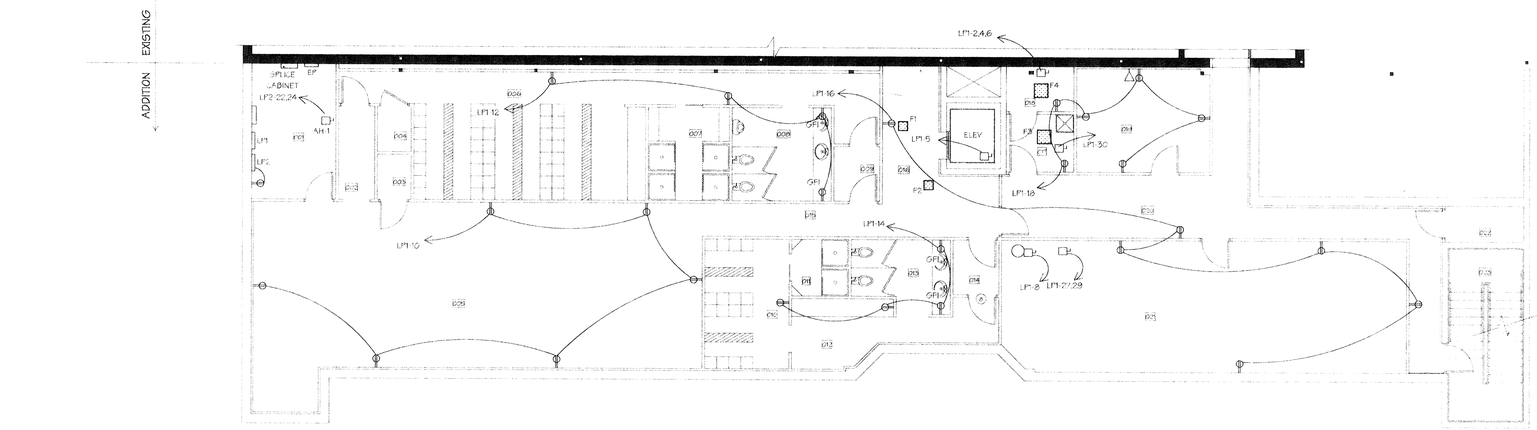
ITEM	AMP RATING	POLE	CIRCUIT NO.	LEFT A	PHASE B	LOADING C	RIGHT A	PHASE B	LOADING C	CIRCUIT NO.	POLE	AMP RATING	ITEM
RM 001,007 LIGHTS	20	1	1	1100			1300			2	1	20	EXT. LIGHTING
006 LIGHTS	20	1	3		1152			1000		4	1	20	SALLY PORT
005 LIGHTS	20	1	5			912			1000	6	1	20	DRINKING FOUNTAIN
008 LIGHTS	20	1	7	912			720			8	1	20	126 RECPT.
010-013 LIGHTS	20	1	9		736			900		10	1	20	RM 127 RECPT.
017-020 LIGHTS	20	1	11			1138			1620	12	1	20	123,124,126 RECP.
021 LIGHTS	20	1	13	1000			1080			14	1	20	118,114 RECPT.
124,126,127 LIGHTS	20	1	15		1016			1080		16	1	20	121,119 RECPT.
114,118,121,123 LIGHTS	20	1	17			1482			1260	18	1	20	116,107,104 RECPT.
116,117,120,125 LIGHT	20	1	19	1140			720			20	1	20	109,106 RECPT.
115,110,111,108,109 LT.	20	1	21		1140			720		22	1	20	106,105 RECPT.
109 LIGHTS	20	1	23			920			540	24	1	20	106,105 RECPT.
SALLY LIGHTS	20	1	25	1200			540			26	1	20	103 RECPT.
106,105,103,102 LT.	20	1	27		1140			1002		28	1	20	KEYS
			29						5800	30	3	60	AH-1
			31				5800			32			"
			33					1800		34	1	20	WH-1
			35							36			
			37							38			
			39							40			
			41							42			
				5362	8194	4812	10160	6200	7269				
				15512	11394	11781		TOTALS					

