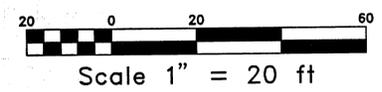


TBM  
 3.25" ALUMINUM CAP  
 MKD "LS 3248  
 PT RD  
 STA 234+94.89  
 1981"  
 ELEVATION = 43.44'  
 SOURCE SHEET 7 OF 19  
 "TERMINAL APRON LAYOUT & CONTROL"  
 KETCHIKAN AIRPORT APRON & TAXIWAY  
 IMPROVEMENTS  
 DATED JULY 1992

L67.54'  
 $\Delta 81^{\circ}52'12''$   
 141.00'  
 R47.27'  
 CD N86 $^{\circ}$ 34'06"E  
 LC61.94'



STATE PROJECT NUMBER 71487

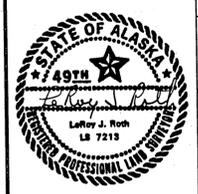
**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF ALASKA, AND THAT THIS PLAT REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THE MONUMENTS SHOWN HEREON ACTUALLY EXIST AS DESCRIBED AND THAT ALL DIMENSIONS AND OTHER DETAILS ARE CORRECT.

DATE 5-10-94 REGISTRATION NUMBER LS 7213

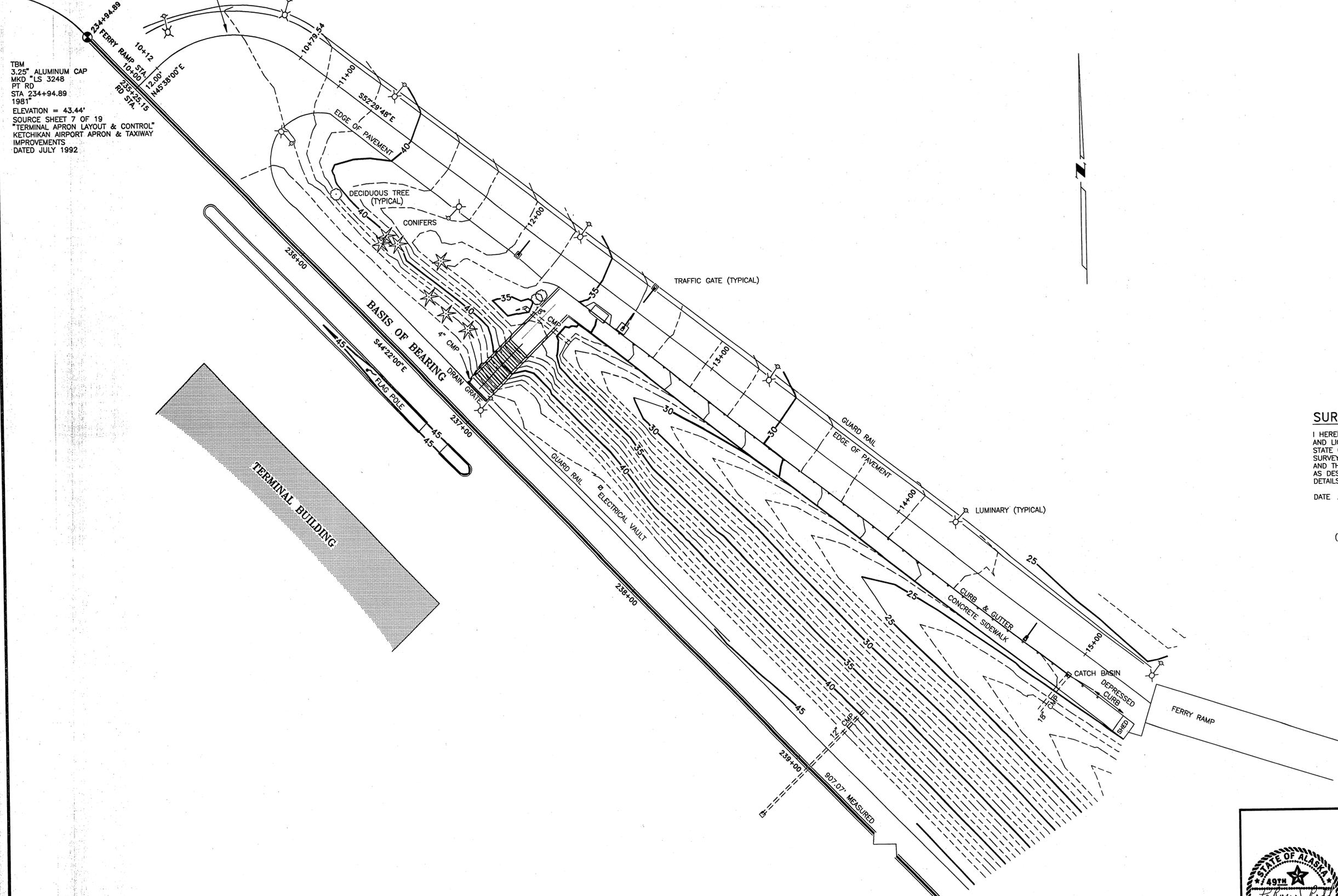
*Ray J. Roth*  
 REGISTERED LAND SURVEYOR

(FIELD WORK PERFORMED IN MAY OF 1994)



<b>TOPOGRAPHIC SURVEY</b>		
<b>KETCHIKAN AIRPORT WALKWAY</b>		
FOR: STEPHEN PETERS & ASSOCIATES P.O. BOX 3227 KETCHIKAN, ALASKA 99901		
<b>R&amp;M</b>		
R&M ENGINEERING-KETCHIKAN, INC. P.O. BOX 9592 KETCHIKAN, ALASKA 99901		
DATE: 5/9/94	DRAWN BY: L.R.	PROJECT NO.: 942728
SCALE: 1" = 20'	APPRVD BY:	SHEET 1 OF 1

C:\942728\LR\EDSC\051094.DWG



**ABBREVIATIONS**

A.B.	Anchor Bolt	E.	East	KIT.	Kitchen	R.O.W.	Right of Way
A.C.	Air Conditioning	E.A.	Each	K.O.	Knock-Out	R.T.	Resilient Tile
ACCUS.	Acoustical	E.J.T.	Expansion Joint	L.	Length, Long	R.W.D.	Redwood
A.C.P.	Asphalt Concrete Pavement	E.L.	Elevation	LAM	Laminate, Laminated	R.W.	Rain Water Leader
A.C.T.	Acoustical Tile	ELEC.	Electrical	LAV.	Lavatory	S.	South
A.D.	Area Drain	ELEV.	Elevator	L.F.	Lineal Feet	S.C.	Solid Core
A.D.A.	Americans with Disabilities Act	EMER.	Emergency	L.H.	Left Hand	S.C.D.	Seat Cover Dispenser
ADD.	Addendum	ENCL.	Enclosure	L.K.R.	Locker	SCHED.	Schedule
ADJ.	Adjustable	EQ.	Equal	L.T.	Light	S.D.	Soap Dispenser
A.F.F.	Above Finished Floor	EQUIP.	Equipment	LTL	Lintel	SEAL.	Sealant
AGGR.	Aggregate	E.W.C.	Electric Water Cooler	LVR.	Louver	SECT.	Section
AL., ALUM.	Aluminum	EXP.	Expanded, Expansion	MATL.	Material	S.F.	Square Feet
ANOD.	Anodized	EXP.O.	Exposed	MAR.B.	Marble	S.H.	Shelf
APPROX.	Approximate	EXT.	Exterior	MAS.	Masonry	SHT.	Sheet
ARCH.	Architectural	F.A.	Fire Alarm	MAX.	Maximum	SHTG.	Sheathing
ASPH.	Asphalt	F.B.	Flat Bar	M.B.	Machine Bolt	SIM.	Similar
		F.B.O.I.C.	Furnished by Owner, Installed by Contractor	M.C.	Medicine Cabinet	SL.	Slope
		F.D.	Floor Drain	M.D.O.	Medium Density Overlay	SM	Sheet Metal
		FDN.	Foundation	MECH.	Mechanical	SMS	Sheet Metal Screw
		F.E.	Fire Extinguisher	MEMB.	Membrane	S.N.D.	Sanitary Napkin Dispenser
		F.E.C.	Fire Extinguisher Cabinet	MEZZ.	Mezzanine	S.N.R.	Sanitary Napkin Receptacle
		F.H.	Fire Hydrant	MFR.	Manufacturer	SPEC.	Specification
		F.H.C.	Fire Hose Cabinet	MH.	Manhole	SQ.	Square
		F.H.M.S.	Flat Head Machine Screw	MIN.	Minimum	S.S.	Stainless Steel
		F.H.W.S.	Flat Head Wood Screw	MIR.	Mirror	S.S.K.	Service Sink
		FIN.	Finish	MISC.	Miscellaneous	STAL.	Stallion
		FL, F.L.R.	Floor	M.O.	Masonry Opening	STD.	Standard
		FLASH.	Flashing	MTD.	Mounted	STL	Steel
		FLUOR.	Fluorescent	MTL.	Metal	STOR.	Storage
		F.O.B.	Face of Brick	MUL.	Mullion	STRUCT.	Structural, Structure
		F.O.C.	Face of Column, Concrete			SUSP.	Suspended
		F.O.F.	Face of Finish	N.	North	S.V.	Sheet Vinyl
		F.O.M.	Face of Masonry	N.I.C.	Not In Contract	T.	Tread
		F.O.S.	Face of Studs	NO.	Number	T.B.	Towel Bar
		FRFP.	Fireproof	NOM.	Nominal	T.C.	Top Of Curb
		FR.	Frame	N.T.S.	Not To Scale	T.&G.	Tongue and Groove
		FT.	Foot, Feet	O.A.	Overall	TEL.	Telephone
		FTG.	Footing	O.C.	On Center	TEMP.	Tempered
		FURR.	Furred, Furring	O.D.	Outside Diameter	TER.	Terrazzo
		FUT.	Future	OFF.	Office	THK.	Thick
		FW	Full Width	O.F.R.D.	Overflow Roof Drain	THRESH.	Threshold
		F.W.C.	Fabric Wall Covering	OPNG.	Opening	T.JT.	Tooled Joint
				OPP. H.	Opposite Hand	T.KBD.	Tackboard
				O.T.S.	Open to Structure	T.O.B.	Top of Brick
				O.H.	Opening	T.O.S.	Top of Slab
				P.A.	Public Address	T.P.	Top of Pavement
				P.B.D.	Particle Board	T.P.H.	Toilet Paper Holder
				PERF.	Perforated	TYP.	Typical
				P.L.	Property Line	T <sub>u</sub>	Underwriters' Laboratories
				P.LAM.	Plastic Laminate	UL	Underwriters' Laboratories
				PLAS.	Plaster	UNFIN.	Unfinished
				PLYWD.	Plywood	U.O.N.	Unless Otherwise Noted
				PNL.	Panel	UR.	Urinal
				PR.	Pair		
				P.S.F.	Pounds per Square Foot	V.I.F.	Verify in Field
				P.S.I.	Pounds per Square Inch	V.T.	Vinyl Tile
				PT.	Point	VERT.	Vertical
				P.T.	Pressure Treated	VEST.	Vestibule
				P.T.D.	Paper Towel Dispenser	V.V.C.	Vinyl Wall Covering
				P.T.D.R.	Paper Towel Dispenser/Receptacle	W.	West, Wide
				PTN.	Partition	W.	Water
				PTR.	Paper Towel Receptacle	W.C.	Water Closet
				Q.T.	Quarry Tile	WD.	Wood
						WDO.	Window
						WO	Without
						WL	Water Line
						WP	Waterproofing
						WS	Weatherstrip or Wood Screen
						WSCT.	Wainscot
						WT.	Weight
						W.W.F.	Welded Wire Fabric

