GENERAL NOTES

WORK INCLUDED IN THIS PROJECT IS SEPARATED INTO (5) SEGMENTS:

1. BASE BID:
   a) REMOVE AND REPLACE INSULATION, MEMBRANE AND CONCRETE PAVING SURFACE WITH ASSOCIATED DRAINS, JOINTS, FLASHING, AND SEALANTS IN DESIGNATED AREA AS SHOWN IN PARTIAL PLAN OF 1/GA2.
   b) REMOVE AND REPLACE THE CONCRETE WALKWAY OUTSIDE THE S.W. STAIR TOWER AS SHOWN IN PARTIAL PLAN OF 6/GA4.
   c) MOVE PERIMETER GUARDRAIL WITH ASSOCIATED ELECTRICAL EQUIP. AS SHOWN IN DETAILS 1 & 2 ON SHEET GA5.
2. ADDITIVE ALTERNATE #1:
   a) REMOVE AND REPLACE OR REPAIR METAL FLASHING AS SHOWN ON SHT GA1.
   b) RESEAL ALL FLASHING FOR A COMPLETE WEATHER SEAL SYSTEM. THIS INCLUES JOISTS BTWN FLASHINGS AND FLASHING TO SUBSTRATE SURFACES.
3. ADDITIVE ALTERNATE #2:
   a) ROUTE OUT AND SEAL 500 LINEAL FT. OF CRACK IN EXISTING UPPER LEVEL CONCRETE PAVING SURFACE AS SHOWN IN DETAIL 4/GA1.
4. ADDITIVE ALTERNATE #3:
   a) ADD NEW CONCRETE WALKWAY W/ CURB AND FLASHING OUTSIDE THE N.W. STAIR TOWER AS SHOWN IN PARTIAL PLAN OF 5/GA4.
5. ADDITIVE ALTERNATE #4:
   a) MECHANICALLY CLEAN LOOSE RUST & CORROSION OFF HORIZONTAL GIRTS AND SIDING NEAR 2nd LEVEL EAST EXIT STAIRS. PRIME & REPAINT AS SHOWN IN PARTIAL WALL ELEVATION OF 9/GA5.

STRUCTURAL CONCRETE

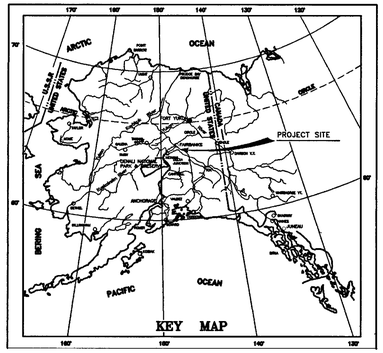
1. CAST-IN-PLACE CONCRETE SHALL BE NORMAL WEIGHT AND SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. ALL CONCRETE SHALL CONTAIN AN APPROVED AIR-ENTRAINING ADMIXTURE AND AN APPROVED WATER REDUCING ADMIXTURE.
3. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO THE STANDARDS OF ASTM A615, GRADE 60.
4. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318, AND THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE STRUCTURES", ACI 315.
5. CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT SHALL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW PRIOR TO FABRICATION.
6. MAXIMUM SLUMP SHALL BE 4 INCHES FOR SLABS, UNLESS OTHERWISE SPECIFIED.
7. MINIMUM CONCRETE COVER SHALL BE 1½" IN SLABS.
8. WHEN CASTING NEW CONCRETE AGAINST EXISTING CONCRETE, CLEAN EXISTING CONCRETE SURFACE BY MECHANICAL ABRASION USING SANDBLASTING, WATERBLASTING, OR OTHER APPROVED MEANS. APPLY BONDING AGENT.
9. INSTALL JOINT SEALANTS PER MFG. RECOMMENDATIONS INCLUDING MECH. ABRASION CLEANING, SURFACE PRIMING, AND MIN. JOINT WIDTHS.

BUILT UP ROOFING

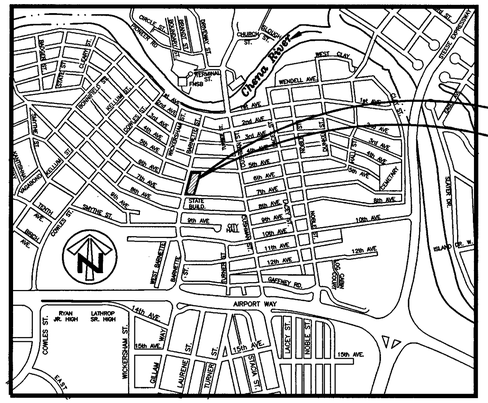
1. BUILT UP ROOFING SYSTEM SHALL CONSIST OF 4 PLIES OF ASPHALT FELTS OVER ½" WOOD FIBER BOARD.
2. FIBER BOARD SHALL COMPLY WITH ASTM C 208 TYPE A-2.
3. ASPHALT, GLASS-FIBER FELT SHALL COMPLY WITH ASTM D 2178, TYPE IV.
4. ROOFING ASPHALT SHALL COMPLY WITH ASTM D 312, TYPE III.
5. HEAT AND APPLY BITUMEN ACCORDING TO EVT METHOD AS RECOMMENDED BY NRCA.

ABBREVIATIONS

EXIST.	EXISTING
CJ.	CONTROL JOINT
OPP.	OPPOSITE
DEMO.	DEMOLISH
SIM.	SIMILAR
TYP.	TYPICAL
HSP	HARRY S. PETERSEN
EQ.	EQUAL
APPRO.	APPROVED
W/	WITH
REIN.	REINFORCE
EA.	EACH
O.C.	ON CENTER
LIN.	LINEAL
FT.	FEET
BUR	BUILT UP ROOFING
GA.	GAGE
MTL.	METAL



STATE OF ALASKA



CITY OF FAIRBANKS (PARTIAL MAP)

PROJECT SITE

SYMBOLS

◆	DATUM POINT
11 / GA1 GA2 — SECTION NUMBER; SHEET NUMBER SECTION CUT FROM; SHEET NUMBER SECTION DRAWN ON	SECTION REFERENCE
DETAIL/SECTION NUMBER 11 / GA1 GA2 — TITLE; SHEET NUMBER SECTION CUT FROM; SHEET NUMBER SECTION/DETAIL DRAWN ON	SECTION/DETAIL TITLE
3 — REVISION NUMBER	REVISION

FAIRBANKS STATE PARKING GARAGE ROOF DECK REPAIRS

STATE OF ALASKA PROJECT NO. 95-25-2-50

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
NORTHERN REGION, DESIGN AND CONSTRUCTION
2301 PEGER ROAD
FAIRBANKS, ALASKA 99709-5316

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LOFTUS ENGINEERING ASSOCIATES, INC.
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Electrical Consultant
LAKE & BOSWELL
543 Third Ave. Suite 206 Fairbanks AK 99701 (907)452-1441

INDEX TO DRAWINGS

T1	General Notes & Additive Alternates
D1	Demolition Plan & Details
GA1	Upper Level Plan, Flashing Repair Schedule & Details
GA2	Partial Roof Plan
GA3	Sections & Details
GA4	Partial Plans, Sections & Details
GA5	Guardrail Details, 2nd Level Partial Wall Elevation
M1/E1	Mechanical & Electrical Details

CODE INFORMATION

CODE: 1991 UBC

ISSUE DATE SET NO.

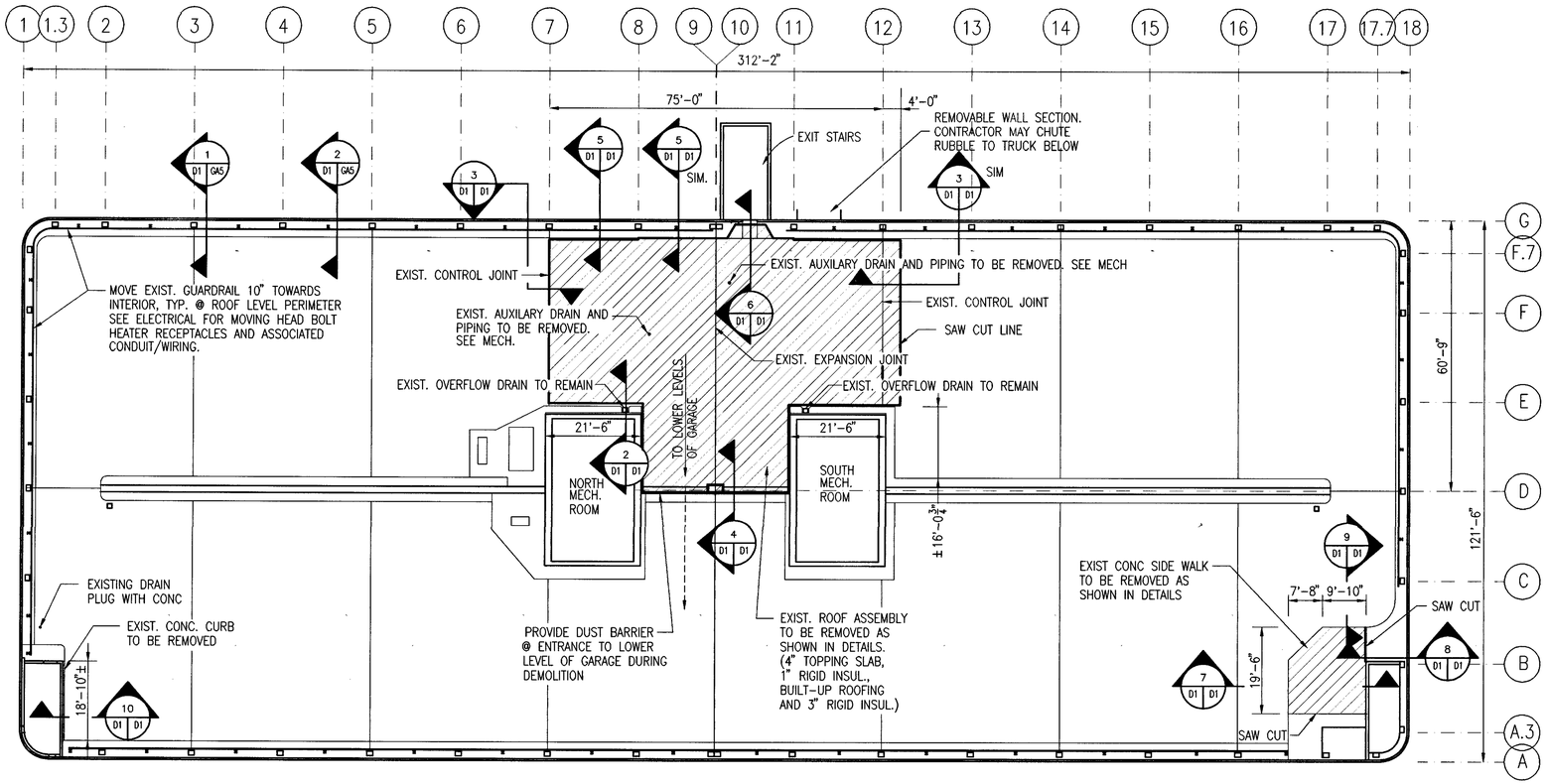
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STATE OF ALASKA DOT/PF
FAIRBANKS STATE PARKING GARAGE
ROOF DECK REPAIRS
PROJECT NO. 96-25-2-50

date: 5/10/96
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designed: PWR
checked: JJL
revised:

GENERAL NOTES
ADDITIVE ALTERNATES

sheet no.
T1



DEMOLITION NOTES

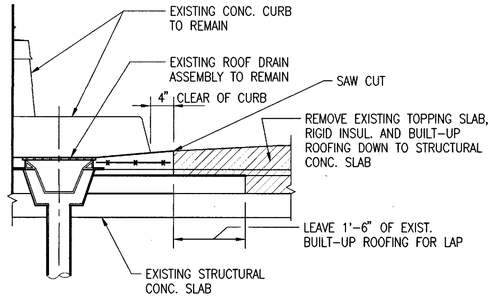
1. EXTENT OF EXISTING TOPPING SLAB TO BE SAW CUT AND REMOVED IS SHOWN ON DEMOLITION PLAN. ALL CONCRETE RUBBLE AND DEMOLITION DEBRIS SHALL BE HAULED TO APPROVED LOCATION FOR OFFSITE DEPOSAL.
2. ASSUME TOPPING SLAB TO BE $4\frac{1}{2}$" THICK AND REINFORCED W/ #3 BARS @ 12" O.C. E.W.
3. DEMOLITION EQUIPMENT TO BE LIMITED TO RUBBER TIRE, LIGHT WEIGHT EQUIPMENT WITH MAXIMUM 4,000 LB AXLE LOAD. THE USE OF TRACTOR MOUNTED RAMS OR EXPLOSIVES SHALL BE PROHIBITED.
4. CONTRACTOR SHALL LIMIT STACKING OF RUBBLE OR MATERIALS TO MAXIMUM 100 PSF OVER PARKING GARAGE SLABS.
5. REMOVE & DISCARD (2) EXISTING AUXILARY ROOF DRAINS AND RELATED PIPING, AS SHOWN ON DEMOLITON PLAN AND MECHANICAL DETAILS.
6. CONTRACTOR TO SUBMIT DEMOLITION PLAN TO DEPARTMENT FOR APPROVAL PRIOR TO STARTING WORK.
7. CONTRACTOR TO VERIFY ALL DIMENSIONS SHOWN.
8. CONTRACTOR TO PROVIDE DUST BARRIER @ DOORS TO LOWER LEVELS ALONG GRID 'D' TO LIMIT DUST TO ROOF LEVEL.

RECORD DRAWING

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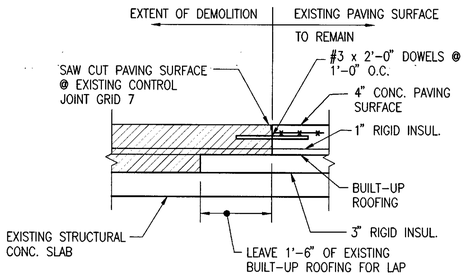
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DATE:_____ BY:_____



2 D1 D1 DEMO. @ EXISTING ROOF DRAIN

1"=1'-0" 135DM02



3 D1 D1 DEMO. @ EXIST. CONSTRUCTION JOINT

1"=1'-0" 135DM05

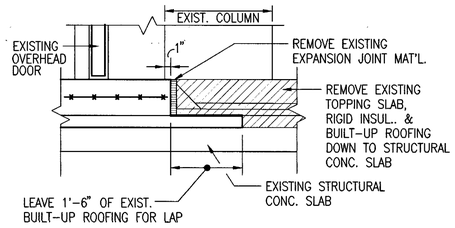
1 - D1 UPPER LEVEL DEMOLITION PLAN

1/16"=1'-0" 135RFDM0

PLAN

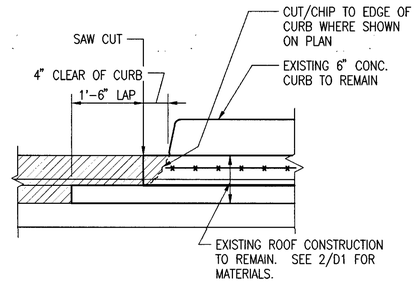
NOTES:

1) GRID LINES CORRELATE TO ORIGINAL CONSTRUCTION DOCUMENTS.
2) ORIGINAL AS-BUILT DWGS FOR PARKING STRUCTURE ARE AVAILABLE FROM THE DEPARTMENT FOR CONTRACTOR REVIEW.



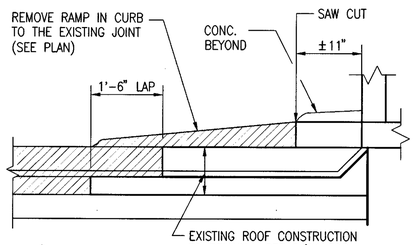
4 D1 D1 DEMO. @ EXPANSION JOINT/OH DOOR SILL

1"=1'-0" 135DM04



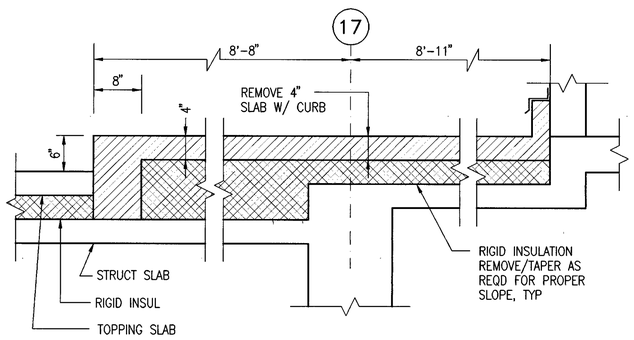
5 D1 D1 DEMO. @ EXIST. PERIMETER CURB

1"=1'-0" 135DM03



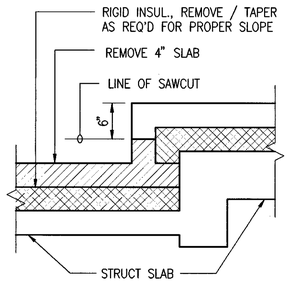
6 D1 D1 DEMO. @ EXIST. CURB CUT/DOOR

1"=1'-0" 135DM01



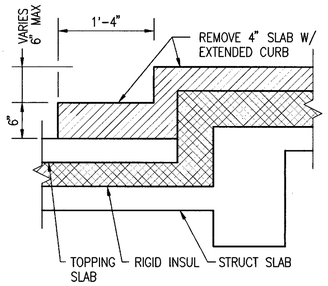
7 D1 D1 DEMO @ EXIST SIDEWALK

1"=1'-0" 135DM07



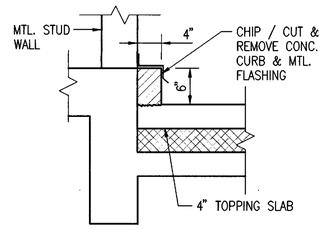
8 D1 D1 DEMO @ EXIST SIDEWALK

1"=1'-0" 135DM08



9 D1 D1 DEMO @ EXIST SIDEWALK

1"=1'-0" 135DM06



10 D1 D1 SECTION

1"=1'-0" 135DM10

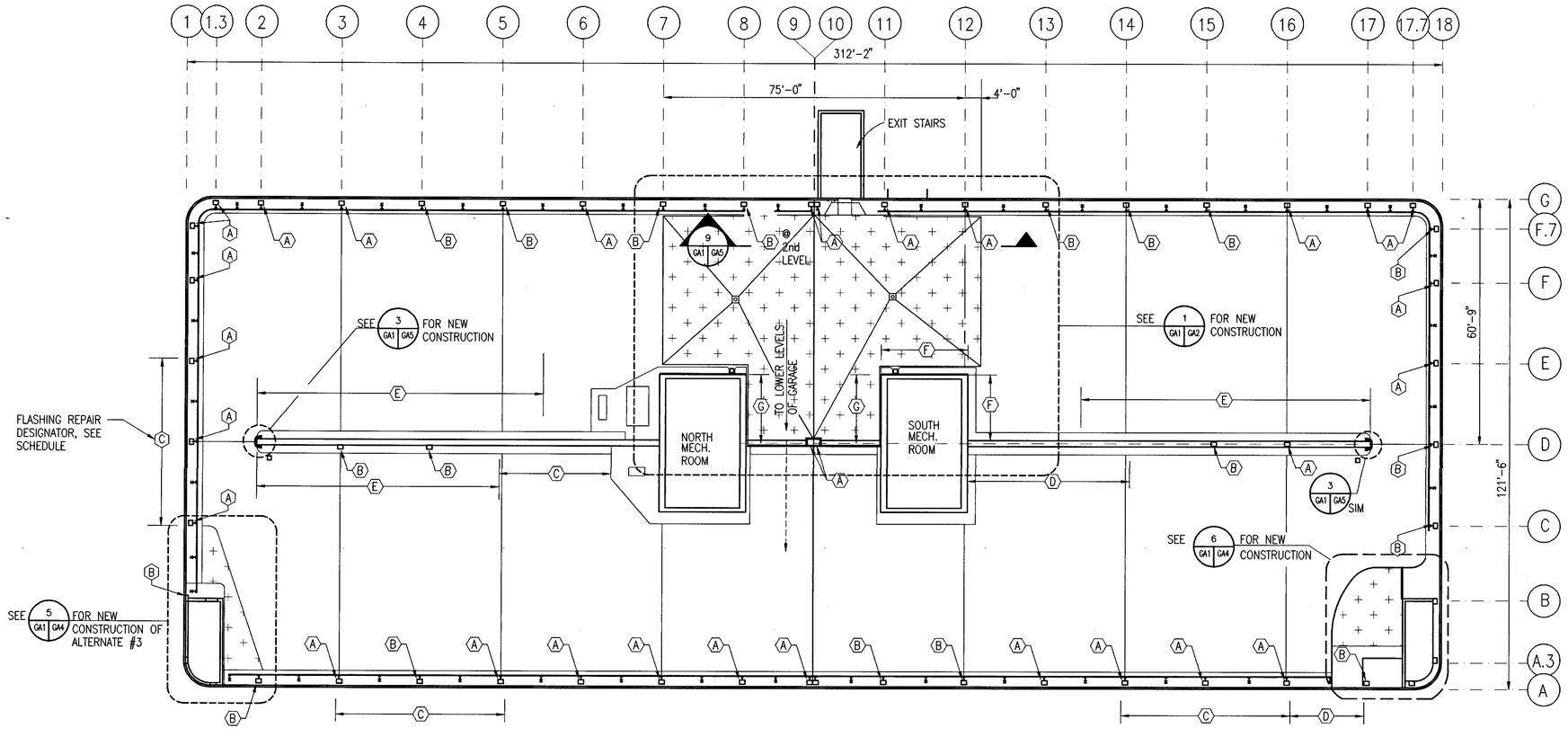
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FAIRBANKS STATE PARKING GARAGE
ROOF DECK REPAIRS
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revised:

UPPER LEVEL
ROOF DEMOLITION PLAN
SECTIONS & DETAILS

sheet no.
D1



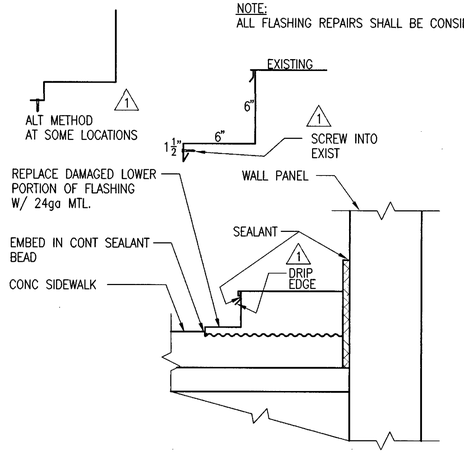
ALTERNATE #1
FLASHING REPAIR SCHEDULE

MARK	DESCRIPTION	DETAIL	QUANTITY
Ⓐ	REMOVE & REPLACE COLUMN FLASHING	6/GA3	31
Ⓑ	SEAL & REFASTEN COLUMN FLASHING	6/GA3	19
Ⓒ	REMOVE & REPLACE CURB FLASHING	2/GA1	150 LIN. FT.
Ⓓ	REMOVE & REPLACE CURB FLASHING	3/GA3	60 LIN. FT.
Ⓔ	SEAL & REFASTEN CURB FLASHING	3/GA3	200 LIN. FT.
Ⓕ	REMOVE & REPLACE CURB FLASHING	8/GA3	40 LIN. FT.
Ⓖ	REMOVE & REPLACE WALL FLASHING	3/GA1	36 LIN. FT.

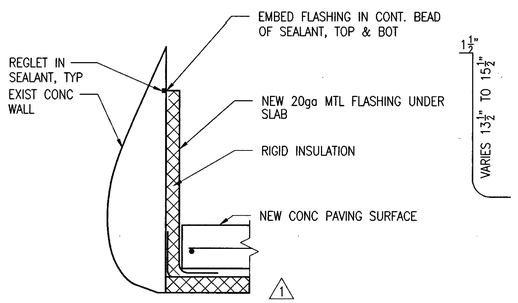
1 – GA1 UPPER LEVEL PLAN
1/16"=1'-0" 135RFDMO

PLAN

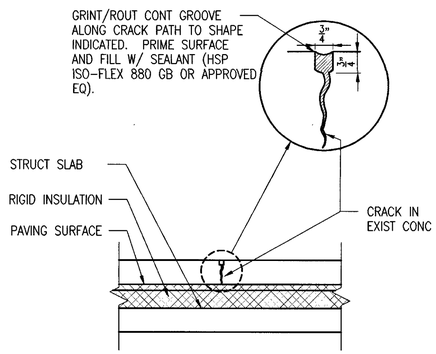
NOTE:
ALL FLASHING REPAIRS SHALL BE CONSIDERED AS ADDITIVE ALTERNATE #1 WORK ITEMS.



2 GA1 GA1 CURB FLASHING
1"=1'-0" 13540T02



3 GA1 GA1 WALL FLASHING
1 1/2"=1'-0" 13540T03



NOTE:
ALL ROUTING/GRINDING & SEALING OF CRACKS IN EXISTING CONC PAVING SURFACE SHALL BE CONSIDERED AS ADDITIVE ALTERNATE #2 WORK ITEMS. THE DEPARTMENT WILL DESIGNATE THE LOCATION AND EXTENT OF CRACKS TO BE REPAIRED, NOT TO EXCEED 500 LINEAL FEET.

4 – GA1 ALTERNATE #2 TYP CRACK REPAIR
1"=1'-0" 13540T04

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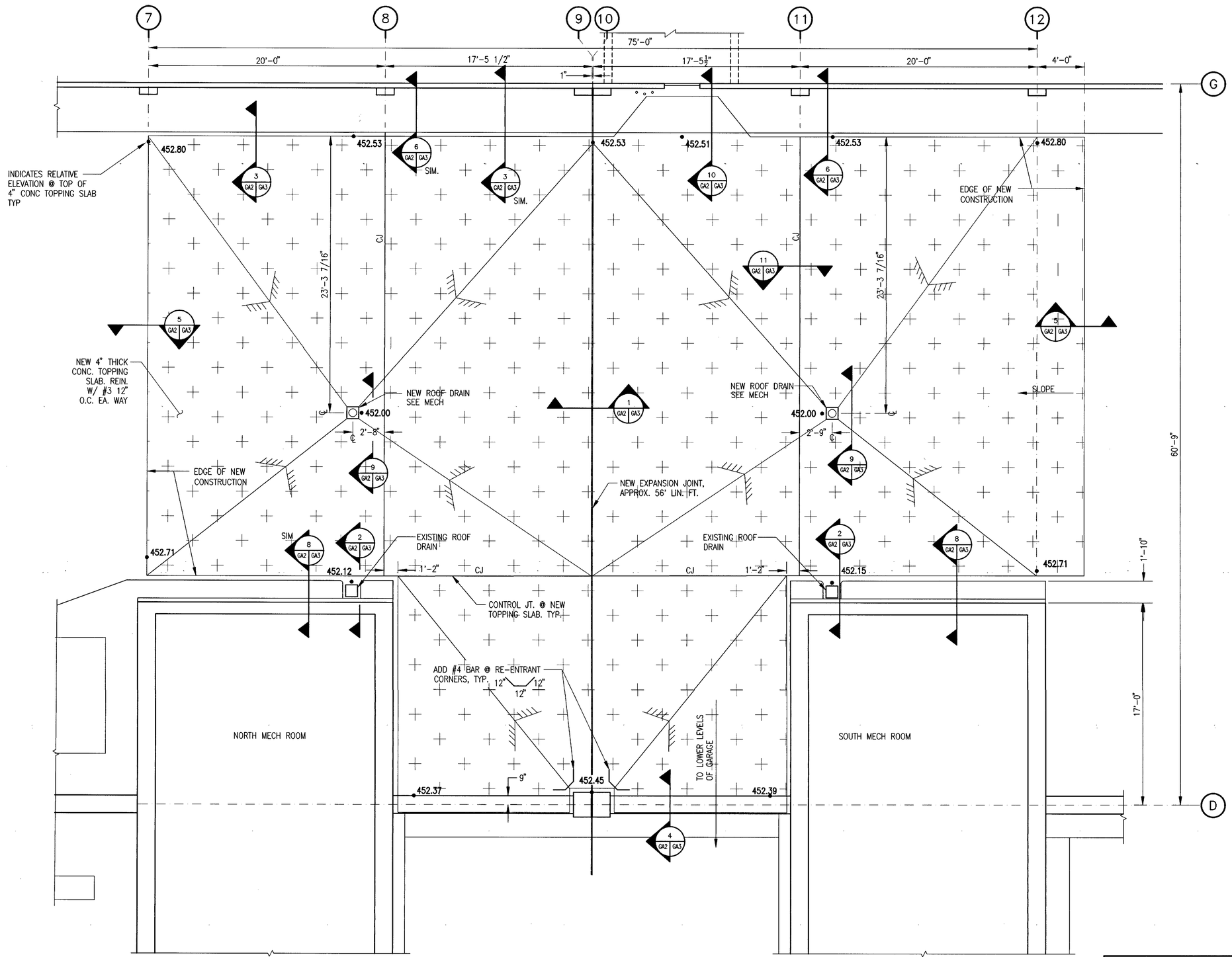
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STATE OF ALASKA DOT/PF
FAIRBANKS STATE PARKING GARAGE
ROOF DECK REPAIRS
PROJECT NO. 96-25-2-50

date: 5/10/96
drawn: VNG
designed: PWR
checked: JJL
revised:
1 AS-BUILT SEPT 1996

UPPER LEVEL PLAN
FLASHING REPAIR SCHEDULE & DETAILS

sheet no.
GA1



PARTIAL ROOF PLAN TOPPING SLAB RENOVATION

1 / GA1 GA2 — 1/4"=1'-0"

135RP03

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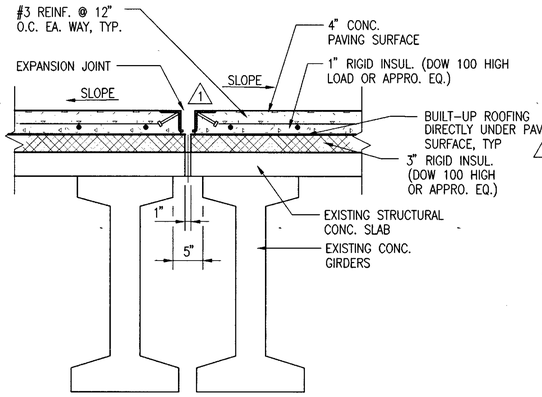
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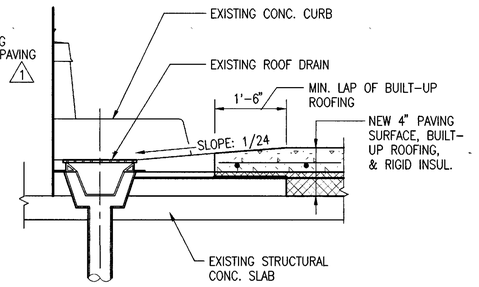
PARTIAL ROOF PLAN

sheet no.
GA2

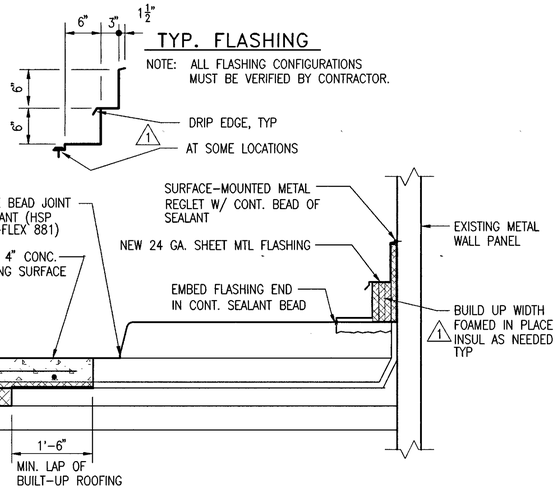


NOTE: ALL RIGID INSULATION MUST COMPLY W/ ASTM 578, TYPE V.

1 GA2 GA3 NEW EXPANSION JOINT
1"=1'-0" 135DET1



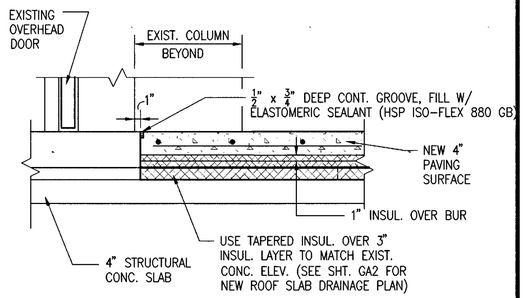
2 GA2 GA3 NEW ROOF PAVING @ EXISTING ROOF DRAIN
1"=1'-0" 135DET2



TYP. FLASHING

NOTE: ALL FLASHING CONFIGURATIONS MUST BE VERIFIED BY CONTRACTOR.

3 GA2 GA3 TYPICAL DETAIL @ CONC. CURB
1"=1'-0" 135DET3



NOTE: RIGID INSULATION MUST COMPLY W/ ASTM 578, TYPE V.

4 GA2 GA3 NEW ROOF PAVING @ OVERHEAD DOORS
1"=1'-0" 135DET4

5 GA2 GA3 TYPICAL CONSTRUCTION JOINT
1½"=1'-0" 135DET5

6 GA2 GA3 FLASHING @ COLUMNS
1"=1'-0" 135DET6

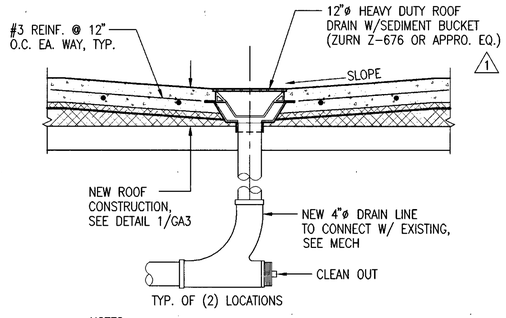
PLAN VIEW

NOTE: ALL FLASHING CONFIGURATIONS MUST BE VERIFIED BY CONTRACTOR.

7 GA2 GA3 FLASHING DETAIL @ COLUMNS
1"=1'-0" 135DET7

NOTE: FLASHING CONFIGURATION MUST BE VERIFIED BY CONTRACTOR.

8 GA2 GA3 TYPICAL DETAIL @ MECH. PENTHOUSE
1"=1'-0" 135DET8

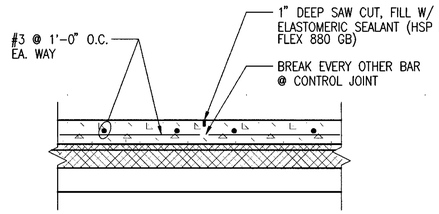


NOTES:
USE 30" x 30" x 4 lb. LEAD COLLAR, SHAPE AROUND DRAIN AND BOND/SEAL TO BUR.

9 GA2 GA3 NEW ROOF DRAIN
1"=1'-0" 135DET9

NOTE: CURB DIMENSIONS MUST BE VERIFIED BY CONTRACTOR.

10 GA2 GA3 NEW CURB @ STAIR DOOR
1"=1'-0" 135del10



NOTE: SAWED JOINTS SHALL BE MADE AS SOON AS THE JOINT CAN BE CUT W/O EDGES RAVELING AND WITHIN 24 HOURS OF SLAB PLACEMENT..

11 GA2 GA3 TYP. CONTROL JOINT
1"=1'-0" 135DET11

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LOFTUS ENGINEERING, ASSOC.

DATE: _____ BY: _____

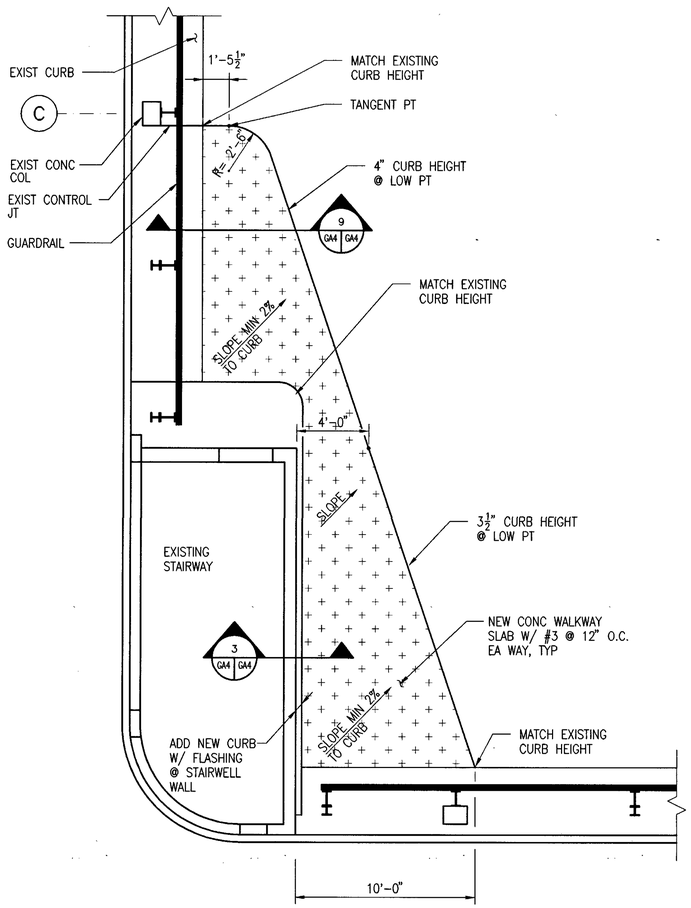
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STATE OF ALASKA DOT/PF
FAIRBANKS STATE PARKING GARAGE
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PROJECT NO. 96-25-2-50

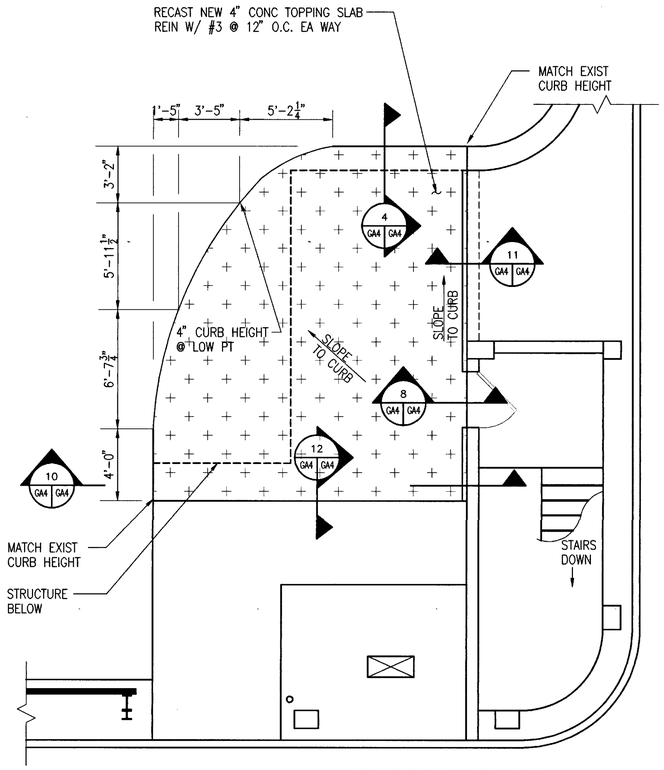
date: 5/10/96
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checked: JJL
revised:
1 AS-BUILT SEPT 1996

SECTIONS & DETAILS

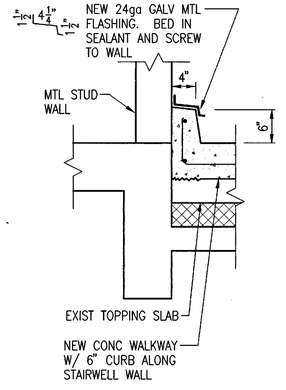
sheet no. GA3



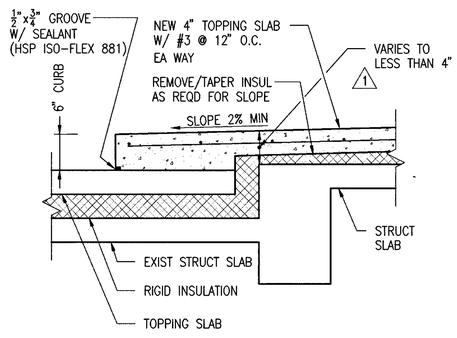
5 GA1 GA4 ALTERNATE #3 PARTIAL PLAN ROOF LEVEL
1/4"=1'-0" 135DET15



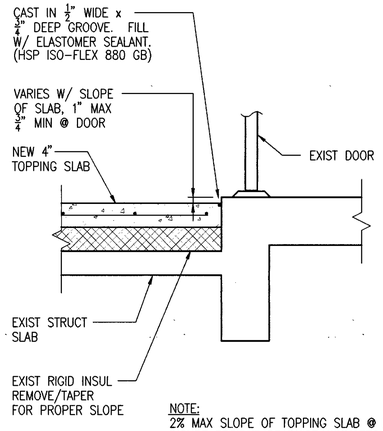
6 GA1 GA4 PARTIAL PLAN ROOF LEVEL
1/4"=1'-0" ROOFDET



3 GA4 GA4 SECTION
1"=1'-0" 135DET22



4 GA4 GA4 SECTION
1"=1'-0" 135DET03



NOTE:
2% MAX SLOPE OF TOPPING SLAB @ DOOR WAY. INSURE POSITIVE DRAINAGE AWAY FROM DOOR.

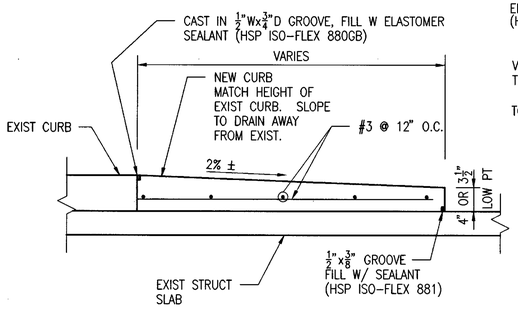
8 GA4 GA4 SECTION @ DOOR
1"=1'-0" 135DET05

RECORD DRAWING

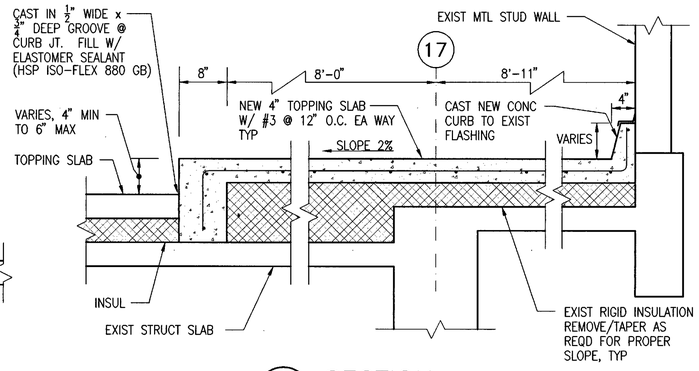
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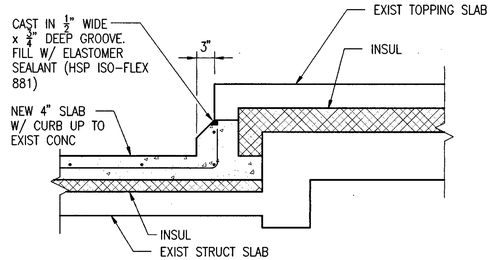
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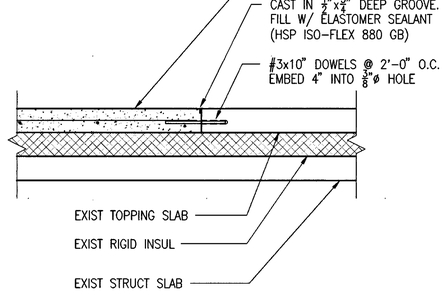
9 GA4 GA4 SECTION
1"=1'-0" 135DET16



10 GA4 GA4 SECTION
1"=1'-0" 135DM02



11 GA4 GA4 SECTION
1"=1'-0" 135DET04



12 GA4 GA4 SECTION
1"=1'-0" 135DET06

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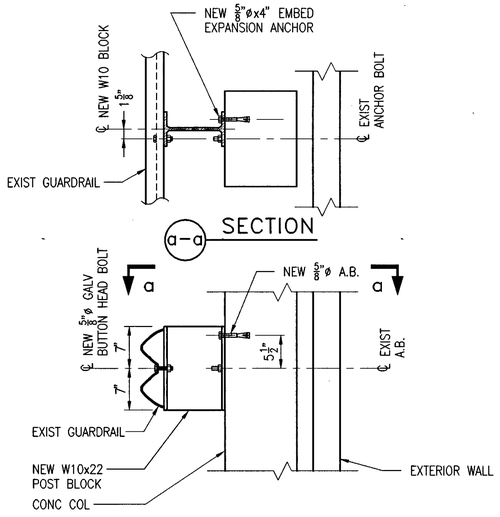
STATE OF ALASKA DOT/PF
FAIRBANKS STATE PARKING GARAGE
ROOF DECK REPAIRS
PROJECT 96-25-2-50

PARTIAL PLANS
SECTIONS & DETAILS

date: 5/10/96
drawn: VNG
designed: PWR
checked: JJL
revised:

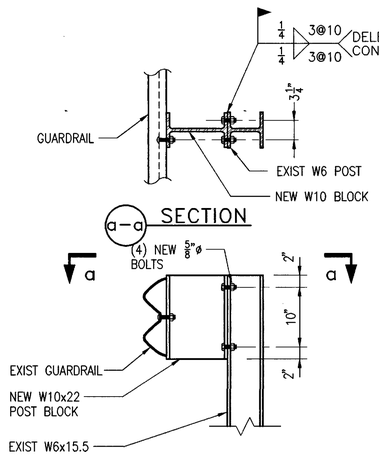
1 AS-BUILT SEPT 1996

sheet no.
GA4



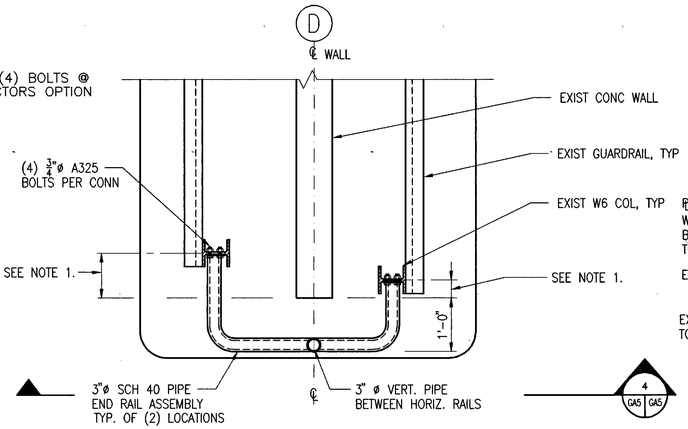
NOTES:
1) GUARDRAIL TO BE MOVED INWARD 10" USING W10 POST BLOCK.
2) ALL FASTENERS EXPOSED TO WEATHER SHALL BE GALVANIZED OR STAINLESS STEEL, TYPICAL.
3) USE DOUBLE POST BLOCK WHERE GUARDRAIL SPLICED @ COL.
4) THIS DETAIL TYPICAL OF (41) LOCATIONS.

1 D1 GA5 SECTION @ PERIMETER GUARDRAIL
1" = 1'–0" 1350ET07



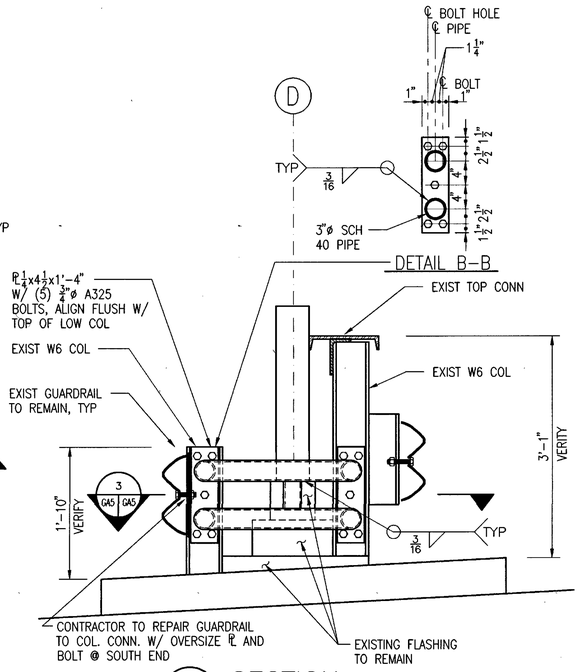
NOTE:
THIS DETAIL TYPICAL OF (40) LOCATIONS.

2 D1 GA5 SECTION @ PERIMETER GUARDRAIL
1" = 1'–0" 1350ET08

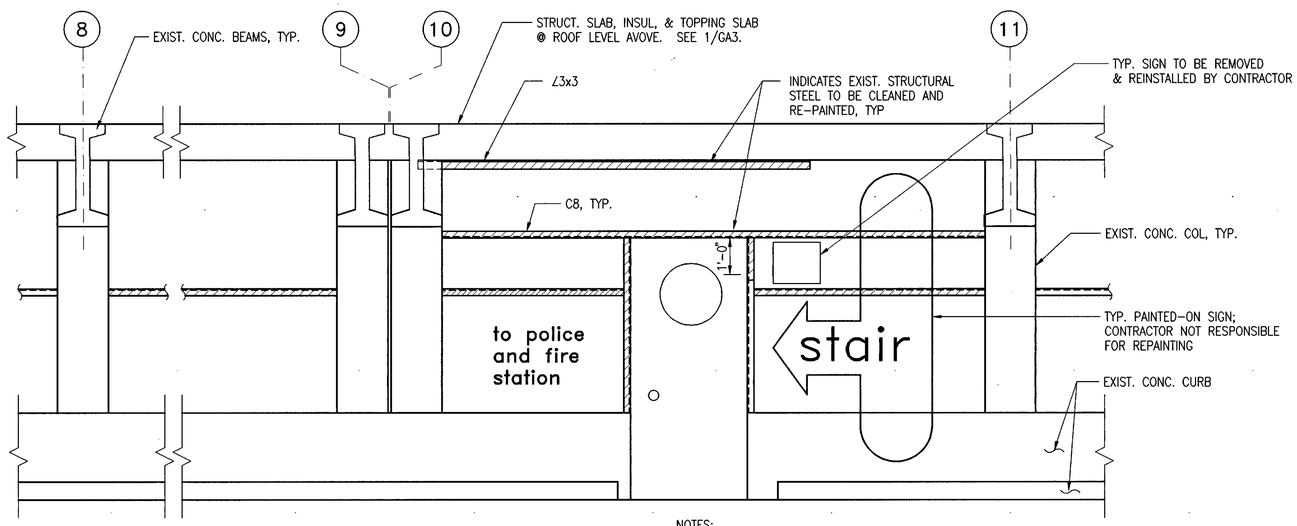


NOTES:
1) SET BACK OF W6 COLUMNS FROM END OF CONC WALL VARIES @ NORTH & SOUTH ENDS OF PARKING STRUCTURE. CONTRACTOR TO VERIFY PRIOR TO FABRICATION OF NEW PIPE END RAIL.
2) EXISTING GUARDRAIL ENDS & (1) W6 COL ARE DAMAGED. CONTRACTOR NOT RESPONSIBLE FOR STRAIGHTENING OR REPLACEMENT. W6 COL TO BE CLEANED & REPAINTED @ AREAS OF CORROSION. ENSURE SNUG CONNECTION OF EXIST GUARDRAIL TO COL.

3 GA1 GA5 PARTIAL PLAN
3/4" = 1'–0" 1350ET21



4 GA5 GA5 SECTION
1" = 1'–0" 1350ET22



9 GA1 GA5 ALTERNATE #4 PARTIAL WALL ELEVATION
1/2" = 1'–0" UNNAMED

NOTES:
1) REMOVE AND REINSTALL ALL REMOVABLE SIGNS IN THE AREA TO BE CLEANED AND REPAINTED.
2) GIRTS TO BE CLEANED BY SSPC–SP11 "POWER TOOL CLEANING TO BARE METAL." AFTER CLEANING, APPLY PRIMER COAT AND TWO COATS OF SEMI–GLOSS ALKYD ENAMEL PAINT TO MATCH EXISTING GIRTS. EXTENT OF GIRT CORROSION SHOWN ON DWG.
3) METAL WALL PANEL SURFACES BETWEEN GRIDS '8' AND '11' SHALL BE CLEANED OF ALL STAINS BY SSPC–SP3 "POWER TOOL CLEANING". APPLY PRIMER COAT AND FINISH WITH (2) COATS SEMI–GLOSS ENAMEL TO MATCH EXISTING PAINT COLOR. REPLACEMENT OF PAINTED SIGNS NOT REQUIRED.
4) CORRODED CONDUIT BETWEEN GRIDS '8' AND '11' SHALL BE CLEANED BY SSPC–SP3 AND PAINTED WITH GALVANIZED PAINT.

RECORD DRAWING
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LOFTUS ENGINEERING, ASSOC.
DATE: _____ BY: _____

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STATE OF ALASKA DOT/PF
FAIRBANKS STATE PARKING GARAGE
ROOF DECK REPAIRS
PROJECT NO. 96–25–2–50

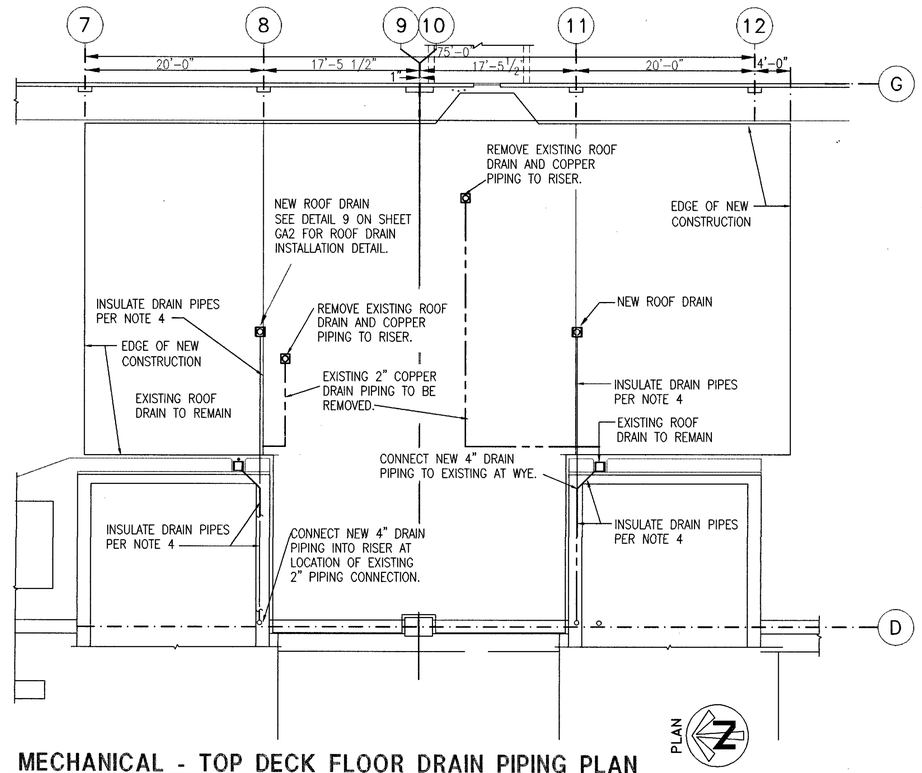
date: 5/10/96
drawn: VNG
designed: PWR
checked: JJL
revised:

WALL ELEVATION SECTIONS & DETAILS

sheet no. GA5

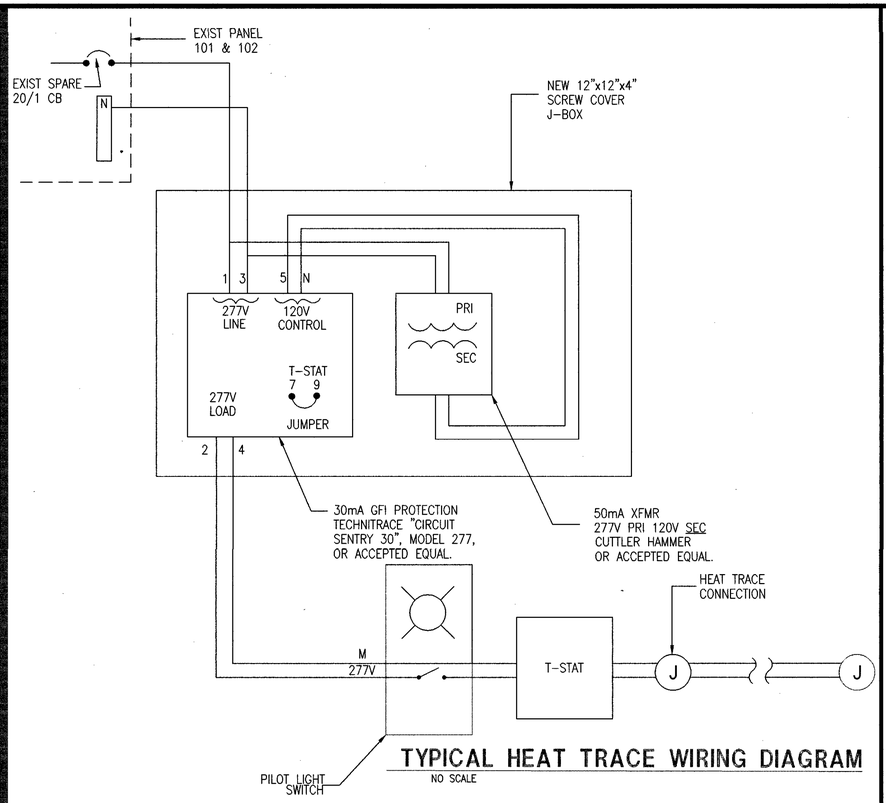
SPECIFICATIONS

1. FURNISH ALL EQUIPMENT, MATERIAL AND LABOR TO PROVIDE COMPLETE AND OPERATING MECHANICAL SYSTEMS.
2. ALL WORK TO BE DONE IN ACCORDANCE WITH LATEST EDITION OF UPC, UBC, UMC, AS APPLICABLE.
3. ROOF DRAIN PIPING SHALL BE HEAT TRACED WITH RAYCHEM CHEMELEX MODEL 8BTV1 SELF LIMITING HEAT TRACE. INSTALL HEAT TRACE WITH A PITCH OF 22 IN. (1.3 FT OF HEAT TRACE PER FT. OF PIPE) PRIOR TO INSTALLATION OF INSULATION. MECH. CONTR. TO PROVIDE HEAT TRACE AND CONNECTORS, INSTALLATION BY ELEC. CONTR. PROVIDE T'STAT TO TURN ON HEAT TRACE AT 40°F.
4. INSULATE HORIZONTAL ROOF DRAIN PIPING WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET. PROVIDE HEAVY CORRUGATED ALUMINUM JACKET ON PIPE INSULATION IN ADDITION TO VAPOR BARRIER JACKET.
5. NEW ROOF DRAIN PIPING SHALL BE GALVANIZED STEEL PIPE WITH VICTAULIC CONNECTIONS AND FITTINGS.. HANGERS SHALL BE CLEVIS HANGERS OR SPLIT RING HANGERS EQUAL TO GRINNELL FIG. 104. HANGER SPACING SHALL BE NOT MORE THAN 10 FT. PROVIDE SWAY BRACING WHERE HANGER RODS ARE LONGER THAN 24". USE HIGH DENSITY INSULATION INSERTS AND 18 GA. METAL SHIELD AT PIPE SUPPORTS. FASTEN HANGERS AND SWAY BRACING TO EXISTING CONCRETE WITH 3/8"ØX2-1/2" EMBED EXPANSION ANCHOR (HILTI KWIK BOLT OR EQUAL).



MECHANICAL - TOP DECK FLOOR DRAIN PIPING PLAN

SCALE 1/8"=1'-0"

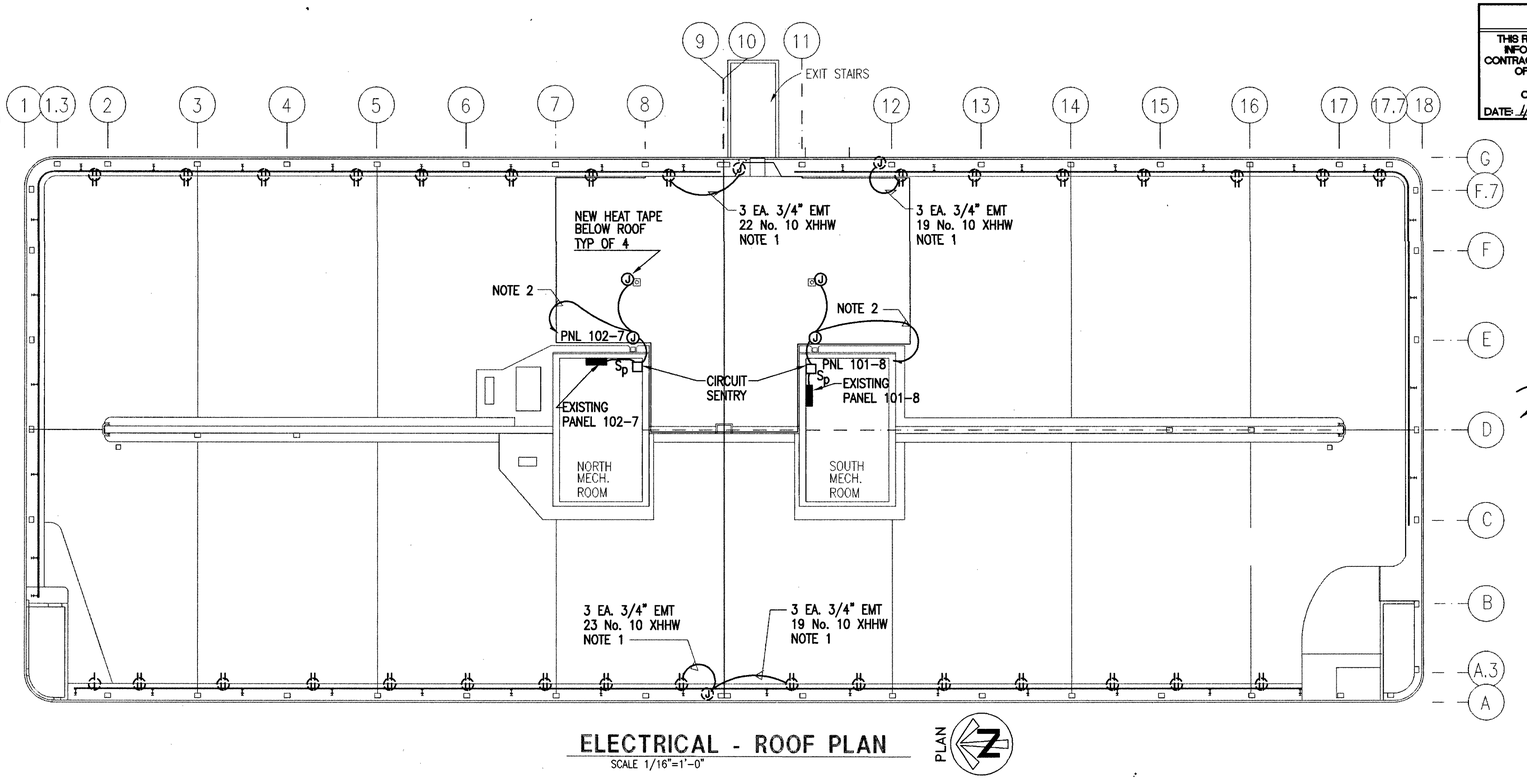


TYPICAL HEAT TRACE WIRING DIAGRAM

NO SCALE

ELECTRICAL NOTES

1. GUARDRAIL SHALL BE MOVED 10 INCHES TOWARDS INTERIOR. CUT BRANCH CIRCUIT WIRING AND DISCONNECT EXISTING CONDUITS AT THE J-BOXES AND REMOVE NO 10 CONDUCTORS IN RAIL MOUNTED CONDUIT DURING DEMOLITION. EXTEND CONDUITS AFTER RAIL HAS BEEN MOVED BETWEEN THE J-BOXES AND RAILS AND INSTALL NEW CONDUCTORS IN RAIL MOUNTED CONDUIT, QUANTITY AND SIZE AS NOTED.
2. PROVIDE 2 NO. 12 TYPE XHHW IN 1/2 INCH EMT TO NEW ROOF DRAIN HEAT TAPES. CORE DRILL THROUGH FLOOR OF MECHANICAL ROOMS TO ACCESS HEAT TAPES. FEED THRU NEW PILOT LIGHT SWITCHES. REPLACE EXISTING 20A-1P SPARE CIRCUIT BREAKERS AT CIRCUIT NUMBERS INDICATED WITH NEW 30 MA GCI 20A-1P. INSULATED HEAT TAPE CONNECTORS SHALL BE FURNISHED BY DIVISION 15 AND INSTALLED BY DIVISION 16.
3. DASHED LINES SHALL INDICATE EXISTING DEVICES TO REMAIN.