FEEDER SIZE: (4) 3/0 THHN CU

FED FROM: BOTTOM

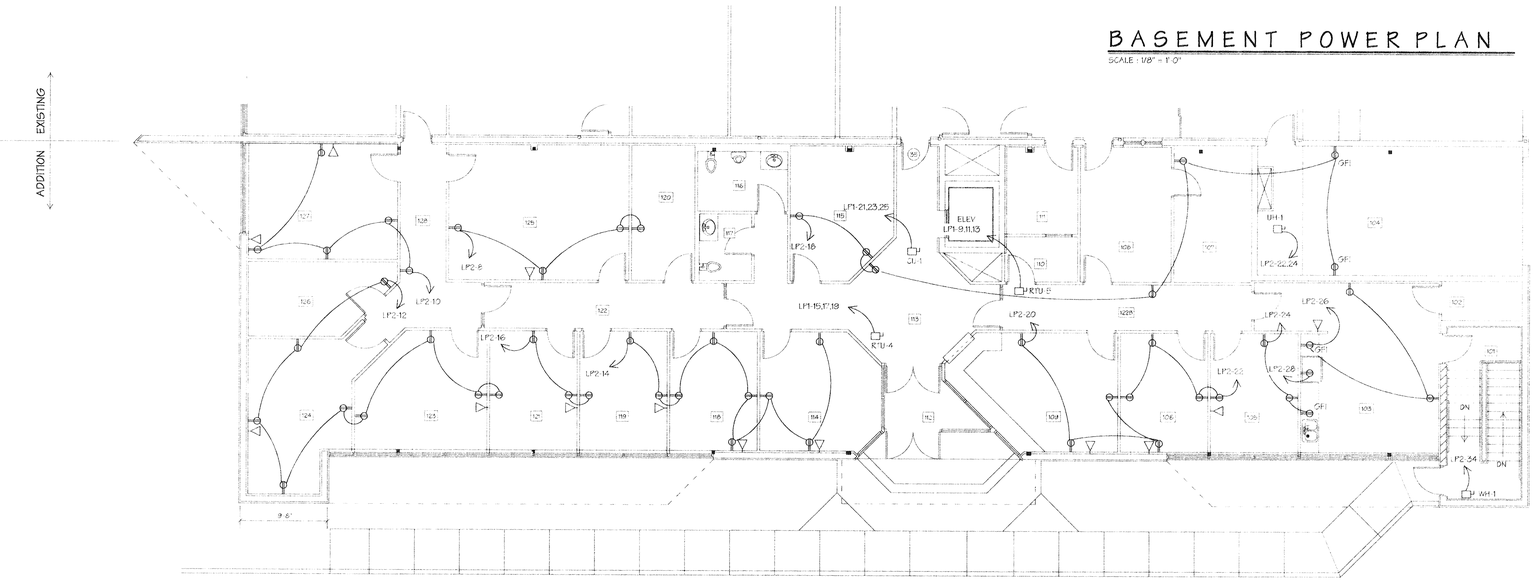
38687 — TOTAL CONNECTED LOAD IN WATTS @ 208 VOLTS 3Ø 4 WIRE = 107 F.L.A.

INTEGRATED EQUIPMENT RATING: 10000 AMPS RMS SYS



BASEMENT POWER PLAN

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



POLICE POWER PLAN

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

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PROPOSED ADDITION FOR THE CITY OF MORAINE
LOCATED AT: 4200 DRYDEN ROAD MORAINE, OHIO 45439

STATE OF OHIO — JOHN C COOKE — 7179 — REGISTERED ARCHITECT

18 OF 21
SHEET NUMBER

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98027
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DEVICE LEGEND

