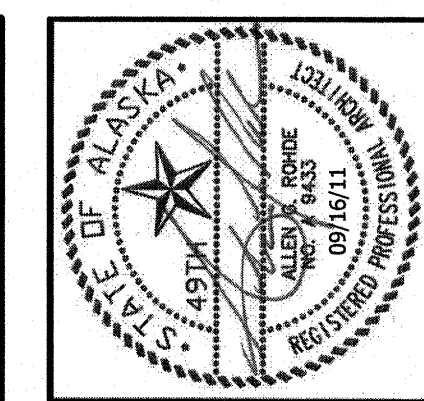


NEAR ISLAND SENIOR HOUSING

182 ALIMAK DRIVE

KODIAK, ALASKA



Rohde Associates Architects
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 696-2040 fax (907) 696-2042
 rohde@rohdeandassociates.com

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PROJECT DATA:

LEGAL DESCRIPTION:
 LOT 2, TRACT D
 KODIAK BUSINESS PARK SUBDIVISION

ADDRESS:
 182 ALIMAK DRIVE
 KODIAK, ALASKA

BUILDING CODE ANALYSIS:

THE 2006 EDITION OF THE IBC WAS USED IN THE FOLLOWING ANALYSIS:

PROJECT INFORMATION: NEW CONSTRUCTION

ZONING: BUSINESS DISTRICT

CONSTRUCTION TYPE: TYPE V - A : SPRINKLED

OCCUPANCY CLASSIFICATION: R-2 / R-1 / A-2 (NON-SEPARATED OCCUPANCIES (SECT 508.3.2) BETWEEN R-2 AND A-2 WITH R-1 BEING AN ACCESSORY USE TO A-2 CONTAINING LESS THAN 10% OF THE FLOOR AREA) A-2 IS THE MOST RESTRICTIVE PRIMARY OCCUPANCY AND WILL BE BASIS FOR CALCULATIONS.

HEIGHT: MAXIMUM: (3) STORY, OR 50' - PROVIDED: (3) STORY, 43'

SPRINKLED: YES

ACTUAL AREA:
 chapter 5 1ST FLOOR: 12,175 S.F. (9 UNITS)
 2ND FLOOR: 12,175 S.F. (12 UNITS)
 3RD FLOOR: 11,899 S.F. (11 UNITS)
 TOTAL: 36,251 S.F.

TABULAR AREA: Aa=11,500 S.F./ FLOOR

AREA INCREASE (SPRINKLER): Aa=11,500 S.F. + (11,500 S.F. * 200%) = 34,500 S.F. / FLOOR

OCCUPANCY SEPARATION: NOT REQUIRED, USE NON-SEPARATED OCC, TABLE 1017.3. 1-HR FIRE PARTITION REQ'D BETWEEN DWELLING UNITS PER SECTION 708, (SPRINKLERED BUILDING REDUCES THIS REQUIREMENT TO NOT LESS THAN 1/2-HR, SECT 708.3 EXCEPTION 2)

EXT. WALL PROTECTION: ALL AREAS OF THE BUILDING ARE GREATER THAN 10'-0" FROM THE PROPERTY LINE EXCEPT THE NORTHEAST CORNER WHICH SHARES A PROPERTY LINE WITH A PUBLIC WAY. (ALLEY AT NORTH SIDE OF SITE)
 chapter 10

OCCUPANT LOAD:
 chapter 10
FIRST FLOOR:
 (A-2) + (R-2) = (2728/15) + (9447/200) = 229 OCCUPANTS
SECOND FLOOR:
 (A-2) + (R-2) = (0) + (12175/200) = 61 OCCUPANTS
THIRD FLOOR:
 (A-2) + (R-2) = (822/15) + (10804/200) = 109 OCCUPANTS
 TOTAL OCCUPANTS: 399 OCCUPANTS

NUMBER OF EXITS: 2 REQUIRED PER STORY, 6 PROVIDED ON FIRST FLOOR, 2 PROVIDED ON SECOND FLOOR, AND 2 PROVIDED ON THIRD FLOOR.

EXIT TRAVEL DISTANCE: IBC REQUIRES OCC R & A < 250' - SATISFIED

EMERGENCY LIGHTING: PROVIDE MINIMUM 1 FOOT-CANDLE ILLUMINATION AT FLOOR LEVEL PER IBC SECTION 1006.2

INTERIOR FINISHES: MINIMUM PER IBC TABLE 803.5

EXITING: EVERY EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

PARKING: 30 UNITS / 1.5 SPACES PER UNIT = 45 SPACES
 2 OVERNIGHT UNITS / 1.0 PER UNIT = 2
 47 REQUIRED, 47 PROVIDED INCLUDING 1 VAN ACCESSIBLE
 2 REQUIRED, 2 PROVIDED

FIRE FLOW: IFC B105.1 REQUIRES 3,500 GPM FOR A TYPE V-A BUILDING. IFC B105.2 ALLOWS A REDUCTION BY 75% IF BUILDING IS SUPPLIED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM REDUCING THE REQUIRED FLOW TO 781 GPM BUT NOT LESS THAN 1,500 GPM. ROME KAMAI OF THE KODIAK FIRE DEPARTMENT CONFIRMED FLOW ON 06/27/2011 AT 1,352 GPM FLOW FROM A 2-1/2" PORT AND LINE FLOW AT 3,675 GPM @ 20 PSI. THE FIRE HYDRANT HAS (2) PORTS EQUATING TO 2,704 GPM. STATIC PRESSURE WAS AT 80 PSI AND RESIDUAL PRESSURE AT 70 PSI. IFC C105.1 REQUIRES (1) FIRE HYDRANT WITHIN 250' OF THE SITE.

Reviewed for Code Compliance
 City of Kodiak
 Building Department
 Date: 3/30/12
 Reviewed By: [Signature]

GENERAL NOTES:

- BUILDING SHALL CONFORM TO INTERNATIONAL BUILDING CODE, 2006 EDITION, MINIMUM REQUIREMENTS FOR TYPE V-B CONSTRUCTION THROUGHOUT, "B" OCCUPANCY.
- THESE DRAWINGS ARE SUPPLIED TO THE GENERAL CONTRACTOR AND OTHERS FOR THEIR USE ON THIS SPECIFIC PROJECT.
- THE ORGANIZATION OF THESE DRAWINGS IS NOT INTENDED TO CONTROL THE DIVISION OF WORK AMONG THE SUB-CONTRACTORS. THE DIVISION OF THE WORK SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO COMPLETE ALL WORK AS SHOWN OR AS IMPLIED ON THESE DRAWINGS.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL FACILITIES FOR LIGHT AND POWER WITHIN THE PREMISES AND IN THE CONSTRUCTION AREA DURING THE ENTIRE CONSTRUCTION PERIOD. POWER SHALL BE OBTAINED FROM THE EXISTING DISTRIBUTION SYSTEM. PROVIDE NECESSARY MATERIALS AND LABOR FOR POWER CONNECTIONS FOR MACHINES, PORTABLE TOOLS, ETC., AS USED BY OTHER TRADES, REGARDLESS OF SIZE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND DEBRIS RESULTING FROM CONSTRUCTION AT CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS ARE TO FACE OF STUD OR STRUCTURE, UNLESS NOTED OTHERWISE.
- CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND FIELD VERIFY CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
- ALL CONTRACTORS AND SUB CONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO ALL APPLICABLE LOCAL CODES AND TRADE STANDARDS.
- ALL COLORS, FINISHES, AND EQUIPMENT SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.
- FIRE ALARM AND SPRINKLER DRAWINGS (IF REQUIRED) ARE NOT WITHIN THE SCOPE OF THESE DRAWINGS AND ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. SUCH DRAWINGS SHALL BE SUBMITTED UNDER A SEPARATE COVER BY A QUALIFIED FIRE PROTECTION CONTRACTOR.
- ANY AND ALL DISCREPANCIES BETWEEN DRAWING SHEETS, DISCIPLINES, DIMENSIONS, DETAILS, MATERIALS, AND COLORS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING AND/ OR CONSTRUCTION IMMEDIATELY UPON DISCOVERY FOR CLARIFICATION.
- DO NOT SCALE DIMENSIONS FROM BLUEPRINTS, ANY AND ALL DISCREPANCIES OF DIMENSIONS BETWEEN DRAWING SHEETS, DISCIPLINES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION IMMEDIATELY UPON DISCOVERY FOR CLARIFICATION.

SITE LOCATION MAP:

© GOOGLE EARTH



ABBREVIATIONS:

A.F.F. ABOVE FINISHED FLOOR	COL COLUMN	ELEC ELECTRICAL	FT. FOOT	LT LEFT	OH OVERHEAD DOOR	SIM SIMILAR	VERT VERTICAL
A.C.T. ACOUSTICAL	COMM COMMUNICATION	EL ELEVATION	FTG FOOTING	LB POUND	PR PAIR	S.B. SINK BASE	VFY VERIFY
ADDN ACOUSTICAL CEILING TILE	CONC CONCRETE	EXIST EXISTING	FDN FOUNDATION	LBR LUMBER	P. LAM PLASTIC LAMINATE	S.D. SMOKE DETECTOR	VEST VESTIBULE
ALUM ADDITIONAL	C.M.U. CONCRETE MASONRY UNITS	EXP EXPANSION	GALV GALVANIZED	M.O. MASONRY OPENING	PL PLATE	S.C. SOLID CORE	V.C.T. VINYL COMPOSITION TILE
A.B. ALUMINUM	CONN CONNECTION	EXT EXTERIOR	GSP GALVANIZED STEEL PIPE	MFG MANUFACTURER(ED)	PLYWD PLYWOOD	S.C.W. SOLID CORE WOOD	V.C. WALL CABINET
& ANCHOR BOLT	C.J. CONTROL JOINT OR CONSTRUCTION JOINT	E.I.F.S. EXTERIOR INSULATION & FINISH SYSTEM	GLB GLULAM BEAM	MAX MAXIMUM	PRE ENG PREVIOUSLY ENGINEERED	SPEC SPECIFICATION	W.W.F. WELDED WIRE FABRIC
APPROX AND	CONST CONSTRUCTION	FAB FABRICATED	GOVT GOVERNMENT	MECH MECHANICAL	PSF POUNDS PER SQUARE FOOT	SQ SURE	W.W.M. WELDED WIRE MESH
ARCH APPROXIMATELY	CONT CONTINUOUS	F.O.C. FACE OF CONCRETE	G.B. GRAB BAR	MEMB MEMBRANE	Q.T. QUARRY TILE	SQ FT SQUARE FEET	W/ WITH
ASPH ARCHITECTURAL	CJ CONSTRUCTION JOINT	F.O.F. FACE OF FINISH	GR GRADE	MWP MEMBRANE WATERPROOFING	R.D. RADIUS	SST STAINLESS STEEL	W/O WITHOUT
@ ASPHALT	CJ CONSTRUCTION JOINT	F.O.S. FACE OF STUDS	GA GAUGE	MTL METAL	R.D. ROOF DRAIN	STL STEEL	WOOD WOOD
A.W.W. AT	CJ CONSTRUCTION JOINT	F.O.W. FACE OF WALL	GYP GYPSUM	MIN MINIMUM	REF REFERENCE	STRUC STRUCTURAL	
BK ALL WEATHER WOOD	DEM DEMOLITION	F.T.F. FACE TO FACE	G.W.B. GYPSUM WALL BOARD	MIR MIRROR	REIN REINFORCE	SUSP SUSPENDED	
B.C. BACK	DTL DETAIL	F.F. FACTORY FINISH	H.C. HANDICAPPED	MISC MISCELLANEOUS	REQD REQUIRED	S.A.T. SUSPENDED ACOUSTICAL TILE	
BM BASE CABINET	DIA DIAMETER	F.E. FIRE EXTINGUISHER	H.M. HOLLOW METAL	NOM NOMINAL	REV REVERSED	TV TELEVISION	
BLK BEAM	DIFF DIFFUSER	F.F. FIRE EXTINGUISHER	HORIZ HORIZONTAL	N.A. NOT APPLICABLE	RT RIGHT	TELE TELEPHONE	
BLKG BLOCK	DIM DIMENSION	F.P. FIREPROOF	H.B. HOSE BIB	N.I.C. NOT IN CONTRACT	RM ROOM	THRU THROUGH	
CAB BLOCKING	DR DOOR	FIG FIGURE	IN INCH	N.T.S. NOT TO SCALE	RGH ROUGH	T.I. TENANT IMPROVEMENT	
CPT CABINET	DN DOWN	FIN FINISHED	INCL INCLUDE(ING)	NO NUMBER	R.O. ROUGH OPENING	T.O. TOP OF	
CLG CARPET	DS DOWN SPOUT	F.F.E. FINISHED FLOOR ELEVATION	INSUL INSULATE(ION)	# NUMBER	ROUND ROUND	TS TUBE STEEL	
CL CASEMENT	D.B. DRAWER BANK	F.T. FIRE TREATED	INT INTERIOR	O.C. ON CENTER	RBR RUBBER	TYP TYPICAL	
C TO C CEILING	DWG DRAWING	FLR FLOOR	JAN JANITOR	OPNG OPENING	S.S. SANITARY SEWER	TRANSV TRANSVERSE	
C.T. CENTERLINE	D.F. DRINKING FOUNTAIN	FLR FLOOR DRAIN	JOINT JOINT	OPP OPPOSITE	S.S. SCHEDULE	U.O.N. UNLESS OTHERWISE NOTED	
CERAMIC TILE	EA EACH	F.L. FLOOR DRAIN	LAM LAMINATE	ORIG ORIGINAL	SCHD SCHEDULE	VAC VACUUM	
	E.W. EACH WAY	F.L. FLOW LINE	LAV LAVATORY	O.R.D. OVERFLOW ROOF DRAIN	SECT SECTION	V.B. VAPOR BARRIER	
				Q/H OVERHEAD	SHT SHEET	SV SHEET VINYL	

PROJECT NARRATIVE:

The scope of work required by the general contractor (GC) and their subcontractors (SC) is as follows:

Any design work by the GC shall be submitted and approved by the owner's representative, architect, engineers, and the State Fire Marshal prior to commencing with construction.

This project is a new 30 unit senior housing facility for the Kodiak Island Housing Authority. Two additional efficiency units are being provided for overnight guests seeking medical attention in Kodiak.

NEAR ISLAND SENIOR HOUSING
182 ALIMAK DRIVE
KODIAK, ALASKA

NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

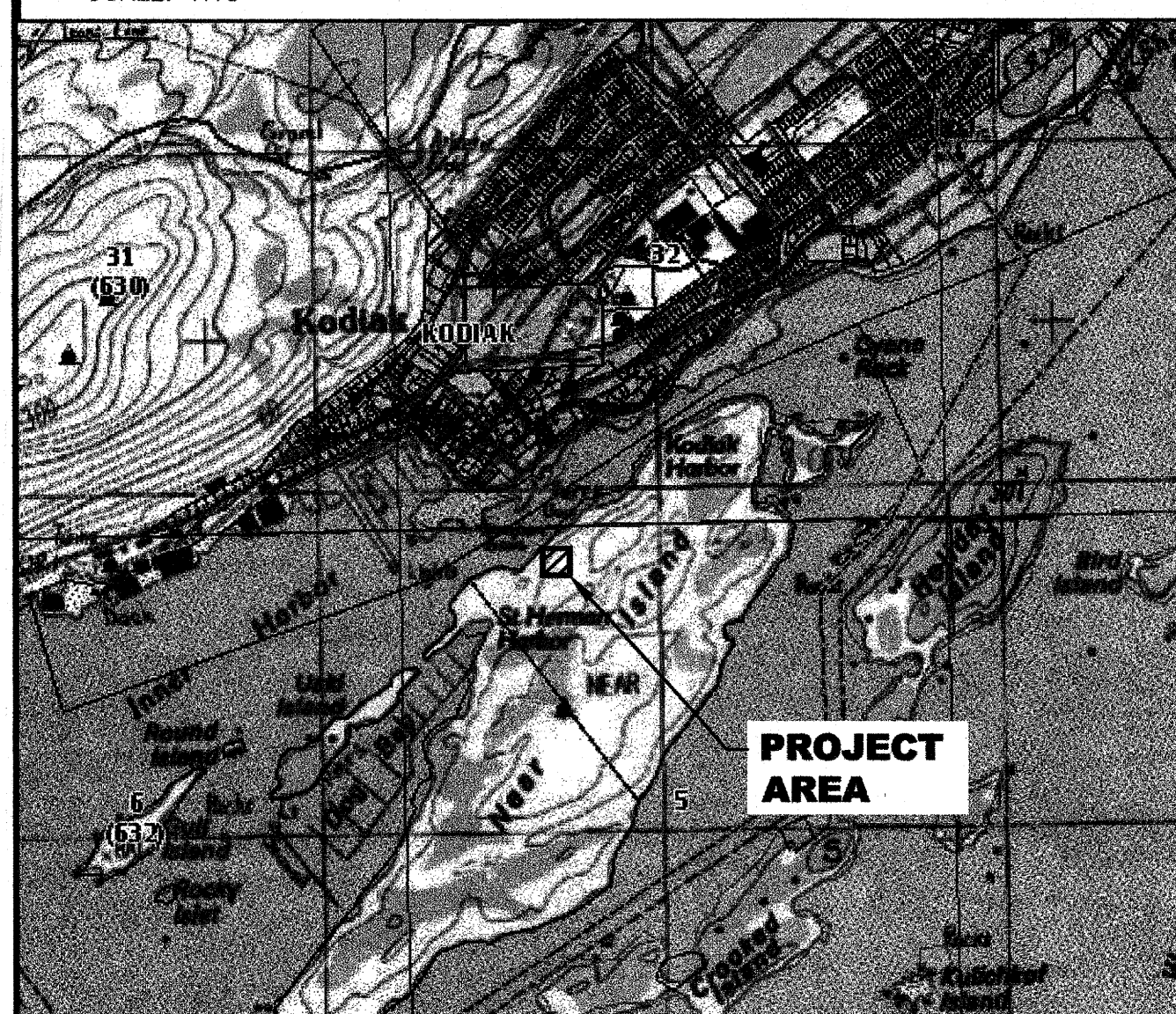
JOB NO.	1002
DATE	March 11, 2011
DRAWN	MFW
REVIEWED	AGR

SHEET TITLE:	COVER SHEET
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SHEET NO.
G1.0

New 10/6/11 IF THIS SHEET IS LESS THAN: 22"x34" IT IS A REDUCED PRINT - DO NOT SCALE DIMENSIONS FROM BLUEPRINTS

VICINITY MAP LOCATED IN SECTION 5, T28S, R19W, S.M. ALASKA
SCALE: NTS KODIAK RECORDING DISTRICT



PROJECT AREA

GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL BE INSTALLED AS SPECIFIED IN THE MOST CURRENT EDITION OF THE STANDARD CONSTRUCTION SPECIFICATIONS & STANDARD DETAILS FOR THE CITY OF KODIAK AS WELL AS THE PROVIDED PROJECT SPECIFICATIONS.
2. ALL WATER/SEWER PIPE INSULATION SHALL BE RIGID BOARD, HIGH DENSITY EXTRUDED POLYSTYRENE, MIN. 60 P.S.I., FOR UNDERGROUND INSTALLATIONS EQUIVALENT TO R-20 PER FOUR (4) INCH THICK INSULATION, OR APPROVED EQUAL.
3. CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE CONTRACTOR RECORD DRAWINGS. CONTRACTOR SHALL RECORD FIELD INSTALLATION NOTES OF CONSTRUCTED IMPROVEMENTS AND ENCOUNTERED UTILITIES FOR SUBMITTAL WITH RECORD DRAWING PLANS.
4. THE CONTRACTOR SHALL RESTORE ALL DISTURBED PROPERTY, INCLUDING DRAINAGE SWALES, DISTURBED BY CONTRACT ACTIVITIES TO PRECONSTRUCTION CONDITION.
5. IN CASE OF CONFLICT BETWEEN STATIONING LOCATION OF PIPE OR FITTINGS, USE DIMENSIONED LOCATIONS RELATIVE TO THE CENTERLINE AND PROPERTY LINE, THE DIMENSIONED LOCATIONS SHALL GOVERN.
6. THE CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWING PLANS PRIOR TO CONTRACT FINAL PAYMENT.
7. CONTRACTOR SHALL FIELD INSTALL "MEG-A-LUG" JOINT RESTRAINT ON ALL MECHANICAL JOINTS.
8. CONTRACTOR SHALL USE DUCTILE IRON PIPE (DIP) LONG SOLID SLEEVES WITH RESTRAINED JOINTS TO FACILITATE CONNECTING DIP TO DIP OF SAME SIZE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND CITY LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT-OF-WAY WITHIN 24 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.
10. CONTRACTOR SHALL MAINTAIN A MINIMUM OF TEN (10) FEET HORIZONTAL AND EIGHTEEN (18") INCHES VERTICAL SEPARATION BETWEEN WATER AND STORM OR SANITARY SEWER MAINS AND SERVICES (AS MEASURED FROM OUTSIDE TO OUTSIDE OF PIPE). SANITARY AND STORM SEWER PIPE JOINTS SHALL BE PLACED AT LEAST 9- FEET FROM ANY WATERLINE CROSSING.

WATER NOTES

1. EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF WATER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY WATER SERVICE TO THE EXISTING CUSTOMERS IF THE OUTAGE EXCEEDS 6-HOURS OR IF DEEMED NECESSARY BY THE ENGINEER. (THE CONTRACTOR SHALL HAVE A TEMPORARY WATER SERVICE PLAN REVIEWED AND APPROVED BY C.O.K.)
2. NO PIPE LENGTH LESS THAN EIGHT (8') FEET SHALL BE INCORPORATED IN THE WATER SYSTEM EXCEPT FOR THOSE NECESSARY FOR FIRE HYDRANTS OR VALVE CONNECTIONS UNLESS RESTRAINED BY USE OF FIELD-LOK GASKETS (OR EQUAL) OR MEG-A-LUG FITTINGS (OR EQUAL).
3. WATER SERVICES SHALL BE 6-INCH DIP UNLESS NOTED ON PLANS.
4. WATER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY SANITARY SEWER MAIN, SANITARY SEWER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE.
5. ALL SERVICES SHALL HAVE A MINIMUM OF 5 FEET OF BURY AT ALL POINTS, OR 3 FEET OF BURY WITH 2" OF RIGID BOARD INSULATION.
6. MAXIMUM DEFLECTION OF PIPE PER JOINT SHALL NOT EXCEED 80% OF THE MANUFACTURERS RECOMMENDED DEFLECTION (4 DEGREES).
7. ALL PIPE BEDDING SHALL BE 2-INCH MINUS TYPE B MATERIAL.
8. THE CONTRACTOR SHALL RELOCATE ANY WATER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD DISTANCES PRIOR TO ACCEPTANCE BY C.O.K.
9. CONTRACTOR IS REQUIRED TO OPEN BORE FLUSH WATER MAIN PRIOR TO INSTALLATION OF WATER SERVICE CONNECTION.
10. RESTRAINED FITTINGS SHALL BE INSTALLED AT ALL TEES, BENDS, AND STUBOUTS.
11. FIRE LINE TO BE PRESSURE TESTED, CHLORINATED, AND CONTINUITY TESTED ALL THE WAY TO BUILDING RISER.

SANITARY SEWER NOTES

1. EXISTING CUSTOMERS SHALL BE NOTIFIED SEVENTY-TWO (72) HOURS IN ADVANCE OF SANITARY SEWER SERVICE INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SANITARY SEWER SERVICE TO THE EXISTING CUSTOMERS IF DEEMED NECESSARY BY THE ENGINEER. (TEMPORARY SEWER SERVICE NEEDS C.O.K. REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.)
2. SANITARY SEWER SERVICES SHALL BE 6-INCH DIP UNLESS NOTED ON PLANS WITH A MINIMUM SLOPE FOR 6-INCH SERVICES TO BE 1% AND FOR 4-INCH SERVICES TO BE 2%.
3. SANITARY SEWER SERVICES SHALL BE PLACED NO CLOSER THAN: 15 FEET HORIZONTALLY MEASURED TO ANY FIRE HYDRANT OR FIRE HYDRANT LEG; 10 FEET HORIZONTALLY MEASURED TO ANY WATER MAIN, WATER SERVICE, STORM SEWER, FOOTING DRAIN, STREET LIGHT, TRANSFORMER PAD, ELECTRICAL/TELEPHONE/CABLE BOX; AND 5 FEET HORIZONTALLY MEASURED TO ANY SIDE LOT LINE.
4. ALL BEDDING SHALL BE 2-INCH MINUS TYPE B MATERIAL.
5. SEWER MAIN AND SERVICE TRENCHES AND BEDDING SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
6. THE CONTRACTOR SHALL RELOCATE ANY SEWER SERVICE CONNECTIONS INSTALLED WITH LESS THAN MINIMUM STANDARD MEASURED DISTANCES PRIOR TO FINAL ACCEPTANCE BY C.O.K.
7. ALL PORTIONS OF THE SEWER SERVICE WITH LESS THAN 5' OF COVER SHALL BE INSULATED WITH 2" OF RIGID BOARD INSULATION.

SURVEY NOTES

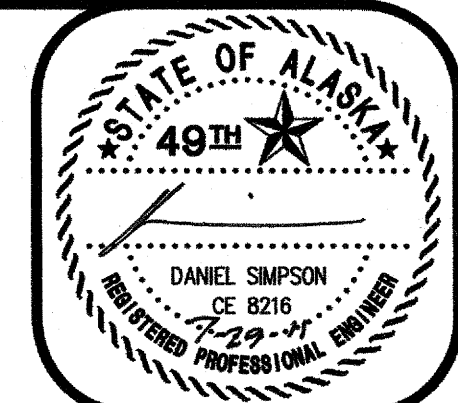
1. SURVEY WAS PERFORMED BY F. ROBERT BELL & ASSOC. ON FEBRUARY 16, 2010.
2. BASIS OF COORDINATES IS THE FOUND ALUMINUM CAP AT THE NORTHEAST CORNER OF LOT 2 (N:1301.79; E:5076.50; ELEV:99.23). AN ASSUMED LOCAL COORDINATE SYSTEM WAS USED.
3. WATER AND SEWER ALIGNMENTS ARE BASED ON SHEETS 2-3 AND 5-6 OF "NEAR ISLAND WATER & SEWER; WATER SYSTEM/PLAN & PROFILE"; DATED 1/26/90.
4. SHOWN ALLEY WAY GRADE IS APPROXIMATE DUE TO EXPECTED MODIFICATIONS PER LOT 1 DEVELOPER AT TIME OF DESIGN SURVEY.

LEGEND

- FOUND 2-1/2" ALUMINUM CAP
- (R) RECORD (PLAT 2002-14)
- (M) MEASURED
- CMP CORRUGATED METAL PIPE
- FES FLARED END SECTION
- DIP DUCTILE IRON PIPE
- FFE FINISH FLOOR ELEVATION
- ROW RIGHT-OF-WAY
- C.O.K. CITY OF KODIAK
- ⊗ SANITARY SEWER MANHOLE
- ⊙ CLEANOUT
- ⊕ BOREHOLE LOCATION
- ▲ SIGN
- BOLLARD
- ⊗ WATER VALVE
- ⊕ FIRE HYDRANT
- ♿ HANDICAP
- COMMUNICATIONS PEDESTAL
- 110.0' --- CONTOURS (EXISTING)
- 110.0' --- CONTOURS (PROPOSED)
- W — WATER
- S — SEWER
- T — UNDERGROUND COMMUNICATIONS LINE
- — — RIGHT-OF-WAY CENTERLINE
- [Pattern] EXISTING PAVEMENT
- [Pattern] PROPOSED PAVEMENT
- [Pattern] CONCRETE
- [Pattern] LANDSCAPING
- [Pattern] PATIO AREA
- [Pattern] SNOW STORAGE AREA

Reviewed for Code Compliance
City of Kodiak
Building Department
Date: 3/20/12
Reviewed By: *Della Pending City approval letter*

SHEET INDEX	
SHEET NO.	TITLE
C1.0	VICINITY MAP, LEGEND, AND GENERAL NOTES
C2.0	EXISTING SITE AND DEMOLITION PLAN
C3.0	SITE PLAN
C3.1	GRADING PLAN
C3.2	SECTIONS
C3.3	DETAILS
C4.0	ALLEY WAY PLAN AND PROFILE
C5.0	WATER SERVICE PLAN & PROFILE
C5.1	SEWER SERVICE PLAN & PROFILE
C6.0	EROSION AND SEDIMENT CONTROL PLAN
C6.1	E&SCP DETAILS



DATE: _____

REVISION: _____

CLIENT: ROHDE & ASSOCIATES ARCHITECTS
OWNER'S SIGNATURE: ALLEN ROHDE, OWNER
ADDRESS: 11925 OLD GLENN HIGHWAY
EAGLE RIVER, AK 99577 (907) 686-2960

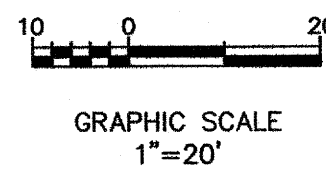
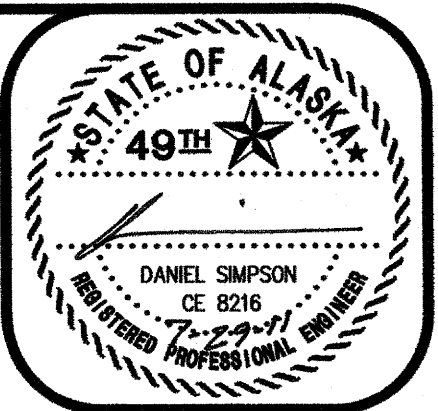
DRAWN BY: MLG
CHECKED BY: CLB
DATE: 07/29/11
FIELD BK.: 2010-01(14-18)

SCALE: AS SHOWN

NEAR ISLAND SENIOR HOUSING
VICINITY MAP, LEGEND, AND GENERAL NOTES

F. Robert Bell & Associates
100 WEST PARKWAY, SUITE 100
ANCHORAGE, ALASKA 99507
PHONE: 907-562-5400

SHEET: **C1.0**



REVISION:	DATE:

CLIENT: ROHDE & ASSOCIATES ARCHITECTS OWNER'S SIGNATURE: ALLEN ROHDE, OWNER ADDRESS: 11925 OLD CLENN HIGHWAY EAGLE RIVER, AK 99577 (907) 696-2960	JOB NUMBER: 2010-1549 DRAWN BY: MLG CHECKED BY: CLB DATE: 07/29/11 FIELD BK.: 2010-01(P.14-18)
SCALE: AS SHOWN	

NEAR ISLAND SENIOR HOUSING
EXISTING SITE AND DEMOLITION PLAN

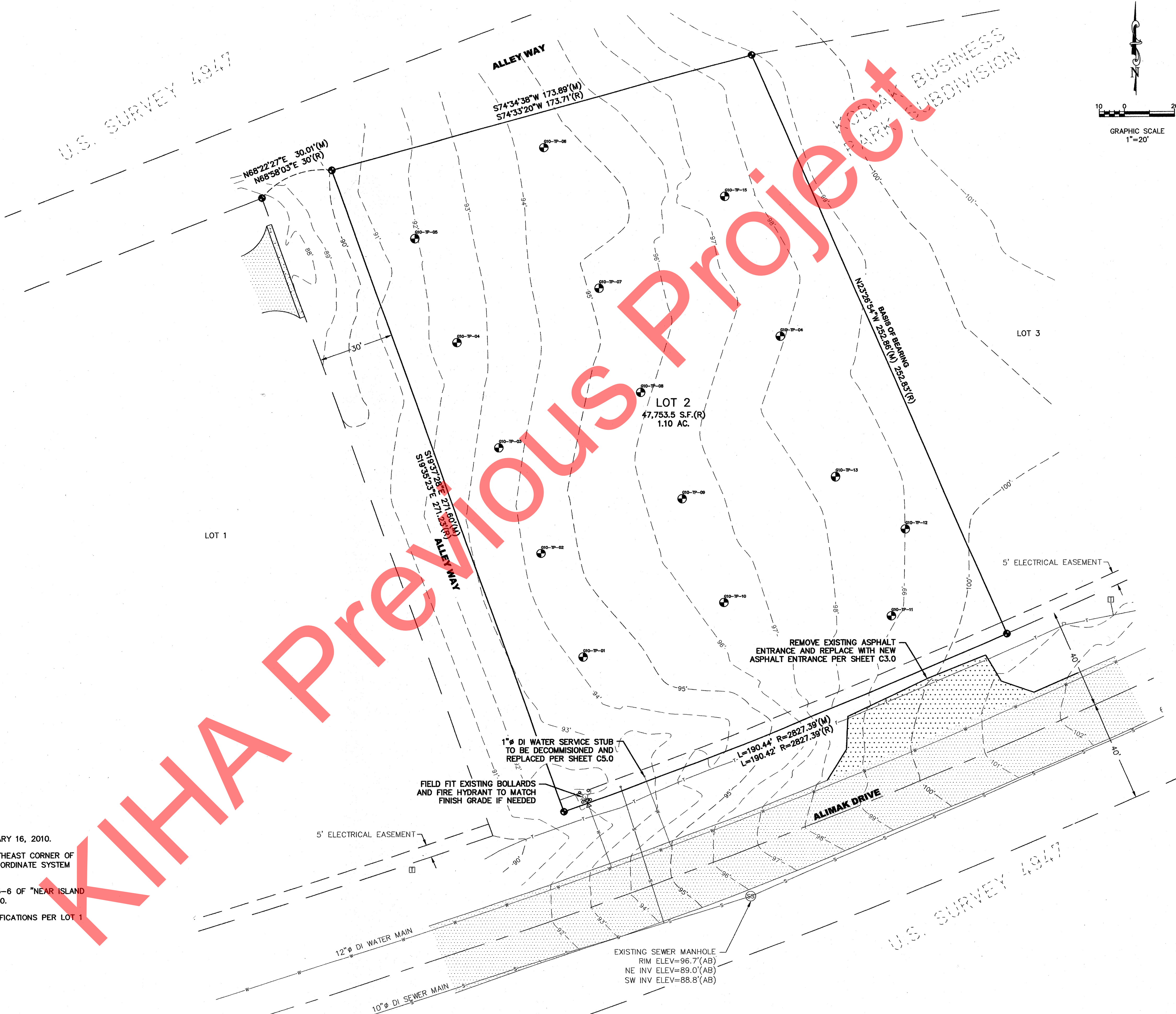
F. Robert Bell & Associates
100 WEST WINDWARD LANE, SUITE 100
ANCHORAGE, ALASKA 99503-1001
PHONE: (907) 724-2327

SHEET:
C2.0

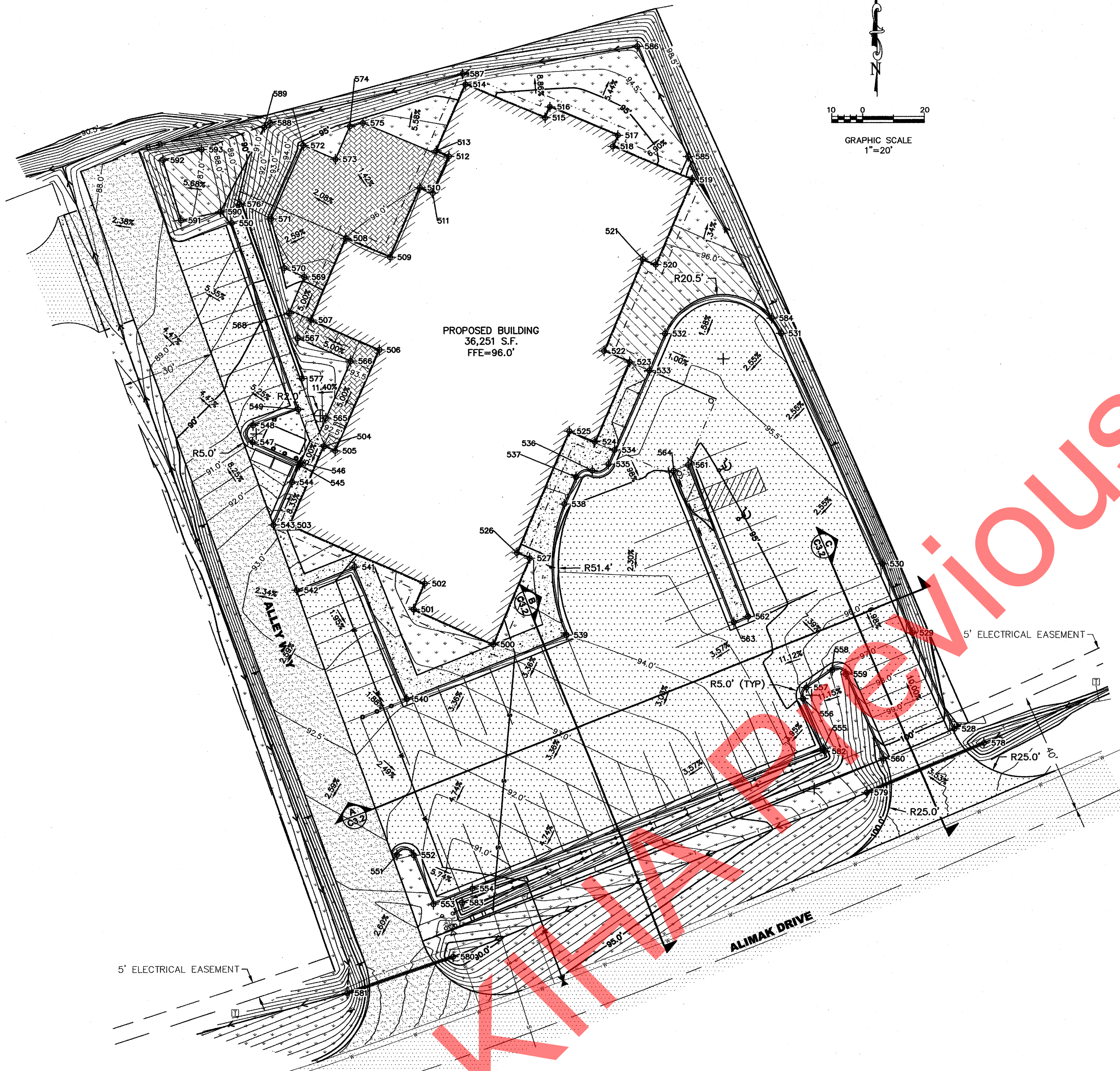
U.S. SURVEY 1947

LEGEND

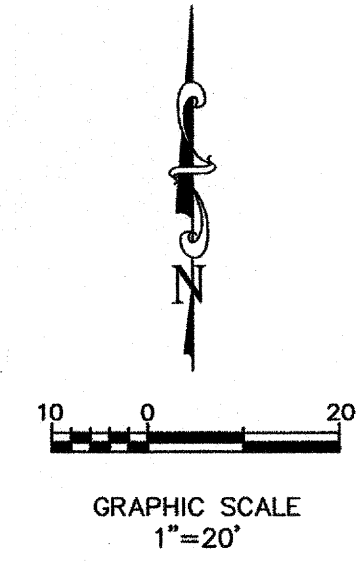
- FOUND 2-1/2" ALUMINUM CAP
- (M) MEASURED
- (R) RECORD PER PLAT 2002-14
- ⊙ BOREHOLE LOCATION



- NOTES:**
- SURVEY WAS PERFORMED BY F. ROBERT BELL & ASSOC. ON FEBRUARY 16, 2010.
 - BASIS OF COORDINATES IS THE FOUND ALUMINUM CAP AT THE NORTHEAST CORNER OF LOT 2 (N:1301.79; E:5076.50; ELEV:99.23). AN ASSUMED LOCAL COORDINATE SYSTEM WAS USED.
 - WATER AND SEWER ALIGNMENTS ARE BASED ON SHEETS 2-3 AND 5-6 OF "NEAR ISLAND WATER & SEWER; WATER SYSTEM/PLAN & PROFILE"; DATED 1/26/90.
 - SHOWN ALLEY WAY GRADE IS APPROXIMATE DUE TO EXPECTED MODIFICATIONS PER LOT 1 DEVELOPER AT TIME OF DESIGN SURVEY.



PROPOSED BUILDING
36,251 S.F.
FFE=96.0'



POINT TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
500	1095.56	5023.30	93.99	BUILDING CORNER
501	1106.69	4997.60	94.18	BUILDING CORNER
502	1114.95	5001.18	94.27	BUILDING CORNER
503	1133.81	4957.58	92.85	BUILDING CORNER
504	1159.51	4968.71	92.19	BUILDING CORNER
505	1157.94	4972.34	92.19	BUILDING CORNER
506	1190.98	4986.64	93.64	BUILDING CORNER
507	1200.49	4964.65	94.49	BUILDING CORNER
508	1226.65	4975.97	96.00	BUILDING CORNER
509	1220.49	4990.20	96.00	BUILDING CORNER
510	1242.98	4999.93	96.00	BUILDING CORNER
511	1241.19	5004.06	96.00	BUILDING CORNER
512	1253.42	5009.35	96.00	BUILDING CORNER
513	1255.21	5005.22	96.00	BUILDING CORNER
514	1277.24	5014.76	94.70	BUILDING CORNER
515	1266.15	5040.47	95.50	BUILDING CORNER
516	1269.79	5042.04	95.50	BUILDING CORNER
517	1260.25	5064.07	95.50	BUILDING CORNER
518	1256.58	5062.48	95.50	BUILDING CORNER
519	1245.46	5088.18	95.70	BUILDING CORNER
520	1217.93	5076.26	96.10	BUILDING CORNER
521	1219.72	5072.13	96.10	BUILDING CORNER
522	1190.50	5059.48	96.20	BUILDING CORNER
523	1186.93	5067.74	96.00	BUILDING CORNER
524	1160.77	5056.42	96.00	BUILDING CORNER
525	1164.35	5048.16	96.00	BUILDING CORNER
526	1124.88	5031.08	94.93	BUILDING CORNER
527	1123.10	5035.21	94.93	BUILDING CORNER
528	1067.82	5172.53	100.89	TOP BACK CURB
529	1098.99	5158.99	97.49	TOP BACK CURB
530	1121.02	5149.42	95.66	TOP BACK CURB
531	1196.00	5116.83	96.50	TOP BACK CURB
532	1195.98	5079.22	96.00	TOP BACK CURB
533	1184.17	5074.11	96.00	TOP BACK CURB
534	1158.02	5062.79	96.00	TOP BACK CURB
535	1153.42	5060.80	95.90	TOP BACK CURB
536	1151.34	5055.54	95.90	TOP BACK CURB
537	1149.26	5050.28	95.90	TOP BACK CURB
538	1140.44	5046.46	95.42	TOP BACK CURB
539	1098.48	5047.03	94.40	TOP BACK CURB
540	1077.99	4995.21	93.00	TOP BACK CURB
541	1120.30	4978.46	93.77	TOP BACK CURB
542	1112.91	4959.78	93.77	TOP BACK CURB
543	1133.84	4952.32	92.92	TOP BACK CURB
544	1147.82	4958.37	91.65	TOP BACK CURB
545	1153.33	4960.76	91.65	TOP BACK CURB
546	1154.14	4961.11	91.79	TOP BACK CURB
547	1160.84	4945.62	91.60	TOP BACK CURB
548	1166.42	4945.80	91.23	TOP BACK CURB
549	1171.64	4960.42	91.72	TOP BACK CURB
550	1231.43	4939.06	89.18	TOP BACK CURB
551	1027.21	4991.82	92.33	TOP BACK CURB
552	1027.16	4997.32	91.99	TOP BACK CURB
553	1011.27	5003.60	91.36	TOP BACK CURB
554	1016.29	5016.25	90.90	TOP BACK CURB
555	1061.42	5130.07	95.16	TOP BACK CURB
556	1077.88	5123.54	95.40	TOP BACK CURB
557	1081.47	5124.65	96.01	TOP BACK CURB
558	1087.12	5133.02	97.09	TOP BACK CURB
559	1085.83	5137.45	97.76	TOP BACK CURB
560	1058.01	5149.54	100.79	TOP BACK CURB
561	1153.07	5086.58	95.23	TOB BACK CURB
562	1104.26	5105.90	94.71	TOB BACK CURB

POINT TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
563	1102.42	5101.25	94.61	TOB BACK CURB
564	1151.23	5081.93	95.13	TOB BACK CURB
565	1168.76	4969.37	92.62	EDGE PATIO
566	1187.37	4977.42	93.64	EDGE PATIO
567	1194.77	4960.32	94.49	EDGE PATIO
568	1202.69	4957.50	94.49	EDGE PATIO
569	1214.18	4962.47	95.07	EDGE PATIO
570	1216.98	4956.00	95.43	EDGE PATIO
571	1232.78	4951.74	95.50	EDGE PATIO
572	1257.00	4962.22	95.50	EDGE PATIO
573	1252.49	4972.63	95.67	EDGE PATIO
574	1263.36	4977.33	95.67	EDGE PATIO
575	1264.45	4981.44	95.71	EDGE PATIO
576	1237.65	4941.61	—	CL RETAINING WALL
577	1181.71	4961.60	—	CL RETAINING WALL
578	1063.25	5182.11	98.14	CL CULVERT
579	1047.00	5144.11	96.70	CL CULVERT
580	994.61	5009.95	89.00	CL CULVERT
581	982.98	4975.62	86.50	CL CULVERT
582	1060.49	5130.44	94.66	EDGE SWALE
583	1011.73	5012.90	89.00	EDGE SWALE
584	1200.88	5113.85	96.59	CL SWALE
585	1253.22	5086.84	94.57	CL SWALE
586	1289.54	5070.44	93.90	CL SWALE
587	1280.74	5013.82	92.90	CL SWALE
588	1264.51	4951.47	91.61	CL SWALE
589	1263.03	4949.62	91.60	CL SWALE
590	1235.15	4935.38	87.50	TOE POND
591	1232.33	4922.55	86.80	TOE POND
592	1252.23	4916.78	86.70	TOE POND
593	1255.68	4929.28	87.00	TOE POND



DATE: _____

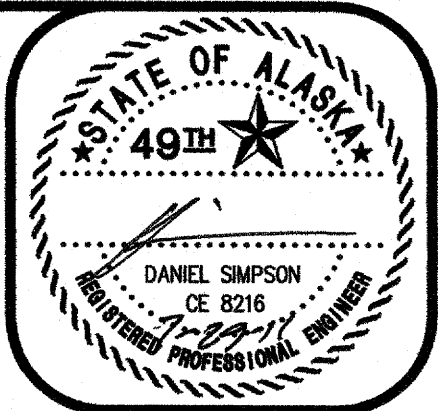
REVISION: _____

CLIENT: ROHDE & ASSOCIATES ARCHITECTS
 OWNER'S SIGNATURE: ALLEN ROHDE, OWNER
 ADDRESS: 11925 OLD GLENN HIGHWAY
 EAGLE RIVER, AK 99577 (907) 698-2980

JOB NUMBER: 2010-1549
 DRAWN BY: MLG
 CHECKED BY: CLB
 DATE: 07/29/11
 SCALE: AS SHOWN
 FIELD BK.: 2010-01(P-14-18)

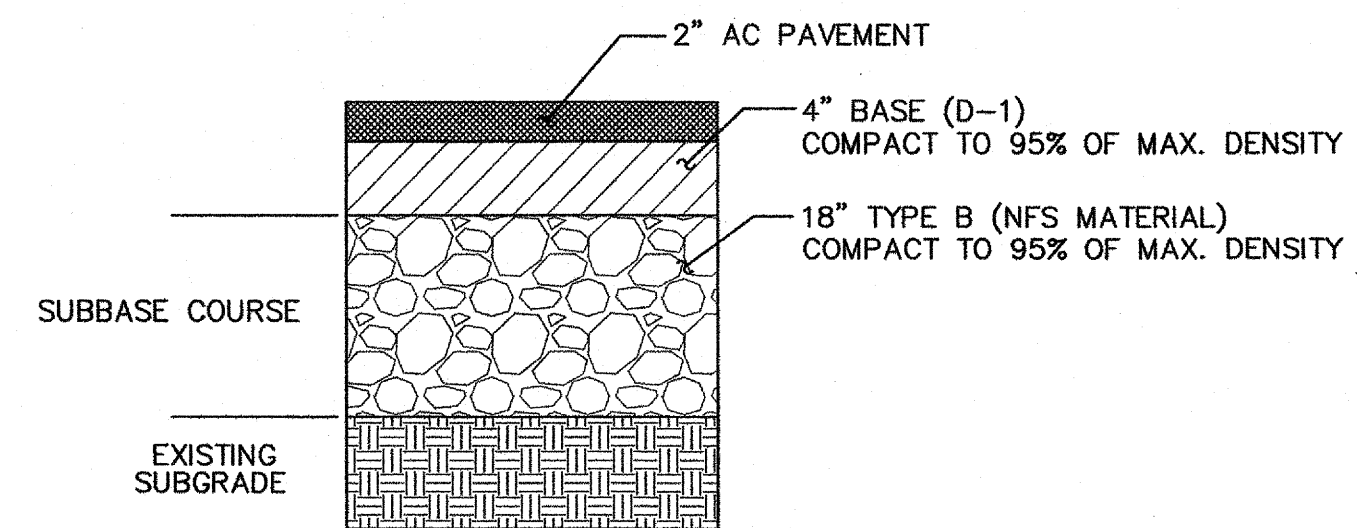
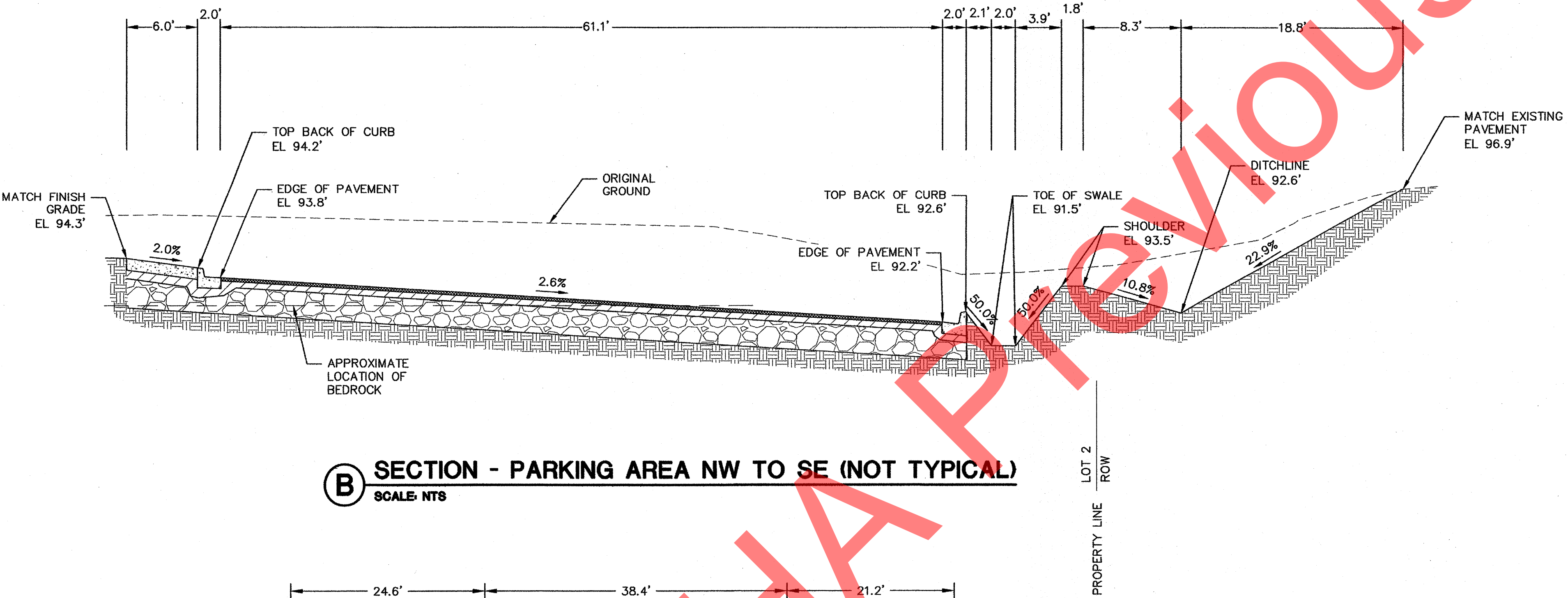
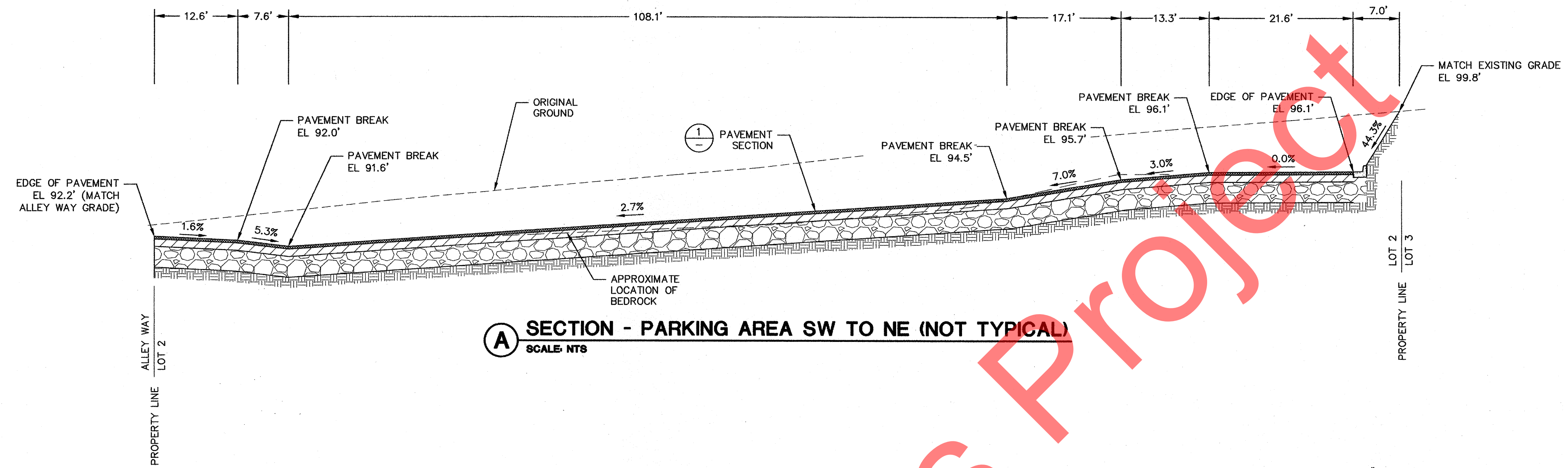
NEAR ISLAND
 SENIOR HOUSING
 GRADING PLAN

SHEET:
C3.1



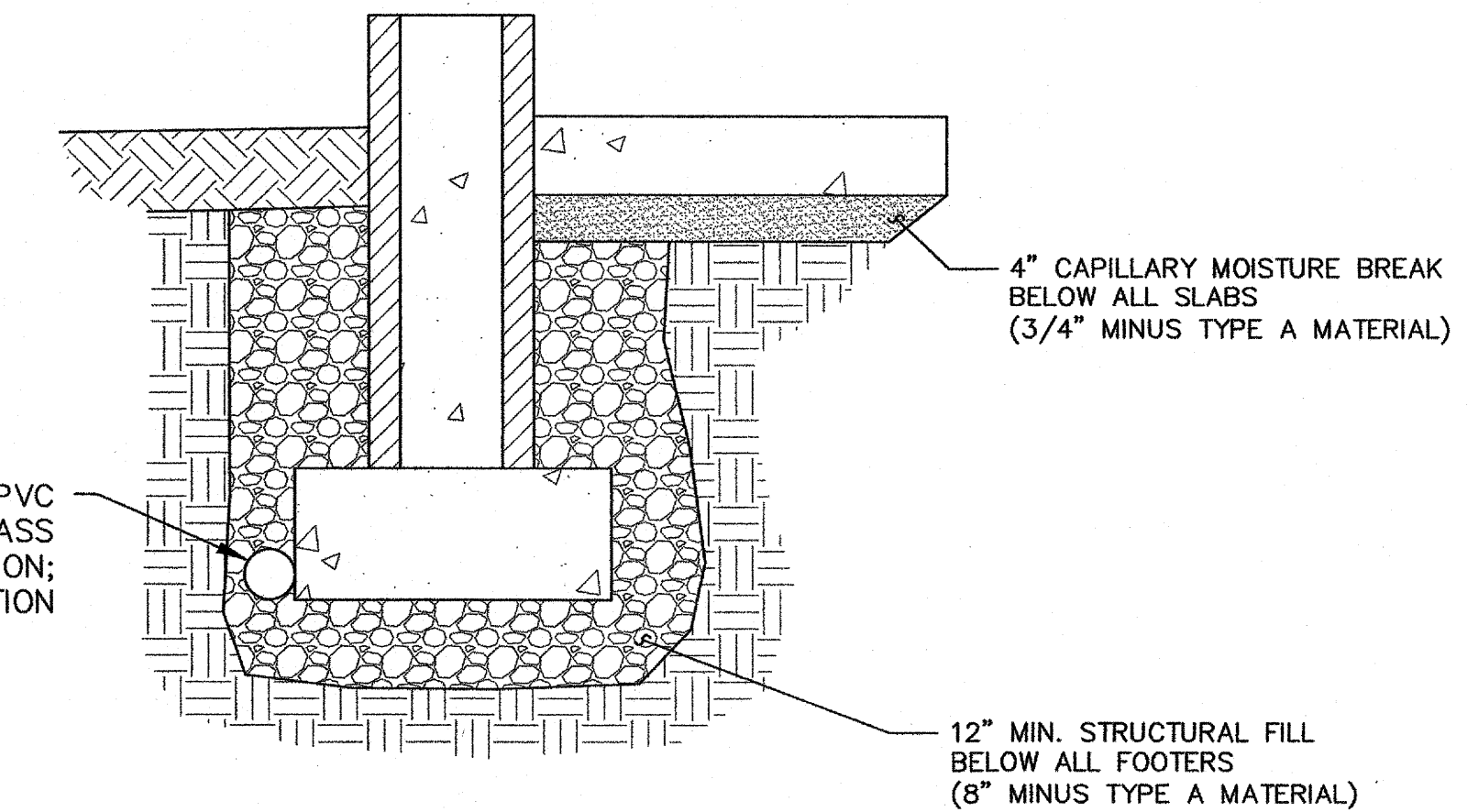
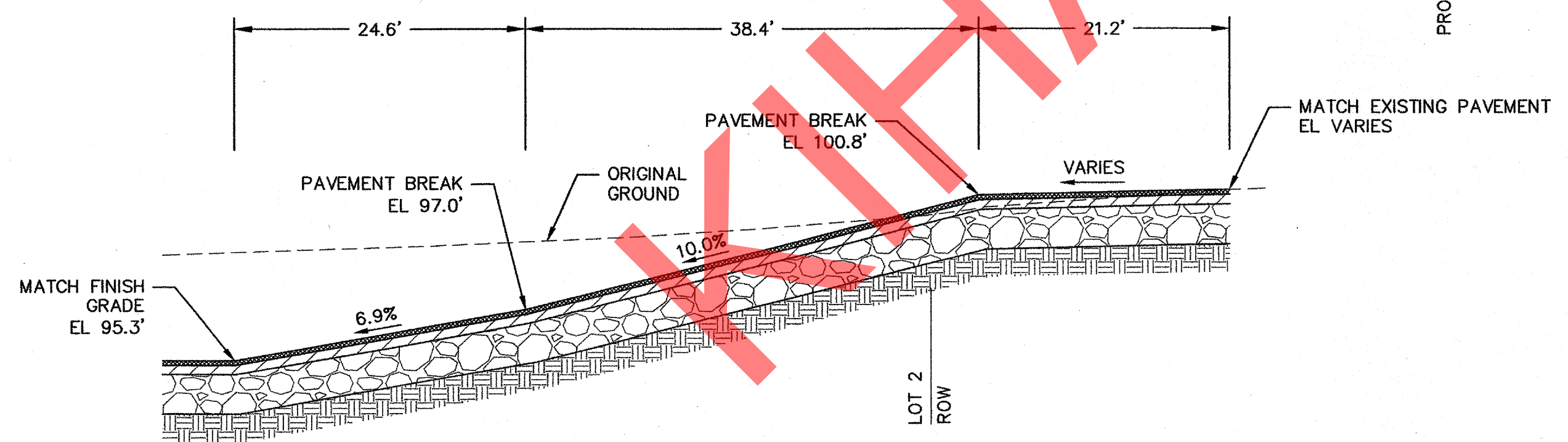
DATE: _____

REVISION: _____



NOTES:
 1. PAVEMENT SECTION BASED ON ENGINEERING RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT PREPARED BY GOLDER ASSOCIATES IN APRIL 2010.

1 DETAIL - PAVEMENT SECTION
 SCALE: NTS



2 DETAIL - FOUNDATION SECTION
 SCALE: NTS

B SECTION - PARKING AREA NW TO SE (NOT TYPICAL)
 SCALE: NTS

C SECTION - DRIVEWAY
 SCALE: NTS

CLIENT: ROHDE & ASSOCIATES ARCHITECTS
 OWNER'S SIGNATURE: ALLEN ROHDE, OWNER
 ADDRESS: 11925 OLD GLENN HIGHWAY
 EAGLE RIVER, AK 99577 (907) 686-2960

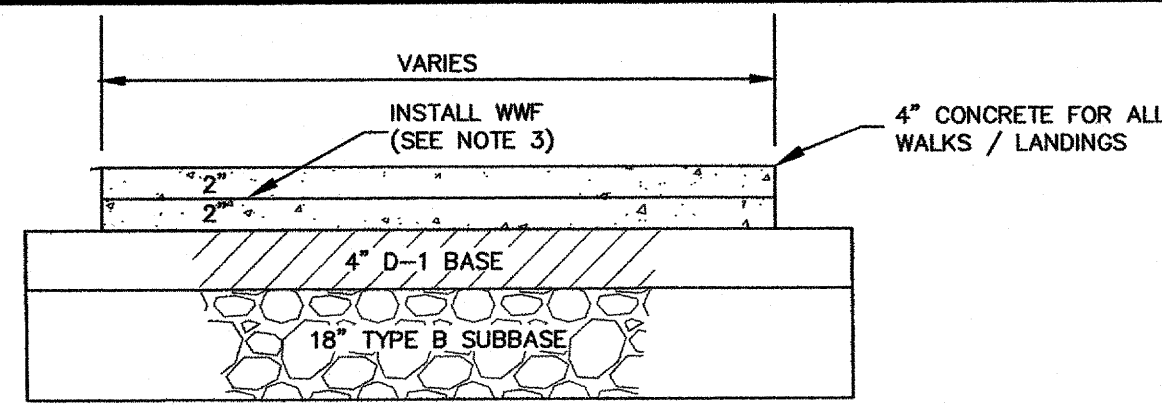
DRAWN BY: MLG
 CHECKED BY: CLB
 DATE: 07/29/11
 FIELD BK.: 2010-01(P-14-18)

JOB NUMBER: 2010-1549
 SCALE: AS SHOWN

NEAR ISLAND SENIOR HOUSING SECTIONS

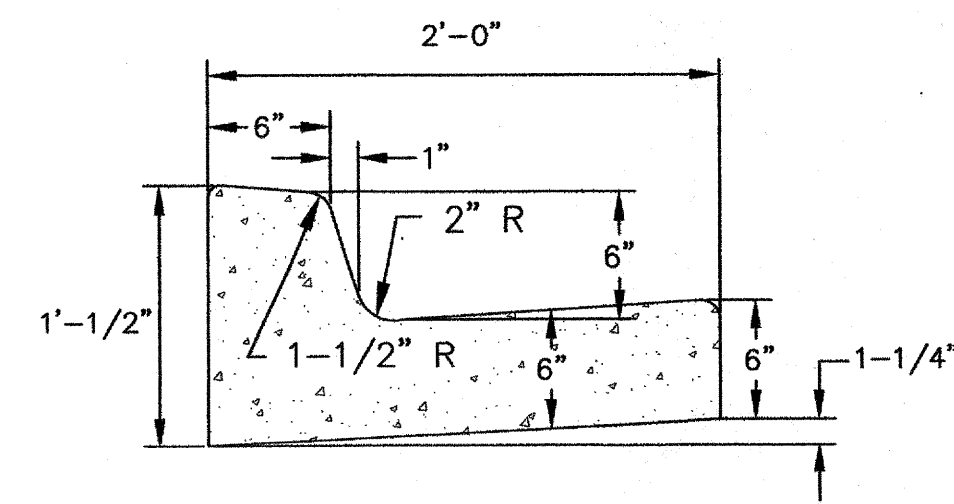
F. Robert GROSSI
 ENGINEER AND LAND SURVEYOR
 REG. NO. 10848, U.S.S. 501-501
 PHONE (907) 274-5927

SHEET:
C3.2

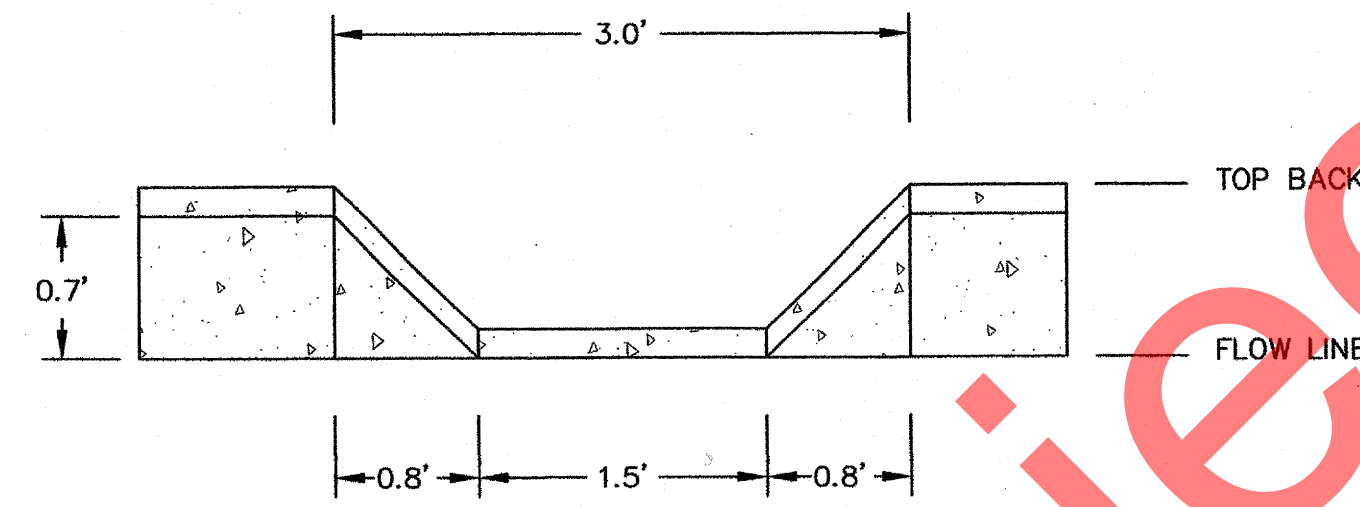


- NOTES**
1. PROVIDE PRE MOLDED JOINT FILLER FOR 1/2" EXPANSION JOINTS AT A MAXIMUM OF 20' O.C. AND AT ALL LOCATIONS WHERE MATCHING INTO EXISTING CONCRETE. THIS INCLUDES AREAS WHERE PROPOSED CONCRETE ADJOINS BUILDING WALLS/FOUNDATIONS.
 2. CONTRACTION JOINTS SHALL BE PLACE AT A MAXIMUM OF 5' O.C.
 3. CONTRACTOR TO INSTALL 6x6 W1.4 x W1.4 W.W.F. (WELDED WIRE FABRIC) IN CENTER OF CONCRETE AS SHOWN IN DETAIL.
 4. ALL BACK FILLED MATERIAL MUST BE COMPACTED TO 95% OF MAXIMUM DENSITY.
 5. THE CONCRETE WALK AND LANDINGS ARE TO HAVE A STANDARD BROOMED FINISHED WHICH SHALL HAVE NO VARIATION GREATER THAN 1/4" WHEN TESTED UNDER A 10' LEVEL.
 6. STANDARD WALK GRADE SHALL NOT EXCEED 5%, AND CROSS-SLOPE SHALL NOT EXCEED 2%.
 7. WALK RAMP GRADE SHALL NOT EXCEED 8.33% AND SHALL HAVE A LANDING (5' MIN) ON EACH SIDE OF RAMP.

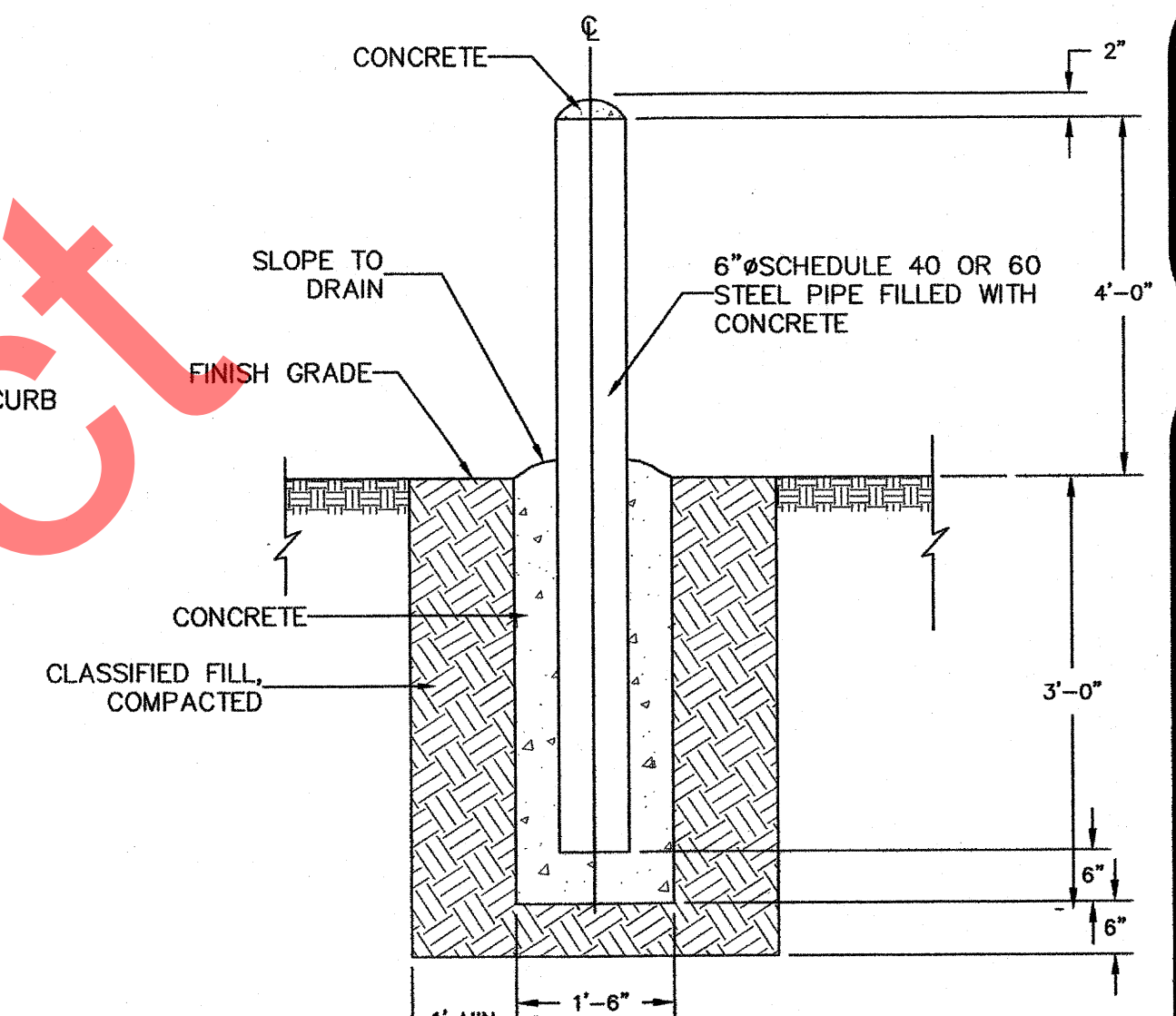
1 DETAIL - WALK AND CONCRETE LANDING
SCALE: NTS



2 DETAIL - CURB AND GUTTER
COK DETAIL 300-1
SCALE: NTS

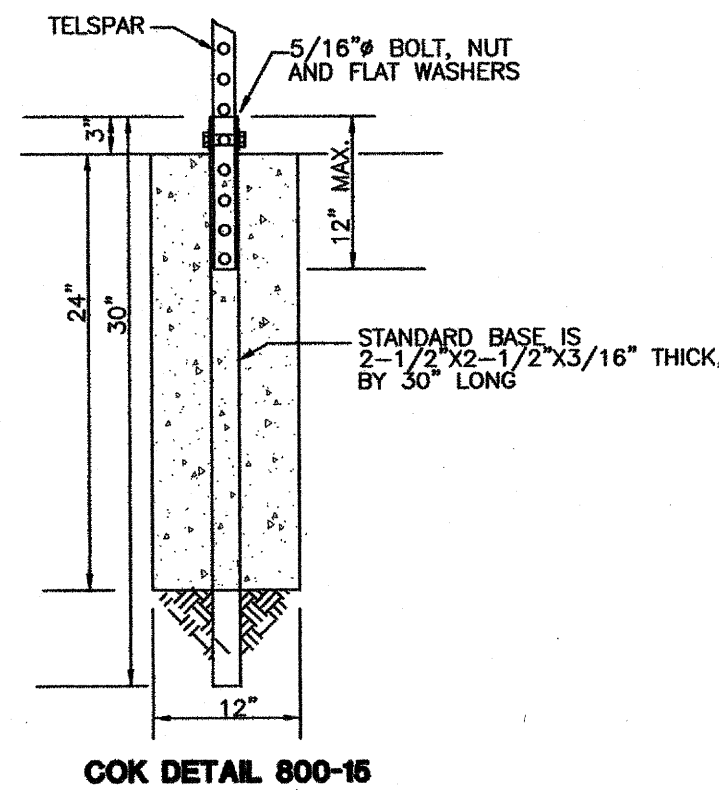


3 DETAIL - CURB CUT
SCALE: NTS

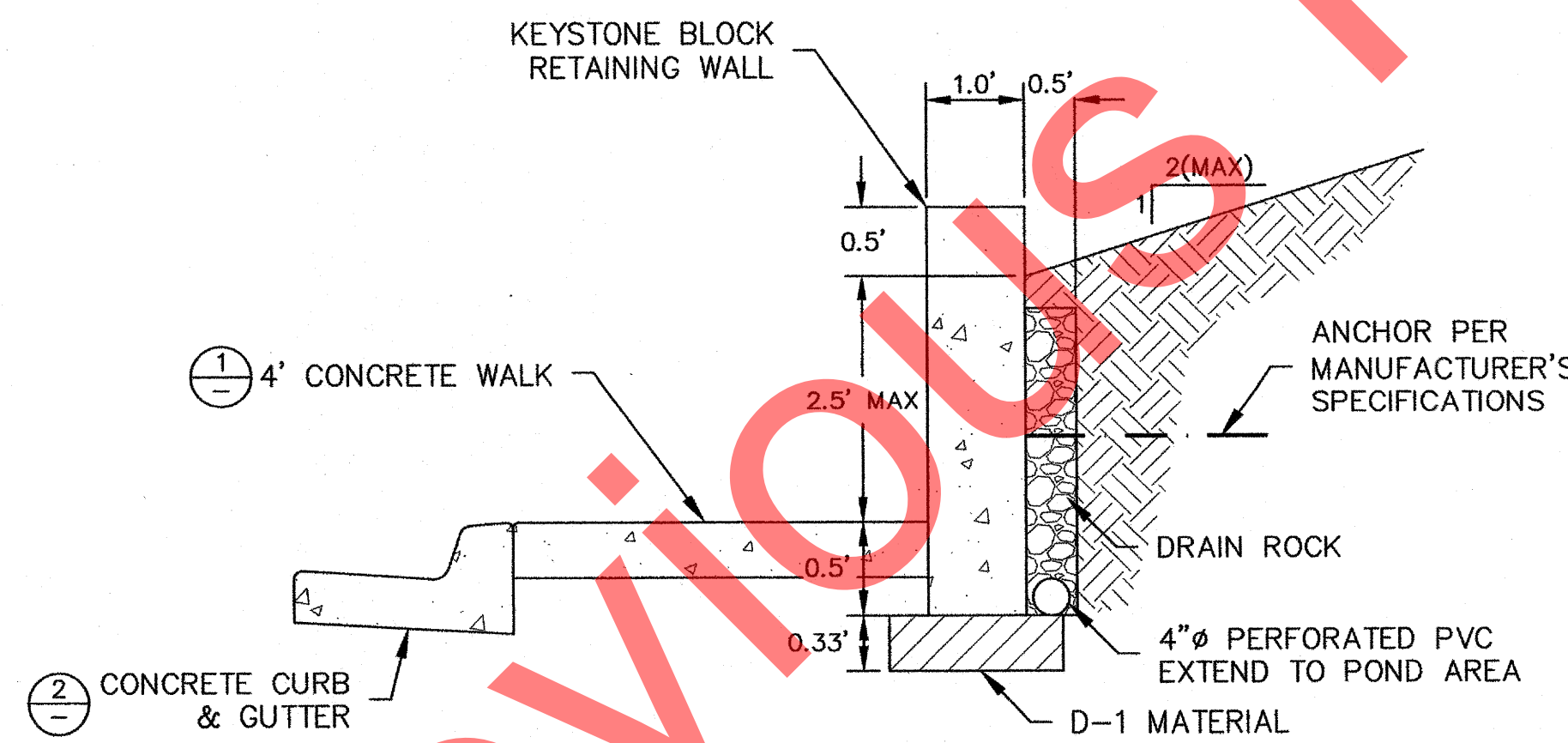


4 DETAIL - BOLLARD
SCALE: NTS

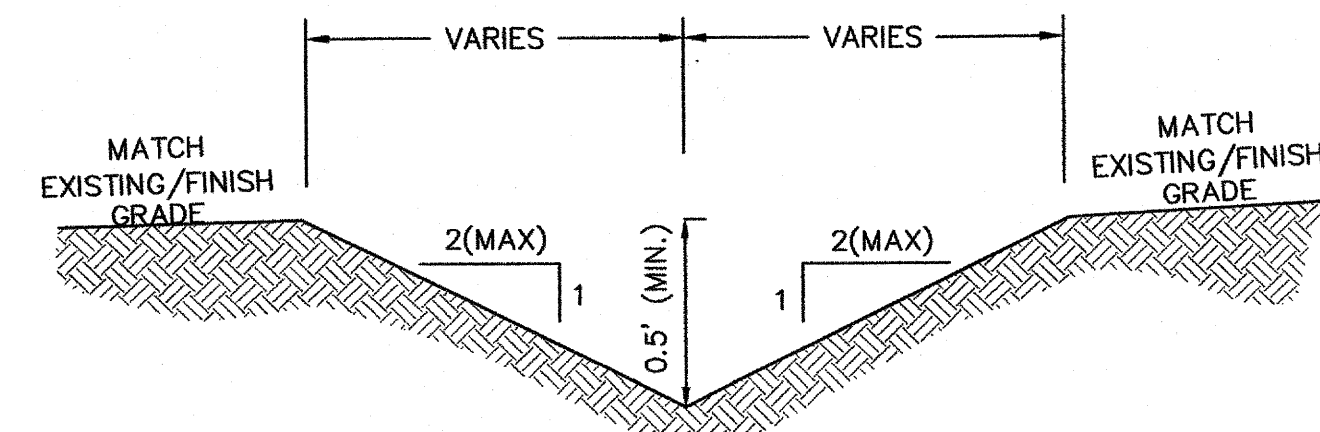
SIGN TABLE					
ICON	SIGN TABLE DESIGNATION	SIGN TEXT	SIZE	NUMBER	MOUNT TYPE
	R7-8	HANDICAP PARKING	12"x18"	2	POST
	R7-8A	VAN ACCESSIBLE	12"x6"	2	POST
	R7P-101	NO PARKING	12"x18"	1	POST



5 DETAIL - CONCRETE FOUNDATION FOR SIGN POST
SCALE: NTS

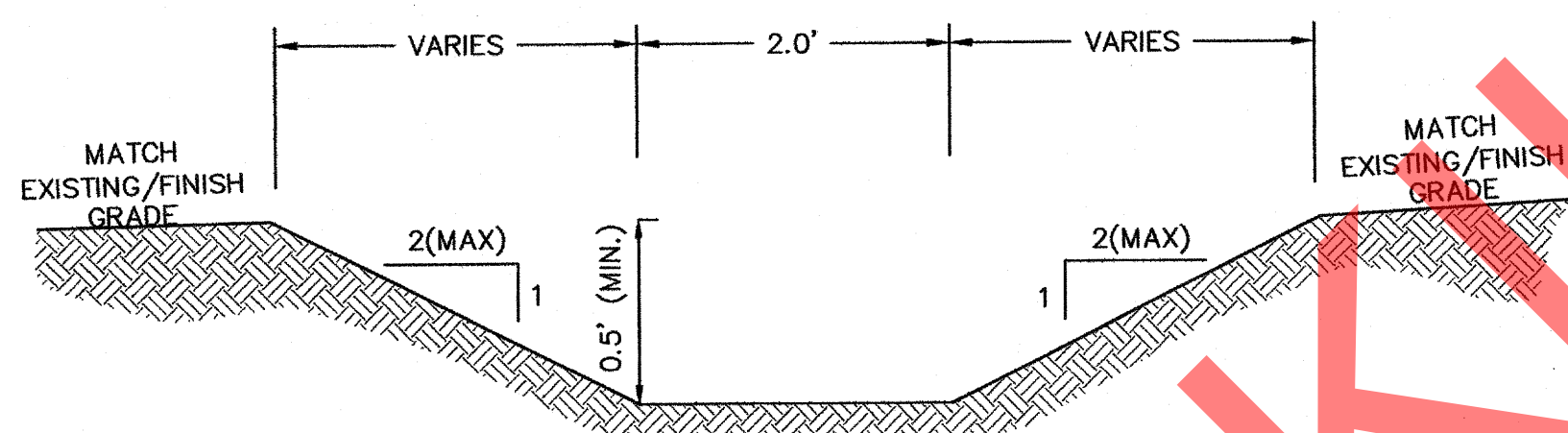


6 DETAIL - RETAINING WALL
SCALE: NTS



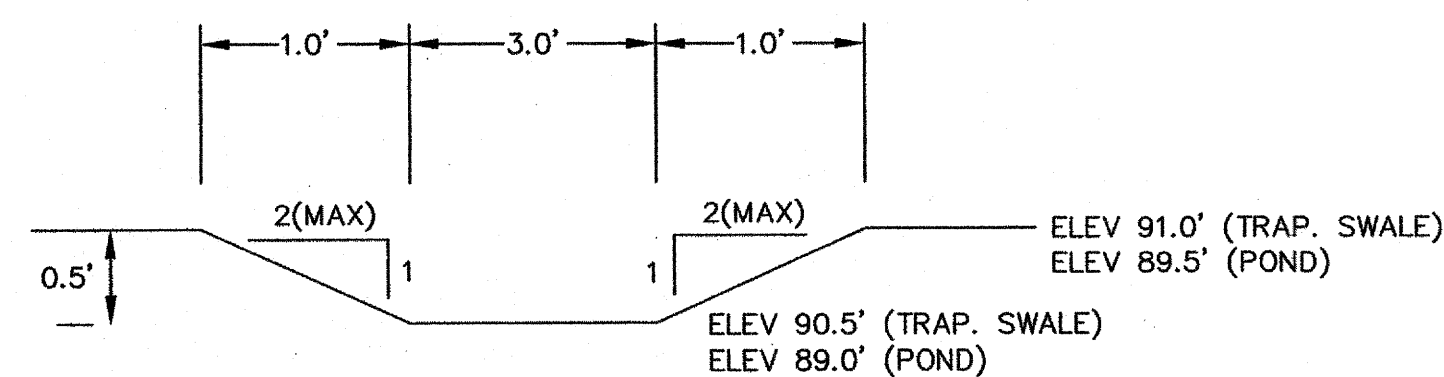
NOTES
1. V BOTTOM SWALES SHALL BE SEEDDED PER ARCHITECTURAL LANDSCAPING PLANS.

7 DETAIL - V BOTTOM SWALE
SCALE: NTS



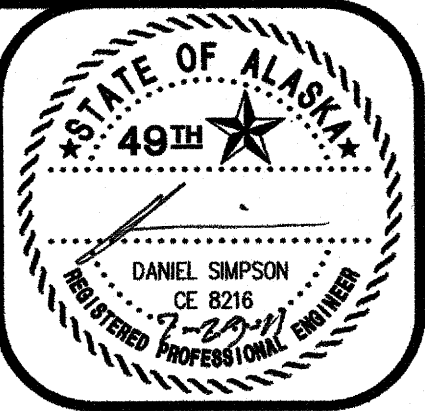
NOTES
1. TRAPEZOIDAL SWALES SHALL BE SEEDDED PER ARCHITECTURAL LANDSCAPING PLANS.

8 DETAIL - TRAPEZOIDAL SWALE
SCALE: NTS



NOTES
1. SPILLWAY SHALL BE LINED WITH 2" OF COBBLES OR C.O.K. APPROVED SOIL STABILIZATION BMP.

9 DETAIL - SPILLWAY
SCALE: NTS



DATE: _____

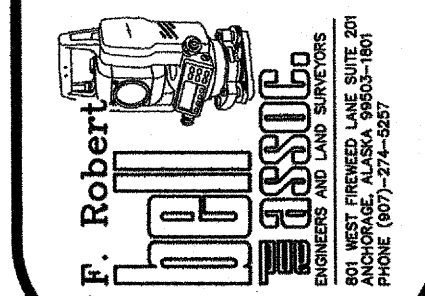
REVISION: _____

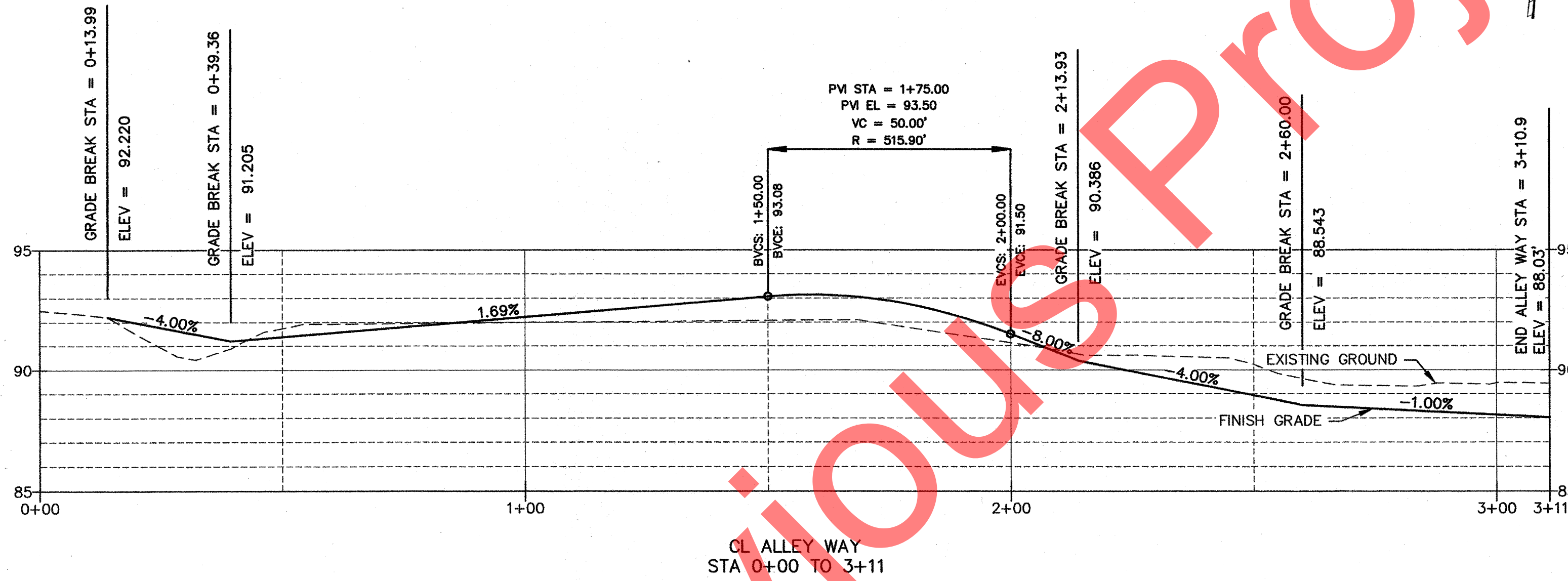
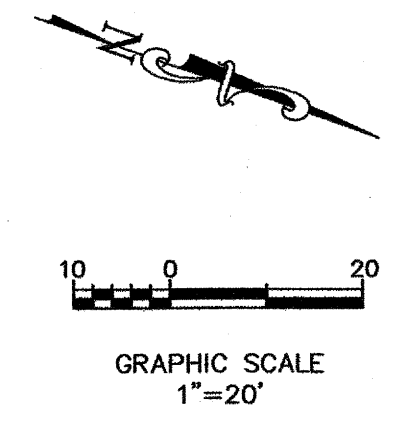
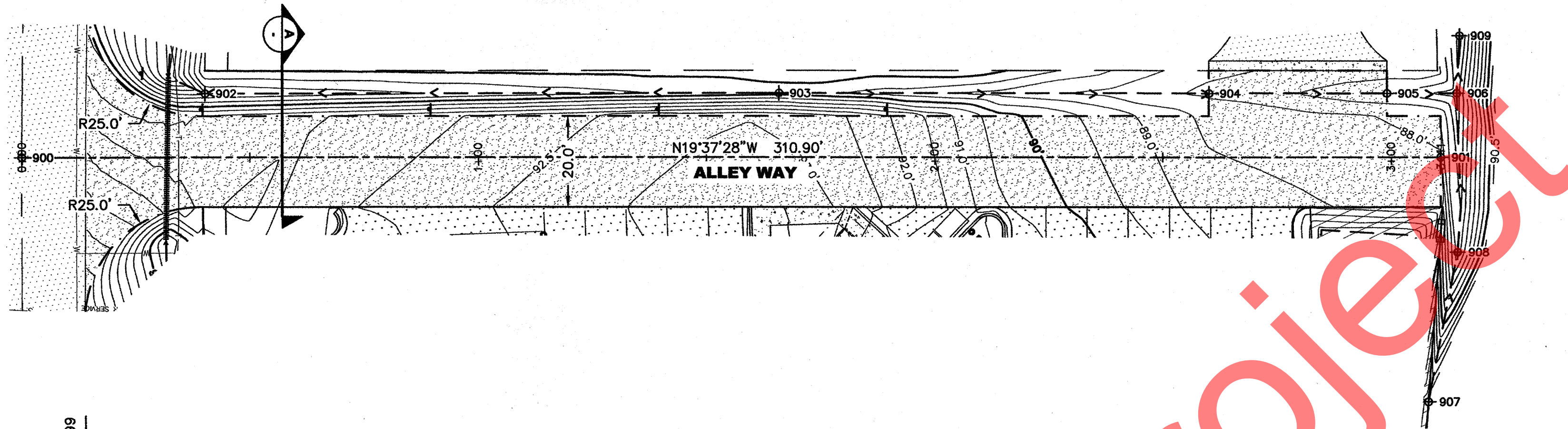
CLIENT: ROHDE & ASSOCIATES ARCHITECTS
OWNER'S SIGNATURE: ALLEN ROHDE, OWNER
ADDRESS: 11925 OLD GLENN HIGHWAY, EAGLE RIVER, AK 99577 (907) 686-2960

JOB NUMBER: 2010-1549
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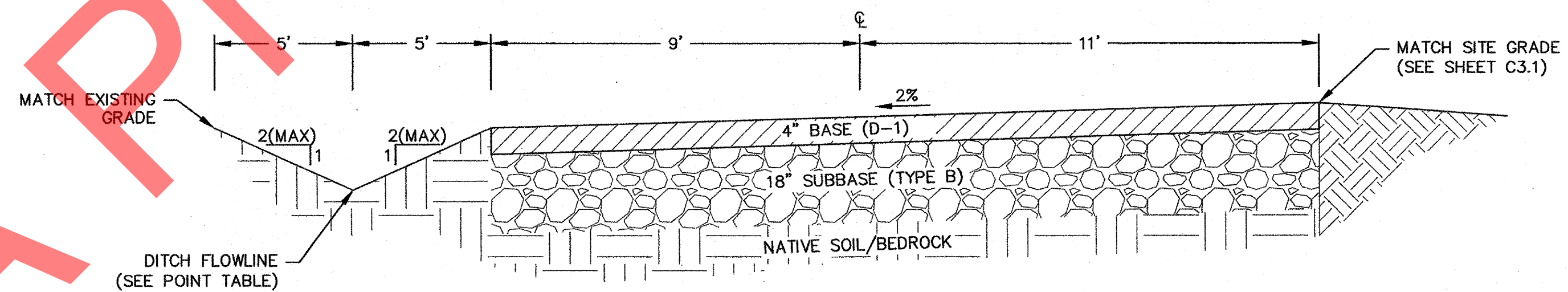
SCALE: AS SHOWN

NEAR ISLAND SENIOR HOUSING
DETAILS

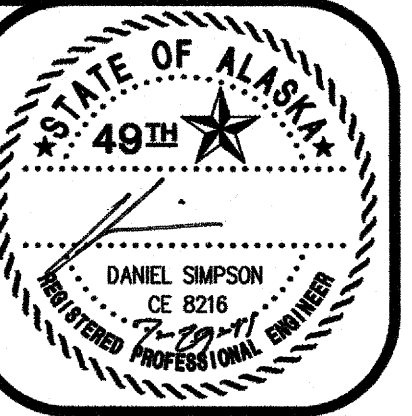




POINT TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
900	958.65	5003.05	92.49	CL ALLEY WAY STA 0+00
901	1251.49	4898.64	88.03	CL ALLEY WAY STA 3+10.9
902	991.78	4976.38	88.52	CL DITCH
903	1110.22	4934.07	89.80	CL DITCH
904	1198.96	4902.51	87.90	CL DITCH
905	1235.75	4889.39	87.12	CL DITCH
906	1250.08	4884.23	86.20	CL DITCH
907	1267.10	4950.76	92.96	CL DITCH
908	1262.00	4917.24	87.20	CL DITCH
909	1246.60	4872.54	85.75	CL DITCH



A SECTION - ALLEY WAY - STA 0+40 TO 3+10.9
SCALE: NTS



DATE: _____

REVISION: _____

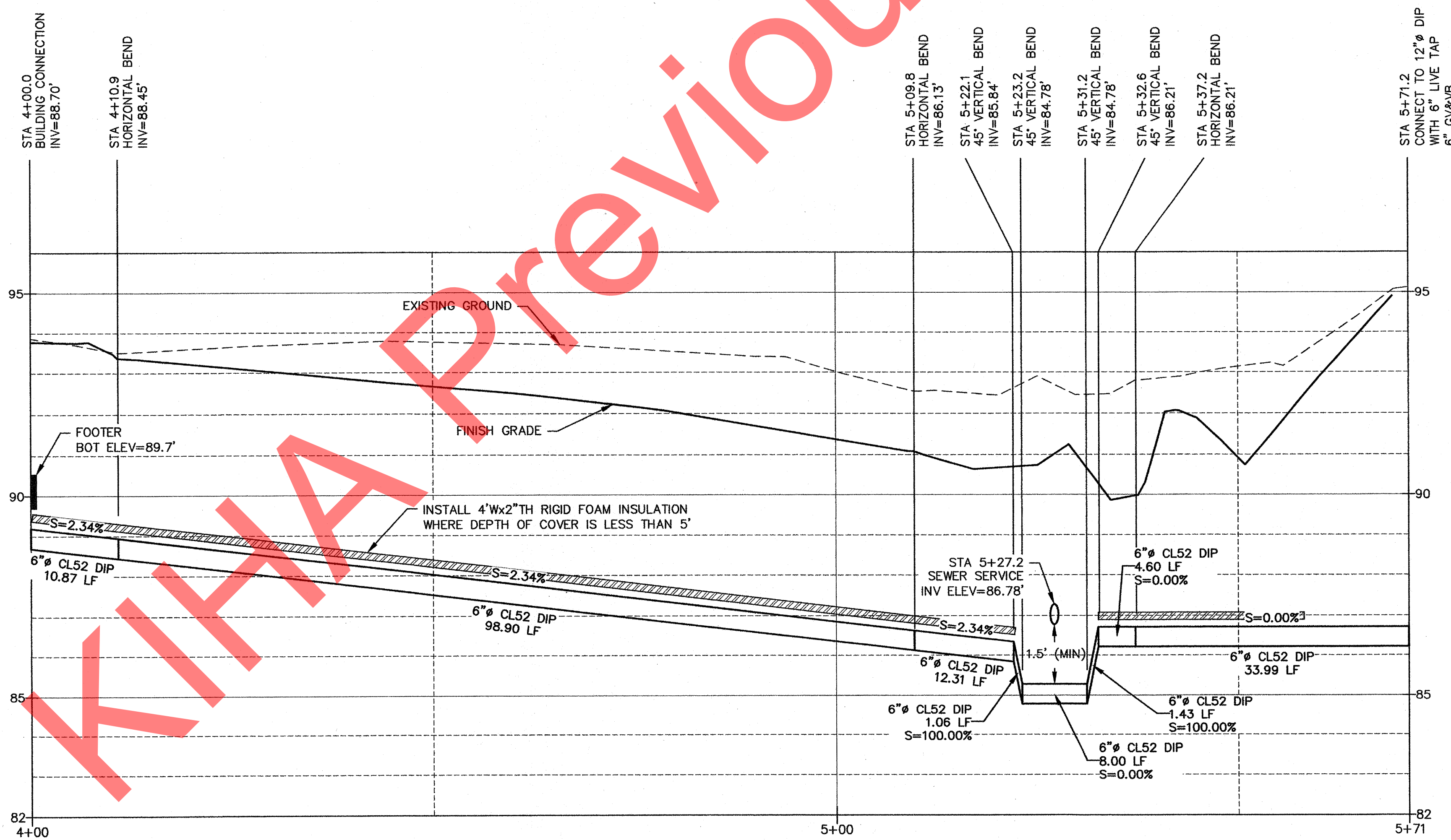
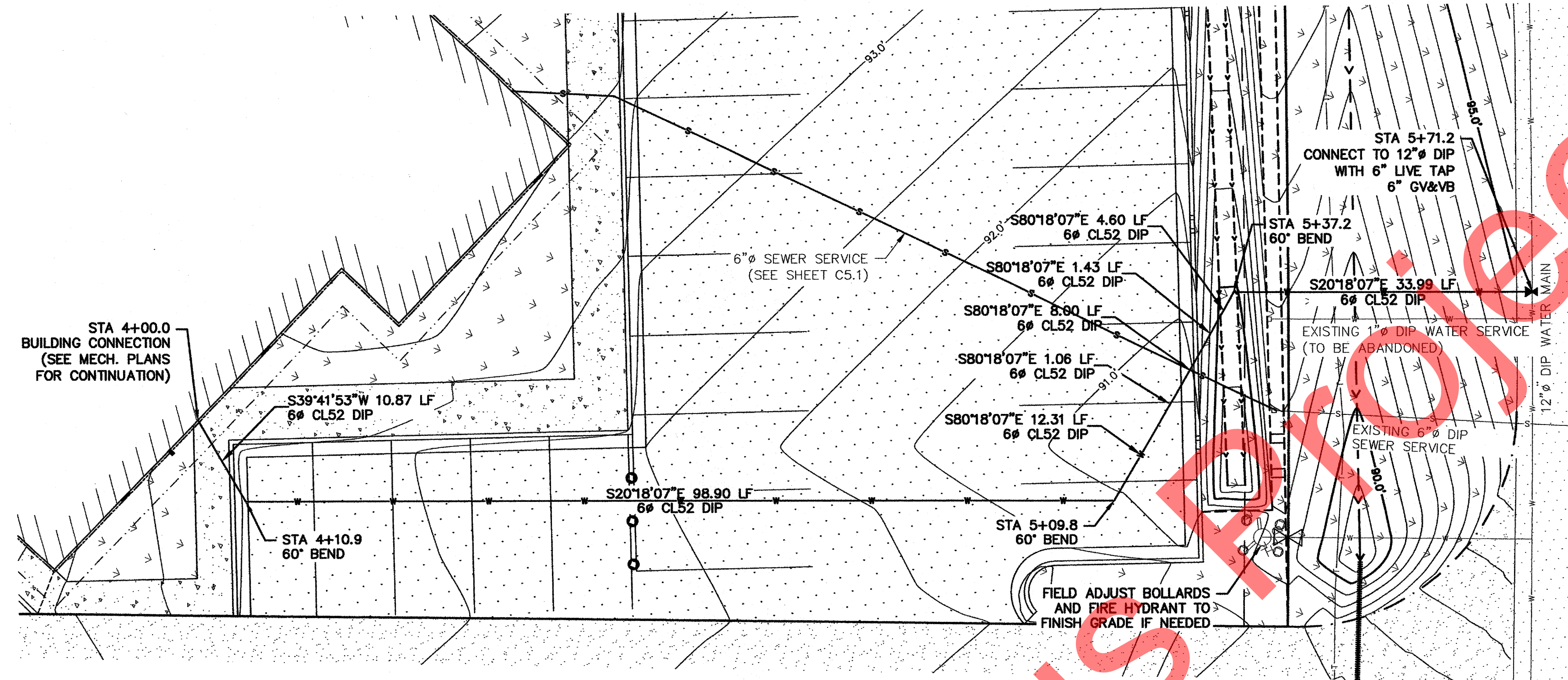
CLIENT: ROHDE & ASSOCIATES ARCHITECTS
 OWNER'S SIGNATURE: ALLEN ROHDE, OWNER
 ADDRESS: 11925 OLD GLENN HIGHWAY
 EAGLE RIVER, AK 99577 (907) 686-2960

JOB NUMBER: 2010-1548 DRAWN BY: MLG
 CHECKED BY: CLB DATE: 07/29/11
 SCALE: AS SHOWN FIELD BK.: 2010-01(P.14-16)

