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P.O. BOX 24029
BEAVER, ALASKA 99724

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BEAVER TRIBAL COUNCIL

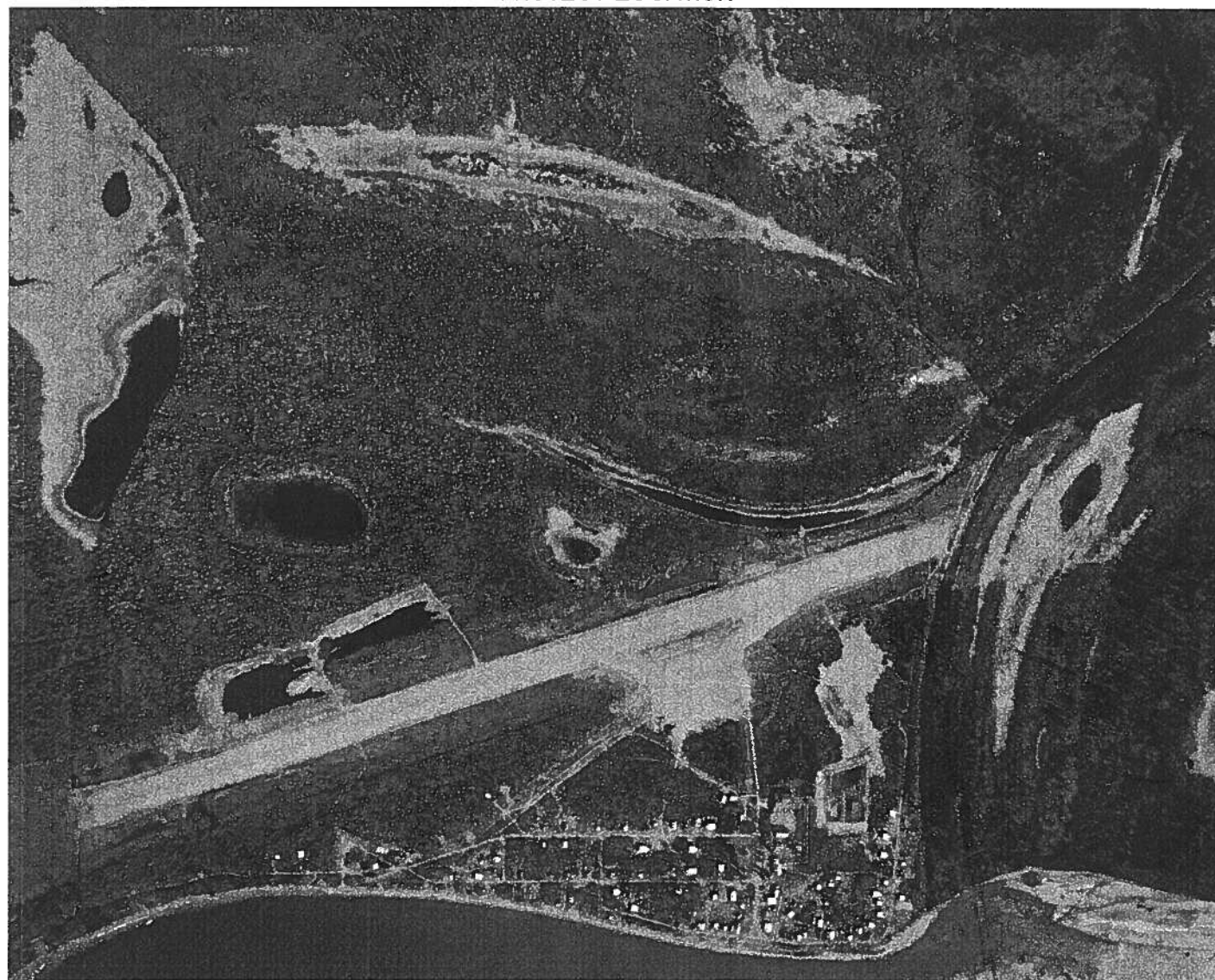
WASHETERIA ADA UPGRADE PROJECT

IN COOPERATION WITH
ALASKA NATIVE TRIBAL HEALTH CONSORTIUM AND
U.S. INDIAN HEALTH SERVICE
PROJECT AN 97-L84

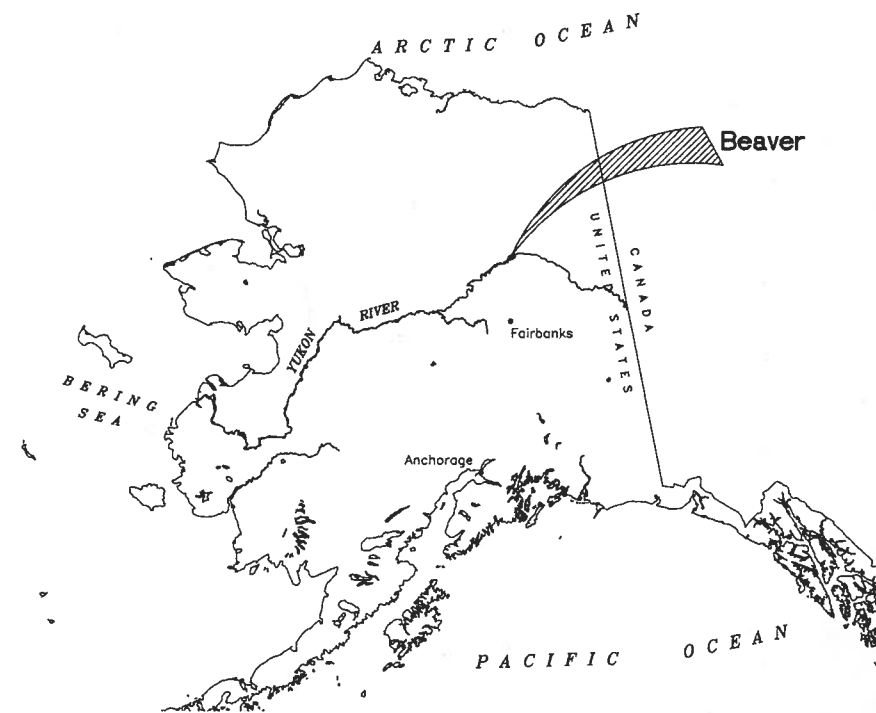
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PROJECT LOCATION



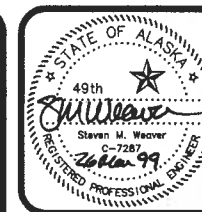
LOCATION MAP



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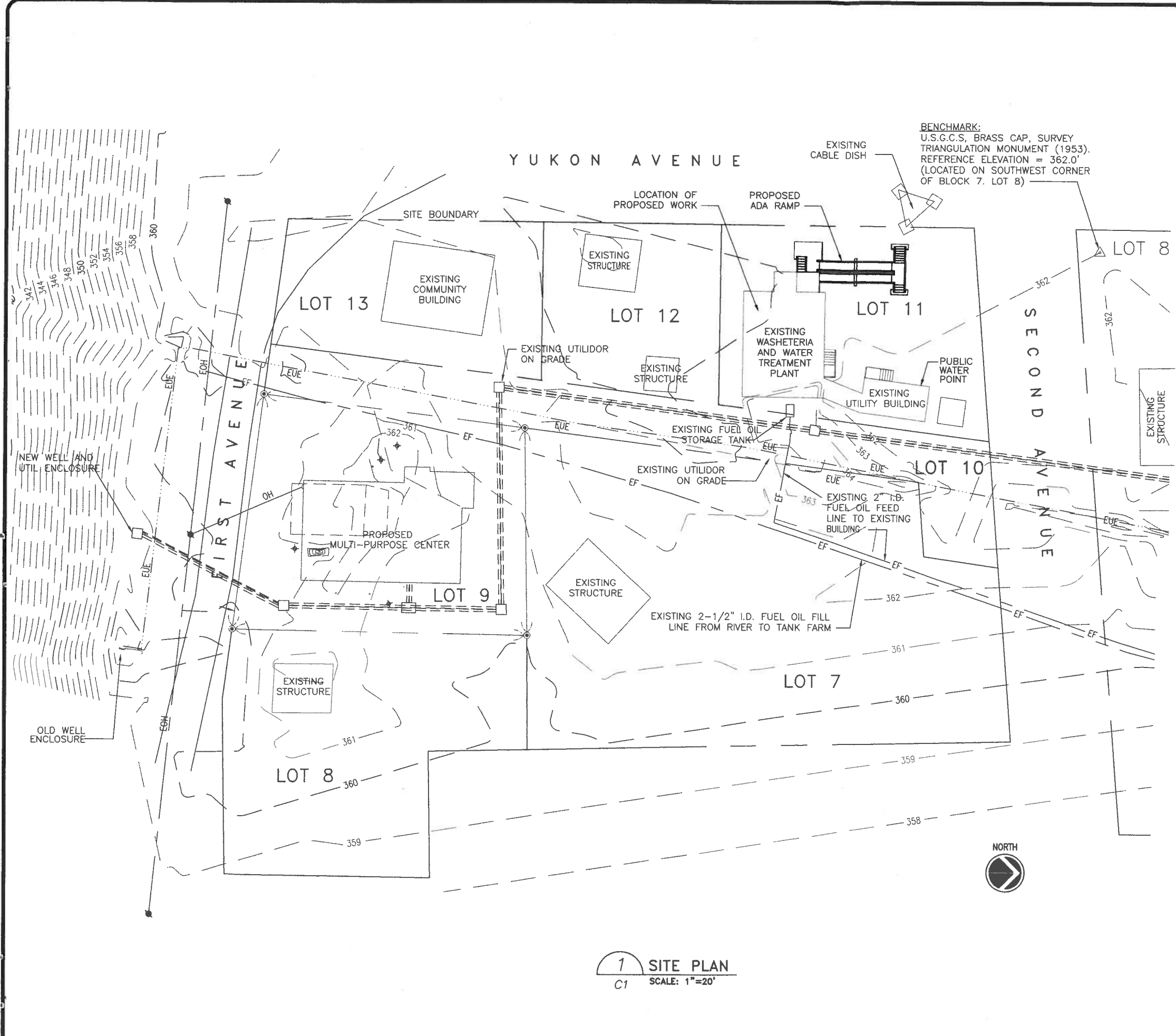
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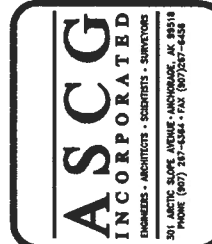
WASHETERIA REMODEL
SITE PLAN
BEAVER, ALASKA

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JANITTO 3158A/ACAD/CAL/CL/LOW
JOB NO: 3158
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1 SITE PLAN
C1 SCALE: 1"=20'

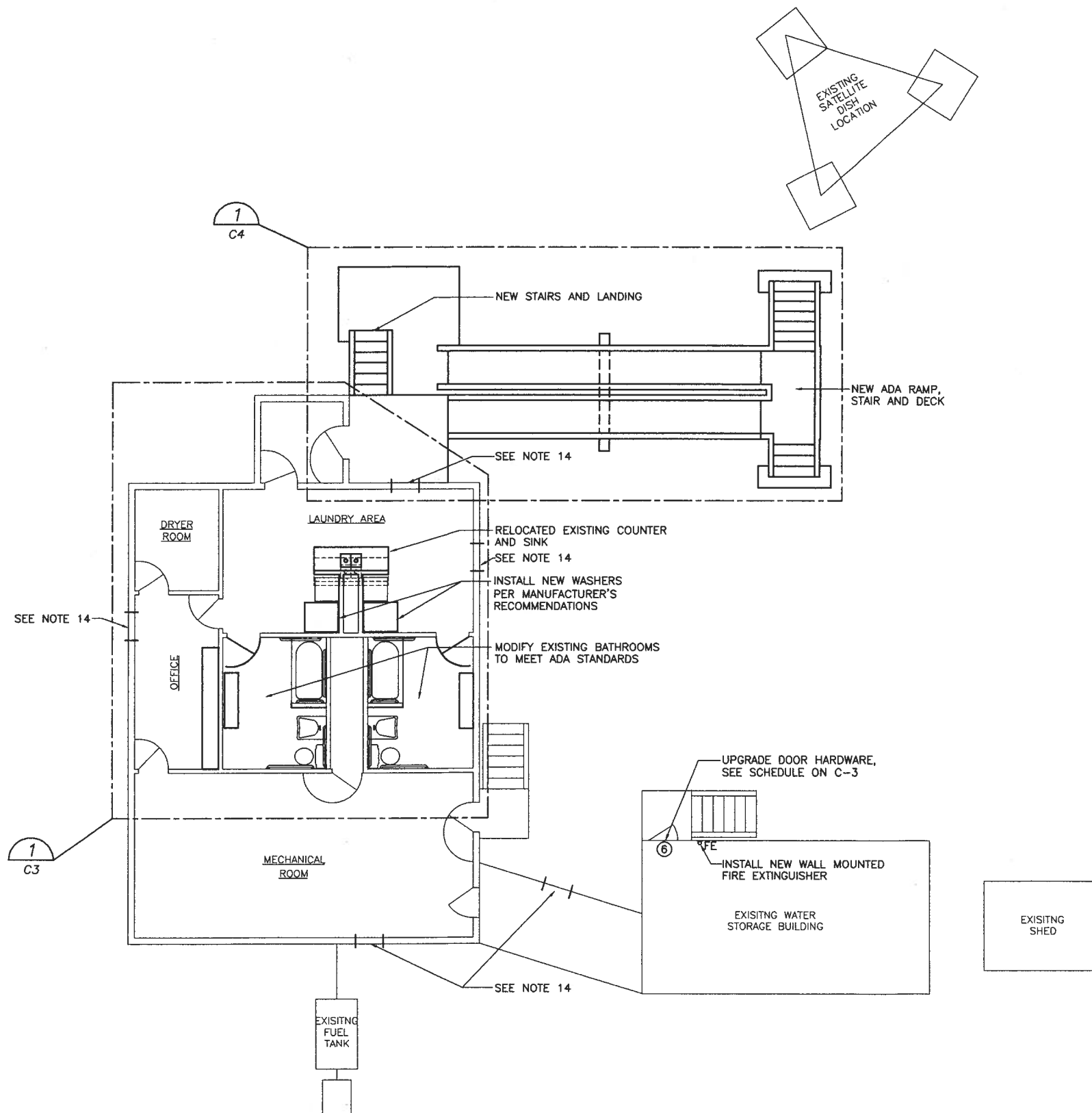


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WASHETERIA REMODEL
 OVERVIEW/SCOPE OF WORK
 BEAVER, ALASKA

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 SHEET 3 OF 15



1 PROJECT OVERVIEW
 SCALE: 1"=6'-0"

SCOPE OF WORK

- PROVIDE ADA ACCESS RAMP FOR WASHETERIA. REMOVE EXISTING DECK, INSTALL NEW DECK, AND RAMP STAIRS.
- ADJUST EXTERIOR PUBLIC ROOM DOOR AND FRAME.
- REMOVE EXISTING MENS AND WOMENS ROOM PLUMBING FIXTURES, WALL SYSTEMS, AND RAISED FLOORING. RELOCATE WALL HEATERS AND REPLACE CEILING FANS.
 - PROVIDE TWO EACH "FAMILY STYLE" ADA ACCESSIBLE BATHROOMS EQUIPPED WITH A SHOWER/TUB COMBINATION, SINK, AND TOILET, INCLUDING LOCKING, ADA ACCESSIBLE DOORS.
 - TRIM TOP OF EXISTING INTERIOR PARTITIONS TO ALLOW 1/2" GAP FOR TRUSS FLEXING AND UPLIFT. INSTALL BLOCKING AS REQUIRED.
 - REMOVE EXISTING WALL COVERING. INSTALL NEW FIBERGLASS REINFORCED TEXTURED WALL COVERING. CONTRACTOR SHALL SUBMIT SAMPLE OF NEW COVERING FOR APPROVAL-PRIOR TO ORDERING. PATCH AND PAINT CEILING TO MATCH EXISTING.
- PROVIDE AND INSTALL TWO EACH NEW 25 LB. SOFT MOUNT LARGE CAPACITY (SINGLE PHASE, 208 VOLT) WASHERS (SPEEDQUEEN OR EQUAL). UPGRADE ELECTRICAL FOR NEW WASHERS. REMOVE AND STORE TWO EXISTING STANDARD CAPACITY WASHERS. EXTEND WASHER PONY WALL.
- REMOVE AND REINSTALL EXISTING PUBLIC ROOM SINK. EXTEND WASHER PONY WALLS. ADD COLD WATER ONLY SINK.
- PAINT BUILDING EXTERIOR; KEEP SAME COLOR.
- REINFORCE MECHANICAL ROOM FLOOR AS SHOWN ON S-1.
- UPGRADE INCANDESCENT LIGHTING TO FLOURESCENT TUBES WITH T8 LAMPS.
- ADD SHELVING (11 FT.) TO INTERIOR OPERATOR OFFICE WALL.
- UPGRADE MECHANICAL ROOM FLOOR DRAIN IN FRONT OF PRESSURE FILTER; PROVIDE PIPED DRAIN FROM UNDER BUILDING AND 30 FT OF HOSE TO DRAIN WATER AWAY FROM BUILDING FOUNDATION.
- KEEP CURRENT TILE FLOORING AND WALL SYSTEM IN PUBLIC ROOM, REPLACE COVE BASE. PAINT CEILING TO MATCH EXISTING.
- INSTALL NEW ADA ACCESSIBLE DOOR HARDWARE ON TWO EXISTING DOORS.
- PROVIDE NEW TOKEN BOXES WHICH CAN ACCEPT A COMMON TOKEN. NEW TOKEN BOXES TO BE SAME MFG. AS ORIGINAL. PROVIDE 1,000 TOKENS.
- REPAIR 5 ALASKAN WINDOWS. REMOVE & REPLACE DAMAGED HARDWARE.
- PROVIDE 2 EACH - WHEELED LAUNDRY BASKETS. PROVIDE SUBMITTAL INFORMATION, PRIOR TO ORDERING FOR APPROVAL.