ELECTRICAL - ROOF PLAN

SCALE 1/16"=1'-0"

SYMBOLS

- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- J JUNCTION BOX
- BRANCH PANEL
- Sp PILOT LIGHT SWITCH
- BRANCH CIRCUIT WIRING, NUMBER OF CONDUCTORS AND CONDUITS AS NOTED
- BRANCH CIRCUIT HOME RUN TO PANELBOARD

RECORD DRAWING

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LAKE AND BOSWELL, CONSULTING ELECTRICAL ENGINEERS, INC.
DATE: 1/8/97 BY:

Loftus Engineering Associates, Inc.
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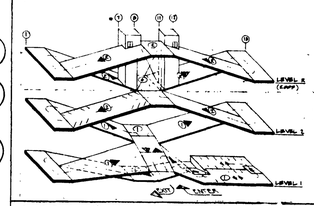
STATE OF ALASKA DOT/PF
FAIRBANKS STATE PARKING GARAGE
ROOF DECK REPAIRS
PROJECT NO. 96-25-2-50

date: 5/10/96
drawn: MAS
designed: EDR
checked: EDR
revised:

MECHANICAL AND ELECTRICAL DETAILS

sheet no.
M1/E1

DELETED



GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

ROOM FINISH SCHEDULE

LETTER DESIGNATIONS:

A. EXPOSED CONCRETE
B. CONCRETE CURB
C. 12" x 12" x 1/8" SMOOTH VINYL ASBESTOS TILE
D. RUBBER TREADS & RISERS (LANDINGS V.A.T.)
E. 6" RUBBER BASE
F. ENAMEL PAINT ON 3/4" PLASTER
G. LATEX PAINT ON 5/8" GYP. BD.
H. 5/8" GYP. BD. - NO FINISH
J. METAL PANELS - FINISH BY MFGR.
K. METAL LOUVER ENCLOSURES - FIN. BY MFGR.
L. METAL DECK
M. 3/4 SUSPENDED PLASTER CEIL.
N. NONE
O. SUSPENDED ACOUSTICAL TILE
P. CEILING HEIGHT VARIES
Q. PERIMAT

FINISH SCHEDULE NOTES:

1. PAINT INTERIOR & EXTERIOR WOOD & METAL DOORS - TYP.
2. PAINT ALL PIPE, HANDRAILS, GUARDRAILS, LADDERS, ETC.
3. PAINT OPERATIONS ON WALL FINISH AS INDICATED ON FLR. PLANS & INTERIOR ELEVATIONS. PAINT ON FACE SHALL HAVE NON-SLIP FINISH

FINISH SCHEDULE KEY

	FLOOR	BASE	WALLS	CLG.	CLG. HGT.	NOTES
EXAMPLE	A	B	J	A	P	1,2,3

NOTE: INTERIOR CONC. FINISHES - ALL PRIMARY SURFACES TO HAVE BULL FINISH - ALL OTHERS TO BE STEEL TROWELED

1/16" = 1'-0"

LEVEL L (LOWER) A-B (A-F) A-P (1,2,3)
1/16" = 1'-0"

LEVEL 1 A-B (A-F) A-P (1,2,3)
1/16" = 1'-0"

LEVELS L (LOWER) & 1 FLOOR PLANS

JOB NO.: 72.5-082
DATE: 12-27-74

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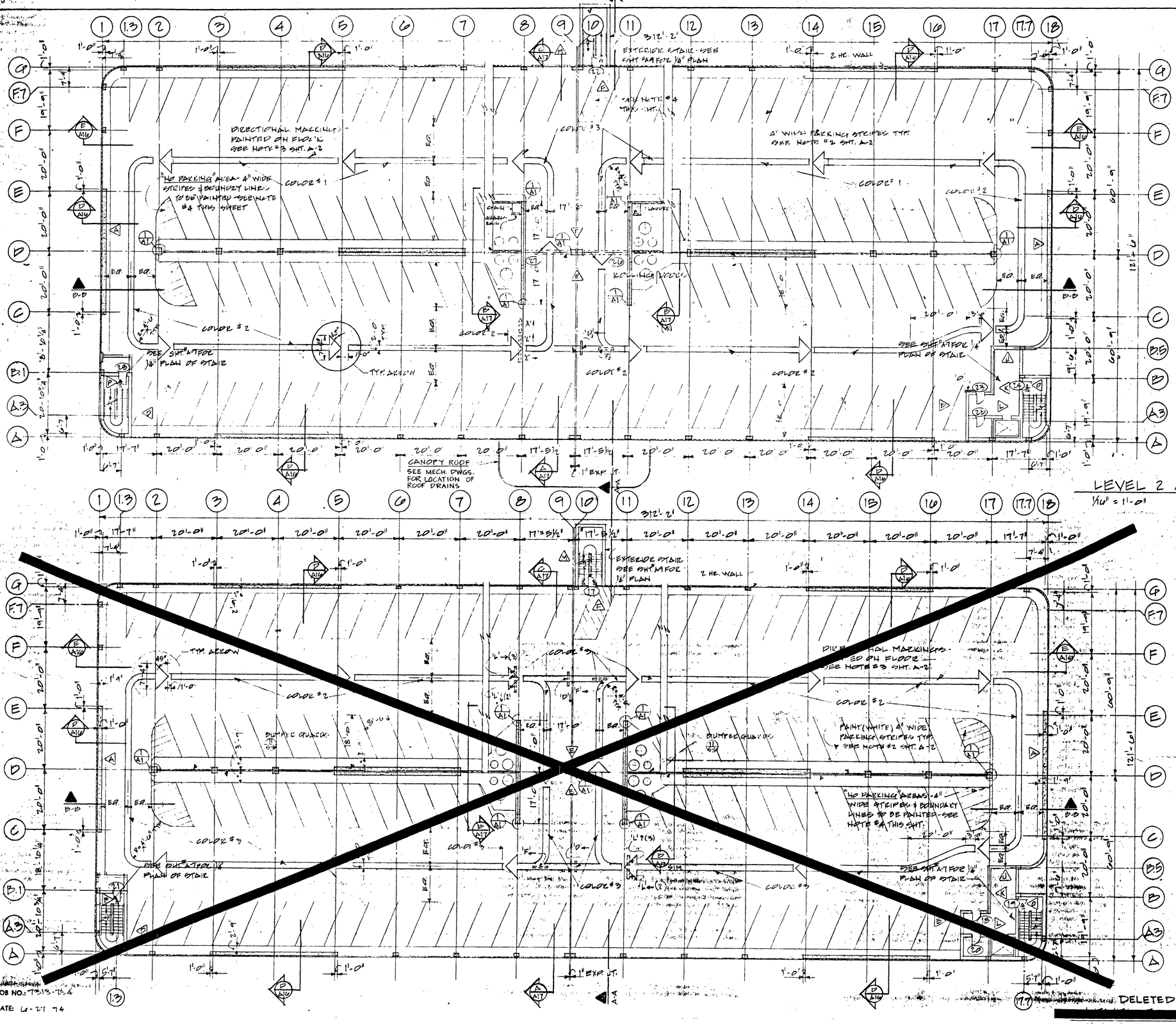
FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

PETER KIEWIT SONS CO.
ALASKA
AS-BUILT

A-1



LEVEL 2 A,B,1,A,F,J,A,P(1,2,3

1/16" = 1'-0"

GRAY ROGERS MYERS & MORGAN

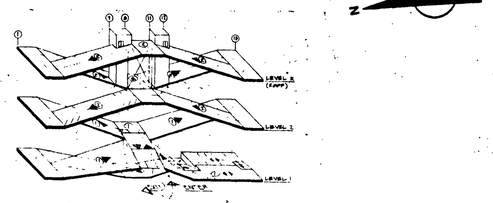
A DIVISION OF ELLERBE

NOTES:

1. ALL WOOD DOORS SHALL BE GIVEN:
   - 1 COAT ENAMEL UNDERCOAT
   - 1 COAT 1/2 ENAMEL UNDERCOAT AND 1/2 ALKYD BASE ECCOSHELL ENAMEL
   - 1 COAT ALKYD-BASE ECCOSHELL ENAMEL
2. PARKING STRIPES PAINTED W/ "PARCO" TRAFFIC LINE PAINT (WHITE NO. 8052) APPLY AS PER MFGR. SPECIFICATIONS
3. DIRECTIONAL MARKINGS PAINTED W/ "PARCO" (OR EQUAL) TRAFFIC LINE PAINT (SPECIAL COLORS) REQUIRED FOR EACH LEVEL - COLORS TO MATCH SAMPLES SUBMITTED BY ARCHITECT
4. "NO PARKING" AREAS TO HAVE PAINTED STRIPES BOUNDARY - USE "PARCO" (YELLOW NO. 8053)

REF. SPEC. SECTION 03301, 12.0 & .7:

APPLY NON-SLIP AGGREGATE (FRICTEX "H" OR EQUAL) TO ALL INTERIOR DRIVING SURFACES AND ENTRANCE DRIVEWAY. USE SPECIFIED 25#/100 FT² ALL AREAS EXCEPT PLACE 40#/100 FT² IN FOLLOWING LOCATIONS:
1. ENTRANCE DRIVEWAY
2. ENTIRE AREA BETWEEN COLUMN LINES 1 & 2, B & 11, AND BETWEEN 17 & 18.
3. 15'-0" WIDE STRIP ON ALL RAMPS ALONG ℄ OF DRIVING SURFACE



LEVEL 2 FLOOR PLAN

JOB NO.: 7313-13.4

DATE: 6-27-74

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FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.

RECOMMENDED

CONTRACTOR'S REP.

OWNER'S REP.

DATE

AS-BLT

A-2

SHEET 5 OF

SIGN MARK	QTY.	DESCRIPTION	MOUNTING	REMARKS
A	1	100 SERIES CLOSED (TRANSLUCENT) 18" x 42" - SOLID ACRYLIC PLAS. PLAQUE W/STAMPED ON LETTERS (3"-BLACK) PLAQUE COLOR - WHITE	ANCHOR BOLT-SURFACE WALL MOUNT TO CONC.	SELF-ILLUMINATED INCANDESCENT EGRESS ALUM. FLAME FINISH-BLACK DURANODIC • INTELITE •
B	1	100 SERIES Parking Level (4) Restricted Parking 18" x 12'-0" - SOLID ACRYLIC PLAS. PLAQUE W/STAMPED ON LETTERS (3" - WHITE) PLAQUE COLOR #10 (BLUE/BLACK)	SUSPENDED TYPE 'A'	SEE SYMBOL TYPES SCHEDULE - THIS SHT. (SIM.)
C	1	100 SERIES Auto Exit, Parking Level (5) 18" x 12'-0" - MATERIAL, ETC. SAME AS SIGN 'B' ABOVE		
D	4	100 SERIES AUTO EXIT (2) EACH; AUTO EXIT (1) EACH; Auto Exit (1) EACH 18" x 42" EACH - SOLID ACRYLIC PLAS. PLAQUES W/STAMPED ON LETTERS (3"-WHITE) PLAQUE COLOR #10 (BLUE/BLACK)	LIQUID ADHESIVE ON CONC. BEAM	
E	~~1~~	~~To Police & Fire station; 7th and Barnette (1) EACH~~ ~~18" x 42" -~~ ~~MATERIAL, ETC. SAME AS SIGNS 'D' ABOVE~~		
F	3	100 SERIES TURN LEFT (2) EACH; Keep Right (1) EACH 18" x 42" - MATERIAL, ETC. SAME AS SIGNS 'D' ABOVE	SUSPENDED TYPE 'A'	SEE SYMBOL TYPES SCHEDULE - THIS SHT.
G	2	100 SERIES Keep Right (1) EACH; Keep Right (1) EACH 18" x 42" - SOLID ACRYLIC PLASTIC PLAQUES W/STAMPED ON LETTERS (3"-WHITE) PLAQUE COLOR #10 (VOMAC)	LIQUID ADHESIVE ON CONC. BEAM	SEE SYMBOL TYPES SCHEDULE - THIS SHT.
H	2	STANDARD ALUMINUM YIELD SIGN		
J	2	100 SERIES No Thru Traffic (1) EACH; No Thru Traffic (1) EACH 18" x 42" MATERIAL, ETC. SAME AS SIGNS 'G' ABOVE	SUSPENDED TYPE 'A'	SEE SYMBOL TYPES SCHEDULE - THIS SHT.
K	~~2~~	~~100 SERIES Pedestrian Exit ( ) EACH; Pedestrian Exit (1) EACH 18" x 42" MATERIAL, ETC. SAME AS SIGNS 'G' ABOVE~~	~~LIQUID ADHESIVE ON CONC. BEAM~~	
L	3	100 SERIES Parking Level (3) (1) EACH Parking Level (2) (1) EACH Parking Level (1) (1) EACH 18" x 42" EACH - MATERIAL, ETC. SAME AS SIGNS 'G' ABOVE	LIQUID ADHESIVE ON CONC BEAM	

SIGN MARK	QTY.	DESCRIPTION	MOUNTING	REMARKS
M	1	100 SERIES ENTER 7'-4" CLEARANCE 18" x 48" - SOLID ACRYLIC (TRANSLUCENT) PLAST. PLAQUE W/STAMPED ON LETTERS (3"-BLACK ALL CAPS) PLAQUE COLOR - WHITE	ANCHOR BOLT-SURFACE SLEEVE MOUNT TO CONC.	SELF-ILLUMINATED INCANDESCENT EGRESS ALUM. FLAME FINISH-BLACK DURANODIC • EXTELITE •
N	1	100 SERIES HO LIVERY & RATES SIGN * 18" x 18" - SOLID ACRYLIC PLAS. BRACKETED PLAQUE - BRACKET & FLAME FINISH (DURANODIC BLACK) - PLAQUE COLOR (WHITE)	SURFACE MOUNT RETAINER CHANNEL TO TOP OF TIME PUNCH DEVICE	* VINYL DIE CUT LETTERS (BLACK) TO BE APPLIED BY OWNER @ LATER DATE
O	12	100 SERIES elevator at level 2 (1) 12" x 12" - SOLID ACRYLIC PLAS. PLAQUE W/STAMPED ON LETTERS (1" WHITE) PLAQUE COLOR #10 (VOMAC)	FOAM MOUNTING TAPE ON PLASTER	
P	1	100 SERIES 7'-4" CLEARANCE WHITE RED 10" x 48" ALUM. FREE SWINGING SIGN PAINTED AS NOTED (3" BLACK LETTERS (VINYL DIE CUT)	SECURE HANGAR TO MET. FIXTURE CHANNEL IN SOFFIT - SIGN TO BE FREE SWINGING	
Q	4	* 36" x 48" SOLID ACRYLIC PLAS. PLAQUE W/STAMPED CH LETTERS - (WHITE) PLAQUE COLOR #10	LIQUID ADHESIVE TO CONC. COLUMNS	* SEE SYMBOL TYPES THIS SHT. FOR WORDING & LETTER SIZES

GENERAL NOTES:

1. ALL ORDER NUMBERS BY VOMAR INDUSTRIES
2. ALL TYPE STYLE TO BE HELVETICA MEDIUM W/ "TIGHT" SPACING - CAPS & LOWER CASE AS INDICATED ON SCHEDULE
3. ALL PLAQUES 100 SERIES (UNFRAMED) UNLESS OTHERWISE NOTED - CORNERS TO BE SQUARE
4. BOTTOM EDGE OF SIGNS AT SOFFIT EDGE OF BEAM TYP. (APPLIES @ SUSP. MOUNT'G)
5. SUBMIT SHOP DRAWINGS OF ALL SIGNS TO ARCHITECT FOR REVIEW

COLOR SCHEDULE

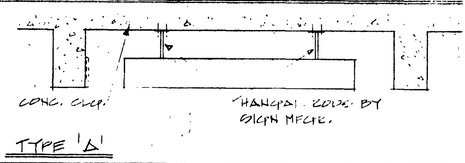
LEVEL	COLOR #	HUE
L (LOWER)	18	TO BE SUBMITTED BY ARCHITECT
1	1	
2	2	
R (ROOF)	3	

1. COLOR #'S REFER TO WALL GRAPHICS & PAINT ARROWS (SEE ELEV'S & FLR. PLANS FOR LAYOUT)
2. PAINT ALL PARKING STRIPES WHITE - SEE NOTE #2 SHT. A-2

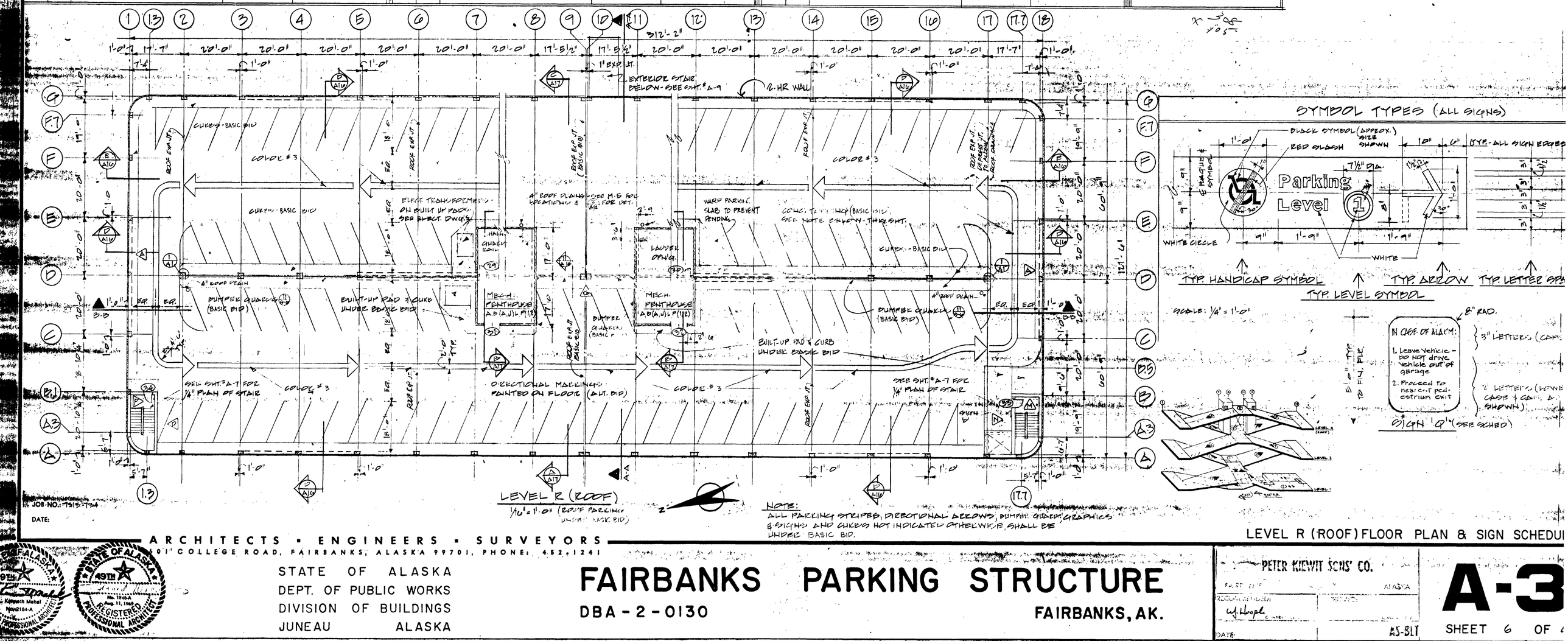
GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

SIGN MOUNTING TYPES



TYPE 'A'



SYMBOL TYPES (ALL SIGNS)

SCALE: ¼" = 1'-0"

LEVEL R (ROOF) FLOOR PLAN & SIGN SCHEDU

JOB NO.: 7515-734

DATE:

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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.

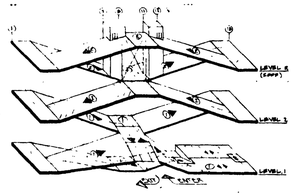
ALASKA

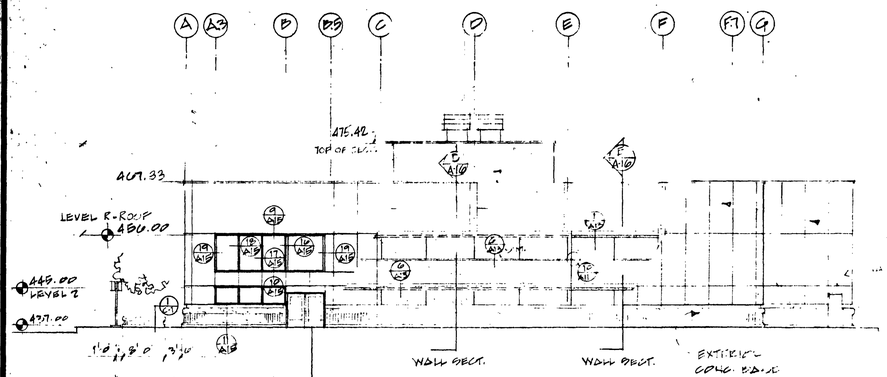
AS-BLT

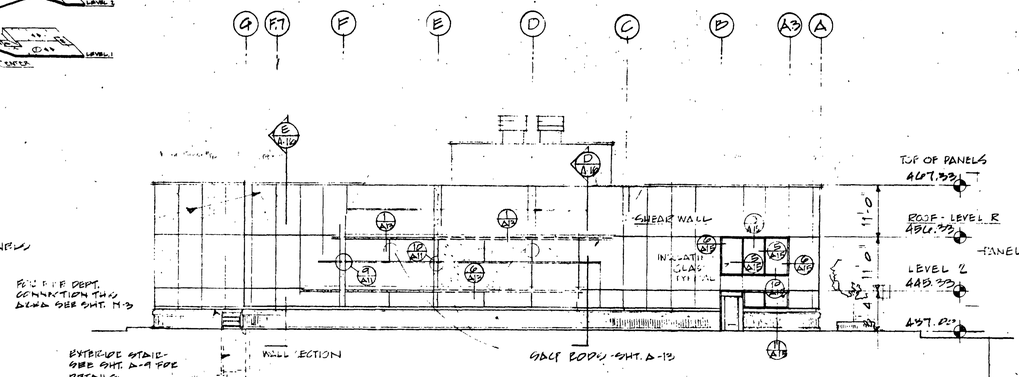
A-3

SHEET 6 OF

SEE 1/8" SCALE ELEVATIONS OF MECH. PENTHOUSE - THIS SHEET.







SOUTH ELEVATION

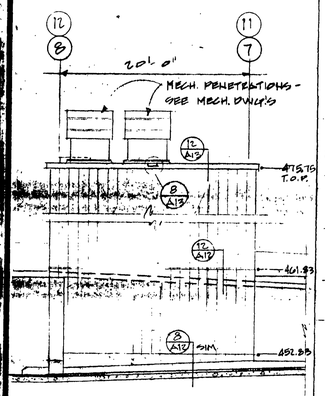
1/16" = 1'-0"

NORTH ELEVATION

1/16" = 1'-0"

- LIGHTS - "HABITAT" UNI-CLUSTER SERIES 7130D (QUAD) SEE SITE PLAN FOR LOCATIONS

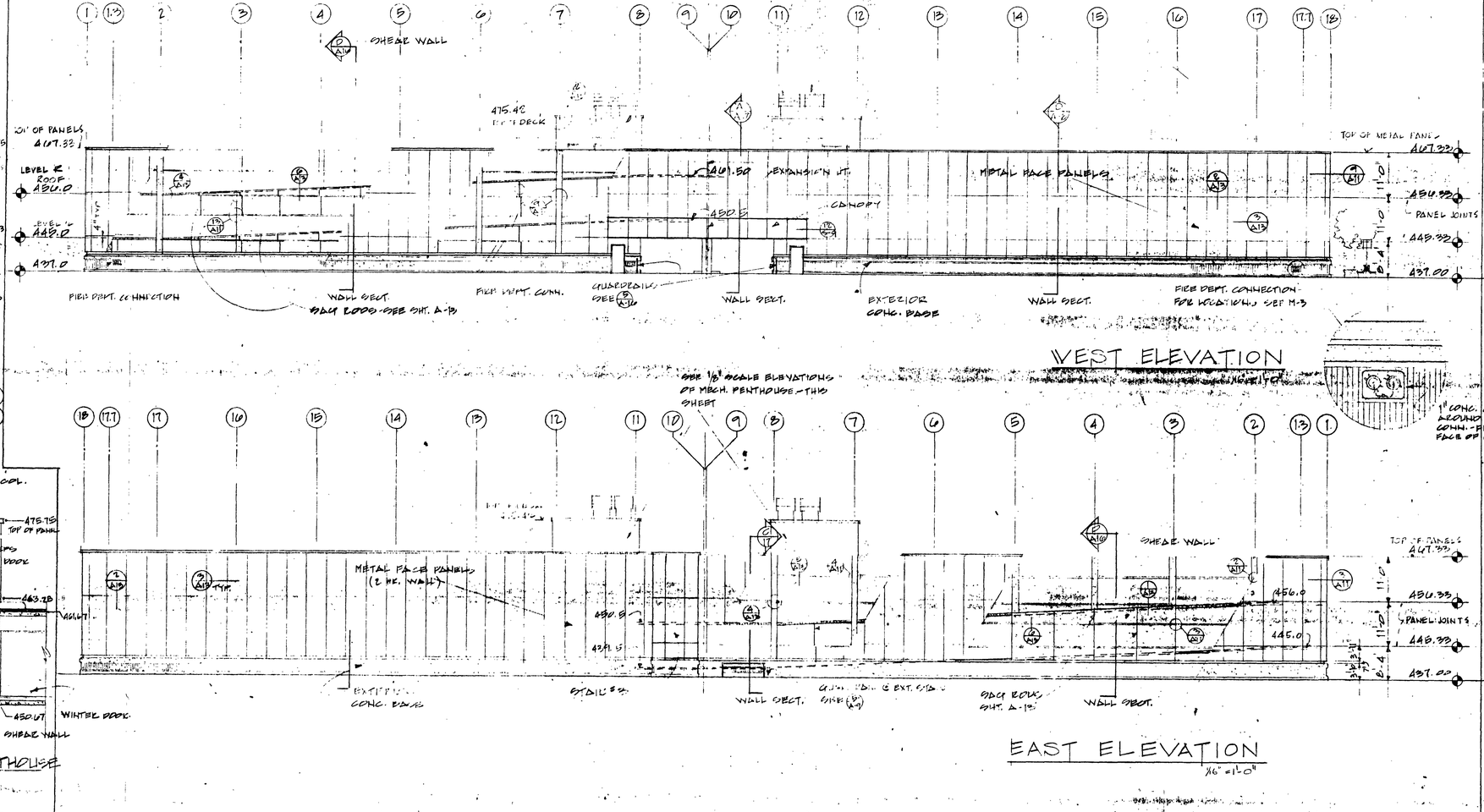
NOTE:
MECH. PENTHOUSE BETWEEN LINES (11) & (12) EXACT REVERSE OF ELEVATIONS SHOWN.



EAST ELEV. - MECH. PENTHOUSE

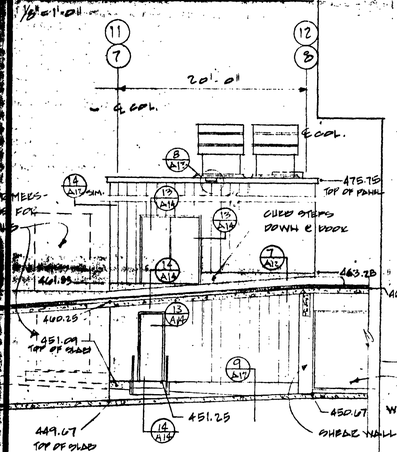
1/8" = 1'-0"

SEE 1/8" SCALE ELEVATIONS OF MECH. PENTHOUSE - THIS SHEET



WEST ELEVATION

1/16" = 1'-0"

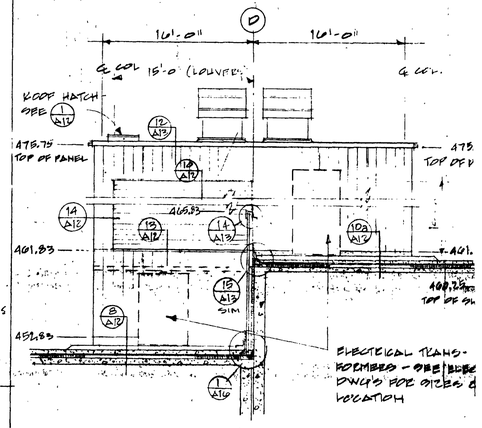


WEST ELEV. - MECH. PENTHOUSE

1/8" = 1'-0"

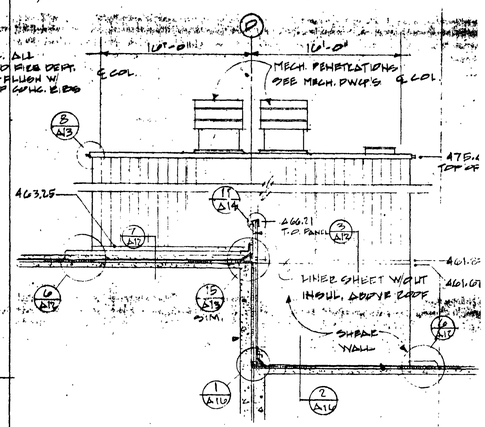
EAST ELEVATION

1/16" = 1'-0"



SOUTH ELEVATION - MECH. PENTHOUSE

1/8" = 1'-0"



NORTH ELEVATION - MECH. PENTHOUSE

1/8" = 1'-0"

JOB NO.: 7815-72A
DATE: 1/8" = 1'-0"

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

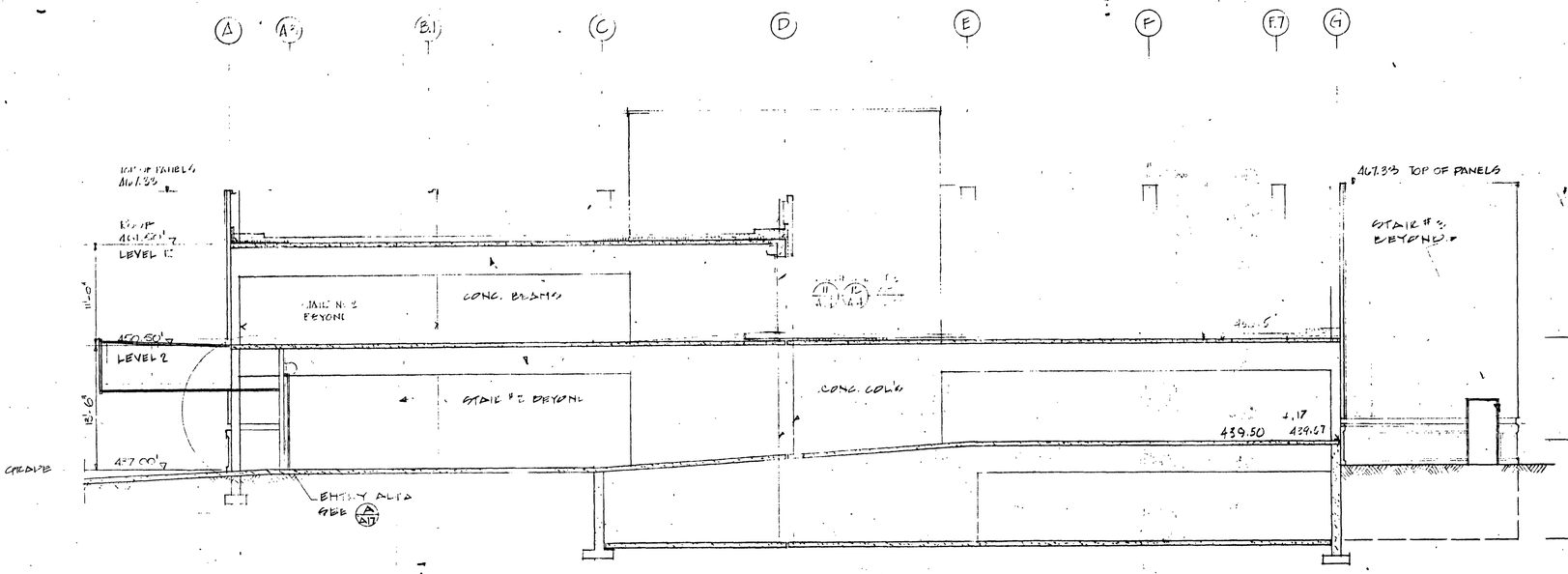
GRAY ROGERS MYERS & MORGAN
A DIVISION OF ELLERBE

EXTERIOR ELEVATIONS

PETER WRIGHT SONS CO.	
FAIRBANKS ALASKA	
RECOMMENDED:	APPROVED:
DATE:	OWNER: BP

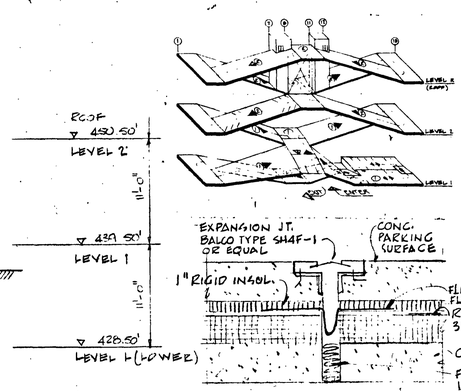
A-4

AS-BLT SHEET 7 OF 49



BUILDING SECTION A-A

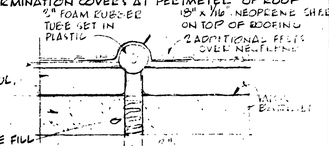
1/8" = 1'-0"



1 / A-5 ROOF EXP. JT. - BASIC BID

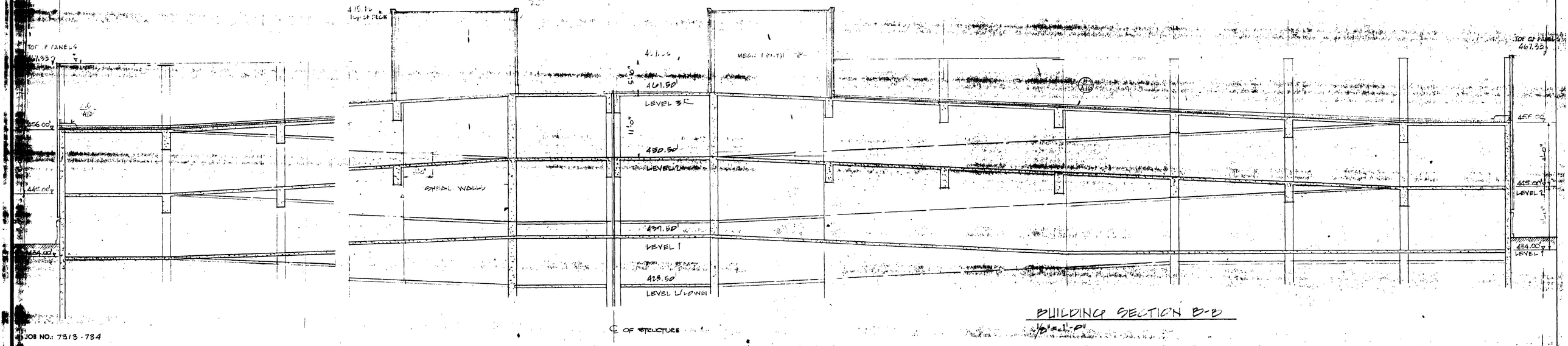
1½" = 1'

WHERE TEES ARE REQUIRED IN THE EXPANSION JT. SYSTEM, THE EXP. JT. MUST CONFORM TO THE DESIGN AND DIMENSIONS SHOWN BELOW. PROVIDE STANDARD END TERMINATION COVERS AT PERIMETER OF ROOF



2 / A-5 ROOF EXP. JT.- BASIC BID

1½" = 1'-0"



BUILDING SECTION B-B

1/8" = 1'-0"

MECH. PENTHOUSE

SEE SHEET S-9 FOR FRAMING PLAN & ELEVATION

1 2 3 7 9 10 9 13 13 14 15 16 17 18

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DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.

OWNER

AS-BLT

BUILDING SECTIONS

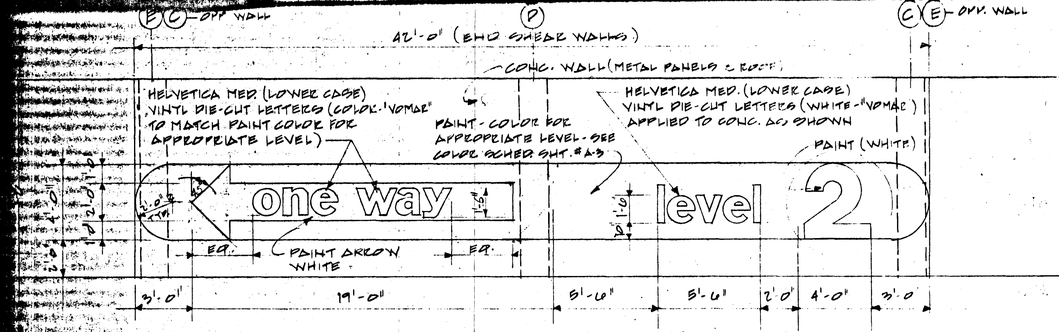
A-5

SHEET 8 OF 49

JOB NO.: 7313-734

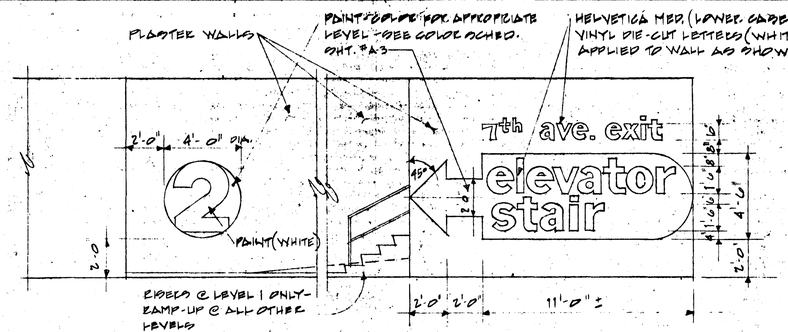
DATE: 6-27-74

R-3916

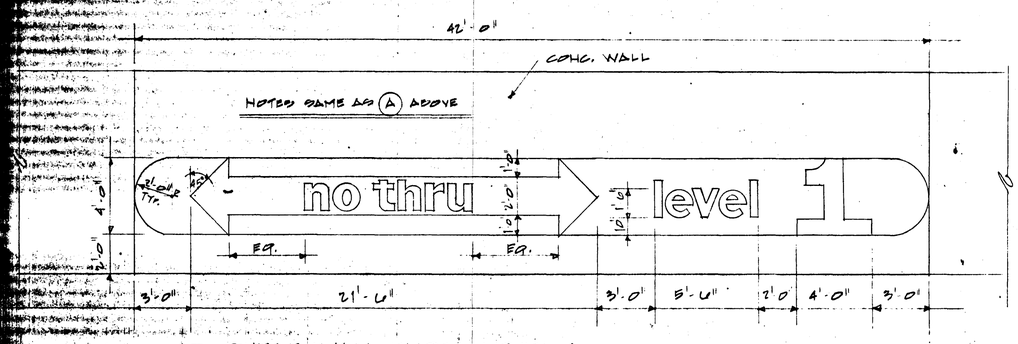


A SHEAR WALL ENDS - LEVELS 2 & R
1/4" = 1'-0"

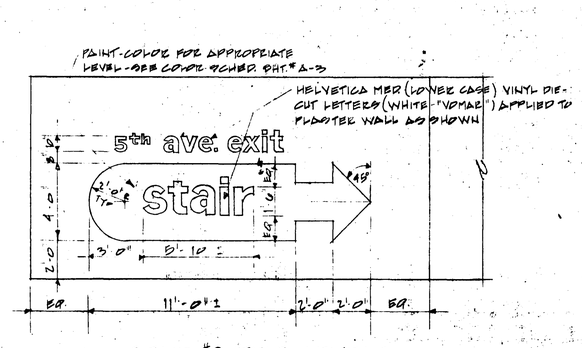
NOTE:
@ LEVEL R (ROOF) PAINT GRAPHICS ON METAL PANELS & COLUMNS (SHOWN DOTTED) - ADJUST "ONE-WAY" ARROW TO FIT BETWEEN COL'S



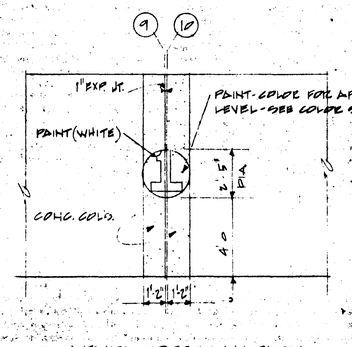
B STAIR #1 / ELEVATOR EXITS - LEVELS 1 & 2
1/4" = 1'-0"



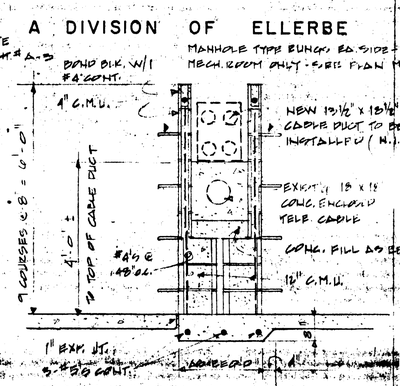
C SHEAR WALL ENDS - LEVEL 1
1/4" = 1'-0"



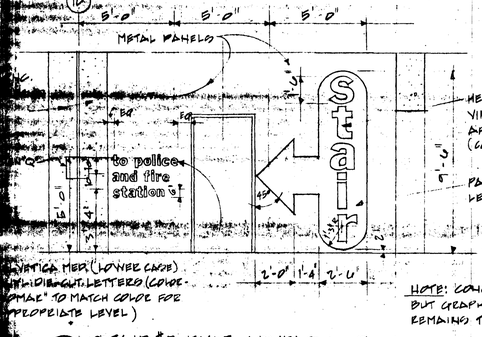
D STAIR #2 EXIT - LEVELS 1 - R
1/4" = 1'-0"



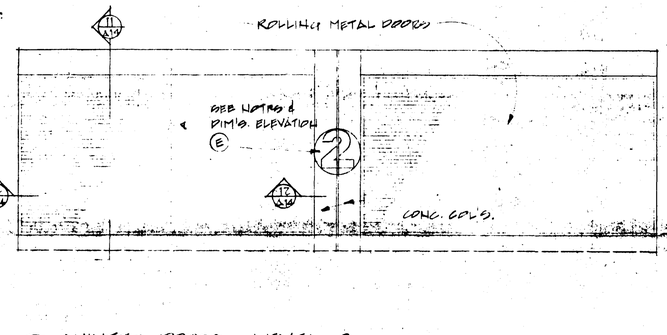
E LEVEL DESIGNATION
1/4" = 1'-0"



1 SECTION - C.M.U. (UTILIDOR) WALL
1/2" = 1'-0"

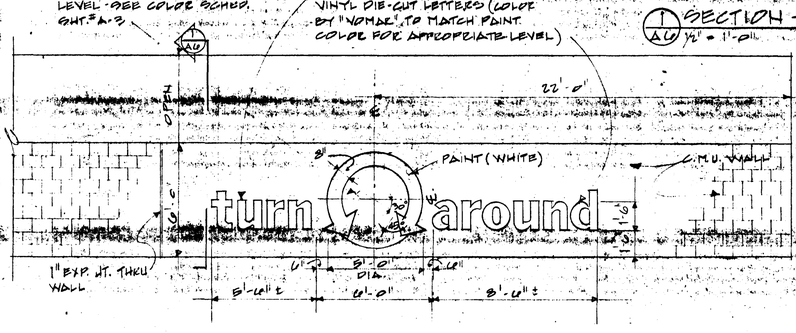


F STAIR #3 EXIT - LEVELS L - R
1/4" = 1'-0"

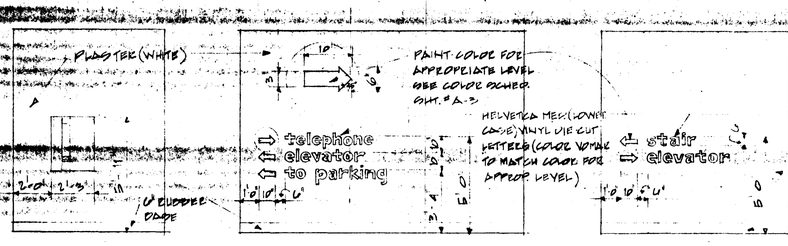


NOTE: CONC. WALLS @ LOWER LEVEL (L) BUT GRAPHICS RELATIONSHIP TO DOOR REMAINS THE SAME

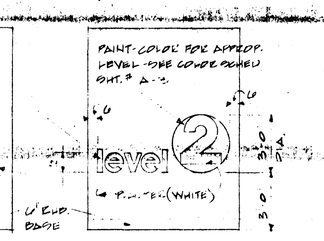
G WINTER DOORS - LEVEL 2
1/4" = 1'-0"



H UTILIDOR WALL - LEVEL L
1/4" = 1'-0"

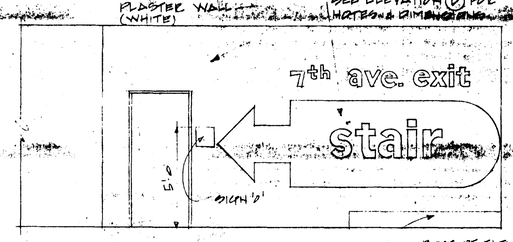


J TELEPHONE
1/4" = 1'-0"



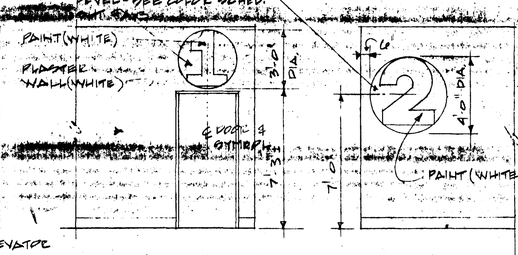
K NORTH - STAIR #1
1/4" = 1'-0"

L SOUTH - STAIR #1
1/4" = 1'-0"



M EAST - STAIR #3
1/4" = 1'-0"

N STAIR #1 EXIT - LEVEL R
1/4" = 1'-0"



O SYMBOL OVER DR. - (STAIR #1)
1/4" = 1'-0"

P SOUTH - STAIR #2
1/4" = 1'-0"

INTERIOR ELEVATIONS

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DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

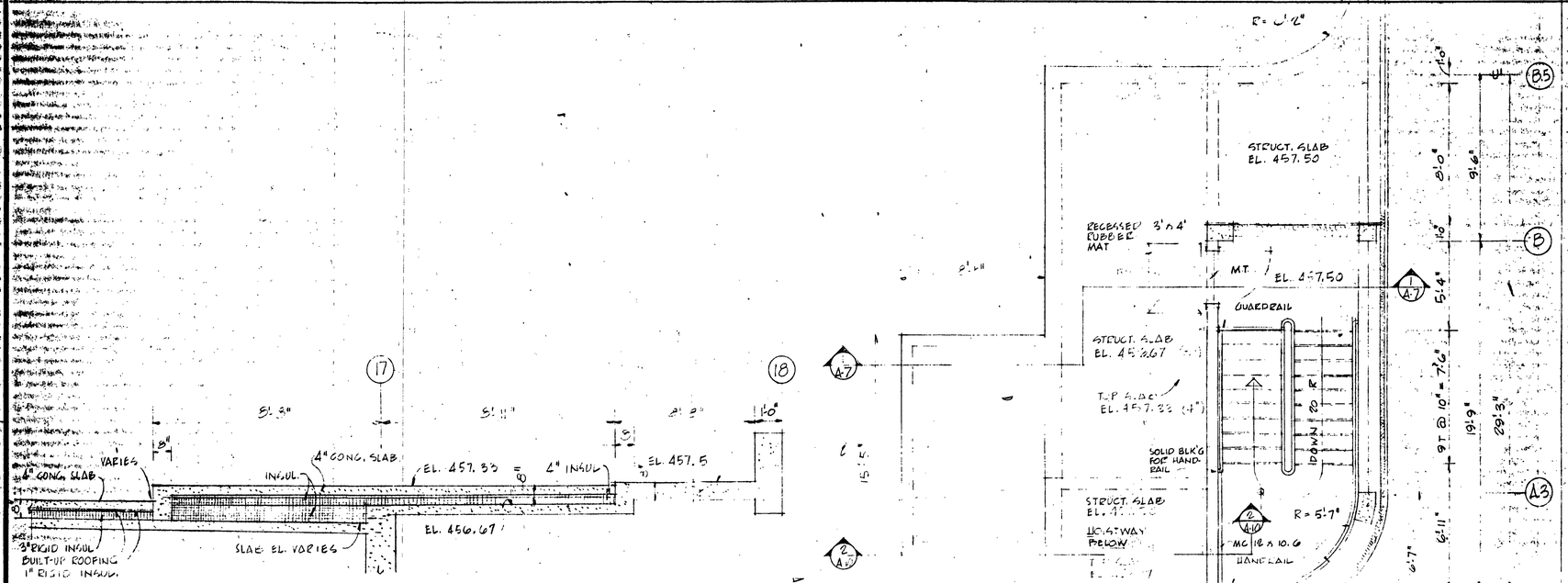
PETER KIEWIT SONS' CO.
ALASKA
OWNER'S REP.

AS-BLT

A-6

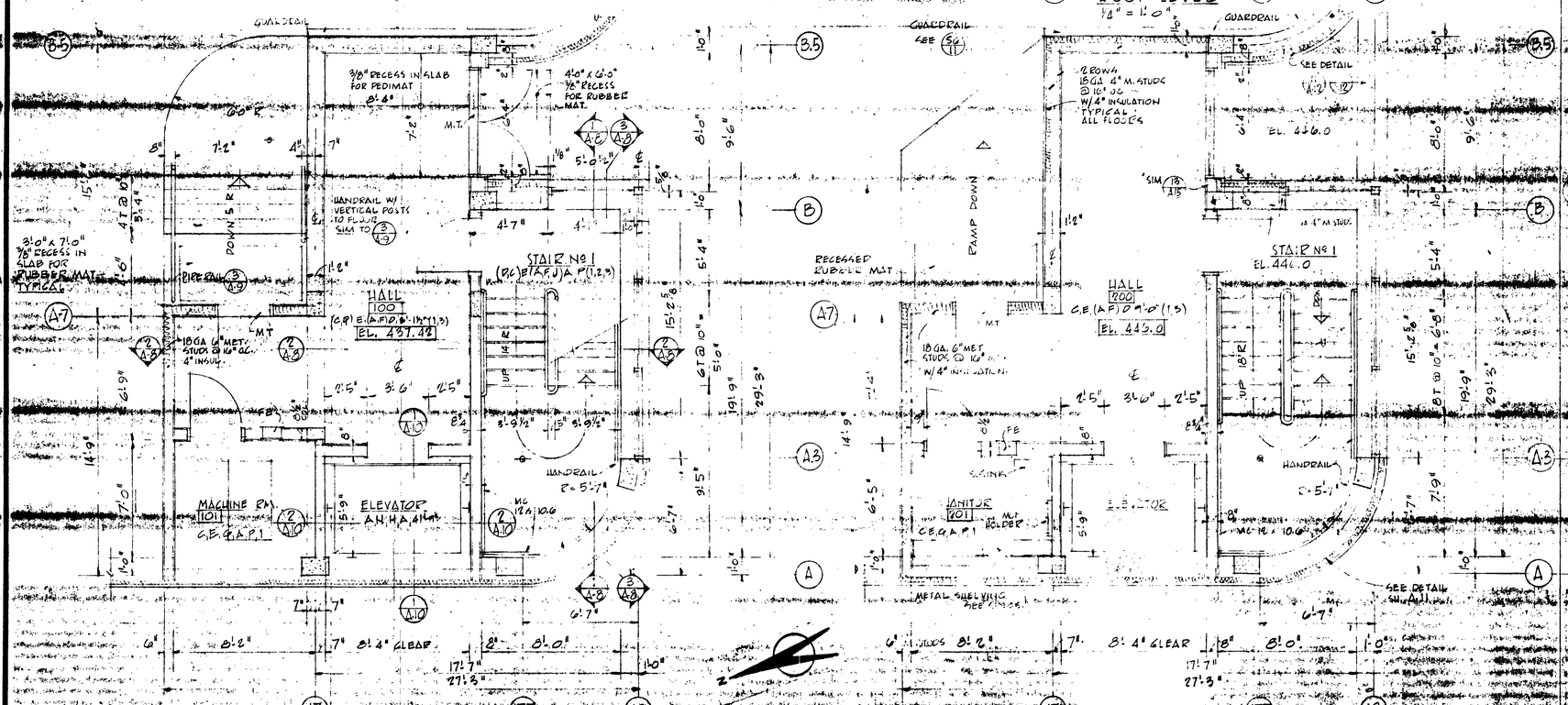
SHEET 9 OF 49

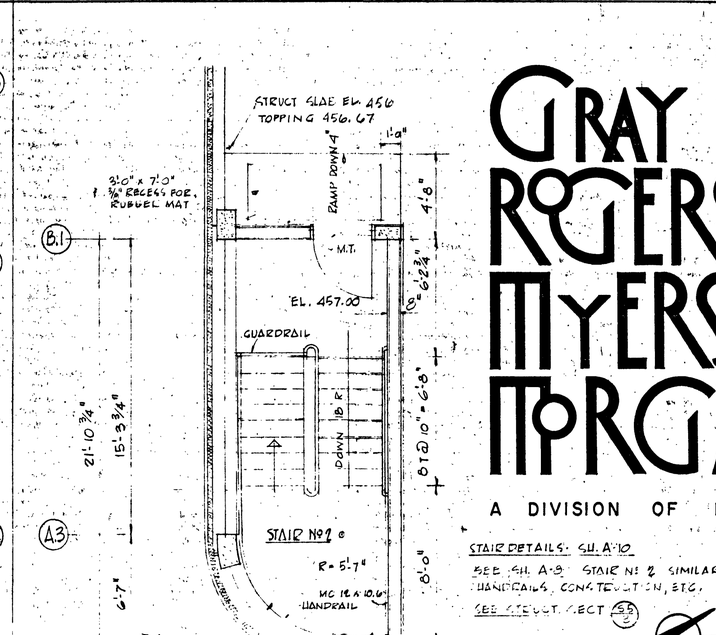
R-3946



1 / A7 SECTION - ROOF LEVEL SEE PLAN
SHOWING CONST FOR FUTURE WALL
3/8" = 1'-0"

ROOF LEVEL
1/4" = 1'-0"





STAIR No 2

LEVEL TWO
1/4" = 1'-0"

STAIR DETAILS: SH. A-10
SEE SH. A-9 STAIR No 2 SIMILAR
HANDRAILS, CONSTRUCTION, ETC.
SEE STRUCT. SECT 5/S2

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

STATE OF ALASKA 49TH — Kenneth Mahl No. 2184-A — REGISTERED PROFESSIONAL ARCHITECT

STATE OF ALASKA 49TH — No. 1148 — REGISTERED PROFESSIONAL ARCHITECT

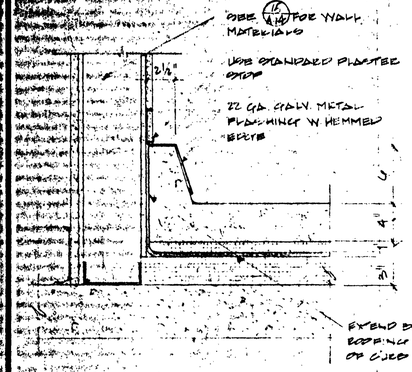
PETER KIEWIT SONS' CO.
ANCHORAGE ALASKA
RECEIVED DATE
W. Hough CONTRACTOR'S
OWNER'S REP.
DATE
AS-BLT

A-7

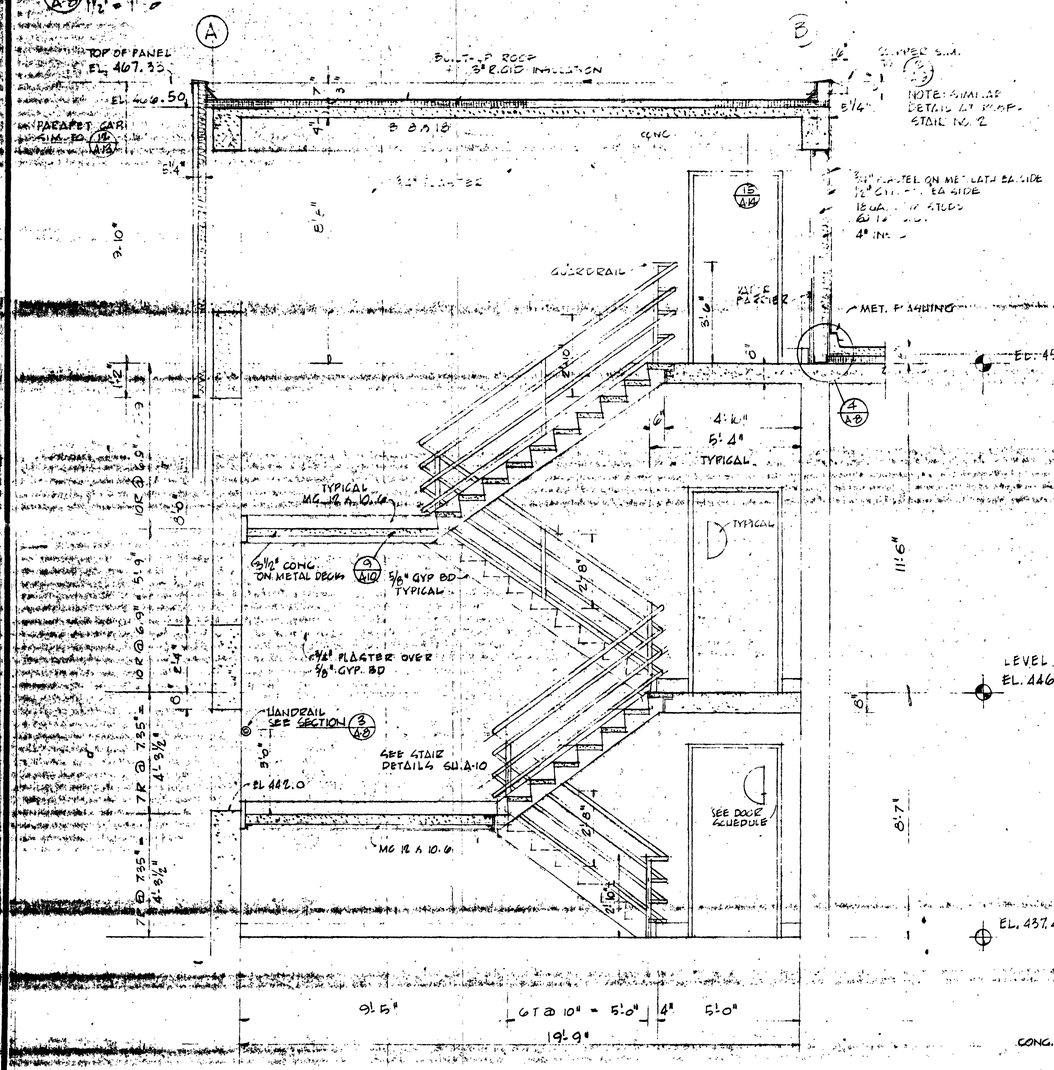
SHEET 10 OF

STAIRS No. 1 &

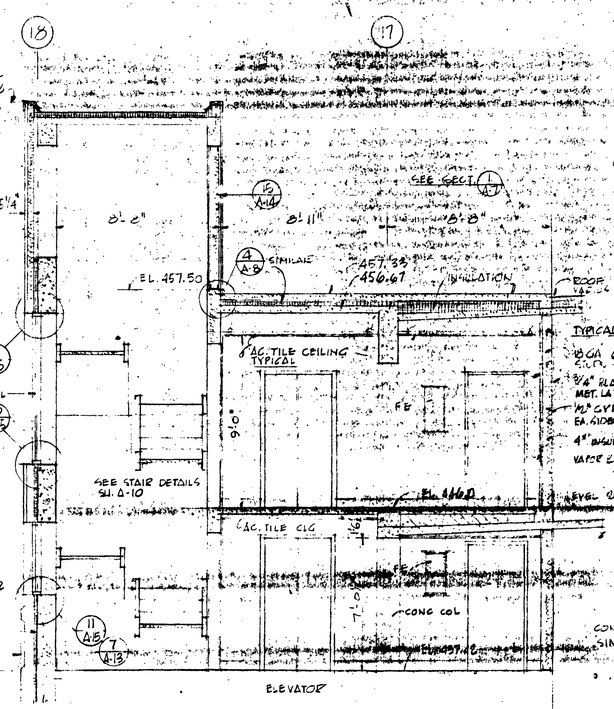
JOB NO.: 7813-734
DATE: 7-74



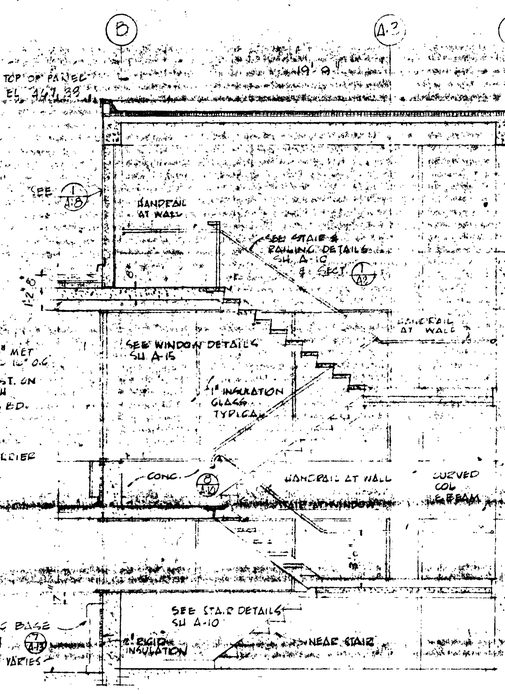
4/A-8 ROOF FLASHING @ PLASTER WALL
1½" = 1'-0"



1/A-8 SECTION - STAIR Nº 1
⅜" = 1'-0"
SEE SHEET Nº A7 FOR FLOOR PLANS



2/A-8 SECTION STAIR Nº 1
¼" = 1'-0"



3/A-8 SECTION - STAIR Nº 1
¼" = 1'-0"

JOB NO.: 7313-734
DATE:

SECTIONS, STAIR No.