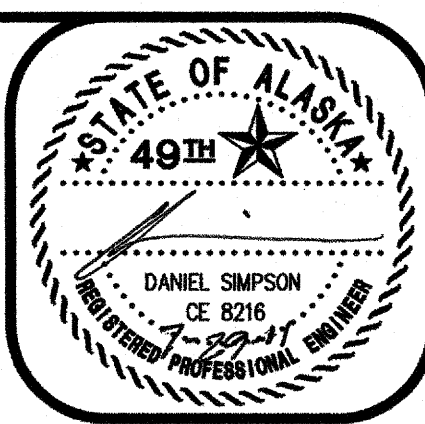
NEAR ISLAND SENIOR HOUSING
 ALLEY WAY
 PLAN AND PROFILE

F. Robert
 ASSOCIATES
 11925 OLD GLENN HIGHWAY
 EAGLE RIVER, AK 99577
 PHONE: (907) 686-2960

SHEET:
C4.0



WATER
 HORIZONTAL SCALE 1"=10'
 VERTICAL SCALE 1"=5'



DATE: _____

REVISION: _____

CLIENT: RODE & ASSOCIATES ARCHITECTS
 OWNER'S SIGNATURE: ALLEN RODE, OWNER
 ADDRESS: 11925 OLD GLENN HIGHWAY, EAGLE RIVER, AK 99577 (907) 696-2860

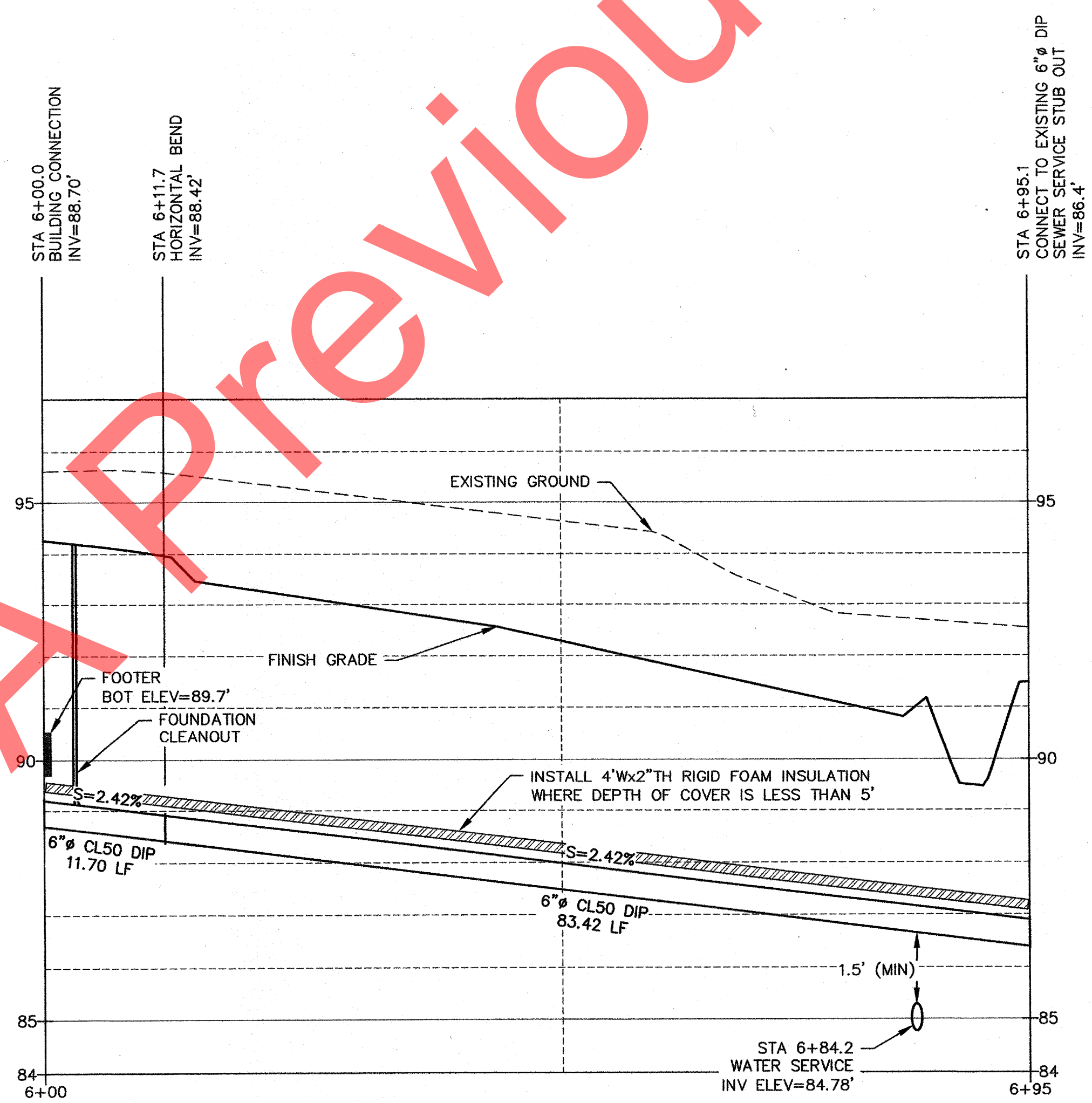
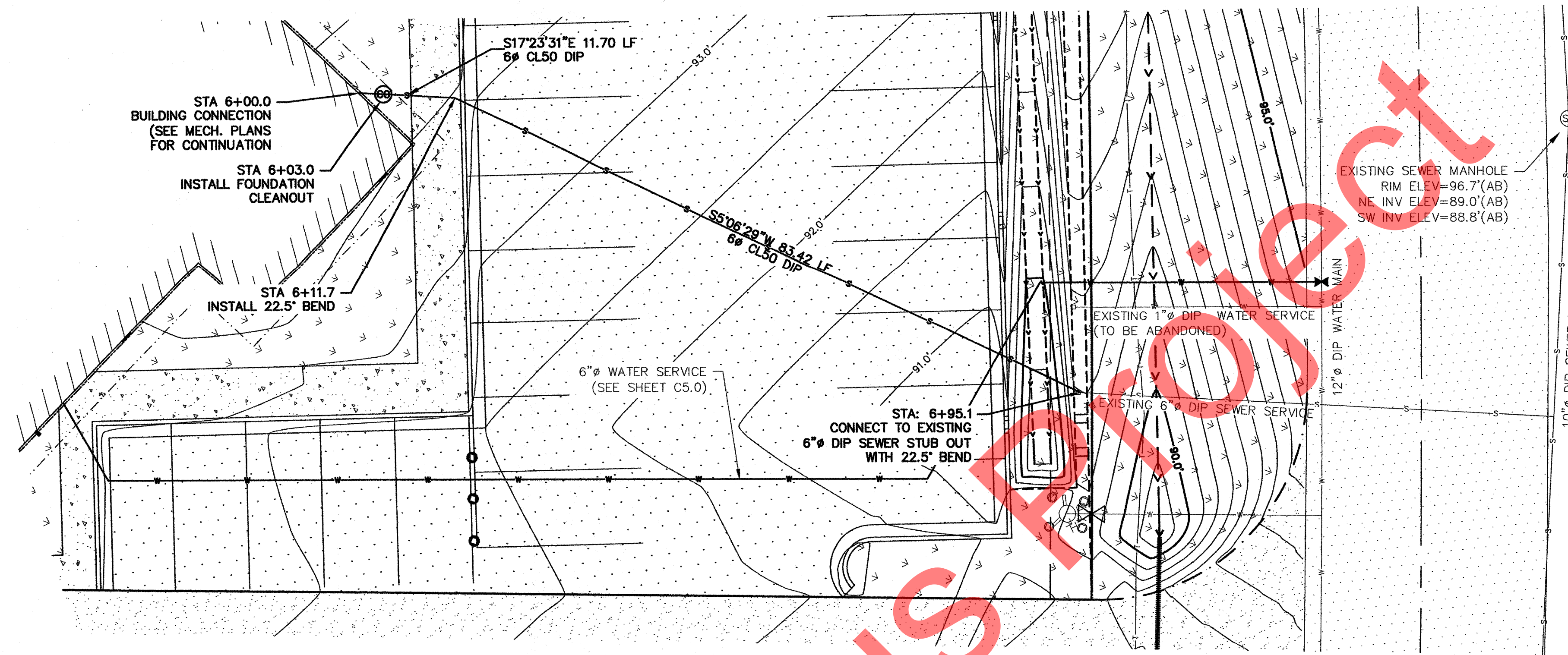
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DRAWN BY: MLG
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NEAR ISLAND SENIOR HOUSING

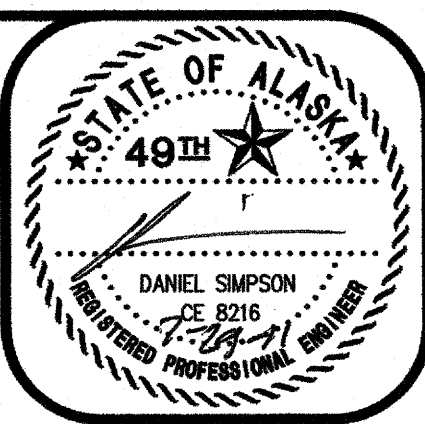
WATER SERVICE PLAN & PROFILE

SHEET:
C5.0



SANITARY SEWER
 HORIZONTAL SCALE 1"=10'
 VERTICAL SCALE 1"=5'

KITHA Previous



DATE: _____
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**NEAR ISLAND
 SENIOR HOUSING**
 SEWER SERVICE
 PLAN & PROFILE

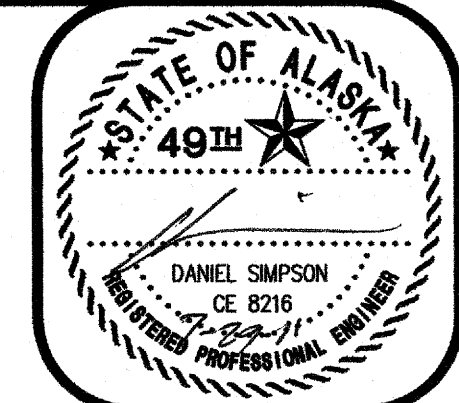
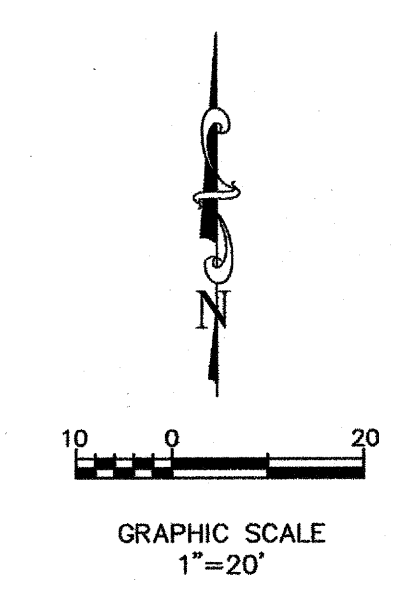
F. Robert
 ASSOC. INC.
 ENGINEERS AND LAND SURVEYORS
 1000 W. 10TH AVENUE, SUITE 100
 ANCHORAGE, ALASKA 99501-3128
 PHONE: (907) 551-2221

SHEET:
C5.1

U.S. SURVEY 1947

ALLEY WAY

KODIAK BUSINESS PARK SUBDIVISION



DATE: _____

REVISION: _____

LOT 3

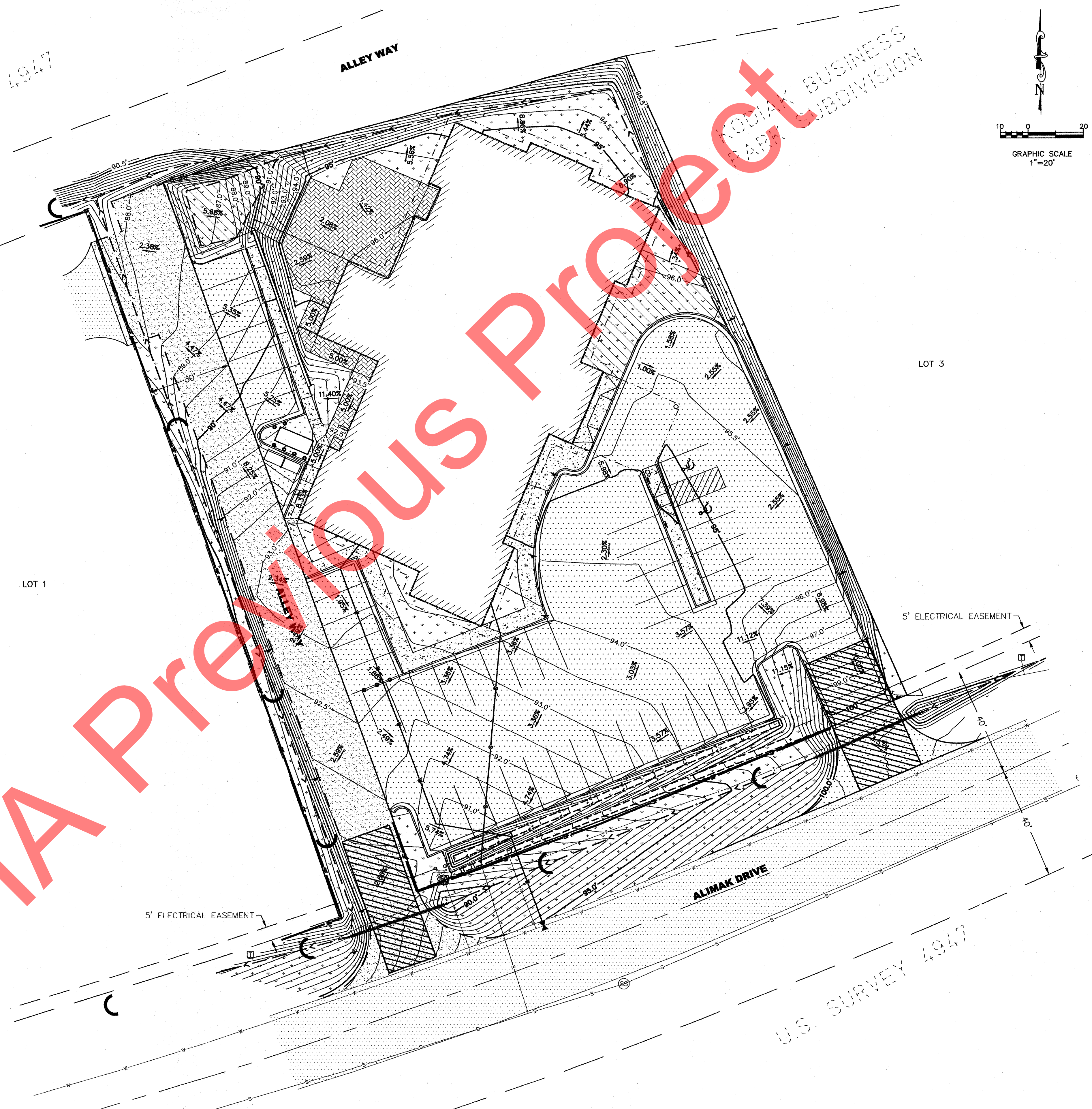
LOT 1

LEGEND

- SILT FENCE (SEE DETAIL 1, SHEET C6.0)
- CHECK DAM (SEE DETAIL 2, SHEET C6.0)
- DRAINAGE DIRECTION
- ROCK CONSTRUCTION ENTRANCE (SEE DETAIL 3, SHEET C6.0)

SEDIMENT CONTROL PLAN NOTES

1. THE FINAL DRAINAGE PATTERN WILL BE SIMILAR TO EXISTING, BUT WILL INCLUDE THE PAVED SURFACE AND BUILDING RUNOFF BEING CHANNЕLED TO THE EXISTING DITCH SYSTEM VIA SWALES ON THE NORTH AND SOUTH SIDES OF THE PROPERTY.
2. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND STANDARDS; IN ADDITION TO ALL RULES AND REGULATIONS OF THE CITY OF KODIAK.
3. ALL ORGANIC MATERIALS SHALL BE CLEARED/GRUBBED AND STORED IN APPROVED AREA(S) ON SITE OR HAULED TO APPROVED STORAGE LOCATION.
4. NON-ORGANIC MATERIAL FOUND ON SITE CAN BE USED AS SUBBASE MATERIAL FOR PADS AND DRIVEWAYS AFTER PROPER SCREENING AND APPROVAL FROM ENGINEER.
5. CLASSIFIED FILL WILL BE OBTAINED FROM AN APPROVED OFF-SITE LOCATION(S) AND USED AS BASE AND SUBBASE MATERIALS FOR PADS AND DRIVEWAYS.
6. ALL DISTURBED AREAS SHALL BE SEEDED OR VEGETATED UPON THE COMPLETION OF CONSTRUCTION TO PREVENT EROSION.
7. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL ALONG ALL HAUL ROUTES, AND SHALL IMPLEMENT APPROPRIATE ACTIONS TO MINIMIZE DUST AND TRACKING ONTO THE STREETS. ALL STREETS ARE TO BE KEPT CLEAR OF DIRT AND DEBRIS. STREETS SHALL BE SWEEPED IMMEDIATELY WHEN DIRT HAS BEEN TRACKED ONTO THE PAVED SURFACES. THE CONSTRUCTION SITE MATERIAL HAUL ROUTE SHALL BE INSPECTED DAILY. STREET SWEEPING SHALL BE PERFORMED BY CONTRACTOR PER C.O.K. STANDARDS.



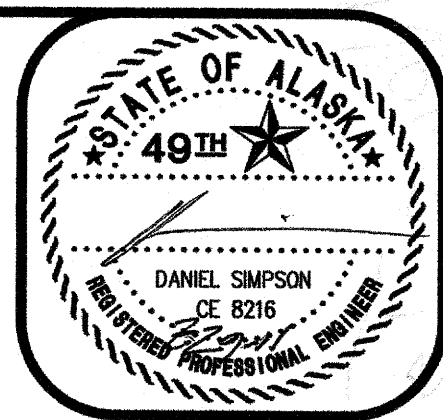
CLIENT: ROHDE & ASSOCIATES ARCHITECTS
 OWNER'S SIGNATURE: ALLEN ROHDE, OWNER
 ADDRESS: 11925 OLD GLENN HIGHWAY
 EAGLE RIVER, AK 99577 (907) 696-2960

JOB NUMBER: 2010-1549
 SCALE: AS SHOWN

DRAWN BY: MLG
 CHECKED BY: CLB
 DATE: 07/28/11
 FIELD BK.: 2010-01(P-14-18)

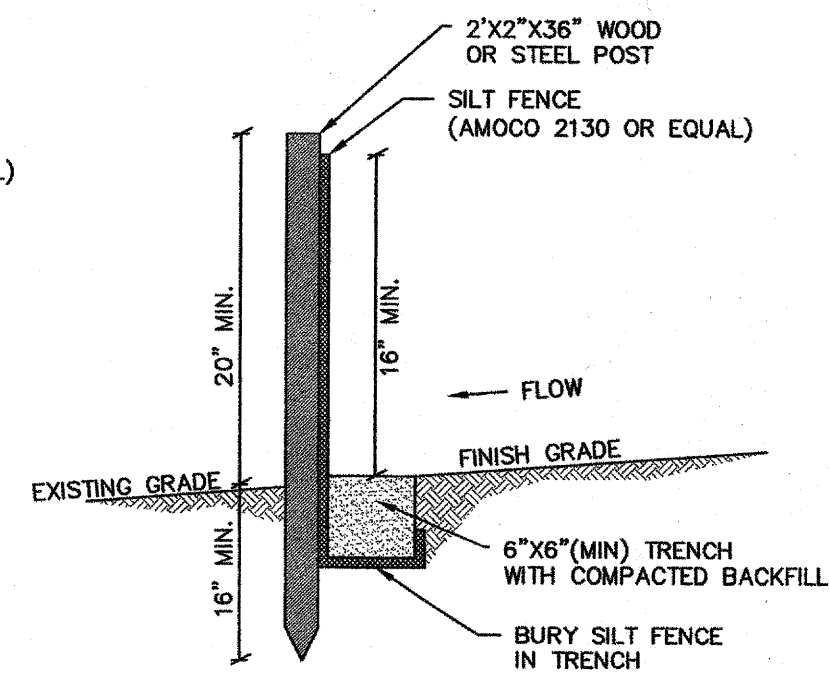
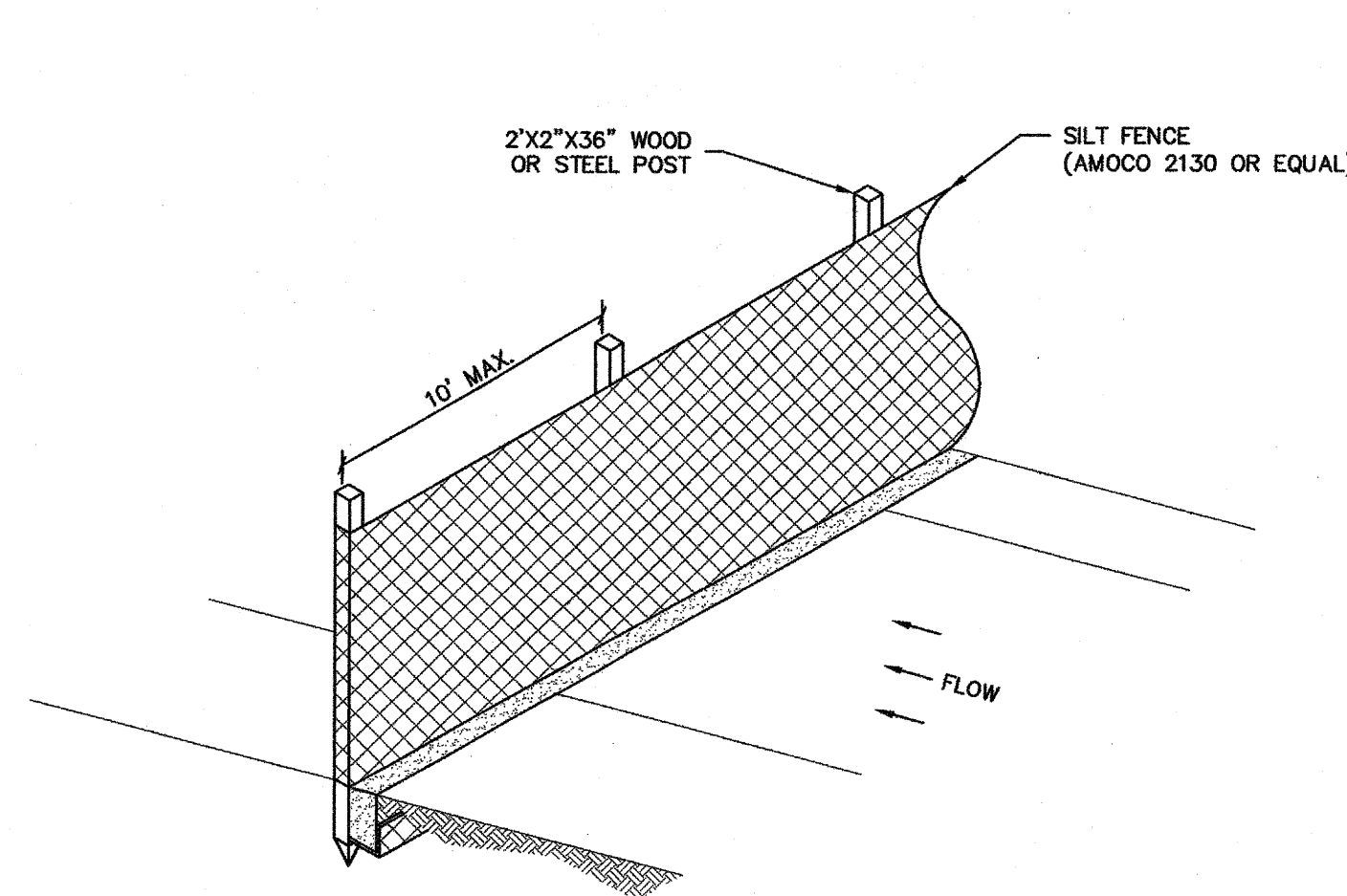
NEAR ISLAND SENIOR HOUSING
 EROSION AND SEDIMENT CONTROL PLAN

SHEET: **C6.0**

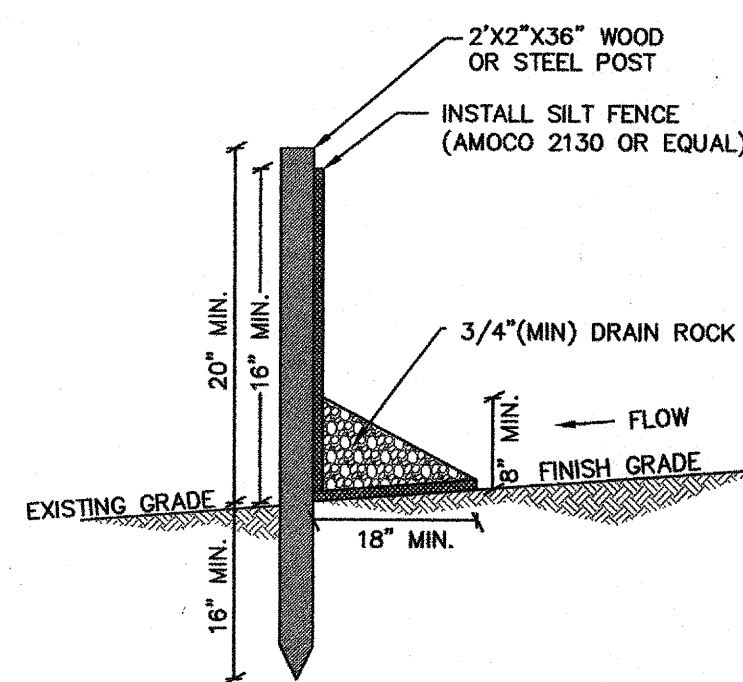


DATE: _____

REVISION: _____



INSTALLATION w/ TRENCH

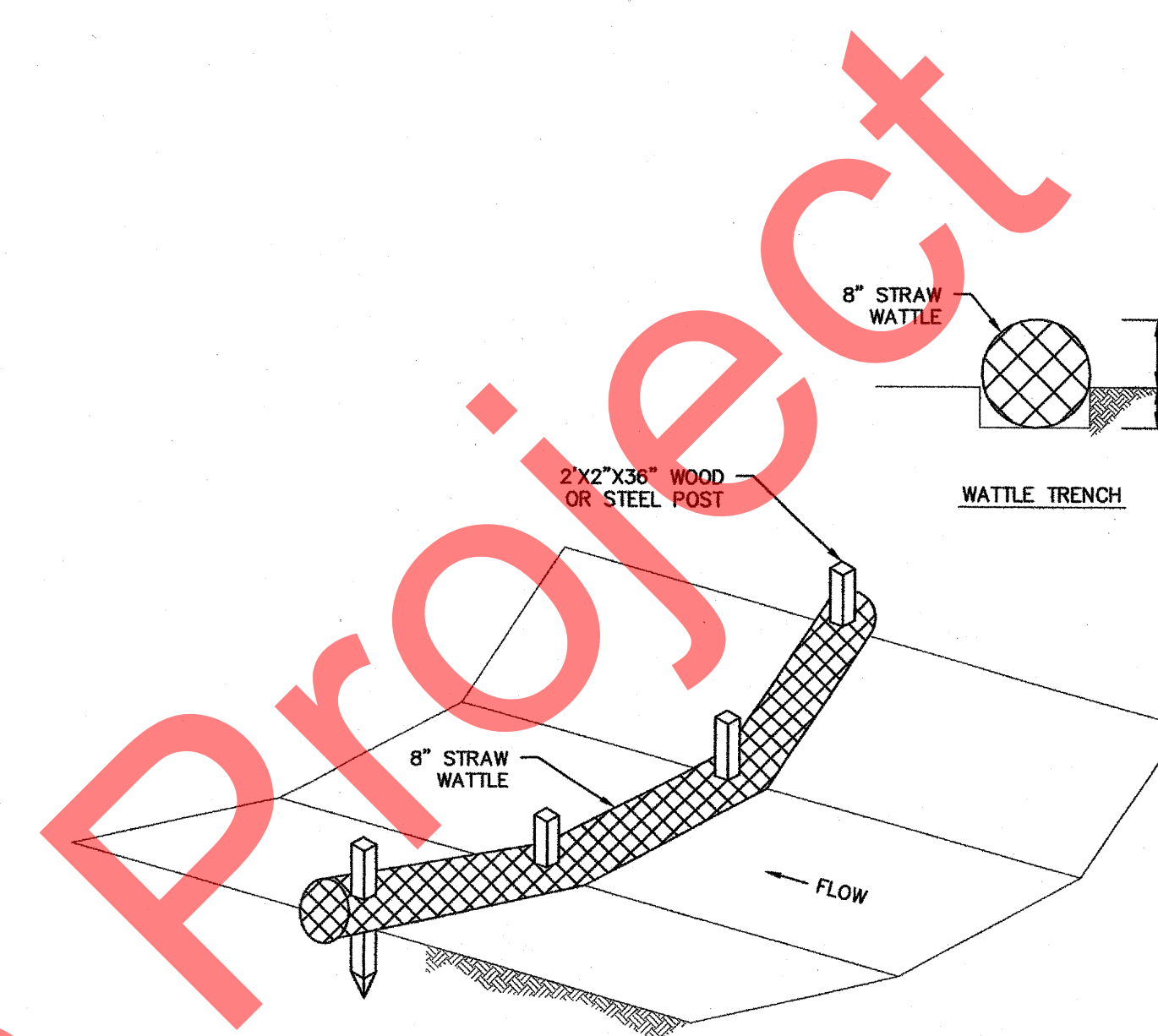


INSTALLATION w/o TRENCH

CONSTRUCTION NOTES:

1. SPACING OF WOOD FENCE POSTS NOT TO EXCEED 10'-0".
2. SILT FENCE SHALL BE INSTALLED BEFORE ANY EARTH REMOVAL OR EXCAVATION TAKES PLACE.
3. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO POSTS WITH WIRE TIES OR STAPLES AT TOP, MID-POINT AND BOTTOM.
4. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE. OVERLAP BY 6", FOLD AND STAPLE ADJOINING SECTIONS OF FILTER FABRIC.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED. ACCUMULATED SEDIMENT OR DEBRIS SHALL BE REMOVED BEFORE THE FENCE LOSES 30% OF ITS STORAGE CAPACITY OR WHENEVER "BULGES" DEVELOP.
6. DO NOT DEPOSIT MATERIAL NEAR WETLANDS OR WATERCOURSES.

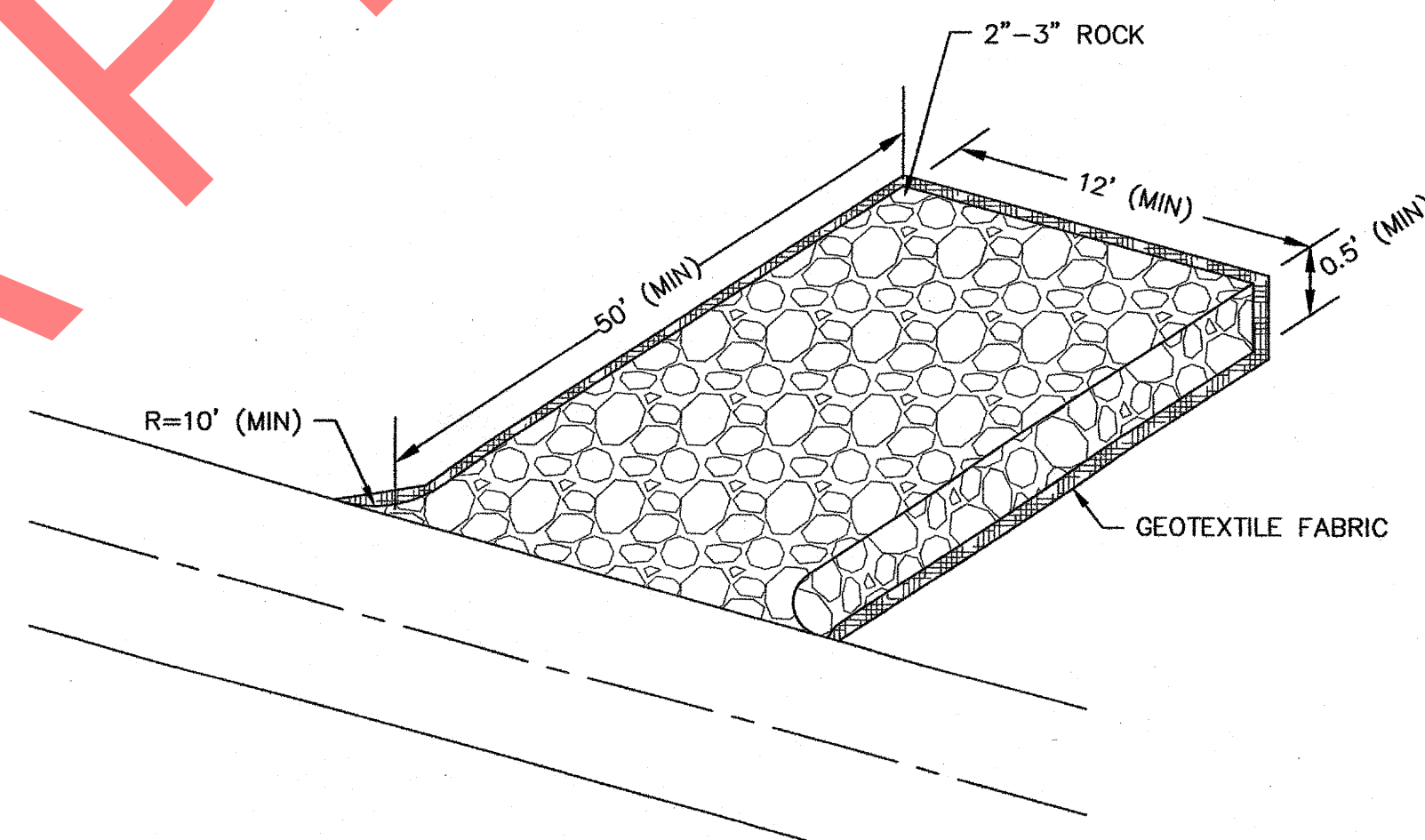
1 **DETAIL - SILT FENCE**
SCALE: NTS



NOTE:

1. STRAW WATTLES SHOULD BE PLACED IN A 3" TRENCH TO ENSURE SEDIMENT BLOCKAGE.
2. 2"x2" STAKES SHALL BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE. AT LEAST 3" OF STAKE MUST BE LEFT PROTRUDING ABOVE THE WATTLE.
3. INSTALL EVERY 50', OR AS NEEDED, IN DITCHES.
4. CHECK DAMS TO BE MAINTAINED UNTIL VEGETATION IS IN PLACE TO STABILIZE SLOPES AND REDUCE SEDIMENT DISCHARGES.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED TO KEEP CHECK DAMS IN EFFECTIVE OPERATING CONDITION. ACCUMULATED SEDIMENT OR DEBRIS SHALL BE REMOVED BEFORE THE CHECK DAM LOSES 50% OF ITS STORAGE CAPACITY.
6. WATTLES THAT ARE DAMAGED OR UNDERCUT SHALL BE REPAIRED OR REPLACED AS SOON AS POSSIBLE.

2 **DETAIL - STRAW WATTLE CHECK DAM**
SCALE: NTS



3 **DETAIL - ROCK CONSTRUCTION ENTRANCE**
SCALE: NTS

KITHA Previous Project

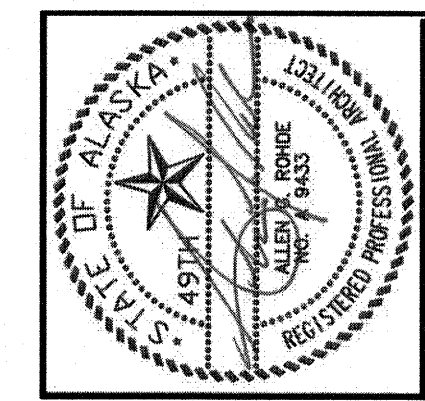
CLIENT: ROHDE & ASSOCIATES ARCHITECTS
OWNER'S SIGNATURE: ALLEN ROHDE, OWNER
ADDRESS: 11925 OLD GLENN HIGHWAY
EAGLE RIVER, AK 99577 (907) 886-2960

JOB NUMBER: 2010-1549
SCALE: AS SHOWN

DRAWN BY: M/G
CHECKED BY: CLB
DATE: 07/29/11
FIELD BK.: 2010-01(P-14-18)

**NEAR ISLAND
SENIOR HOUSING
EROSION AND SEDIMENT
CONTROL DETAILS**

SHEET:
C6.1



Rohde
 ASSOCIATES ARCHITECTS
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 696-2960 fax (907) 696-2962
 rohde@rohdeandassociatesinc.com

NEAR ISLAND SENIOR HOUSING
 182 ALIMAK DRIVE
 KODIAK, ALASKA

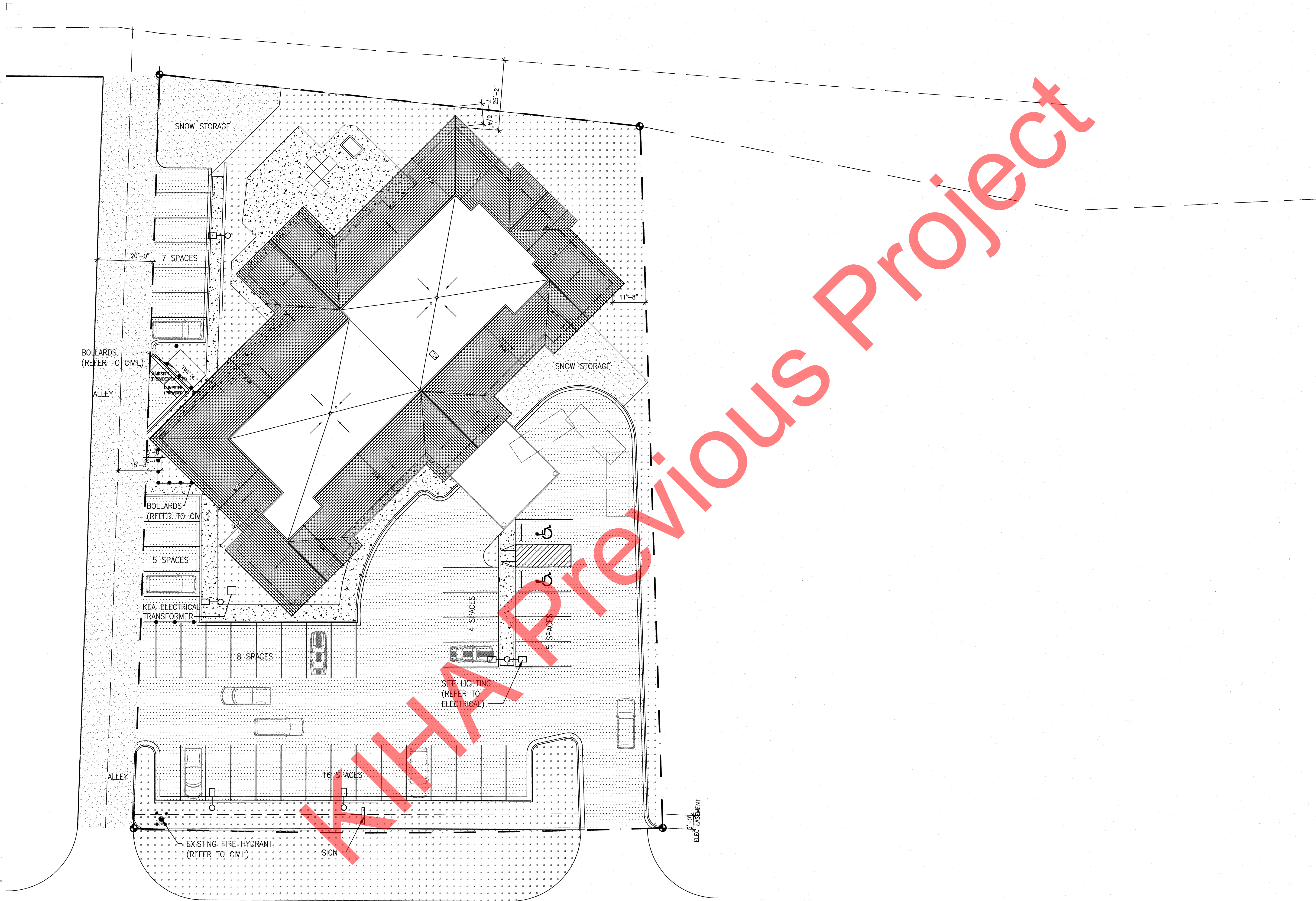
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1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

JOB NO.	1002
DATE	March 11, 2011
DRAWN	MFW
REVIEWED	AGR

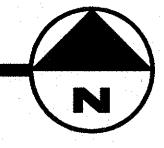
SHEET TITLE:
 SITE PLAN

SHEET NO.
CC1.0

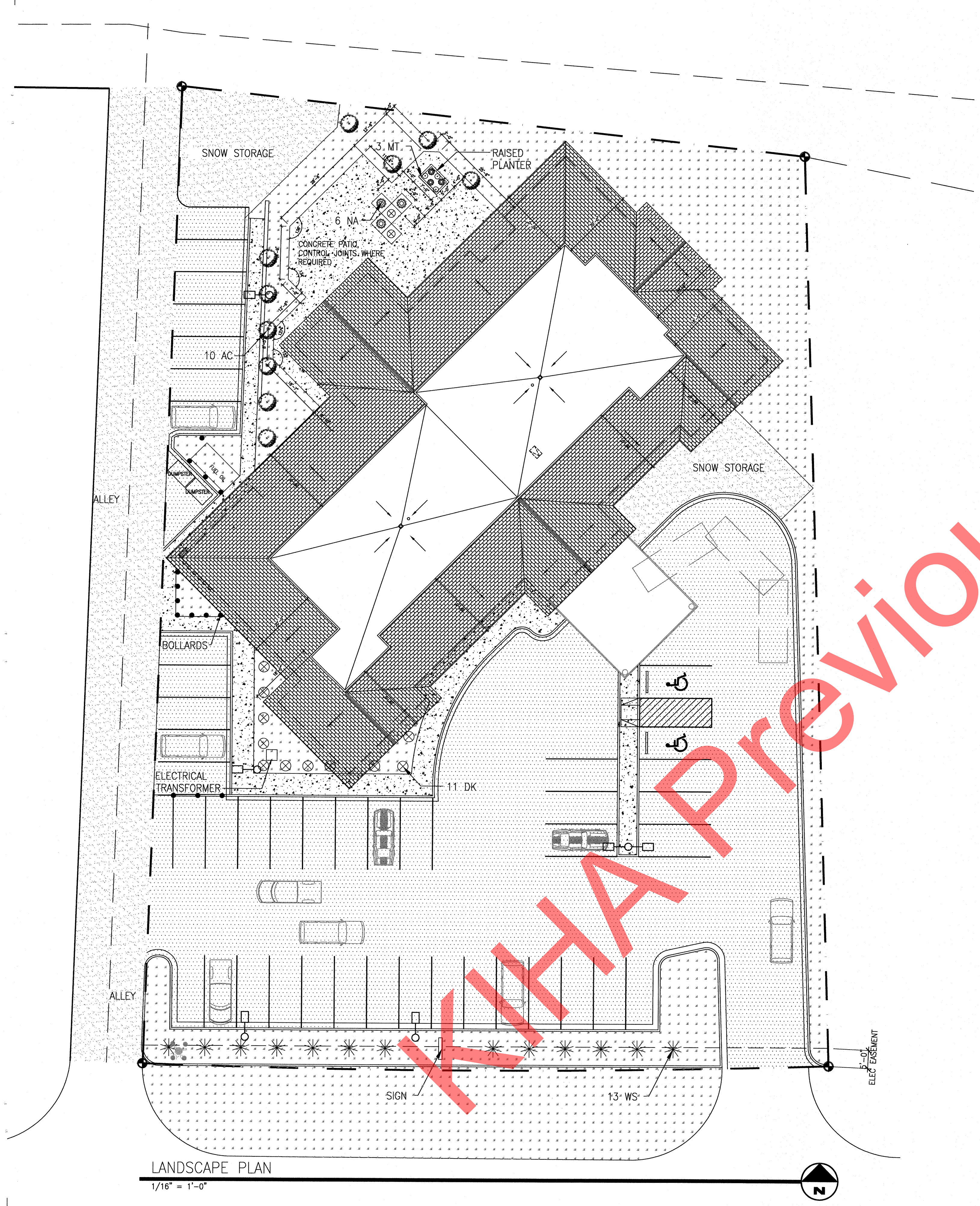
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SITE PLAN
 1/16" = 1'-0"

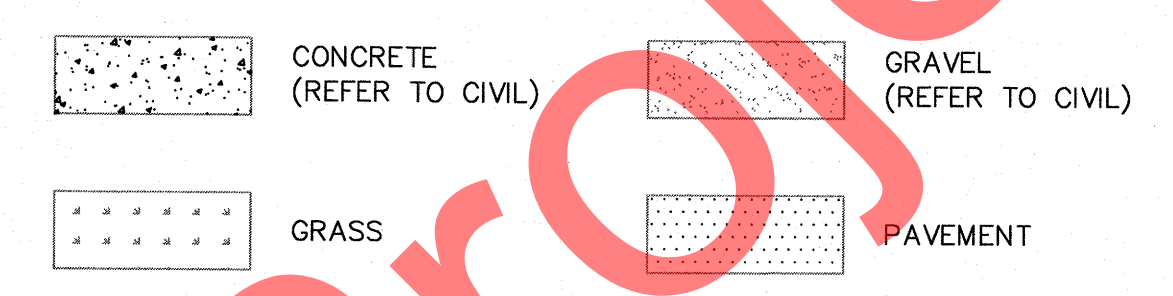


PREVIOUS PROJECT



LANDSCAPE PLAN
1/16" = 1'-0"

- LANDSCAPE NOTES:**
1. REMOVE EXISTING GRASS, WEEDS, AND NATIVE VEGETATION INCLUDING ROOTS.
 2. PROVIDE A UNIFORM FLAT PREPARED SURFACE 4" BELOW THE TOP OF ADJACENT CURBS, PAVING, OR EDGING FOR LANDSCAPE BEDS.
 3. USE COMMERCIAL GRADE LANDSCAPE FABRIC. FABRIC SHALL BE CONTINUOUS FROM EDGE TO EDGE. IF MULTIPLE LENGTHS ARE REQUIRED, LAP EDGES 12" MINIMUM.
 4. LANDSCAPE FABRIC SHALL BE CONTINUOUS OVER ROOT BALLS OF TREES AND SHRUBS.
 5. ALL TREES SHALL BE STAKED AND WIRED IMMEDIATELY AFTER PLANTING.
 6. WATER ALL TREES & SHRUBS SAME DAY PLANTED.
 7. GRASS AREAS SHALL RECEIVE MINIMUM 2" TOPSOIL AND GRASS SEED OR SOD.
 8. DO NOT PLANT TREES OR SHRUBS WITHIN 5'-0" OF PAD MOUNTED TRANSFORMER.

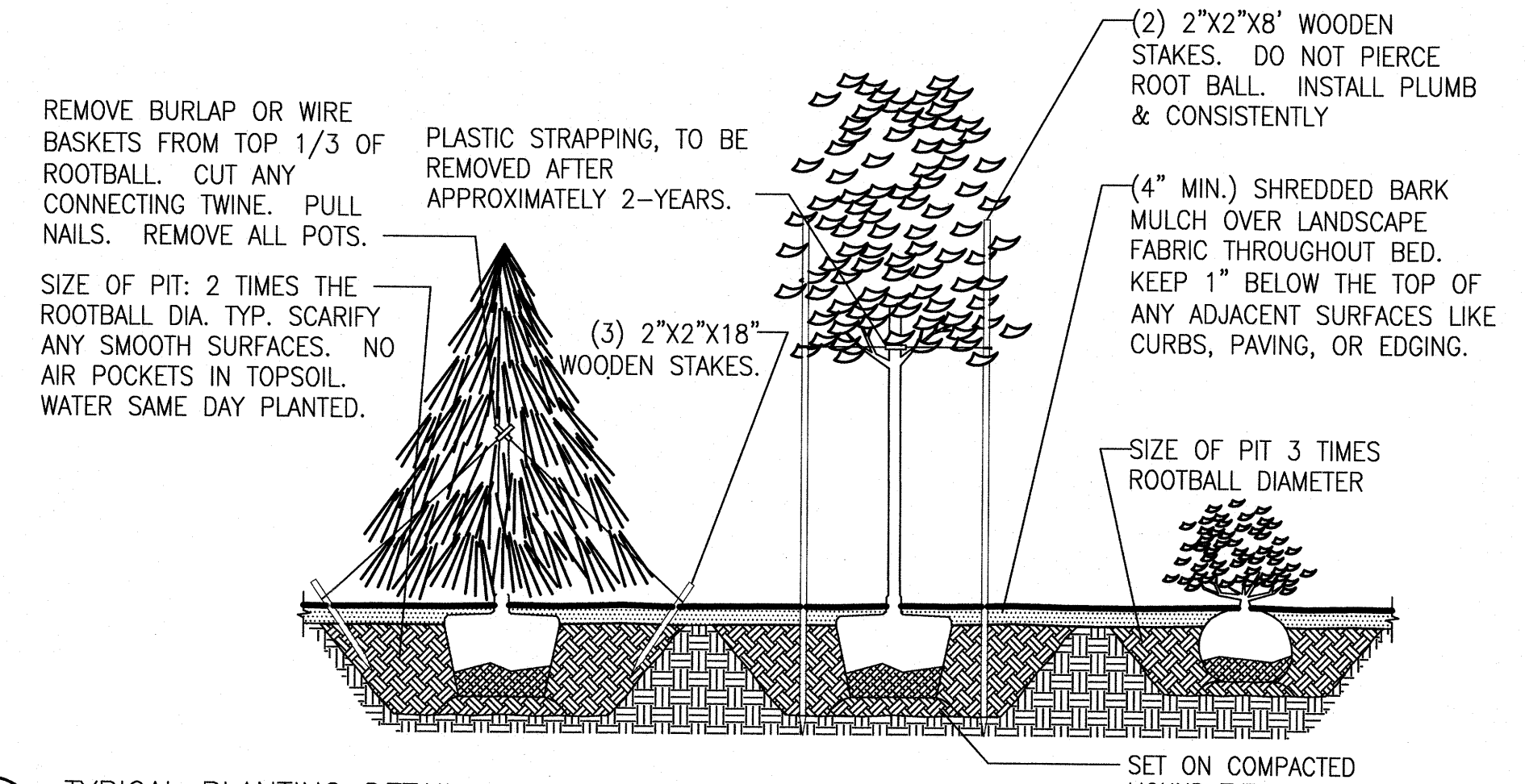


1
LS1.0
N.T.S.

PLANT LEGEND

QTY	SYMBOL	COMMON NAME	BOTANICAL NAME	NOTES
TREES				
3	BP	Paperbark birch	Betula papyrifera	8' min. ht & 1-1/2" cal min.
0	PC	Prairiefire Crabapple	Malus 'prairiefire'	8' min. ht & 1-1/2" cal min.
13	WS	White Spruce	Picea glauca	5:3 ht spd ratio 6' min. ht
0	GS	Green Spruce	Picea pungens	5:3 ht spd ratio 6' min. ht
10	AC	Amur Chokecherry	Prunus mackii	8' min. ht & 1-1/2" cal min
SHRUBS				
0	DS	Dwarf Alberta Spruce	Picea Glauca 'Conica'	42" min. ht. / 5:3 spread
0	CM	Columnar Mugo	Pinus Mugo 'Columnaris'	18" min. ht. / 2'-0" spread
6	NA	Northern Hi-Lights Azalea	Rhododendron 'Northern Hi-Lights'	24" min. ht. / 5'-0" spread
3	MT	Mango Tango Potentilla	Potentilla Fruticosa 'UMan'	24" min. ht. / 2'-0" spread
0	PB	Pink Beauty Potentilla	Potentilla Fruticosa 'Pink Beauty'	24" min. ht. / 2'-0" spread
11	DK	Dwarf Korean Lilac	Syringa Meyeri 'Palibin'	36" min. ht. / 5'-0" spread

2
LS1.0
1" = 20'-0"



3
LS1.0
N.T.S.

TYPICAL PLANTING DETAIL

NEAR ISLAND SENIOR HOUSING
182 ALIMAK DRIVE
KODIAK, ALASKA

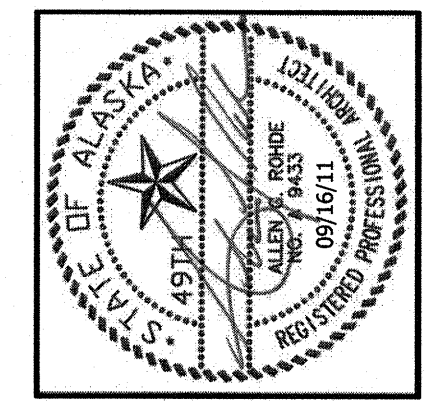
NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

JOB NO.	1002
DATE	March 11, 2011
DRAWN	MFV
REVIEWED	AGR

SHEET TITLE:
LANDSCAPE PLAN

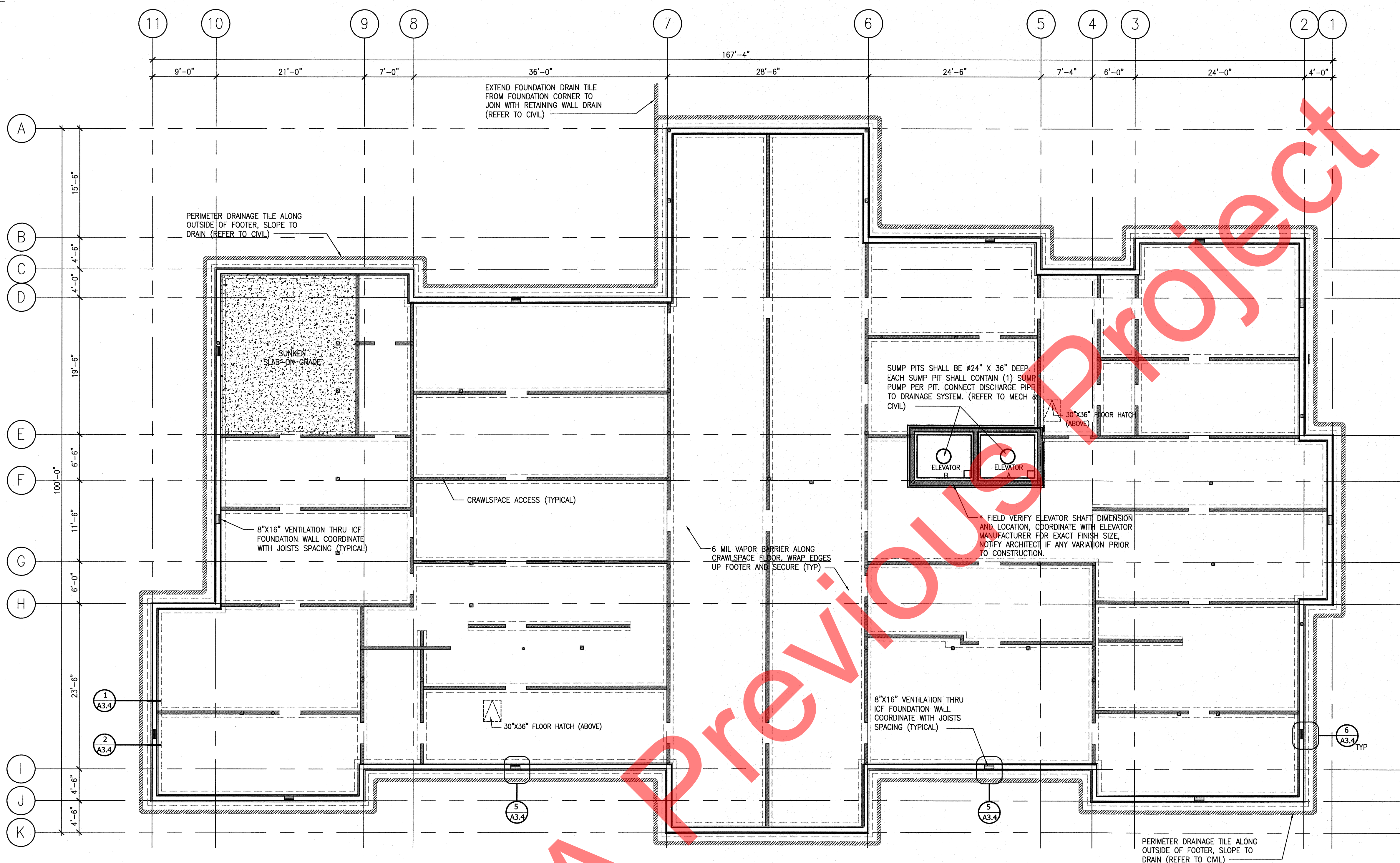
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Rohde
 ASSOCIATES ARCHITECTS
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907)696-2960 fax (907)696-2962
 arohde@rohdeandassociatesinc.com

NEAR ISLAND SENIOR HOUSING
 182 ALIMAK DRIVE
 KODIAK, ALASKA



- NOTES:**
1. PROVIDE 1-HR RATED CRAWLSPACE ACCESS IN EACH OF THE DIVIDER WALLS IN THE CRAWL SPACE SO ALL AREAS ARE ACCESSIBLE. ACCESS OPENING SERVES TWO FUNCTIONS: ACCESS TO ALL SPACES, AND CROSS VENTILATION OF THE CRAWLSPACE.
 2. A THERMAL BARRIER IS REQUIRED ON ALL EXPOSED SURFACES ON THE INSIDE OF INSULATED CONCRETE FORMS. 1/4" (MIN) PLYWOOD OR 3/8" (MIN) EXTERIOR GYPSUM BOARD ARE APPROVED MATERIALS TO BE MECHANICALLY ATTACHED TO THE INSIDE OF THE INSULATED CONCRETE FORM.
 3. ALL PONY WALLS IN CRAWLSPACE ARE REQUIRED TO BE 1-HOUR RATED. ALL PONY WALLS ARE SIMILAR TO V3X WITHOUT BATT INSULATION.
 4. FOUNDATION WATERPROOFING REQUIRED AT ALL EXTERIOR FOUNDATION WALLS. (REFER TO 4/A3.4)

Reviewed for Code Compliance
 City of Kodiak
 Building Department
 Date: 3/22/12
 Reviewed By: [Signature]

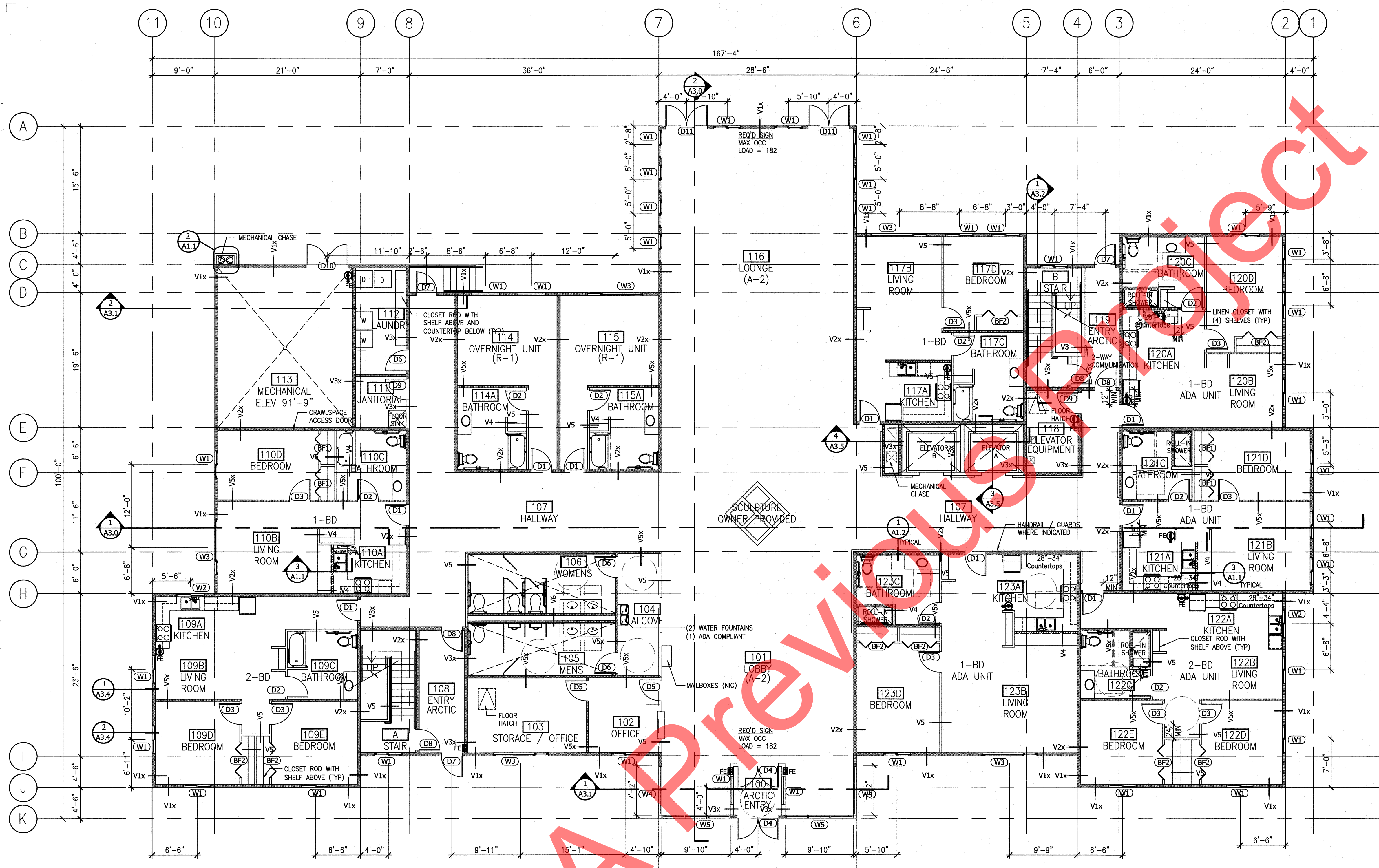
FOUNDATION PLAN
 1/8" = 1'-0"

NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

JOB NO. 1002
 DATE March 11, 2011
 DRAWN MFW
 REVIEWED AGR

SHEET TITLE:
 FOUNDATION PLAN

SHEET NO.
A0.0

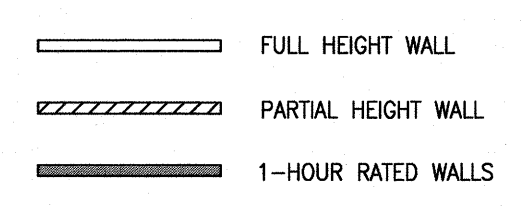


FOR FIRST FLOOR PARTIAL ENLARGED PLANS AND INTERIOR ELEVATIONS REFERENCE:

ROOM #	REF. DETAIL
104	1/A4.2
105	1/A4.2
106	1/A4.2
109A	5/A4.3
109C	7/A4.2
110A	7/A4.3
110C	7/A4.2
114A	7/A4.2
115A	7/A4.2
117A	9/A4.3
117C	7/A4.2
120A	1/A4.4
120C	5/A4.2
121A	3/A4.4
121C	5/A4.2
122A	5/A4.4
122C	5/A4.2
123A	7/A4.4
123C	5/A4.2

1ST FLOOR PLAN
1/8" = 1'-0"

NOTES:
 1. ALL ADA LIVING UNITS TO MEET OR EXCEED ANSI 117.1 AND ADAAG MOST CURRENT EDITIONS.
 2. PROVIDE CONTINUOUS BLOCKING @ ALL APARTMENT UNIT BATHROOMS AND KITCHENS.
 3. PROVIDE FIRE BLOCKING AND DRAFTSTOPPING IN ACCORDANCE WITH IBC 2006 SECT. 717.



VERTICAL ASSEMBLIES: REFER TO STRUCTURAL SHEAR SCHEDULE FOR STRUCTURAL SHEATHING REQUIREMENTS

V1x EXTERIOR WALL - 1HR
STC = 45+ GA FILE NO. WP 8105
(1) LAYER 5/8" TYPE "X" GYPSUM BOARD
STRUCTURAL SHEATHING (REFER SHEAR SCH)
6 MIL VAPOR BARRIER (INTERIOR SIDE)
R-21 BATT INSULATION
STRUCTURAL SHEATHING (REFER SHEAR SCH)
AIR BARRIER
INSULATED SIDING OR SIMULATED STONE

V2x INTERIOR WALL - 1HR
STC = 52+ GA FILE NO. WP 3380
(1) LAYER 5/8" TYPE "X" GYPSUM BOARD
2X4 WOOD STUDS @ 16" O.C. (STAGGERED)
SOUND BATT INSULATION
(1) LAYER 5/8" TYPE "X" GYPSUM BOARD
SEAL ALL PENETRATIONS AND EDGES TO ACHIEVE THE HIGHEST STC VALUES AND MAINTAIN THE FIRE RATING.

V3x INTERIOR WALL - 1HR
STC = 41+ GA FILE NO. WP 3514
(1) LAYER 5/8" TYPE "X" GYPSUM BOARD
2X4 WOOD STUDS @ 16" O.C.
(1) LAYER 5/8" TYPE "X" GYPSUM BOARD

V4x 1-HR, SAME ASSEMBLY AS V5 ABOVE, PROVIDE 5/8" TYPE "X" GYPSUM AND FIRE-SEAL ALL PENETRATIONS (GA FILE NO. WP 3514)

V4a 1/2" PLYWOOD IN LIEU OF GYPSUM BOARD BOTH SIDES

V4 INTERIOR WALL
(1) LAYER 5/8" GYPSUM BOARD
2X4 WOOD STUDS @ 16" O.C.
SOUND BATT INSULATION
(1) LAYER 5/8" GYPSUM BOARD

V5x 1-HR, SAME ASSEMBLY AS V5 ABOVE, PROVIDE 5/8" TYPE "X" GYPSUM AND FIRE-SEAL ALL PENETRATIONS (GA FILE NO. WP 3514)

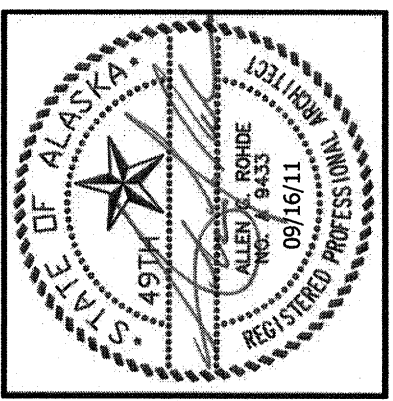
V5a 1/2" PLYWOOD IN LIEU OF GYPSUM BOARD (EXTERIOR)

V5 INTERIOR WALL
PROVIDE FIRE BLOCKING VERTICALLY AT CEILING AND FLOOR LEVELS, AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10'-0"
F.R.P. TO 48" A.F.F.
(1) LAYER 5/8" GYPSUM BOARD
2X4 WOOD STUDS @ 16" O.C.
SOUND BATT INSULATION
AIR SPACE
2X4 WOOD STUDS @ 16" O.C.
(1) LAYER 5/8" GYPSUM BOARD
F.R.P. TO 48" A.F.F.

V6 INTERIOR WALL
(1) LAYER 5/8" GYPSUM BOARD
5-1/2" STEEL STUDS @ 16" O.C.
SOUND BATT INSULATION
(1) LAYER 5/8" GYPSUM BOARD

V7 INTERIOR WALL (NON-COMBUSTIBLE)

V8 INTERIOR WALL (NON-COMBUSTIBLE)
(1) LAYER 5/8" GYPSUM BOARD
3-5/8" STEEL STUDS @ 16" O.C.
SOUND BATT INSULATION
(1) LAYER 5/8" GYPSUM BOARD



Rodde ASSOCIATES ARCHITECTS
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
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 ar.rodde@roddeassociatesinc.com

NEAR ISLAND SENIOR HOUSING
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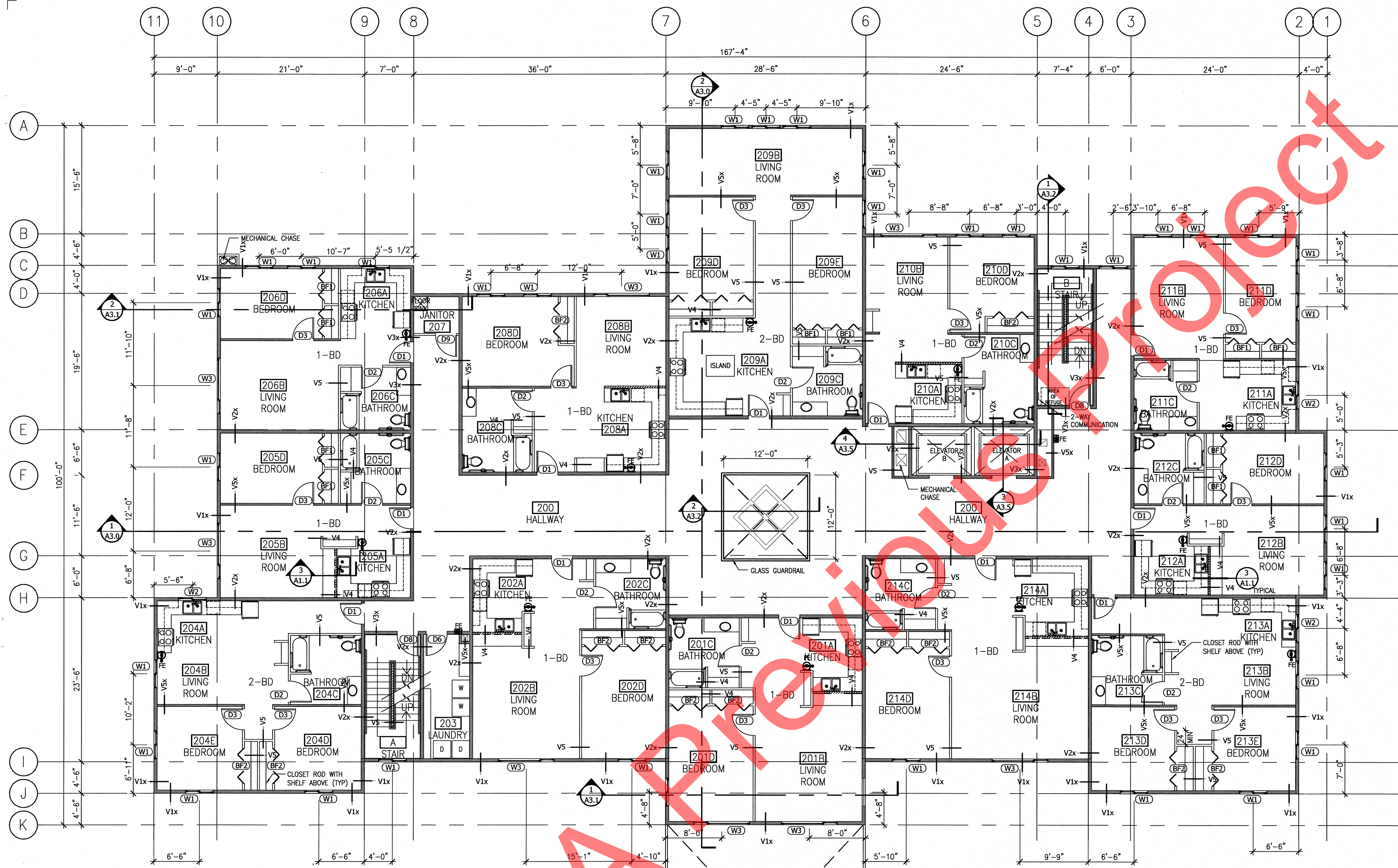
NO.	REVISION	DATE
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JOB NO. 1002
 DATE March 11, 2011
 DRAWN MFW
 REVIEWED AGR

SHEET TITLE:
 FIRST FLOOR PLAN

SHEET NO.
A1.0

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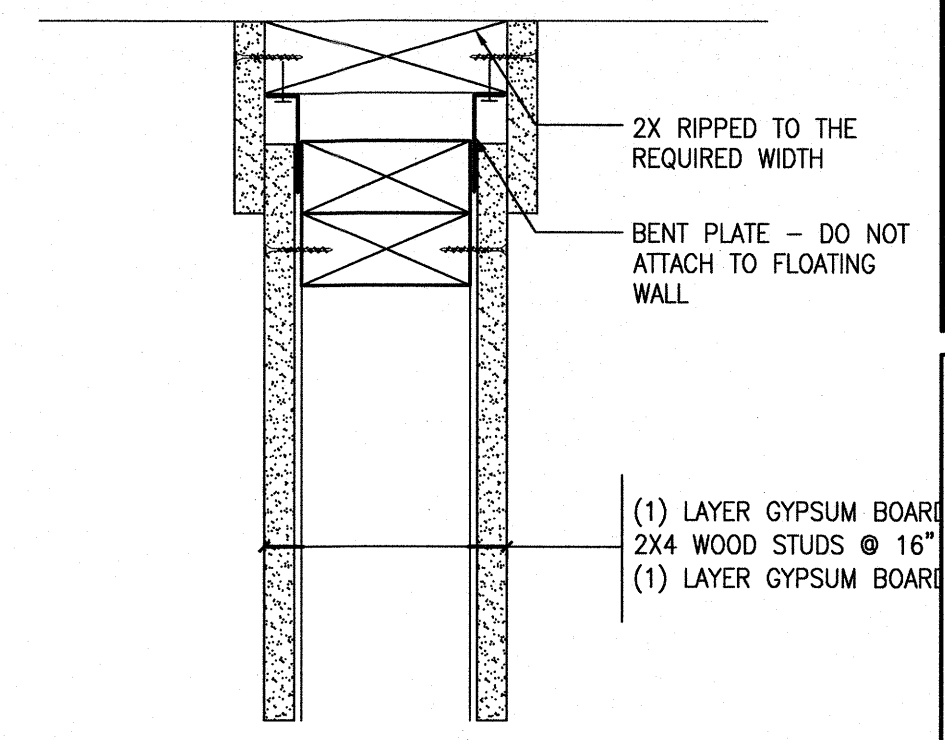
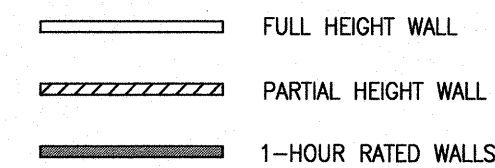
FOR SECOND FLOOR PARTIAL ENLARGED PLANS AND INTERIOR ELEVATIONS REFERENCE:

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201C	7/A4.2
202A	7/A4.3
202C	7/A4.2
204A	5/A4.3
204C	7/A4.2
205A	7/A4.3
205C	7/A4.2
206A	1/A4.5
206C	7/A4.2
208A	3/A4.5
208C	7/A4.2
209A	5/A4.5
209C	7/A4.2
210A	9/A4.3
210C	7/A4.2
211A	7/A4.5
211C	7/A4.2
212A	3/A4.4
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213A	5/A4.4
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214A	7/A4.4
214C	7/A4.2

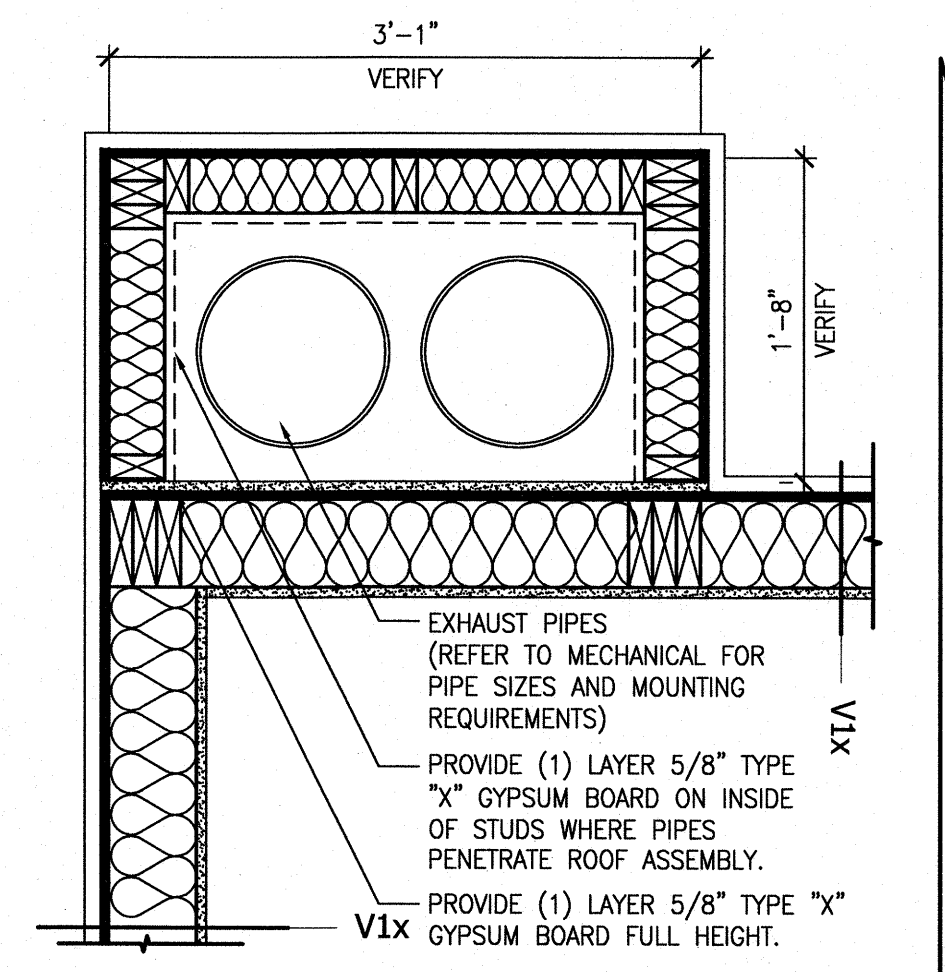
2ND FLOOR PLAN

1/8" = 1'-0"

- NOTES:
- ALL ADA LIVING UNITS TO MEET OR EXCEED ANSI 117.1 AND ADAAG MOST CURRENT EDITIONS.
 - PROVIDE CONTINUOUS BLOCKING @ ALL APARTMENT UNIT BATHROOMS AND KITCHENS.
 - PROVIDE FIRE BLOCKING AND DRAFTSTOPPING IN ACCORDANCE WITH IBC 2006 SECT. 717.

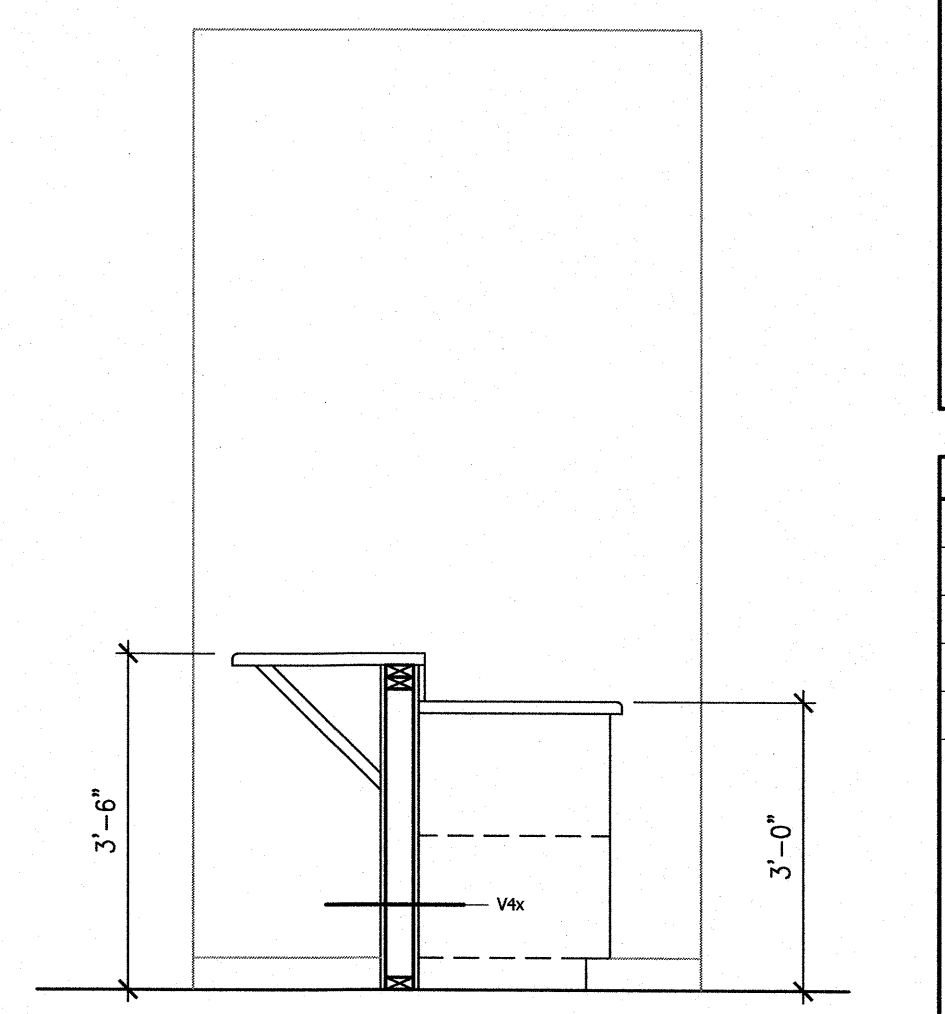


1 DEFLECTION TRACK DETAIL (TYPICAL)
A1.1 3" = 1'-0" NON-LOAD BEARING WALL

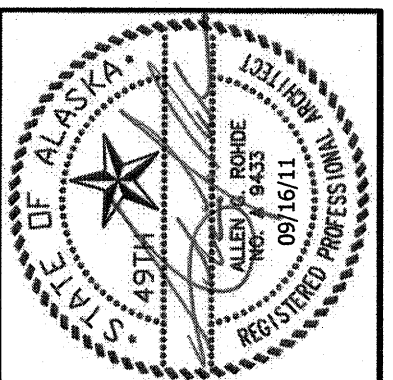


NOTES:
1. PROVIDE FIRE BLOCKING AND DRAFTSTOPPING IN ACCORDANCE WITH IBC 2006 SECT. 717.

2 EXHAUST ENCLOSURE DETAIL
A1.1 1" = 1'-0"



3 PARTIAL HEIGHT WALL DETAIL
A1.1 1/2" = 1'-0"



Ronde
ASSOCIATES ARCHITECTS
planning design/build
architecture
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
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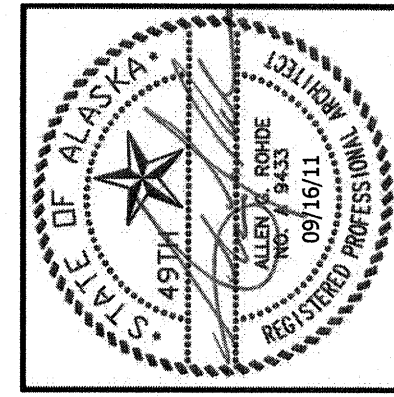
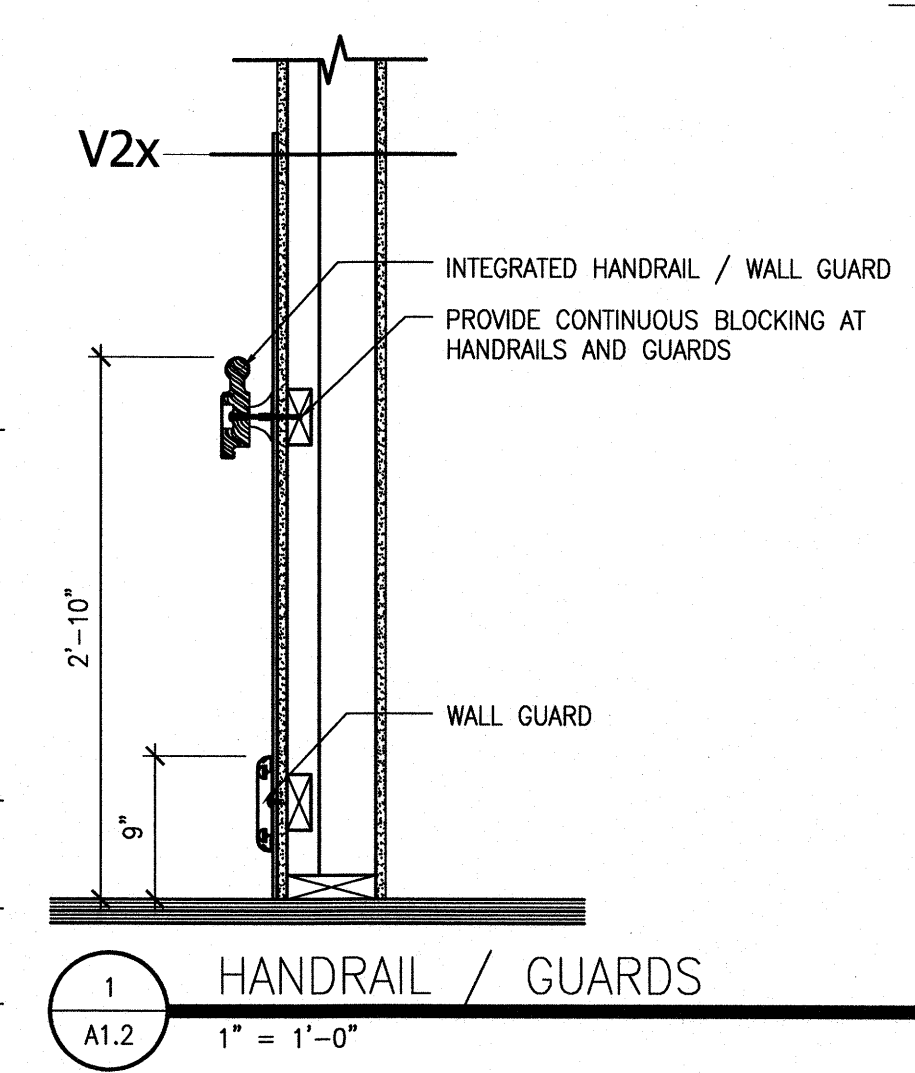
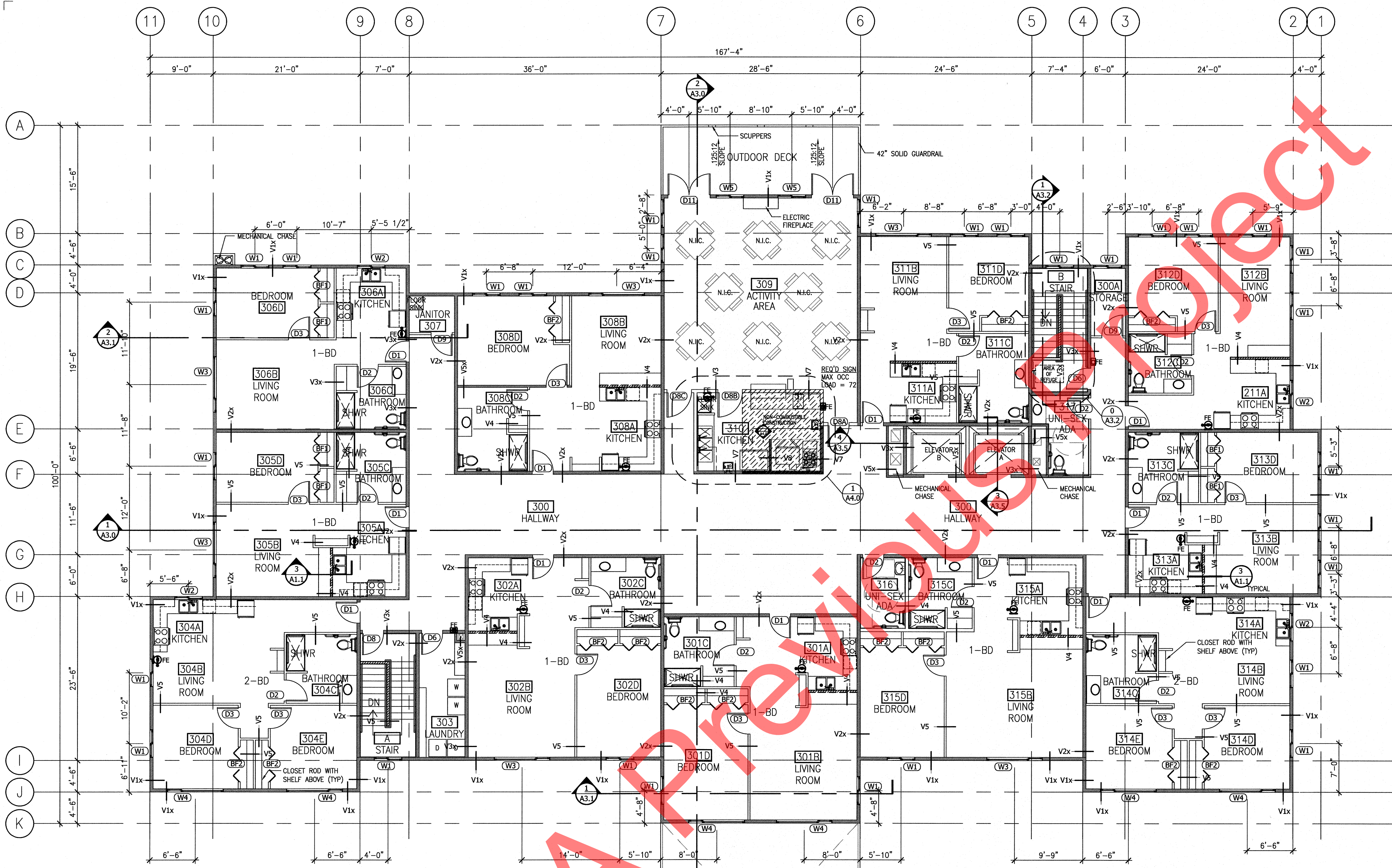
NO.	REVISION	DATE
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3	RESPONSE TO COMMENTS	09/16/11

JOB NO. 1002
DATE March 11, 2011
DRAWN MFW
REVIEWED AGR

SHEET TITLE:
SECOND FLOOR PLAN
DETAILS

SHEET NO.
A1.1

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 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 Ph: (907) 670-2562
 ron@rondeassociates.com

NEAR ISLAND SENIOR HOUSING
182 ALIMAK DRIVE
KODIAK, ALASKA

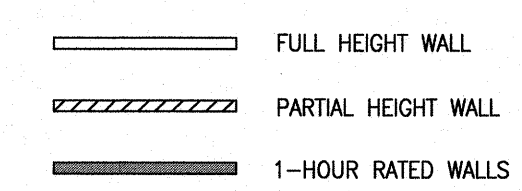
FOR THIRD FLOOR PARTIAL ENLARGED PLANS AND INTERIOR ELEVATIONS REFERENCE:

ROOM #	REF. DETAIL
301A	7/A4.3
301C	5/A4.2
302A	7/A4.3
302C	5/A4.2
304A	5/A4.3
304C	5/A4.2
305A	7/A4.3
305C	5/A4.2
306A	1/A4.5
306C	5/A4.2
308A	3/A4.5
308C	5/A4.2
311A	9/A4.3
311C	5/A4.2
312A	7/A4.5
312C	5/A4.2
313A	3/A4.4
313C	5/A4.2
314A	5/A4.4
314C	5/A4.2
315A	7/A4.4
315C	5/A4.2
316	1/A4.3
317	3/A4.3

3RD FLOOR PLAN
 1/8" = 1'-0"

NOTES:

- ALL ADA LIVING UNITS TO MEET OR EXCEED ANSI 117.1 AND ADAAG MOST CURRENT EDITIONS.
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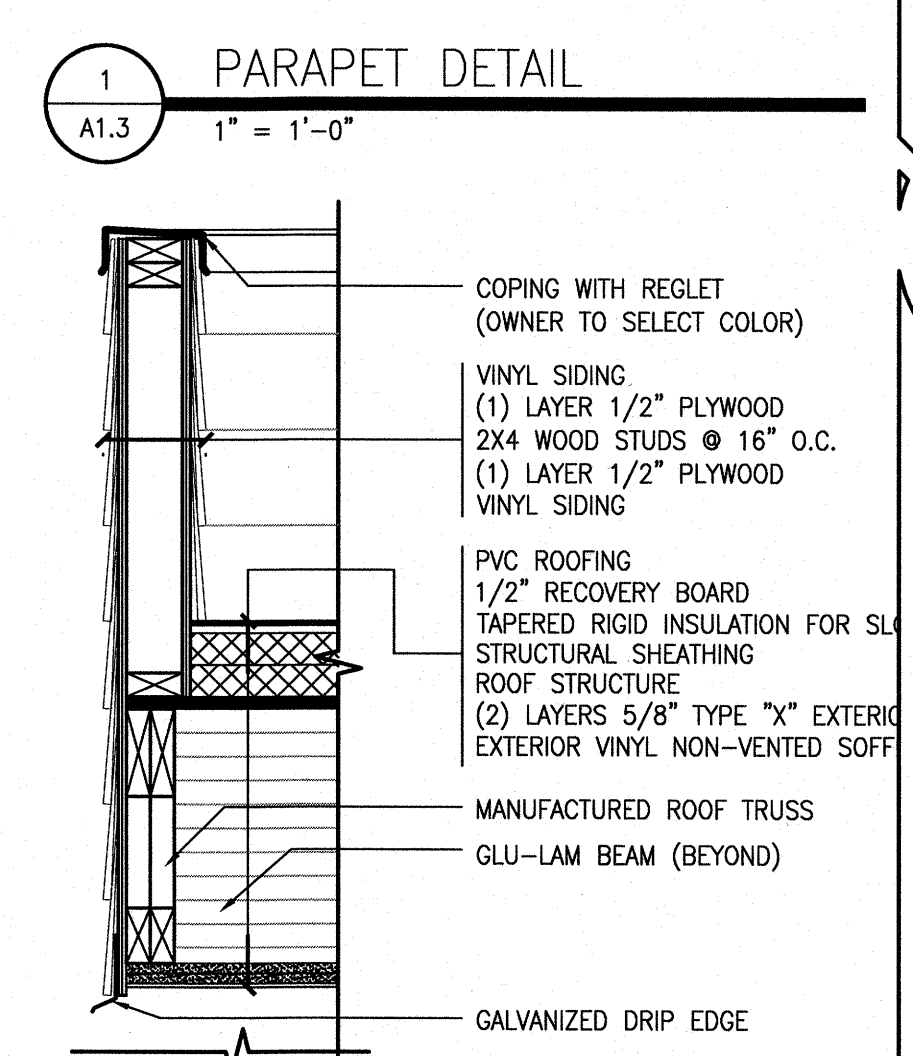
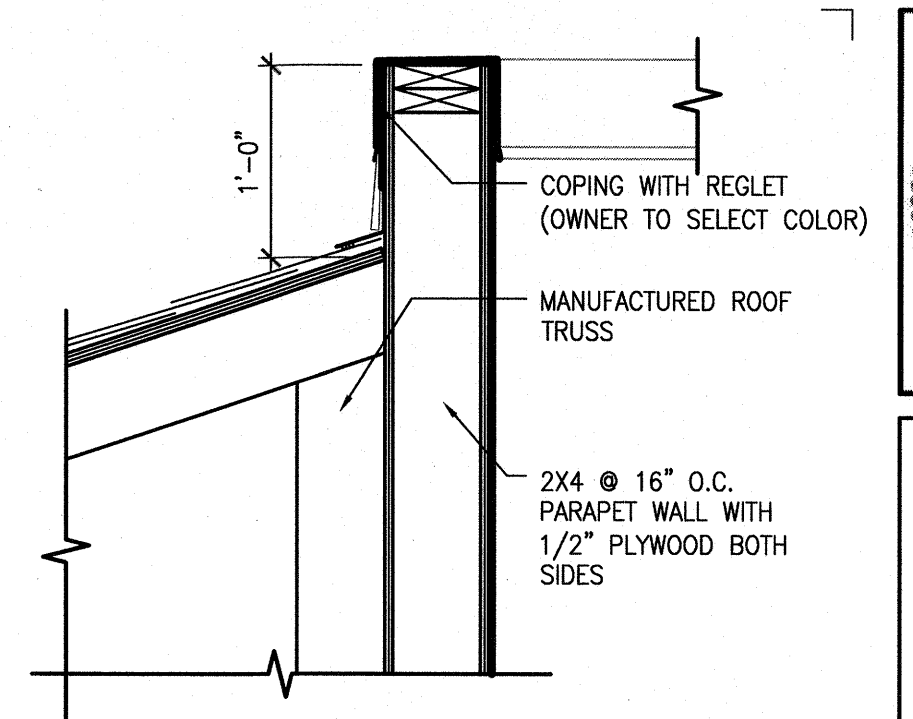
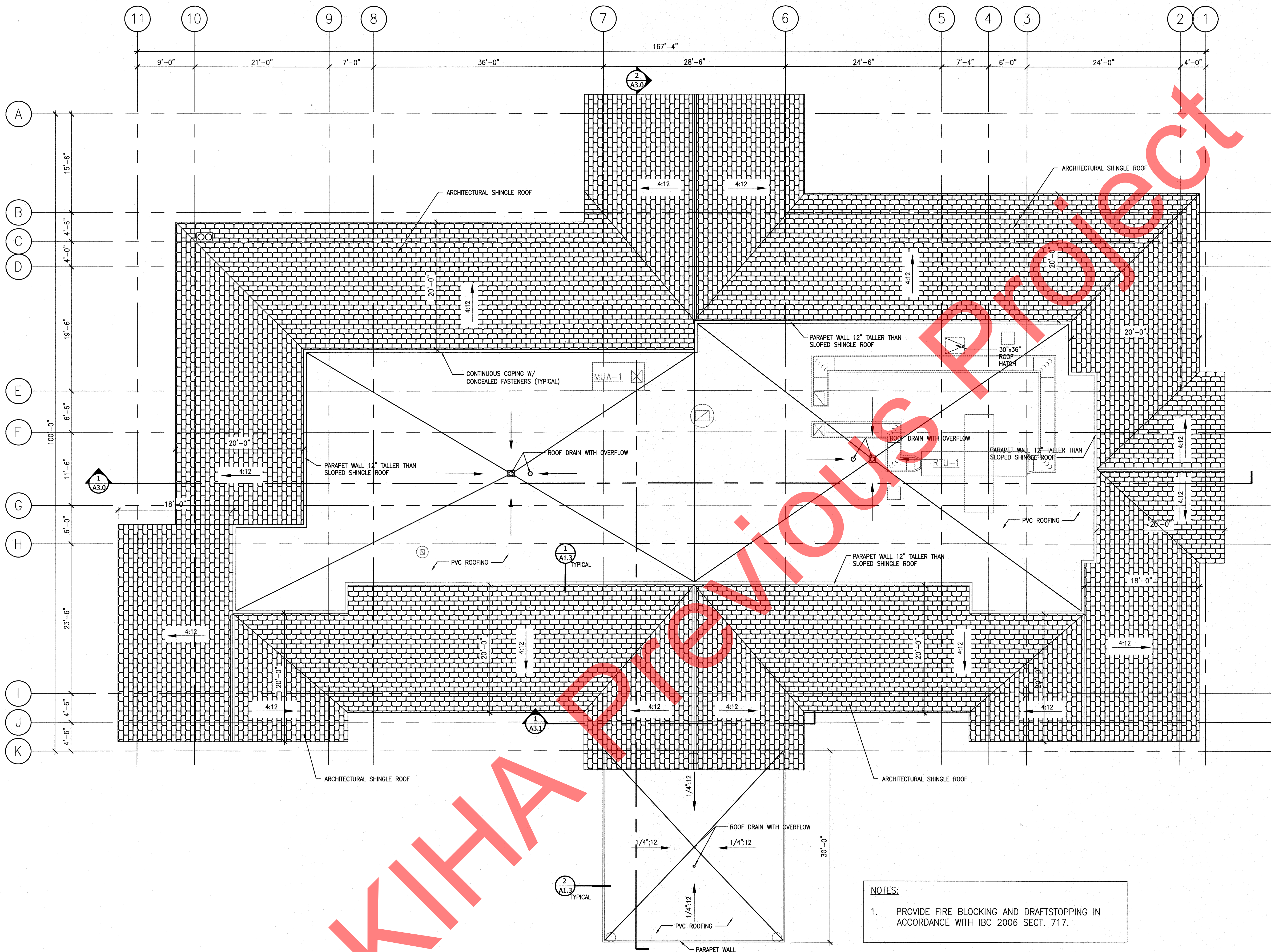
NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

JOB NO. 1002
 DATE March 11, 2011
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SHEET TITLE:
THIRD FLOOR PLAN

SHEET NO.
A1.2

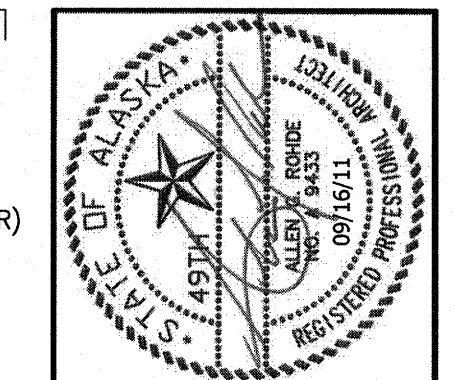
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NOTES:

1. PROVIDE FIRE BLOCKING AND DRAFTSTOPPING IN ACCORDANCE WITH IBC 2006 SECT. 717.

ROOF PLAN
1/8" = 1'-0"



Ronde ASSOCIATES ARCHITECTS
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
Ph: (907) 567-2562
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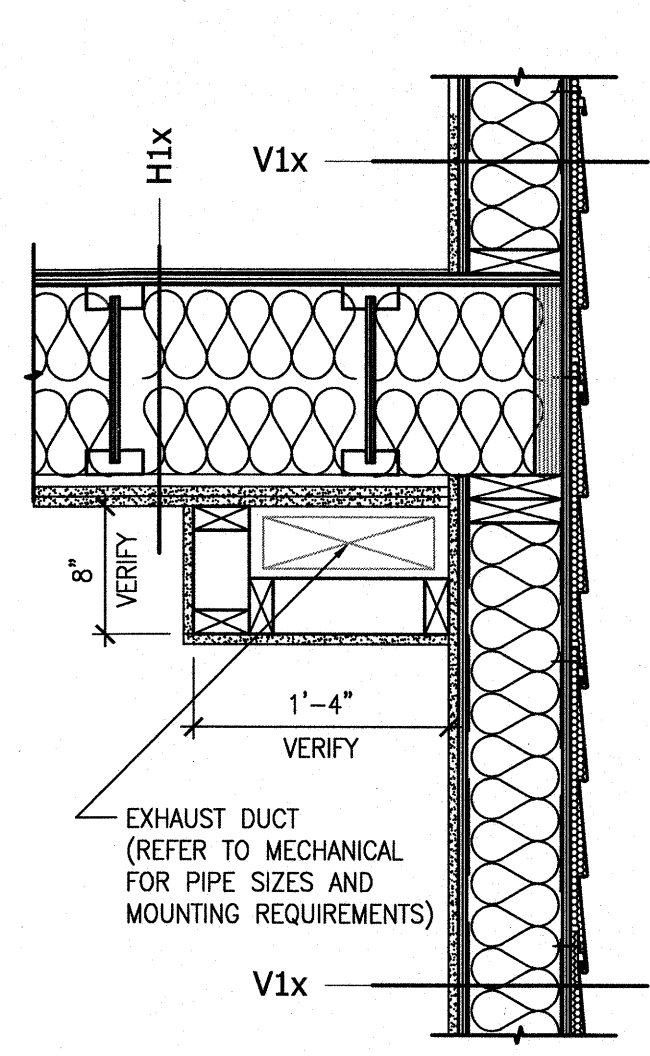
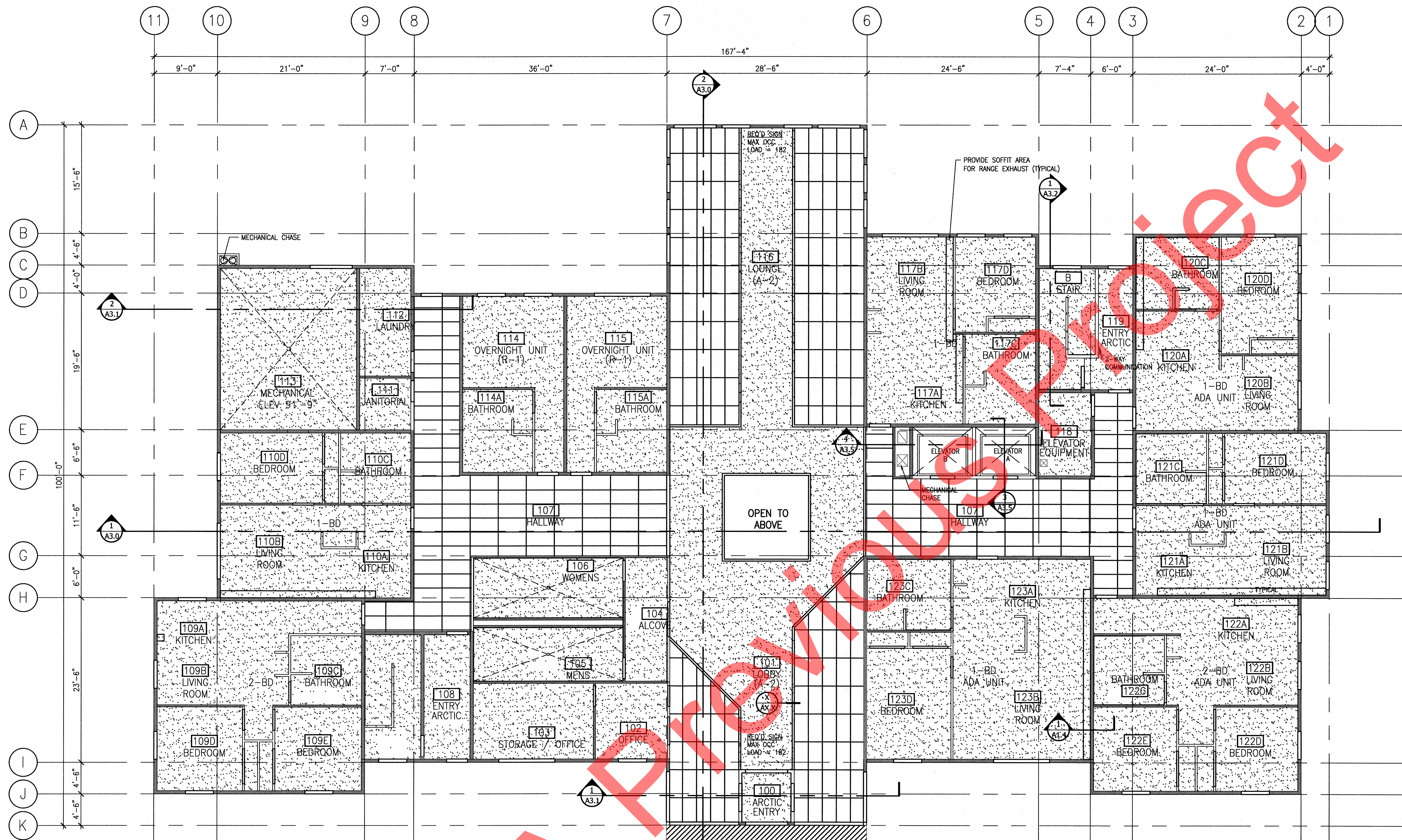
NO.	REVISION	DATE
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2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

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SHEET TITLE:
ROOF PLAN
DETAILS

SHEET NO.
A1.3

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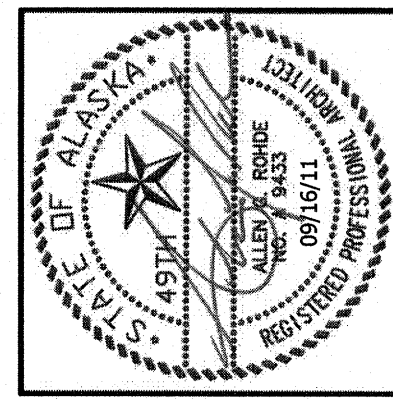
1 SOFFIT DETAIL
1" = 1'-0"

- EXTERIOR SOFFIT
- EXPOSED CEILING
- GYPSUM BOARD CEILING
- 2X4 ACOUSTICAL CEILING

- NOTES:
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 - PROVIDE FIRE BLOCKING AND DRAFTSTOPPING IN ACCORDANCE WITH IBC 2006 SECT. 717.