CONSTRUCTION NOTES:

- CONTRACTOR TO VERIFY INVERTS OF ALL DRAINS TO ASSURE POSITIVE FLOW TO LIFT STATION.
- CONSTRUCT NEW RAISED FLOOR FOR ADA TUB.
- RELOCATE ELECTRICAL OUTLETS.
- REMOVE EXISTING SINKS, TOILETS AND SHOWERS.
- NEW FLOOR AND WALL COVERING FOR BATHROOMS.
- RUBBER SEALS TO BE USED FOR TOILETS.
- DISPOSE OF ALL CONSTRUCTION DEBRIS IN COMMUNITY LANDFILL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.



REMOVE EXISTING WINDOW & FRAME
INSTALL RECESSED FIRE EXTINGUISHER CABINET (W/NEW FIRE EXTINGUISHER) & BULLETIN BOARD.
SEE 10 C6

CONSTRUCT NEW LID FOR PLUMBING CHASE MATCH EXISTING WALL FINISH

INSTALL NEW WALL MOUNTED FIRE EXTINGUISHER

INSTALL NEW TOKEN BOX, SEE NOTES 5 AND 8

INSTALL NEW SHELVING

INSTALL RELOCATED HEAT REGISTERS-TYP OF 2-SEE M3

NOTE: SEE MECHANICAL FOR PLUMBING PLAN.

PLUMB RELOCATED SINK AS COLD WATER ONLY

EXTEND EXISTING PONY WALL TO MAKE ROOM FOR NEW WASHER

INSTALL TWO NEW EX25 WASCOMAT, TOKEN OPERATED WASHERS 32"W, 37"D, 48.1"H TOKEN TO MATCH NEW TOKENS

INSTALL NEW 36" DOOR WITH HARDWARE
NEW BENCH

INSTALL ADA APPROVED TUB/SHOWER 36"Wx60-72"L

INSTALL NEW WALL 2x6 CONSTRUCTION

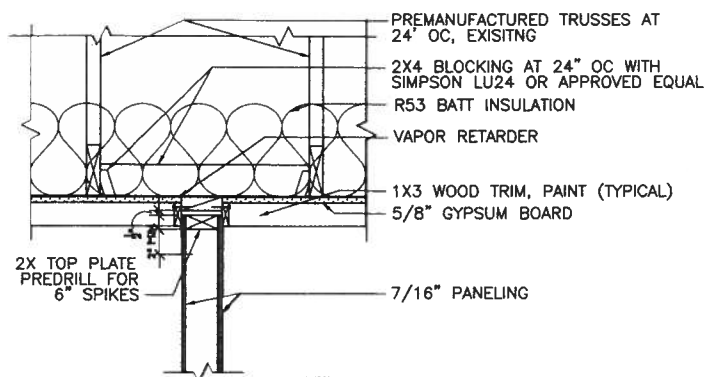
INSTALL ADA APPROVED BATHROOM SINK 26"Lx20"W
INSTALL YORKVILLE PRESSURE ASSISTED ADA TOILET

REMOVE EXISTING FLOORING AND BASE, INSTALL NEW FLOORING AND COVE BASE

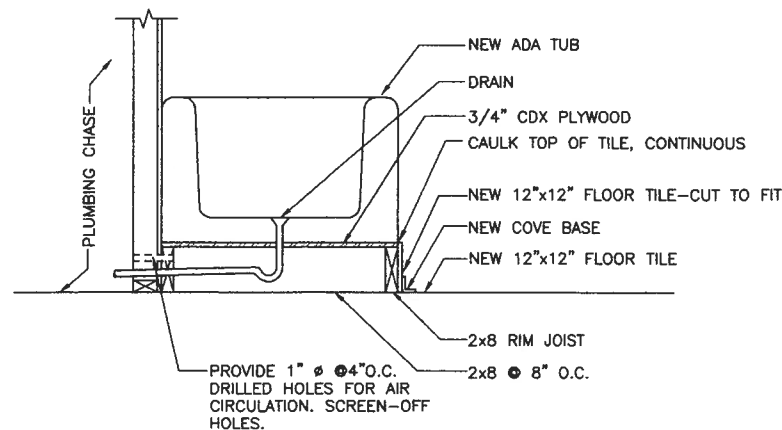
INSTALL NEW FIRE EXTINGUISHER WALL MOUNT

TYPICAL BOTH BATHROOMS

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



A SECTION AT TOP OF WALL
SCALE: 1 1/2"=1'-0"



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

NEW DOOR SCHEDULE

DOOR NO.	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	REMARKS
2A	3'-0"	7'-0"	A	WSC	PAINT	PROVIDE WOOD FRAMES W/NEW DOORS
2B	3'-0"	7'-0"	A	WSC	PAINT	PROVIDE WOOD FRAMES W/NEW DOORS

A - SOLID DOOR, NO WINDOW
WSC - SOLID CORE DOOR, WOOD

DOOR HARDWARE SCHEDULE
(LOCATIONS SHOWN 1/C2 & 1/C3)

DOOR NO.	LOCKSET	CLOSER		KICKPLATE	HINGES	REMARKS
		LCN#	NO.			
1A	RHODES, D50PD	1070	1	EXISTING	EXISTING	NOTE 1,2,3
1B	RHODES, D50PD	1070	1	EXISTING	EXISTING	NOTE 1,2,3
2A	RHODES, D40S	1070	1	18"x33" STAINLESS STEEL	BB4101 4.5"x4.5" 1 1/2 PAIRS	NOTE 1,2
2B	RHODES, D40S	1070	1	18"x33" STAINLESS STEEL	BB4101 4.5"x4.5" 1 1/2 PAIRS	NOTE 1,2
3	RHODES, D50PD	1070	1	EXISTING	EXISTING	NOTE 1,2,3
4	RHODES, D50PD	1070	1	EXISTING	EXISTING	NOTE 1,2,3
5	RHODES, D50PD	1070	1	EXISTING	EXISTING	NOTE 1,2,3
6	RHODES, D50PD	1070	1	EXISTING	EXISTING	NOTE 1,2,3,4

- NOTES:
- SCHLAGE 626 FINISH 2 3/4" BACKSET
 - SET CLOSERS TO HAVE FIVE POUND PULL, MAXIMUM.
 - KEY TO MATCH EXISTING MASTER.
 - INSTALL NEW DEAD BOLT SCHLAGE B162N, 626FINISH, 2 3/4" BACKSET.

WASHETERIA EQUIPMENT SCHEDULE

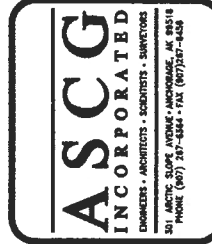
EQUIPMENT	QNTY	MAKE	MODEL
WASHERS	2	SPEED QUEEN	SF25, OR EQUAL
SHOWER VALVES	2	PEERLESS	TO BE DETERMINED
WATER CLOSET	2	AMERICAN STD	YORKVILLE PRESSURE ASSISTED 16-1/8" ADA-REAR EXIT
SHOWER/TUB	2	ACCESS	CTS-7236BF OR EQUAL SEE NOTE 6
LAVATORY	2	KOHLER	K-2097 ADA OR EQUAL

INTERIOR FINISH SCHEDULE

AREA DESIGNATION	FLOOR			BASE TRIM			WALL			CEILING
	MATERIALS	FINISH	COLOR	MATERIALS	FINISH	COLOR	MATERIALS	FINISH	COLOR	MATERIALS
BATHROOM	12x12 TILE	ARMSTRONG	BUCKSKIN	RUBBER	FLAT	WHITE	NOTE 3	TEXTURED	WHITE	EXISTING
LAUNDRY AREA	EXISTING			RUBBER	FLAT	TAN	EXISTING			EXISTING

GENERAL NOTES:

- ADA TUB SHALL BE ELEVATED ON A 8" WOODEN PLATFORM.
- RAISED FLOORING SHALL BE EXTERIOR GRADE 3/4" PLYWOOD COVER EXPOSED SIDE WITH 12 x 12 ARMSTRONG TILE.
- FIBERGLASS WALL PANELS: SEQUENTIA ALSYNITE-STRUCTOGLAS, 1130 WHITE, FLAT LINER OR EQUAL.
- PROVIDE NEW WOOD CROWN MOLDING FOR BATHROOMS. PAINT WHITE TO MATCH NEW WALL COVERING.
- NEW TOKEN BOXES SHALL TAKE COMMON TOKENS-TYPICAL.
- INCLUDE NEW ROD, SHOWER CURTAIN, CURTAIN HANGERS AND SPARE CURTAIN.
- CONTRACTOR TO PROVIDE 6'Lx2'Wx8"H FIBERGLASS PLATFORM-2 EACH-FOR IN FRONT OF NEW TUB.
- REMOVE EXISTING COIN BOXES, REPLACE WITH TOKEN OPERATED BOXES THAT OPERATE ON A COMMON TOKEN.



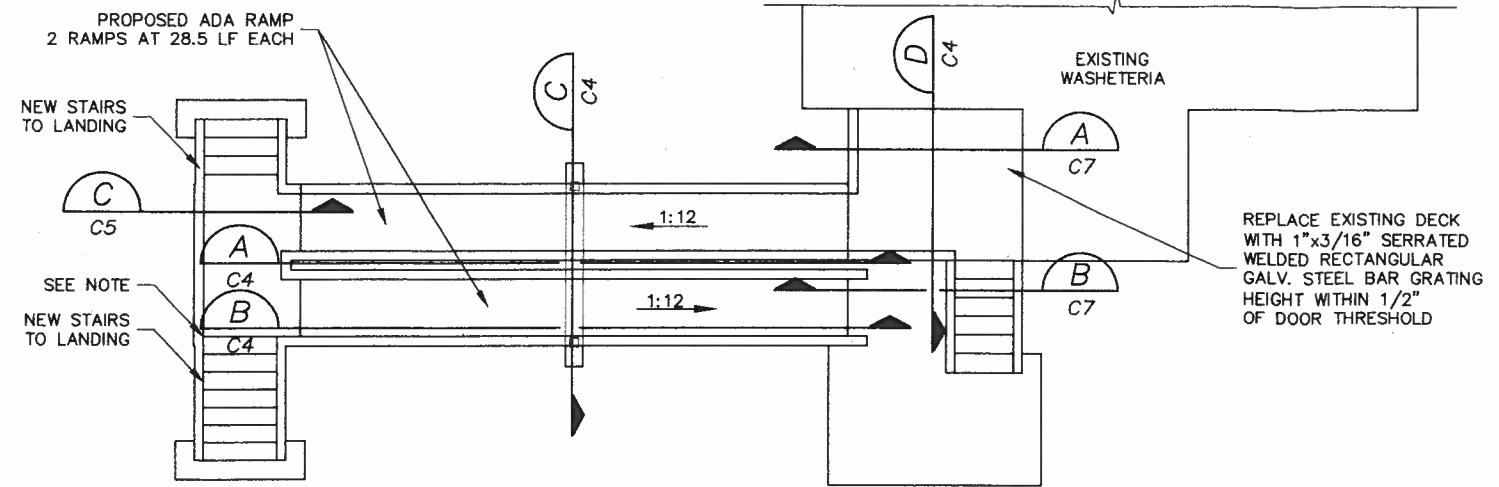
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WASHETERIA REMODEL
FLOOR PLAN AND SCHEDULES
BEAVER, ALASKA

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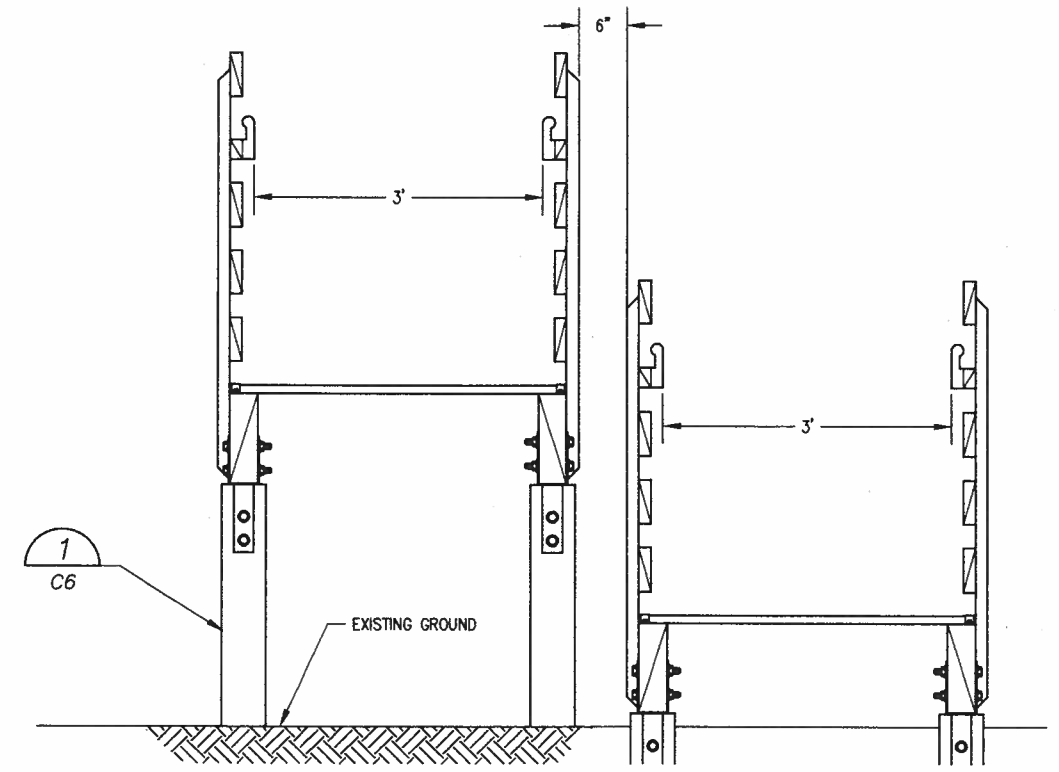
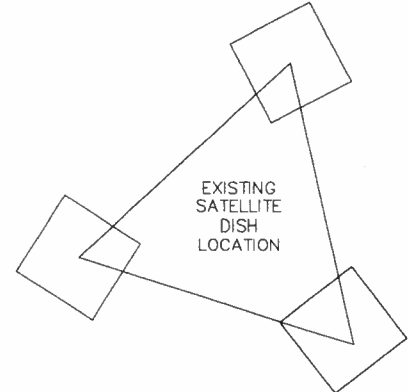
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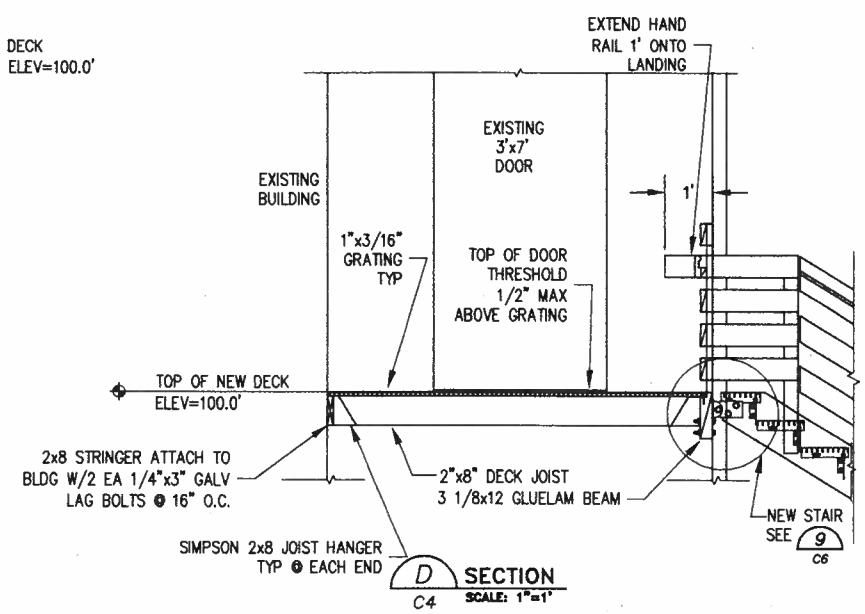
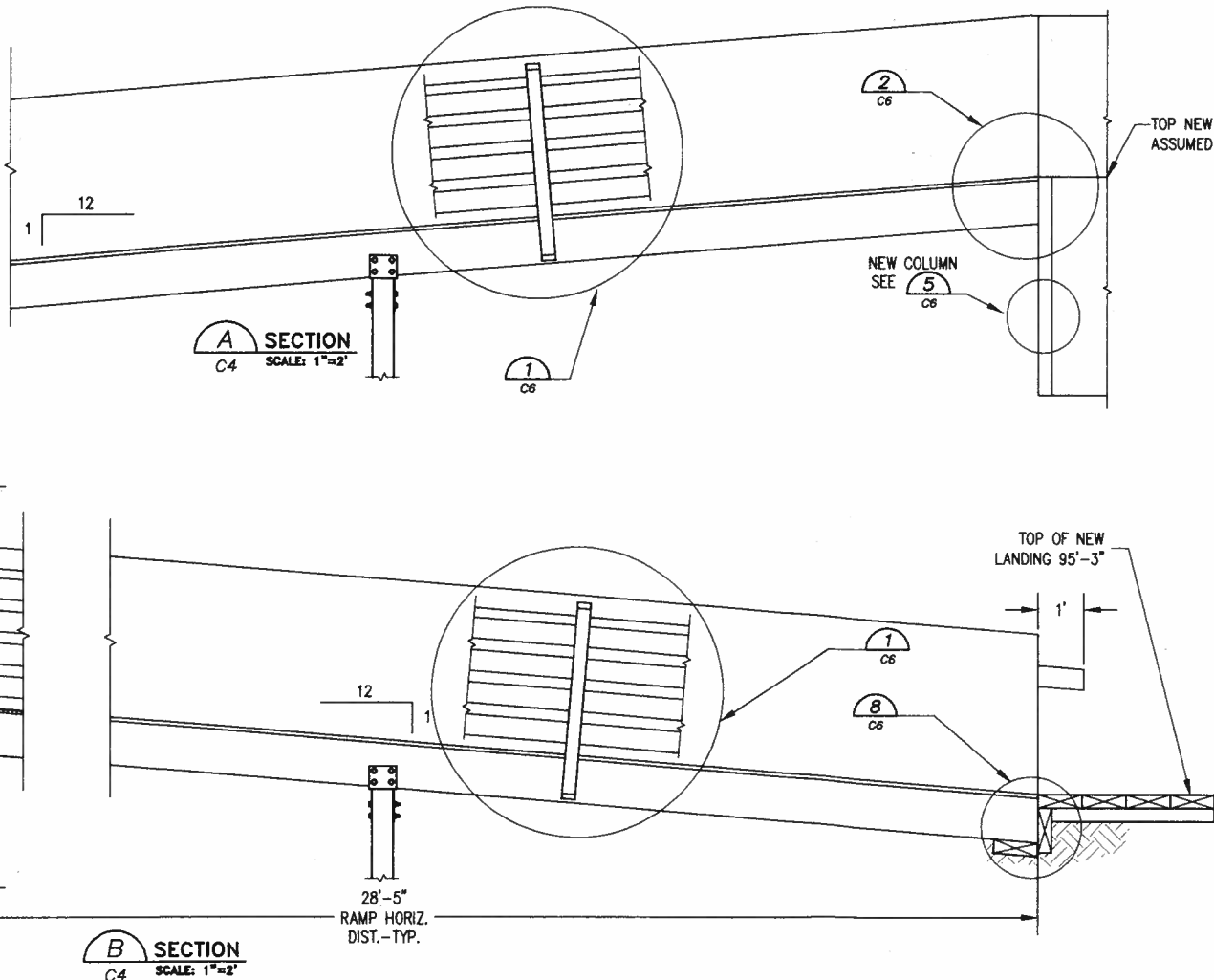
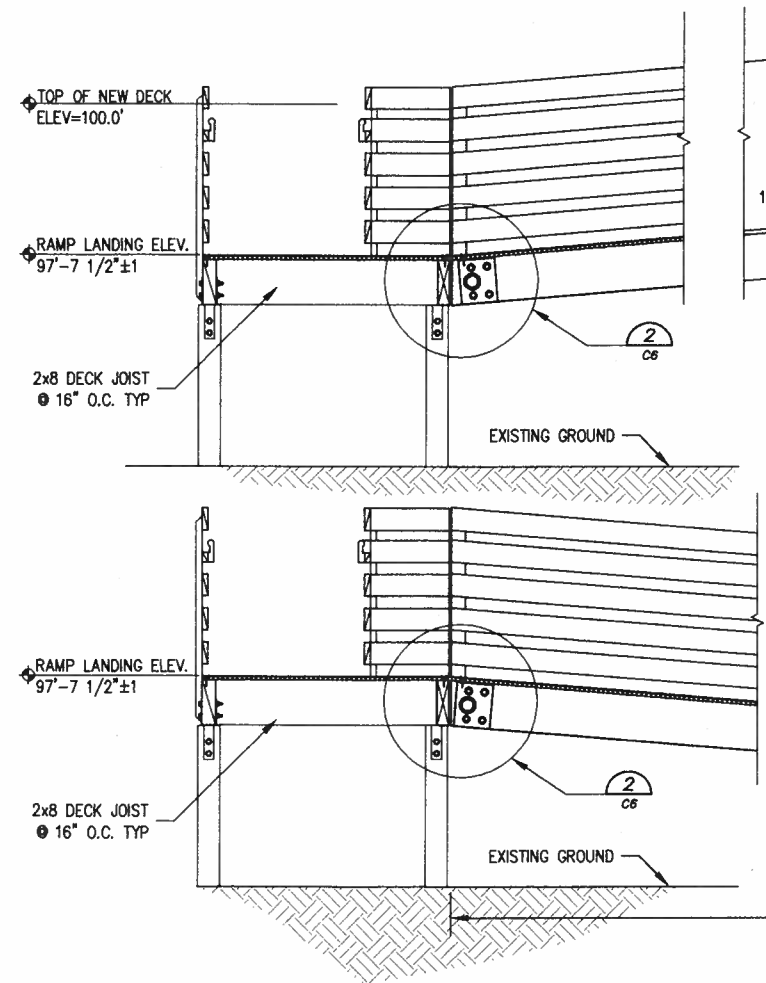