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DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

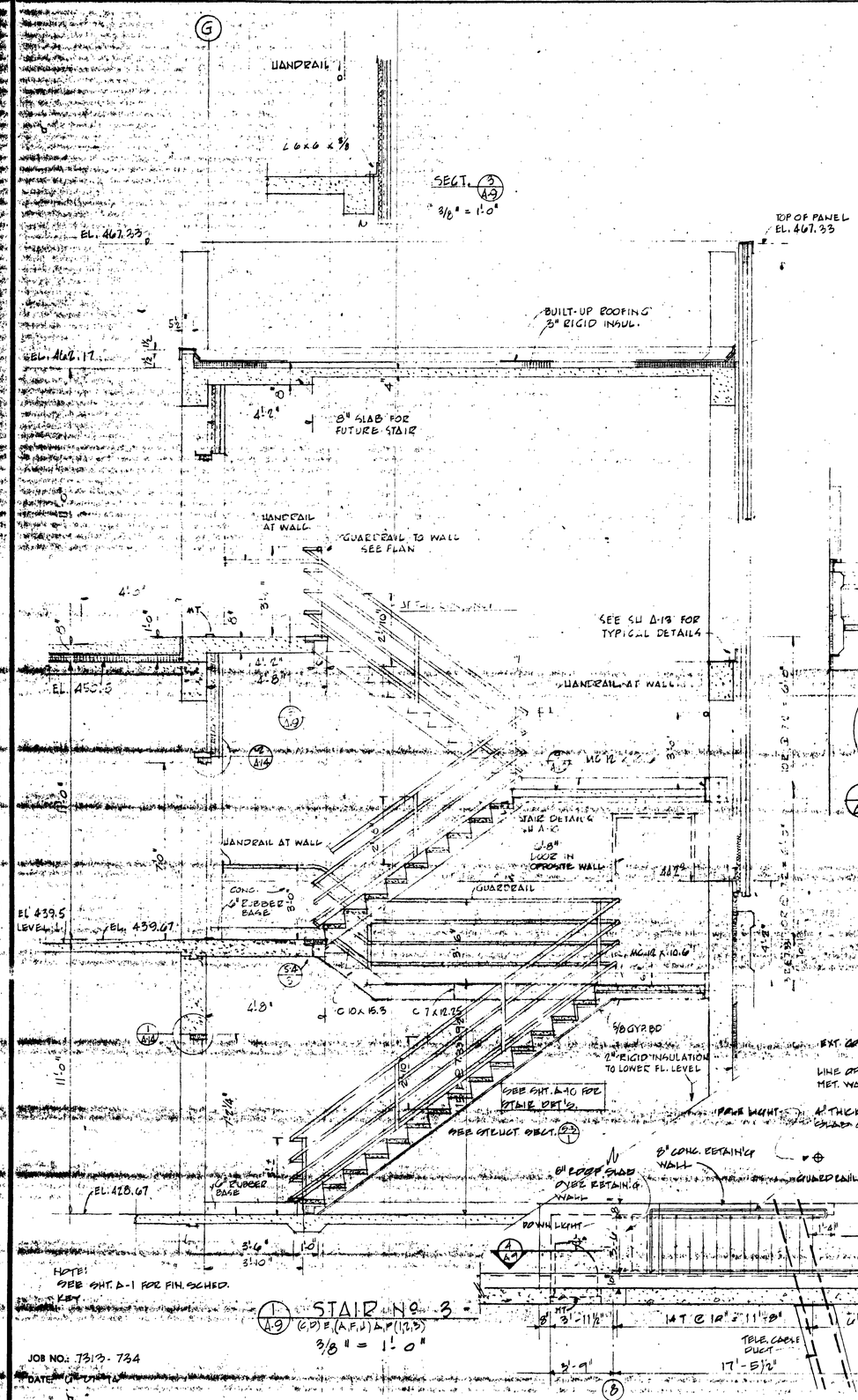
PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
SCOWARD TYPE:
CONTRACTOR'S REP. OWNER'S REP.
DATE: AS-BLT

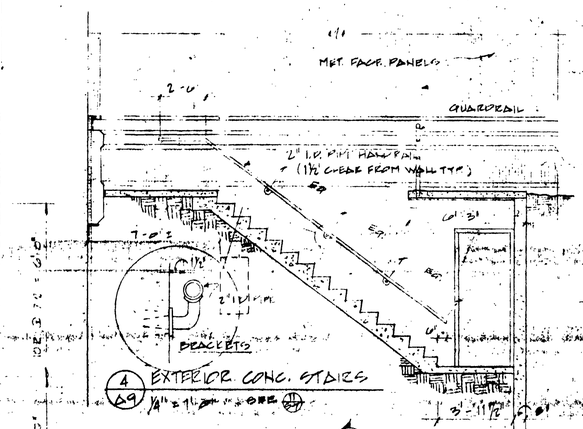
A-8

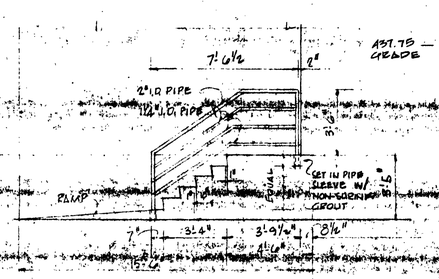
SHEET 11 OF

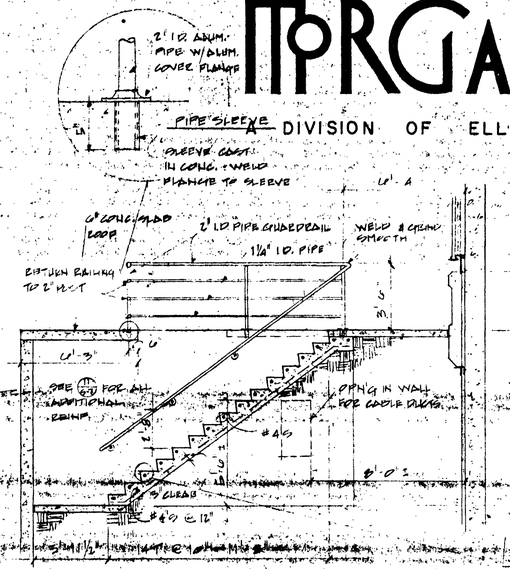
GRAY ROGERS MYERS & MORGAN

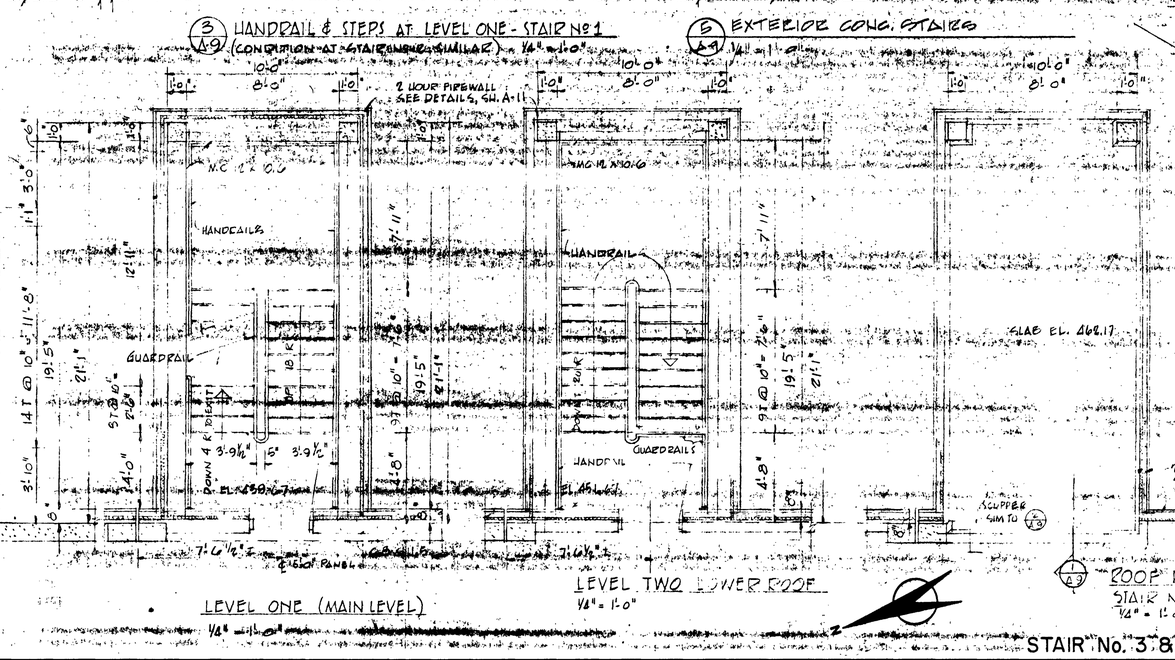
A DIVISION OF ELLERBE











STAIR No. 3 & DET

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DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO. — ALASKA

CONTRACTOR

APPROVED:

CONTRACTOR'S REP.

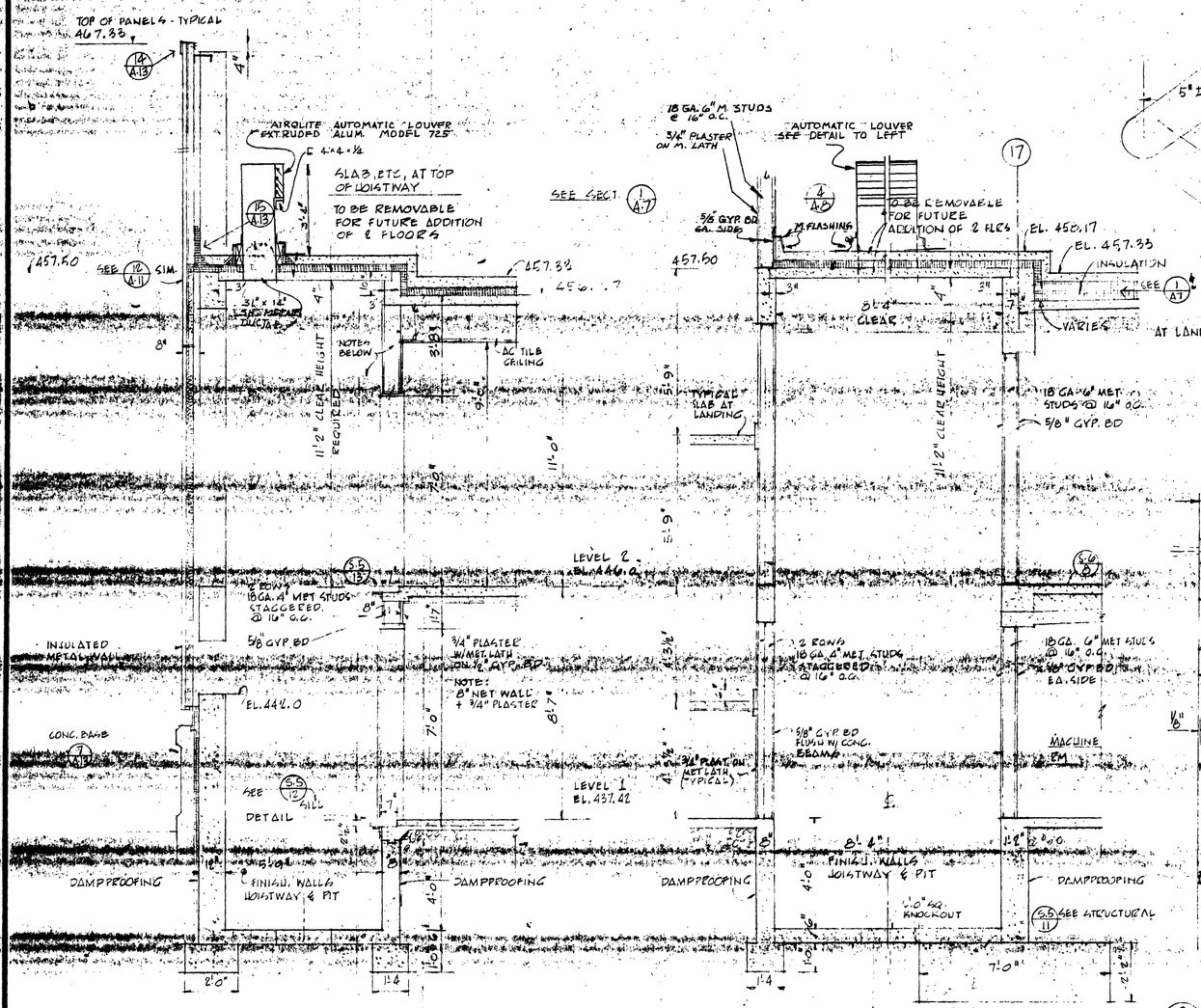
OWNER'S REP.

DATE:

AS-BLT

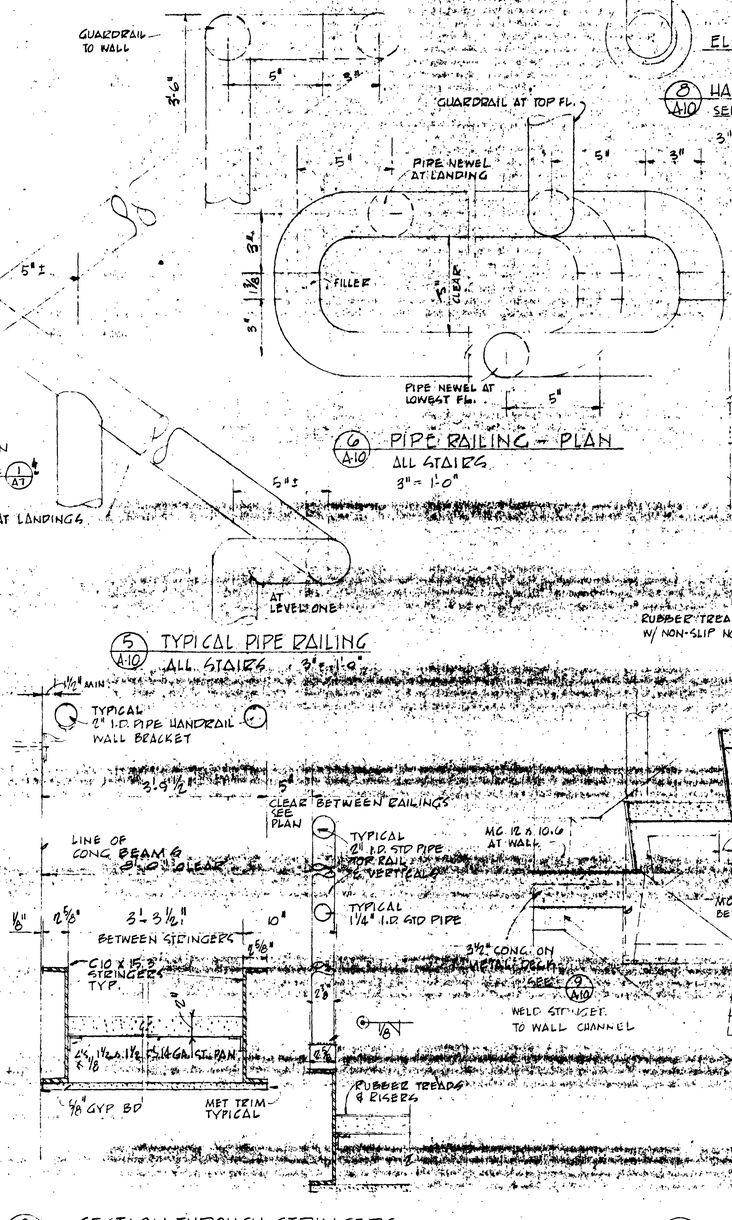
A-9

SHEET 12 OF



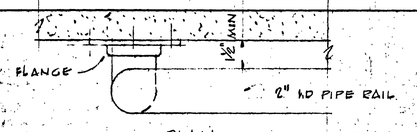
1 A-10 SECTION THROUGH HOISTWAY
3/8" = 1'-0"

2 A-10

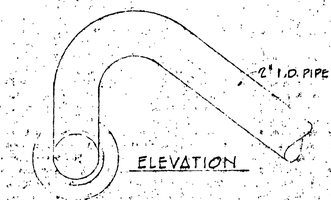


3 A-10 SECTION THROUGH STRINGERS
1 1/2" = 1'-0"

4 A-10 SECTION - STAIRS



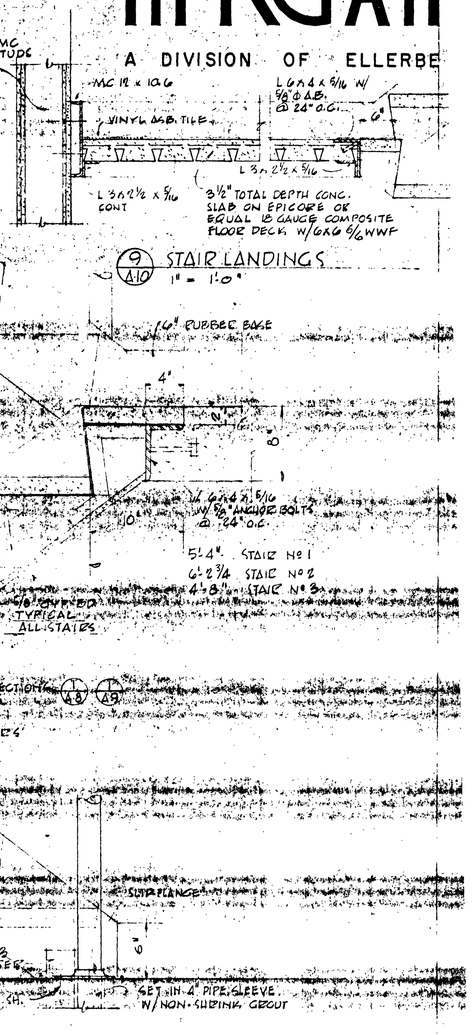
PLAN



ELEVATION

8 A-10 HANDRAIL AT WALL
SEE 3/A-9 SECTION - STAIR No 1
3" = 1'-0"

6 A-10 PIPE RAILING - PLAN
ALL STAIRS
3" = 1'-0"



9 A-10 STAIR LANDINGS
1" = 1'-0"

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A DIVISION OF ELLERBE

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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK

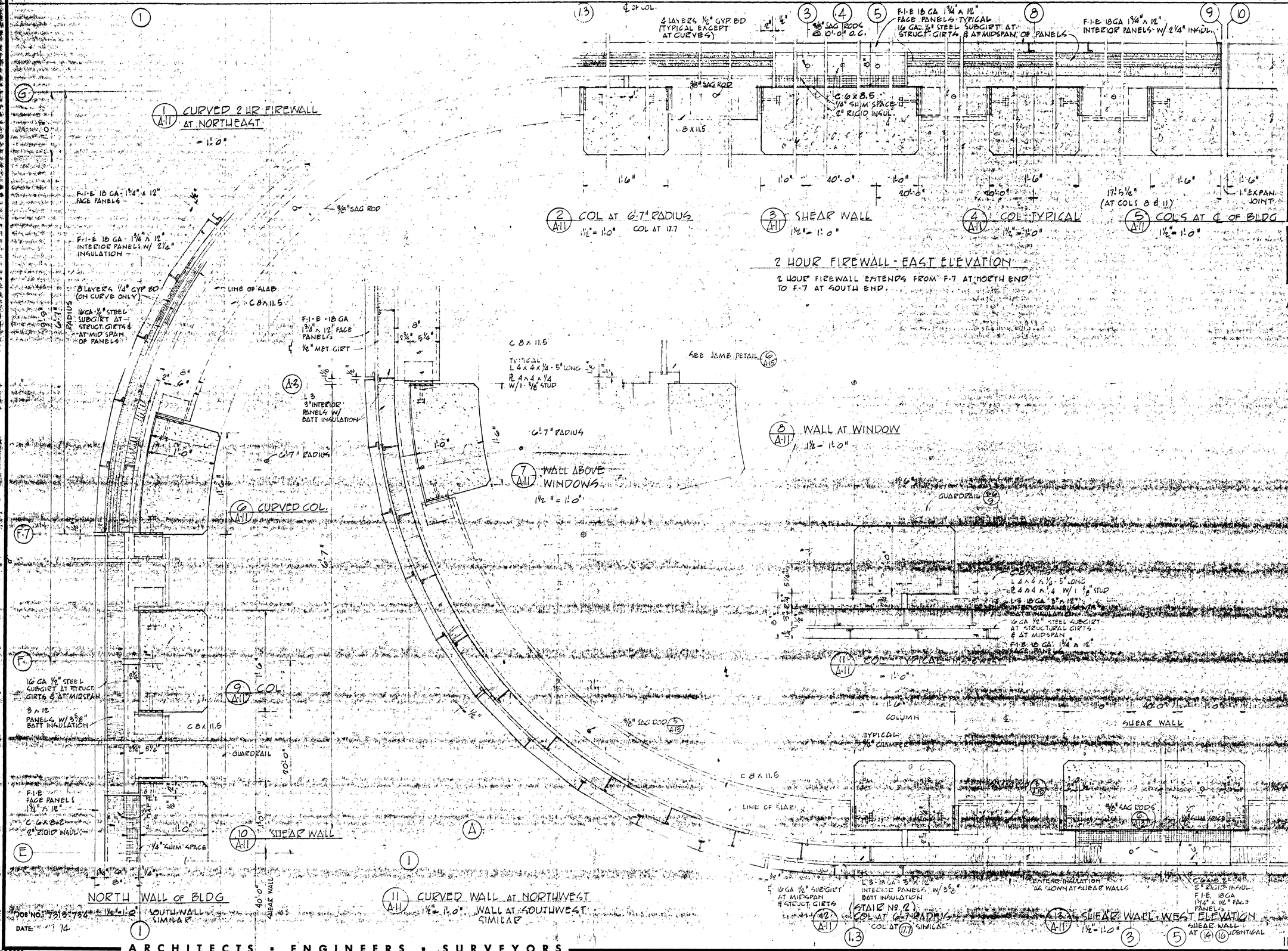
PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
CONTRACTOR
J. Hoople CONTRACTOR'S REP.
PROJECT SUPT. OWNER'S REP.
DATE:

A-10

AS-BLT SHEET 13 OF 44

JOB NO. 7313-734
DATE: 6-27-74

ELEVATOR HOISTWAY SECTIONS
STAIR DETAIL



GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

2 HOUR FIREWALL - EAST ELEVATION

2 HOUR FIREWALL EXTENDS FROM F-7 AT NORTH END TO F-7 AT SOUTH END.

INSULATED METAL WALL DE

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

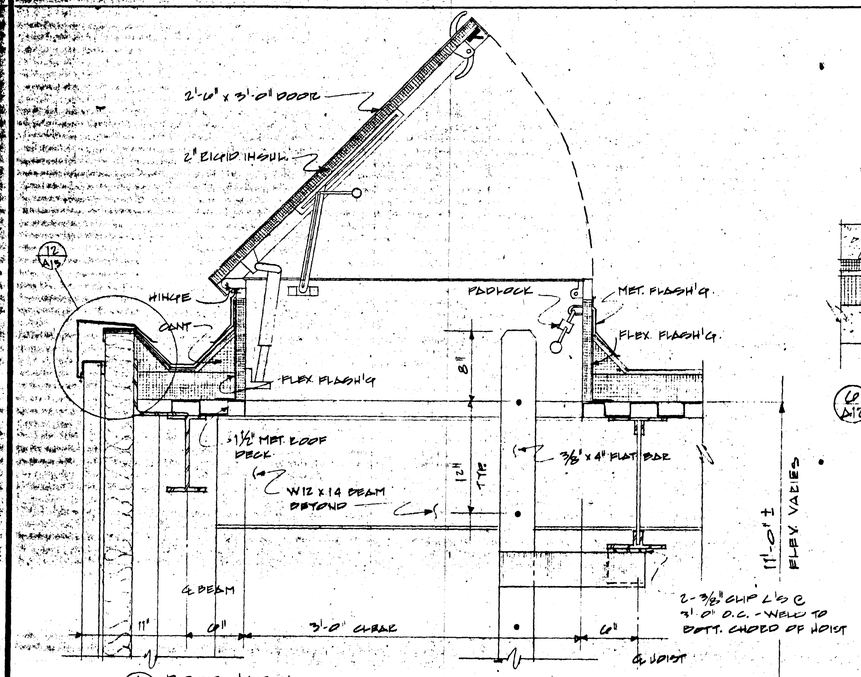
FAIRBANKS, AK.

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
RECOMMENDED
CONTRACTOR'S REP
APPROVED
OWNER'S REP
DATE:

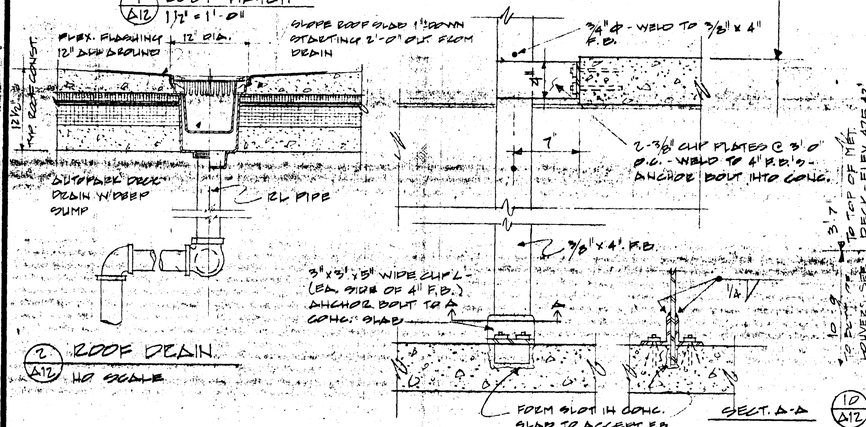
AS-BLT

A-1

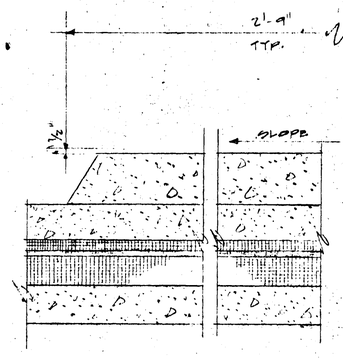
SHEET 14 O



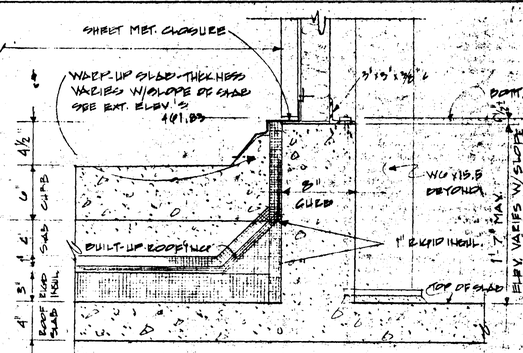
(1) A12 ROOF HATCH
1½" = 1'-0"



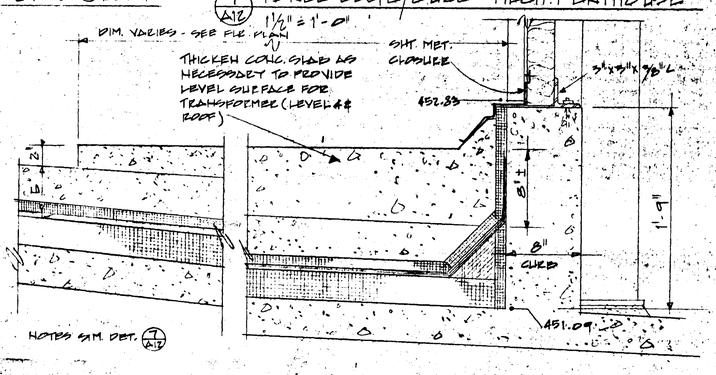
(2) A12 ROOF DRAIN
NO SCALE



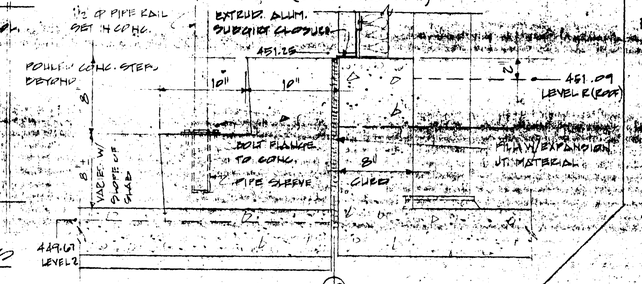
(6) A12 TYP. BUILT-UP CURB @ ROOF
1½" = 1'-0"

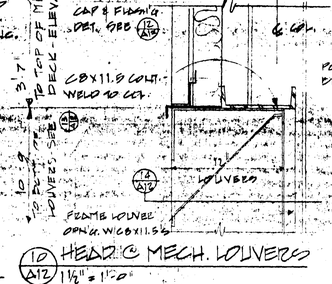


(7) A12 PANEL EDGE/CURB - MECH. PENTHOUSE
1½" = 1'-0"

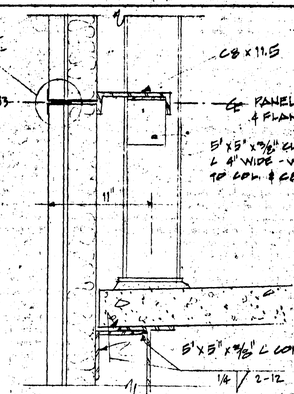


(8) A12 TRANSFORMER SLAB - LEVEL 2
1½" = 1'-0"
(ROOF SLAB SIM.)

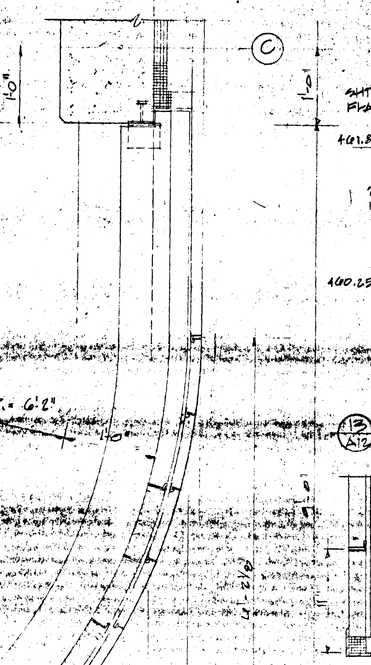


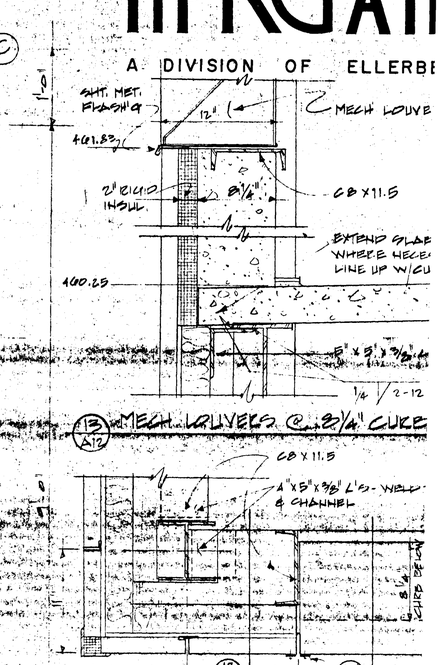


(10) A12 HEAD @ MECH. LOUVERS
1½" = 1'-0"



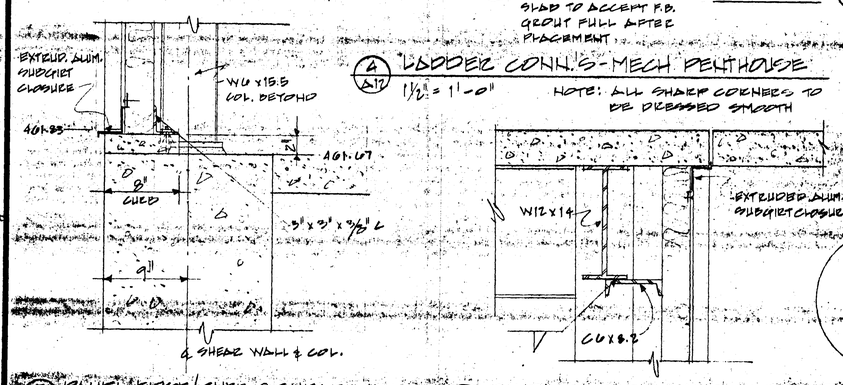
(12) A12 PANEL CONN. - EAST & SOUTH WALL
1½" = 1'-0"





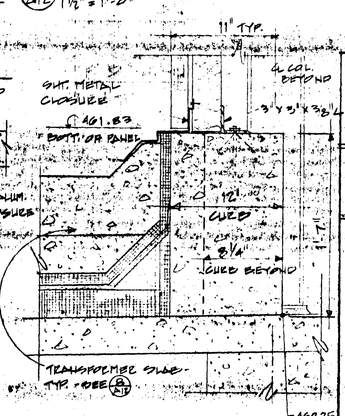
(13) A12 MECH. LOUVERS @ 8'-2¼" CURB

(4) A12 LADDER CONN.'S - MECH PENTHOUSE
1½" = 1'-0"

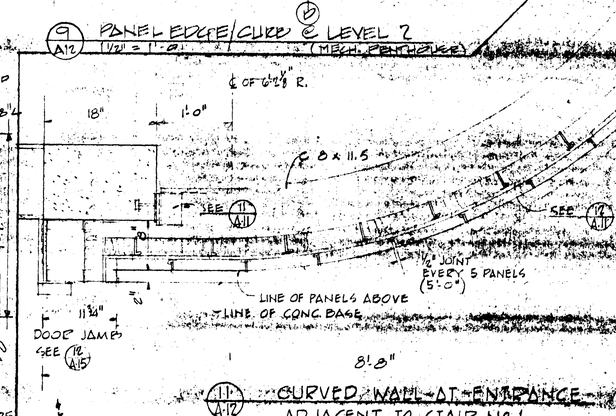


(3) A12 PANEL EDGE/CURB @ SHEAR WALL
1½" = 1'-0" (MECH. PENTHOUSE)

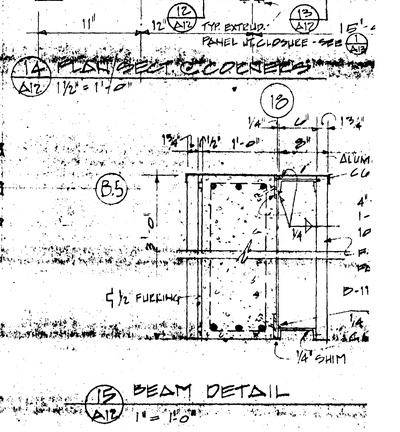
(5) A12 PANEL CLOSURE - WEST WALL
1½" = 1'-0" (MECH. PENTHOUSE)



(10a) A12 MECH. LOUVERS @ TRANSF. PAD
1½" = 1'-0"



(11) A12 CURVED WALL AT ENTRANCE ADJACENT TO STAIR No 1
1" = 1'-0"



(15) A12 BEAM DETAIL
1" = 1'-0"

(14) A12 PLAN DET. @ CORNERS
1½" = 1'-0"

INSULATED METAL WALL D & MISC. DETAILS

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JOB NO.: 7313-734
DATE: 6-27-74

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

STATE OF ALASKA 49TH L. Kenneth Mehal No. 2164-A REGISTERED PROFESSIONAL ARCHITECT

STATE OF ALASKA 49TH No. 1946A Aug. 11, 1969 REGISTERED PROFESSIONAL ARCHITECT

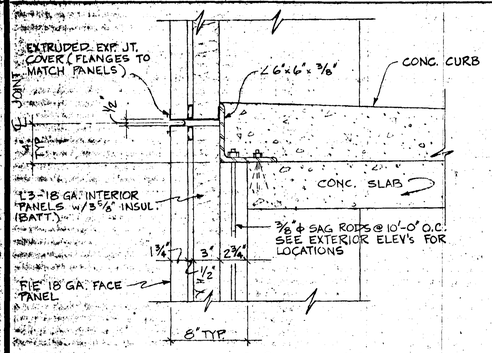
FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

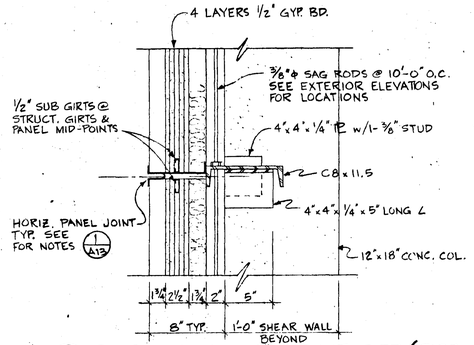
FAIRBANKS, AK.

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
RECOMMENDED:
CONTRACTOR
APPROVED:
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DATE:

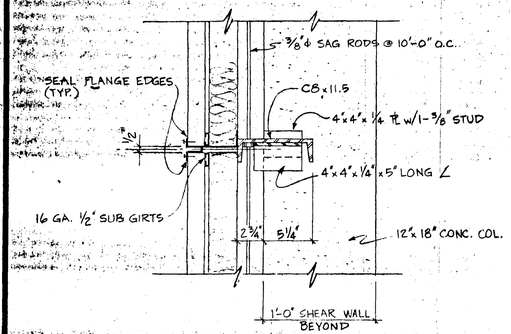
A-12
AS-BLT SHEET 15



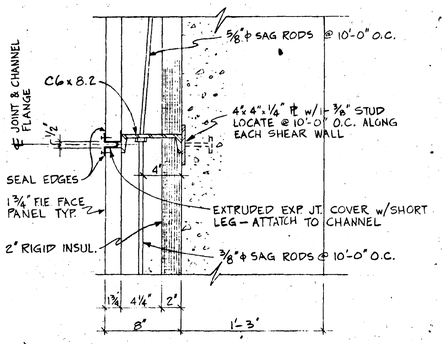
1 A-13 PANEL CONN. @ FLOOR SLAB



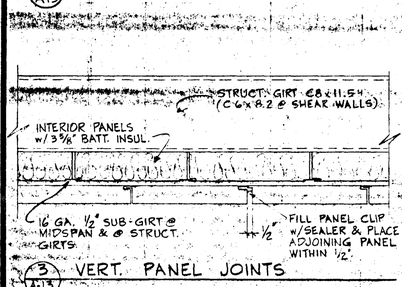
5 A-13 PANEL CONN. @ 8" STRUCT. GIRT (FIRE WALL)



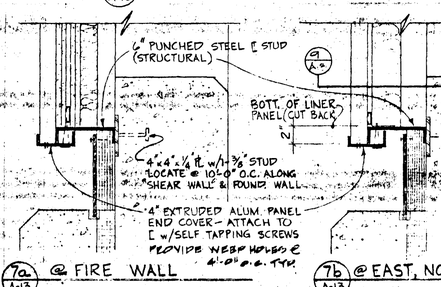
2 A-13 PANEL CONN. @ 8" STRUCT. GIRT (N,S,& W. WALLS)



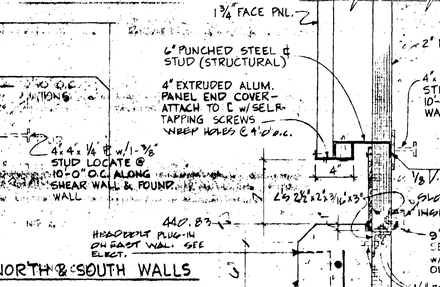
6 A-13 PANEL CONN. @ 6" STRUCT. GIRT (TYP. SHEAR WALL)



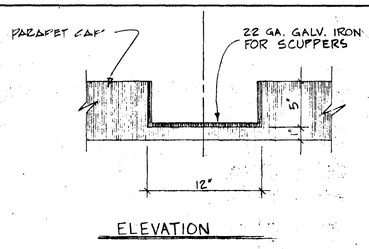
3 A-13 VERT. PANEL JOINTS

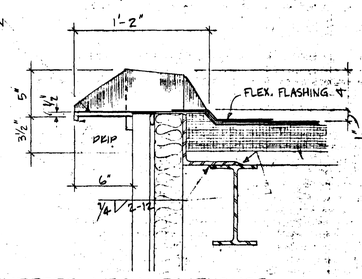


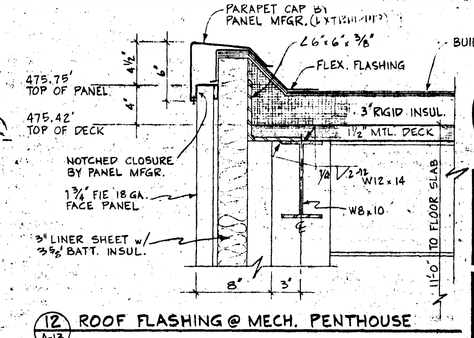
7a A-13 @ FIRE WALL



7b A-13 @ EAST, NORTH & SOUTH WALLS

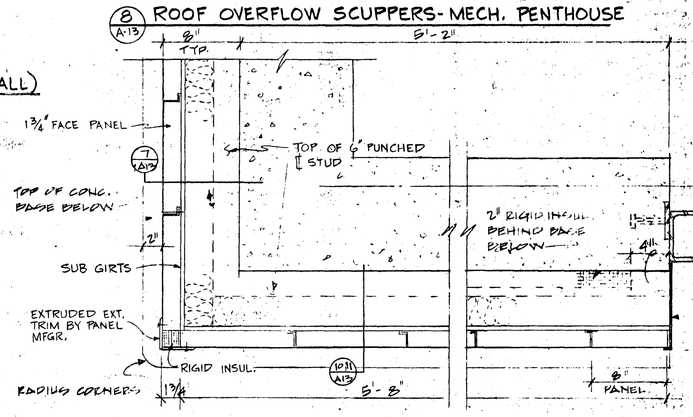




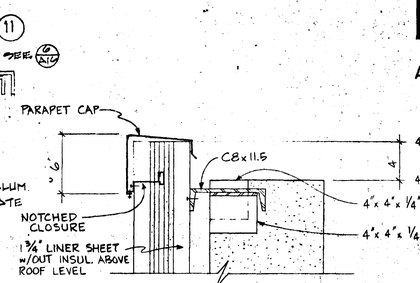


12 A-13 ROOF FLASHING @ MECH. PENTHOUSE

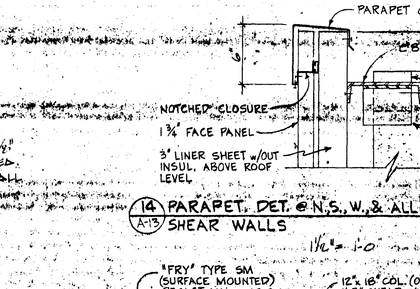
8 A-13 ROOF OVERFLOW SCUPPERS - MECH. PENTHOUSE



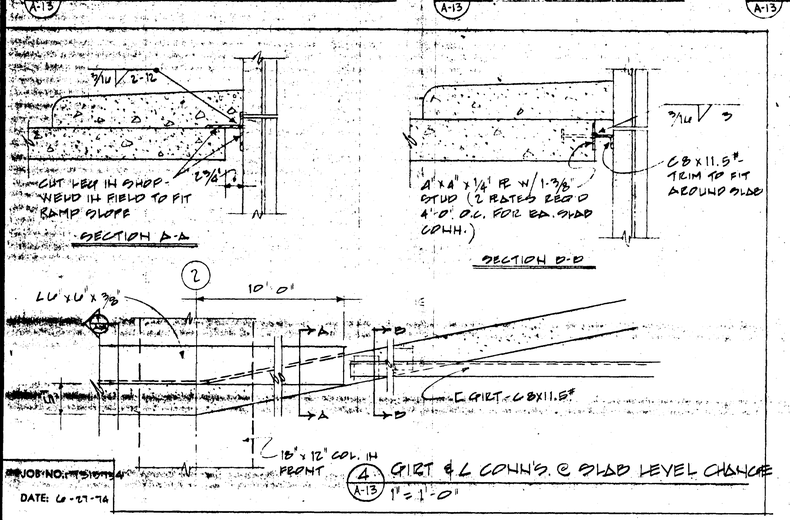
9 A-13 PLAN VIEW — CORNER @ ENTRY



13 A-13 PARAPET DETAIL @ FIRE WALL (EAST)



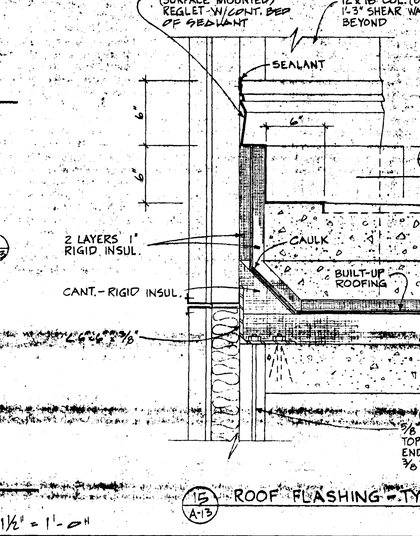
14 A-13 PARAPET DET. @ N.S., W., & ALL SHEAR WALLS



4 A-13 GIRT & L CONN'S. @ SLAB LEVEL CHANGE

1" = 1'-0"

7 A-13 EXTERIOR CONC. BASE



16 A-13 ROOF FLASHING @ COL's TYP.

15 A-13 ROOF FLASHING - TYPICAL

SCALE: 1½" = 1'-0"

MISC. DE

GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

ARCHITECTS ▪ ENGINEERS ▪ SURVEYORS
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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU . ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.
FAIR ALASKA
RECOMMENDED: CONTRACTOR'S R.P.
APPROVED: OWNER'S REP.
DATE:

AS-BLT

A-13

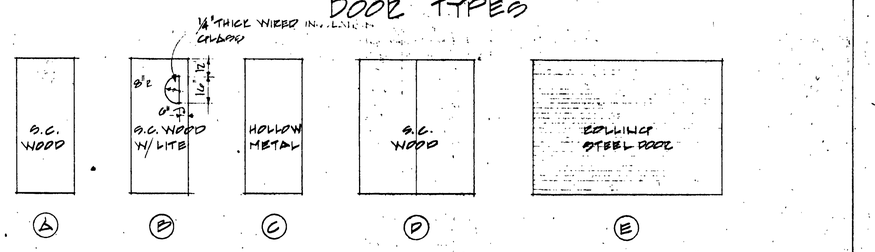
SHEET 16 C

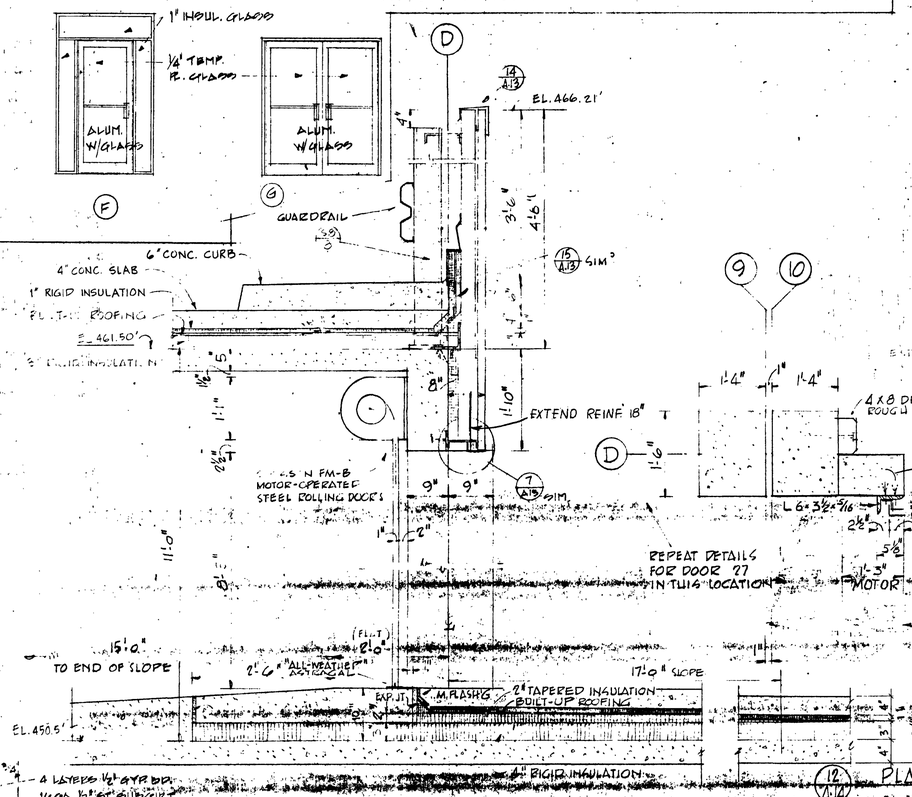
JOB NO: 7510104
DATE: 6-27-74

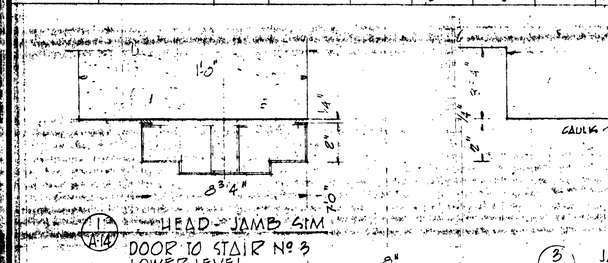
DOOR SCHEDULE

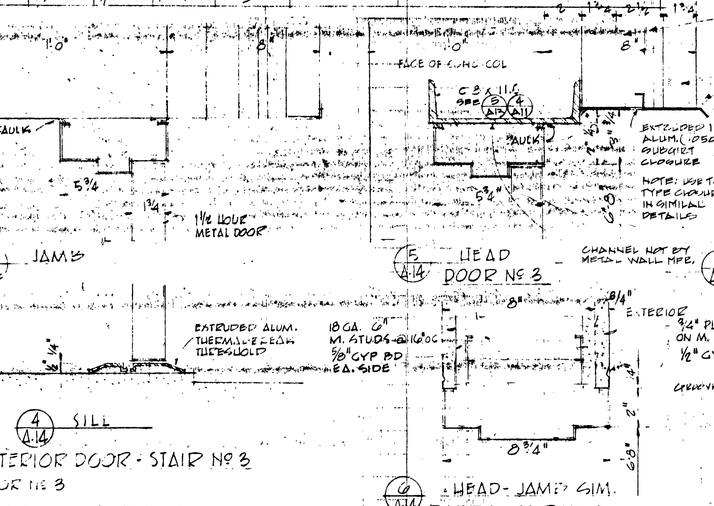
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1	3'-0" x 7'-0" x 1¾"	B	H.M.		1½ HR.	PAINT		1/A-14	1/A-14		1		
2	"	B	"		"	"		2/A-14	2/A-14		1		
3	3'-0" x 6'-8" x 1¾"	C			"			5/A-14	3/A-14	4/A-14	2		
4	3'-0" x 7'-0" x 1¾"	A			—			5/A-14	3/A-14	4/A-14	3		
5	"	A	"		—	"		5/A-14	3/A-14	4/A-14	3		
6	"	F	ALUM.		—	ANOD.		2/A-15	2/A-15 3/A-15		4		"CRYSTALITE" MEDIUM STILE DR.
7	3'-0" x 6'-8" x 1¾"	D	H.M.		1½ HR.	PAINT		6/A-14	6/A-14		1		
8	3'-0" x 7'-0" x 1¾"	B			"	"		9/A-14	9/A-14		1		
9	"	A	"		—	"		8/A-14	8/A-14		5		
10	3'-0" x 6'-8" x 1¾"	D	"		1½ HR.	"		7/A-14	7/A-14		6		
11	PR. 3'-0" x 7'-0" x 1¾"	G	ALUM.		—	ANOD.		7/A-15	12/A-15 13/A-15	8/A-15	7		"CRYSTALITE" MEDIUM STILE DR.
22	3'-0" x 6'-8" x 1¾	B	H.M.		1½ HR.	PAINT		2/A-14	2/A-14		1		
23	"	"	"		"	"		9/A-14	9/A-14		1		
24	"	"	"		"	"		7/A-14	9/A-14		1		
25	"	A	"		—	"		8/A-14	8/A-14		8		
26	14'-10⅜" x 8'-3"	E	STEEL LS		—			11/A-14	12/A-14		9		COORDOOR
27	14'-10⅜" x 8'-3"	E	STEEL LS		—			11/A-14	11/A-14		9		
28	3'-0" x 6'-8" x 1¾	D	H.M.		1½ HR.			6/A-14	6/A-14		1		
29	12'-6½" x 7'-0" x 13/4	A			—			13/A-14	13/A-14	14/A-14	10		SEE 1/A-12 FOR CONC. STEPS
30	"	A			—			13/A-14	13/A-14	14/A-14	10		
31	PR. 3'-0" x 7'-0" x 1¾	D			—			13/A-14	13/A-14	14/A-14	11		
32		P			—			13/A-14	13/A-14	14/A-14	11		
33	3'-0" x 7'-0" x 1¾	B			1½ HR.			13/A-14	5/A-14	4/A-14 SIM	8		
34	3'-0" x 6'-8" x 1¾	B						6/A-14	6/A-14	4/A-14 SIM	1		
35	12'-6½" x 10'-8½"	E	STEEL LS		—			2/A-17	6/A-17		9		"COORDOOR"
36	12'-6½" x 10'-8½"	E	STEEL LS		—			2/A-17	6/A-17		9		
37	3'-0" x 7'-0" x 1¾	C	H.M.		—		—	7/A-14 SIM	7/A-14 SIM		12		
38		G			—		—	7/A-14 SIM	7/A-14 SIM		10		
39		A			1½ HR			1/A-14	1/A-14	4/A-14 SIM	3		

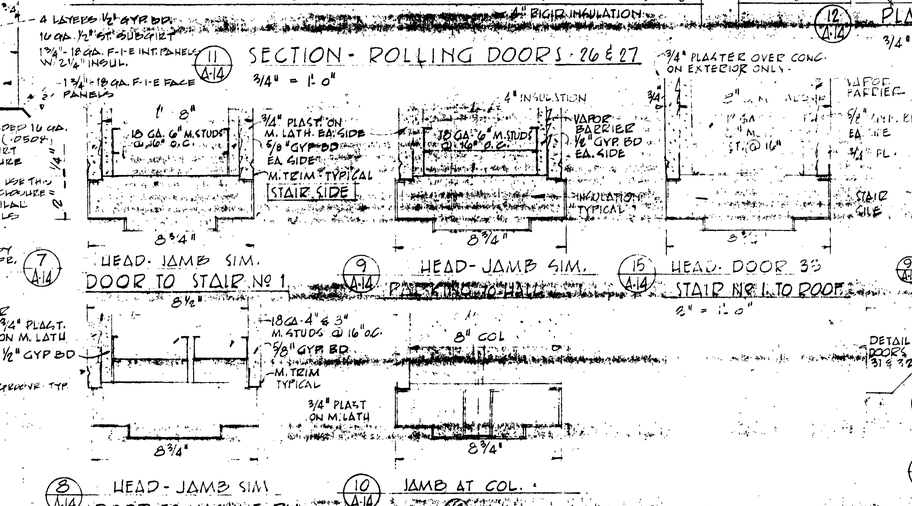
DOOR TYPES











JOB NO: 7313-734
DATE: 6-27-74

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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
RECOMMENDED: APPROVED:

A-14

AS-BLT SHEET 18 OF

DOOR SCHEDULE & DETA

ELEVATION - DOOR TO STAIR # 2
1/4" = 1'-0"

7 A-15 CONC BASE EXTRUDED CLOSURE TYPICAL FACE OF CONC. COL.

B-1

1 A-15 JAMB

2 A-15 DOOR JAMB

3 A-15 DOOR JAMB

4 A-15 SIDELIGHT JAMB

5 A-15 MULLION

6 A-15 JAMB

WINDOWS & DOOR - STAIR Nº 2
3" = 1'-0"

EL. 446.0

B 8 X 16

8" 8 X 16 BEAM

3 3/4

2" RIGID INSULATION

F.I. 16 GA 1 3/4 X 12 FACE PANELS

EXTRUDED CLOSURE TYPICAL

7 A-15 HEAD

8 A-15 SILL DOOR'S AT ENTRANCE - STAIR Nº 1

18

12 X 36 UPSET BEAM

9 A-15 HEAD

10 A-15 SILL AT UPSET BEAM

11 A-15 SILL

3" = 1'-0"

C 8 X 11.5

SEE 11 A-17 FOR CONTINUATION OF THIS DETAIL

3/4" PLAST. ON METAL LATH

1/2" GYP. B'D

18 GA 6" M. STUDS

METAL TRIM TYPICAL

L-3 18 GA. 3" X 12" INTERIOR PANELS W/3 5/8" BATT INSULATION

CONC BASE BELOW

16 GA 1/2" SUBGRT AT STRUCT. GIRTS & AT MIDSPAN

F.I-E 18 GA 1 3/4" X 12" FACE PANELS

CAULK

12 A-15 JAMB

1/4" TEMPERED PLATE GLASS

18 GA. - 6" M. STUDS

1/2" GYP. B'D

3/4" FURRED ON METAL LATH

CONC BASE

16 A-15 CORNER

13 A-15 DOOR & WINDOW JAMBS

2" RIGID INSULATION

C 6 X 8.2

1/4" SHIM

CAULK

1" INSULATION GLASS

14 A-15 HEAD - TRANSOM

1/4" TEMPERED PLATE GLASS

1" INSULATION GLASS TYPICAL

17 A-15 MULLION

18 A-15 MULLION

CONC BASE

CURVED COL. SEE FL. PLAN

F.I-E 18 GA 1 3/4 X 12 FACE PANELS

16 GA 1/2" SUBGRT

15 A-15 DOOR HEAD & TRANSOM AT STAIR Nº 2
3" = 1'-0"

19 A-15 JAMB

WINDOWS & DOORS - STAIR Nº 1
3" = 1'-0"

JOB NO.: 7313-734

DATE:

GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

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DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
CONTRACTOR
DATE:

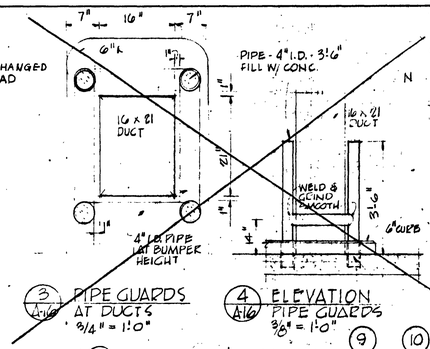
AS-BLT

DOOR & WINDOW DETA

A-15

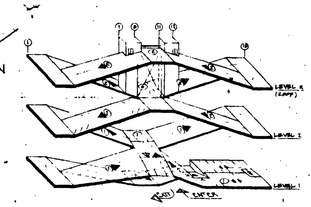
SHEET 17 OF

DELETED
AIR CURTAIN CHANGED TO OVERHEAD
SEE (E5/A16) & (A/A7)

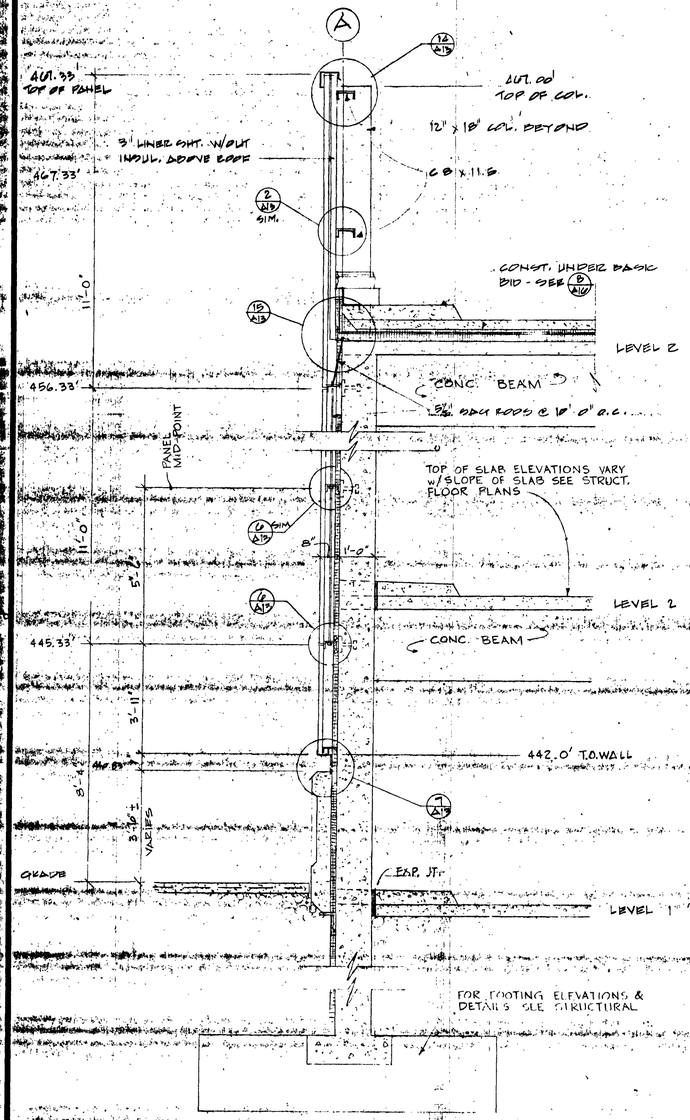


(3) A16 PIPE GUARDS AT DUCTS 3/4" = 1'-0"

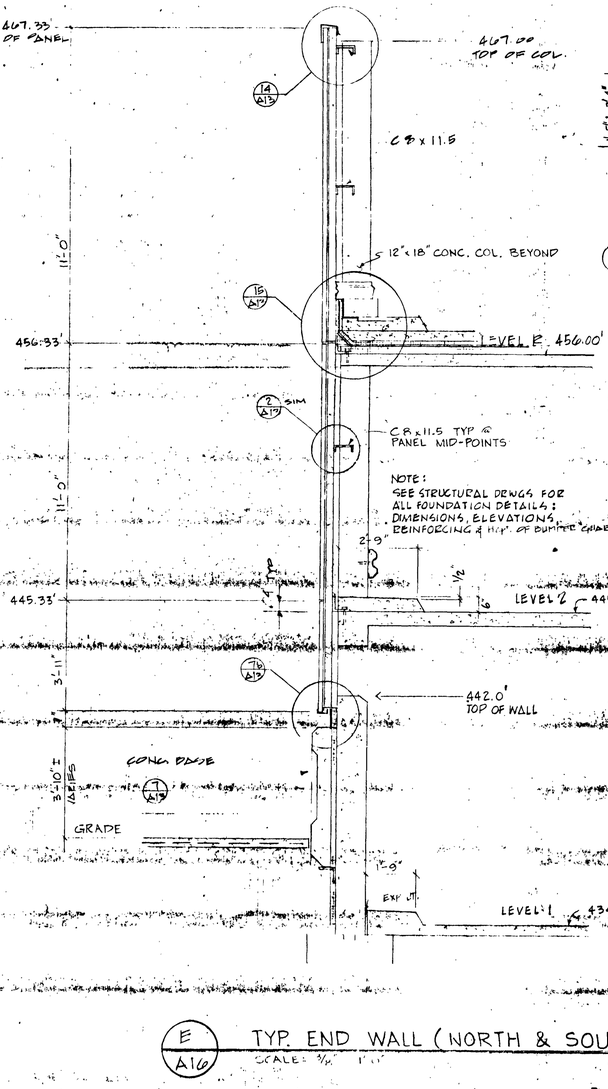
(4) A16 ELEVATION PIPE GUARDS 3/8" = 1'-0"



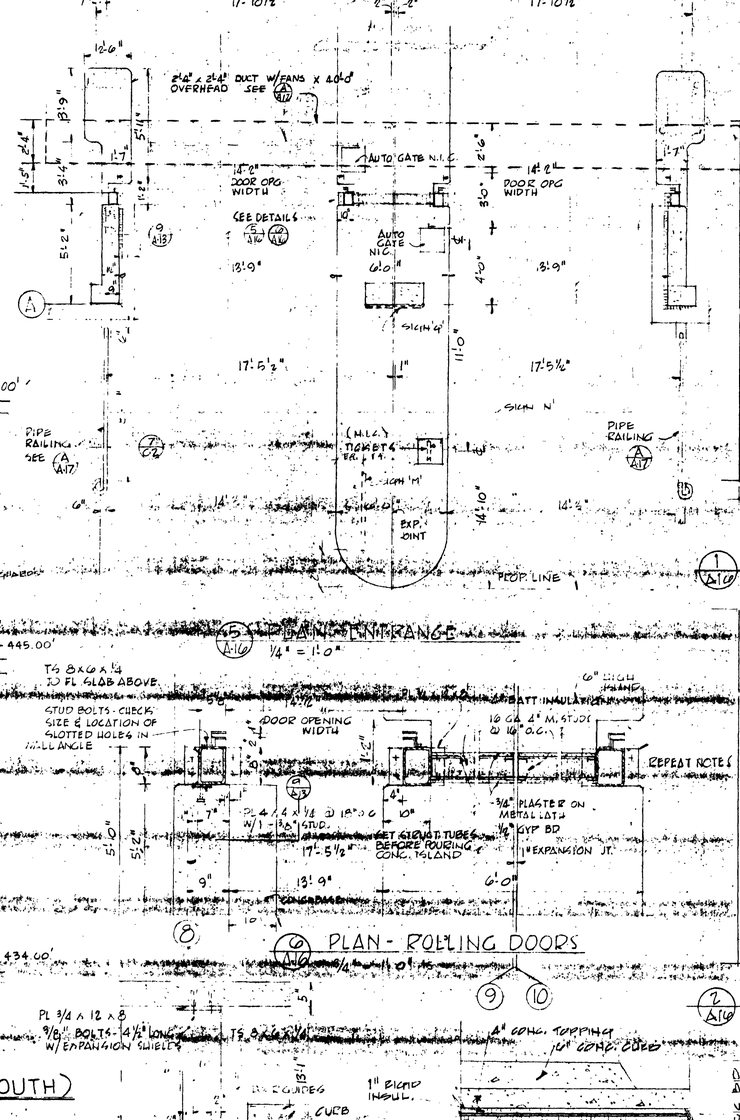
GET IN PIPE SLEEVE W/ NON-SHRINK GROUT



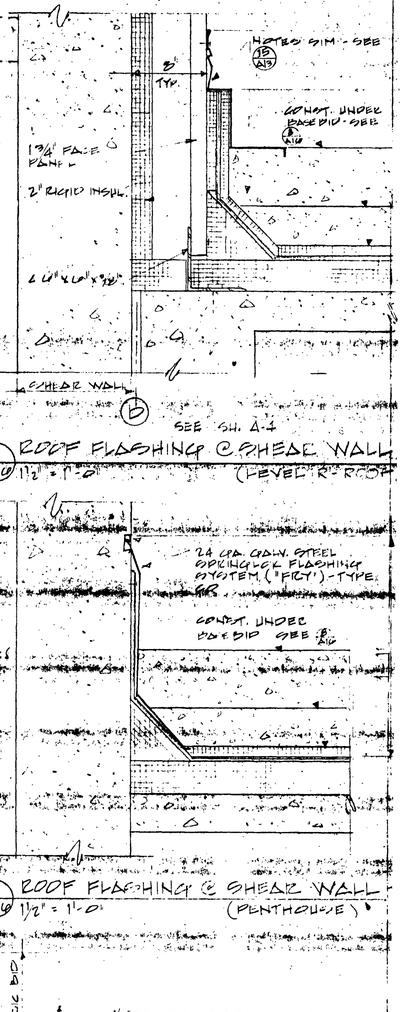
(P) A16 TYP. SHEAR WALL (PANEL ELEV.'S FOR WEST WALL SHOWN)
SCALE: 3/8" = 1'-0"



(E) A16 TYP. END WALL (NORTH & SOUTH)
SCALE: 3/8" = 1'-0"



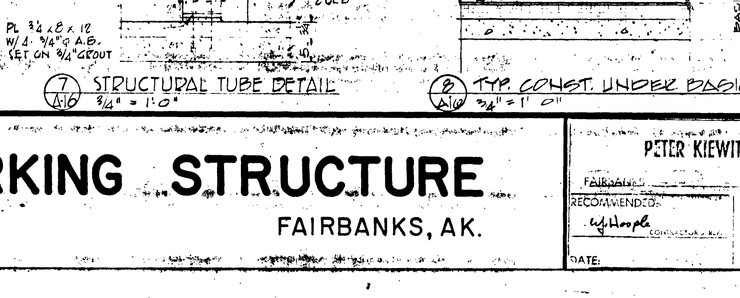
(1) A16 1 1/2" = 1'-0" ROOF FLASHING @ SHEAR WALL (LEVEL 'B' ROOF)



(5) A16 1/4" = 1'-0" MAIN ENTRANCE

(6) A16 PLAN - ROLLING DOORS

(2) A16 1 1/2" = 1'-0" ROOF FLASHING @ SHEAR WALL (PENTHOUSE)



(7) A16 3/4" = 1'-0" STRUCTURAL TUBE DETAIL

(8) A16 3/4" = 1'-0" TYP. CONST. UNDER BASIC BID

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DATE: 4-24-74

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
RECOMMENDED: CONTRACTOR
PROVED: OWNER'S REP.
DATE:

A-16

AS-BLT SHEET 19 OF

WALL SECTIONS & DETA

GRAY ROGERS MYERS & MORGAN

GRAY ROGERS MYERS & MORGAN

TYP. PRECAST CAP BY PANEL MFGR.
1½" BUILT-UP ROOFING
1½" RIGID INSULATION
1⅛" METAL ROOF DECK
HOTCHKISS CLOSURES BY PANEL MFGR.
19¾" TYP. FACE PANEL
450.83
5 A17 CANOPY ROOF 1" = 1'-0"
6"x6"x½" CONT.
445.33
TYP. PLASTER STOP
¾" PLASTER ON ½" GYP. BD. ON METAL FURRING CHANNELS
4 A17 CANOPY SOFFIT 1" = 1'-0"
19¾" FACE PANEL
¼" BUILT-UP ROOFING
1½" RIGID INSUL.
TYP. PANEL CLOSURE
SHT. METAL FLASHING
1⅛" MBT. DECK
SEE STRUCT. SHT. S-9 FOR DETAILS
3 A17 FLASHING @ BLOCK. 1" = 1'-0"
MECH. PENTHOUSE BEYOND
SLOPE TOP OF PANEL PARALLEL TO SLOPE OF ROOF
LINER SHEET W/OUT INSUL. ABOVE ROOF
LEVEL 2 (ROOF)
TYP. CHANNEL BETWEEN COLUMNS @ PANEL MIDPOINT (SEE SHT. A-11 FOR TYP. CHANNEL SIZES & DETAILS OF PANEL COVERAGE BETWEEN COLUMNS & ON SHEAR WALLS)
LEVEL 2
INSULATED METAL PANEL WALL ALONG LINE D FROM LINE C TO LINE 17 - EXTEND PANELS VERTICALLY FROM LEVEL 2 (ROOF) TO LEVEL 2
COLUMNS BEYOND
6 A17 PANEL WALL @ LINE D 1½" = 1'-0"
467.33 TOP OF PANEL
467.00'
12" x 18" SOL. BEYOND
461.50' LEVEL 2 (ROOF)
⅞" EPOXY BOLTS @ 10'-0" O.C.
GUARDRAIL: TYP EACH FLOOR SEE FLOOR PLAN. RAIL PLATE & TERMINAL PLATE SHALL BE 12 GA. GALV. STEEL AND SHALL CONFORM TO AASHO M 180, CLASS A, TYPE II.
460.33
16'-10"
SLOPE 4"
450.50' LEVEL 1
2" RIGID INSUL.
FOR EXPT. JOINT SEE MECH. DWGS.
FOR STRUCT. DETAILS SEE S-1
RETURN CLG. TO HOOD
5/16" TYP. PANEL
AIR DUCT
FLASHING SEE ½" GYP. BD.
TS 8x6x½
445.33' EXPT. OF PANEL
PIPE RAIL ANT. A-3
5'-0"
TJR LIGHTING & EMP. PT'S SEE SH. E-2
CONC. BASE
6"x6"
2.375" O.D. STD. STEEL PIPE
437.00
439.66
CONC. CURB
CONC. ISLAND
1.315" O.D. STD STEEL PIPE WELD & GRIND SMOOTH - PAINT
CONC. FILLED w/#4 EDGES @ 10'-0" O.C.
PROPERTY LINE
FLANGE
SET IN PIPE SLEEVE W/ NON-SHRINK GROUT
14'-10"
1 A17 PLAN 1" = 1'-0"
2 A17 PIPE SLEEVE 1" = 1'-0"
A A17 TYPICAL WALL @ BLDG. (WEST) SCALE: ⅜" = 1'-0"
ROOF HATCH BY TOWNSEND SEE A12
1⅛" 20 GA. METAL DECK
14 H 3 JOISTS
W8x10
W12x14
MECHANICAL PENTHOUSE
W6x15.5 COLUMNS
SEE STRUCT. SHT S-9 FOR MECH. DUCT OPENINGS IN CONCRETE SLABS
W12x16.5
C8x11.5
16'-0"
THICKENED CONC. SLAB TO BE LEVEL W/ TOP OF CURB @ DOOR
LEVEL R (ROOF)
CONC. BEAM
ELEV. VARIES SEE DET. 9
LEVEL 2
3'ø PIPE RAILS SEE 11 B-9
2'-9" TYP.
LEVEL 1
LEVEL B (FLOOR) 450.50
WB x 10
475.42 TOP OF METAL DECK
(ELEV. VARIES)
463.25 BOTT. OF PANEL BEYOND SEE EXT. ELEV. SHT. A-4
461.83 BOTT. OF PANEL
CONC. BEAM
1'-0"
SHEAR WALL
467.00' TOP OF CONC.
467.33' TOP OF PANEL
456.33
4 LAYERS ½ GYP. BD. w/½" SUB GIRTS @ STRUCT. GIRTS AND PANEL MID-POINTS, SEE 4 A18
3/8" SAG RODS @ 10'-0" O.C.
445.33
TYP.
2'-9" TYP.
449.83
423.16
439.50
EXP. JT.
4" C.J.C.
B A17 CENTER SECT. THRU MECH. PENTHOUSE SCALE: ⅜" = 1'-0"
C A17 2 HR. FIRE WALL @ BLDG. (E SCALE: ⅜" = 1'-0"
FOR PTG. ELEV. & DETS. SEE STRUCT. DRAWINGS
424.50'
WALL SECTI

JOB NO.
DATE: 6-27-74

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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, A.K.

