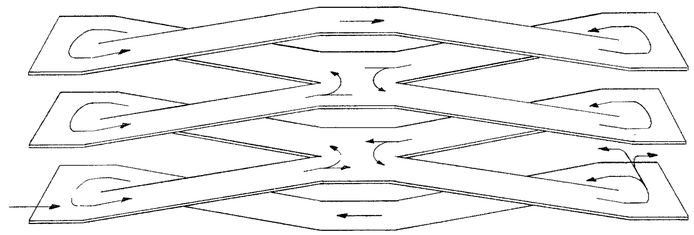
498

PARKING RAMP P-3

CITY OF EDINA HRA

EDINA MINNESOTA



274 PARKING SPACES

INDEX OF DRAWINGS

ARCHITECTURAL

A1 SITE PLAN

A2 FIRST LEVEL PLAN & LONGITUDINAL SECTION

A3 SECOND & THIRD LEVEL PLANS

A4 ELEVATIONS

A5 STAIR PLANS AND SECTIONS

STRUCTURAL

S1 FOUNDATION & FIRST LEVEL FRAMING PLAN

S2 SECOND & THIRD LEVEL FRAMING PLAN

MECHANICAL

M1 FIRST LEVEL MECHANICAL PLAN

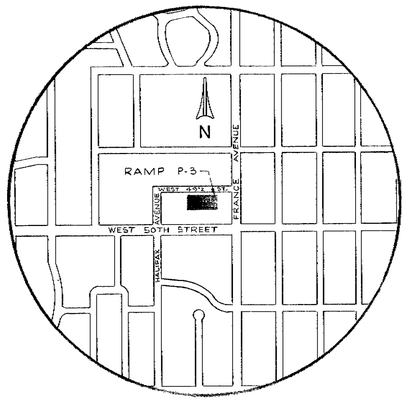
M2 SECOND & THIRD LEVEL MECHANICAL PLANS

ELECTRICAL

E1 FIRST LEVEL ELECTRICAL PLAN

E2 SECOND & THIRD LEVEL ELECTRICAL PLANS

E3 ELECTRICAL RISERS & SCHEDULES



CARL WALKER & ASSOCIATES, INC.

ENGINEERS

400 SHELARD PLAZA SOUTH

MINNEAPOLIS, MINNESOTA

(612) - 546-4316

DWIGHT O. CHURCHILL MINNEAPOLIS, MINNESOTA

ARCHITECTURAL CONSULTANT

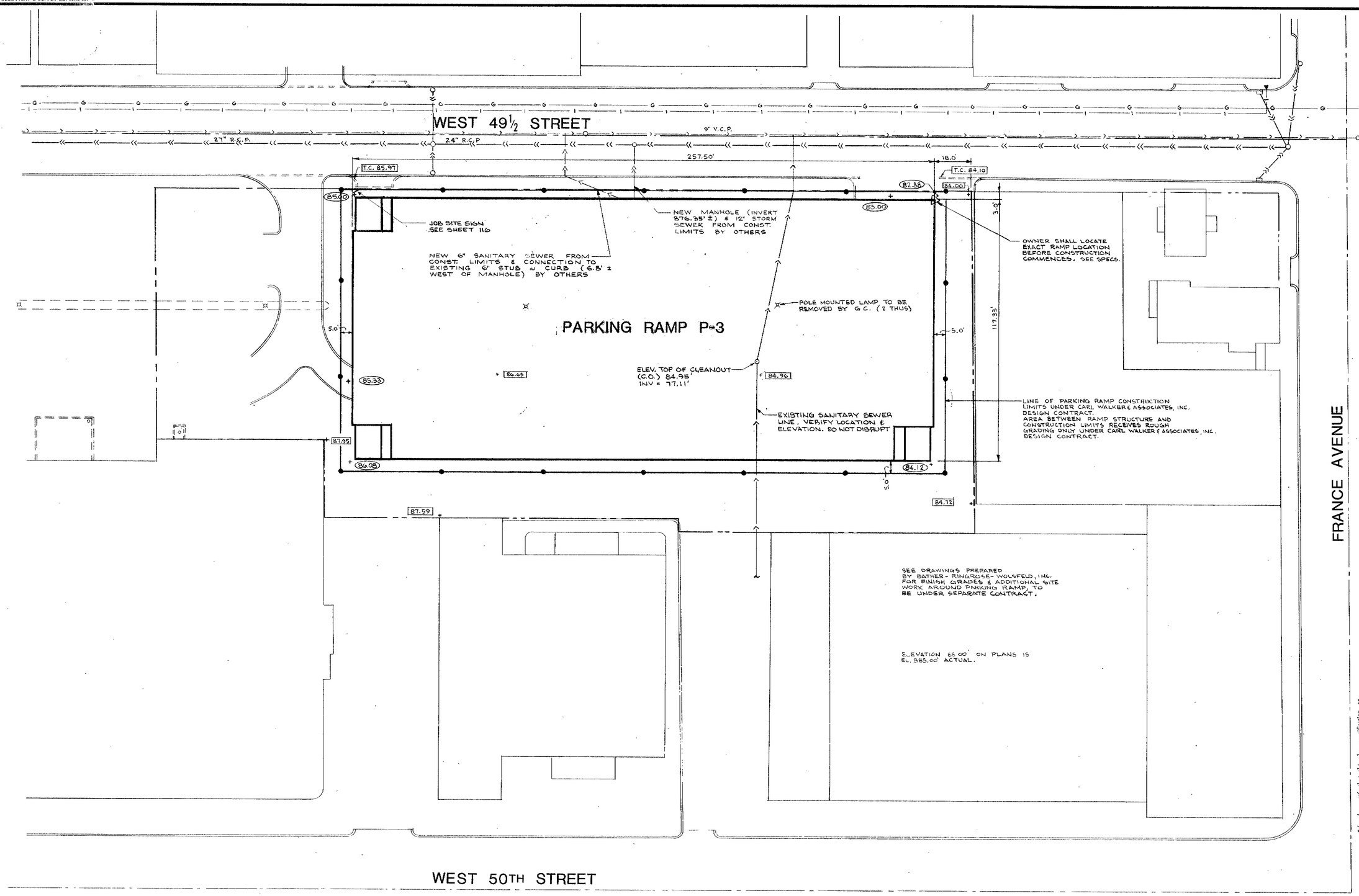
CONCEPT APPROVED
Date 8-19-75
By
City of Edina Bldg. Dept.

CERTIFIED

498

X 393 - 3925 - 49½ STREET
OFFICE COPY -

WHEATON BLUE PRINT & SUPPLY CO. 11-72 534



SITE PLAN

SCALE: 1" = 20'-0"

ABBREVIATIONS

R.C.P. REINFORCED CONCRETE PIPE
T.C. TOP OF CURB
V.C.P. VITREOUS CLAY PIPE

LEGEND OF SYMBOLS

- CENTERLINE
- EXISTING POLE MOUNT LAMP
- FIRE HYDRANT
- GAS LINE
- MANHOLE
- PROPERTY LINE
- SANITARY SEWER
- EXISTING SPOT ELEVATIONS
- STORM SEWER
- WATER LINE
- NEW ROUGH GRADE ELEVATIONS

N

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Date 7-21-75 Reg. No. 6013

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

JOB NO. 41837
DATE JUNE 20, 1975
PROJECT ENGR. D.S.C.H.
DRAWN ROBINSON
CHECKED HARMS

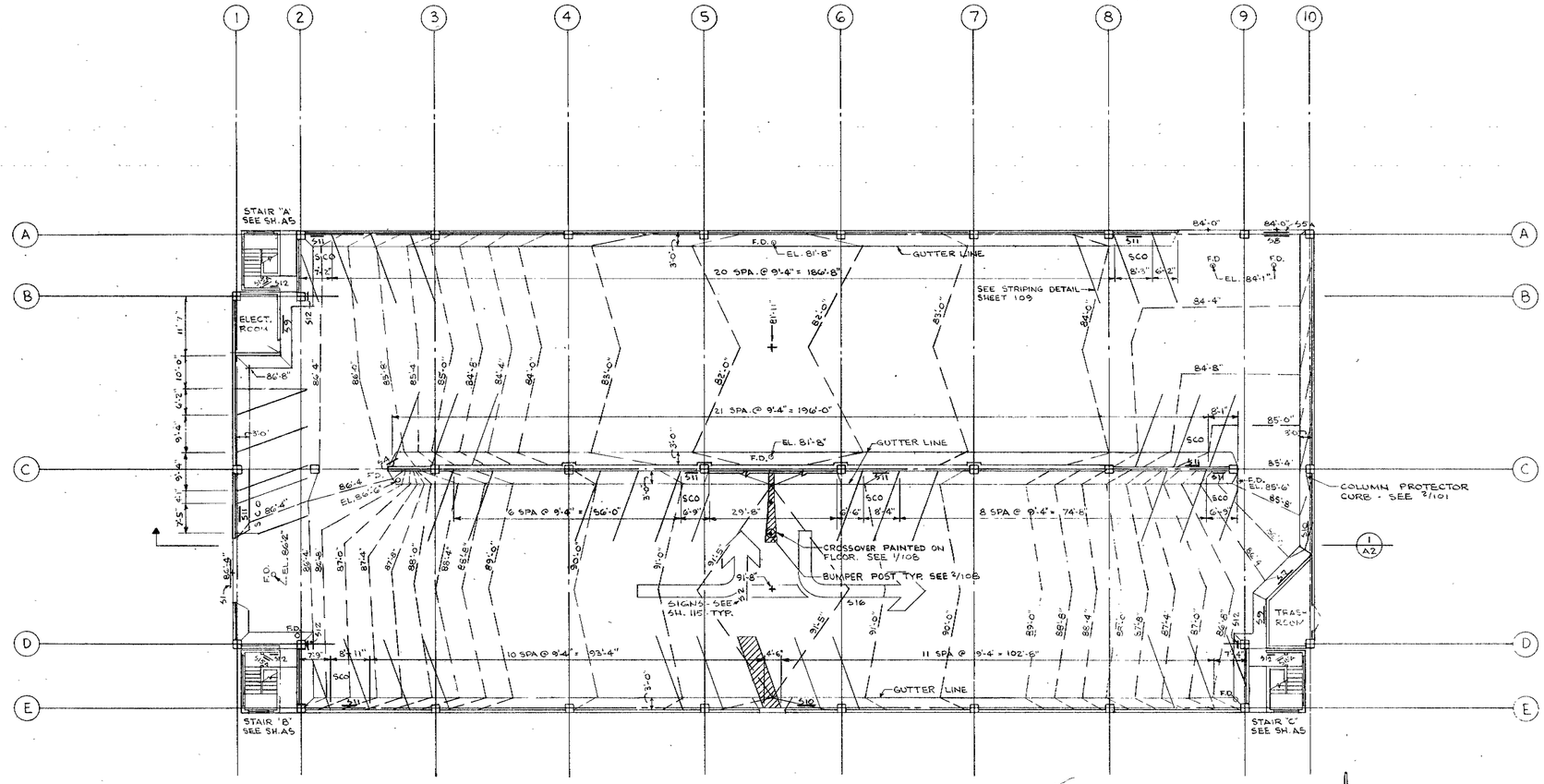
PARKING RAMP P-3
CITY OF EDINA HRA
MINNESOTA
EDINA

MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GEN'L CONSTRUCTION	NJR	PJH
	6-20-75	P/G STRUCT. CONC. & CRACK CONTROL SYSTEM	NJR	PJH