1 RAMP DETAIL
C4 SCALE: 1"=3'

NOTE "A"
CONFIRM LOCATION OF LANDING,
IF ADEQUATE CLEARANCE BETWEEN
DISH AND LANDING, OMIT WEST STAIR.



C SECTION
C4 SCALE: 1"=1'



D SECTION
C4 SCALE: 1"=1'



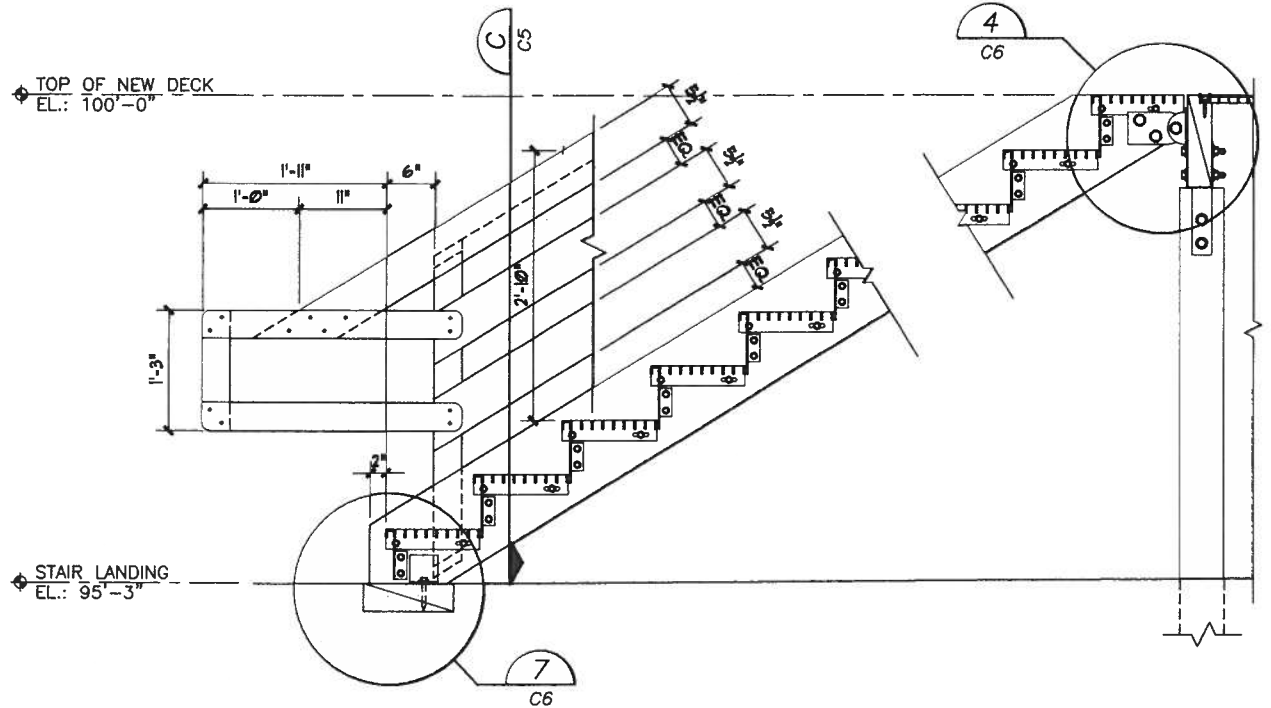
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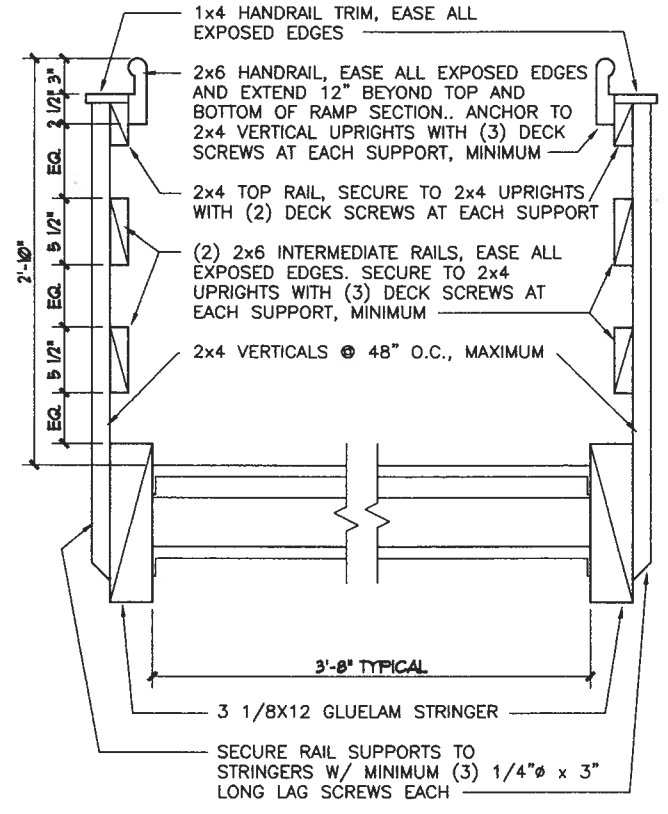
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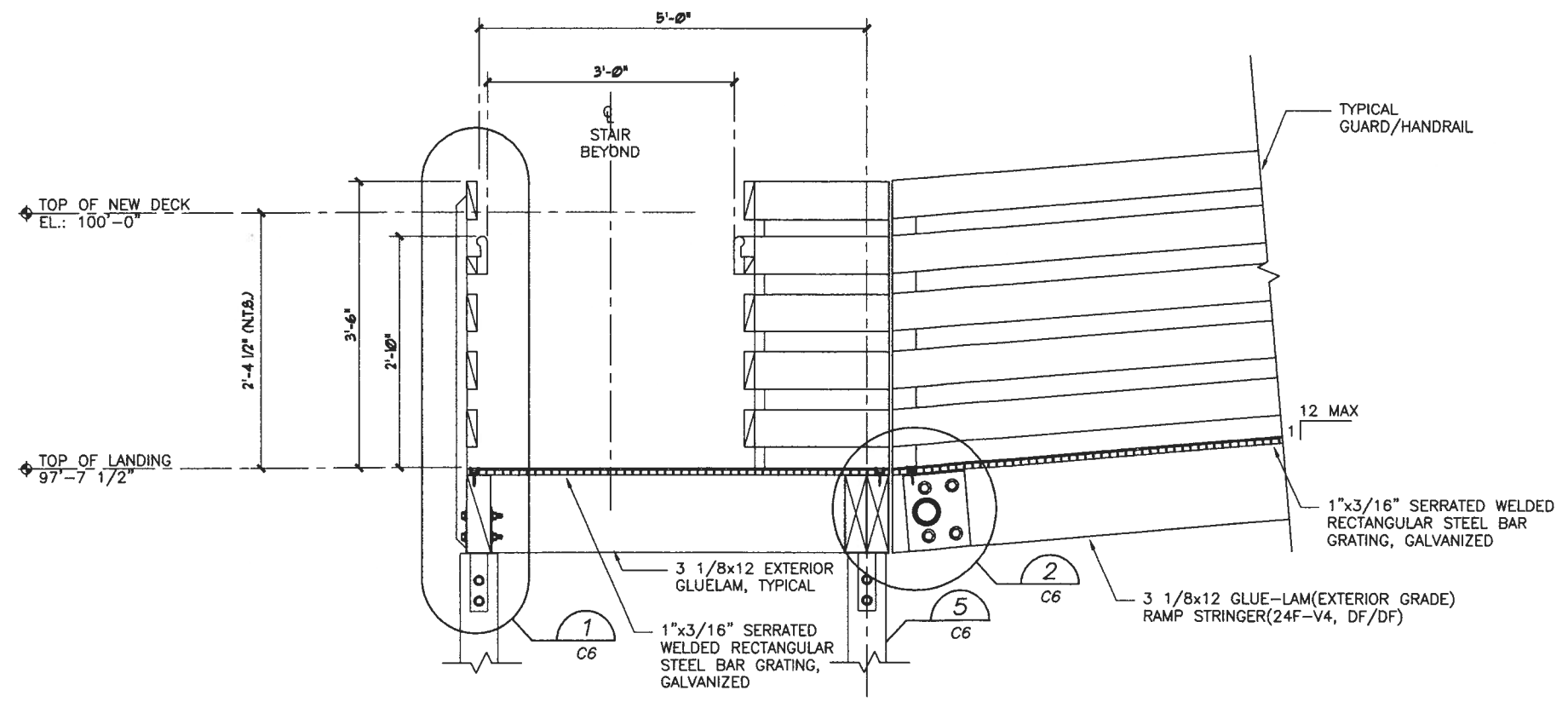
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1 EXTERIOR STAIR DETAIL
C5 SCALE: 1"=1"



2 TYPICAL EXTERIOR STAIR GUARDRAIL/HANDRAIL
C5 SCALE: 1"=1"



C EXTERIOR STAIR SECTION
C5 SCALE: 1"=1"

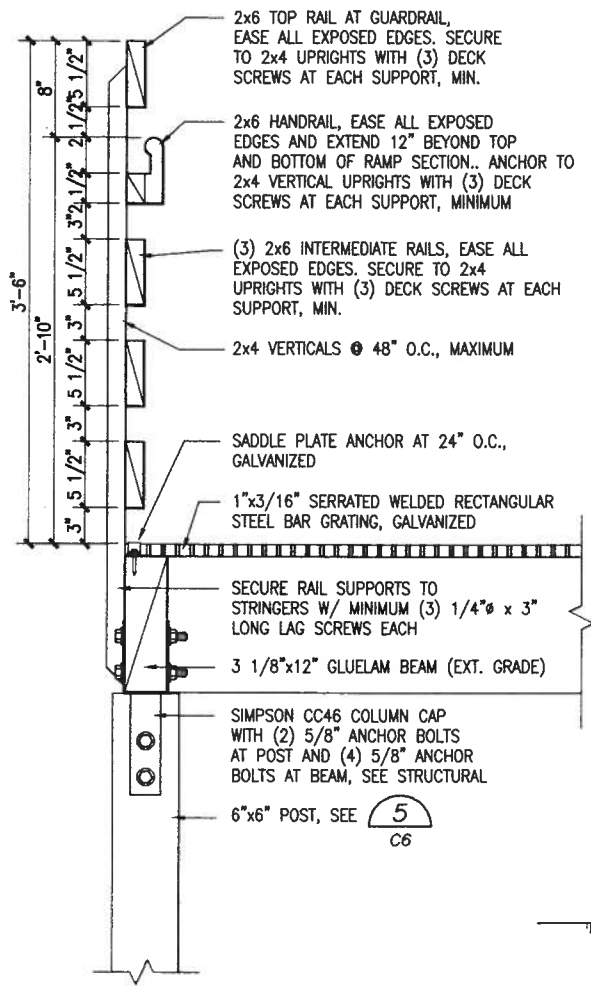


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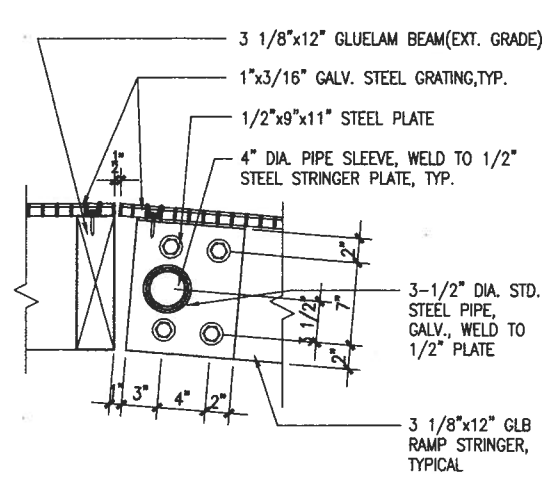
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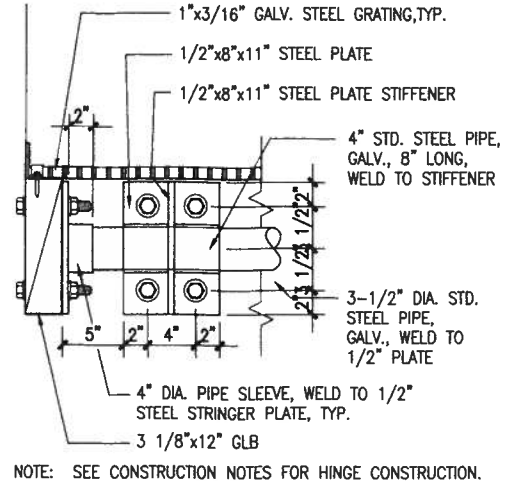
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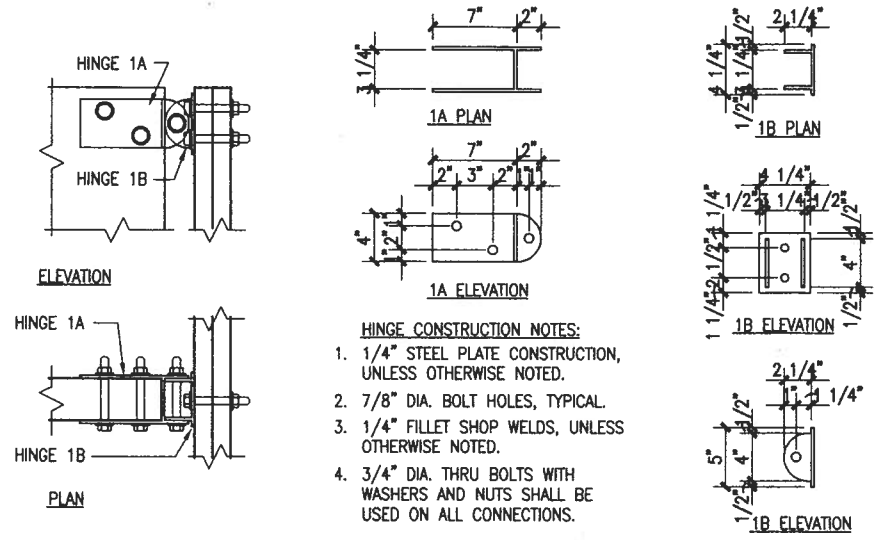
1 GUARDRAIL/HANDRAIL AT RAMP/STAIRS/DECK
C6 SCALE: 1 1/2"=1'-0"