**PARTICIPANTS**

**CONTRACTING AGENCY**

The State of Alaska  
6860 Glacier Highway  
Juneau AK 99801 - 7999  
(907) 465 - 4458

**ARCHITECT**

Stephen Peters & Associates, Architects  
807 Water Street  
P.O. Box 3227  
Ketchikan AK 99801  
(907) 225 - 7133

**STRUCTURAL ENGINEER**

Monte Clark Engineering  
216 First Avenue, #250  
Seattle WA 98104  
(206) 626 - 3664

**ELECTRICAL ENGINEER**

Haight & McLaughlin, Inc.  
418 Harris Street  
Juneau AK 99801  
(907) 626 - 9788

**SURVEY INFORMATION**

R & M Engineering  
355 Carlanna Lake Road  
Ketchikan AK 99801  
(907) 225 - 7917

**DRAWING LIST**

- A1 General Notes
- 1 Existing As-Built Survey
- A2 Demolition Plan
- A3 Overall Plans and Elevations
- A4 Waiting Area
- A5 Waiting Area to Toll Booth
- A6 Toll Booth to Airport
- A6.1 Toll Booth to Airport
- A7 Details
- A7.1 Details
- E-1 Walkway Plan, Details, Legend
- E2 Single Line Diagram, Luminaire Schedule

**GENERAL NOTES**

1. Do not scale the drawings.
2. Dimensions are to centerline of columns or to finish material, unless otherwise noted.
3. Verify dimensions and field conditions prior to commencement of each portion of work.
4. The Contractor shall coordinate to complete the work, and notify the Architect of any discrepancies prior to construction.

**CONCRETE**

9. Concrete shall be mixed, proportioned, conveyed and placed in accordance with UBC Section 2604 and ACI 301. Concrete shall attain a 28-day strength of  $f'_c = 3,000$  psi and mix shall contain not less than 5-1/2 sacks of cement per cubic yard and shall be proportioned to produce a slump of 5" or less.

The minimum amounts of cement and maximum amounts of water may be changed if a concrete performance mix is submitted to the structural engineer and the building department for approval two weeks prior to placing any concrete. The concrete performance mix shall include the amounts of cement, fine and coarse aggregate, water and admixtures as well as the water cement ratio, slump, concrete yield and substantiating strength data in accordance with U.B.C. 2604 (c). Review of mix submittals by the engineer of record indicates only that information presented conforms generally with the contract documents. Contractor or supplier maintains full responsibility for specified performance.

All concrete with surfaces exposed to standing water shall be air-entrained with an air-entraining agent conforming to U.B.C. Standard 26-9. Total Air Content shall be in accordance with table 26-B of the Uniform Building Code.

10. Reinforcing steel shall conform to ASTM A615 (including Supplement S1), Grade 60,  $f_y = 60,000$  psi. Exceptions: Any bars specifically so noted on the drawing shall be Grade 40,  $f_y = 40,000$  psi. Grade 60 reinforcing bars indicated on drawings to be welded shall conform to ASTM A706. Reinforcing complying with ASTM A615 (S1) may be welded only if material property reports indicating conformance with welding procedures specified in A.W.S. D1.4 are submitted.

Welded wire fabric shall conform to ASTM A-185.

11. Reinforcing steel shall be detailed (including hooks and bends) in accordance with ACI 315-80 and 318-83. Lap all continuous reinforcement 30 bar diameters or 2'-0" minimum. Provide corner bars at all wall and footing intersections. Lap corner bars 30 bar diameters or 2'-0" minimum. Lap adjacent mats of welded wire fabric a minimum of 8" at sides and ends.

12. Concrete Protection (cover) for reinforcing steel shall be as follows:

Footings and other uniformed surfaces, earth face	3"
Formed surfaces exposed to earth (i.e. walls below ground) or weather	1 1/2"
	(#5 bars or smaller)
	2"
	(#6 bars or larger)
Slabs and walls (interior face)	3/4"

13. Non-shrink grout shall be furnished by an approved manufacturer and shall be mixed and placed in strict accordance with the manufacturer's published recommendations. Grout strength shall be at least equal to the material on which it is placed (3,000 psi minimum).

**AS-BUILT PLANS**

CONTRACTOR: SOUTH COAST, INC.  
PROJ. ENG.: A.K. SHEPARD

MAY - JULY 1995

**STEEL**

14. Structural steel design, fabrication, and erection shall be based on the A.I.S.C. "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings," latest edition, plus all referenced codes.

15. Structural steel shall conform to the following requirements:

Type of Member	ASTM Specification	Fy
A. Plates, shapes, angles, and rods	A36	36 KSI
B. Special shapes and plates (noted Grade 50 on plans)	A572	50 KSI
C. Pipe columns	A53 (Type E or S, Grade B)	
D. Structural tubing (square or rectangular)	A500 (Grade B)	46 KSI
E. Anchor bolts (embedded in masonry or concrete)	A307	
F. Connection bolts (3/4" round, unless shown otherwise)	A307	

16. Architecturally exposed structural steel shall conform to Section 10 of the AISC Code of Standard Practice for Steel Buildings and Bridges, adopted September 1, 1986.

17. All welding shall be in conformance with A.I.S.C. and A.W.S. standards and shall be performed by W.A.B.O. certified welders using E70 XX electrodes. Only qualified welds (as defined by A.W.S.) shall be used.

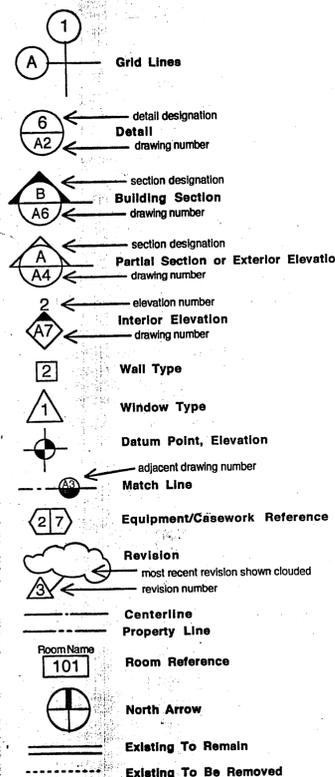
**GENERAL STRUCTURAL NOTES**

(The following apply unless shown otherwise on the plans)

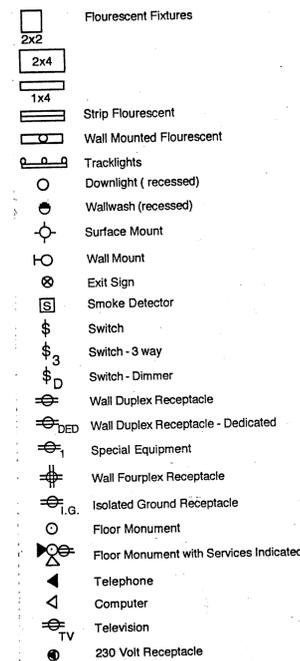
**CRITERIA**

1. All materials, workmanship, design, and construction shall conform to the drawings, specifications, the Uniform Building Code (1991 Edition).
2. Design loading criteria  
 Roof live load (snow) ..... 30 psf  
 Wind ..... 100 mph, Exposure C  
 Earthquake ..... Zone 2b, R<sub>w</sub> = 6
3. Contractor shall provide temporary bracing for the structure and structural components until all final connections have been completed in accordance with the plans.
4. Contractor shall be responsible for all safety precautions and the methods, techniques, sequences or procedures required to perform his work.
5. Contractor-initiated changes shall be submitted in writing to the architect and structural engineer for approval prior to fabrication or construction. Changes shown on shop drawings only will not satisfy this requirement.
6. Drawings indicate general and typical details of construction. Where conditions are not specifically indicated but are of similar character to details shown, similar details of construction shall be used, subject to review and approval by the architect and the structural engineer.
7. Shop Drawings for: Reinforcing steel, structural steel, shall be submitted to the architect and structural engineer for review prior to fabrication of these items.
8. Shop Drawing Review: Dimensions and quantities are not reviewed by the engineer of record, therefore must be reviewed by the contractor. Contractor shall review and stamp drawings prior to review by the engineer of record. Submissions shall include a reproducible and one copy, reproducible shall be marked and returned. If deviations, discrepancies, or conflicts between shop drawing submittals and the contract documents are discovered either prior to or after shop drawing submittals are processed by the engineer, the design drawings and specifications shall control and shall be followed.