- FULL HEIGHT WALL
- PARTIAL HEIGHT WALL
- 1-HOUR RATED WALLS

1ST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



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architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
Ph: (907) 967-2600 Fax: (907) 967-2602
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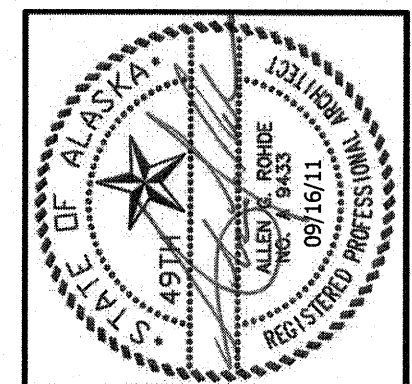
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2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

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SHEET TITLE:
FIRST FLOOR REFLECTED CEILING PLAN

SHEET NO.
A1.4

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ph. (907) 666-2362
arohde@rohdeandassociates.com

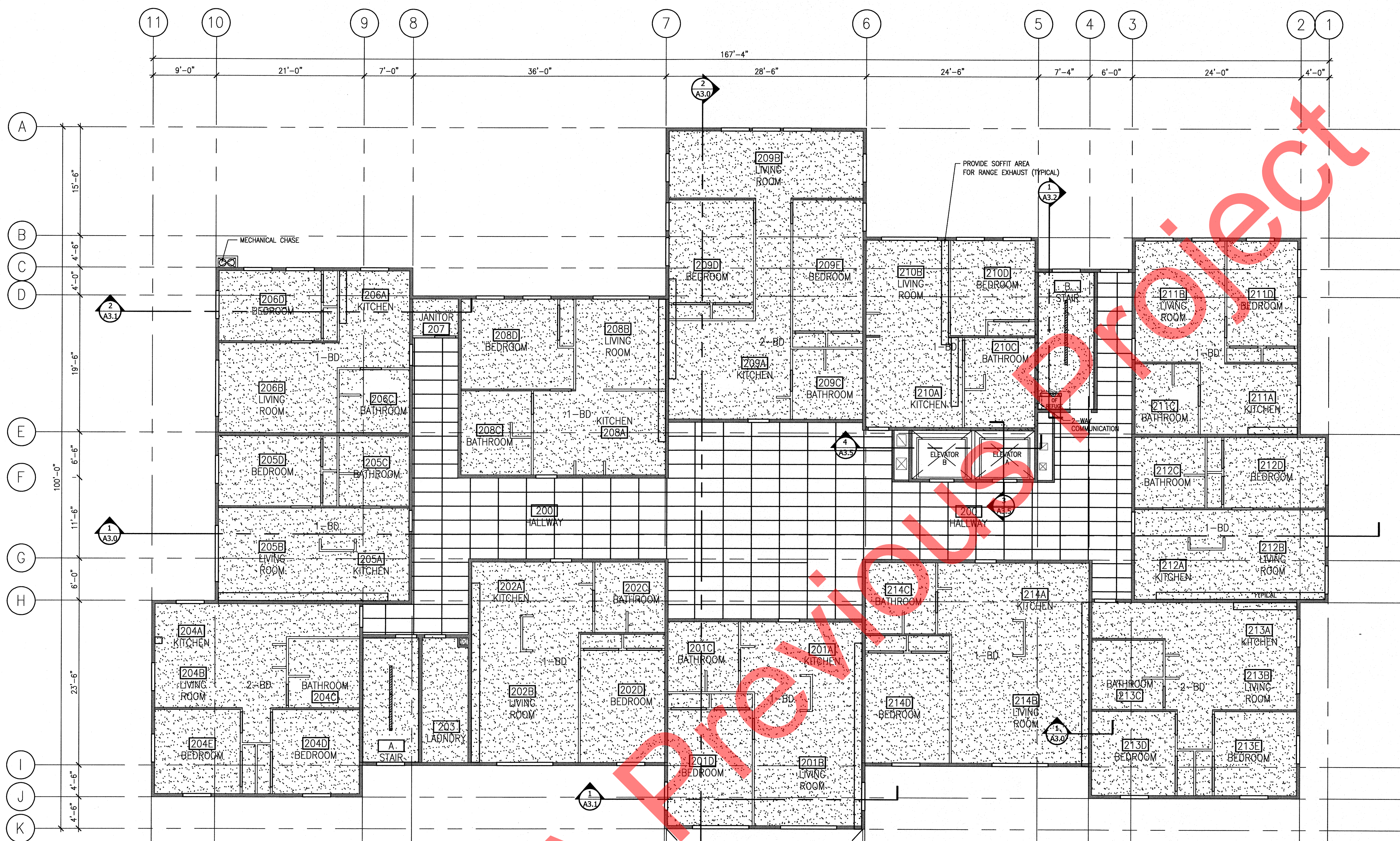
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KODIAK, ALASKA

NO.	REVISION	DATE
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2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

JOB NO. 1002
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SHEET TITLE:
SECOND FLOOR
REFLECTED CEILING PLAN

SHEET NO.
A1.5



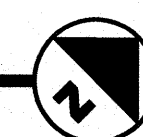
2ND FLOOR REFLECTED CEILING PLAN

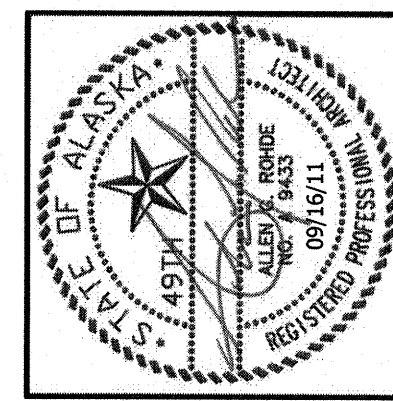
1/8" = 1'-0"

- EXTERIOR SOFFIT
- EXPOSED CEILING
- GYPSUM BOARD CEILING
- 2X4 ACOUSTICAL CEILING

- NOTES:**
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 - PROVIDE FIRE BLOCKING AND DRAFTSTOPPING IN ACCORDANCE WITH IBC 2006 SECT. 717.

- FULL HEIGHT WALL
- PARTIAL HEIGHT WALL
- 1-HOUR RATED WALLS





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 ASSOCIATES ARCHITECTS
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 Ph: (907) 666-2860 Fax: (907) 666-2862
 rohde@rohdeassociates.com

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- EXTERIOR SOFFIT
- EXPOSED CEILING
- GYPSUM BOARD CEILING
- 2X4 ACOUSTICAL CEILING
- FULL HEIGHT WALL
- PARTIAL HEIGHT WALL
- 1-HOUR RATED WALLS

NOTES:
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3RD FLOOR REFLECTED CEILING PLAN
 1/8" = 1'-0"

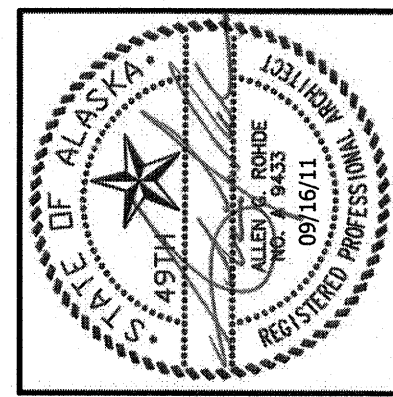
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3	RESPONSE TO COMMENTS	09/16/11

JOB NO.	1002
DATE	March 11, 2011
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SHEET TITLE:
 THIRD FLOOR REFLECTED CEILING PLAN

SHEET NO.
A1.6

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ph. (907) 666-2960
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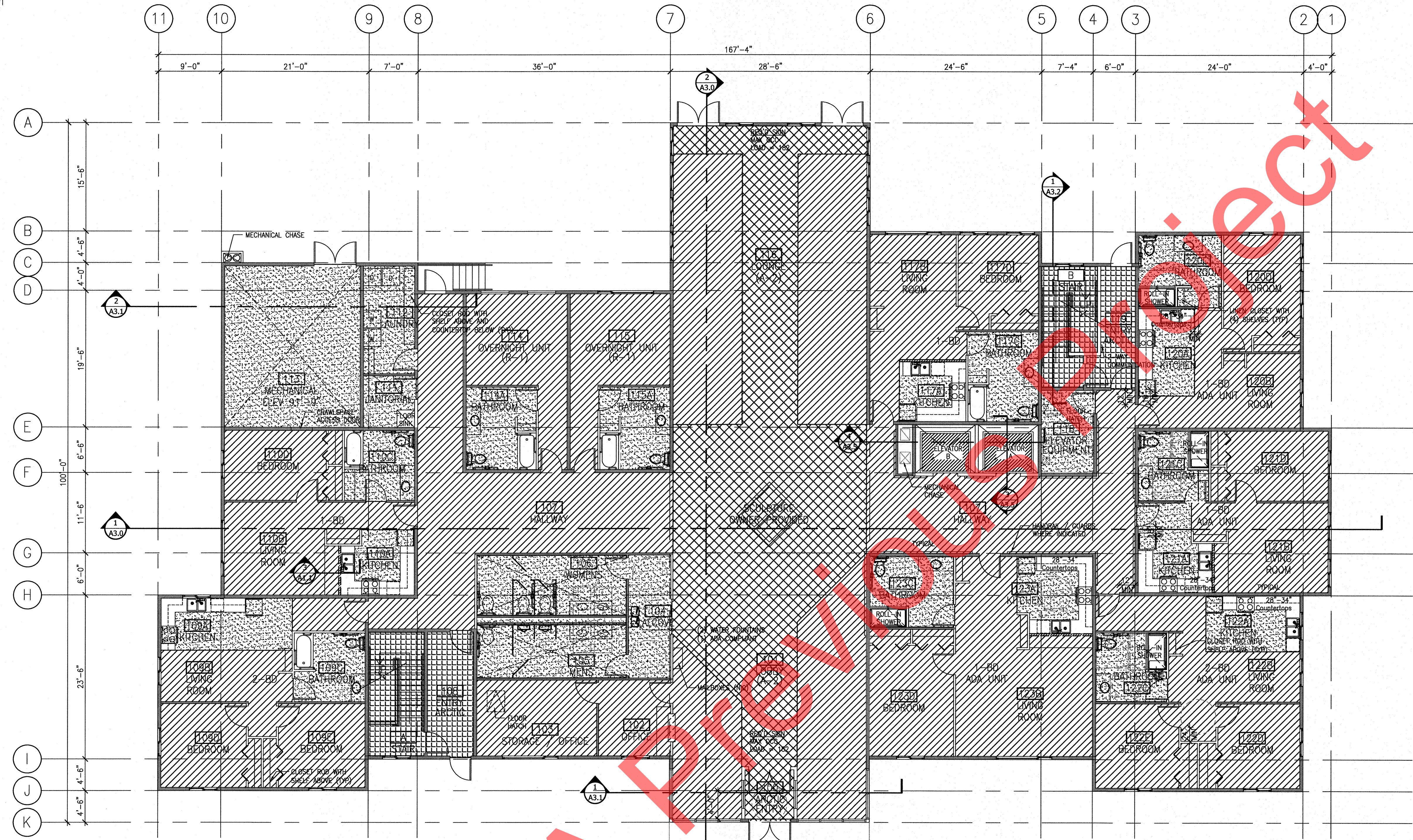
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KODIAK, ALASKA

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DATE March 11, 2011
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SHEET TITLE:
FIRST FLOOR
FLOOR FINISH PLAN

SHEET NO.
A1.7

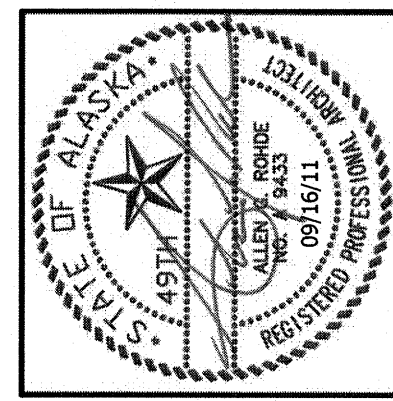


1ST FLOOR FINISH PLAN
1/8" = 1'-0"

- NOTES:**
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- CARPET
- TILE
- SHEET VINYL
- RUBBER FLOORING
- FULL HEIGHT WALL
- PARTIAL HEIGHT WALL
- 1-HOUR RATED WALLS

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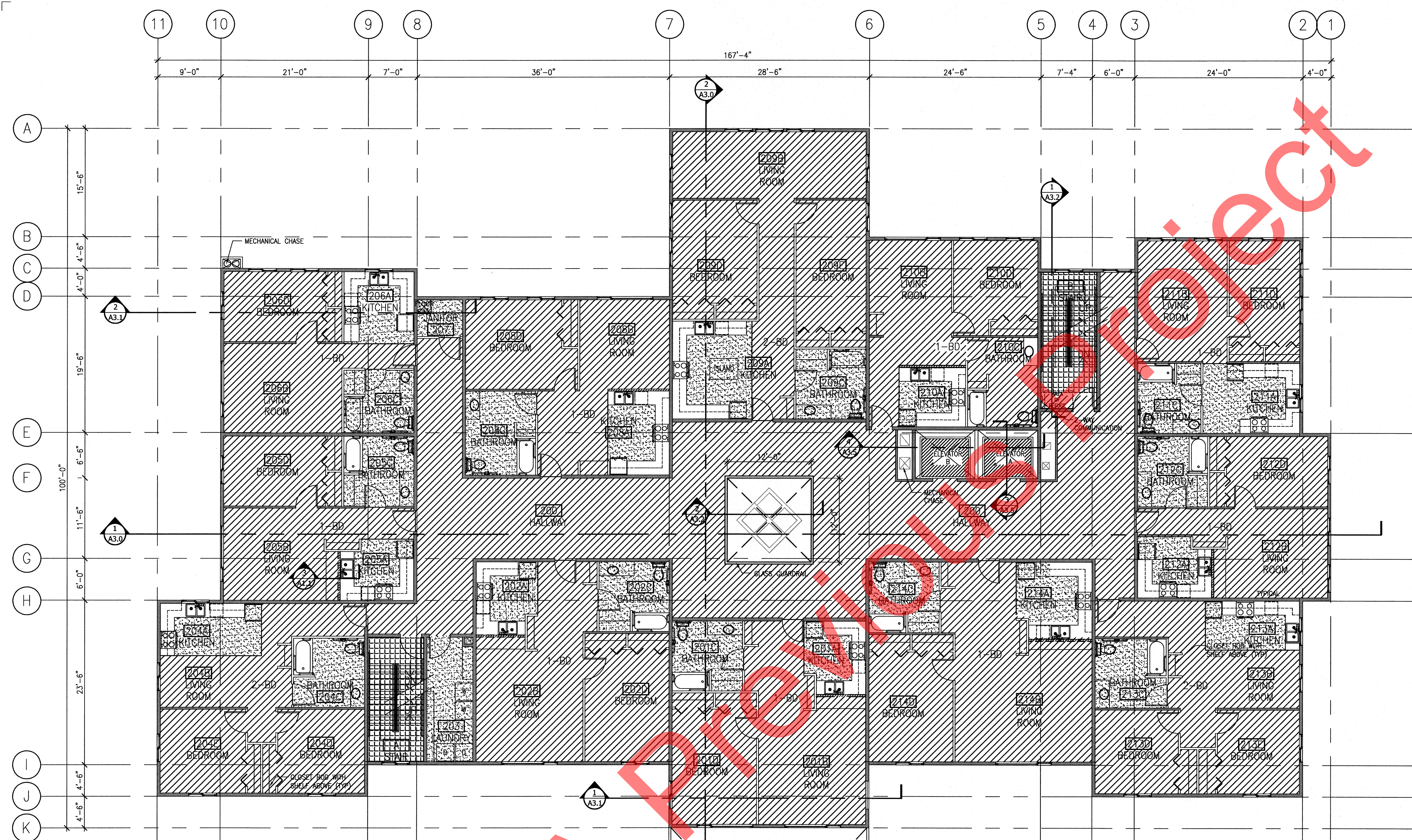
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SHEET TITLE:
SECOND FLOOR
FLOOR FINISH PLAN

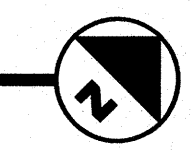
SHEET NO.
A1.8



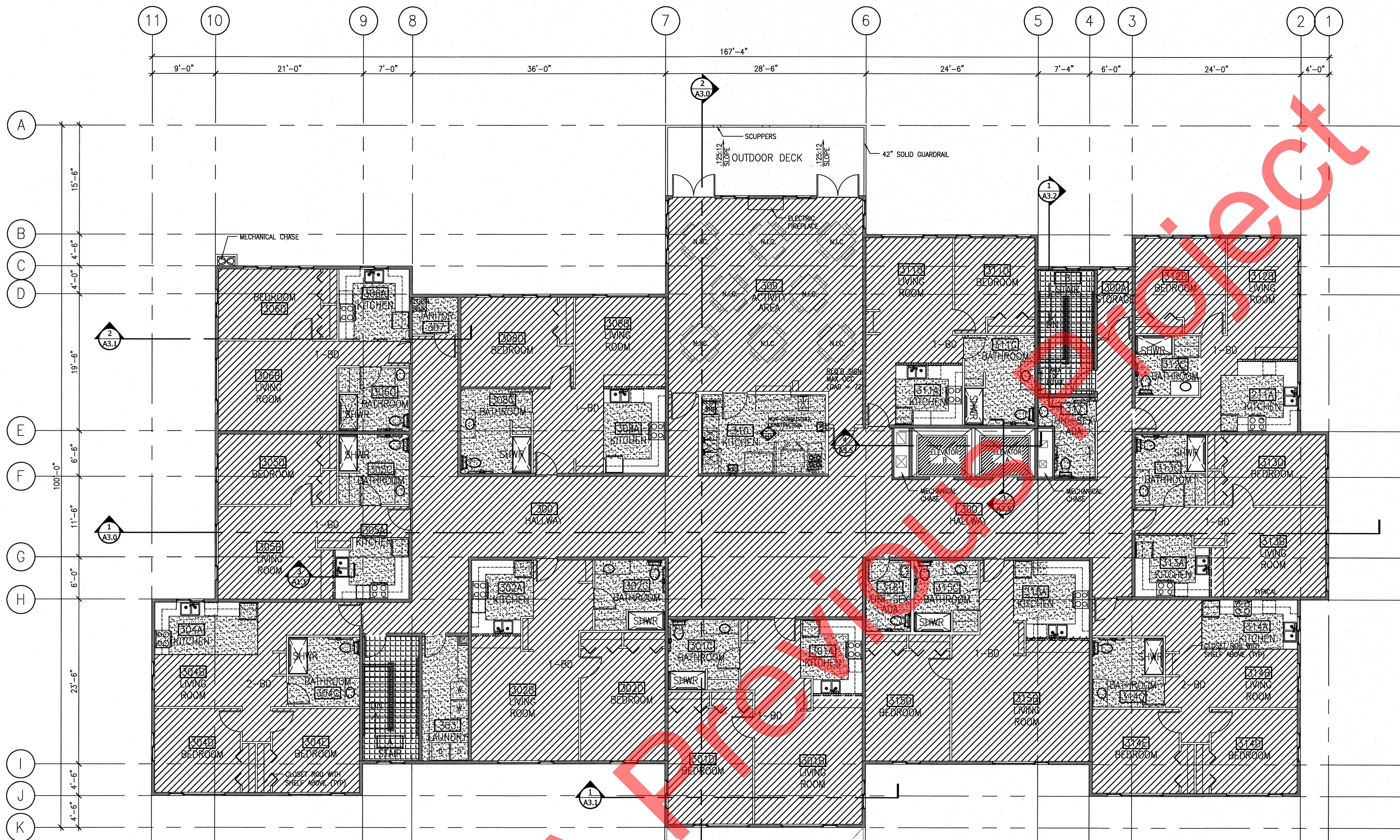
2ND FLOOR FINISH PLAN
1/8" = 1'-0"

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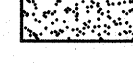
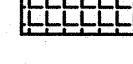
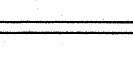
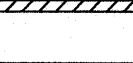

- CARPET
- TILE
- SHEET VINYL
- RUBBER FLOORING
- FULL HEIGHT WALL
- PARTIAL HEIGHT WALL
- 1-HOUR RATED WALLS



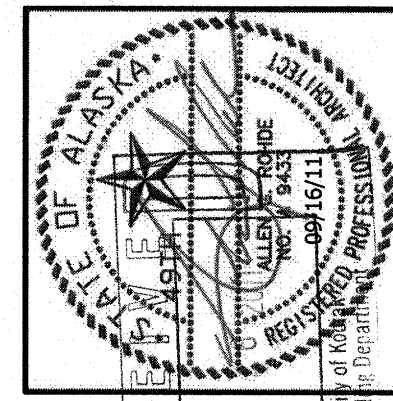
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3RD FLOOR FINISH PLAN
1/8" = 1'-0"

-  CARPET
-  TILE
-  SHEET VINYL
-  RUBBER FLOORING
-  FULL HEIGHT WALL
-  PARTIAL HEIGHT WALL
-  1-HOUR RATED WALLS

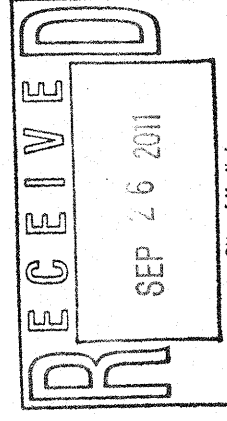
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Rohde
 ASSOCIATES ARCHITECTS
 architecture planning design
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 Tel: (907) 666-2600 Fax: (907) 666-2962
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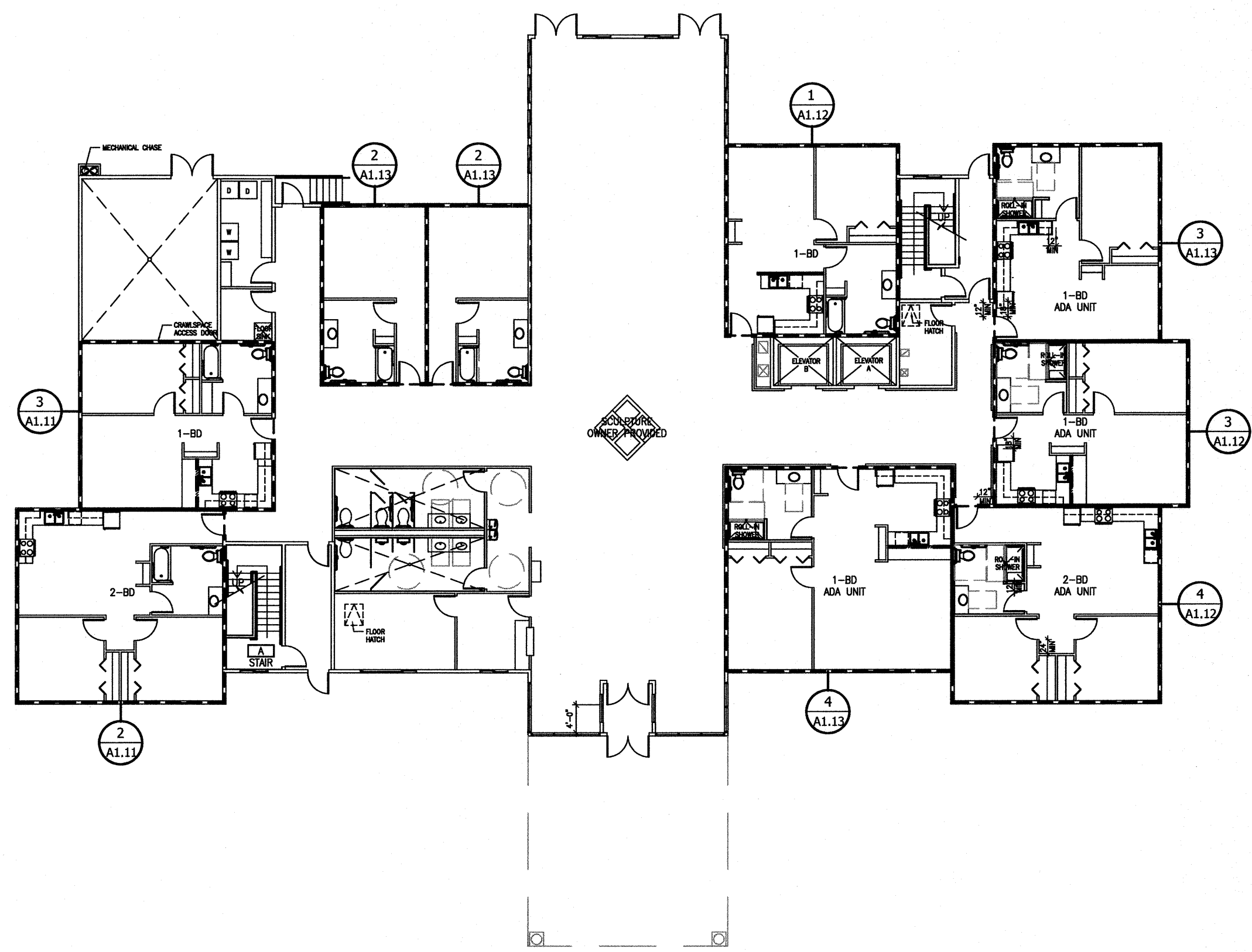


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SHEET TITLE:
 THIRD FLOOR FLOOR FINISH PLAN

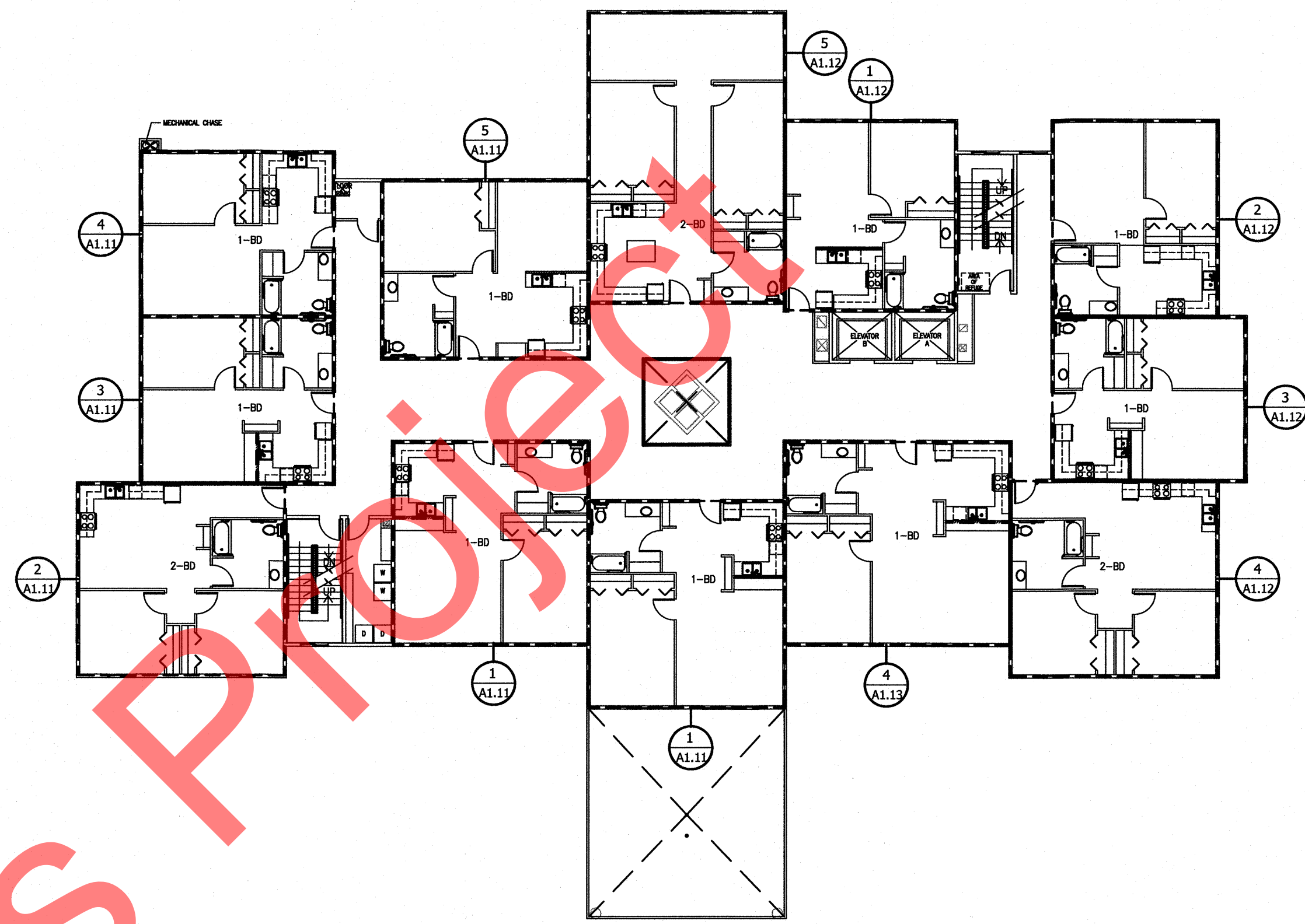
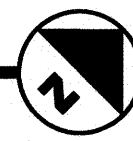
SHEET NO.
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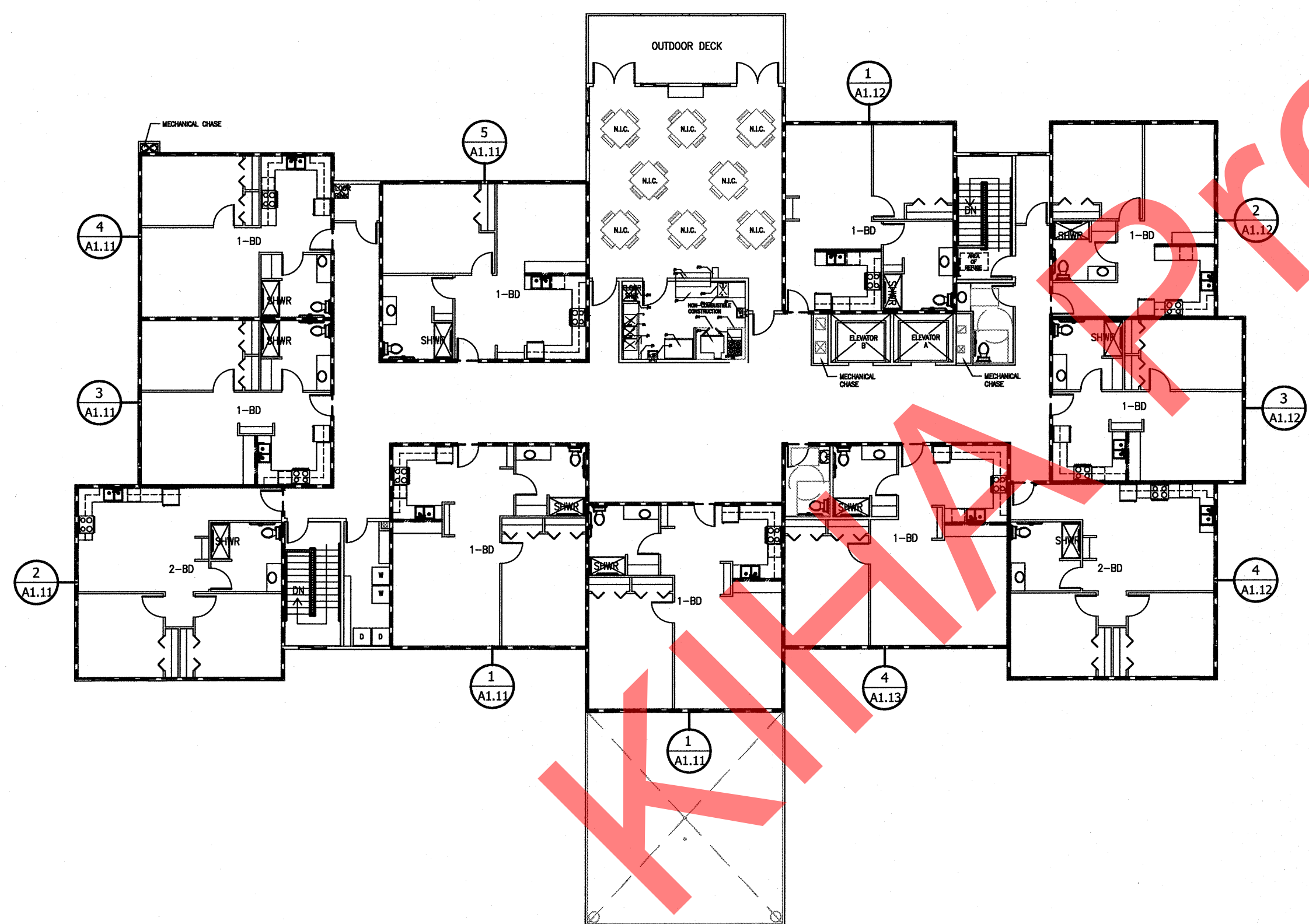
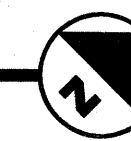
1ST FLOOR - ENLARGED PLAN LEGEND

1/16" = 1'-0"



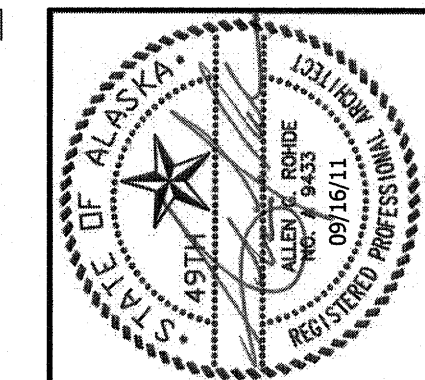
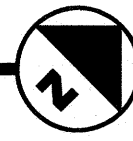
2ND FLOOR - ENLARGED PLAN LEGEND

1/16" = 1'-0"



3RD FLOOR - ENLARGED PLAN LEGEND

1/16" = 1'-0"



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 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 696-2960 fax (907) 696-2962
 arohde@roddeandassociatesinc.com

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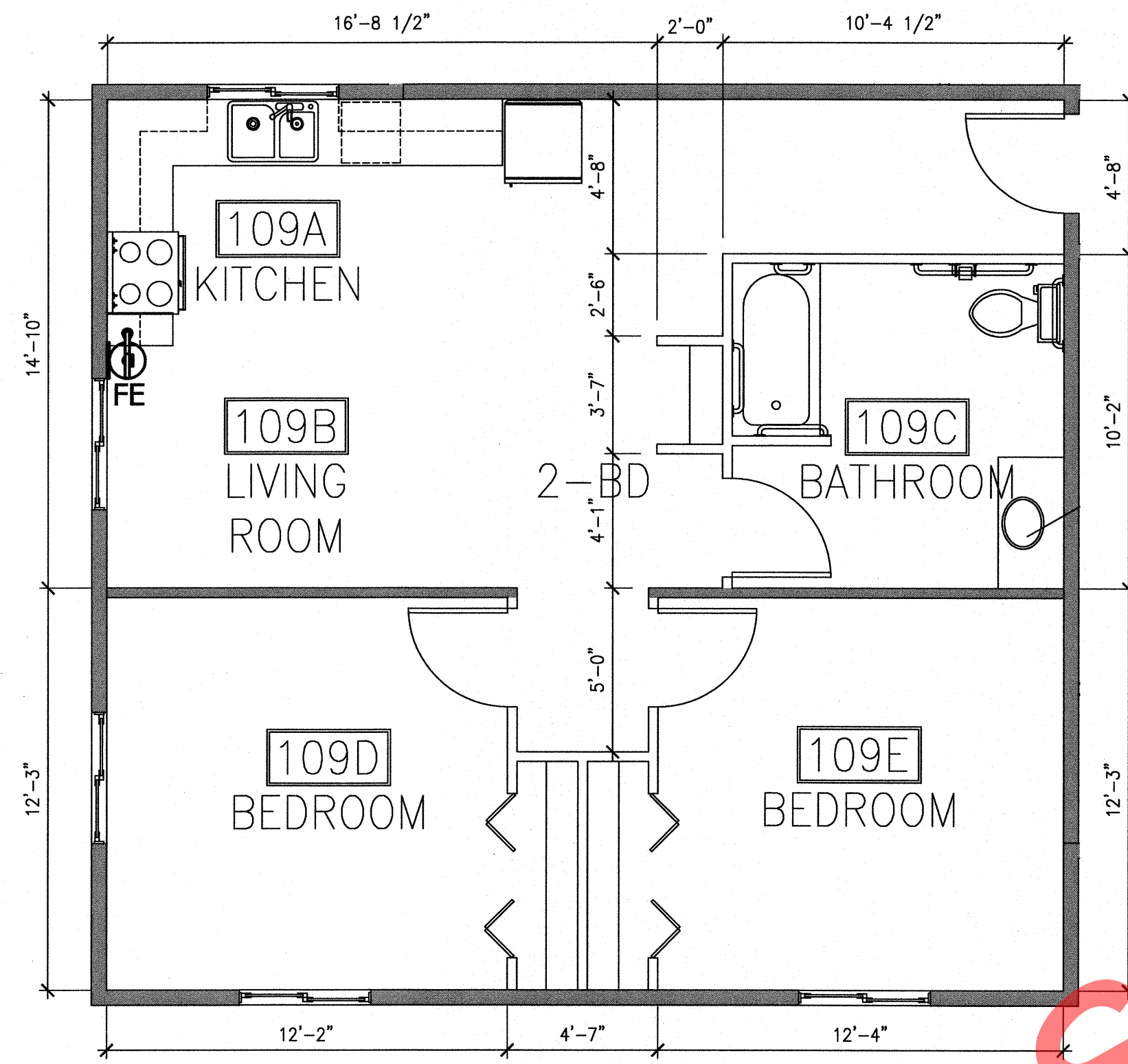
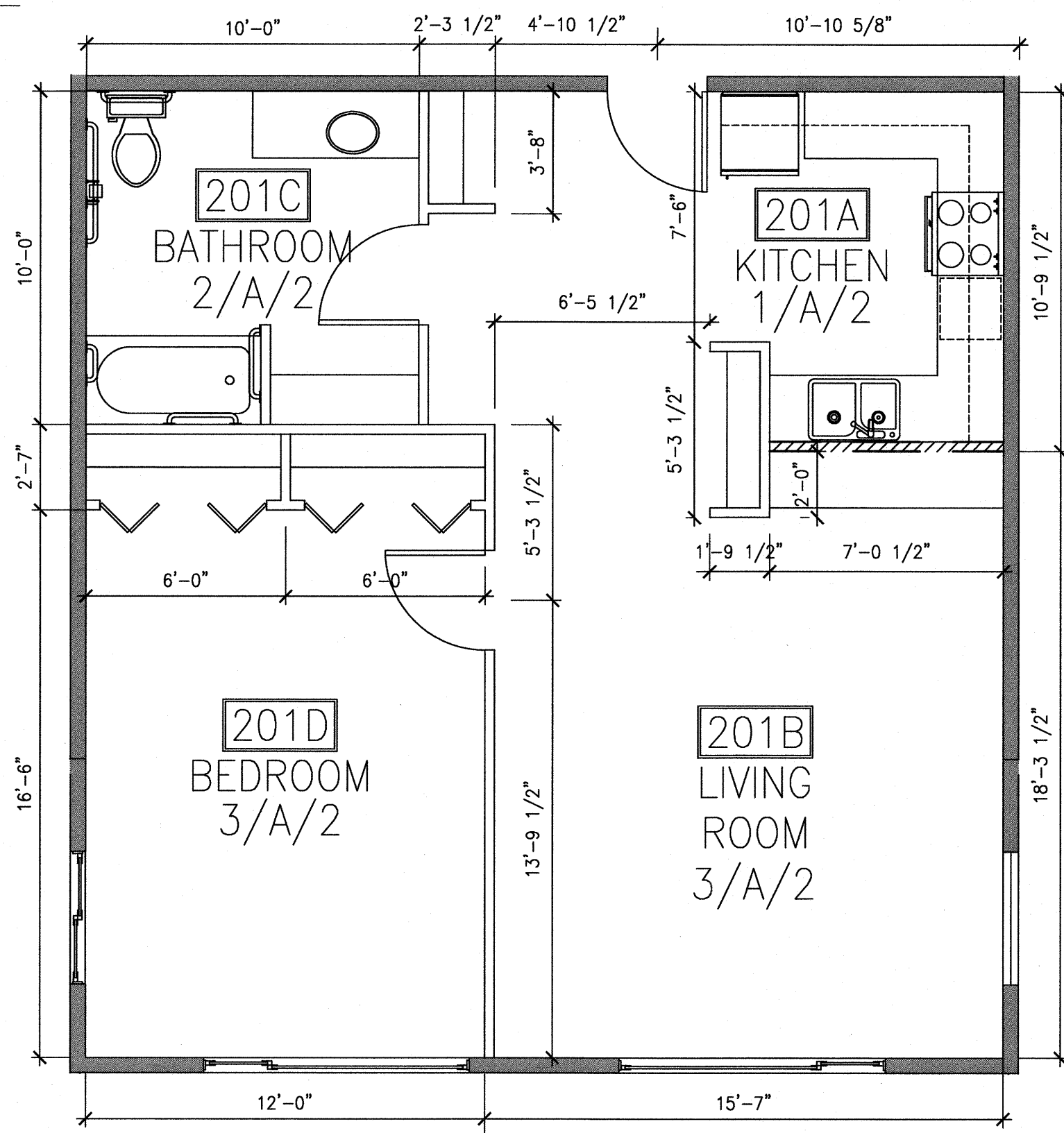
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SHEET TITLE:
 ENLARGED FLOOR PLANS
 LEGEND

SHEET NO.
A1.10

IF THIS SHEET IS LESS THAN: 22"x34" IT IS A REDUCED PRINT
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FINISH SCHEDULE

Sample Finish Code: 1/A(B)/1

- Ceiling Finish
- Secondary Finish
- Wall Finish
- Floor Finish

Floor / Base:

1. Sheet Vinyl / Rubber Base
2. Sheet Vinyl / Flash Cove w/ Trim
3. Carpet / Rubber Base
4. Concrete

Walls:

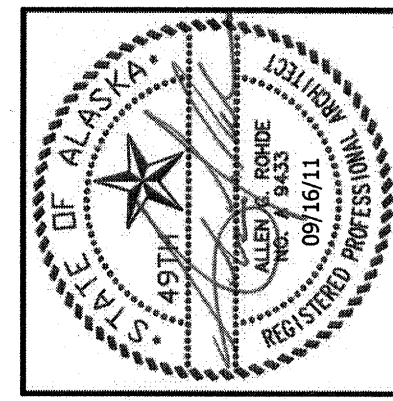
- A. GWB
- B. GWB With FRP to 48" A.F.F. w/ S.S. Trim
- C. Exposed Concrete Block Wall

Ceiling:

1. ACT
2. GWB
3. EXPOSED

Room Legend:

Room Number: 102
 Room Name: Office
 Finish Code: 2/A(B)/1

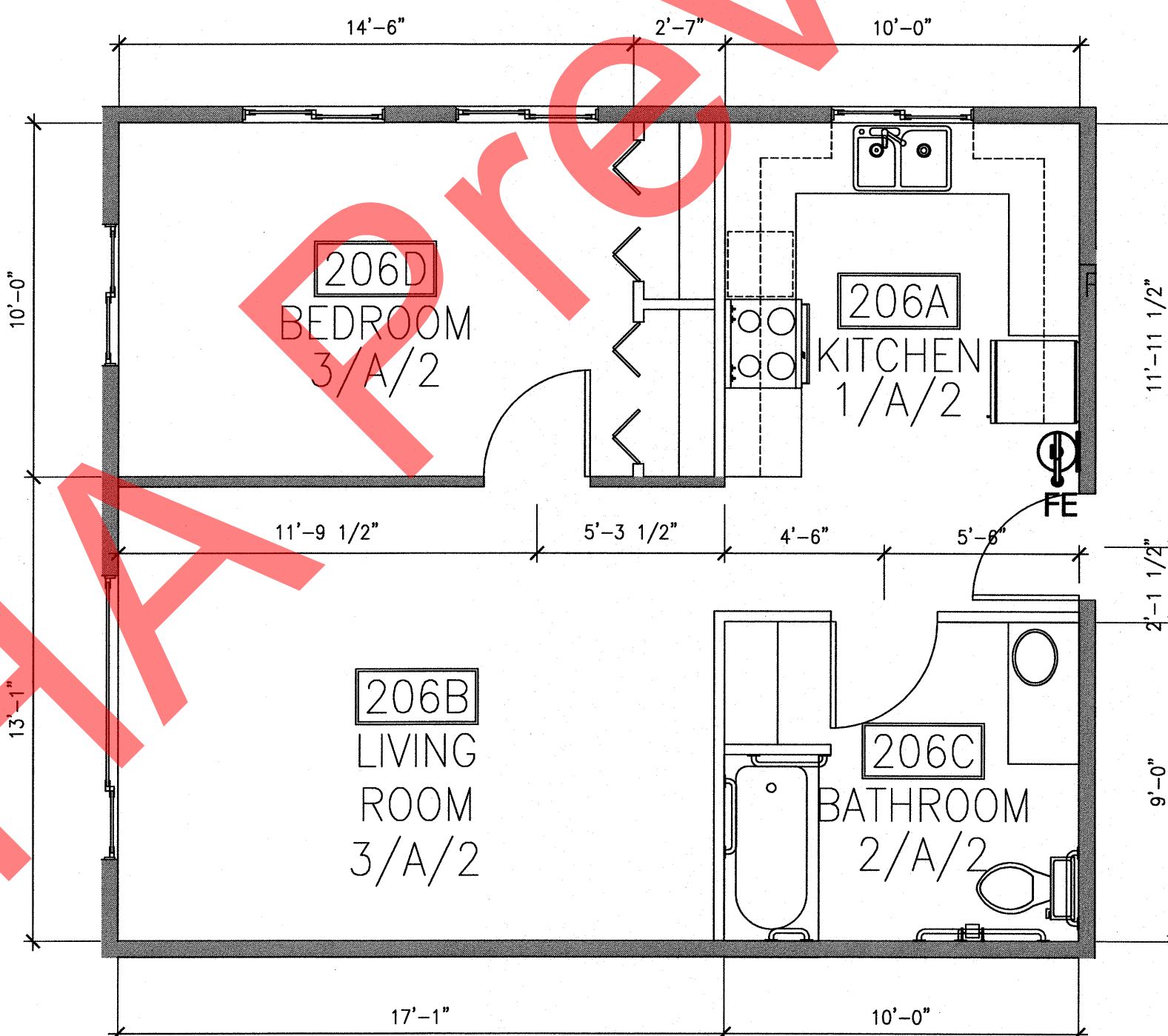
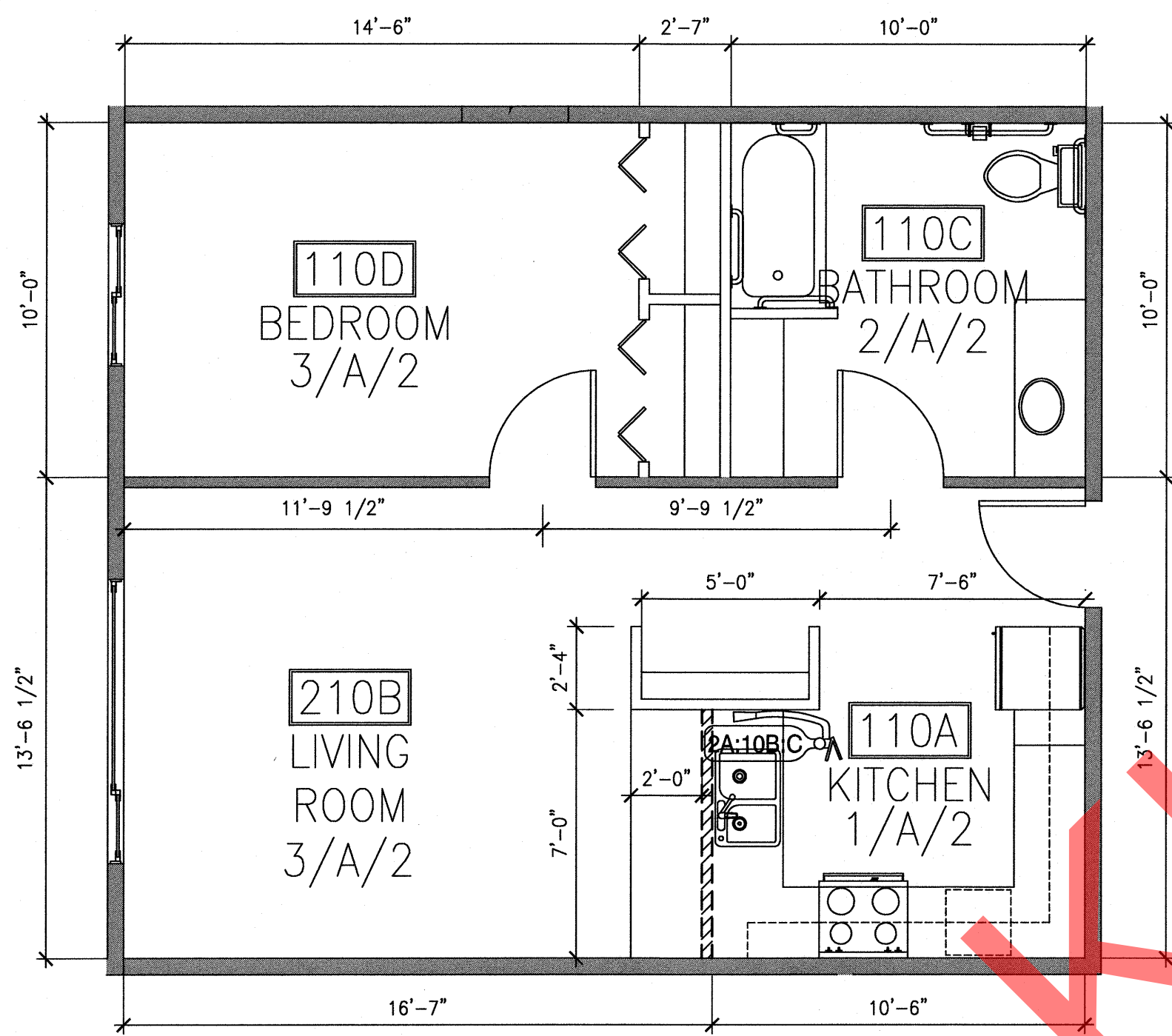


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 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
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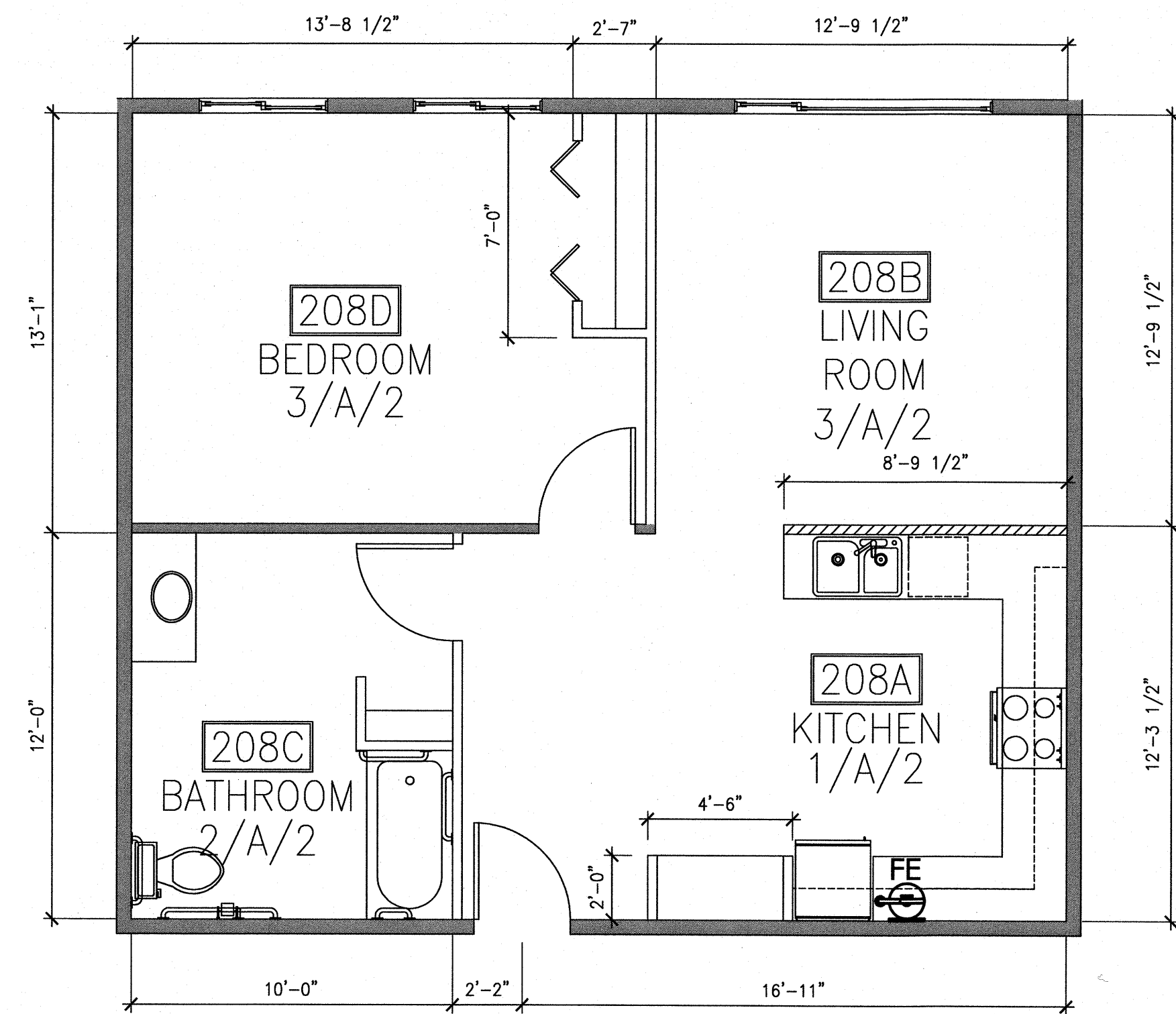
1 ENLARGED PLAN - UNITS 201,202,301,302
 A1.11 1/4" = 1'-0"

2 ENLARGED PLAN - UNITS 109,204,304
 A1.11 1/4" = 1'-0"



3 ENLARGED PLAN - UNITS 110,205,305
 A1.11 1/4" = 1'-0"

4 ENLARGED PLAN - UNITS 206,306
 A1.11 1/4" = 1'-0"



5 ENLARGED PLAN - UNITS 208,308
 A1.11 1/4" = 1'-0"

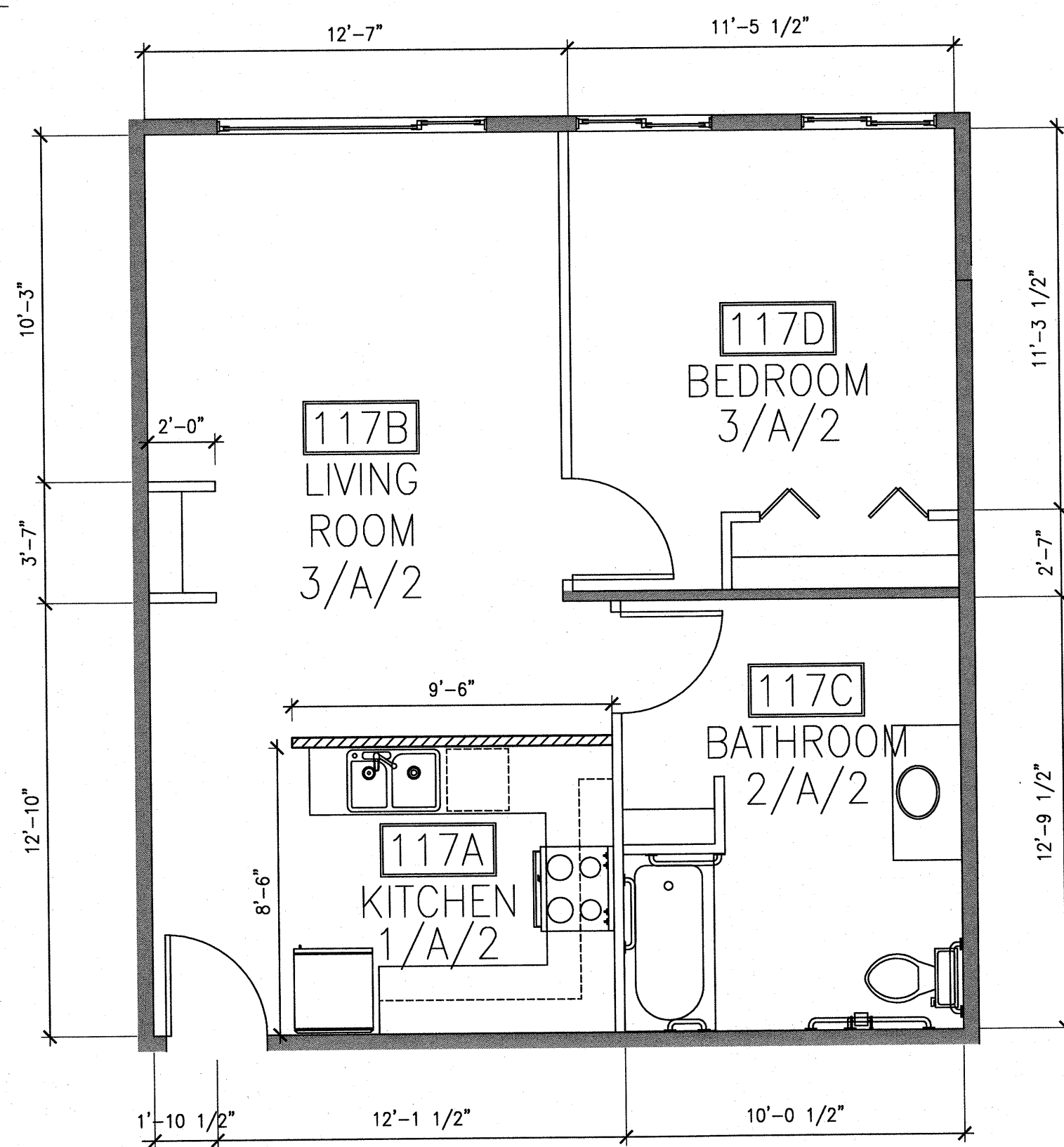
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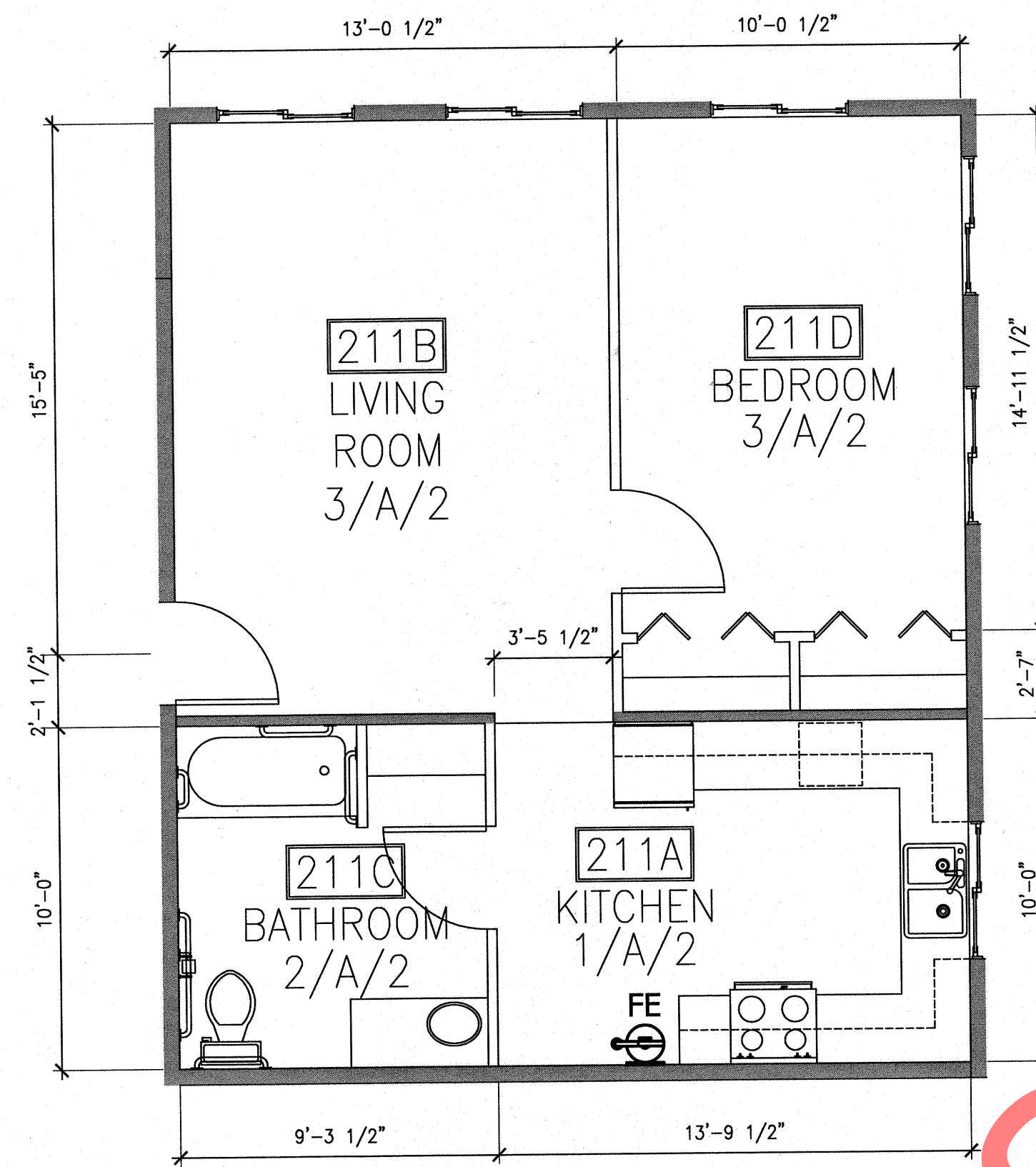
SHEET TITLE:
 ENLARGED PLANS
 FINISH SCHEDULE

SHEET NO.
A1.11

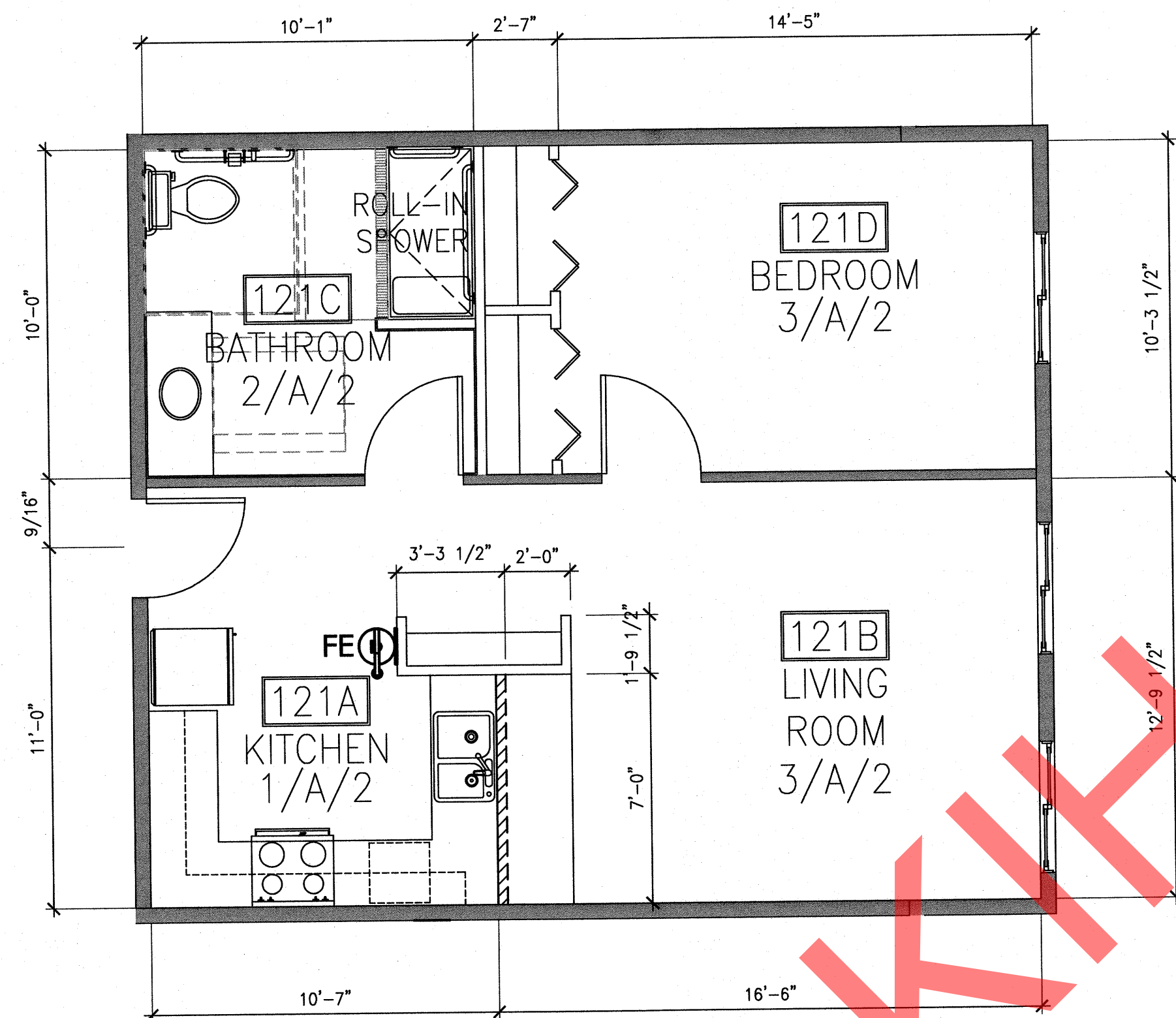
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 - DO NOT SCALE DIMENSIONS FROM BLUEPRINTS -



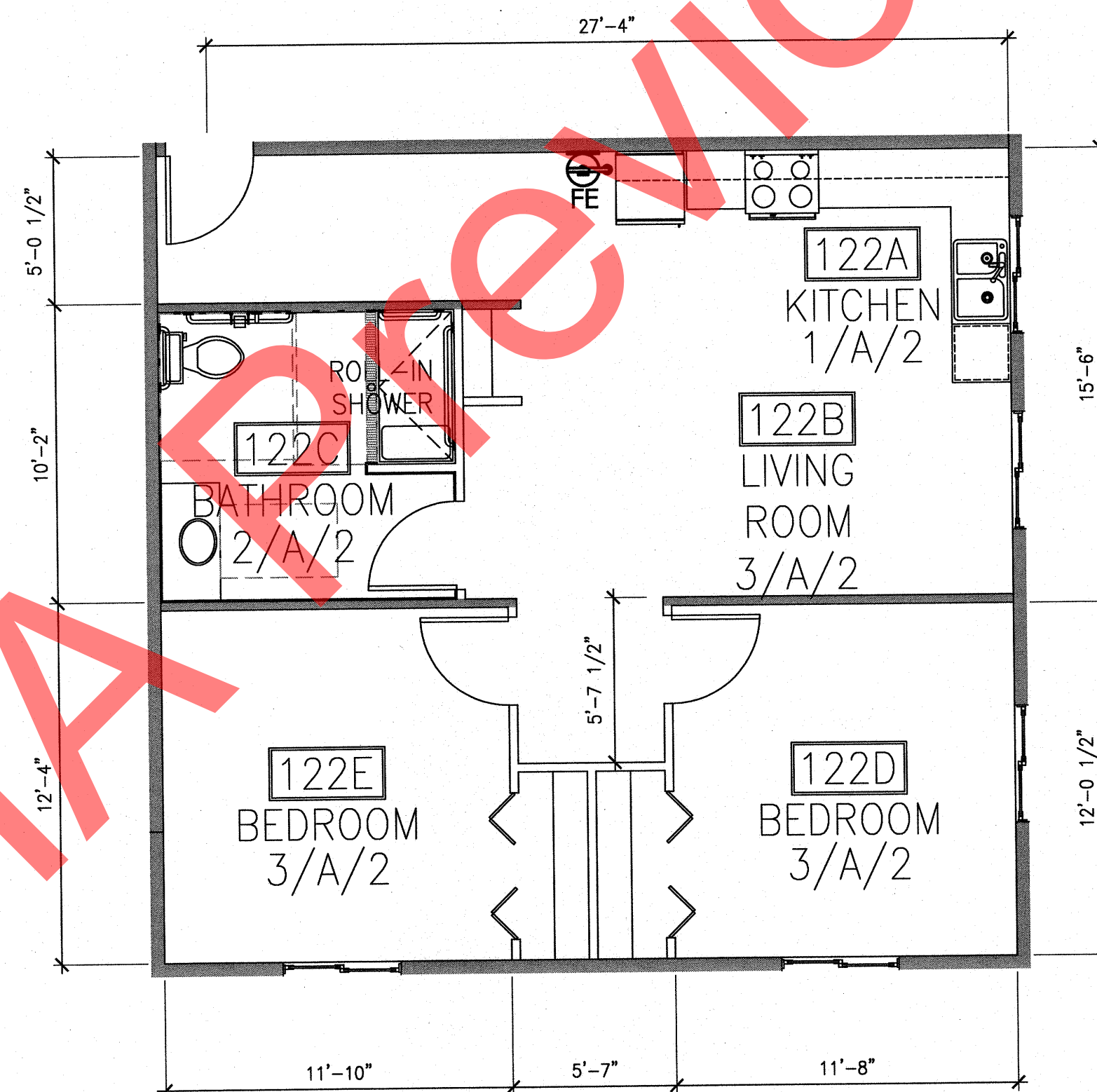
1 ENLARGED PLAN - UNITS 117,210,311
A1.12 1/4" = 1'-0"



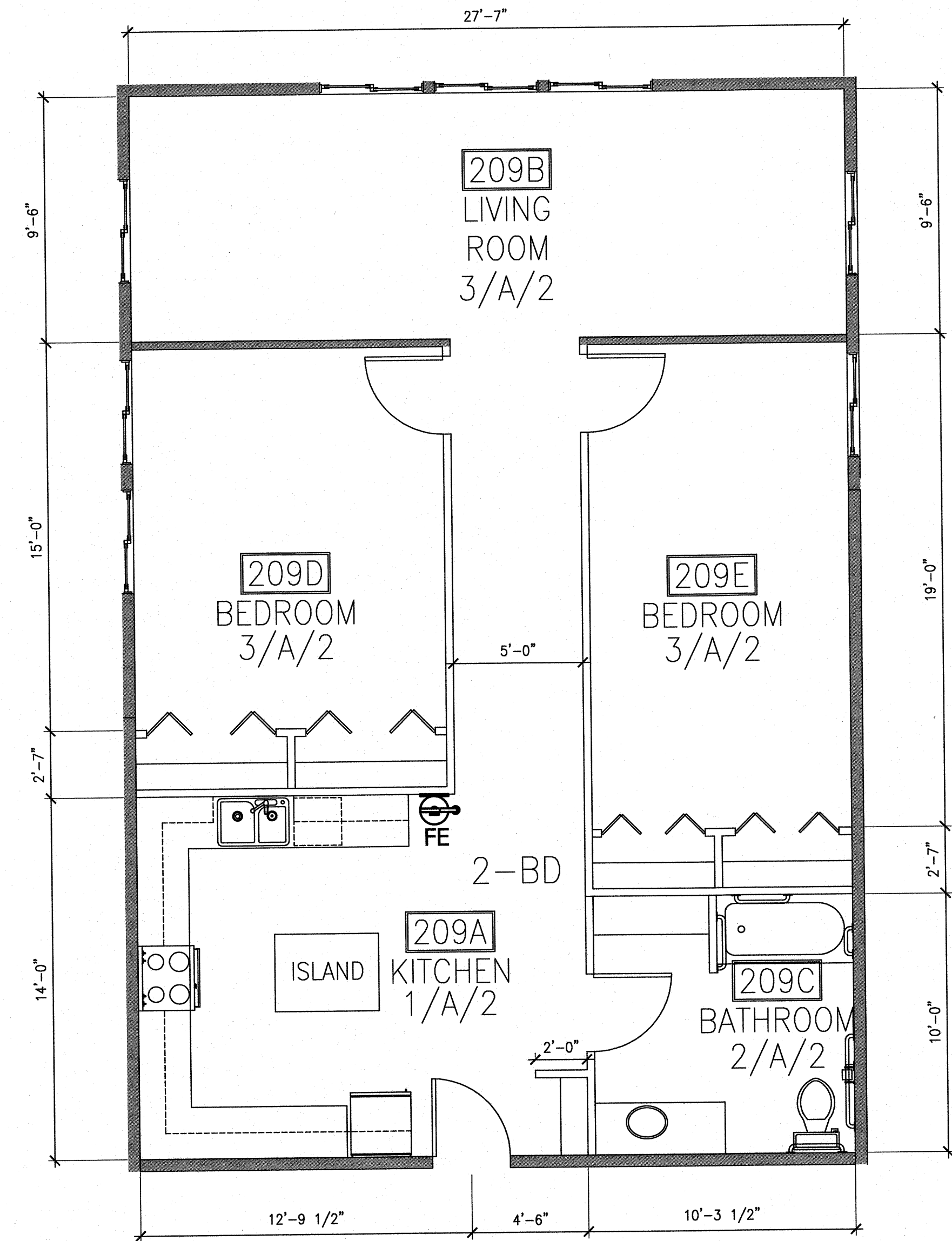
2 ENLARGED PLAN - UNITS 211,312(SIM)
A1.12 1/4" = 1'-0"



3 ENLARGED PLAN - UNITS 121,212,313
A1.12 1/4" = 1'-0"



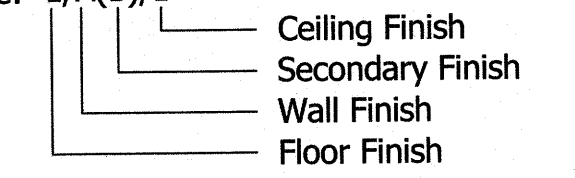
4 ENLARGED PLAN - UNITS 122,213,314
A1.12 1/4" = 1'-0"



5 ENLARGED PLAN - UNIT 209
A1.12 1/4" = 1'-0"

FINISH SCHEDULE

Sample Finish Code: 1/A(B)/1



Floor / Base:

1. Sheet Vinyl / Rubber Base
2. Sheet Vinyl / Flash Cove w/ Trim
3. Carpet / Rubber Base
4. Concrete

Walls:

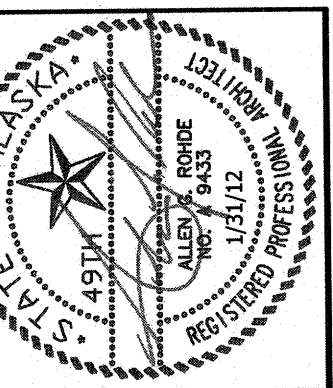
- A. GWB
- B. GWB With FRP to 48" A.F.F. w/ S.S. Trim
- C. Exposed Concrete Block Wall

Ceiling:

1. ACT
2. GWB
3. EXPOSED

Room Legend:

- Room Number: 102
Room Name: Office
Finish Code: 2/A(B)/1



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ASSOCIATES ARCHITECTS
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 696-2960 fax (907) 696-2962
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KODIAK, ALASKA

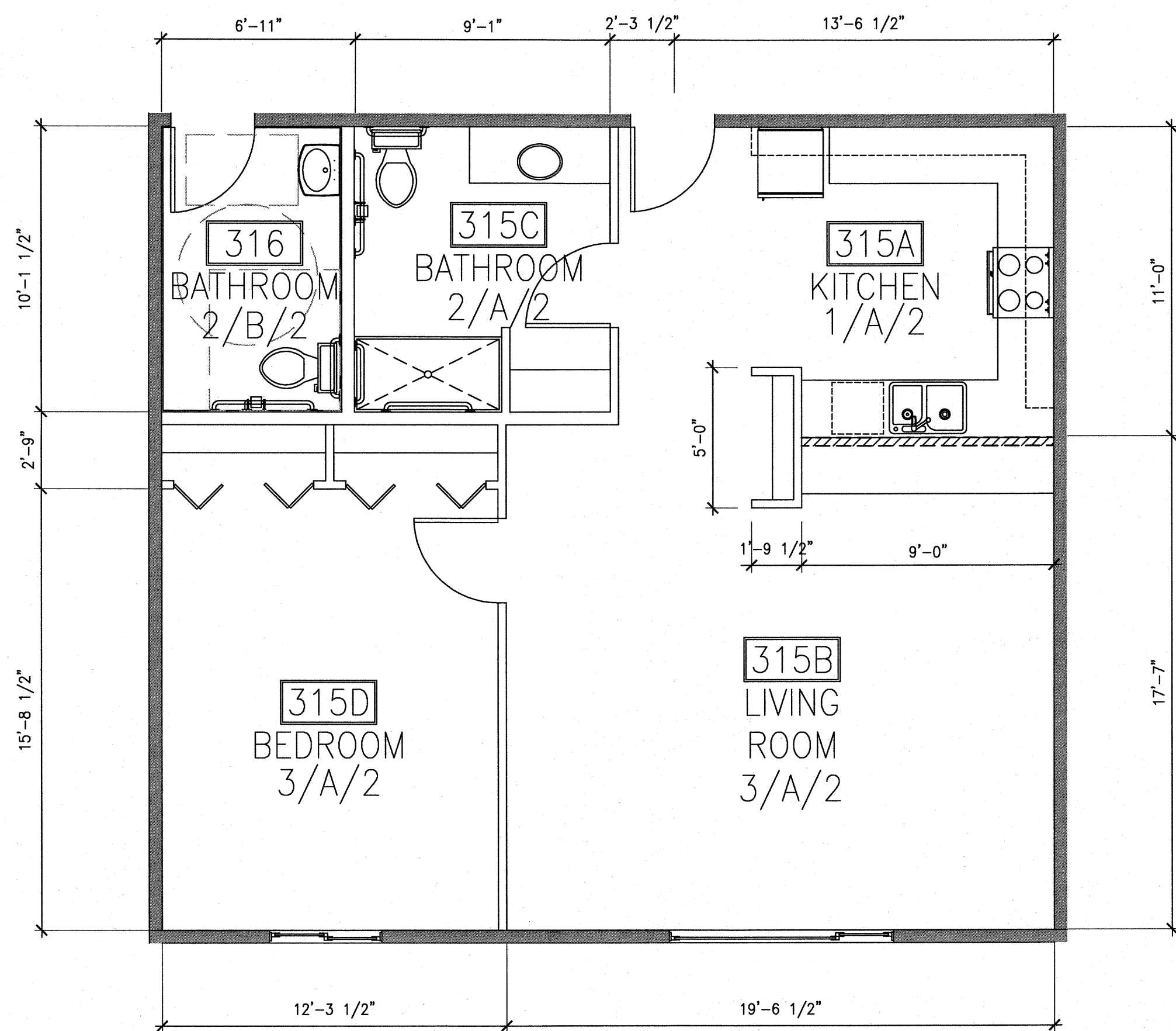
NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11
4	DRAWING CLARIFICATIONS	01/31/12

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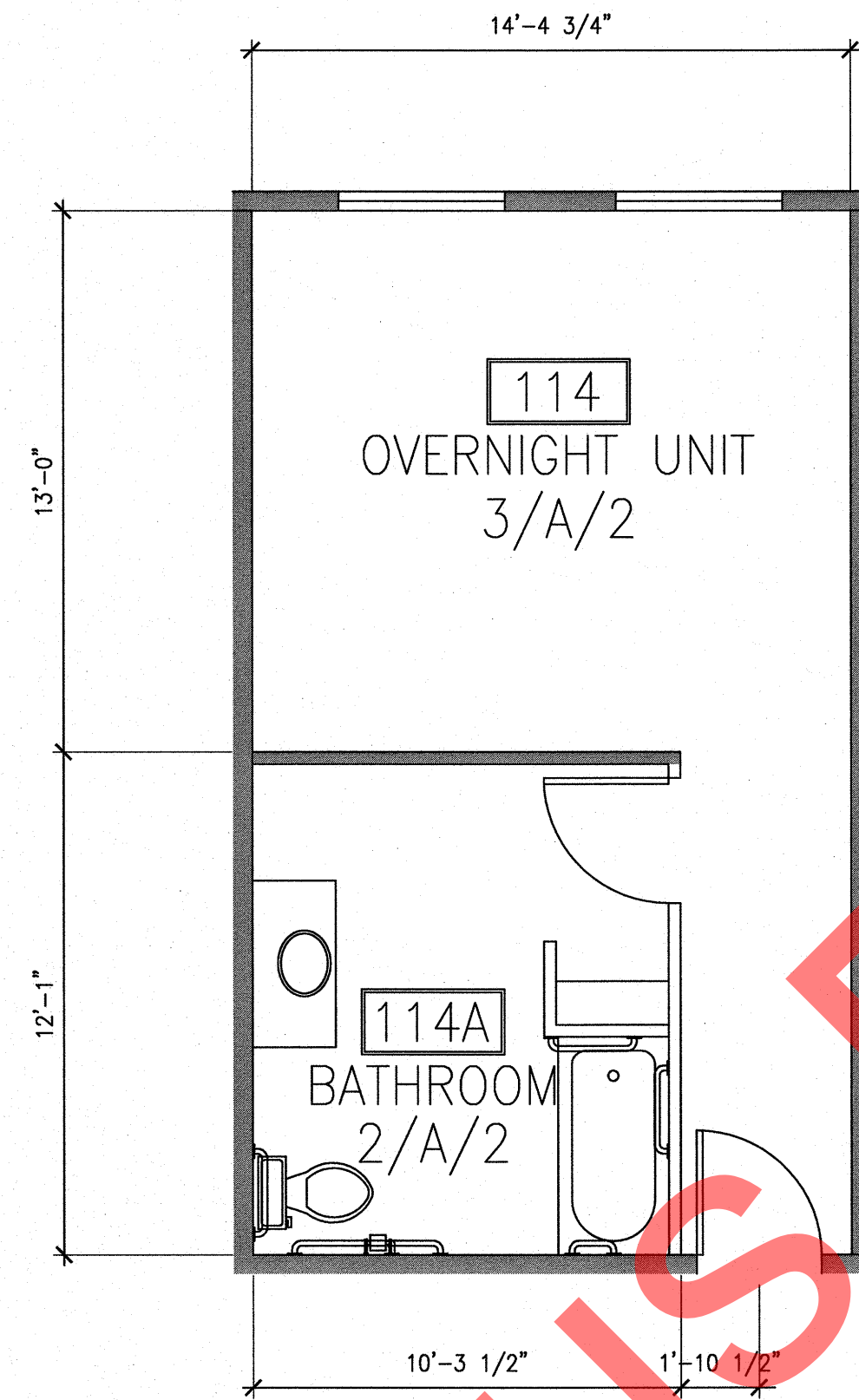
SHEET TITLE:
ENLARGED PLANS
FINISH SCHEDULE

SHEET NO.