SITE PLAN

A1

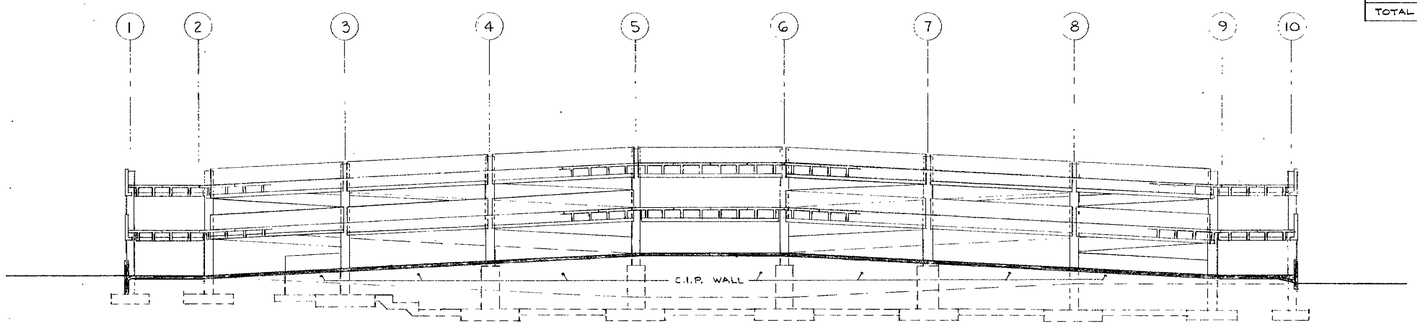
WHEATON BLUE PRINT & SUPPLY CO. 11-72 33 1274



FIRST LEVEL

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

CAR TABULATION			
LEVEL	FULL CAR SPACES	COMPACT CAR SPACES	TOTAL
FIRST	80	10	90
SECOND	73	17	90
THIRD	76	18	94
TOTAL	230	44	274



LONGITUDINAL SECTION THROUGH SOUTH BAY

1 / A2

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

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Date 7-28-75 Reg. No. 10123

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS
Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

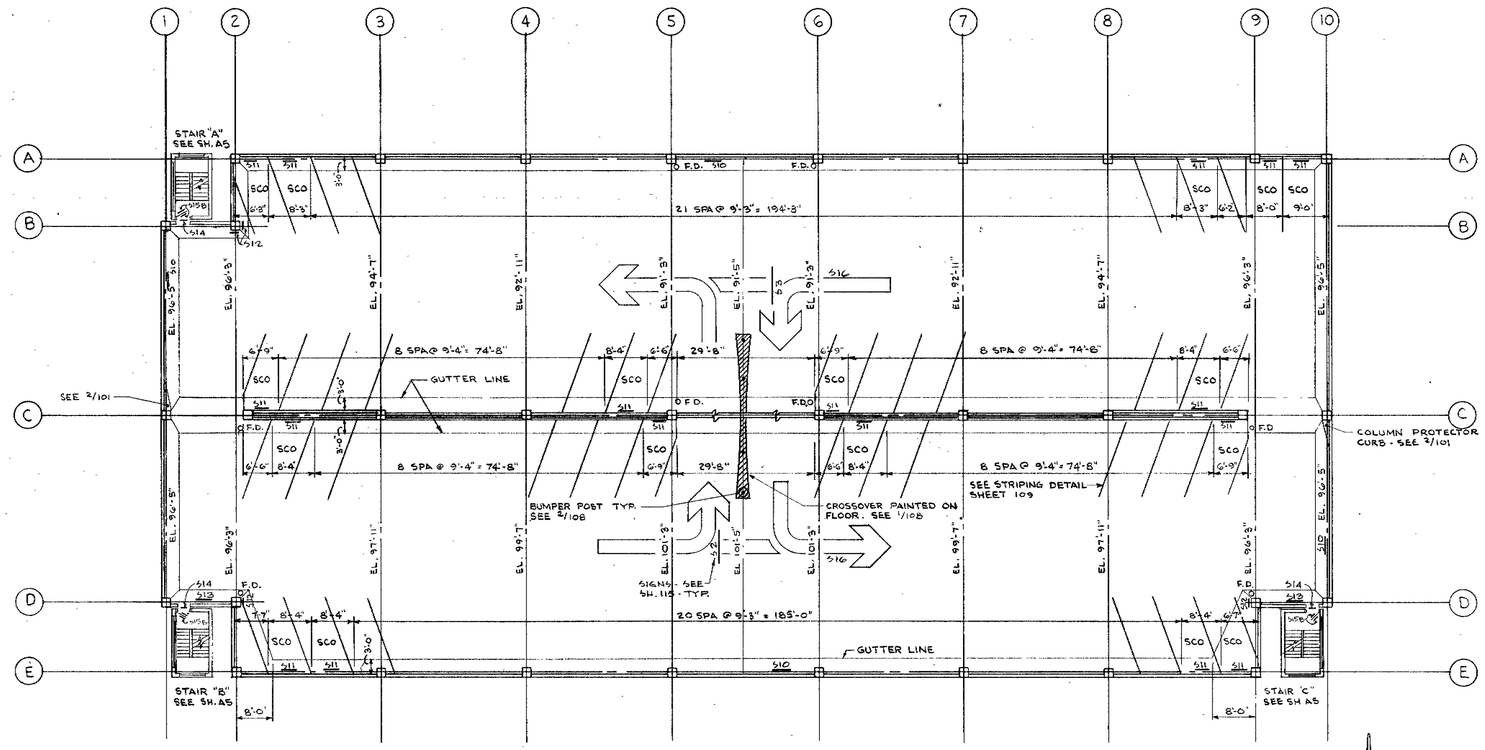
JOB NO. 41837
DATE JUNE 20, 1975
PROJECT ENGR. DISCH
DRAWN ROBINSON
CHECKED HARMS

MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GEN'L CONSTRUCTION	NJR	PJH
	7-7-75	GENERAL REVISION FOR PRE-BID	NJR	PJH
	6-20-75	PRE STRUCT. CONC. & CRACK CONTROL SYSTEM	NJR	PJH

FIRST LEVEL PLAN & LONGIT. SECTION

A 2

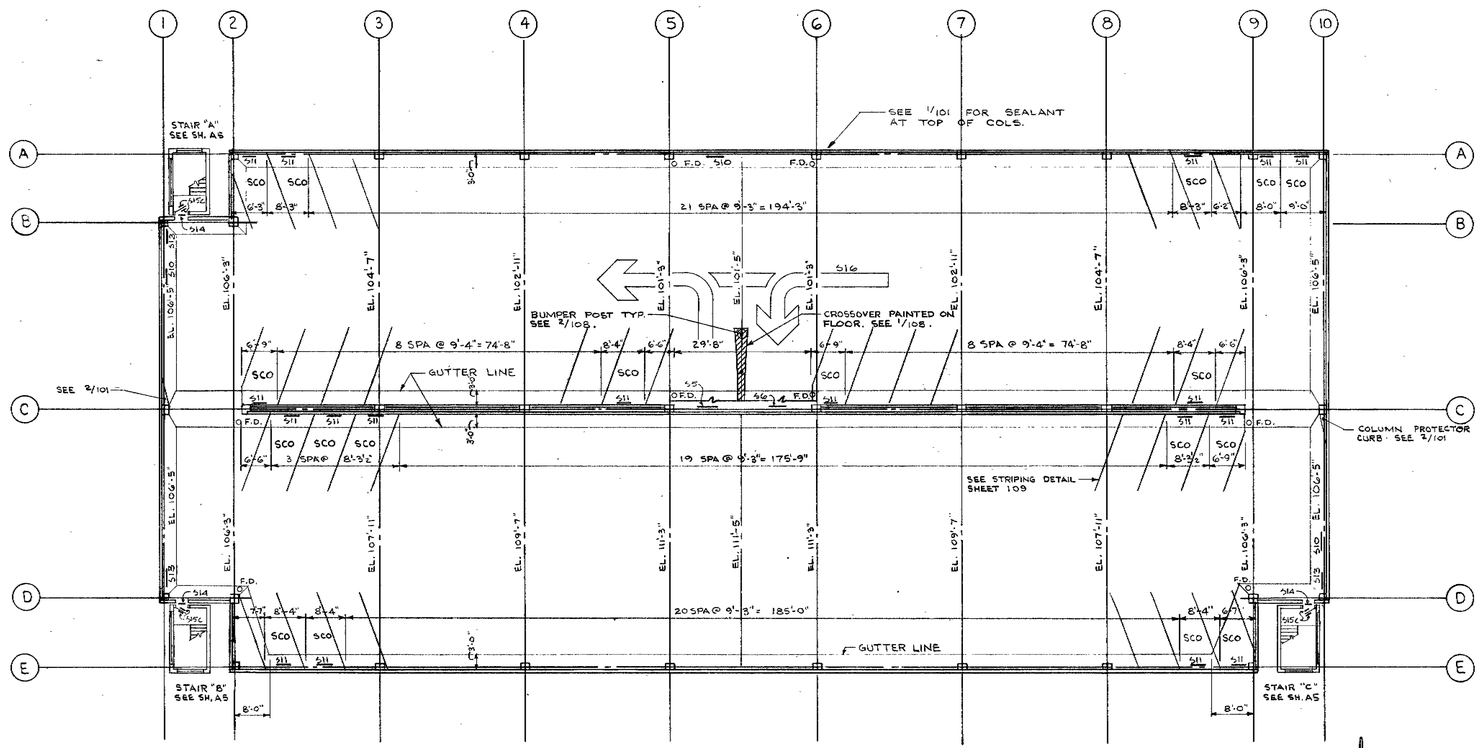
WHEATON BLUE PRINT & SUPPLY CO 11-72 53474



SECOND LEVEL

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

NOTE: ELEVATIONS SHOWN ON PLAN ARE FINISH FLOOR ELEVATIONS AT GUTTER LINE.



THIRD LEVEL

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

NOTE: ELEVATIONS SHOWN ON PLAN ARE FINISH FLOOR ELEVATIONS AT GUTTER LINE.

JOB NO. 4.1.8.3.7
DATE JUNE 20, 1975
PROJECT ENGR DSCH
DRAWN ROBINSON
CHECKED HARMS

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	REVISION, RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GEN'L CONSTRUCTION	NJR	PJH
	7-7-75	GENERAL REVISION FOR PRE-BID	NJR	PJH
	6-20-75	P/C STRUCT. CONC. & CARGE CONTROL SYSTEM	NJR	PJH

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Date 7-21-75 Reg. No. 10123

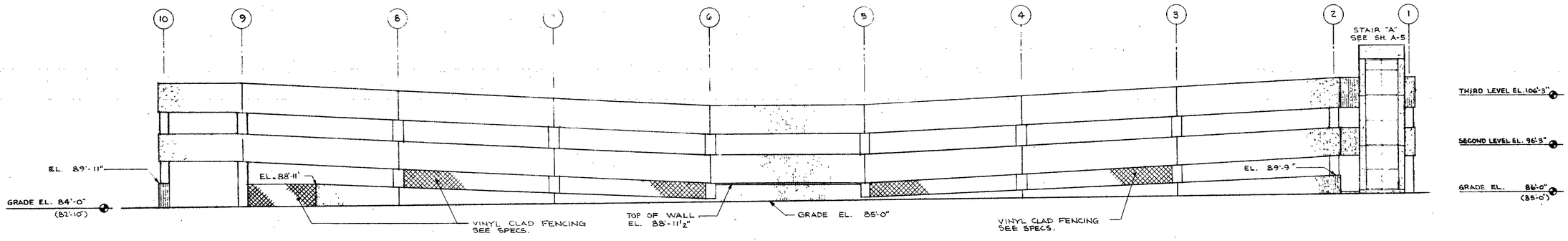
Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