PETER KIEWIT SONS' CO.
FAIR
W. Hoople
CONTRACTOR
OWNER'S REP.
DATE
AS-BLT

A-17

SHEET 20 O

M.U.S. BUILDING

POLICE STATION

NEW SIDEWALK W/DRIVEWAY CUT. CONSTRUCT TO CITY OF FAIRBANKS STANDARD DTL'S.

CURBS & SURFACE TO REMAIN

SALVAGE FENCES & ELECT. WIRING

REGRADE (NEW BASE COURSE THIS AREA REQUIRED)

CONSTRUCTION FENCE (CONTRACTOR TO PROVIDE GATES FOR HIS OPTION)

REMOVE FENCE @ COMPLETION OF PROJECT

NEW CRUSHED ROCK BASE COURSE THIS AREA

REMOVE EXISTING SIDEWALK & REPLACE

5'-0" OR 4" THICK REINFORCED CONC. ENTRANCE SLOPE

TEMPORARY BOARDWALK REQUIRED FOR ACCESS TO POLICE OFFICE WHEN FENCE ERECTED. WHEN NEW WALK AVAILABLE TO PUBLIC REMOVE BOARDWALK (8/C-1) AND RESTORE LAWN.

PROTECT EXISTING TREE

EXISTING GRASS

REMOVE EXISTING DRIVEWAY PROVIDE NEW CURB, GUTTER, & SIDEWALK

SEE NOTES BELOW FOR NEW CONC.

4" THICK REINF. CONC. SLAB ON GRADE @ EXT. STAIRS (4'-2" x 6'-4")

TYP. LIGHTS T.C. (TYPE "I" FIXTURES)

SALVAGE FENCES & ELECT. WIRING

REMOVE TO EXISTING JOINT OR SAW ON STRAIGHT LINE

NEW CURB, GUTTER & SIDEWALK TO REPLACE EXISTING DRIVEWAY

4" THICK CONC. SLAB & BATT

CANOPY ABOVE

ELECT. SERVICE TO BLDG., SEE SHT. E-1 T.C.

REMOVE WALK T.C.

REMOVE C.B. & SEAL DRAIN LINE

REMOVE EXISTING SIDEWALK TO EXISTING JOINT OR SAW ON STRAIGHT LINE

EXISTING SIDEWALK TO REMAIN

CONSTRUCTION FENCE T.C.

SALVAGE EXISTING FENCE

LIGHTS - TYP. (40'-0" O.C.) TYPE "I" FIXTURES

POSSIBLE LOCATION FOR TEMPORARY POWER POLE

BARNETTE STREET

FUTURE S.I.

FUTURE Δ PT.

EXISTING S.I.

EXISTING

FUTURE

EXISTING

EXISTING SI.

SEE SHEET C-2 FOR BLDG. LOCATION

SEE ELECTRICAL SPECIFICATIONS FOR INF ON TEMPORARY POWER FOR CONSTRUC

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

GOLDEN HOOP-DOUBLE GALVANIZED END OF 10 GA. GALV. WIRE TWISTED 5 TIMES TUBE

2"x4"x3'-0" STAKE - TOP OF STAKE FLUSH W/ GROUND

GROUND COVER OVER 2" MULCH

DOUBLE DITCH - APPROX. 12' O.C. SPACING - SEE PLANTING SHEET FOR LOCATIONS

GROUND LINE TO BE MAINTAINED AT ORIGINAL ELEV. ON TRUNK AS IN NATURAL STATE.

REINF. w/ 3-#5 HORIZ. #4@18" O.C. VERT.

BACKFILL W/ TOPSOIL & PEATMOSS 3:1 RATIO WATER IN LAYERS TO SETTLE - DO NOT TAMP.

12" MIN.

½" EXP. JT.

1 TYP. PLANTER DETAIL C-1 3/4" = 1'-0"

GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

LEGEND

- CONCRETE RAMPS & SIDEWALKS, THIS C
- COMPACTED MATERIAL FROM EXCAVA
- (E) EXISTING
- T.C. THIS CONTRACT
- TEST HOLE LOCATION
- -o-o-▲ TEMPORARY CONSTRUCTION FENCE

NOTES

1. LOGS OF TEST HOLES AVAILABLE AT AR OFFICE & AT DIVISION OF BUILDINGS OFF FAIRBANKS, ANCHORAGE & JUNEAU.
2. SEE SHEET M-1 FOR UNDERGROUND UT
3. ALL ABANDONED UNDERGROUND HOUSE... TIONS OR UTILITIES NOT DESIGNATED ARE TO BE REMOVED TO THE EXTENT T INTERFERE WITH CONTRACT WORK. VE UTILITIES ARE ABANDONED WITH ARCHI CITY OF FAIRBANKS PRIOR TO REMOV
4. ALL SALVAGED MATL. TO BE TURNED CITY OF FAIRBANKS @ CITY PUBLIC WOR GARAGE.
5. CONSTRUCTION FENCE TO BE MINIMUM HIGH, LIGHT GAGE CHAIN LINK FENCE. TO BE CONTRACTORS PROPERTY AT EN
6. ALL AREAS ADJACENT TO THIS CO HOT RECEIVING CONCRETE OR CU ROCK BASE SHALL BE FILLED W COMPACTED MATERIAL FROM E

JOB NO.: 7813-734

DATE: 6-27-74

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130 FAIRBANKS, AK

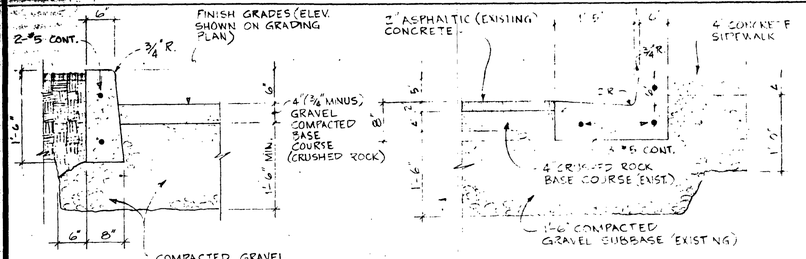
PETER KIEWIT SONS' CO.

AS-BLT

SHEET 2 O

C-1

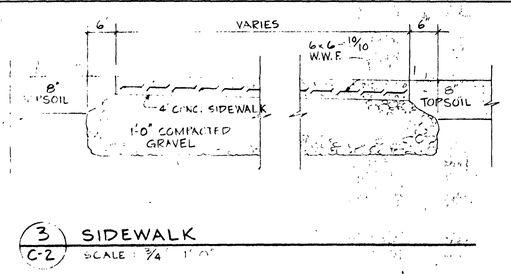
SITE P



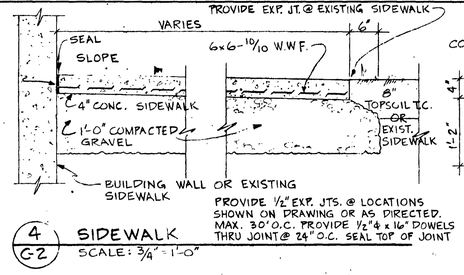
PROVIDE EXP. JOINTS EVERY 20' AND AT CORNERS. SMOOTH DOWELS THRU JOINT. SEAL JOINTS

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

2 C-2 CURB & GUTTER DETAIL
SCALE: 3/4" = 1'-0"

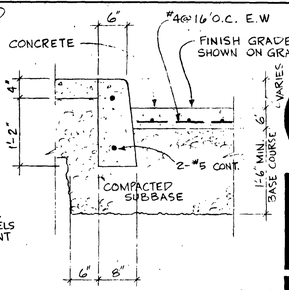


3 C-2 SIDEWALK
SCALE: 3/4" = 1'-0"



PROVIDE 1/2" EXP. JTS. @ LOCATIONS SHOWN ON DRAWING OR AS DIRECTED. MAX. 30'O.C. PROVIDE 1/2"ø x 16" DOWELS THRU JOINT @ 24" O.C. SEAL TOP OF JOINT

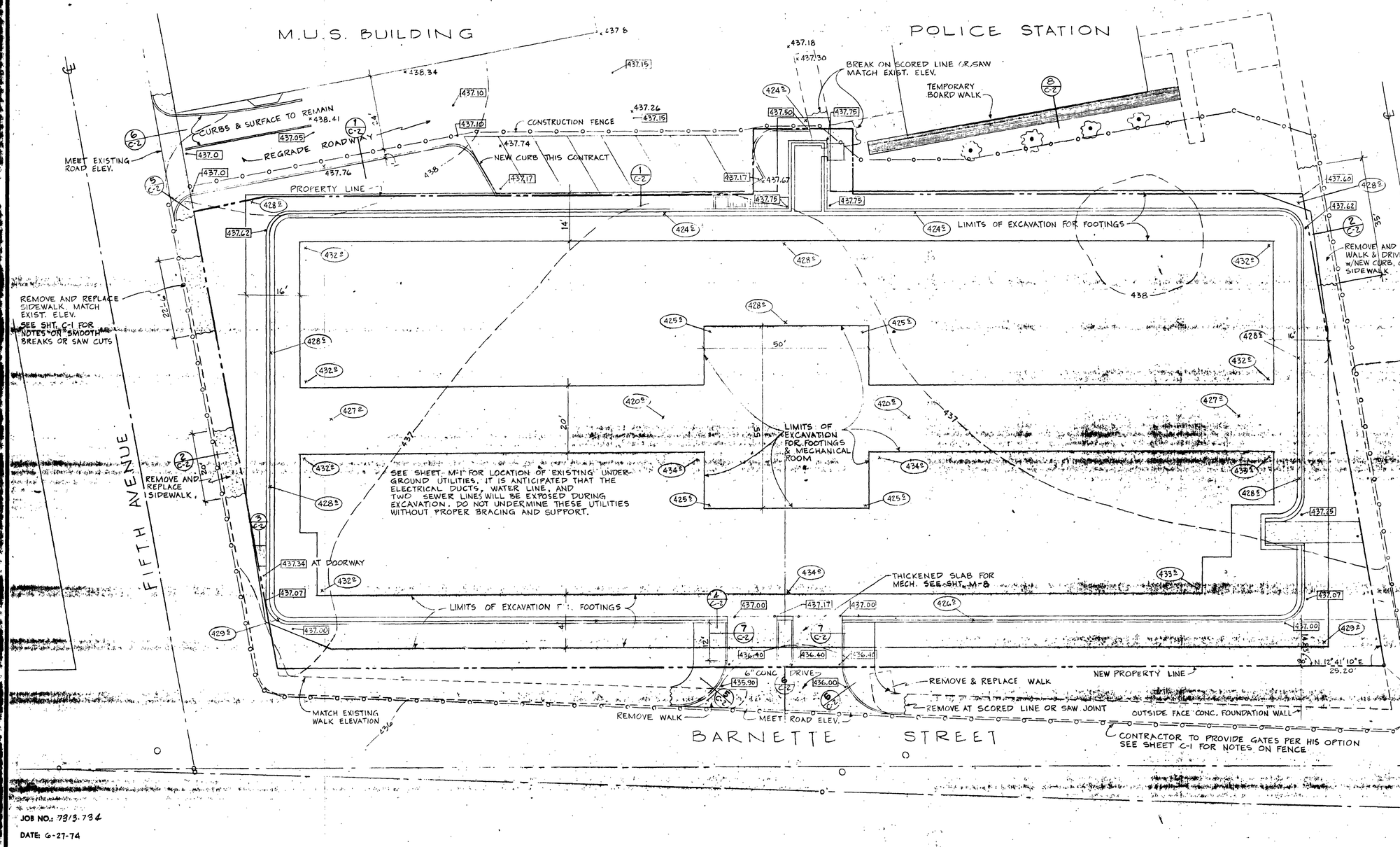
4 C-2 SIDEWALK
SCALE: 3/4" = 1'-0"

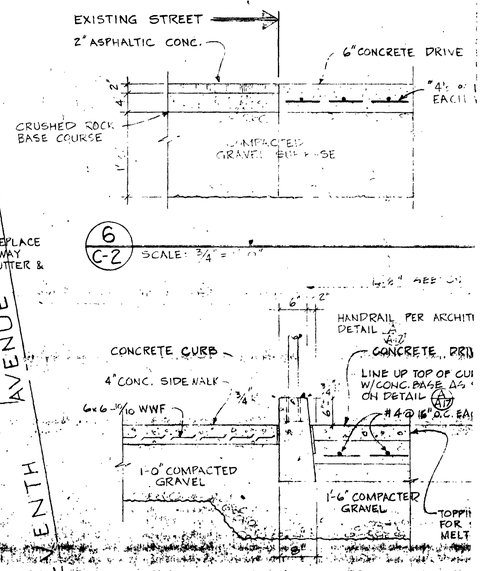


PROVIDE EXP. JOINTS EVERY 20' AND AT CORNERS

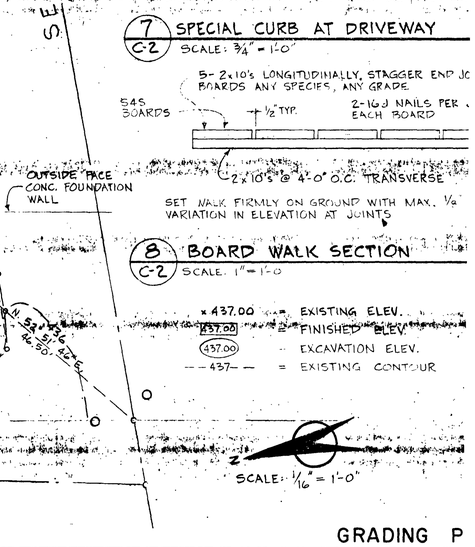
5 C-2 SIDEWALK & CURB
SCALE: 3/4" = 1'-0"

GRAY ROGERS MYERS & MORGAN

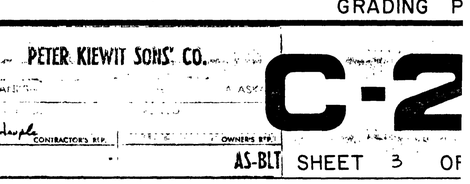




6 C-2 SCALE: 3/4" = 1'-0"



7 C-2 SPECIAL CURB AT DRIVEWAY
SCALE: 3/4" = 1'-0"



8 C-2 BOARD WALK SECTION
SCALE: 1" = 1'-0"

×437.00 = EXISTING ELEV.
437.00 = FINISHED ELEV.
(437.00) = EXCAVATION ELEV.
--437-- = EXISTING CONTOUR

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

JOB NO.: 7313.734
DATE: 6-27-74

GRADING P

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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

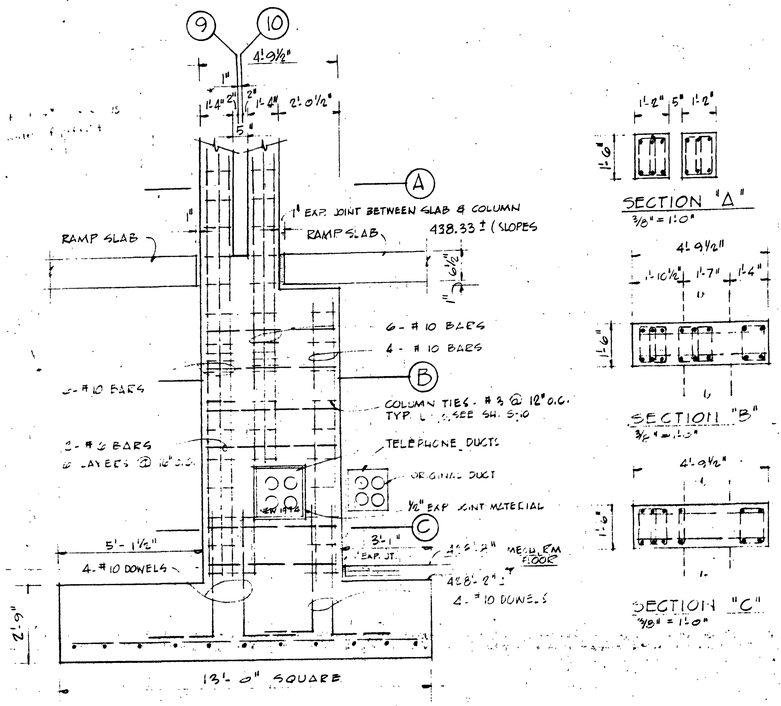
DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
W.J. Hample CONTRACTOR'S REP.
OWNER'S REP.
DATE

C-2

AS-BLT SHEET 3 OF



SECTION - COLUMN D-9/10

SCALE - 3/8" = 1'-0"

SECTION "A"

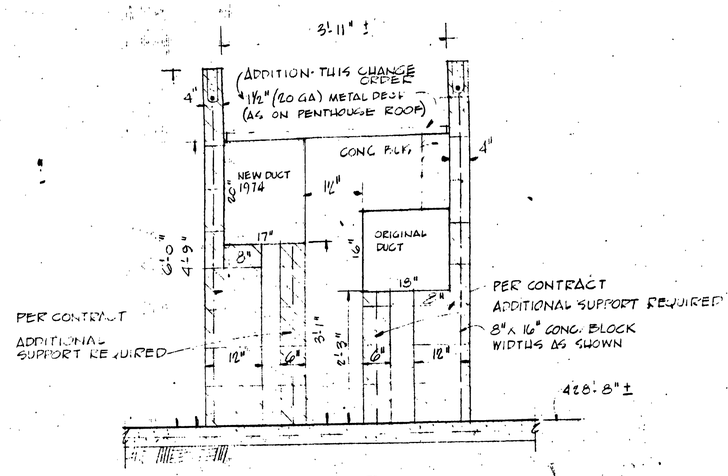
3/8" = 1'-0"

SECTION "B"

3/8" = 1'-0"

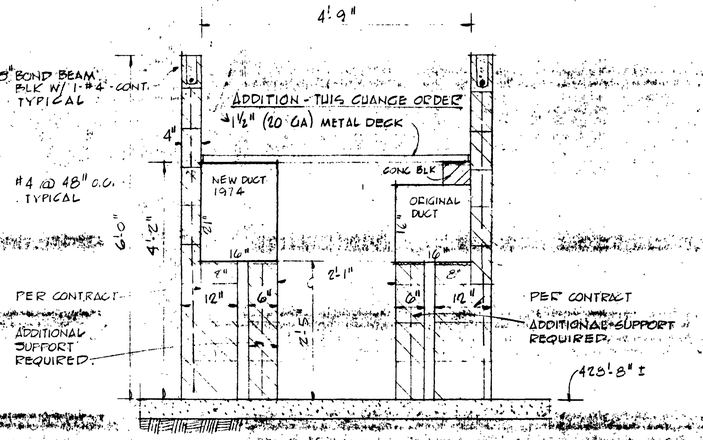
SECTION "C"

3/8" = 1'-0"



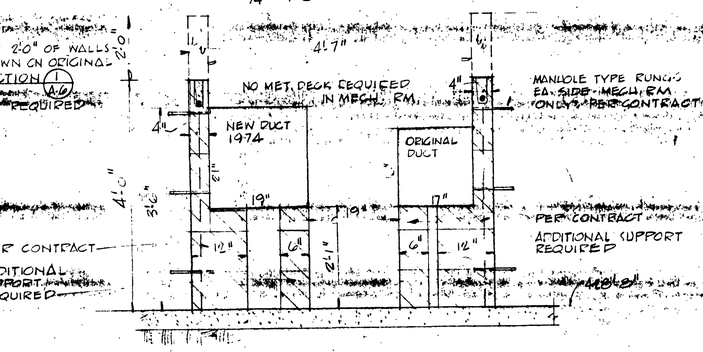
SECTION (1)

3/4" = 1'-0"



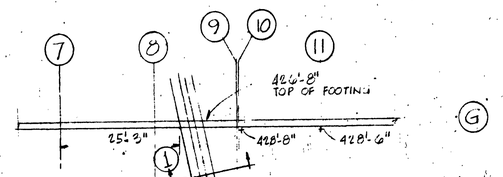
SECTION (2) SEE FL. PLAN

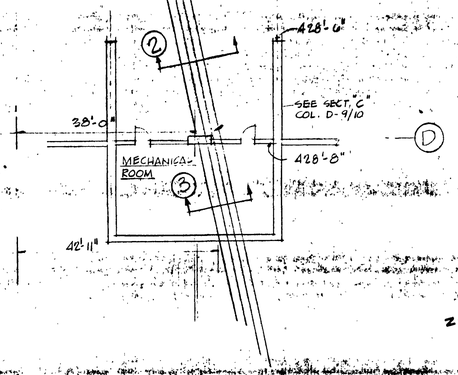
3/4" = 1'-0"



SECTION (3)

3/4" = 1'-0"





FLOOR PLAN - LEVEL L - TOWER

SCALE 1/16" = 1'-0"

A

PETER KIEWIT SONS' CO.

FABRICATOR:	ERECTOR:
RECOMMENDED: M. Hoop (CONSTRUCTION MGR.)	APPROVED:
DATE:	

CHANGE ORDER DRAWING

NECESSARY REVISIONS DUE TO M.U. CHANGING TELEPHONE DUCT LOCATIO

GRAY ROGERS MYERS & MORGAN

JOB NO.: 7313-734

DATE:

ARCHITECTS ▪ ENGINEERS ▪ SURVEYORS

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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

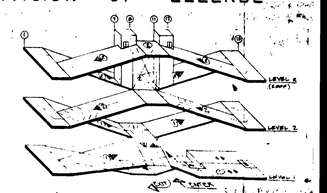
CO-1

ELECTRICAL NOTES

1. SWITCH, LIGHT AND RECEPTACLE IN ELEVATOR PIT. VERIFY EXACT LOCATION.
2. 120 VOLT EMERGENCY CIRCUIT FOR CAB LIGHTS. CONNECT TO CONTROLLER AND RUN TO EMERGENCY PANEL L2.
3. PROVIDE 60A FUSED SWITCH AND CONNECT FEEDER TO CONTROLLER FOR 20 HP ELEVATOR.
4. ELEVATOR FEEDER 3/4" - 3# 8 UP TO PANEL DP-1.
5. CONNECT UP LIMIT SWITCH ON ROLL UP DOOR TO START AIR DOOR WHEN ROLL UP DOOR IS OPENED.
6. CONNECT UP FLOAT SWITCH AND MECHANICAL ALTERNATOR TO CONTROL SUMP PUMPS.
7. HI WATER FLOAT SWITCH ON SUMP RUN 1/2" - 2# 12 TO ALARM ANNUNCIATOR RELAY CABINET IN LOWER MECHANICAL ROOM.
8. ALARM CHECK VALVES SEE FIRE ALARM RISER.
9. CONNECT UP SUPERVISORY CIRCUIT ON SPRINKLER PRESSURE SWITCH AND VALVE POSITION SWITCH. RUN 3/4" - 4# 12 TO ANNUNCIATOR RELAY CABINET IN LOWER MECHANICAL ROOM.
10. CONNECT UP FLOAT SWITCH TO CONTROL SUMP PUMP.
11. 3/4" CONDUIT FROM SPRINKLER SYSTEM VALVING IN LOWER MECHANICAL ROOM TO SPRINKLER ALARM BELL AT ENTRANCE COLUMN A-11.
12. SPRINKLER ALARM BELL AND CONDUIT SEE NOTE 11.
13. INSTALL OUTLET IN FACE OF BEAM. RUN CONDUIT IN COLUMN OR SHEAR WALL. MOUNT AT 8'-6".
14. INSTALL OUTLET IN FACE OF COLUMN, RUN CONDUIT IN COLUMN, MOUNT AT 8'-6".
15. EXIT LIGHT TO BE MOUNTED ON FACE OF BEAM.
16. HOME RUN UP TO PANEL DP-1 IN NORTH PENTHOUSE.
17. HOME RUN UP TO PANEL 103 IN NORTH PENTHOUSE.
18. RUN 1/2" - 2# 12 TO ANNUNCIATOR RELAY CABINET IN LOWER MECHANICAL ROOM.
19. 1-1/2" - 30# 14 TO ANNUNCIATOR RELAY CABINET IN LOWER MECHANICAL ROOM.
20. REFER TO SITE PLAN C-1 FOR EXACT LOCATION OF TYPE "Y" LUMINAIRES. (SEE E4/8 FOR WIRING DETAIL).
21. STUB 3/4" CONDUIT INTO PLANTER 12" BELOW TOP OF SOIL AND CAP FOR FUTURE SIGN LIGHTING. RUN CONDUIT TO JUNCTION BOX NEAR PANEL 102.
22. INSTALL CONTROL SWITCHES FOR ROLL UP DOORS. SWITCHES FURNISHED BY DOOR SUPPLIER.
23. RUN 1# 3/0 BARE IN BOTTOM OF FOOTING AND CONNECT TO 5/8" X 20' GROUND ROD AT COLUMNS G-1 AND G-18. RUN 3/4" - 1# 3/0 TO GROUND BUS IN SWITCHBOARD.
24. RUN 3/4" - 4# 10 TO LIGHTING CONTACTOR IN NORTH MECHANICAL PENTHOUSE.
25. HOME RUN UP TO PANEL E2.
26. 8" X 8" X 4" D. JUNCTION BOX AND 2" CONDUIT TO NORTH PENTHOUSE FOR FUTURE USE.
27. CONNECT UP 1/2 HP 460 VOLT ROLL UP DOOR. STARTER FURNISHED UNDER DIVISION 8 AND INSTALLED UNDER DIVISION 16.
28. TWO GANG OUTLET WITH BLANK STAINLESS STEEL COVER AND GASKET CAST IN CONCRETE BASE. STUB 3/4" CONDUIT OUT 24" BELOW GRADE AND BUSH FOR FUTURE HEAD BOLT HEATERS. BOX TO BE RACO #246 WITH #795 1-1/2" SQUARE CUT COVER OR EQUAL.

GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE



STAIR NO. 3 UP TO THERMOSTAT

STAIR NO. 2

STAIR NO 1

439.5 434.0 437.0 434.0

BUILDING EXPANSION JOINT

ALARM ANNUNCIATOR SEE DET E1/2.

SEE E-3 FOR ELEVATOR ANNUNCIATOR PANEL

SEE DETAIL E3-7 FOR PARKING GATE WIRING

LEVEL 1 PLAN

STAIR NO 3

LEVEL 1 (LOWER) PLAN

428.5

2-4" CONDUIT RISER UP TO TRANSFORMER ON ROOF SEE STRUCTURAL SHEET S-12/3 FOR EXACT LOCATION.

2-4" CONDUITS CONCRETE ENCASED TO POWER CO. MANHOLE. SEE SITE PLAN SHEET C-1 FOR EXACT LOCATION.

SEE DETAIL E1-1

SUSPEND FIXT. & LOCATE TO CLEAR MECH. EQUIP. & PIPING

EXIST. TEL. DUCT

TWO - 2" EMPTY CONDUITS FOR TELEPHONE SERVICE TO MANHOLE. VERIFY EXACT LOCATION.

ANNUNCIATOR ALARM RELAY CABINET

FIRE ALARM CONTROL

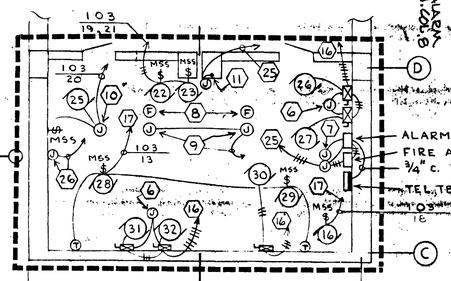
TEL. TERM. T-1

BUILDING EXPANSION JOINT

ZONE	ENGRAVING
1	SPRINKLER FLOW
2	FIRE ALARM
3	TROUBLE ALARM - FIRE ALARM & SPRINKLER
4	SUMP PUMP HIGH
5	GENERATOR ALARM PANEL
6	CARBON MONOXIDE ALARM
7	VENTILATION FAILURE
8	ELEVATOR ALARM
9	
10	
11	
12	

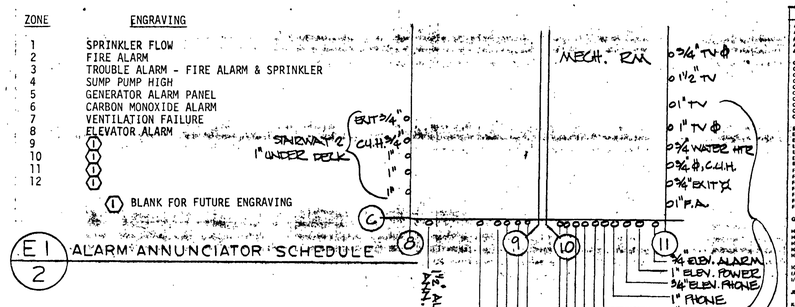
(1) BLANK FOR FUTURE ENGRAVING

E1/2 ALARM ANNUNCIATOR SCHEDULE



ALARM ANNUNC. RELAY CAB.
FIRE ALARM CONTROL
3/4" C. FOR FUT ALARM CONN.
TEL. TERM. CAB. T-1.

E1/1 LOWER MECHANICAL ROOM
SCALE: 1/8" = 1'-0"



KEY TO ABBREVIATIONS			
AC	AMPERE	AUTO	AUTOMATIC -
ALT	ALTERNATING CURRENT	ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT	CAB	CABINET
CKT	CIRCUIT BREAKER	CCTV	CLOSED CIRCUIT TELEVISION
CLG	CEILING	CNT	CONDUIT EMPTY
CONN	CONNECTION, CONNECTED, OR CONNECT	CONTR	CONTRACTOR
CONTIN	CONTINUATE	DC	DIRECT CURRENT
EA	EACH	EC	ELECTRICAL OUTLET
ELECT	ELECTRICAL	EQUIP	EQUIPMENT
EXIST	EXISTING	EXP	EXPLOSION PROOF
FLA	FULL LOAD AMPERE	F	FUSED
FA	FIRE ALARM	FDR	FEEDER
FIN	FINISHED	FL	FLOOR
FUT	FUTURE	FXTR	FIXTURE
GND or G	GROUND	HOA	HAND OFF AUTO
HP	HORSE POWER	HTG	HEATING
HTR	HEATER	HZ	HERTZ
IC	INTERRUPTING CAPACITY	INT	INTERCOM
IL	INTERLOCK	JB	JUNCTION BOX
KW	KILOWATTS	LOC	LOCATION
LTG	LIGHTING, LIGHT, OR LIGHTS	MAN	MANUAL
MAIN	MAIN	MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL	MIN	MINIMUM
MFR	MANUFACTURER	MH	MAN HOLE
MC	MOTOR CONTROL	MS	MOTOR STARTER
MTD	MOUNTED	MTR	MOTOR
NC	NORMALLY CLOSED	NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT	NO	NORMALLY OPEN
NF	NON FUSED	P	POLE
PB	PUSH BUTTON	PC	PHOTOCELL
PNL	PANEL	PWR	POWER
PVC	POLY VINYL CHLORIDE	RMC	RIGID METAL CONDUIT
RECEPT	RECEPTACLE	RGS	RIGID GALVANIZED STEEL
SHT	SHEET	SPD	SPEED
SPL	SPARE	SW	SWITCH
SWBD	SWITCHBOARD	SYM	SYMBOL
TEL	TELEPHONE	TERM	TERMINAL
TRANSF	TRANSFORMER	TV	TELEVISION
TYP	TYPICAL	UFD	UNDERFLOOR DUCT
UC	UNDERGROUND	UNO	UNLESS OTHERWISE NOTED
V	VOLTS	VA	VOLT AMPERE
W	WATT	WP	WEATHERPROOF

ELECTRICAL SYMBOLS		
	EXIT LIGHT-WITH DIRECTIONAL ARROW(S) AS INDICATED	
	NIGHT LIGHT (FIXTURE TYPE)	
	LIGHTING FIXTURE - TYPE DESIGNATION	
	CIRCUIT NUMBER (HOME RUN)	
	SWITCH REFERENCE	
	NOTE: OUTLET BOXES SHALL BE INCLUDED WITH OR ADJACENT TO ALL FIXTURES	
	SWITCH, SINGLE POLE (DOOR OR NECESSARY FOR ADEQUATE NO. OF POLES)	
	RECEPTACLE (SINGLE)	1'-6"
	RECEPTACLE (DUPLEX)	1'-6"
	RECEPTACLE (DOUBLE DUPLEX)	1'-6"
	RECEPTACLE (SPECIAL VOLTAGE)	1'-6"
	SPECIAL PURPOSE (AS SPECIFIED)	1'-6"
	MOBILE RAY OUTLET	1'-6"
	PEDESTAL MOUNTED OUTLET OR DISTRIBUTION TYPE, SEE SPEC	
	FLOOR OUTLET (TYPE AS SPECIFIED)	
	SINGLE POLE SWITCH	4'-0"
	TWO POLE SWITCH	4'-0"
	THREE WAY SWITCH	4'-0"
	FOUR WAY SWITCH	4'-0"
	KEY OPERATED SWITCH	4'-0"
	MOMENTARY CONTACT SWITCH	4'-0"
	DOOR SWITCH	7'-0"
	DIMMER	4'-0"
	DICTATION OUTLET	
	BELL	
	BUZZER	4'-0"
	CLOCK	
	FIRE ALARM	
	FIRE ALARM MANUAL STATION	4'-0"
	FIRE ALARM AUTOMATIC	
	FIRE ALARM BELL	8'-6"
	FIRE ALARM GONG	8'-6"
	FIRE ALARM HORN	8'-6"
	SMOKE OR IONIZATION DETECTOR	
	MAGNETIC DOOR HOLDER	
	DUCT SMOKE OR IONIZATION DETECTOR	
	GROUND INDICATOR STATION	4'-0"
	INTERCOM OUTLET	4'-0"
	MICROPHONE OUTLET	4'-0"
	NURSES CALL SYSTEM OUTLETS	
	PHYSIOLOGICAL MONITORING OUTLET	
	PROJECTOR OUTLET	
	SELECTOR SWITCH	4'-0"
	SPEAKER OUTLET	
	TELEPHONE/INTERCOM UNIT	4'-0"
	TELEPHONE OUTLET (IN INDICATES WALL MTD. AT 4'-0")	
	TV ANTENNA SYSTEM OUTLET	
	CLOSED CIRCUIT TV OUTLET	
	CARBONIC MONITOR ALARM	
	JUNCTION BOX - CEILING MTD. - FLUSH MTD. - CAST WALL MTD.	
	MANUAL MOTOR STARTER SWITCH - SURFACE MTD.	4'-0"
	THERMOSTAT	4'-0"
	PUSHBUTTON	
	COMBINATION DOOR STARTER	
	RELAY	
	PILOT LIGHT	
	BRACKET SYMBOL INDICATES ALL DEVICES ON ONE PLATE	
	MOTOR STARTER SWITCH	4'-0"
	SAFETY SWITCH	
	MOTOR STARTER	
	COMBINATION DOOR STARTER	
	POWER OR DISTRIBUTION CABINET	
	120 VOLT LIGHTING AND RECEPTACLE PANELBOARD	
	277 VOLT LIGHTING PANELBOARD	
	TERMINAL CABINET	
	ANNUNCIATOR	
	MOTOR NO FUSERS TO SCHEDULE	
	ELECTRICAL NOTE SYMBOL - SEE NOTE SCHEDULE ON SAME DRAWING.	
	CONDUIT: INSTALLED EXPOSED OR CONCEALED AS SPECIFIED	
	CONDUIT INSTALLED IN SLAB OR BELOW FLOOR SLAB	
	CONDUIT: INSTALLED EXPOSED	
	CONDUIT STUB	
	CONDUIT (C) CAPPED (B) BUSHED	
	CONDUIT DOWN	
	CONDUIT UP	
	HOME RUN: INDICATES GROUNDING WIRE (GND) — PANELBOARD NO. PWR SHOWN AS CKT NOS. — CIRCUIT NUMBERS — WHERE CIRCUIT DESIGNATION IS A TWO WIRE CIRCUIT, ANY UNMARKED NUMBER NOT SHOWN IS INDICATED AS A SPARE CIRCUIT — EXISTING CONDUIT RUN	

ELECTRICAL SYMBOLS NOTES

1. FOR MORE DETAILED INFORMATION REGARDING MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS NOT SHOWN ON THE ARCHITECTURAL ELEVATIONS, REFER TO NOTES ON THE DRAWINGS, OR OF THE SPECIFICATIONS.
2. MOUNTING HEIGHTS NOT LISTED, ARE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
3. ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE FROM FINISHED FLOOR, UNLESS HEIGHTS INDICATED ARE TO TOP OF BOX. ELEVATIONS ARE DESCRIBED AS CEILING MOUNTING HEIGHTS LISTED ABOVE.
4. EXTENT OF EQUIPMENT OR SYSTEM TYPE, SEE SPEC
5. SHADED LIGHTS INDICATE CONNECTION TO THE LIFE SAFETY BRANCH, AND CROSS HATCHED LIGHTS INDICATED CONNECTED TO THE CRITICAL BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEMS.
6. BOTTED SYMBOLS INDICATE EXISTING DEVICES.
7. [illegible]
8. ALL SYMBOLS ARE AS OFFERED ON THIS SHEET, UNLESS OTHERWISE INDICATED.

PETER KIEWIT SONS' CO.

FAIRBANKS ALASKA

RECOMMENDED: [illegible] CONTRACTOR'S R.E.

APPROVED: OWNER'S R.E.

DATE:

AS-BLT

ELECTRICAL LIGHTING, POWER AND SIGNAL LEVEL 1 (LOWER) AND LEVEL 1 FLOOR PLAN

JOB NO: 7313-734
DATE: 6-27-74

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

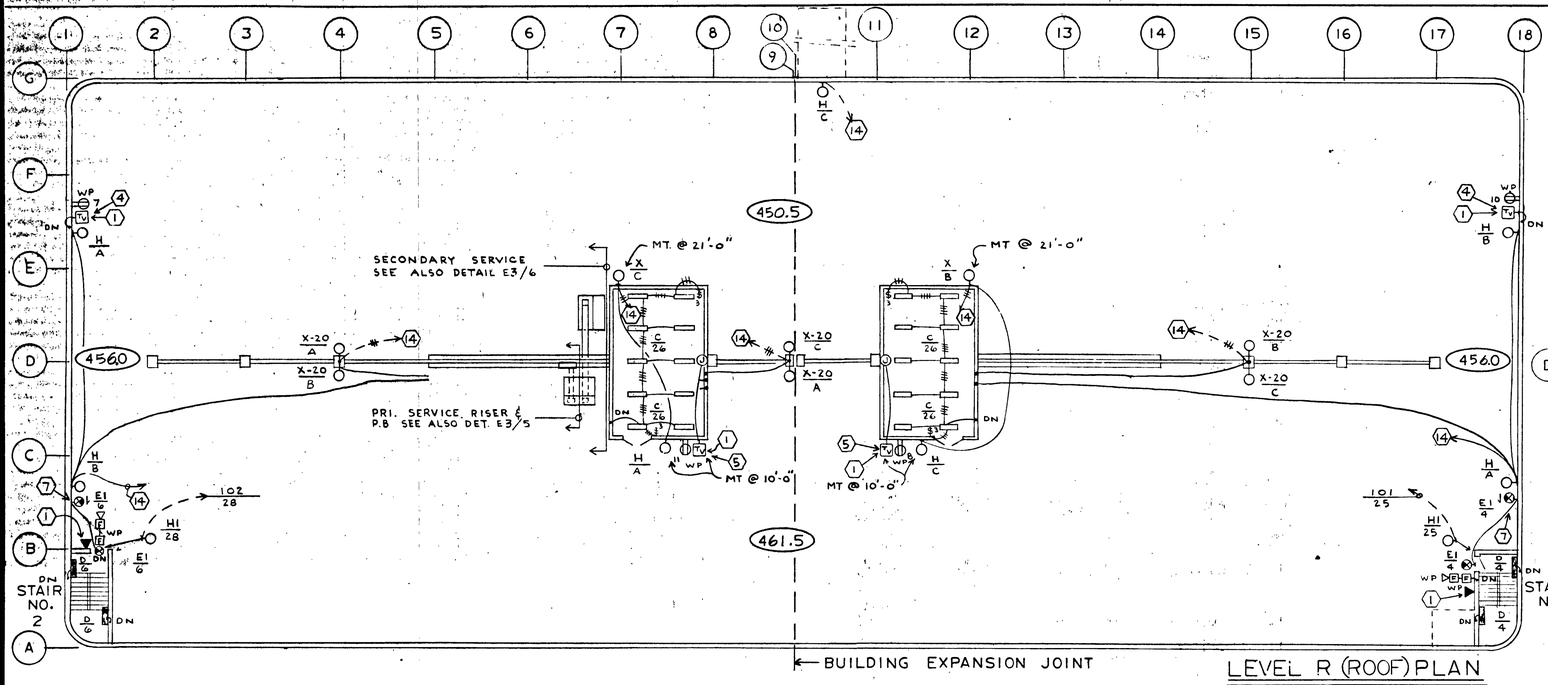
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FAIRBANKS, AK.

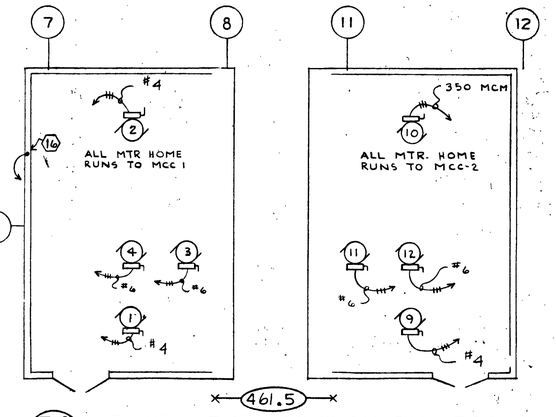
STATE OF ALASKA 49TH ROBERT E. LOVGREN 3560-E PROFESSIONAL ENGINEER

E1

SHEET 46 OF 49



LEVEL R (ROOF) PLAN
FUTURE 3RD LEVEL

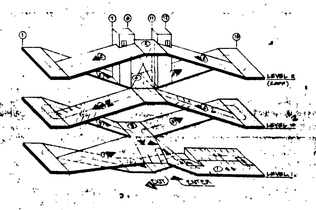


E2/1 ROOF LEVEL MECHANICAL ROOMS
SEE ALSO ROOF PLAN SCALE 1/8" = 1'-0"

ELECTRICAL NOTES CONTINUED

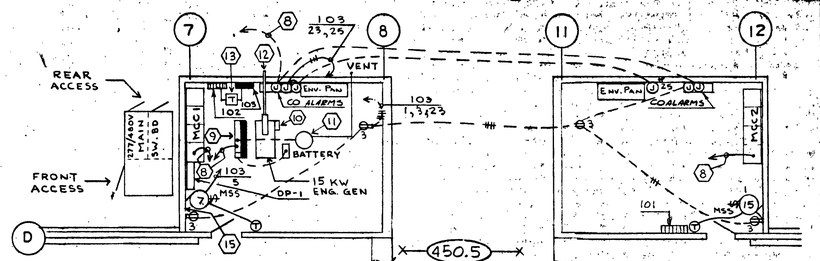
(9) JUNCTION BOX NEAR CEILING RUN 1"ø EMT CONDUIT UP TO PANEL 1C1 FOR FUTURE PROVIDE LIGHTING.

(10) 200 WATT 120V HOT WATER HEATER, RUN 3/4" - 2 # 10 TO PANEL 1C1.

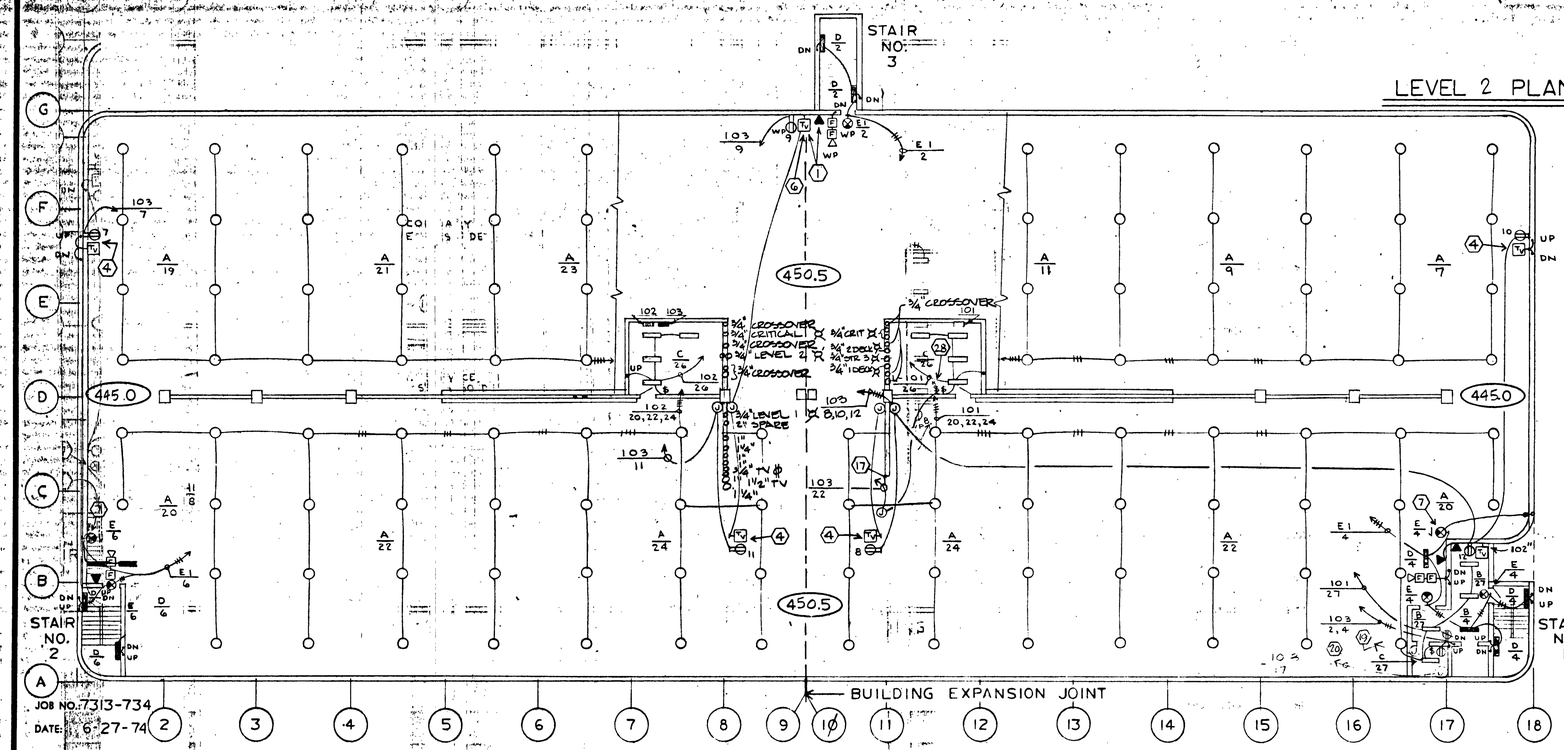


ELECTRICAL NOTES

(1) PROVIDE BLANK WEATHER PROOF COVER.
(2) OMITTED
(3) OMITTED
(4) INSTALL OUTLET IN FACE OF BEAM RUN CONDUIT IN COLUMN OR SHEAR WALL MOUNT AT 8'-6"
(5) INSTALL CAST, FD TYPE SURFACE OUTLET ON METAL PANEL WALL.
(6) INSTALL OUTLET IN FACE OF COLUMN RUN CONDUIT IN COLUMN. MOUNT AT 8'-6".
(7) EXIT LIGHT TO BE MOUNTED ON FACE OF BEAM.
(8) 1/2" - 2# 12 DOWN TO ANNUNCIATOR RELAY PANEL IN LOWER MECHANICAL ROOM.
(9) PROVIDE FLOOR MOUNTED, UNISTRUT FRAME TO MOUNT AUTOMATIC TRANSFER SWITCH, PANELS E1 & E2, TRANSFORMER AND BATTERY CHARGER.
(10) PROVIDE DEFLECTOR ON COOLING AIR DUCT TO DEFLECT HOT AIR UP.
(11) FUEL TANK, CONNECT UP FLOAT SWITCH FOR ALARM.
(12) PROVIDE THIMBLE FOR EXHAUST PIPE THROUGH WALL.
(13) PROVIDE ANGLE IRON FRAME TO SUPPORT TRANSFORMER FROM BUILDING STRUCTURE.
(14) 3/4" - 3# 10 TO OUTDOOR LIGHTING CONTROL (SEE E4/8 FOR WIRING DETAIL.)
(15) LIGHTING CONTROL CONTACTOR.
(16) PHOTO ELECTRIC CELL FOR OUTDOOR LIGHTING CONTROL MOUNT ON 1" CONDUIT STEM 24" ABOVE ROOF AND RUN 3/4" - 3# 12 TO CONTACTOR BELOW.
(17) 120 VOLT CONNECTION FOR SIGN ILLUMINATION.
(18) KEY SWITCH FOR SIGN ENGRAVE PLATE "SIGN"



E2/2 LEVEL 2 MECHANICAL ROOMS
SEE ALSO LEVEL 2 PLAN SCALE 1/8"=1'-0"



LEVEL 2 PLAN

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
RECOMMENDED: APPROVED:
CONTRACTOR'S REP. OWNER'S REP.
DATE: AS-BLT

ELECTRICAL LIGHTING, POWER AND SIGNAL
LEVEL 2 AND LEVEL R (ROOF) FLOOR PLANS

GRAY ROGERS MYERS & MORGAN
A DIVISION OF ELLERBE

JOB NO. 7313-734
DATE: 6-27-74

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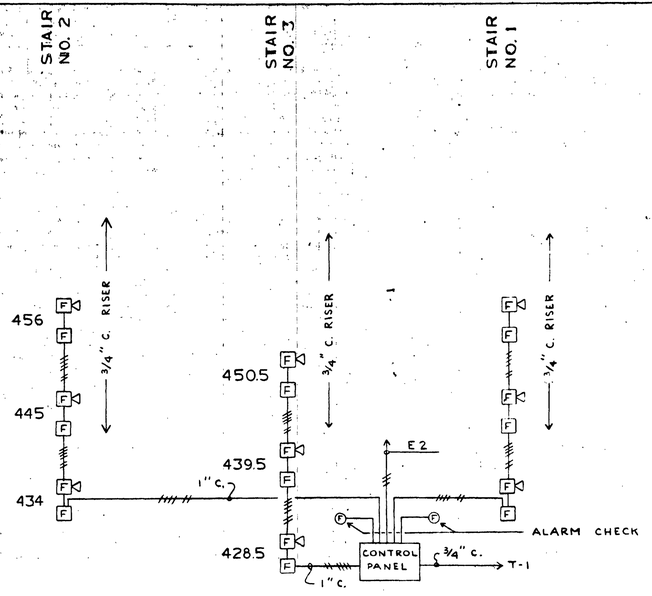
FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

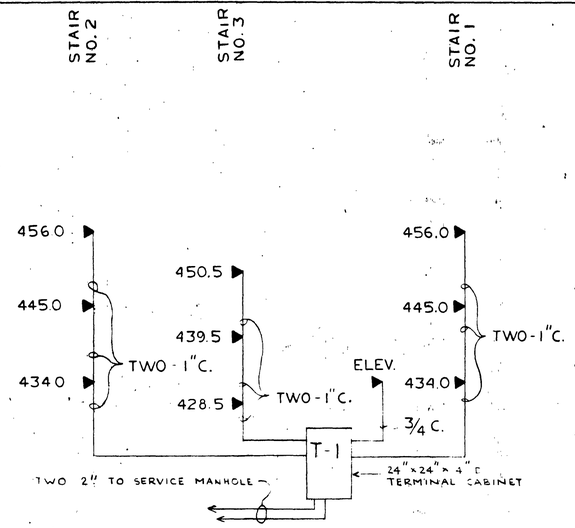
FAIRBANKS, AK.

STATE OF ALASKA 49TH ROBERT E. LOVDAHL 3500-E PROFESSIONAL ENGINEER

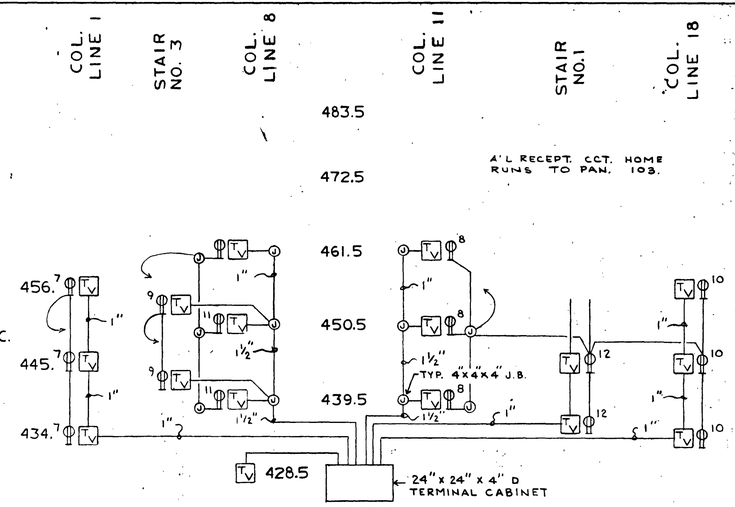
E2



E3/3 FIRE ALARM RISER



E3/2 TELEPHONE RISER

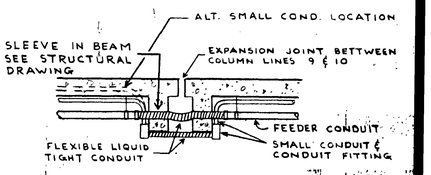


E3/1 RISER FOR CLOSED CIRCUIT TV

NOTE: ALL CONDUIT 3/4" UNLESS SHOWN OTHERWISE

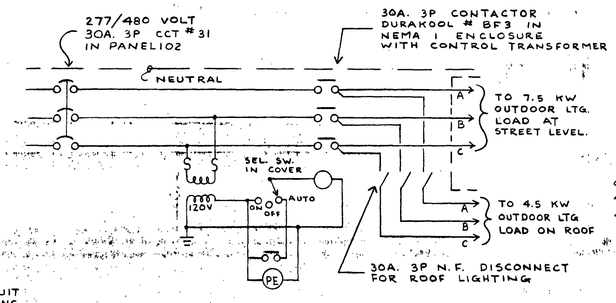
GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

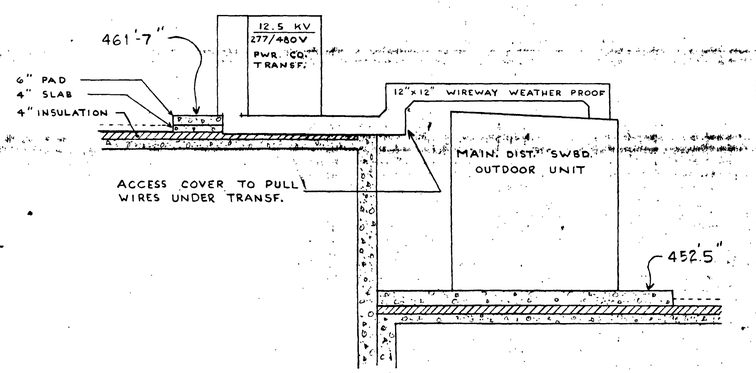


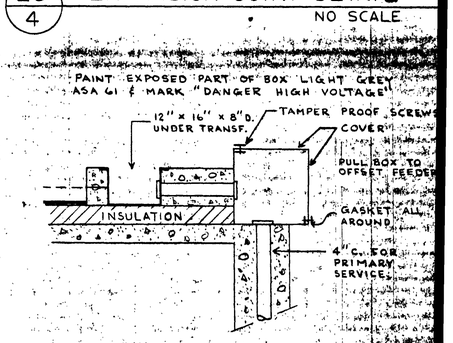
E3/4 EXPANSION JOINT DETAIL

NO SCALE



E3/8 DETAIL - OUTDOOR LIGHTING WIRING



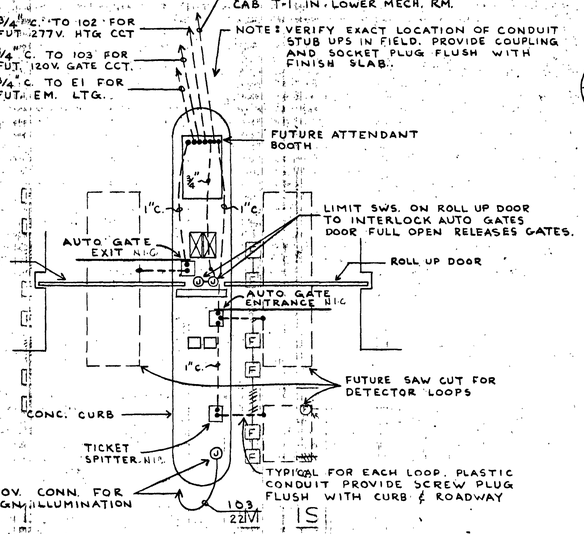


E3/6 DETAIL - SECONDARY SERVICE

NO SCALE

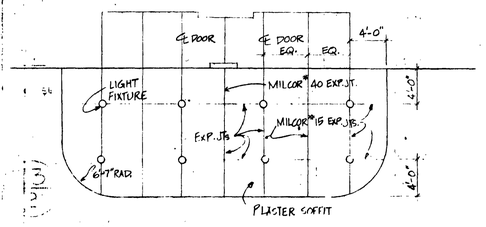
E3/5 DETAIL - PRIMARY SERVICE

NO SCALE



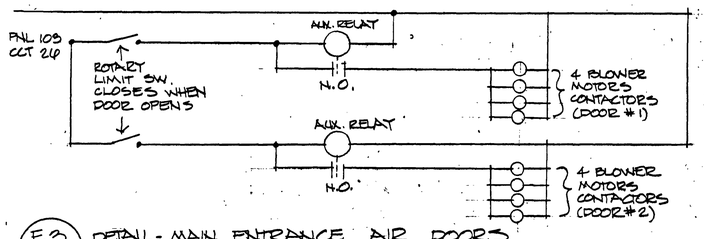
E3/7 DETAIL FUTURE PARKING GATE

SEE ARCHITECTUREAL FOR EXACT DIMENSIONS



REFLECTED SOFFIT PLAN - CANOPY

1/8" = 1'-0"



E3/9 DETAIL - MAIN ENTRANCE AIR DOORS

PETER KIEWIT SONS' CO.