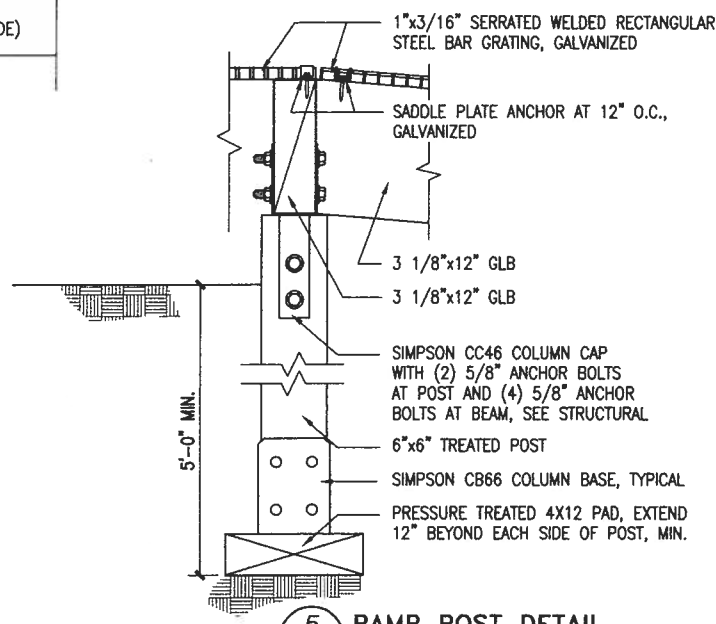
2 RAMP HINGE DETAIL
C6 SCALE: 1 1/2"=1'-0"



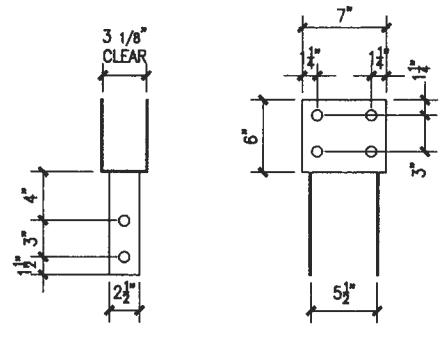
3 RAMP HINGE DETAIL
C6 SCALE: 1 1/2"=1'-0"



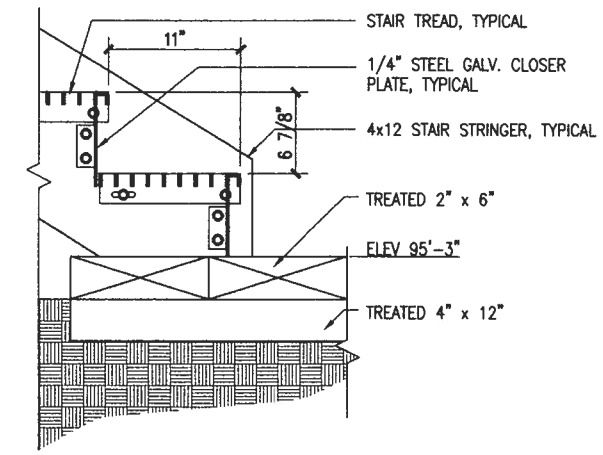
4 STAIR HINGE BRACKET
C6 SCALE: 1 1/2"=1'-0"



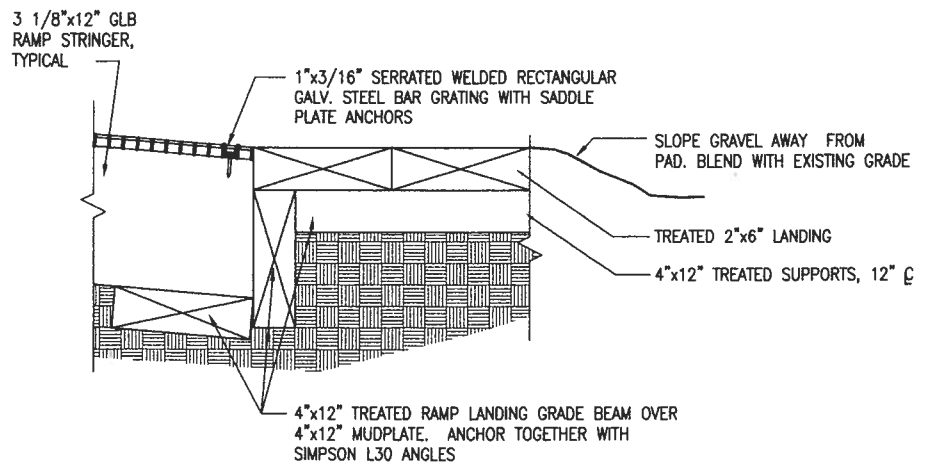
5 RAMP POST DETAIL
C5 SCALE: 1 1/2"=1'-0"



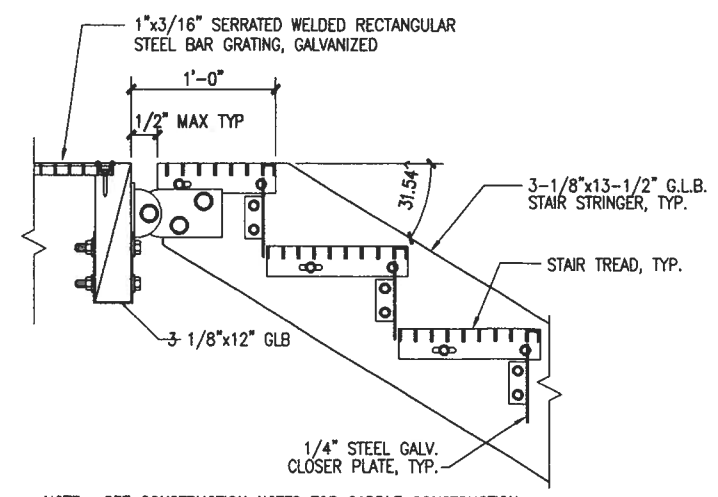
6 COLUMN CAP
C6 SCALE: 1 1/2"=1'-0"



7 STAIR TERMINATION AT GRADE DETAIL
C6 SCALE: 1 1/2"=1'-0"

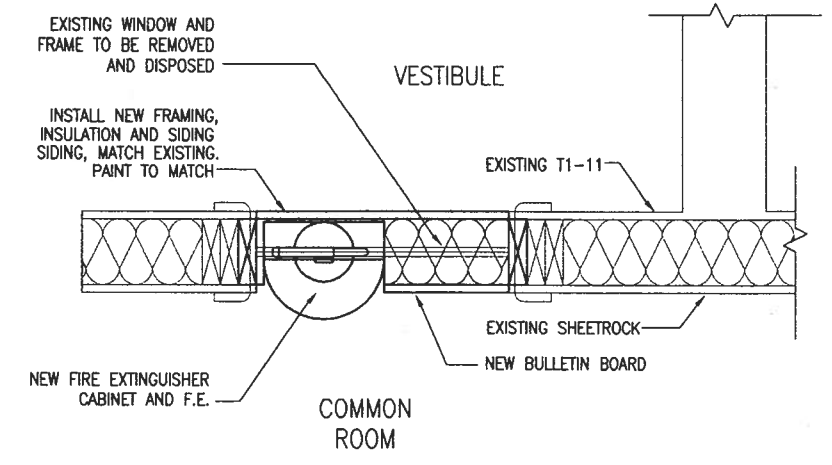


8 RAMP TERMINATION AT GRADE DETAIL
C6 SCALE: 1 1/2"=1'-0"



NOTE: SEE CONSTRUCTION NOTES FOR SADDLE CONSTRUCTION

9 STAIR CONNECTION DETAIL
C6 SCALE: 1 1/2"=1'-0"



10 WINDOW DETAIL
C6 SCALE: 1 1/2"=1'-0"

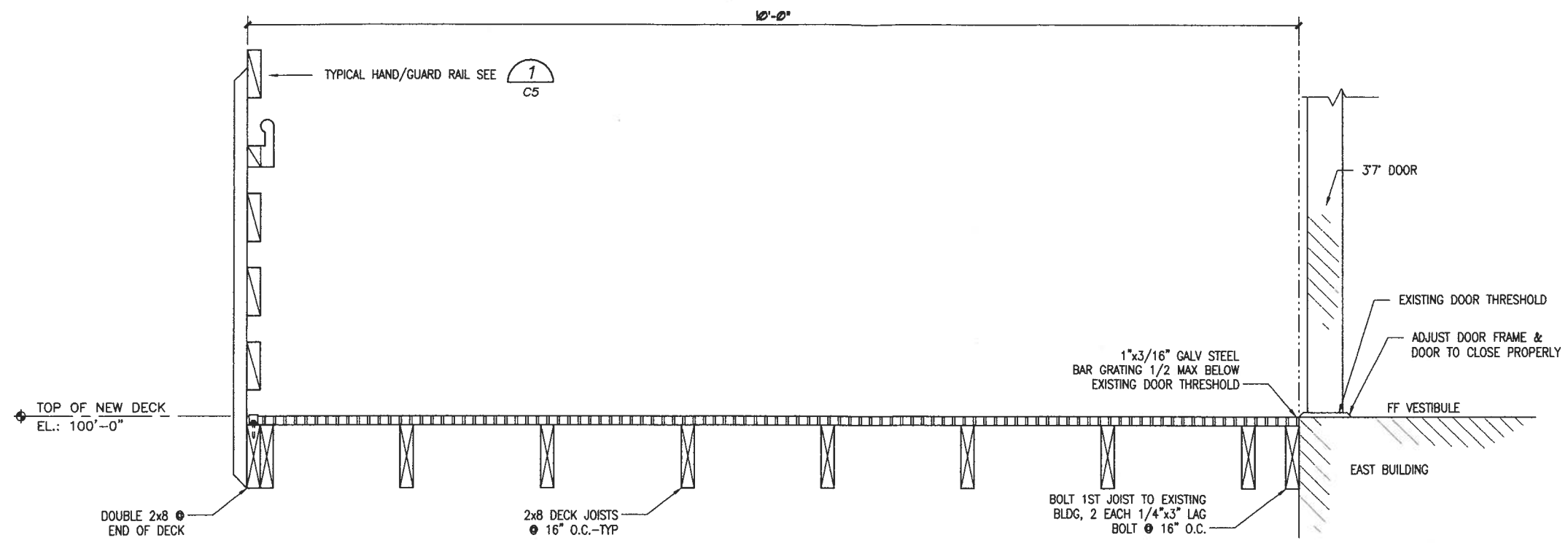


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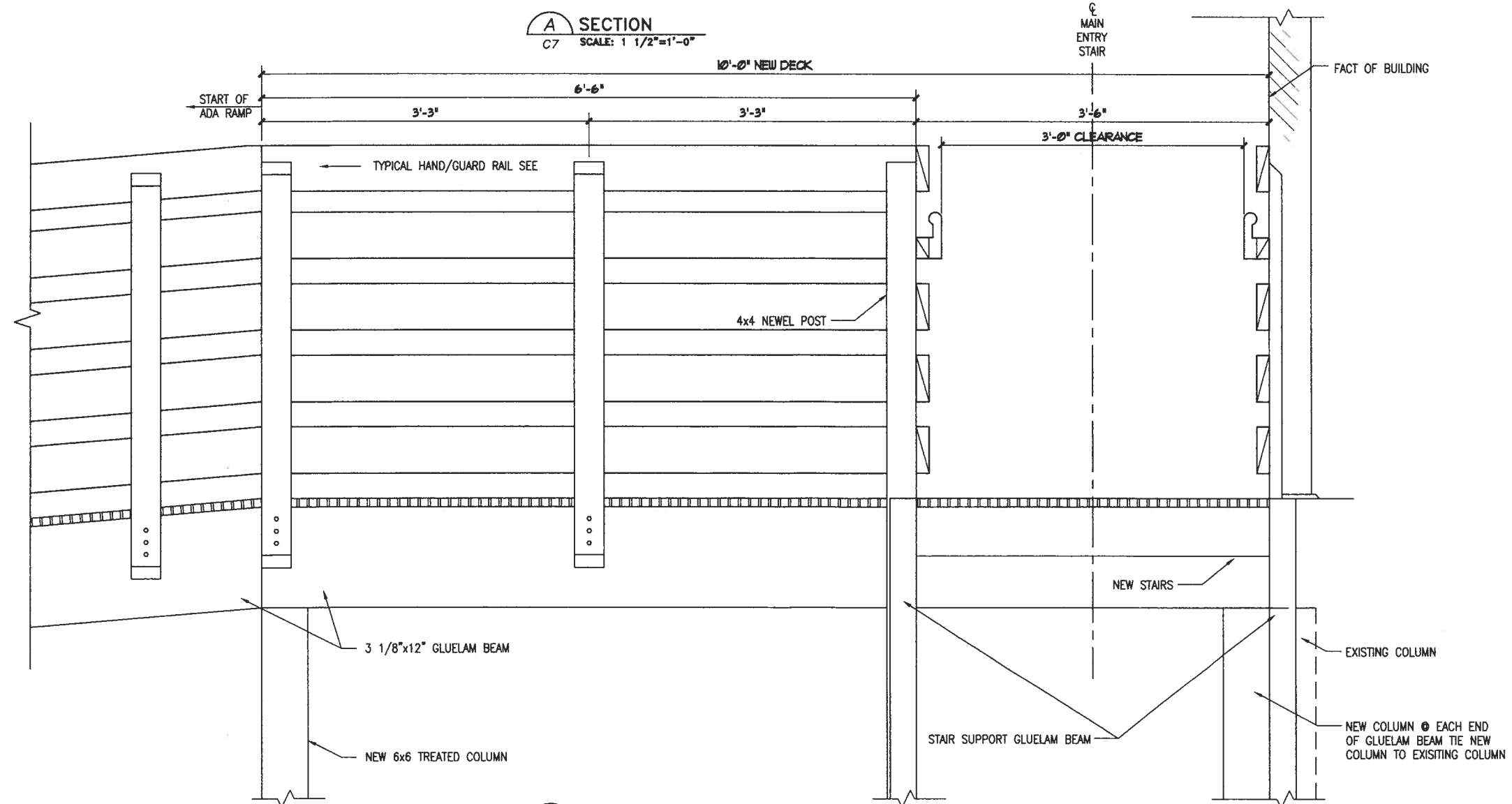
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STAIR AND RAMP DETAILS
BEAVER, ALASKA

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SHEET 7 OF 15



A SECTION
C7 SCALE: 1 1/2"=1'-0"



B SECTION
C7 SCALE: 1 1/2"=1'-0"



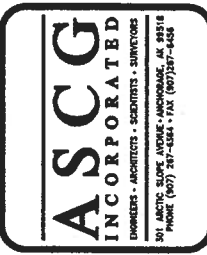
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BEAVER WASHETERIA CENTER
STAIR AND RAMP DETAILS
BEAVER, ALASKA

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JOB NO.: 3158
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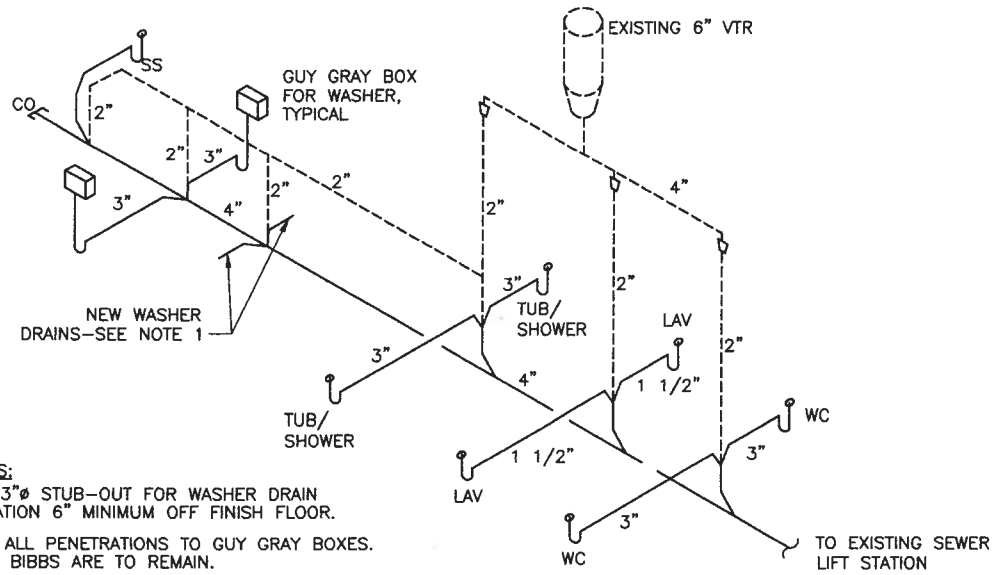