SECOND & THIRD LEVEL PLANS

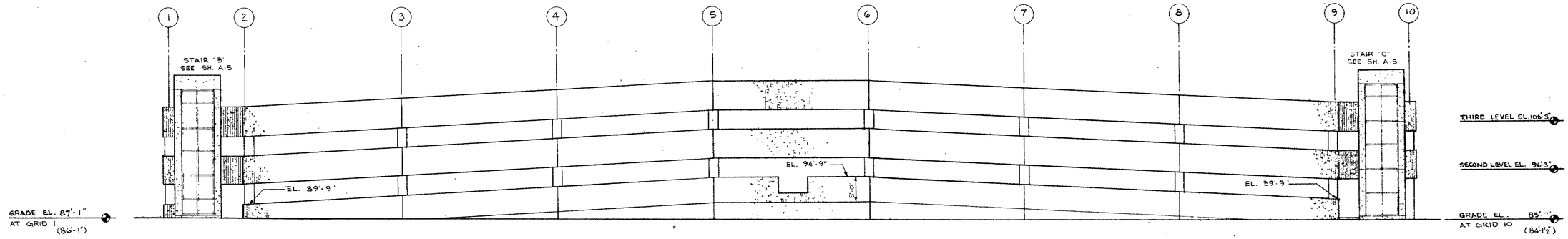
A 3

WHEATON BLUE PRINT & SUPPLY CO 11-72 32474



NORTH ELEVATION

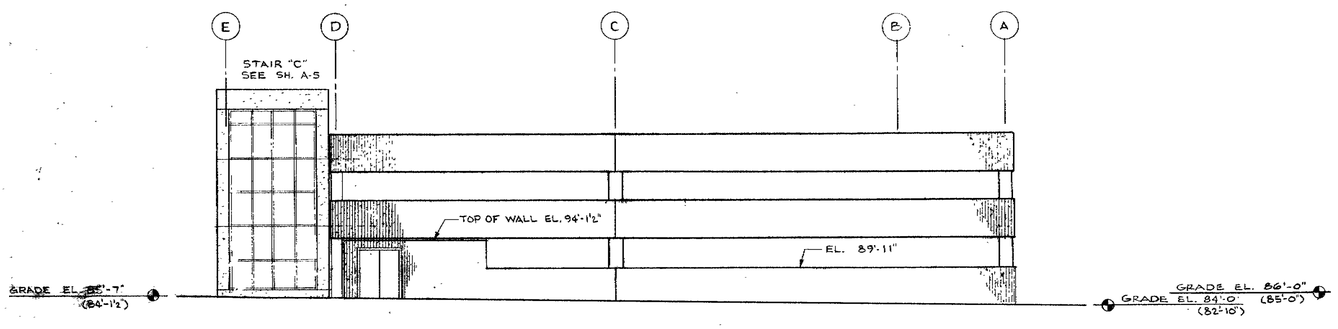
SCALE: 3/32" = 1'-0"



-SEE PLANS PREPARED BY BATHER-RINGROSE-WOLSFELD, INC. FOR FINISH GRADES AROUND RAMP TO BE UNDER SEPARATE CONTRACT.
-ROUGH GRADING UNDER CARL WALKER & ASSOC. INC. DESIGN CONTRACT IS AS NOTED (0'-0")

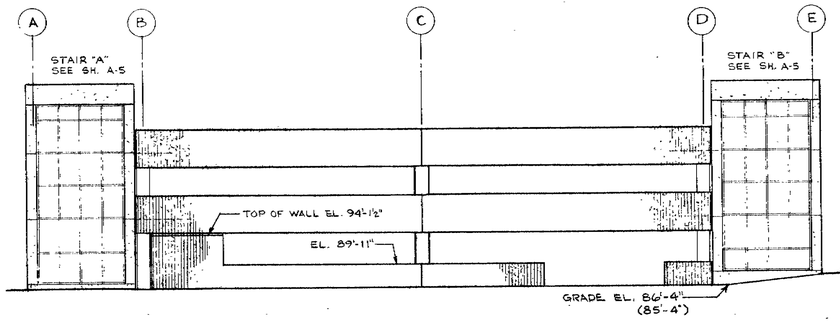
SOUTH ELEVATION

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



EAST ELEVATION

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



WEST ELEVATION

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

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Date 7-25-75 Reg. No. 10123

Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

JOB NO. 4.1.8.7.
DATE JUNE 26, 1975
PROJECT ENGR. DISCEL
DRAWN ROBINSON
CHECKED HARMS

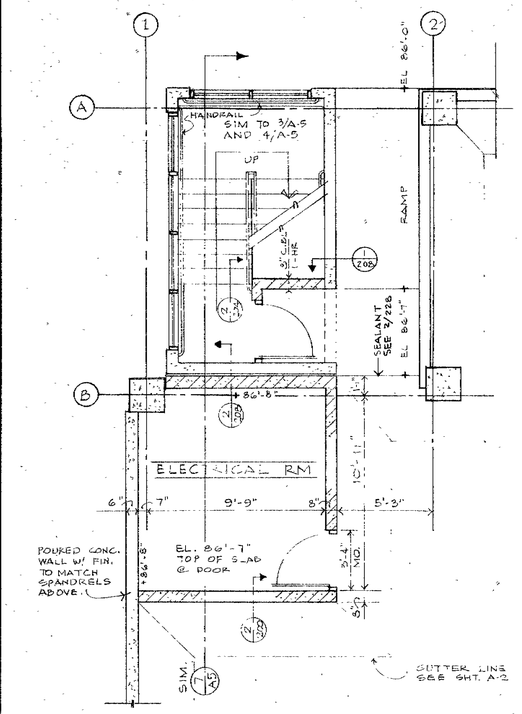
PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GEN'L CONSTRUCTION	NJR	PJH
	7-7-75	GENERAL REVISION FOR PRE-BID	NJR	PJH
	6-20-75	P/C STRUCT. CONC. & CRACK CONTROL SYSTEM	NJR	PJH

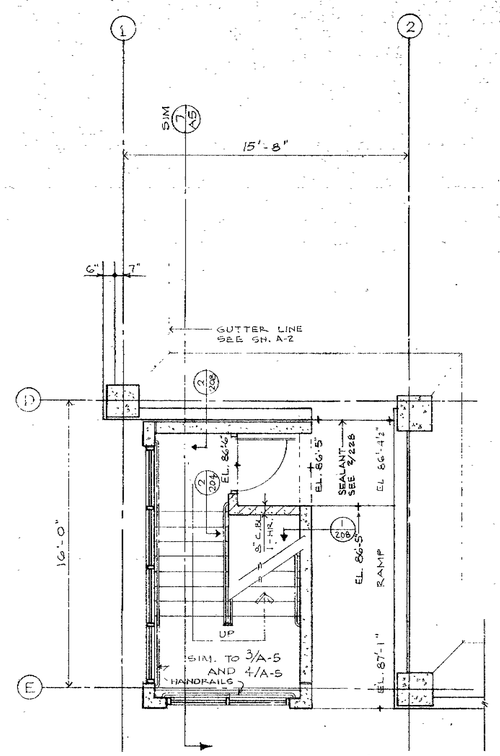
ELEVATIONS

A 4

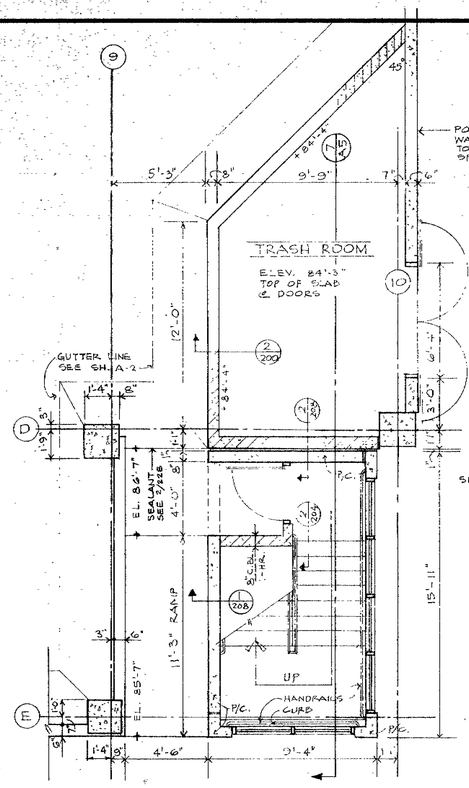
WHEATON BLUE PRINT & SUPPLY CO. 11-72 334741



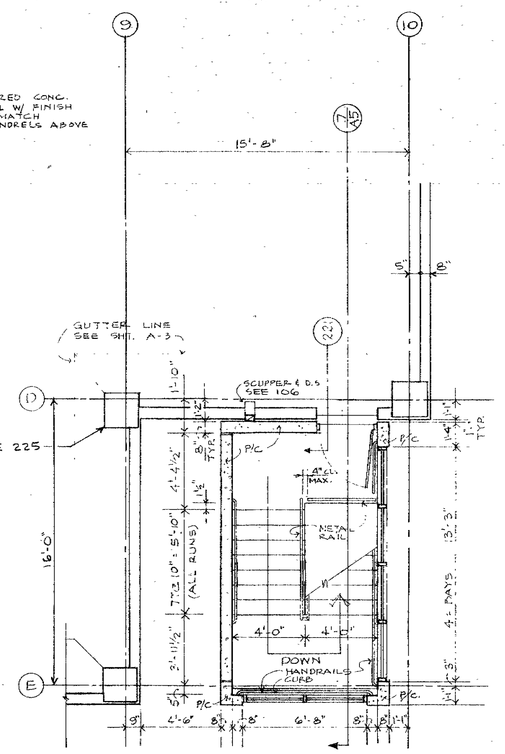
1/A5 FIRST LEVEL PLAN - STAIR "A"
SCALE: 1/4" = 1'-0"
SEE 3/A5 FOR ADDITIONAL DIMS. NORTH



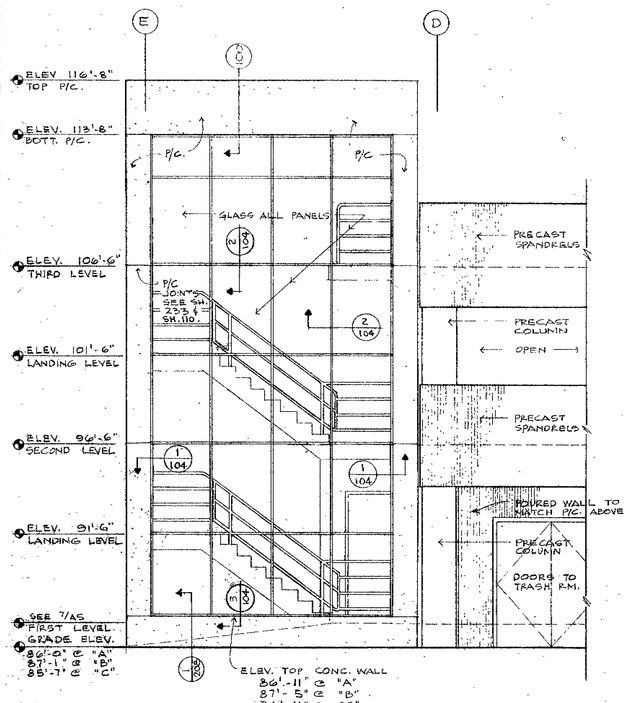
2/A5 FIRST LEVEL PLAN - STAIR "B"
SCALE: 1/4" = 1'-0"
SEE 9/A5 FOR ADDITIONAL DIMS. NORTH



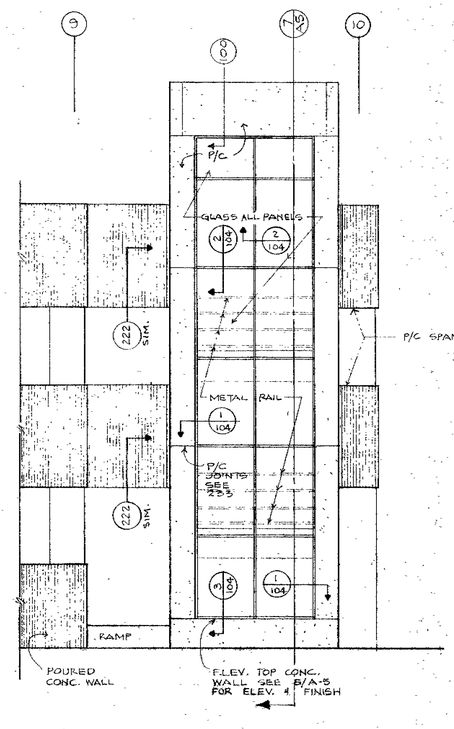
3/A5 FIRST LEVEL PLAN - STAIR "C"
SCALE: 1/4" = 1'-0" NORTH