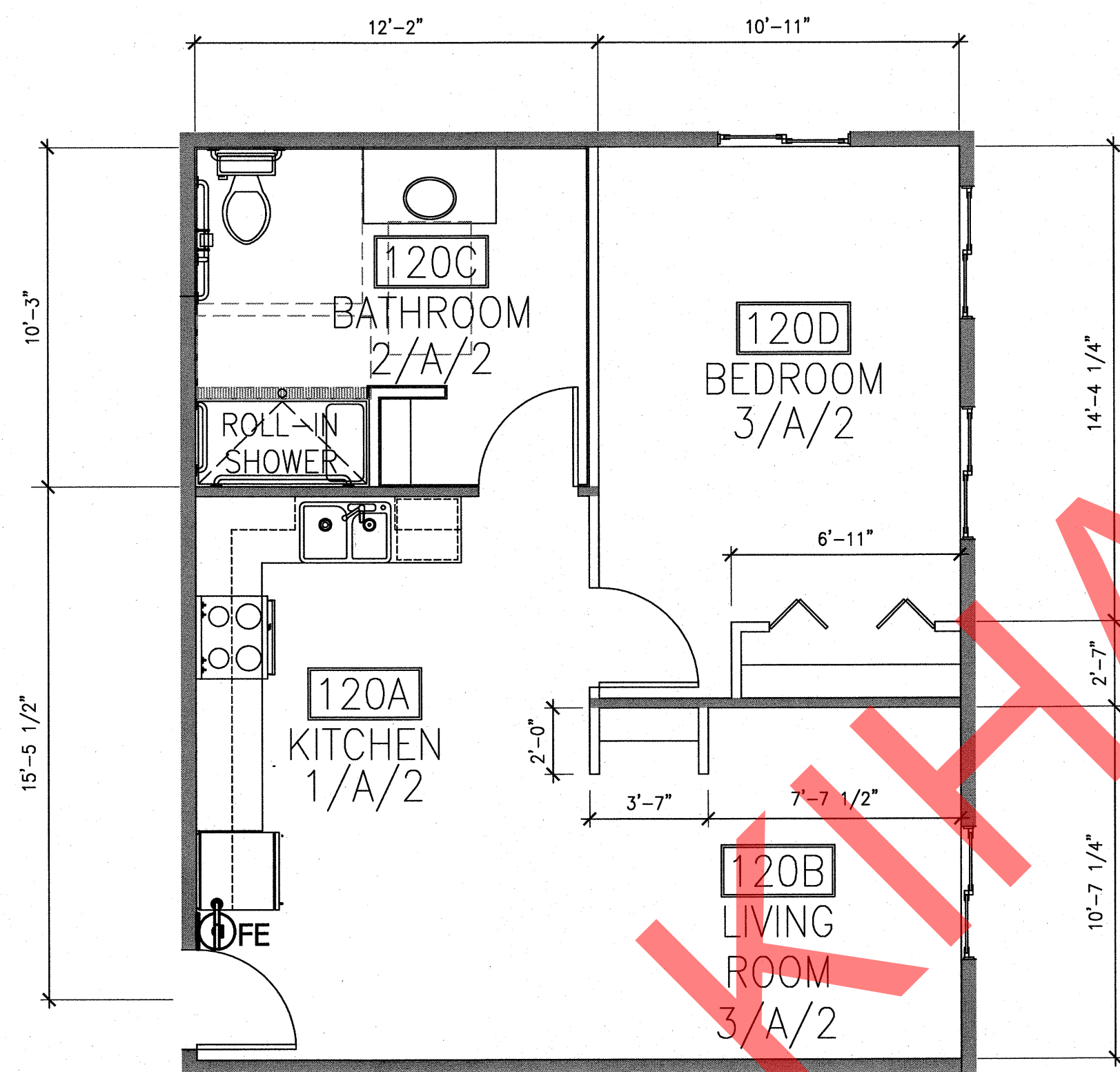
A1.12



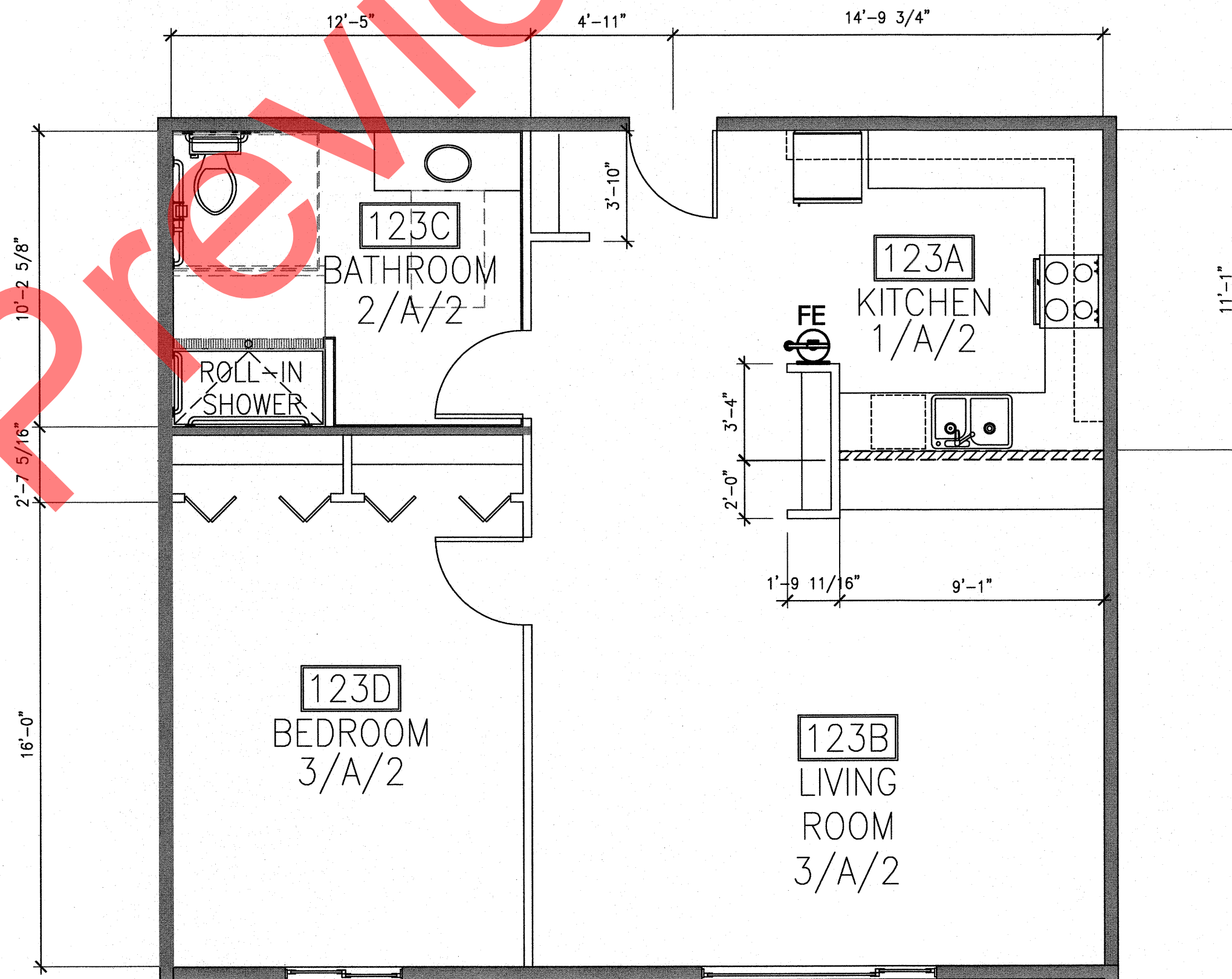
1 ENLARGED PLAN - UNIT 315, BATHROOM 316
A1.13 1/4" = 1'-0"



2 ENLARGED PLAN - UNITS 114,115
A1.13 1/4" = 1'-0"



3 ENLARGED PLAN - UNIT 120
A1.13 1/4" = 1'-0"



4 ENLARGED PLAN - UNIT 123,214
A1.13 1/4" = 1'-0"

FINISH SCHEDULE

Sample Finish Code: 1/A(B)/1

- └─ Ceiling Finish
- └─ Secondary Finish
- └─ Wall Finish
- └─ Floor Finish

Floor / Base:

1. Sheet Vinyl / Rubber Base
2. Sheet Vinyl / Flash Cove w/ Trim
3. Carpet / Rubber Base
4. Concrete

Walls:

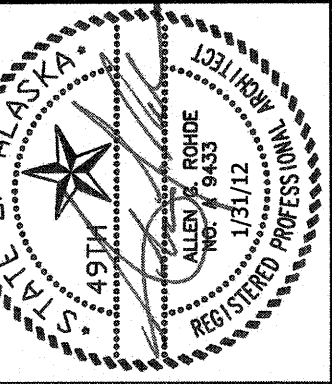
- A. GWB
- B. GWB With FRP to 48" A.F.F. w/ S.S. Trim
- C. Exposed Concrete Block Wall

Ceiling:

1. ACT
2. GWB
3. EXPOSED

Room Legend:

- Room Number: 102
Room Name: Office
Finish Code: 2/A(B)/1



Ronde
ASSOCIATES ARCHITECTS
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907)696-2960 fax (907)696-2962
arohde@rondeandassociatesinc.com

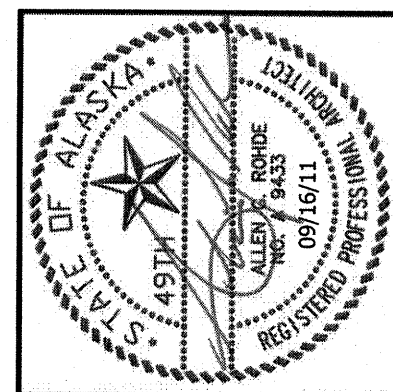
NEAR ISLAND SENIOR HOUSING
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NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11
4	DRAWING CLARIFICATIONS	01/31/12

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SHEET TITLE:
ENLARGED PLANS
FINISH SCHEDULE

SHEET NO.
A1.13



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 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 686-2840 fax (907) 690-2802
 arohde@rohdeandassociatesinc.com

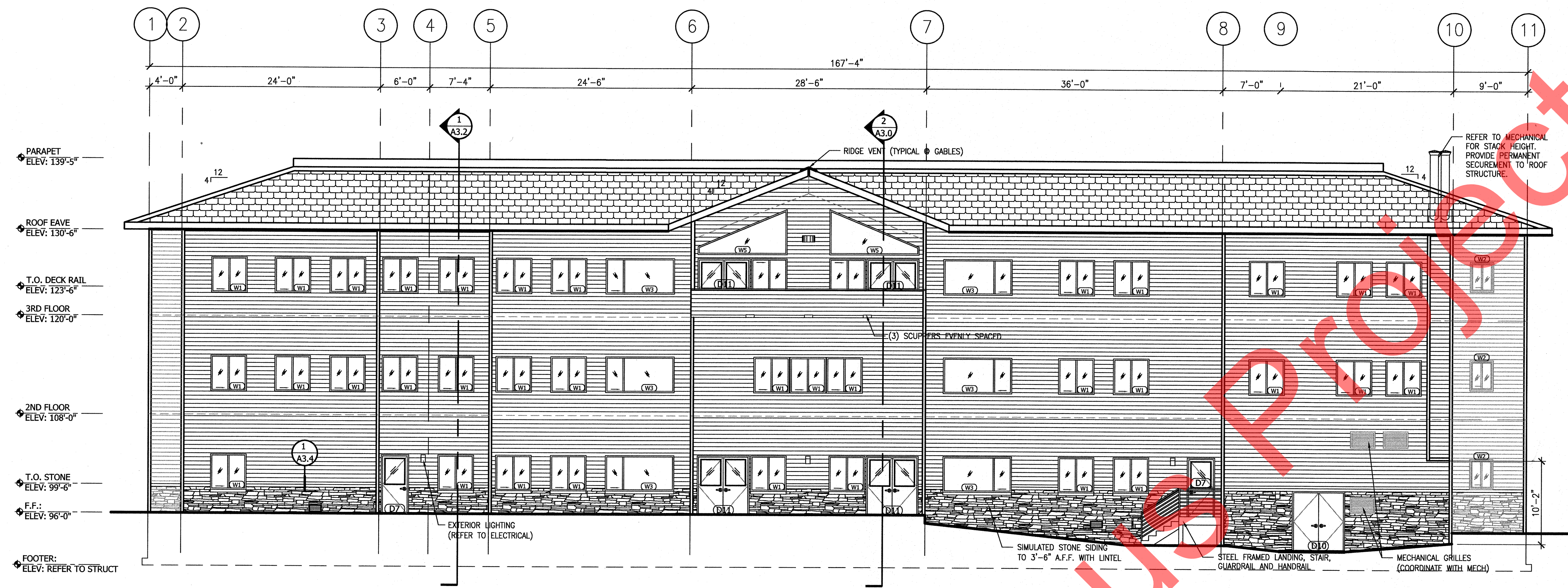
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NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

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SHEET TITLE:
 BUILDING ELEVATIONS

SHEET NO.
A2.0

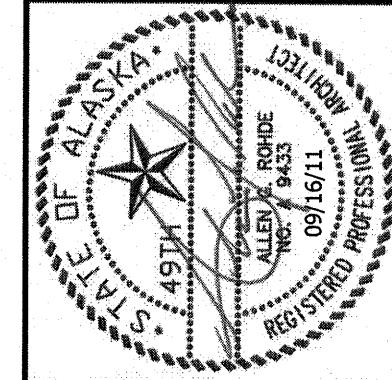


NORTH ELEVATION
 1/8" = 1'-0"



SOUTH ELEVATION
 1/8" = 1'-0"

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 Ph: (907) 666-2362
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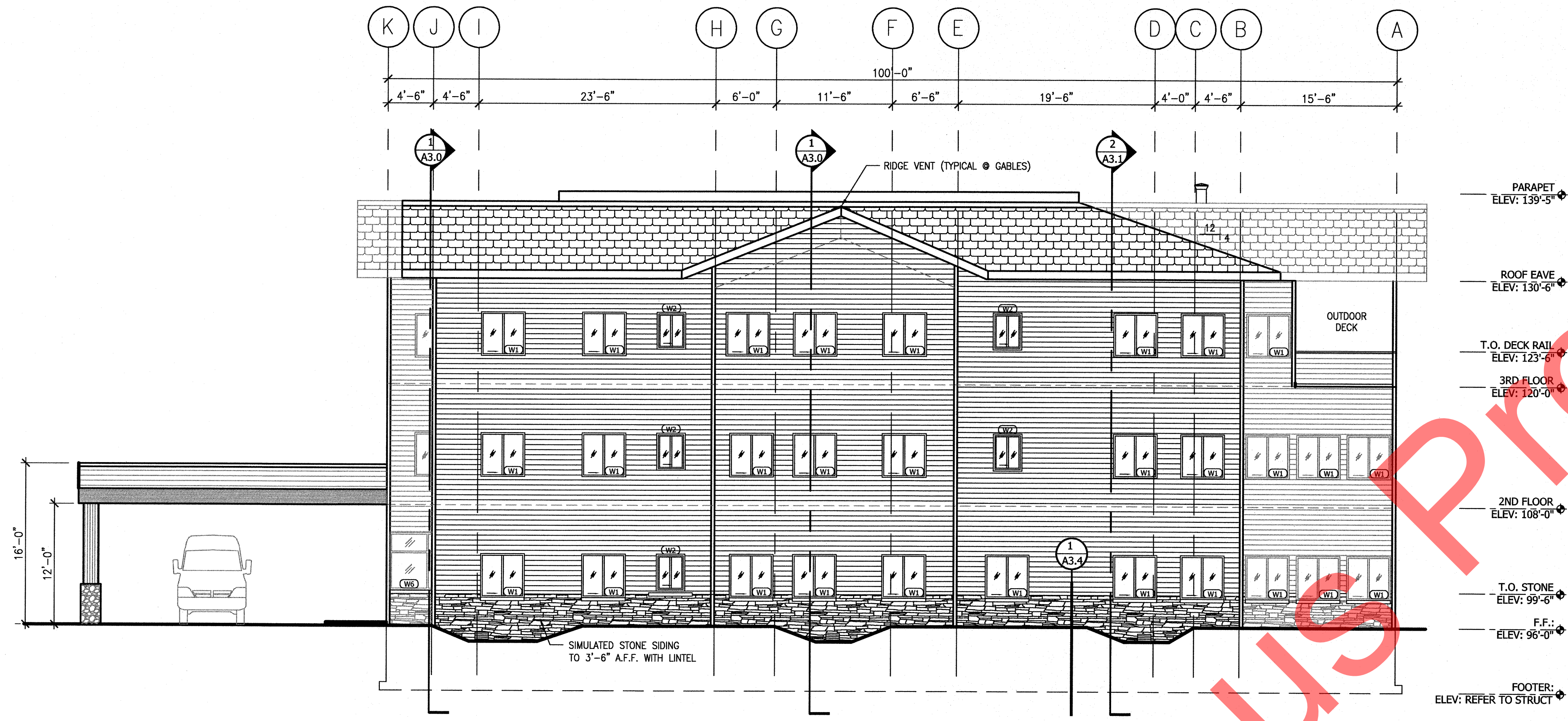
NEAR ISLAND SENIOR HOUSING
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1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

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SHEET TITLE:
 BUILDING ELEVATIONS

SHEET NO.
A2.1



EAST ELEVATION

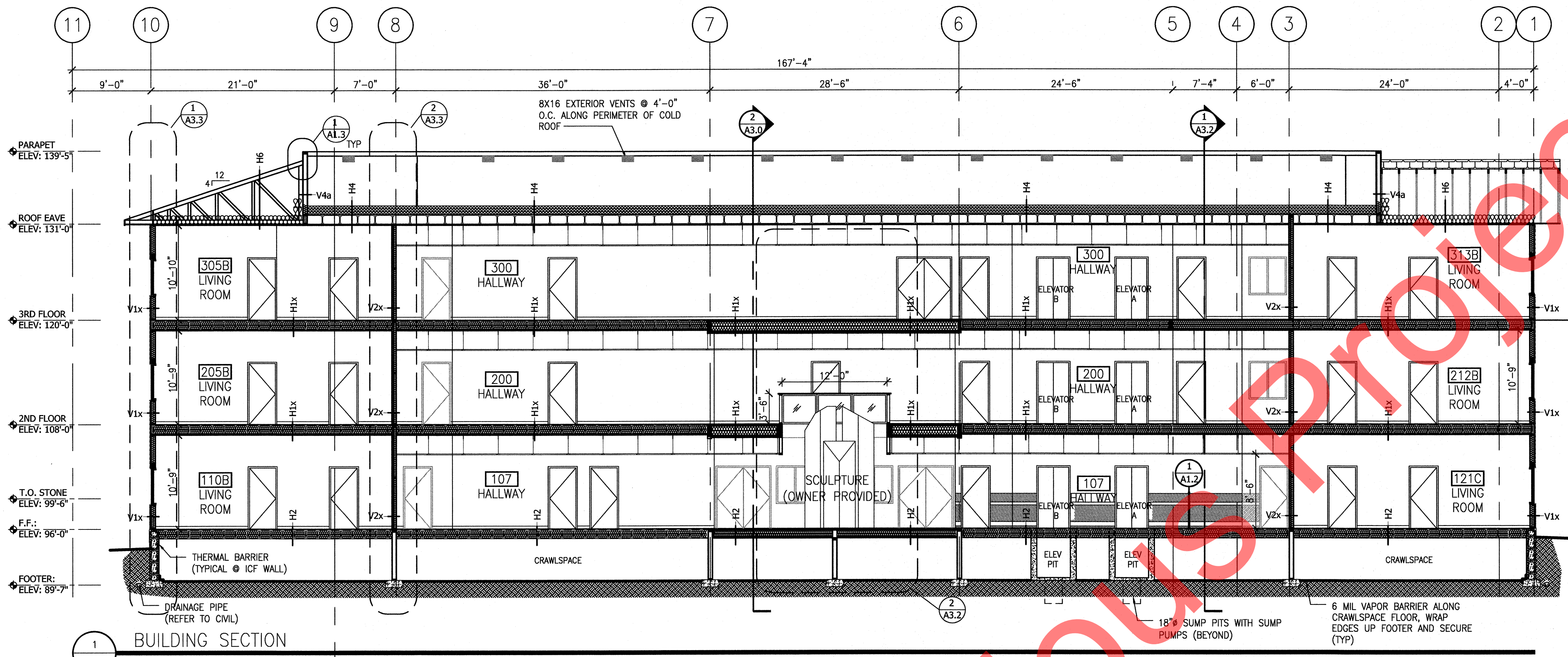
1/8" = 1'-0"



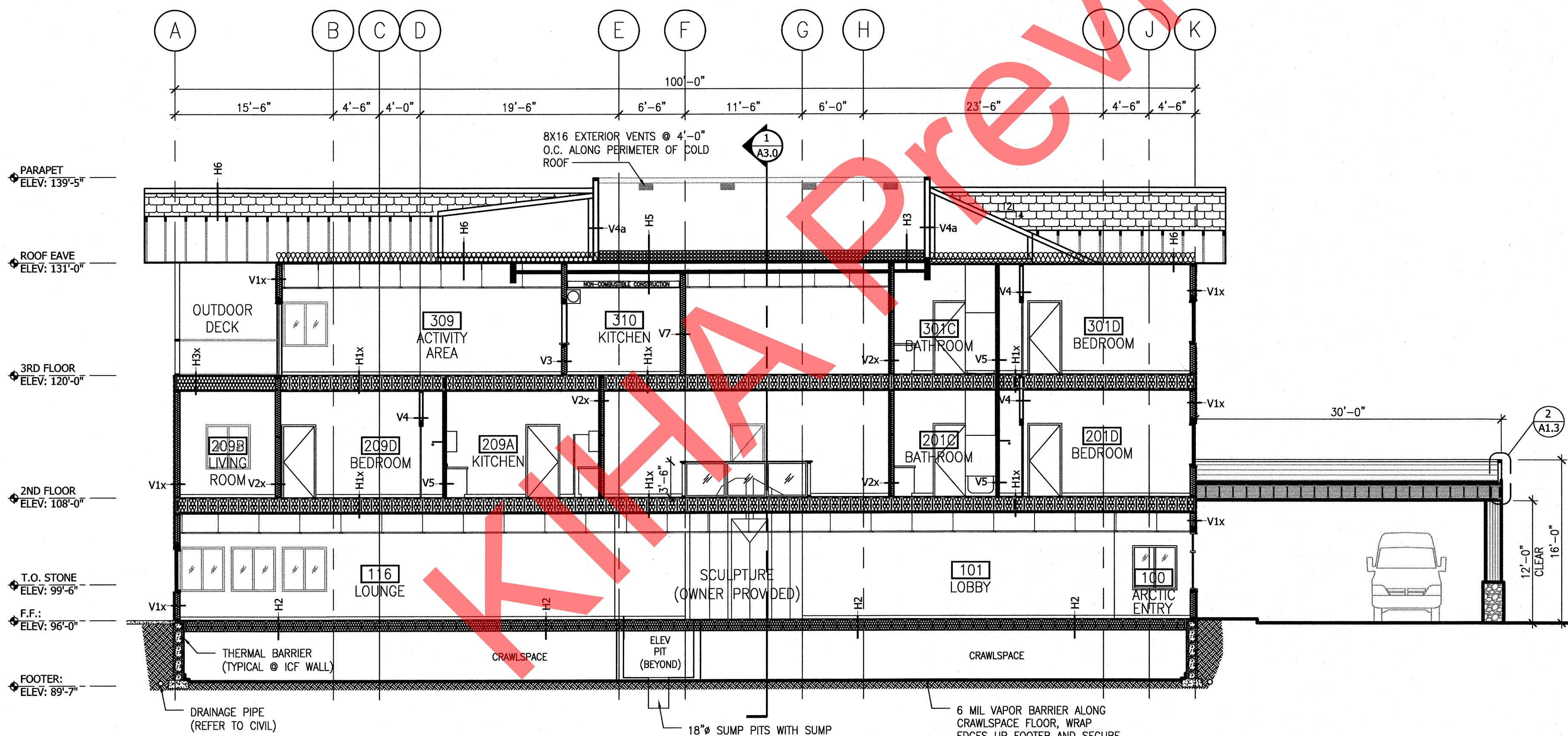
WEST ELEVATION

1/8" = 1'-0"

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1 BUILDING SECTION
1/8" = 1'-0"



2 BUILDING SECTION
1/8" = 1'-0"

ASSEMBLIES: ALL SUBFLOOR SHEATHING TO BE GLUED TO WOOD JOISTS AND SCREWED TO WOOD JOISTS

H1x FLOOR ASSEMBLY - 1 HR
STC = 55+ ICC-ESR 1336
FLOOR FINISH MATERIAL
(1) LAYER 3/4" T&G PLYWOOD
PRE-ENGINEERED WOOD JOISTS
SOUND BATT INSULATION
7/8" RESILIENT CHANNELS @ 24" O.C.
(2) LAYERS 5/8" TYPE "X" GYPSUM BOARD

H2 FLOOR ASSEMBLY
@ CRAWLSPACE
FLOOR FINISH MATERIAL
(1) LAYER 3/4" T&G PLYWOOD
PRE-ENGINEERED WOOD JOISTS
SOUND BATT INSULATION W/STRIPS

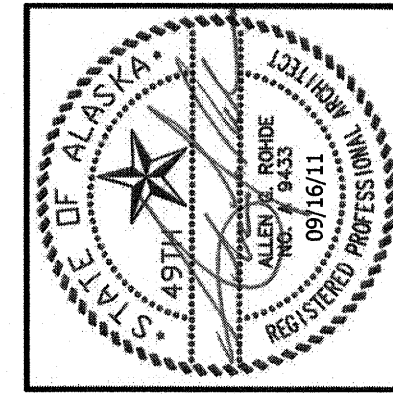
H3x FLOOR ASSEMBLY - 1 HR
@ OUTDOOR DECK ICC-ESR 1336
LOOSE LAID ARTIFICIAL TURF (BREATHABLE)
PVC ROOFING (SELF ADHERED)
(1) LAYER 3/4" T&G PLYWOOD
R-38 BATT INSULATION
PRE-ENGINEERED WOOD JOISTS
VAPOR BARRIER
7/8" RESILIENT CHANNELS @ 16" O.C.
(2) LAYERS 5/8" TYPE "X" GYPSUM BOARD

H4x ROOF ASSEMBLY - 1 HR
ICC-ESR 1336
PVC ROOFING
1/2" RECOVERY BOARD
TAPERED RIGID INSULATION (AVG R-38)
STRUCTURAL SHEATHING
ROOF STRUCTURE
VAPOR BARRIER
7/8" RESILIENT CHANNEL @ 16" O.C.
(2) LAYERS 5/8" TYPE "X" GYPSUM BOARD
AIR SPACE
6" STEEL C-CHANNEL JOISTS
(1) LAYER 5/8" GYPSUM BOARD

H5x ROOF ASSEMBLY @ COMMERCIAL KITCHEN - 1 HR
ICC-ESR 1336
ARCHITECTURAL SHINGLES
ICE & WATER SHIELD
3/4" T&G PLYWOOD
PRE-ENGINEERED WOOD TRUSSES
BATT INSULATION (R-38 AVERAGE)
(2) LAYERS 5/8" TYPE "X" GYPSUM BOARD

H6x ROOF ASSEMBLY - 1 HR
GA FILE NO RC 2602
PVC ROOFING
1/2" RECOVERY BOARD
TAPERED RIGID INSULATION FOR SLOPE
STRUCTURAL SHEATHING
ROOF STRUCTURE
(2) LAYERS 5/8" TYPE "X" EXTERIOR SOFFIT GYPSUM BOARD
EXTERIOR VINYL NON-VENTED SOFFIT BOARD

H7 ROOF ASSEMBLY - 1 HR
ICC-ESR 1336



Ronde ASSOCIATES ARCHITECTS, INC.
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 966-2500 fax (907) 966-2502
aronde@rondeassociates.com

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KODIAK, ALASKA

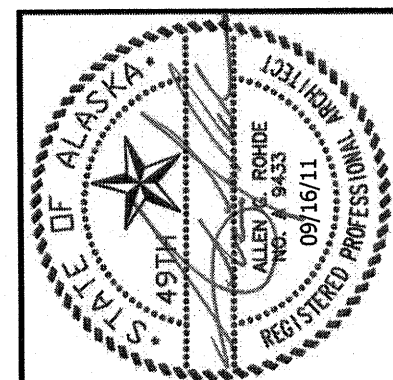
NO.	REVISION	DATE
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3	RESPONSE TO COMMENTS	09/16/11

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SHEET TITLE:
BUILDING SECTIONS

SHEET NO.
A3.0

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 architecture planning design/build
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 ph. (907) 696-2560
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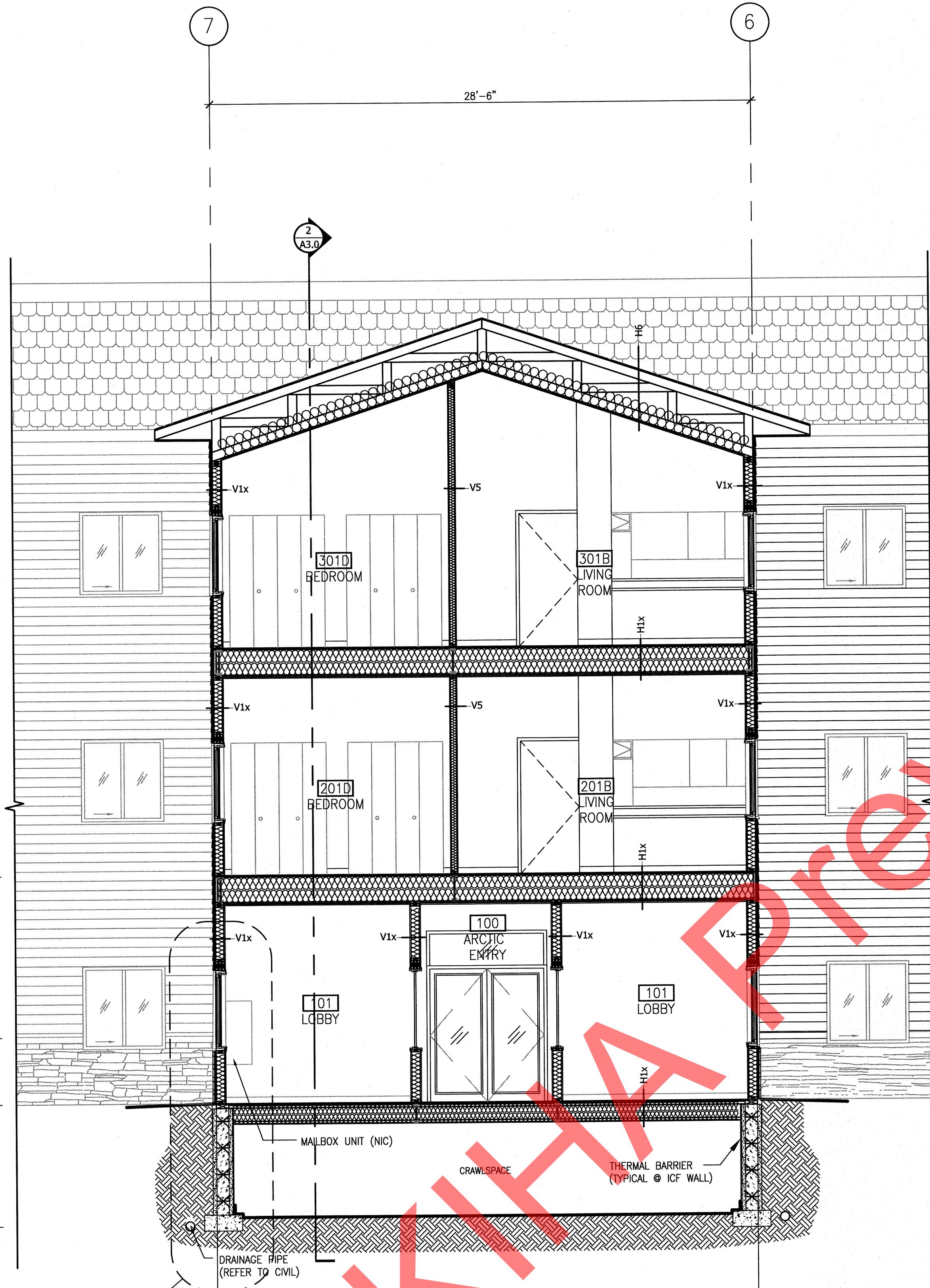
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3	RESPONSE TO COMMENTS	09/16/11

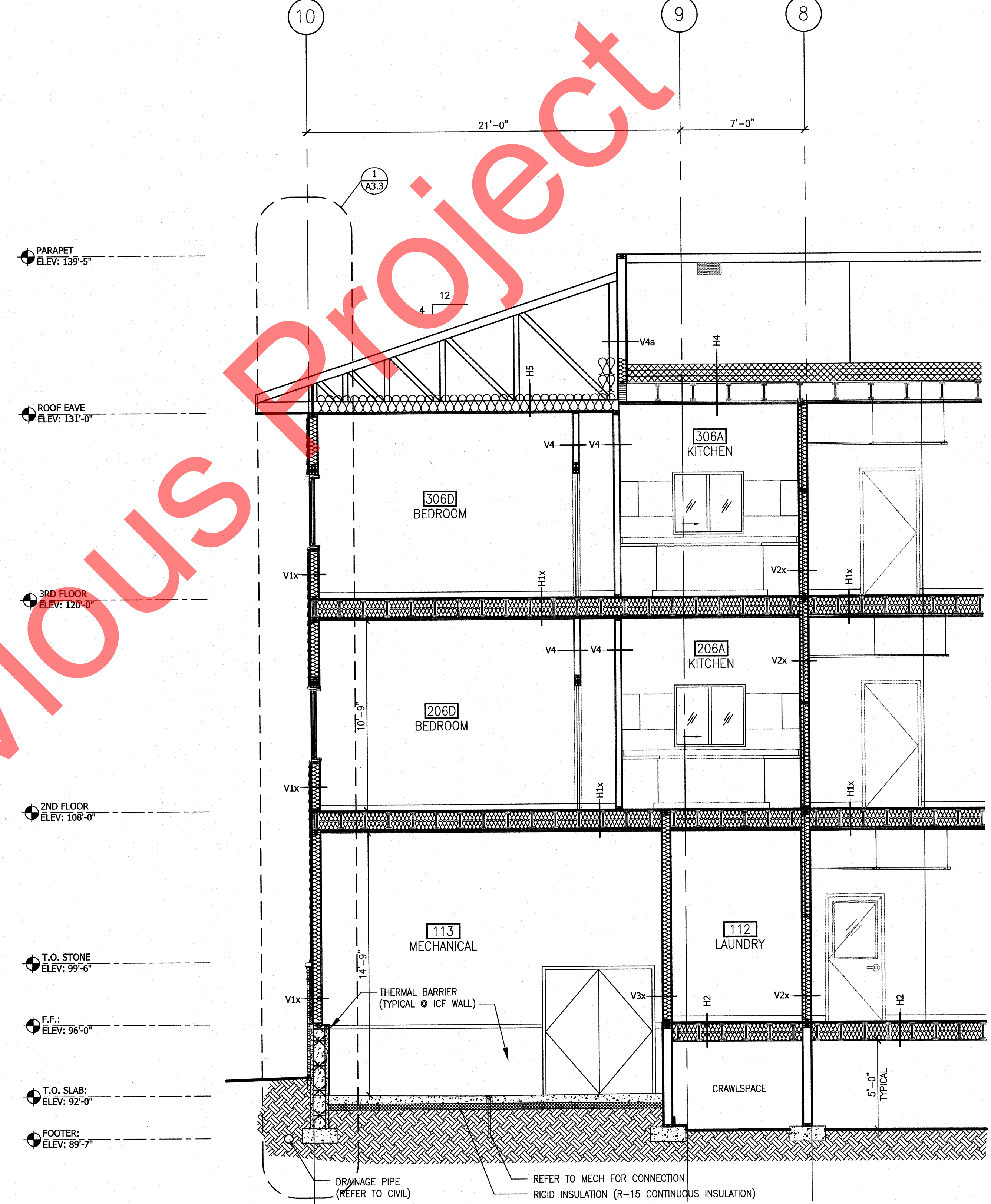
JOB NO. 1002
 DATE March 11, 2011
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SHEET TITLE:
 PARTIAL BUILDING SECTIONS

SHEET NO.
A3.1

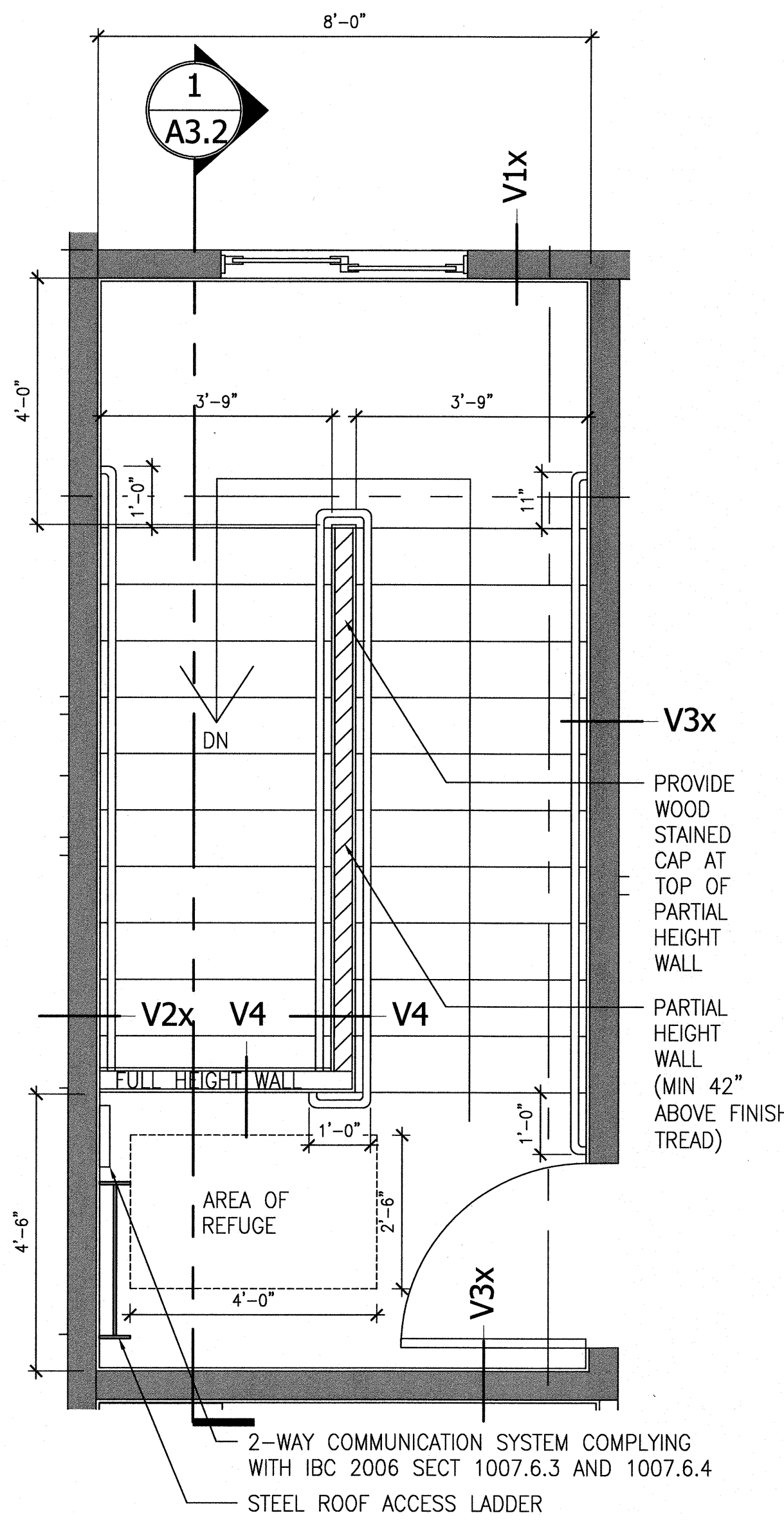


1 PARTIAL BUILDING SECTION
 A3.1 1/4" = 1'-0"

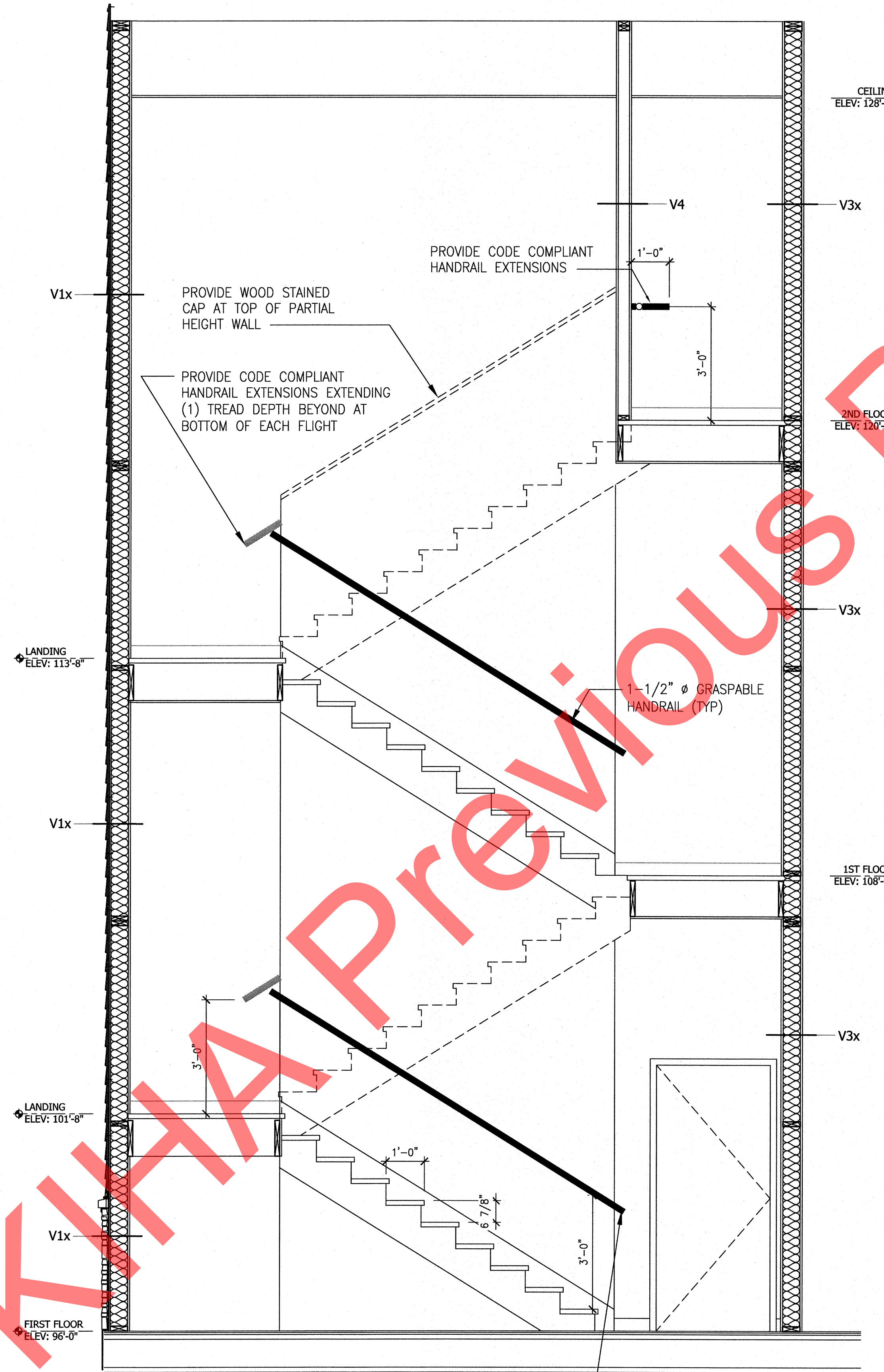


2 PARTIAL BUILDING SECTION
 A3.1 1/4" = 1'-0"

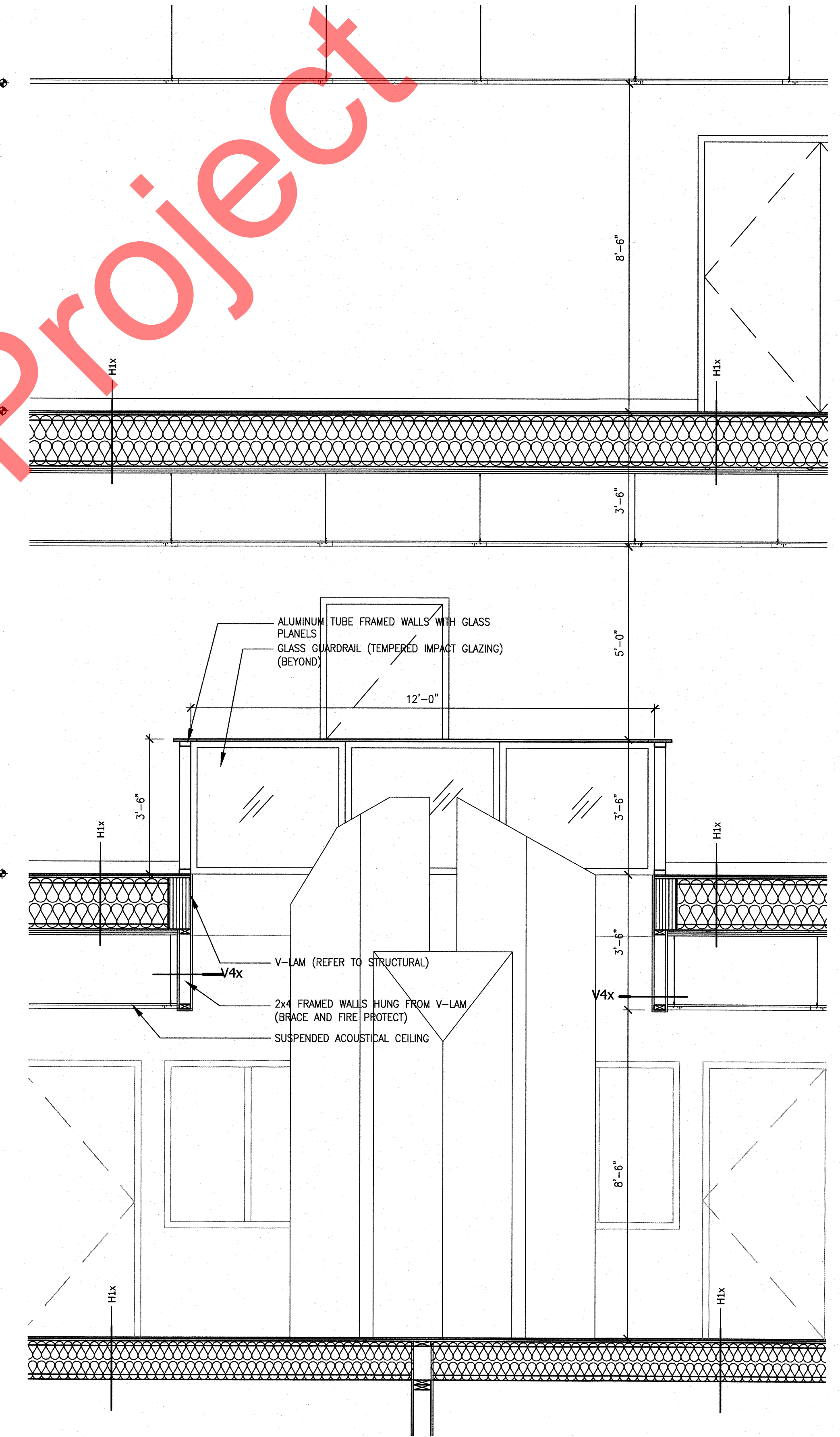
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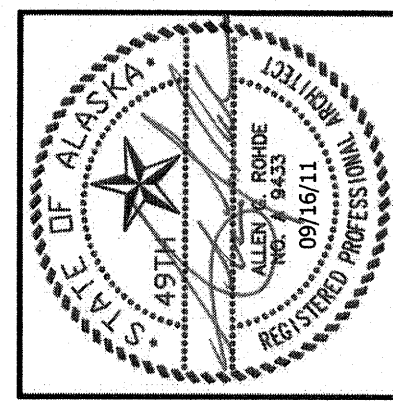
0 ENLARGED PLAN - STAIR B
A3.2 1/2" = 1'-0"



1 STAIR B - SECTION
A3.2 1/2" = 1'-0"



2 ENLARGED SECTION
A3.2 1/2" = 1'-0"



Rohde
ASSOCIATES ARCHITECTS
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
Ph: (907) 946-2960
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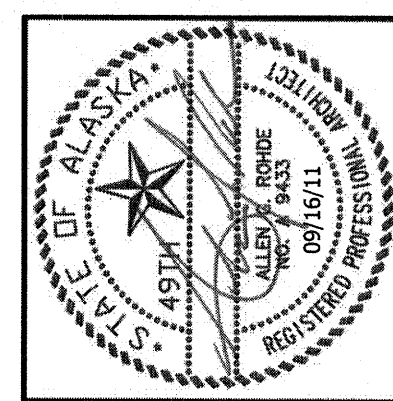
NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

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SHEET TITLE:
PARTIAL BUILDING SECTIONS

SHEET NO.
A3.2

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 ASSOCIATES ARCHITECTS
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 666-2962
 arobde@robdeandassociatesinc.com

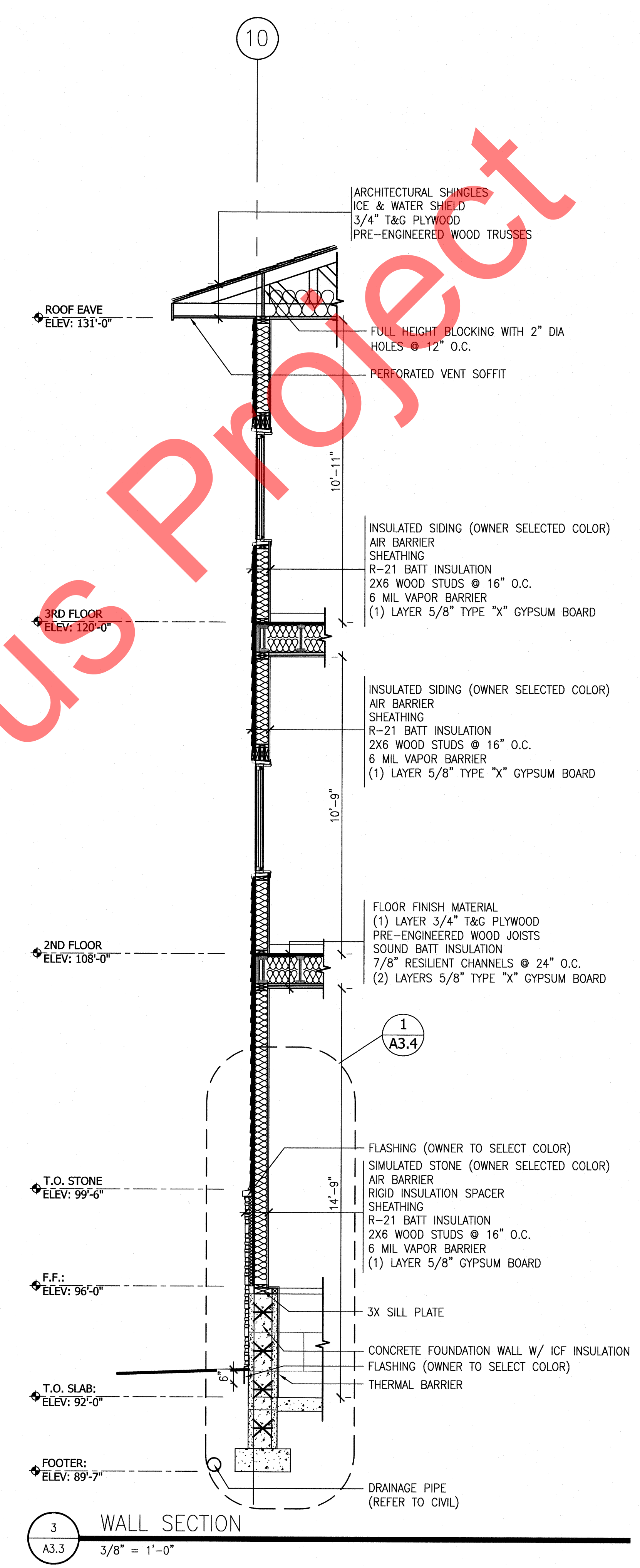
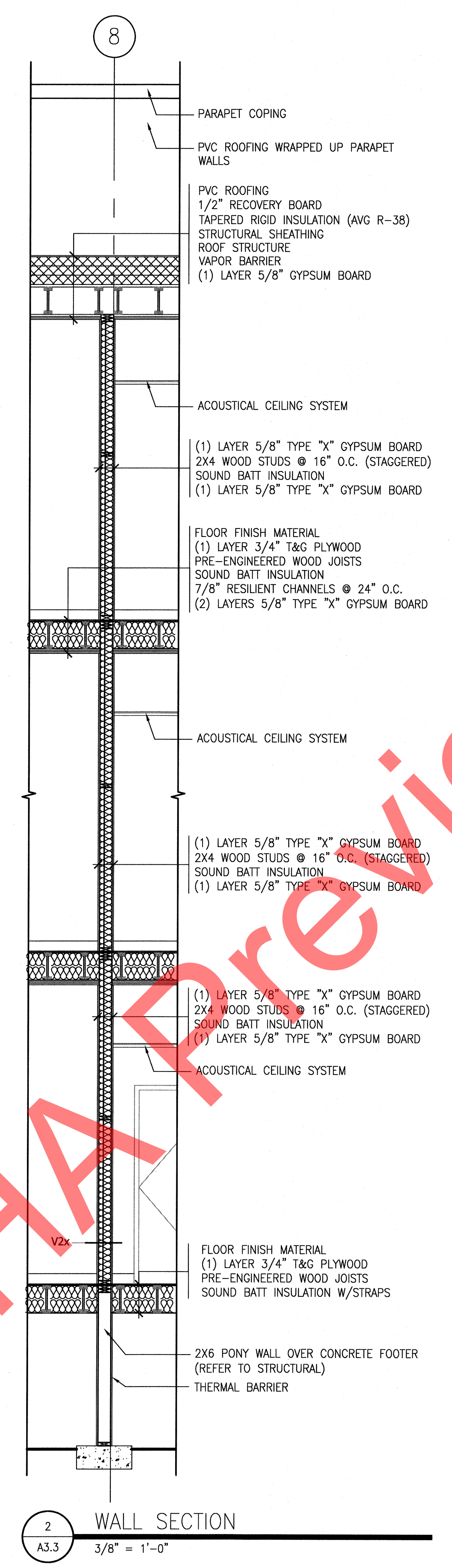
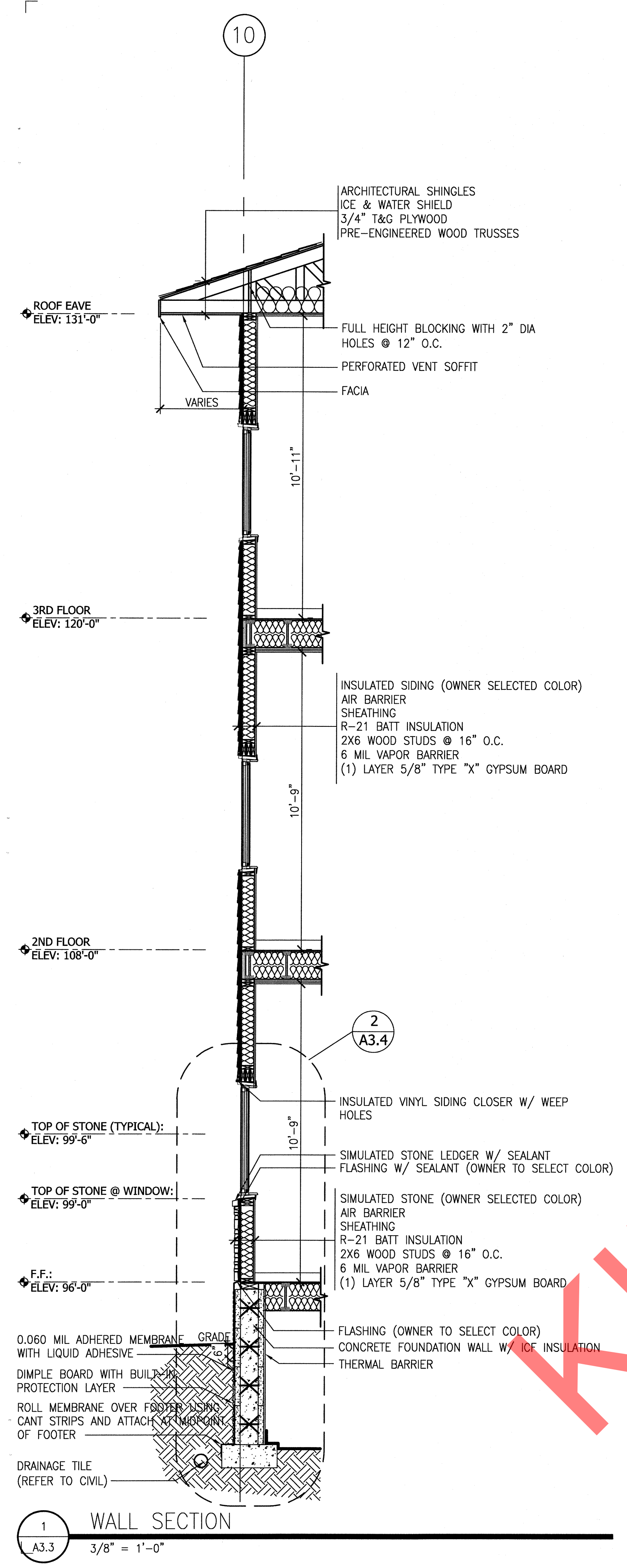
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NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

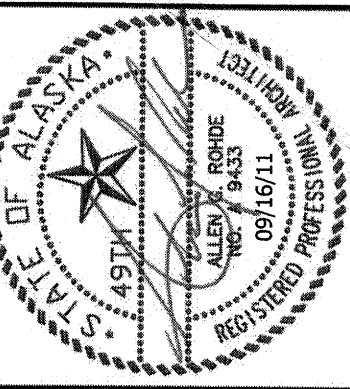
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SHEET TITLE:
 WALL SECTIONS

SHEET NO.
A3.3



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 ph. (907)896-2960 fax (907)896-2962
 arohde@rohdeandassociates.com

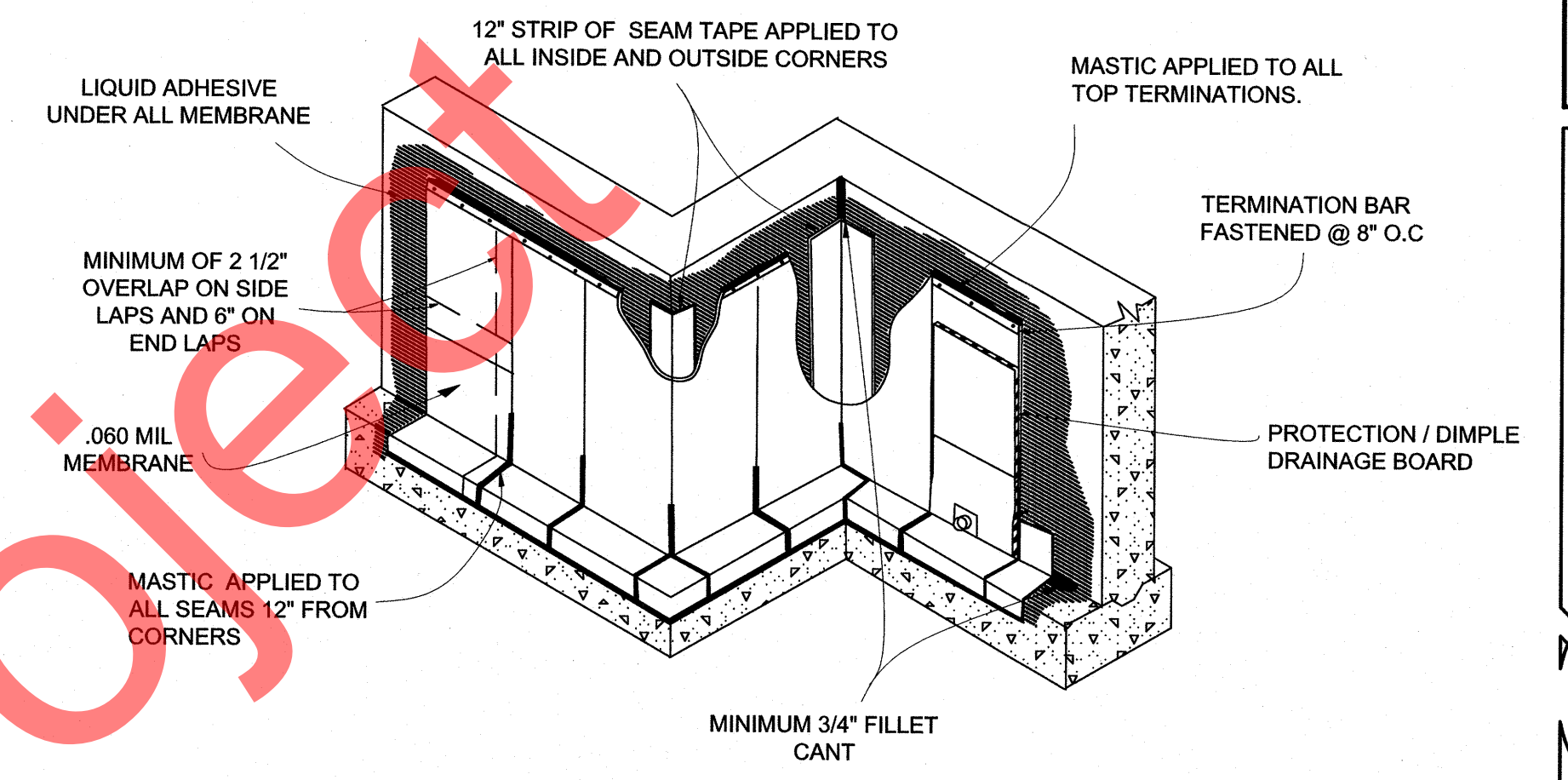
NEAR ISLAND SENIOR HOUSING
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NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

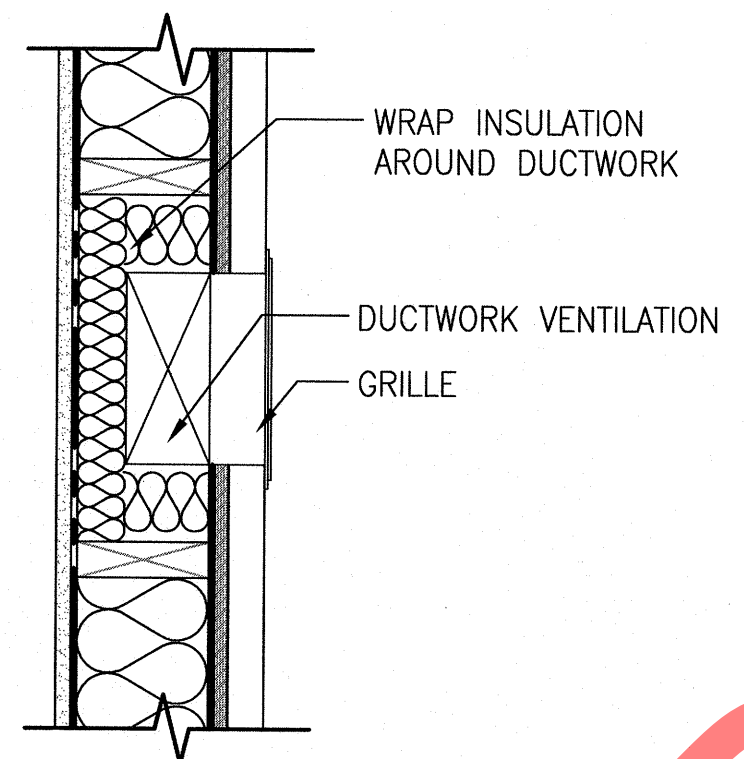
JOB NO.	1002
DATE	March 11, 2011
DRAWN	MPW
REVIEWED	AGR

SHEET TITLE:
 WALL SECTIONS

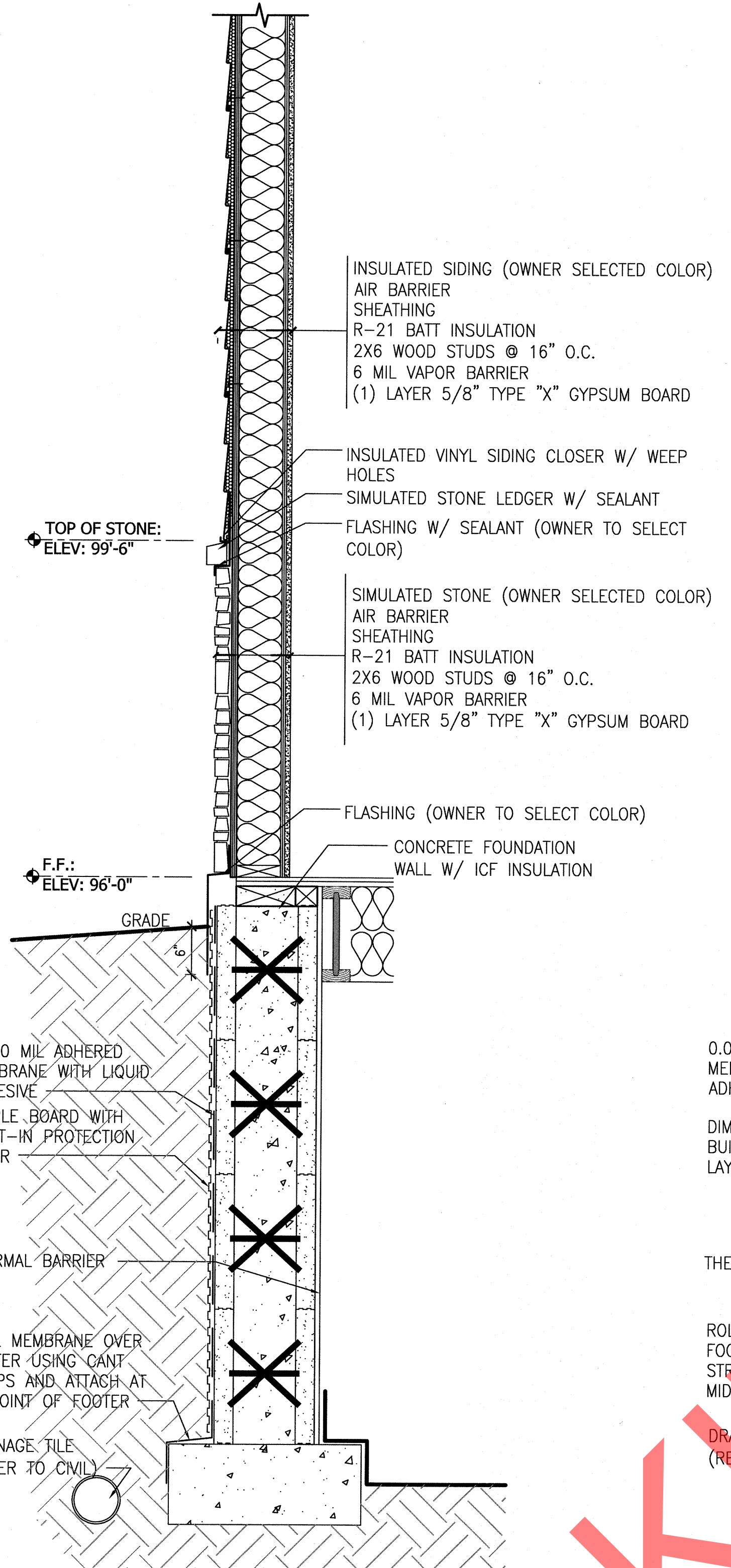
SHEET NO.
A3.4



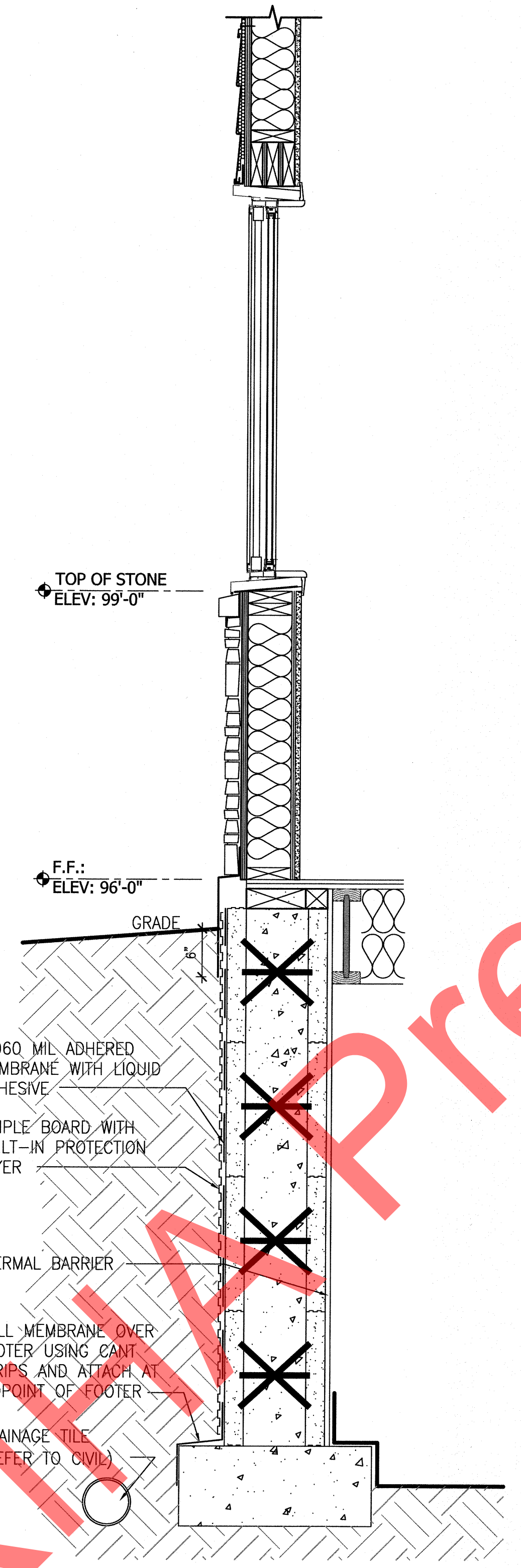
4 FOUNDATION WATERPROOFING DETAIL
 1/4" = 1'-0"



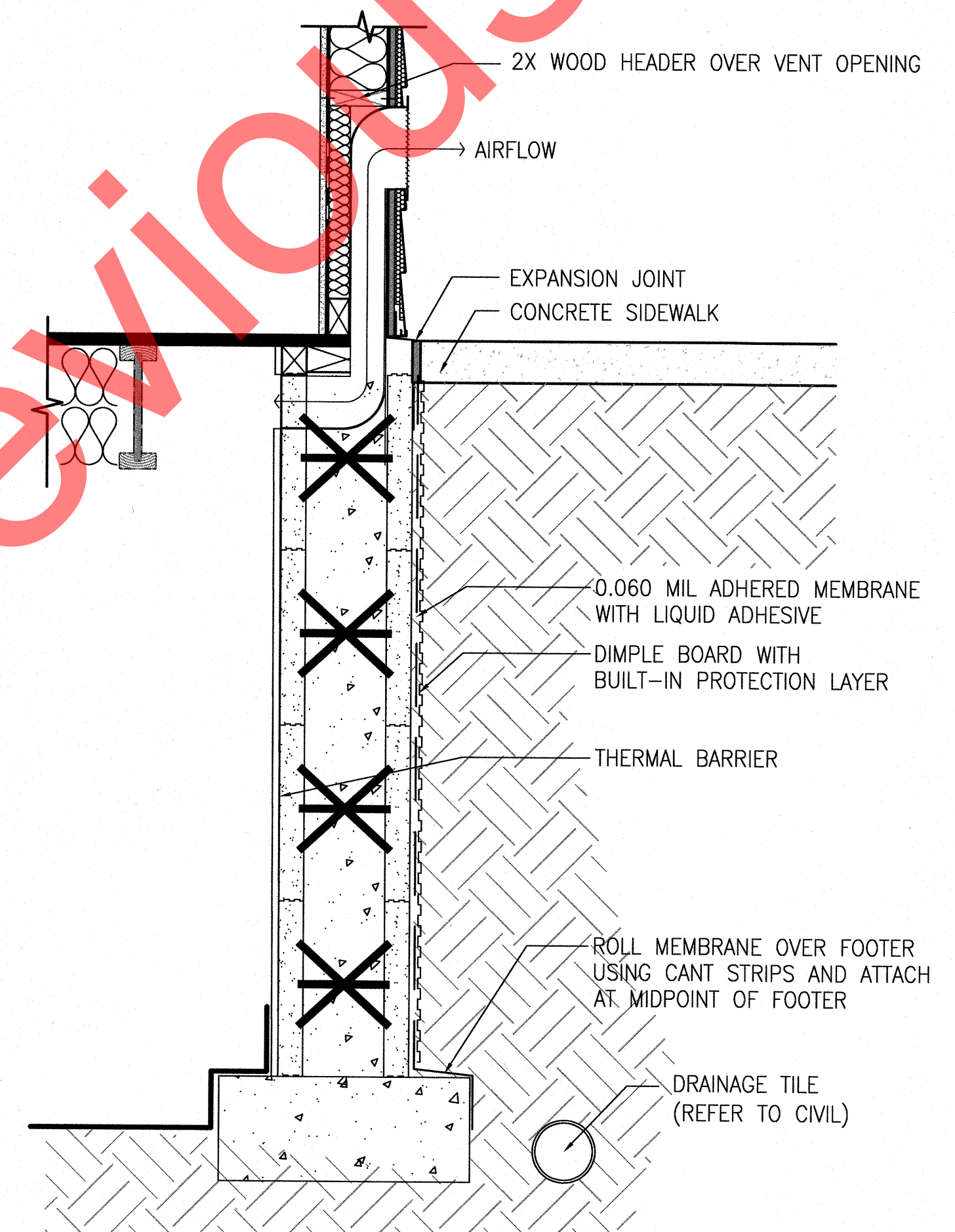
3 DETAIL
 1-1/2" = 1'-0"



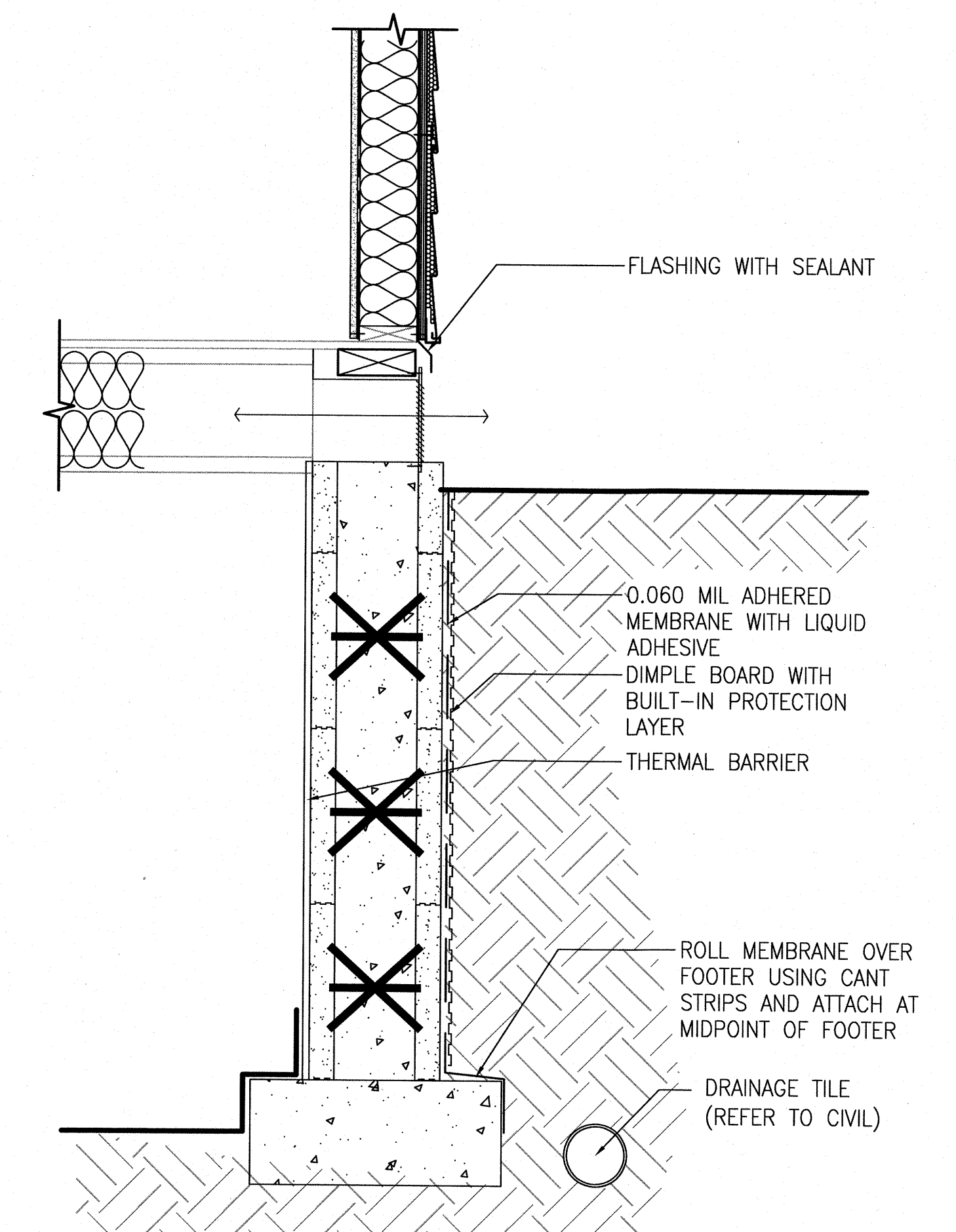
1 PARTIAL WALL SECTION
 1" = 1'-0"



2 PARTIAL WALL SECTION
 1" = 1'-0"

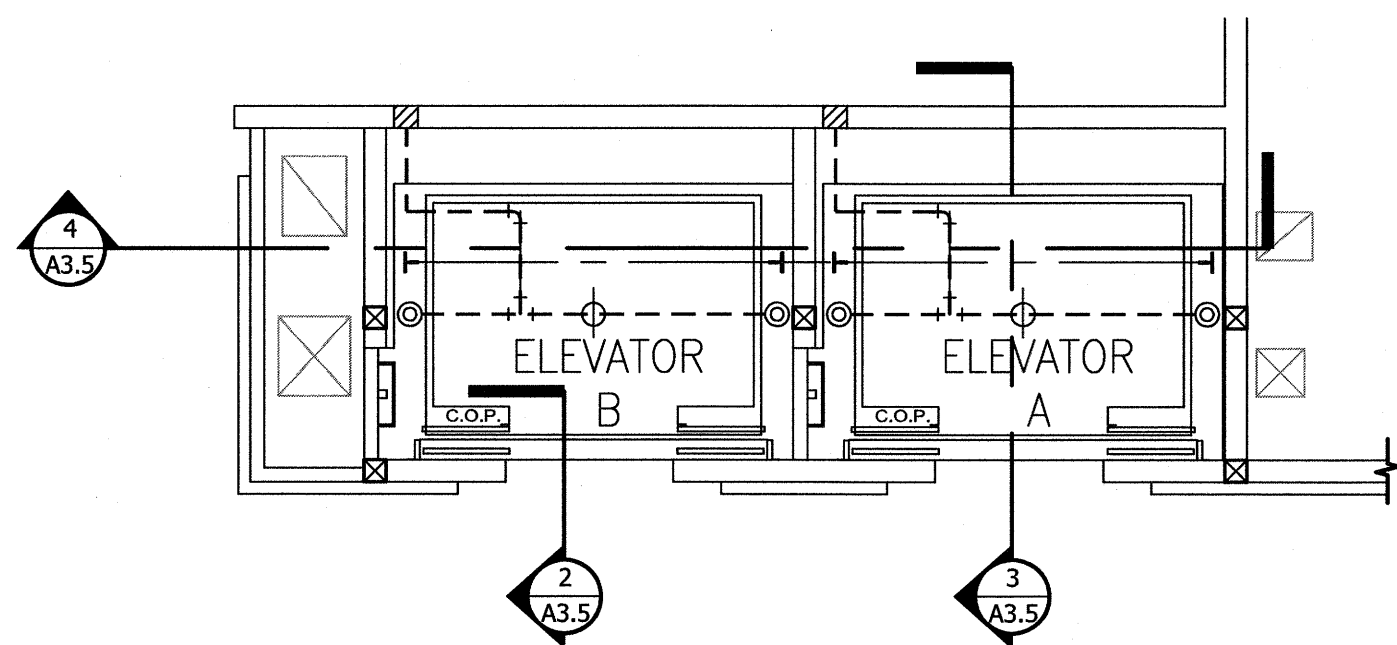


5 PARTIAL WALL SECTION
 1" = 1'-0"

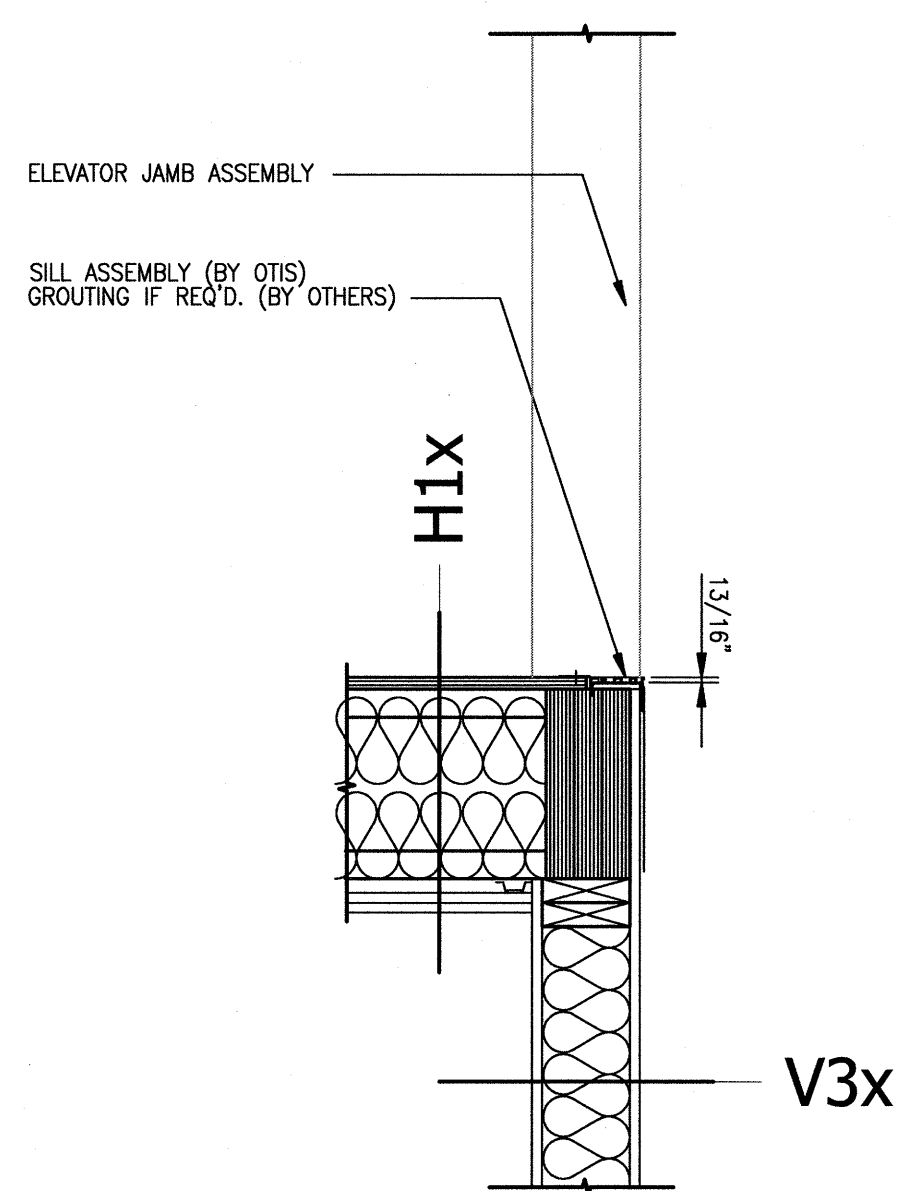


6 PARTIAL WALL SECTION
 1" = 1'-0"

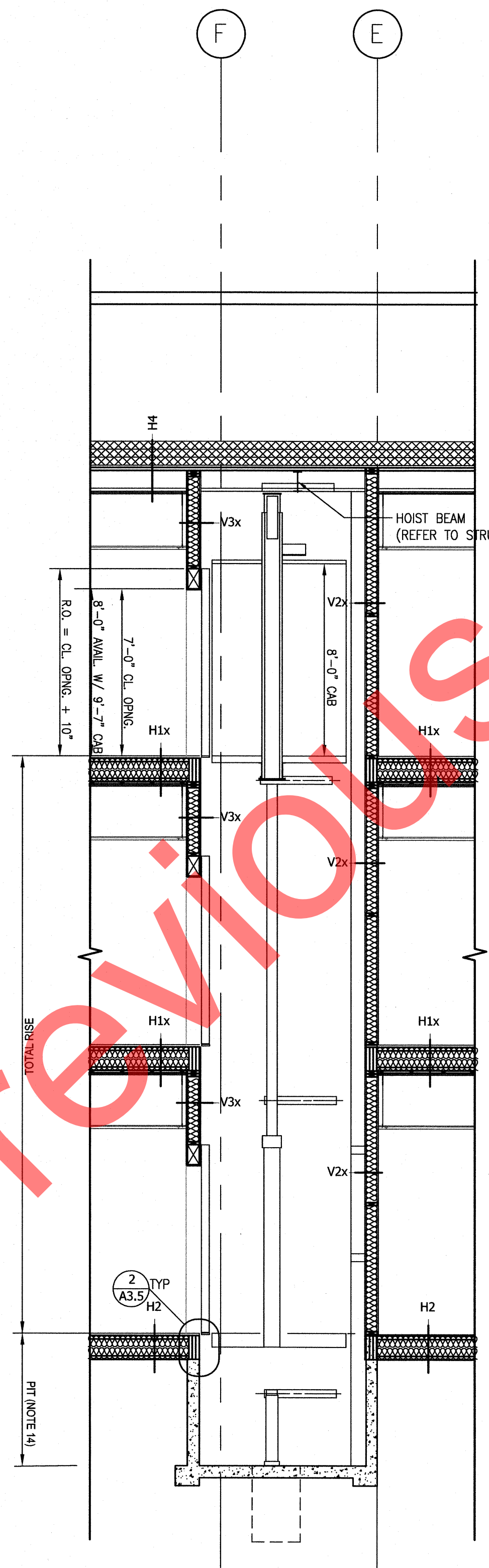
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1
A3.5
ENLARGED PLAN
1/4" = 1'-0"

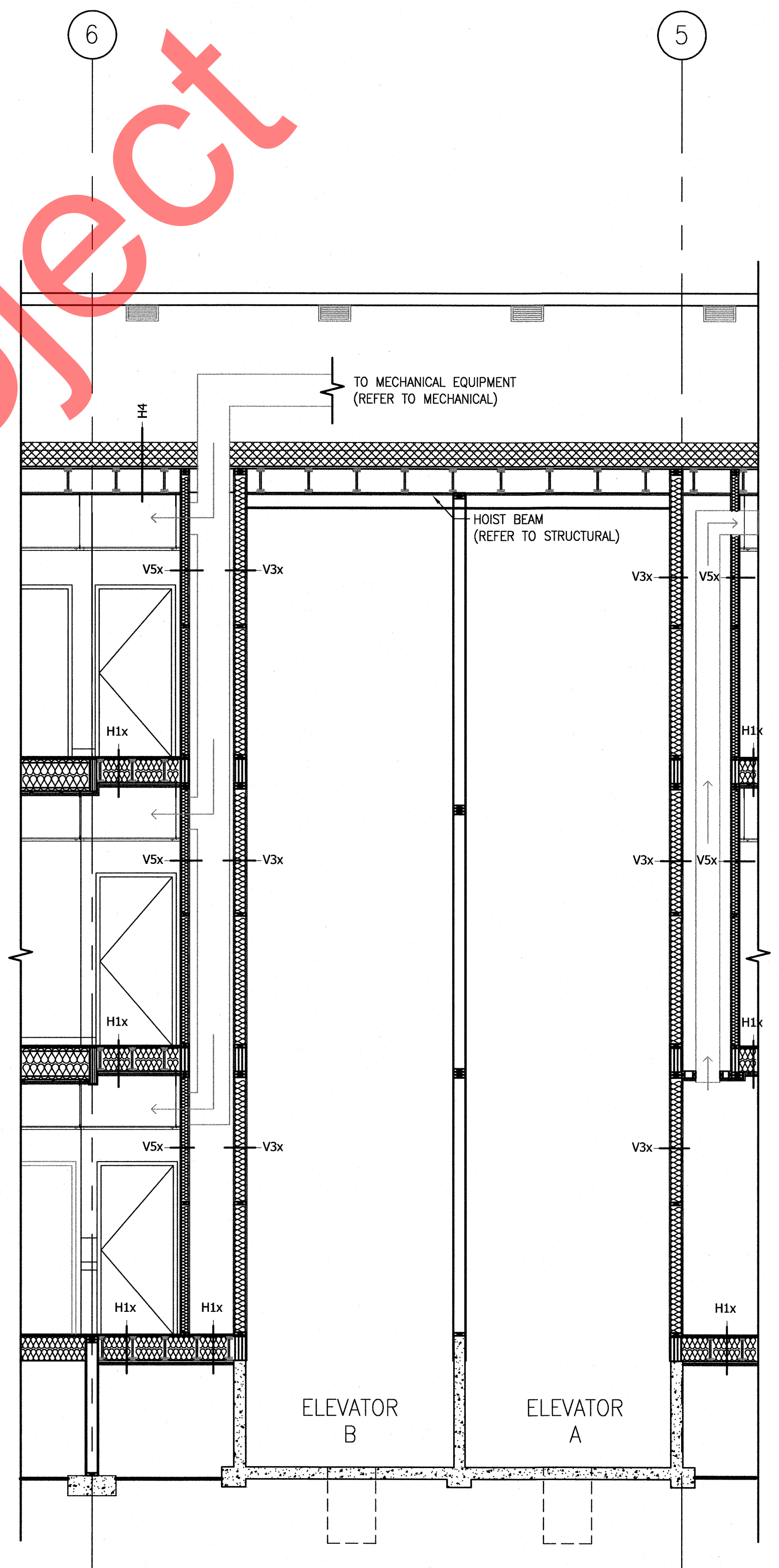


2
A3.5
ELEVATOR SILL DETAIL
1" = 1'-0"



NOTE:
 1. THE VERTICAL ELEVATOR SHAFT CAN BE CONSTRUCTED AS THE WALL TYPES LISTED ABOVE OR IT CAN BE CONSTRUCTED AS A SHAFTWALL SYSTEM. IT IS THE CONTRACTOR'S PREFERENCE. THE ELEVATOR SHAFTS SHALL BE CONSTRUCTED AS A 1-HOUR ASSEMBLY WITH ALL PENETRATIONS SEALED.
 2. REFER TO ELEVATOR MANUFACTURER FOR CRITICAL DIMENSIONS.
 3. PROVIDE FIRE BLOCKING AND DRAFTSTOPPING IN ACCORDANCE WITH IBC 2006 SECT. 717.

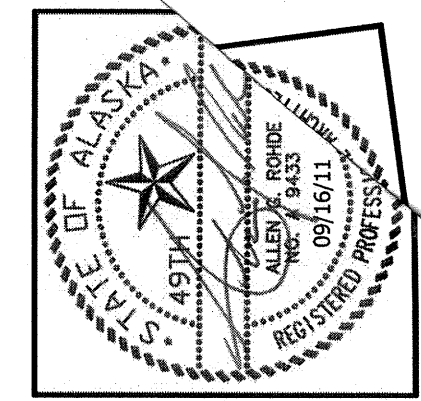
3
A3.5
PARTIAL BUILDING SECTION
1/4" = 1'-0"



NOTE:
 1. THE VERTICAL ELEVATOR SHAFT CAN BE CONSTRUCTED AS THE WALL TYPES LISTED ABOVE OR IT CAN BE CONSTRUCTED AS A SHAFTWALL SYSTEM. IT IS THE CONTRACTOR'S PREFERENCE. THE ELEVATOR SHAFTS SHALL BE CONSTRUCTED AS A 1-HOUR ASSEMBLY WITH ALL PENETRATIONS SEALED.
 2. REFER TO ELEVATOR MANUFACTURER FOR CRITICAL DIMENSIONS.
 3. PROVIDE FIRE BLOCKING AND DRAFTSTOPPING IN ACCORDANCE WITH IBC 2006 SECT. 717.

4
A3.5
PARTIAL BUILDING SECTION
1/4" = 1'-0"

KIHHA PREVIOUS PROJECT



Rodde
 ASSOCIATES ARCHITECTS
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907)696-2960 fax (907)696-2962
 arodge@roddeassociatesinc.com

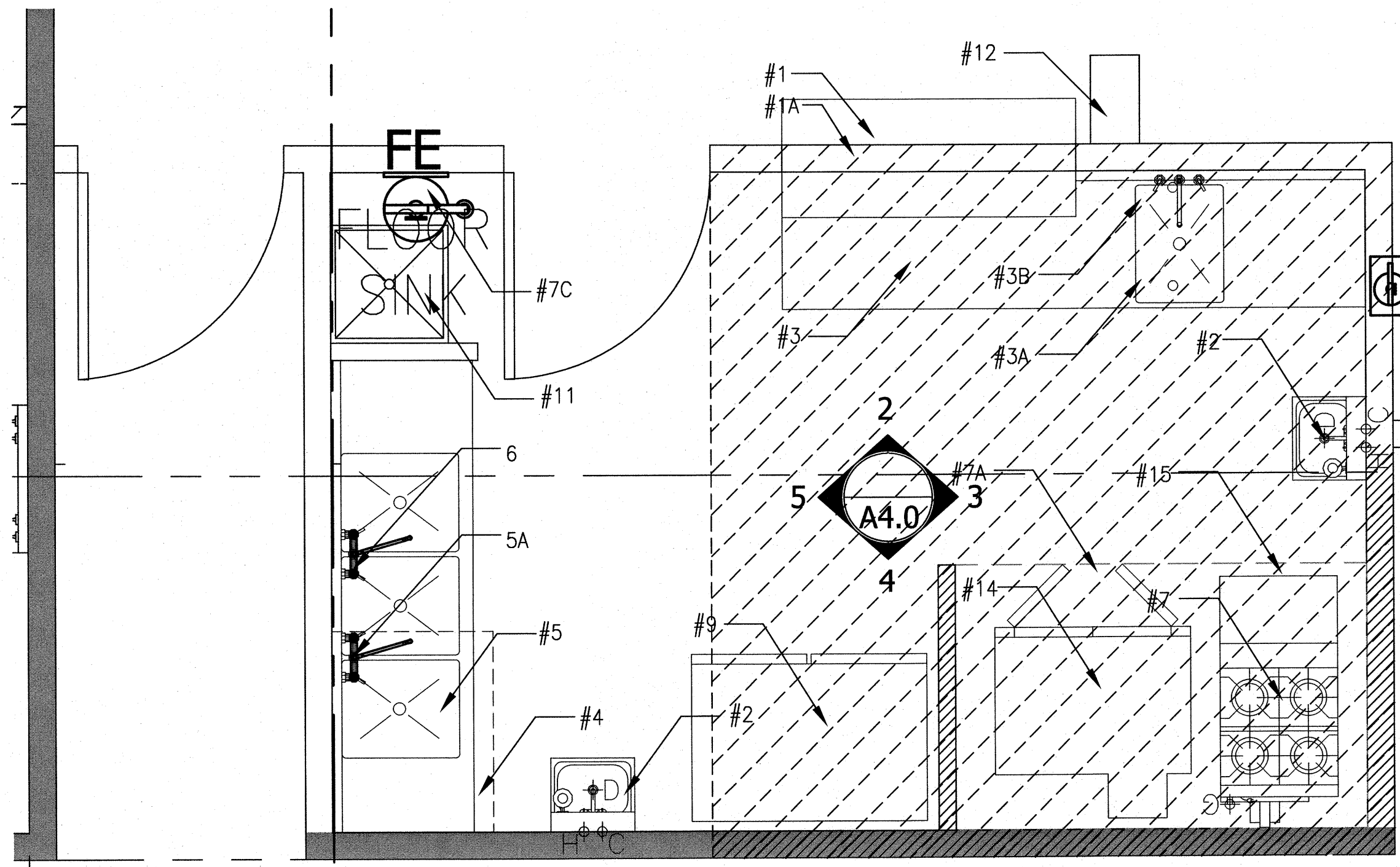
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 KODIAK, ALASKA

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2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

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 DATE March 11, 2011
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SHEET TITLE:
 PARTIAL ELEVATOR SECTIONS
 DETAILS

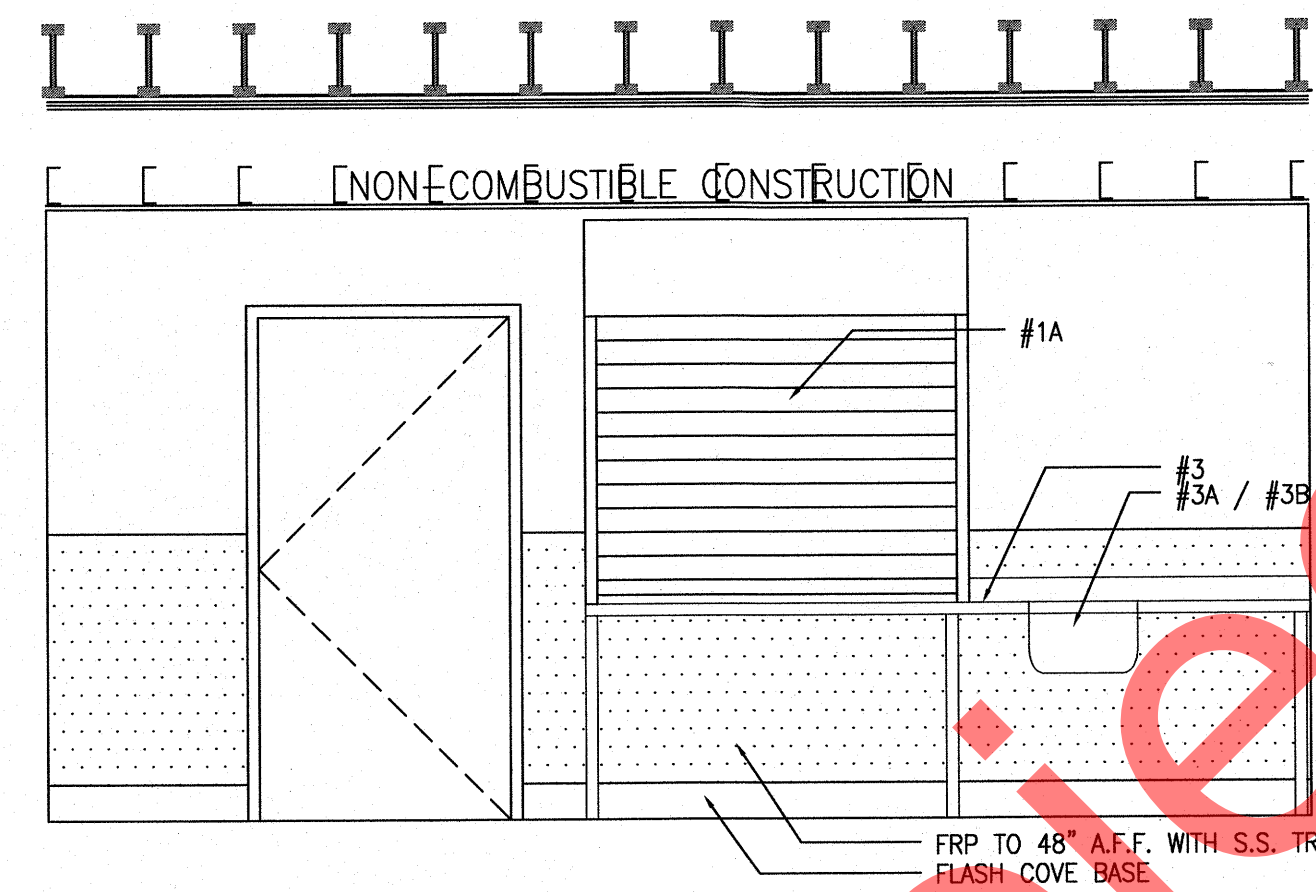
SHEET NO.
A3.5



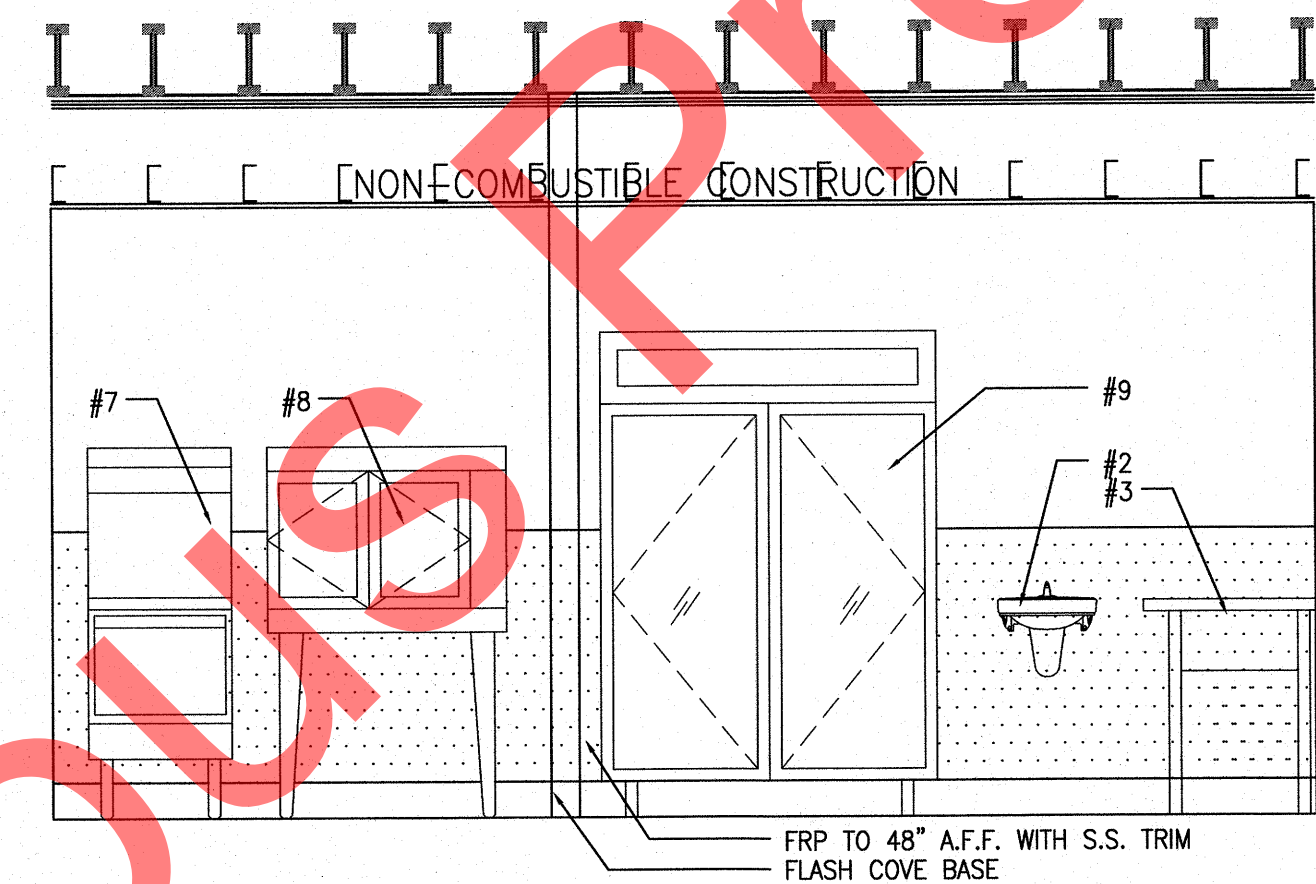
NOTE:
HATCHED AREA INDICATES AREA OF
NON-COMBUSTIBLE CONSTRUCTION.