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WASHETERIA REMODEL
 PIPING SCHEMATICS
 BEAVER, ALASKA

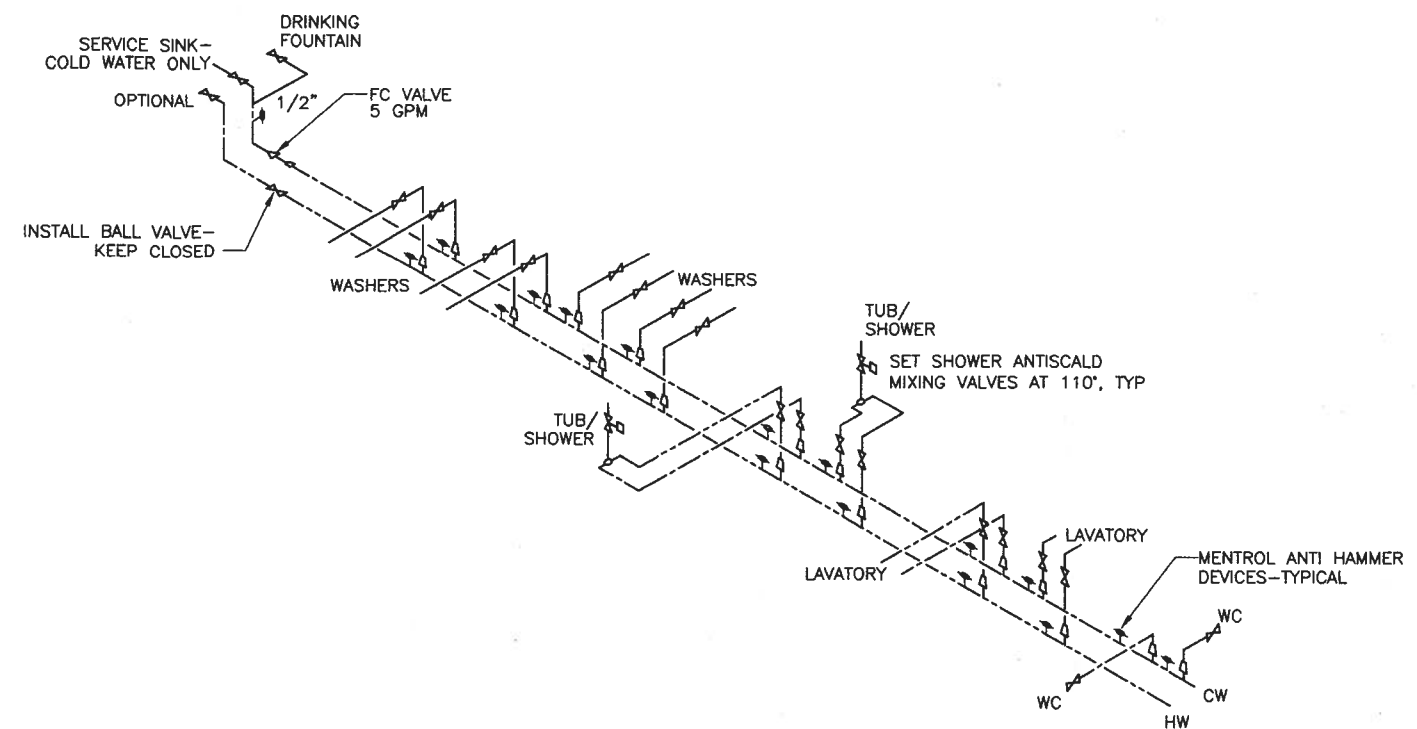
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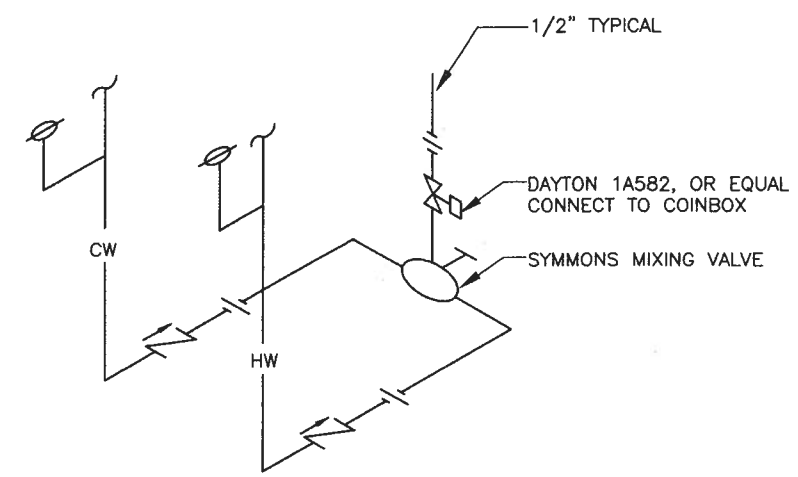


- NOTES:**
1. NEW 3" Ø STUB-OUT FOR WASHER DRAIN ELEVATION 6" MINIMUM OFF FINISH FLOOR.
 2. SEAL ALL PENETRATIONS TO GUY GRAY BOXES. HOSE BIBBS ARE TO REMAIN.
 3. REMOVE AND REPLACE EXISTING WATER CLOSET SEWER LINES.

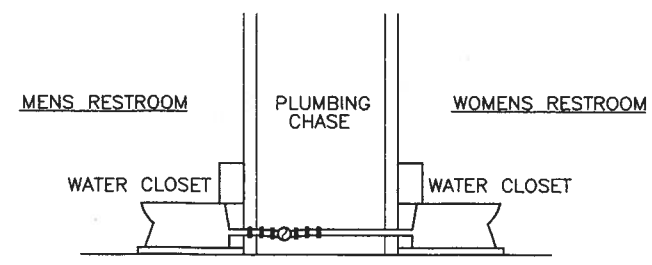
1 NEW SEWER PIPING SCHEMATIC
 M1 NOT TO SCALE



2 NEW WATER PIPING SCHEMATIC
 M1 NOT TO SCALE



3 SHOWER CONNECTION SCHEMATIC
 M1 NOT TO SCALE



4 WATER CLOSET CONNECTION
 M1 NOT TO SCALE

- LEGEND**
- SHUTOFF VALVE
 - ANTISCALD VALVE
 - REDUCERS
 - ANTI HAMMER DEVICES—MENTROL
 - BACKFLOW PREVENTOR
 - WASTE LINE
 - VENT LINE
 - COLD WATER
 - DOMESTIC HOT WATER

- GENERAL NOTES:**
1. FOR TUB/SHOWER UNITS AND PUBLIC RESTROOM ADJUST FIXTURES AND TAP EXISTING PIPING AS NEEDED FOR NEW FLOOR PLAN.
 2. FOR ADA TUB SHOWER UNIT REMOVE EXISTING PLUMBING CONNECTIONS AND REPLUMB TO FIT NEW FLOOR PLAN.
 3. CAP ABANDONED PIPING CONNECTIONS.

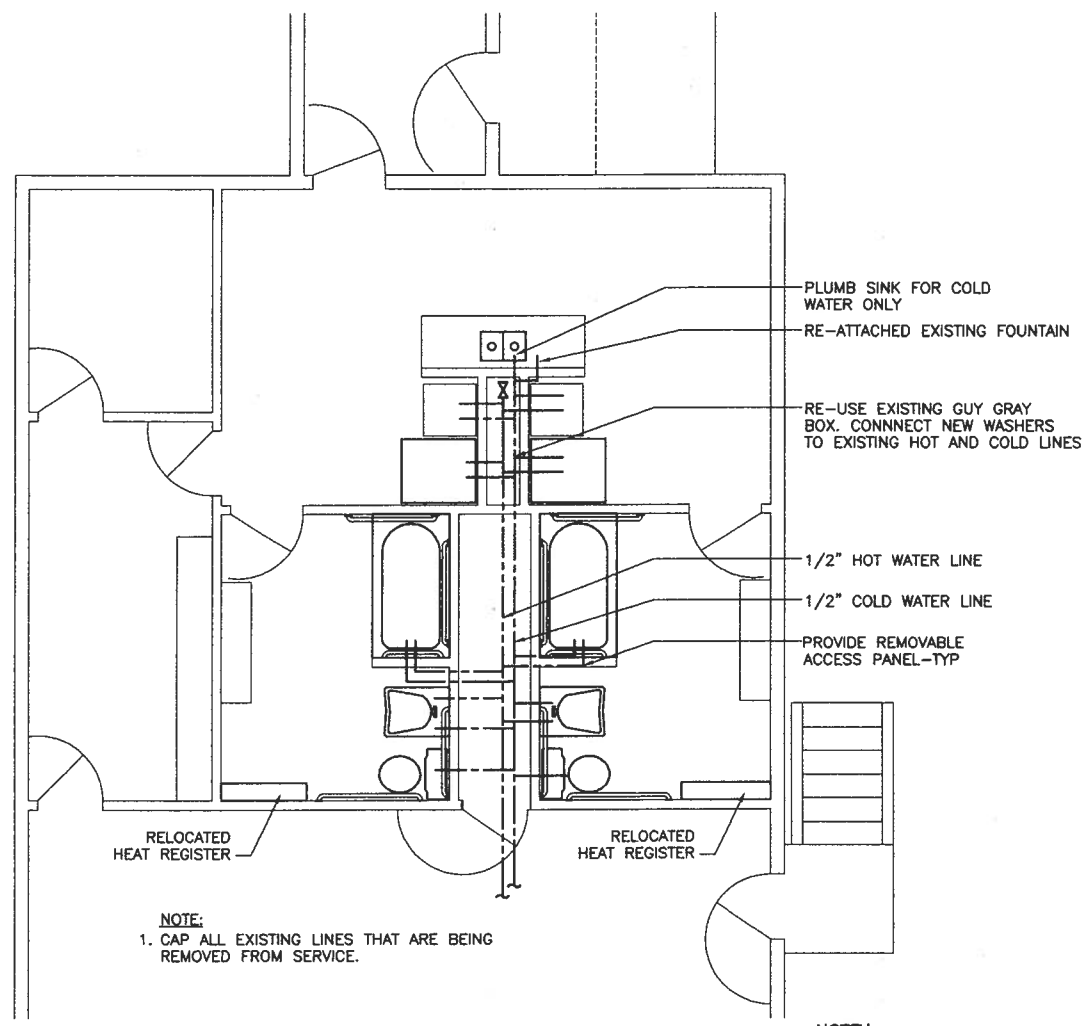


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WASHETERIA REMODEL
 PLUMBING PLAN
 BEAVER, ALASKA

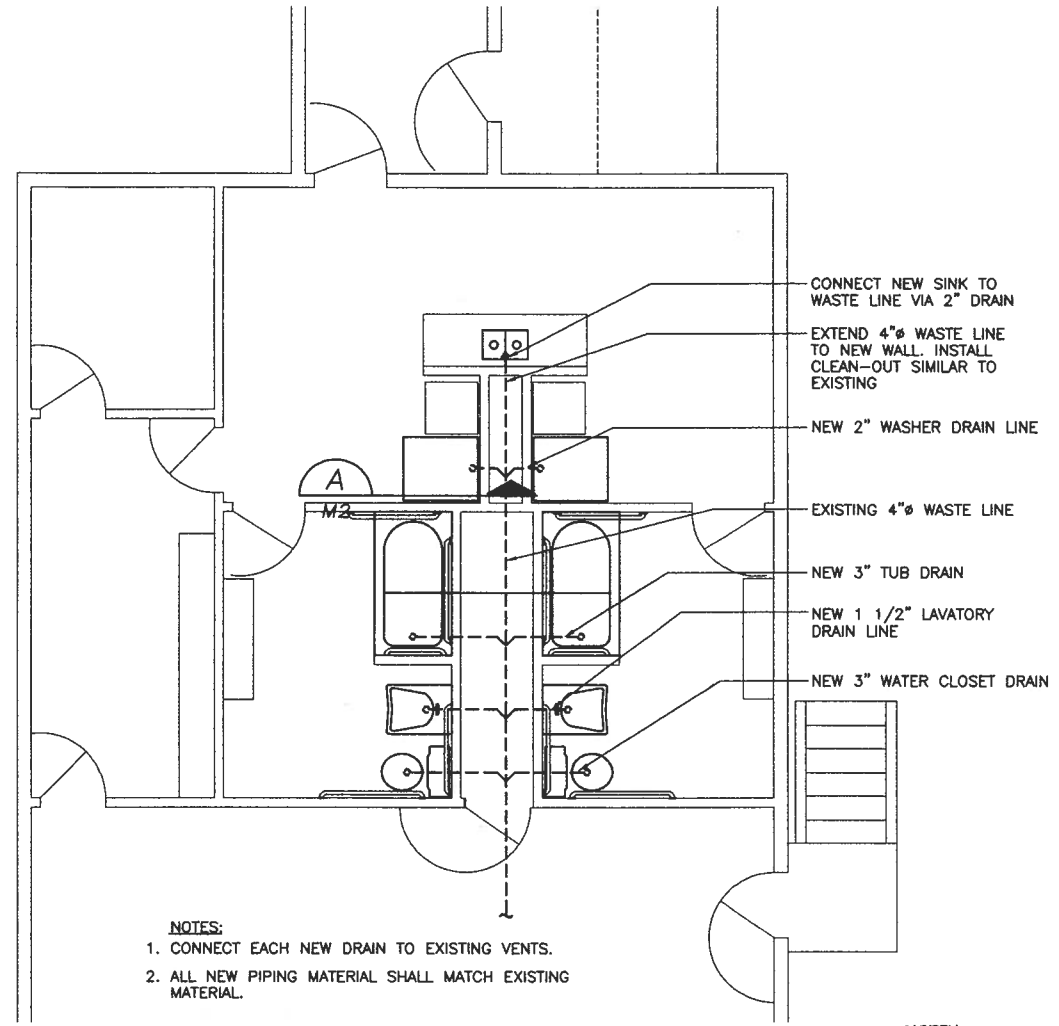
REVISIONS	
NUMBER	DATE

JOB NO: 3158
 DATE: 1/25/99
 DRAWN BY: KML
 CHECKED BY: SW
 DRAWING NO:
M2
 SHEET 10 OF 15



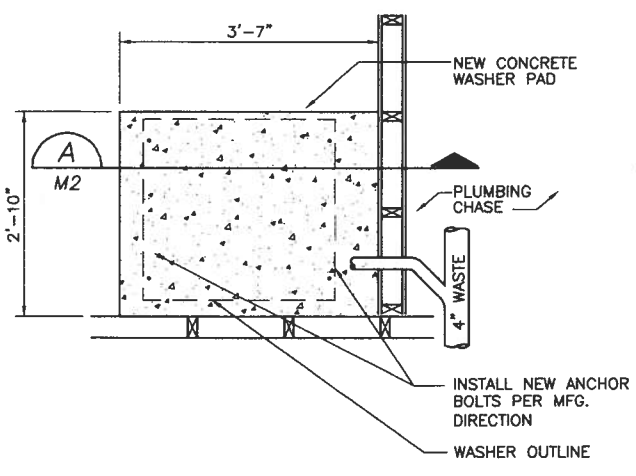
1 WATER PLAN
 M2 SCALE: 1/4"=1'-0"

NOTE:
 1. CAP ALL EXISTING LINES THAT ARE BEING REMOVED FROM SERVICE.

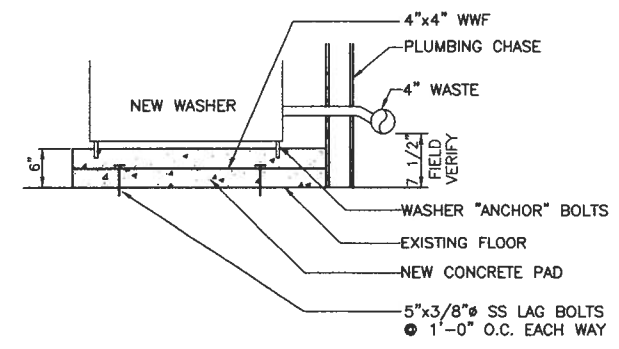


2 SEWER PLAN
 M2 SCALE: 1/4"=1'-0"

NOTES:
 1. CONNECT EACH NEW DRAIN TO EXISTING VENTS.
 2. ALL NEW PIPING MATERIAL SHALL MATCH EXISTING MATERIAL.



3 FRAMING PLAN
 M2 SCALE: 3/4"=1'-0"



A SECTION
 M2 SCALE: 3/4"=1'-0"

GENERAL NOTES:
 1. SEE C3 FOR EQUIPMENT LIST.
 2. SEE M1 FOR PIPING SCHEMATIC.