FAIRBANKS ALASKA

RECOMMENDED: APPROVED:

DATE: AS-B

ELECTRICAL SIGNAL RISERS AND DETAILS

JOB NO: 7313-734

DATE: 6-27-74

ARCHITECTS • ENGINEERS • SURVEYORS
601 COLLEGE ROAD, FAIRBANKS, ALASKA 99701, PHONE: 452-1241

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

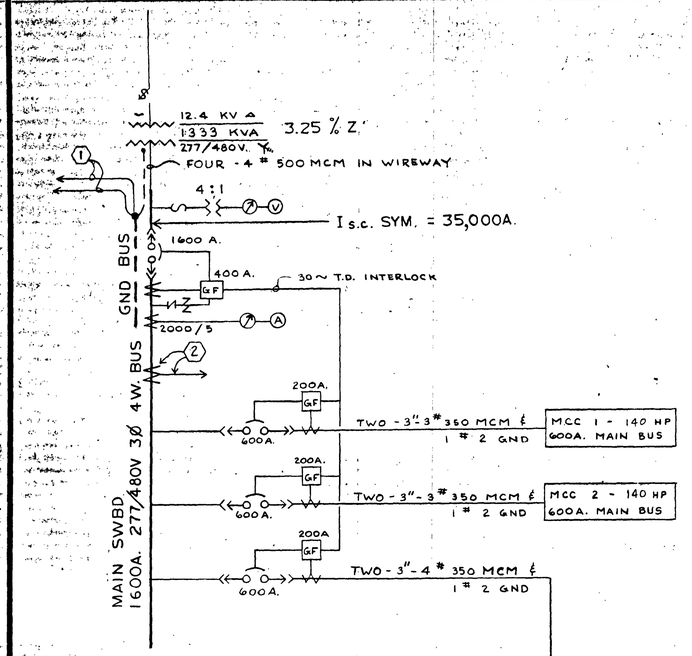
FAIRBANKS, AK.

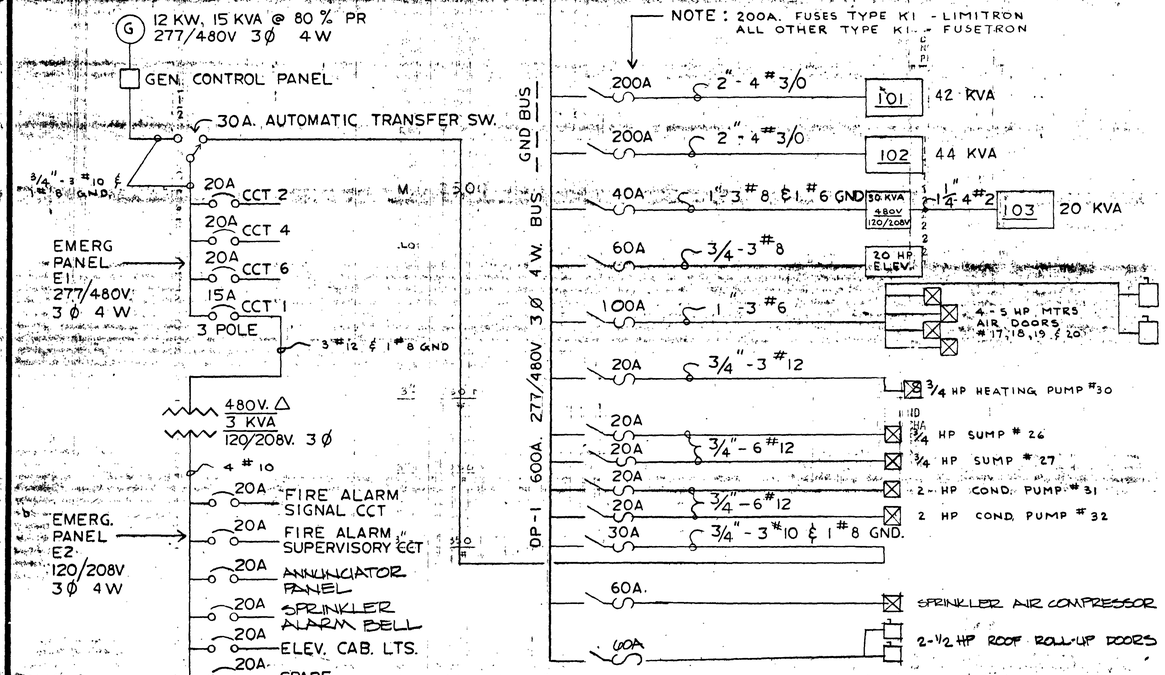
STATE OF ALASKA 49TH HOWARD E. HOVEMAN 3560-E PROFESSIONAL ENGINEER

E3

SHEET 48 OF 49

R 3976





JOB NO. 7315-734
DATE: 6-27-74

E4/1 ONE LINE POWER DIAGRAM

PANELBOARD NO. 1O3
120 / 208 VOLTS 3 PH. 4 WIRE
MOUNTING - SURFACE

CCT. NO. PHASE	SIZE NO. OF POLES	TYPE OF LOAD	WATTS	CCT. NO. PHASE	SIZE NO. OF POLES	TYPE OF LOAD	WATTS
1A	20-1	U.H	500	2A	20-1	REC	1200
3B	20-1	REC	1000	4B	20-1	REC	1200
5C	20-1	U.H	500	6C	20-1	REC	1200
7A	20-1	REC	1200	8A	20-1	REC	1200
9B	20-1	REC	1200	10B	20-1	REC	1200
11C	20-1	REC	1200	12C	20-1	REC	1200
13A	20-1	MTR 2@ 1/2	1000	14A	20-1	C.U.H	500
15B	20-1	C.U.H	400	16B	20-1	C.U.H	300
17C	30-1	E.W.H	2000	18C	20-1	MTR ¼	900
19A	20-1	SPC		20A	20-1	MTR 25	900
21B	20-1	SPC		22B	20-1	SIGN	600
23C	20-1	S.P. HW/WL CONTROL		24C	20-1	SPR	
25A	20-1	H.P. HW/WL CONTROL		26A	20-1	AIR DOOR CONTROL	
27B	20-1	SPR		28B	20-1	SPR	
29C	20-1	HW/WL AIR DRYER		30C	20-1	SPR	
31A	} HONEYWELL COMPRESSOR			32A		SPC	
33B				34B		SPC	
35C				36C		SPC	
37A		SPC		38A		SPC	
39B		SPC		40B		SPC	
41C		SPC		42C		SPC	

PANELBOARD NO. 1O4
277 / 480 VOLTS 3 PH. 4 WIRE
MOUNTING - SURFACE

CCT. NO. PHASE	SIZE NO. OF POLES	TYPE OF LOAD	WATTS	CCT. NO. PHASE	SIZE NO. OF POLES	TYPE OF LOAD	WATTS
1A	20-1	LTG	2400	2A	20-1	LTG	2400
3B	20-1	LTG	3600	4B	20-1	LTG	3600
5C	20-1	LTG	3600	6C	20-1	LTG	3600
7A	20-1	LTG	3600	8A	20-1	SPR	
9B	20-1	LTG	2400	10B	20-1	SPR	
11C	20-1	LTG	3600	12C	20-1	SPR	
13A	20-1	SPR		14A	20-1	SPR	
15B	20-1	SPR		16B	20-1	SPR	
17C	20-1	SPR		18C	20-1	SPR	
19A	20-1	SPR		20A	20-1	LTG	2400
21B	20-1	SPR		22B	20-1	LTG	3600
23C	20-1	SPR		24C	20-1	LTG	3600
25A	20-1	LTG	2400	26A	20-1	LTG	1400
27B	20-1	LTG	1600	28B	20-1	SPR	
29C	20-1	SPR		30C	20-1	SPR	
31A	20-3	OUT-	4000	32A	20-1	SPR	
B	-	SIDE	4000	34B	20-1	SPR	
C	-	LTG	4000	36C	20-1	SPR	
37A	20-1	SPR		38A		SPC	
39B	20-1	SPR		40B		SPC	
41C	20-1	SPR		42C		SPC	

PANELBOARD NO. 1O2
277/480 VOLTS 3 PH. 4 WIRE
MOUNTING - SURFACE

CCT. NO. PHASE	SIZE NO. OF POLES	TYPE OF LOAD	WATTS	CCT. NO. PHASE	SIZE NO. OF POLES	TYPE OF LOAD	WATTS
1A	20-1	LTG	2400	2A	20-1	LTG	2400
3B	20-1	LTG	3600	4B	20-1	LTG	3600
5C	20-1	LTG	3600	6C	20-1	LTG	3600
7A	20-1	LTG	3600	8A	20-1	SPR	
9B	20-1	LTG	2400	10B	20-1	SPR	
11C	20-1	LTG	3600	12C	20-1	SPR	
13A	20-1	SPR		14A	20-1	SPR	
15B	20-1	SPR		16B	20-1	SPR	
17C	20-1	SPR		18C	20-1	SPR	
19A	20-1	SPR		20A	20-1	LTG	2400
21B	20-1	SPR		22B	20-1	LTG	3600
23C	20-1	SPR		24C	20-1	LTG	3600
25A	20-1	LTG	2400	26A	20-1	LTG	1400
27B	20-1	LTG	1600	28B	20-1	LTG	400
29C	20-1	SPR		30C	20-1	SPR	
31A	20-3	OUT-	4000	32A	20-1	SPR	
B	-	SIDE	4000	34B	20-1	SPR	
C	-	LTG	4000	36C	20-1	SPR	
37A	20-1	SPR		38A		SPC	
39B	20-1	SPR		40B		SPC	
41C	20-1	SPR		42C		SPC	

ELECTRICAL NOTES

1. RUN 3/4" 1# 3/0 GROUND WIRE TO COLD WATER PIPE NEAR COLUMN 10-1/2 D IN LOWER MECHANICAL ROOM. RUN 3/4" - 1# 3/0 GROUND WIRE TO GROUND COUNTERPOISE IN FOOTING NEAR COLUMN G-8.
2. POWER COMPANY METERING EQUIPMENT. SEE SPECIFICATIONS 16230 SERVICE CONNECTIONS AND 16332 LOW VOLTAGE SWITCHBOARD.

MOTOR STARTER SCHEDULE

MTR. NO.	MOTOR DESCRIPTION	HP	VOLT	PH.	LOCATION	STARTER SIZE	STARTER LOCATION	CONTROL NOTES
1	SUPPLY FAN SF-1		460	3	N. PH.		MCC 1	11,12,15
2	SUPPLY FAN SF-2		460	3	N. PH.		MCC 1	11,12,15
3	EXHAUST FAN EF-1	30	460	3	N. PH.	3	MCC 1	1,12,13,14
4	EXHAUST FAN EF-2	30	460	3	N. PH.	3	MCC 1	1,12,13,14
7	UNIT HEATER UH-1	1/20	120	1	N. PH.	MSS	ON UNIT	7
8	OMITTED							
9	SUPPLY FAN SF-3		460	3	S PH		MCC 2	11,12,15
10	SUPPLY FAN SF-4		460	3	S PH		MCC 2	11,12,15
11	EXHAUST FAN EF-5	30	460	3	S PH	3	MCC 2	1,12,13,14
12	EXHAUST FAN EF-6	30	460	3	S PH	3	MCC 2	1,12,13,14
15	UNIT HEATER UH-2	1/20	120	1	S PH	MSS	ON UNIT	7
16	GLYCOL MAKE-UP PUMP	1/3	120	1	EQ.RM.	MSS	ON UNIT	
17	AIR DOOR NORTH	5	460	3	ENTRANCE	1	ON UNIT	2,4
18	AIR DOOR NORTH	5	460	3	ENTRANCE	1	ON UNIT	4
19	AIR DOOR SOUTH	5	460	3	ENTRANCE	1	ON UNIT	2,5
20	AIR DOOR SOUTH	5	460	3	ENTRANCE	1	ON UNIT	5
21	OMITTED							
22	AIR COMP. SPRINKLER		480	3	EQ. RM.		ON UNIT	8
25	SUMP PUMP SP-1	1/3	120	1	EQ.RM.	MSS	ON UNIT	10
26	SUMP PUMP SP-2	3/4	460	3	EQ.RM.	1	EQ.RM.	1,9
27	SUMP PUMP SP-3	3/4	460	3	EQ.RM.	1	EQ.RM.	1,9
28	UNIT HEATER UH-3	1/20	120	1	EQ.RM.	MSS	ON UNIT	7
29	UNIT HEATER UH-4	1/20	120	1	EQ.RM.	MSS	ON UNIT	7
30	HEATING PUMP CP-2	1/2	460	3	EQ.RM.	1	EQ.RM.	1,6
31	CONDENSATE PUMP	2	460	3	EQ.RM.	1	EQ.RM.	1,9
32	CONDENSATE PUMP	2	460	3	EQ.RM.	1	EQ.RM.	1,9

1. PROVIDE HAND-OFF-AUTO SELECTOR SWITCH AND PILOT IN STARTER COVER.
2. PROVIDE REMOTE HAND-OFF-AUTO SELECTOR SWITCH AND PILOT.
3. START-STOP PUSH BUTTON AND PILOT IN STARTER COVER.
4. INTERLOCK MOTOR 18 TO RUN WITH MOTOR 17. CONNECT LIMIT SWITCH IN ROLL UP DOOR TO START MOTOR 17 IN AUTO POSITION.
5. INTERLOCK MOTOR 20 TO RUN WITH MOTOR 19. CONNECT LIMIT SWITCH IN ROLL UP DOOR TO START MOTOR 19 IN AUTO POSITION.
6. CONNECT UP THERMOSTAT TO CONTROL MOTOR IN AUTO POSITION.
7. CONNECT UP THERMOSTAT AND AQUASTAT TO CONTROL MOTOR, SEE SPECIFICATION 16622.
8. CONNECT UP PRESSURE SWITCH TO CONTROL UNIT.
9. MECHANICAL ALTERNATOR AND FLOAT SWITCHES FURNISHED AND INSTALLED ON EQUIPMENT UNDER DIVISION 15. CONNECT UP ALTERNATOR AND FLOAT SWITCHES TO CONTROL MOTOR IN AUTO POSITION. ALSO CONNECT UP ADDITIONAL FLOAT SWITCH TO ALARM ANNUNCIATOR.
10. CONNECT UP FLOAT SWITCH TO CONTROL MOTOR.
11. PROVIDE ON-OFF SELECTOR SWITCH IN STARTER COVER.
12. PROVIDE TIME DELAYS TO PREVENT SIMULTANEOUS STARTING OF 4-100 HP AND 8-30 HP MOTORS AFTER A POWER FAILURE. TIME DELAY RELAYS SHALL BE ADJUSTED IN 10 SECOND STEPS TO PERMIT MOTORS TO START IN THE FOLLOWING ORDER: 3, 11, 4, 12, 5, 13, 6, 14, 1, 9, 2, 10.
13. CONNECT UP CARBON MONOXIDE DETECTOR CONTACTS TO START MOTOR IN AUTO POSITION.
14. PROVIDE TIME DELAY TO PROVIDE 5 MINUTE MINIMUM RUN TIME AFTER CONTROL CIRCUIT IS DEENERGIZED.
15. PROVIDE N.C. AUXILIARY CONTACT FOR VENTILATION FAILURE ALARM.

LIGHTING FIXTURE SCHEDULE

TYPE LETTER	MOUNTING	DESCRIPTION	MANUFACTURER	NOTE
A	SUSPENDED	CLOSE SWIVEL SUSPENDED FIXTURE FOR 1-150 WATT III PRESSURE SODIUM LAMP GE-LU150/BU	HOLOPHANE # 906-55-277	1,3
B	RECESSED	1 X 4, 2 LAMP, 40 WATT, FLUORESCENT WITH ACRYLIC LENS K-12.	SEE NOTE	1,7
C	SUSPENDED	STRIP FIXTURE FOR ONE 40 WATT FLUORESCENT LAMP. BAKED WHITE ENAMEL FINISH.	GLOBE 1201-4R	1,5
D	SURFACE	2-40 WATT FLUORESCENT LAMPS, WRAP AROUND OPAL, LEXAN PLASTIC DIFFUSER.	MARCO #1143	1,4
E	AS INDICATED	EXIT LIGHT FIXTURE WITH MULTIPLE LONG LIFE BULBS, METAL STENCIL, 6" LETTERS, DOWN LIGHT ARROWS AS INDICATED.	MILLER PATHFINDER PRESCOLITE THIN-LINE	1,2
ET	AS INDICATED	SAME AS "E" EXCEPT WEATHERPROOF CONSTRUCTION		
F	RECESSED	WEATHERPROOF DOWN LIGHT FOR ONE 150 WATT GE LU150/BU LAMP. TAMPER PROOF SCREWS, FRESNEL LENS.	MARCO # MRT33-756-LU	
G	SURFACE	VAPOR TIGHT FOR 100W LAMP WITH GLASS GLOBE & SHOCK RESISTING SOCKET WITH CAST JUNCTION BOX.	MILLER #AC1060SR STEBER VB150SR	
H	SURFACE	WALL BRACKET FOR ONE 150 WATT GE LU150/BU LAMP WITH TOP SHIELD.	HOLOPHANE # 600LU	
HT	SURFACE	SAME AS "H" EXCEPT WITH PHOTO-ELECTRIC CONTROL.		
I	OMITTED			
J	SURFACE	WALL BRACKET FOR ONE 150 WATT INCANDESCENT LAMP.	HOLOPHANE # 400	

NOTES:
1. FIXTURE SHALL HAVE 277 VOLT BALLAST.
2. THE NUMBER OF FACES, LOCATION OF FACES, AND DIRECTIONAL ARROWS ARE INDICATED ON THE DRAWINGS.
3. FIXTURE SHALL HAVE WIRE GUARD.
4. FIXTURE SHALL HAVE TAMPER PROOF SCREWS.
5. CHAIN SUSPEND FIXTURE TO CLEAR MECHANICAL EQUIPMENT. PROVIDE 2 WIRE PLUS GROUND HEAVY DUTY TYPE S CORD CONNECTION TO CEILING OUTLET.
6. IF GE LU150/BU LAMP AND BALLAST NOT AVAILABLE IN FIXTURE AT TIME OF INSTALLATION, PROVIDE 250 WATT METAL HALIDE LAMP AND CW BALLAST OR PROVIDE A SUBSTITUTE FIXTURE APPROVED BY THE ARCHITECT.
7. TROFFER FIXTURES SHALL BE SUITABLE FOR RECESSING INTO CEILING TYPES AS INDICATED IN THE ROOM FINISH SCHEDULE AND VERIFIED BY THE CONTRACTOR BEFORE ORDERING. FIXTURE SHALL HAVE STURDY FRAMED DIFFUSER PANELS FOR HINGING ON EITHER SIDE AND WITH UNOBTRUSIVE POSITIVE CATCHES, LENS HOLDERS DESIGNED FOR MINIMUM STRAIN ON THE DIFFUSER, ALL METAL PARTS BONDERIZED AGAINST CORROSION AND FINISHED IN A DURABLE WHITE BAKED ENAMEL. FIXTURES SHALL BE ALL ONE MANUFACTURE AND SHALL BE AS MANUFACTURED BY DAYBRITE, MILLER, LIGHTOLIER, GLOBE.

K		2 - 100 WATT LAMPS 12" x 12" x 5"	KENALL # 3800

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
RECOMMENDED: CONTRACTOR'S REP. — APPROVED: OWNER'S REP.
DATE: AS-BLT

GRAY ROGERS MYERS & MORGAN
A DIVISION OF ELLERBE

ELECTRICAL - PANELBOARD SCHEDULES, ONE LINE DIAGRAM, MISCELLANEOUS

ARCHITECTS • ENGINEERS • SURVEYORS
601 COLLEGE ROAD, FAIRBANKS, ALASKA 99701, PHONE: 452-1241

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

STATE OF ALASKA 49TH ROBERT E. LOVEDAY 3500-E PROFESSIONAL ENGINEER

E4

SHEET 40 OF 42

M.U.S. BUILDING

FIRE AND POLICE STATION

SEVENTH AVE.

FIFTH AVE.

BARNETTE STREET

EXISTING 8" W&P SEWER TO REMAIN

CONNECT NEW 4" STEAM AND 2" C. TO EXIST. 3" S. AND 1½ C. & 3" STEAM APPROXIMATE 434.8'

EXISTING 6" STEEL WATER LINE TO REMAIN

NEW 6" GATE VALVE AND VALVE BOX

RISE AND CONNECT NEW 6" WATER TO EXISTING. PROVIDE BLOCKING & TIE RODS.

3" S AND 1½" C TO BE ABANDONED

EXISTING 6" WATER LINE TO BE ABANDONED

NEW 6" WATER

CUT EXIST. 6" WATER LINE. CONNECT NEW 6" ELBOW AND DROP NEW LINE TO ELEV. 425'-0". PROVIDE BLOCKING & TIE RODS.

REMOVE EXISTING 8" CONCRETE SEWER AND REPLACE W/NEW 8" C.I. PIPE SEE SHEET M-10 FOR CONNECTIONS. SEWAGE SYSTEM TO BE KEPT IN SERVICE DURING THE REPLACEMENT OF THE EXISTING SEWER LINE.

EXISTING HYDRANT I.E. 424-10 3/8 (VERIFY)

EXISTING 8" CONCRETE SEWER TO REMAIN

NEW 8" C.I. STORM SEWER CONNECT TO EXIST. C.B.

EXISTING C.B. TO REMAIN

EXISTING STEAM MANHOLE

SIMILAR BUT WITHOUT INTERVAL DRAINS

8 M-2

NEW LOCATION OF 4" STEAM AND 2" COND. LINES BUT

NEW MAIN TAPS

E4" STEAM APPROX. 434.25

I.E. 424-2 1/4 (VERIFY)

4"S 2"C

6" S 8" C.

EXISTING STEAM AND CONDENSATE TO BE ABANDONED AFTER NEW SERVICE IS IN OPERATION

DISCONNECT EXISTING AND CAP

BOTTOM OF ELECTRICAL DUCT APPROXIMATE 428'-9" IN THIS AREA

ABANDONED SEWER

EXISTING TELEPHONE DUCT

NEW ELECT. DUCT BY CITY IN 1974 (N.I.C.)

NEW 6" STEAM AND 3" CONDENSATE CONNECT TO EXIST. STUBS @ M.H.

APPROX. 92 L.F. SEWER JUNCTION INSULATION

PARKING STRUCTURE

PLOT PLAN

SCALE 1" = 20'-0"

NOTE: BLOCKING ALSO REQUIRED AT END OF LINES

ANY ANGLE

CONCRETE BLOCKING

UNDISTURBED BANK MINIMUM OF 4 SQ FEET BEARING AREA

BLOCKING 1 M-1

NO SCALE

GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

MECHANICAL SYMBOLS & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
	A	Ampere		HPS	High Pressure Steam
	AAV	Auto Air Vent		HV	Hot Water (Domestic)
	AD	Area Drain		HWR	Heating Water Return
	AHU	Air Handling Unit		HWS	Heating Water Supply
	ATC	Atmospheric		HWT	Hot Water Tank
	AP	Access Panel			
	AV	Auto Revolving Vent		IE	Invert Elevation
	AV	Manual (Cold) Air Vent		IPS	Iron Pipe Size
	AW	Acid Waste			
	AWS	Auto Sprinkler		L	Lavatory
	BC	Balancing Cock		LT	Leaving (Medium) Temperature
	BD	Boiler Drain		LP	Louvered Penthouse
	BDD	Back Draft Damper		LPG	Liquified Petroleum Gas
	BW	Back Water Valve		LPS	Low Pressure Steam
				LWCO	Low Water Cutoff
	C	Condensate Return			
	CA	Combustion Air		MAX	Maximum
	CC	Cooling Coil		MIN	Minimum
	CD	Ceiling Diffuser		MO	Motor Operated
	CFM	Cubic Feet per Minute		MSB	Map Service Basin
	CHW	Circulating Hot Water (domestic)			
	CI	Cast Iron Soil, Waste, or Vent Pipe		NC	Normally Closed
	COR	Check Valve		NO	Normally Open
	CL	Center Line		NIC	Not in Contract
	CLG	Ceiling		NTS	Not to Mechanical Contract
	CO	Clean Out			
	Conn.	Connector		OA	Outside Air
	CP	Circulating Pump		OH	Overhead
	CUH	Cabinet Unit Heater			
	CU	Condensing Unit			
	CWP	Chilled Water Pump		P	Plumbing System
	Cv	Valve Coefficient		PD	Plumbing Drains
	CW	Cold Water		PRV	Pressure Reducing Valve
	CWR	Cooling Water Return		PW	Potable Water
	CWS	Cooling Water Supply		PWH	Pumped Water Head
				PWT	Pumped Water Tank
	DF	Drinking Fountain			
	DG	Door Grille		RA	Return Air
	DIM	Dimension		RD	Roof Drain
	DN	Down		REG	Register
	DS	Duct Smoke Detector		RET	Return Grille
	DW	Dishwasher		RL	Refrigerant Liquid
				RS	Refrigerant Suction
	EA	Each			
	EC	Electric Contactor		SA	Supply Air
	EF	Exhaust Fan		SD	Smoke Detector
	EL	Elevation		SHT	Sheet
	EWH	Electric Water Heater		SIM	Similar
	EWC	Electric Water Cooler		SPEC	Specification
	EXH	Exhaust		SPR	Sprinkler
				SS	Stainless Steel
	FA	Fresh Air		STD	Standard
	FAI	Fresh Air Intake		STL	Steel
	FD	Floor Drain		STR	Strainer
	FE	Fire Extinguisher		SV	Safety Valve
	FH	Fire Hydrant		SW	Soil, Waste, or Vent Pipe
	FL	Fire Line		SWR	Sewer
	FOR	Fuel Oil Return			
	FOS	Fuel Oil Supply		T	Thermostat
	FT	Float & Thermostatic Trap		TC	Temperature Control
	FU	Fin Tube Radiation		TD	Temperature Difference
				TEL	Telephone
	GC	General Contractor		TG	Transfer Grille
	GI	Galvanized Iron		TP	Trapped Vacuum
	GV	Globe Valve		TW	Tempered Hot Water
	GA	Gate Valve			
	GR	Gravity		UH	Unit Heater
				UV	Univent
	HC	Handicapped			
	HD	Hose Bibb		V	Vent
	HG	Heating Coil		VAV	Variable Air Volume
	HGR	Heating Glycol Return		VD	Volume Damper
	HGS	Heating Glycol Supply		VP	Vent Pipe
				VTR	Vent Through Roof

PLOT PLAN

JOB NO.

DATE: 6-07-74

ARCHITECTS • ENGINEERS • SURVEYORS
1601 COLLEGE ROAD FAIRBANKS, ALASKA 99701, PHONE: 452-1241

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.

FAIRBANKS, ALASKA

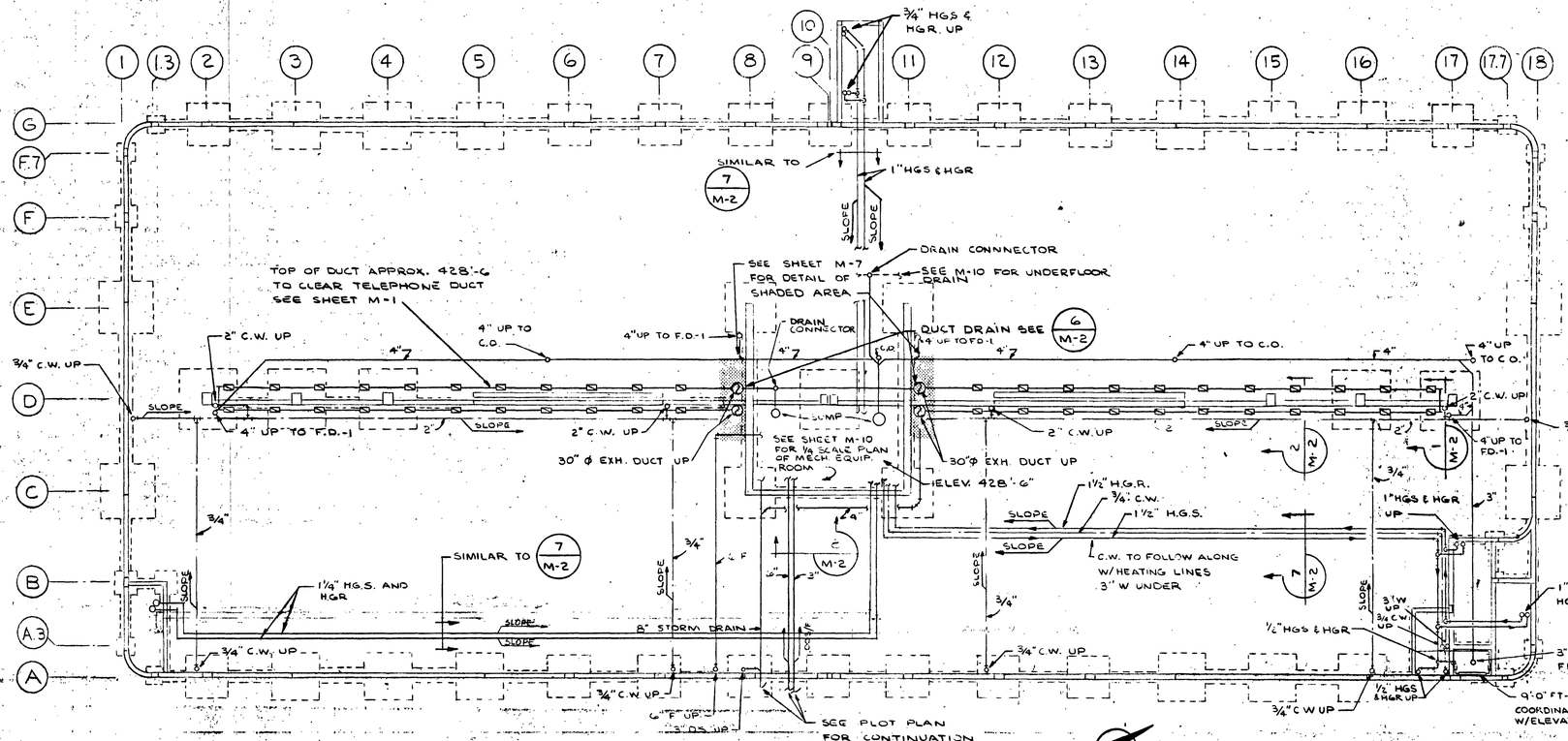
RECOMMENDED: W. Hoople CONTRACTOR'S R.E.

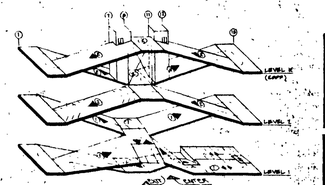
APPROVED: OWNER'S R.E.

DATE: AS-BLT

M-1

SHEET 36 OF 49

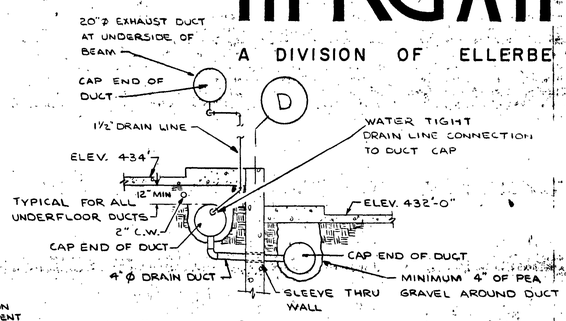


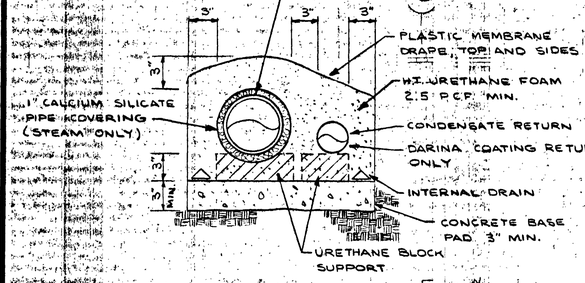


KEY PLAN
NO SCALE

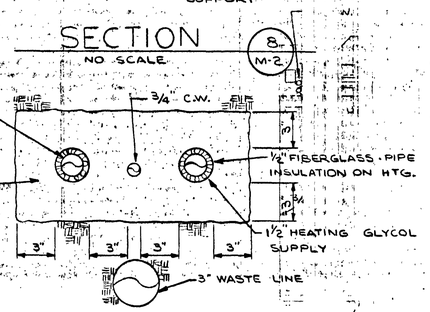
GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

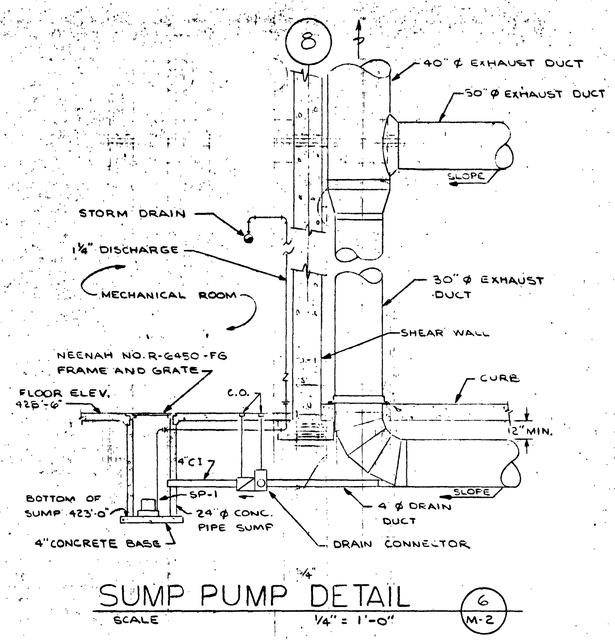




SECTION
NO SCALE
8/M-2



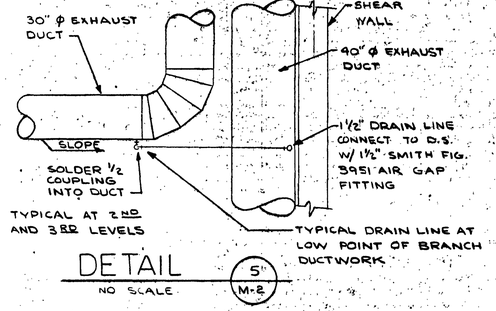
SECTION
NO SCALE
7/M-2



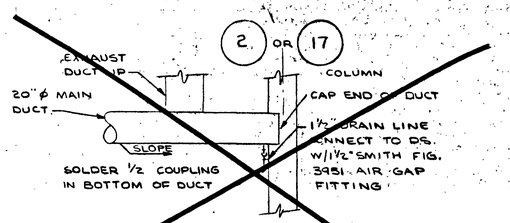
SUMP PUMP DETAIL
SCALE 1/4" = 1'-0"
6/M-2

FOUNDATION PLAN
SCALE 1/16" = 1'-0"

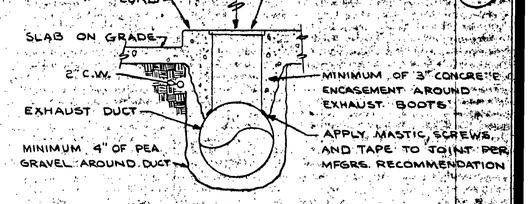
SECTION
SCALE 1/4" = 1'-0"
1/M-2



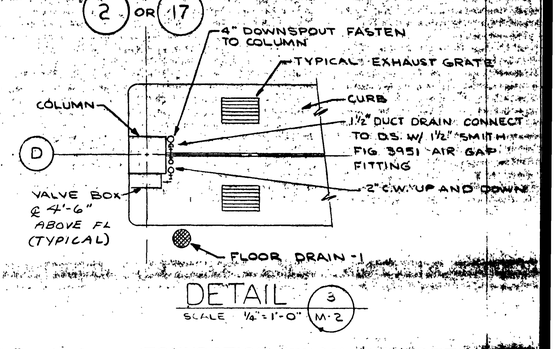
DETAIL
NO SCALE
5"
M-2



DETAIL
NO SCALE
4/M-2 △



SECTION AT EXHAUST BOOT
SCALE 1/2" = 1'-0"
2/M-2



DETAIL
SCALE 1/2" = 1'-0"
3/M-2

FOUNDATION PLAN AND DETAILS

JOB NO.
DATE: 6-27-74

ARCHITECTS • ENGINEERS • SURVEYORS
601 COLLEGE ROAD, FAIRBANKS, ALASKA 99701, PHONE: 452-1248

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

STATE OF ALASKA 49TH — NO. 1722-E — REGISTERED PROFESSIONAL ENGINEER

FAIRBANKS PARKING STRUCTURE

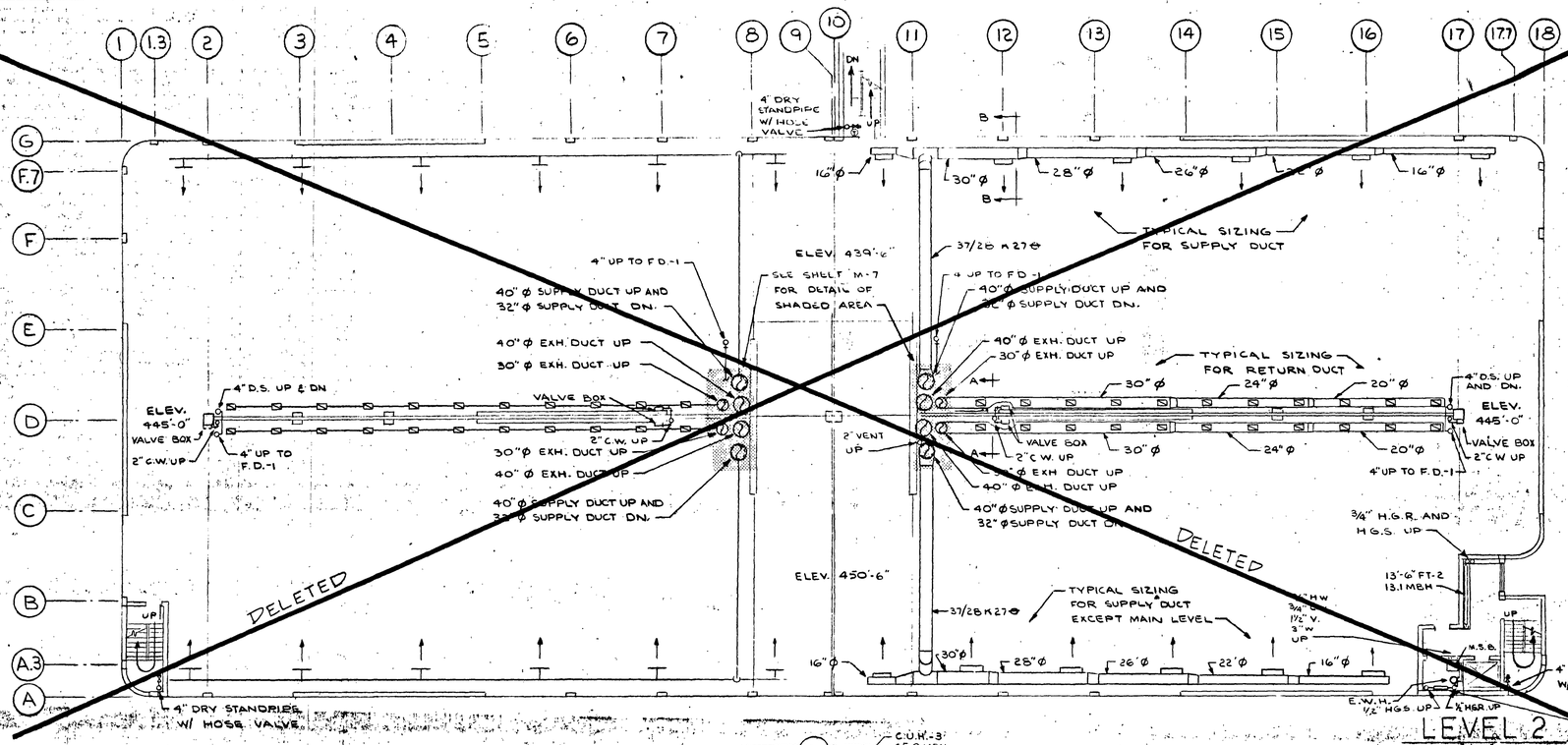
DBA - 2 - 0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
CONTRACTOR
DATE
OWNERS REP.
AS-BLT

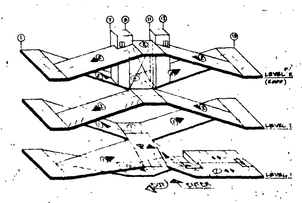
M-2

SHEET 37 OF 149



LEVEL 2

SCALE 1/16"=1'-0"

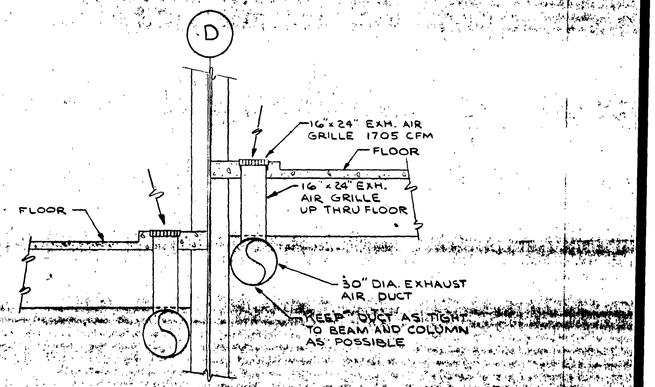


KEY PLAN

NO SCALE

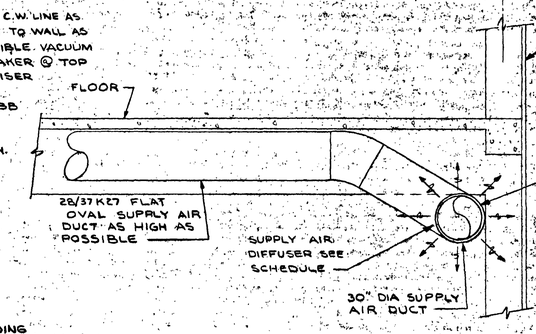
GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE



SECTION A-A

NO SCALE

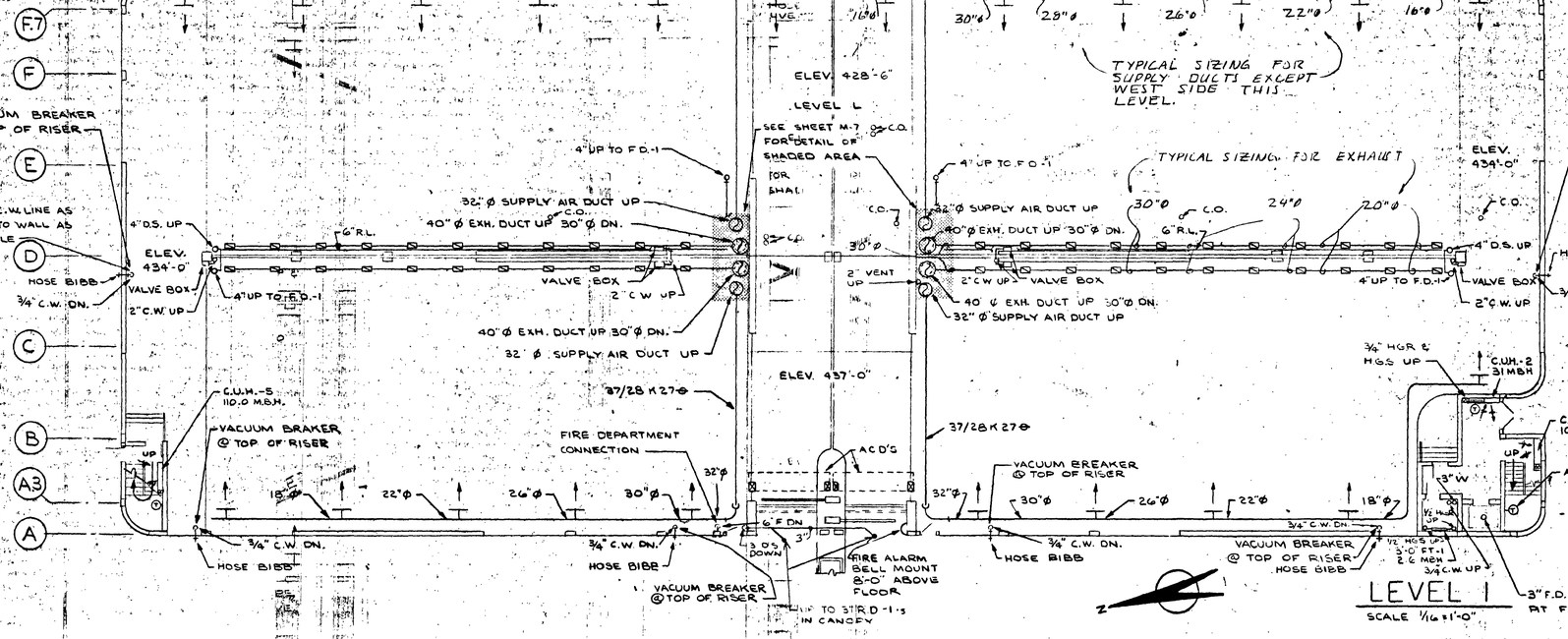


SECTION B-B

NO SCALE

DIFFUSER SCHEDULE

DUCT SIZE	DIFFUSER LEN
32"ø	16"
30"ø	17"
28"ø	18"
26"ø	19"
24"ø	21"
22"ø	23"
18"ø	28"
16"ø	31"



LEVEL 1

SCALE 1/16"=1'-0"

LEVEL 1 PLAN, AND DETAILS

ARCHITECTS ▪ ENGINEERS ▪ SURVEYORS

601 COLLEGE ROAD, FAIRBANKS, ALASKA 99701, PHONE: 452-1241

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

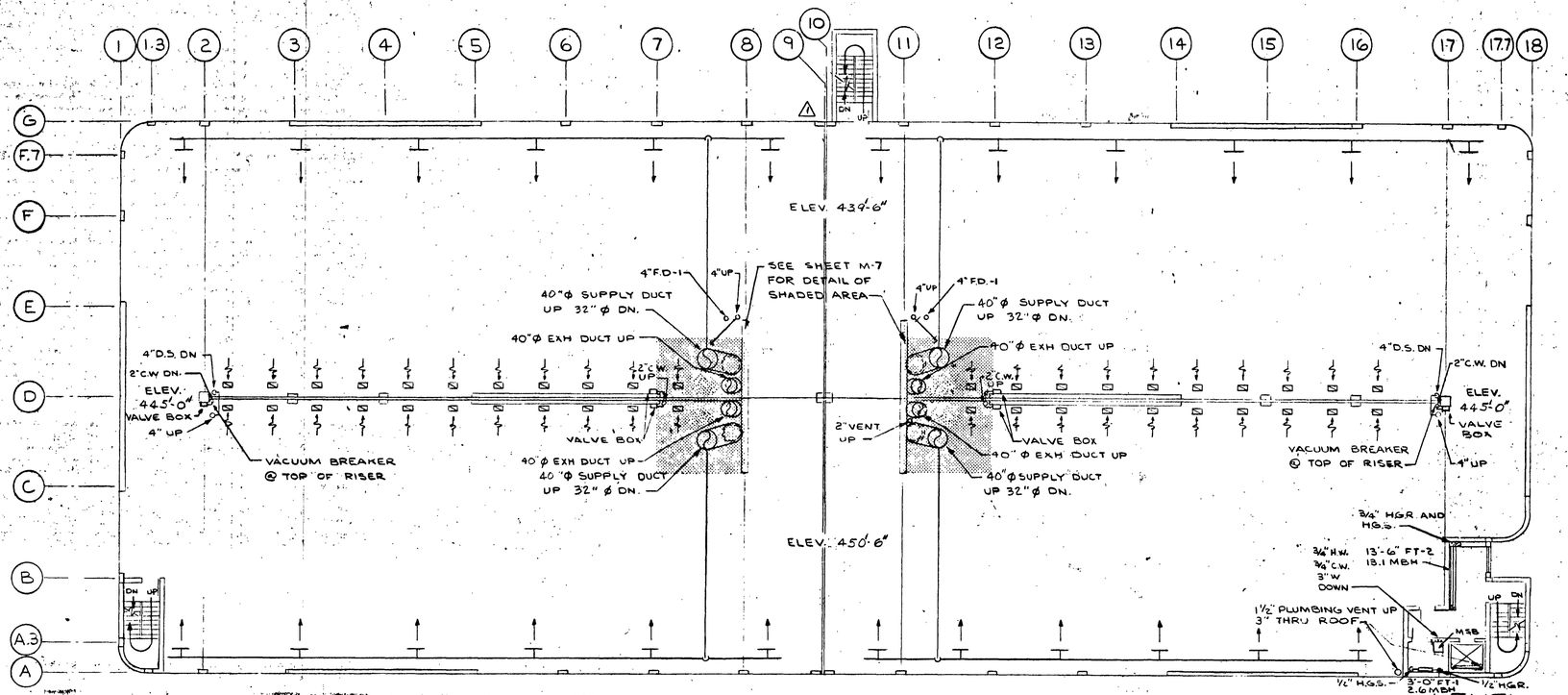
FAIRBANKS, AK.

PETER YIEWIT SONS' CO.
FAIRBANKS, ALASKA
COMMITTED: APPROVED:
DATE: AS-BLT

M-3

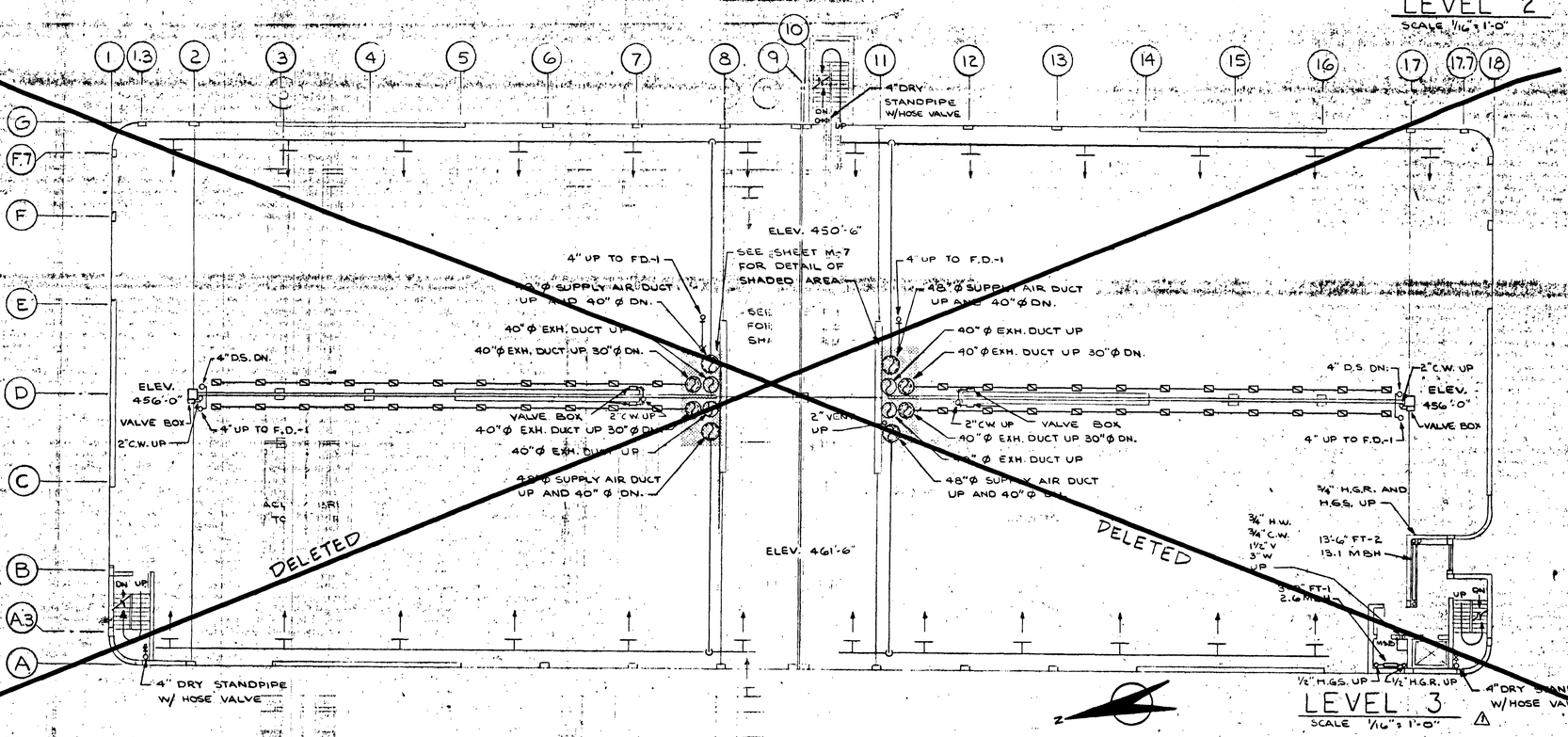
SHEET 38 OF

JOB NO.
DATE:



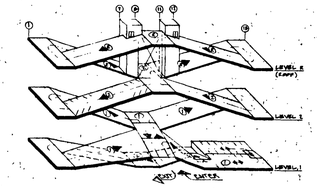
LEVEL 2

SCALE 1/16" = 1'-0"



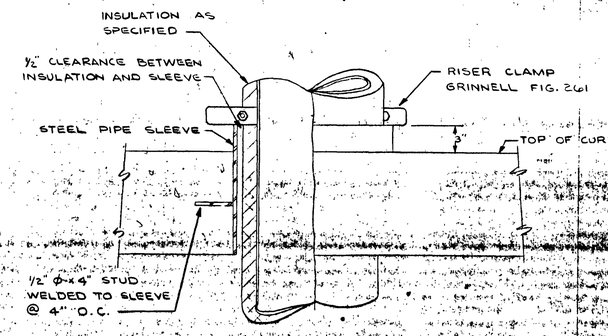
LEVEL 3

SCALE 1/16" = 1'-0"



KEY PLAN

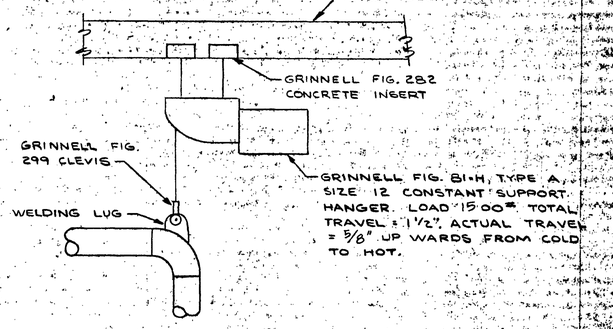
NO SCALE



RISER SLEEVE AND SUPPORT

NO SCALE

M-4



STEAM LINE SUPPORT

NO SCALE

2 M-4

GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

JOB NO.

DATE 12-27-74

ARCHITECTS • ENGINEERS • SURVEYORS

601 COLLEGE ROAD, FAIRBANKS, ALASKA 99701, PHONE: 452-1241

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

LEVEL 2 PLAN, AND DETAILS

PETER KIEWIT SONS' CO.

FAIRBANKS ALASKA

ECO.

J. Hoople CONTRACTOR

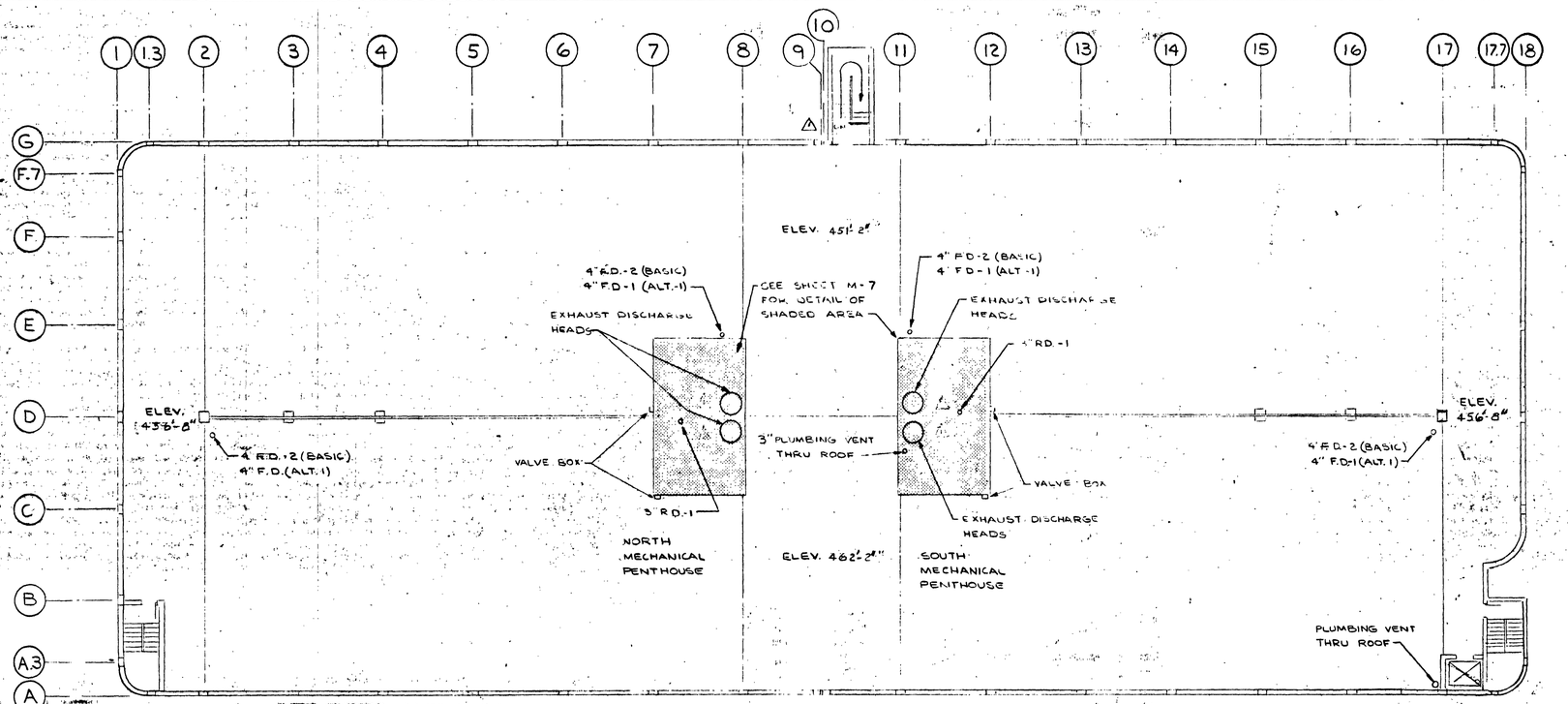
OWNER'S REP.

DATE

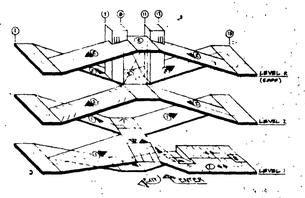
AS-BLT

M-4

SHEET 39 OF 4

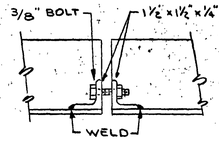


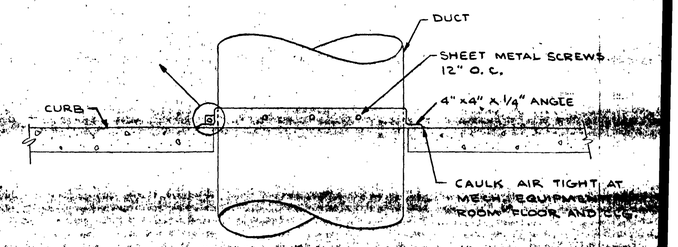
LEVEL R
SCALE 1/16"=1'-0"

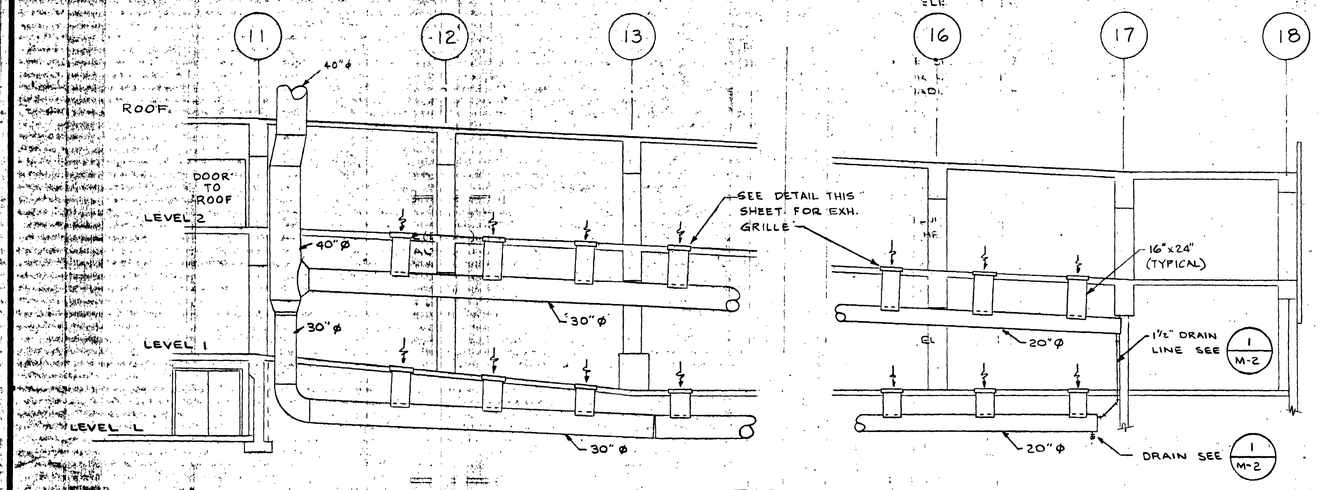


KEY PLAN
NO SCALE

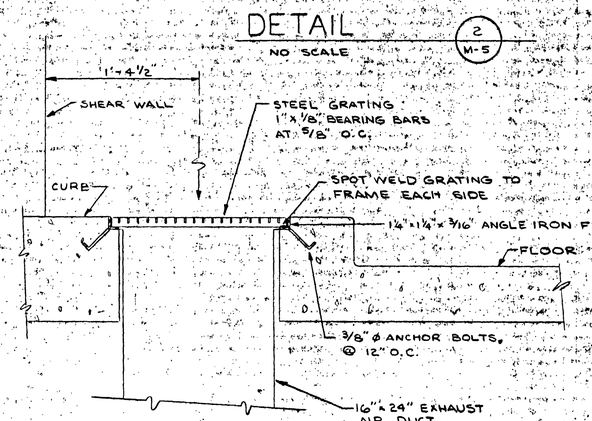
GRAY ROGERS MYERS & MORGAN
A DIVISION OF ELLERBE







ELEVATION
NO SCALE
3/M-5



DETAIL
NO SCALE
2/M-5

NOTE: 8 x 12 GRILLES IN SHEAR WALLS @ LOWER LEVEL SIMILAR.

DETAIL
SCALE 1½"=1'-0"
1/M-5

JOB NO.
DATE: 6-27-74

LEVEL R PLAN, AND DETAILS

ARCHITECTS • ENGINEERS • SURVEYORS
601 COLLEGE ROAD, FAIRBANKS, ALASKA 99701, PHONE: 452-1241

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

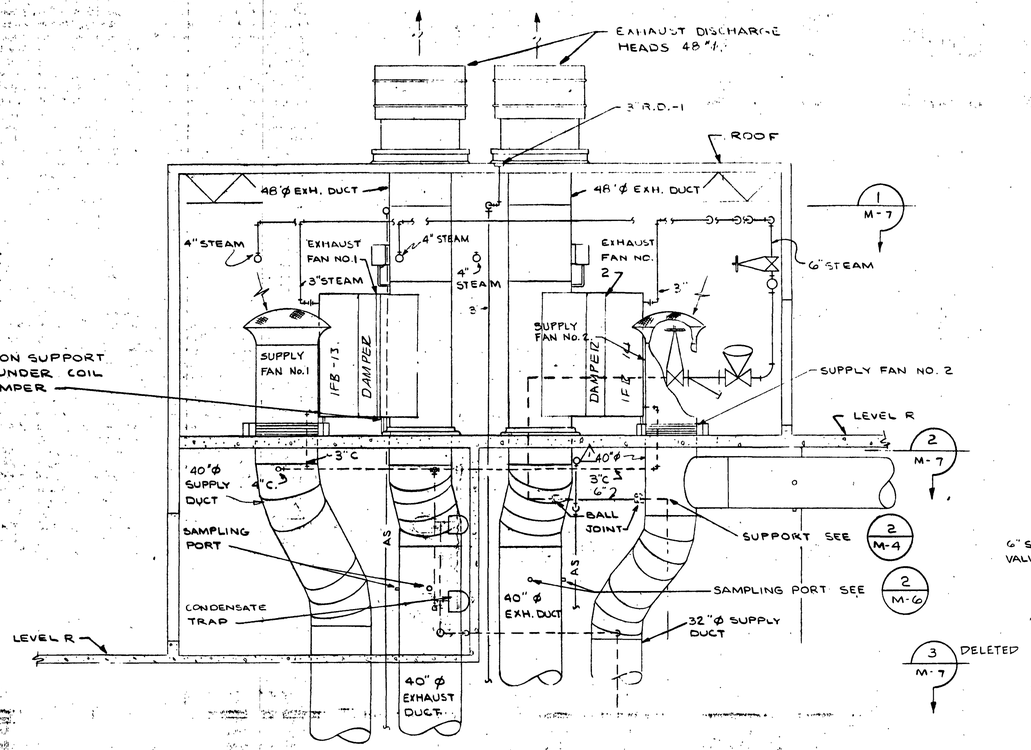
DBA-2-0130

FAIRBANKS, AK.