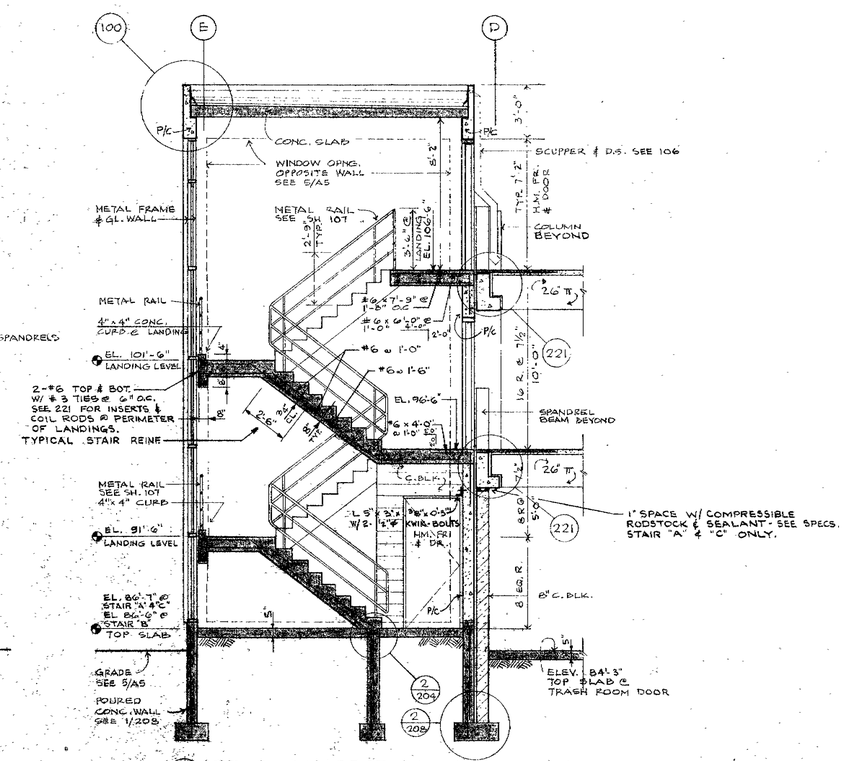
4/A5 2ND AND 3RD LEVEL PLAN - STAIR "C"
SCALE: 1/4" = 1'-0" (3RD SHOWN)
(STAIRS "A" AND "B" SIMILAR SEE SHEET A-3)
NORTH



5/A5 EAST ELEVATION - STAIR "C"
SCALE: 1/4" = 1'-0" ("A" & "B" SIMILAR)



6/A5 SOUTH ELEVATION - STAIR "C"
SCALE: 1/4" = 1'-0" ("A" & "B" SIMILAR)



7/A5 STAIR "C" SECTION ("A" & "B" SIMILAR)
SCALE: 1/4" = 1'-0"

JOB NO.	41837
DATE	JUNE 20, 1975
PROJECT ENGR.	DISCH
DRAWN	CHURCHILL
CHECKED	HARMS

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GENL. CONSTRUCTION	NJR	PJH
	7-7-75	GEN. REVISION FOR PRE BID	NJR	SSD

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.
Paul Harms
Date 7-24-21 Reg. No. 19123

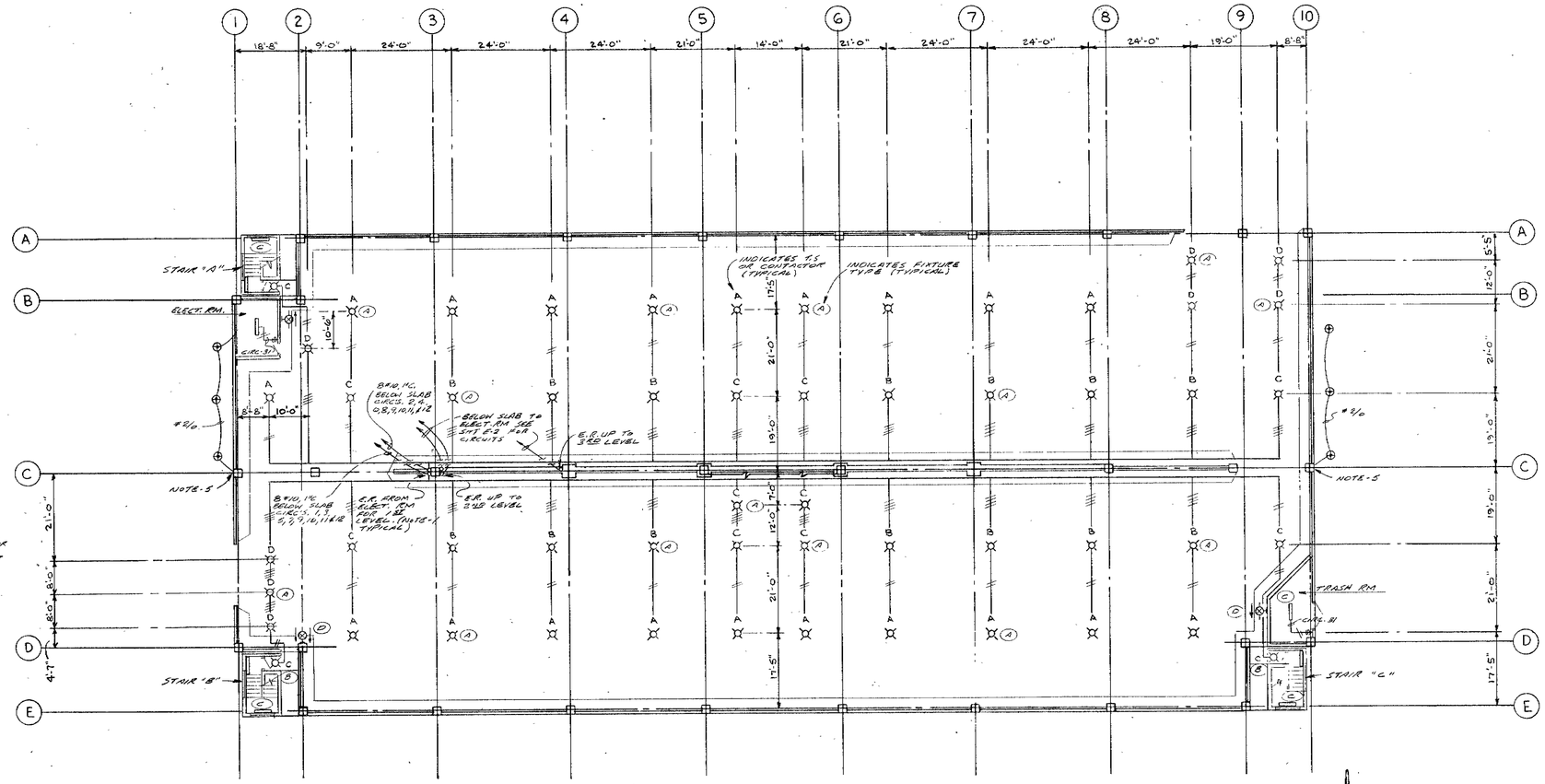
Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

STAIR PLANS AND SECTIONS

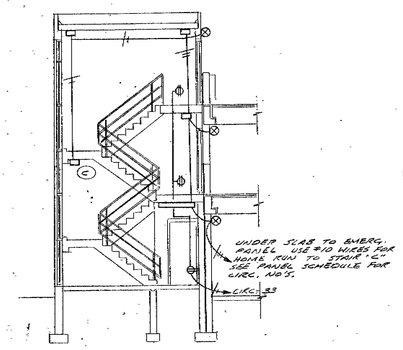
A5

WHEATON BLUE PRINT & SUPPLY CO. 11-72 33474



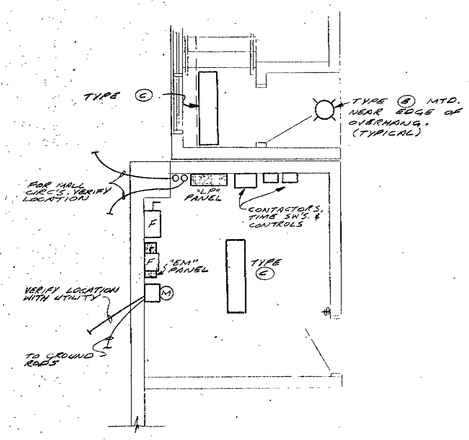
FIRST LEVEL

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



TYPICAL CROSS SECTION OF STAIRS

SCALE 1/8" = 1'-0"



ENLARGED VIEW ELECTRICAL RM.

SCALE 1/4" = 1'-0"

TIME SWITCH SETTING

T.S.	SETTING
A	NIGHT
B	NIGHT OR DARK DAYS
C	AFTER HRS, NIGHT OR DARK DAYS
D	FULL TIME (24 HRS)
E	UPPER LEVEL - NIGHT

NOTES

1. REFER TO DETAIL ON SHEET E2 FOR METHOD OF INSTALLING CONDUITS FROM ELECTRICAL ROOM TO VARIOUS LEVELS.
2. COORDINATE U.G. WORK WITH OTHER TRADES, UTILITIES AND EXISTING SERVICES
3. ALL LIGHT FIXTURE TYPES ARE INDICATED WITH ◯ SYMBOL.
4. VERIFY MTG. HEIGHTS & ROUGH-IN REQ'MTS. WITH ARCH, MECH., AND APPROVED SHOP DRAWINGS
5. CONNECT ALL GROUND RODS, LIGHT POLES, & SERVICE ENTRANCE TOGETHER WITH #2/0 CABLE

JOB NO. 27307 & 41837
DATE JULY 21, 1975
PROJECT ENGR PERRY
DRAWN GERRARD
CHECKED PERRY

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

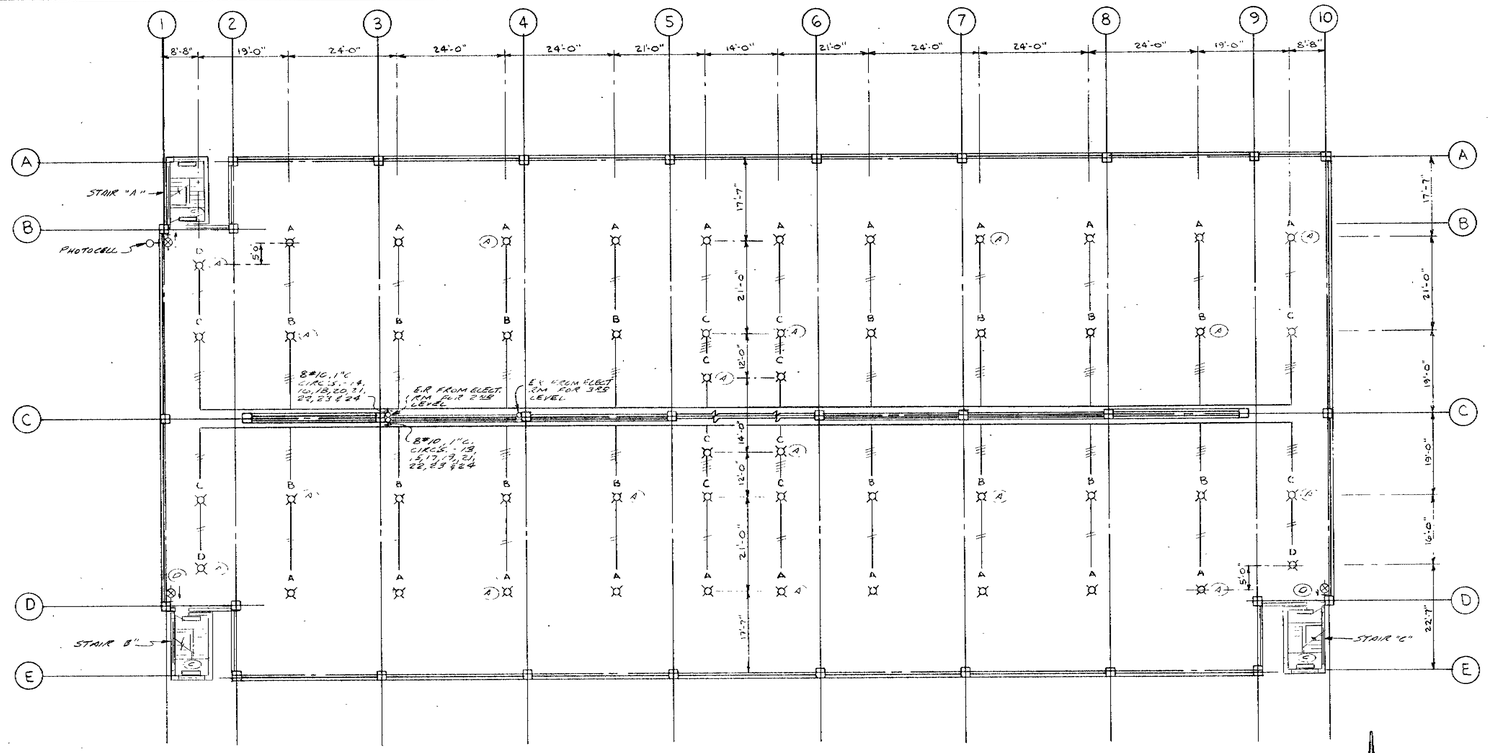
MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GEN'L CONSTRUCTION	NJR	RJH