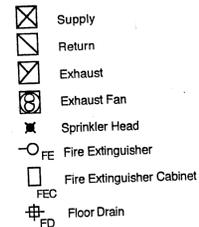
**GENERAL**



**ELECTRICAL**

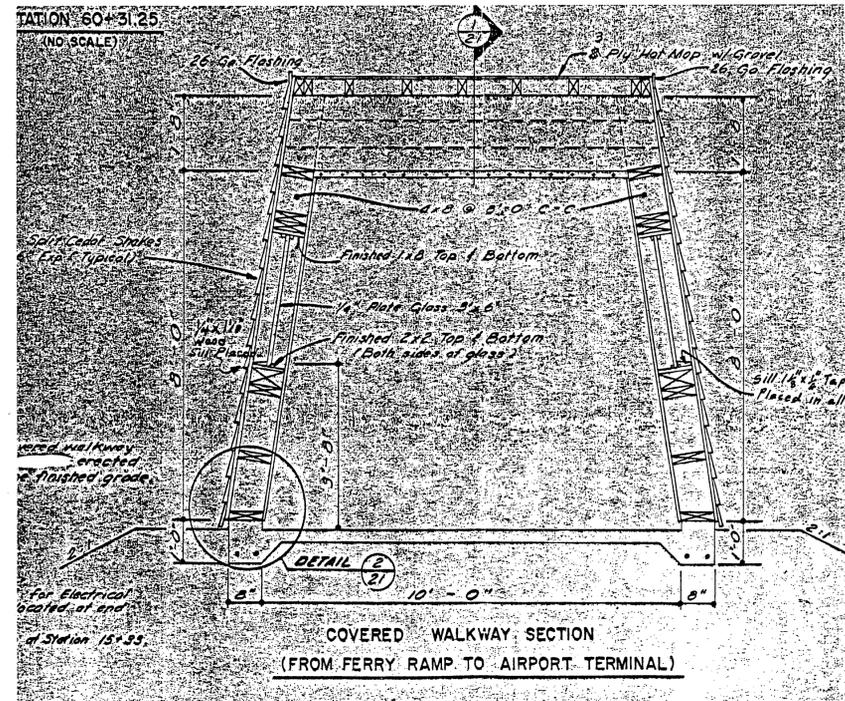
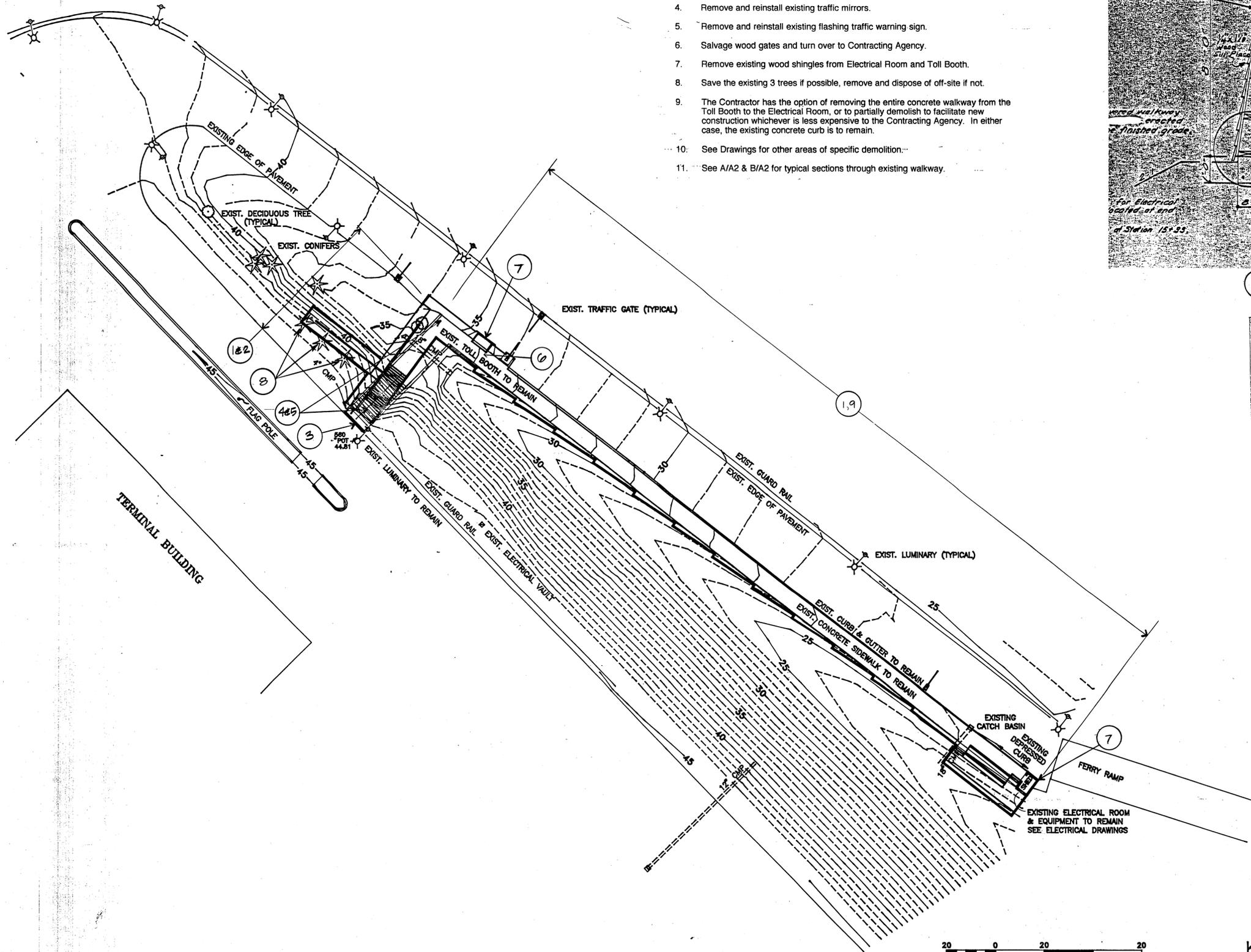


**HVAC**

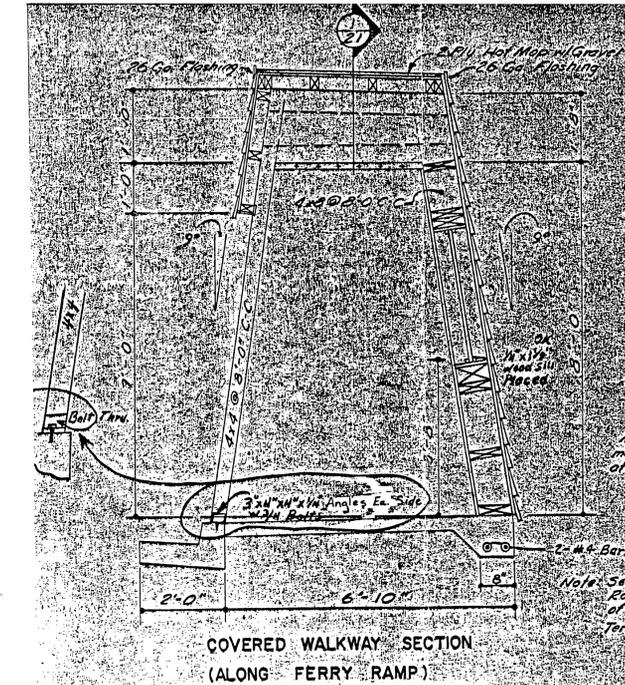


**DEMOLITION NOTES**

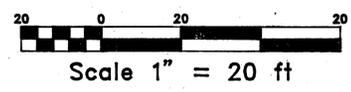
1. Remove entire above-grade walkway structure except for Electrical Room, Toll Booth, and all Traffic Control devices.
2. Remove existing concrete stairs, slab and foundation from Toll Booth to Airport.
3. Remove existing trench grate and install new. See detail on Drawing A7.1.
4. Remove and reinstall existing traffic mirrors.
5. Remove and reinstall existing flashing traffic warning sign.
6. Salvage wood gates and turn over to Contracting Agency.
7. Remove existing wood shingles from Electrical Room and Toll Booth.
8. Save the existing 3 trees if possible, remove and dispose of off-site if not.
9. The Contractor has the option of removing the entire concrete walkway from the Toll Booth to the Electrical Room, or to partially demolish to facilitate new construction whichever is less expensive to the Contracting Agency. In either case, the existing concrete curb is to remain.
10. See Drawings for other areas of specific demolition.
11. See A/A2 & B/A2 for typical sections through existing walkway.



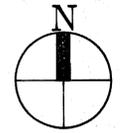
**A** EXISTING WALKWAY TO BE REMOVED FOR INFO. ONLY 1/2" = 1'-0"



**B** EXISTING WALKWAY TO BE REMOVED FOR INFO. ONLY 1/2" = 1'-0"



**KEY**  
 ——— EXISTING CONDITIONS  
 ——— NEW CONSTRUCTION



THIS SURVEY COURTESY OF R&M ENGINEERING, KETCHIKAN, ALASKA  
 STATE PROJECT NUMBER 71487

807 WINTERS ST.  
 KETCHIKAN, ALASKA 99901  
 TEL: 807. 225.7193  
 FAX: 807. 247.7383

STEPHEN PETERS & ASSOCIATES ARCHITECTS

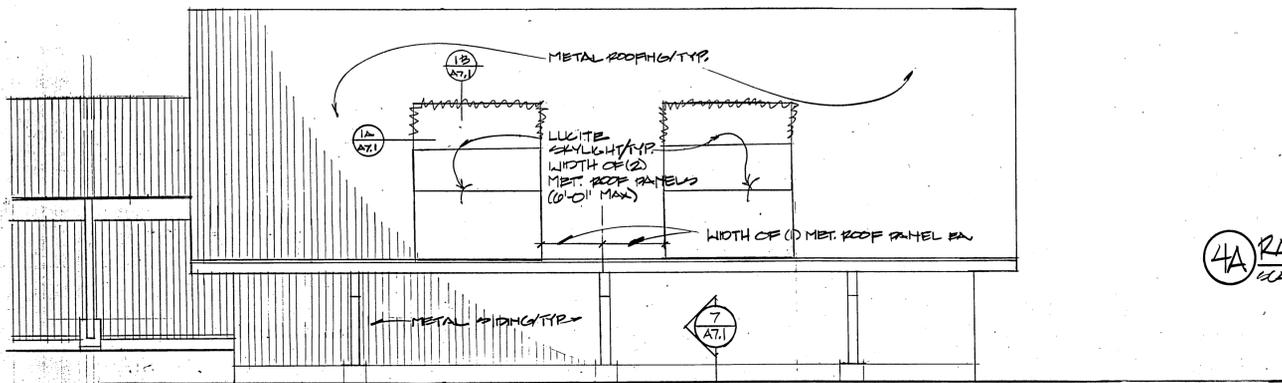


**KETCHIKAN AIRPORT**  
 Pedestrian Walkway Cover Replacement

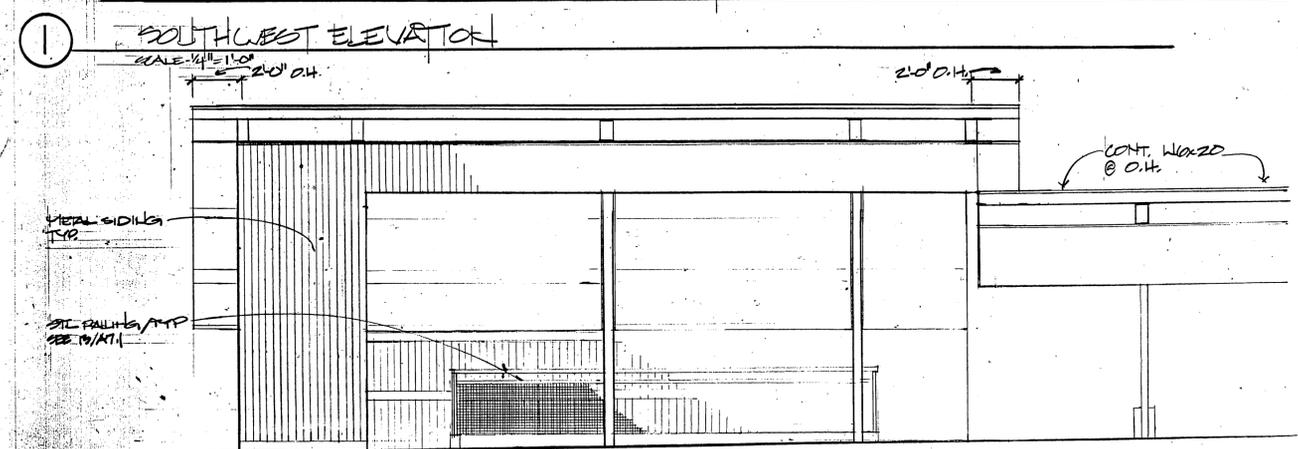
**A2**

DATE: JULY, 94  
 REV:

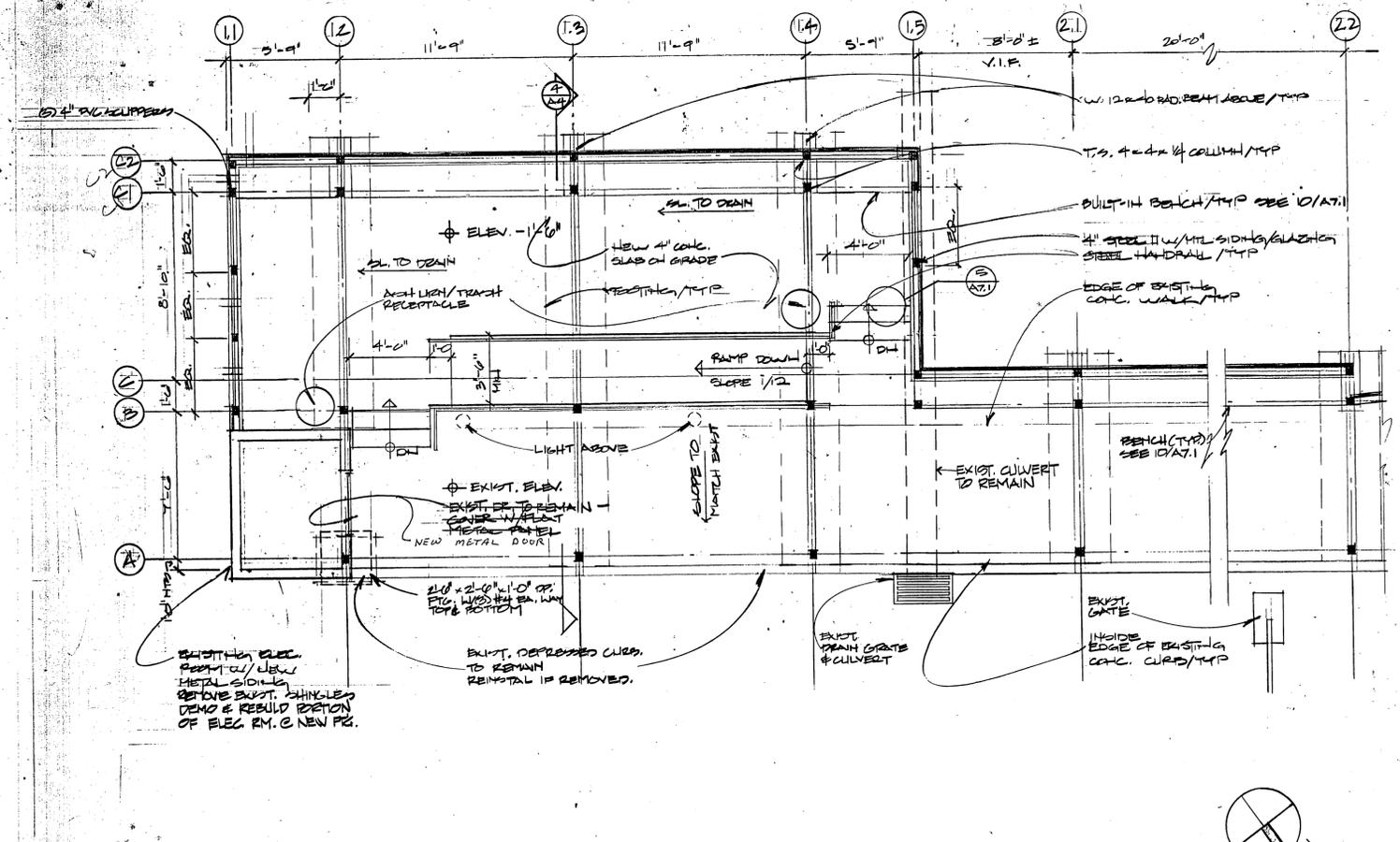




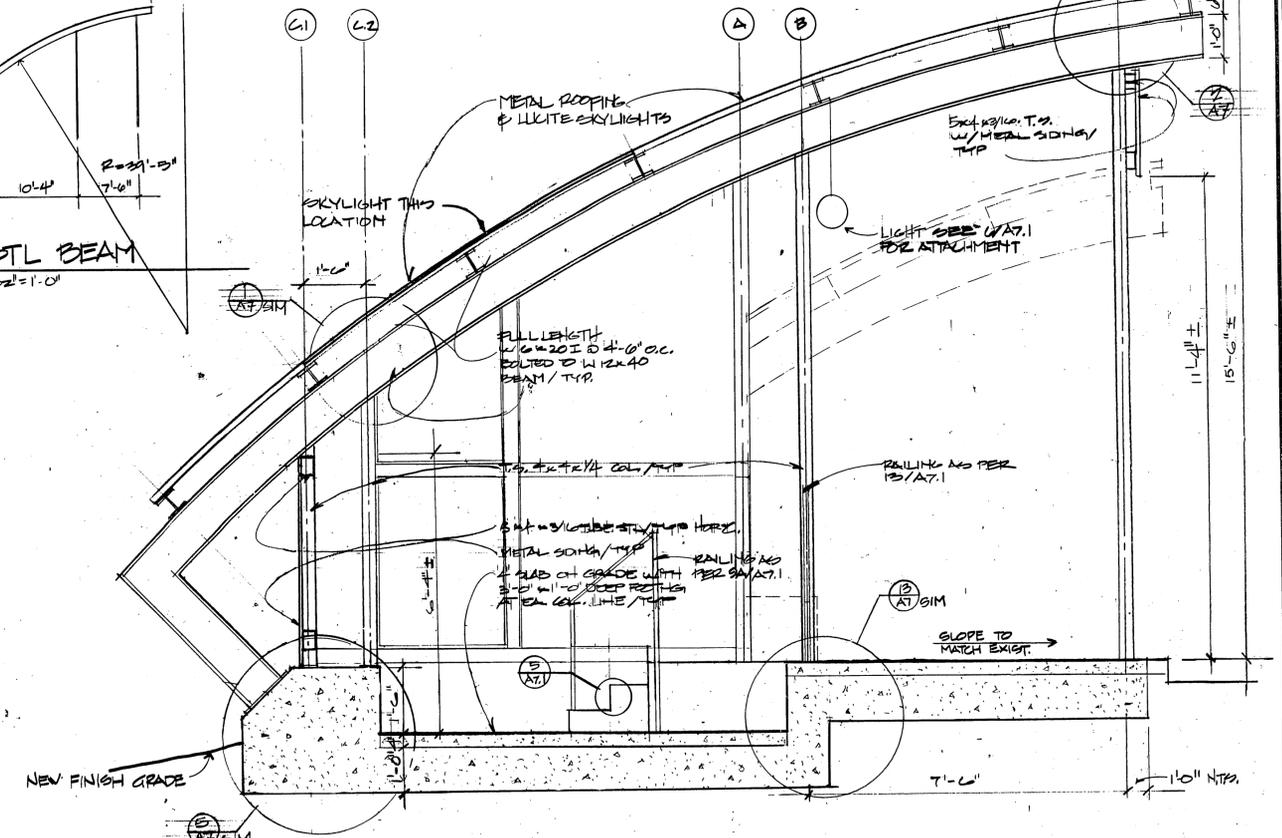
4A RAD STL BEAM  
SCALE: 3/4" = 1'-0"



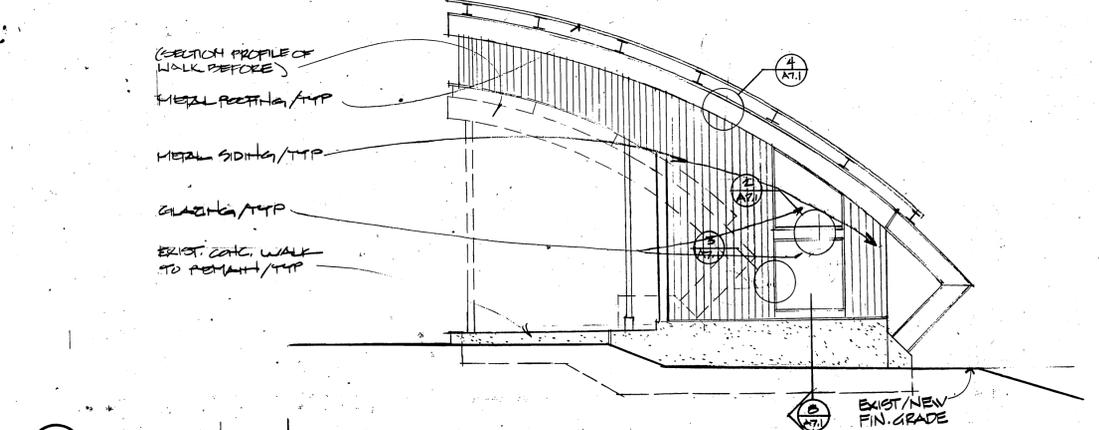
2 NORTH EAST ELEVATION  
SCALE: 1/4" = 1'-0"



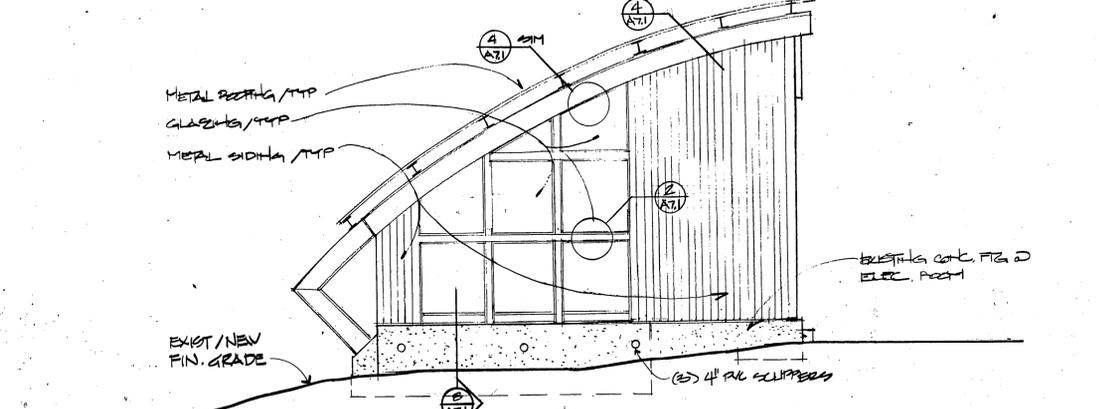
3 PLAN AT WAITING AREA (NEW DATUM ELEVATIONS TO MATCH EXIST.)  
SCALE: 1/4" = 1'-0"