BYER PIGOTT CARR CO.
FAIRBANKS ALASKA
RECOMMENDED APPROVED
DATE:
AS-BLT

M-5

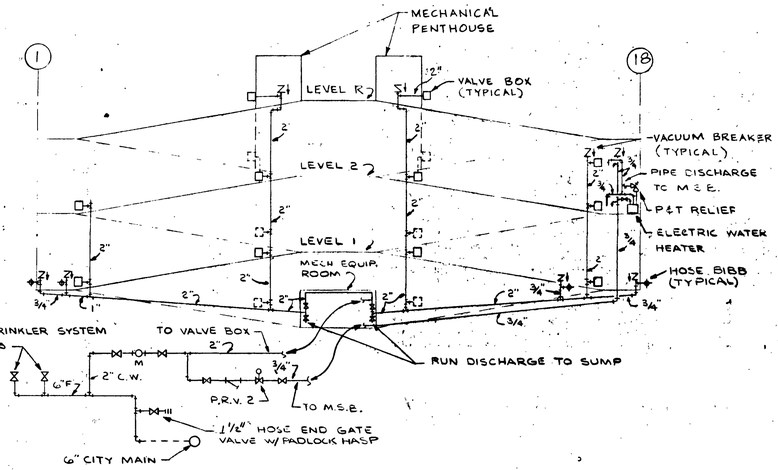
SHEET 40 OF 49



ELEVATION

SCALE 1/4"=1'-0"

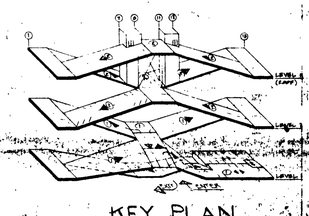
1 M-6



WATER RISER DIAGRAM

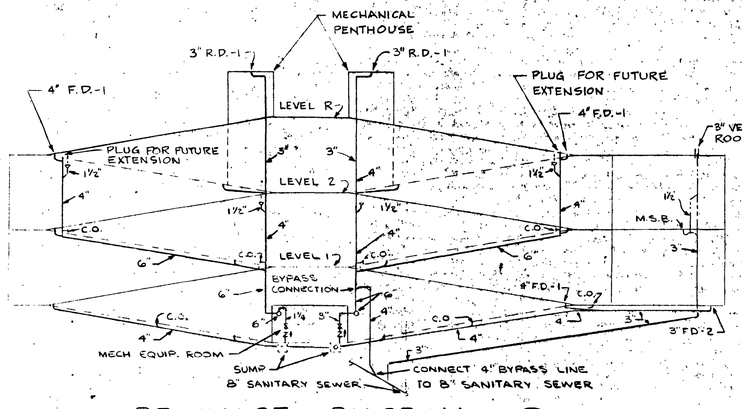
NO SCALE

3 M-6



KEY PLAN

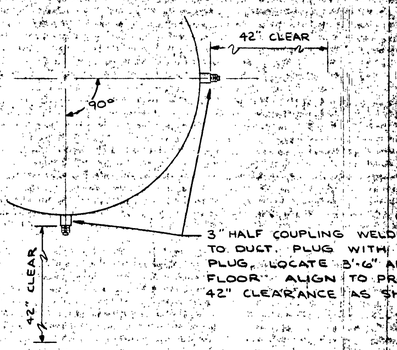
NO SCALE



DRAINAGE DIAGRAM

NO SCALE

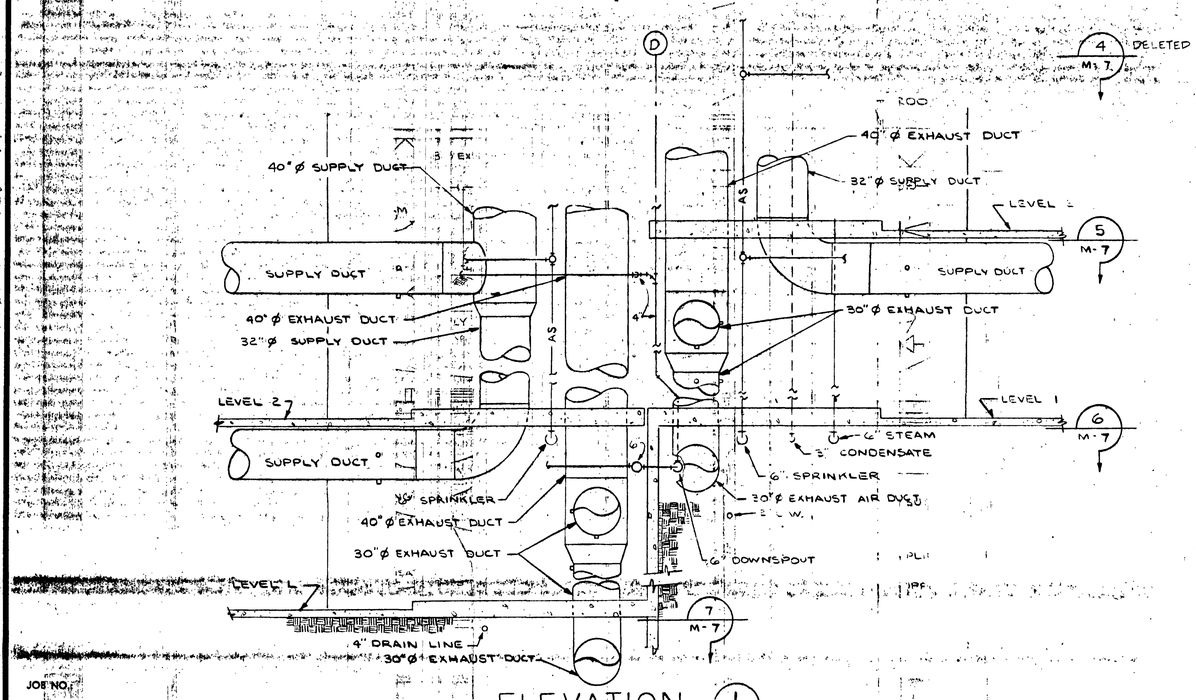
4 M-6



SAMPLE PORT

NO SCALE

2 M-6



JOB NO.

DATE: 6-27-74

GRAY ROGERS MYERS & MORGAN

A DIVISION OF ELLERBE

ARCHITECTS • ENGINEERS • SURVEYORS

601 COLLEGE ROAD, FAIRBANKS, ALASKA 99701, PHONE: 452-1241

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.

FAIRBANKS ALASKA

APPROVED:

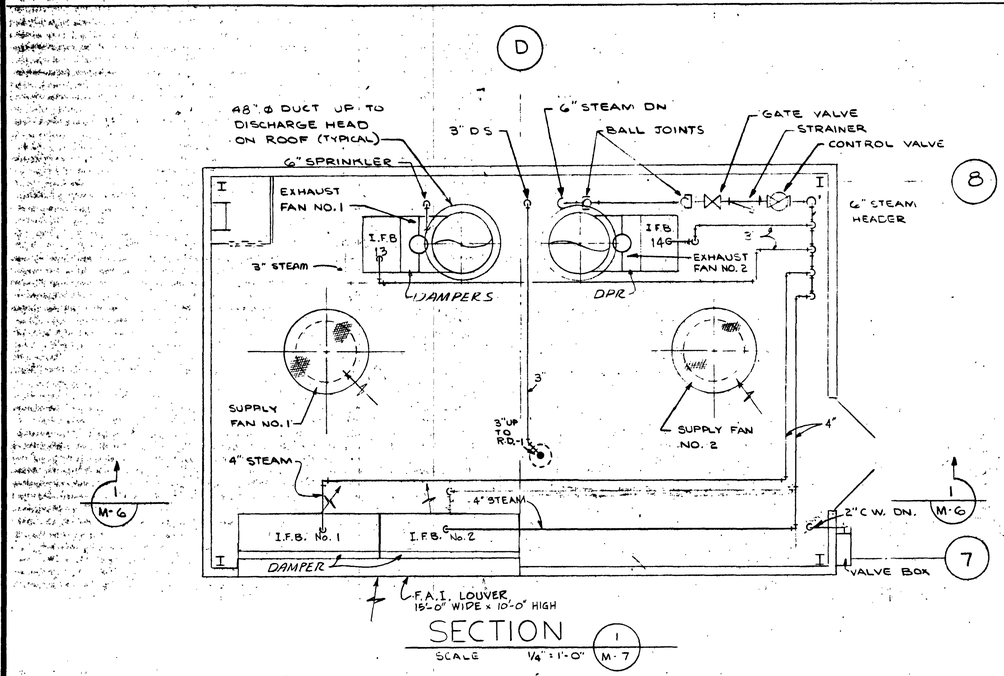
DATE:

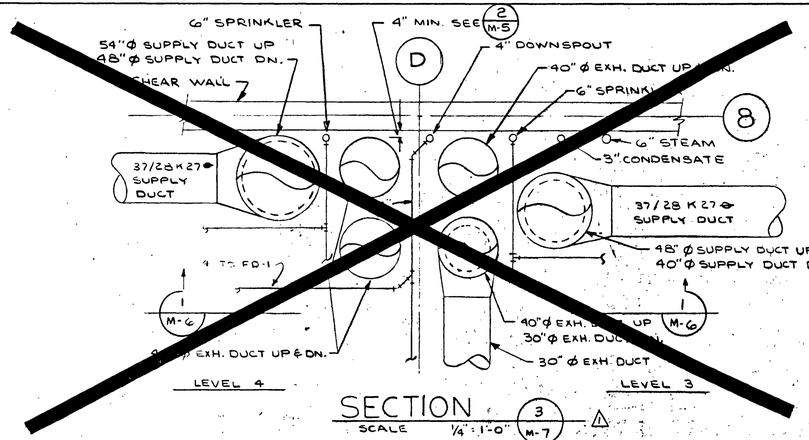
AS-BLT

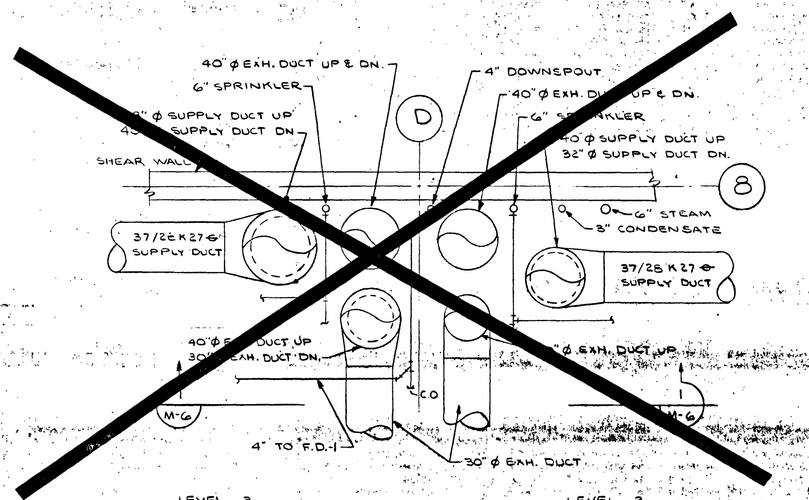
DETAILS

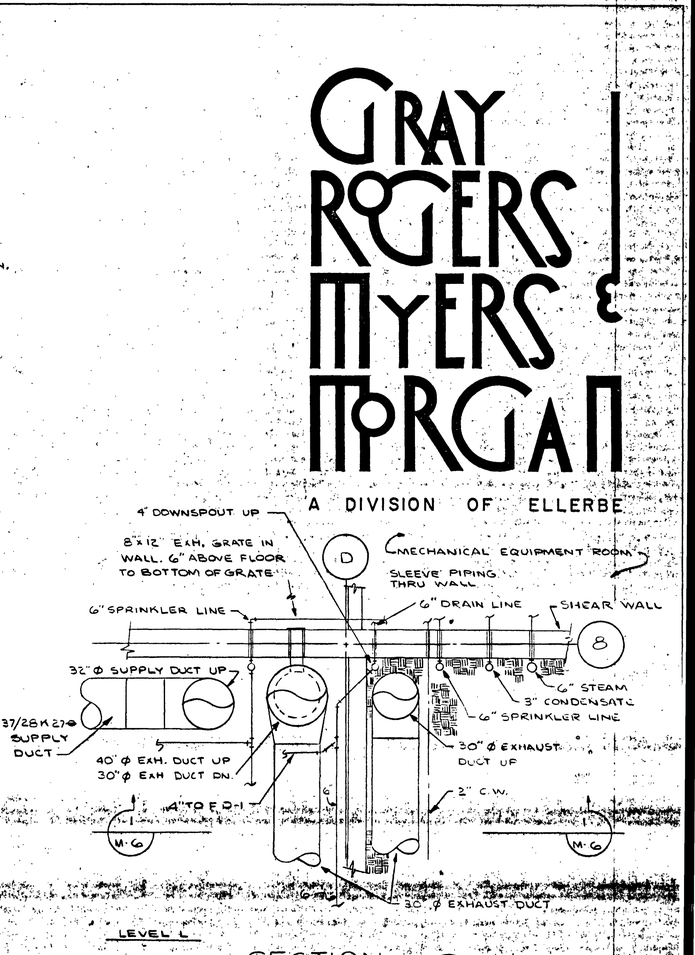
M-6

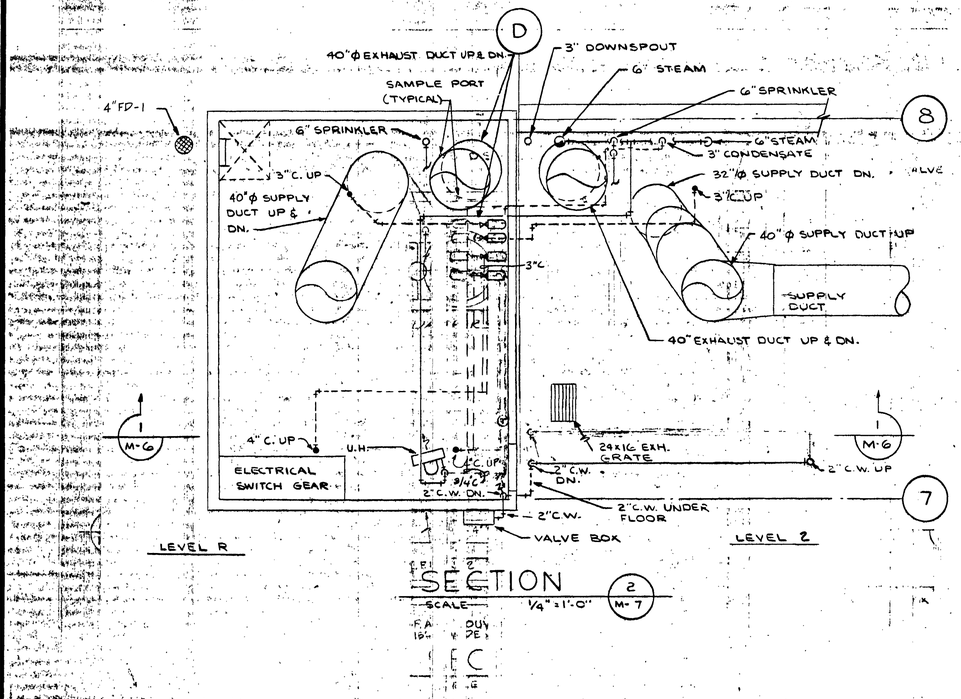
SHEET 41 OF 49

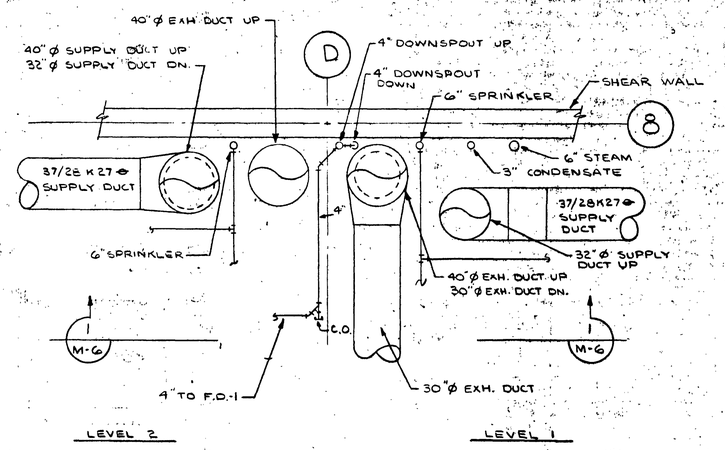


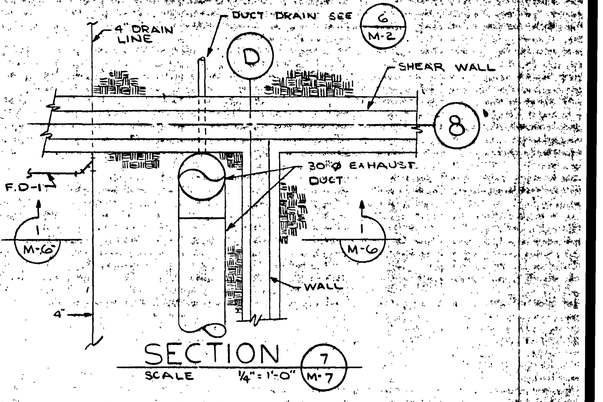












NOTE: PLAN @ COL LINE 11 IS MIRROR IMAGE ABOUT COL LINE 9.10.

SECTIONS

JOB NO.
DATE 6-74

ARCHITECTS • ENGINEERS • SURVEYORS
601 COLLEGE ROAD, FAIRBANKS, ALASKA 99701, PHONE: 452-1241

STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

STATE OF ALASKA — 19TH — WILLIAM A. STOUT — NO. 1722-E — REGISTERED PROFESSIONAL ENGINEER

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

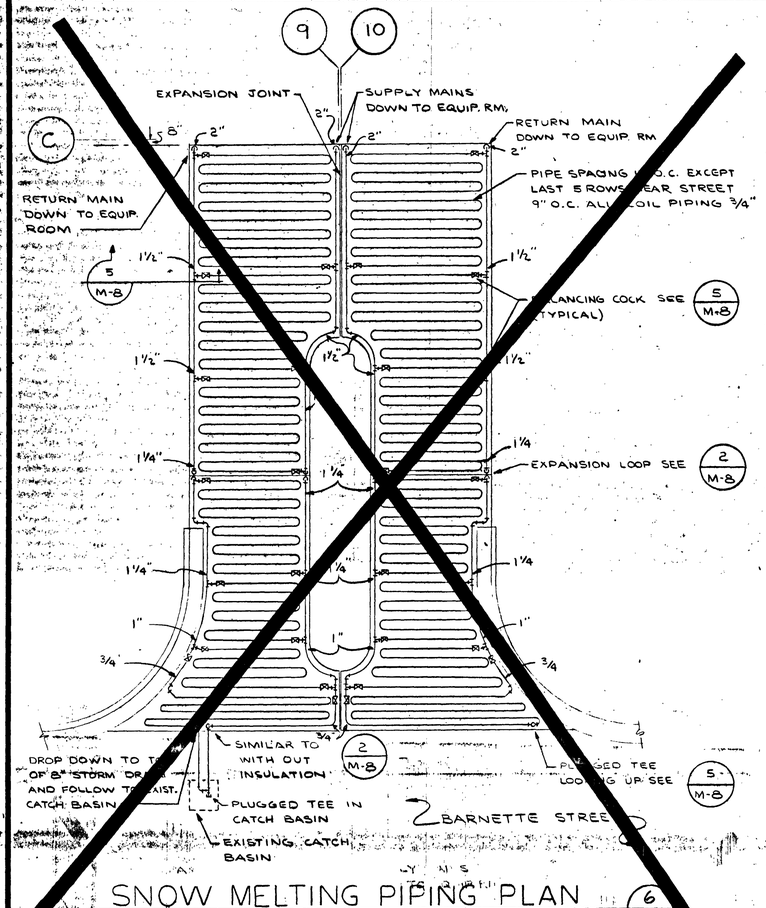
FAIRBANKS, AK.

GRAY ROGERS MYERS & MORGAN
A DIVISION OF ELLERBE

PETER KIEWIT SONS' CO.
ANCHORAGE, ALASKA
APPROVED
OWNER'S REP.
AS-BLT

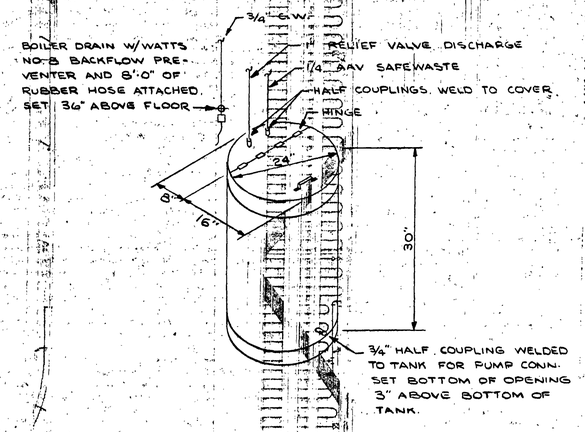
M-7

SHEET 42 OF 49



SNOW MELTING PIPING PLAN (6/M-8)

SCALE 1/8" = 1'-0"



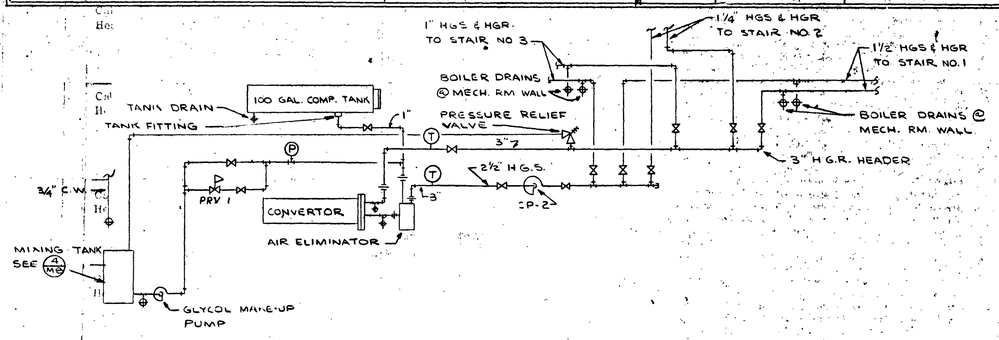
GLYCOL MIXING TANK (4/M-8)

NO SCALE

MECHANICAL EQUIPMENT SCHEDULE

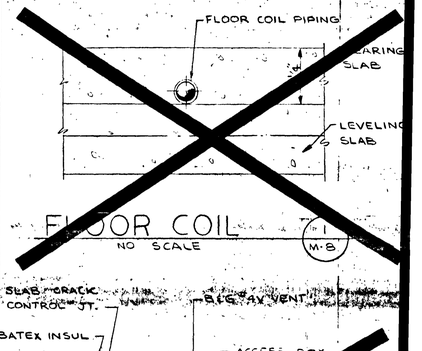
SYMBOL	ITEM	CAPACITY/SIZE	MOTOR DATA	BASIS OF DESIGN
UH-1	Unit Heater	60,500 Btuh at 2 PSI Steam & 60F EAT	1/20 HP 1550 RPM 120 Volts	Trane 60S Dunham Bush H250C (4 req'd)
[illegible]	Fin Tube Radiation	1-1 4S-1-1-4 32 Expanded fin tel cover. 857 Btu/foot. 180° AW.		Sterling Type X S-143 element
[illegible]	Fin Tube Radiation	1-1 4S-1-1-4 32 Sloping fin one row cover. 970 Btu/foot. 180° AWT		Sterling Type S S-143 element
CUH-1	Cabinet Unit Heater	102,378 Btuh 1800 CFM nom Inverted Flow 220° EGT 60° EAT	120 Volt 1 Phase 3 Speed	Trane Model M46A018 with G3TWPSC Motor
CUH-2	Cabinet Unit Heater	31,030 Btuh 300 CFM nom Inverted flow Fully recessed. 220° EGT 60° EAT	120 Volt 1 Phase 3 Speed	Trane Model N46A003 with G3TWPSC Motor
CUH-3	Cabinet Unit Heater	45,000 Btuh 600 CFM nom Inverted Flow 220° EGT 60° EAT	120 Volt 1 Phase 3 Speed	Trane Model N46A006 with G3TWPSC Motor
CUH-4	Cabinet Unit Heater	86,166 Btuh 1300 CFM nom. Inverted flow 220° EGT 60° EAT	120 Volt 1 Phase 3 Speed	Trane Model N46A013 with G3TWPSC Motor
CUH-5	Cabinet Unit Heater	129,000 Btuh 1800 CFM nom Inverted Flow 220° EGT 60° EAT	120 Volt 1 Phase 3 Speed	Trane Model N46A018 with G3TWPSC Motor
[illegible]	[illegible] Heating	53 GPM glycol [illegible] pipe size.	3/4 HP [illegible]	[illegible]
CP-2	Heating Pump	37 GPM glycol at 25 ft head. Size 1-1/2AA. 1-1/2" pipe size.	1/2 HP, 1750 RPM 120 Volt 1 Phase	B&G 60-13T
PRV-1	Pressure Reducing Valve	3/4" pipe size Set at 12 PSI discharge		B&G #12
PRV-2	Domestic Water Pressure Reducing valve	3/4" Pipe Size with strainer	--	Wilkins 500YS
PRV-3	Steam Pressure Reducing Valve	350 PPH 40 PSI inlet 15 PSI outlet 1-1/4" valve CV=11		Sarco 25P
EWH	Electric Water Heater	20 Gallon cap. Glasslined steel tank. 5 yr warranty.	2000 Watt 120 Volt 1 Phase	National NSG-20

SYMBOL	ITEM	CAPACITY/SIZE	MOTOR DATA	BASIS OF DESIGN
SP-1	Duct Drain Sump Pump	30 GPM at 20' Head Submersible pump w/ auto level control	1/3 HP 120 Volt 1 Phase	Pacific Pumping ASM 3
SP-2	Floor Drainage Sump Pump	81 GPM at 20' Head. Submersible pump w/ auto level control and mechanical alternater.	3/4 HP 460 Volt 3 Phase	Pacific Pumping MS7 duplex set.
EF-1 EF-2 EF-5 EF-6	Exhaust Fans	37,500 CFM 0°F air each at 2.5" SP. Controllable pitch. Flow tical up.	30 HP 460 Volt 3 Phase 1170 RPM Explosion Proof	Jov Axivane 45-26 1170 Series 1000 (~~Height~~ req'd) FOUR
SF-1 thru SF-4	Supply Fans	41,250 CFM 0°F air each at 2.5" SP. Controllable pitch. Flow vertical down Inlet bell & screen	40 HP 460 Volt 3 Phase 1170 RPM	Jov Axivane 42 1/4-17-1770 Series 2000 (4 req'd)
IFB-1 IFB-2 IFB-5 IFB-6	Make-up Air Heating Coils	41,250 CFM each 46.5 sq. ft. face area. EAT = -60°F LAT = +36°F 30 PSI steam Integral face and bypass dampers,	--	Wing VIFB size VE8T (4 req'd)
IFB-11 IFB-12 IFB-13 IFB-14	Recirculating Air Heating Coils	10,000 CFM each 13.5 sq. ft. face area EAT = 0°F Lat = 50°F 30 PSI steam Integral face and bypass dampers	--	Wing VIFB Size VD-3 (6 req'd) 4
-- --	Exhaust Discharge Hoods	37,500 CFM Upblast discharge. Integral low leakage back draft dampers. Pre-fabricated, insulated metal curb. For 48" duct		Penn Hi-Ex cap w/ Unl-Beam curb.
	Fuel Tank	150 PSI ASME construction complete fuel tank. 42" diameter 78" high. Pump base.		National Tank.
ACD	Air Curtain Door	8' 2-1/2" High x 17' 10 1/2" Wide door opening. 14000 CFM each. Without heating coil.	4 to 5 HP 460 Volts 3 Phase	Disco In-wall Model with door switch (two req'd)
[illegible]	[illegible]	[illegible] GPM EGT 200°F LGT 220°F	[illegible]	[illegible]
-- --	CONVERTER	37 GPM EGT 200°F LGT 220°F 10psi STEAM IN SHELL. 32 sq. ft. HEATING SURFACE, FOUR PASS		B&G SU 84-4
-- --	Compression Tank	100 Gallon ASME tank with gage glass, tank fitting and tank drainer,	--	B&G [illegible]
-- --	Condensate Pump	Duplex Set 60 GPM ea. 200° condensate. 25 PSI discharge. 100 Gallon cast iron receiver. Mechanical alternator and float switch.	2 HP 460 Volt 3 Phase	Pacific Pumping GRD 412MD20P
-- --	Air Eliminator	In-line type. 185 GPM max. flow 3" pipe connections.	--	B&G IAF-3



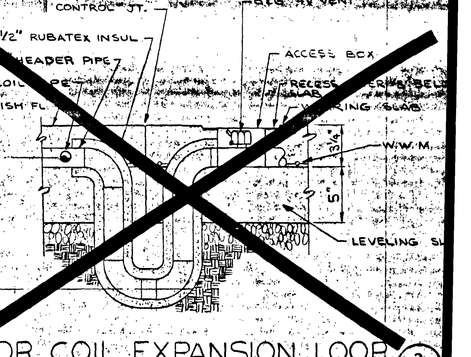
GLYCOL PIPING SCHEMATIC (3/M-8)

NO SCALE



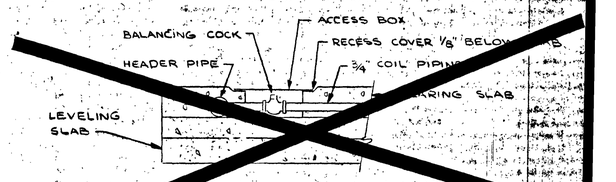
FLOOR COIL (1/M-8)

NO SCALE



FLOOR COIL EXPANSION LOOP (2/M-8)

NO SCALE



BALANCING COCK ACCESS (5/M-8)

NOTE
PLUGGED TEE SIMILAR

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SCHEDULES AND DETAILS

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

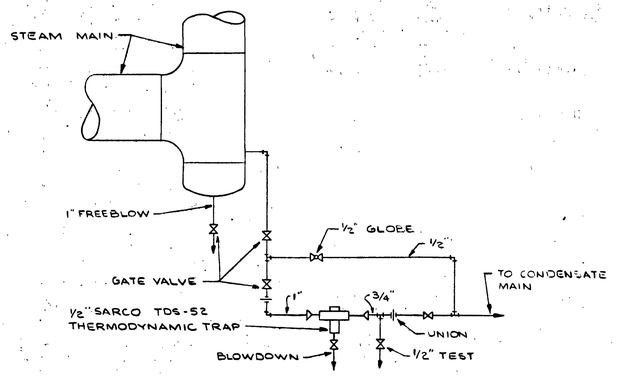
JOB NO.
DATE 6-27-74

WATER POINT SONS' CO.
FAIRBANKS ALASKA
AS-BLT

M-8

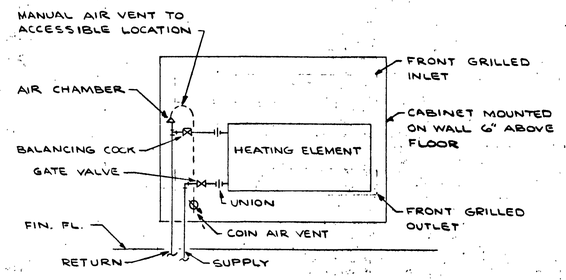
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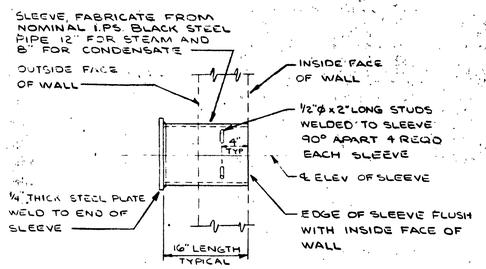
TRAP ASSEMBLY FOR MAINS (5 M-9)

NO SCALE



TYPICAL CABINET UNIT HEATER (3 M-9)

NO SCALE



SIDE ELEVATION

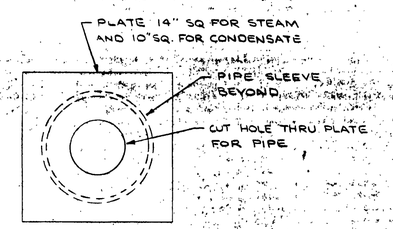
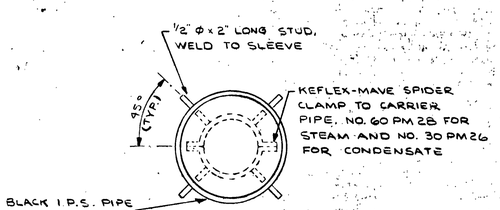


PLATE END VIEW

(OUTSIDE WALL)

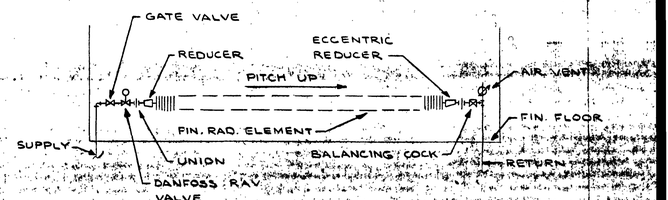


OPEN END VIEW

(INSIDE WALL)

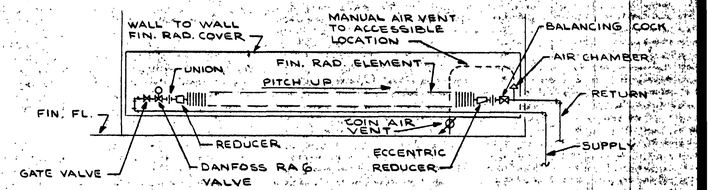
SLEEVE DETAILS (4 M-9)

NO SCALE



ELEVATION HOT WATER RADIATION FT-1 (1 M-9)

NO SCALE

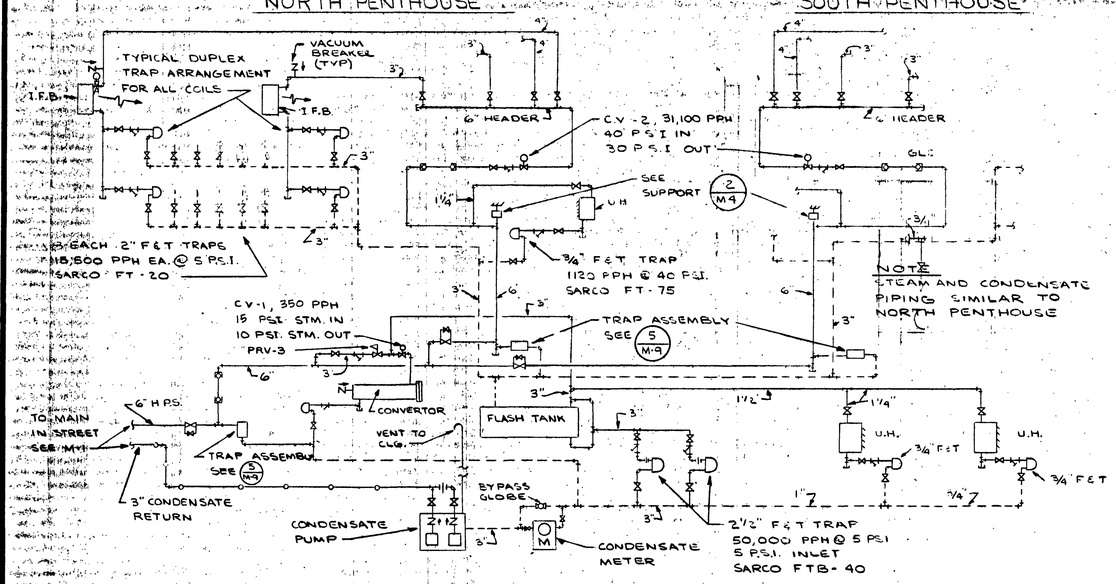


ELEVATION HOT WATER RADIATION FT-2 (2 M-9)

NO SCALE

NORTH PENTHOUSE

SOUTH PENTHOUSE



STEAM AND CONDENSATE PIPING DIAGRAM (6 M-9)

NO SCALE

JOB NO.:

DATE: 6-27-74

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FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

DETAILS

PETER KIEWIT SONS' CO.

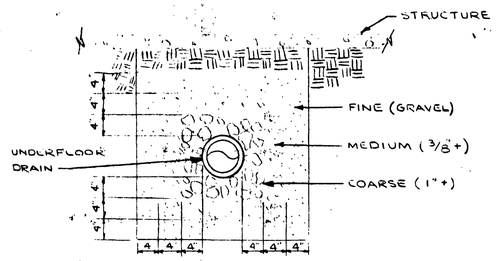
FAIRBANKS ALASKA

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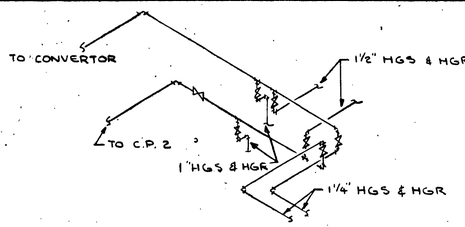
AS-BLT

M-9

SHEET 44 OF 49



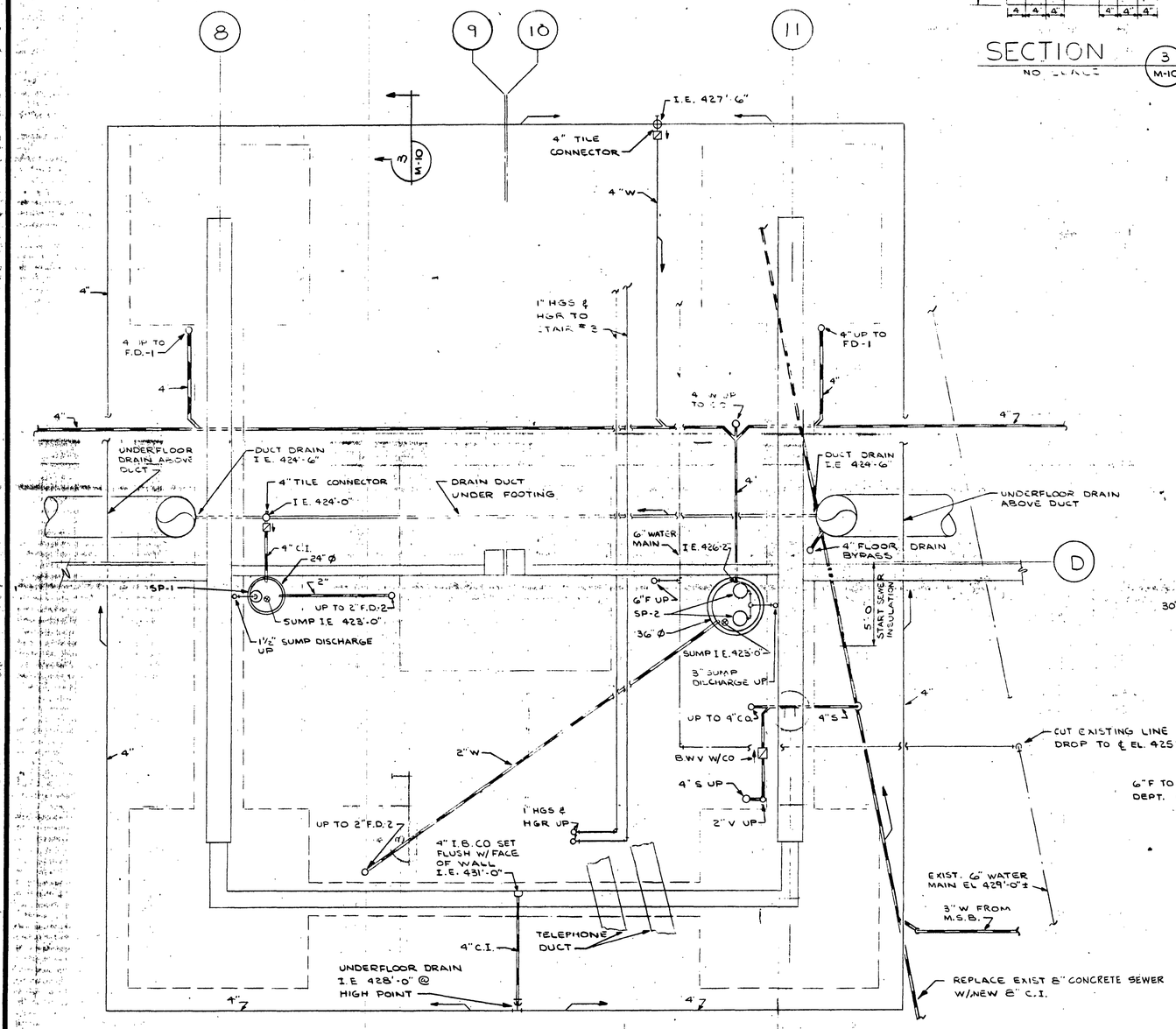
SECTION
NO SCALE
3 M-10



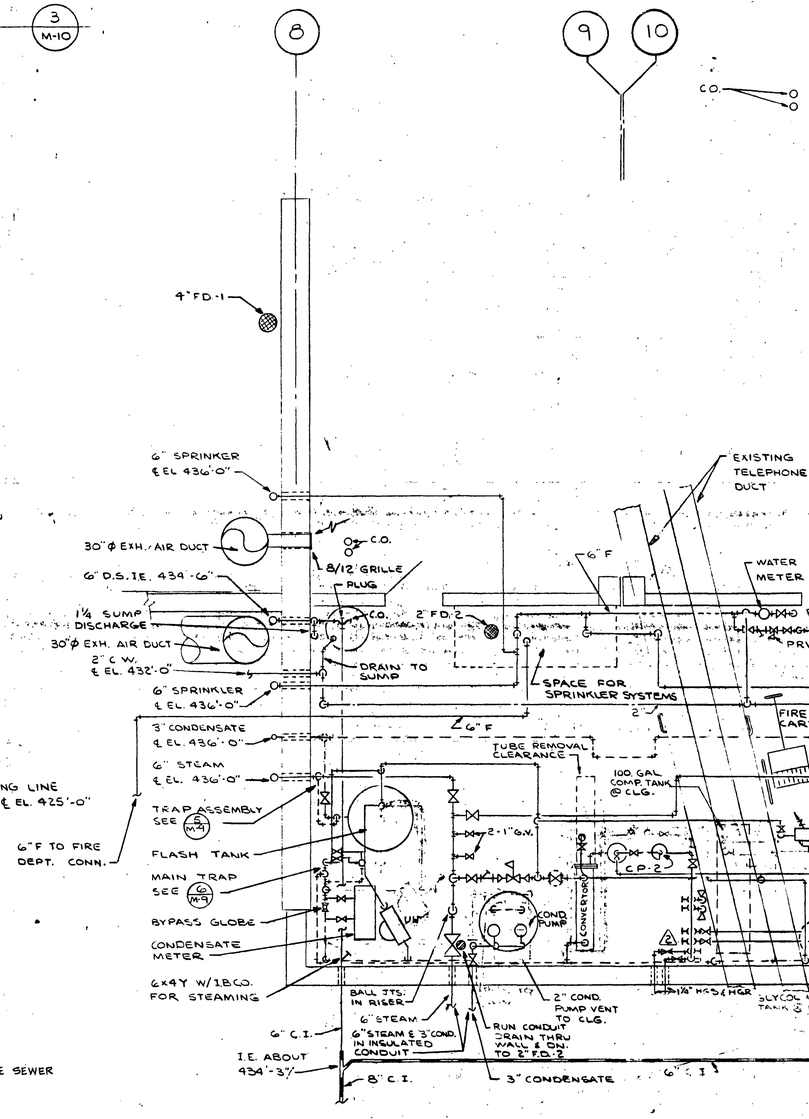
GLYCOL PIPING ISOMETRIC
NO SCALE

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FOUNDATION PLAN
SCALE 1/4" = 1'-0"
2 M-10



NOTE
SLEEVE ALL PIPING THRU WALLS

MECHANICAL EQUIPMENT ROOM
SCALE 1/4" = 1'-0"
1 M-10

JOB NO. 7313-734
DATE 6-27-74

LEVEL L MECHANICAL ROOM PLANS

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
SURVEYED
DATE
AS-BLT

M-10

SHEET 45 OF 49

K 39.46

ABBREVIATIONS

AB	ANCHOR BOLT
ADD	ADDENDUM
ALT	ALTERNATE
ARCH	ARCHITECT, ARCHITECTURAL
BFE	BOTTOM FOOTING ELEVATION
BJ	BRIDGING JOIST
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM
BRIDG	BRIDGING
BSMT	BASEMENT
CANTIL	CANTILEVER
CJ	CONTROL JOINT
CL	CENTER LINE
COL	COLUMN
CON	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COOR	COORDINATE
CT JT	CONTRACTION JOINT
CTR	CENTER
DEPR	DEPRESSION
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DJ	DOUBLE JOIST
DO	DITTO
DWG	DRAWING
DWLS	DOWELS
EA FR	EACH FACE
EA WAY	EACH WAY
EE	EACH END
E JT	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
ERECT	ERECTION
EWEF	EACH WAY EACH FACE
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FDN	FOUNDATION
FIN	FINISH
FL	FLOOR
FP	FIREPROOFING
FRMG	FRAMING
FTG	FOOTING
FUT	FUTURE
GA	GAUGE, GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GND	GROUND
GR BM	GRADE BEAM
HDR	HEADER
HS	HIGH STRENGTH
HT	HEIGHT
HOR	HORIZONTAL
IF	INSIDE FACE
IN	INCH
INT	INTERIOR
JST	JOIST
JT	JOINT
KWY	KEYWAY
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFGR	MANUFACTURER
MIN	MINIMUM
MONO	MONOLITHIC
NO	NUMBER
OC	ON CENTER
OF	OUTSIDE FACE
OPNG	OPENING
PED	PEDESTAL
PLT	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
R	RISER
R	RADIUS
RC	REINFORCED CONC
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE
REV	REVISE, REVISION
RS	ROUGH SLAB
RT	RIGHT
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SJ	STEEL JOIST
SPEC	SPECIFICATIONS
SPA	SPACES
SQ	SQUARE
ST	STEEL
STIR	STIRRUPS
STRUCT	STRUCTURAL
STR	STRAIGHT
SYMM	SYMMETRICAL
T&B	TOP & BOTTOM
TEMP ST	TEMPERATURE STEEL
TJ	TRIPLE JOIST
TR	TREAD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
WP	WATERPROOF, WEATHERPROOF
WT	WEIGHT
WWF	WELDED WIRE FABRIC

GENERAL STRUCTURAL NOTES

1. BUILDING CODES USED:

A. Uniform Building Code, 1970.
B. ACI Standard 318-71.
C. AISC Specification, 1969.

2. FOUNDATION:

A. Foundation design based on an allowable uniform pressure of 4,000 psf with spread footings bearing on COMPACTED FILL.

B. All slabs on grade are to be placed on 4 mil polyethylene vapor barrier.

3. DESIGN LIVE LOADS:

A. All Parking Decks---------- 50 psf
B. Stairs, Corridors---------- 100 psf
C. Seismic---------- Zone 3

4. DESIGN:

A. Reinforced concrete beams, slabs and columns designed in accordance with the ultimate strength theory and ACI 318-71.

B. Post-tensioned girders and slabs designed in accordance with ACI 318-71 and "Tentative Recommendations for Concrete Members Prestressed with Unbonded Tendons" by ACI Committee 423.

5. CONCRETE:

Class	Strength at 28 Days (psi)	Location
A	5,000	Post-tensioned slabs, beams, & girders. (Precast girders & columns and conventional reinforced 6-1/2" slabs for contractors option.)
B	4,000	Footings, fdn. walls, slabs on grade, and all other concrete.

6. REINFORCING STEEL:

A. ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (latest edition) and CRSI "Manual of Standard Practice" (latest edition) to govern fabrication of all reinforcing steel unless shown otherwise on plans.

B. Reinforcing vendor to furnish all accessories, chairs, spacer bars and supports necessary to secure steel in accordance with the ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (latest edition) and CRSI "Manual of Standard Practice" (latest edition).

C. All reinforcing steel to be ASTM A-615 Grade 60 except stirrups and ties to be ASTM A-615 Grade 40.

D. Concrete reinforcement shall be placed according to the CRSI "Recommended Practice for Placing Reinforcing Bars" (latest edition).

E. In all slabs where negative steel is not called for, provide entire positive steel area over all interior supports and one-half of positive steel area over end supports.

F. Splices in vertical and horizontal reinforcing steel shall be lapped a minimum of bar diameters unless noted otherwise.

G. Concrete Coverage For Reinforcing Steel:

a. Footings--------- 3"
b. Pedestals--------- 2" to Ties
c. Foundation Walls
1. Exterior Face-- 2"
2. Interior Face-- 1-1/2" (Unless Shown Otherwise)
d. Columns---------- 1-1/2" to Ties or Spirals (Unless Shown Otherwise)
e. Slab on Grade---- 2-1/2" Bottom
f. Structural Slab-- 1" Top and Bottom
g. Beams---------- 1-1/2" to Stirrups (Unless Shown Otherwise)
h. Grade Beams------ 2"

7. STRUCTURAL STEEL:

A. Fabrication and erection of structural steel shall be governed by AISC "Code of Standard Practice", latest edition.

B. Shop connections may be welded or bolted. Field connections may be bolted or welded.

C. All bolts used for field connections shall be 3/4" diameter high strength bolts per ASTM A-325, unless noted or shown otherwise on plans.

D. Standard connections (AISC) used for beam to columns or beam to beam connection, unless shown otherwise on plans.

E. Minimum beam connections shall be as shown in table on Sheet No. S-9 for 3/4" diameter A-325 high strength bolts, unless shown or noted otherwise on plans.

8. STEEL JOISTS:

A. All steel joists shall conform to requirements of the Steel Joist Institute Standard Specifications, latest edition. Manufacturers not members of SJI or AISC shall submit for architect's approval a complete structural analysis of their joists proposed for use. All stresses shall be within limits established by SJI.

B. Bridging for H series steel joists shall be continuous horizontal 5/8" Ø rods or equal at top and bottom of joists in lengths to permit lapping at joist panal points for welding. Weld bridging to web members near top and bottom chords.

C. Refer to plans for bottom chord extensions required.

D. Header angles for steel joists shall be furnished by joist manufacturer.

E. Steel joists are to be attached to supporting members as per recommendations of Steel Joist Institute Specifications.

9. STEEL ROOF DECK:

A. Steel roof deck shall be 1-1/2" in depth by 20 gage.
See general specifications for type and method of fastening deck to supporting members.

10. METAL SLAB FORM:

A. Metal Slab Form - See General Specifications.

11. BACKFILLING:

A. No backfilling and compacting of earth shall be permitted against foundation walls until supporting slabs have been poured and have reached 75% of their design strength or unless adequate bracing submitted for review is provided.

B. Both sides of foundation walls shall be backfilled simultaneously so as to prevent overturning or lateral movement of walls.

C. All grade beams shall be adequately braced to prevent lateral movement during backfilling and compaction.

12. CONSTRUCTION JOINTS:

A. General contractor shall submit a drawing showing the proposed construction joints for all areas. This includes walls, structural floor systems, slabs on grade, etc. This drawing must be reviewed by the project engineer and returned to the contractor prior to pouring of any concrete. These construction joint drawings shall be furnished to the fabricators before their shop drawings are submitted. If for some reason the contractor desires to adjust or remove certain proposed construction joints, he must submit new construction joint drawings and a written request outlining his reasons for the proposed change to the architect for his review prior to pouring.

B. Construction joints are to be made as detailed on structural drawings. Location of construction joints shall be coordinated with post-tensioning installer.

13. General Contractor to verify location of all mechanical and electrical openings with mechanical and electrical contractors respectively.

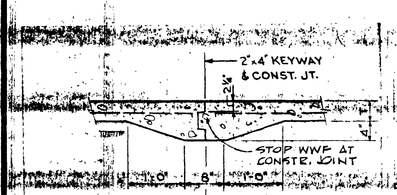
14. The exact location and elevations of all existing utilities shall be verified by the General Contractor and reported to the architect for conformance with assumptions made in preparation of construction documents.

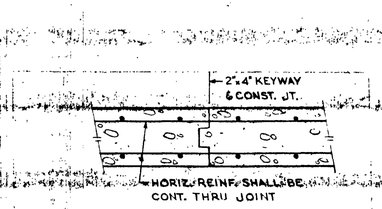
15. All reinforcing bars that terminate at a slab or wall edge are to be hooked.

16. Unless noted otherwise, provide two #5 bars each side of all openings in slabs and walls.

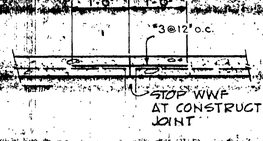
17. All exposed corners of column's, beams and walls to have 3/4" x 3/4" chamfer.

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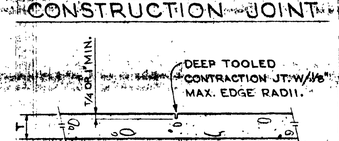


WALL CONSTRUCTION JOINT

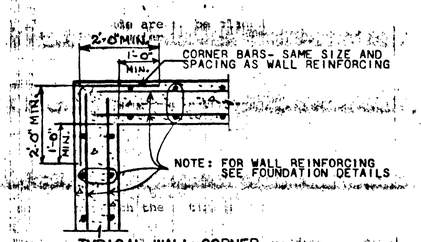


CONTRACTOR'S OPTION

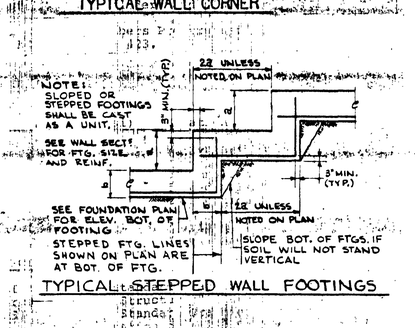
SLAB ON GRADE CONSTRUCTION JOINT



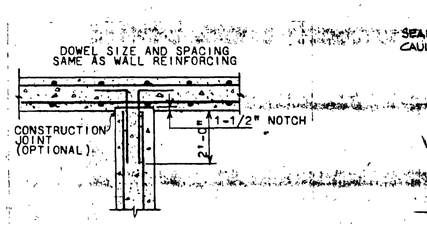
SLAB ON GRADE CONTRACTION JOINT



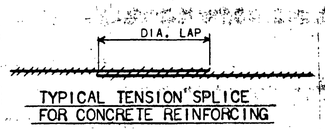
TYPICAL WALL CORNER



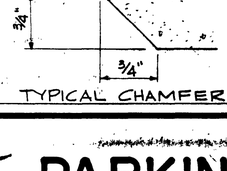
TYPICAL STEPPED WALL FOOTINGS



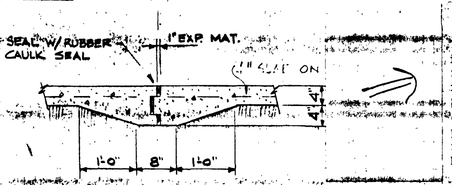
TYPICAL WALL INTERSECTION REINFORCING DETAIL



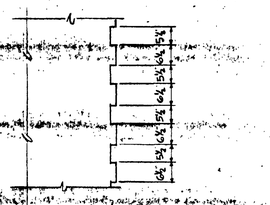
TYPICAL TENSION SPLICE FOR CONCRETE REINFORCING



TYPICAL CHAMFER DETAIL



SECTION S-1/1 (SEE LEVEL 1 PLAN SH. S-2)
SCALE 3/4" = 1'-0"



PLAN VIEW OF TYPICAL SLAB CONSTRUCTION JOINT

Precast Option

The structural system indicated on the following sheets (S-1 thru S-14) is post-tensioned girder girder and slab. The contractor has the option to provide a precast column and girder system with a conventionally reinforced 6-1/2" concrete slab in lieu of the P-T system indicated on Shee S-1 thru S-14. Typical member sizes, reinforcing and details for the precast option are shown on Sheet S-15 and are to be used for bidding purposes. If the contractor provides the precast option, structural calculati for all precast members and connections shall be submitted to the Archite Engineer for approval.

The contractor will be responsible to coordinate the precast details with plans and details on Sheets S-1 thru S-14 to ensure conformance with de sign intent. It is not mandatory for the contractor to submit a price for t precast option.

General Note to Contractor

The Contractor shall avoid damage as a result of his operation to existin sidewalks, streets, curbs, pavements, utilities, (except those to be replaced or removed) adjoining the property, etc., and he shall, at his own expense completely repair any damage thereto caused by his operat

The Contractor shall shore up, brace, underpin, secure, and protect as may be necessary, all foundations and other parts of existing structure adjacent thereto adjoining, and in the vicinity of the site, which may in way be affected by the excavations or other operations connected with c struction of the parking structure embraced in this contract. The Contr shall be responsible for the giving of any and all required notices to an adjoining or adjacent property owners or other party before the commen ment of any work. The Contractor shall indemnify and save harmless t State of Alaska and the Architect/Engineer from any damages on account of settlement or the loss of lateral support of adjoining property and fro all loss and expense and all damages for which the State of Alaska and t Architect/Engineer may become liable and consequence of such injury o damage to adjoining and adjacent structures and their premises.

TYPICAL DETAILS AND GENERA STRUCTURAL NOTES

JOB NO.: 7313, 734
DATE: 6-27-74

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JUNEAU ALASKA

STATE OF ALASKA 49TH No. 494-E REGISTERED PROFESSIONAL ENGINEER

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

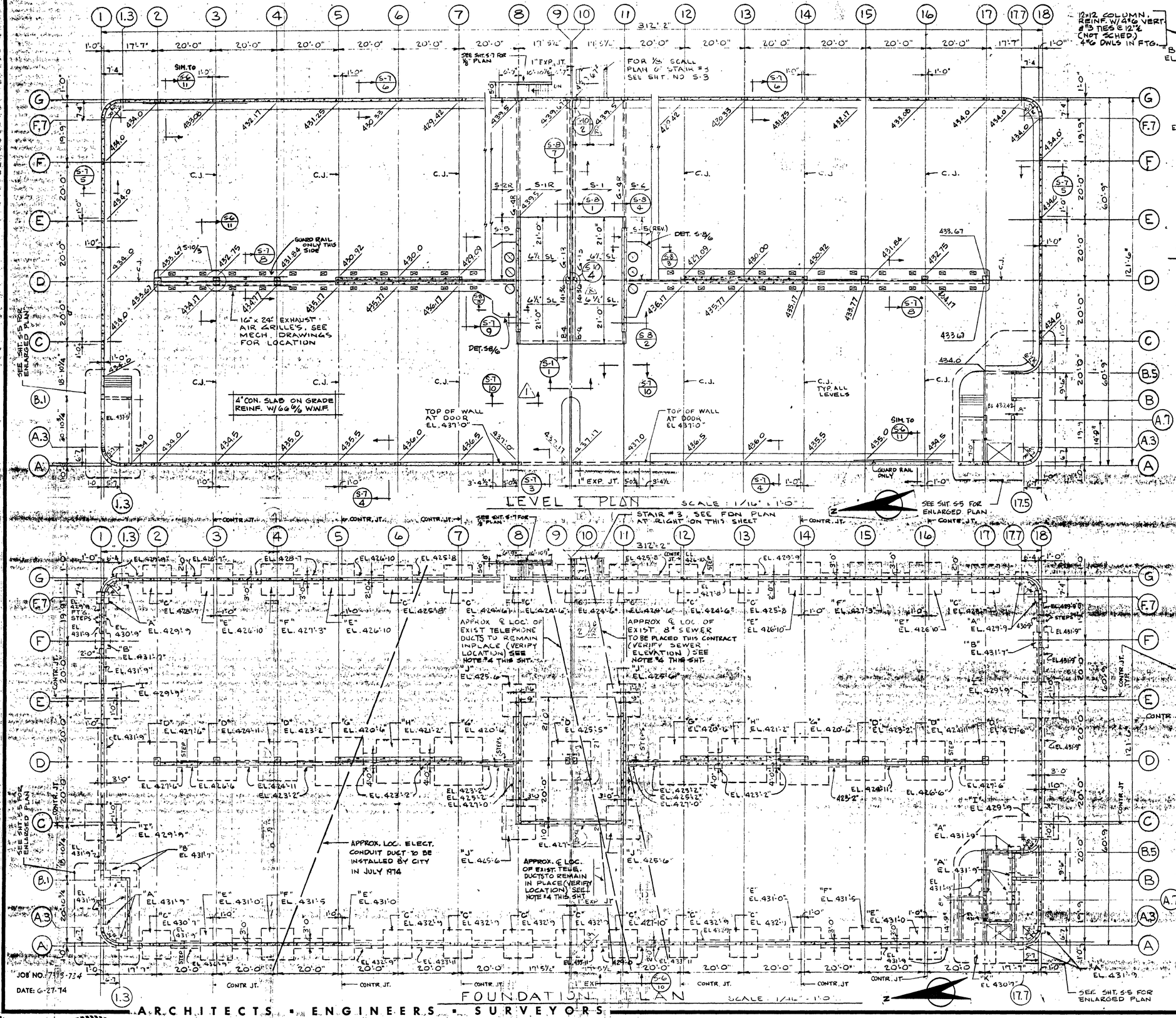
FAIRBANKS, AK.

PETER KIEWIT SONS CO.

AS-BLT

S-1

SHEET 21 OF 24



GRAY ROGERS MYERS & MORGAN

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FOOTING SCHEDULE

FOOTING	SIZE	DEPTH	REINFORCING
"A"	4'0 x 4'-0	12"	4-#5 E.W.
"B"	5'-0 x 5'-0	14"	5-#5 E.W.
"C"	9'-6 x 9'-6"	24"	7-#8 E.W.
"D"	13'-0 x 13'-0	33"	11-#9 E.W.
"E"	10'-6 x 10'-6	33"	9-#9 E.W.
"F"	10'-6 x 10'-6	28"	9-#8 E.W.
"G"	16'-0 x 16'-0	44"	14-#10 E.W.
"H"	14'-6 x 14'-6	36"	12-#9 E.W.
"I"	12'-0 x 12'-0	36"	10-#9 E.W.
"J"	11'-0 x 11'-0	32"	11-#8 E.W.
"K"	7'-0" x 13'-0"	26"	9-#8 LONG 12-#8 SHORT

NOTES:
1. ALL FOOTINGS ARE CENTERED UNDER COLUMNS OR W
2. SEE PLAN FOR FOOTING ELEVATIONS, ELEVATIONS ARE BOTTOM OF FOOTINGS.
3. VERIFY SIZE & LOCATION OF ALL MECHANICAL OPENINGS ETC. WITH MECHANICAL CONTRACTOR.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEM SHORING & PROTECTION FOR EXISTING TELE. DUCT & S SEWER LINE DURING CONSTRUCTION.