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS
Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

FIRST LEVEL ELECTRICAL PLAN

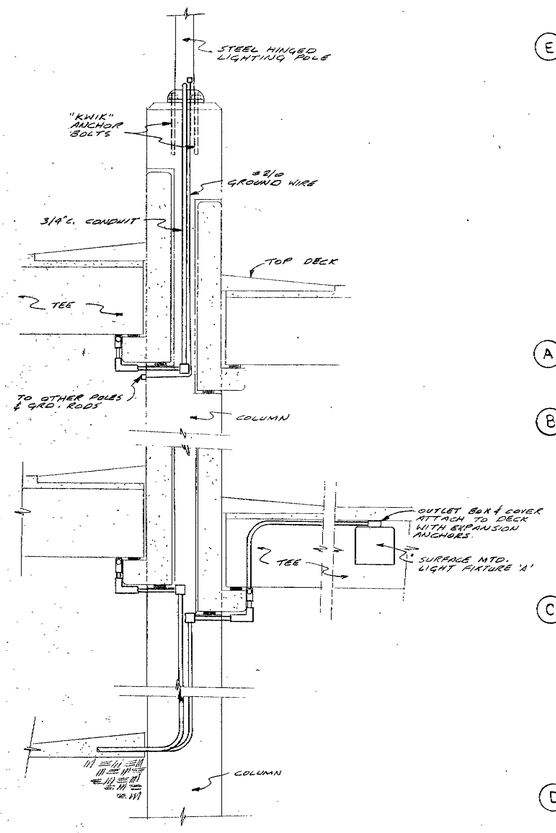
E 1

WHEATON BLUE PRINT & SUPPLY CO 11-72 93474

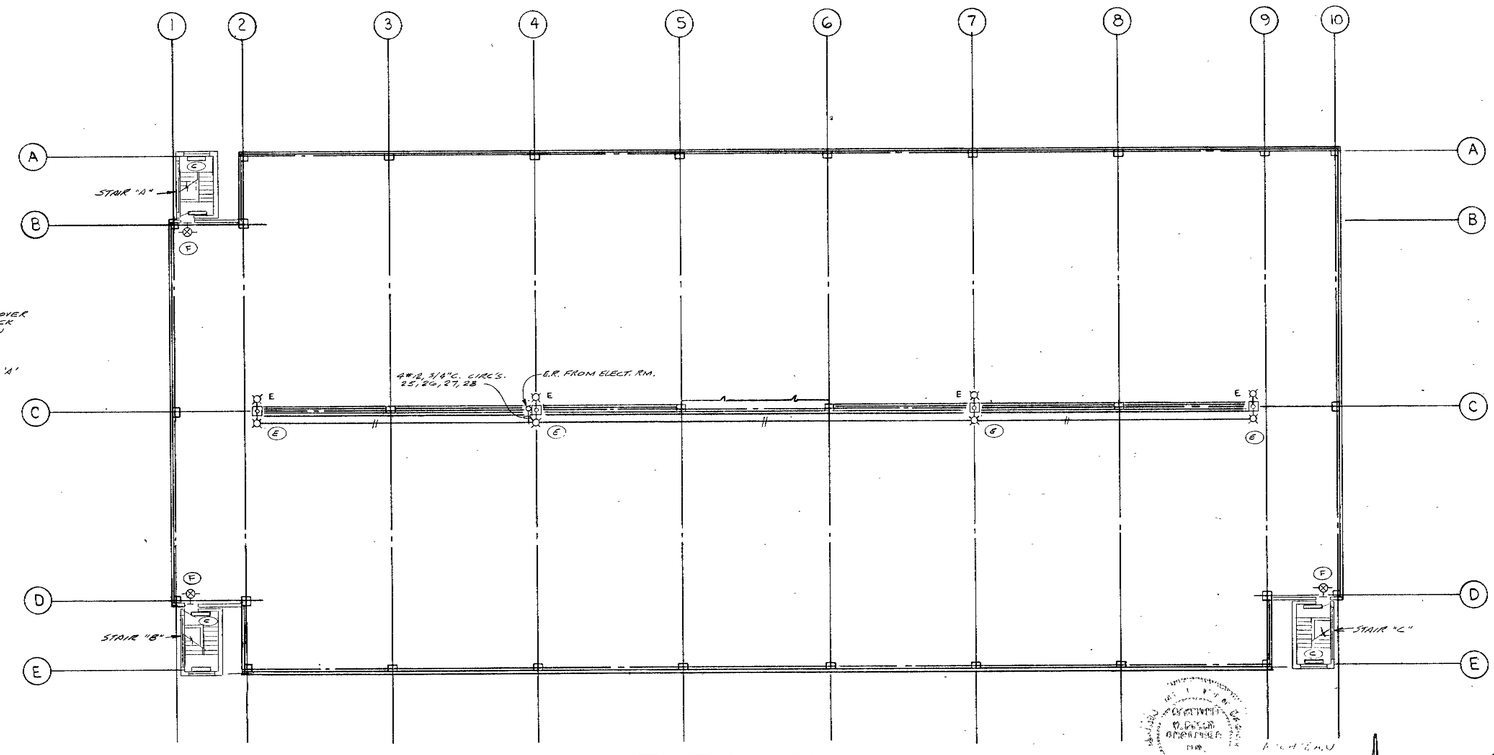


SECOND LEVEL

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



TYPICAL
LIGHTING RISER DETAIL
SCALE 1/2" = 1'-0"



THIRD LEVEL

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

JOB NO 27307 & 41837
DATE JULY 21, 1975
PROJECT ENGR. PERRY
DRAWN GERRARD
CHECKED PERRY

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GENL. CONSTRUCTION	NJR	PJH

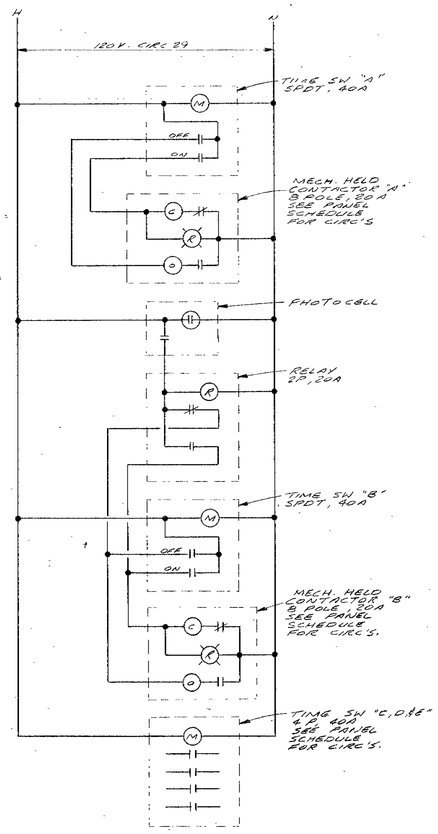
Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

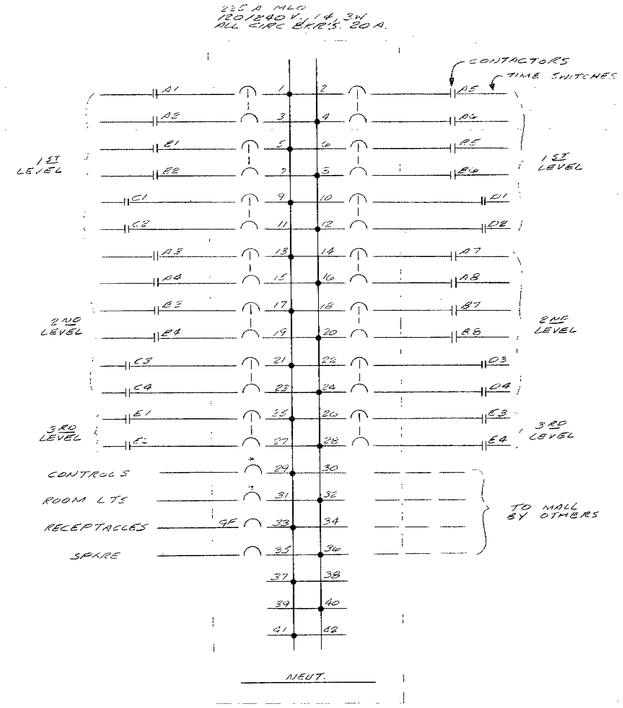
CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

SECOND & THIRD LEVEL
ELECTRICAL PLANS

E 2

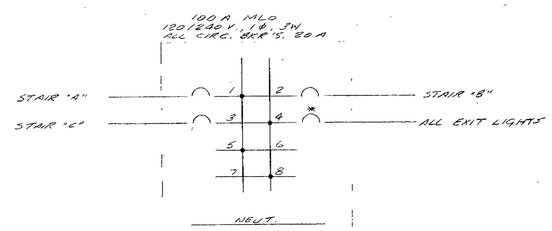
WHEATON BLUEPRINT & SUPPLY CO 44 1418 300 1-73 34442





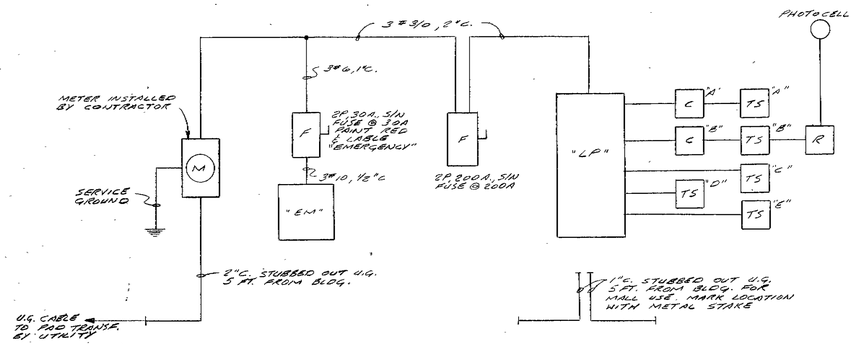
PANEL "LP" DIAGRAM

* PROVIDE HANDLE LOCKS
GF = GROUND FAULT INTERRUPTER CIRC BKR.