4 SECTION - WAITING AREA FOUNDATION  
SCALE: 1/2" = 1'-0" (COL. LINES 1, 1-1, 1-3)



5 NORTH WEST ELEV.  
SCALE: 1/4" = 1'-0"



6 SOUTH EAST ELEV.  
SCALE: 1/4" = 1'-0"

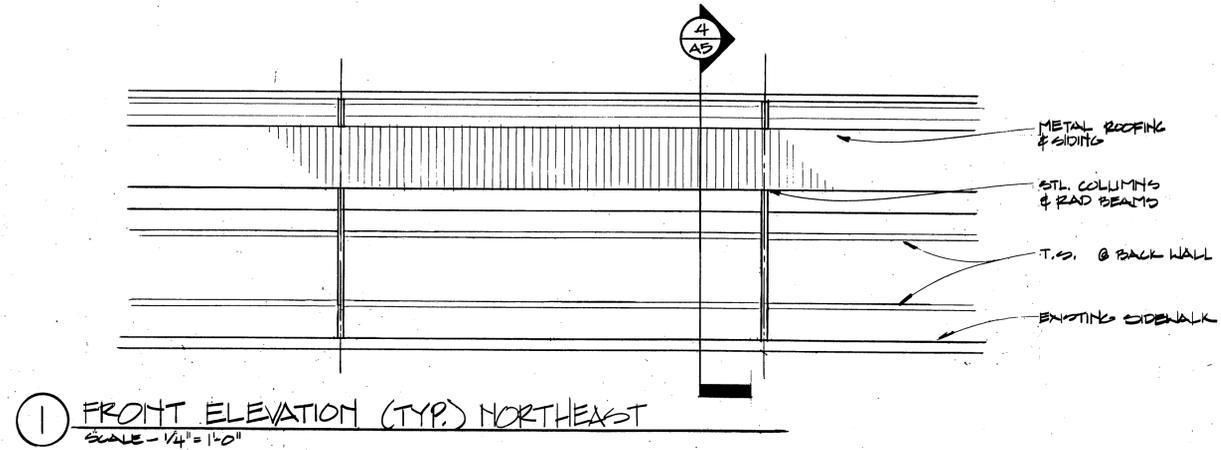
DATE: JULY 94  
REV

807 WATER ST.  
P.O. BOX 3227  
KETCHIKAN, ALASKA 99901  
FAX: 907.247.7383

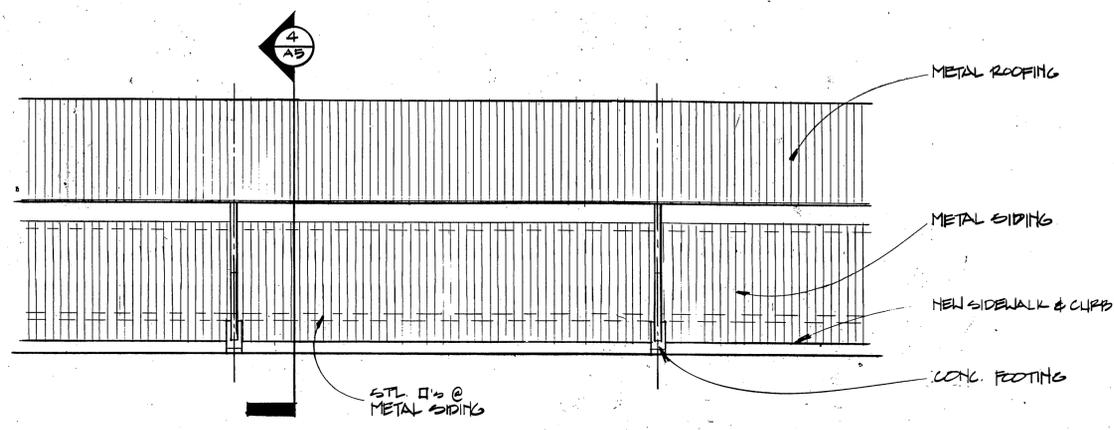
STEPHEN PETERS  
& ASSOCIATES  
ARCHITECTS



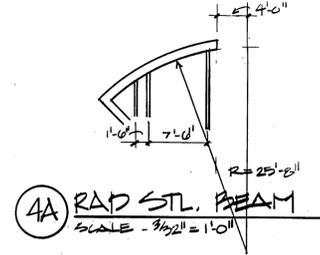
KETCHIKAN AIRPORT  
Pedestrian Walkway Cover Replacement



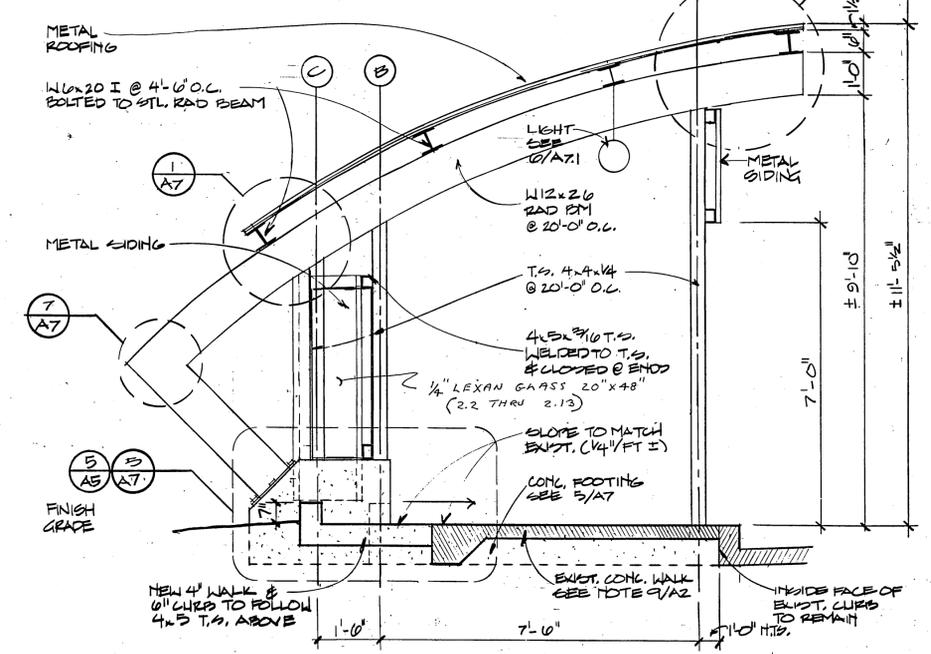
1 FRONT ELEVATION (TYP.) NORTHEAST  
SCALE - 1/4" = 1'-0"



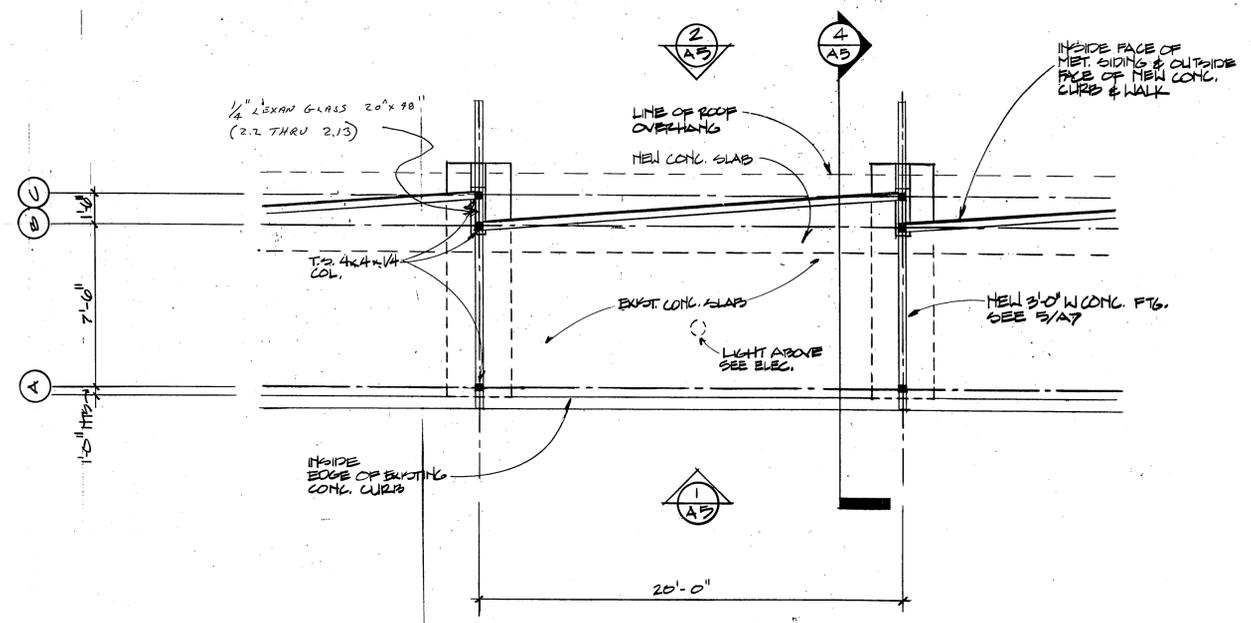
2 REAR ELEVATION (TYP.) SOUTHWEST  
SCALE - 1/4" = 1'-0"



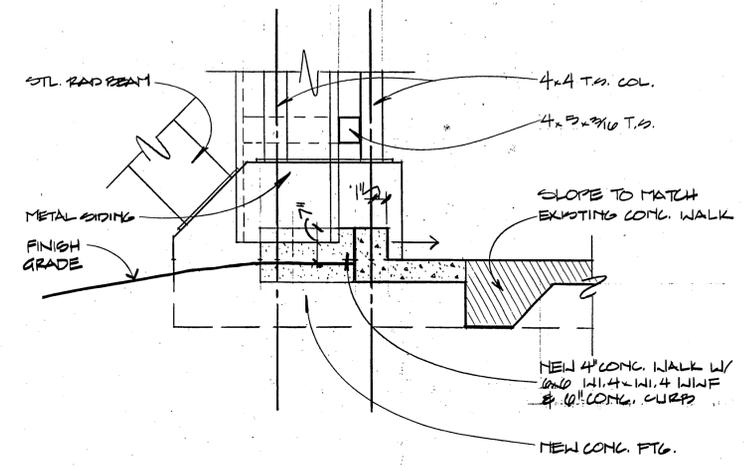
4A RAD STL. BEAM  
SCALE - 3/32" = 1'-0"



4 WALKWAY SECTION - WAITING TO TOLL (TYP.)  
SCALE - 1/2" = 1'-0"



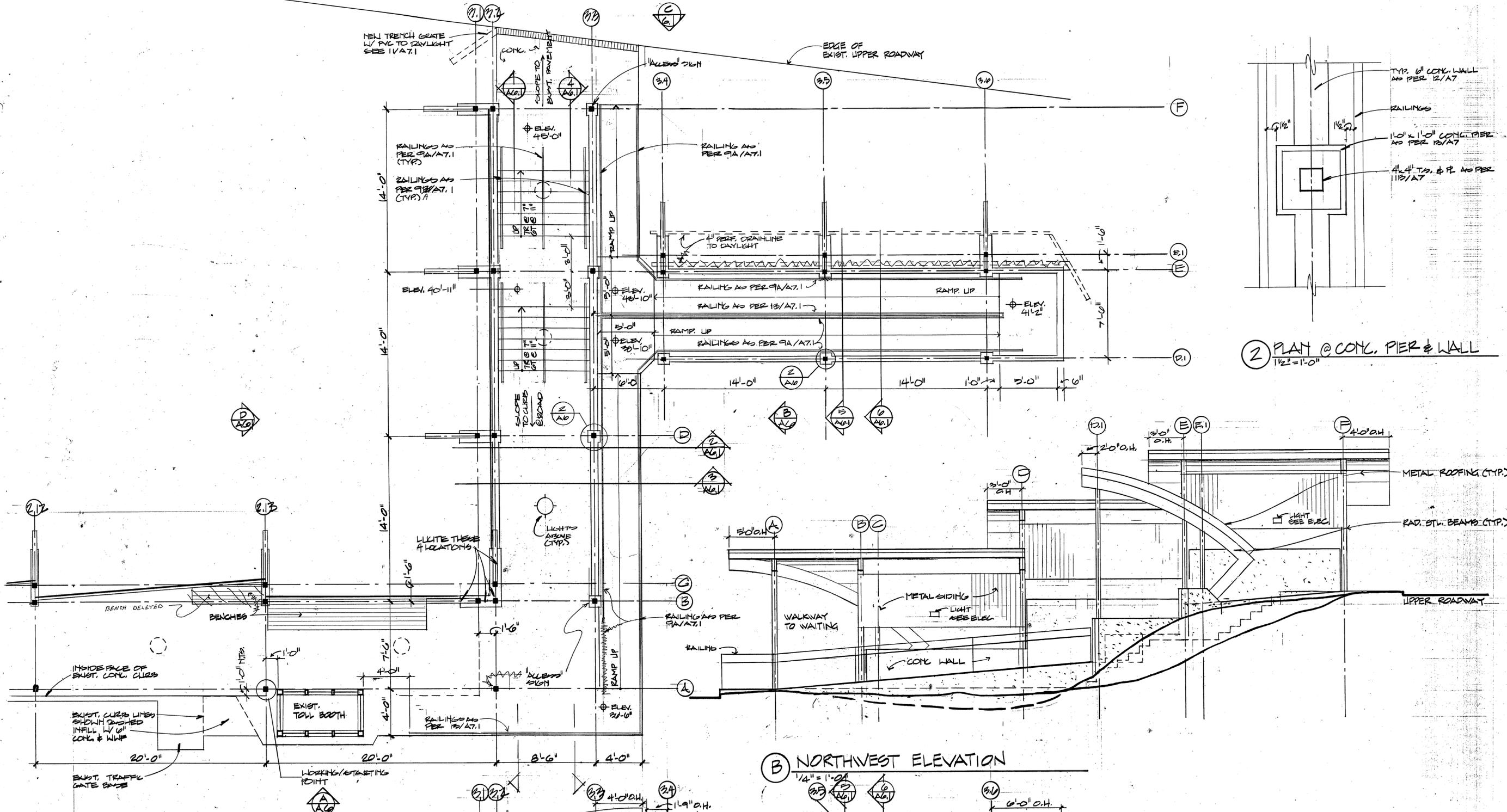
3 WALKWAY PLAN - WAITING TO TOLL (TYP.)  
SCALE - 1/4" = 1'-0"  
(NEW DATUM ELEVATIONS TO MATCH EXIST)