LEGEND
 --- COLD WATER LINE
 --- HOT WATER LINE
 --- SEWER LINE



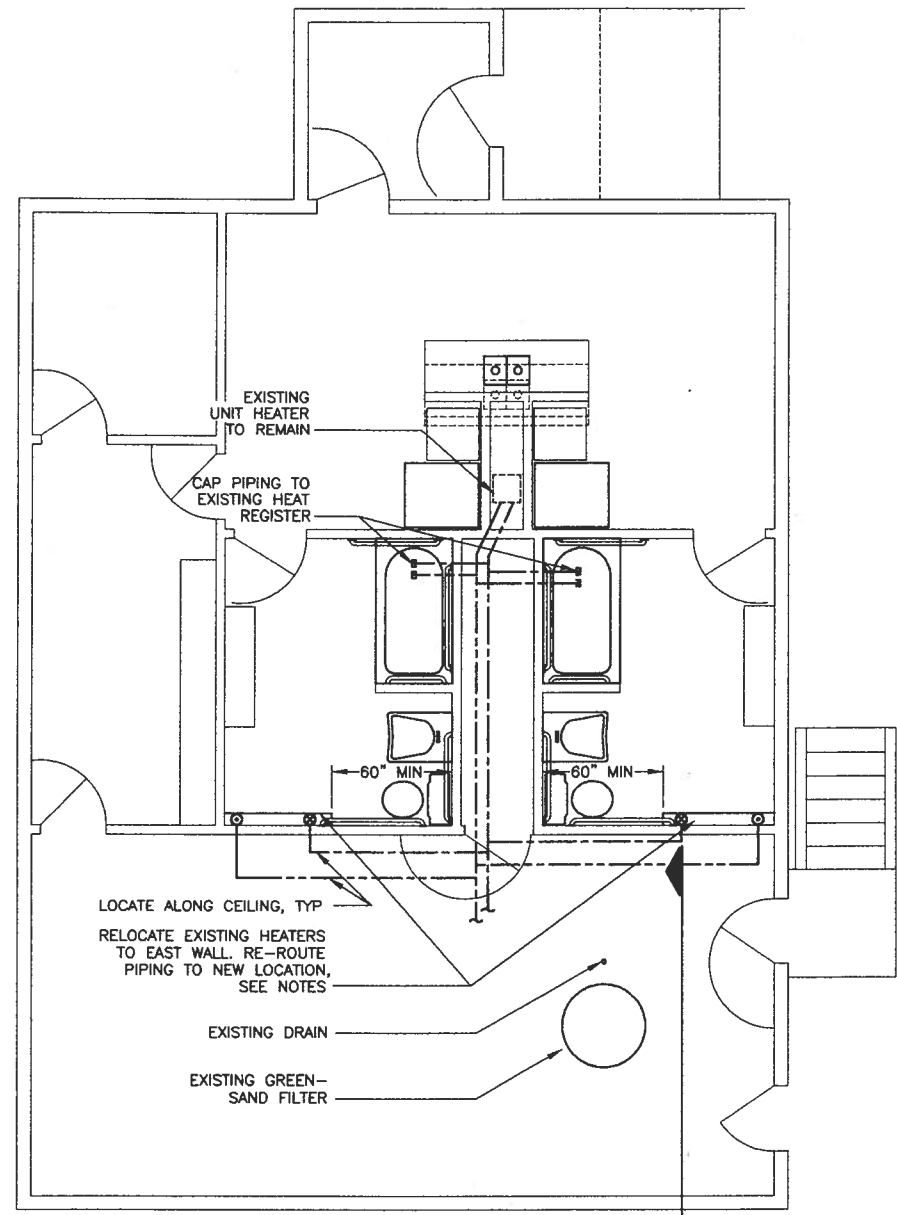
ASCG
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WASHETERIA REMODEL
 MECHANICAL DETAILS
 BEAVER, ALASKA

REVISIONS	
NUMBER	DATE

JOB NO:	3158
DATE:	1/25/99
DRAWN BY:	KML
CHECKED BY:	SW
DRAWING NO:	M3
SHEET	11 OF 15

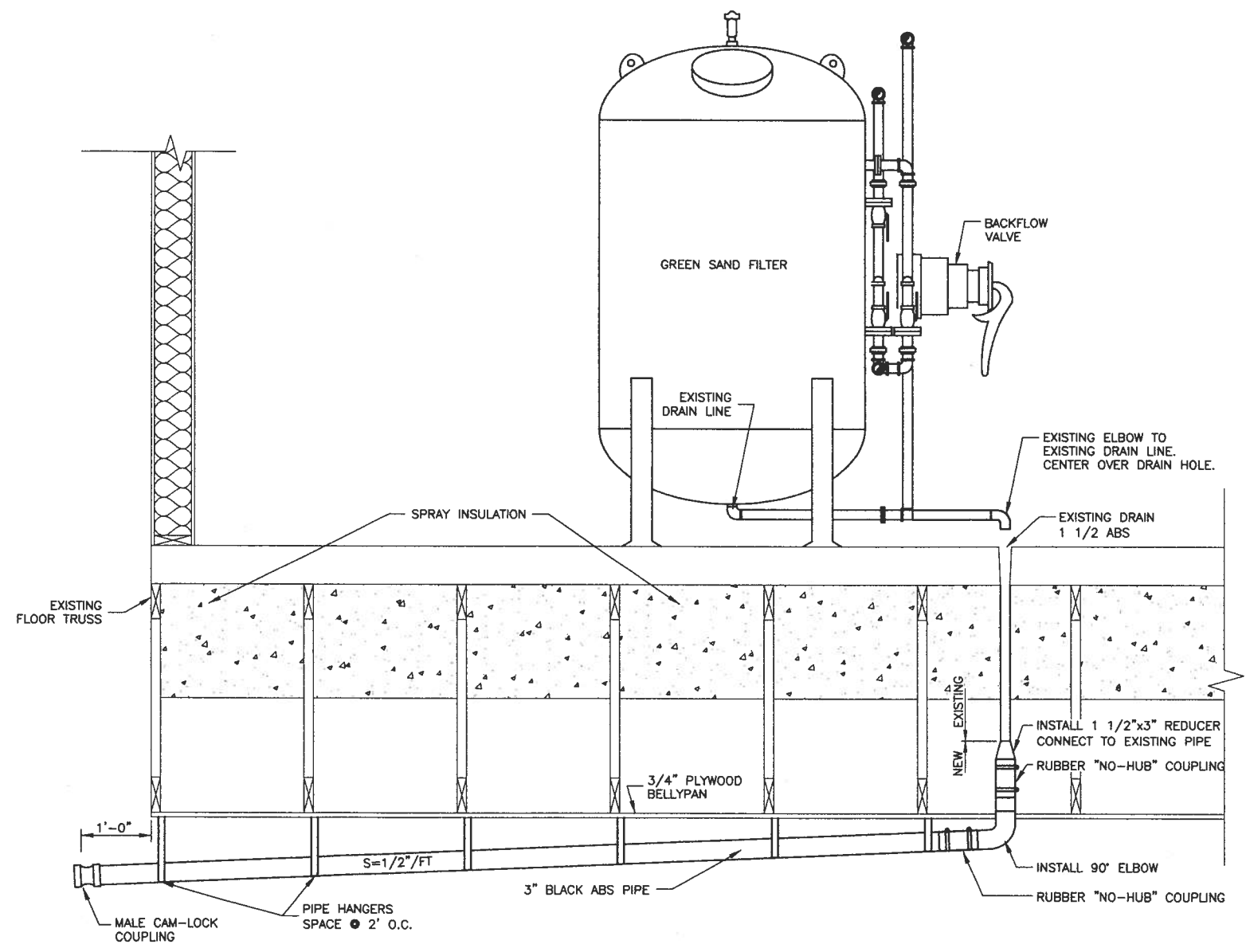


- NOTES:**
- EXISTING DOMESTIC HOT WATER SUPPLY LINES ARE LOCATED IN PLUMBING CHASE ALONG THE CEILING.
 - NEW SUPPLY LINES FEEDING RELOCATED REGISTERS SHALL CONNECT TO THE EXISTING SUPPLY LINES IN ATTIC.
 - MODIFY EXISTING SUPPLY LINES IN CHASE AS REQUIRED FOR RELOCATING REGISTERS.
 - INSULATE NEW HOT WATER HEAT LINES.

1 HEAT PLAN
 M3 SCALE: 1/4"=1'-0"

LEGEND

- ⊙ SUPPLY - DOWN
- ⊗ RETURN - UP
- HOT WATER HEAT RETURN
- HOT WATER HEAT SUPPLY



- NOTE:**
- PROVIDE 20 LF OF 3" # CLOTH "FIRE HOSE" W/FEMALE CAMLOCK COUPLING COMPATIBLE W/FITTING ON NEW DRAIN.

A SECTION @ NEW DRAIN
 M3 SCALE: 1"=1'-0"

WASHETERIA RENOVATION, BEAVER, ALASKA
GENERAL STRUCTURAL NOTES

THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, SITE CONDITIONS AND THESE NOTES SHALL BE REPORTED TO ASCG'S ENGINEER AT ONCE BEFORE START OF CONSTRUCTION.

ALL CONSTRUCTION SHALL COMPLY WITH THE 1994 UNIFORM BUILDING CODE (UBC).

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL O.S.H.A. SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE.

STRUCTURAL DESIGN DATA

CONSTRUCTION LOADS: STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. PROTECT THE STRUCTURES BY BRACING OR OTHER MEANS DURING CONSTRUCTION.

LIVE LOADS:

MECHANICAL ROOMS 125 PSF

INSPECTIONS PER U.B.C. 108 SHALL BE PROVIDED BY THE OWNER.

FOUNDATION NOTES

ALLOWABLE SOIL BEARING PRESSURE, 3,000 PSF PER ORIGINAL 1976 DRAWINGS.

NEW FOOTINGS SHALL BE ON A COMPACTED SAND LEVELING COURSE OVER UNDISTURBED SOIL.

REMOVE ALL ORGANIC AND OTHERWISE UNSUITABLE SOIL. IF NEEDED, BACKFILL UNDER NEW FOOTINGS WITH APPROVED GRANULAR MATERIAL COMPACTED TO 95 PERCENT PER ASTM D 1557. STRUCTURAL BACKFILL ABOVE FOOTINGS SHALL BE GRANULAR MATERIAL COMPACTED TO 90% PER ASTM D 1557.

STRUCTURAL STEEL NOTES

STRUCTURAL STEEL: ASTM A572, ASTM A588 OR ASTM A 36; MINIMUM $F_y = 50,000$ PSI
HARDENED WASHERS: ASTM F 436
NUTS: ASTM A 563

INSTALL NEW BEAMS WITH NATURAL CAMBER UP.

NO FIELD CUTTING OF NEW W BEAMS IS ALLOWED WITHOUT PRIOR A&E APPROVAL.

ALL STEEL SHALL BE CLEANED BY METHODS COMPLYING WITH THE STEEL STRUCTURES PAINTING COUNCIL METHOD SSPC-SP2, HAND TOOL CLEANING. APPLY TWO COATS OF STRUCTURAL STEEL PRIMER PAINT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. AFTER FINAL INSTALLATION, WIRE BRUSH EXPOSED STEEL SURFACES AND CLEAN WITH SOLVENTS BEFORE APPLYING TWO COATS OF TOUCH-UP PAINT. TOUCH-UP PAINT SHALL BE THE SAME AS SHOP PAINT.

STRUCTURAL TIMBER NOTES

A. SAWN LUMBER AND TIMBER:

SPECIES: HEM-FIR
GRADE: NO. 2

B. PRESSURE TREATED TIMBER (AWN):

SPECIES: DOUG FIR
GRADE: NO. 2

C. PLYWOOD:

PLYWOOD TRUSS SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, SPAN RATED 32/16, MINIMUM 3/4 INCH THICK. SEE REQUIRED CONSTRUCTION SEQUENCE BELOW.

NO FIELD CUTTING FOR THE WORK OF OTHER TRADES WITHOUT PRIOR A&E APPROVAL.

USE WASHERS UNDER ALL NUTS AND BOLTS HEADS.

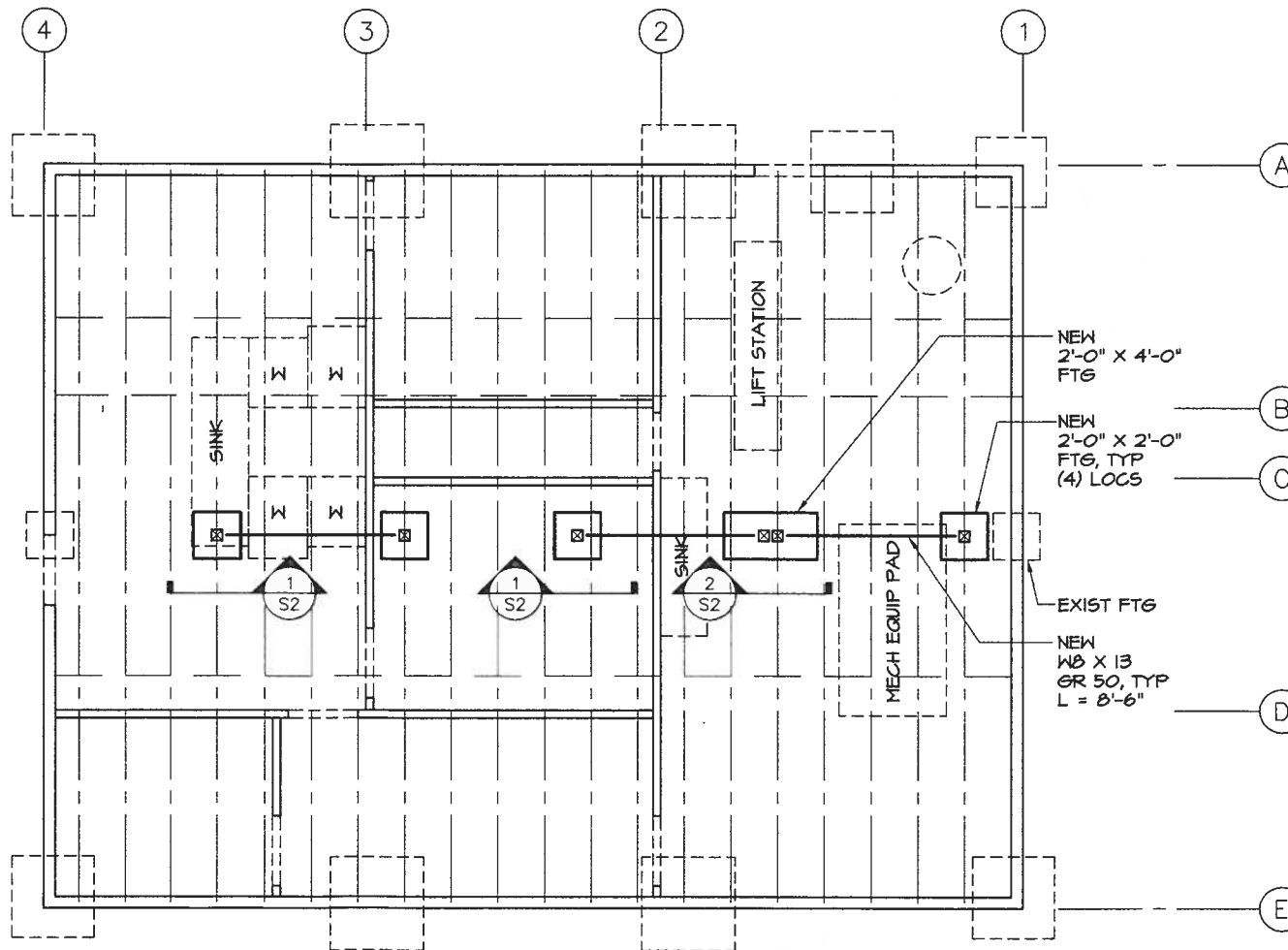
ALL PLYWOOD PANELS SHALL BE GLUE-NAILED TO EXISTING FLOOR TRUSSES USING ADHESIVES CONFORMING TO APA SPECIFICATION AFG-01, APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ALL NAILS SHALL BE COMMON WIRE NAILS. NAILING SHALL CONFORM TO TABLE 23-I-Q OF THE UNIFORM BUILDING CODE. NAILS OR STAPLES SHALL BE DRIVEN FLUSH. HEADS SHALL NOT BE DRIVEN BEYOND TIMBER SURFACE. ALL TIMBER FASTENERS SHALL BE TYPE 304 OR TYPE 316 STAINLESS STEEL FASTENERS UNLESS NOTED OTHERWISE.

ALL AWW LUMBER MUST BE PRESSURE TREATED PER THE AMERICAN WOOD PRESERVERS BUREAU'S AWFB-FDN STANDARD. APPLY TWO COATS OF WOOD PRESERVATIVE TREATMENT BY BRUSH TO ALL CUT EDGES OR BOLT HOLES THAT EXPOSE UNTREATED WOOD.

REQUIRED CONSTRUCTION SEQUENCE:

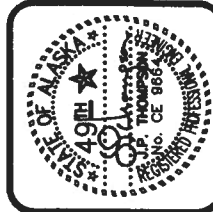
1. REMOVE NON-STRUCTURAL PLYWOOD UNDER THE LIFT STATION. REMOVE INSULATION AROUND THE LIFT STATION. THE INTENT IS TO REMOVE NON-STRUCTURAL ELEMENTS IN THIS AREA, SO THE TRUSSES ON EACH SIDE OF THE LIFT STATION ARE READY FOR ENGINEER'S INSPECTION. TWO EXISTING TRUSSES WILL NEED TO BE INSPECTED.
2. NOTE - IT APPEARS PLYWOOD WAS INSTALLED ON ONE SIDE OF THE FLOOR TRUSSES AT THE LIFT STATION. THIS PLYWOOD MAY NEED TO BE REMOVED TO ALLOW FOR THE ENGINEER'S INSPECTION. BE PREPARED TO SHORE THESE TWO TRUSSES AND REMOVE THIS EXISTING PLYWOOD. THEN, AFTER INSPECTION, BE READY TO INSTALL NEW 3/4 INCH PLYWOOD ON ONE SIDE OF THESE TWO TRUSSES. DISCUSS WITH REID MIDDLETON BEFORE REMOVING THIS PLYWOOD.
3. THE RESULTS OF REID MIDDLETON'S ENGINEER'S INSPECTION MAY REQUIRE ADDITIONAL STRUCTURAL REPAIRS.
4. INSTALL NEW POST-AND-BEAM UNDER EXISTING MECHANICAL ROOM. SEE PLAN AND DETAILS (SHEETS S1 & S2).
5. INSTALL A NEW POST-AND-BEAM UNDER THE NEW WASHING MACHINES. COORDINATE LOCATION WITH A&E. INSTALL NEW W8 WHERE EXISTING TRUSS DIAGONALS MEET TRUSS BOTTOM CHORD. SEE DETAIL 3/52. MAXIMUM LENGTH OF NEW W8 BEAM SHALL BE 8'-6".