PANEL "EM" DIAGRAM

* PROVIDE HANDLE LOCK



POWER RISER DIAGRAM

LOAD SUMMARY

PANEL	LTG.	RECEPT.	FUTURE
"LP"	30.3 KVA	1.5 KVA	4.0 KVA
"EM"	1.8 KVA		
TOTAL	32.1 KVA	1.5 KVA	4.0 KVA

ELECTRICAL SYMBOL LIST

SYMBOL	DISCRIPTION
	INCAND., HI-PRESS. SODIUM, OR MERCURY FIXTURE
	FLUORESCENT CEILING FIXTURE
	EXIT FIXTURE CEILING MOUNTED
	EXIT FIXTURE WALL MOUNTED
	POLE MOUNTED LIGHT FIXTURE
	DUPLEX RECEPTACLE 15A., 120V. (WALL MOUNTED)
	SINGLE POLE SWITCH
	DISCONNECT SWITCH (F = FUSED)
	CONTACTOR
	RELAY
T.S.	TIME SWITCH
G.F.	GROUND FAULT PROTECTION CIRCUIT
M.L.O	MAIN LUGS ONLY
S/N	SOLID NEUTRAL
U.G.	UNDER GROUND
E.R.	ELECTRICAL CONDUIT RISER
	GROUND ROD
	CIRCUIT CONNECTION (SLASH LINE = NO. OF CONDUCTORS)

LIGHTING FIXTURE SCHEDULE

TYPE	LAMPS	DESCRIPTION, MFR. & CAT. NO.	NOTES
A	H 175 DX39	13" DIA SURFACE MTD MERC. VAPOR, ALUM. HOUSING WITH BLACK FINISH, GASKETED HIGH IMPACT STRIPED LENS INTEGRAL REGULATOR TYPE BALLAST, ALZAK REFLECTOR, SPRING DISCONNECT, 240 VOLT. PROJECTOL ELECT. #CE 795 & 202 WITH # C 740 & 540 HARDWARE.	1
B	H 100 DX38	SAME AS TYPE "A" EXCEPT 100 WATT	1
C	2-F40 CW	9" x 51" SURFACE MTD. FLUOR. STEEL BACK PLATE WITH WHITE FINISH, GASKETED, HIGH-IMPACT HERCULEX DIFF. DIFFUSER, CW BALLAST, TAMPER PROOF 120 V. KENALL #7230/16" WITH #7240 A CONDUIT ADAPTER	1, 2
D		SURFACE MTD. FLUOR. EXIT LIGHT, STEEL HOUSING WITH GRAY FINISH, HIGH-IMPACT HERCULEX LENS WITH 6" RED LETTERS BOTTOM LIGHT, TAMPER PROOF, 0" BALLAST, 120 VOLT. FURNISH TYPE MTG. ARROWS, & UNITS AS SHOWN ON PLANS AS INDICATED. KENALL # 6000 SERIES	1, 2
E	2-LU 250	POLE MTD. HI-PRESS SODIUM. TWIN LUMINAIRE 11 1/2" x 28 1/2" HOUSING WITH BLACK FINISH HIGH-INTENSITY SAFETY LENS GASKETED ALZAK REFLECTOR, INTEGRAL BALLAST. 240 VOLT TYPE III DISTRIBUTION. 20 FT. SQ. TAPERED STEEL POLE WITH BLACK PAINT, BOLT COVERS, GROUND HOLE & GROUNDING LUG. KIM # 28/SEG-37 WITH # AT25-MV-20B POLE	3
F		WALL MOUNTED FLOURESCENT EXIT LIGHT, CAST ALUMINUM HOUSING GASKETED FOR WET LOCATIONS, HIGH IMPACT LENS WITH RED LETTERS, BOTTOM LIGHT, 0" BALLAST, 120 V. Mc PHILBEN #60-111-F-EXIT-1A.	

NOTES

1. FIXTURES OF OTHER MFR'S IF EQUAL IN ALL RESPECTS WILL BE CONSIDERED FOR APPROVAL.
2. FURNISH (2) SCREW DRIVERS FOR TAMPER PROOF SCREWS FOR OWNERS USE.
3. FURNISH (1) LOWERING WENCH FOR OWNERS USE. POLE FIELD PAINTED & COATS USING PAINT FURNISHED BY MFR.

JOB NO. 27307 & 41837
DATE JULY 21, 1975
PROJECT ENGR. PERRY
DRAWN G. GERRARD
CHECKED PERRY

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GENL. CONSTRUCTION	N.J.S.	P.J.H.

Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

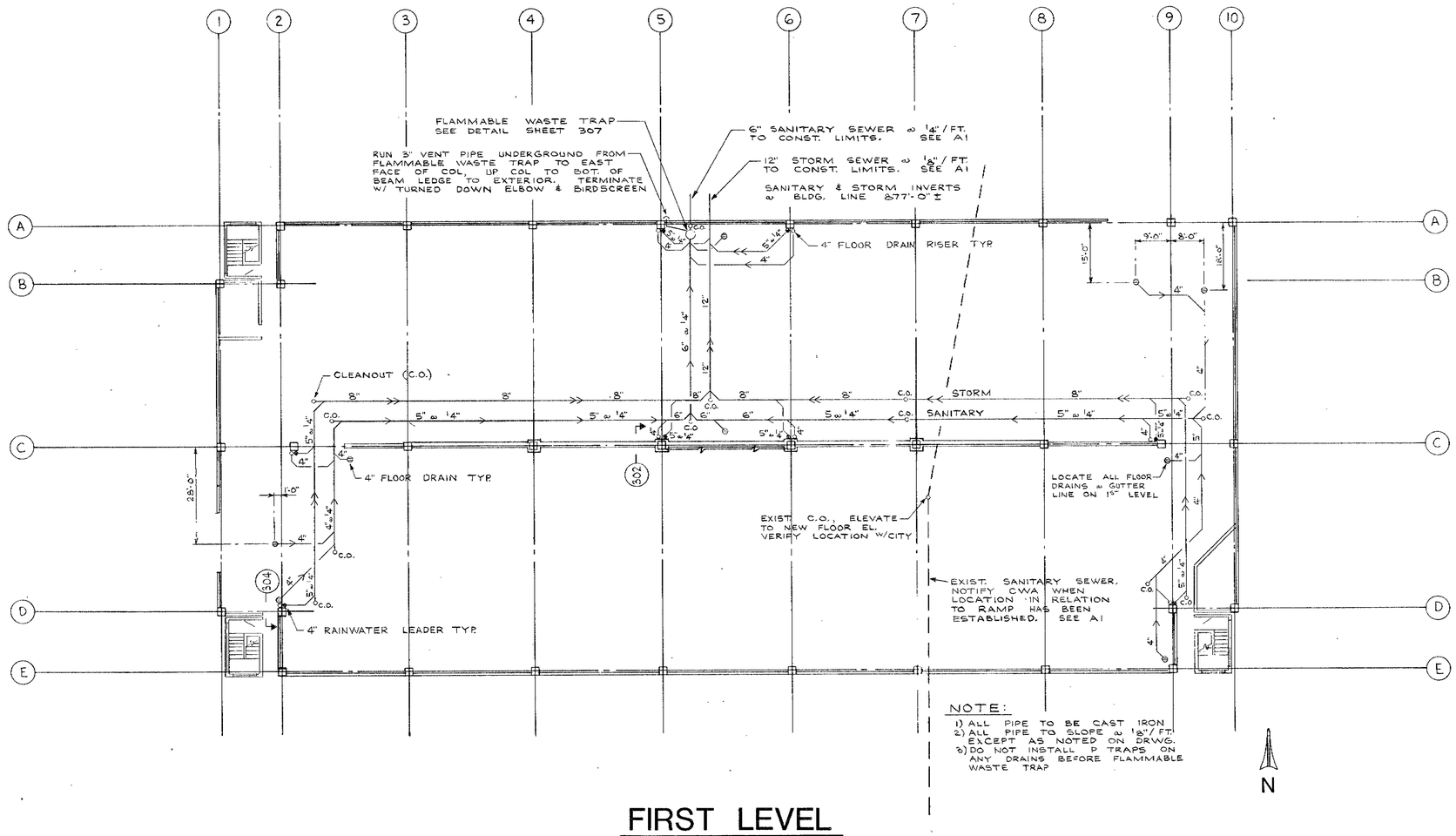
CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

ELECTRICAL RISERS AND SCHEDULES

E 3

Reg. No. 7247E
REGISTRATION APPLIES TO ABOVE DRAWING

WHEATON BLUE PRINT & SUPPLY CO 11-72 53474



NOTE:
1) ALL PIPE TO BE CAST IRON
2) ALL PIPE TO SLOPE @ 1/8" / FT. EXCEPT AS NOTED ON DRWG.
3) DO NOT INSTALL P TRAPS ON ANY DRAINS BEFORE FLAMMABLE WASTE TRAP

FIRST LEVEL

JOB NO. 41837
DATE JULY 21, 1975
PROJECT ENGR. DISCH
DRAWN SAXTON
CHECKED HARMS

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	ISSUED FOR GENERAL CONST.	INITIAL	APP'D
	7-21-75	REVISION, RELEASE	R.L.S.	P.J.H.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

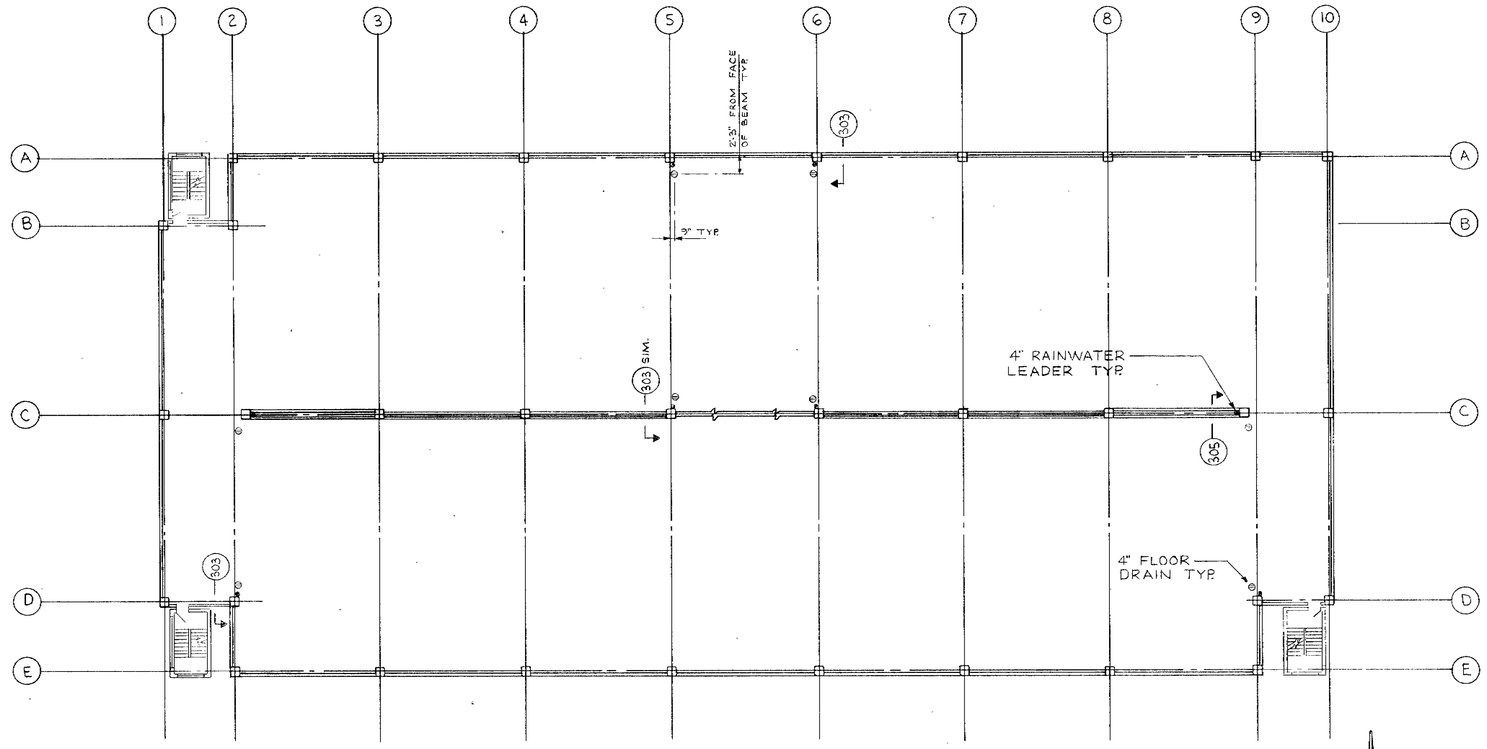
Date 7-21-75 Reg. No. 10123

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS
Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