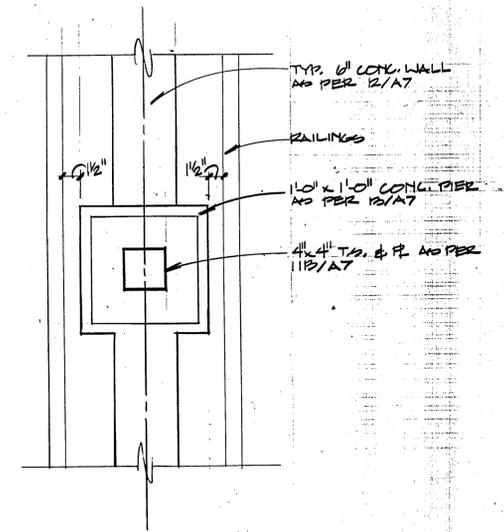
5 NEW CURB & WALK  
SCALE - 3/4" = 1'-0"



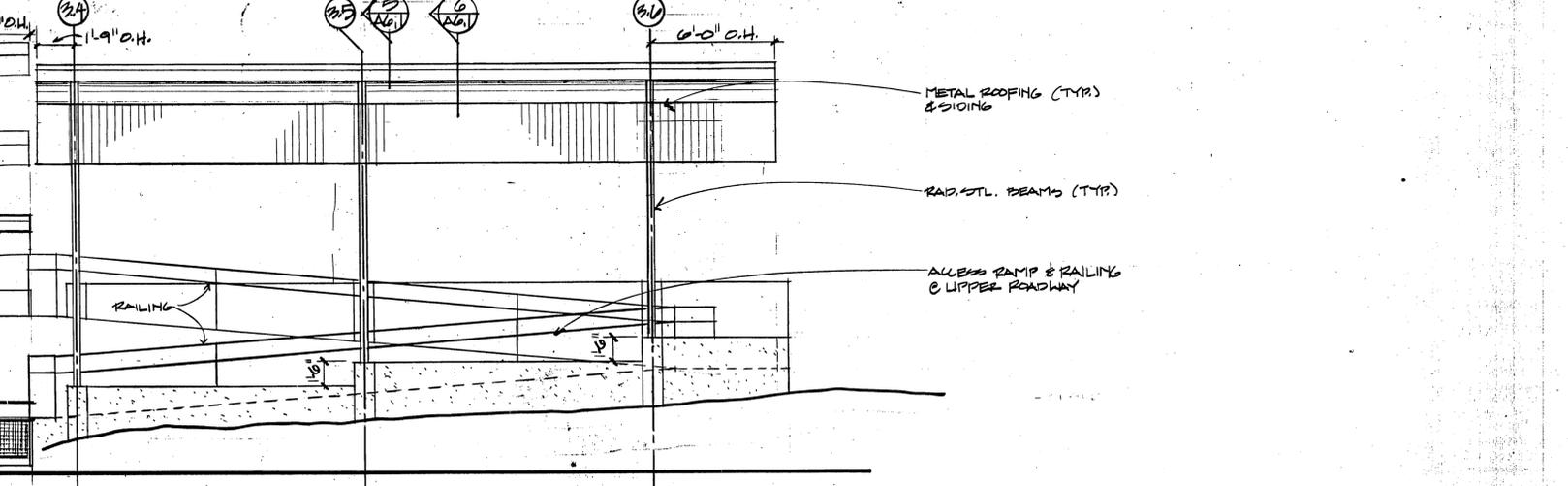




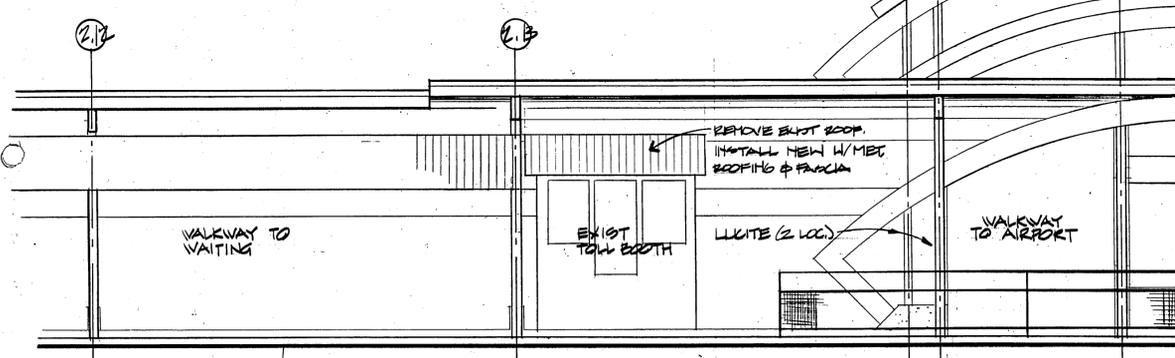
2 PLAN @ CONC. PIER & WALL  
1/2" = 1'-0"



B NORTHWEST ELEVATION  
1/4" = 1'-0"



1 PLAN - TOLL TO AIRPORT -  
1/4" = 1'-0"



A NORTHEAST ELEVATION  
1/4" = 1'-0"