- 2' x 4' FLUORESCENT LAY-IN LIGHT FIXTURE "METALUX" W/ ELECTRONIC BALLAST, T-8 LAMPS (4) & STANDARD PRISMATIC LENS
- 2' x 2' FLUORESCENT LAY-IN LIGHT FIXTURE "METALUX" W/ ELECTRONIC BALLAST, T-8 LAMPS (4) & STANDARD PRISMATIC LENS
- RECESSED FLUORESCENT "HALO" OR EQUAL W/ F 126 LAMP & WHITE BAFFLE
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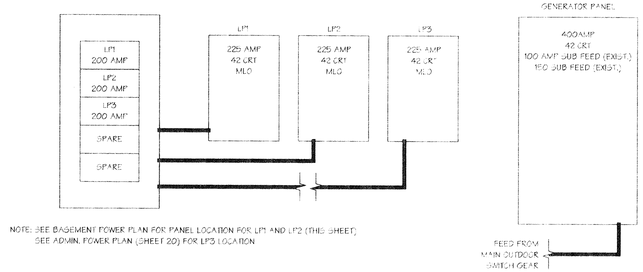
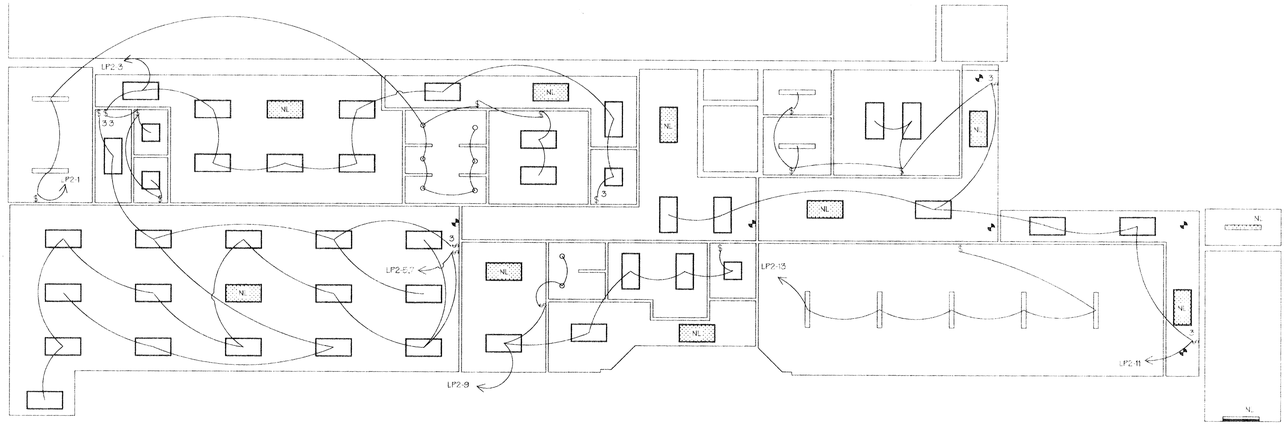
NOTE: ALL NIGHT LIGHTS TO BE LOADED ON GENERATOR PANEL



NOTE: SEE BASEMENT POWER PLAN FOR PANEL LOCATION FOR LP1 AND LP2 (THIS SHEET) SEE ADMIN. POWER PLAN (SHEET 20) FOR LP3 LOCATION