1 ENLARGED KITCHEN EQUIPMENT PLAN
A4.0 1/2" = 1'-0"

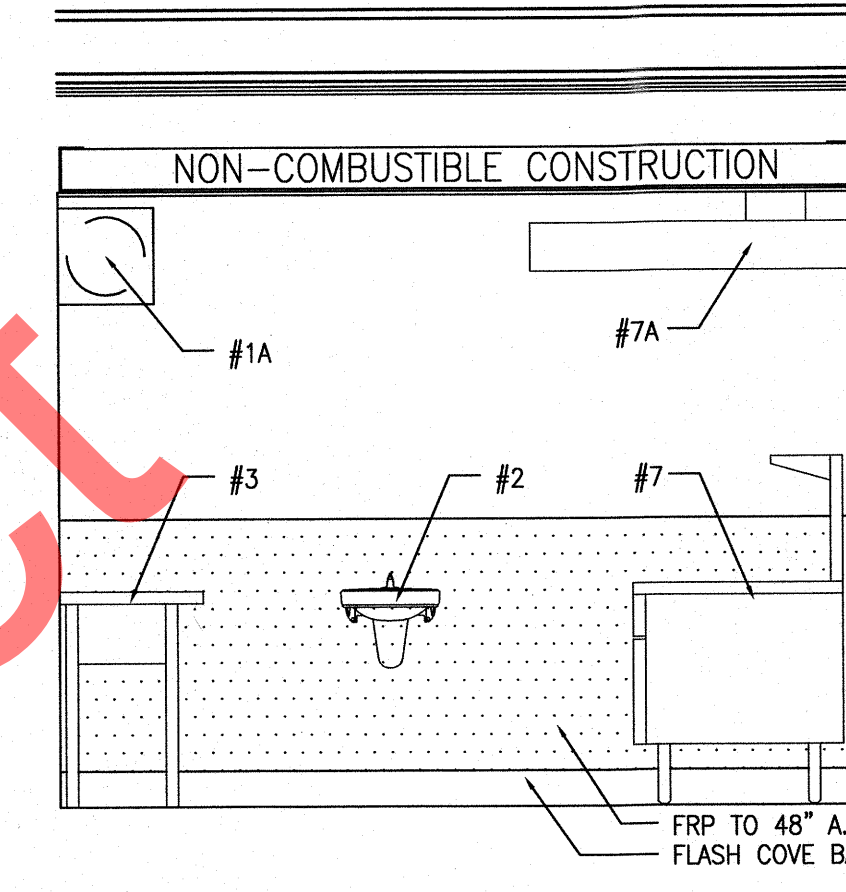
#	ITEM DESCRIPTION	GAS TYPE/ SIZE	VOLTS/AMPS	DRAIN	VENT	HOT WATER	COLD WATER
1	CUSTOM COUNTER	N/A	N/A	N/A	N/A	N/A	N/A
1A	ROLL-UP WINDOW SCREEN	N/A	N/A	N/A	N/A	N/A	N/A
2	HAND WASH SINK	N/A	N/A	1-1/2"	2"	1/2"	1/2"
3	COUNTERTOP	N/A	N/A	N/A	N/A	N/A	N/A
3A	DROP-IN SINK	N/A	N/A	1-1/2"	2"	N/A	N/A
3B	FAUCET	N/A	N/A	N/A	N/A	1/2"	1/2"
4	GREASE TRAP	N/A	N/A	4"	N/A	N/A	N/A
5	3-COMPARTMENT SINK	N/A	N/A	1-1/2"	2"	N/A	N/A
5A	PRE-RINSE UNIT	N/A	N/A	N/A	N/A	1/2"	1/2"
6	FAUCET	N/A	N/A	N/A	N/A	1/2"	1/2"
7B	MAKE-UP AIR UNIT	N/A	208V/ 3 PH	N/A	7B	N/A	N/A
7B	HOOD	N/A	208V/ 1 PH	N/A	N/A	N/A	N/A
7B	EXHAUST FAN	N/A	208V/ 1 PH	N/A	N/A	N/A	N/A
7B	ELECTRICAL PACKAGE	N/A	N/A	N/A	N/A	N/A	N/A
7C	FIRE EXTINGUISHER	N/A	N/A	N/A	N/A	N/A	N/A
9	REACH-IN COOLER/FREEZER	N/A	115/208-230V/60/1, 8.0 AMPS	N/A	N/A	N/A	N/A
10	96" S.S. POT RACK	N/A	N/A	N/A	N/A	N/A	N/A
11	MOP SINK	N/A	N/A	1-1/2"	2"	N/A	N/A
12	COFFEE MAKER	N/A	15	N/A	N/A	N/A	N/A
13	TRASH CAN	N/A	N/A	N/A	N/A	N/A	N/A
14	CONVECTION OVEN	N/A	208V/60/3 PH, 35 AMP	N/A	7B	N/A	N/A
15	24" 4-BURNER RANGE	N/A	208V/60/3 PH, 37.5 AMP	N/A	7B	N/A	N/A



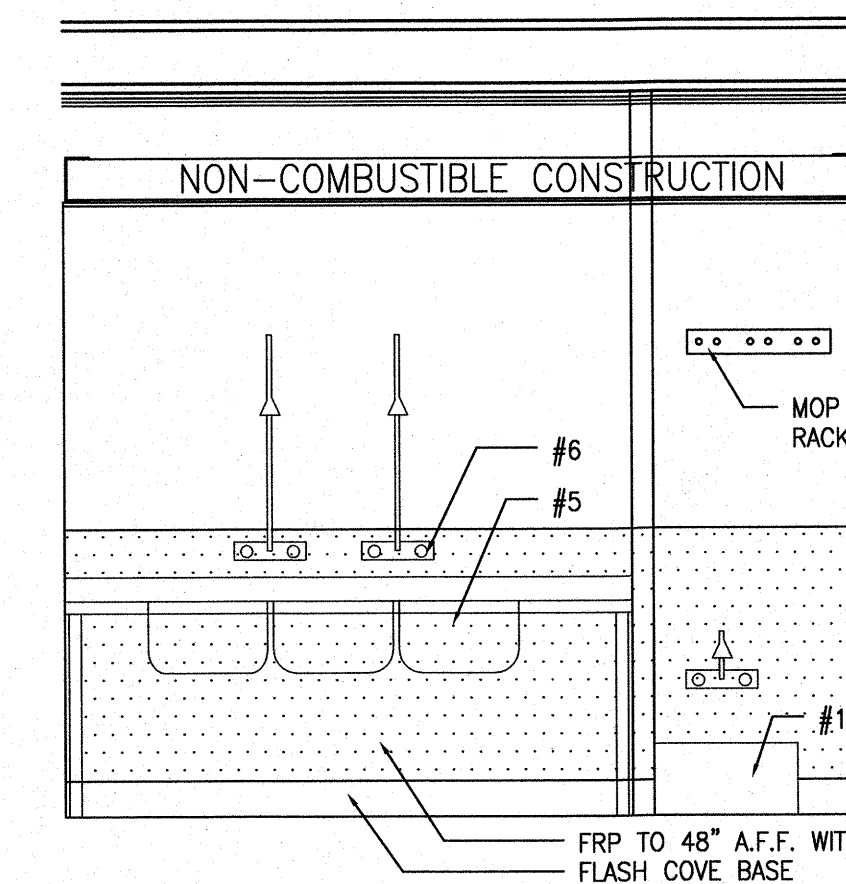
2 INTERIOR ELEVATIONS
A4.0 3/8" = 1'-0"



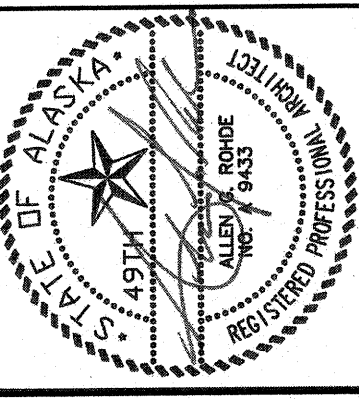
4 INTERIOR ELEVATIONS
A4.0 3/8" = 1'-0"



3 INTERIOR ELEVATIONS
A4.0 3/8" = 1'-0"



5 INTERIOR ELEVATIONS
A4.0 3/8" = 1'-0"



Rohde
ASSOCIATES ARCHITECTS
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 666-3660
architect@rohdemandassociates.com

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1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

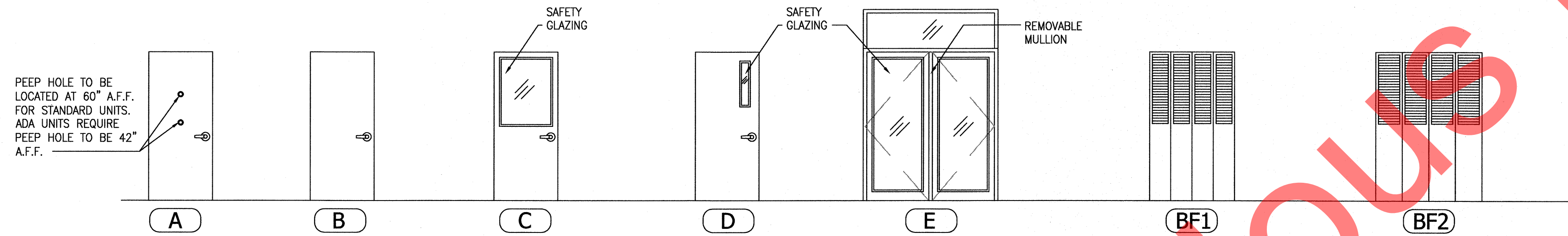
JOB NO. 1002
DATE March 11, 2011
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SHEET TITLE:
ENLARGED KITCHEN PLAN
EQUIPMENT SCHEDULE

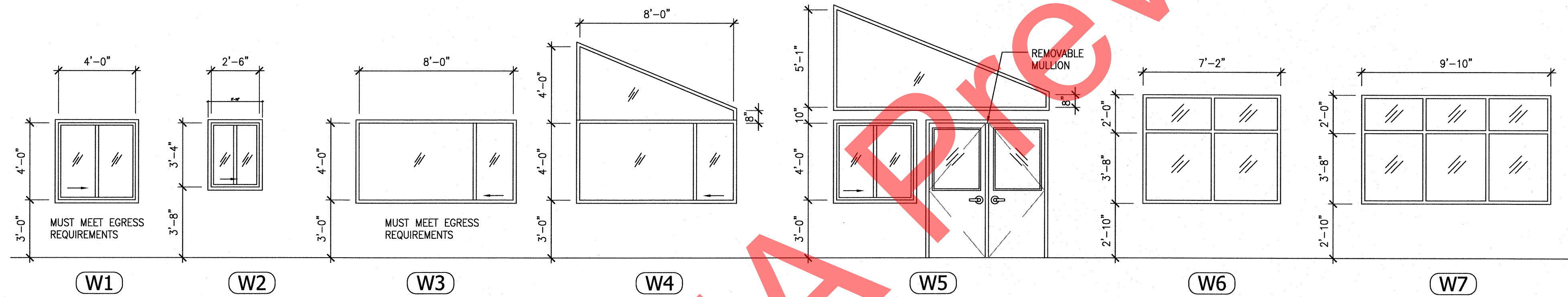
SHEET NO.
A4.0

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DOOR								FRAME		HARDWARE			NOTES
NUMBER	WIDTH	HEIGHT	THICK.	MATER.	FINISH	TYPE	RATING	TYPE	FINISH	DESIGN	FINISH	FUNCTION	
D1	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISHED BIRCH	A	45 MIN / NONE	HOLLOW METAL	PAINT	SCHLAGE ALS3PD	STAINLESS	ENTRANCE LOCK	1ST & 2ND FLOOR = 45 MIN + SMOKE SEAL + CLOSER + PEEP HOLE 3RD FLOOR = NO RATING + PEEP HOLE
D2	3'-0"	6'-8"	1 3/8"	WOOD	PRE-FINISHED BIRCH	B	NONE	WOOD	STAIN	SCHLAGE AL10S	STAINLESS	PASSAGE LATCH	
D3	3'-0"	6'-8"	1 3/8"	WOOD	PRE-FINISHED BIRCH	B	NONE	WOOD	STAIN	SCHLAGE AL40S	STAINLESS	PRIVACY LOCK	
D4	3'-0" (PAIR)	7'-0"	1 3/4"	ALUMINUM	FACTORY	E	NONE	INSULATED ALUMINUM	FACTORY	SCHLAGE ALS3PD	STAINLESS	ENTRANCE LOCK	CLOSER, PANIC HARDWARE
D5	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISHED BIRCH	B	45 MIN / NONE	WOOD	STAIN	SCHLAGE ALS0PD	STAINLESS	OFFICE LOCK	1ST & 2ND FLOOR = 45 MIN + SMOKE SEAL + CLOSER + PEEP HOLE 3RD FLOOR = NO RATING + PEEP HOLE
D6	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISHED BIRCH	B	45 MIN / NONE	WOOD	STAIN	SCHLAGE AL10S	STAINLESS	PASSAGE LATCH	1ST & 2ND FLOOR = 45 MIN + SMOKE SEAL + CLOSER + PEEP HOLE 3RD FLOOR = NO RATING + PEEP HOLE
D7	3'-0"	7'-0"	1 3/4"	FIBERGLASS	PAINT	D	NONE	INSULATED H.M.	PAINT	SCHLAGE ALS3PD	STAINLESS	ENTRANCE LOCK	CLOSER, PANIC HARDWARE
D8	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISHED BIRCH	D	45 MIN / NONE	H.M.	PAINT	SCHLAGE AL10S	STAINLESS	PASSAGE LATCH	1ST & 2ND FLOOR = 45 MIN + SMOKE SEAL + CLOSER + PEEP HOLE 3RD FLOOR = NO RATING + PEEP HOLE
D8A	3'-0"	7'-0"	1 3/4"	WOOD	PRE-FINISHED BIRCH	D	NONE	H.M.	PAINT	SCHLAGE AL10S	STAINLESS	STOREROOM LOCK	CLOSER, PANIC HARDWARE
D8B	3'-6"	7'-0"	1 3/4"	WOOD	PRE-FINISHED BIRCH	D	NONE	H.M.	PAINT	SCHLAGE AL10S	STAINLESS	STOREROOM LOCK	CLOSER
D8C	3'-6"	7'-0"	1 3/4"	WOOD	PRE-FINISHED BIRCH	D	NONE	H.M.	PAINT	SCHLAGE AL10S	STAINLESS	STOREROOM LOCK	CLOSER, PANIC HARDWARE
D9	3'-0"	7'-0"	1 3/4"	FIBERGLASS	PAINT	B	60 MIN	H.M.	PAINT	SCHLAGE AL80PD	STAINLESS	STOREROOM LOCK	CLOSER, SMOKE SEAL
D10	3'-0" (PAIR)	7'-0"	1 3/4"	FIBERGLASS	PAINT	B	NONE	H.M.	PAINT	SCHLAGE AL80PD	STAINLESS	STOREROOM LOCK	CLOSER
D11	3'-0" (PAIR)	7'-0"	1 3/4"	FIBERGLASS	PAINT	C	NONE	H.M.	PAINT	SCHLAGE ALS3PD	STAINLESS	ENTRANCE LOCK	CLOSER, PANIC BAR
D12	3'-0" (PAIR)	7'-0"	1 3/4"	WOOD	PRE-FINISHED BIRCH	A	NONE	H.M.	PAINT	SCHLAGE ALS0PD	STAINLESS	OFFICE LOCK	CLOSER, PANIC BAR
BF1	4'-0"	7'-0"	1"	WOOD	PRE-FINISHED	BF1	NONE	---	---	FACTORY	FACTORY	FACTORY	
BF2	5'-0"	7'-0"	1"	WOOD	PRE-FINISHED	BF2	NONE	---	---	FACTORY	FACTORY	FACTORY	

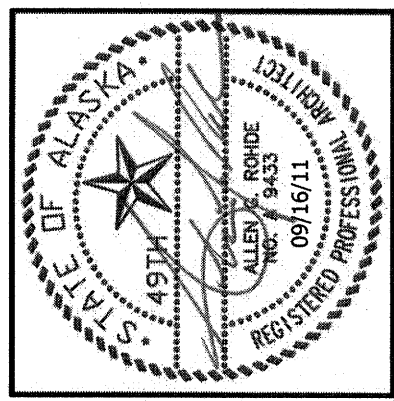


1 DOOR TYPES
A4.1 1/4" = 1'-0"



2 WINDOW TYPES
A4.1 1/4" = 1'-0"

U.D. = INDICATES UNIT DIMENSIONS (TYPICAL)
R.O. = ROUGH OPENING, PER MANUFACTURER'S SPECIFICATIONS (TYPICAL)



Rohde
ASSOCIATES ARCHITECTS
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
Ph. (907) 696-2960 Fax (907) 696-2962
arohde@rohdeandassociatesinc.com

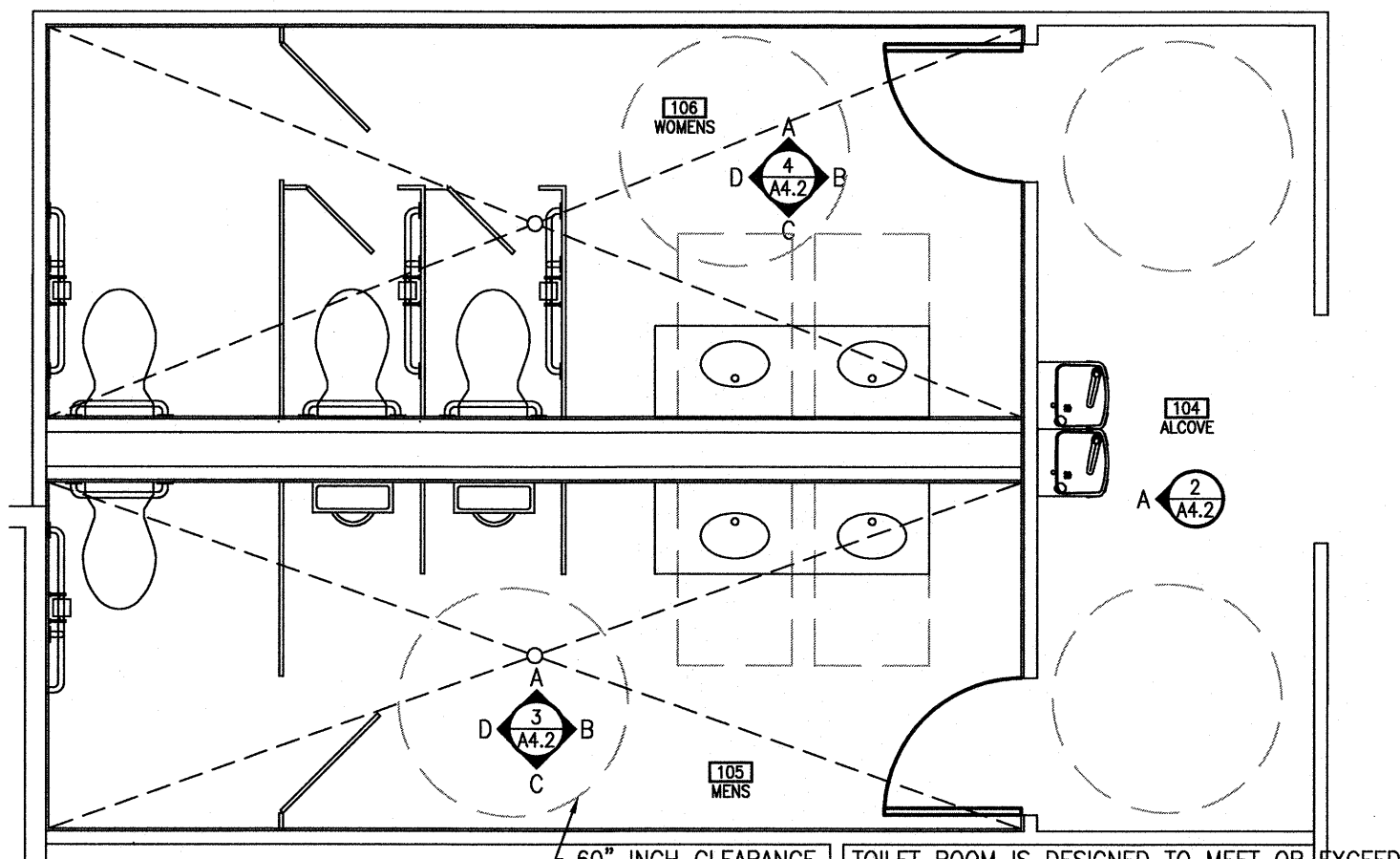
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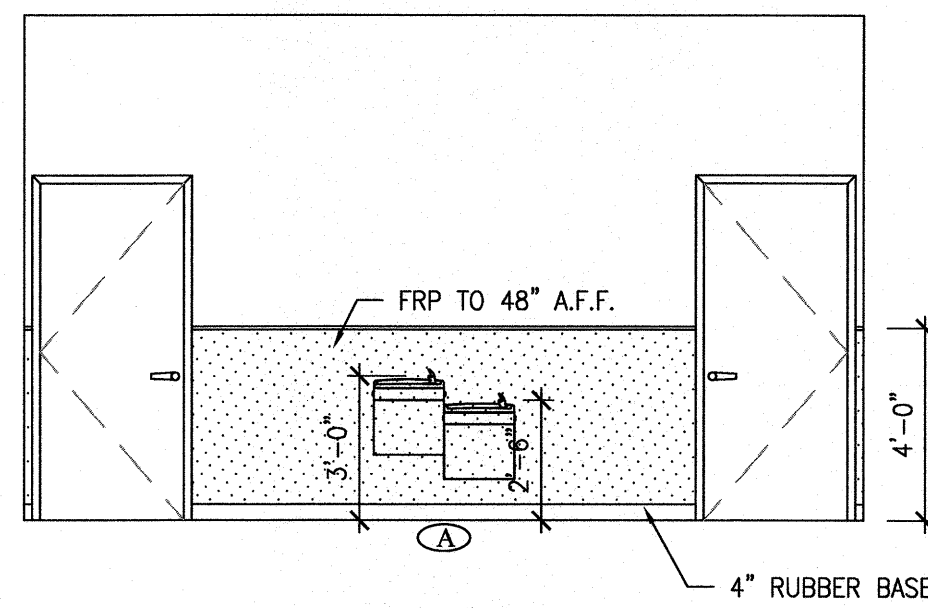
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DOOR SCHEDULE
DOOR TYPES
WINDOW TYPES

SHEET NO.
A4.1

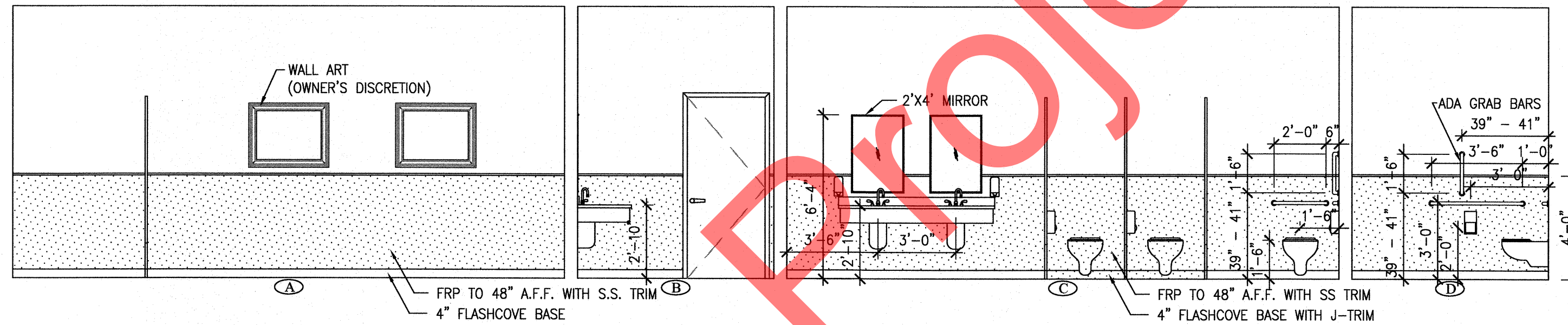


1 COMMON RESTROOMS 104, 105, & 106 PLAN
A4.2 1/4" = 1'-0"

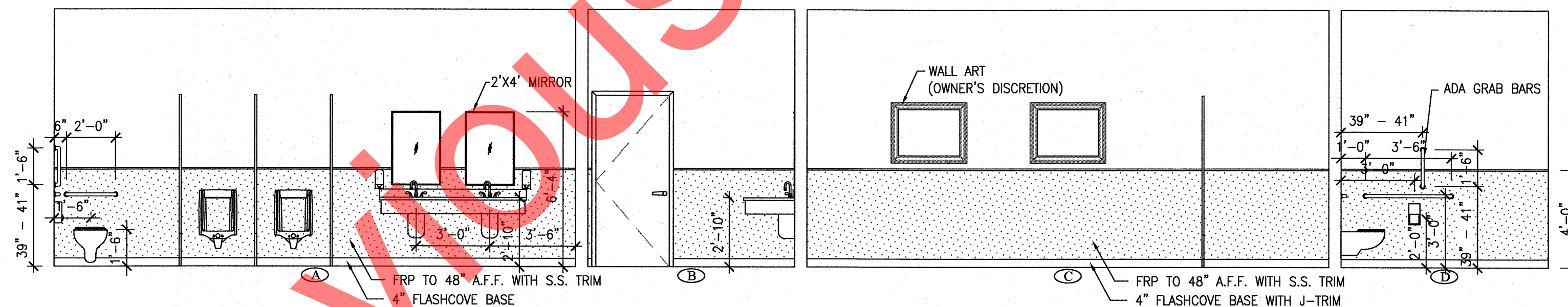
60" INCH CLEARANCE. TOILET ROOM IS DESIGNED TO MEET OR EXCEED REQUIREMENTS OF ICC/ANSI A117.1 FIG.604.3.1, SEC 606.2, SEC 305.3, FIG. 305.5, AND FIG. 604.3.1. SEE ELEVATION DETAIL 1/A1.1



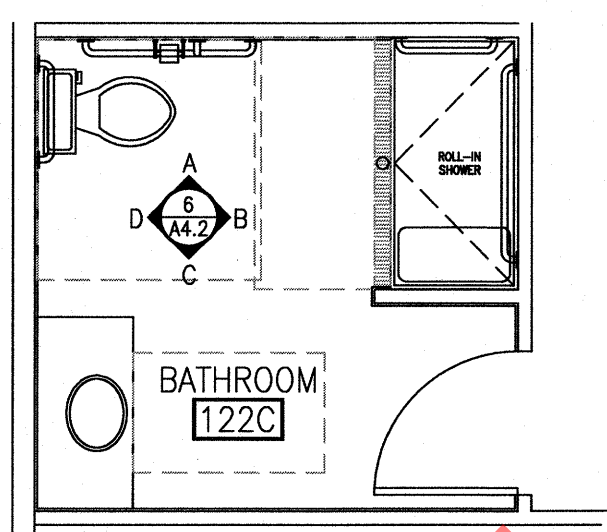
2 ALCOVE ELEVATION - 104
A4.2 1/4" = 1'-0"



3 ACCESSIBLE RESTROOM ELEVATIONS - 105
A4.2 1/4" = 1'-0"

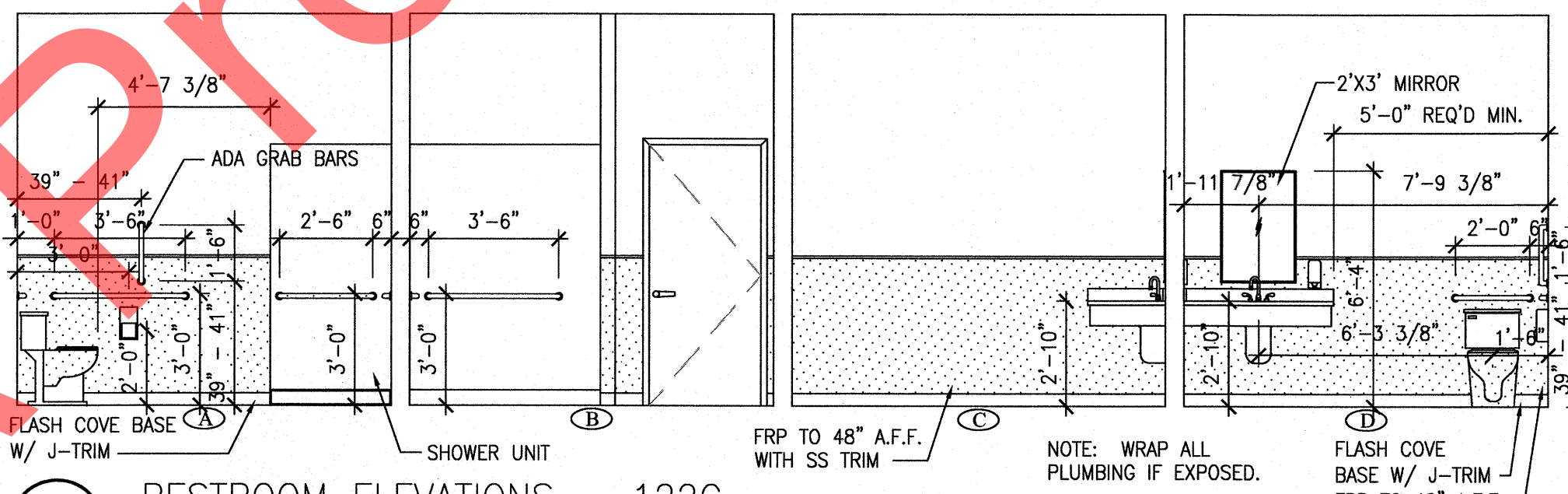


4 ACCESSIBLE RESTROOM ELEVATIONS - 106
A4.2 1/4" = 1'-0"



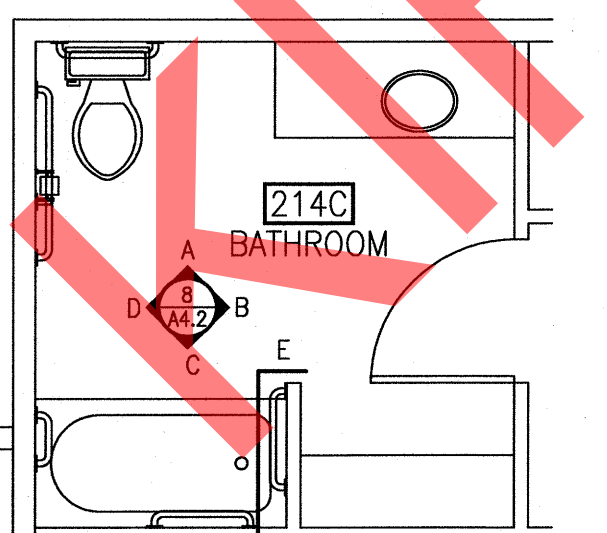
5 RESTROOM 122C PLAN (SIM: 120C, 121C, & 123C)
A4.2 1/4" = 1'-0"

(SIM [SHOWER W/ THRESHOLD]: 301C, 302C, 304C, 305C, 306C, 308C, 311C, 312C, 313C, 314C, & 315C)



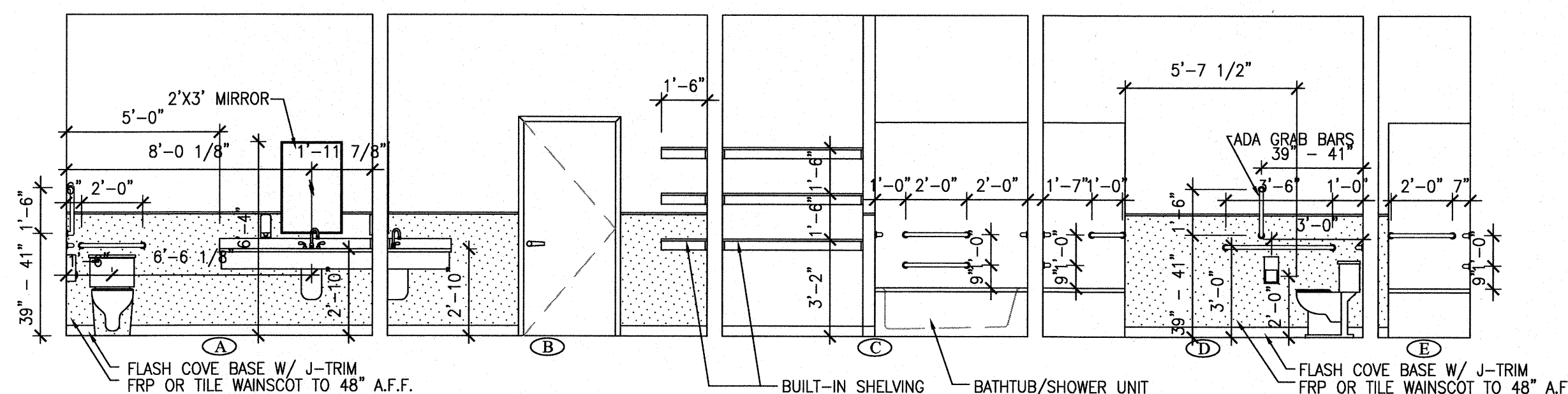
6 RESTROOM ELEVATIONS - 122C
A4.2 1/4" = 1'-0"

NOTE: WRAP ALL PLUMBING IF EXPOSED.

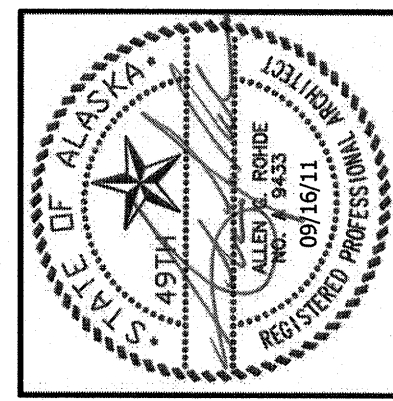


7 RESTROOM 214C PLAN
A4.2 1/4" = 1'-0"

(SIM: 109C, 110C, 114C, 115C, 117C, 201C, 202C, 204C, 205C, 206C, 208C, 209C, 210C, 211C, 212C, & 213C)



8 RESTROOM ELEVATIONS - 214C
A4.2 1/4" = 1'-0"



Rolde
ASSOCIATES ARCHITECTS
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
Ph. (907) 666-2060
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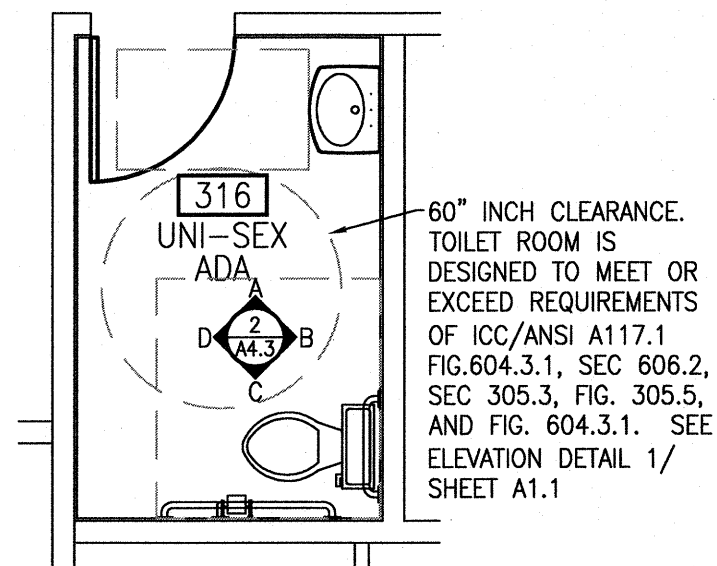
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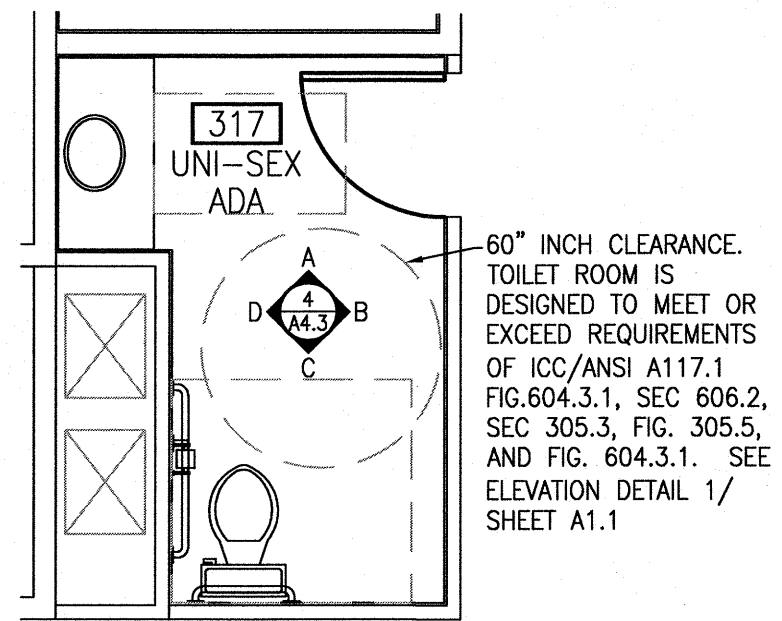
SHEET TITLE:
INTERIOR ELEVATIONS

SHEET NO.
A4.2

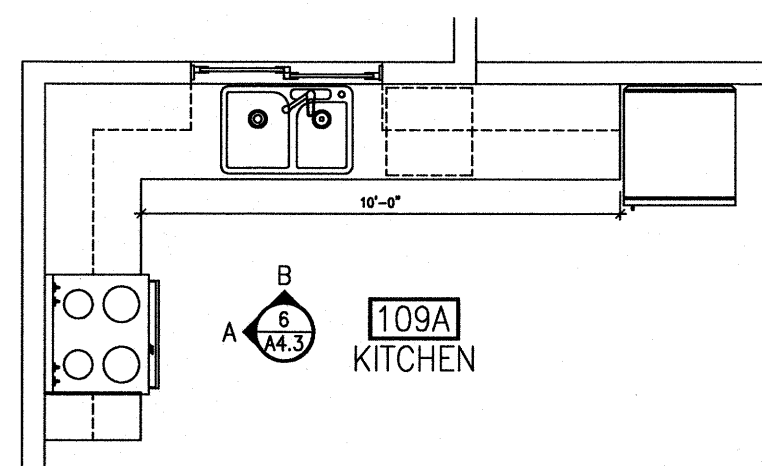
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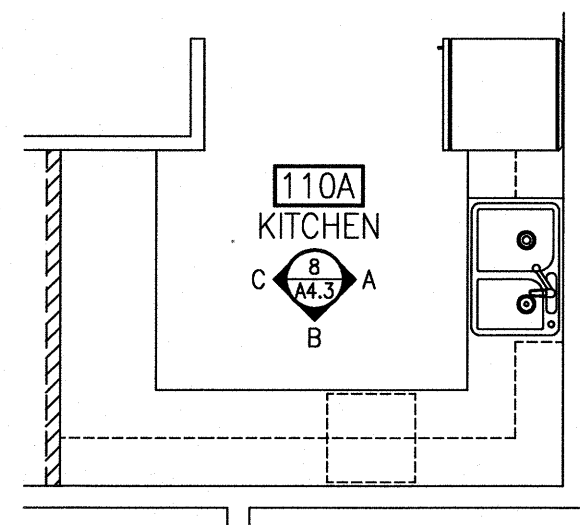
1 RESTROOM 316 PLAN
A4.3 1/4" = 1'-0"



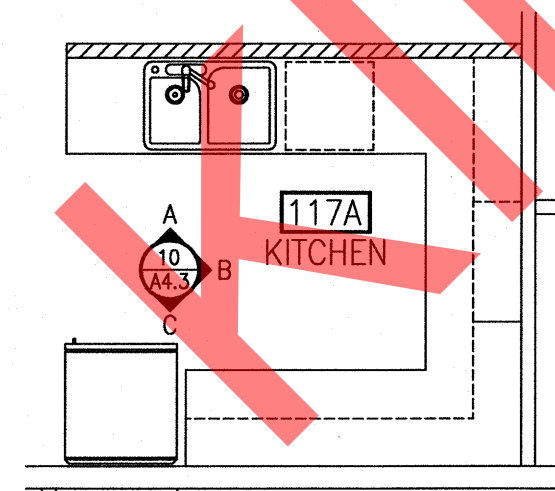
3 RESTROOM 317 PLAN
A4.3 1/4" = 1'-0"



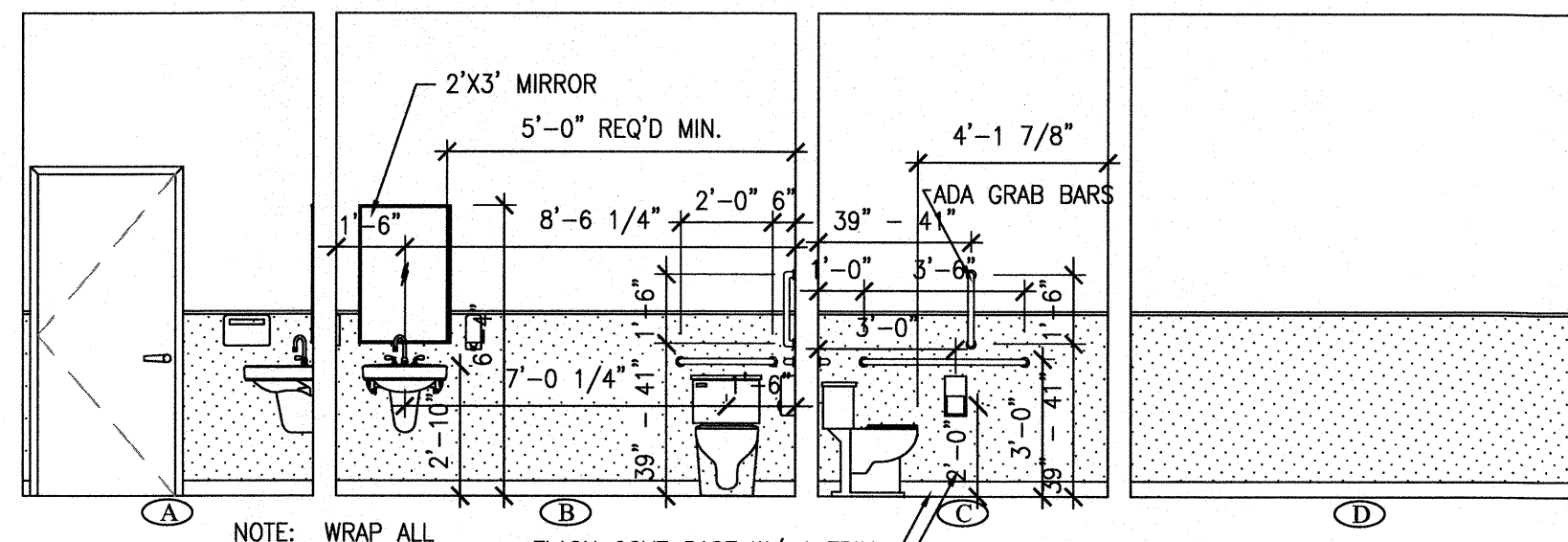
5 KITCHEN 109A PLAN (SIM: 204A & 304A)
A4.3 1/4" = 1'-0"



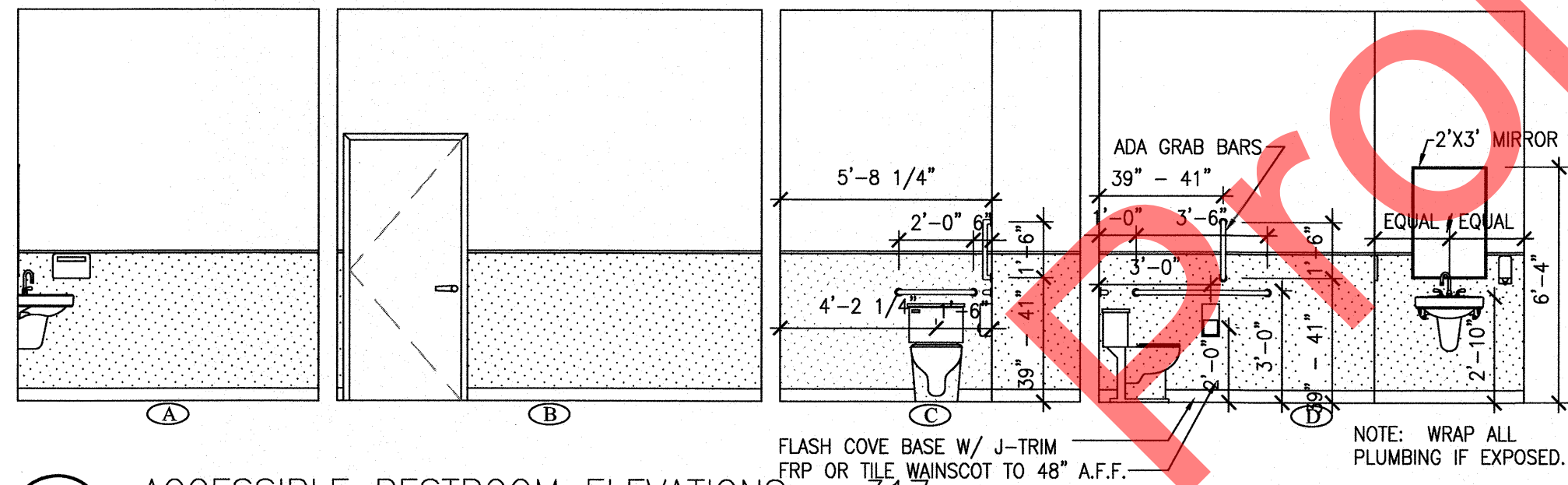
7 KITCHEN 110A PLAN (SIM: 201A, 202A, 205A, 301A, 302A, & 305A)
A4.3 1/4" = 1'-0"



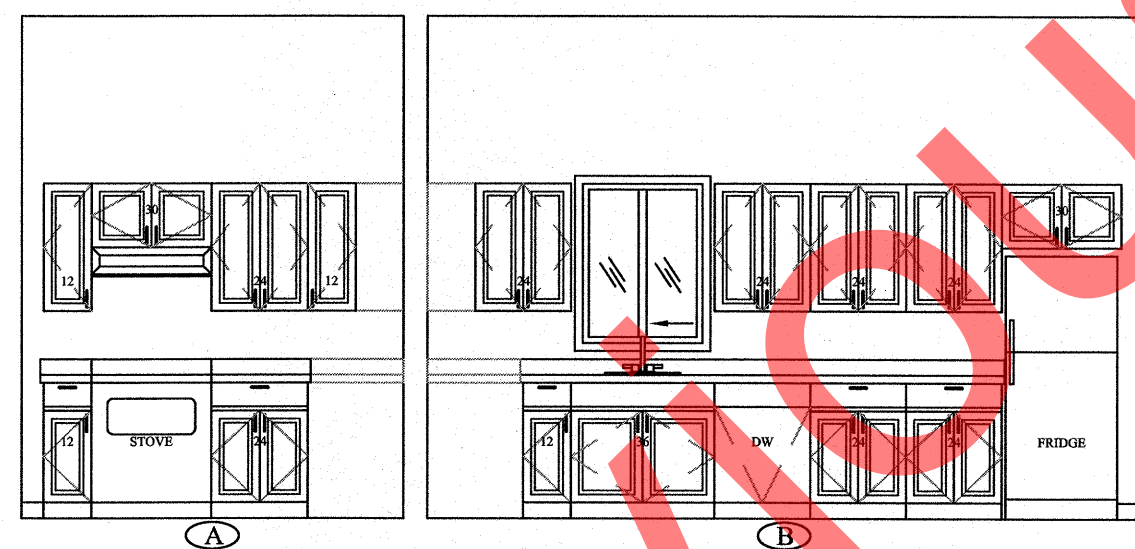
9 KITCHEN 117A PLAN (SIM: 210A & 311A)
A4.3 1/4" = 1'-0"



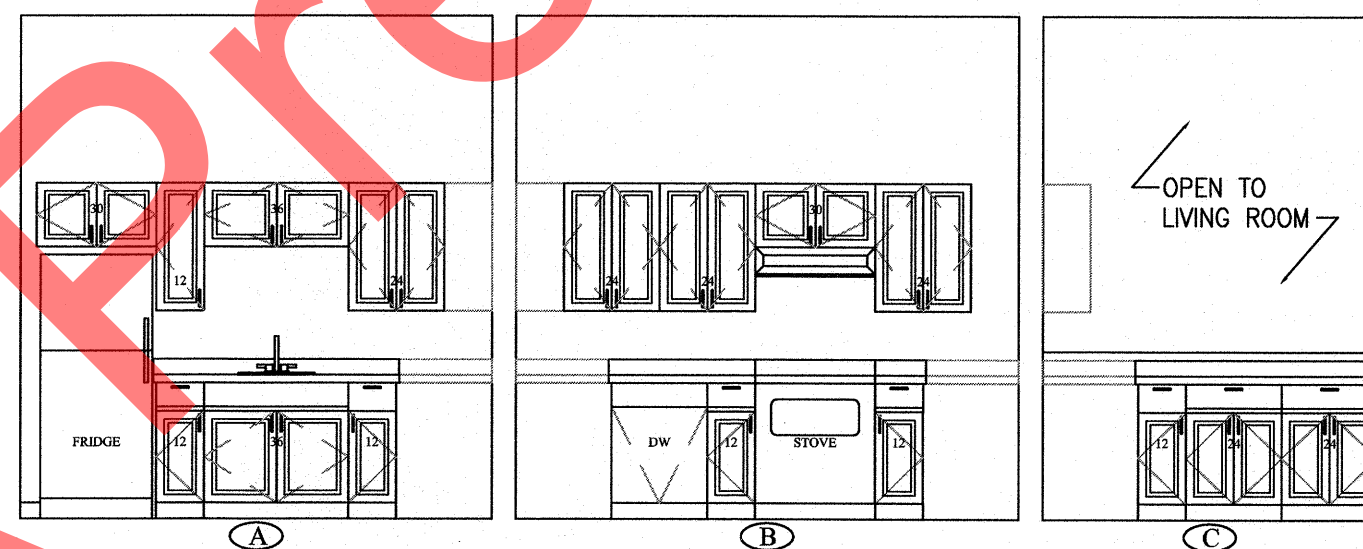
2 ACCESSIBLE RESTROOM ELEVATIONS - 316
A4.3 1/4" = 1'-0"



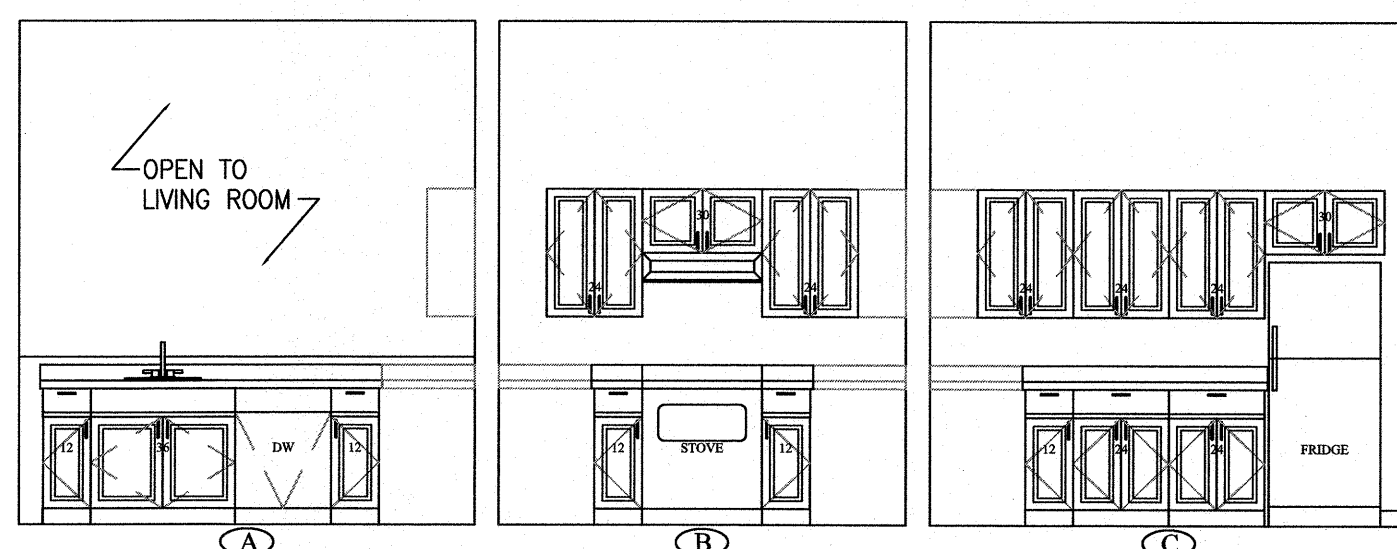
4 ACCESSIBLE RESTROOM ELEVATIONS - 317
A4.3 1/4" = 1'-0"



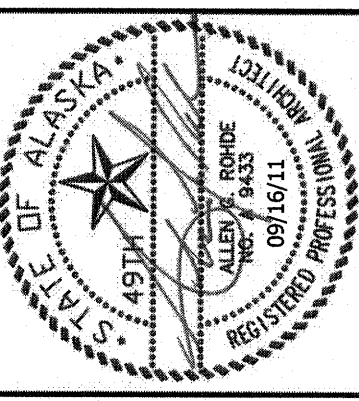
6 KITCHEN ELEVATIONS - 109A
A4.3 1/4" = 1'-0"



8 KITCHEN ELEVATIONS - 110A
A4.3 1/4" = 1'-0"



10 KITCHEN ELEVATIONS - 117A
A4.3 1/4" = 1'-0"



Rohde ASSOCIATES ARCHITECTS
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
Ph: (907) 609-0060
arch@rohdeandassociatesinc.com

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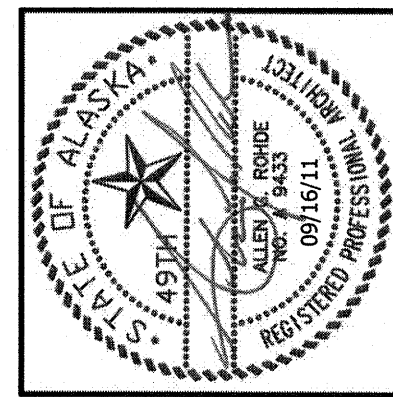
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SHEET TITLE:
INTERIOR ELEVATIONS

SHEET NO.

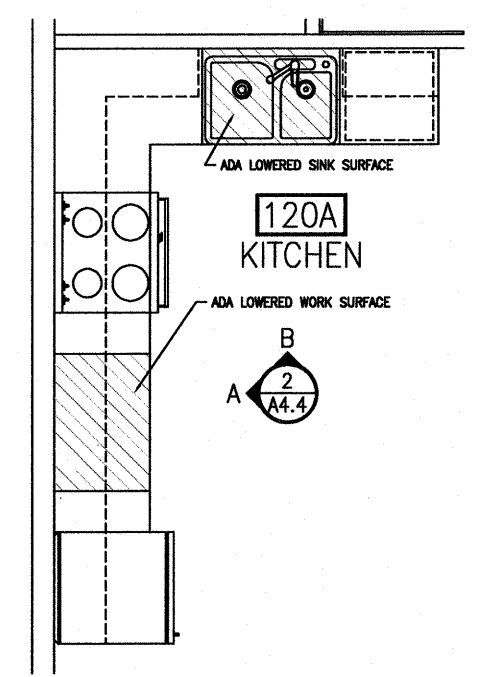
A4.3

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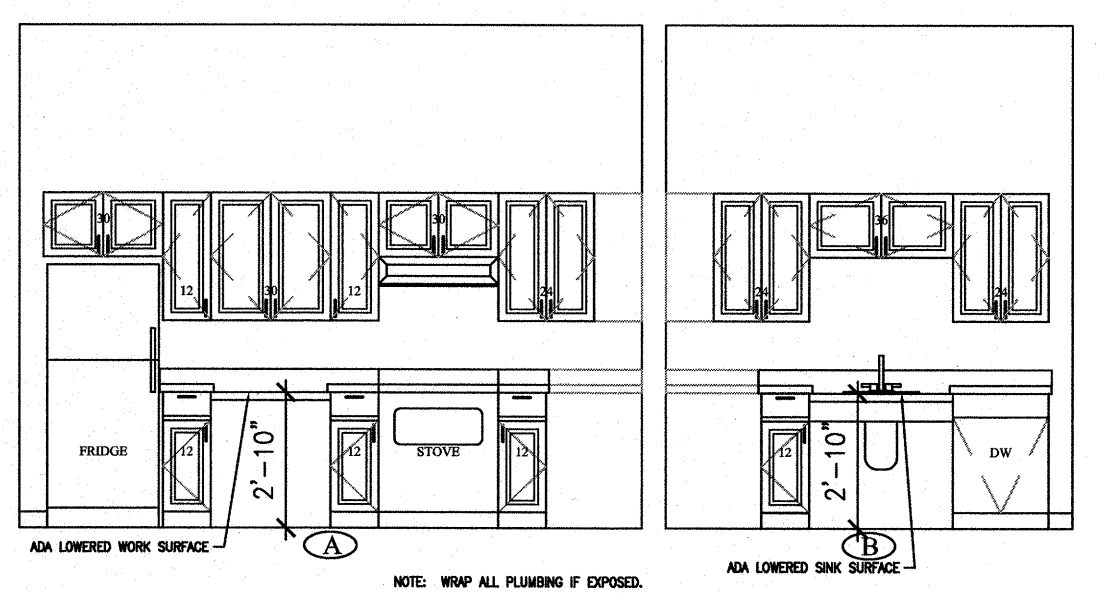


Rohde ASSOCIATES ARCHITECTS
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 662-0060 fax. (907) 662-2562
 rohde@rohdeandassociatesinc.com

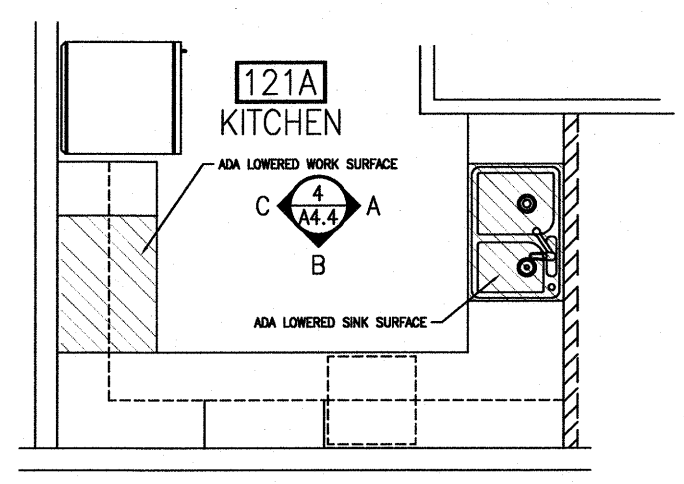
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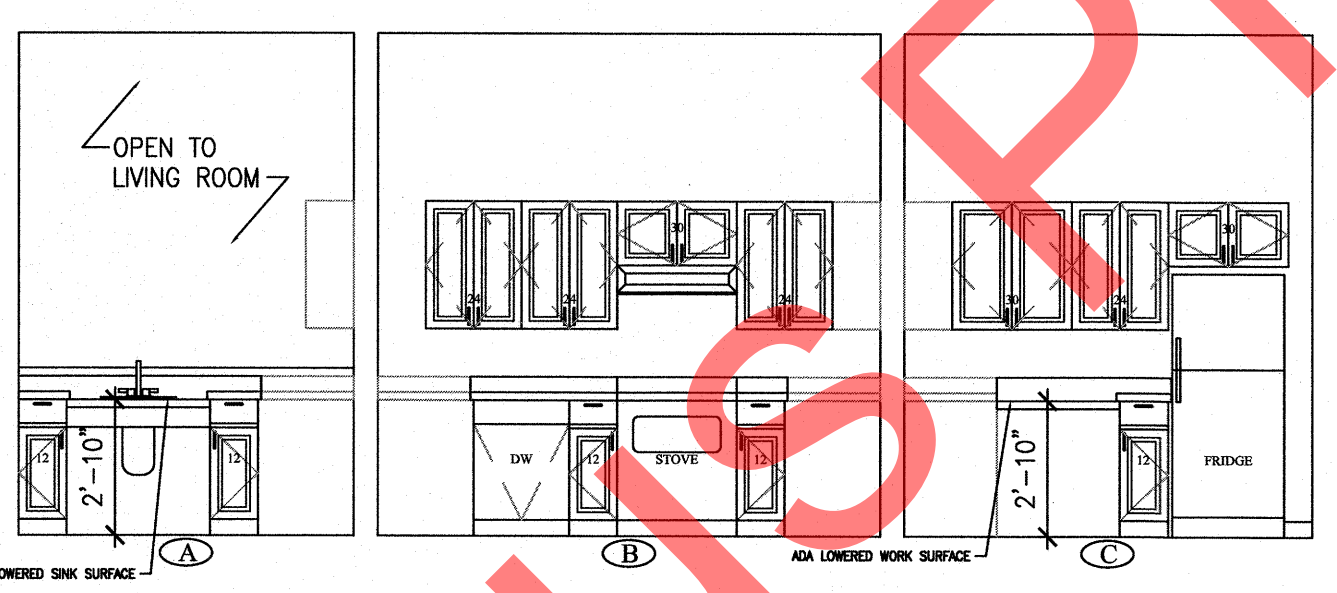
1 KITCHEN 120A PLAN
 A4.4 1/4" = 1'-0"



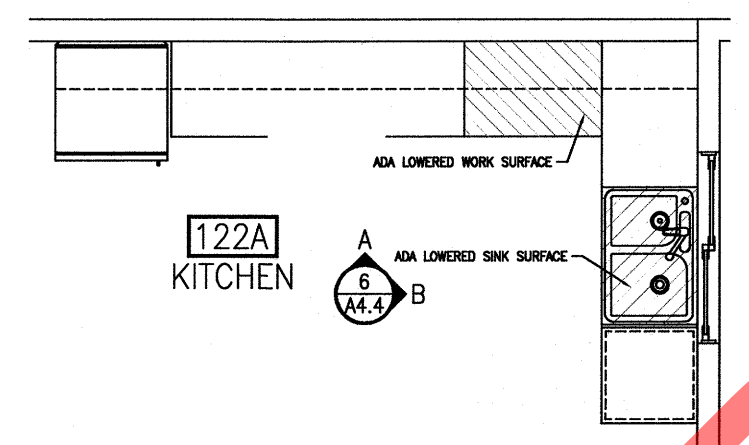
2 ACCESSIBLE KITCHEN ELEVATIONS - 120A
 A4.4 1/4" = 1'-0"



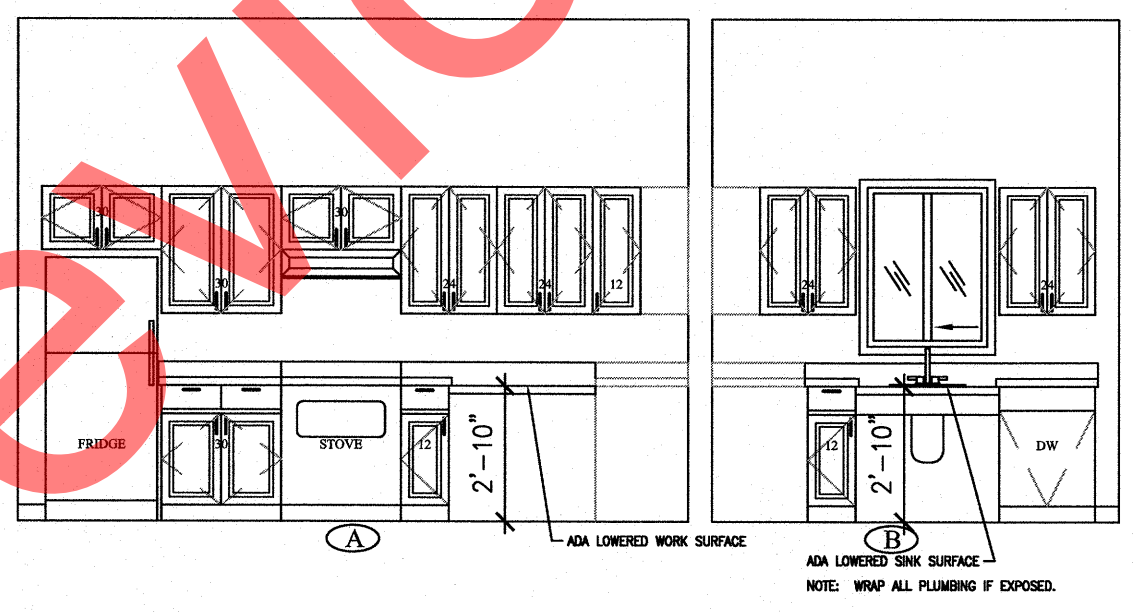
3 KITCHEN 121A PLAN (SIM: 212A & 313A)
 A4.4 1/4" = 1'-0"



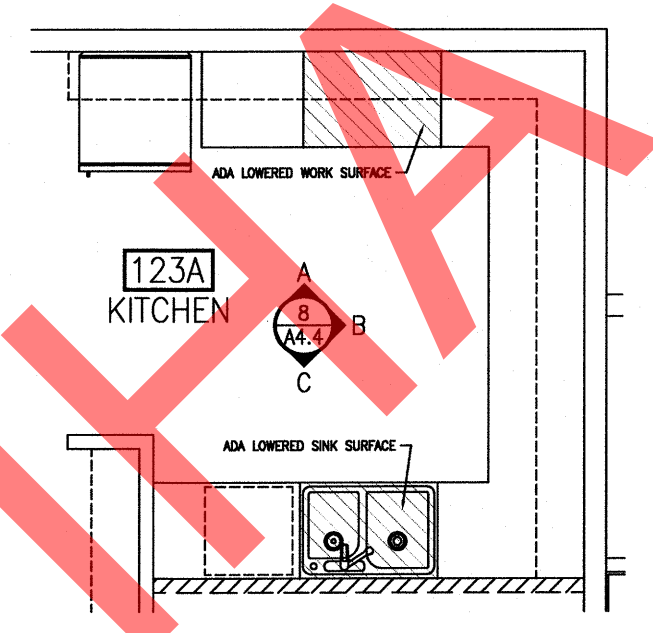
4 ACCESSIBLE KITCHEN ELEVATIONS - 121A
 A4.4 1/4" = 1'-0"



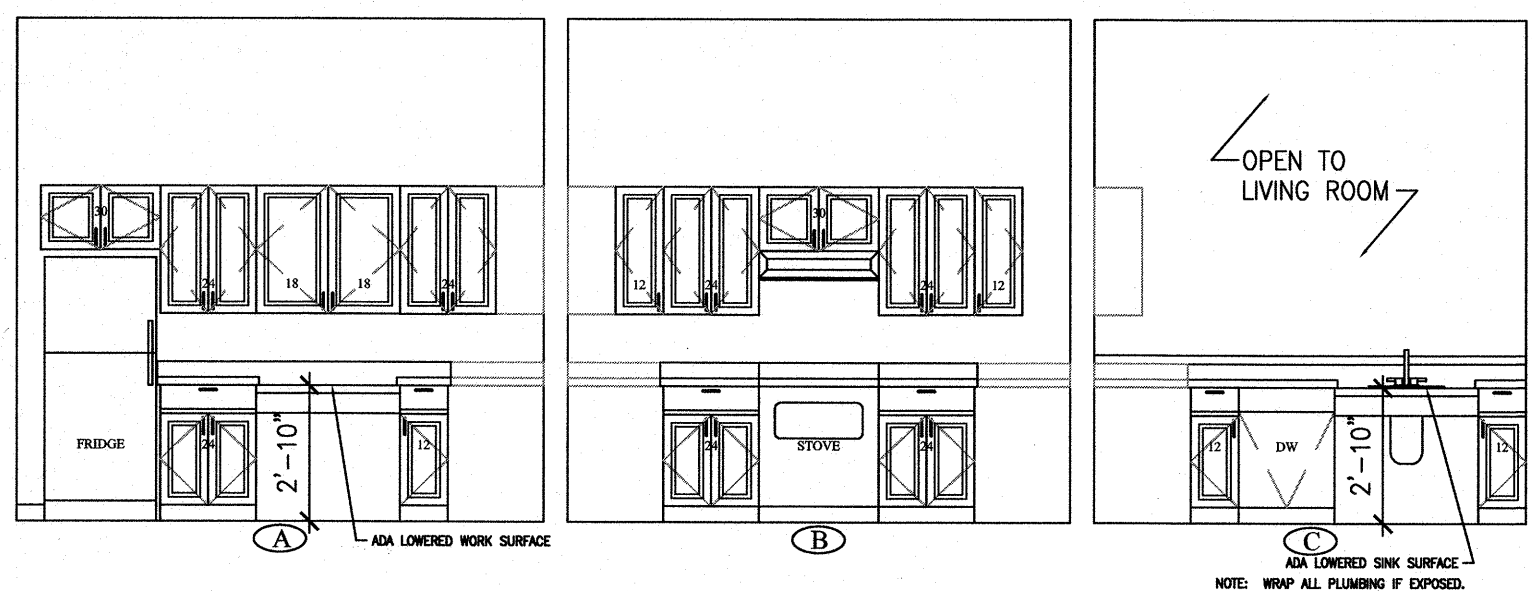
5 KITCHEN 122A PLAN (SIM: 213A & 314A)
 A4.4 1/4" = 1'-0"



6 ACCESSIBLE KITCHEN ELEVATIONS - 122A
 A4.4 1/4" = 1'-0"



7 KITCHEN 123A PLAN (SIM: 214A & 315A)
 A4.4 1/4" = 1'-0"



8 ACCESSIBLE KITCHEN ELEVATIONS - 123A
 A4.4 1/4" = 1'-0"

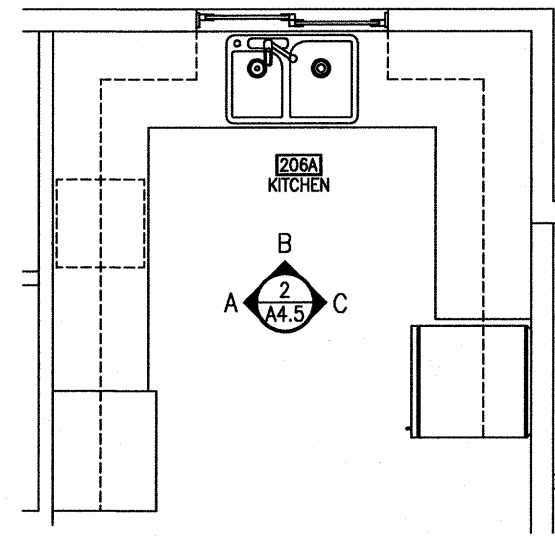
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DRAWN	MFW
REVIEWED	AGR

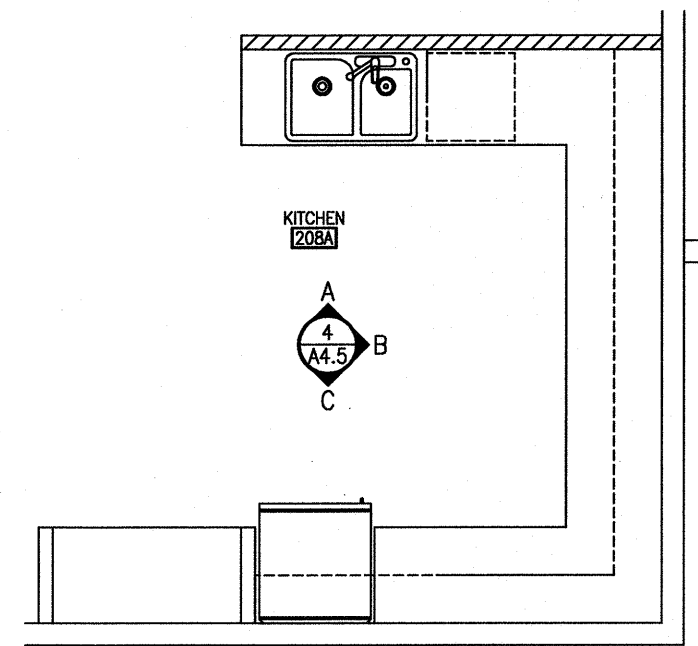
SHEET TITLE:
 INTERIOR ELEVATIONS

SHEET NO.
A4.4

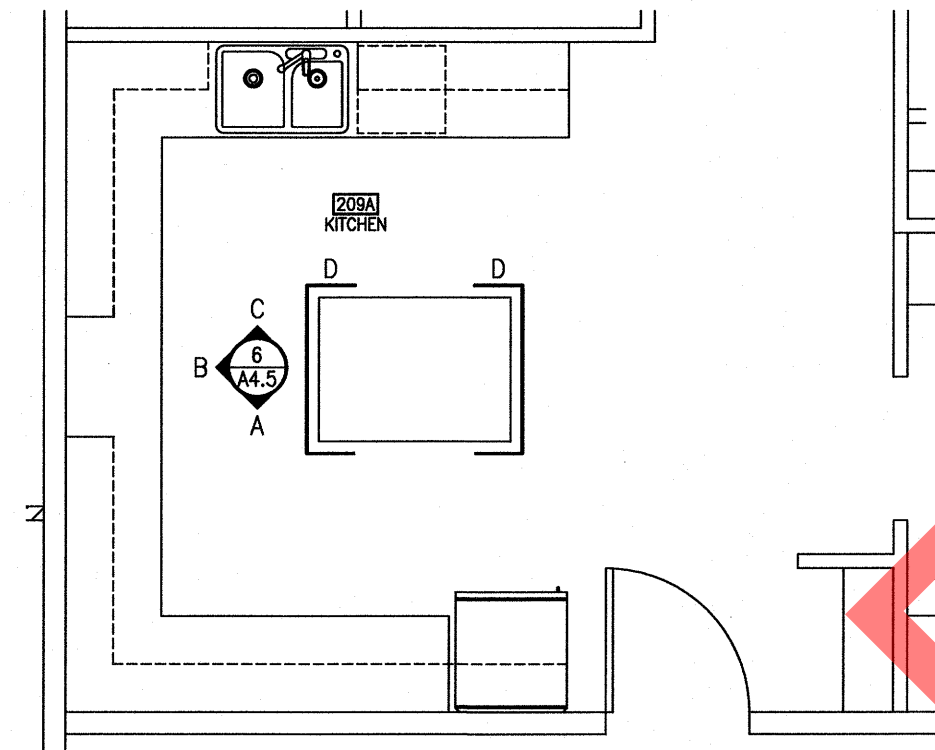
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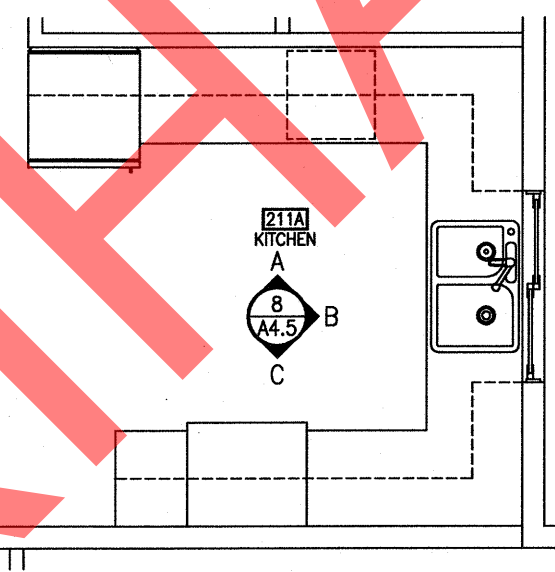
1 KITCHEN 206A PLAN (SIM: 306A)
A4.5 1/4" = 1'-0"



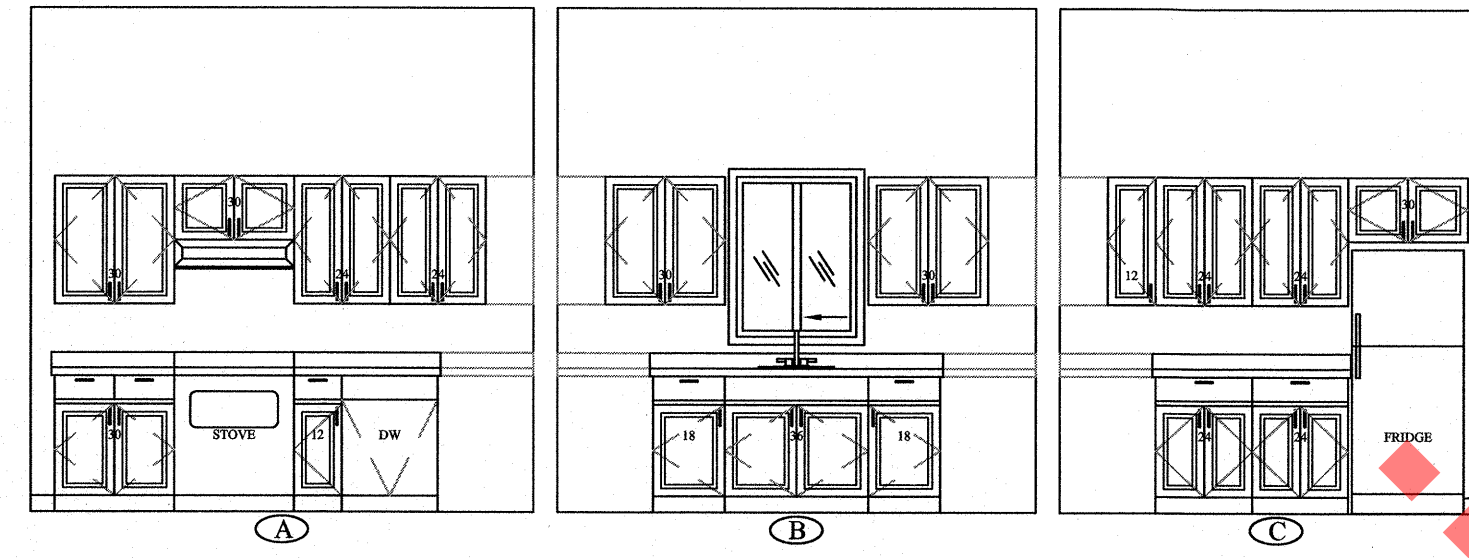
3 KITCHEN 208A PLAN (SIM: 308A)
A4.5 1/4" = 1'-0"



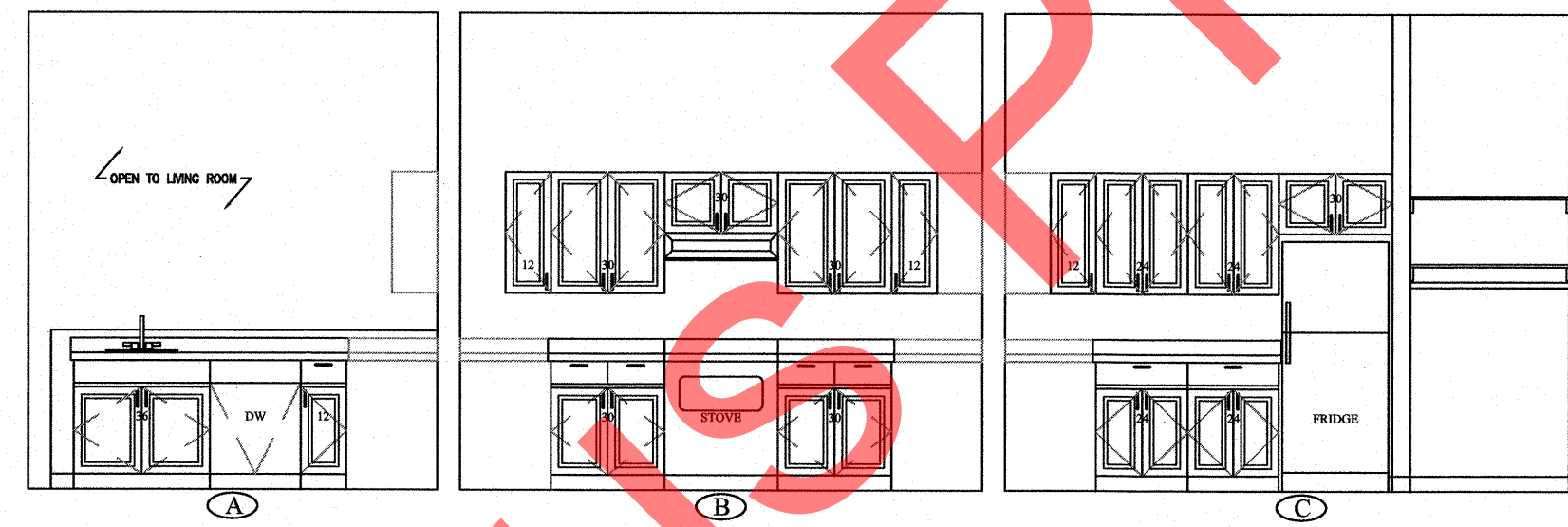
5 KITCHEN 209A PLAN
A4.5 1/4" = 1'-0"



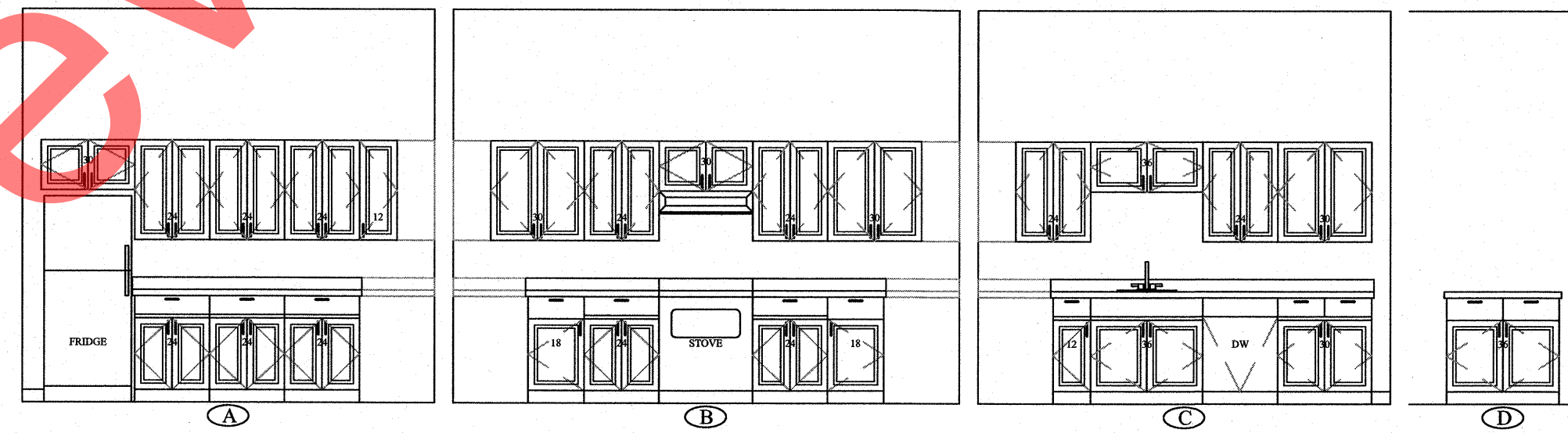
7 KITCHEN 211A PLAN (SIM: 312A)
A4.5 1/4" = 1'-0"



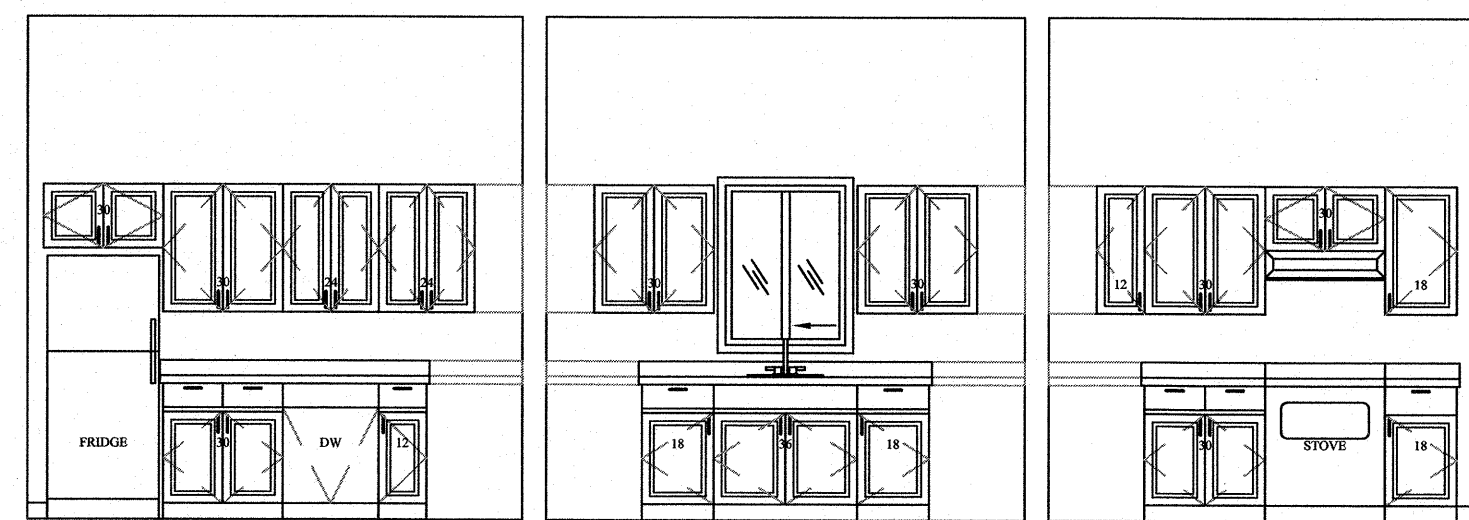
2 KITCHEN ELEVATIONS - 206A
A4.5 1/4" = 1'-0"



4 KITCHEN ELEVATIONS - 208A
A4.5 1/4" = 1'-0"

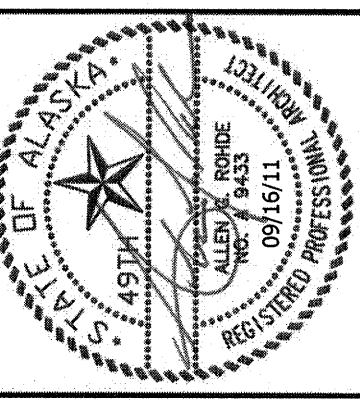


6 KITCHEN ELEVATIONS - 209A
A4.5 1/4" = 1'-0"



8 KITCHEN ELEVATIONS - 211A
A4.5 1/4" = 1'-0"

PREVIOUS PROJECT



Rohde ASSOCIATES ARCHITECTS
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 696-2960 fax (907) 696-2962
 rohde@rohdeandassociatesinc.com

NEAR ISLAND SENIOR HOUSING
 182 ALIMAK DRIVE
 KODIAK, ALASKA

NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	07/27/11
2	RESPONSE TO COMMENTS	08/25/11
3	RESPONSE TO COMMENTS	09/16/11

JOB NO. 1002
 DATE March 11, 2011
 DRAWN MFW
 REVIEWED AGR

SHEET TITLE:
 INTERIOR ELEVATIONS

SHEET NO.
A4.5

IF THIS SHEET IS LESS THAN: 22"x34" IT IS A REDUCED PRINT
 - DO NOT SCALE DIMENSIONS FROM BLUEPRINTS -

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, SPECIFICATIONS AND THESE NOTES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER AT ONCE.

ALL CONSTRUCTION SHALL COMPLY WITH THE 2006 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE LOCAL BUILDING OFFICIAL.

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL OSHA AND DOSH SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE. PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

CODE
2006 INTERNATIONAL BUILDING CODE (IBC)
ASCE 7-05 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

DESIGN LIVE LOADS

FLOOR LOADS - SEE DESIGN LOAD SCHEDULE SHEET 502
MINIMUM ROOF LIVE LOAD = 20 PSF

SNOW
GROUND SNOW LOAD = 60 PSF
ROOF SNOW LOAD = 50 PSF
SNOW EXPOSURE FACTOR, $C_e = 0.90$
SNOW LOAD IMPORTANCE FACTOR = 1.0
THERMAL FACTOR, $C_t = 1.0$

WIND DESIGN DATA

VELOCITY = 130 MPH HOUR 3 SECOND GUST
IMPORTANCE FACTOR, $I_w = 1.0$
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT, $G_{cp1} = \pm 0.18$
COMPONENTS AND CLADDING PRESSURES,
ZONE 3 (WITHIN 9' OF EAVES, PEAKS AND CORNERS) = -14.0 PSF
ZONE 2 (EVERYWHERE ELSE) = -43.5 PSF
WALLS
ZONE 3 - WITHIN 8' OF VERTICAL CORNERS = -49 PSF
ZONE 4 - EVERYWHERE ELSE = -48 PSF

SEISMIC DESIGN DATA

$I_e = 1.0$
 $S_s = 1.23g$, $S_1 = 0.63g$, $S_D5 = 0.20$, $S_D1 = 0.65$
SITE CLASS B
SEISMIC DESIGN CATEGORY D
SEISMIC RESISTING SYSTEM = BEARING WALL, PLYWOOD SHEARWALLS, R = 6.5
SEISMIC BASE SHEAR = $V_e = 133.13$ KIPS $C_s = 0.183$
EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATION DESIGN

FOUNDATION BASED ON A SOIL BEARING PRESSURE OF 3000 PSF, WITH THE EXISTING SOIL TO BE FREE OF ORGANICS, AND NON-FROST SUSCEPTIBLE MATERIAL THROUGHOUT. THIS BASED ON THE GEOTECHNICAL REPORT BY GOLDER ASSOCIATES 033-0526 DATED APRIL 1, 2010. ALL WORK TO BE DONE IN ACCORDANCE TO THIS REPORT. SEE TECHNICAL SPECIFICATION SECTION 1803.

ALL ORGANIC, FROZEN OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM SUB-GRADE AND REPLACED WITH COMPACTED GRANULAR NON-FROST SUSCEPTIBLE (NFS) FILL. ALL FOOTINGS SHALL BE FOUNDED UPON UNDISTURBED, NATURAL SUB-GRADE OR COMPACTED NFS BACK FILL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF.

NON FROST SUSCEPTIBLE SOILS SHALL CONSIST OF INORGANIC SOILS CONTAINING LESS THAN 3 PERCENT BY WEIGHT OF PARTICLES SMALLER THAN 0.075MM.

ALL FOOTINGS AND SLAB SUB-GRADES SHALL BE COMPACTED TO 95 % MAXIMUM DENSITY AS MEASURED WITH ASTM D1557. BACK FILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY.

DISCHARGE ROOF RUNOFF AND WATER COLLECTED IN FOUNDATION DRAINS AWAY FROM THE FOUNDATION. PROVIDE SITE DRAINAGE AWAY FROM THE FOUNDATION. PROVIDE FOUNDATION WALL WATERPROOFING/DAMP PROOFING WHEN REQUIRED BY THE CODE AS SHOWN ON THE ARCHITECTURAL PLANS. PROVIDE A FOOTING DRAIN AND WATER REMOVAL SYSTEM FOR BASEMENT FOUNDATION WALLS.

NO CONSTRUCTION SHALL BEGIN UNTIL ALL SEASONAL FROST HAS THAWED OR BEEN REMOVED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY STEPS TO PREVENT ANY FROST OR ICE FROM FORMING UNDER ANY FOOTING OR SLAB UNTIL THE PERMANENT STRUCTURE IS ENCLOSED AND HEATED.

SPECIAL INSPECTIONS/QUALITY ASSURANCE PROGRAM

SPECIAL INSPECTION IS REQUIRED BY CHAPTER 11 OF THE IBC. OWNER TO ENGAGE THE SERVICES OF A QUALIFIED SPECIAL INSPECTOR. THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION (AT A MINIMUM)

- SOILS COMPACTION, GRADATION, AND FILL
- CONCRETE REINFORCEMENT INSPECTION, PERIODIC PRIOR TO PLACEMENT
- POST INSTALLED SLEEVE & EPOXY ANCHORS, CONTINUOUS
- SEISMIC HOLD DOWNS, STEEL AND WOOD LATERAL RESISTING SYSTEMS
- WOOD BUILDING LATERAL SYSTEMS. INSPECT PRIOR TO COVER, FRAMING SPECIES, SHEATHING TYPE, NAIL AND ANCHOR BOLT TYPE, PLATE WASHERS, SHEAR WALL EDGE NAILING, SHEAR WALL TOP PLATE, TIE DOWN ANCHOR BRACKET TYPE AND LOCATION, HURRICANE CLIPS, STRAPS, DRAG STRUT CONNECTIONS WHERE CALLED OUT.

THE SPECIAL INSPECTION FIRM TO PROVIDE A SPECIAL INSPECTION AND QUALITY ASSURANCE PLANS PROGRAM FOR THE SEISMIC SYSTEM PER IBC 1105.2 FOR APPROVAL BY THE BUILDING OFFICIAL, OWNER AND ENGINEER OF RECORD. THE CONTRACTOR SHALL PROVIDE A LETTER OF RESPONSIBILITY PER IBC 1105.3 TO THE OWNER PRIOR TO CONSTRUCTION.

CONCRETE

ALL CONSTRUCTION SHALL BE PER THE AMERICAN CONCRETE INSTITUTE ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", AND IBC, LATEST EDITIONS. SUBMIT CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT PRIOR TO FABRICATION.

MATERIALS:

f'_c FLOOR SLABS 3000 psi
 f'_c OTHER 3000 psi
SLUMP 3" MAX
W/C RATIO - 0.40 MAX
AIR ENTRAINMENT = 5% (WHERE WEATHER EXPOSED)
PORTLAND CEMENT - ASTM C150 TYPE II
AGGREGATE, 1" MAX - ASTM C34, SECTION 4.13
EPOXY GROUT - ASTM C881
DEFORMED REINFORCEMENT - ASTM A614 G60
WELDED WIRE FABRIC - ASTM A105 OR A491
NON-SHRINK NON-METALLIC GROUT - ASTM C107

ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER SHALL CONTAIN AN AIR-ENTRAINING ADMIXTURE COMPLYING WITH ASTM C260. CHAMFER ALL EXPOSED CORNERS $\frac{3}{8}$ " UNLESS NOTED OTHERWISE. A CURING COMPOUND SHALL BE APPLIED (PER MANUFACTURER'S SPECIFICATIONS) TO ALL EXPOSED CONCRETE SURFACES UPON INITIAL SET OR PULLING OF FORMS.

COLD WEATHER CONCRETE SHALL CONFORM TO ACI 306 (ALL COLD WEATHER CONCRETE SHALL CONTAIN AIR ENTRAINMENT PER ACI TABLE 4.11). CALCIUM CHLORIDE SHALL NOT BE USED. MAINTAIN A MINIMUM OF 45 DEGREES F BEFORE, DURING AND FOR 7 DAYS AFTER ALL CONCRETE PLACEMENT.

ALL CONCRETE REINFORCING SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 318 AND ACI 315. LAF BARS WITH A CLASS B SPLICE AND 40 DIAMETER MINIMUM. MECHANICALLY CONSOLIDATE CONCRETE.

ALL CONDUITS AND PIPES EMBEDDED IN CONCRETE SHALL CONFORM WITH ALL PROVISIONS SPECIFIED IN ACI 318, SECTION 6.3 AND THE FOLLOWING. ALL PIPES AND CONDUITS THRU FOOTINGS AND WALLS MUST BE ISOLATED WITH DIAMETER 4" SLEEVES SPACED NO CLOSER THAN 6" O.C. PIPE AND CONDUITS MAY BE PLACED IN S.O.G. GREATER THAN 45" - DIAMETER MUST NOT EXCEED 15". PLACE IN MIDDLE THIRD OF THICKNESS - DO NOT DISPLACE REINFORCEMENT. SPACE AT 6" O.C. MINIMUM. SLEEVES, MECHANICAL OPENINGS, CONDUITS, PIPES, RECESSES, DEPRESSIONS SHALL BE PROVIDED AS SHOWN ON THE MECHANICAL AND ARCHITECTURAL DRAWINGS AND AS REQUIRED BY THE EQUIPMENT MANUFACTURERS. INSTALLATION OF THESE ITEMS SHALL BE COORDINATED WITH SHOP DRAWINGS OF TRADES REQUIRING THESE ITEMS.

CONCRETE COVER:

FOOTINGS 3", WALLS 1" EXCEPT 1-1/2" WHERE EXPOSED TO WEATHER, AND 2" AGAINST EARTH. SLABS AND JOISTS 1", SLABS ON GRADE 1-1/2". DOUELS SHALL BATCH SIZE AND NUMBER OF MAIN REINFORCING. MINIMUM VERTICAL SPACING OF BARS IN A ROW MAXIMUM 1" OR BARS DIAMETER AND BARS MUST STACK. WELDING OF REINFORCEMENT IS NOT ALLOWED.

FOOTINGS:

PROVIDE REINFORCING AS SHOWN ON THE DRAWINGS. PROVIDE CORNER BARS OF SAME SIZE AND NUMBER AT CORNERS AND INTERSECTIONS, 40 BAR DIAMETERS OR 24" (WHICHEVER IS GREATER) EACH LEG. PROVIDE VERTICAL DOUELS SAME SIZE, NUMBER AND SPACING AS VERTICAL BARS WITH A 90 DEGREE STANDARD HOOK AT THE BOTTOM OF THE FOOTING, UNO.

WALLS:

REINFORCE WALLS AS SHOWN ON THE DRAWINGS.

AT OPENINGS OVER 12" SQUARE, PROVIDE 2 #5 BARS AT CENTER OF WALLS ALL FOUR SIDES, EXCEPT FOR 10" WALLS AND OVER, PROVIDE 1 #6 EACH FACE ALL FOUR SIDES, EXTENDING 40 DIAMETERS PAST OPENING. PROVIDE 1 #5 X 4' DIAGONAL BAR AT CENTER OF WALL AT ALL FOUR CORNERS.

AT CORNERS, PROVIDE CORNER BARS INTO OUTSIDE FACE OF SAME SIZE AND SPACING AS HORIZONTAL BARS, 40 DIAMETERS EACH LEG.

AT INTERSECTIONS, PROVIDE CORNER BARS IN OUTSIDE FACE OF SAME SIZE AND SPACING AS HORIZONTAL BARS OF INTERSECTING WALL, 40 DIAMETERS EACH LEG.

DRILLED IN CONCRETE ANCHOR (DICA)

EXPANSION ANCHORS SHALL BE USED AS SHOWN ON THE DRAWINGS, ITU TRU-BOLT OR EQUAL. USE CORROSION RESISTANT FASTENERS. ICC CERTIFICATION REQUIRED.

DRILL IN ADHESIVE BOLTS:

ITU ACRYLIC TIE EPOXY ANCHOR SYSTEM FOR CONCRETE SHALL BE USED, OR APPROVED EQUAL. ICC CERTIFICATION REQUIRED.
LOW VELOCITY FASTENERS - HILTI CN1 POWDER ACTUATED FASTENER SYSTEM, 0.145" DIAMETER MINIMUM. USE CORROSION RESISTANT FASTENERS. ICC CERTIFICATION REQUIRED.

WOOD PRODUCTS

ALL LUMBER SHALL BE A MINIMUM OF #2 FOR ALL BRIDGING, BLOCKING AND FRAMING REQUIRED. MINIMUM FASTENING TO BE PER IBC TABLE 2304.9.1 UNLESS SPECIFICALLY NOTED IN THESE DRAWINGS. PROVIDE POSITIVE CONNECTION UTILIZING SIMPSON HANGERS OR FRAMED BEAM POCKETS TO RESIST VERTICAL AND LATERAL LOADING AT ALL POST CAPS AND BASES, BEARING WALLS.

PLATE CONNECTED TRUSSES - PROVIDE ENGINEERED SHOP DRAWINGS AND CALCULATIONS STAMPED BY AN ALASKAN LICENSED PROFESSIONAL ENGINEER, REVIEWED FOR CONFORMANCE BY THE CONTRACTOR, TO THE OWNER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION. PROVIDE FULL DEPTH PROPERLY VENTED BLOCKING AT ALL SUPPORTS. NAIL ROOF SHEATHING TO BLOCKS WITH 10d's @ 3" O.C. FASTEN BLOCKS TO PLATE WITH 16d TOE NAILS @ 6" O.C. PLUS A SIMPSON A35. PROVIDE TRUSS WEB BRIDGING WHERE INDICATED ON THE SHOP DRAWINGS, AND TIE THIS BRIDGING WITH DIAGONAL X-BRACING. BRACE GABLE END TRUSSES PER THE TRUSS PLATE INSTITUTE TP/H1B AND DETAILS ON THE PLANS. DESIGN PER ROOF DESIGN LOADS ON 002, PROVIDE BOTTOM CHORD DEAD LOAD OF 10 PSF, TOP CHORD DEAD LOAD OF 15 PSF. MAXIMUM DEFLECTION OF L/360 OR 1", WHICHEVER IS LESS. CONTRACTOR TO PROVIDE FOR ANTICIPATED TRUSS UPLIFT @ INTERIOR WALLS DUE TO TRUSS SHRINKAGE IN COLD WEATHER W/ STC CLIPS AND SHEETROCK FASTENING.

WOOD I- JOISTS - PROVIDE WOOD I- JOISTS AS MANUFACTURED BY BOISE CASCADE, TRUSS JOIST, ROSEBURG OR EQUAL. PROVIDE FULL DEPTH SOLID BLOCKING AT ALL SUPPORTS. COORDINATE ALL HANGERS WITH ACTUAL JOIST SIZE. SUBMIT CONTRACTOR CHECKED ENGINEER SHOP DRAWINGS STAMPED BY AN ALASKAN LICENSED PROFESSIONAL ENGINEER PRIOR TO FABRICATION AND INSTALLATION.

FLOOR SHEATHING - USE APA RATED SHEATHING, TONGUE AND GROOVE, USE $\frac{3}{8}$ " SPAN RATING.

GLU LAM BEAMS SHALL BE 24F DF/HF WITH $F_b = 2,400$ psi. USE V4 FOR SIMPLE SPANS AND V8 FOR CANTILEVERS OR BEAMS CONTINUOUS OVER SUPPORTS.

ROOF SHEATHING: USE APA RATED SHEATHING. UPPER ROOF SHEATHING WITH SUPPORTS @ 24" O.C. USE MINIMUM $\frac{3}{8}$ " SHEATHING WITH A 24/16 SPAN RATING, FOR LOWER ROOFS SUBJECT TO SLIDING AND/OR DRIFTING SNOW, USE $\frac{1}{2}$ " SHEATHING WITH A SPAN RATING OF 40/10.

WALL SHEATHING: USE APA RATED SHEATHING. PROTECT SHEATHING FROM THE WEATHER UNLESS IT IS RATED FOR EXTERIOR EXPOSURE. PROVIDE FRAMING OR BLOCKING BEHIND ALL PANEL EDGES. PROVIDE MINIMUM $\frac{3}{8}$ " FROM EDGE TO CENTER OF NAIL. DRIVE NAILS FLUSH, DO NOT OVERDRIVE FASTENERS. PROVIDE FASTENERS PER SHEARWALL SCHEDULE.

ALL WOOD IN CONTACT WITH CONCRETE OR EXPOSED TO THE WEATHER SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH AMERICAN WOOD PRESERVATIVE ASSOCIATION. PROVIDE PRESSURE TREATED FOUNDATION SILL PLATES, PROVIDE 3X3X22 1/2" MIN. PLATE WASHERS FOR FOUNDATION ANCHOR BOLTS.

SUSPENDED CEILING

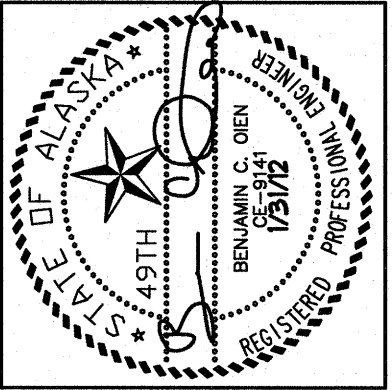
(SUSPENDED CEILING SHALL BE INSTALLED AS REQUIRED BY ASCE 7-05 TO RESIST ALL SEISMIC LOADS, AND TO COMPLY WITH ALL FIRE CODE ISSUES. COORDINATE WITH ARCHITECTURAL SHEETS.)