STATE PROJECT NUMBER 71487

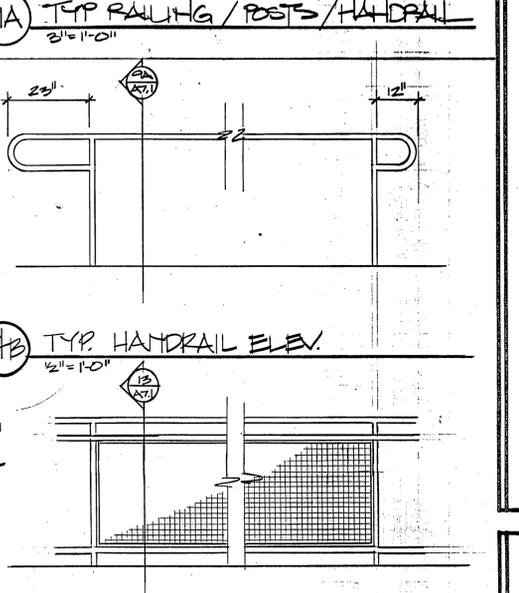
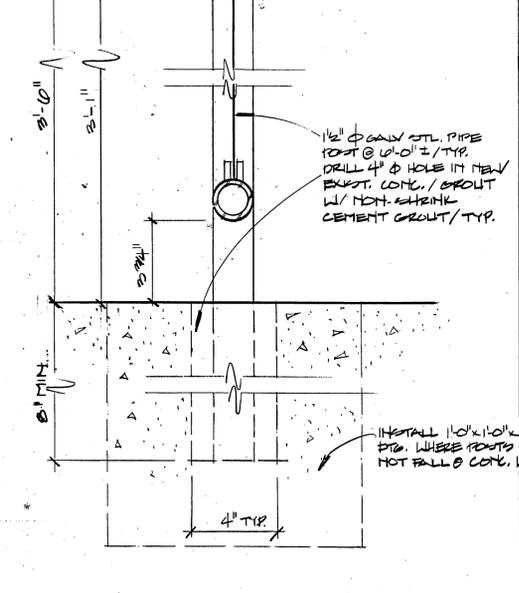
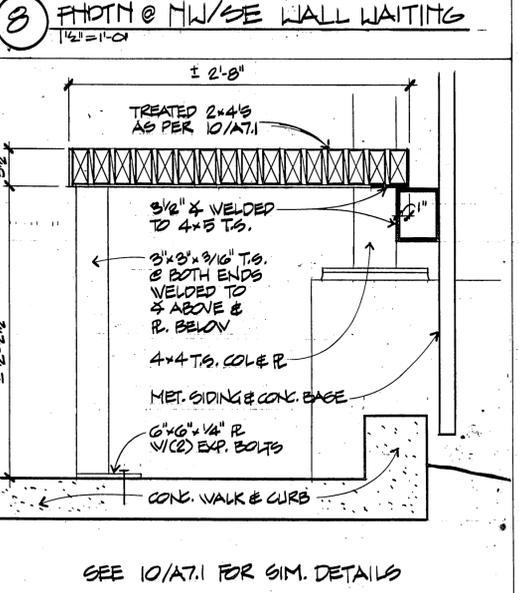
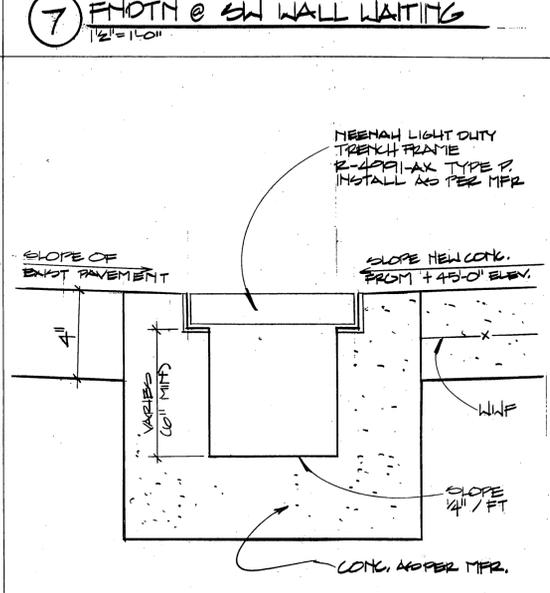
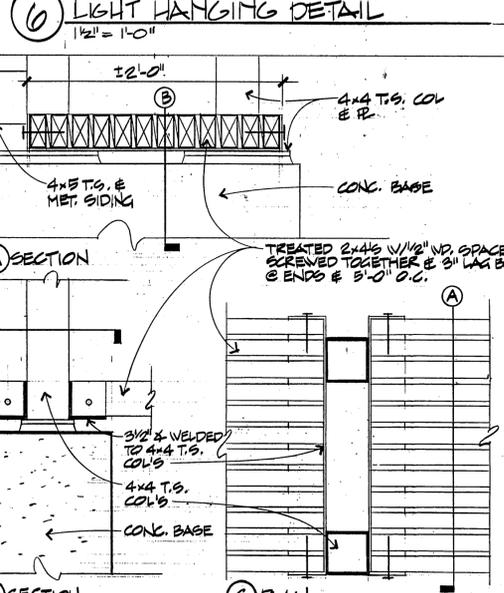
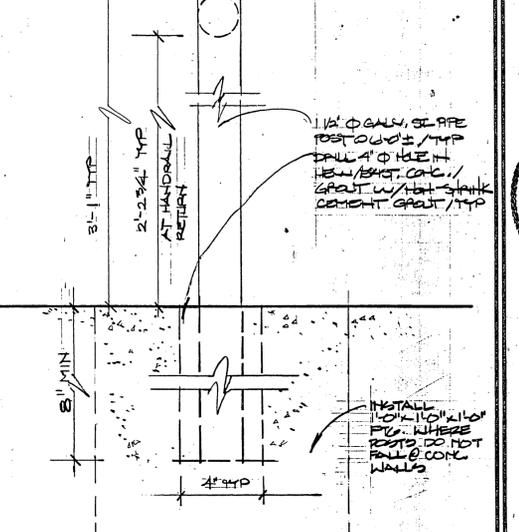
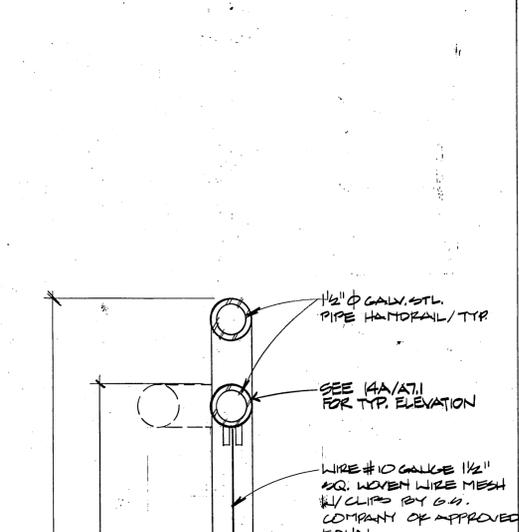
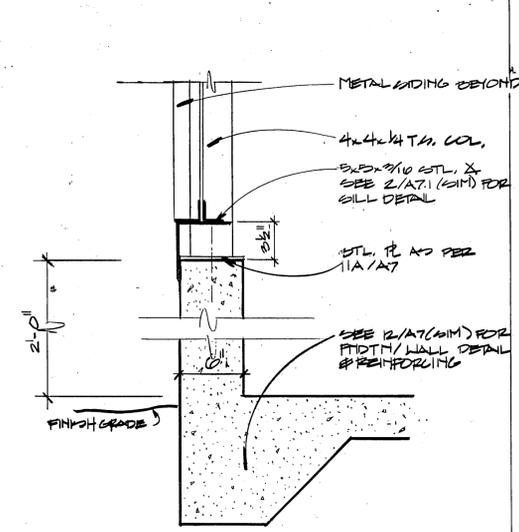
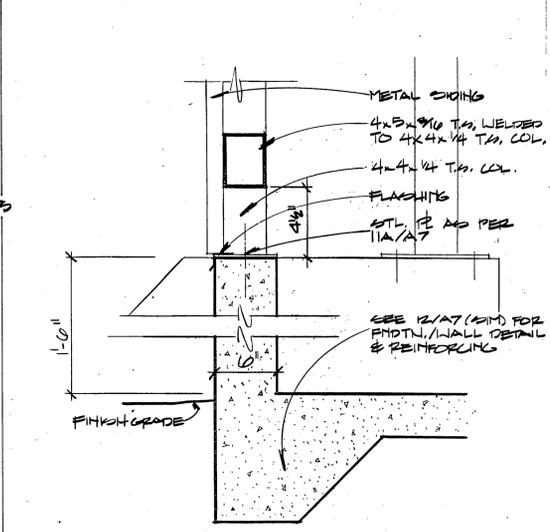
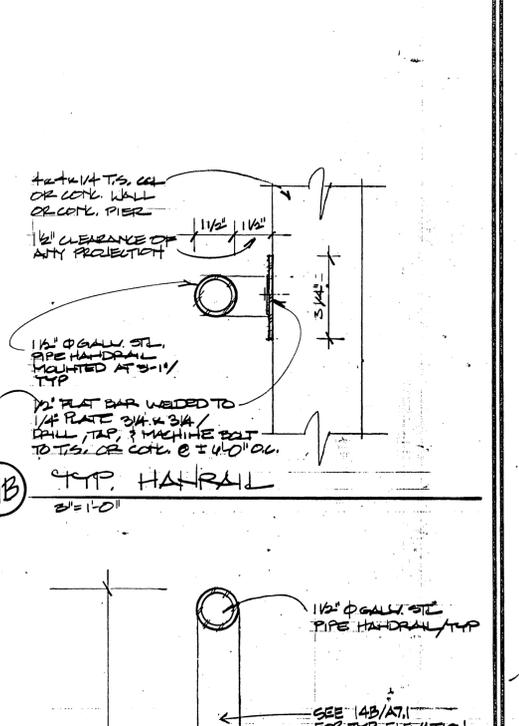
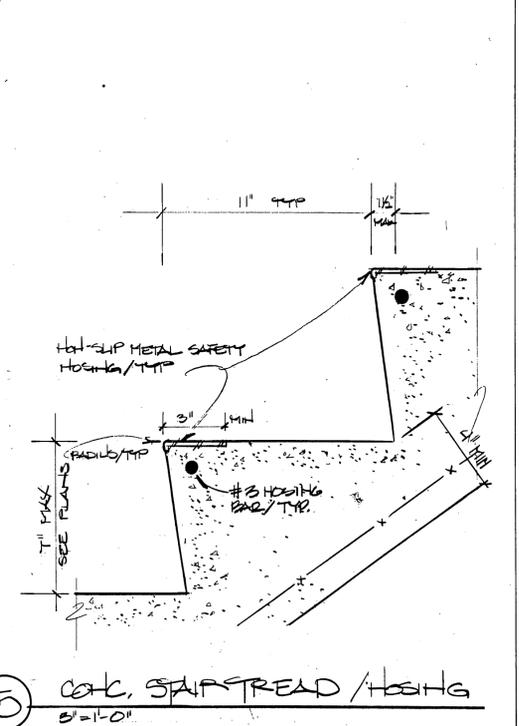
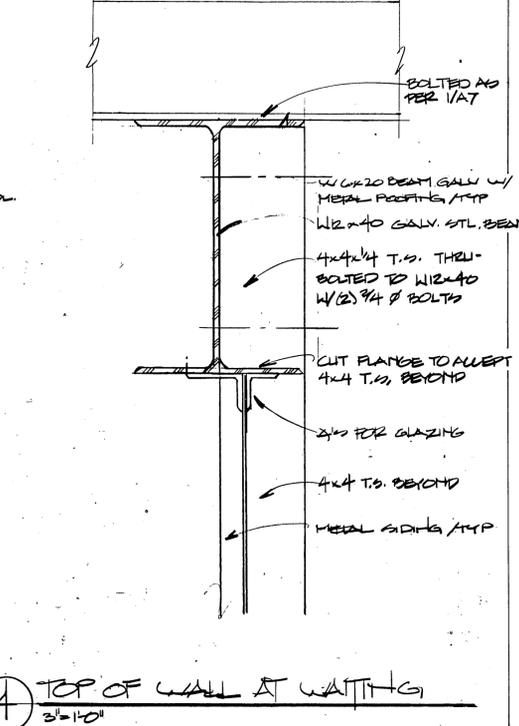
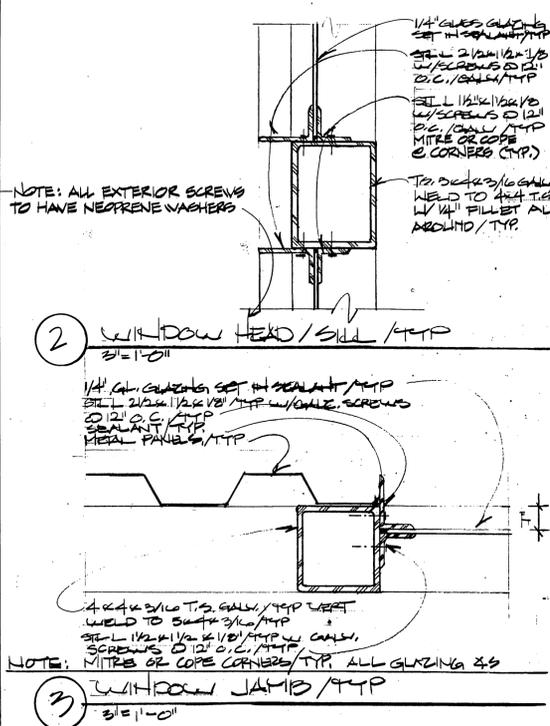
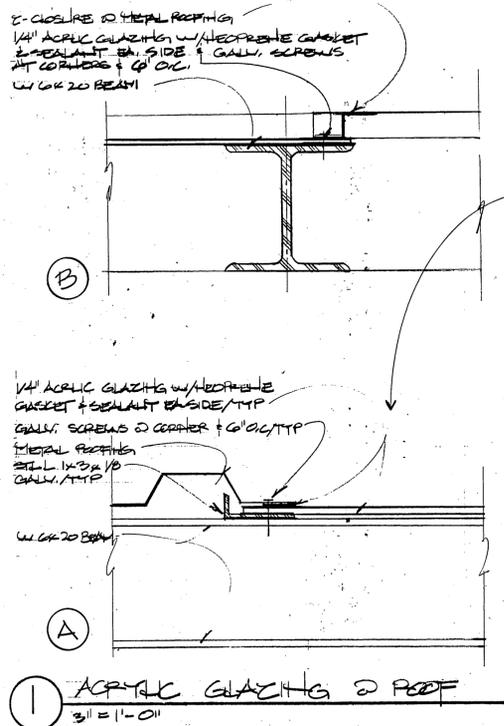


**KETCHIKAN AIRPORT**  
Pedestrian Walkway Cover Replacement

STEPHEN PETERS & ASSOCIATES ARCHITECTS  
807 WATER ST.  
P.O. BOX 8227  
KETCHIKAN, ALASKA 99901  
TEL: 907-252-7133  
FAX: 907-257-7053

DATE: JULY 04  
BY: [Signature]