PARTIAL PLAN

SCALE 1/4" = 1'-0"

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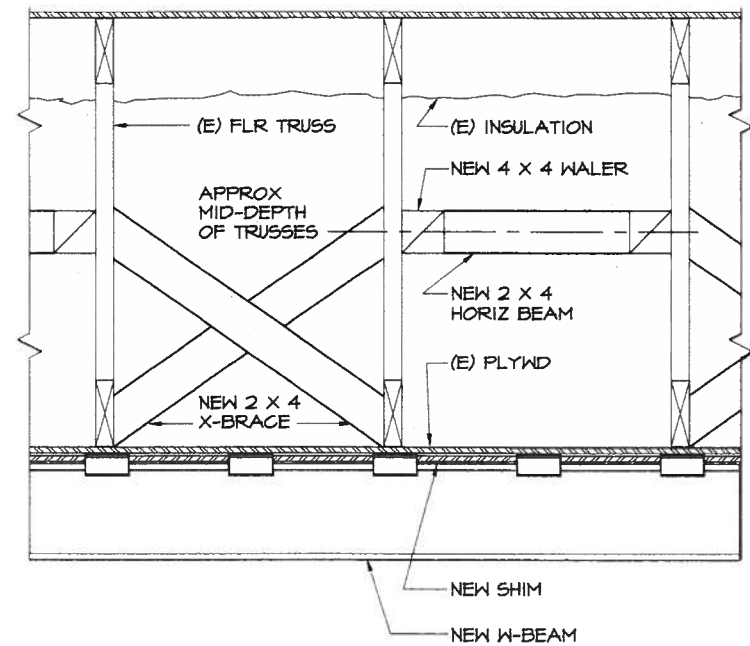
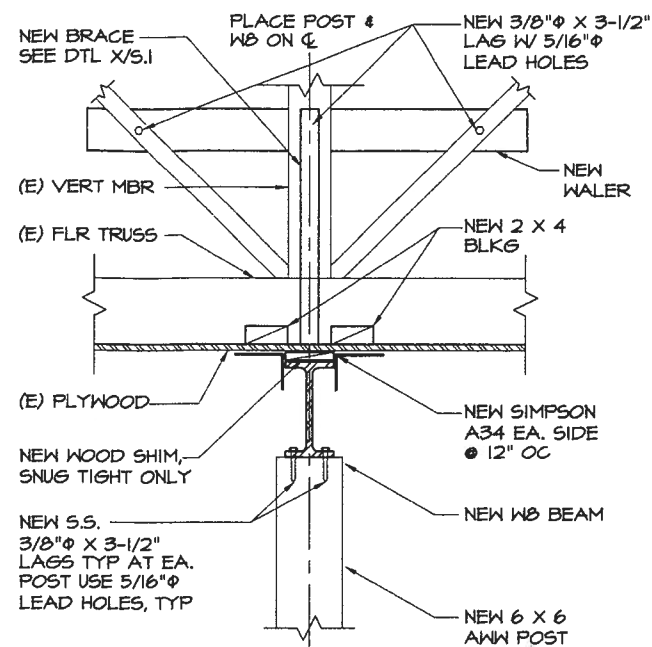
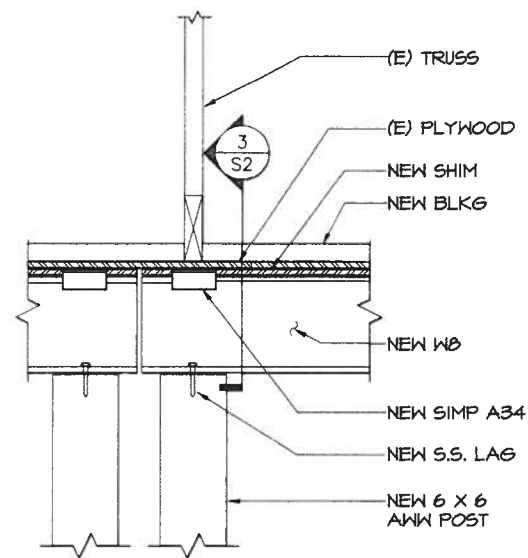
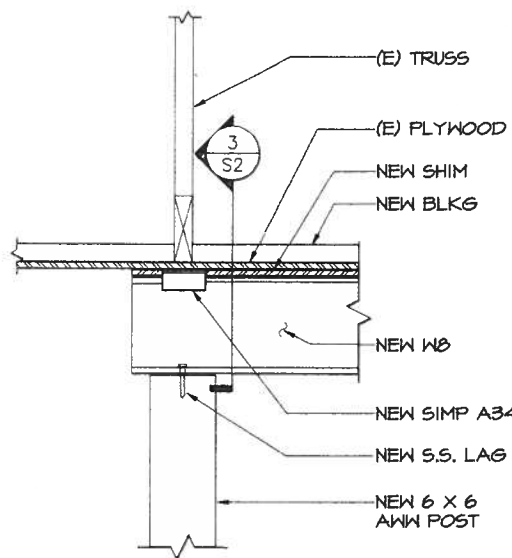
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P.O. BOX 24029
BEAVER, ALASKA 99724

BEAVER WASHETERIA
STRUCTURAL RENOVATION
BEAVER, ALASKA

REVISIONS	
NUMBER	DATE
1	03/23/99

JOB NO: 98-048
DATE: 01/08/99
DRAWN BY: HFC
CHECKED BY: JPT
DRAWING NO: S1
SHEET 12 OF 15

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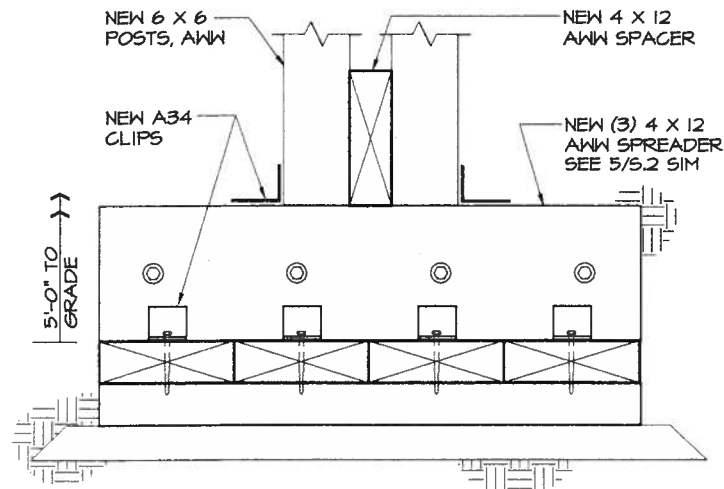
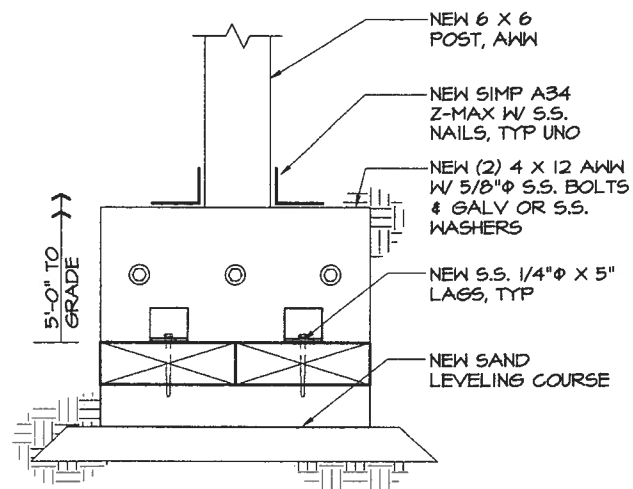
NOTES:
 1. USE HORIZ BRACES AND X-BRACES IN ALTERNATE SPACES
 2. EXTEND NEW 4 X 4 WALER TO BRACE DIAGONALS, SEE 3/5.2

1 SINGLE POST TOP DETAIL
 S2 SCALE 1-1/2" = 1'-0"

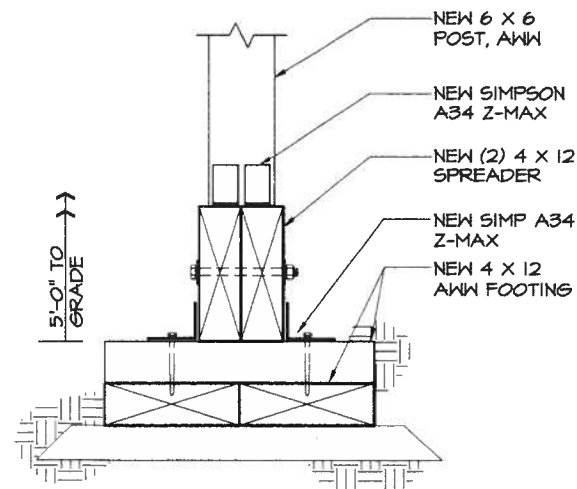
2 DOUBLE POST TOP DETAIL
 S2 SCALE 1-1/2" = 1'-0"

3 BEAM @ TRUSS DIAGONALS
 S2 SCALE 1-1/2" = 1'-0"

4 NEW BRACE DETAIL
 S2 SCALE 1-1/2" = 1'-0"



NOTE: FOR DETAILS SEE 5 & 7/5.2



NOTE: FOR DETAILS SEE 5/5.2

5 TYPICAL FOOTING DETAIL
 S2 SCALE 1-1/2" = 1'-0"

6 DBL POST FOOTING DETAIL
 S2 SCALE 1-1/2" = 1'-0"

7 TYP FOOTING DETAIL
 S2 SCALE 1-1/2" = 1'-0"



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 P.O. BOX 24029
 BEAVER, ALASKA 99724

BEAVER WASHETERIA
 STRUCTURAL RENOVATION
 BEAVER, ALASKA

REVISIONS	
NUMBER	DATE

JOB NO: 98-048
 DATE: 01/08/99
 DRAWN BY: HFC
 CHECKED BY: RCI
 DRAWING NO:
S2
 SHEET OF

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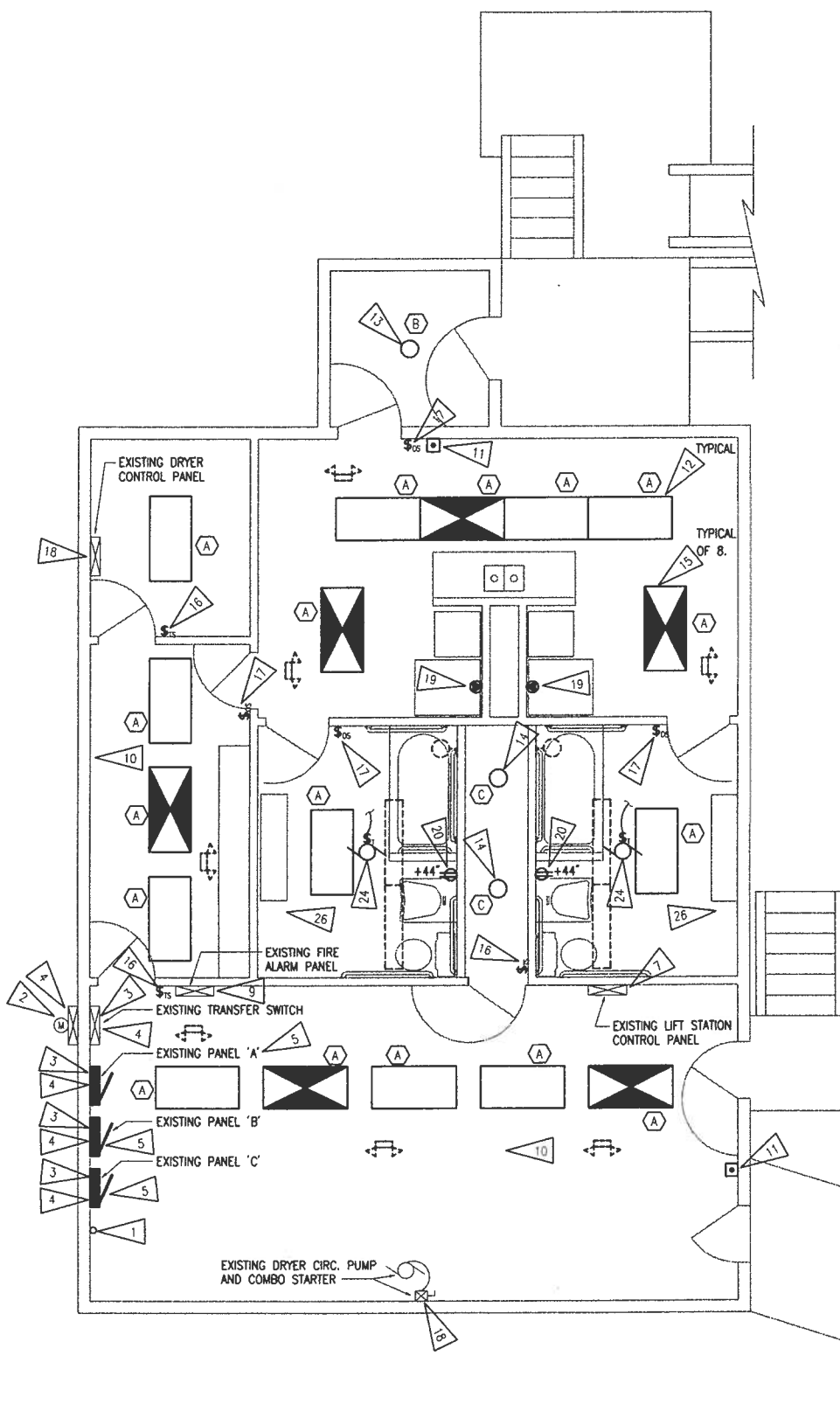
WASHETERIA REMODEL
 ELECTRICAL PLANS
 BEAVER, ALASKA

REVISIONS	
NUMBER:	DATE:

JOB NO: 98259.10
 DATE: 3/26/99
 DRAWN BY: MSW
 CHECKED BY: TEH
 DRAWING NO: E1
 SHEET 14 OF 15

NOTES:

- REMOVE EXISTING UNTERMINATED FLEX CONDUIT AND CONDUCTORS TO WIREWAY ABOVE AND TERMINATE.
- EXISTING SERVICE ENTRANCE CONDUIT HAS RUNNING THREADS. REMOVE EXISTING CONDUIT AND REPLACE NEW CONDUIT AND COUPLINGS WITH NEC COMPLIANT THREADS.
- PROVIDE SEPARATE GROUNDING BARS IN ALL EXISTING PANELBOARDS AND SEPARATE GROUNDING LUGS IN TRANSFER SWITCH. SEPARATE NEUTRAL CONDUCTORS AND EQUIPMENT GROUNDING CONDUCTORS AT ALL PANELBOARDS AND AT TRANSFER SWITCH AS THEY ARE TIED TOGETHER IN VIOLATION OF THE NEC.
- PROVIDE BONDING AROUND ALL KNOCKOUTS FOR SERVICE AND FEEDER CONDUITS AND FOR CONDUITS SERVING BRANCH CIRCUITS OVER 20 AMPS.
- UPDATE PANEL SCHEDULES FOR PANELS 'A', 'B' AND 'C' AND PROVIDE NEW TYPED PANEL DIRECTORIES.
- RELOCATE EXISTING HEATER APPROXIMATELY 14" TO THE LEFT SO THAT IT IS NO LONGER IN THE NEC REQUIRED CLEAR SPACE FOR PANEL 'D'. EXTEND EXISTING CIRCUIT TO NEW LOCATION AND RECONNECT.
- RELOCATE EXISTING LIFT STATION CONTROL PANEL APPROXIMATELY 18" TO THE RIGHT SO THAT THE LIFT STATION IS NO LONGER IN THE NEC REQUIRED CLEAR SPACE FOR THE LIFT STATION CONTROL PANEL. EXISTING EXISTING PANEL FEEDER AND CIRCUITS TO NEW LOCATION AND RECONNECT.
- RELOCATE TRANSFER SWITCHES MOUNTED ABOVE WELL PUMP AND PRESSURE PUMP CONTROL PANELS SO THAT OPERATING HANDLES FOR THESE DEVICES ARE AT A MAXIMUM HEIGHT OF 6'-7" AFF. EXTEND FEEDERS FOR THESE SWITCHES TO NEW LOCATIONS AND RECONNECT.
- PROVIDE AND INSTALL NEW BATTERIES, SIZED FOR LOAD OF THE FIRE ALARM SYSTEM, IN THE EXISTING FIRE ALARM CONTROL PANEL.
- REPLACE ALL MISSING COVERS ON WIREWAYS AND JUNCTION BOXES IN THIS AREA/BUILDING.
- PROVIDE AND INSTALL NEW SURFACE MOUNTED DOUBLE ACTION PULL STATION, EST #278B OR APPROVED EQUAL, WITH SURFACE MOUNTED BACKBOX AND OTHER ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION. CONNECT PULL STATION TO LOCAL SMOKE DETECTOR ZONE, RUN NEW INITIATING CIRCUIT CONDUCTORS IN NEW 1/2" SURFACE MOUNTED CONDUIT. SIZE SIGNALING CIRCUIT CONDUCTORS TO MATCH EXISTING SIGNAL CIRCUIT CONDUCTORS.
- REPLACE EXISTING 4' 4 LAMP SURFACE FLUORESCENT FIXTURE WITH NEW TYPE 'A' FIXTURE IN SAME LOCATION. TYPICAL OF ALL TYPE 'A' FIXTURES SHOWN ON THE PLANS.
- REPLACE EXISTING INCANDESCENT FIXTURE IN ARCTIC ENTRY WITH NEW TYPE 'B' FIXTURE IN SAME LOCATION.
- REPLACE EXISTING INCANDESCENT FIXTURE IN PIPE CHASE WITH NEW TYPE 'C' FIXTURE IN SAME LOCATION.
- PROVIDE 2-LAMP EMERGENCY FLUORESCENT BATTERY PACK BALLAST FOR THIS FIXTURE WHICH WILL PROVIDE A MINIMUM OF 1100 LUMENS FOR 90 MINUTES, BODINE #B50 OR APPROVED EQUAL. PULL ADDITIONAL UNSWITCHED #12 CU CONDUCTOR IN EXISTING LIGHTING CIRCUIT CONDUIT AS REQUIRED FOR CONNECTING NEW EMERGENCY BALLAST. TYPICAL OF ALL EMERGENCY FLUORESCENT FIXTURES.
- REPLACE EXISTING WALL SWITCH(ES) WHICH CONTROL THE FIXTURES IN THIS AREA WITH NEW 0-60 MINUTE TIMER WALL SWITCH, INTERMATIC #F060M OR APPROVED EQUAL FOR SINGLE POLE SWITCH LOCATIONS, INTERMATIC #FD32H OR APPROVED EQUAL FOR THREE WAY SWITCH LOCATIONS. TYPICAL OF ALL TIMER SWITCHES SHOWN.
- REPLACE EXISTING WALL SWITCH(ES) WHICH CONTROL FIXTURES IN THIS AREA WITH NEW PASSIVE INFRA-RED OCCUPANCY SENSOR WALL SWITCH, MYTECH #LP-2-120-1 OR APPROVED EQUAL WITH NEW COVERPLATE AS REQUIRED. TYPICAL OF ALL OCCUPANCY SENSOR SWITCHES SHOWN.
- PROVIDE DISCRETE CONTROL EQUIPMENT AND INTERCONNECTION BETWEEN DYER CONTROL PANEL AND DYER CIRCULATION PUMP COMBO STARTER SO THAT PUMP ONLY OPERATES WHILE DYERS ARE ON.
- REPLACE EXISTING WASHER RECEPTACLE WITH NEW 240V, SINGLE PHASE 3 POLE RECEPTACLE FOR NEW 25LB, 208V, SINGLE PHASE WASHER. CONNECT TO EXISTING CIRCUIT AND REUSE EXISTING CIRCUIT CONDUIT AND CONDUCTORS. PROVIDE NEW 25A, 2 POLE BREAKER IN SPACE IN EXISTING PANEL 'B' AND CONNECT CIRCUIT TO NEW BREAKER. NEW BREAKER SHALL BE LISTED FOR USE IN EXISTING PANEL 'B' AND MATCH THE AIC RATING OF THE LOWEST RATED EXISTING BREAKER IN THE PANEL. COORDINATE WITH WASHER SUPPLIER FOR EXACT NEMA CONFIGURATION OF NEW WASHER RECEPTACLE.
- RELOCATE EXISTING GFCI PROTECTED BATHROOM RECEPTACLE TO THIS LOCATION AND EXTEND CIRCUIT TO THIS LOCATION AND RECONNECT.
- THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM ASBUILT DRAWINGS AND A CASUAL WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
- THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
- DASHED OR DOTTED LINES INDICATE EXISTING ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- PROVIDE AND INSTALL NEW EXHAUST FAN, PANASONIC #FV-20V0, 32.5W, 120V OR APPROVED EQUAL. CONNECT FAN FOR CONTROL WITH NEW OCCUPANCY SENSORS. CONNECT FAN TO EXISTING DUCTWORK AND PROVIDE NEW BACKDRAFT DAMPER AT FAN DISCHARGE. MODIFY EXISTING DUCTWORK IN ATTIC SPACE AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW EXHAUST FAN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND/OR REPAIRING EXISTING VAPOR BARRIER AND INSULATION DAMAGED DURING CONSTRUCTION.
- CONNECT NEW TOKEN BOXES TO EXISTING POWER CIRCUIT FOR DEMOLISHED TOKEN BOXES. PROVIDE WIRING AND CONNECTIONS FOR NEW TOKEN BOXES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.