FOUNDATION PLAN & LEVEL I FLOOR P

JOB NO. 7713-734
DATE: 6-27-74

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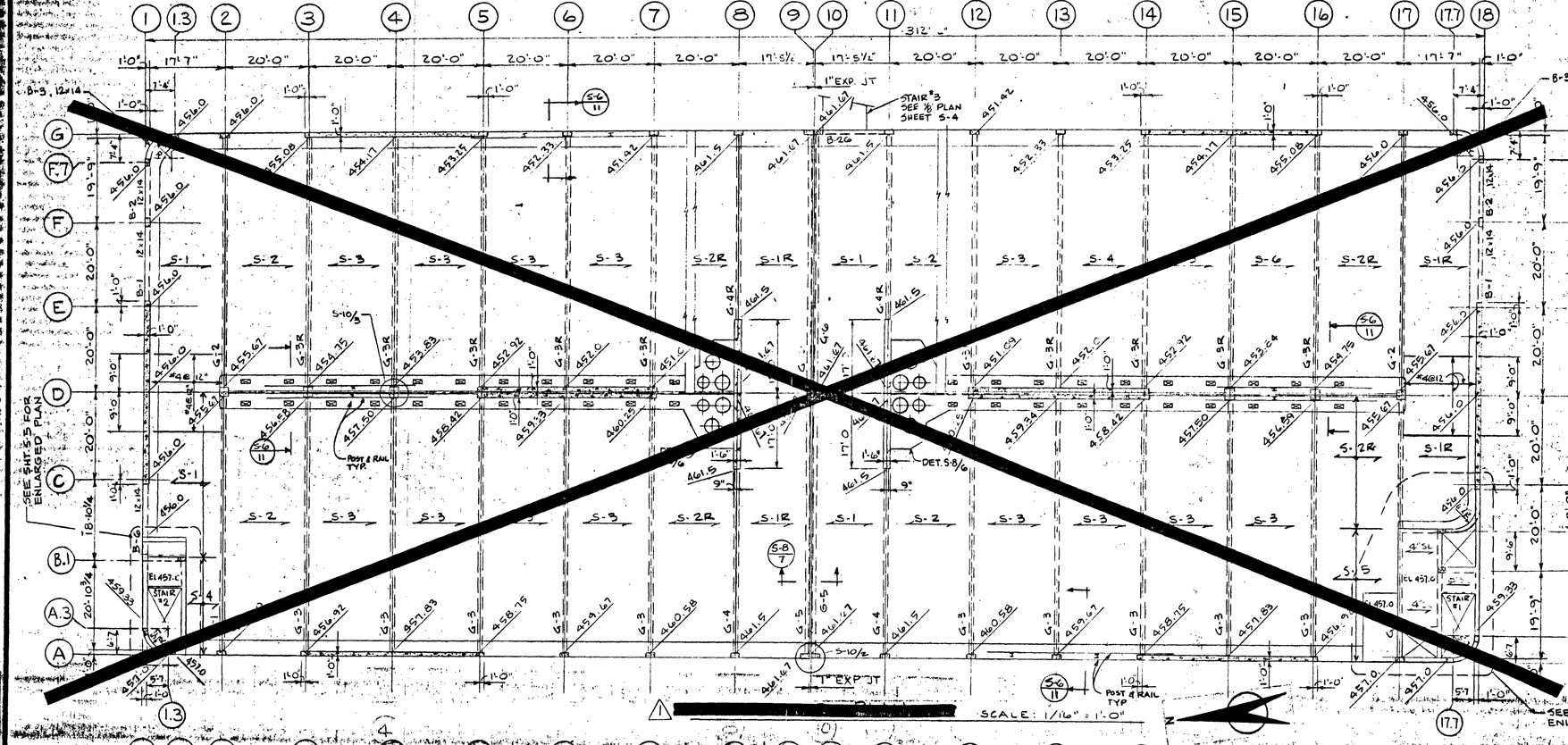
FAIRBANKS PARKING STRUCTURE

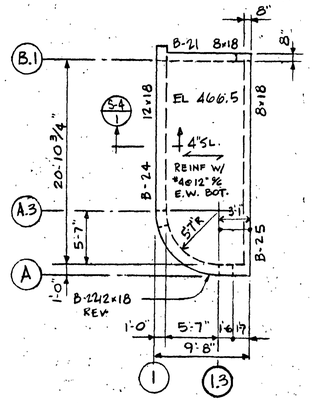
DBA-2-0130

FAIRBANKS, AK.

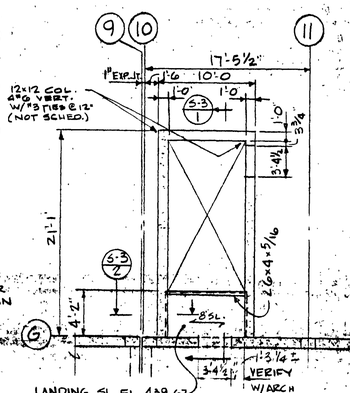
S-2

SHEET 22 O

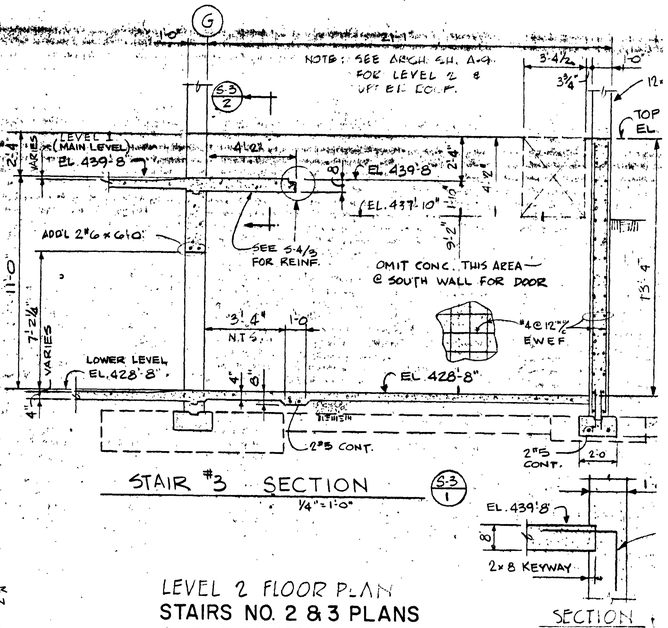




STAIR #2 UPPER ROOF PLAN
1/8" = 1'-0"



STAIR #3 LEVEL 1 PLAN
1/8" = 1'-0"



STAIR #3 SECTION
1/4" = 1'-0"

LEVEL 2 PLAN
1/16" = 1'-0"

LEVEL 2 FLOOR PLAN
STAIRS NO. 2 & 3 PLANS AND SECTION

SECTION

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NOTES:
1. FLOOR EL. VARIES - SEE PLAN.
2. VERIFY MECH. & ELECT. OPNG. SIZE W/ MECH. & ELECT. CONTRACTORS.
3. SEE SHT S-7/1 FOR RAMP CROSS SECTIO
4. SEE SHT. S-11, 12, 13 FOR SHEAR WALL DETA
5. SEE SHT. S-14 FOR PT GIRDER & SLAB DE
6. SEE SHT. S-15 FOR PRECAST (CONTR. OPT
7. SEE SHT. S-10 FOR R/C BM & COL REIN
8. SEE SHT. S-4 FOR ADD'L SLAB REINF. & LI
9. FLOOR EL. SHOWN ON PLAN ARE T TOP OF STRUCTURAL SLAB
10. SEE S-1 FOR TYP SLAB CONSTR. JOINT.

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FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

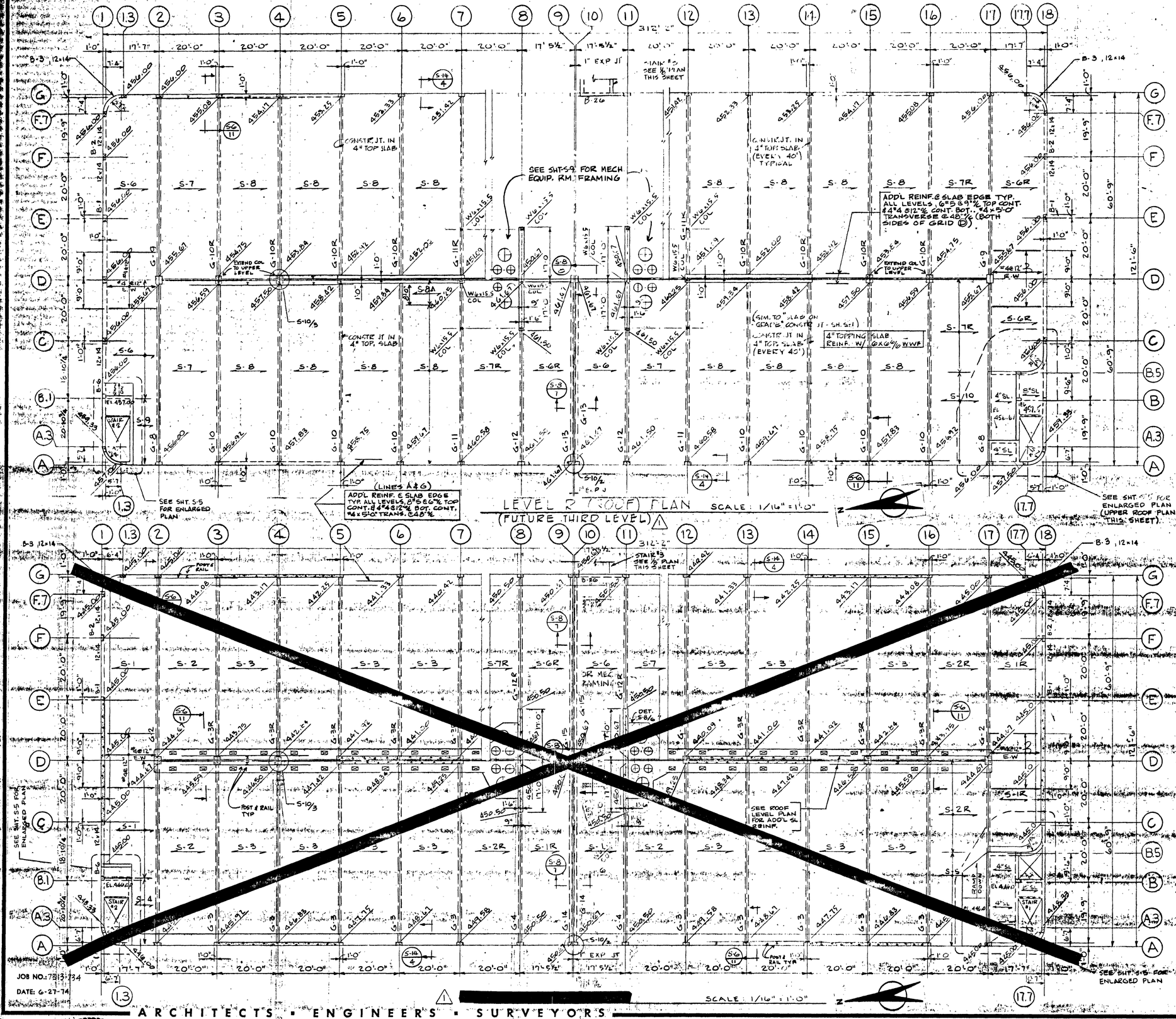
FAIRBANKS, AK.

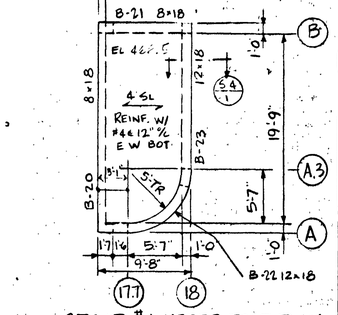
PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
RECOMMENDED: APPROVED:
DATE: AS-BLT

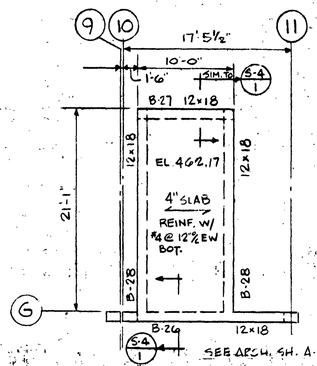
S-3

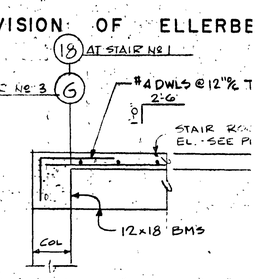
SHEET 23 OF

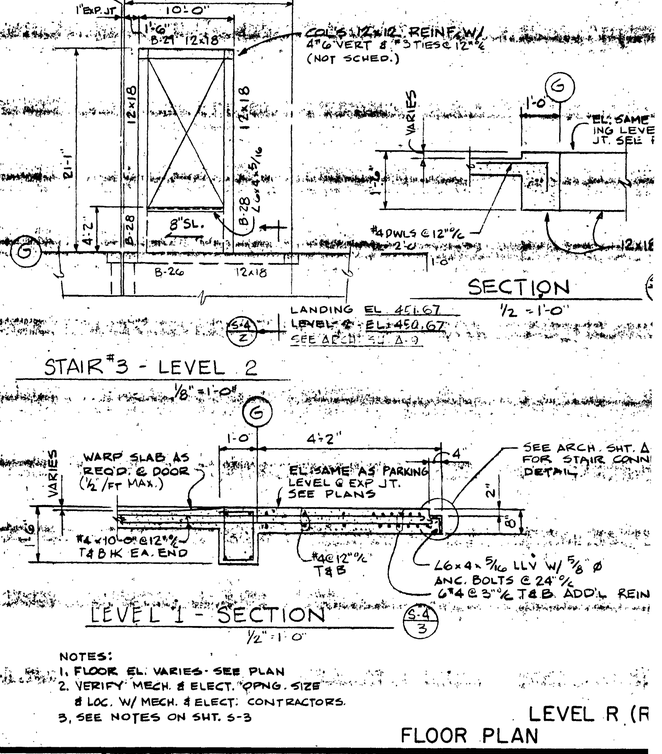
JOB NO.: 7315 7314
DATE: 6-27-74











NOTES:
1. FLOOR EL. VARIES - SEE PLAN
2. VERIFY MECH. & ELECT. OPNG. SIZE & LOC. W/ MECH. & ELECT. CONTRACTORS.
3. SEE NOTES ON SHT. S-3

LEVEL R (R
FLOOR PLAN

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STATE OF ALASKA 49TH No. 494-E REGISTERED PROFESSIONAL ENGINEER

FAIRBANKS PARKING STRUCTURE

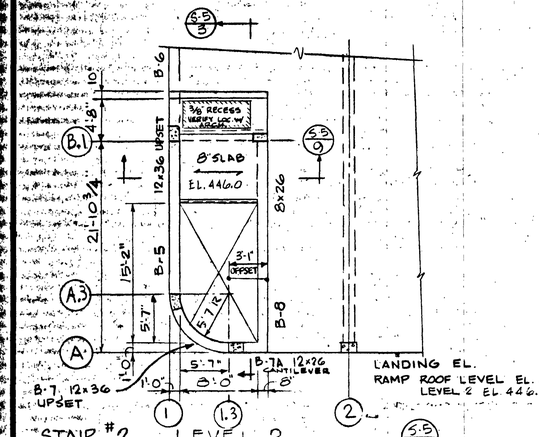
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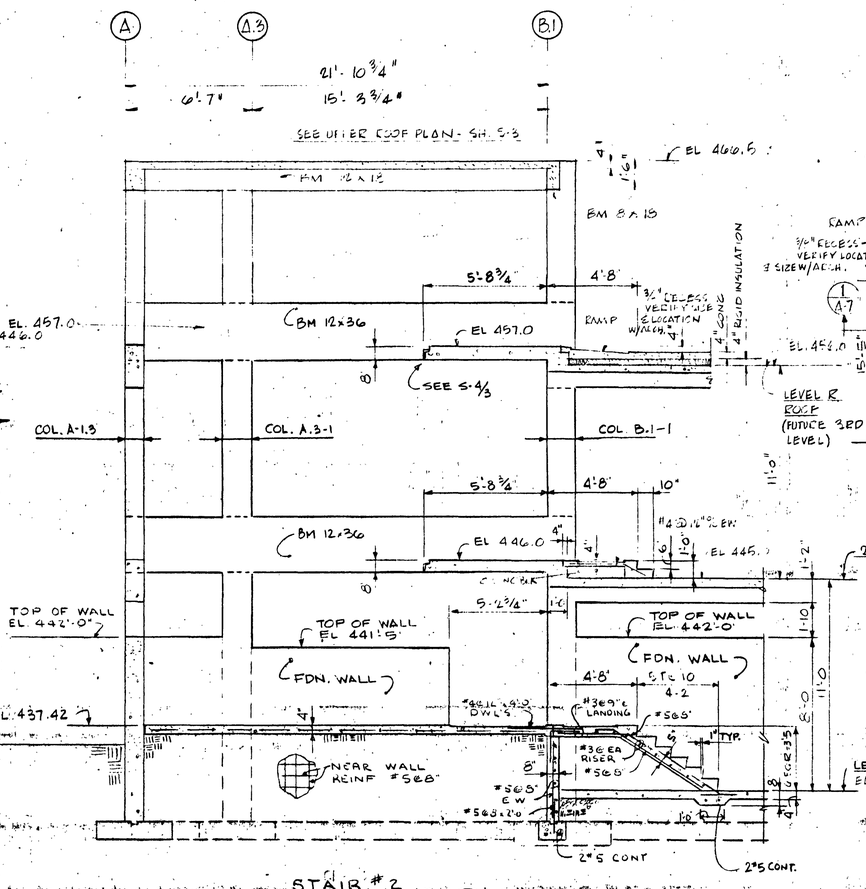
FAIRBANKS, AK.

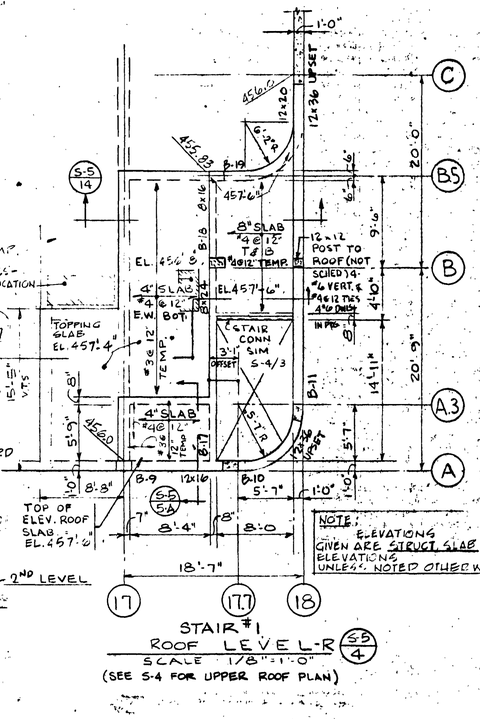
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FAIRBANKS ALASKA
RECOMM'D
CONTRACTOR'S REP.
DATE:
AS-BLT

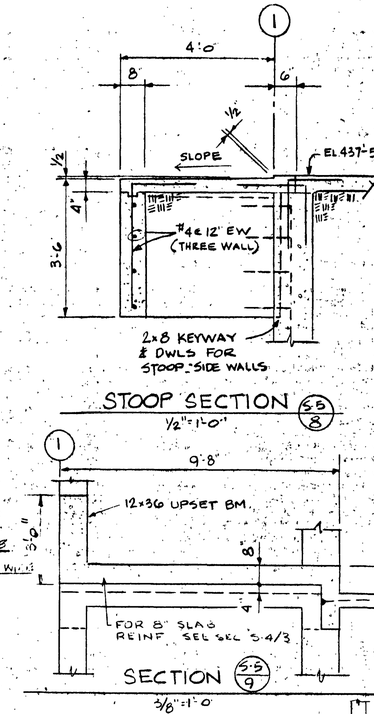
S-4

SHEET 24 O



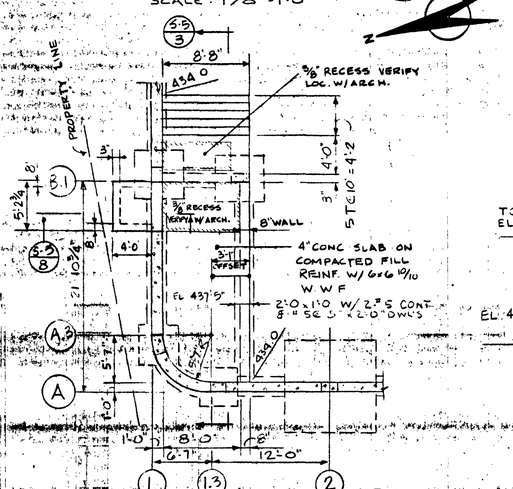


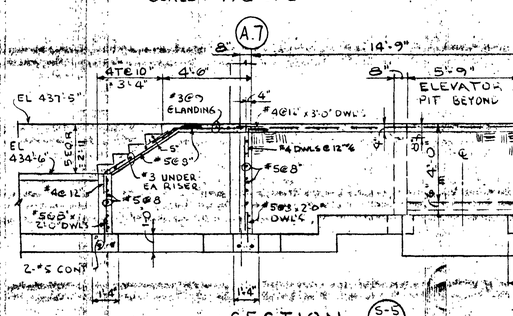


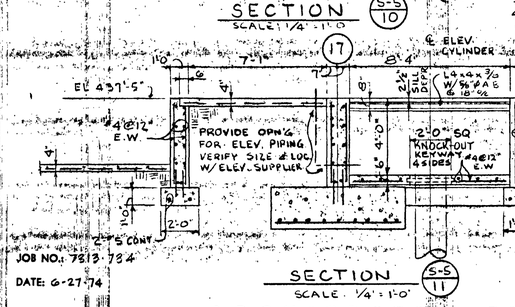


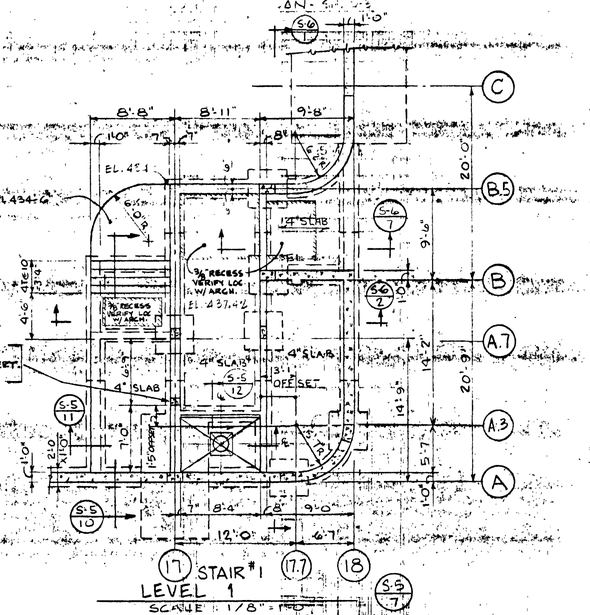
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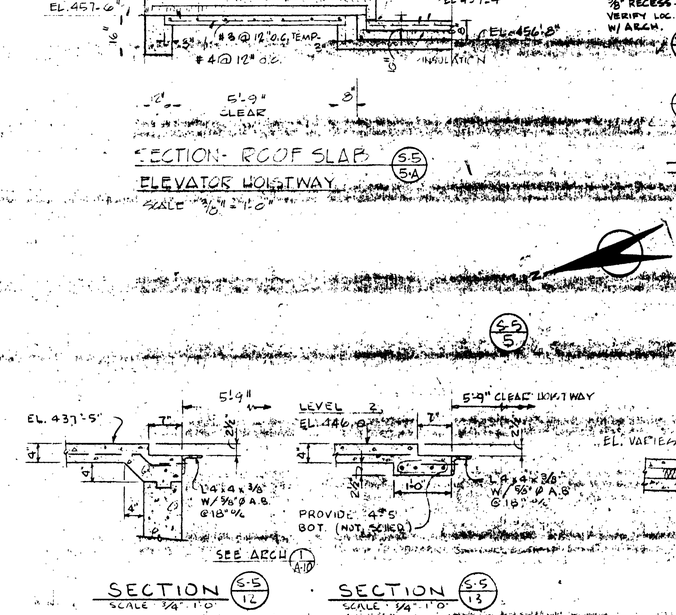
A DIVISION OF ELLERBE

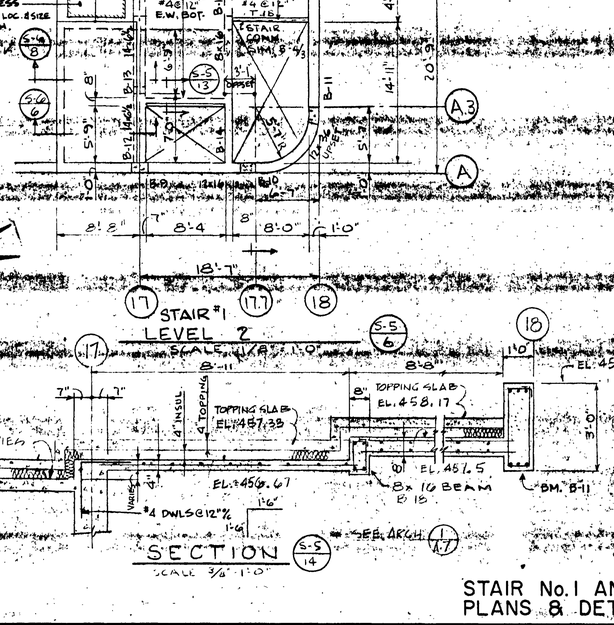












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DATE: 6-27-74

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FAIRBANKS PARKING STRUCTURE

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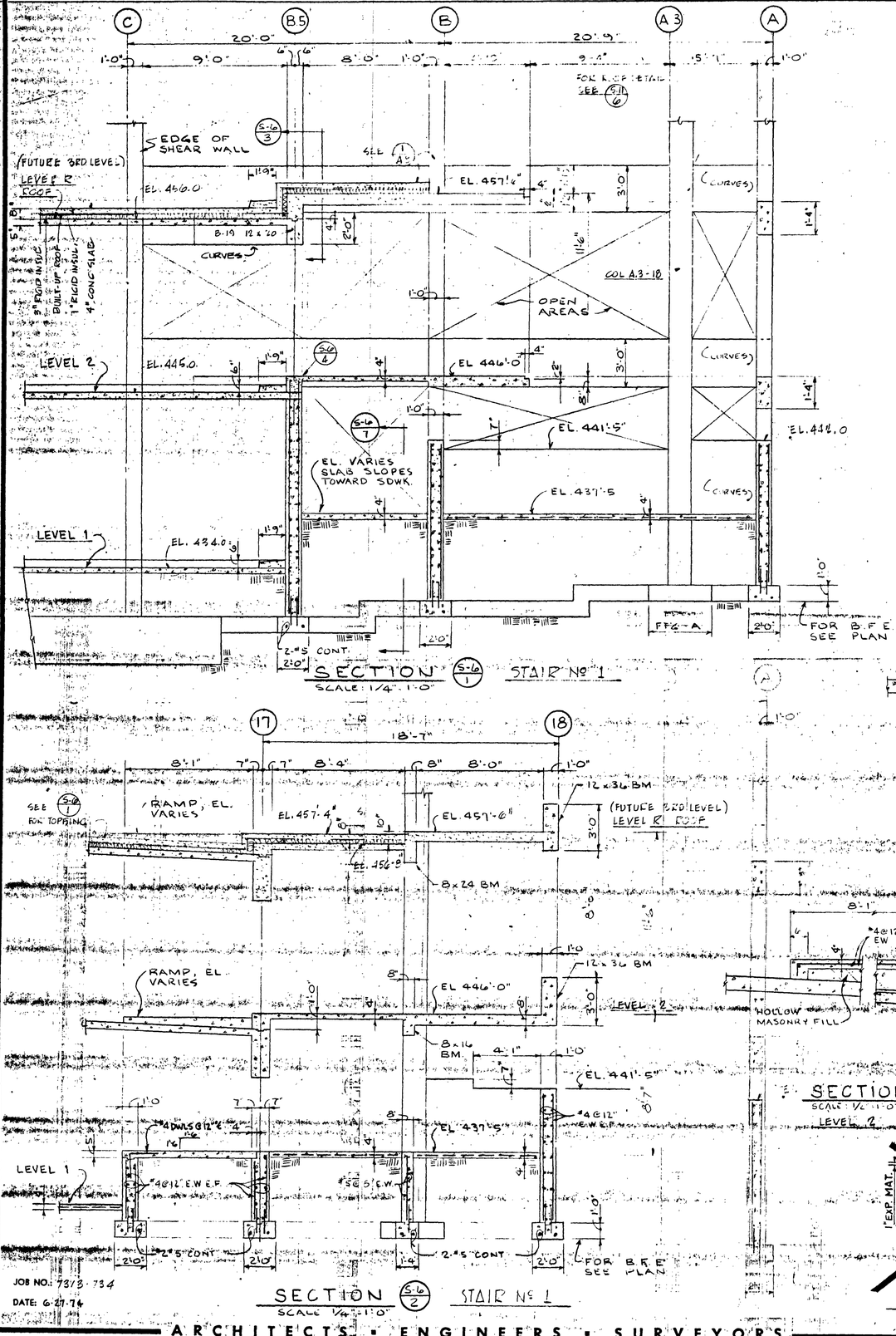
FAIRBANKS, AK.

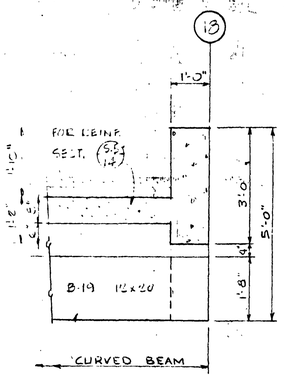
PETER KIEWIT SONS' CO. ALASKA
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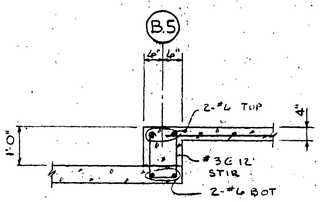
STAIR No.1 AND N
PLANS & DETAILS

S-5

SHEET 25 OF

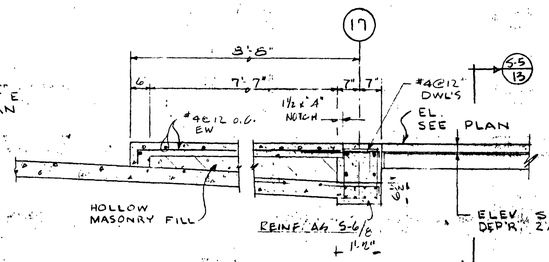


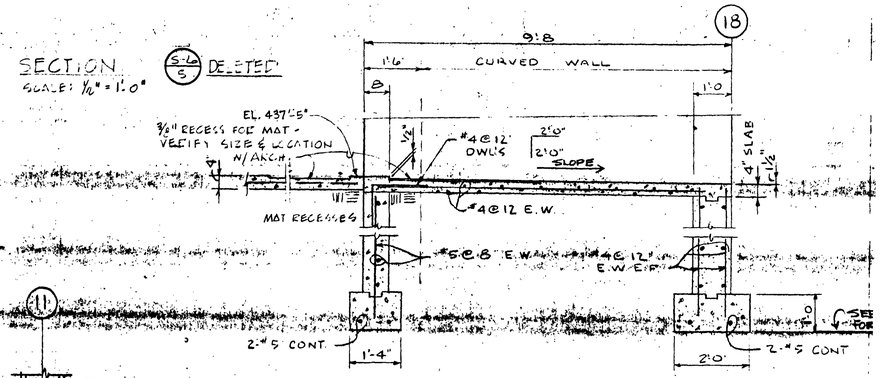


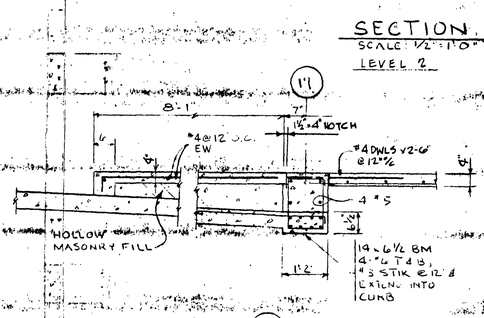


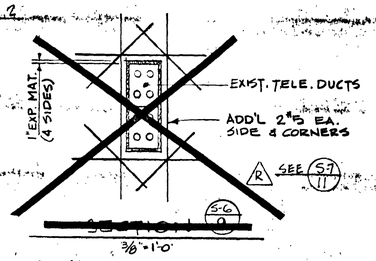
GRAY ROGERS MYERS & MORGAN

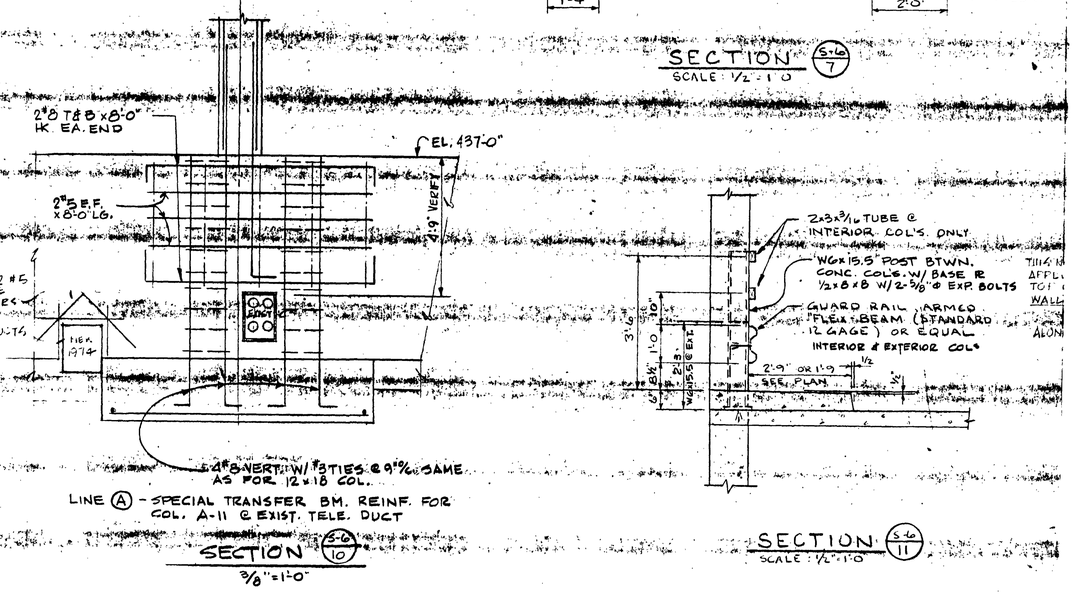
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JUNEAU ALASKA

STATE OF ALASKA — 49TH — REGISTERED PROFESSIONAL ENGINEER — No. 494-E

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

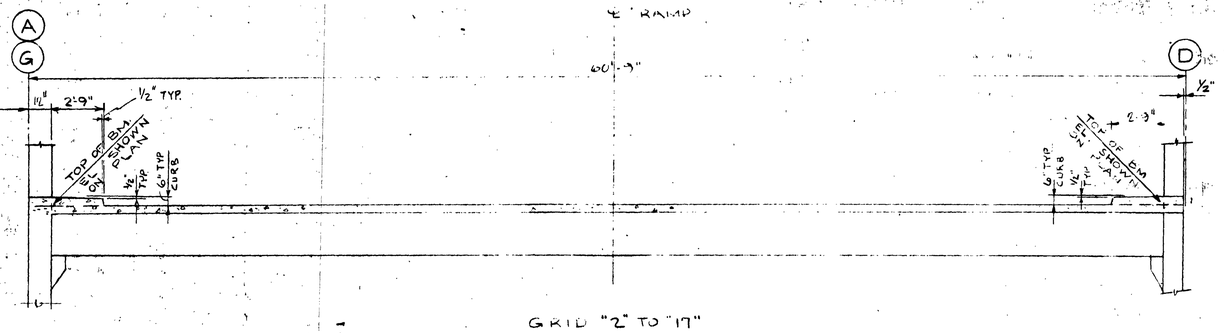
FAIRBANKS, AK.

STAIR No.1 SECTIONS AND DETA

DATE:

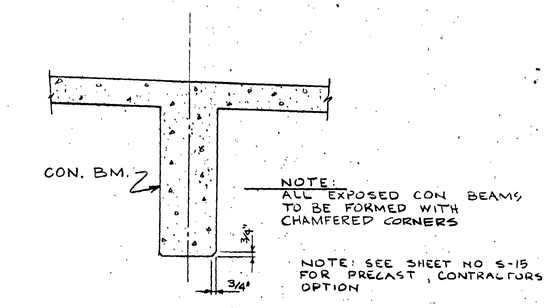
S-E

SHEET 26 O

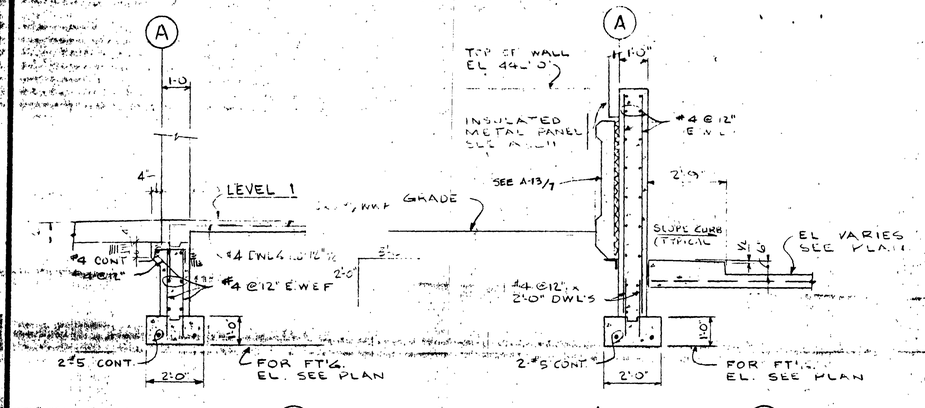


GRID "2" TO "17"
TYPICAL RAMP CROSS SECTION

SECTION S-7/1
SCALE: 1/4"=1'0"

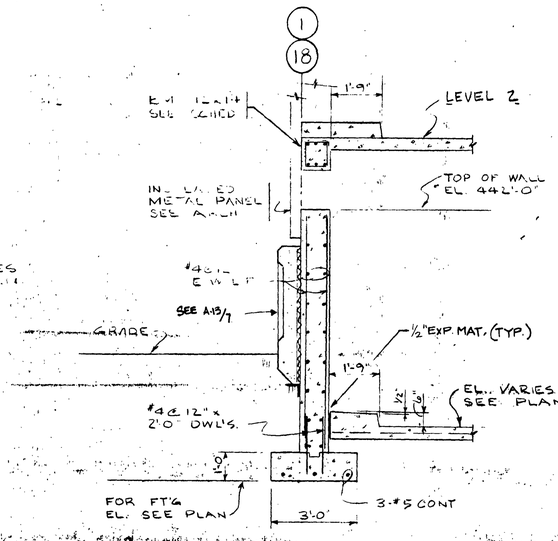


TYPICAL DETAIL FOR EXPOSED CONCRETE BEAMS S-7/2

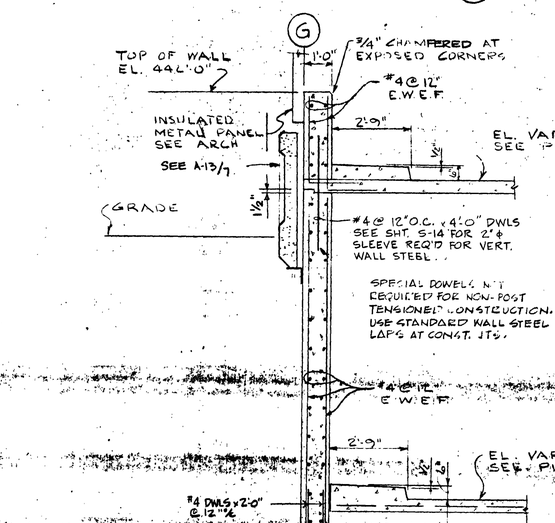


SECTION S-7/3
SCALE: 3/8"=1'0"

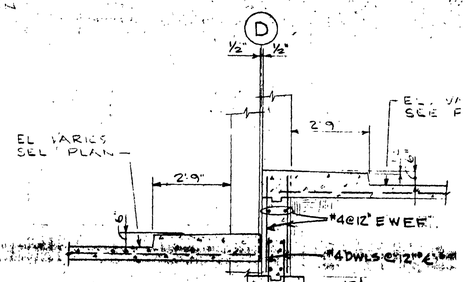
SECTION S-7/4
SCALE: 3/8"=1'0"



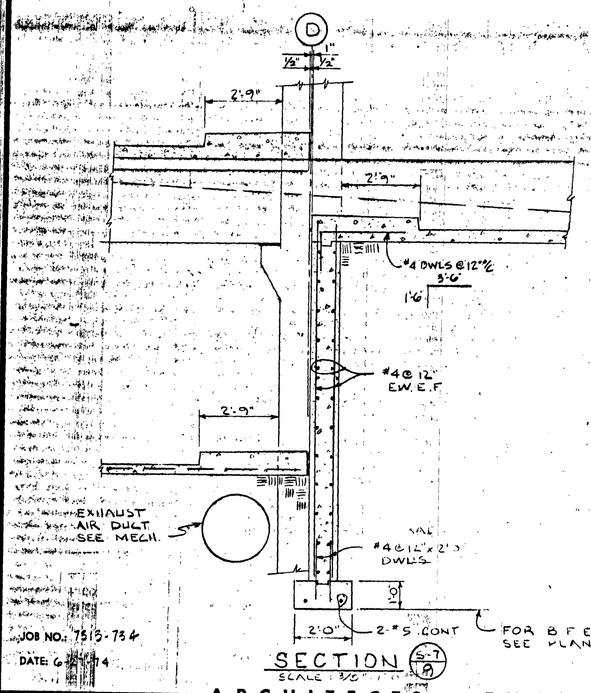
SECTION S-7/5
SCALE: 3/8"=1'0"



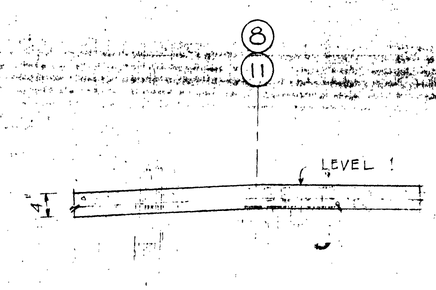
SECTION S-7/6



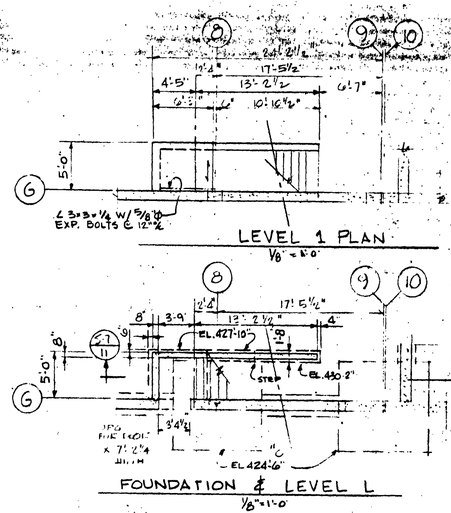
SECTION S-7/8
SCALE: 3/8"=1'0"



SECTION S-7/9
SCALE: 3/8"=1'0"

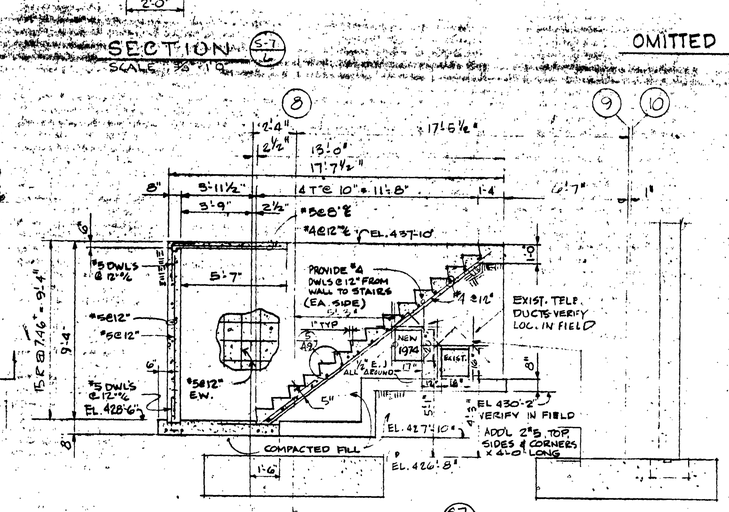


SECTION S-7/10
SCALE: 3/4"=1'0"



LEVEL 1 PLAN
⅛"=1'-0"

FOUNDATION & LEVEL L
⅛"=1'-0"



SECTION S-7/11
1/4"=1'-0"

(REVISED DUE TO M.U.S. DUCT CHANGED LOCATION)

OMITTED S-7/7

GRAY ROGERS MYERS & MORGAN
A DIVISION OF ELLERBE

JOB NO. 7513-734
DATE: 6-[illegible]-74

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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

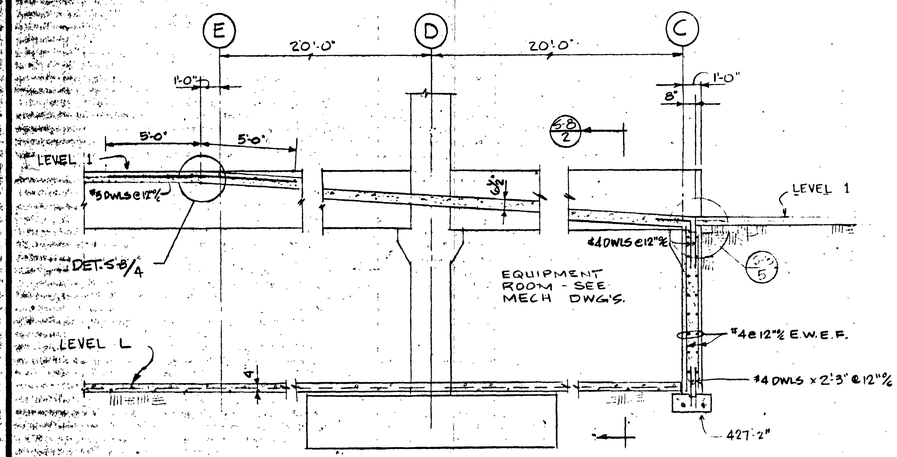
FOUNDATION DE

PETER KIEWIT SONS' CO.
FAIRBANKS ALASKA
DATE:

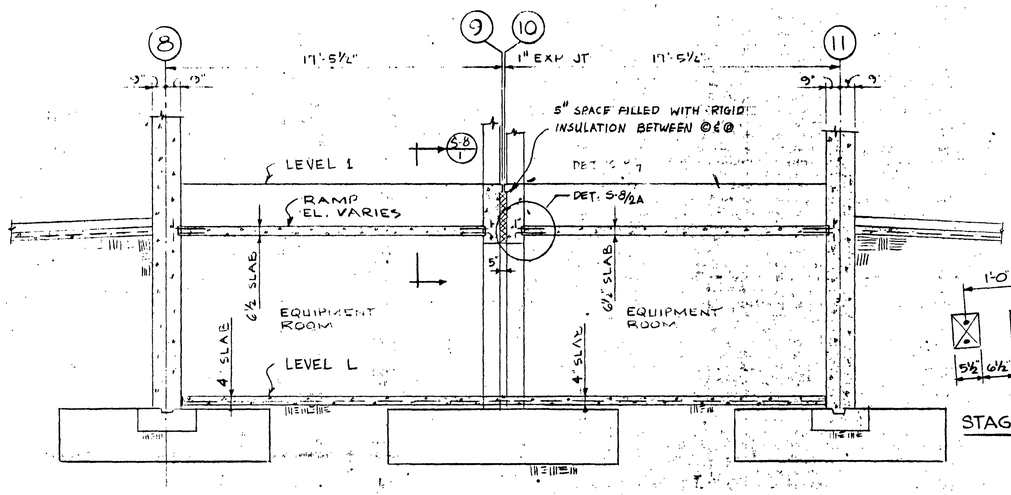
A5-BLT.

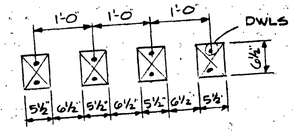
S-7

SHEET 27

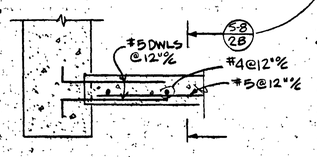


SECTION S-8/1
SCALE: 1/4"=1'-0"



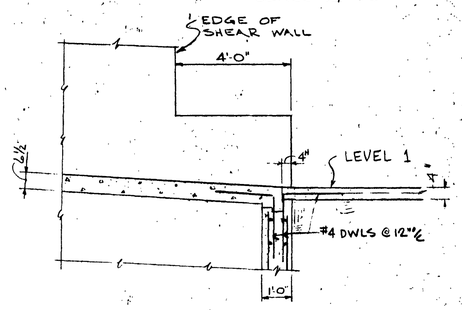


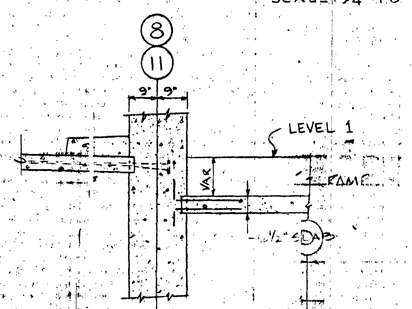
STAGGERED NOTCH LAYOUT S-8/2B



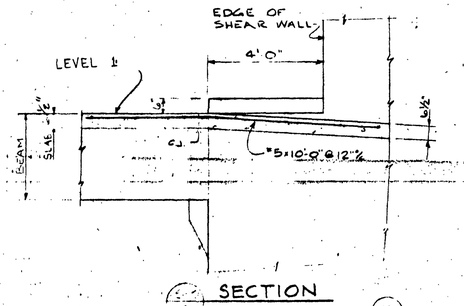
DETAIL S-8/2A
¾"=1'-0"

SECTION S-8/2
SCALE: ¼"=1'-0"

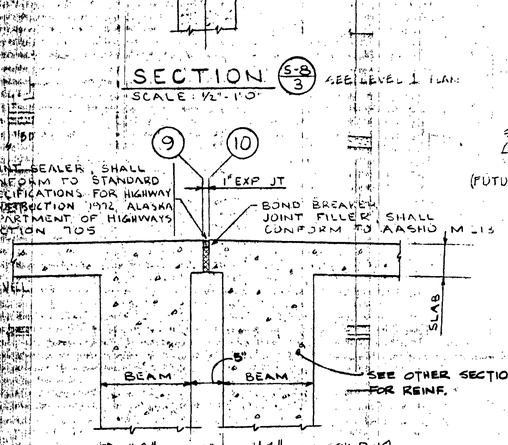




SECTION S-8/3
SCALE: ½"=1'-0"
SEE LEVEL 1 PLAN

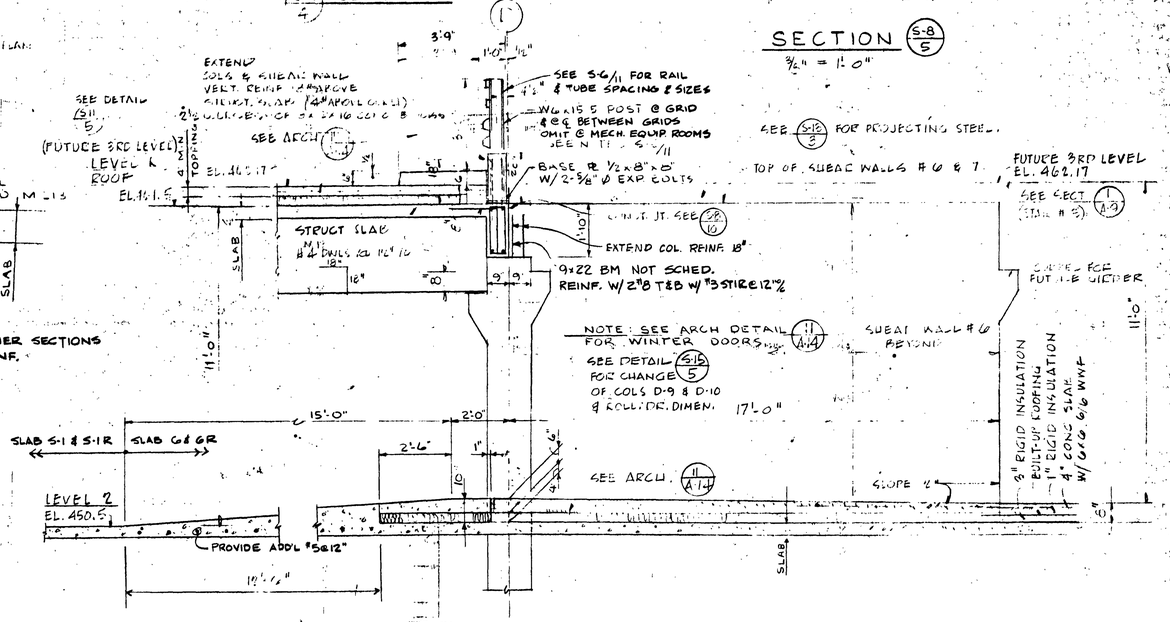


SECTION S-8/4



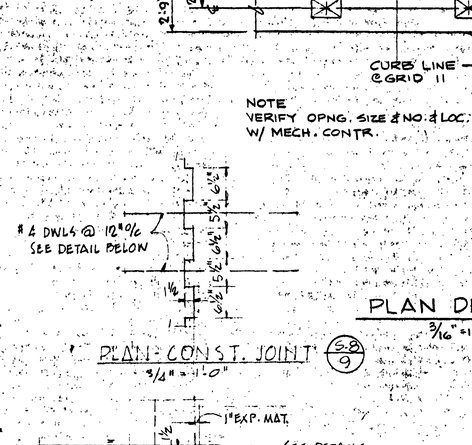
1" EXPANSION JOINT TYPICAL ALL LEVELS

SECTION S-8/7
SCALE: 1"=1'-0"



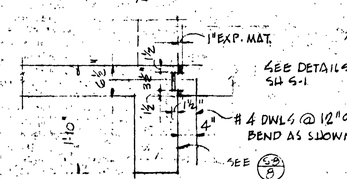
SECTION S-8/8 (FROM 11 TO 8)
SCALE: 3/16"=1'-0"

SECTION S-8/5
¾"=1'-0"



PLAN DETAIL S-8/6
3/16"=1'-0"

PLAN-CONST. JOINT S-8/9
3/4"=1'-0"



BEAM-CONST. JOINT AT FUTURE SLAB LOCATION S-8/10
3/4"=1'-0"

GRAY ROGERS MYERS & MORGAN
A DIVISION OF ELLERB

STRUCTURAL DET

JOB NO. 73-3-734
DATE: 6-27-74

ARCHITECTS • ENGINEERS • SURVEYORS
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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA-2-0130

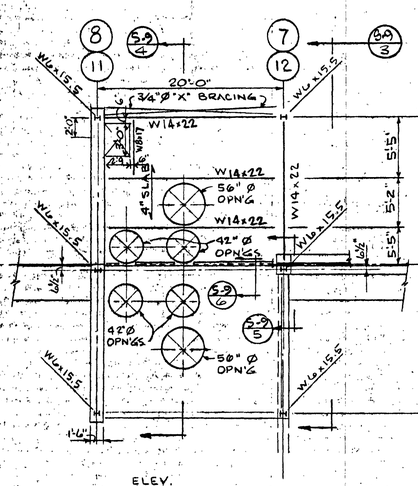
FAIRBANKS, AK.

PETER KIEWIT SONS' CO.

DATE:

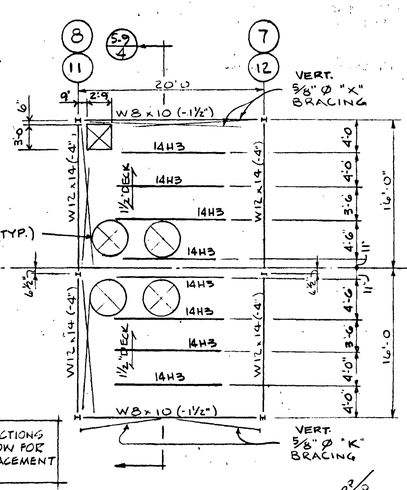
AS-BLT

SHEET 28



ELEV. EQUIPMENT ROOM
PART PLAN
SCALE : 1/8"=1'-0"
(ROOF LEVEL & MECH. PH. FLOOR)

S-9/1 S-9/1A OPP HAND

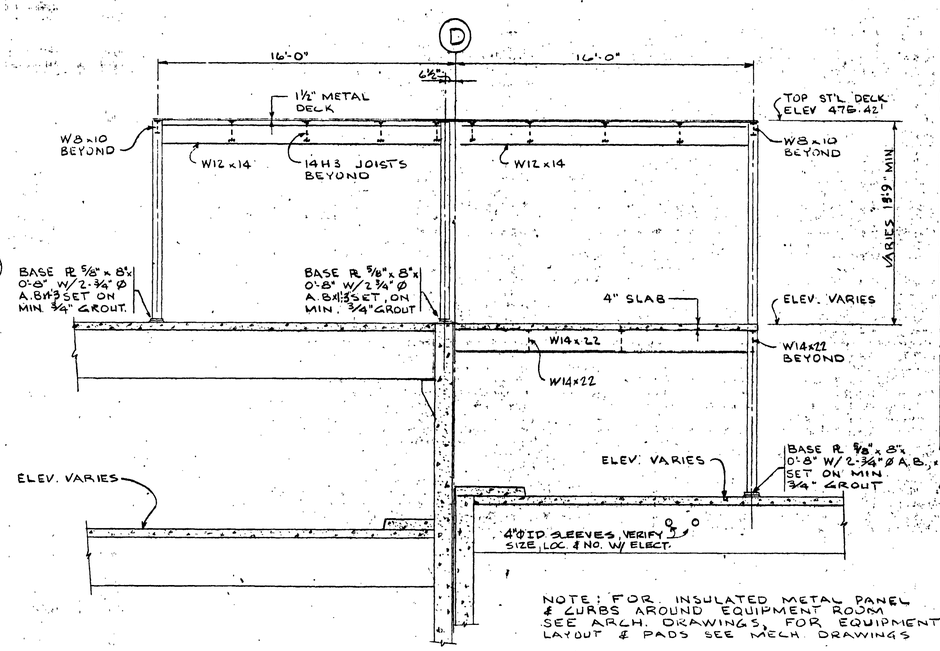


PART PLAN
SCALE : 1/8"=1'-0"
(MECH. EQUIP. ROOM ROOF)

S-9/2 S-9/2A OPP HAND

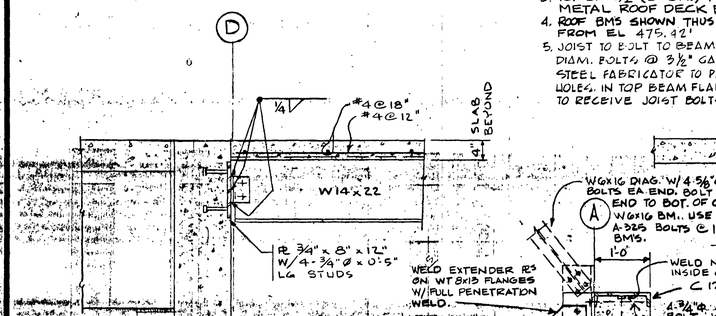
ALL STEEL FRAMING CONNECTIONS SHALL BE BOLTED TO ALLOW FOR FUTURE REMOVAL & REPLACEMENT OF PENTHOUSE.

NOTES:
1. REFER TO ARCH. DRAWINGS FOR LOC. OF CURB AROUND MECH. EQUIP. ROOM.
2. VERIFY OPNG LOC. W/ MECH CONTRACTOR.
3. TOP OF 1½" (20GA.) TYPE A METAL ROOF DECK EL. 475.42'
4. ROOF BMS SHOWN THUS (-4") FROM EL 475.42'
5. JOIST TO BOLT TO BEAM W/ 2-½"Ø DIAM. BOLTS @ 3½" GAGE EA END IN LIEU OF WELDING. STEEL FABRICATOR TO PROVIDE HOLES. IN TOP BEAM FLANGE TO RECEIVE JOIST BOLTS.



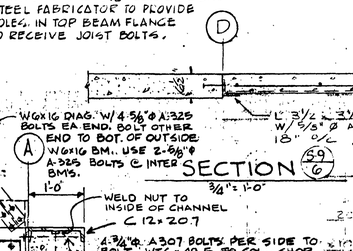
SECTION
S-9/3
SCALE : 1/4"-1'-0"
NOTE: ALL STEEL COLUMN ANC. BOLTS 1'-3 LG.

NOTE: FOR INSULATED METAL PANEL & CURBS AROUND EQUIPMENT ROOM SEE ARCH. DRAWINGS, FOR EQUIPMENT LAYOUT & PADS SEE MECH DRAWINGS



S-5/6 S-5/7

SECTION
SCALE : ¾"=1'-0"



S-9/8

DETAIL
¾"=1'-0"

S-9/9 S-9/10

DETAIL
¾"=1'-0"

S-9/7

CANOPY SECTION

CANOPY NOTES:
1. TRUSS CONNECTIONS TO DEVELOPE FORCES INDICATED ON SECTION S-9/7.
2. CONNECT TOP & BOT. BM'S. TO TOP & BOT. TRUSS CHORDS W/ 2-⅝"Ø A-325 BOLTS EXCEPT ROOF BM'S @ OUTSIDE FACE & BLDG FACE, USE 4-⅝"Ø A-325 BOLTS.
3. ROOF DECK TO BE 1½" (18 GA.)
4. WELD 18 GA ROOF DECK @ EA. RIB & EA. SUPPORT BM.
5. ALL ROOF DECK SIDE JOINTS TO BE WELDED @ 12" c/c
6. ROOF DECK MUST END @ 1" EXP JT. BTWN. GRIDS 9 & 10

S-5/6 2 — S-9 TO 12

SECTION
S-9/4
SCALE: ¼"=1'-0"

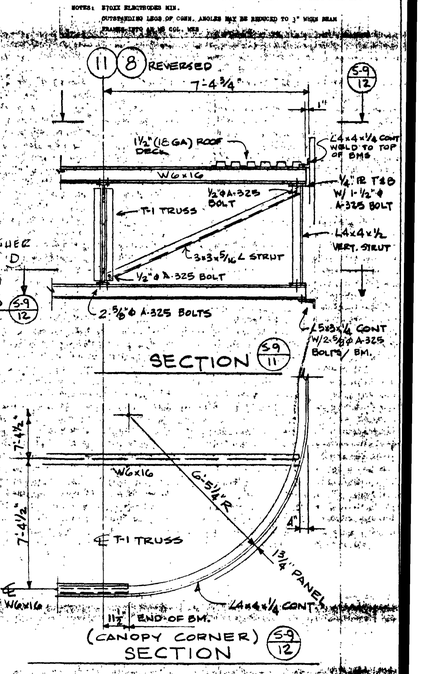
ROLLED WELDED BEAM PROJECTION REQUIREMENTS
(A-36 STEEL)

SEE TABLE FOR NO. AND SIZE OF H.S. A-325 BOLTS.

CONN. ⊥ℓ L X ½ THICK X LENGTH

BEAM DEPTH INCHES	NO. OF H.S. A-325 BOLTS	CONN. ANGLES THICK.	CONN. ANGLES LENGTH	¼"Ø H.S. BOLTS WELD SIZE	⅞"Ø H.S. BOLTS WELD SIZE
W36	20	1/2	2'-10½"	1/4	5/16
W33	18	3/8	2'-6½"	1/4	5/16
W30	16	3/8	2'-2½"	1/4	5/16
W27	14	3/8	1'-10½"	1/4	5/16
W24	12	3/8	1'-6½"	1/4	5/16
W21	10	3/8	1'-2½"	1/4	5/16
W18	8	3/8	0'-10½"	1/4	5/16
W16 X 45 & ABOVE	8	3/8	0'-10½"	1/4	5/16
W16 X 40	8	5/16	0'-11½"	1/4	1/4
W16 X 36	8	5/16	0'-11½"	1/4	1/4
W16 X 31 & BELOW	6	5/16	0'-11½"	1/4	1/4
W14 X 34 & ABOVE	8	5/16	0'-10½"	1/4	1/4
W14 X 30 & BELOW	6	5/16	0'-10½"	1/4	1/4
W12 X 26 & ABOVE	6	5/16	0'-10½"	1/4	1/4
W12 X 22 & BELOW	4	5/16	0'-10½"	1/4	1/4
W10 X 22 & ABOVE	4	5/16	0'-10½"	1/4	1/4
W10 X 19 & BELOW	4	5/16	0'-9½"	1/4	3/16
W8 X 28 & ABOVE	4	5/16	0'-9½"	1/4	1/4
W8 X 24 & BELOW	4	5/16	0'-9½"	1/4	3/16
W6 & W5	2	5/16	0'-9½"	1/4	3/16

NOTES: 1. STOCK ELECTRODES MIN.
2. OUTSTANDING LEGS OF CONN. ANGLES MAY BE REDUCED TO 3" WHEN SHEAR CONNECTORS ARE USED.