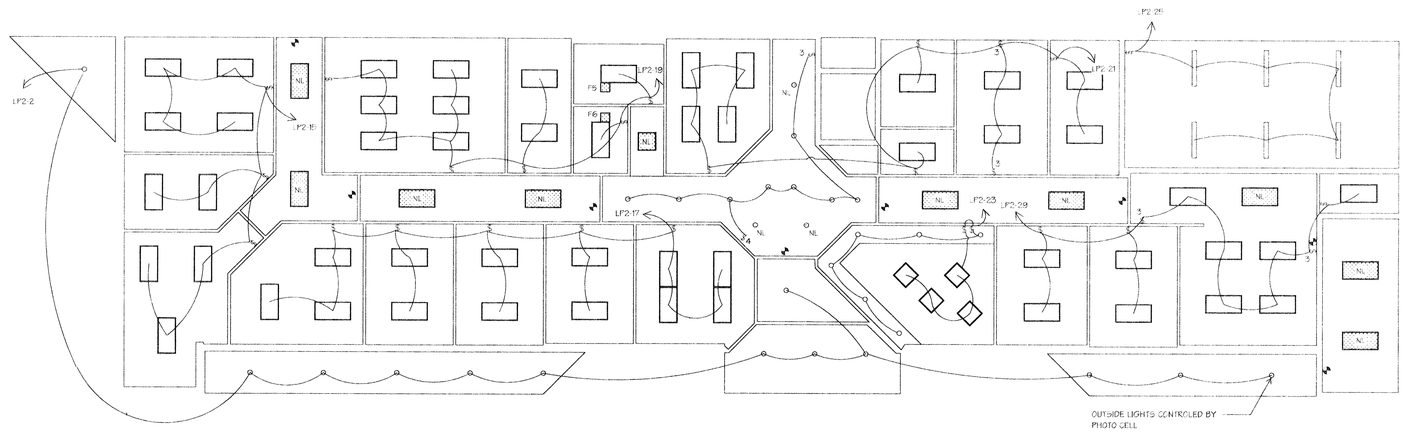
ELECTRICAL PANEL DIAGRAM

SCALE : N.T.S.



BASEMENT LIGHTING PLAN

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



POLICE LIGHTING PLAN

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

BRYDEN BUILDERS
Building Relationships Into Satisfied Customers
1741 Thomas Paine Parkway
Dayton, Ohio 45459
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PROPOSED ADDITION FOR
THE CITY OF MORAINE
LOCATED AT
4200 DRYDEN ROAD
MORAINE, OHIO 45439