A6



STEPHEN PETERS & ASSOCIATES ARCHITECTS

107 STEEDMAN SUITE 2  
P.O. BOX 3227  
KETCHIKAN, ALASKA 99901  
TEL: 907.247.7888  
FAX: 907.247.7888

DATE: JULY 94

STATE OF ALASKA ARCHITECTURE BOARD REGISTRATION NO. 10000

KETCHIKAN AIRPORT Pedestrian Walkway Cover Replacement

A7.1

STATE PROJECT NUMBER 71487



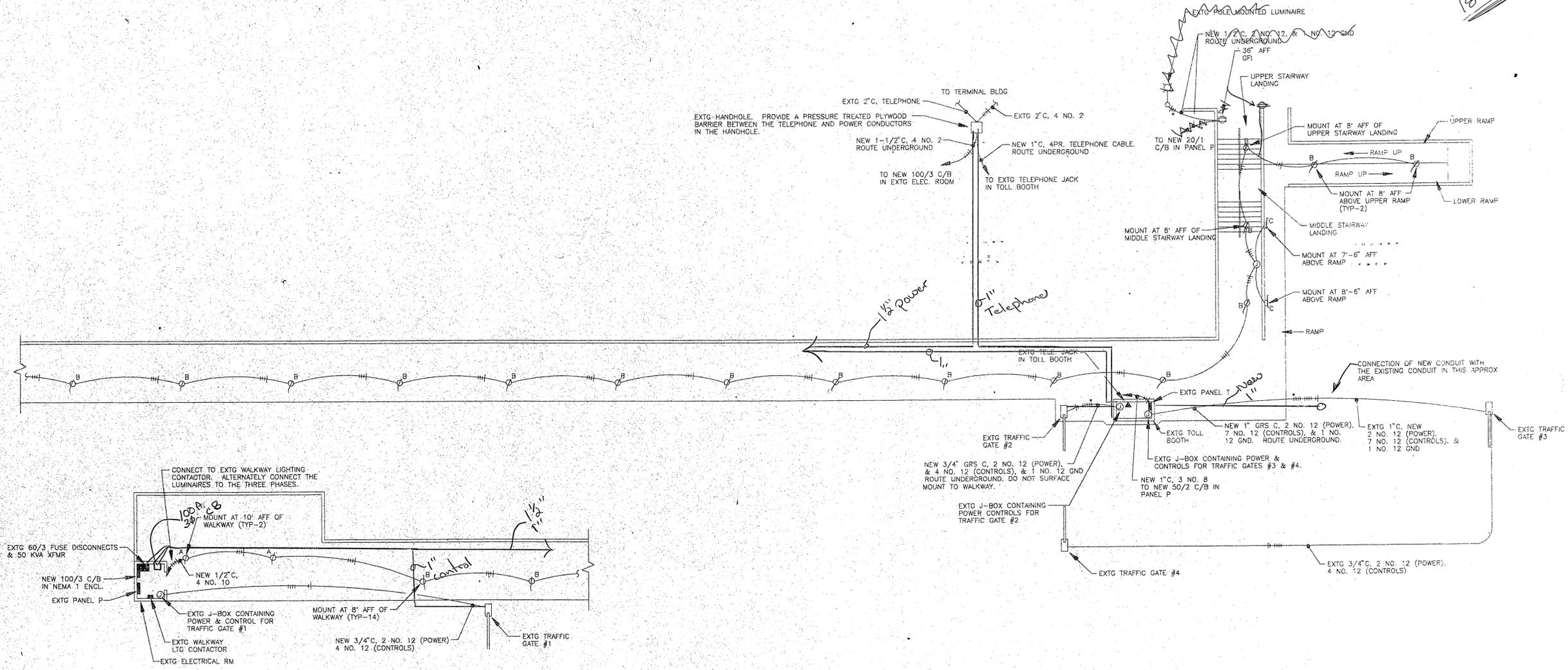
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SHEET NUMBER

E-1

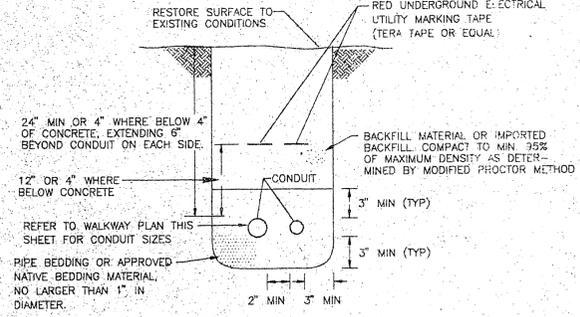
SCALE: 1"=10'  
 DATE: 6-30-94

18 B-1



WALKWAY PLAN  
 SCALE: 1" = 10'

- LEGEND**
- AFF ABOVE FINISHED FLOOR
  - GFI GROUND FAULT INTERRUPTER
  - GRS GALVANIZED RIGID STEEL
  - TTB TELEPHONE TERMINAL BOARD
  - XFMR TRANSFORMER
  - CEILING PENDANT MOUNTED LUMINAIRE
  - ⊕ DUPLEX RECEPTACLE
  - CONDUIT W/ CONDUCTORS, SLASHES INDICATE NUMBER OF CONDUCTORS IF NOT TWO, DOT INDICATES GROUND CONDUCTOR.
  - ⊥ GROUND ROD
  - ⊙ JUNCTION BOX
  - ▭ PANELBOARD
  - ▲ TELEPHONE RECEPTACLE



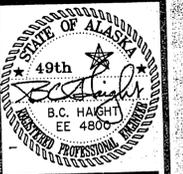
TRENCH DETAIL - TYPICAL  
 NO SCALE

NOTE:  
 UNLESS OTHERWISE NOTED, CONDUIT SHOWN TO BE ROUTED UNDERGROUND MAY BE SURFACE MOUNTED TO WALKWAY ROOF BEAMS ABOVE 8' AFF.

SUBMITTED BY  
 CHANNAL ELEC.

RECEIVED  
 JUL 27 1995  
 DEPARTMENT OF TRANSPORTATION

Electrical, Mechanical, and Civil Engineering Division, Inc. Checked By: RCH



HAIGHT & McLAUGHLIN, INC.  
 CONSULTING ENGINEERS  
 418 Harris Street, Juneau, Alaska 99801 (907) 586-9788

Pedestrian Walkway Cover Replacement

KETCHIKAN AIRPORT

KETCHIKAN, ALASKA

SINGLE LINE DIAGRAMS

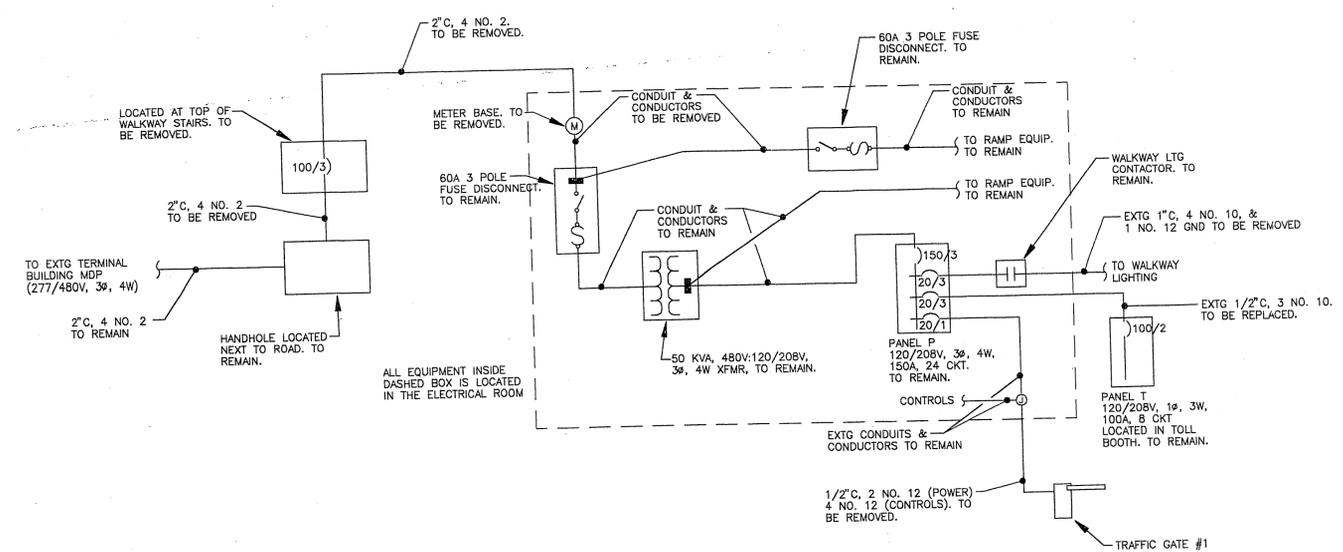
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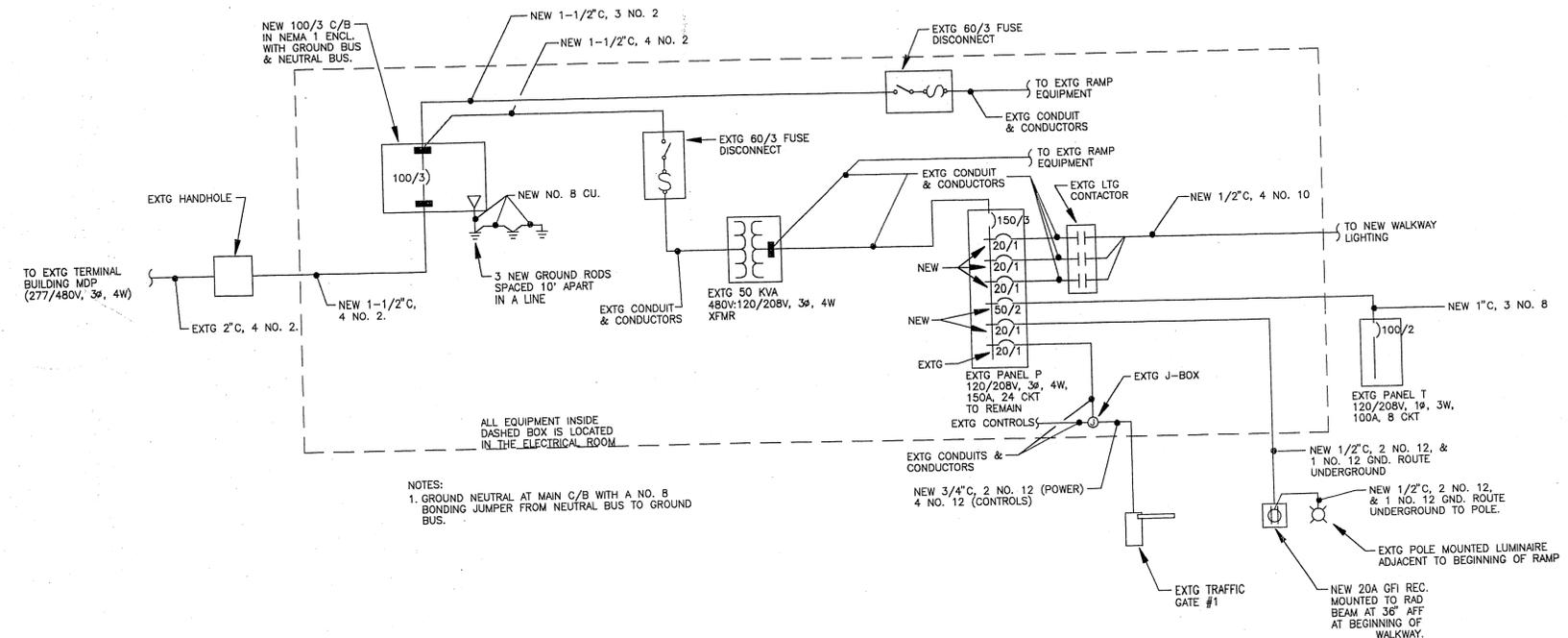
E-2

SCALE: 1"=10'  
 DATE: 6-30-94

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
A	PENDANT MOUNTED LOW BRIGHTNESS HID WITH ENCLOSED BOROSILICATE GLASS REFRACTOR/REFLECTOR	HOLOPHANE PAC 150MH12DX	150W METAL HALIDE	PROVIDE WITH REMOTE BALLAST. MOUNT AT HEIGHT SHOWN. ALL METALLIC PARTS SHALL BE ALUMINUM OR STAINLESS STEEL
B	PENDANT MOUNTED LOW BRIGHTNESS HID WITH ENCLOSED BOROSILICATE GLASS REFRACTOR/REFLECTOR	HOLOPHANE PAC 70DMH12DX	70W METAL HALIDE	PROVIDE WITH REMOTE BALLAST. MOUNT AT HEIGHT SHOWN. ALL METALLIC PARTS SHALL BE ALUMINUM OR STAINLESS STEEL
C	WALLPACK WITH BOROSILICATE REFRACTOR AND GREY ALUMINUM HOUSING	HOLOPHANE WP 2A050MH12GR	50W METAL HALIDE	MOUNT AT 8' AFF



EXISTING SINGLE LINE DIAGRAM  
 NO SCALE



NEW SINGLE LINE DIAGRAM  
 NO SCALE

Project No. 197-02, Drawn By: J.C., Design By: MCM, Checked By: BCH