FIRST LEVEL MECHANICAL PLAN

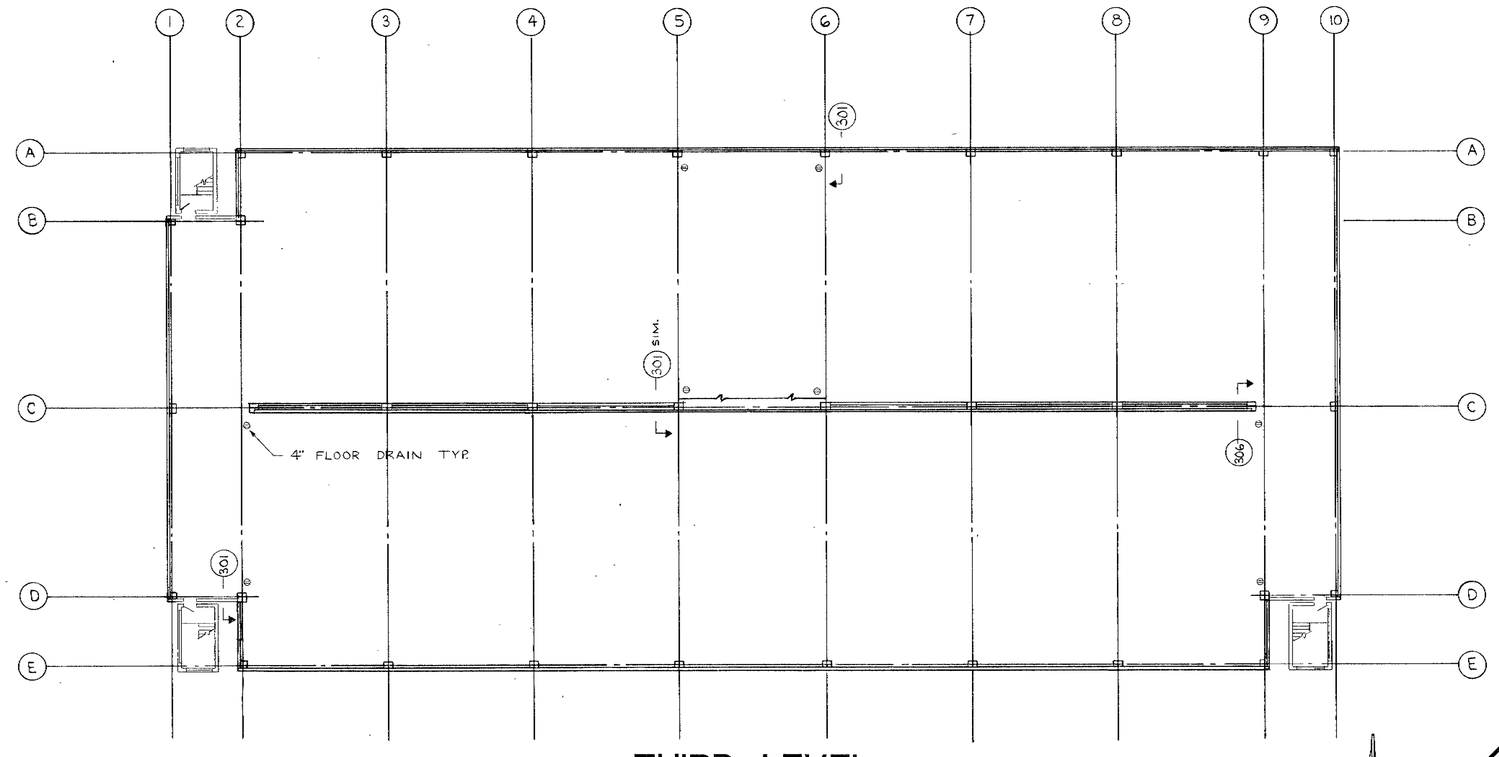
M 1

WHEATON BLUE PRINT & SUPPLY CO 11-72 53474



SECOND LEVEL

N



THIRD LEVEL

N

JOB NO. 41837
DATE JULY 21, 1975
PROJECT ENGR. DISCH
DRAWN SAXTON
CHECKED HARMS

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	REVISION - RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GEN'L CONSTRUCTION	NJR	PJH

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Date 7-24-75 Reg. No. 10123

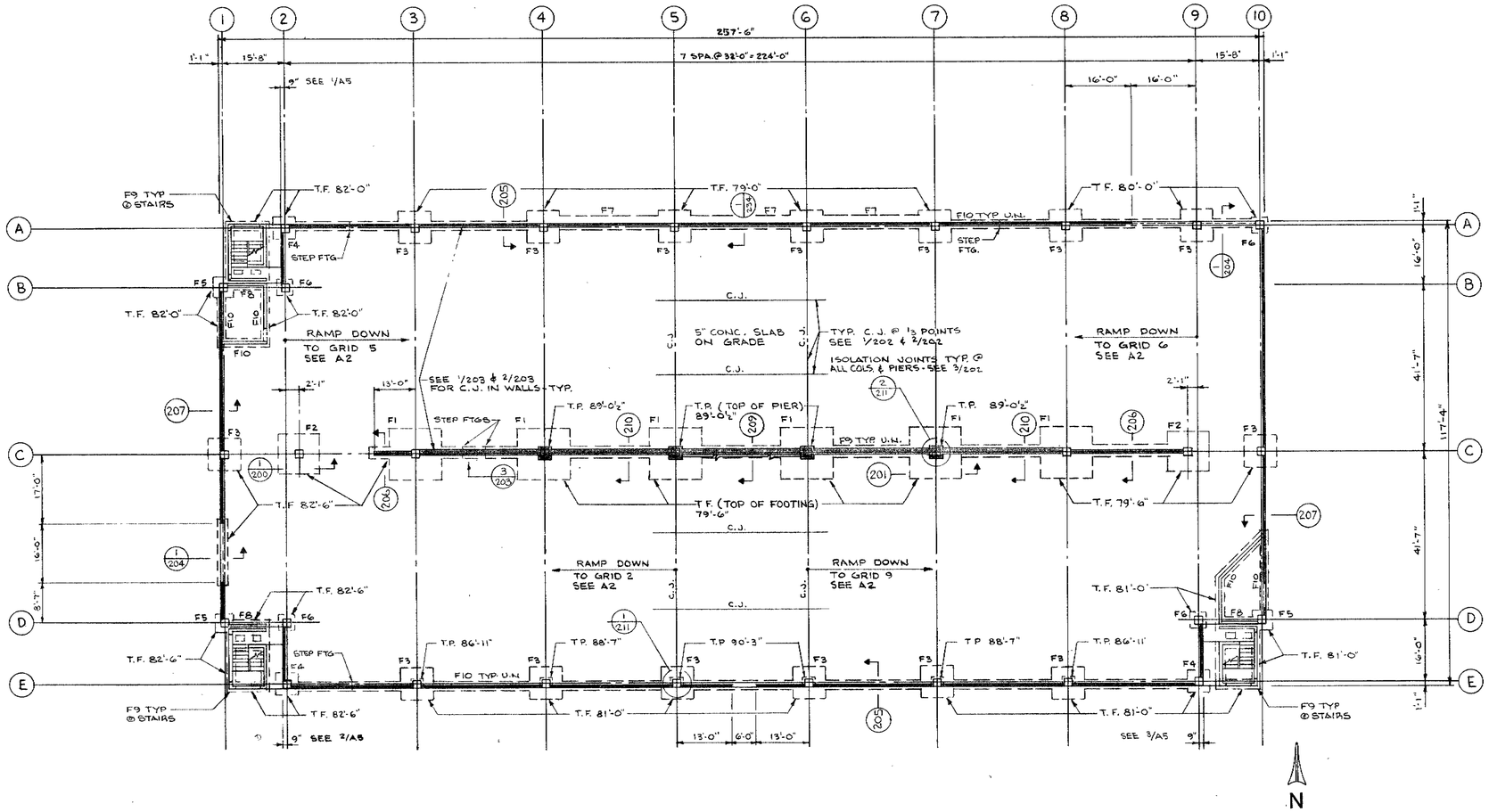
Kalamazoo, Michigan
Minneapolis, Minnesota
Elgin, Illinois
Detroit, Michigan

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

SECOND & THIRD LEVEL MECHANICAL PLANS

M 2

WHEATON BLUE PRINT & SUPPLY CO. 11-72 534724



FOUNDATION & FIRST LEVEL

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

GENERAL STRUCTURAL NOTES

I. DESIGN CODES USED:
- A. Minnesota Building Code (Latest Edition).
- B. Building Code Requirements for Reinforced Concrete (A.C.I.318-71).
- C. Code for Welding in Building Construction by the Americal Welding Society (AWS D1-72).

II. DESIGN LOADS:

A. Snow Load	40 psf
B. Typical Level (slabs)	50 psf
C. Typical Level (beams & columns)	30 psf
D. Stairs & Landings	100 psf
E. Slab on Grade	100 psf
F. Wind	20 psf

III. STRENGTH OF MATERIALS:

		Slump:	Air:
A. Concrete			
Footings	4000 psi	3"	3±1.0%
Cast in Place Walls & Piers	4000 psi	"	6±1.5%
Slab on Grade	4000 psi	"	6±1.0%
Topping on Double Tees	5000 psi	"	5±1.0%
Prestressed & Precast Concrete:			
Columns	6000 psi	"	6±1.5%
Beams	6000 psi	"	6±1.5%
Double Tees (HR Concrete)	5000 psi	"	5±1.0%
Wall Panels	4000 psi	"	4.5±0.5%
B. Reinforcing Steel			
(#5 and larger)		fy = 60000 psi	
(#4 and smaller)		fy = 40000 psi	
Welded Wire Fabric		fy = 75000 psi	
C. Structural Steel		fy = 36000 psi	
D. Prestressing Strand		fy = 250000 psi (min)	

IV. FOUNDATIONS:
- A. Maximum soil pressure used for design based on soil borings and laboratory analysis is as noted in the Braun Engineering Testing soil report #75-137 dated June 9, 1975.
- B. Footings shall rest on natural undisturbed soil at the depth shown and shall be inspected by a soils engineer prior to placing footings. If design soil pressure is not obtained at depth shown footings shall be set on compacted fill or lowered until design soil pressure is obtained.
- C. Provide dowels between footing and walls equal in size and spacing to that of the vertical wall reinforcing.

V. REINFORCED CONCRETE:
- A. Concrete construction shall be in accordance with the ACI Building Code Requirements for Reinforced Concrete. (A.C.I.318-71).
- B. Detailing of reinforcing will be in accordance with ACI 315-65 detailing manual.
- C. Clear concrete cover for reinforcing shall be as follows unless noted on the drawings:
  - Footings ..... 3"
  - Slab on Grade ..... mid-height
  - Walls:
    - Formed and exposed to earth or weather
      - #11 and smaller ..... 2"
    - Not exposed to earth or weather
      - #11 and smaller ..... 3/4"
- D. Construction or Control joints in floor slab required at all column lines. See typical details.
- E. Welded wire fabric reinforcement shall conform to the current ASTM A185.
- F. Provide corner bars in all poured concrete walls. Bars will be bent at right angles and will extend 2'-0" each direction and will be the same in size and spacing as the wall reinforcing.
- G. Provide extra reinforcement around all openings including door openings. Provide two #5 bars each side of opening and extend 2'-0" beyond the corner of the opening. Add two #4 bars 3'-0" long as diagonal bars at each corner each face.
- H. Concrete cylinders shall be cast and tested. See specifications as to quantity and procedure.