STATE OF OHIO · JOHN C COOKE · 7179 · REGISTERED ARCHITECT

19 OF 21
SHEET NUMBER

8-12-98
DATE

98027
PROJECT NUMBER

ELECTRIC NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH ALL LOCAL, STATE, AND ANY OTHER GOVERNING CODES INCLUDING THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.)
2. ALL ELECTRICAL WORK SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
3. ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED WITH CIRCUIT PROTECTION AND SAFETY DISCONNECT IN ACCORDANCE WITH N.E.C. WHETHER OR NOT SO SCHEDULED.
4. ALL CONDUCTORS NOTED ON PLANS SHALL BE SOLID OR STRANDED COPPER. INSTALLATION SHALL BE 600 VAC TYPE THW (75 DEG.) OR THHN/THWN (90 DEG.) MIN. SIZE SHALL BE #12 AWG. UNLESS NOTED OTHERWISE.
5. SEPARATE GROUND WIRE REQUIRED FOR ALL MOTORS, NON-METALLIC AND FLEXIBLE METALLIC RACEWAYS.
6. ALL OUTLET AND JUNCTION BOXES SHALL BE GALVANIZED OR SHERDIZED AND SHALL BEAR U.L. LABEL.
7. BATHROOM EXHAUST FANS SHALL BE SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR - POWER SUPPLIED BY E.C.
8. USE LIQUID TIGHT FLEXIBLE CONDUIT FOR MAKE UP TO FURNACE AND CONDENSING UNITS.
9. ALL TELEPHONE OUTLET FINAL LOCATIONS SHALL BE COORDINATED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. CONTRACTOR SHALL REFER TO ARCHITECTURAL CEILING LAYOUT FOR LOCATION OF DEVICES AND FIXTURES IN CEILING.
11. CIRCUIT BREAKER HANDLE LOCK-ON DEVICES TO BE INSTALLED ON ALL BREAKERS FOR HEATING CONTROL AND ESSENTIAL USES.
12. THIS CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING IN MANNER ACEPTABLE TO THE ARCHITECT AS A RESULT OF PROVIDING ALL WORK SHOWN ON THE DRAWING.
13. WIRING DEVICES SHALL BE PREMIUM SPECIFICATION GRADE. PROVIDE SMOOTH BRUSHED ALUMINUM COVER PLATES FOR ALL DEVICES SUBJECT TO ABUSE AS APPROVED BY THE OWNER. ALL OTHER DEVICES SHALL RECIEVE PLASTIC COVER PLATES. COLOR AS APPROVED BY OWNER.
14. ALL TELEPHONE AND DATA WIRING SHALL BE THE RESPONSIBILITY OF THE OWNER, UNLESS NOTED OTHERWISE.
15. ALL FLOOR AND WALL PENETRATIONS WHICH ARE TO BE FIRE SEALED SHALL BE SEALED USING SEALANT AS MANUFACTURED BY DOW CORING 3-6548 SILICONE RTV FOAM (OR APPROVED EQUAL) INSTALLATION TO BE PER MANUFACTURER'S SPECIFICATION.
16. ALL EXPOSED CONDUIT SHALL BE ELECTRICAL METALLIC TUBING.
17. ELECTRICAL CONTRACTOR SHALL IDENTIFY AND LABEL ALL CIRCUIT DIRECTORIES IN PANELBOARDS.
18. LOADING INFORMATION: UTILIZATION EQUIPMENT RATED GREATER THAN 1000 WATTS SHALL HAVE A POWER FACTOR NOT LESS THAN 85%. VOLTAGE DROP DOES NOT EXCEED 3% IN BRANCH CIRCUITS OF FEEDERS. TOTAL VOLTAGE DROP DOES NOT EXCEED 5%.
19. ELECTRICAL CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY ALL INSPECTION, PERMITS, LICENSE AND THEIR SERVICE FEES REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER WORK IN ELECTRICAL PORTIONS OF THE CONTRACT.
20. ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT LOCATION, RATINGS AND CONNECTIONS WITH INSTALLING CONTRACTOR PRIOR TO INSTALLATION. MAKE ALL ADJUSTMENTS AS REQUIRED. PROVIDE DISCONNECTS AS REQUIRED AND NEMA 3R OUTDOOR. FUSES TO BE R.E.C.N. ALL MOTORS.
21. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING PREMISES CLEAN AND FREE OF DEBRIS AS A RESULT OF HIS WORK. THOROUGHLY CLEAN PANELBOARDS, AND OTHER ELECTRICAL EQUIPMENT. REMOVE MARKINGS OR OTHER FOREIGN MATERIAL. TOUCH UP PAINT AS REQUIRED AND IDENTIFY EQUIPMENT WITH ENGRAVED NAMEPLATES.
22. E.C. TO PROVIDE ONE EACH OF THE FOLLOWING IN WEATHERPROOF ENCLOSURES, AND MOUNTED ON SIDE OF EACH NEW ROOF TOP UNIT: GFI RECEPTACLE & SERVICE LIGHT

DEVICE LEGEND

- 2' x 4' FLUORESCENT LAY-IN LIGHT FIXTURE "METALUX" W/ ELECTRONIC BALLAST, T-8 LAMPS (4) & STANDARD PRISMATIC LENS
- 2' x 2' FLUORESCENT LAY-IN LIGHT FIXTURE "METALUX" W/ ELECTRONIC BALLAST, T-8 LAMPS (4) & STANDARD PRISMATIC LENS
- RECESSED FLUORESCENT "HALO" OR EQUAL W/ F 126 LAMP & WHITE BAFFLE
- EXIT SIGN WITH GENERATOR POWER BACKUP "SURE-LITES" OR EQUAL
- 2' x 2' MECHANICAL SUPPLY DIFFFUSER
- 1' x 2' RETURN AIR GRILL
- EXHAUST FAN
- THERMOSTAT
- $_3 GENERAL PURPOSE 3 WAY SWITCH @ 48" A.F.F.
- $ GENERAL PURPOSE SWITCH @ 48" A.F.F.
- TELEPHONE / DATA OUTLETS @ 18" A.F.F. W/ 3/4" CONDUIT STUBBED OUT ABOVE CEILING FOR PLENUM RATED PHONE & DATA WIRING BY OTHERS
- 120V. 20A 1Ø DUPLEX RECEPTACLE @ 18" A.F.F. PASS & SEYMORE OR EQUAL
- DISCONNECT