S-9/11 — S-9/12

PENTHOUSE FRAMING PLANS AND DETAILS

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STATE OF ALASKA
DEPT. OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

GRAY ROGERS MYERS & MORGAN
A DIVISION OF ELLERBE

JOB NO.: 7513-72-4
DATE: 6-27-74

DATE

AS-BLT

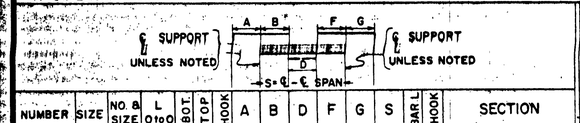
S-9

SHEET 29 OF 40

R-39.16

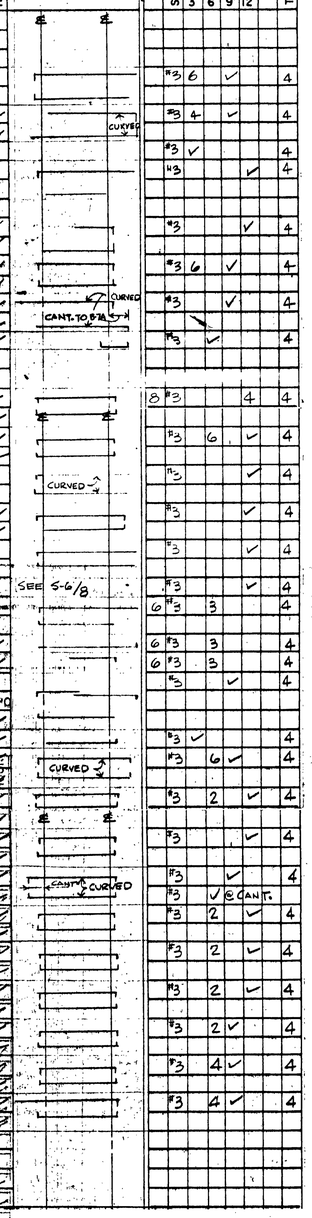
BEAM SCHEDULE

"A" DIMENSION AT NORTH OR WEST



NUMBER	SIZE	NO. & SIZE O to O	BOT.	TOP	HOOK	A	B	D	F	G	S	BAR L	HOOK
B-1	12x14	3#7	30-9		✓	3-0				7-9	20-0		
		3#5	24-3	✓		3-0				1-3			
B-2	12x14	3#6		✓					7-9	CURVED	13-5		✓
		3#6			✓	1-3				CURVED			✓
B-3	12x14			CURVED		REINF. SCHED. W/ B-2							
B-4	14x36	3#9	35-9		✓	✓	0-6			6-0	20-6		
		2#6	20-6	✓									
B-5	12x36	3#6	8-6		✓				8-0	0-6	16-10		✓
		3#6	16-10	✓									✓
B-6	12x14	3#7	21-7		✓	✓	0-6			3-0	18-1		✓
		3#5	21-7	✓		✓	0-6			3-0			✓
B-7	12x36	3#6			↖		9-10				CURVED		✓
		3#6		✓						2-2			✓
B-7A	12x26	3#6	2-9	✓		✓			0-7	2-2	2-4		✓
B-8	8x26	2#6	22-1		✓	✓	0-3			0-1	22-9		✓
		2#9	22-1	✓			0-3			0-1			✓
B-9	12x16	2#7	12-3		✓	✓	0-6			0-6	11-3		✓
		2#7	12-3	✓		✓	0-6			0-6			✓
B-10	12x36	3#7			✓	✓	0-6				CURVED		
		3#7		✓			0-6						
B-11	12x36	3#8	38-5		✓	✓	0-6			3-0	34-11		✓
		3#8	37-11	✓						3-0			✓
B-12	14-6½x	4#6	20-0		✓	✓	0-9			11-5	7-10		
		4#6	20-0	✓		✓	0-9			11-5			
B-13	14x24	REINF. SCHED. W/ B-12								7-0			
B-14	8x16	2#6	27-2		✓	✓	0-3			12-0	14-11		
		2#6	16-5	✓			0-3			1-3			
B-15	8x16	2#5	7-4	✓			1-3			0-3	5-10		✓
B-16	8x16	2#5	6-0	✓		✓			5-9	0-3	9-0		✓
B-17	8x24	2#5	11-11		✓	✓	0-3	11-8			20-9		
		2#8	21-0	✓		✓	0-3						PPD
		2#8	20-11		✓				11-8	9-3			✓
B-18	8x16	2#5	9-3	✓						0-3	9-0		✓
B-19	12x20	3#8			✓	✓	0-6			3-0	CURVED		✓
	SIZE	3#8		✓		✓	0-6			3-0			✓
B-20	8x18	2#6	21-3	✓		✓	0-3			0-3	20-9		✓
		2#6	21-3	✓		✓	0-3			0-3			✓
B-21	8x18	2#5	9-2		✓	✓	0-6			0-3	8-5		✓
		2#5	9-2	✓		✓	0-6			0-3			✓
B-22	12x18	2#6			✓	✓	2-2			0-6	CURVED		✓
		2#6		✓		✓	2-2			0-6			✓
B-23	12x18	2#6	16-2		✓	✓	0-6			0-3	15-1		✓
		2#6	16-2	✓			0-6			0-3			✓
B-24	12x18	2#6	17-10		✓	✓	0-6			0-6	16-10		✓
		2#6	17-10	✓		✓	0-6			0-6			✓
B-25	8x18	2#6	22-1		✓	✓	0-3			0-1	21-9		✓
		2#6	22-1	✓		✓	0-3			0-1			✓
B-26	12x18	2#7	17-9		✓	✓	0-6			0-6	16-9		✓
		2#7	17-9	✓		✓	0-6			0-6			✓
B-27	12x18	2#7	9-6		✓	✓	0-3			0-3	9-0		✓
		2#7	9-6	✓		✓	0-3			0-3			✓
B-28	12x18	2#8	25-4		✓		4-0			0-3	21-1		✓
		2#8	21-7	✓		✓	0-3			0-3			✓

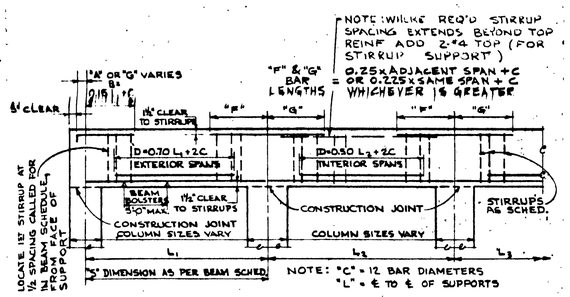
SECTION



STIRRUP ④

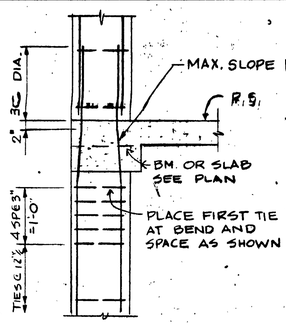
NO.	SIZE	SPACING FROM END 3"	6"	9"	12"	TYPE
	#3	6		✓		4
	#3	4		✓		4
	#3	✓				4
	#3				✓	4
	#3					
	#3			✓		4
	#3	6	✓			4
	#3			✓		4
	#3		✓			4
	#3				✓	4
8	#3			4		4
	#3	6		✓		4
	#3				✓	4
	#3				✓	4
	#3			✓		4
	#3	6	✓			4
	#3	3		✓		4
6	#3	3				4
6	#3	3				4
	#3			✓		4
	#3	6	✓			4
	#3	2		✓		4
	#3			✓		4
	#3		✓			4
	#3	✓	@ CANT.			
	#3	2		✓		4
	#3	2		✓		4
	#3	2	✓			4
	#3	4	✓			4
	#3	4	✓			4

NOTES:
1. SEE PLAN DETAILS SHT. S-3, S-4 & S-5 FOR CURVED BEAMS
2. ✓ INDICATES BM. STIRRUPS TO BE CONT. @ SPACING INDICATED.



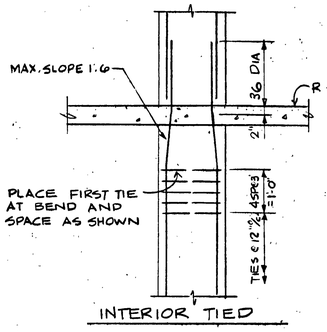
TYPICAL BEAM DIAGRAM

NOTES:
1. UNLESS SHOWN OTHERWISE IN BEAM SCHEDULE, THE FOLLOWING CONDITIONS SHALL GOVERN FABRICATION OF REINFORCING STEEL: ALL LENGTHS GIVEN IN SCHEDULE ARE FINISHED BAR LENGTHS AND DO NOT INCLUDE ADDITION OR REDUCTION REQUIRED FOR MAKING BENDS ALL VARIATIONS FROM TYPICAL DIAGRAM ARE NOTED IN SCHEDULE.
2. FOR SPANDREL BEAMS LAP TOP BARS 12" MINIMUM.



EXTERIOR TIED

NOTE
ALL COLUMN TIES TO BE #3 @ 12" ℄ U.N.



INTERIOR TIED

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Sheets S-1 thru S-14 indicate a cast-in-place post tensioned beam and slab structural system. The quantities of post tensioning force and/or materials along with the quantities of conventional reinforcing shown on Sheets S-1 thru S-14 are the Engineer's solution to sustain the gravity floor loads as indicated on the plans and meet the indicated Code requirements. The Engineer is aware that there may be other combinations of post tensioning materials and conventional reinforcing materials that will adequately sustain the gravity floor loads and still meet the indicated code requirements. The Contractor may at his own option submit an alternate design for the post tensioned beam and slab structural system only utilizing other combinations of post-tensioning and conventional reinforcing materials. Member sizes, widths, thicknesses, lengths, depths, etc. shall remain as indicated on the drawings. The proposed alternate design for the post tensioned beam and slab structural system shall be submitted to the Engineer for approval prior to the commencement of any work. The submitted alternate design shall clearly indicate the amounts of post tensioning materials and conventional reinforcing materials to be used and all pertinent details. The submitted alternate design shall be accompanied by structural calculations done under the supervision of a registered professional engineer experienced in post-tensioned concrete design. The ~~calculations~~ shall clearly indicate the post-tensioning force assured, friction losses assured, conventional reinforcing used, working stresses, shear reinforcement calculations, ultima moment capacity, and all other pertinent calculations required to satisfy the ACI 318-71 Code and the Uniform Building Code 1973.

FUTURE 3RD LEVEL

(SEE S-14/4 FOR TYPICAL COLUMN & P.T GIRDER DETAILS)

COLUMN SCHEDULE

POURED-IN-PLACE COLUMNS

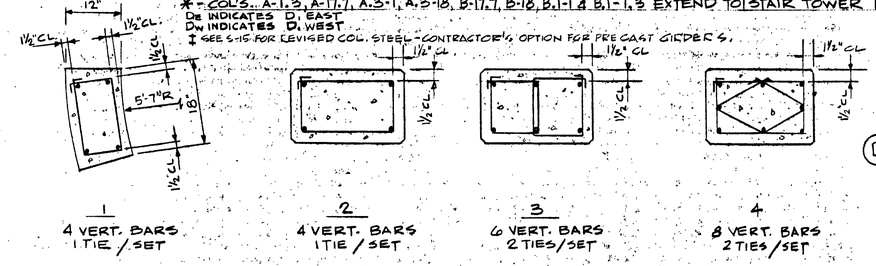
SUPPORTING \ COLUMN NUMBER		A.3-1* A.3-18* F.7-1 F.7-18	A.7-17	A-1.5‡ 2, 6 THRU 13, 17, 17.7* D.1, B-17.7, D.5-17.7, Dw-3 Dw-4, 15, 16, De-3, 4, 15, 16 F-1, 18, G-1.3, 2, 6.7, 13, 12, 17 G-17.7, F-7.1, F-7-18	D-2 D-17	D-9 D-10	G-8 G-9 G-10 G-11	B.1-1.3*	A.7-17.7
STAIR 18'2 TOWER	SIZE	*		* 12x18				* 8x16	
	REINF.	4#7		4#7					
LEVEL R ROOF	SIZE			12x18	18x25	16x18	12x18	8x16	
	REINF.	4#8		‡ 4#8	4#10	‡4#8	‡4#8		
LEVEL 2	SIZE		14x14	12x18	18x25	16x18	12x18	8x16	8x16
	REINF.	4#10	4#7	‡ 4#10	6#10	‡4#10	‡4#10		4#6
LEVEL 1	SIZE					16x18	12x18		
	REINF					‡4#10	‡4#10		
SECTION		1	2	2	2 & 3	2	2		2

SEE S-1F FOR COLUMN TOLL REQUIREMENTS & CONCEPTUAL DETAILS FOR PRECAST GIRDER ALTERNATION

EXTEND COL. REINF. BARS (GRADE LINE (-) 18" AT ROOF LEVEL (FUTURE 3RD LEVEL) FOR FUTURE CULVERT. ENCLOSE IN CONC. ENCASEMENT (S-11/2)

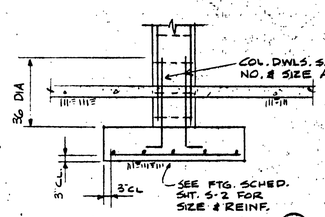
EXTEND REINF. BARS 4" AT ROOF LEVEL STAIRS SEE (S-11/6) - ALSO ALL COLS ON A, G, 1 & 8 (S-11/7)

*= COL'S. A-1.3, A-17.7, A.3-1, A.3-18, B-17.7, B-18, B.1-1 & B.1-13 EXTEND TO STAIR TOWER 18'2 (REINF. W/ 4#7)
De INDICATES D: EAST
Dw INDICATES D: WEST
‡ SEE S-15 FOR REVISED COL. STEEL - CONTRACTOR'S OPTION FOR PRECAST GIRDERS.

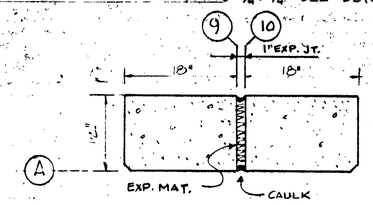


COLUMN SECTIONS

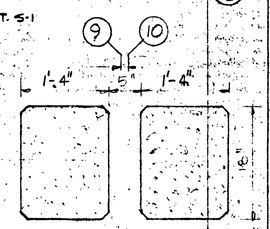
NOTES: 1. FOR COL SIZE & REINF IN SHEAR WALLS SEE SHTS. S-11, S-12 & S-13
2. CHAMFER EXPOSED CORNERS OF COLUMNS ¾"x¾" SEE DET. ON SHT. S-1



TYP. FOOTING DETAIL (S-10/1)
POURED-IN-PLACE COL



DETAIL (S-10/2)
1" = 1'-0"



DETAIL (S-10/4)
1" = 1'-0"

NOTE: CHAMFER CORNERS EXCEPT COLS AT ROLLING DOOR JAMBS (12/A-2)

BEAM AND COLUMN SCHEDULE AND DETAILS

JOB NO. 7314-734
DATE: 6-27-74

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JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

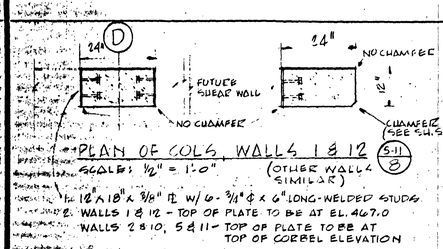
FAIRBANKS, AK.

DATE:

AS-BLT

S-10

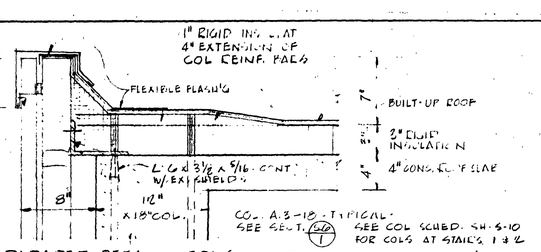
SHEET 30 OF 40



PLAN OF COLS. WALLS 1 & 12 (S-11/8)

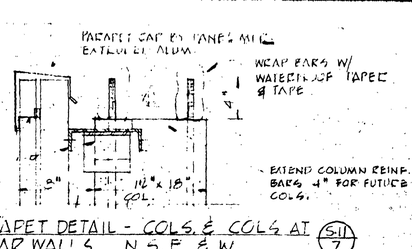
SCALE: 1/2" = 1'-0" (OTHER WALLS SIMILAR)

1. WALLS 1 & 12 - 12"x18" w/ 6-3/4" ϕ x 6" LONG WELDED STUDS
2. WALLS 2 & 10, 5 & 11 - TOP OF PLATE TO BE AT TOP OF CORBEL ELEVATION



PARAPET DETAIL - COLS. AT STAIRS NO 1 & NO 2 (S-11/6)

SCALE 1½" = 1'-0"

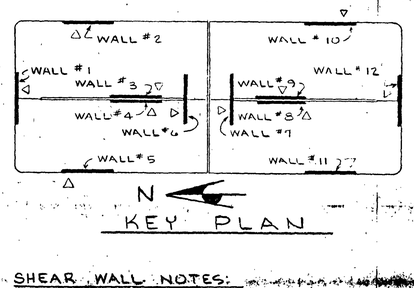


PARAPET DETAIL - COLS. & COLS AT SHEAR WALLS N, S, E, & W. (S-11/7)

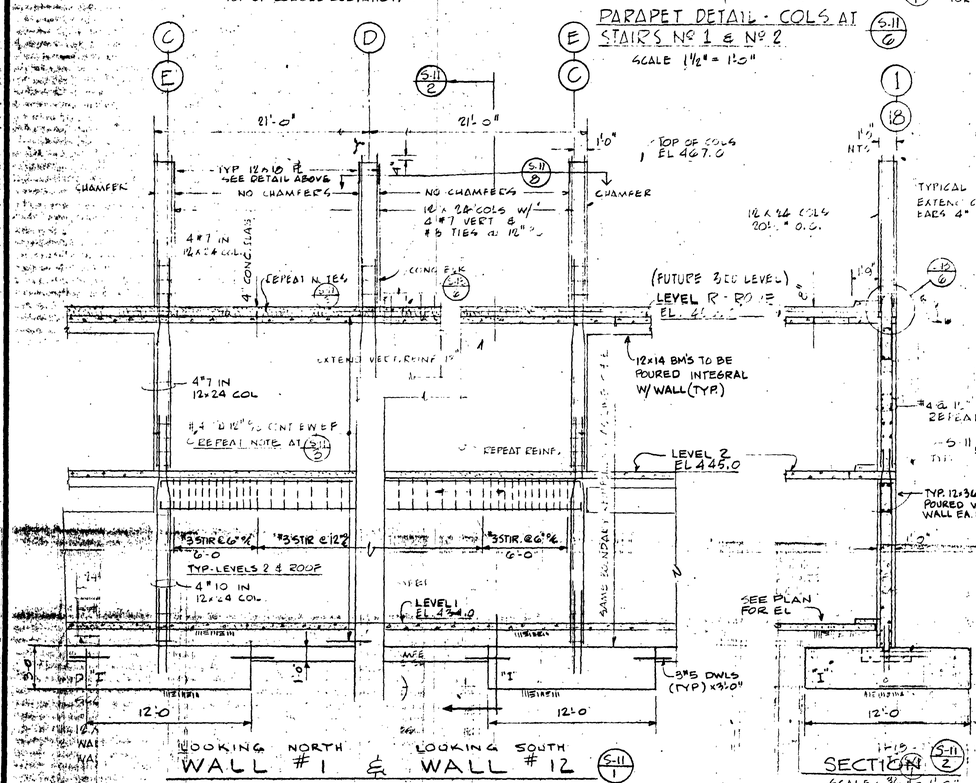
SCALE: 1½" = 1'-0"

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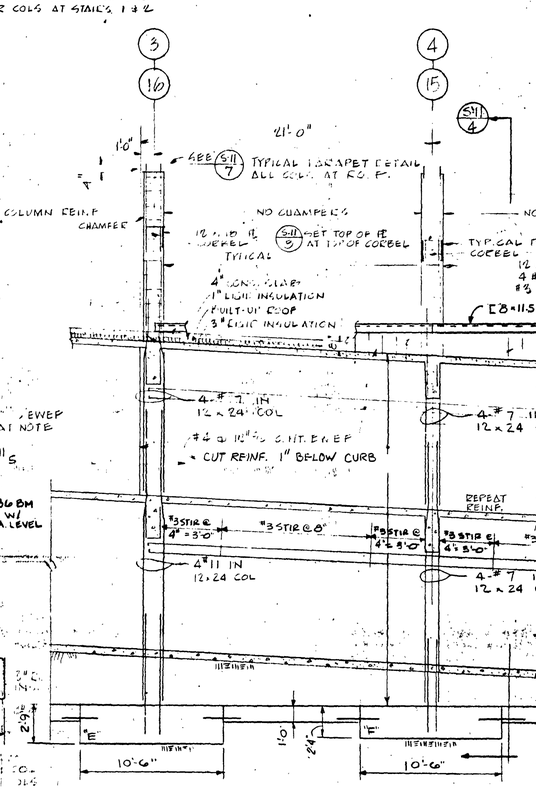
KEY PLAN



LOOKING NORTH — LOOKING SOUTH

WALL #1 & WALL #12 (S-11/1)

SCALE 3/16" = 1'-0"



SECTION (S-11/2)

SCALE 3/16" = 1'-0"

NOTE: PROVIDE 12x36 BM (TYP. ALL FRAMED LEVELS, SEE SECTION) REINF. W/ 2 #10 TOP & 4 #10 BOT. STIRRUPS #3 @ 6" o/c FOR 1ST 6'-0" FROM EACH COLUMN & #3 @ 12" o/c FOR REMAINDER OF BEAM.
FOR WALL LOCATION SEE KEYPLAN THIS SHEET

LOOKING EAST — LOOKING WEST

WALL #2 & WALL #10 (S-11/3)

SCALE: 3/16" = 1'-0"

NOTE: PROVIDE 12x18 BM (TYP. ALL FRAMED LEVELS, SEE SECTION) REINF. W/ 2 #7 TOP & BOT., STIRRUPS #3 @ 4" o/c FOR 1'-3'-0" FROM EACH COL. FACE & #3 @ 8" o/c FOR REMAINDER OF BM.
FOR WALL LOCATION SEE KEY PLAN THIS SHEET

SECTION (S-11/4)

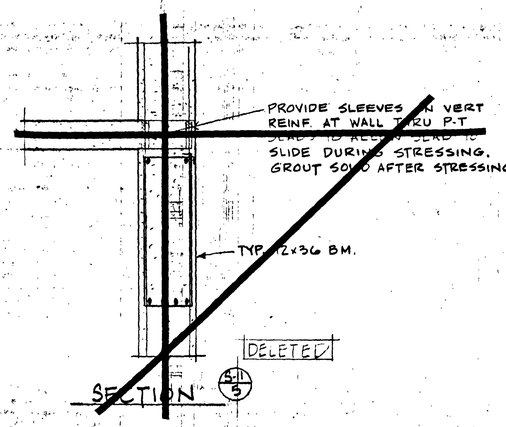
SCALE 3/16" = 1'-0"

SHEAR WALL NOTES:

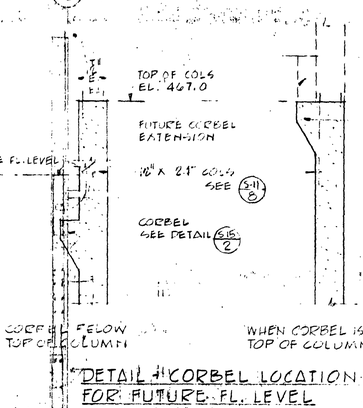
1. ALL HORIZONTAL REINFORCING SHALL BE HOOKED INTO CAGE OF BOUNDARY REINFORCING.
2. ALL VERTICALS SHALL BE FULLY DEVELOPED WITH DOWELS INTO THE FOOTING.
3. ALL SPLICES IN REINFORCING BE TREATED AS CLASS B TENSION LAP SPLICES AND SHALL BE STAGGERED SUCH THAT NOT MORE THAN 50% ARE SPLICED AT A GIVEN SECTION.

BAR SIZE	REQUIRED LAP
#5	20"
#6	24"
#7	30"
#8	39"
#9	49"
#10	63"
#11	77"

4. TIES FOR BOUNDARY REINFORCING SHALL BE #4 @ 12" o/c W/ 3 EXTRA TIES @ 3" SPACING AT BAR BENDS AND 10 EXTRA TIES @ 2" SPACING BELOW AND ABOVE "BEAM BEARING" POINTS.
5. ALL CONSTRUCTION JOINTS AND DETAILS MUST FOLLOW THOSE SHOWN ON THESE DRAWINGS.
6. SEE S-14/5 FOR TYPICAL POST-TENSIONED BEAM TO SHEAR WALL DETAIL.
7. SEE SHT. S-15 FOR HAUNCH DETAILS FOR PRECAST GIRDER OPTION.
8. PLACE ADD'L #4 x 4'-0" VERT. @ 12" o/c E.F. ALL HORIZ. CONSTRUCTION JOINTS IN SHEAR WALLS. SEE DETAIL AT LEFT.
9. ALL SHEAR WALL DETAILS INDICATED FOR P-T SYSTEM ONLY.



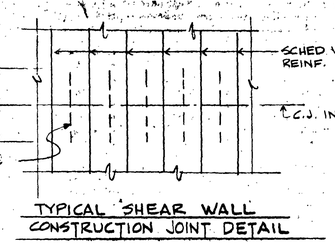
SECTION (S-11/5)



DETAIL # CORBEL LOCATIONS FOR FUTURE FL. LEVEL (S-11/9)

SCALE: 3/8" = 1'-0"

NOTE: SET 11'-3" FL. TO FL. HEIGHT. IF CORBEL EL. FIGURES ABOVE TOP OF COL., SET CORBEL AT COL. HEIGHT, EL. 467.0



TYPICAL SHEAR WALL CONSTRUCTION JOINT DETAIL

JOB NO.: 7312+734

DATE: OCT. 74

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JUNEAU ALASKA

STATE OF ALASKA — 49TH — No. 494-E — REGISTERED PROFESSIONAL ENGINEER

FAIRBANKS PARKING STRUCTURE

DBA - 2 - 0130

FAIRBANKS, AK.

SHEAR WALL ELEVATIONS AND DETAILS

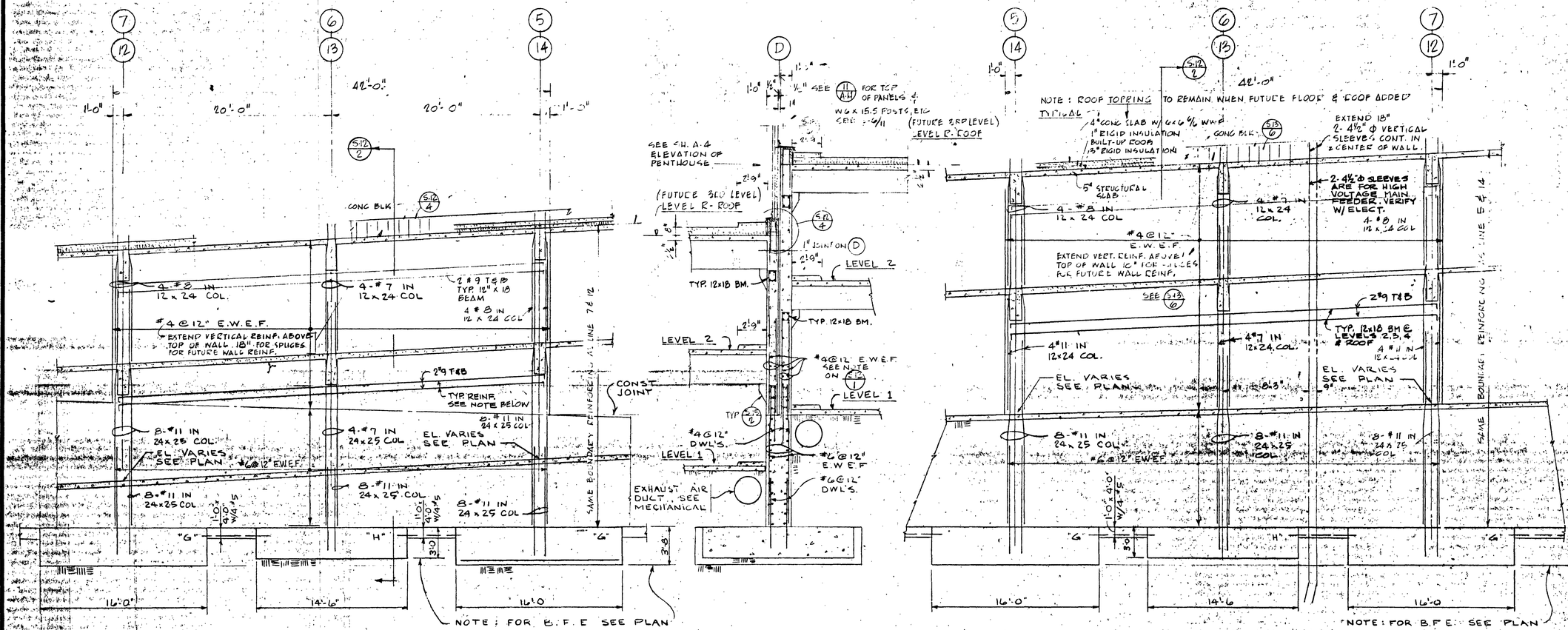
DEER KIEWIT SONS' CO.

AS-BLT

S-11

SHEET 31 OF 49

R 39-16



LOOKING WEST WALL #3 & LOOKING EAST WALL #9 (S-12/1)

SCALE 3/16" = 1'-0"

NOTE: PROVIDE 12x18 BEAM (TYPICAL ALL FRAMED LEVELS, SEE WALL ELEV REINF. WITH 2-#9, TOP & BOT. STIRRUPS #3@4" FOR 1'2" 3'-0" FROM EACH COLUMN & #3@8" FOR REMAINDER OF BEAM

FOR WALL LOCATION SEE KEY PLAN ON SHEET NO. S-11

SEE ADD'L NOTES ON SHT. S-11

SECTION (S-12/2)

SCALE 3/16" = 1'-0"

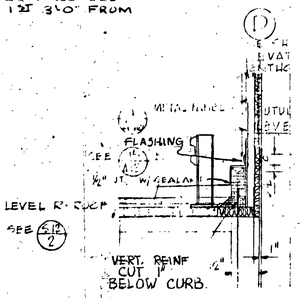
LOOKING EAST WALL #4 & LOOKING WEST WALL #8 (S-12/3)

SCALE 3/16" = 1'-0"

NOTE: FOR WALL LOCATION SEE KEY PLAN ON SHEET NO. S-11

SLEEVES SHOWN ARE FOR WALL #4 ONLY

SEE ADD'L NOTES ON SHEET S-11



SECT. C.I.I AT SHEAR WALLS (S-12/4)

3/4" = 1'-0"

SHEAR WALL ELEVATIONS

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FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

PETER KIEWIT SONS' CO.

FAIRBANKS ALASKA

APPROVED:

DATE

AS-BLT

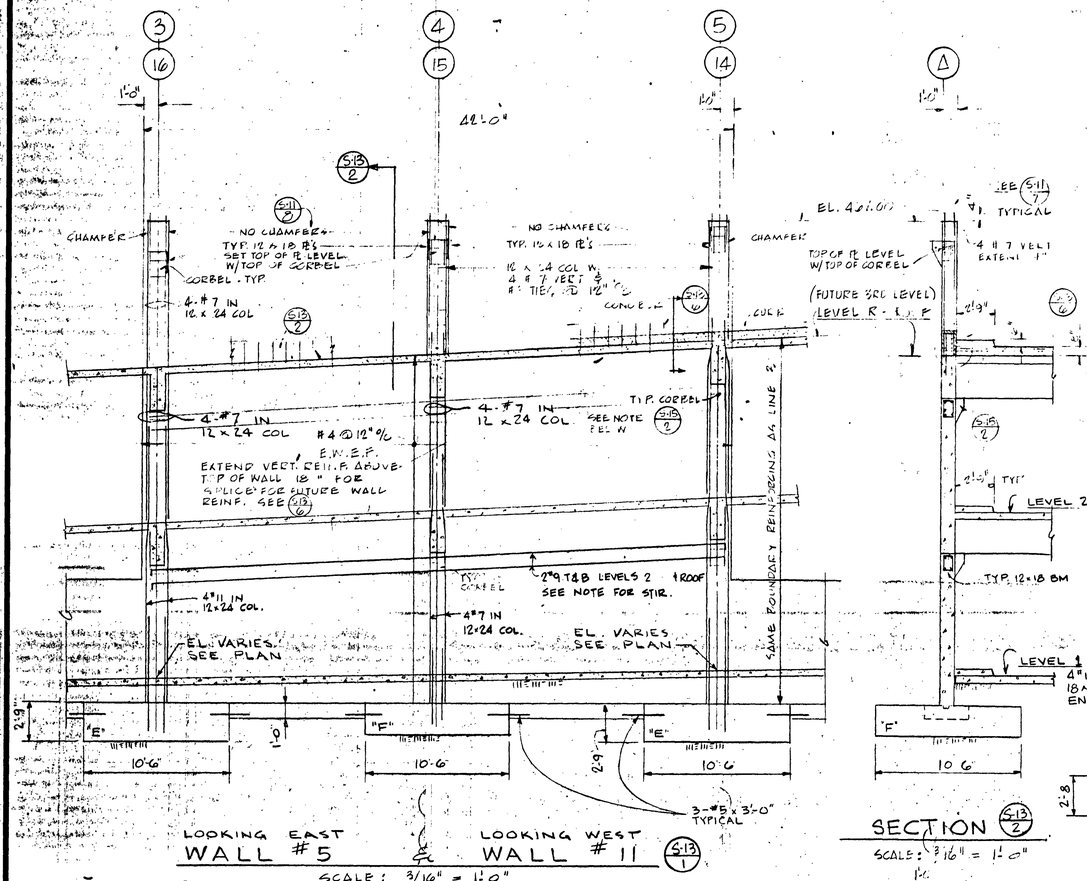
S-12

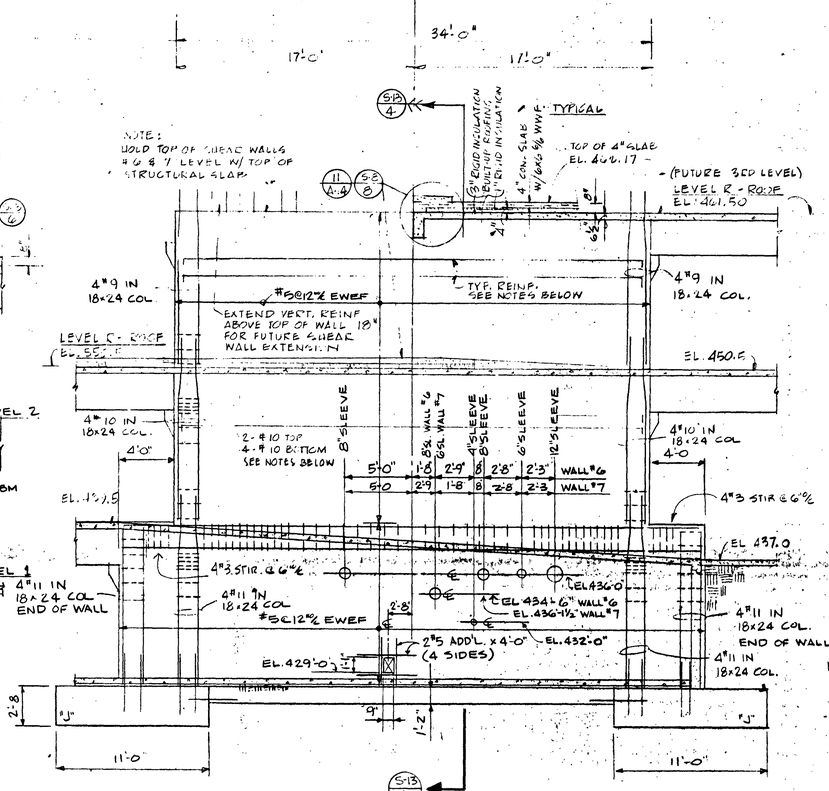
SHEET 32 OF 49

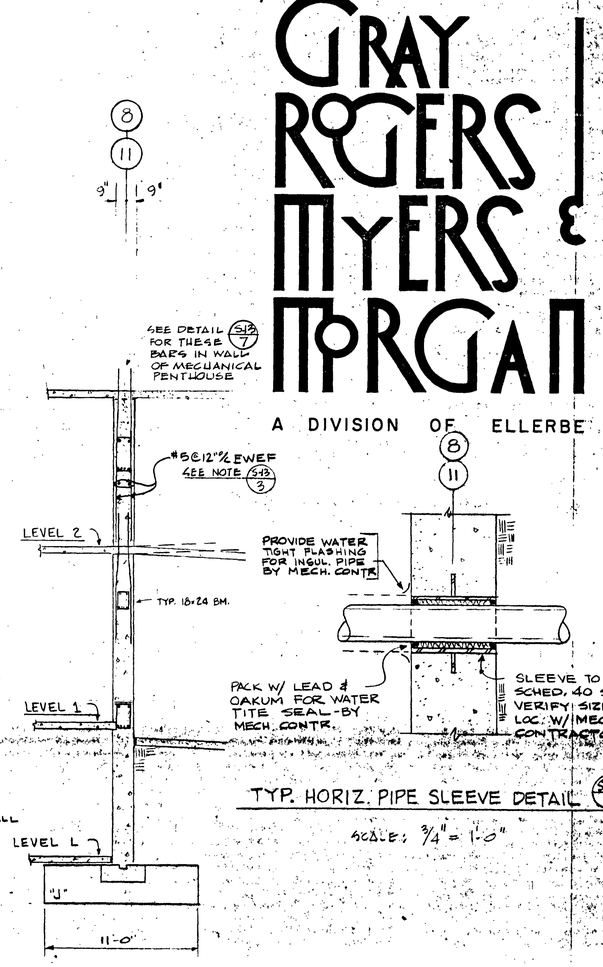
JOB NO. 7813-734

DATE 6-27-74

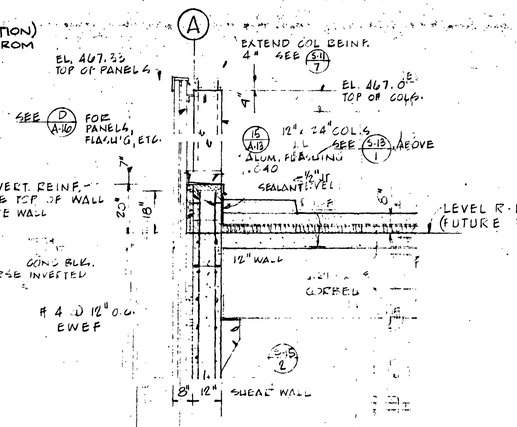
STATE OF ALASKA 49TH No. 494-E REGISTERED PROFESSIONAL ENGINEER







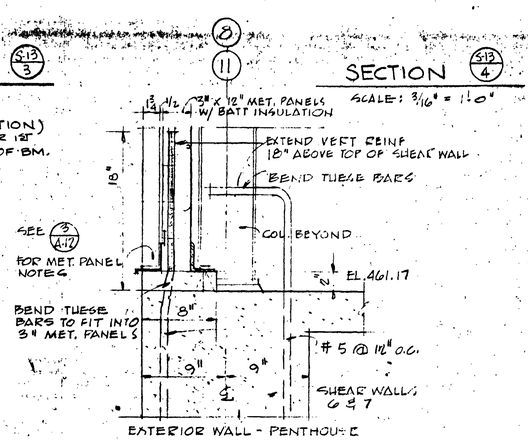
NOTES
1. PROVIDE 12x18 BEAM (TYP. ALL FRAMED LEVELS, SEE SECTION) REINF. W/ 2-#9 TOP & BOT., STIRRUPS, #3@4"c/c FOR 1ST 3'-0" FROM EA. COLUMN & #3@12"c/c FOR REMAINDER OF BEAM.
2. FOR WALL LOCATION SEE KEY PLAN ON SHEET S-11
3. FOR ADDL. NOTES SEE SHT. S-11



SECTION - SHEAR WALL (VERTICAL REINF. EXTENSION)
SCALE: 3/8" = 1'-0"

WALL #6 & WALL #7
SCALE: 3/16" = 1'-0"

NOTES:
1. PROVIDE 18x24 BEAM (ALL FRAMED LEVELS, SEE SECTION) REINF. W/ 2-#10 TOP & 4-#10 BOT., STIRRUPS #3@6" FOR 1'-6" FROM EACH COLUMN & #3@12" FOR REMAINDER OF BM.
2. FOR WALL LOCATION SEE KEY PLAN SHEET S-11.
3. SEE S-13/5 FOR SLEEVE DETAIL
4. FOR ADDL NOTES SEE SHT. S-11



SECTION AT SHEAR WALLS 6 & 7 SHOWING VERT. REINF. EXTENDED 18"
SCALE: 1½" = 1'-0"

SHEAR WALL ELEVATIONS

JOB NO. 7813-734
DATE: 4-27-74

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FAIRBANKS PARKING STRUCTURE

DBA-2-0130

FAIRBANKS, AK.

GRAY ROGERS MYERS & MORGAN
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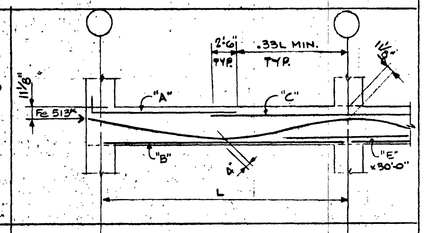
PETER KIEWIT SONS' CO.
DRAWN BY: wHoople
DATE:
CHECKED BY: AS-BLT

S-13

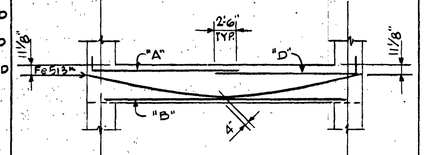
SHEET 33 OF 49

TYPICAL POST-TENSION STRAND PROFILES

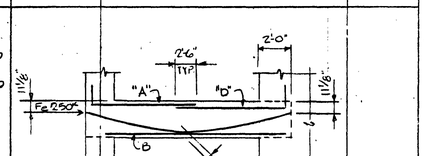
G-1 THUS
G-2 OPP. HAND
G-8 THUS
G-9 OPP. HAND
14 x 36



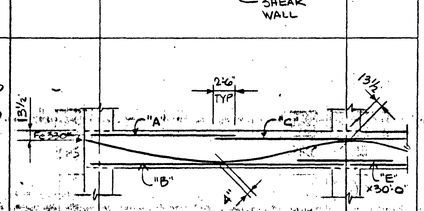
G-3 THUS
G-3R OPP. HAND
G-10 THUS
G-10R OPP. HAND
G-11 THUS
G-11R OPP. HAND
14 x 36



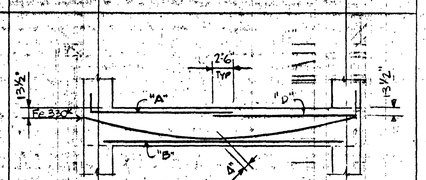
G-4 THUS
G-4R OPP. HAND
G-12 THUS
G-12R OPP. HAND
14 x 36



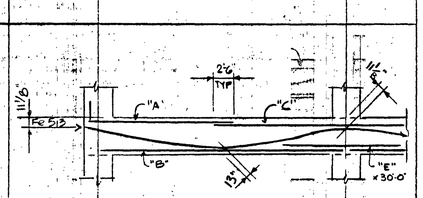
G-5 THUS
G-6 OPP HAND
G-14 THUS
G-15 OPP. HAND
14 x 36



G-13 THUS
14 x 36



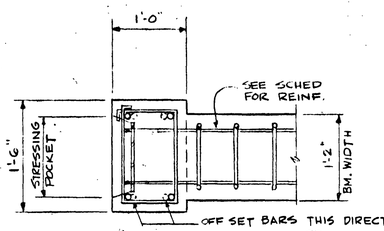
G-7 THUS
14 x 36



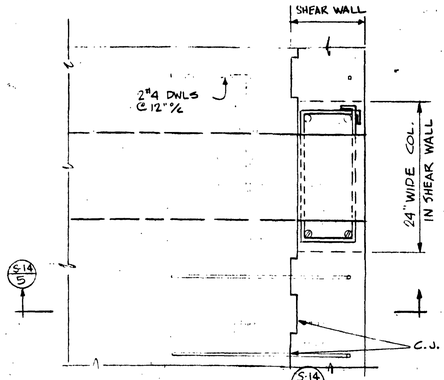
ADDITIONAL REINFORCING REQUIRED						STIRRUPS REQ'D @ SPACING FROM EA. END				
GIRDER	"A"	"B"	"C"	"D"	"E"	3"	6"	9"	12"	24"
G-1, G-2 OPP. HAND	2#7	2#7	6#9 @ LAY		8#9 @ LAY					
G-3, G-3R OPP HAND	2#7	2#7		2#9						
G-4, G-4R OPP HAND	2#7	2#7		2#7						
G-5 G-6 OPP. HAND	2#7	2#7	4#9		4#9					
G-7	2#7	2#7	6#9 @ LAY		8#9 @ LAY					
G-8, G-9 OPP HAND	2#6	2#8	8#10 @ LAY		8#10 @ LAY			22		
G-10, G-10R OPP. HAND	2#7	2#7	8#9 @ LAY		2#7			22		
G-11, G-11R OPP HAND	2#7	2#7	8#9 @ LAY		2#7		17	13		
G-12, G-12R OPP. HAND	2#7	4#8			2#7					
G-13	2#7	3#7			2#7					
G-14, G-15 OPP. HAND	2#7	2#7	6#9 @ LAY		4#9					

STIR. TYP. FOR P.T GIRDERS

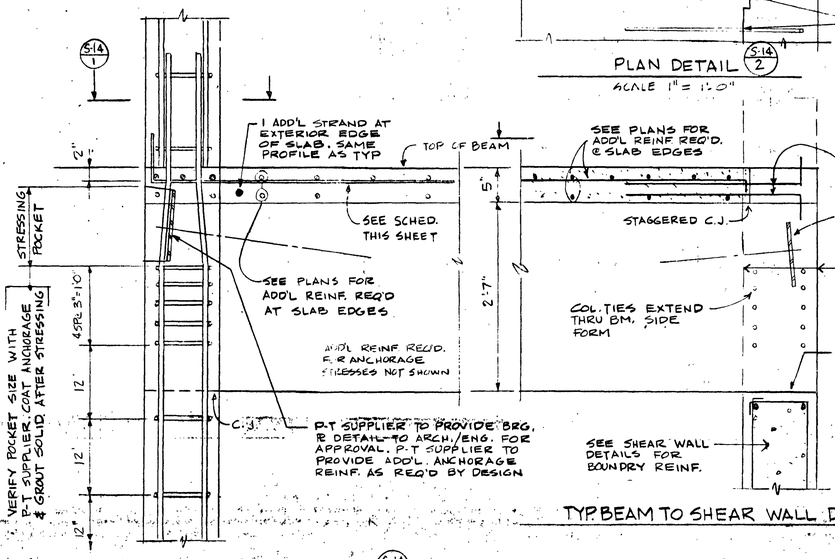
JOB NO. 7313-74
DATE: 6-27-74



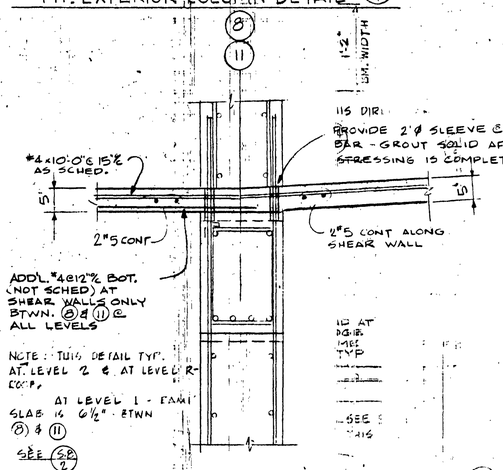
COLUMN PLAN DETAIL (S-14/1)
1½" = 1'-0"



PLAN DETAIL (S-14/2)
SCALE 1" = 1'-0"

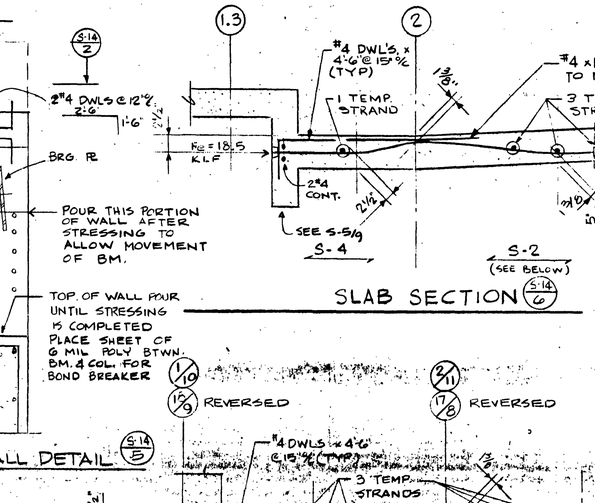


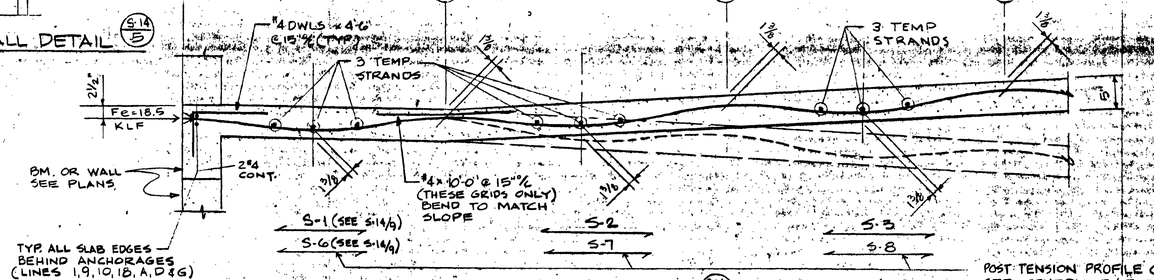
TYP. BEAM TO SHEAR WALL DETAIL (S-14/5)



TYP. EXTERIOR COLUMN DETAIL (S-14/4)

SLAB DETAIL SHEAR WALLS 6 & 7 (S-14/3)
SCALE 3/4" = 1'-0"





NOTE:
ALL POST-TENSIONED SLABS TO BE 5" THICK

ROOF SLAB SCHEDULE	ADD'L CONC. REINFORCING
S-6	#5 x 10'-0" @ 15"c/c; #4 x 4'-6" @ 15"c/c IK; #4 x 10'-0" @ 15"c/c; #4 @ 15"c/c BOT.
S-7	#5 x 10'-0" @ 15"c/c; #4 @ 15"c/c BOT
S-8	#5 x 10'-0" @ 15"c/c; #4 @ 15"c/c BOT.
S-8A	#5 x 10'-0" @ 9"c/c; #5 @ 12"c/c BOT.

POST-TENSION DETAILS

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DIVISION OF BUILDINGS
JUNEAU ALASKA

FAIRBANKS PARKING STRUCTURE

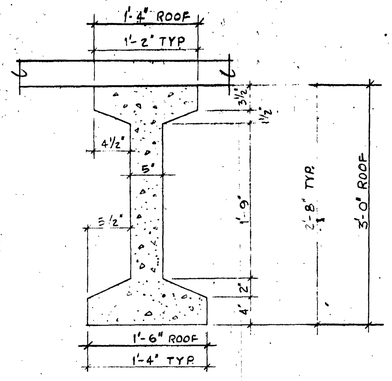
DBA - 2 - 0130

FAIRBANKS, AK.

THIS SHEET NOT REVISED
P.T. DETAILS NOT USED AT CONTRACTOR'S OPTION.

S-14

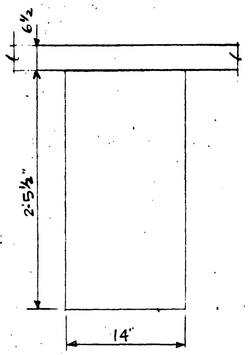
SHEET 34 OF 40

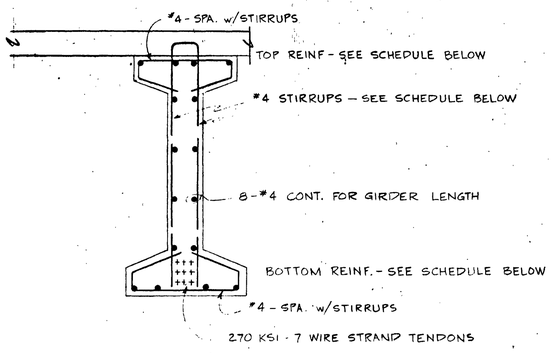


PRECAST CONC. GIRDER SECTION

F'C = 6000 PSI @ 28 DAY

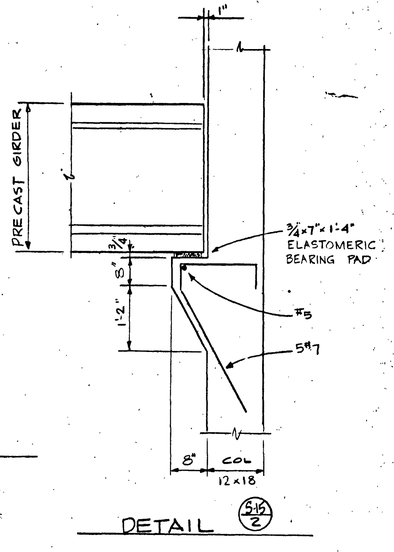
SCALE: NONE





TYP. REINF. FOR PRECAST GIRDER

SCALE: NONE



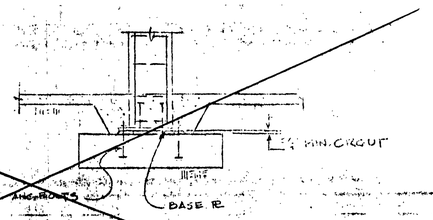
DETAIL (S-15 / 2)

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ACCEPTABLE CONTRACTORS OPTION PRECAST GIRDERS

PRECAST COLUMNS (CONTRACTORS OPTION)				
A-2, G THRU 13, 17 D2 - 3, 9, 15, 16 D8 - 3, 4, 15, 16 G - 2, 6, 7, 12, 13, 17	D-2	D-9 D-10	G-5 G-9 G-10 G-11	
~~12x18~~	~~16"x25~~	~~14x18~~	~~12x18~~	
~~GRID~~	~~A-10~~	~~6"9~~	~~6"9~~	
~~12x18~~	~~16"x25~~	~~14x18~~	~~12x18~~	
~~GRID~~	~~A-10~~	~~6"9~~	~~6"9~~	
12x18	16"x25	14x18	12x18	
GRID	A-10	6"9	6"9	
12x18	16"x25	14x18	12x18	
GRID	A-10	6"10	6"10	
		14x18	12x18	
		6"10	6"10	



TYP. FOOTING DETAIL (S-15 / 1)

PRECAST COLUMN (CONTRACTORS OPTION)

NOTE: PT. COL. DETAILS NOT USED AT CONTRACTORS OPTION

Sheet 15 indicates the Contractor's Option for furnishing a precast concrete girder in lieu of the post-tensioned beam shown on Sheets S-1 thru S-14. The Contractor has also the option of furnishing a conventionally reinforced 6-1/2" concrete slab as detailed on Sheet S-15 in lieu of the 5" post-tensioned slab as shown on Sheets S-1 thru S-14. The Contractor has the option of furnishing precast columns as detailed on Sheet S-15 in lieu of the cast-in-place concrete concrete column shown on Sheets S-1 thru S-14. The quantities of prestressing force and/or materials along with the quantities of conventional reinforcing materials shown for the precast girder are only one solution to sustain the gravity floor loads as indicated on the plans and meet the indicated Code requirements. The Engineer is aware that there may be other combinations of prestressing - post-tensioning materials along with conventional reinforcing that will adequately sustain the gravity floor loads and still meet indicated Code requirements. The Contractor has the option to submit alternate designs for the precast girder utilizing combinations of prestressing, post-tensioning, and conventional reinforcing materials. Precast girder sizes shall conform to the acceptable shapes shown on this sheet. Contractor shall also refer to Precast Option Note on Sheet S-1. The proposed alternate design for the precast girder shall be submitted to the Engineer for approval prior to commencement of any work. The submitted alternate design shall clearly indicate the amounts of prestress, post-tension, and conventional reinforcing materials, and all pertinent details. The submitted alternate precast design shall be accompanied by structural calculations done under the supervision of a registered professional engineer experienced in prestress - post-tension concrete design. These submitted calculations shall clearly indicate the prestress -post-tension force, conventional reinforcement, working stresses, shear calculations, ultimate moment capacity, and all other pertinent calculations required to satisfy the ACI ~~318-71 Code and the Uniform~~ Building Code.

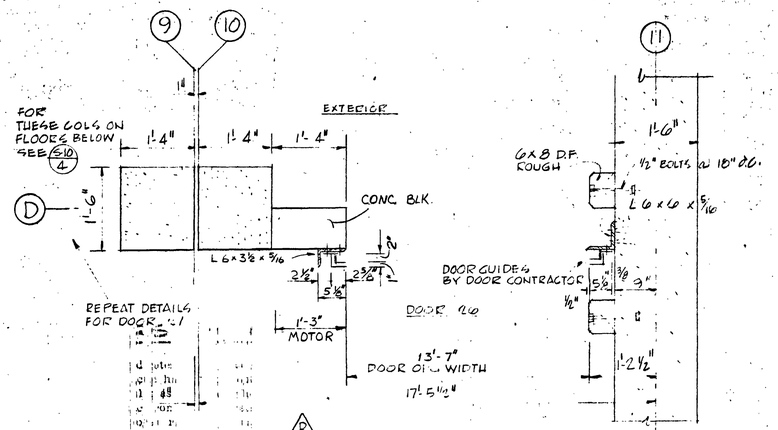
CONVENTIONALLY REINFORCED 6½" CONC SLAB SCHEDULE (CONTRACTORS OPTION)	
SLAB NO.	SECTION
S-1	#4@12 #5@12 #5@10
S-1R	#5@12 #4@12
S-2	#5@12 #5@10
S-2R	#5@12 #5@10
S-3	#5@12 #5@10
S-4	#5@12 #4@12
S-5	#5@12 #4@12
S-6	#4@12 #5@12 #5@6
S-6R	#5@12 #4@12 #5@6
S-7	#5@12 #5@6
S-7R	#5@12 #5@6
S-8	#5@12 #5@6
S-9	#4@12 #4@12
S-10	#5@12 #5@6

NOTES

1. USE TYP. BEAM DIAGRAM SHEET S-10 FOR BAR LENGTH REQ'D. FOR SLABS.
2. TEMP. STEEL TO BE #4@12"%

PRECAST CONCRETE GIRDER SCHEDULE				STIRRUPS			
GIRDER	P.T. FORCE	TOP BARS	BOT. BARS	4"	8"	12"	16"
G1, G2, G3, G3R	353 KIPS	4-#6	4-#9	12	6	8	✓
G4, G4R	353 K	4-#6	4-#9	12	6	8	✓
G5, G6	353 K	4-#6	4-#9	12	6	8	✓
G7	353 K	4-#6	4-#9	12	6	8	✓
G8, G9, G10, G10R	353 K	4-#9	8-#9	36	6	8	✓
G11, G11R, G12, G12R	353 K	4-#9	8-#9	36	6	8	✓
G13, G14, G15	353 K	4-#9	8-#9	36	6	8	✓

NOTE: PRECAST CONC. GIRDER SHALL BE SHORED FOR CAST-IN-PLACE CONC. SLAB. CONTRACTOR SHALL HAVE OPTION OF SUBMITTING ALTERNATE PRE-CAST CONCRETE GIRDER SCHEMES TO ENGINEER FOR APPROVAL. ALL ALTERNATE PROPOSALS SHALL BE SUBMITTED WITH ENGINEERING CALCULATIONS PERTAINING TO MEMBER SIZES, REINFORCING STEEL AND PRESTRESSING STRANDS. CONTRACTOR SHALL ALSO HAVE THE OPTION OF SUBMITTING A PARTIAL PRESTRESSING, PARTIAL POST-TENSIONING SCHEME.



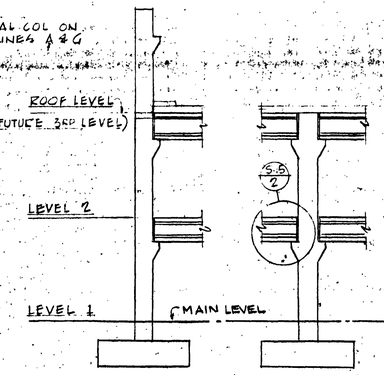
R

PLAN - ROLLING DOORS 26 & 27 (S-15 / 5)

3/4" = 1'-0"

THIS DETAIL MAKES ROLLING DOOR DIM. 2" LESS

REFER TO ARCH. (12 / A14)



TYP. COL. DET. (S-15 / 3) COL. D-2 & D-17 (S-15 / 4)

PRECAST GIRDERS AND CONVENTIONAL REINFORCED SLAB DETAILS

JOB NO.:

DATE: 6-25-71

ARCHITECTS • ENGINEERS • SURVEYORS

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FAIRBANKS, AK.

AS-BUILT

S-15

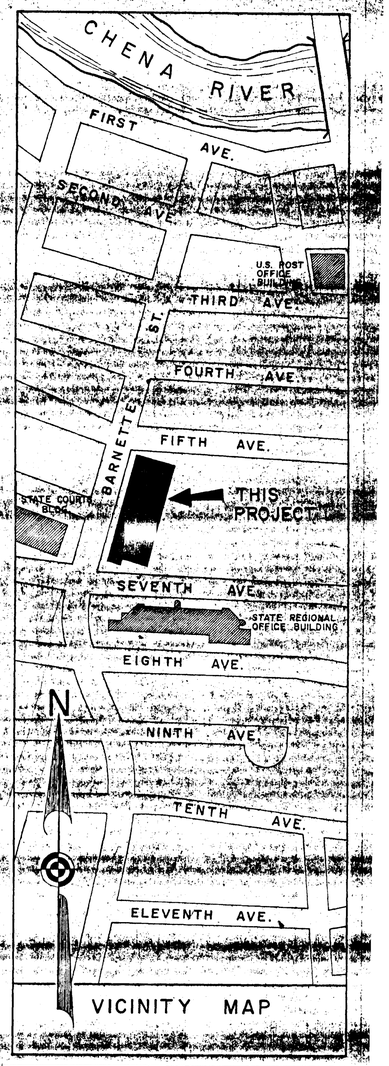
OF 49

FAIRBANKS PARKING STRUCTURE

STATE OF ALASKA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF BUILDINGS
JUNEAU, ALASKA

DBA-2-0130

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VICINITY MAP

SCHEDULE OF DRAWINGS

SHEET NO.	TITLE
CIVIL	
C-1	SITE PLAN
C-2	GRADING PLAN
ARCHITECTURAL	
A-1	LEVELS L (LOWER), & 1 FLOOR PLANS
A-2	LEVEL 2 FLOOR PLAN
A-3	LEVEL R (ROOF) FLOOR PLAN & SIGN SCHEDULE
A-4	EXTERIOR ELEVATIONS
A-5	BUILDING SECTIONS
A-6	INTERIOR ELEVATIONS
A-7	STAIRS No. 1 & No. 2
A-8	SECTIONS, STAIR No. 1
A-9	STAIR No. 3 & DETAILS
A-10	ELEVATOR HOISTWAY SECTIONS & STAIR DETAILS
A-11	INSULATED METAL WALL DETAILS
A-12	INSULATED METAL WALL DETAILS & MISC. DETAILS
A-13	MISC. DETAILS
A-14	DOOR SCHEDULE & DETAILS
A-15	DOOR & WINDOW DETAILS
A-16	WALL SECTIONS & DETAILS
A-17	WALL SECTIONS

SHEET NO.	TITLE
STRUCTURAL	
S-1	TYPICAL DETAILS AND GENERAL STRUCTURAL NOTES
S-2	FOUNDATION PLAN AND LEVEL 1 FLOOR PLAN
S-3	STAIRS NO. 2 & 3 - PLANS & SECTION
S-4	LEVEL 2 & LEVEL R (ROOF) FLOOR PLANS
S-5	STAIR No. 1 AND No. 2 PLANS AND DETAILS
S-6	STAIR No. 1 SECTIONS AND DETAILS
S-7	FOUNDATION DETAILS
S-8	STRUCTURAL DETAILS
S-9	PENTHOUSE FRAMING PLANS AND DETAILS
S-10	BEAM AND COLUMN SCHEDULE AND DETAILS
S-11	SHEAR WALL ELEVATIONS AND DETAILS
S-12	SHEAR WALL ELEVATIONS
S-13	SHEAR WALL ELEVATIONS
S-14	POST-TENSION DETAILS
S-15	PRECAST GIRDERS AND CONVENTIONAL REINFORCED SLAB DETAILS

SHEET NO.	TITLE
MECHANICAL	
M-1	PLOT PLAN
M-2	FOUNDATION PLAN & DETAILS
M-3	LEVEL 1 PLAN AND DETAILS
M-4	LEVEL 2 PLAN AND DETAILS
M-5	LEVEL R (ROOF) AND DETAILS
M-6	DETAILS
M-7	SECTIONS
M-8	SCHEDULES AND DETAILS
M-9	DETAILS
M-10	LEVEL L (LOWER) MECHANICAL ROOM PLANS
ELECTRICAL	
E-1	ELECTRICAL LIGHTING, POWER AND SIGNAL - LEVEL L (LOWER) AND LEVEL 1 FLOOR PLANS.
E-2	ELECTRICAL LIGHTING, POWER AND SIGNAL - LEVEL 2 AND LEVEL R (ROOF) FLOOR PLANS
E-3	ELECTRICAL SIGNAL RISERS AND DETAILS
E-4	ELECTRICAL - PANELBOARD SCHEDULES, ONE LINE DIAGRAM, MISCELLANEOUS

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FAIRBANKS ALASKA
RECOMMENDED
CONTRACTOR'S REP.
APPROVED
OWNER'S REP.
AS-BUILT

THESE DRAWINGS HAVE BEEN MODIFIED AS BUILT
Aug 76