VI. PRECAST AND PRESTRESSED CONCRETE:
- A. The precast concrete supplier shall submit design calculations of all beams, wall panels, columns and double tees for approval by the structural engineer before production if alternate reinforcing is requested.
- B. Alternate connection details will be considered. Submit to structural engineer for approval.
- C. Minimum overlap requirements, unless otherwise noted on drawings.
  - Compression:
    - #4 and smaller ..... 1'-0"
    - #5 through #8 ..... 1'-0" plus 2 1/2" per bar size over #4
    - #9 through #11 ..... 1'-10" plus 3" per bar size over #8
  - Tension: See structural drawings and/or ACI (318-71) for minimum lap splice.
- D. Minimum column ties shall be #3 for #10 and smaller and #4 for #11 and larger unless otherwise noted.
- E. See other structural, architectural, mechanical and electrical drawings for reveals, drips, blockouts, openings, inserts, etc. cast into precast members.
- F. See specifications for precast members having an architectural finish.

VII. CONCRETE MASONRY CONSTRUCTION:
- A. Reinforced Concrete Masonry construction shall be in accordance with the Uniform Building Code construction methods and the National Concrete Masonry Association.
- B. All concrete masonry walls with footings shown on framing plans will be constructed of hollow masonry units conforming to ASTM C90-64T. Masonry walls to be reinforced horizontally with a minimum standard Dur-o-wall (or equal) every other course.
- C. Mortar for unit masonry shall be in accordance with ASTM C270, for type "S", minimum f'c = 1800 psi.
- D. All lintels, cells and bond beam units to be filled with concrete that tests to a minimum of 3000 psi at twenty-eight days.
- E. All lintels in masonry walls which are not shown, shall be an eigth (8") bond beam with two #5 and filled with concrete.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING	REMARKS
F1	13'-0" x 13'-0" x 2'-6"	13-#8 EA. WAY	
F2	10'-6" x 10'-6" x 2'-1"	11-#7 " "	
F3	8'-0" x 8'-0" x 1'-10"	8-#6 " "	
F4	5'-6" x 5'-6" x 1'-4"	6-#5 " "	
F5	5'-0" x 5'-0" x 1'-3"	6-#5 " "	
F6	3'-6" x 3'-6" x 1'-1"	4-#5 " "	
F7	3'-0" x 1'-0" x CONT	—	SEE DETAIL 205
F8	3'-0" x 1'-0" x CONT	3-#5 CONT	SEE DETAIL 2/208
F9	2'-0" x 1'-0" x CONT	2-#5 CONT	
F10	1'-4" x 0'-8" x CONT	2-#5 CONT	

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Paul Harms
Date 7-24-75 Reg. No. 10123

JOB NO. 41837
DATE JUNE 20, 1975
PROJECT ENGR. DISCH
DRAWN ROBINSON
CHECKED HARMS

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GEN'L CONSTRUCTION	N.J.R.	P.J.H.
	7-7-75	GENERAL REVISION FOR PRE-BID	N.J.R.	P.J.H.
	6-20-75	P/C STRUCT. CONC. & CRACK CONTROL SYSTEM	N.J.R.	P.J.H.

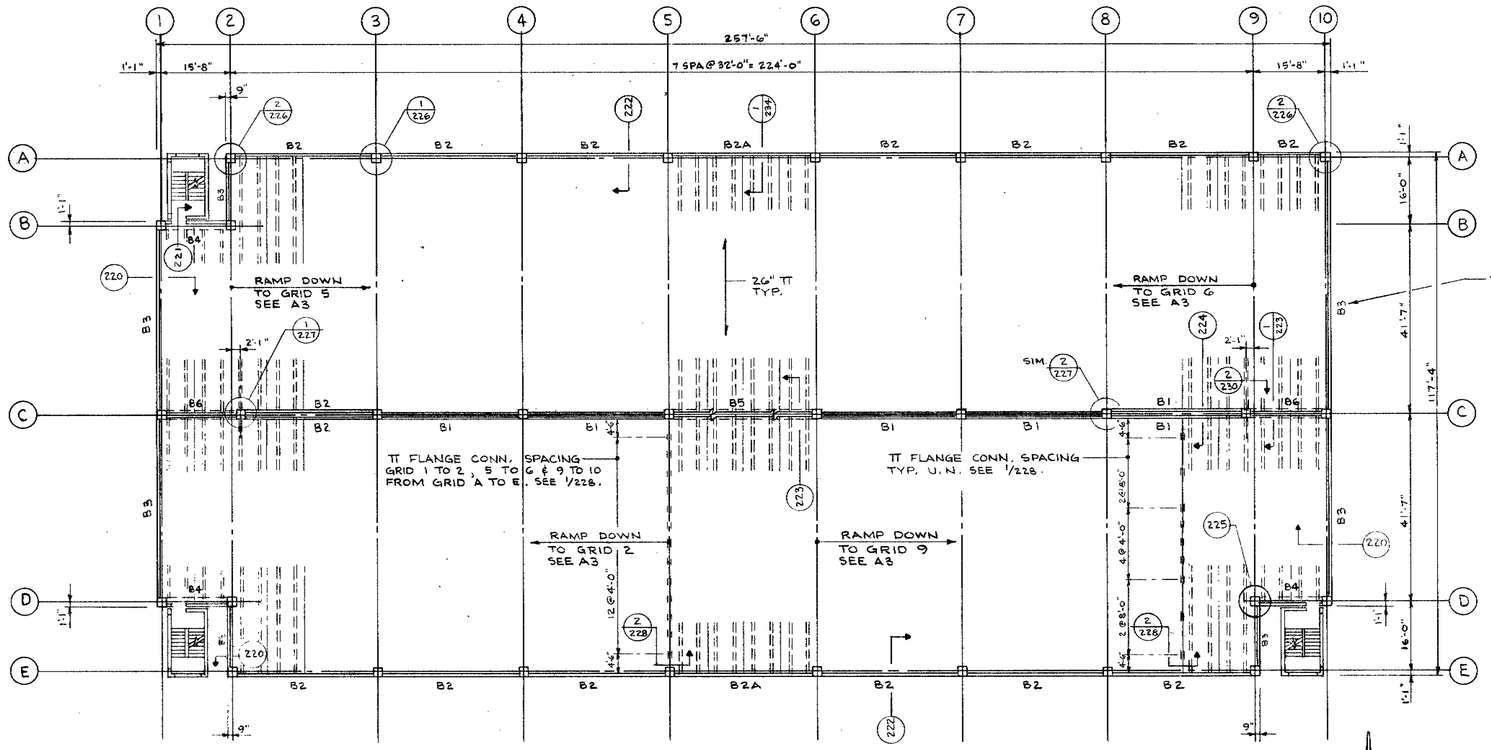
Kalamazoo, Michigan □
Minneapolis, Minnesota ■
Elgin, Illinois □
Detroit, Michigan □

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

FDN. & FIRST LEVEL FRAMING PLAN

S1

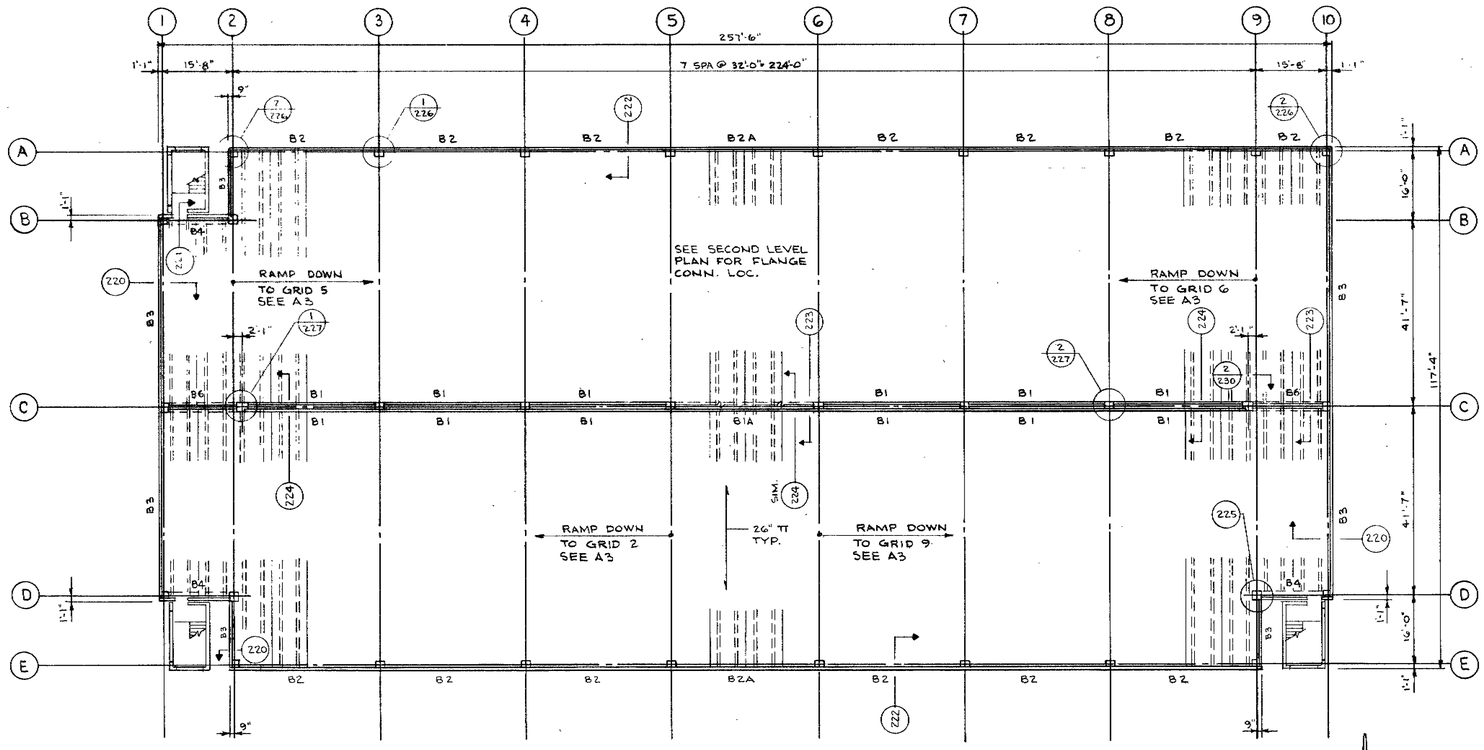
WHEATON BLUE PRINT & SUPPLY CO. 11-72 53474



SECOND LEVEL

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

N



THIRD LEVEL

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

N

JOB NO. 41837
DATE JUNE 20, 1975
PROJECT ENGR. DISCH
DRAWN ROBINSON
CHECKED HARMS

PARKING RAMP P-3
CITY OF EDINA HRA
EDINA MINNESOTA

MARK	DATE	REVISION / RELEASE	INITIAL	APP'D
	7-21-75	ISSUED FOR GEN'L CONSTRUCTION	NJR	RJH
	7-7-75	GENERAL REVISION FOR PRE-BID	NJR	RJH
	6-20-75	P/C STRUCT. CONC. & CRACK CONTROL SYSTEM	NJR	RJH

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Date 7-24-75 Reg. No. 10123

Kalamazoo, Michigan
Minneapolis, Minnesota ■
Elgin, Illinois
Detroit, Michigan

CARL WALKER & ASSOCIATES, inc.
CONSULTING ENGINEERS

SECOND & THIRD LEVEL FRAMING PLANS

S 2