DEFERRED SUBMITTALS

PROVIDE THE FOLLOWING SUBMITTALS TO THE ENGINEER OF RECORD AND OWNER FOR APPROVAL PRIOR TO FABRICATION AND/OR INSTALLATION. ALL WORK TO BE DONE BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALASKA

- LATERAL RESTRAINT OF MECHANICAL AND ELECTRICAL EQUIPMENT
- SKYLIGHT CONSTRUCTION, AND FASTENING REQUIRED

- Suspended ceiling



Oien Associates, Inc.
Engineering Inspections
Construction Management
Phone: (907) 684-0507
Fax: (907) 684-0508
Email: bole@alaska.net
18322 Hansen Drive
Eagle River, AK 99577

Near Island Senior Housing
Kodiak, Alaska

Reviewed for Code Compliance

City of Kodiak
Building Department

Date: 3/30/12

Reviewed By: [Signature]

NO.	REVISION	DATE
1	RESP TO COMM	6/16/11
2	RESP TO COMM	10/16/11
3	FINAL CD'S	1/31/12

ABBREVIATIONS

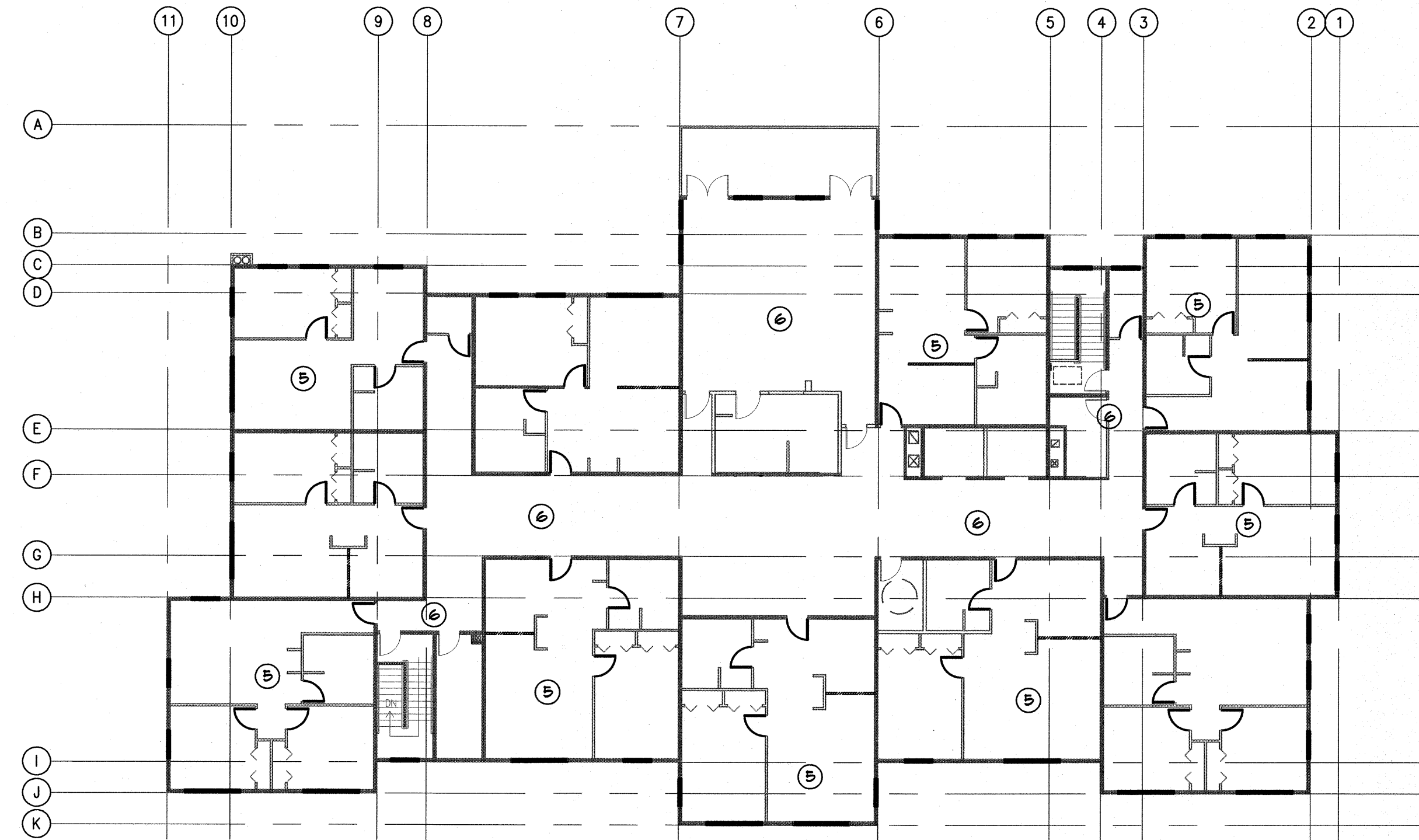
EW	- EACH WAY
IBC	- 2006 INTERNATIONAL BUILDING CODE
IS	- INSIDE
OS	- OUTSIDE
F.O.S.	- FACE OF STUD
H.G.	- HOT DIP GALVANIZED
MFG	- MANUFACTURER
FFA	- FOOT FROM ABOVE
SIM	- SIMILAR TO
SIP	- STRUCTURAL INSULATED PANELS
TYP.	- TYPICAL
UNO	- UNLESS NOTED OTHERWISE
W.T.E.	- WITH THE EXCEPTION
WWM	- WELDED WIRE MESH

JOB NO. 210686
DATE 3/18/11
DRAWN FRJ
REVIEWED BCO

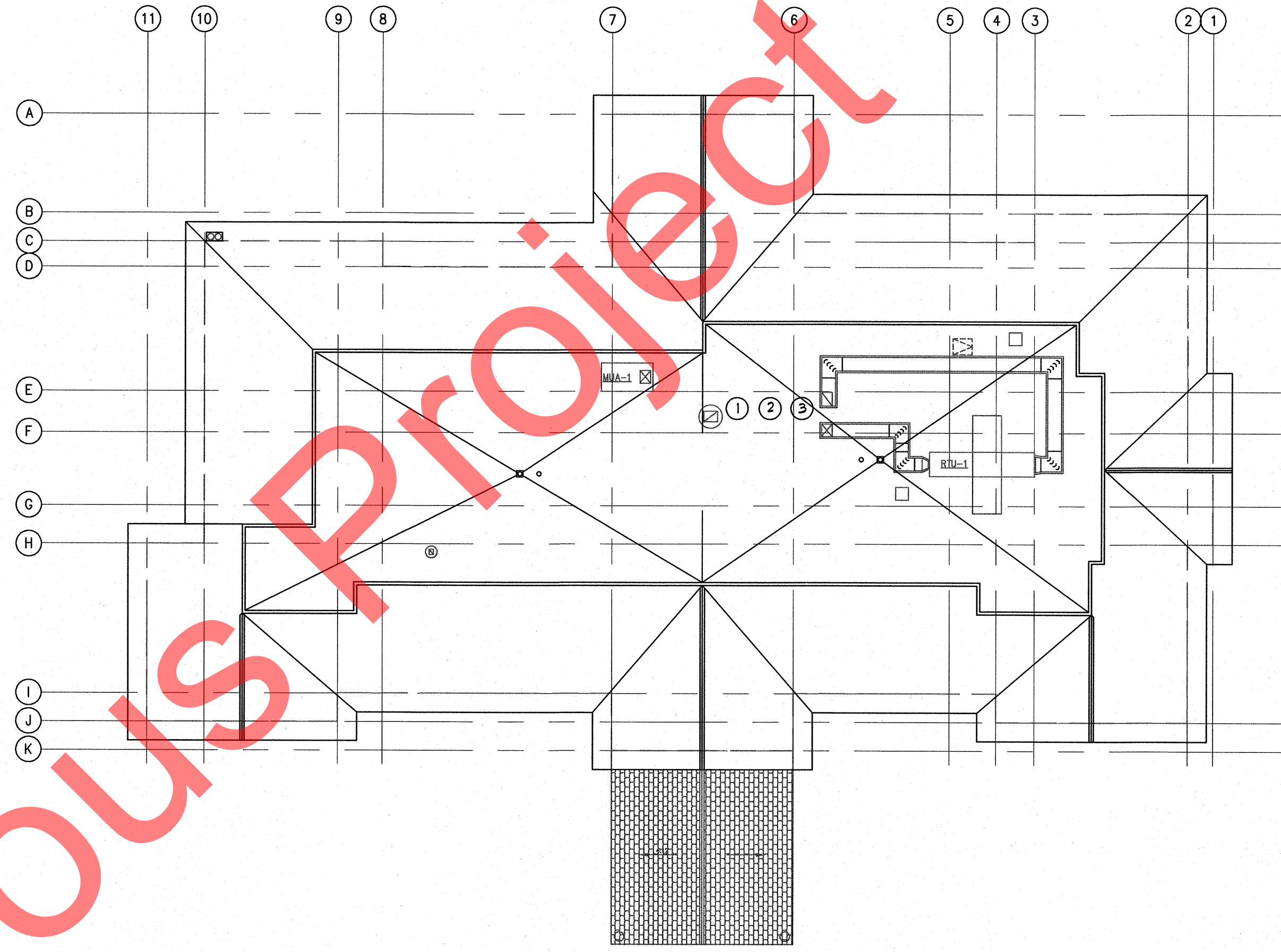
SHEET TITLE:
STRUCTURAL NOTES

SHEET NO.
S0.1

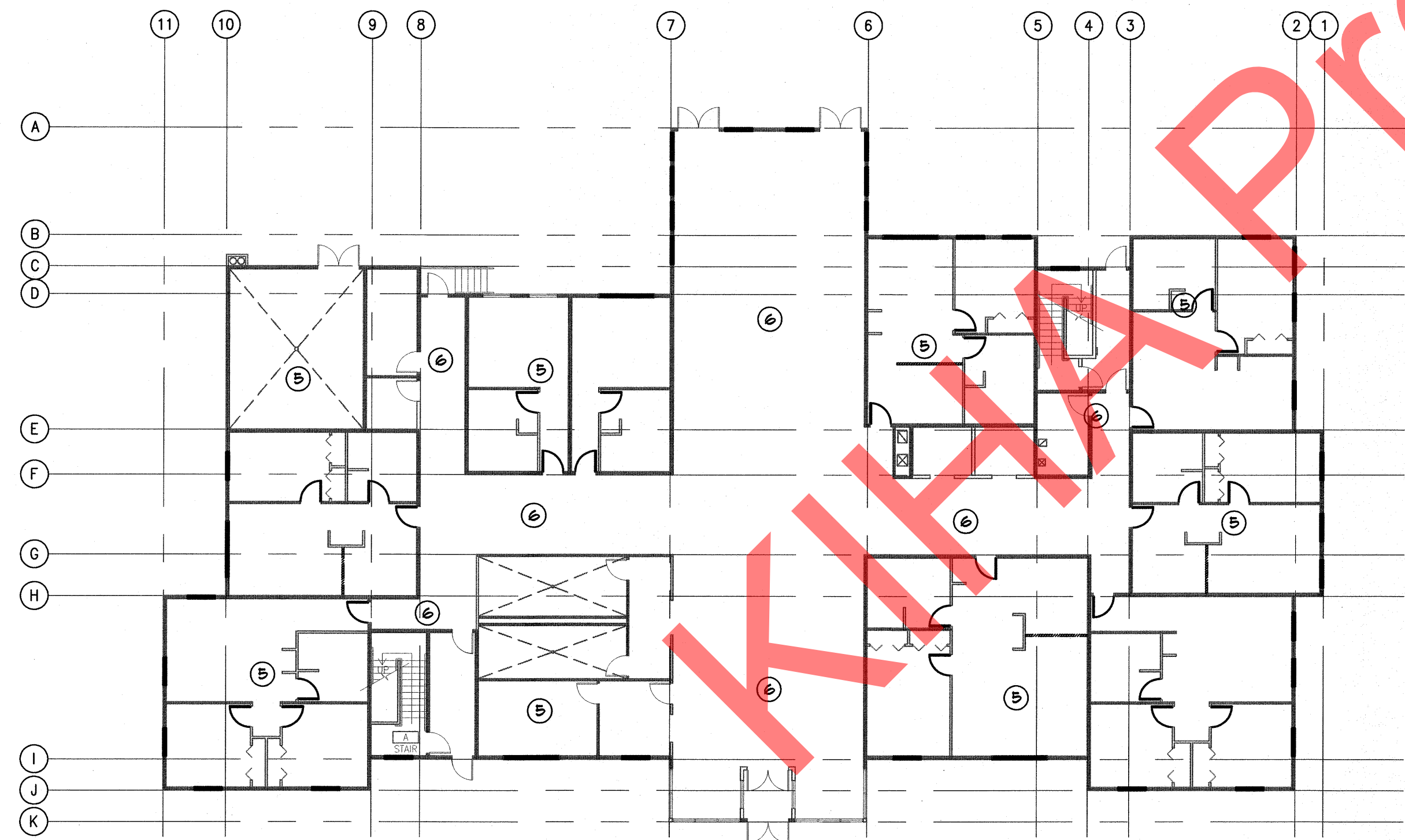
DESIGN LOAD SCHEDULE		
DESCRIPTION	SUPERIMPOSED DEAD LOAD (PSF)	LIVE LOAD (PSF)
① ROOF BALANCED SNOW LOAD	5	50
② ROOF UPLIFT LOAD, W/IN 8' OF EAVE	0	45
③ ROOF UPLIFT W/IN 8' OF CORNERS	0	60
④ ROOF UPLIFT LOAD, ALL OTHER AREAS	0	35
⑤ FLOOR LOAD RESIDENTIAL	10	40
⑥ FLOOR LOAD ASSEMBLY AREA, CORRIDORS AND EXITS	10	100



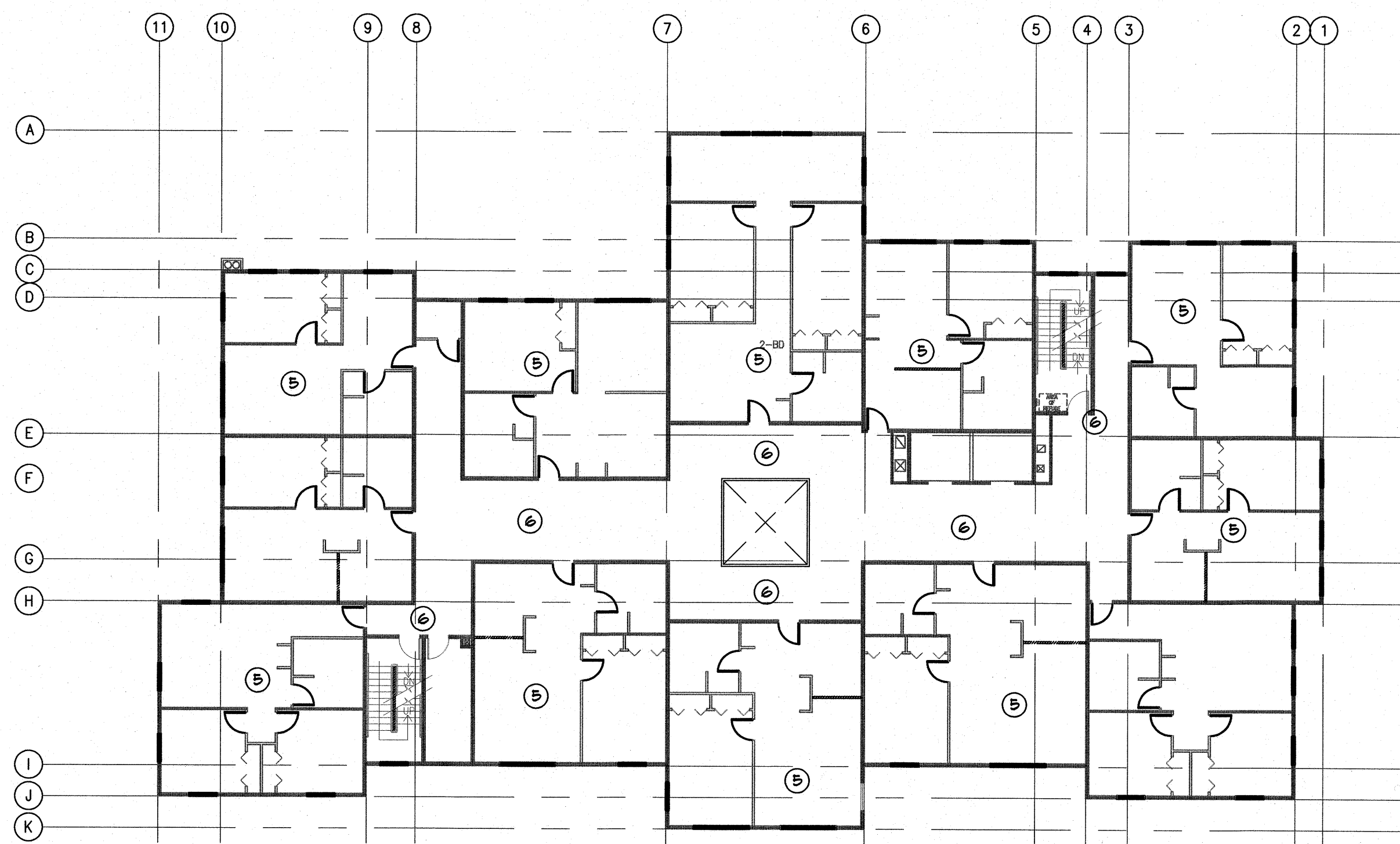
③ Third Floor Design Load
Scale: 1/8" = 1'-0"



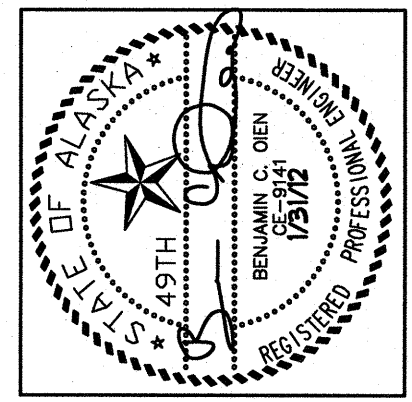
④ Roof Design Load
Scale: 1/8" = 1'-0"



① First Floor Design Load
Scale: 1/8" = 1'-0"



② Second Floor Design Load
Scale: 1/8" = 1'-0"



Oien Associates, Inc.
 Engineering Inspections
 Construction Management
 18022 Hanson Drive
 Eagle River, AK 99577
 Phone: (907) 694-0507
 Fax: (907) 694-0508
 Email: boien@alaska.net

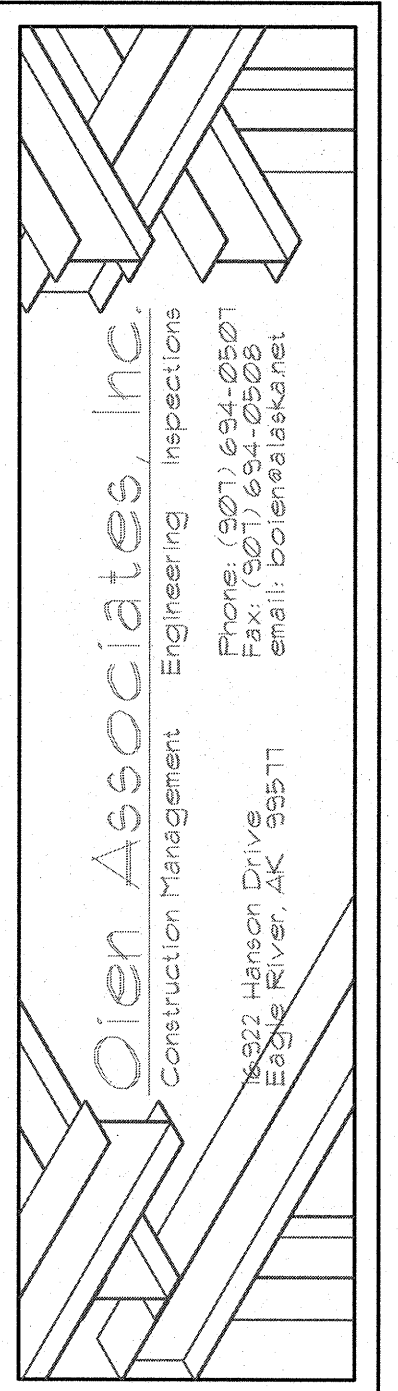
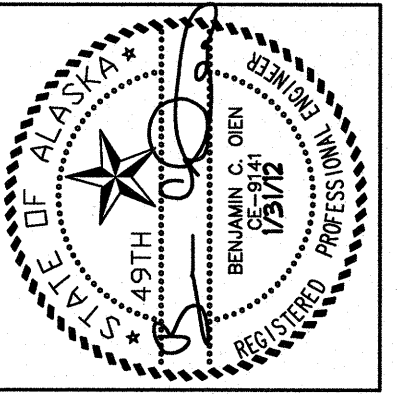
Near Island Senior Housing
 Kodiak, Alaska

NO.	REVISION	DATE
1	RESP TO COMM	6/16/11
2	RESP TO COMM	10/16/11
3	FINAL CD'S	1/31/12

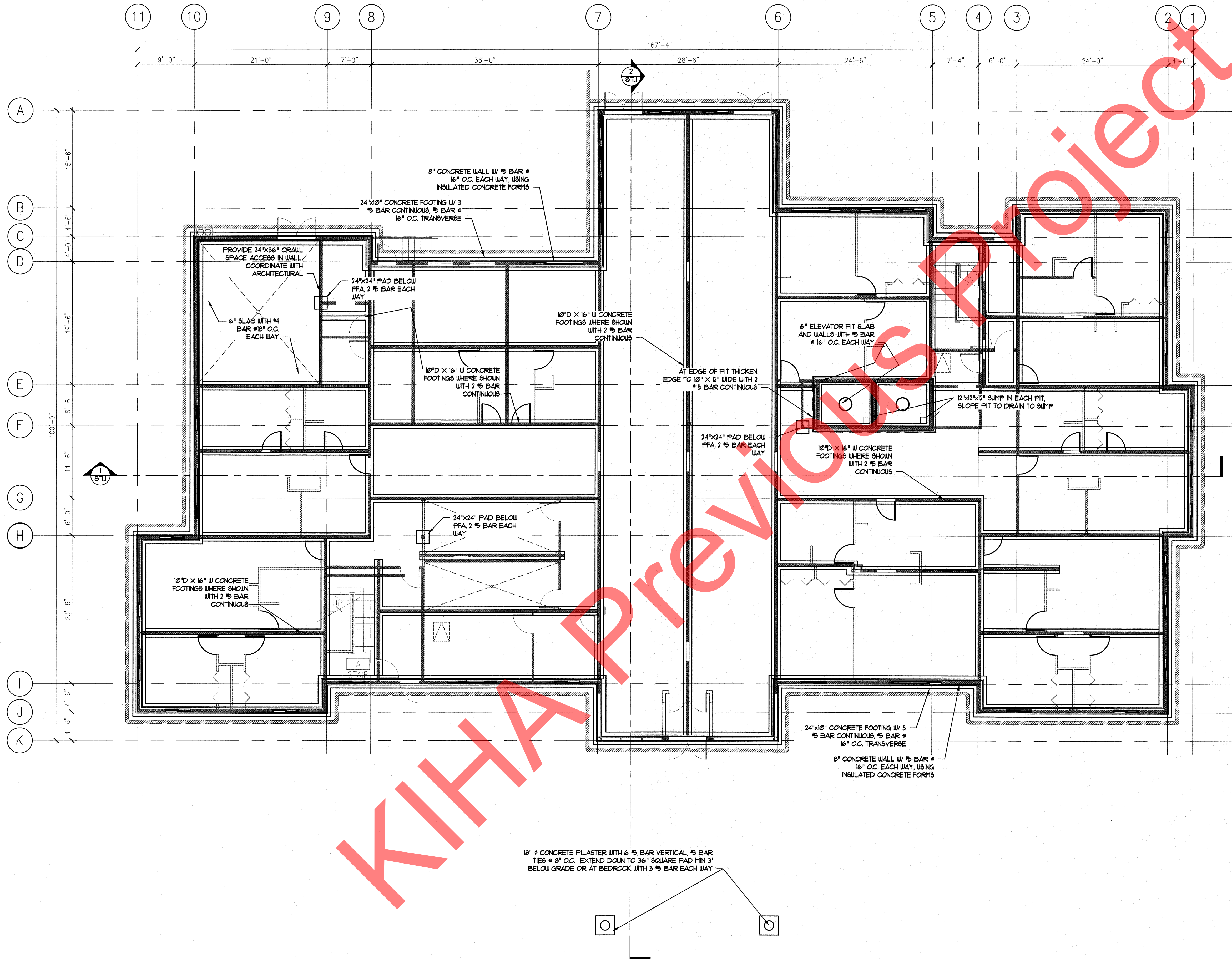
JOB NO. 210606
 DATE 3/16/11
 DRAWN RRJ
 REVIEWED BCO

SHEET TITLE:
 DESIGN LOAD SCHEDULE

SHEET NO.
S0.2



Near Island Senior Housing
Kodiak, Alaska



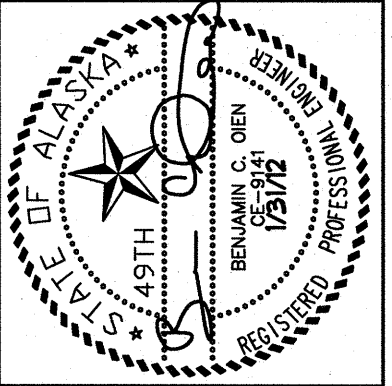
NOTES
 1. REFER TO S21 FOR FFA LOCATIONS AND NOTES FOR SOLID BLOCKING AND BEARING TO THE FOUNDATION
 2. CONTRACTOR VERIFY ALL FFA LOCATION.

NO.	REVISION	DATE
1	RESP TO COMM	6/16/11
2	RESP TO COMM	10/16/11
3	FINAL CD'S	1/31/12

JOB NO. 210686
 DATE 3/18/11
 DRAWN RRJ
 REVIEWED BCO

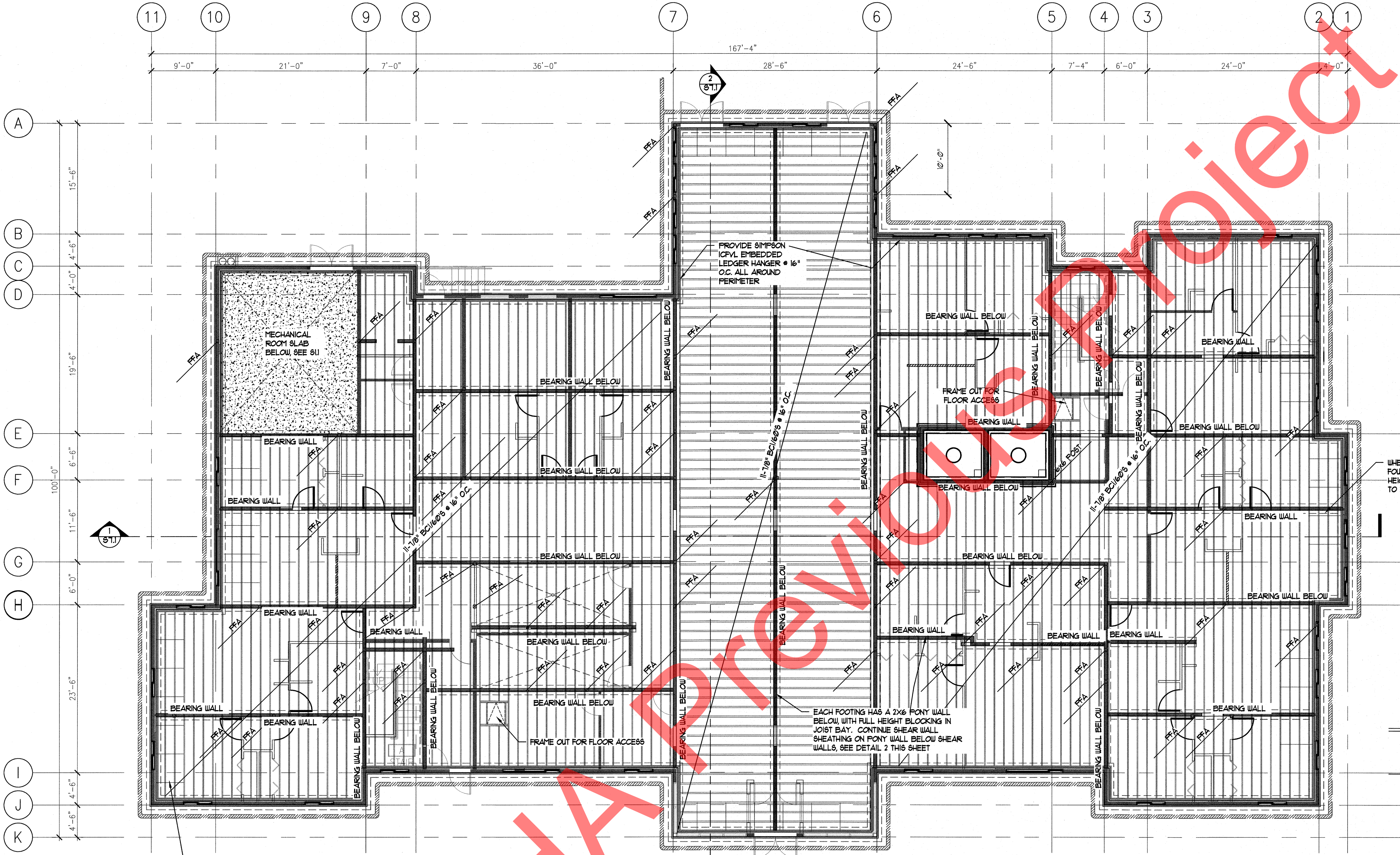
SHEET TITLE:
 FOUNDATION PLAN

SHEET NO.
S1.1



Boenel Associates, Inc.
 Engineering Inspections
 Construction Management
 Phone: (907) 694-0507
 Fax: (907) 694-0508
 Email: boenel@alaska.net
 8432 Hanson Drive
 Eagle River, AK 99577

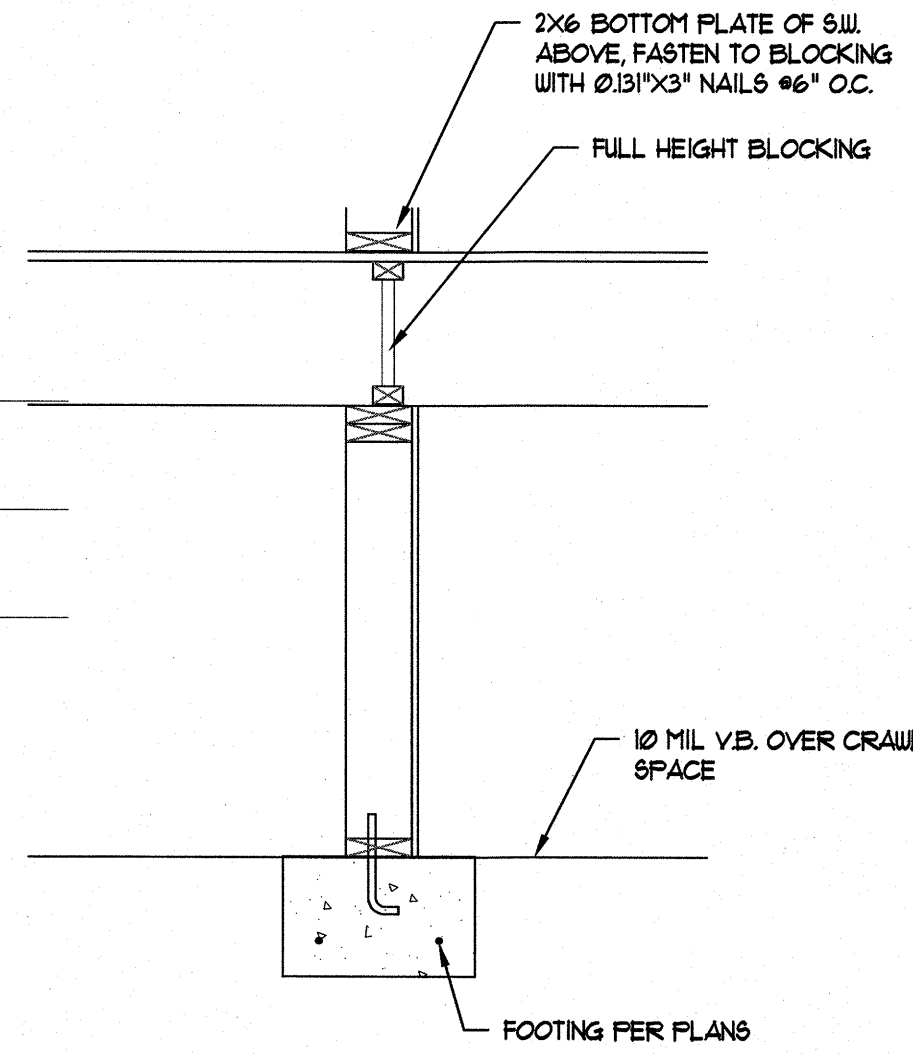
Near Island Senior Housing
 Kodiak, Alaska



WHERE JOIST ARE PARALLEL TO THE FOUNDATION WALL, PROVIDE 3 BAYS OF FULL HEIGHT BLOCKING @ 4' O.C. FASTEN SHEATHING TO BLOCKING WITH Ø131/2" NAILS @ 3" O.C.

EACH FOOTING HAS A 2X6 PONY WALL BELOW WITH FULL HEIGHT BLOCKING IN JOIST BAY. CONTINUE SHEAR WALL SHEATHING ON PONY WALL BELOW SHEAR WALLS, SEE DETAIL 2 THIS SHEET

WHERE JOIST ARE PARALLEL TO THE FOUNDATION WALL, PROVIDE 3 BAYS OF FULL HEIGHT BLOCKING @ 4' O.C. FASTEN SHEATHING TO BLOCKING WITH Ø131/2" NAILS @ 3" O.C.



2 Pony Wall Shear Wall
 Scale: 3/4" = 1'-0"

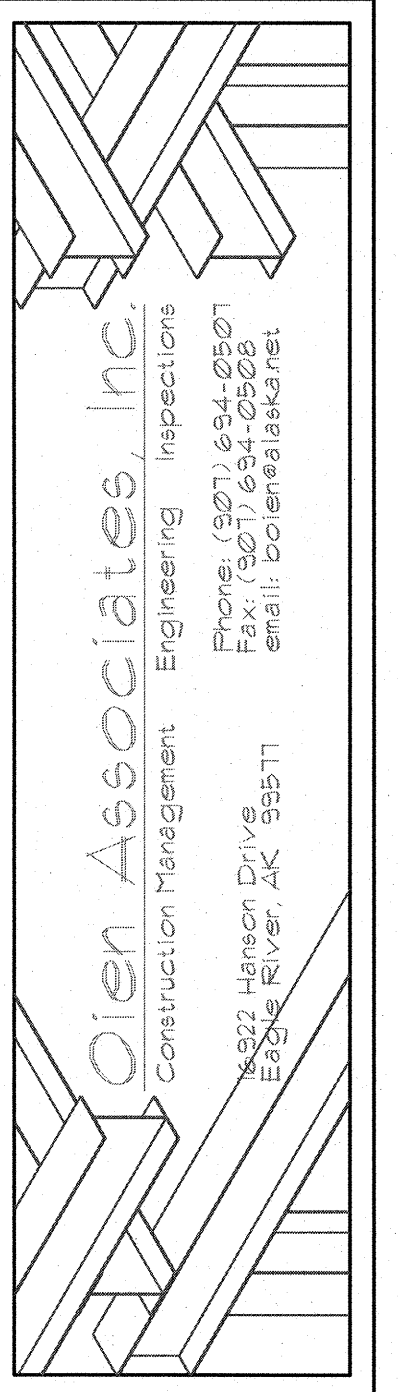
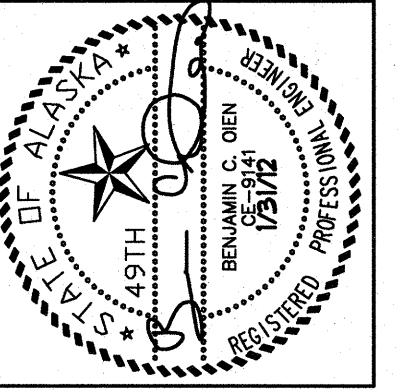
NO.	REVISION	DATE
1	RESP TO COMM	6/16/11
2	RESP TO COMM	10/16/11
3	FINAL CD'S	1/31/12

JOB NO. 210206
 DATE 3/18/11
 DRAWN RRU
 REVIEWED BCO

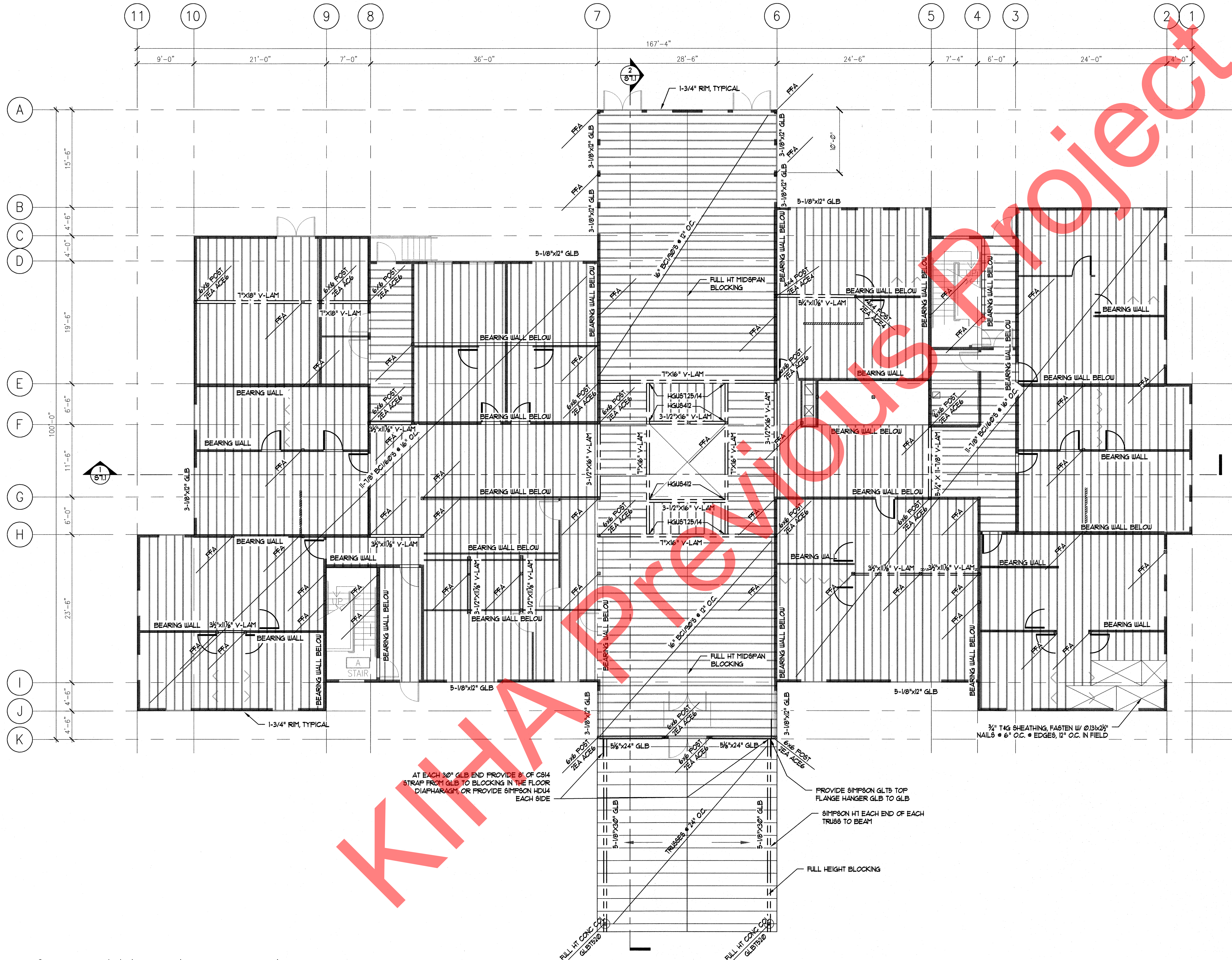
SHEET TITLE:
 FIRST FLOOR FRAMING PLAN

SHEET NO.
S2.1

1 First Floor Framing Plan
 Scale: 1/4" = 1'-0"



Near Island Senior Housing
Kodiak, Alaska



SHEET NOTES

- 3" DOOR HEADERS IN BEARING WALLS TO BE MIN. 2x8 HPF, ALL EXTERIOR WINDOW HEADERS TO BE 4x12 HPF UNO.
- FULL HT BLOCKING OVER BEARING
- AT FFA PROVIDE SOLID BLOCKING 4 M8T31 POST ABOVE TO POST BELOW IF THIS IS SUPPORTED ON A BEAM, PROVIDE C16T40B3 BEAM TO POST

AT EACH 20" GLB END PROVIDE 3" OF C84 STRAP FROM GLB TO BLOCKING IN THE FLOOR DIAPHRAGM, OR PROVIDE SIMPSON HDU4 EACH SIDE

PROVIDE SIMPSON GLTB TOP FLANGE HANGER GLB TO GLB

SIMPSON HT EACH END OF EACH TRUSS TO BEAM

FULL HEIGHT BLOCKING

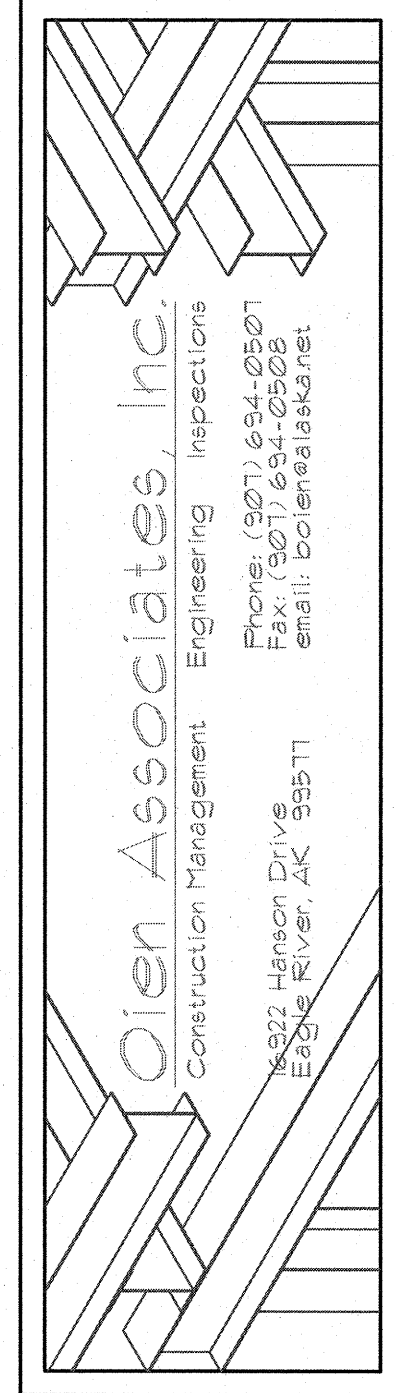
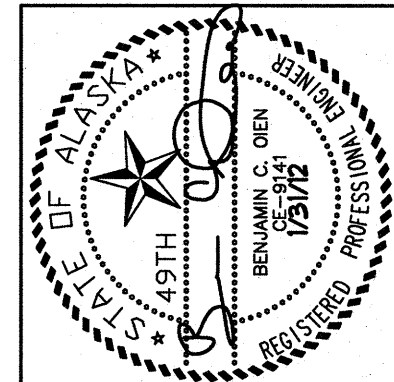
NO.	REVISION	DATE
1	RESP TO COMM	6/16/11
2	RESP TO COMM	10/16/11
3	FINAL CD'S	1/31/12

JOB NO. 210686
DATE 3/18/11
DRAWN RRJ
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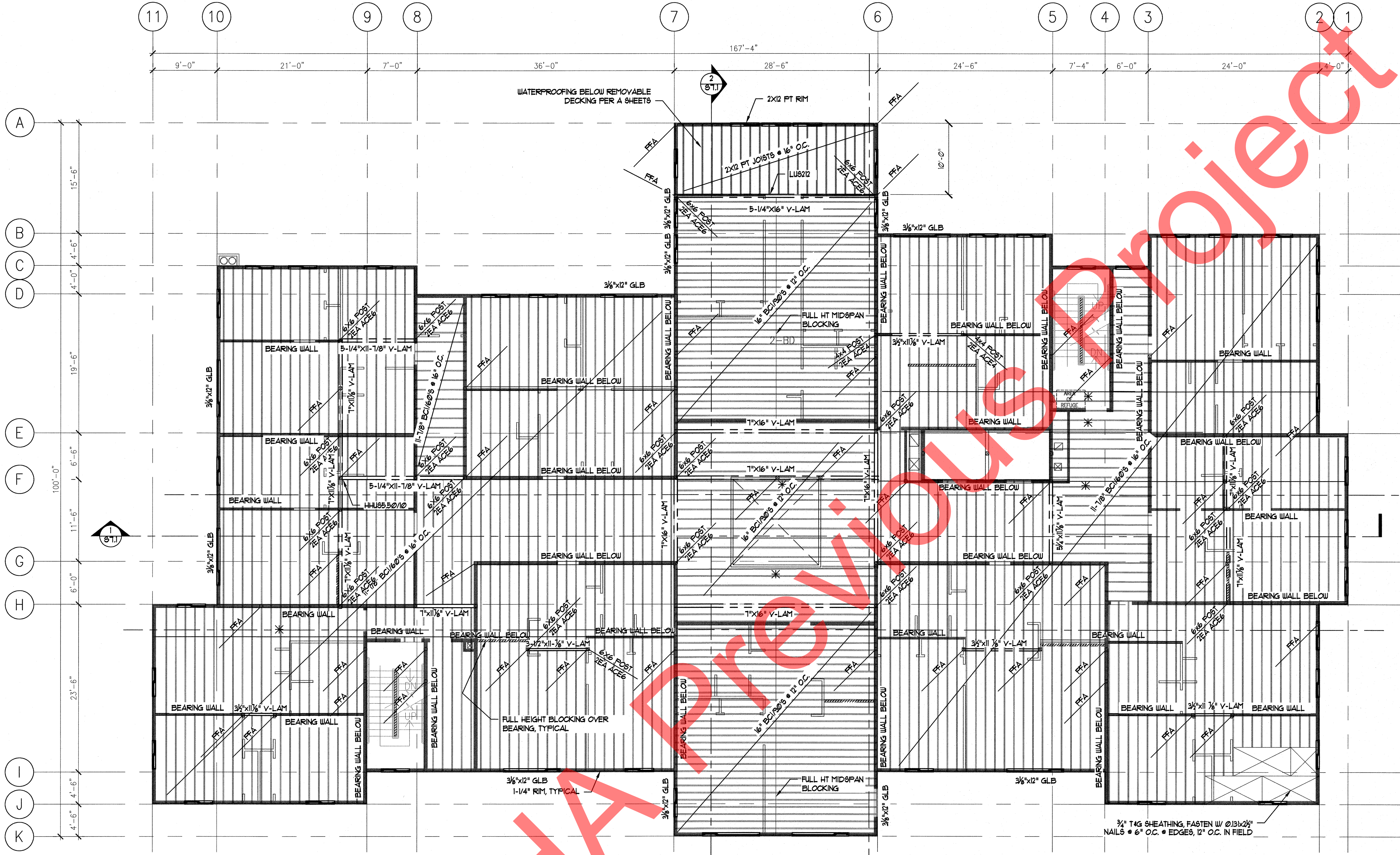
SHEET TITLE:
SECOND FLOOR FRAMING PLAN

SHEET NO.
S3.1

Second Floor Framing Plan
Scale: 1/8" = 1'-0"



Near Island Senior Housing
Kodiak, Alaska



SHEET NOTES

- 3' DOOR HEADERS IN BEARING WALLS TO BE MIN. 2EA 2x8 HPF, ALL EXTERIOR WINDOW HEADERS TO BE 4x12 HPF UNO.
- FULL HT BLOCKING OVER BEARING
- AT FFA PROVIDE SOLID BLOCKING 4 1x8x131 POST BELOW IF THIS IS SUPPORTED ON A BEAM, PROVIDE C16T48B3 BEAM TO POST

* PROVIDE FLAT BLOCKING AND CONTINUOUS C3/16 STRAP OVER SHEATHING WHERE INDICATED

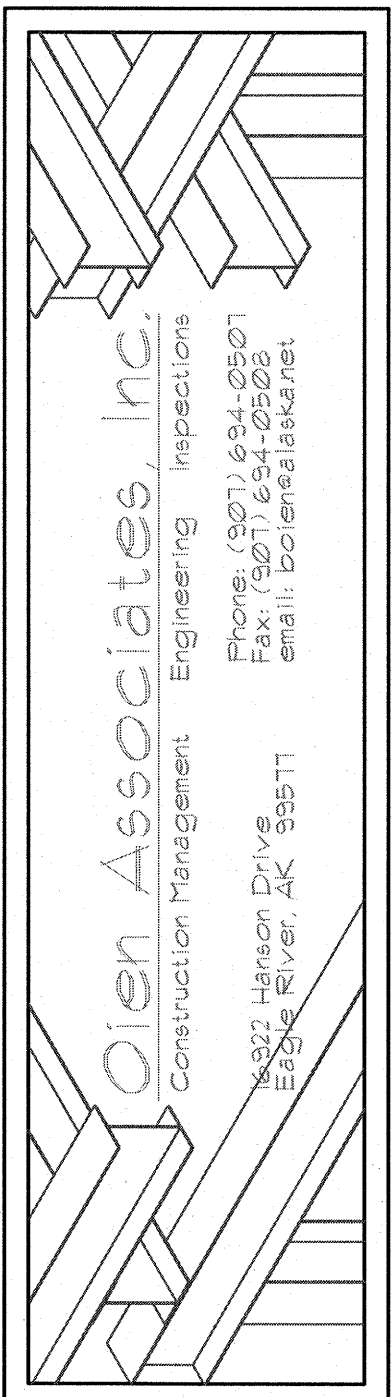
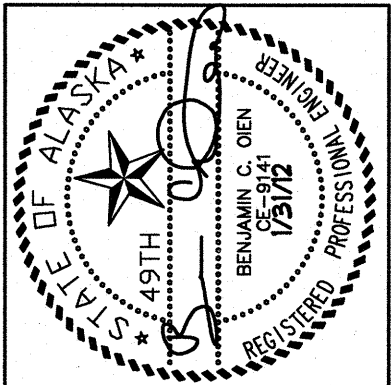
Third Floor Framing Plan
Scale: 1/8" = 1'-0"

NO.	REVISION	DATE
1	RESP TO COMM	6/16/11
2	RESP TO COMM	10/16/11
3	FINAL CD'S	1/31/12

JOB NO. 210286
DATE 3/18/11
DRAWN RRU
REVIEWED BCO

SHEET TITLE:
THIRD FLOOR FRAMING PLAN

SHEET NO.
S4.1



Near Island Senior Housing
Kodiak, Alaska

NO.	REVISION	DATE
1	RESP TO COMM	6/16/11
2	RESP TO COMM	10/6/11
3	FINAL CD'S	1/31/12

JOB NO. 210606
DATE 3/18/11
DRAWN RRU
REVIEWED BCO

SHEET TITLE:
ROOF FRAMING PLAN

SHEET NO.

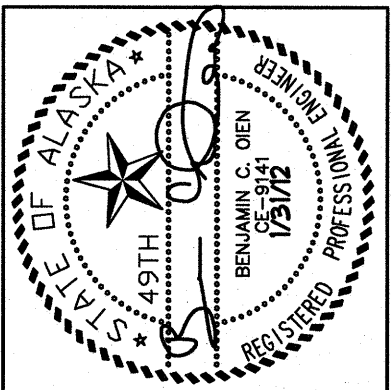
S5.1

- SHEET NOTES**
- ALL HEADERS TO BE 4x12 HP# UNO.
 - PROVIDE DOUBLE 2x KING STUD AND TRIMMER FOR ALL OPENINGS OVER 4'. USE H44 ON 3-1/8" HEADERS, H46 ON 5-1/8" HEADERS.
 - FULL HT BLOCKING OVER BEARING TYPICAL.
 - SIMPSON H10 TRUSS TO TOP PLATES, UNO.
 - PROVIDE MINIMUM FACE NAIL HANGERS FOR ALL BEAM TO BEAM CONNECTIONS UNO, HH485/50/10 FOR GLB'S UP TO 12" DEPTH, HG485/50/14 FOR LARGER GLB'S.
 - ALL POST TO BEAM CONNECTIONS TO HAVE POSITIVE CONNECTIONS, MIN AC6 OR AC66 EACH SIDE OF POST TO BEAM UNO.
 - TYPICALLY THE LARGER BEAMS TO BEAR ON POSTS WITH SMALLER BEAMS HANGING OFF THE LARGER BEAM AT INTERSECTIONS.
 - USE HCA HINGE CONNECTORS FOR IN-PLANE BEAM DEPTH CHANGE CONNECTIONS.
 - CONTRACTOR TO COORDINATE ALL CONNECTORS, AND PROVIDE CONNECTIONS AS REQUIRED.



Roof Framing Plan

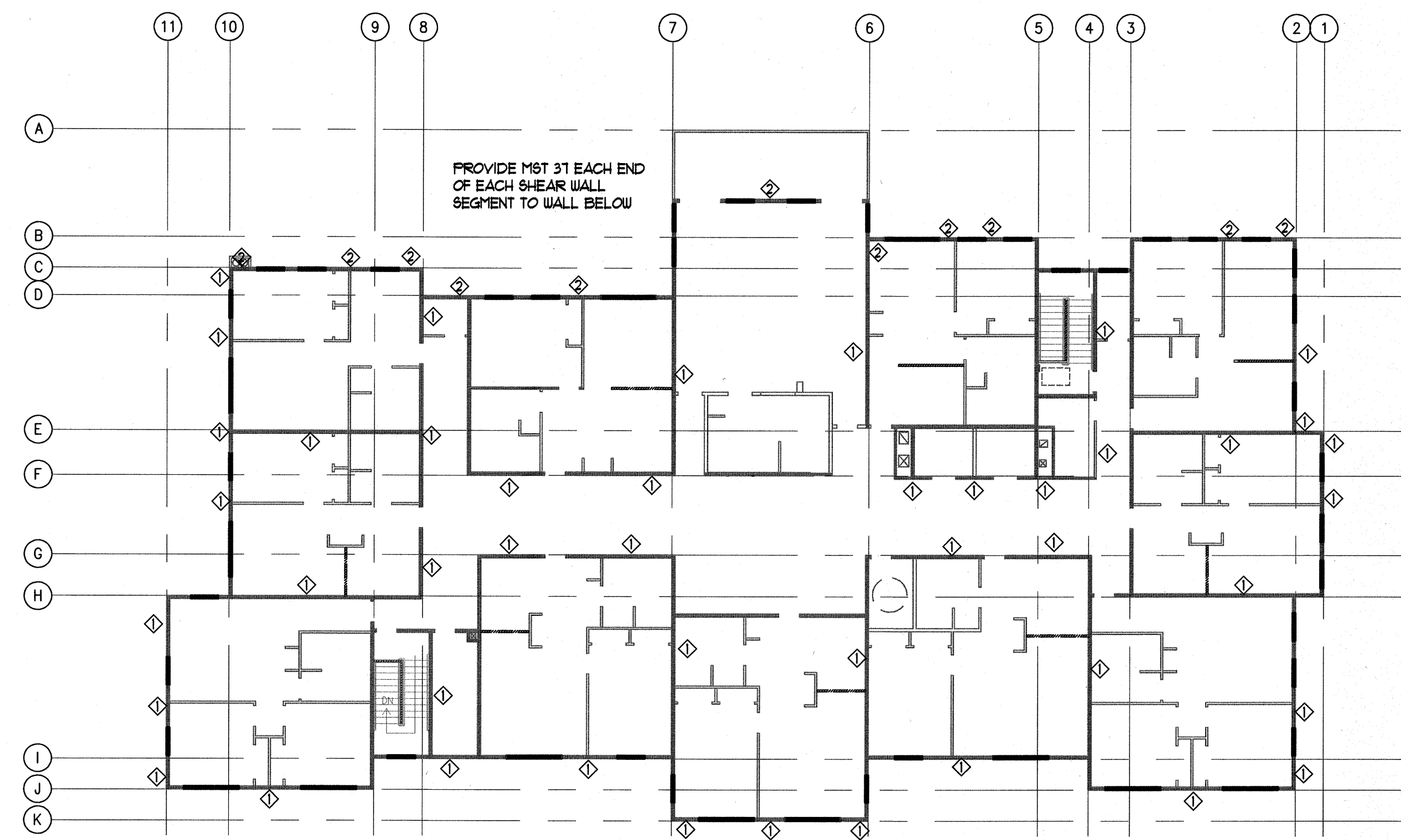
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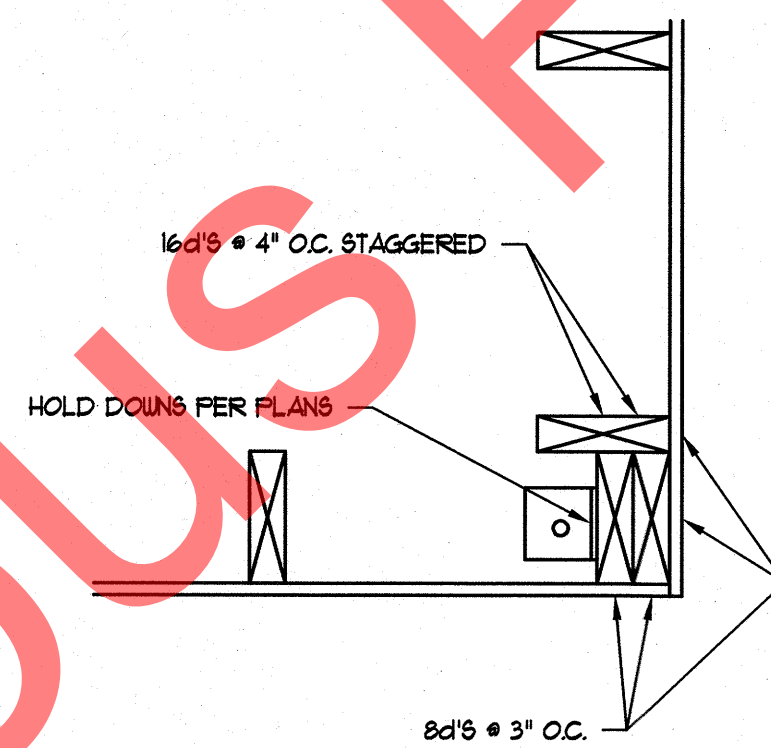
Oien Associates, Inc.
 Construction Management Engineering Inspections
 1822 Hanson Drive
 Eagle River, AK 99571
 Phone: (907) 684-0507
 Fax: (907) 684-0505
 Email: ben@oien.net

SHEARWALL SCHEDULE						
SHEAR WALL	PLYWOOD THICKNESS	SIDES	PLF REQUIRED	EDGE NAILS & SPACING	FIELD SPACING	NOTES
◇	1/16	1	388	Ø13 x 2" @ 3" O.C. Ø131 x 2 1/2" @ 4" O.C. 16GA STAPLES @ 4" O.C.	12" O.C.	
◇	1/16	2	166	Ø13 x 2" @ 3" O.C. Ø131 x 2 1/2" @ 4" O.C.	6" O.C.	
◇	1/16	2	1000	Ø13 x 2" @ 2" O.C. Ø131 x 2 1/2" @ 3" O.C.	6" O.C.	

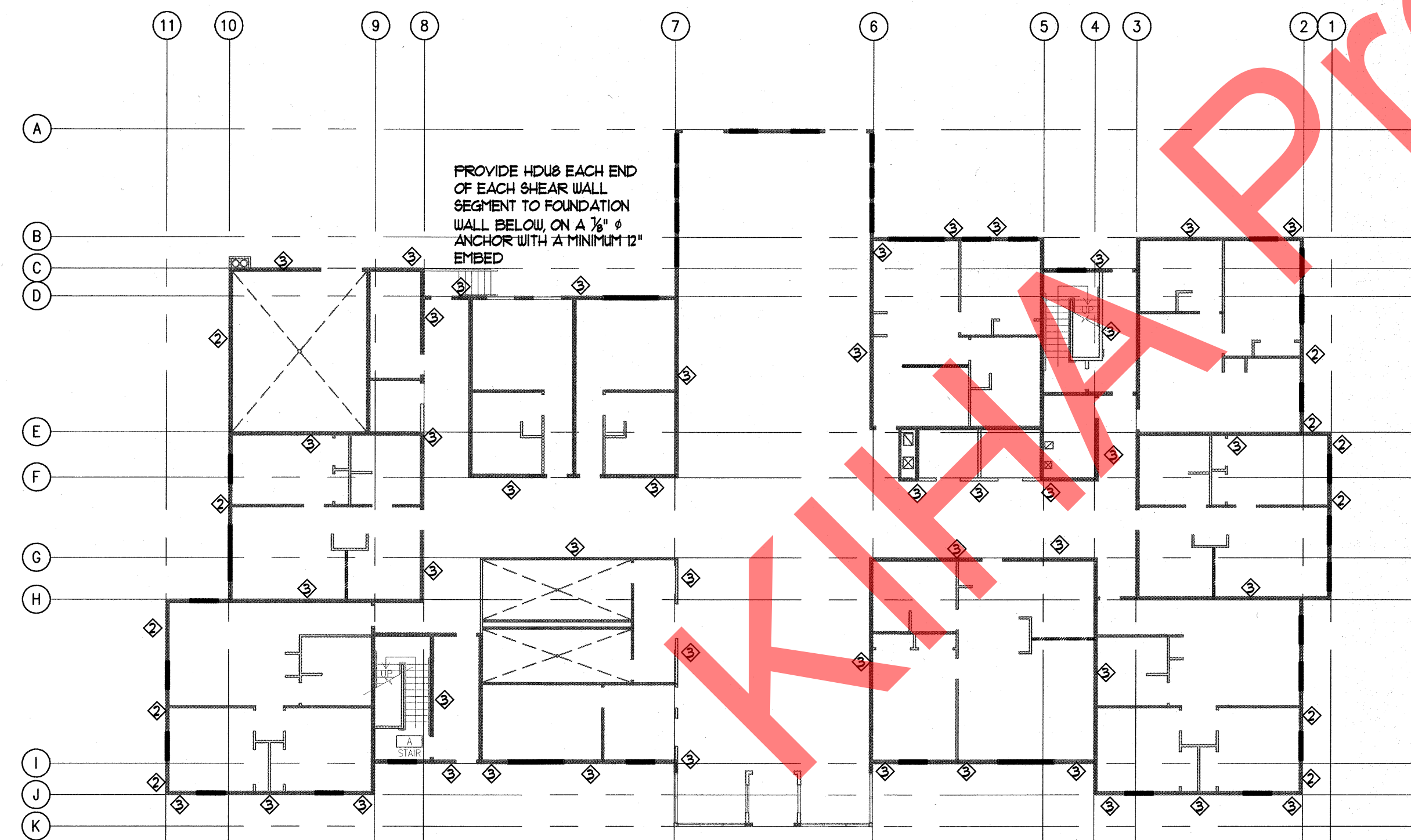
SHEARWALL NOTES
 - SHEARWALL SHEATHING TO BE SUPPORTED ON ALL EDGES, SHEATHING MAY BE INSTALLED EITHER VERTICAL OR HORIZONTAL.
 - HOLD DOWNS TO BE INSTALLED WITH ANCHORS AND EMBEDMENT AS INDICATED.
 - PROVIDE MIN. 1" EMBED ON ALL ANCHOR BOLTS.
 - PROVIDE 3"x3"x2 1/2" MIN. WASHERS ON ALL ANCHOR BOLTS.
 - PROVIDE 3X OR DOUBLE 2X @ ADJOINING PANEL EDGES WHERE NAILING IS 2'-0" OR LESS, DOUBLE 2X NAIL TOGETHER W/ Ø131 x 2 1/2" NAILS @ 4" O.C. FROM EACH SIDE.
 - STAPLES TO BE 1/2" CROWN x 2" LONG.



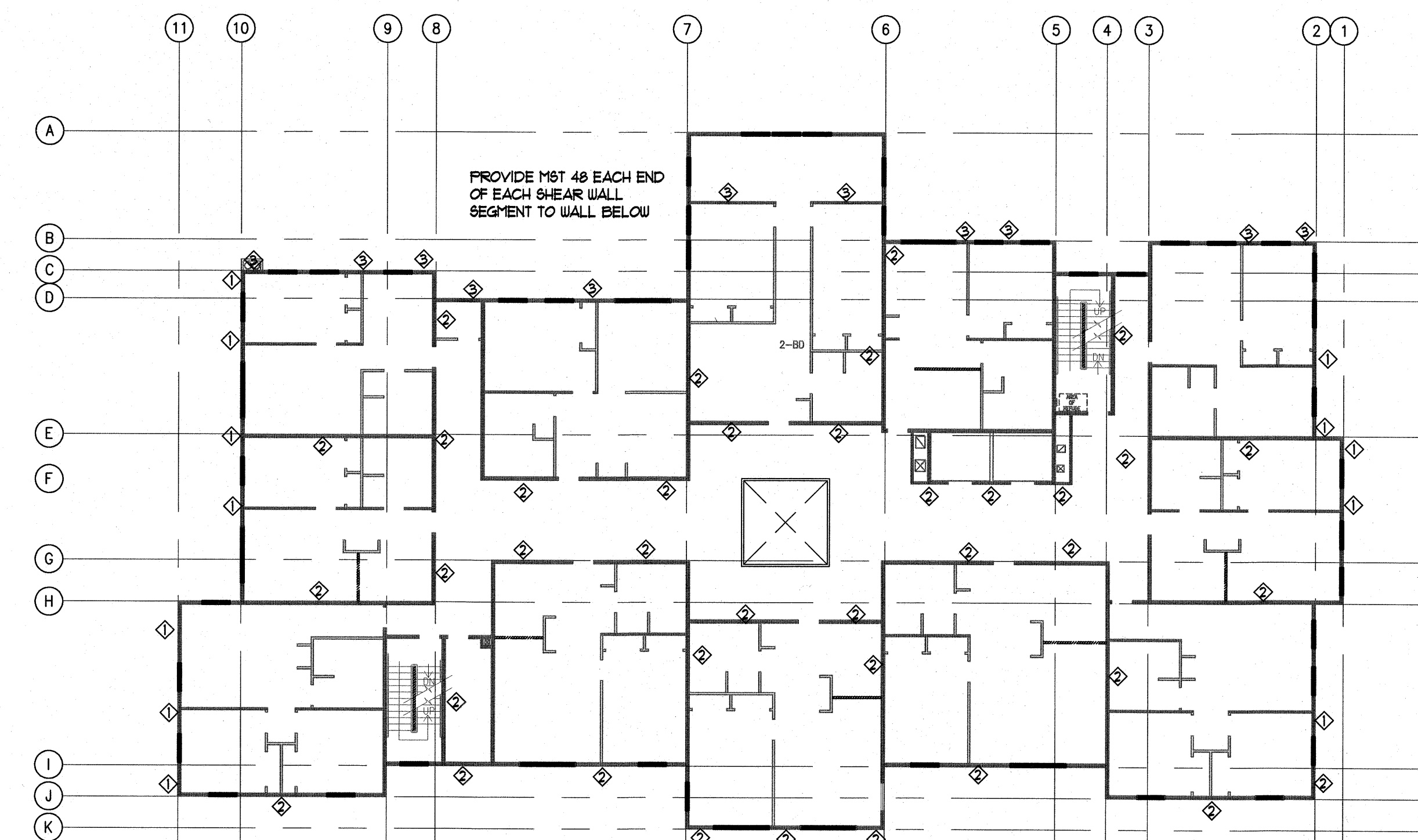
3 Third Floor Shear Plan
 Scale: 1/8" = 1'-0"



4 Shared Hold Down Detail
 Scale: 1/2" = 1'-0"



1 First Floor Shear Plan
 Scale: 1/8" = 1'-0"



2 Second Floor Shear Plan
 Scale: 1/8" = 1'-0"

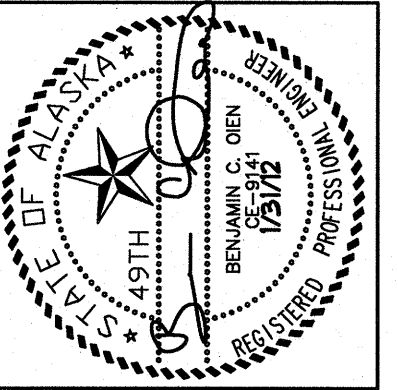
Near Island Senior Housing
 Kodiak, Alaska

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 DRAWN RRJ
 REVIEWED BCO

SHEET TITLE:
 SHEAR PLANS

SHEET NO.
S6.1



Oien Associates, Inc.
 Construction Management Engineering Inspections
 Phone: (907) 694-0507
 Fax: (907) 694-0508
 Email: bo@oienalaska.net
 16372 Hanson Drive
 Eagle River, AK 99571

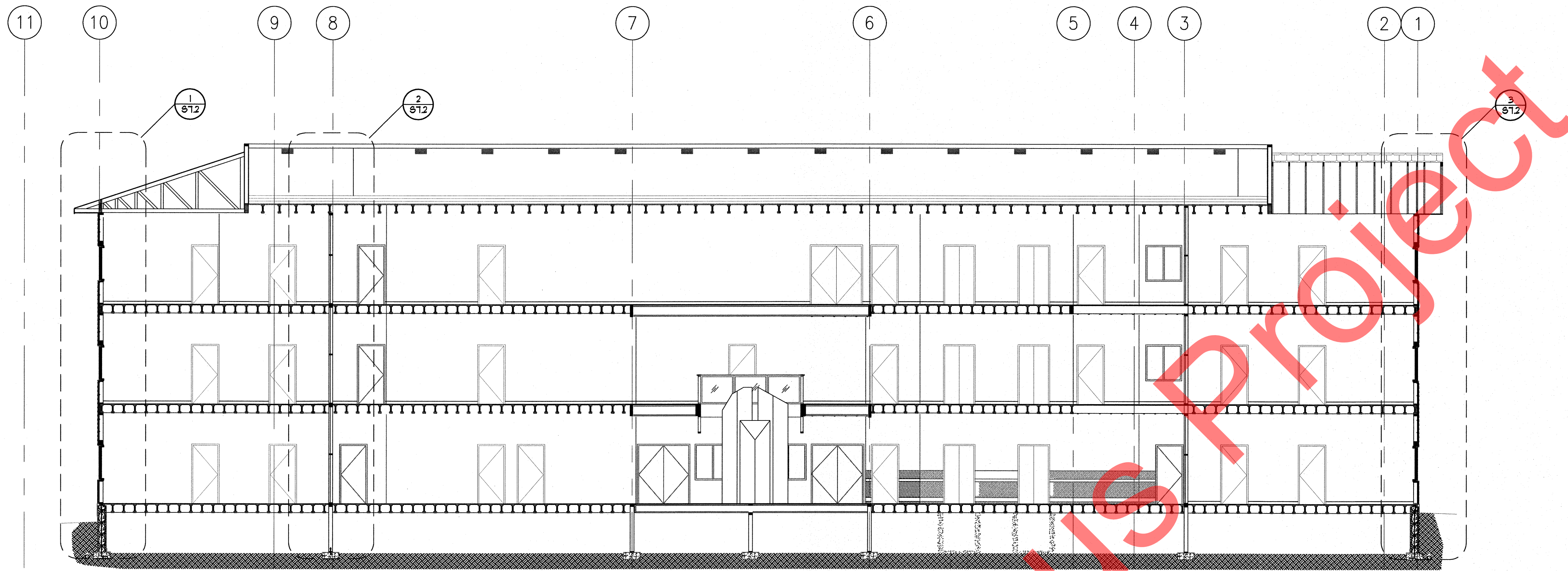
Near Island Senior Housing
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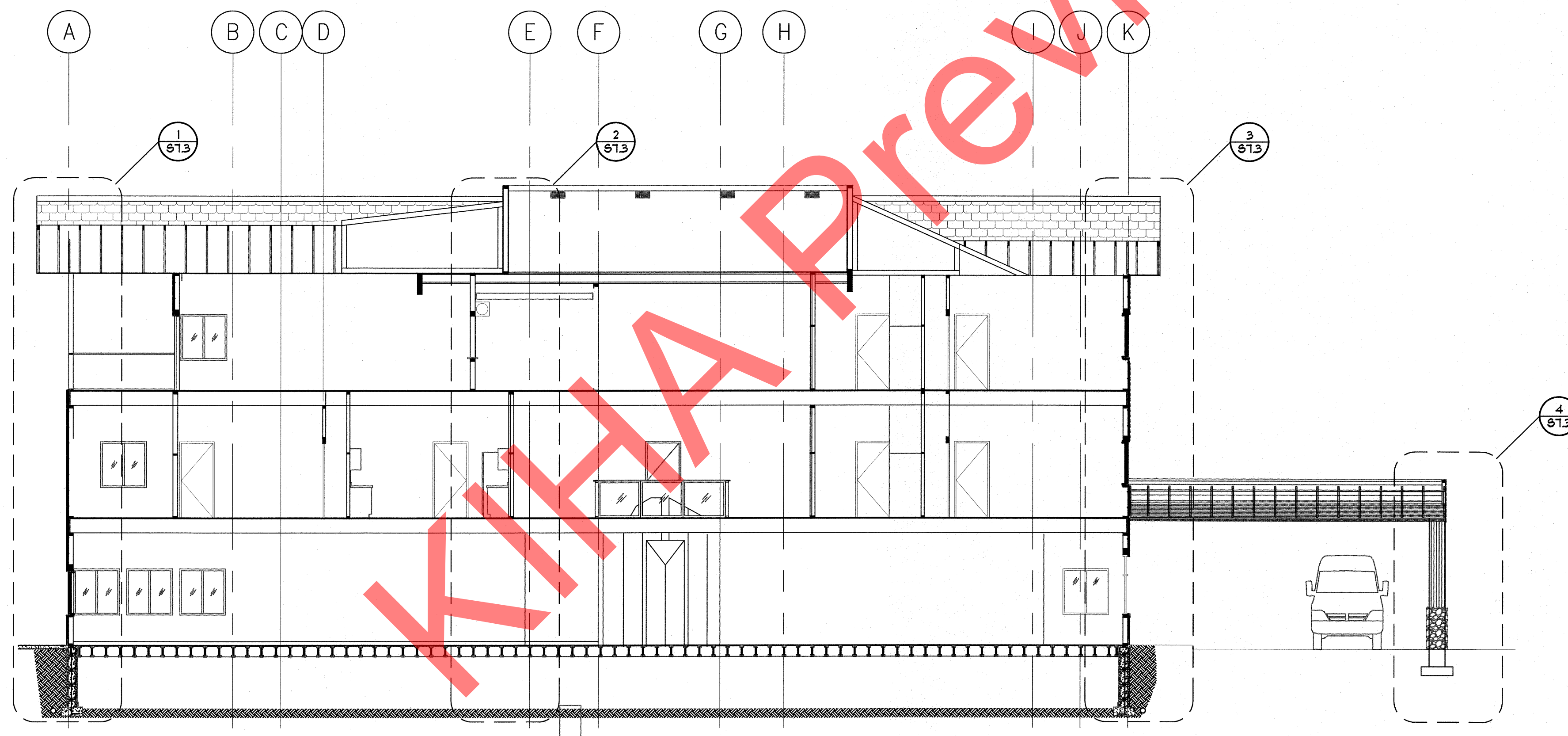
JOB NO.	210606
DATE	3/18/11
DRAWN	RRJ
REVIEWED	BCO

SHEET TITLE:
SECTIONS

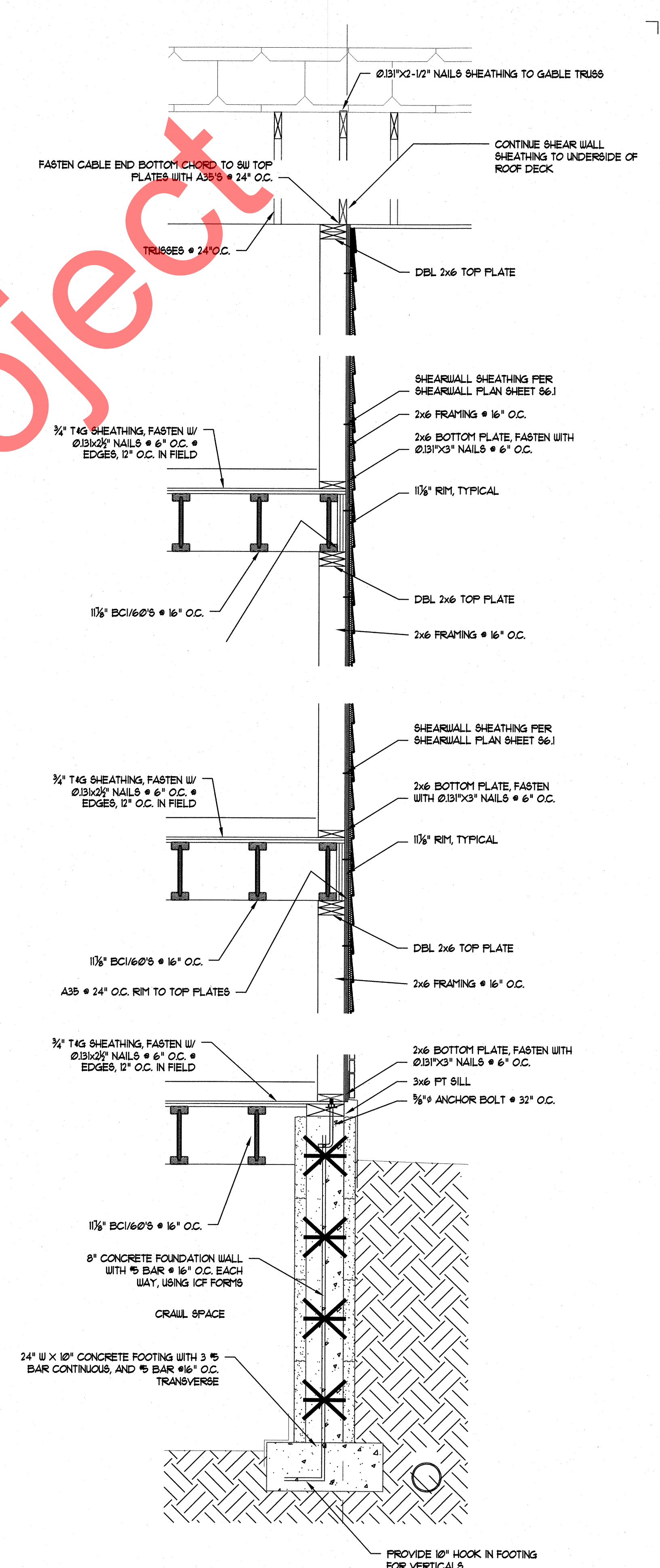
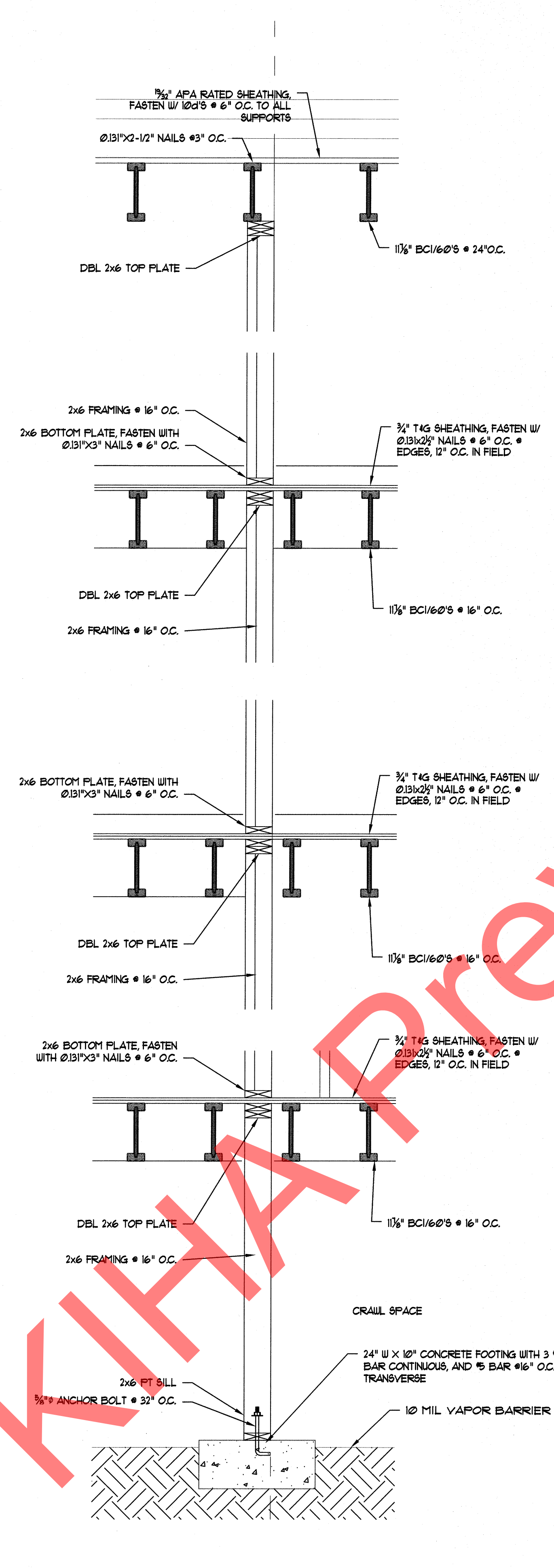
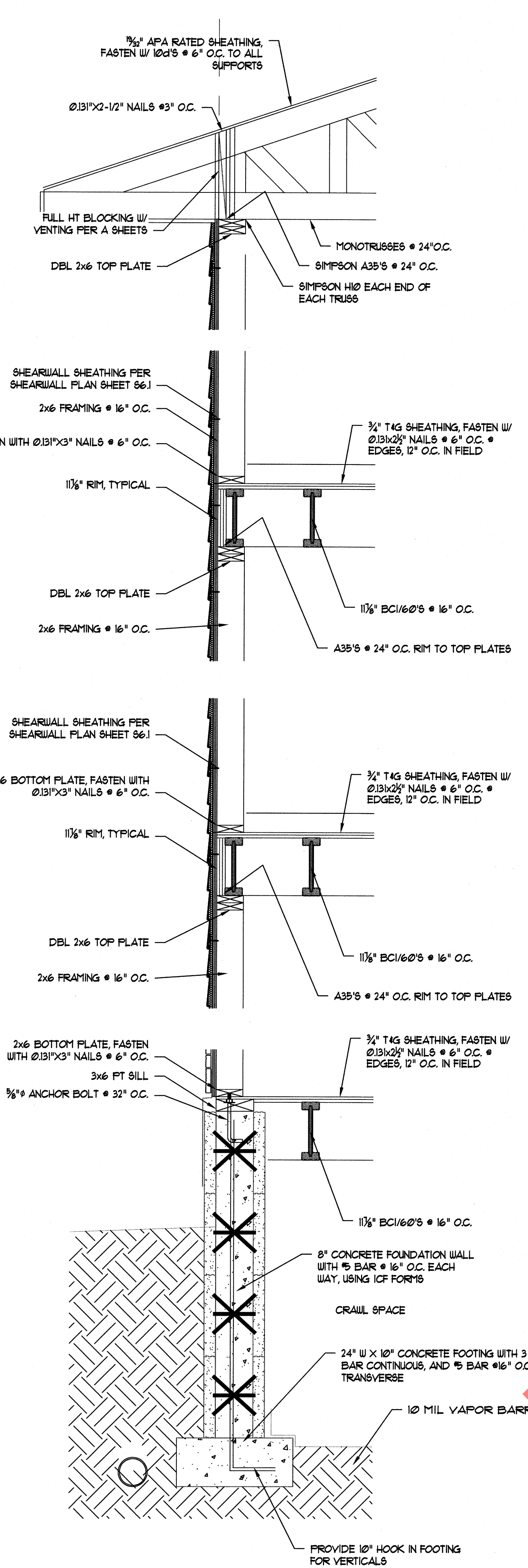
SHEET NO.
S7.1



1 Building Section
 Scale: 1/8" = 1'-0"



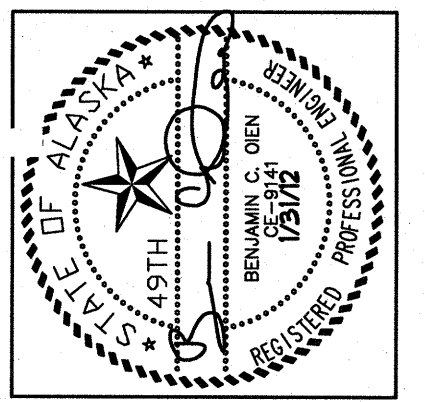
2 Building Section
 Scale: 1/8" = 1'-0"



1 Wall Section
Scale 3/4" = 1'-0"

2 Wall Section
Scale 3/4" = 1'-0"

3 Wall Section
Scale 3/4" = 1'-0"



Oien Associates, Inc.
 Engineering Inspections
 Construction Management
 832 Johnson Drive
 Eagle River, AK 99577
 Phone: (907) 694-0507
 Fax: (907) 694-0508
 Email: bo@oien.com

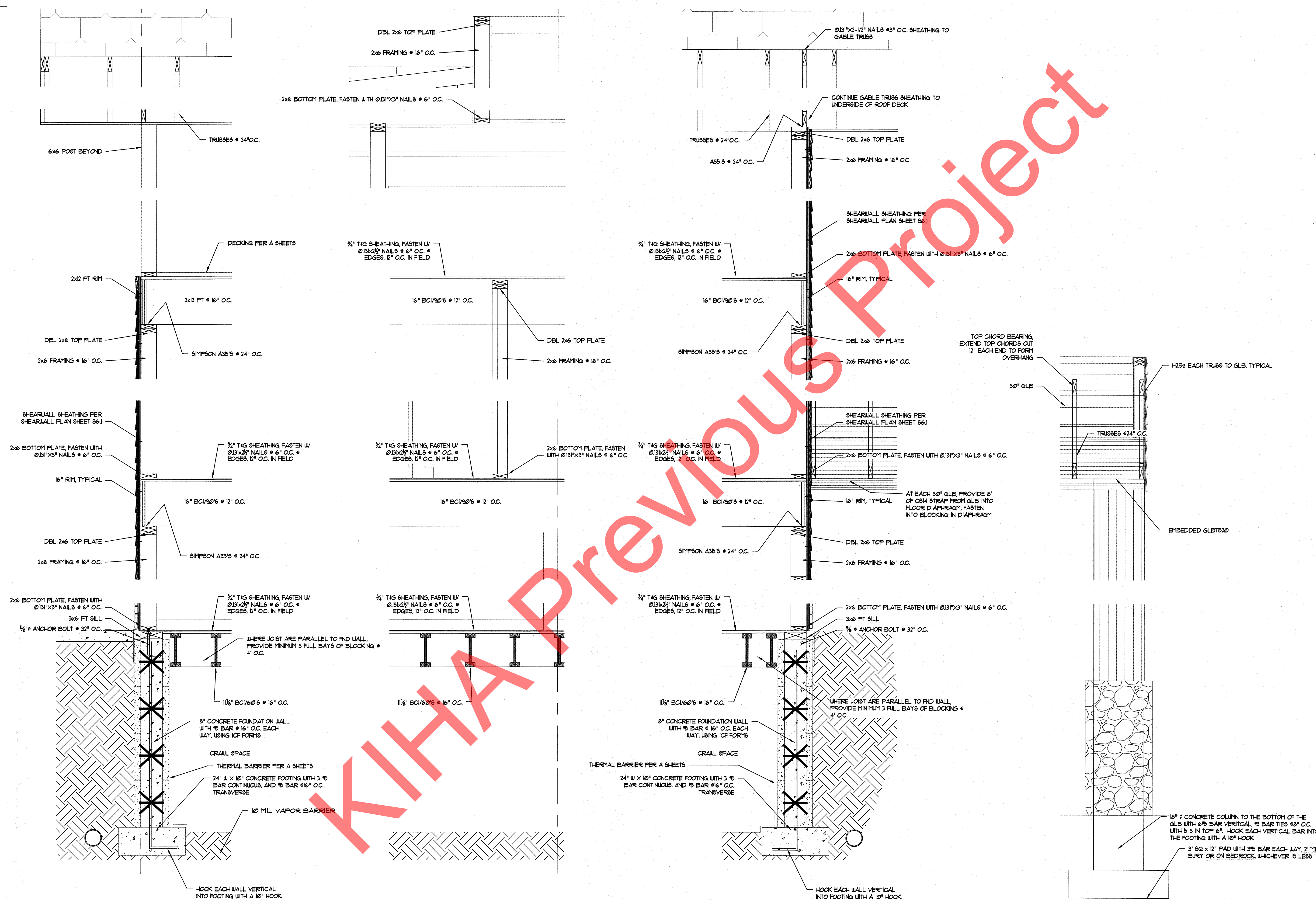
Near Island Senior Housing
 Kodiak, Alaska

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JOB NO. 210686
 DATE 3/18/11
 DRAWN RRC
 REVIEWED BCO

SHEET TITLE:
 WALL SECTIONS

SHEET NO.
S7.2

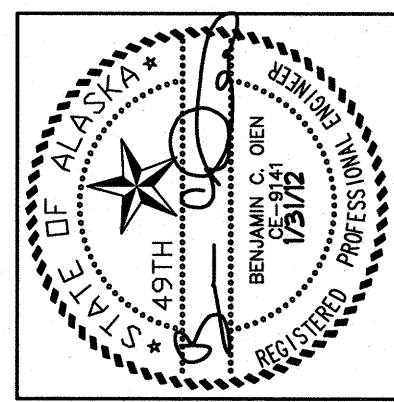


1 Wall Section
Scale 3/4" = 1'-0"

2 Wall Section
Scale 3/4" = 1'-0"

3 Wall Section
Scale 3/4" = 1'-0"

4 Wall Section
Scale 3/4" = 1'-0"



Oien Associates, Inc.
 Engineering Inspections
 Construction Management
 Phone: (907) 634-0507
 Fax: (907) 634-0508
 Email: boien@alaskans.com
 15272 Hanson Drive
 Eagle River, AK 99577

Near Island Senior Housing
 Kodiak, Alaska

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JOB NO. 210606
 DATE 3/18/11
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SHEET TITLE:
 WALL SECTIONS

SHEET NO.
S7.3

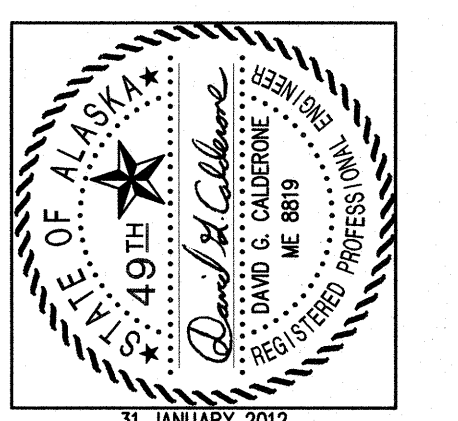
MECHANICAL SYMBOL LEGEND

PIPING SYMBOLS			HVAC SYMBOLS			ABBREVIATIONS		
SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION
	C.I.S.P.	WASTE, CAST IRON SOIL PIPE			NEW DUCTWORK		EX	EXISTING
	V	VENT			ACOUSTICALLY LINED DUCT		EAT	ENTERING AIR TEMPERATURE
	CW	COLD WATER			THERMALLY INSULATED DUCT		LAT	LEAVING AIR TEMPERATURE
	HW	HOT WATER			DUCTWORK UP		EWT	ENTERING WATER (GLYCOL) TEMPERATURE
	HWC	HOT WATER RECIRCULATION			DUCTWORK DOWN		LWT	LEAVING WATER (GLYCOL) TEMPERATURE
	HWR	HEATING WATER RETURN			TURNING VANES		P.G.	PROPYLENE GLYCOL
	HWS	HEATING WATER SUPPLY			AIR EXTRACTOR		AFF	ABOVE FINISHED FLOOR
	FOR	FUEL OIL RETURN		S/A	SUPPLY AIR REG., GRILLE OR DIFFUSER		AFG	ABOVE FINISHED GRADE
	FOS	FUEL OIL SUPPLY		R/A	RETURN/EXHAUST AIR REG. OR GRILLE		BDD	BACK DRAFT DAMPER
	GHR	GLYCOL HEATING RETURN			SUPPLY		T/A	TRANSFER AIR
	GHS	GLYCOL HEATING SUPPLY			RETURN OR EXHAUST		SS	STAINLESS STEEL
	TP	TRAP PRIMER			SUPPLY AIR SLOT WITH FLEX DUCT		VTR	VENT THRU ROOF
	G	LOW PRESSURE NATURAL GAS			RETURN AIR SLOT		OADB	OUTSIDE AIR DRY BULB
	RL	RAIN LEADER			FLEXIBLE DUCT		AAV	AUTOMATIC AIR VENT
	RD	ROOF DRAIN			FLEXIBLE CONNECTION		FTU	FAN TERMINAL UNIT
	ORD	OVERFLOW ROOF DRAIN		VD, BD	VOLUME DAMPER		TAU	TERMINAL AIR UNIT
		DEEP SEAL TRAP		FD	FIRE DAMPER	FIRE PROTECTION SYMBOLS FDC FIRE DEPARTMENT CONNECTION F FIRE WATER PIPING SP SPRINKLER HEAD DRY SPRINKLER HEAD UP SPRINKLER HEAD DN. SPRINKLER HEAD DRY SPRINKLER HEAD SIDEWALL		
		PIPE ELBOW DOWN		FSD	FIRE / SMOKE DAMPER			
		PIPE ELBOW UP		MOD	MOTOR OPERATED DAMPER	DIFFUSER KEY DIFFUSERS, GRILLS AND REGISTERS SYMBOL: TYPE — SIZE 10 x 10 — 1000 CFM		
		UNION		20/12	DUCT SIZE (SIDE SHOWN/OTHER SIDE)			
	GV/SOV	GATE VALVE/SHUT-OFF VALVE		HC	HEATING COIL	MECHANICAL NOTES 1. THESE DRAWINGS ARE DIAGRAMATICAL IN NATURE AND DO NOT SHOW ALL FITTINGS AND/OR ACCESSORIES NECESSARY FOR A COMPLETE, FUNCTIONAL AND COORDINATED INSTALLATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM AND TO COORDINATE HIS WORK WITH OTHER TRADES AND WITH FIELD CONDITIONS. 2. INSTALL ALL EQUIPMENT TO MEET 2006 IBC SEISMIC REQUIREMENTS, SECTION 1613. ALL SEISMIC HANGERS, SUPPORTS, AND VIBRATION ISOLATION EQUIPMENT SHALL BE UL LISTED, SIZED, AND SELECTED BY A PROFESSIONAL ENGINEER SPECIALIZING IN SEISMIC RESTRAINTS. THIS WILL BE SUBMITTED AS A STRUCTURAL DEFERRED SUBMITTAL.		
	EXP	EXPANSION JOINT		S/A	SUPPLY AIR			
		GAS COCK		R/A	RETURN / RELIEF AIR			
		GLOBE VALVE		E/A	EXHAUST AIR			
	MOV	MOTOR OPERATED VALVE 2-WAY		O/A	OUTSIDE AIR			
	MOV	MOTOR OPERATED VALVE 3-WAY		DD	DUCT DETECTOR			
	PRV	PRESSURE REDUCING VALVE			ACCESS PANEL			
	RV	RELIEF VALVE		T'STAT	THERMOSTAT, THERMOSTAT W/INS. BASE			
	CV	CHECK VALVE		SP	STATIC PRESSURE SENSOR			
		BALL VALVE (FULL PORT)		U/X	UNDERCUT DOOR (X = AMOUNT)			
		STRAINER		L/X x X	LOUVERED DOOR (X x X = SIZE)			
		THERMOMETER		S	SWITCH			
		PRESSURE GAGE W/ISOLATION VALVE						
		SOLENOID VALVE						
	BV	BALANCING VALVE						
		SQUARE HEAD COCK						
		FLEX CONNECTION						
	WHA	WATER HAMMER ARRESTER (Y=SIZE)						
		AUTOMATIC FLOW CONTROL						
	CO	CLEAN-OUT						
	WCO	WALL CLEAN-OUT						
	FCO	FLOOR CLEAN-OUT						
	FD	FLOOR DRAIN						
		PIPE ANCHOR						
		PIPE GUIDE						

SYMBOLS DO NOT NECESSARILY APPEAR ON PLANS IN SAME SIZE AND PROPORTION AS SHOWN HERE.
 PLANS DO NOT NECESSARILY USE ALL OF THE SYMBOLS SHOWN HERE.

MECHANICAL SPECIFICATIONS

- ALL PLUMBING PIPING SHALL BE PER THE UNIFORM PLUMBING CODE, MOST CURRENT AND ADOPTED EDITION AND ALL LOCAL AMENDMENTS.
- INSULATE COLD PIPES IN OFFICE AREAS WITH 1" FIBERGLASS INSULATION, WITH VAPOR BARRIER JACKET. (FIBERGLASS 25ASJ/SSL-II).
- INSULATE DOMESTIC HOT WATER PIPES, UP TO 2", WITH 1" FIBERGLASS INSULATION, PIPES 2-1/2" OR LARGER, INSULATE WITH 1-1/2" FIBERGLASS INSULATION. (FIBERGLASS 25 ASJ/SSL-II)
- DOMESTIC HOT AND COLD WATER PIPING SHALL BE TYPE "L" HARD DRAWN COPPER TUBING, WROUGHT SOLDER TYPE FITTINGS, 95/5 TIN-ANTIMONY OR LEAD FREE SILVER BEARING SOLDER. DISTRIBUTION POTABLE PLUMBING PIPING SHALL BE REHAU ENGLE PROCESS PEX "A" RAUPEX UV SHIELDED PIPE. PIPES FOR COLD WATER SHALL BE BLUE UV SHIELDED AND FOR HOT WATER IT SHALL BE RED UV SHIELDED. FITTING SYSTEM SHALL BE REHAU EVERLOC, AND VALVES WHERE USED WITH PEX SHALL BE EITHER PEX COMPRESSION OR EVERLOC BY SWEAT. POTABLE SYSTEM SHALL BE PLUMBED IN THE HOME RUN FASHION, WITH THE FEED TO EACH FIXTURE SUPPLIED BY A CONTINUOUS, UNINTERRUPTED RUN OF PEX FROM THE MANIFOLD TO THE FIXTURE SUPPLY INLET. ALL PEX PIPING ROUTED THROUGH ANY AIR PLENUM SHALL BE PLENUM RATED.
- SEWER PIPE SHALL BE CAST IRON SOIL PIPE WITH TYSEAL NEOPRENE GASKETS, CAST IRON NO-HUB MG, OR ALFA COUPLINGS. STAINLESS STEEL COUPLINGS PERMITTED.
- VENT PIPE SHALL BE CAST IRON SOIL PIPE WITH TYSEAL NEOPRENE GASKETS, NO-HUB FITTINGS, DWV COPPER PIPE AND FITTINGS, OR ABS PLASTIC PIPE AND FITTINGS.
- ALL MECHANICAL WORK SHALL BE PER THE INTERNATIONAL MECHANICAL CODE, MOST CURRENT AND ADOPTED EDITION AND ALL LOCAL AMENDMENTS.
- DUCTWORK SHALL BE FABRICATED SHEET METAL AND INSTALLED IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- ACOUSTICALLY LINE ALL DUCTWORK (BOTH SUPPLY AND RETURN) FOR A MINIMUM OF TWENTY FEET (20') ON EITHER SIDE OF AIR HANDLING UNITS. THIS INCLUDES ALL SHEET METAL PLENUMS. USE MANVILLE "LINACOUSTIC" 1" THICK.
- DIMENSIONS SHOWN FOR DUCTWORK ARE THE INSIDE CLEAR DIMENSIONS. CONTRACTOR SHALL ADD TO THE DUCT DIMENSIONS TO ALLOW FOR ACOUSTIC LINING. CONTRACTOR SHALL ADD TO THE DUCT DIMENSIONS TO ALLOW FOR ACOUSTIC LINING AND THERMAL INSULATION ON EXPOSED DUCTWORK ON THE ROOF.
- PAINT INTERIOR OF ALL DUCTWORK VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS FLAT BLACK.
- FLEX DUCT SHALL ONLY BE USED AT DIFFUSER CONNECTIONS AND SHALL BE THE SAME DIAMETER AS THE DIFFUSER NECK. FLEX DUCT LENGTH SHALL NOT EXCEED 5 FEET, AND SHALL NOT BE INSTALLED WITH MORE THAN ONE (1) 90° FULL RADIUS BEND. PROVIDE FLEX CONNECTIONS AT FAN INTAKE AND EXHAUST CONNECTIONS. (DURO-DYNE).
- BALANCE HVAC SYSTEMS USING NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) RECOMMENDED PROCEDURES.
- ALL PIPING SHALL BE PRESSURE TESTED IN CONFORMANCE WITH ALL CODES AND LOCAL AMENDMENTS.



Ronde
 associates architects
 architecture — planning — design/build

11025 Old Clifton Hwy., Suite 201, Eagle River, AK 99577
 PH: (907) 966-2960 FAX: (907) 966-2962
 aronde@rondeandassociatesinc.com

NEAR ISLAND SENIOR HOUSING
182 ALIMAK DRIVE
KODIAK, ALASKA

NO.	REVISION	DATE

Reviewed for Code Compliance
 City of Kodiak
 Building Department
 Date: 3/30/12
 Reviewed By: *[Signature]*

JOB NO. 1002
 DATE January 31, 2012
 DRAWN AJW
 REVIEWED DGC

SHEET TITLE:
 MECHANICAL LEGEND, NOTES
 SPECIFICATIONS, AND
 SCHEDULES

SHEET NO.
M0.1

MECHANICAL EQUIPMENT SCHEDULE

BOILER, B-1 & B-2

CAST IRON SECTIONAL WATER BOILER; OUTPUT 634 MBH AT 5.5 GPH OF LIGHT OIL, NET I=B=R 551 MBH. PROVIDE BOILERS SKID MOUNTED WITH ALL STANDARD EQUIPMENT PLUS WATER LEVEL CONTROLS, LOW WATER CUT OFF AND OTHER EQUIPMENT AS INDICATED ON THE DRAWINGS. BOILERS SHALL HAVE BURNERS FOR FUEL OIL. 1/3 HP PHASE BURNER MOTOR. CROWN BOILER MODEL 24-05 WITH OIL BURNER.

DOUBLE WALL PRESSURE STACK, PS-1

DOUBLE WALL PRESSURE STACK WITH 1" AIR SPACE, 304 STAINLESS STEEL INNER LINER AND ALUMINIZED STEEL OUTER LINER, SELKIRK METALBESTOS MODEL PS.

AIR SEPARATOR, AS-1

4 FT/SEC MAXIMUM FLOW RATE WITH LESS THAN 0.6 FEET OF HEAD PRESSURE DROP AT 165 GPM. PROVIDE WITH AUTOMATIC AIR VENT, AND DRAIN VALVE WITH HOSE END CONNECTION. SPIROTERM SPIROVENT SENIOR, SIZE 4" OR APPROVED EQUAL.

EXPANSION TANK, ET-1

VERTICAL, PRE-PRESSURIZED DIAPHRAGM TYPE, 80 GALLONS TOTAL VOLUME, 27 GALLONS ACCEPTANCE VOLUME, AMTROL EXTROL MODEL 300-LBC, OR APPROVED EQUAL.

EXPANSION TANK, ET-2

VERTICAL, PRE-PRESSURIZED DIAPHRAGM TYPE, 14.0 GALLONS TOTAL VOLUME, 10.5 MAXIMUM ACCEPTANCE FACTOR, AMTROL MODEL ST-30V-C THERM-X-TROL, OR APPROVED EQUAL.

UNIT HEATER, UH-2

MODINE OIL FIRED UNIT HEATER. 119,000 BTU/HR INPUT (0.85 GPH), 100,000 BTU/HR OUTPUT. 1,890 CFM AT 460 FPM. 1/5 HP. 115/60/1. FAN MOTOR AMPS = 2.1. MODEL POR100.

POWER VENTER, PV-1

FIELD POWER VENTER FOR FUEL OIL FIRED DEVICES. MODEL SWG-5S, RATED FOR 1.55 MAX OIL GPH INPUT/140 PSI. 115V/60/1, 1.3 AMP, 144 WATTS, 3,100 RPM. PROVIDE WITH CK-62 CONTROL KIT.

DAY TANK, DT-1

FUEL OIL DAY TANK SYSTEM, NOMINAL 25 GAL TANK, 2 GPM HIGH LIFT GEAR PUMP, 1/3 HP /120 V/ 1PH, MOTOR OVERLOAD PROTECTION, PUMP PRESSURE RELIEF VALVES, PRIMING TEES, PUMP CONTROLLER, 5 GPM AUXILIARY HAND PUMP, ALARMS AND FACTORY CONTROL PANEL. DAY TANK SHALL BE SUPPLIED WITH A RUPTURE BASIN, AND ALL ADDITIONAL STANDARD EQUIPMENT, SIMPLEX SERIES SST 25 OR EQUAL.

GLYCOL TANK, GT-1

PREABRICATED, AUTOMATED, AND AUTONOMOUS GLYCOL MAKE-UP PACKAGE. SYSTEM SHALL INCLUDE A 48 GALLON STORAGE/MIXING TANK WITH COVER; PUMP SUCTION HOSE WITH INLET STRAINER; PRESSURE PUMP WITH THERMAL CUT OUT; INTEGRAL PRESSURE SWITCH; INTEGRAL CHECK VALVE; CORD AND PLUG; PRECHARGED ACCUMULATOR TANK WITH EPDM DIAPHRAGM; MANUAL DIVERTER VALVE; PRESSURE REGULATION VALVE ADJUSTABLE 5 TO 85 PSIG COMPLETE WITH PRESSURE GAUGE; INTEGRAL REPLACEABLE STRAINER; BUILT IN CHECK VALVE; UNION CONNECTION; 12MM x 36" LONG FLEXIBLE CONNECTION HOSE WITH CHECK VALVE; LOW LEVEL PUMP CUT OUT. POWER SUPPLY 115/60/1 0.9 AMPS. PROVIDE WITH LOW LEVEL ALARM PANEL WITH REMOTE MONITORING DRY CONTACTS. AXIOM SF100-HP HYDRONIC SYSTEM FEEDER.

EXPANSION LOOP, EXL-1

PIPE EXPANSION LOOP WITH MINIMUM PLUS OR MINUS 1.5" EXPANSION TRAVEL; PROVIDE METRAFLEX METRALOOP OR APPROVED EQUAL.

GLYCOL SOLUTION

INHIBITED PROPYLENE GLYCOL-BASED HEAT TRANSFER FLUID. PROVIDE FREEZE PROTECTION TO -34°F WITH A 50% BY VOLUME OF GLYCOL, AND 50% WATER. DOW DOWFROST OR APPROVED EQUAL.

WATER HEATER, WH-1, WH-2

STAINLESS STEEL STORAGE RESERVOIR, HIGH OUTPUT CUPRONICKEL HEAT EXCHANGER WITH FINNED TUBE DESIGN, 2" CFC-FREE FOAM INSULATION, 119 GALLON STORAGE CAPACITY, 637 GALLON FIRST HOUR RATING WITH 180°F BOILER WATER. SUPERSTOR ULTRA COMMERCIAL SERIES, SSU-119C OR APPROVED EQUAL.

ABOVE GROUND FUEL OIL TANK, FOT-1

ABOVE GROUND STEEL TANK WITH INTEGRAL SECONDARY CONTAINMENT. NOMINAL 2,000 GALLON CAPACITY. 13' LONG, 64" DIAMETER. DIKE SYSTEM MOUNTED ON WIDE FLANGE BEAMS. ENTIRE TANK SYSTEM TO BE UL LISTED, EXTERIOR TO BE COATED WITH MARINE GRADE EPOXY, WHITE. TANK SHALL BE COMPLETE WITH ALL OPENINGS FOR FILLING, PRODUCT REMOVAL, MONITORING DRAINS, ACCESS, AND TANK GAGING. TANKS SHALL BEAR THE STEEL TANK INSTITUTE F921 IDENTIFICATION LABEL. PROVIDE SHOP DRAWINGS FOR APPROVAL. ANCHORAGE TANK MODEL AT2MULAG OR APPROVED EQUAL.

LOUVER, LV-1

RUSKIN STATIONARY LOUVER, 650 FPM FACE VELOCITY, DRAINABLE BLADE, EXTRUDED ALUMINUM, MODEL ELF375X. SIZE AS SHOWN ON FLOOR PLANS. PAINT TO MATCH EXTERIOR WALL.

ELEVATOR PIT SUMP PUMP, SP-1 & SP-2

AUTOMATIC SWITCHING TO ONLY PUMP WATER IN ACCORDANCE WITH ASME 17.1 AND ALARMS TO SIGNAL HIGH WATER OR OIL, 1-1/2" DISCHARGE, 1/3HP, 115V, 8.5 FLA, 8 LRA, 60 Hz. OIL FILLED THERMALLY PROTECTED MOTOR. PERMANENTLY LUBRICATED UPPER AND LOWER BALL BEARINGS. 25 FOOR POWER CORD. HIGH HEAD-25' SHUT OFF. 25 GPM FLOW AT 20' OF HEAD. PROVIDE WITH "THE BRICK" SUBMERSIBLE SUMP PUMP PLATFORM. LIBERTY MODEL ELV250 OR APPROVED EQUAL.

MECHANICAL EQUIPMENT SCHEDULE

GREASE INTERCEPTOR, GI-1

LOW PROFILE, 35 GPM FLOW RATE, 70 lb GREASE CAPACITY WITH 4" INLET AND 4" OUTLET, NO HUB CONNECTIONS, SOLID STEEL COVER WITH GASKET, REMOVABLE BAFFLE ASSEMBLY AND DEEP SEAL TRAP WITH CLEANOUT.

FAN SCHEDULE

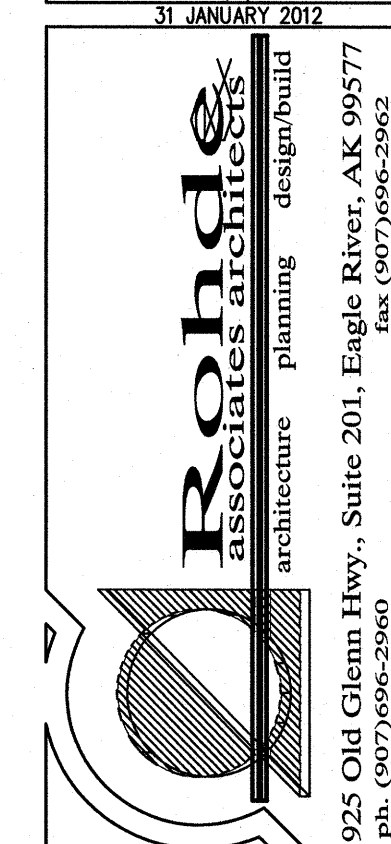
TAG	LOCATION	SCFM	RPM	OUTLET FPM	SP	TYPE	NOM. SIZE	USE	DISC.	MOTOR HP /VOLT/ PH	REMARKS
RTU-1	SUPPLY SIDE ROOF TOP	4,000	1,589	3,883	2.59"	TFC	10"	S/A	HORIZ	5 / / ①	② TWIN CITY FAN & BLOWER OR APPROVED EQUAL
RTU-1	RETURN SIDE ROOF TOP	3,200	701	2,207	0.9"	TFC	12"	R/A	HORIZ	1 / / ①	② TWIN CITY FAN & BLOWER OR APPROVED EQUAL
MUA-1	ROOF TOP	1,600	1,725	N/A	0.399	CENT.	N/A	S/A	VERT	1/2 / / ①	③ GREENHECK, MODEL MSX-109-H12, 208/60/3
SF-1	MECHANICAL ROOM	1,550	552	1,055	0.375"	CENT.	12"	S/A	HORIZ	1/3 / / ①	PENNBARRY ZEPHYR CABINET FAN MODEL ZC12
SF-2	ELEVATOR ROOM	800	741	770	0.5"	CENT.	10"	S/A	HORIZ	1/4 / / ①	PENNBARRY ZEPHYR CABINET FAN MODEL ZC10
KEF-1	ROOF TOP	1,600	1,240	N/A	0.711	CENT	N/A	E/A	VERT	1/2 / / ①	③ GREENHECK MODEL CUBE-141-5
EF-1	UNIT KITCHEN	300	N/A	N/A	0.25"	CENT	N/A	E/A	HORIZ	1/25 / / ①	BROAN ALLURE II MODEL QS2 SERIES, 30" 120V
EF-2	UNIT BATH ROOM	110	1,380	N/A	0.1"	CENT	N/A	E/A	HORIZ	35W / / ①	PANOSONIC WHISPERFIT-LITE; FV-11VFL2
EF-3	TOILET ROOMS	300	1,060	N/A	0.5"	CENT	N/A	E/A	VERT.	1/4 / / ①	PENNBARRY BELT DRIVE DOME, MODEL DX08B

- ① COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS.
- ② THESE TWO FANS ARE PART OF A BKM MODEL EB-4000-1-0-AH-C WITH INTEGRAL AIR TO AIR HEAT EXCHANGERS. UNIT IS TO BE COMPLETE WITH ALL REQUIRED FEATURES TO BE FULLY OPERATIONAL.
- ③ UNITS SELECTED BY KITCHEN CONSULTANT, COORDINATE WITH FINAL KITCHEN EQUIPMENT LIST.

PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	FIXTURE	WASTE	VENT	HW	CW	REMARKS
P1-1	WATER CLOSET, ADA	3"	2"	N/A	1/2"	TANK TYPE, FLOOR MOUNTED, ADA, AMERICAN STANDARD CADET, RIGHT HEIGHT, ELONGATED
P1-2	WATER CLOSET, ADA	3"	2"	N/A	1/2"	FLUSH VALVE, WALL HUNG, ADA, AMERICAN STANDARD AFWAL, RIGHT HEIGHT, ELONGATED
P2-1	URINAL	2"	2"	N/A	1/2"	WALL HUNG, AMERICAN STANDARD, WASHBROOK FLOWISE OR APPROVED EQUAL
P3-1	LAVATORY, ADA	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER TOP DROP-IN, ADA AMERICAN STANDARD COLONY OVAL
P3-2	LAVATORY, ADA	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG, ADA AMERICAN STANDARD LUCERNE
P4-1	KITCHEN SINK	1-1/2"	1-1/2"	1/2"	1/2"	TWO COMPARTMENT, STAINLESS STEEL JUST MODEL ODL-2233-A-GR-L, SEE NOTE 3
P4-2	HAND SINK	1-1/2"	1-1/2"	1/2"	1/2"	ONE COMPARTMENT, 20 GAUGE SS TABCO MODEL # 7-PS-20
P4-3	MOP SINK	2"	1-1/2"	3/4"	3/4"	FLOOR MOUNT ELKAY MODEL FLR-1
P4-4	SCULLERY SINK ②	1-1/2"	1-1/2"	1/2"	1/2"	STAINLESS STEEL, THREE COMPARTMENT TABCO MODEL # 9-23-60-18RL
P4-5	PREP SINK ②	1-1/2"	1-1/2"	1/2"	1/2"	STAINLESS STEEL, ONE COMPARTMENT TABCO MODEL DI-1-10
FS-1	FLOOR SINK ①	2"	2"	N/A	N/A	INDIRECT SANITARY WASTE DRAIN 8"x4"x4", MIFAB MODEL FS1530 SERIES
P6-1	WALK IN SHOWER	1-1/2"	1-1/2"	5/8"	5/8"	WALK IN SHOWER, OWNER SELECTED PROVIDE WITH PRESSURE BALANCED VALVE
P6-2	BATH TUB	1-1/2"	1-1/2"	5/8"	5/8"	STANDARD TUB WITH SHOWER, OWNER SELECTED PROVIDE WITH PRESSURE BALANCED VALVE
P8-1	WASHER BOX	2"	1-1/2"	5/8"	5/8"	GUY GREY MODEL T200
DF-1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	N/A	1/2"	HAWS MODEL 1011 OR APPROVED EQUAL
HB-1	HOSE BIB	N/A	N/A	N/A	1/2"	INTERIOR WITH VACUUM BREAKER WOODFORD MODEL 24 SERIES
HB-2	HOSE BIB	N/A	N/A	N/A	1/2"	EXTERIOR, NON FREEZE WITH VACUUM BREAKER WOODFORD MODEL 17 SERIES
FD-1	FLOOR DRAIN	2"	2"	N/A	N/A	CAST IRON BODY, VANDAL PROOF, WITH TRAP PRIMER CONN., JOSAM 30000-C SERIES
RD-1	ROOF DRAIN	3"	N/A	N/A	N/A	CAST IRON WITH DOME, MIFAB MODEL R1100 SERIES
ORD-1	OVERFLOW ROOF DRAIN	3"	N/A	N/A	N/A	SAME AS RD-1 EXCEPT WITH 2 INCH EXTERNAL WATER DAM
TP-1	TRAP PRIMER	N/A	N/A	N/A	1/2"	CORROSION RESISTANT BRASS VALVE, PPP PRIMERITE
WHA-1	WATER HAMMER ARRESTOR	N/A	N/A	N/A	N/A	③ PISTON OPERATED WATER HAMMER ARRESTOR MIFAB MWHS-A

- NOTE(S):
- ① PROVIDE WITH 1/2 GRATE AND SEDIMENT BUCKET
 - ② PROVIDE WITH INDIRECT WASTE CONNECTION.
 - ③ INSTALL AT UNIT MANIFOLDS AND AS SHOWN.



NEAR ISLAND SENIOR HOUSING
182 ALIMAK DRIVE
KODIAK, ALASKA

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SHEET TITLE:
MECHANICAL SCHEDULES

SHEET NO.
M0.2

HEATING UNIT SCHEDULE											
TAG	TYPE	FLUID	EWT	LWT	GPM	MBH	CFM	RPM	MOTOR HP /VOLT/ PH	REMARKS	
BB-1	ENCLOSURE W/FIN TUBE	50% GLYCOL	180	160	AS SHOWN	0.66/LF	-	-	-	①	STERLING CLASSIC WITH 3/4" COPPER PIPE, MODEL CLCU75
BB-2	ENCLOSURE W/FIN TUBE	50% GLYCOL	180	160	AS SHOWN	1.04/LF	-	-	-	①	STERLING JVSA-S ENCLOSURE WITH C3/4-434 FIN, OR APPROVED EQUAL
KSH-1	CAB. UNIT HEATER	50% GLYCOL	180	160	1.0	3.985	36	-	0.034	①	KICK SPACE HEATER, BEACON MORRIS MODEL 42, OR APPROVED EQUIVALENT
KSH-2	CAB. UNIT HEATER	50% GLYCOL	180	160	1.0	7.730	70	-	0.034	①	KICK SPACE HEATER, BEACON MORRIS MODEL 84, OR APPROVED EQUIVALENT
CUH-1	CAB. UNIT HEATER	50% GLYCOL	180	160	1.7	16.4	230	1,050	1/15	①	RECESSED, WALL MOUNTED, STERLING RW-1120-02, HIGH SETTING
CUH-2	CAB. UNIT HEATER	50% GLYCOL	180	160	1.7	16.4	230	1,050	1/15	①	CEILING MOUNTED, STERLING RC-1200-02, HIGH SETTING
UH-1	UNIT HEATER	50% GLYCOL	180	160	1.8	18.0	395	1,550	9W	①	HORIZONTAL UNIT HEATER, STERLING MODEL HS-18

① COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS.

HEATING COIL SCHEDULE													
TAG	LOCATION	SCFM	AIR IN	TEMP. OUT	VEL. FPM	MBH	P.D. AIR	H ₂ O	FLUID	ET	LT	GPM	REMARKS
HC-1	ABOVE 3RD FLR CEILING	4,000	10	75	480	284	0.15"	5.5'	50/50 GLYCOL	180	150	21.4	COLMAC MODEL BWL-30x40-2R-8F-WR OR APPROVED EQUAL
HC-2	ABOVE 3RD FLR CEILING	1,900	10	65	475	119	0.14"	1.6'	50/50 GLYCOL	180	150	8.7	COLMAC MODEL BWL-24X24-2R-6F-WR OR APPROVED EQUAL

* INDICATES MAXIMUM

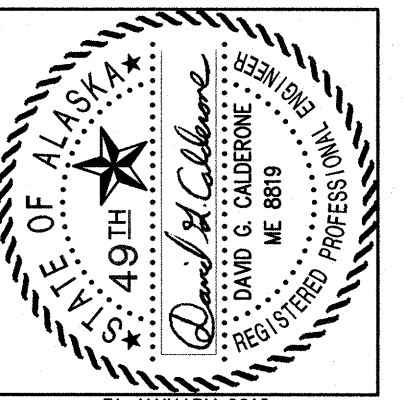
PUMP SCHEDULE									
TAG	LOCATION	SERVICE	FLUID	FLUID TEMP.	GPM	HEAD FT.	MOTOR HP /VOLT/ PH	REMARKS	
PMP-1	MECH. ROOM	BUILDING HEAT	GLYCOL WATER	180	58	33	1.5 / ①	GRUNDFOS UPS 50-160, 3 PHASE, SPEED 2 OR APPROVED EQUAL	
PMP-2	MECH. ROOM	BUILDING HEAT	GLYCOL WATER	180	58	33	1.5 / ①	GRUNDFOS UPS 50-160, 3 PHASE, SPEED 2 OR APPROVED EQUAL	
PMP-3	MECH. ROOM	BUILDING HEAT	GLYCOL WATER	180	52	33	1.5 / ①	GRUNDFOS UPS 50-160, 3 PHASE, SPEED 2 OR APPROVED EQUAL	
PMP-4	MECH. ROOM	BUILDING HEAT	GLYCOL WATER	180	52	33	1.5 / ①	GRUNDFOS UPS 50-160, 3 PHASE, SPEED 2 OR APPROVED EQUAL	
PMP-5	MECH. ROOM	BUILDING HEAT/VENT	GLYCOL WATER	180	55	33	1.5 / ①	GRUNDFOS UPS 50-160, 3 PHASE, SPEED 2 OR APPROVED EQUAL	
PMP-6	MECH. ROOM	BUILDING HEAT/VENT	GLYCOL WATER	180	55	33	1.5 / ①	GRUNDFOS UPS 50-160, 3 PHASE, SPEED 2 OR APPROVED EQUAL	
PMP-7	MECH. ROOM	HW CIRC	DOMESTIC H.W.	105	6.0	9	1/25/ ①	GRUNDFOS UP15-18 B7, 1 PHASE, BRONZE OR APPROVED EQUAL	
PMP-8	MECH. ROOM	BOILER CIRC	GLYCOL WATER	180	83	13	1/5 / ①	GRUNDFOS UPS 40-80/4, 3 PHASE, SPEED 3 OR APPROVED EQUAL	
PMP-9	MECH. ROOM	BOILER CIRC	GLYCOL WATER	180	83	13	1/5 / ①	GRUNDFOS UPS 40-80/4, 3 PHASE, SPEED 3 OR APPROVED EQUAL	

① COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS.

AIR OUTLET SCHEDULE					
TAG	UNIT SIZE	SCFM	FINISH	USE	REMARKS
Ⓐ	AS NOTED	AS NOTED	WHITE	S/A	SQUARE CEILING DIFFUSER, ALUMINUM CONST., WITH BALANCING DAMPER, 24X24 FACE SIZE, TITUS MODEL TMS-AA
Ⓑ	AS NOTED	AS NOTED	WHITE	S/A	SQUARE CEILING DIFFUSER, ALUMINUM CONST., WITH BALANCING DAMPER, 12X12 FACE SIZE, TITUS MODEL TMS-AA
Ⓒ	AS NOTED	AS NOTED	WHITE	R/A E/A	RECTANGULAR CEILING RETURN GRILL, 1/2 x 1/2 x 1/2 ALUMINUM GRID & BALANCING DAMPER, TITUS EGCRATE.
Ⓓ	2' x 24"	AS NOTED	WHITE	R/A E/A	LINEAR BAR DIFFUSER, 0° DEFLECTION, 1/8" BARS, 1/4" SPACING WITH BALANCING DAMPER, TITUS CT-480 OR EQUAL

ROOF TOP EXHAUST / INTAKE HOOD SCHEDULE								
TAG	EXACT THROAT AREA (Ft²)	THROAT SIZE	EXHAUST HOOD		INTAKE HOOD		REMARKS	
			SIZE	MAX VEL.	MAX S.P.	SIZE		MAX VEL.
OAH-1	1.0	12"x12"	-	-	24"x24"	800	.084	PENN AIRETTE "AEG"
RAO-1	1.0	17.5"x17.5"	22"x22"	800	.084	-	-	PENN AIRETTE "AEG"

NOTE: MAX VEL. REFERS TO THROAT VELOCITY. VELOCITY ACROSS THE HORIZONTAL PLANE WILL NOT EXCEED 600 FPM FOR INTAKE HOOD.



31 JANUARY 2012

Ronde
associates architects

architecture planning design/build

11025 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
Ph: (907) 662-2040
arch@rondedesign.com

NEAR ISLAND SENIOR HOUSING
182 ALIMAK DRIVE
KODIAK, ALASKA

NO.	REVISION	DATE

JOB NO. 1002
DATE January 31, 2012
DRAWN AJW
REVIEWED DGC

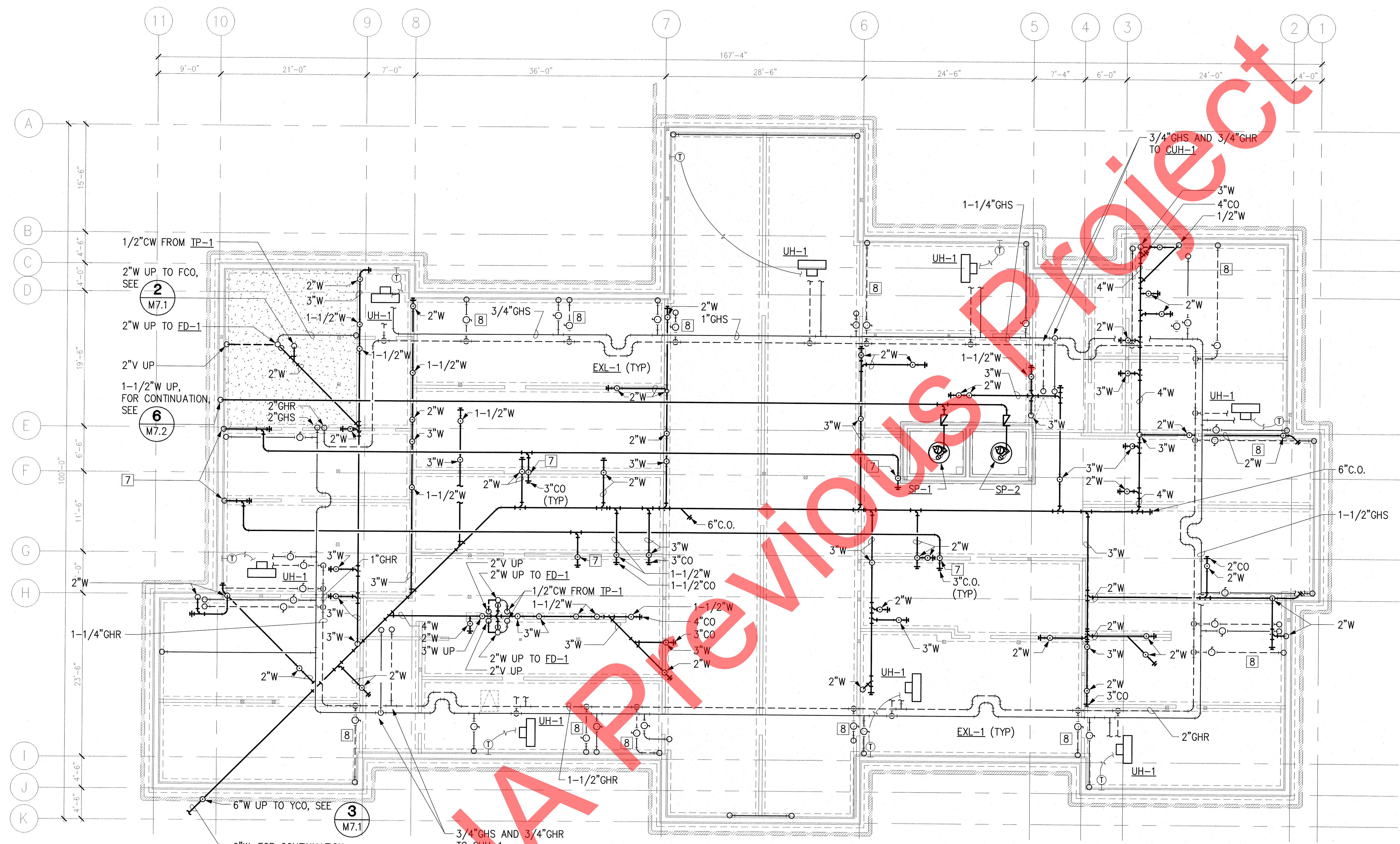
SHEET TITLE:
MECHANICAL SCHEDULES

SHEET NO.
M0.3



Rohde
 associates architects
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 996-2962 fax (907) 996-2962
 arohde@rohdeandassociatesinc.com

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NOTES:

1. SEE SHEET M0.2, PLUMBING FIXTURE CONNECTION SCHEDULE, FOR RUNOUT PIPE SIZES.
2. SEE SHEETS M2.0 THROUGH M2.3 FOR ADDITIONAL PIPE SIZING INFORMATION.
3. PROVIDE FULL SIZE WALL CLEANOUTS UNDER SINKS AND LAVATORIES.
4. PIPING OFFSET FOR CLARITY. ROUTE PIPE TO BE CONCEALED WITHIN CONSTRUCTION.
5. KITCHEN SINK TAP, P4-1, TO INCLUDE FITTING FOR DISHWASHER COLD WATER CONNECTION.
6. SEE MECHANICAL SCHEMATICS, SHEET M5.2, DETAILS 1 & 2 FOR PEX PIPING LAYOUT.
7. 3"RL UP, FOR CONTINUATION, SEE **1** M2.1
8. PROVIDE ZONE VALVE ON BASEBOARD GHR PIPE, WITH ISOLATION BALL VALVE ON EACH SIDE OF ZONE VALVE.
9. ON ALL GHS AND GHR PIPING PROVIDE PIPE GUIDES AND ANCHORS AS REQUIRED BY THE EXPANSION LOOP MANUFACTURER.
10. CLEANOUTS SHALL BE THE SIZE OF THE WASTE LINE IT IS ON.
11. PROVIDE FIRE STOPPING AT ALL FLOOR AND WALL PENETRATIONS. FIRESTOPPING SHALL MATCH RATING OF RATED WALL OR FLOOR/CEILING ASSEMBLY.
12. ROUTE HYDRONIC AND PLUMBING PIPING TO CLEAR ACCESS HATCH PASSAGEWAYS.
13. ALL GHS AND GHR RUNOUT PINING TO TERMINAL HEATING SHALL BE 3/4" UNLESS OTHERWISE NOTED.

1 UNDER FLOOR PLUMBING AND PIPING PLAN
 SCALE: 1/8" = 1'-0"

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SHEET TITLE:
 UNDER FLOOR
 PLUMBING AND
 PIPING PLAN

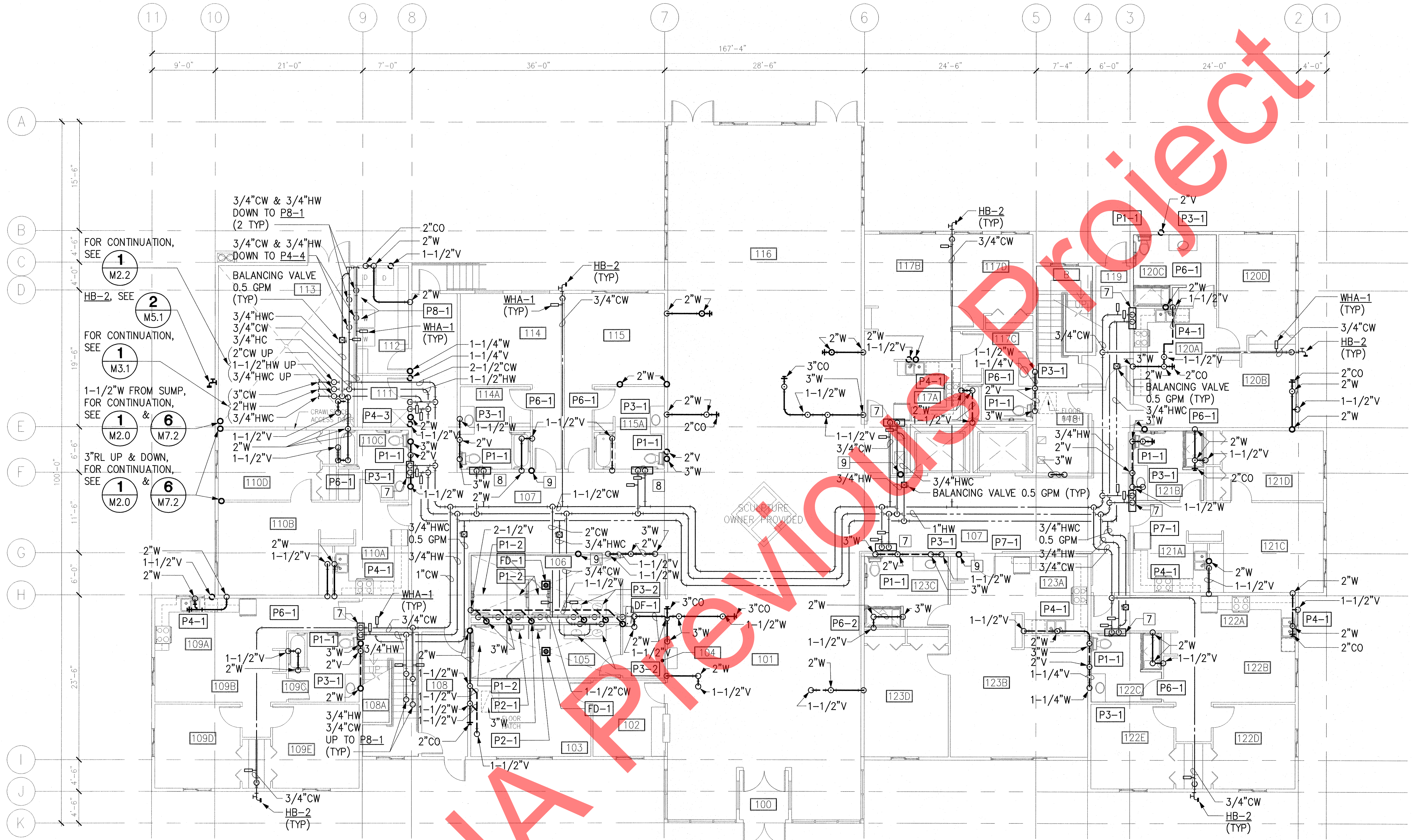
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Rond
 associates architects
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 Ph: (907) 944-2562
 archdc@rondassociatesinc.com

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3. PROVIDE FULL SIZE WALL CLEANOUTS UNDER SINKS AND LAVATORIES.
4. PIPING OFFSET FOR CLARITY. ROUTE PIPE TO BE CONCEALED WITHIN CONSTRUCTION.
5. KITCHEN SINK TAP, P4-1, TO INCLUDE FITTING FOR DISHWASHER COLD WATER CONNECTION.
6. SEE MECHANICAL SCHEMATICS, SHEET MH5.2, DETAILS 1 & 2 FOR PEX PIPING LAYOUT.
7. PLUMBING MANIFOLD, SEE **2** (M5.2)
8. PLUMBING MANIFOLD, SEE **1** (M5.2)
9. 3"RL UP/DOWN, FOR CONTINUATION, SEE **1** (M2.0) & **1** (M2.2)
10. PROVIDE FIRE STOPPING AT ALL FLOOR AND WALL PENETRATIONS. FIRESTOPPING SHALL MATCH RATING OF RATED WALL OR FLOOR/CEILING ASSEMBLY

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

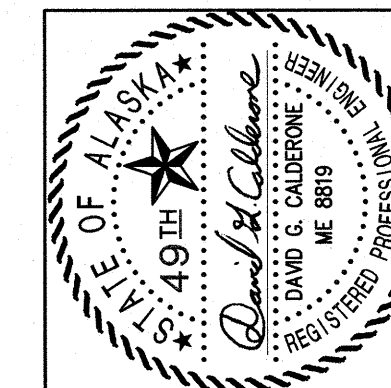
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SHEET TITLE:
 FIRST FLOOR
 PLUMBING PLAN

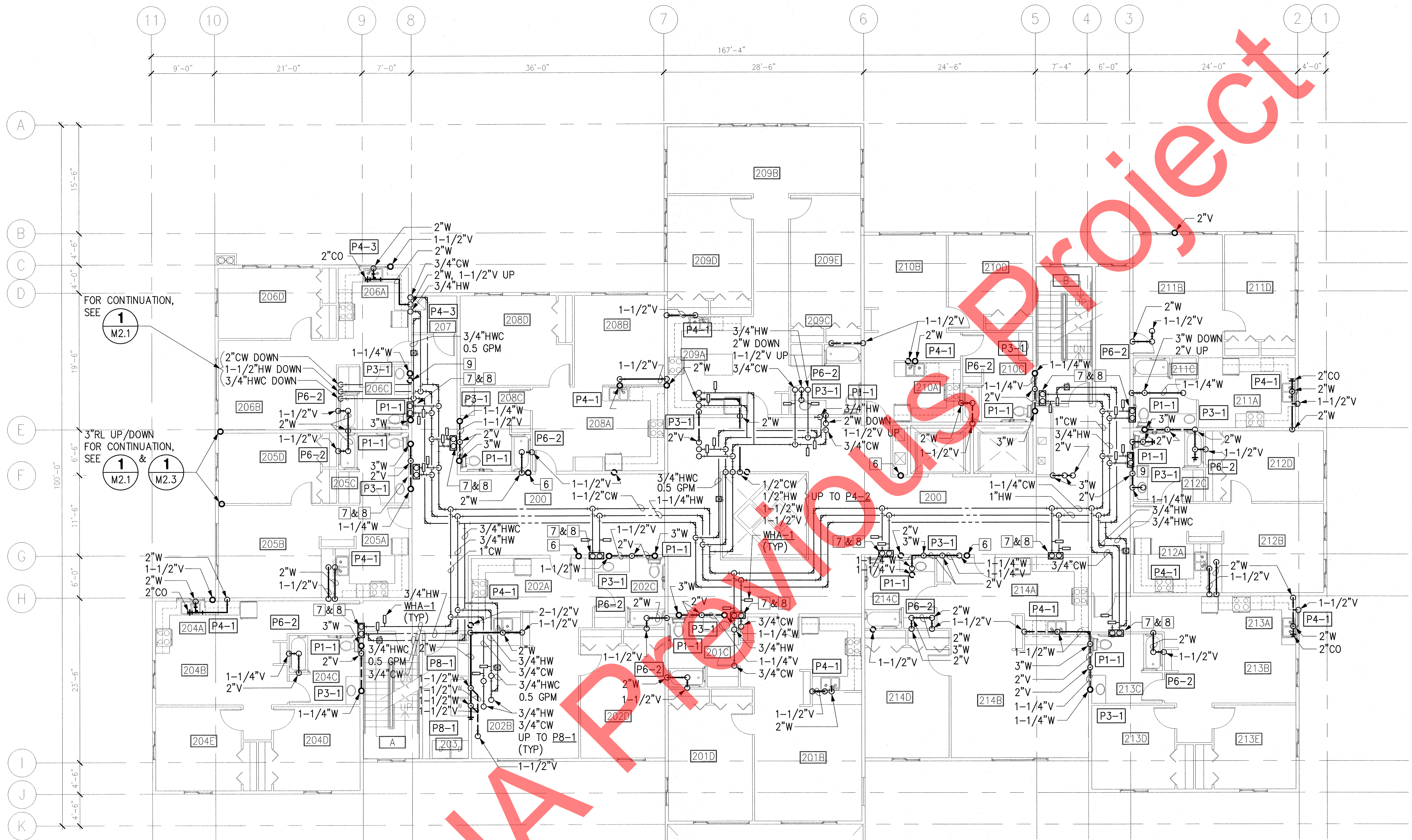
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Rohde & Associates Architects
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 Tel: (907) 566-2062 Fax: (907) 566-2062
 rohde@rohdeandassociatesinc.com

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NOTES:

1. SEE SHEET M0.2, PLUMBING FIXTURE CONNECTION SCHEDULE, FOR RUNOUT PIPE SIZES
2. SEE SHEETS M2.0 THROUGH M2.3 FOR ADDITIONAL PIPE SIZING INFORMATION.
3. PROVIDE FULL SIZE WALL CLEANOUTS UNDER SINKS AND LAVATORIES.
4. PIPING OFFSET FOR CLARITY. ROUTE PIPE TO BE CONCEALED WITHIN CONSTRUCTION.
5. KITCHEN SINK TAP, P4-1, TO INCLUDE FITTING FOR DISHWASHER COLD WATER CONNECTION.
6. 3"RL UP/DOWN, FOR CONTINUATION, SEE M2.1 & M2.3
7. PLUMBING MANIFOLD, SEE M5.2
8. FOR MANIFOLD CONNECTION BELOW, SEE M2.1
9. 2"V FOR ADJACENT P1-1 AND P3-1.
10. PROVIDE WASTE AND WATER SUPPLY CONNECTIONS FOR EACH DISHWASHER.

11. PROVIDE FIRE STOPPING AT ALL FLOOR AND WALL PENETRATIONS. FIRESTOPPING SHALL MATCH RATING OF RATED WALL OR FLOOR/CEILING ASSEMBLY

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

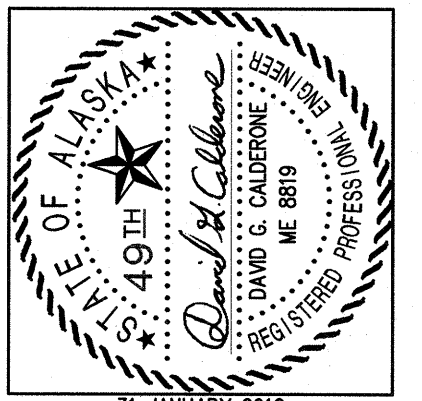
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 SECOND FLOOR PLUMBING PLAN

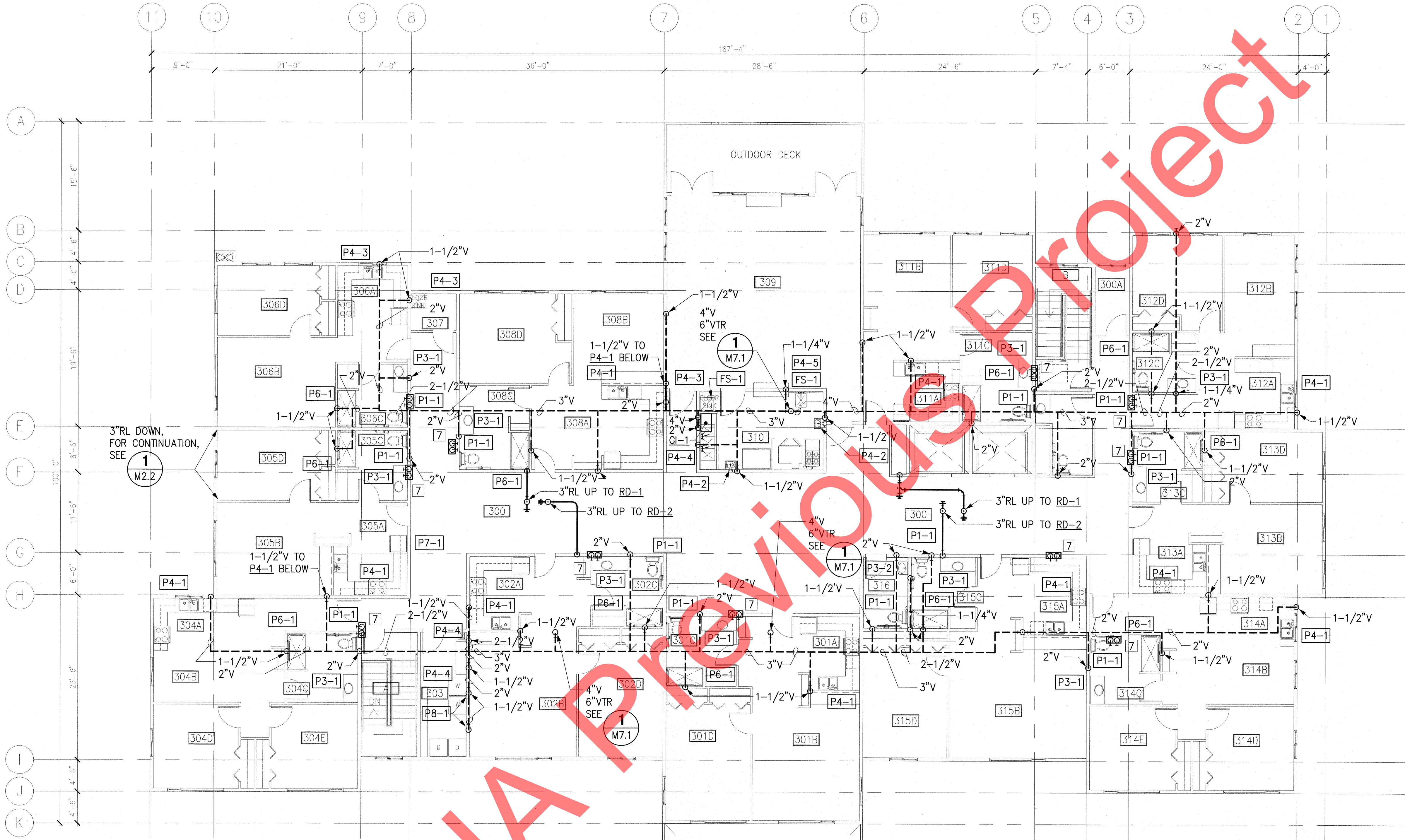
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Rohde
 associates architects
 architecture planning design/build
 1925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 666-2960 fax (907) 666-2962
 rohde@rohdeandassociatesinc.com

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6. SEE MECHANICAL SCHEMATICS, SHEET MH5.2, DETAILS 1 & 2 FOR PEX PIPING LAYOUT.
7. PLUMBING MANIFOLD, SEE **2** M5.2
8. ROUTE FLOW FROM P4-4 THROUGH GREASE INTERCEPTOR, GI-1. PIPE PER MANUFACTURERS INSTRUCTIONS.
9. PROVIDE WASTE AND WATER SUPPLY CONNECTIONS FOR EACH DISHWASHER.
10. PROVIDE FIRE STOPPING AT ALL FLOOR AND WALL PENETRATIONS. FIRESTOPPING SHALL MATCH RATING OF RATED WALL OR FLOOR/CEILING ASSEMBLY

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

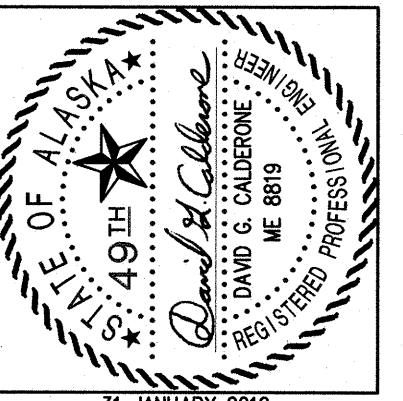
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 PLUMBING PLAN

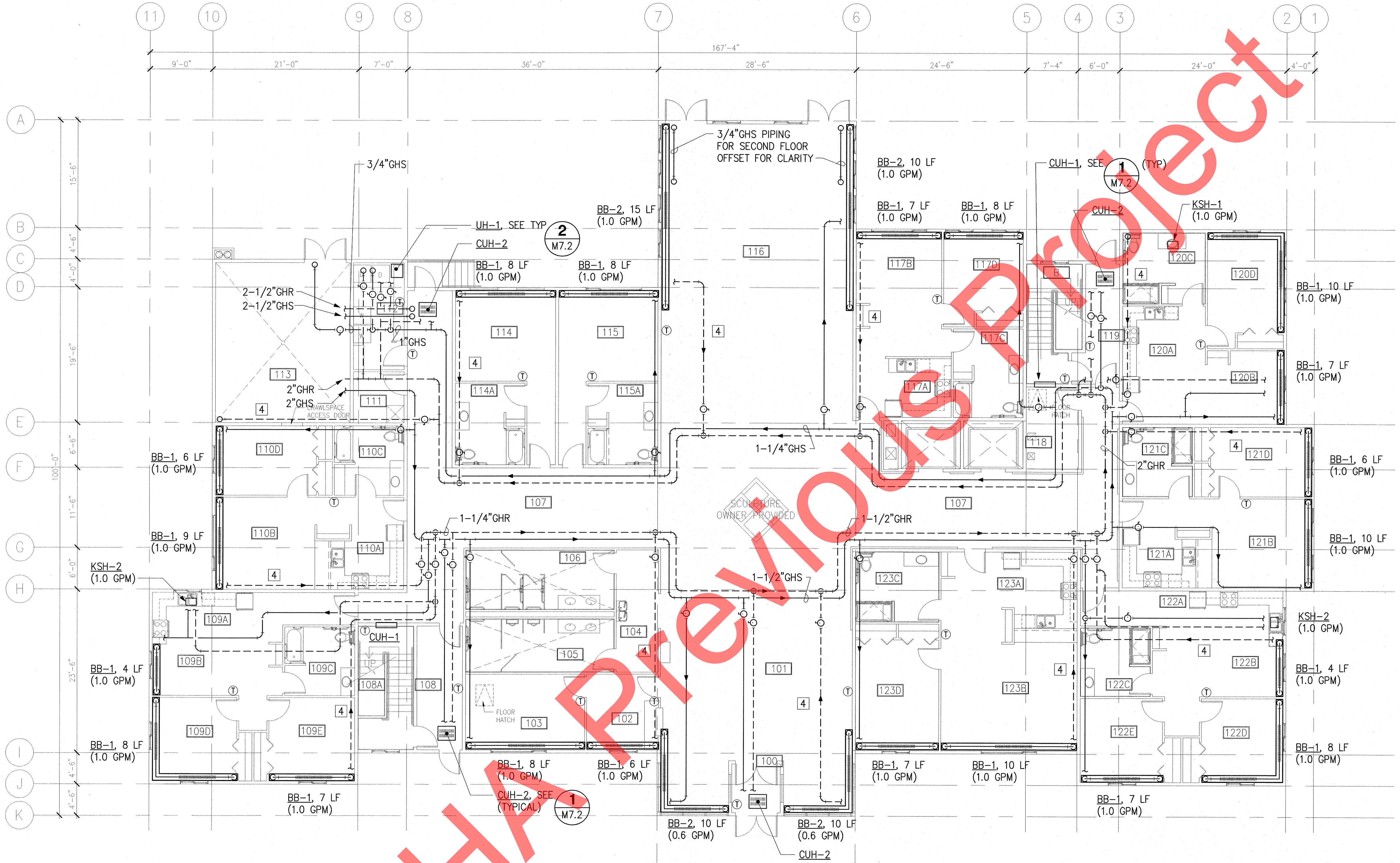
SHEET NO.
M2.3

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NEAR ISLAND SENIOR HOUSING
 182 ALIMAK DRIVE
 KODIAK, ALASKA



- NOTES:
1. PIPING AND FITTINGS MAY BE OFFSET FOR CLARITY. LOCATE ISOLATION VALVES IN CORRIDOR.
 2. ALL RUNOUT PIPING IS 3/4" UNLESS OTHERWISE NOTED. RUNOUT PIPING IS ABOVE FIRST FLOOR CEILING AND SERVES THE SECOND FLOOR BASEBOARD. MAINS ARE ABOVE FIRST FLOOR CEILING.
 3. RUNOUTS SERVING CHU'S AND UH'S ARE SERVED FROM ABOVE CEILING PIPING ON FIRST FLOOR.
 4. PROVIDE TACO ZONE SENTRY ZONE VALVE ON BASEBOARD GHR PIPE, WITH ISOLATION BALL VALVE ON EACH SIDE OF ZONE VALVE.
 5. IN UNITS WITH KSH-1 OR KSH-2, ENSURE GHR PIPE CONNECTS TO THE GHR MAIN AFTER THE ZONE VALVE, SO THAT THERE IS FLOW THROUGH THE UNITS WHETHER THE ZONE VALVE IS OPEN OR CLOSED.
 6. PROVIDE FIRE STOPPING AT ALL FLOOR AND WALL PENETRATIONS. FIRESTOPPING SHALL MATCH RATING OF RATED WALL OR FLOOR/CEILING ASSEMBLY

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

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JOB NO. 1002
 DATE January 31, 2012
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SHEET TITLE:
 FIRST FLOOR
 HYDRONIC PLAN

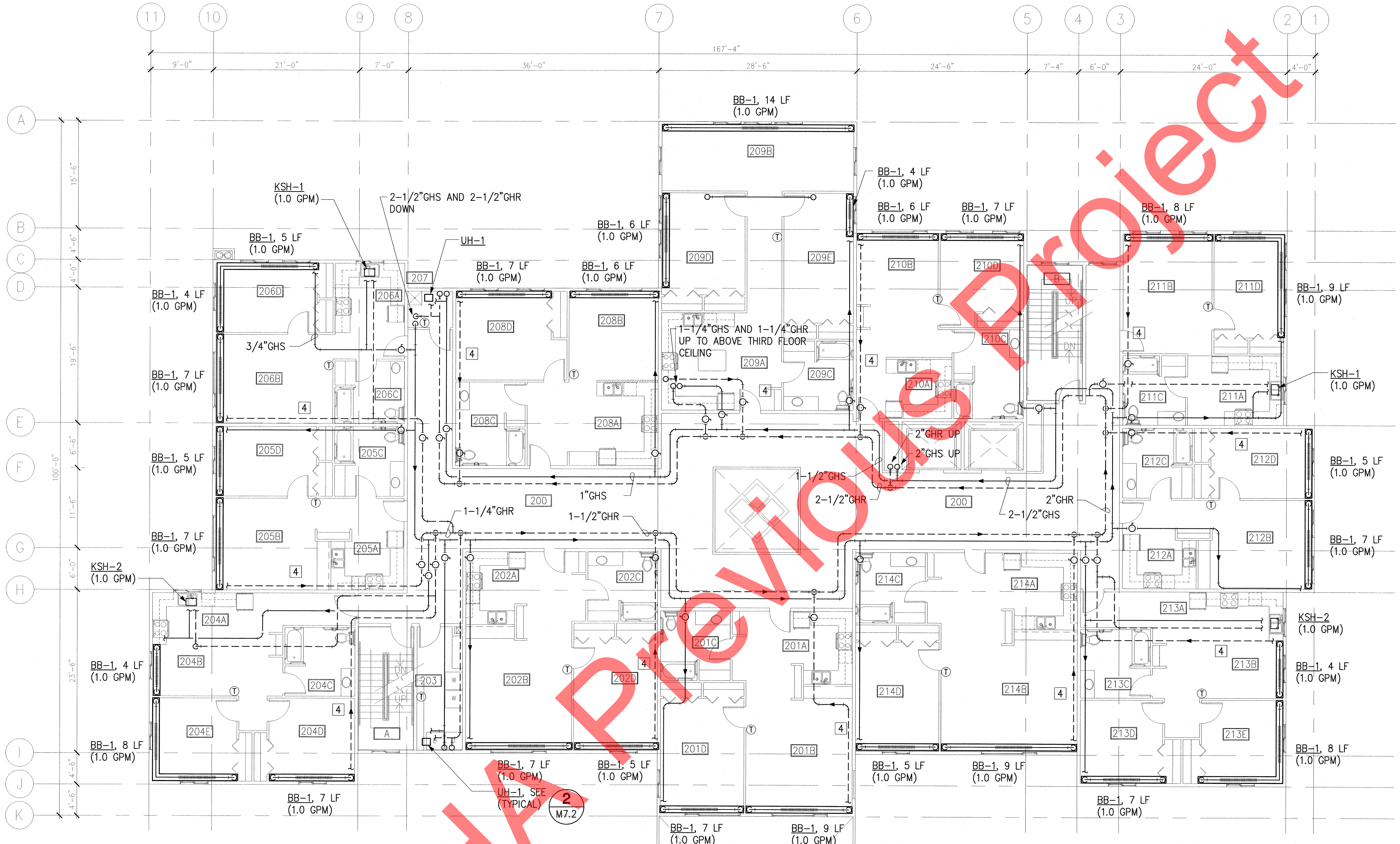
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M2.4

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- NOTES:
1. PIPING AND FITTINGS MAY BE OFFSET FOR CLARITY. LOCATE ISOLATION VALVES IN CORRIDOR.
 2. ALL RUNOUT PIPING IS 3/4" UNLESS OTHERWISE NOTED. RUNOUT PIPING IS ABOVE SECOND FLOOR CEILING AND SERVES THIRD FLOOR BASEBOARD. MAINS ARE ABOVE SECOND FLOOR CEILING.
 3. RUNOUTS SERVING CHU'S AND UH'S ARE SERVED FROM ABOVE CEILING PIPING ON SECOND FLOOR.
 4. PROVIDE TACO ZONE SENTRY ZONE VALVE ON BASEBOARD GHR PIPE, WITH ISOLATION BALL VALVE ON EACH SIDE OF ZONE VALVE.
 5. IN UNITS WITH KSH-1 OR KSH-2, ENSURE GHR PIPE CONNECTS TO THE GHR MAIN AFTER THE ZONE VALVE, SO THAT THERE IS FLOW THROUGH THE UNITS WHETHER THE ZONE VALVE IS OPEN OR CLOSED.
 6. PROVIDE FIRE STOPPING AT ALL FLOOR AND WALL PENETRATIONS. FIRESTOPPING SHALL MATCH RATING OF RATED WALL OR FLOOR/CEILING ASSEMBLY.

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

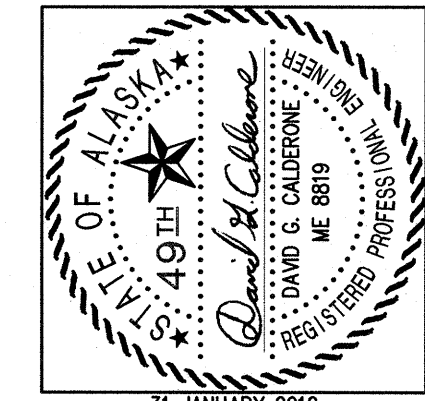
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SHEET TITLE:
 SECOND FLOOR
 HYDRONIC PLAN

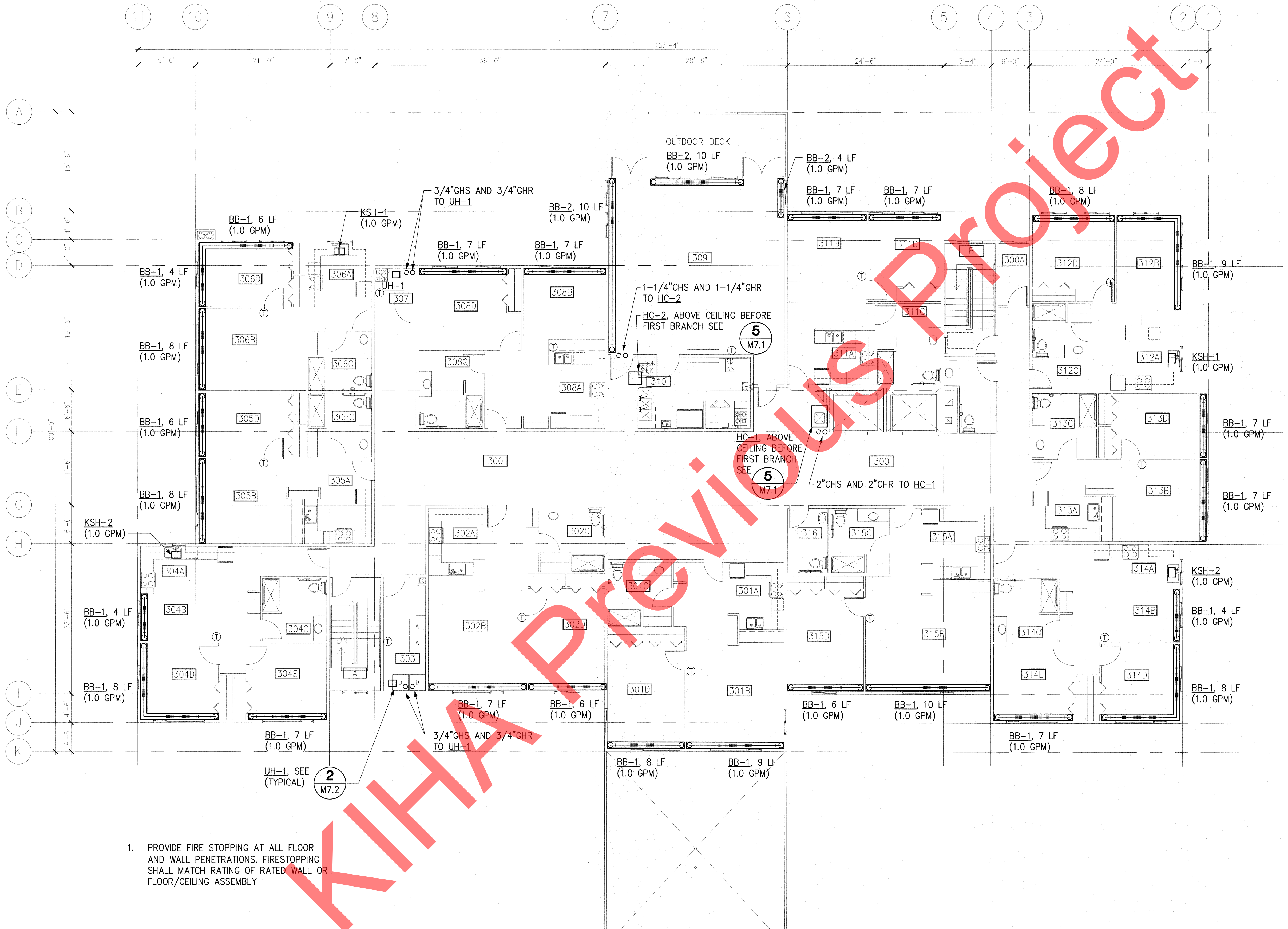
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M2.5

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 rohde@rohdeandassociatesinc.com

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1. PROVIDE FIRE STOPPING AT ALL FLOOR AND WALL PENETRATIONS. FIRESTOPPING SHALL MATCH RATING OF RATED WALL OR FLOOR/CEILING ASSEMBLY

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

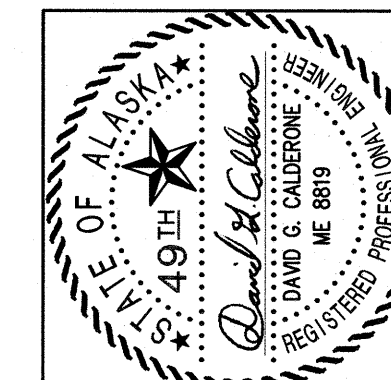
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SHEET TITLE:
 THIRD FLOOR
 HYDRONIC PLAN

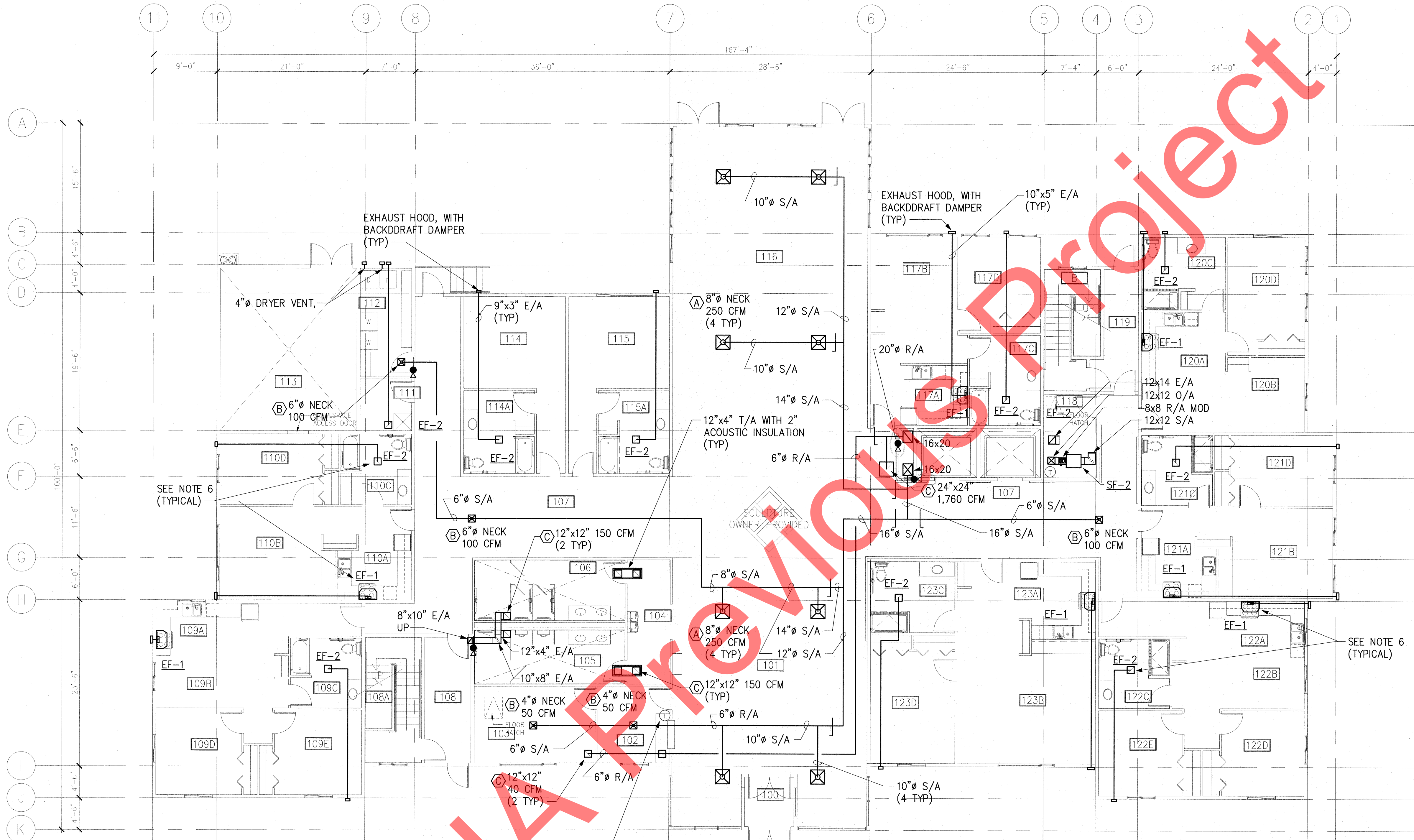
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M2.6

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GENERAL SHEET NOTES:

1. COORDINATE EXACT LOCATION OF EXHAUST FANS WITH ARCHITECTURAL PLANS.
2. COORDINATE EXACT ROUTING OF EXHAUST DUCTWORK WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS.
3. COORDINATE EXACT ROUTING OF DRYER EXHAUST DUCTWORK WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS.
4. COORDINATE EXACT ROUTING OF LOCATION OF EXHAUST AIR HOODS WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS. COORDINATE FINAL COLOR WITH ARCHITECTURAL PLANS.
5. CONTRACTOR SHALL COORDINATE ALL EXHAUST TERMINATION LOCATIONS TO ENSURE THAT A 3 FOOT CLEARANCE IS MAINTAINED BETWEEN EXHAUST AND OPENINGS INTO THE BUILDING.
6. PROVIDE RADIATION DAMPERS AT ALL EF-1 AND EF-2 WHERE DUCT LEAVES FIRE RATED ASSEMBLY SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

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

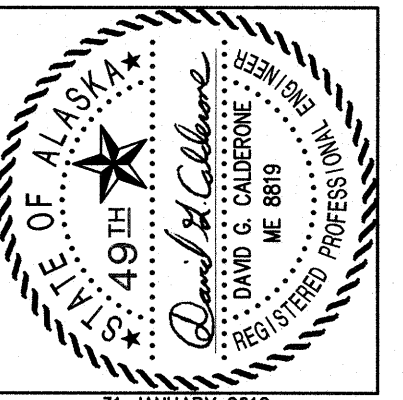
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SHEET TITLE:
 FIRST FLOOR VENTILATION PLAN

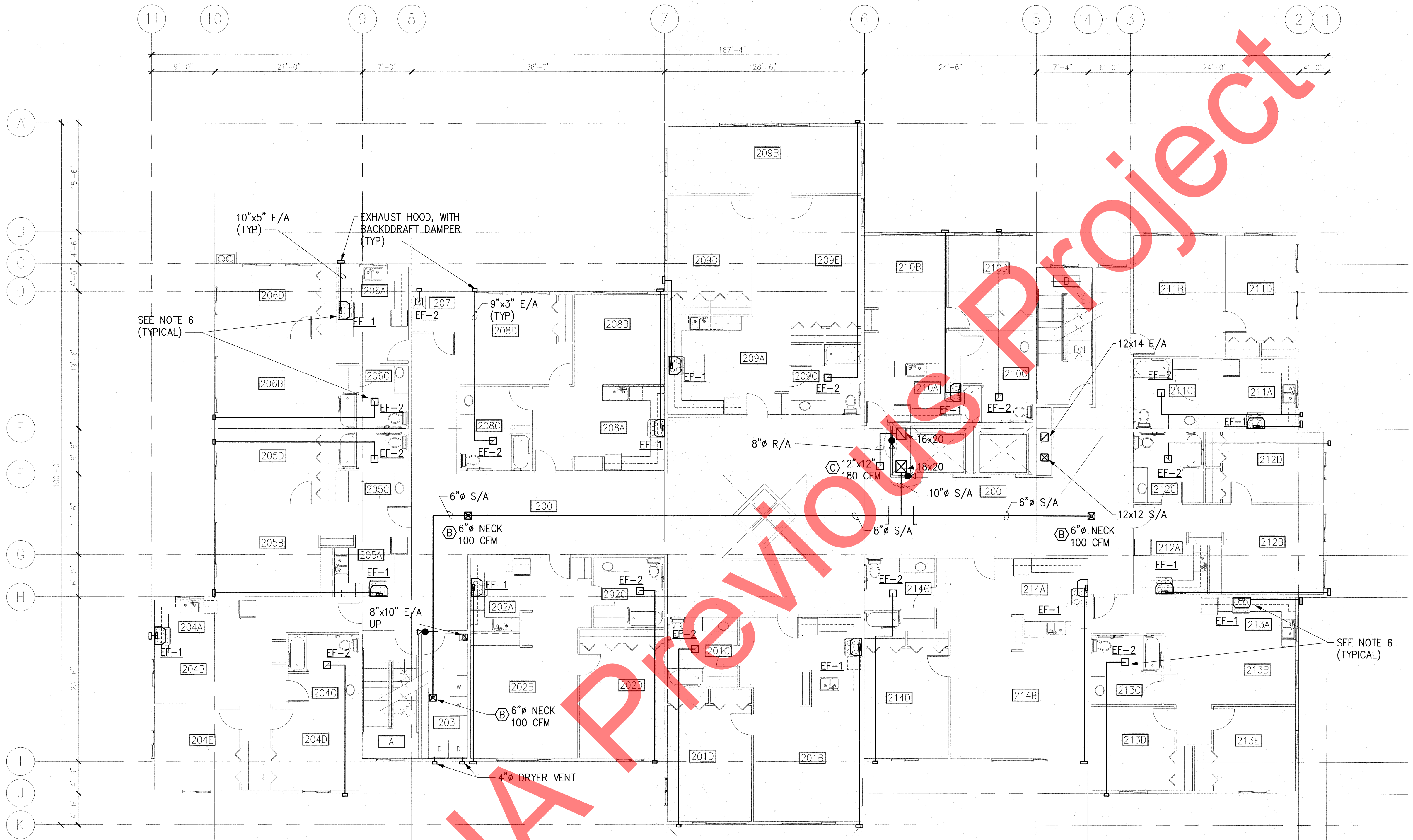
SHEET NO.
M2.7

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 rohde@rohdeandassociatesinc.com

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GENERAL SHEET NOTES:

- COORDINATE EXACT LOCATION OF EXHAUST FANS WITH ARCHITECTURAL PLANS.
- COORDINATE EXACT ROUTING OF EXHAUST DUCTWORK WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS.
- COORDINATE EXACT ROUTING OF DRYER EXHAUST DUCTWORK WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS.
- COORDINATE EXACT ROUTING OF LOCATION OF EXHAUST AIR HOODS WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS. COORDINATE FINAL COLOR WITH ARCHITECTURAL PLANS.
- CONTRACTOR SHALL COORDINATE ALL EXHAUST TERMINATION LOCATIONS TO ENSURE THAT A 3 FOOT CLEARANCE IS MAINTAINED BETWEEN EXHAUST AND OPENINGS INTO THE BUILDING.
- PROVIDE RADIATION DAMPERS AT ALL EF-1 AND EF-2 WHERE DUCT LEAVES FIRE RATED ASSEMBLY SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

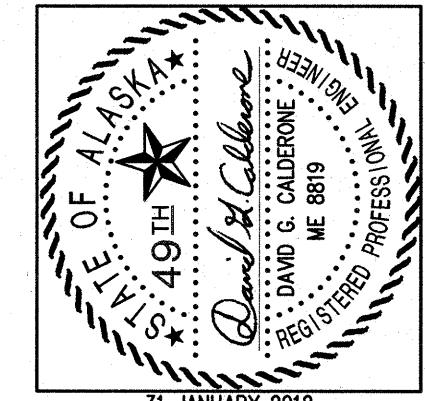
1 SECOND FLOOR VENTILATION PLAN
 SCALE: 1/8" = 1'-0"

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SHEET TITLE:
 SECOND FLOOR VENTILATION PLAN

SHEET NO.
M2.8

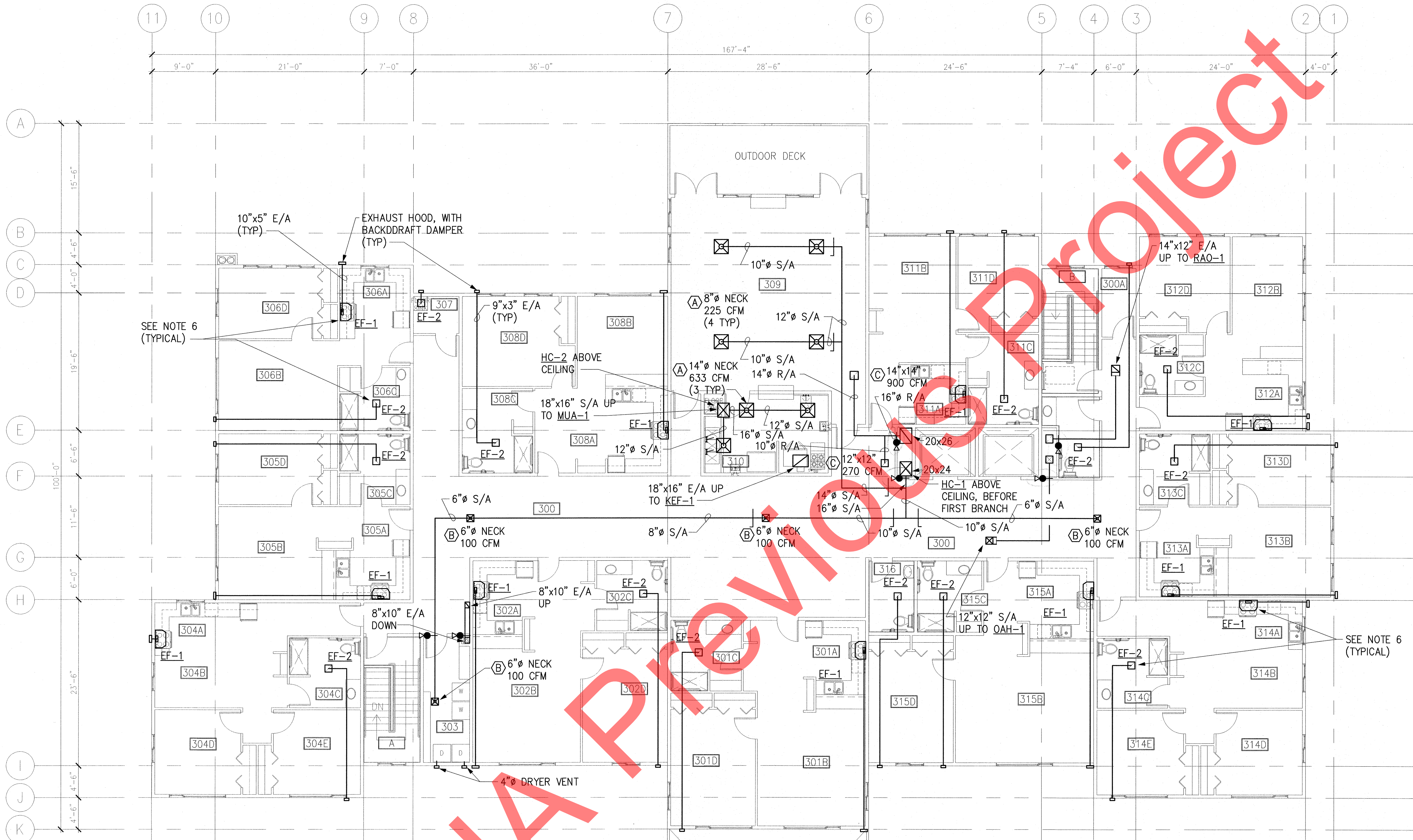


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11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 696-2960 fax (907) 696-2962
 arohde@rohdeandassociatesinc.com

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GENERAL SHEET NOTES:

- COORDINATE EXACT LOCATION OF EXHAUST FANS WITH ARCHITECTURAL PLANS.
- COORDINATE EXACT ROUTING OF EXHAUST DUCTWORK WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS.
- COORDINATE EXACT ROUTING OF DRYER EXHAUST DUCTWORK WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS.
- COORDINATE EXACT ROUTING OF LOCATION OF EXHAUST AIR HOODS WITH ARCHITECTURAL PLANS AND STRUCTURAL FRAMING PLANS. COORDINATE FINAL COLOR WITH ARCHITECTURAL PLANS.
- CONTRACTOR SHALL COORDINATE ALL EXHAUST TERMINATION LOCATIONS TO ENSURE THAT A 3 FOOT CLEARANCE IS MAINTAINED BETWEEN EXHAUST AND OPENINGS INTO THE BUILDING.
- PROVIDE RADIATION DAMPERS AT ALL EF-1 AND EF-2 WHERE DUCT LEAVES FIRE RATED ASSEMBLY SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

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

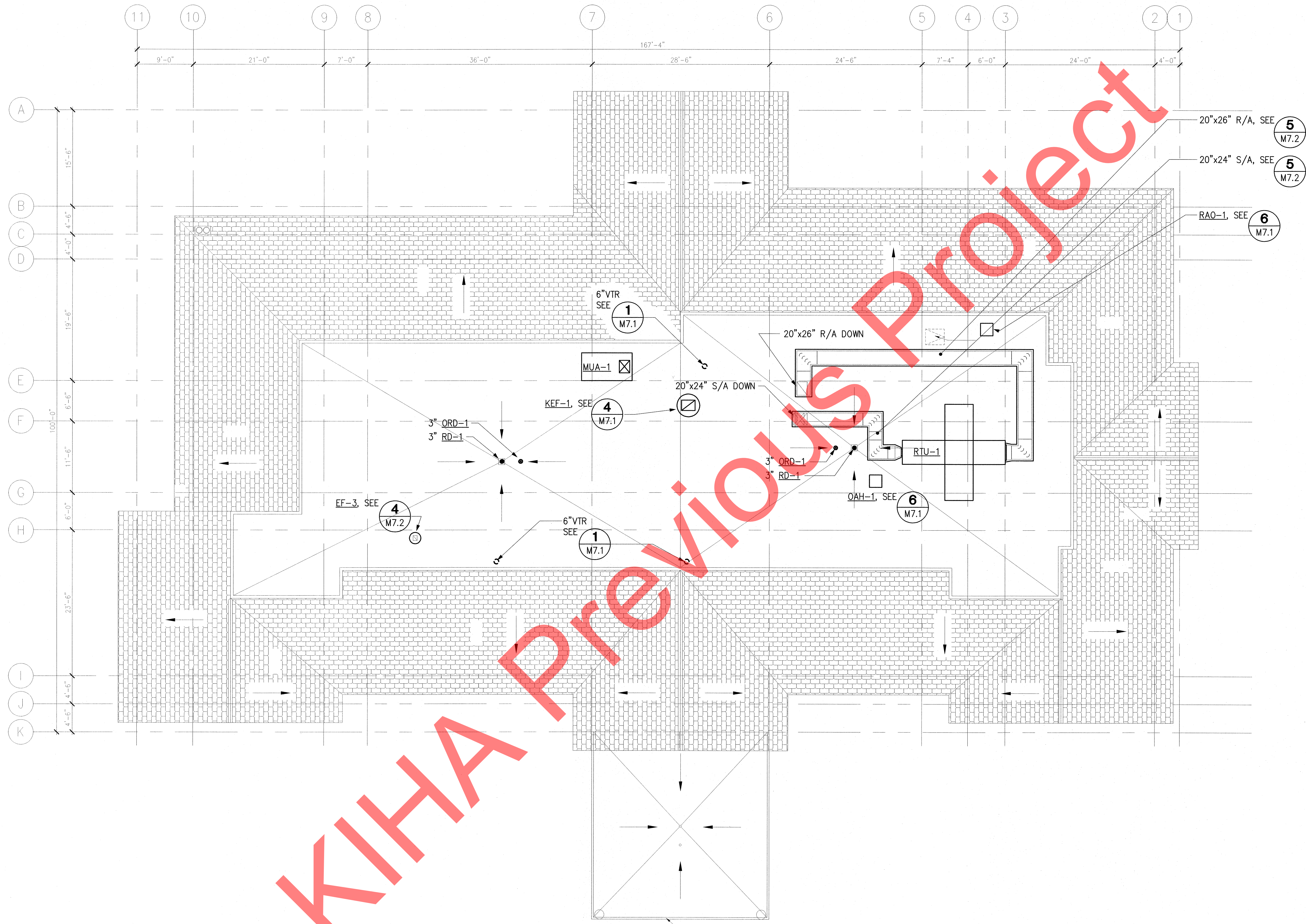
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SHEET TITLE:
 THIRD FLOOR VENTILATION PLAN

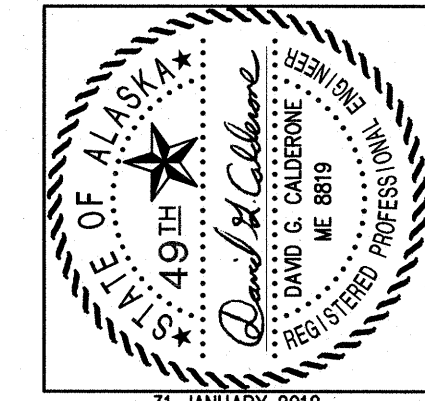
SHEET NO.
M2.9

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KITHA PREVIOUS PROJECT

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



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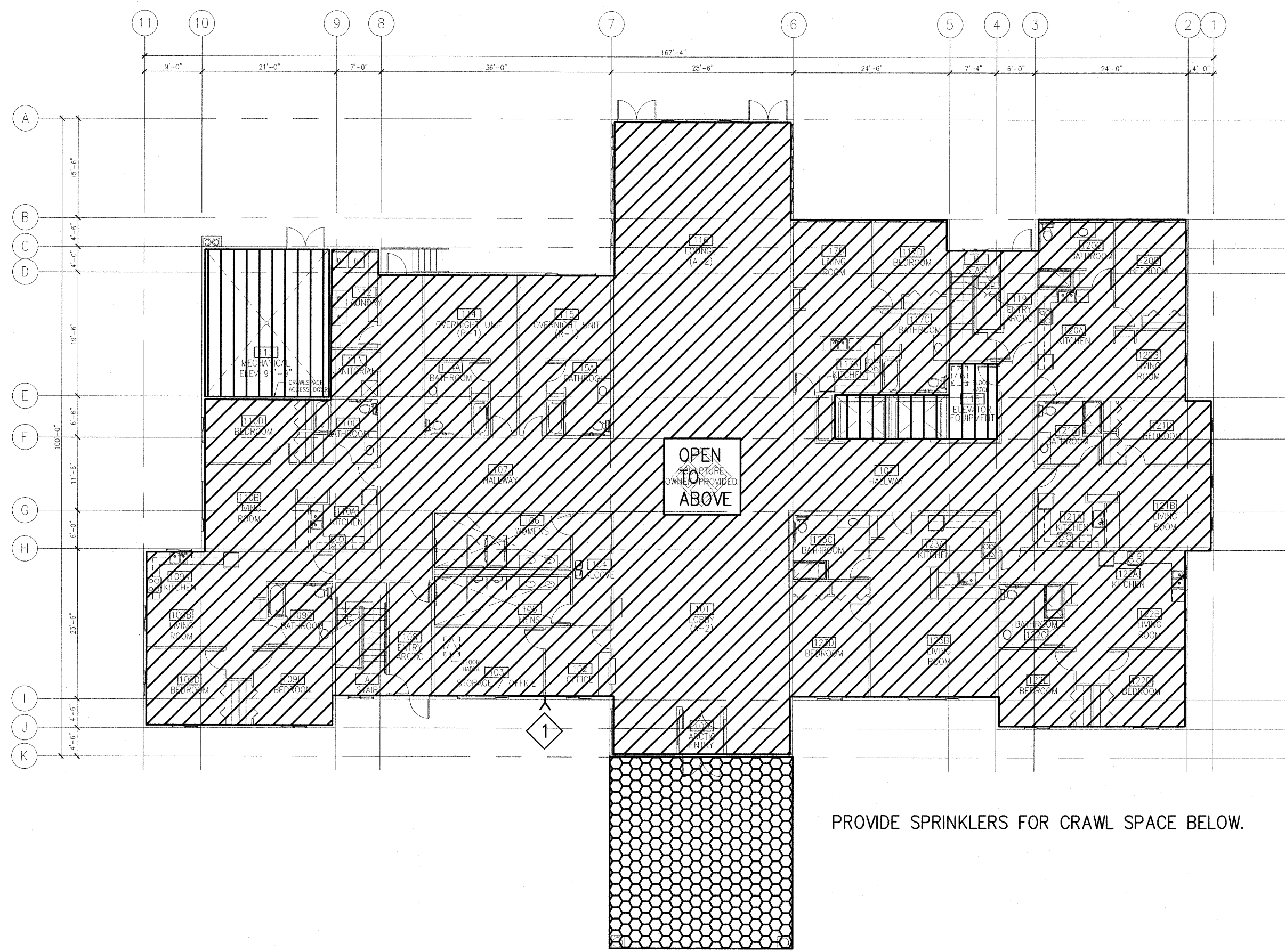
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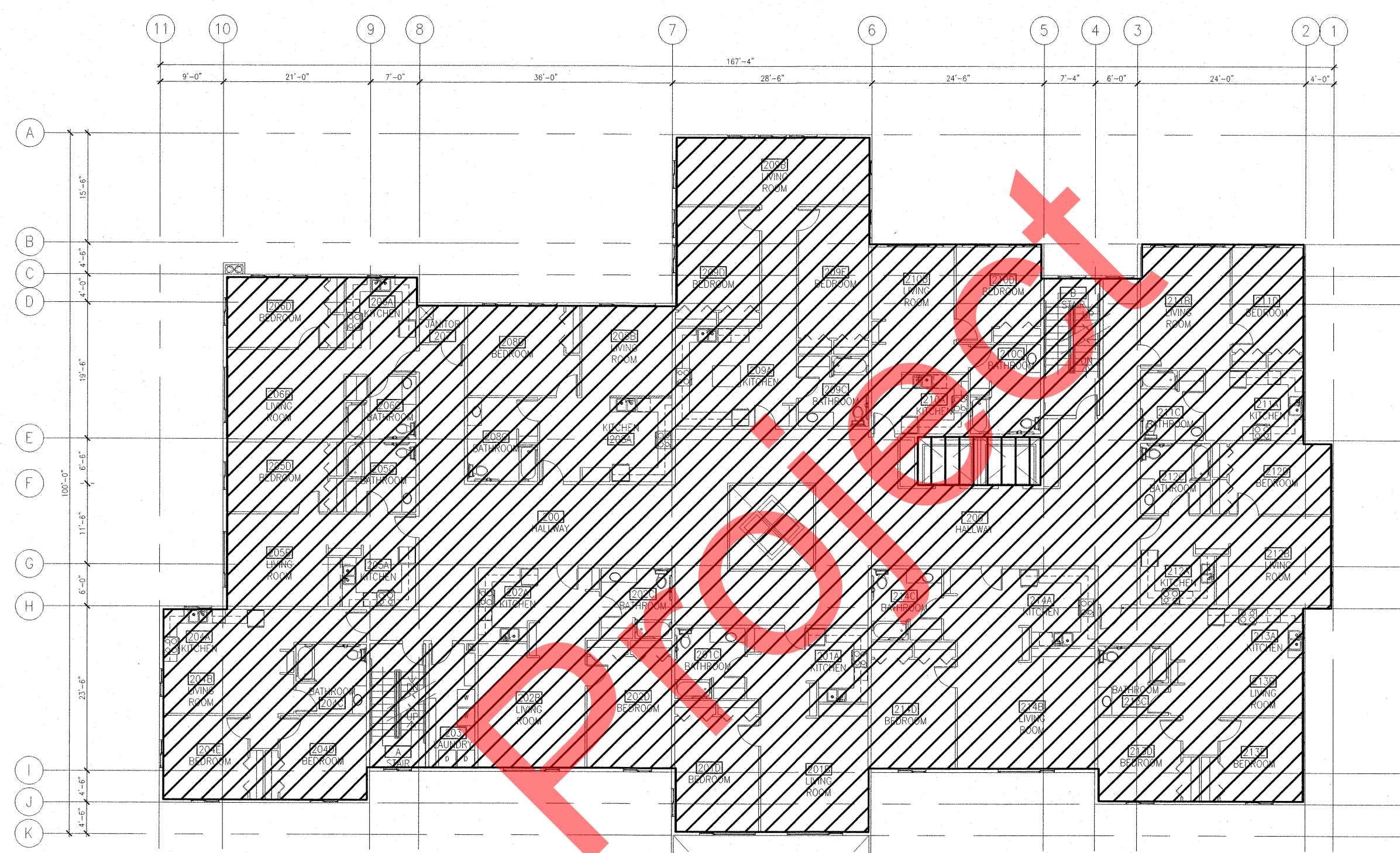
SHEET TITLE:
 ROOF PLAN

SHEET NO.
M2.10

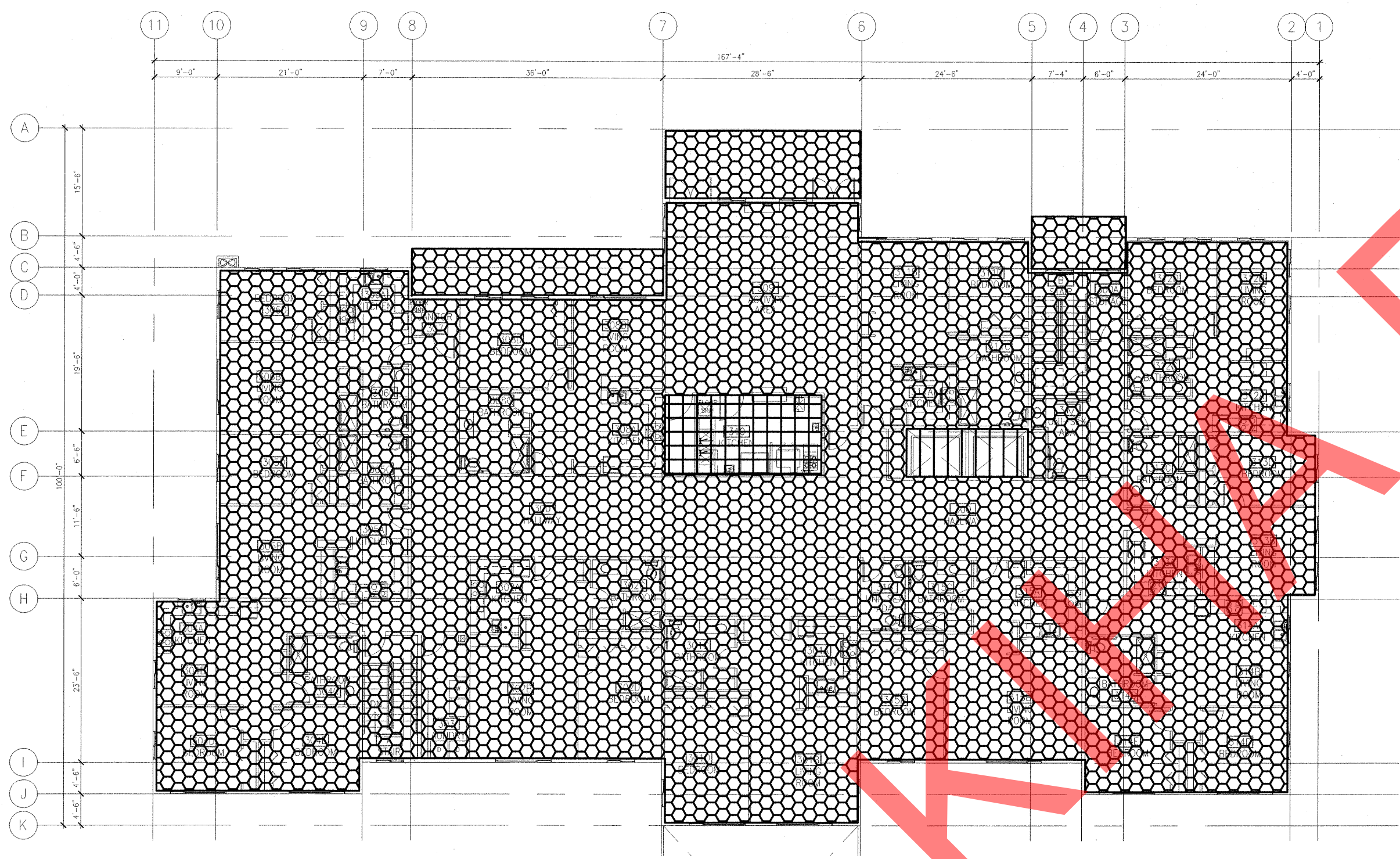
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1 FIRST FLOOR FIRE PROTECTION PLAN
SCALE: 1/16" = 1'-0"



2 SECOND FLOOR FIRE PROTECTION PLAN
SCALE: 1/16" = 1'-0"



3 THIRD FLOOR FIRE PROTECTION PLAN
SCALE: 1/16" = 1'-0"

FIRE PROTECTION NOTES

A: THESE PLANS ARE INTENDED TO SHOW THE BUILDING FIRE PROTECTION SYSTEMS REQUIREMENTS. FOR ADDITIONAL INFORMATION, SITE, FIRE, WATER SERVICE, AND THE OVERALL BUILDING LAYOUT AND CONSTRUCTION, SEE ARCHITECTURAL PLANS.

B: COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF SPRINKLER HEADS. WHERE POSSIBLE, LOCATE SPRINKLER HEADS IN CEILING TO PRESERVE THE ARCHITECTURAL AESTHETICS OF THE BUILDING. COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION.

C: IN AREAS WITH T-BAR CEILING GRIDS, LOCATE SPRINKLER HEADS IN THE CENTER OF CEILING TILES.

D: SPRINKLER DESIGN AND INSTALLATION SHALL BE PER NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, MOST CURRENT EDITION.

E: FINAL HEAD LOCATIONS, AS SHOWN ON SHOP DRAWINGS, SHALL BE SUBMITTED FOR APPROVAL BY ARCHITECT.

F: CONTRACTOR TO FIELD VERIFY EXISTING HYDRANT FLOW AND ACTUAL FLOW AND PRESSURE AT SPRINKLER RISER TO ENSURE SUFFICIENT FIRE WATER FLOW TO MEET DESIGN REQUIREMENTS. PROVIDE A 15% SAFETY FACTOR IN THE DESIGN.

FIRE PROTECTION AREA LEGEND

PROVIDE WET PIPE SPRINKLERS PER NFPA STANDARD 13. LIGHT HAZARD. ON FIRST FLOOR ALSO PROVIDE SPRINKLERS IN CRAWL SPACE BELOW.

PROVIDE DRY FIRE SYSTEM PER NFPA STANDARD 13, LIGHT HAZARD.

PROVIDE WET HEAD SPRINKLERS PER NFPA STANDARD 13. LIGHT HAZARD, ABOVE AND BELOW CEILING.

PROVIDE WET PIPE SYSTEM PER NFPA STANDARD 13. LIGHT HAZARD, IN CRAWL SPACE.

PROVIDE WET PIPE SPRINKLERS PER NFPA STANDARD 13. ORDINARY HAZARD, GROUP I. BOILER ROOM, ELEVATOR, ELEVATOR MACHINE ROOM, AND KITCHEN.

PROVIDE DRY PIPE SPRINKLERS PER NFPA STANDARD 13. ORDINARY HAZARD, GROUP I. KITCHEN.

PROVIDE WET HEAD SPRINKLERS PER NFPA STANDARD 13. LIGHT HAZARD, EXPOSED.

FIRE PROTECTION PLAN NOTES

FIRE DEPARTMENT CONNECTION.



Rohde & Associates architects
planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 696-2960 fax (907) 696-2962
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SHEET TITLE:
FIRST FLOOR
FIRE PROTECTION PLAN

SHEET NO.
M2.11



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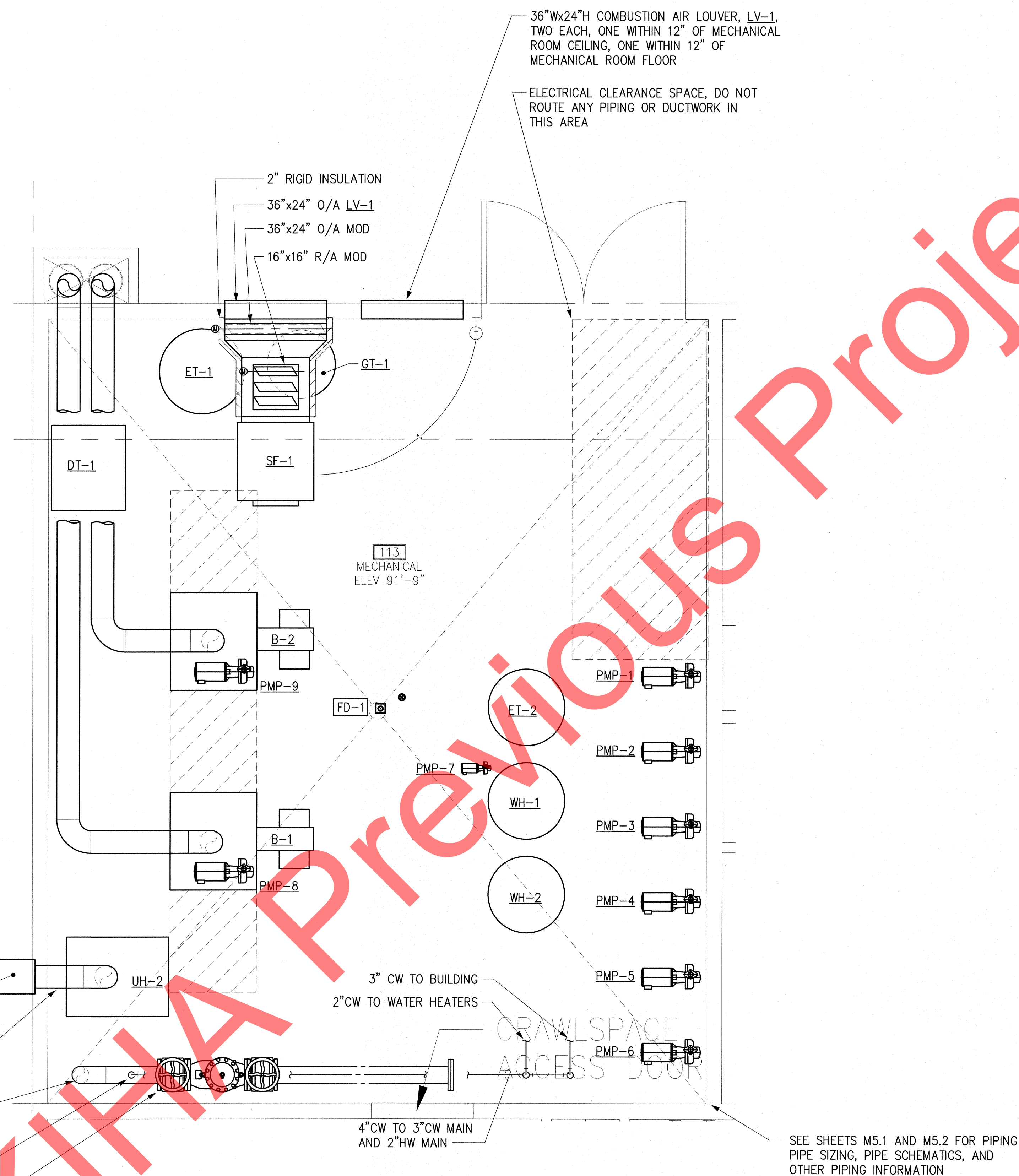
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SHEET TITLE:
 BOILER ROOM AREA
 MECHANICAL PLAN

SHEET NO.
M3.1

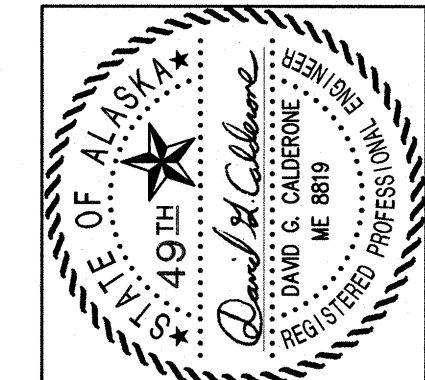


- PV-1, INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
- 8"E/A, TRANSITION AS REQUIRED TO PV-1
- 6"CW, FOR CONTINUATION, SEE CIVIL DRAWINGS
- 4"CW MAIN AND METER ABOVE DOUBLE CHECK VALVE ASSEMBLY
- 6" FIRE PROTECTION DOUBLE CHECK VALVE ASSEMBLY, SEE **3** M7.2

SEE SHEETS M5.1 AND M5.2 FOR PIPING PIPE SIZING, PIPE SCHEMATICS, AND OTHER PIPING INFORMATION

1 BOILER ROOM AREA PLAN
 SCALE: 1/2" = 1'-0"

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 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 666-2960 fax (907) 666-2962
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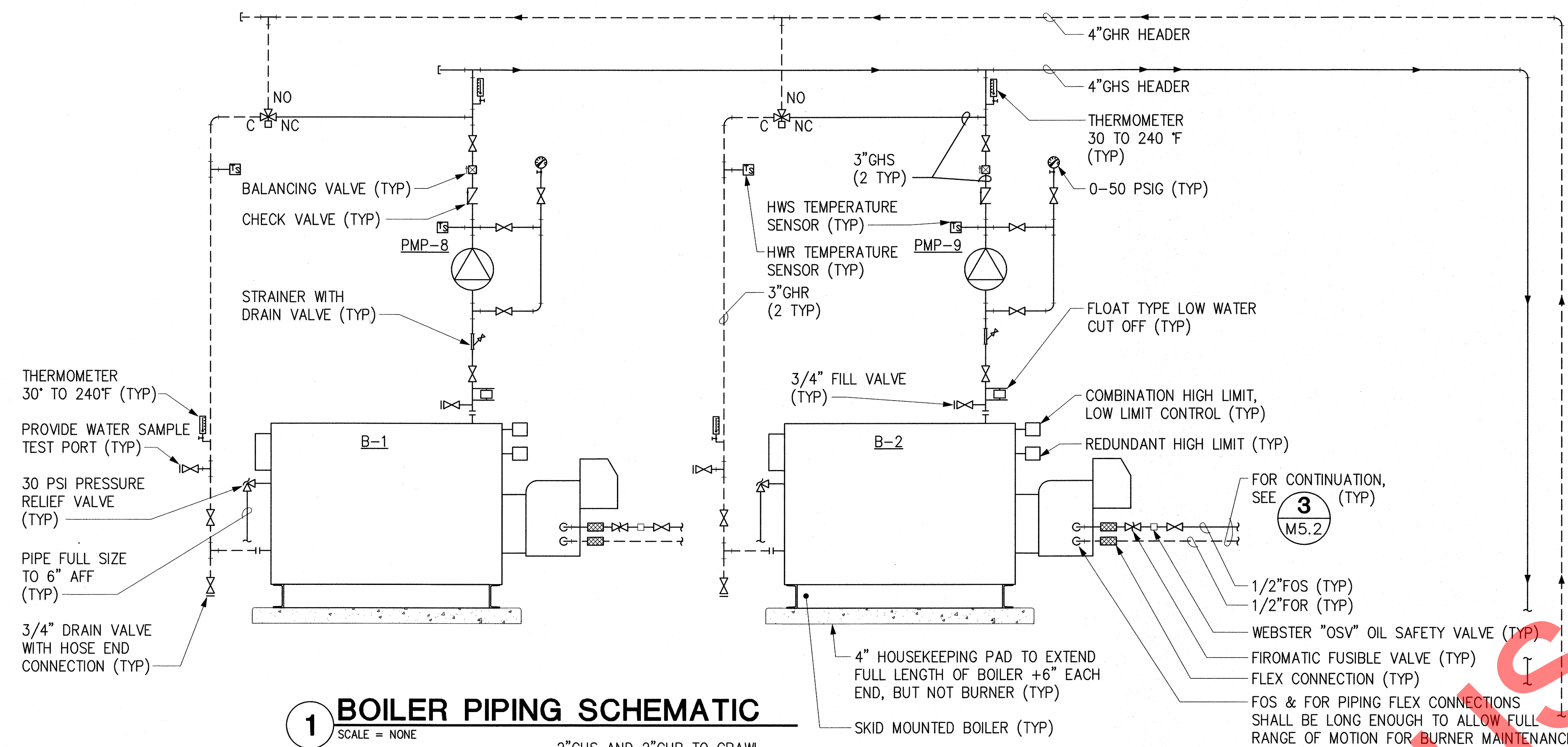
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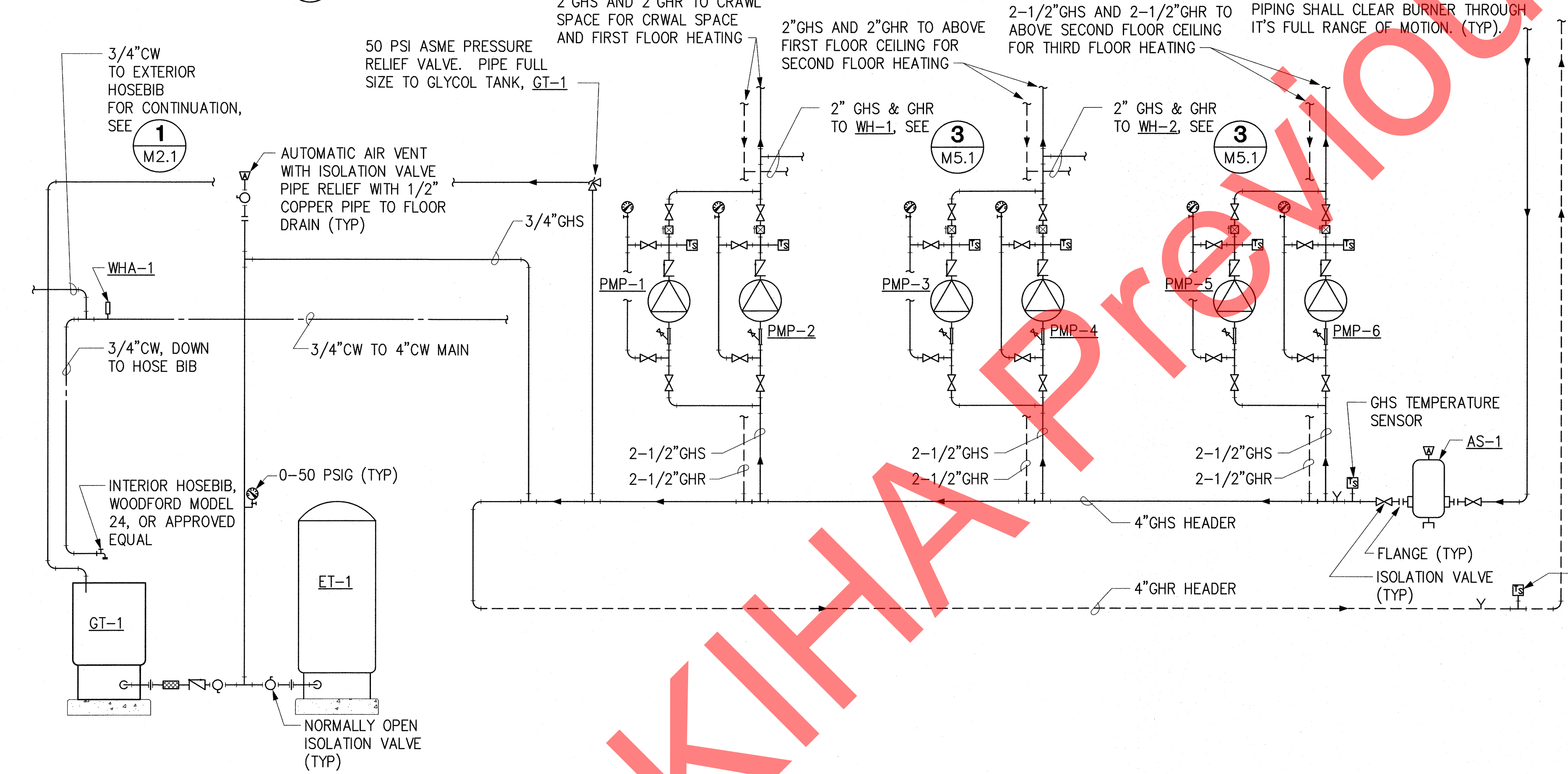
SHEET TITLE:
 BOILER ROOM
 PIPING SCHEMATIC

SHEET NO.
M5.1

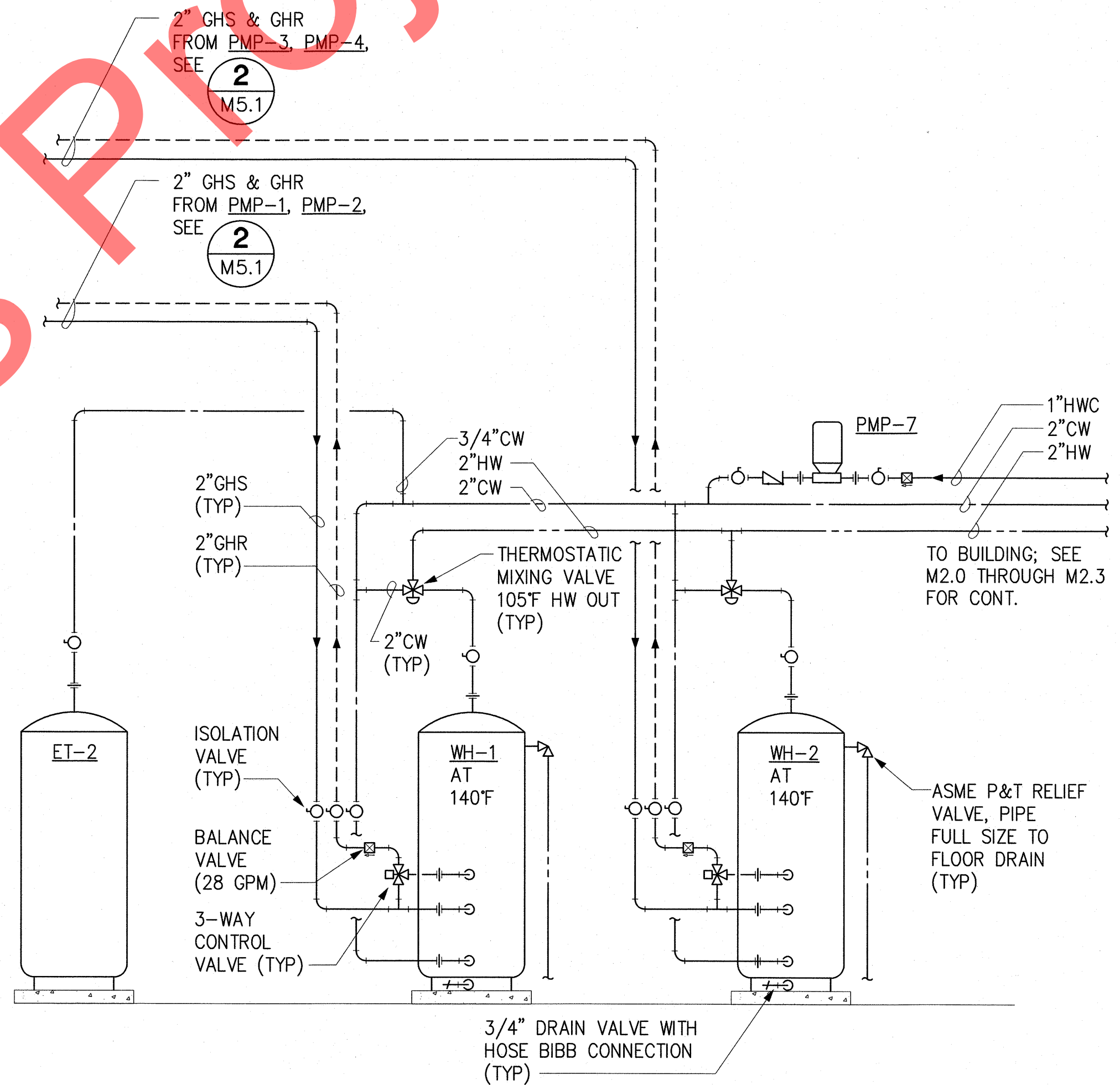
- NOTES:**
- CONTRACTOR TO SUPPLY AUTOMATIC AIR VENTS AT SYSTEM HIGH POINTS FOR GHS & GHR.
 - ALL MOTORIZED HYDRONIC EQUIPMENT SHALL BE EQUIPPED WITH FLEX CONNECTIONS ON THE INLET AND OUTLET PIPING.