NOTE: ALL NIGHT LIGHTS TO BE LOADED ON GENERATOR PANEL

PANELBOARD SCHEDULE

PANEL LP3 — TYPE: 42 SPACE — 120/208 VOLT — 3 PHASE 4 WIRE
MOUNTING: SURFACE — 225 AMPERE — MAIN LUGS

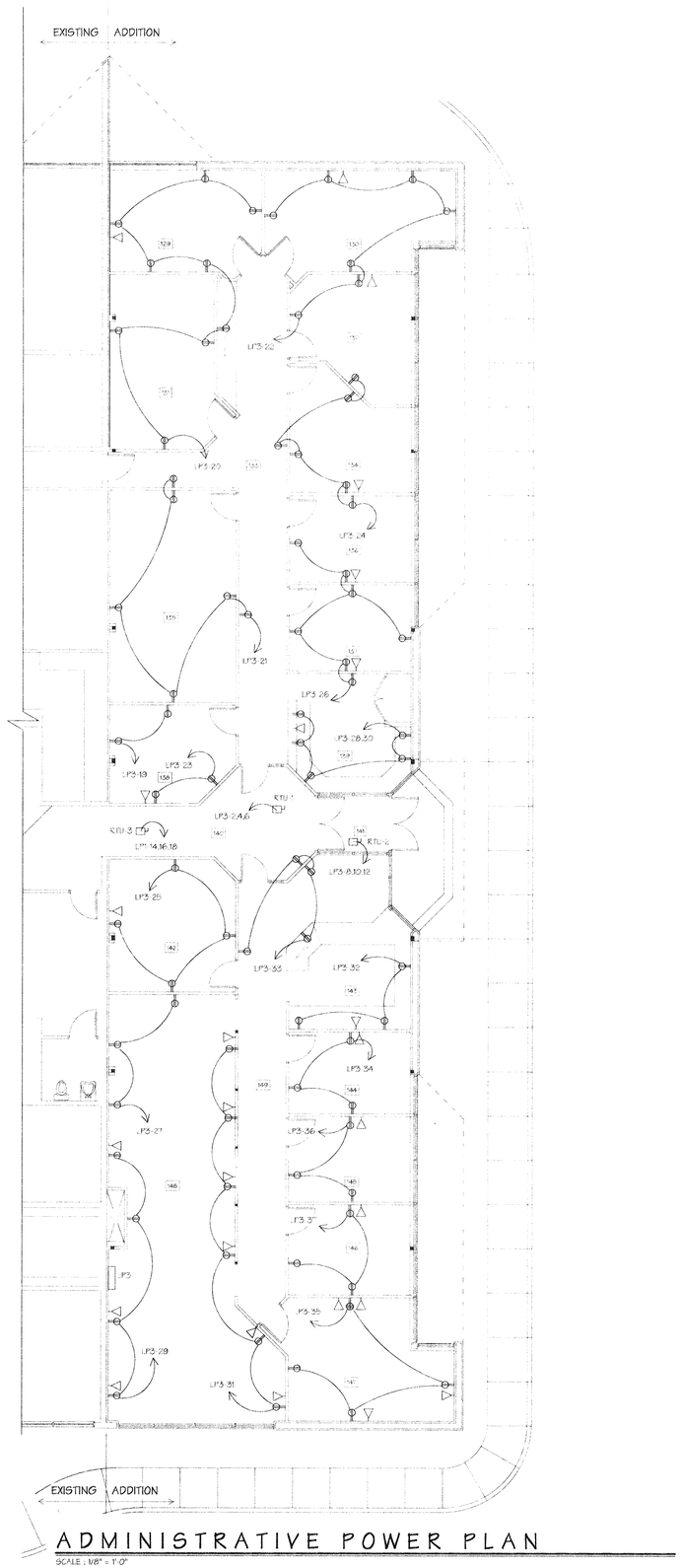
BRANCH BREAKERS

ITEM	AMP RATING	POLE	CIRCUIT NO.	LEFT A	LEFT B	LEFT C	RIGHT A	RIGHT B	RIGHT C	CIRCUIT NO.	POLE	AMP RATING	ITEM
148 LIGHTING	20	1	1	1368			2268			2	3	40	RTU-1
148 RECPT.	20	1	3		720			2268		4	"	"	"
142,143 LIGHT	20	1	5			1844			2268	6	"	"	"
ENTRY LIGHT	20	1	7	600			2268			8	3	40	RTU-2
144-147 LIGHT	20	1	9		1140			2268		10	"	"	"
EXTERIOR LIGHT	20	1	11			1200			2268	12	"	"	"
139 LIGHT	20	1	13	700			2268			14	3	40	RTU-3
132-138 LIGHT	20	1	15		1368			2268		16	"	"	"
129-131 LIGHT	20	1	17			1868			2268	18			
138 RECPT.	20	1	19	360			1620			20			131,129 RECPT.
135 RECPT.	20	1	21		1080			1260		22			130,132 RECPT.
138 RECPT.	20	1	23			360			1080	24			134,136 RECPT.