FIXTURE SCHEDULE							
TYPE	LOCATION	MANUFACTURER AND CATALOG NUMBER (OR APPROVED EQUAL)	DESCRIPTION	MOUNTING		LAMPS	
				TYPE	HEIGHT	NO.	WATTS
A	AS SHOWN	LITHONIA #LB-2-32-120-GE8	LOW PROFILE SURFACE WRAPAROUND FIXTURE WITH PRISMATIC ACRYLIC DIFFUSER AND 120V ELECTRONIC BALLAST	SURFACE	CLG	4	32W TB
B	ARCTIC ENTRY	RUDD #CE1503-1-H	9" ROUND HIGH PRESSURE SODIUM SURFACE FIXTURE WITH BRONZE FINISHED ALUMINUM HOUSING, WHITE POLYCARBONATE DIFFUSER, AND 120V HPF BALLAST.	SURFACE	CLG	1	35W HPS
C	PIPE CHASE	BROWNLEE #2050-11-260-ELB	11" ROUND COMPACT FLUORESCENT SURFACE FIXTURE WITH ACRYLIC DIFFUSER, AND ELECTRONIC BALLAST	SURFACE	CLG	1	26W QUAD

LEGEND	
	LIGHT FIXTURE - SURFACE MTD ON CLG
	LIGHT FIXTURE - SURFACE MTD ON WALL
	EMERGENCY LIGHT
	EMERGENCY FIXTURE - FLUORESCENT
	FLUORESCENT FIXTURE - SURFACE MTD
	FLUORESCENT FIXTURE STRIP - SURFACE MTD CLG
	FIXTURE TAG (LETTER INDICATES TYPE)
	MOTOR (SIZED AS NOTED)
	DISCONNECT SWITCH (FUSED)
	COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER
	SINGLE POLE SWITCH
	THREE WAY SWITCH, FOUR WAY SWITCH
	OCCUPANCY SENSOR LIGHTING SWITCH
	TIMER LIGHTING SWITCH
	PANEL
	DUPLEX RECEPTACLE
	SPECIAL PURPOSE OUTLET
	JUNCTION BOX
	FIRE ALARM PULL STATION
	CONDUIT
	CONDUIT ONLY
	WEATHERPROOF
	GROUND FAULT CIRCUIT INTERRUPTER
	ENOTES EXISTING ITEM
	ENOTES EXISTING ITEM THAT HAS BEEN RELOCATED
	DUPLEX RECEPTACLE TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL)
	NOTE TAG (NO. INDICATES NOTE)

1 ELECTRICAL SYSTEMS UPGRADE PLAN
 1/4" = 1'-0"



ELECTRICAL SPECIFICATIONS

SCOPE OF WORK - FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT FOR AN EXTENSION TO THE EXISTING ELECTRICAL SYSTEM AS INDICATED ON THE DRAWINGS AND IN THESE SPECIFICATIONS.

STANDARDS, CODES AND REGULATIONS - COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, UNIFORM BUILDING CODE, AND UNIFORM FIRE CODE INCLUDING ALL STATE AND LOCAL AMENDMENTS TO THESE CODES.

DRAWINGS - THE DRAWINGS ARE DIAGRAMMATIC, NOT NECESSARILY SHOWING ALL OFFSETS OR EXACT LOCATIONS OF FIXTURES, EQUIPMENT, ETC. UNLESS SPECIFICALLY DIMENSIONED. REVIEW THE DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT FURNISHED BY OTHER CRAFTS BUT INSTALLED IN ACCORDANCE WITH THIS SECTION. BRING QUESTIONABLE OR OBSCURE ITEMS, APPARENT CONFLICTS BETWEEN PLANS AND SPECIFICATIONS, GOVERNING CODES OR UTILITIES REGULATIONS TO THE ATTENTION OF THE ARCHITECT. CODES, ORDINANCES, REGULATIONS, MANUFACTURER'S INSTRUCTIONS OR STANDARDS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH THE DRAWINGS AND SPECIFICATIONS.

RECORD DRAWINGS - MARK UP A CLEAN SET OF DRAWINGS AS THE WORK PROGRESSES TO SHOW THE DIMENSIONED LOCATION AND ROUTING OF ALL ELECTRICAL WORK WHICH WILL BECOME PERMANENTLY CONCEALED. SHOW ROUTING OF WORK IN PERMANENTLY CONCEALED BLIND SPACES WITHIN THE BUILDING. SHOW COMPLETE ROUTING AND SIZING OF ANY SIGNIFICANT REVISIONS TO THE SYSTEMS SHOWN.

WORKMANSHIP - INSTALLATION OF ALL WORK SHALL BE MADE SO THAT ITS SEVERAL COMPONENT PARTS SHALL FUNCTION AS A WORKABLE SYSTEM COMPLETE WITH ALL ACCESSORIES NECESSARY FOR ITS OPERATION. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS AND/OR INSTALLATION DRAWINGS AND IN ACCORDANCE WITH NECA STANDARDS. MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL CONFORM WITH APPLICABLE INDUSTRY STANDARDS, NEMA STANDARDS AND UNDERWRITERS LABORATORIES STANDARDS WHERE APPLICABLE.

SUBMITTALS - PROVIDE MATERIAL AND EQUIPMENT SUBMITTALS CONTAINING A COMPLETE LISTING OF MATERIAL AND EQUIPMENT SHOWN ON THE DRAWINGS. INCLUDE CATALOG NUMBERS, WIRING DIAGRAMS, ROUGH-IN DIMENSIONS AND PERFORMANCE DATA FOR ALL MATERIAL AND EQUIPMENT. SUBMITTALS SHALL BE BOUND IN HARD COVER, LOOSELEAF BINDERS SEPARATE FROM WORK FURNISHED UNDER OTHER DIVISIONS. INDEX AND CLEARLY IDENTIFY ALL MATERIAL AND EQUIPMENT BY ITEM, NAME OR DESIGNATION USED ON THE DRAWINGS. SUBMITTAL REVIEW IS FOR GENERAL DESIGN AND ARRANGEMENT ONLY AND DOES NOT RELIEVE THE CONTRACTOR FROM ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE SUBMITTALS ARE NOT CHECKED FOR QUANTITY, DIMENSION, OR FOR PROPER OPERATION. WHERE DEVIATIONS OF A SUBSTITUTE PRODUCT OR SYSTEM PERFORMANCE HAVE NOT BEEN SPECIFICALLY NOTED IN THE SUBMITTAL BY THE CONTRACTOR, PROVISIONS OF A COMPLETE AND SATISFACTORY WORKING INSTALLATION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

WARRANTY - THE CONTRACTOR SHALL GUARANTEE ALL WORK EXECUTED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM BENEFICIAL OCCUPANCY. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE GUARANTEE PERIOD.

PERMITS - SECURE AND PAY FOR ALL FEES, PERMITS, ETC. REQUIRED BY LOCAL AND STATE AGENCIES AND ALL LOCAL UTILITY COMPANIES.

REFERENCE SYMBOLS - THE ELECTRICAL "LEGEND" ON THE DRAWINGS IS A STANDARDIZED VERSION, AND ALL SYMBOLS SHOWN MAY NOT BE USED. USE THE "LEGEND" AS A REFERENCE FOR THE SYMBOLS USED ON THE DRAWINGS.

ELECTRICAL DEMOLITION - DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION AND EXISTING RECORD DRAWING. REPORT DISCREPANCIES TO ARCHITECT/ENGINEER BEFORE DISTURBING THE EXISTING INSTALLATION. DISCONNECT ELECTRICAL SYSTEMS IN WALLS, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN ALL EXISTING ELECTRICAL SYSTEMS (TELEPHONE, FIRE ALARM, LIGHTING, ELECTRICAL SERVICE, ETC.) IN SERVICE DURING CONSTRUCTION. DISABLE SYSTEMS ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER AT LEAST 24 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION AND MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS. REMOVE, RELOCATE AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. WHERE ABANDONED CONDUIT ENTERS EXISTING SURFACES TO REMAIN, CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED. DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEMS, HANGERS AND OTHER ACCESSORIES. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE.

IDENTIFICATION -
JUNCTION BOXES: MARK ALL FIRE ALARM SYSTEM JUNCTION BOXES WITH SHEET STEEL COVERS WITH "FA" MARK WITH INDELIBLE RED MARKER.

CONDUIT - ALL WIRING SHALL BE INSTALLED IN METALLIC RACEWAY. UTILIZE GALVANIZED RIGID STEEL OR INTERMEDIATE METAL CONDUIT FOR SERVICE ENTRANCE, FEEDERS, AND IN WET LOCATIONS. ELECTRICAL METALLIC TUBING MAY BE USED IN ALL DRY, INTERIOR LOCATIONS.

CONDUCTORS - ALL CONDUCTORS SHALL BE COPPER WITH TYPE XHHW, THWN, THW OR THHN INSULATION. MINIMUM BRANCH CIRCUIT CONDUCTOR SIZE SHALL BE 12 AWG. MINIMUM CONTROL CIRCUIT CONDUCTOR SIZE SHALL BE #18 AWG. WIRING IN LIGHTING FIXTURE CHANNELS SHALL BE COPPER WITH TYPE THHN OR OTHER INSULATION RATED 90 DEGREES C OR HIGHER, 600 VOLT. PULL ALL CONDUCTORS INTO THE RACEWAY AT THE SAME TIME. USE UL LISTED WIRE PULLING LUBRICANT FOR PULLING 4 AWG AND LARGER WIRES. MATCH EXISTING COLOR CODE SYSTEM IN THE FACILITY; IF NO COLOR CODING SYSTEM EXISTS, COLOR CODE CONDUCTORS AS FOLLOWS: 120/208 VOLT SYSTEMS: BLACK, RED, BLUE AND WHITE; USE PROPERLY SIZED INSULATED SPRING WIRE CONNECTORS WITH PLASTIC CAPS FOR ALL CONDUCTORS #8 AWG AND SMALLER. TERMINATE #6 AWG AND LARGER CONDUCTORS WITH CRIMP OR COMPRESSION TYPE CONNECTORS INSTALLED WITH TOOL RECOMMENDED BY CONNECTION MANUFACTURER AND INSULATE WITH PROPERLY SIZED 600 VOLT RATED HEAT SHRINK TUBING.

OUTLET BOXES - PROVIDE GALVANIZED OR CADMIUM PLATED, ONE PIECE PRESSED STEEL OUTLET BOXES 4 INCH SQUARE OR OCTAGONAL, 1 1/2 INCHES DEEP MINIMUM SIZE FOR USE IN INTERIOR AREAS. PROVIDE CAST ALUMINUM OR FERROUS ALLOY TYPE BOXES WITH GASKETED COVER, THREADED HUBS AND NEMA 3R RATING FOR USE IN EXTERIOR OR WET LOCATIONS. PROVIDE FIXTURE OUTLETS WITH 1/2 INCH MALE FIXTURE STUDS AS REQUIRED. PROVIDE OUTLET BOXES AS SHOWN ON THE DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS, DEVICE INSTALLATION AND CODE COMPLIANCE. USE MULTIPLE-GANG BOXES WHERE MORE THAN ONE DEVICE ARE MOUNTED TOGETHER; DO NOT USE SECTIONAL BOXES. SUPPORT BOXES INDEPENDENTLY OF CONDUIT. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS MOUNTED ABOVE COUNTERS, BENCHES AND BACKSPASHES.

DEVICE PLATES - PROVIDE UL LISTED ONE PIECE ROUNDED EDGE "STREAMLINE" DESIGN FLUSH DEVICE PLATES OF SATIN FINISH 430 STAINLESS STEEL WITH METAL COUNTER SUNK SCREWS TO MATCH DEVICE PLATE. PROVIDE GALVANIZED DEVICE PLATES WHERE EXPOSED WIRING IS PERMITTED.

LIGHTING EQUIPMENT - PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT OR APPROVED EQUAL AS SHOWN ON THE DRAWINGS AND DESCRIBED IN THE "FIXTURE SCHEDULE". PROVIDE LIGHTING EQUIPMENT COMPLETE, WIRED, ASSEMBLED, WITH PROPER FLANGES, MOUNTING SUPPORTS, HARDWARE, ETC. PROVIDE ELECTRONIC BALLAST WITH A MAXIMUM THD OF 20% AND A MINIMUM BALLAST FACTOR OF .88 FOR ALL FLUORESCENT FIXTURES AND HIGH POWER FACTOR, REGULATING OR CONSTANT WATTAGE TYPE BALLASTS FOR HID FIXTURES. UNLESS OTHERWISE NOTED ON THE DRAWINGS, FLUORESCENT LAMPS SHALL BE 3500 DEGREE K, TRI-PHOSPHOR TYPE WITH A MINIMUM CRI OF 82.

EQUIPMENT CONNECTIONS - PROVIDE WIRING AND CONNECTION OF EQUIPMENT REQUIRING ELECTRICAL POWER BUT SPECIFIED UNDER OTHER DIVISIONS OF THE SPECIFICATIONS. EQUIPMENT SHALL INCLUDE BUT IS NOT LIMITED TO LAUNDRY EQUIPMENT, ETC. REVIEW EQUIPMENT SUBMITTALS PRIOR TO INSTALLATION AND ELECTRICAL ROUGH-IN. VERIFY LOCATION, SIZE, TYPE OF CONNECTIONS, AND THAT EQUIPMENT IS READY FOR ELECTRICAL CONNECTION. MAKE WIRING CONNECTIONS IN CONTROL PANEL OR IN WIRING COMPARTMENT OF PREWIRED EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PROVIDE INTERCONNECTING WIRING AND DISCONNECTS WHERE REQUIRED.

PENETRATIONS OF FIRE BARRIERS - ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED BARRIERS SHALL BE SEALED IN ACCORDANCE WITH NEC ARTICLE 300-21 AND THE FOLLOWING:

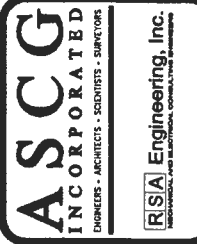
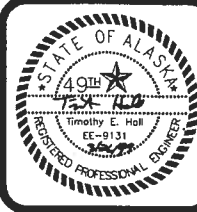
ALL HOLES OR VOIDS CREATED TO EXTEND ELECTRICAL SYSTEMS THROUGH FIRE RATED FLOORS, WALLS OR CEILING SHALL BE SEALED WITH AN ASBESTOS-FREE INTUMESCENT FIRE STOPPING MATERIAL CAPABLE OF EXPANDING 8 TO 10 TIMES WHEN EXPOSED TO TEMPERATURES 250 DEGREES F OR HIGHER.

MATERIALS SHALL BE SUITABLE FOR THE FIRE STOPPING OF PENETRATIONS MADE BY STEEL, GLASS, PLASTIC AND SHALL BE CAPABLE OF MAINTAINING AN EFFECTIVE BARRIER AGAINST FLAME, SMOKE AND GASES IN COMPLIANCE WITH THE REQUIREMENTS OF ASTM E814, UL 1479 AND THE UL FIRE RESISTANCE DIRECTORY REQUIREMENTS FOR THROUGH-PENETRATION FIRESTOP DEVICES (XHC).

THE RATING OF THE FIRE STOPS SHALL BE THE SAME AS THE TIME-RATED FLOOR, WALL OR CEILING ASSEMBLY.

INSTALL FIRE STOPPING MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

UNLESS PROTECTED FROM POSSIBLE LOADING OR TRAFFIC, INSTALL FIRE STOPPING MATERIALS IN FLOORS HAVING VOID OPENINGS OF FOUR (4) INCHES OR MORE TO SUPPORT THE SAME FLOOR LOAD REQUIREMENTS AS THE SURROUNDING FLOOR.



BEAVER TRIBAL COUNCIL
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 100-PERCENT

WASHETERIA REMODEL
 ELECTRICAL SPECIFICATIONS
 BEAVER, ALASKA

REVISIONS	
NUMBER	DATE

JOB NO: 98259.10
 DATE: 3/26/99
 DRAWN BY: MSW
 CHECKED BY: TEH
 DRAWING NO:
E2
 SHEET 15 OF 15