142 RECPT.	20	1	25	720			1200			26			37,139 RECPT.
			27							28			
			29							30			
148 RECPT.	20	1	31	1080			540			32	1	20	143 RECPT.
LOBBY RECPT.	20	1	33		720			540		34	1	20	144 RECPT.
147 RECPT.	20	1	35			720			540	36	1	20	145 RECPT.
146 RECPT.	20	1	37	540						38			
			39							40			
			41							42			
				5368	5028	5992	12164	8604	8424				
				15532	13632	14416	TOTALS						

FEEDER SIZE: (4) 3/0 THHN CU
FED FROM: BOTTOM

43580 TOTAL CONNECTED LOAD IN WATTS @ 208 VOLTS 3Ø 4 WIRE = 121 FLA

INTEGRATED EQUIPMENT RATING: 10000
AMPS RMS SYS



ADMINISTRATIVE POWER PLAN

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

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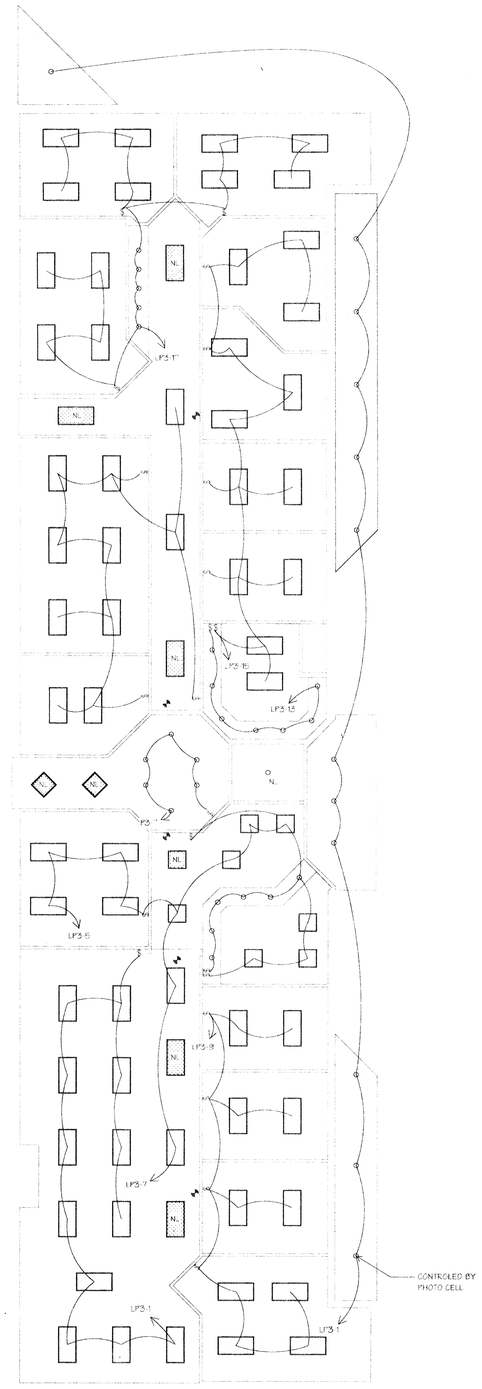

ADMINISTRATIVE LIGHTING PLAN

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

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