1 BOILER PIPING SCHEMATIC
 SCALE = NONE

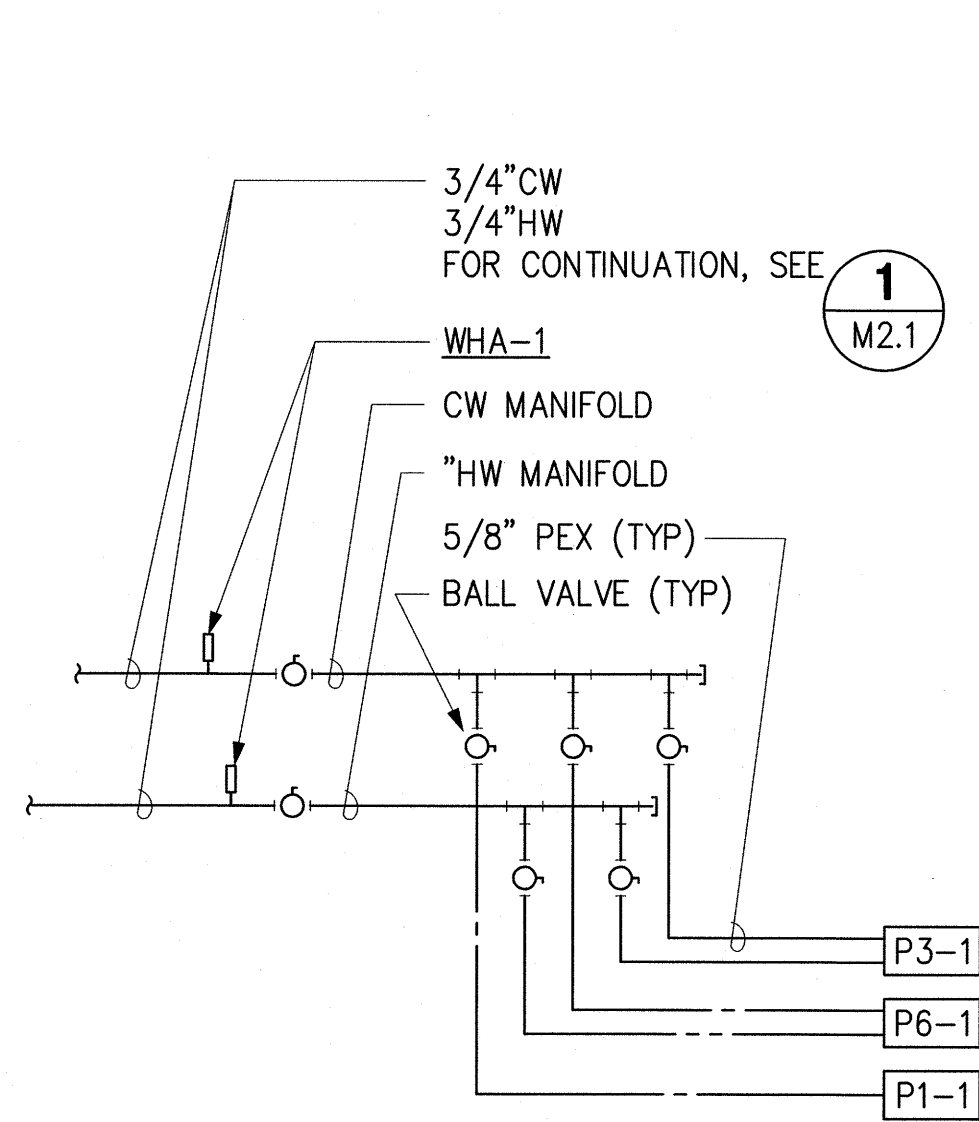


2 PUMP PIPING SCHEMATIC
 SCALE = NONE

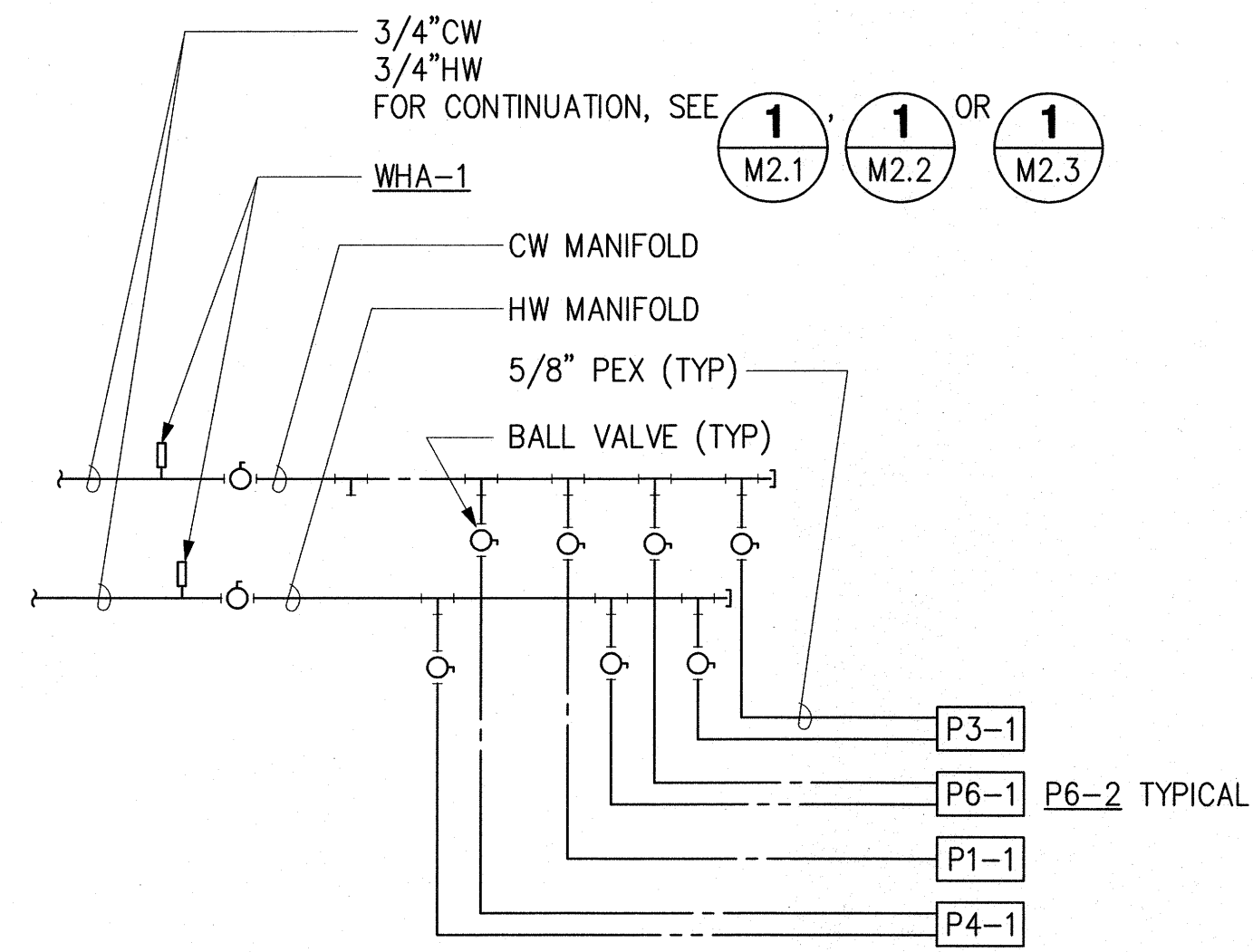


3 WATER HEATER PIPING SCHEMATIC
 SCALE = NONE

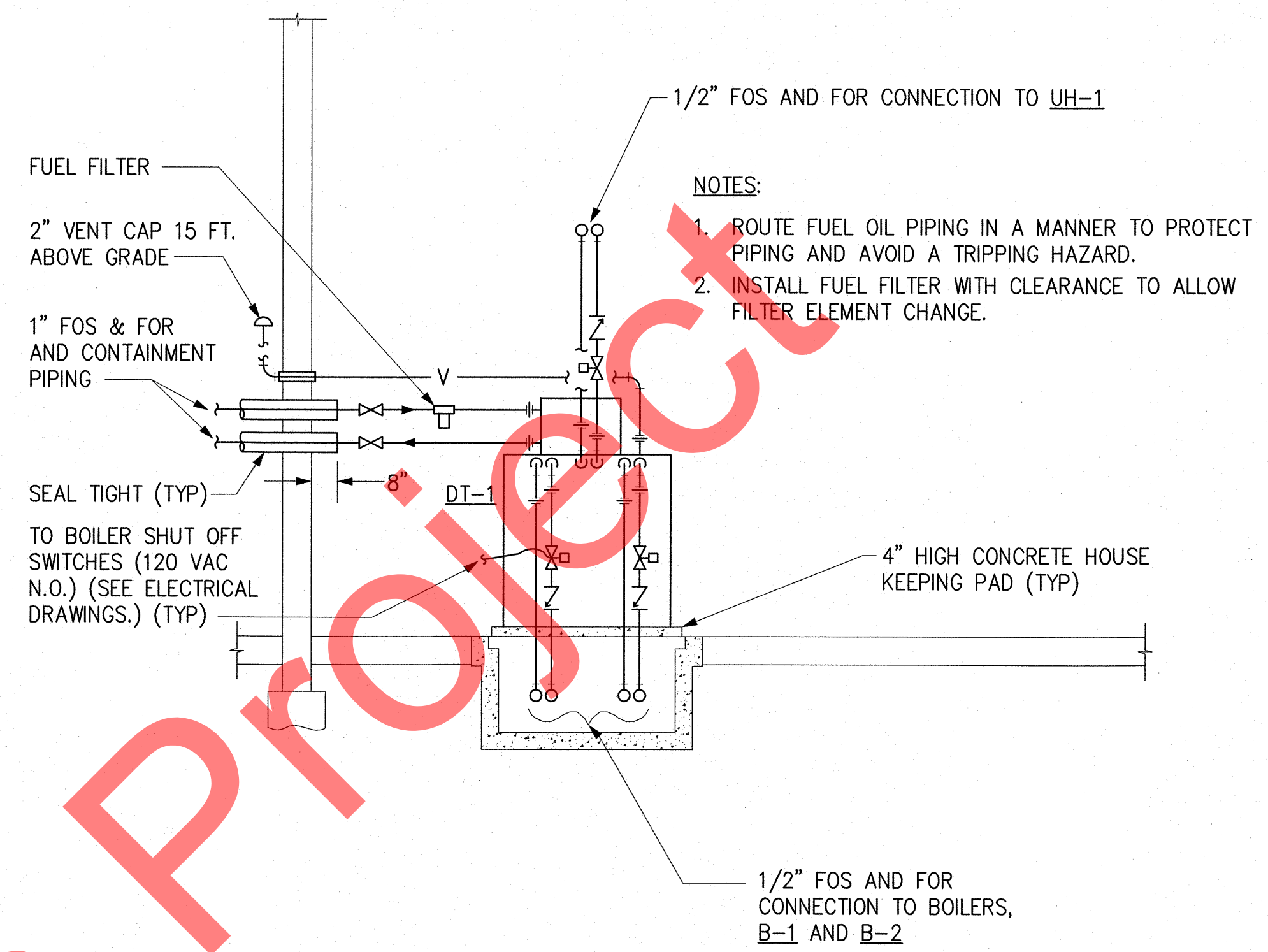
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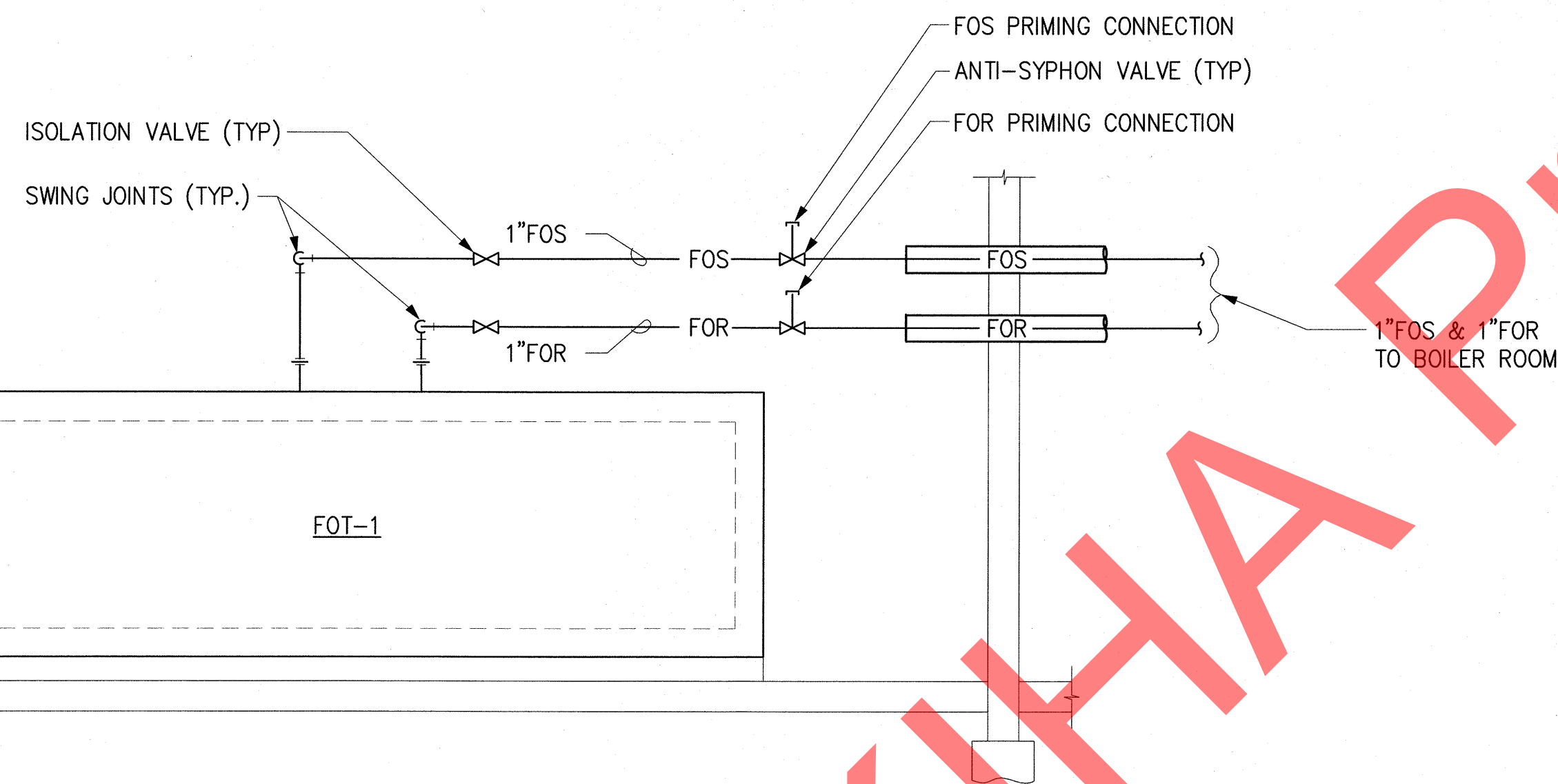
1 UNIT 114 - PLUMBING SCHEMATIC
SCALE: NONE UNIT 115 TYPICAL



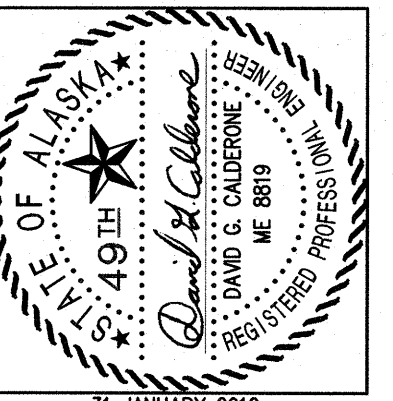
2 UNIT 109 PLUMBING SCHEMATIC
SCALE: NONE ALL UNITS TYPICAL EXCEPT 114 & 115



3 DAY TANK PIPING SCHEMATIC
SCALE: NONE



4 FUEL OIL TANK PIPING SCHEMATIC
SCALE: NONE



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11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 696-2960 fax (907) 696-2962
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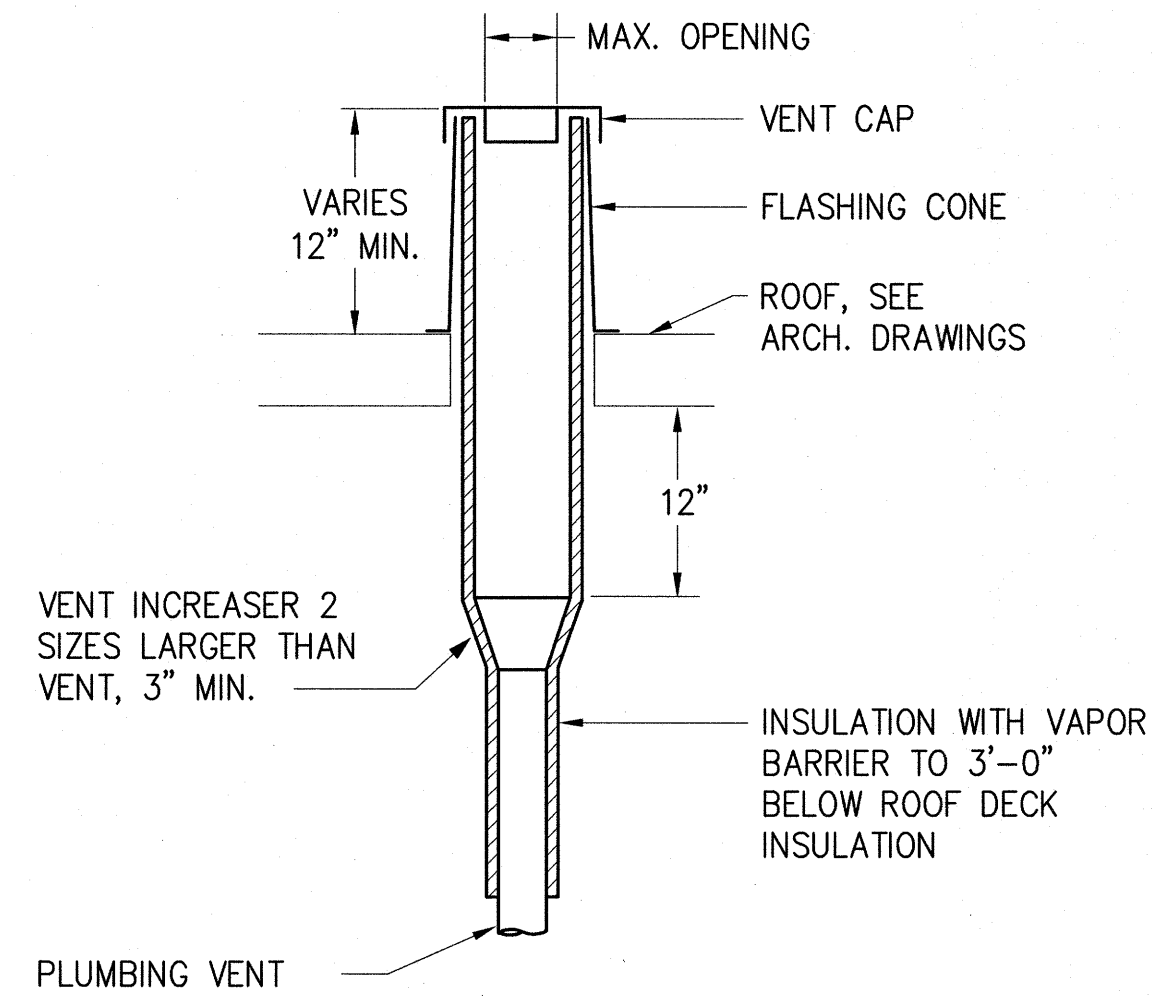
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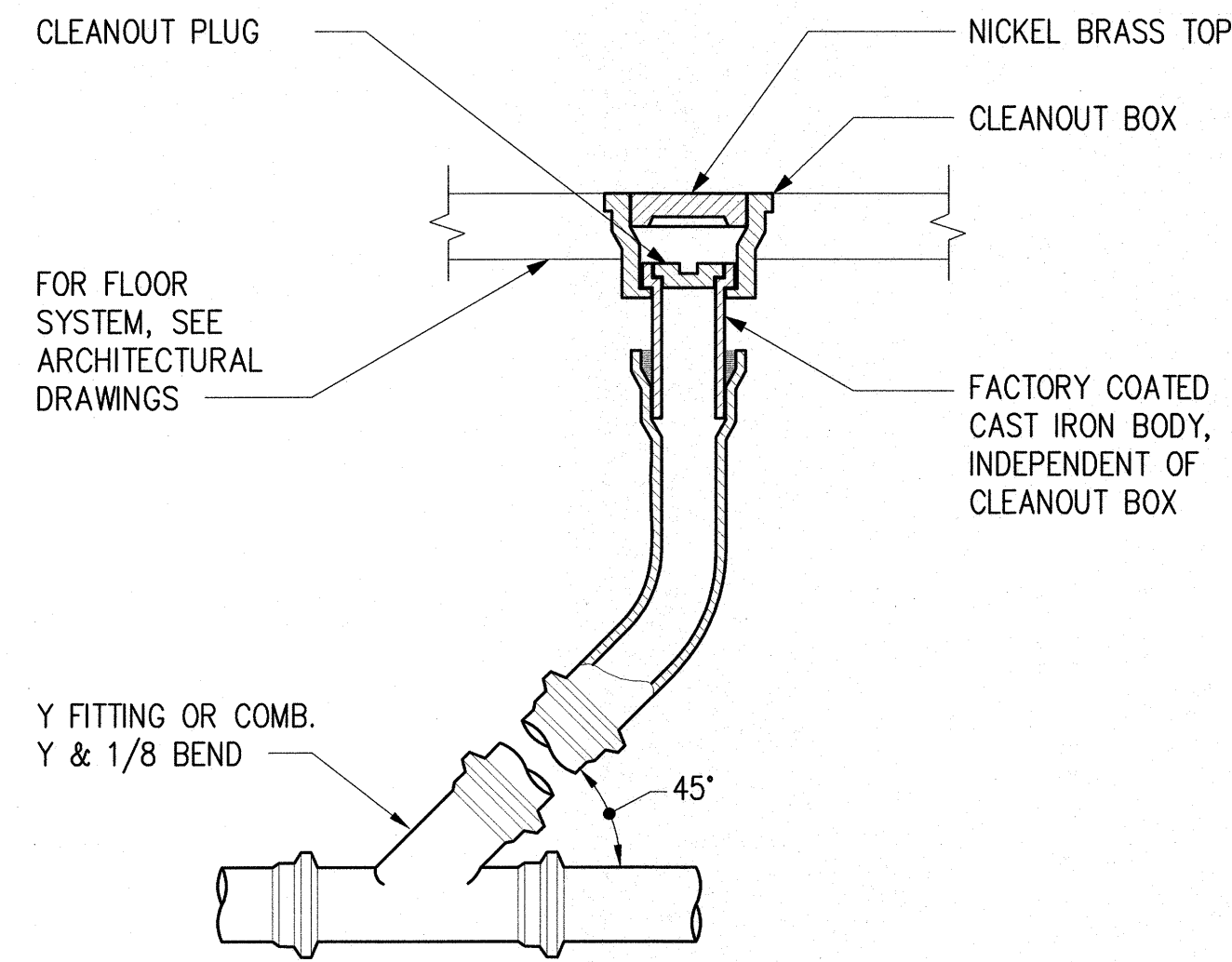
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SHEET TITLE:
MECHANICAL SCHEMATICS
PEX PIPING

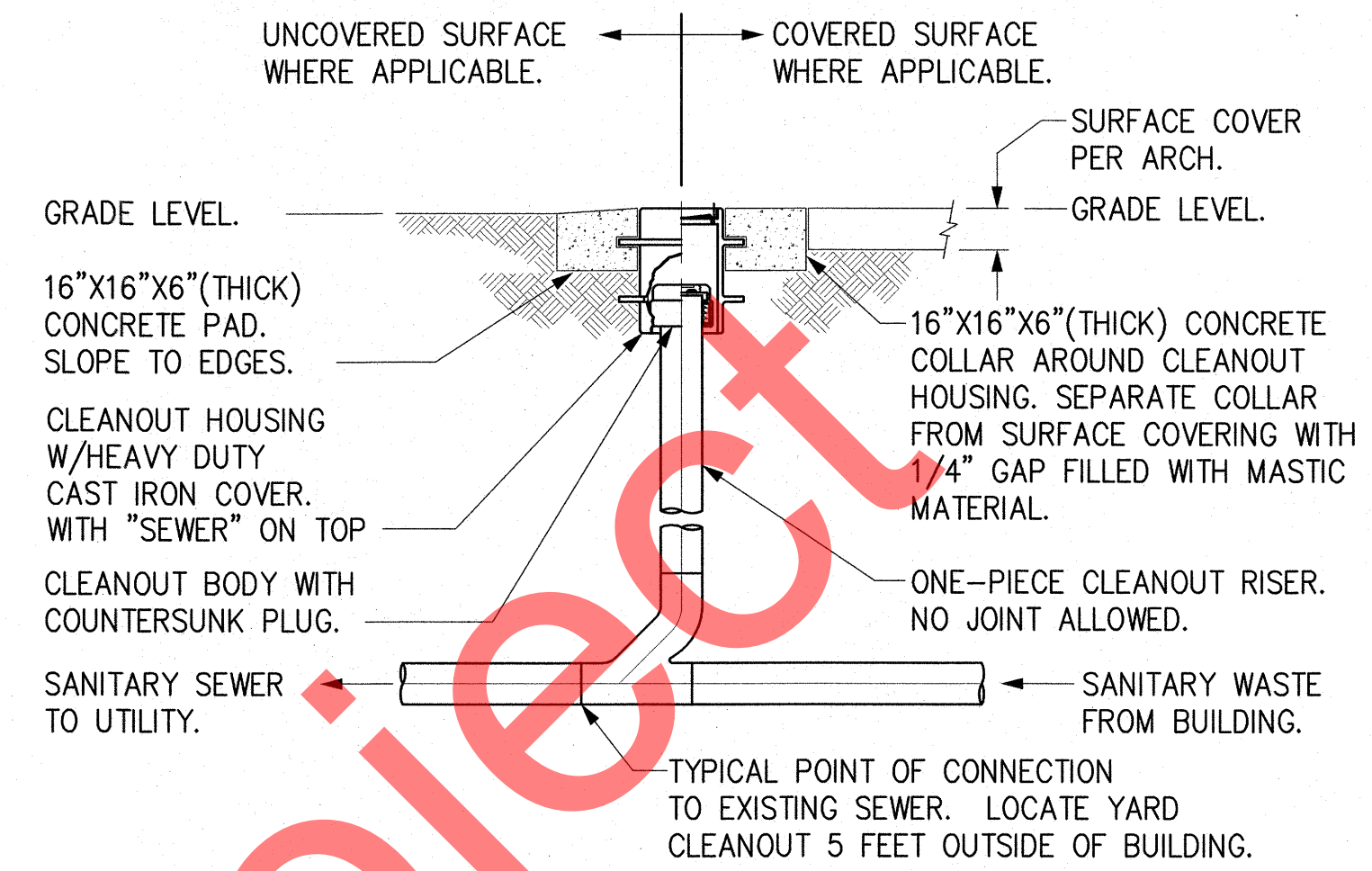
SHEET NO.
M5.2



1 PLUMBING VENT THROUGH ROOF DETAIL
SCALE = NONE

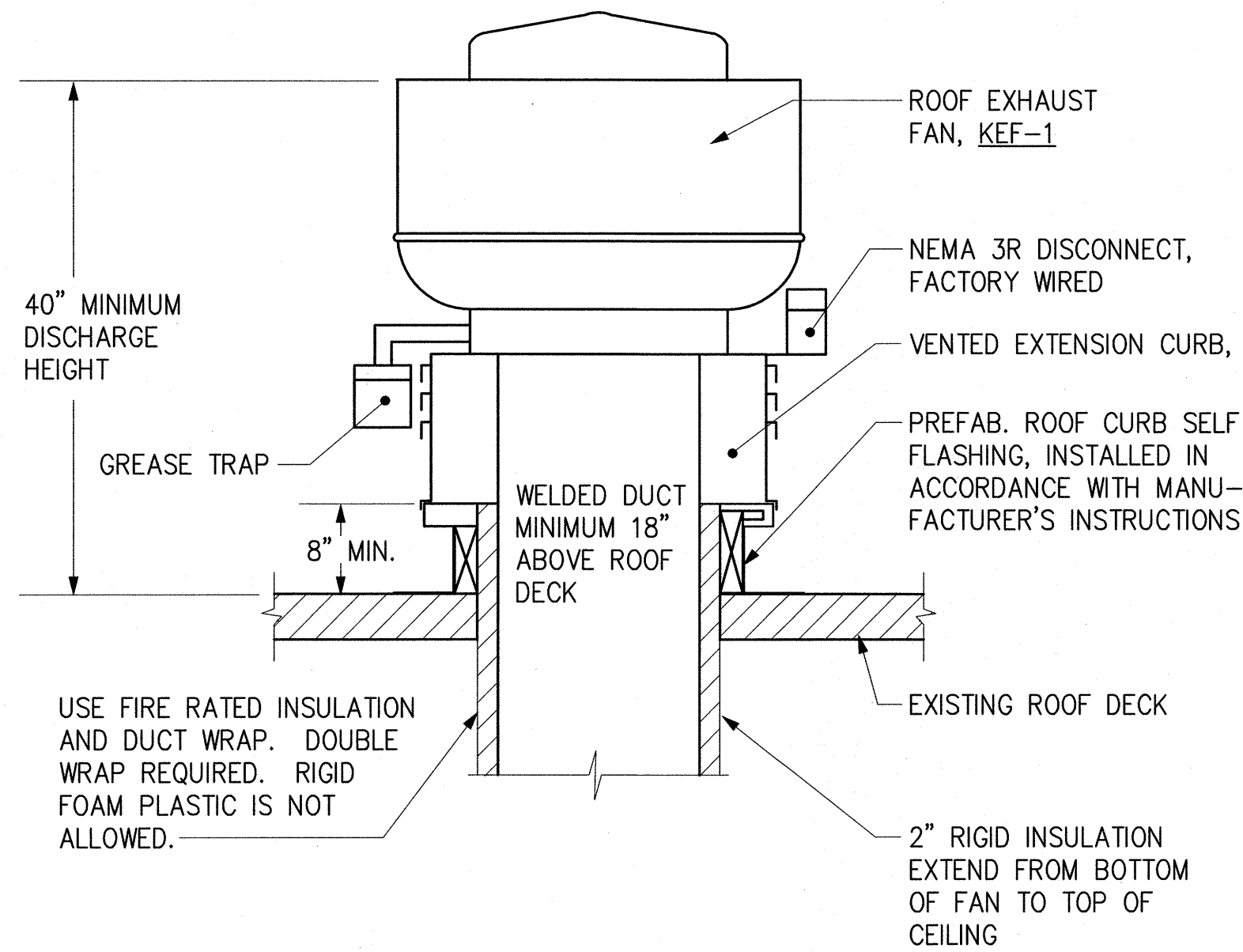


2 FLOOR CLEAN OUT DETAIL
SCALE = NONE

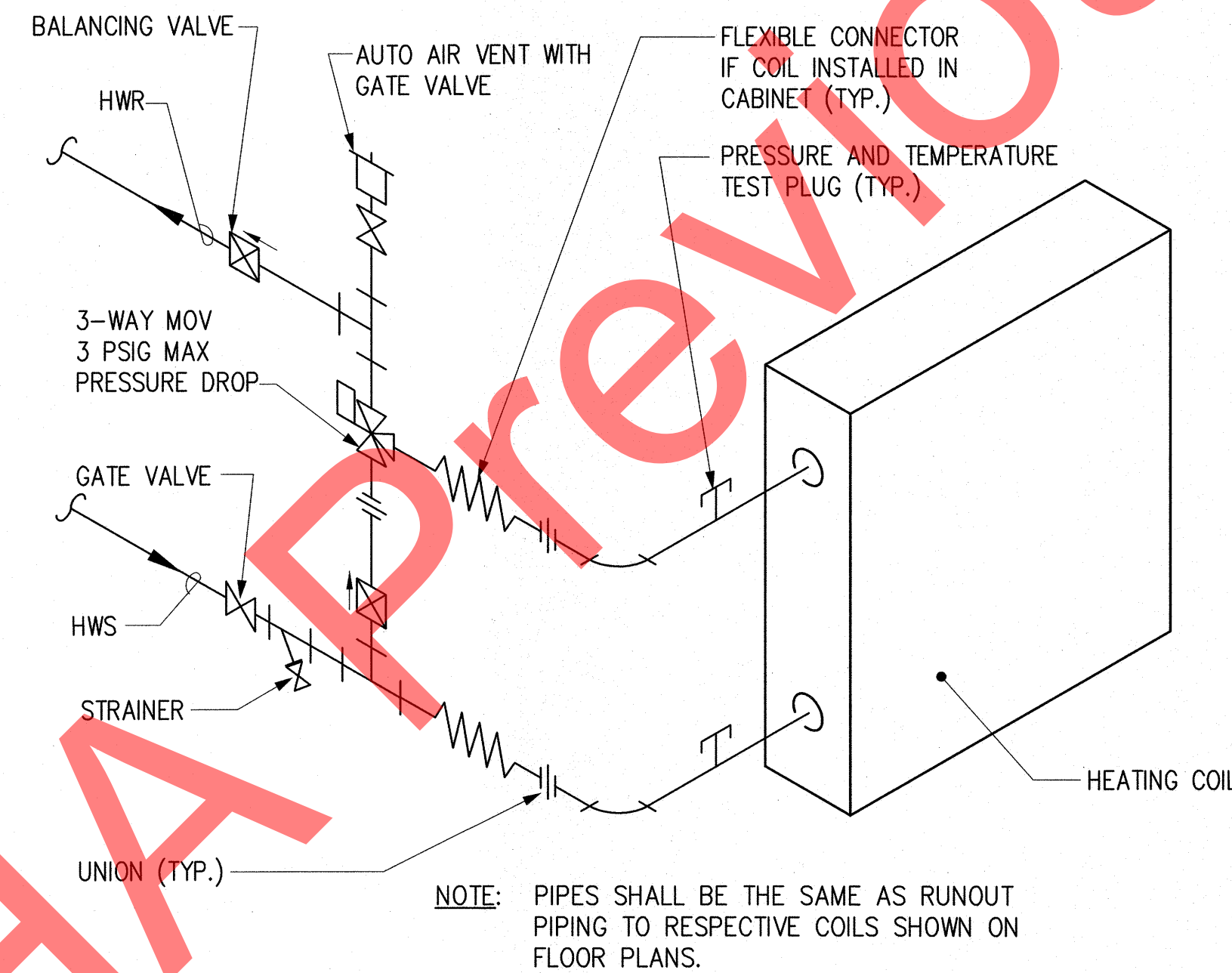


NOTE: WHERE REQUIRED ON PLANS, PROVIDE ADFREEZE BOND BREAK ON CLEANOUT RISER AS FOLLOWS: WRAP 6 LAYERS OF 5 MIL POLYETHYLENE SHEETING. EXTEND WRAP FROM TOP OF CLEANOUT RISER TO MINIMUM 12\"/>

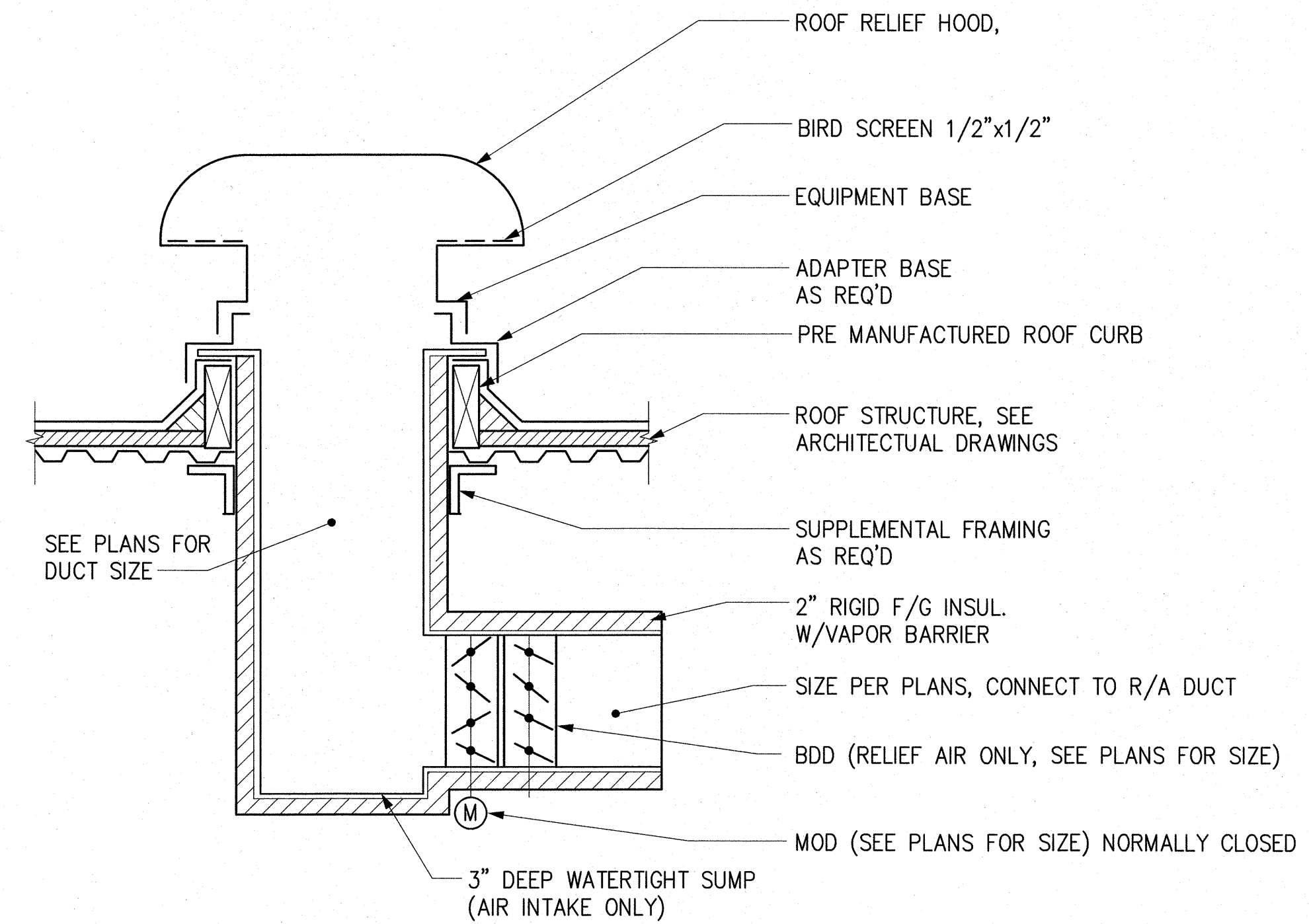
3 YARD CLEANOUT DETAIL
SCALE = NONE



4 KITCHEN EXHAUST FAN MOUNTING DETAIL
SCALE = NONE



5 3-WAY HEATING COIL
SCALE = NONE



6 ROOF HOOD DETAIL
SCALE = NONE



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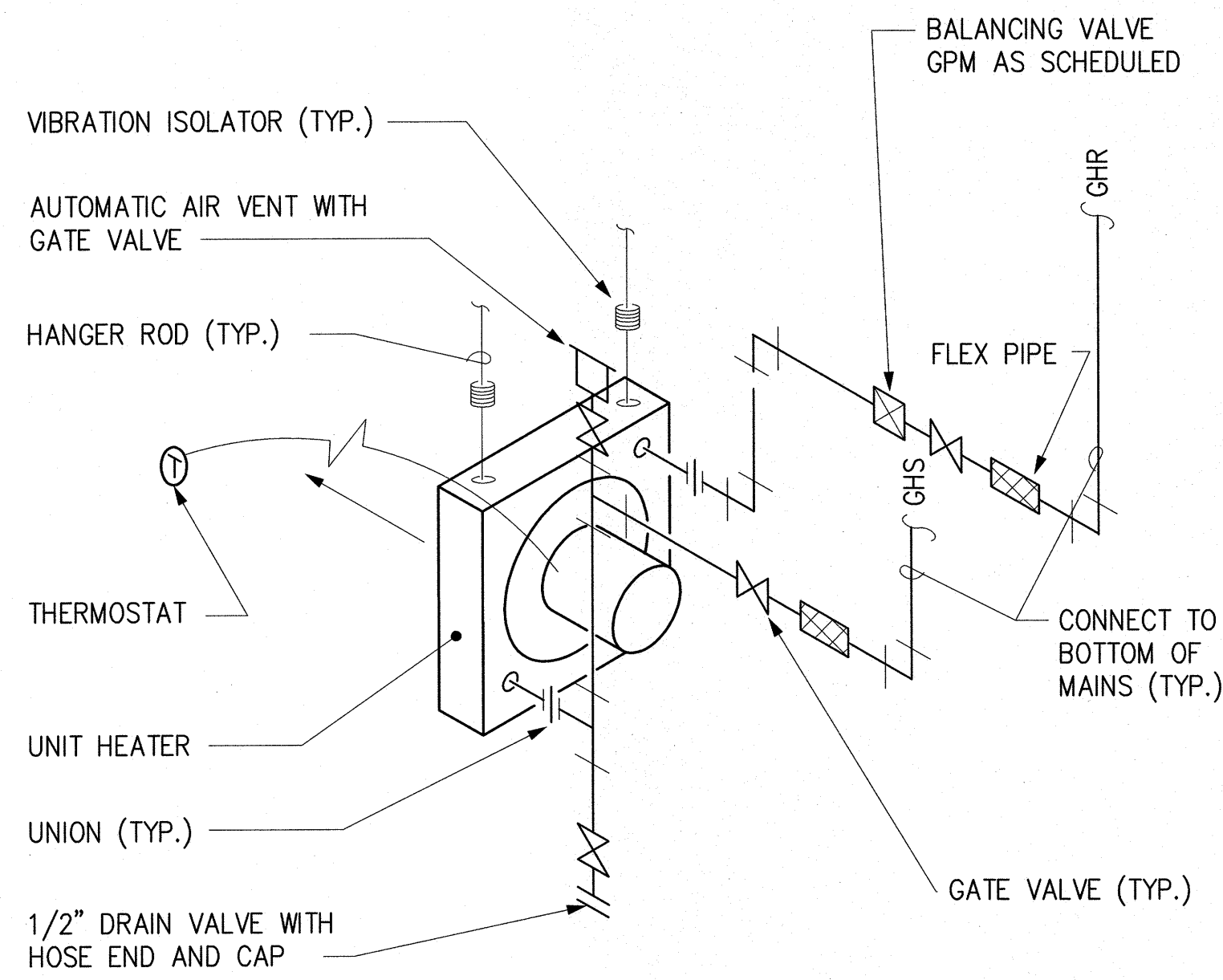
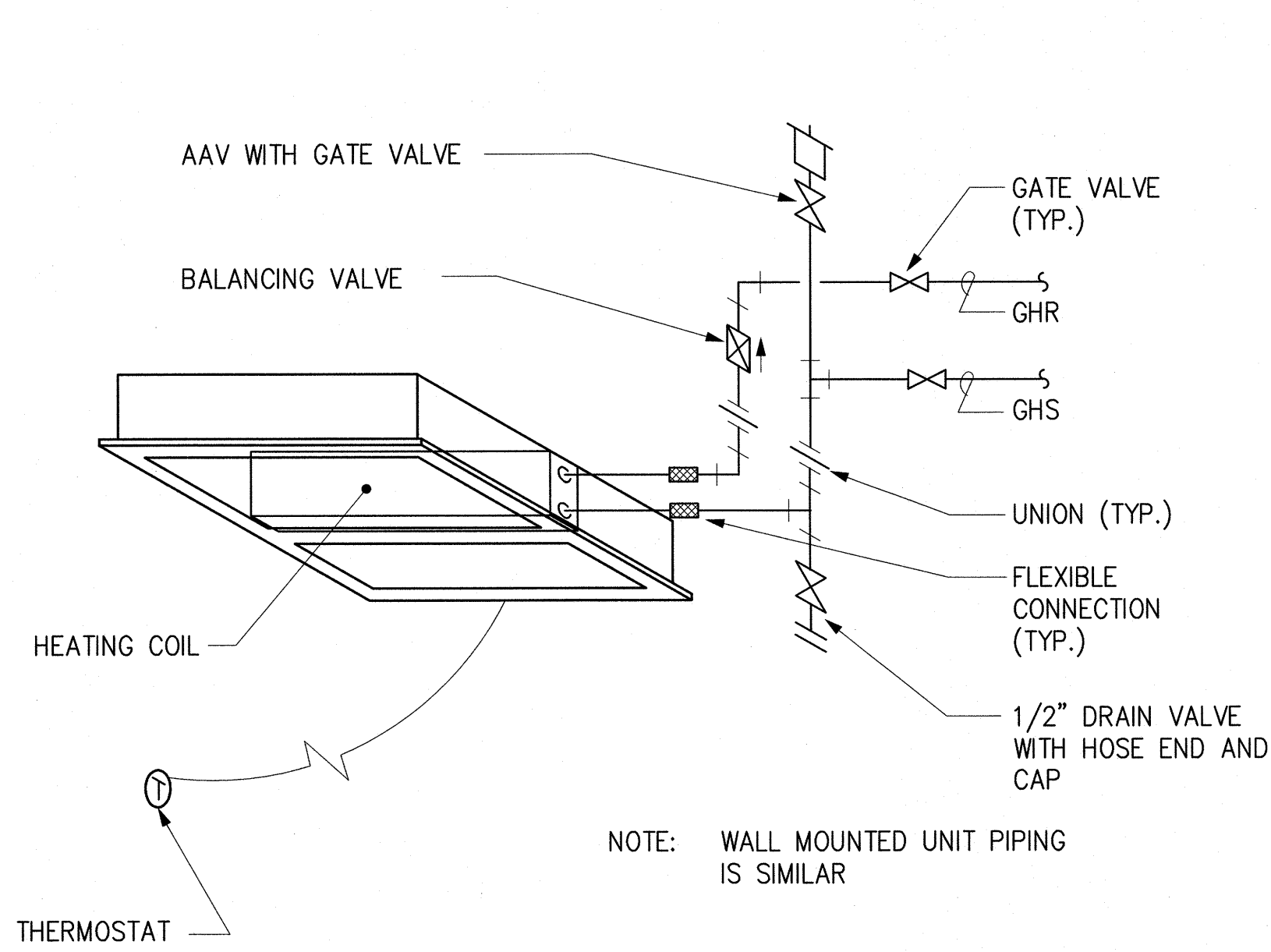
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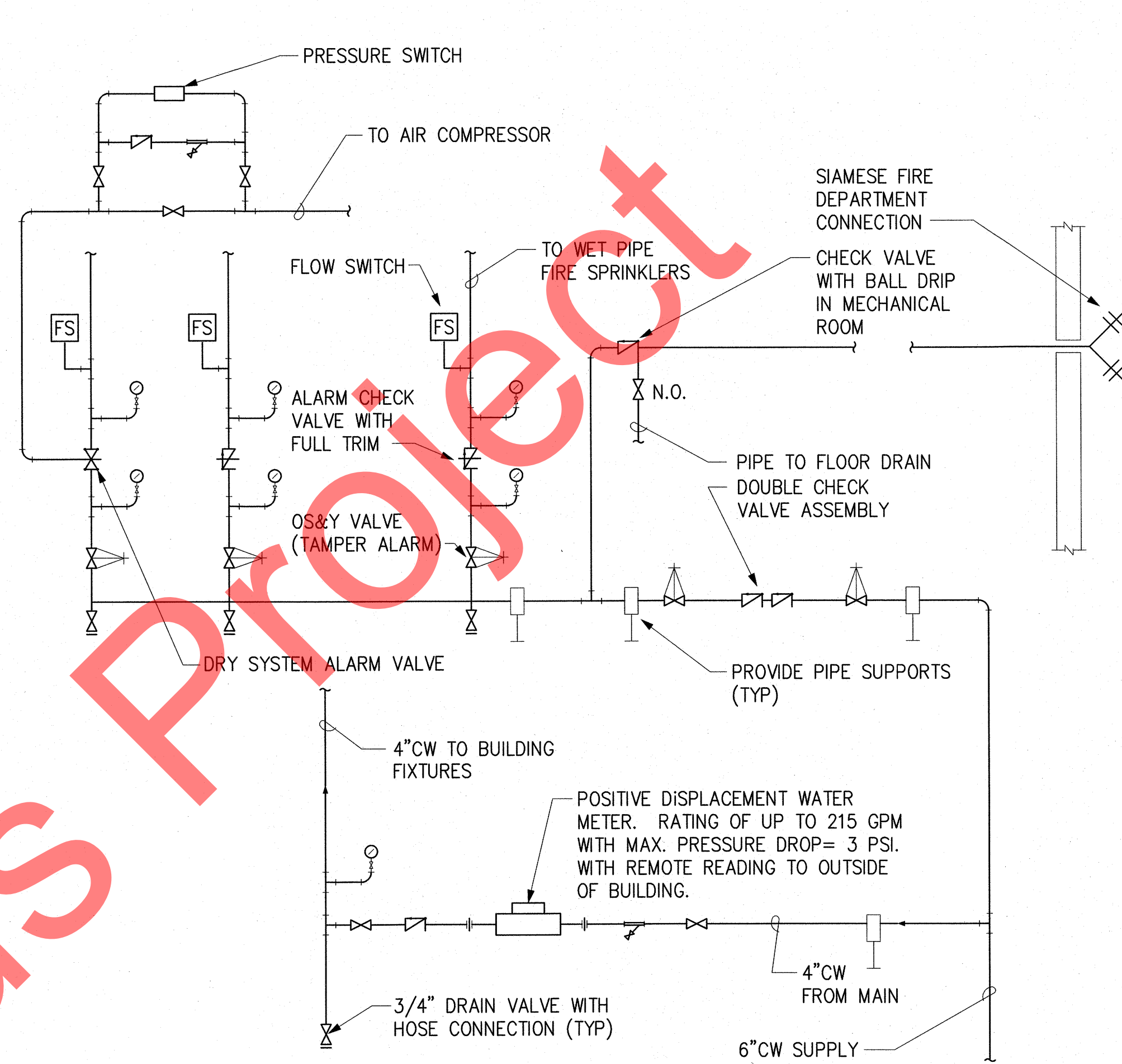
SHEET TITLE:
MECHANICAL DETAILS

SHEET NO.

M7.1



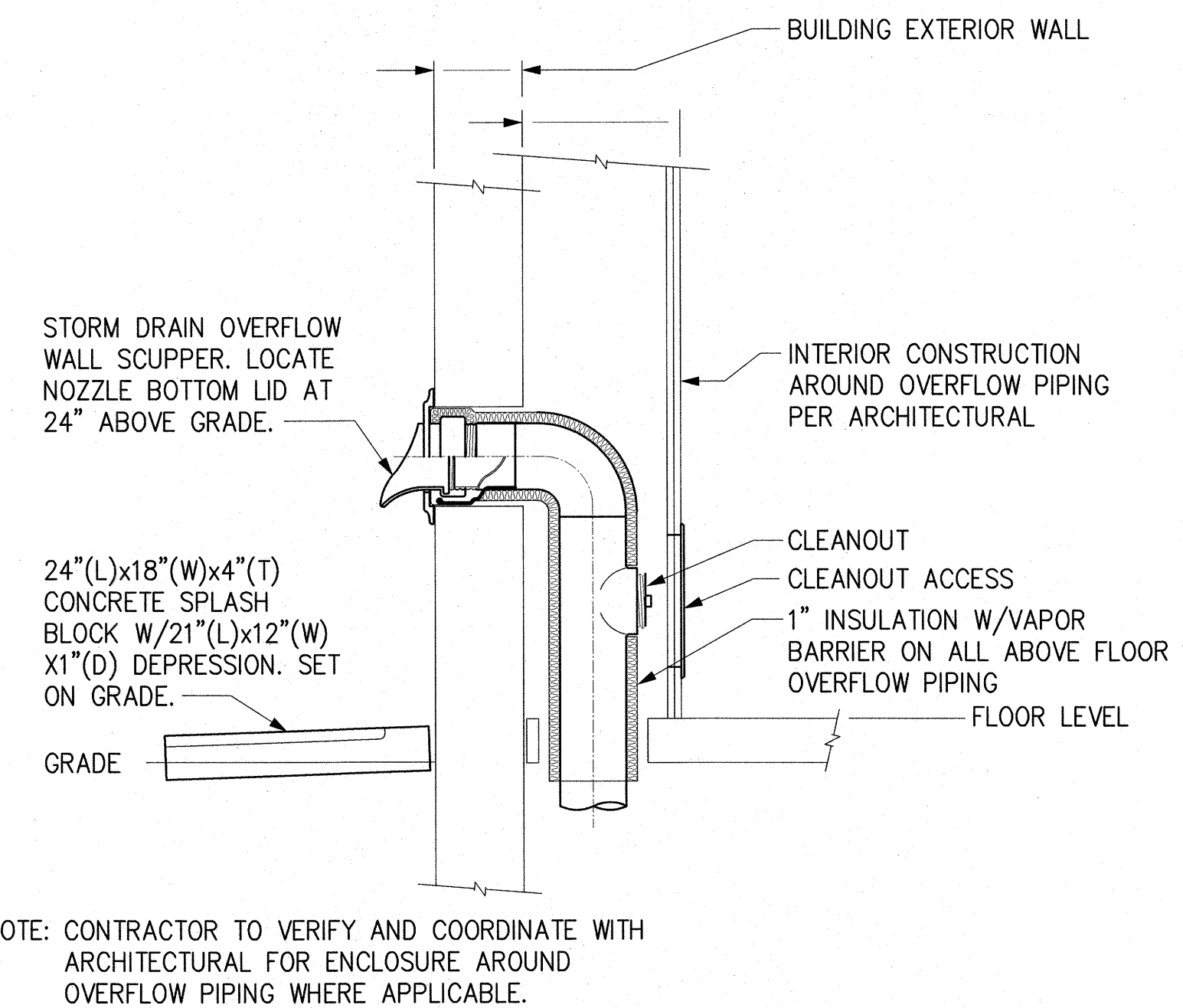
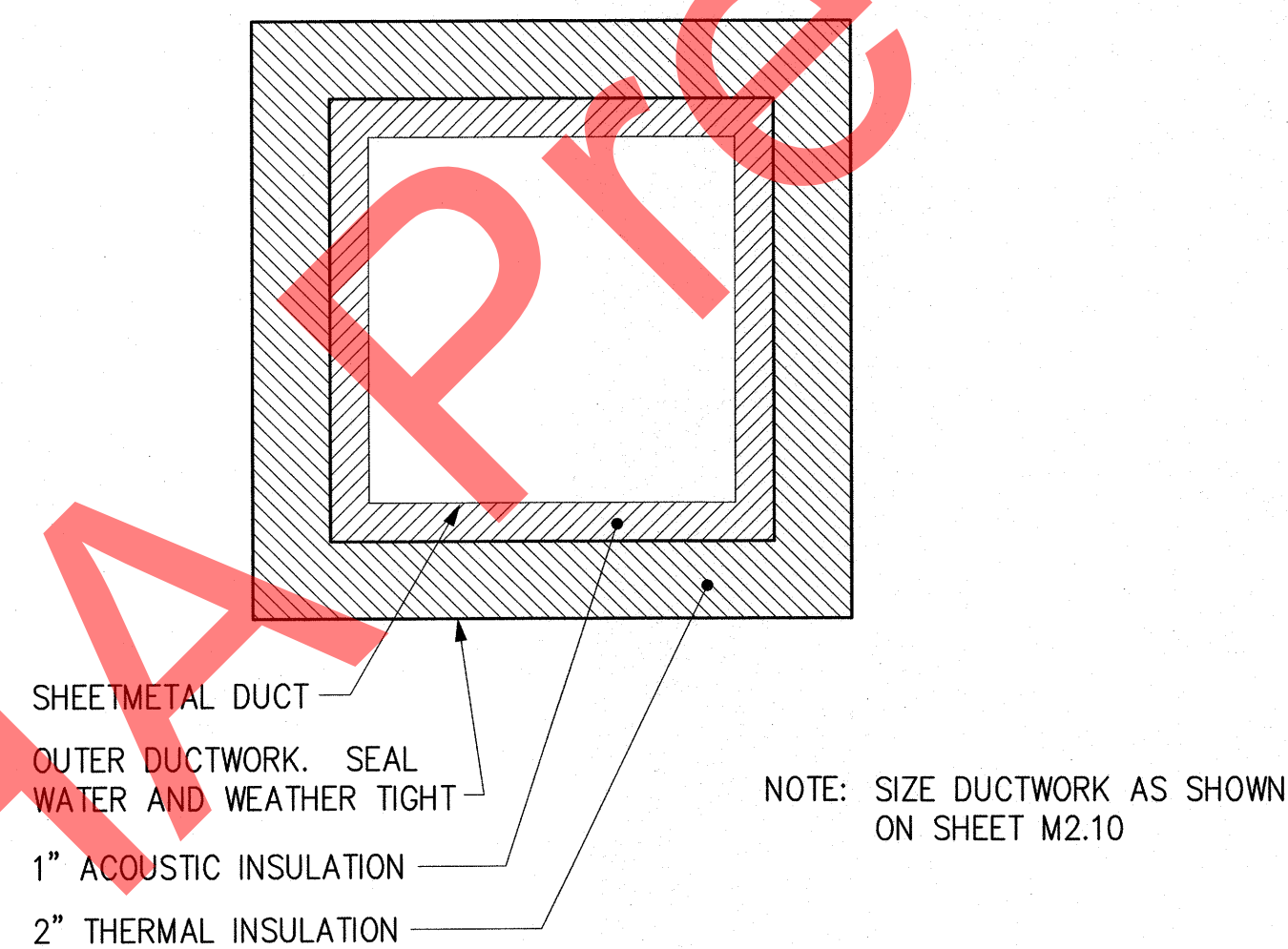
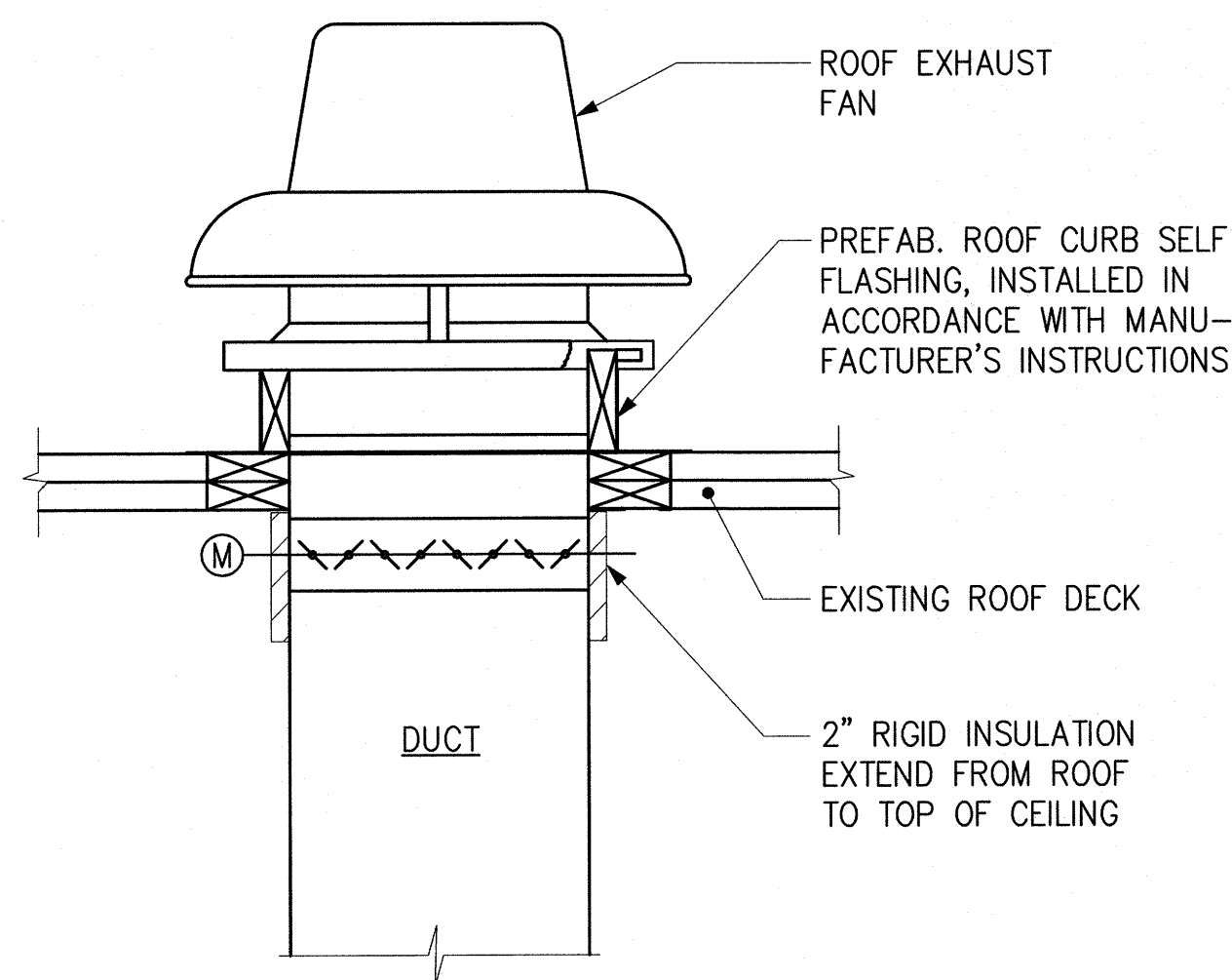
NOTE: PIPES SHALL BE THE SAME AS RUNOUT PIPING TO RESPECTIVE COILS SHOWN ON FLOOR PLANS.



1 TYPICAL CABINET UNIT HEATER DETAIL
SCALE: NONE

2 UNIT HEATER, UH-1 DETAIL
SCALE: NONE

3 WATER METER/SPRINKLER PIPING DETAIL
SCALE: NONE

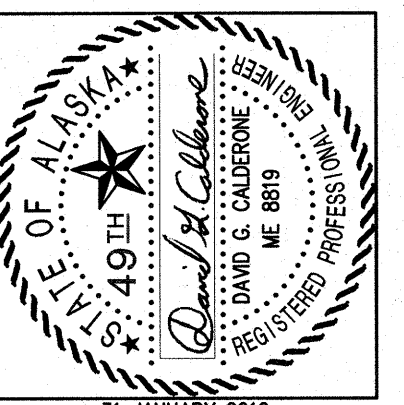


NOTE: CONTRACTOR TO VERIFY AND COORDINATE WITH ARCHITECTURAL FOR ENCLOSURE AROUND OVERFLOW PIPING WHERE APPLICABLE.

4 EXHAUST FAN MOUNTING DETAIL
SCALE: NONE

5 ROOF TOP EXTERIOR DUCTWORK DETAIL
SCALE: NONE

6 WALL SCUPPER DETAIL
SCALE: NONE



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Rohde
associates architects
planning design build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 746-2662
architects@rohdeandassociatesinc.com

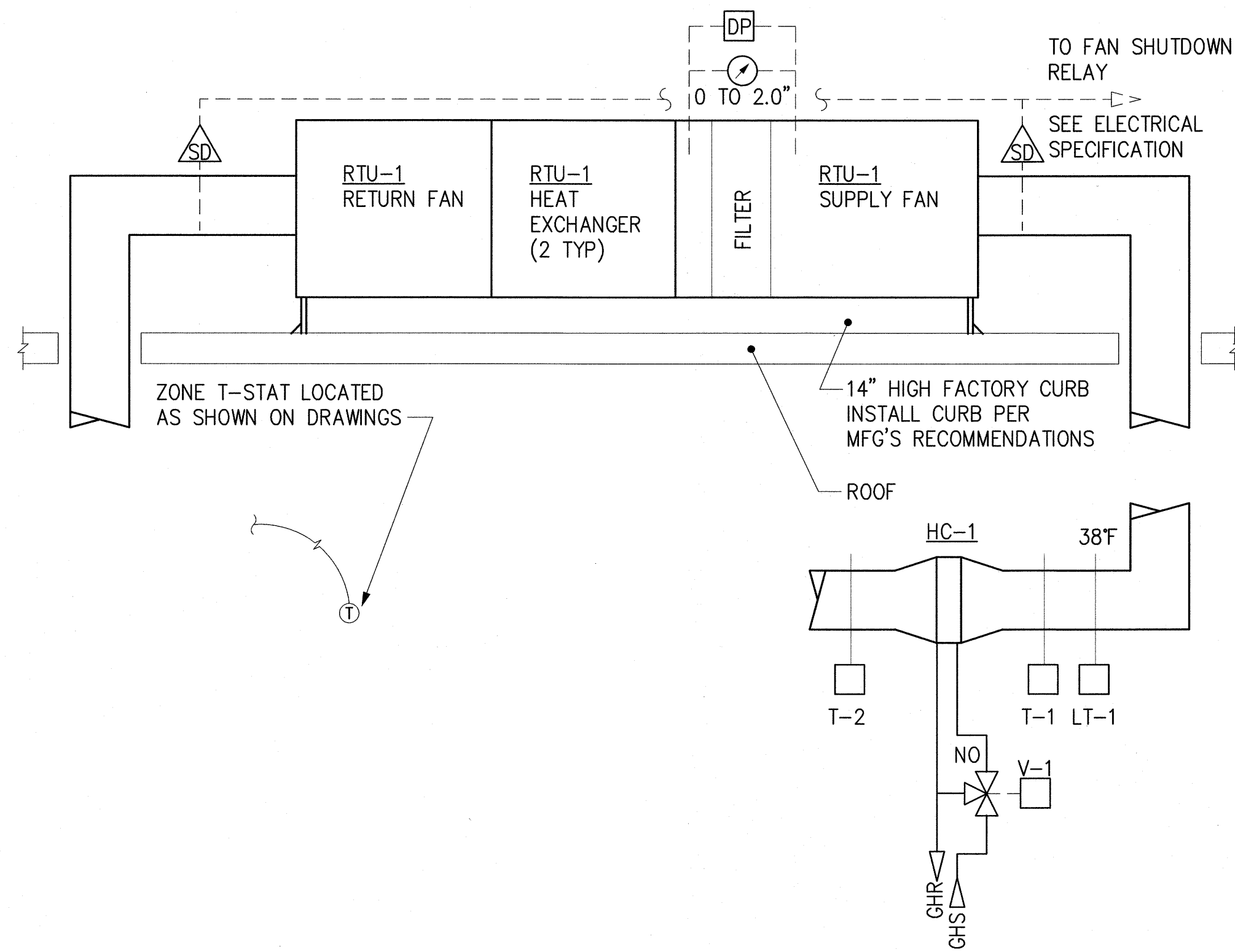
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SEQUENCE OF OPERATION:

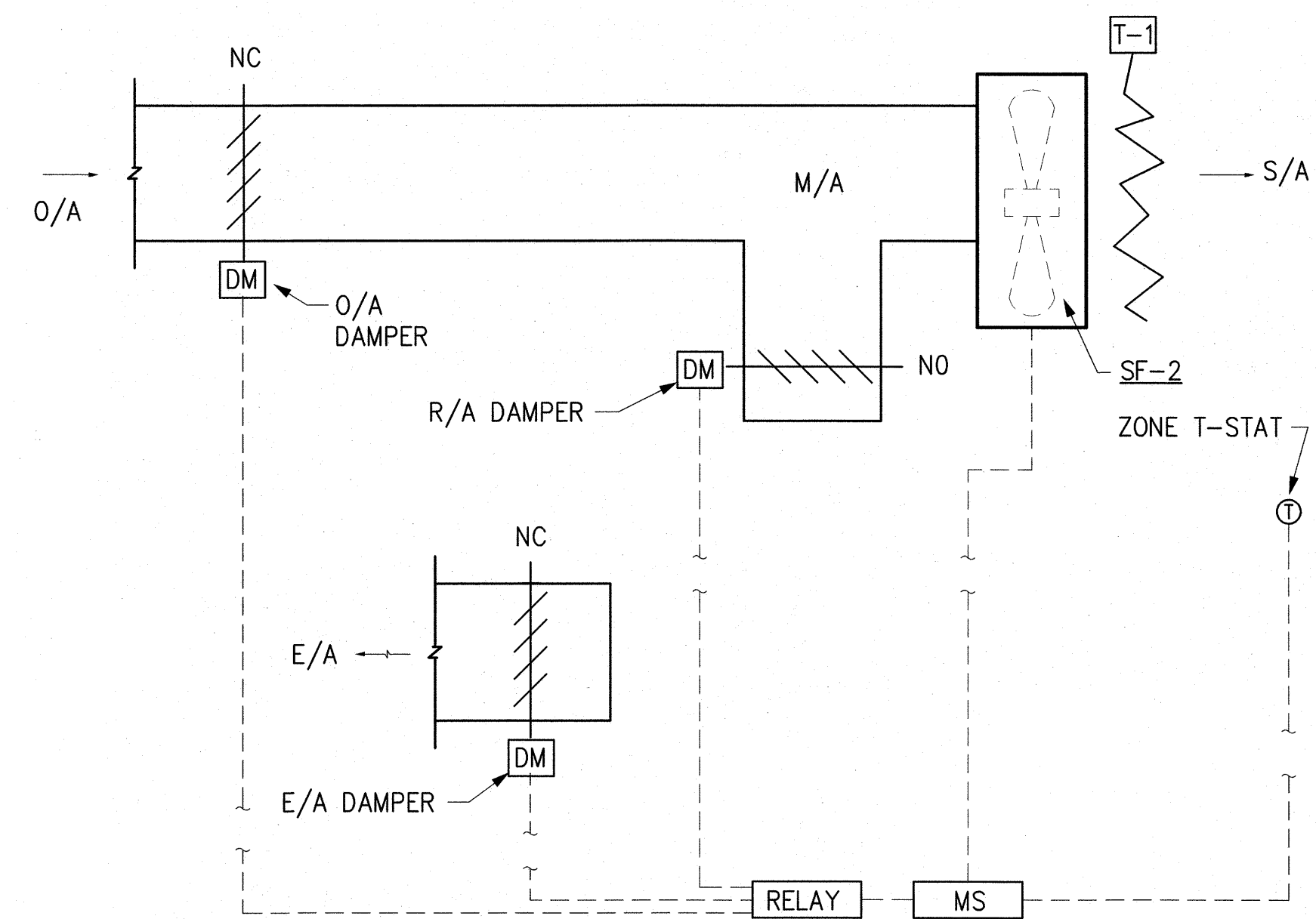
1. INTEGRAL UNIT CONTROLS SHALL CYCLE HEAT TRANSFER PLATES TO PREHEAT SUPPLY AIR.
2. SUPPLY AIR TEMPERATURE SHALL BE MAINTAINED AT 65°F (ADJUSTABLE) BY MODULATING THE 3-WAY HEATING COIL VALVE SERVING HC-1
3. SUPPLY AIR TEMPERATURE SHALL HAVE AN OVERRIDE BASED ON THE THERMOSTAT LOCATED IN THE FIRST FLOOR OFFICE, TO MAINTAIN OFFICE AT SETPOINT TEMPERATURE.
4. SUPPLY AIR AND RETURN AIR SMOKE DETECTORS SHALL SHUT DOWN THE UNIT UPON DETECTION OF SMOKE.
5. A LOW TEMPERATURE SENSOR, LOCATED IN THE S/A DUCT INSIDE THE BUILDING, SHALL STOP THE FAN AT 38°F (ADJUSTABLE). AUTOMATIC RESET AND RESTART IS REQUIRED.

1 RTU-1 CONTROLS
SCALE = NONE

2 EXHAUST FAN EF-3 CONTROLS
SCALE = NONE

SEQUENCE OF OPERATION (EF-3)

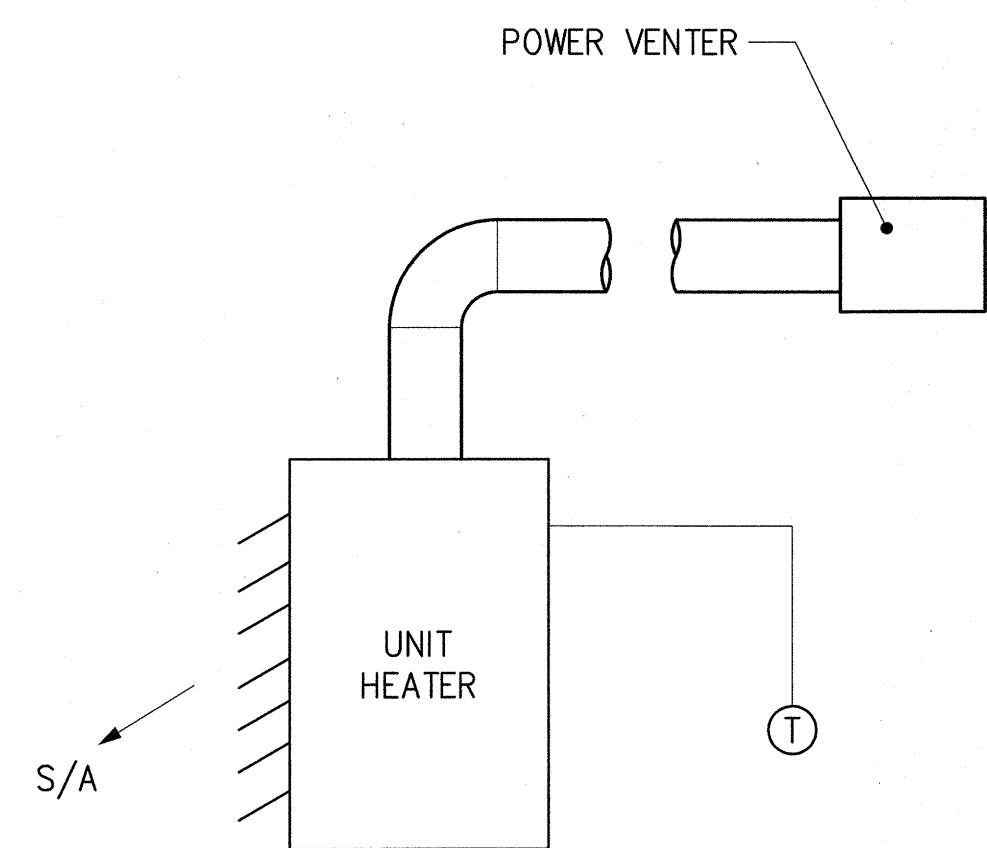
1. EF-1 IS INTERLOCKED WITH RTU-1. WHENEVER THE ROOF TOP UNIT IS ENERGIZED, EF-1 SHALL BE ENERGIZED.
2. MOD SHALL FULLY OPEN BEFORE FAN STARTS AND SHALL NOT CLOSE UNTIL FAN IS OFF.



SEQUENCE OF OPERATION (SF-2)

1. WHEN THE SPACE TEMPERATURE IS 80°F (ADJUSTABLE) OR ABOVE AS SENSED BY THE ZONE THERMOSTAT, FAN SF-2 SHALL ENERGIZE AND THE E/A, O/A AND R/A DAMPERS SHALL MODULATE TO MAINTAIN A S/A TEMPERATURE OF 55°F AS SENSED BY DUCT SENSOR T-2.
2. WHEN THE ZONE TEMPERATURE SETPOINT IS MET, THE FAN SHALL DE-ENERGIZE AND THE O/A AND E/A DAMPERS SHALL CLOSE. THE R/A DAMPER SHALL OPEN.

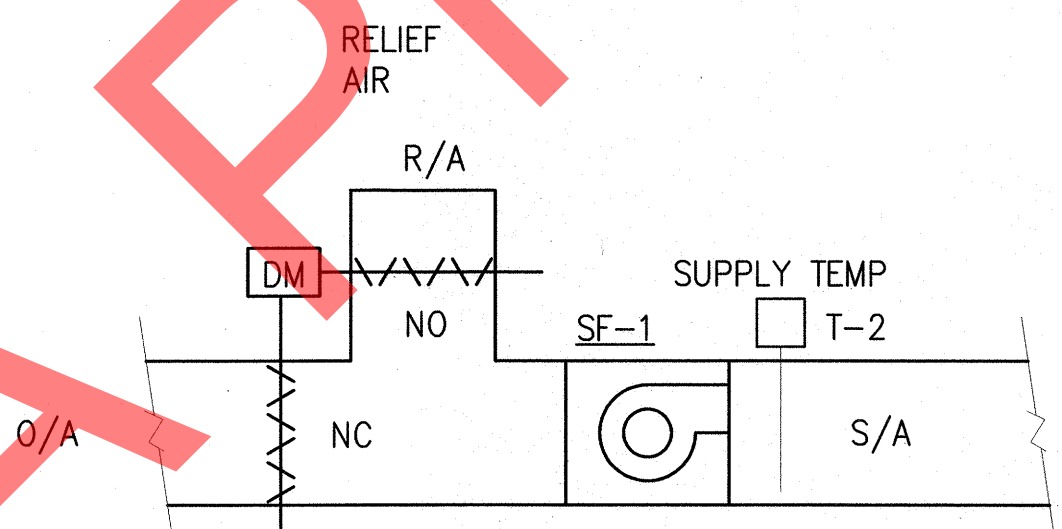
5 ELEVATOR MACH. RM. FAN CONTROLS
SCALE = NONE



SEQUENCE OF OPERATION

1. UNIT SHALL BE SUPPLIED LOW VOLTAGE T-STAT. STANDARD FAN ON-OFF CONTROL.
2. POWER VENTER SHALL BE INTERLOCKED WITH THE UNIT HEATER TO ENSURE THAT THE PROPER DRAFT IS ACHIEVED BEFORE THE APPLIANCE BURNER IS ACTIVATED.

3 OIL FIRED UNIT HEATER CONTROL
SCALE = NONE

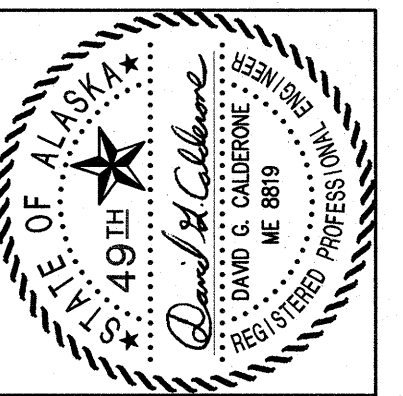


SEQUENCE OF OPERATION

1. ROOM SENSOR, T-1, STARTS SF-1, AND OPENS RELIEF AIR DAMPER, WHENEVER ROOM TEMPERATURE IS ABOVE SETPOINT, 85°F (ADJUSTABLE). SUPPLY AIR TEMPERATURE SENSOR MODULATES THE MIXING DAMPERS TO MAINTAIN 55°F (ADJUSTABLE) SUPPLY AIR. WHEN ROOM TEMPERATURE IS BELOW SETPOINT, SF-1 SHALL BE DE-ENERGIZED, RELIEF AIR DAMPER SHALL CLOSE, AND THE MIXING DAMPERS SHALL RETURN TO THEIR NORMAL POSITION.
2. TWO SMOKE DETECTORS, ONE IN S/A DUCT AND ONE IN R/A DUCT SHALL SHUT DOWN FAN ON DETECTOR ACTIVATION, PROVIDE INTERTIE AT FIRE ALARM PANEL.

4 BOILER ROOM VENTILATION CONTROLS
SCALE = NONE

IF THIS SHEET IS LESS THAN: 22"x34" IT IS A REDUCED PRINT
DO NOT SCALE DIMENSIONS FROM BLUEPRINTS



Rohde & Associates Architects
planning design/build
11925 Old Chain Hwy., Suite 201, Eagle River, AK 99577
PH: (907) 968-2966 FAX: (907) 968-2966
arohde@rohdeandassociatesinc.com

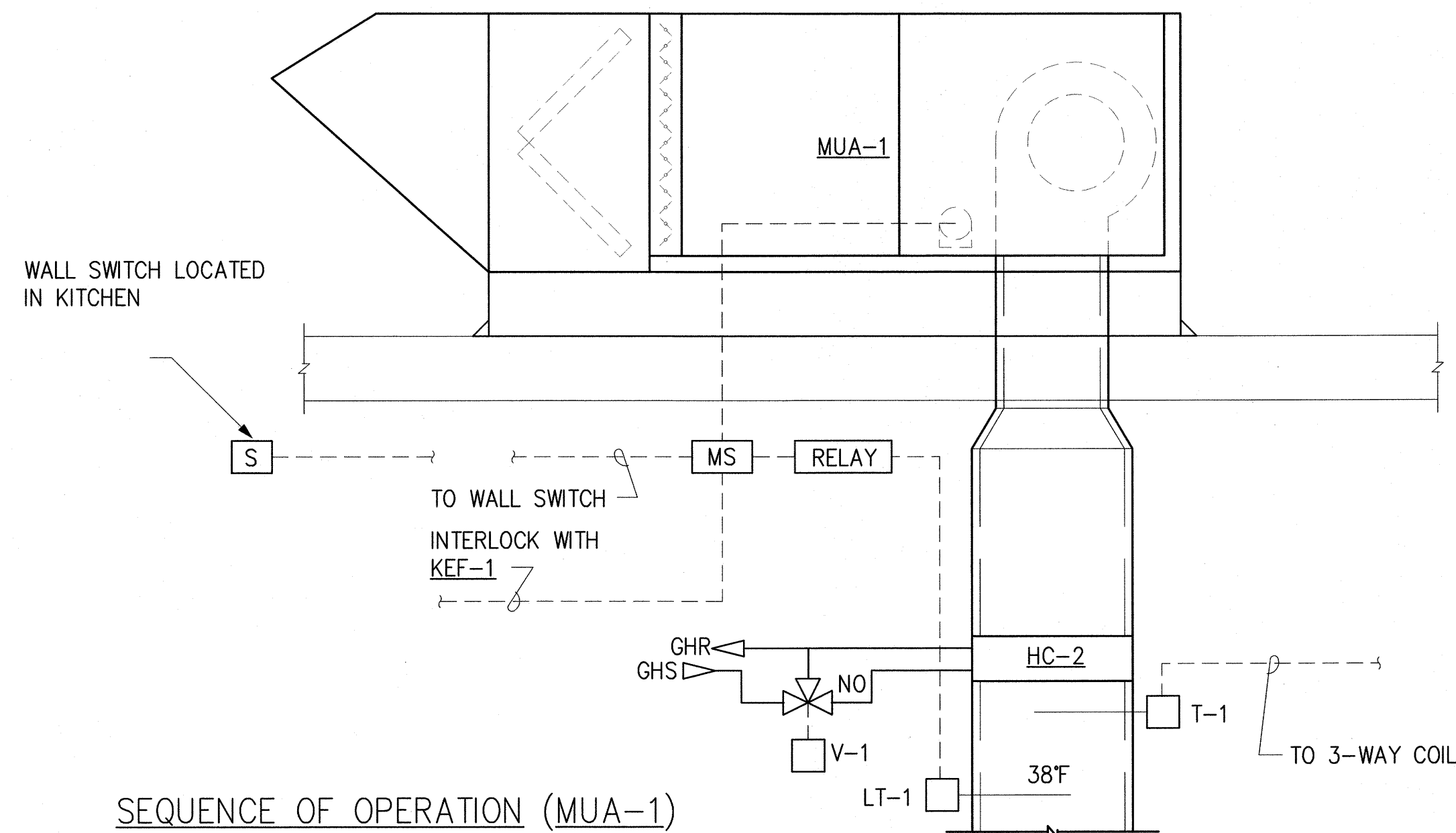
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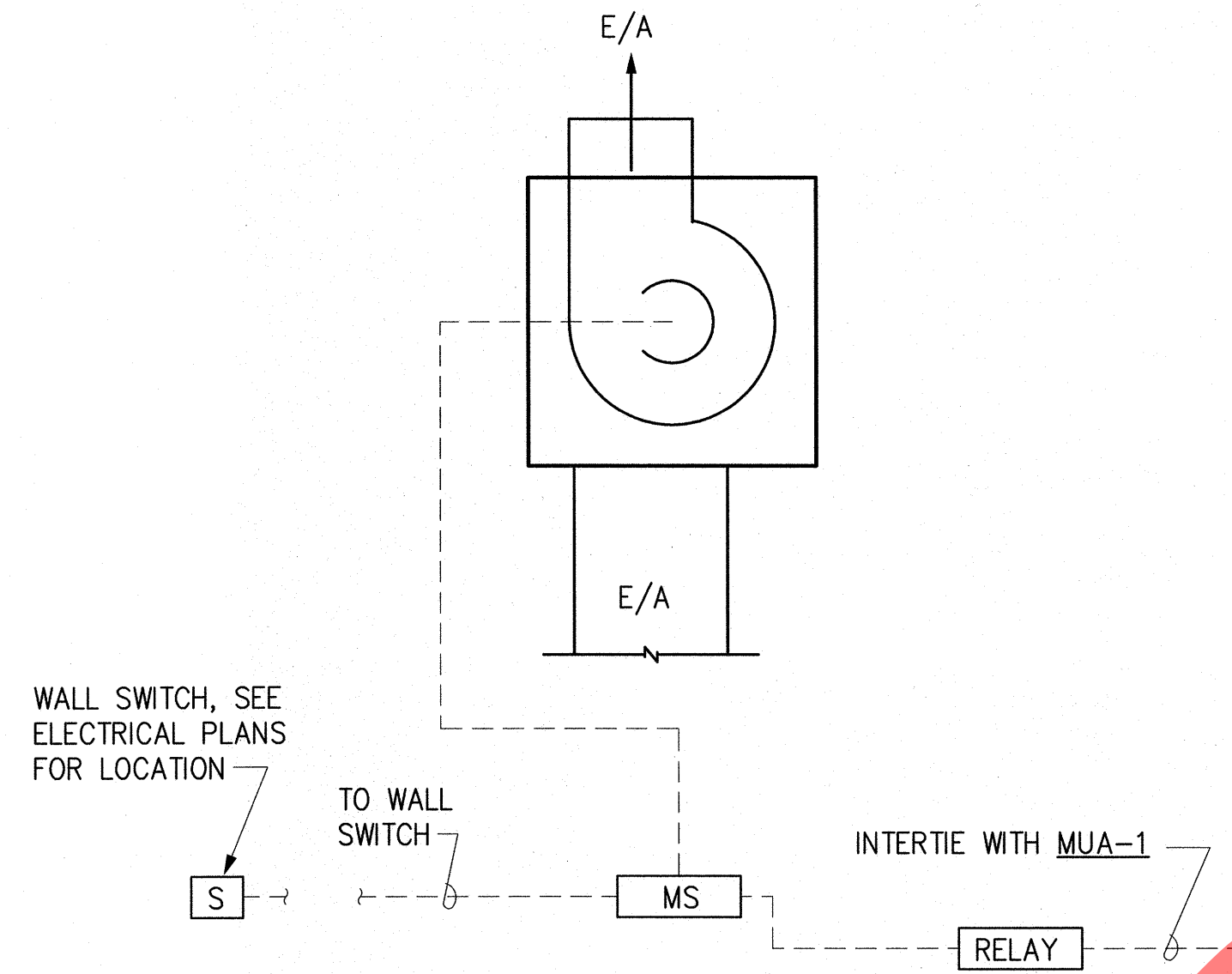
SHEET NO.
M9.1



SEQUENCE OF OPERATION (MUA-1)

- FAN SHALL OPERATE FROM WALL SWITCH. MUA-1 SHALL BE INTERLOCKED WITH KEF-1.
- ENERGIZED MODE:**
WHEN FAN IS ENERGIZED, THE OUTSIDE AIR DAMPER SHALL OPEN 100%. DISCHARGE TEMPERATURE SENSOR, T-1, SHALL MODULATE 3-WAY COIL VALVE TO MAINTAIN 65°F (ADJUSTABLE) SUPPLY AIR.
- DE-ENERGIZED MODE:**
WHEN THE FAN IS DE-ENERGIZED, THE O/A DAMPER AT THE UNIT CLOSES.
- SENSOR LT-1 IN FAN DISCHARGE, THROUGH A RELAY, SHALL STOP THE FAN AT 38°F (ADJUSTABLE), AUTOMATIC RESET AND RESTART ARE REQUIRED.

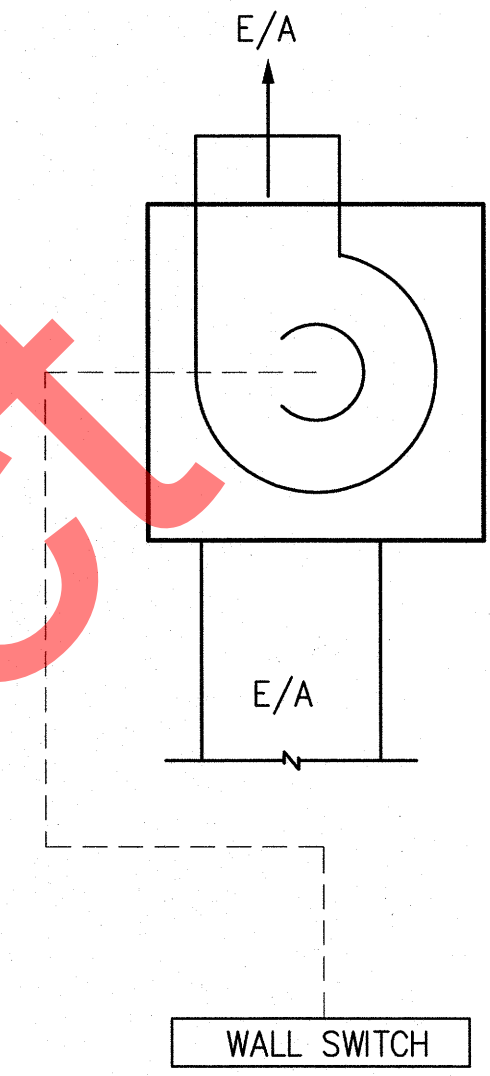
1 MAKE UP AIR UNIT, MUA-1, CONTROLS
SCALE = NONE



SEQUENCE OF OPERATION (KEF-1)

- WHEN AN EXHAUST FAN IS ENERGIZED, FROM WALL SWITCH, THE EXHAUST FAN SHALL START.
- WHEN AN EXHAUST FAN IS DE-ENERGIZED, FROM THE WALL SWITCH, EXHAUST FAN SHALL STOP
- KEF-1 SHALL BE INTERLOCKED TO MUA-1.
- UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM EXHAUST FANS SHALL REMAIN OPERATING

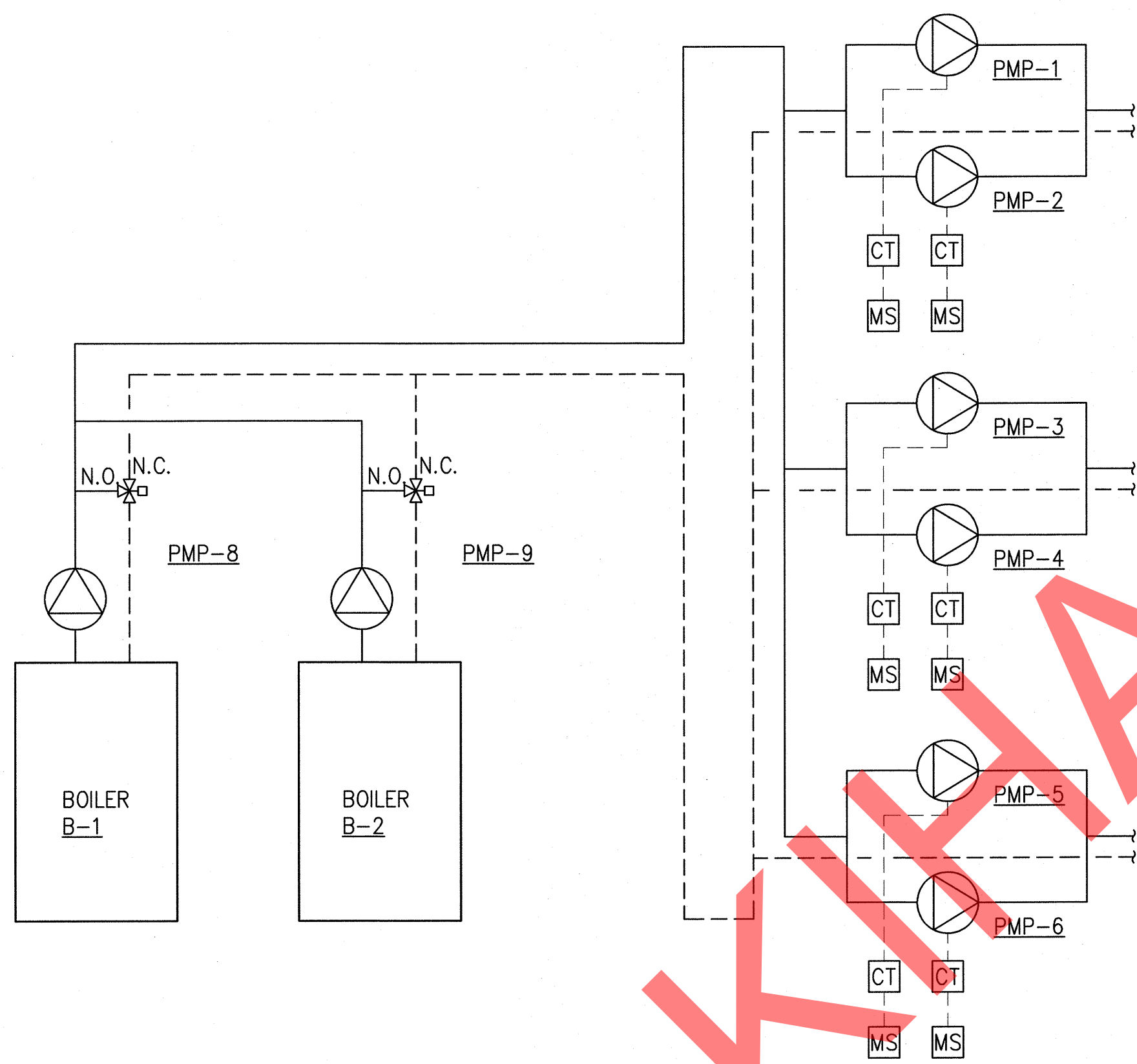
2 KITCHEN EXHAUST FAN CONTROLS
SCALE = NONE



SEQUENCE OF OPERATION (EF-2)

- EXHAUST FAN, EF-2, SHALL OPERATE FROM A WALL SWITCH.
- INTEGRAL LIGHT SHALL ALSO OPERATE FROM A WALL SWITCH.

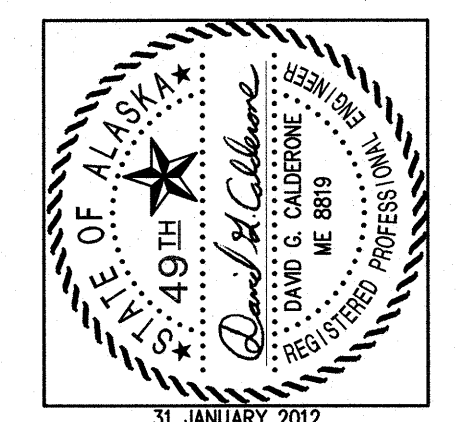
3 EXHAUST FAN EF-2 CONTROLS
SCALE = NONE



SEQUENCE OF OPERATION:

- PACKAGED BOILER CONTROLS SHALL FIRE BOILERS IN SEQUENCE TO MAINTAIN 180°F GLYCOL/WATER SUPPLY TEMPERATURE AT THE BOILER HEADER. BOILERS SHALL OPERATE FROM BOILER CONTROLS.
- LEAD/LAG PUMPS, PMP-1 & PMP-2, AND PMP-3 & PMP-4, AND PMP-5 & PMP-6, SEQUENCING SHALL BE DICTATED BY THE CONTROL SYSTEM. LEAD PUMP OPERATES CONTINUOUSLY. ON LEAD PUMP FAILURE AS SENSED BY THE CURRENT TRANSFORMER (CT), START A 30 SECOND TIME DELAY (ADJUSTABLE). IF NO FLOW IS SENSED WITHIN THAT TIME FRAME, SIGNAL AN ALARM AND START THE LAG PUMP.
- 3-WAY BYPASS VALVE SHALL MODULATE TO PROVIDE A MINIMUM RETURN TEMPERATURE OF 140°F TO THE BOILER.
- PUMPS PMP-8 & PMP-9 SHALL BOTH OPERATE WHEN ONE OR BOTH BOILERS IS OPERATING

4 BOILER/HYDRONIC PUMP CONTROLS
SCALE = NONE



Rohde
associates architects
planning design/build
architecture
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph: (907) 966-2464
f: (907) 966-2464
arohde@rohdeandassociatesinc.com

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182 ALTIMAK DRIVE
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ELECTRICAL LEGEND

(NOTE: THIS IS A STANDARD LEGEND AND NOT ALL SYMBOLS ARE NECESSARILY USED.)

- EXTERIOR LIGHT FIXTURE, POLE MOUNTED, HEADS AS SHOWN
- HAND HOLE
- ELECTRIC VAULT
- PHOTOCCELL CONTROL
- LUMINAIRE - TYPE AS NOTED ON PLAN
- LUMINAIRE - WALL MOUNTED: TYPE AS NOTED ON PLAN
- LUMINAIRE - EMERGENCY LIGHT
- TRACK LIGHTING - TRACK LENGTH AS SCALED: TYPE AS NOTED ON PLAN
- EMERGENCY LIGHTING UNIT (WALL; CEILING; REMOTE HEAD): TYPE "E", UON
- EMERGENCY BATTERY TO POWER REMOTE HEAD(S): TYPE "ERB", UON
- EXIT SIGN (CEILING; WALL); SHADE DENOTES FACE; ARROWS AS INDICATED; TYPE "X", UON
- SWITCH - SINGLE POLE, SINGLE THROW, UON
- SWITCH - THREE WAY
- SWITCH - FOUR WAY
- SWITCH CONTROL FOR FIXTURES DENOTED WITH "o" APPENDED TO CIRCUIT NUMBER
- SWITCH - LOW VOLTAGE
- SWITCH - ELECTRONIC DIMMER SWITCH COMPATIBLE WITH LIGHT FIXTURE
- SWITCH - KEYED
- SWITCH - PILOT LIGHT
- SWITCH - INTEGRAL MOTOR OVERLOAD
- SWITCH - VARIABLE SPEED CONTROL
- LIGHT CONTROL OCCUPANCY SENSOR - WALL SWITCH BOX MOUNTED
- LIGHT CONTROL OCCUPANCY SENSOR - CEILING MOUNTED
- POWER DISTRIBUTION PANELBOARD
- METERING DEVICE
- CURRENT TRANSFORMER ENCLOSURE
- POWER PANELBOARD ((NEW - SURFACE; RECESSED), [EXISTING - SURFACE; RECESSED])
- TRANSFORMER: APPROX. PHYSICAL SIZE AS SCALED; ACTUAL RATING AS NOTED ON ONE-LINE DIAGRAMS
- MOTOR CONNECTION
- COMBINATION BATHROOM FAN/LIGHT: TYPE AS NOTED ON PLAN
- NON-FUSED SAFETY SWITCH
- FUSED SAFETY SWITCH
- ENCLOSED CIRCUIT BREAKER SWITCH
- MOTOR STARTER
- COMBINATION MOTOR STARTER SAFETY SWITCH
- PUSH BUTTON CONTROL STATION
- JUNCTION BOX OR EQUIPMENT CONNECTION - FLEX OR RECEPTACLE AS REQUIRED (CEILING; WALL; FLOOR)
- POWER CONNECTION TO FSD CONTROLLED BY FIRE ALARM SYSTEM
- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE - SPLIT WIRED FOR SWITCH CONTROL OF LOWER OUTLET
- DUPLEX RECEPTACLE - GFCI PROTECTED
- DUPLEX RECEPTACLE - GFCI PROTECTED MOUNTED +48" AFF
- DUPLEX RECEPTACLE - GFCI PROTECTED MOUNTED ABOVE COUNTERTOP
- DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTERTOP
- DUPLEX RECEPTACLE - FLOOR MOUNTED FIRE RATED POKE THROUGH, UON
- DOUBLE DUPLEX RECEPTACLE - FLOOR MOUNTED FIRE RATED POKE THROUGH, UON
- RECEPTACLE - PENDANT MOUNTED FROM CEILING
- RECEPTACLE - FLUSH MOUNTED IN CEILING
- DRYER RECEPTACLE - 30A, 3 POLE, 4 WIRE NEMA 14-30R
- ELECTRIC RANGE RECEPTACLE - 50A, 3 POLE, 4 WIRE, NEMA 14-50R
- SPECIAL PURPOSE RECEPTACLE - NEMA CONFIGURATION AS NOTED (SURFACE; WALL)
- GROUND CONNECTION POINT
- DUAL CHANNEL SURFACE MOUNTED RACEWAY - LENGTH AS SCALED
- SINGLE CHANNEL SURFACE MOUNTED RACEWAY - LENGTH AS SCALED
- TELECOMMUNICATION OUTLET (WALL; FLOOR)
- TELEPHONE OUTLET
- TELEVISION OUTLET (WALL; CEILING)
- DUAL CHANNEL SERVICE POLE
- TELECOMMUNICATION FLOOR STANDING RACK
- TELECOMMUNICATION WALL MOUNTED RACK
- TELECOMMUNICATION MAIN GROUNDING BUS
- TELECOMMUNICATION GROUNDING BUS
- CONTROL PANEL - TYPE AS NOTED (SURFACE; RECESSED)

- FIRE ALARM CONTROLLED MAGNETIC DOOR HOLDER / RELEASE
- ABORT STATION
- CARBON MONOXIDE DETECTOR
- HEAT DETECTOR - RATE OF RISE
- HEAT DETECTOR - FIXED TEMPERATURE
- SMOKE DETECTOR - PHOTOELECTRIC TYPE
- SMOKE DETECTOR - MULTI-SENSOR TECHNOLOGY TYPE
- SMOKE DETECTOR - DUCT MOUNTED
- SMOKE DETECTOR - BEAM RECEIVER
- SMOKE ALARM, 120VAC, TANDEM WIRED, W/ SOUNDER BASE
- CARBON MONOXIDE ALARM, 120VAC, TANDEM WIRED, W/ SOUNDER BASE
- LINE TYPE HEAT SENSITIVE CABLE DETECTOR
- FIRE ALARM HORN
- FIRE ALARM STROBE
- FIRE ALARM COMBINATION HORN/STROBE
- FIRE ALARM PULL STATION
- FIRE ALARM CONTROL PANEL
- FIRE SYSTEM ANNUNCIATOR PANEL
- HALON CONTROL PANEL
- FIRE ALARM SPEAKER STROBE
- WATER FLOW BELL - 120V CONTROLLED BY FLOW SWITCH
- FIRE ALARM FLOW SWITCH
- FIRE ALARM TAMPER SWITCH
- MICROPHONE INPUT JACK
- MICROPHONE INPUT JACK - FLOOR MOUNTED
- INTERCOM CALL BUTTON
- INTERCOM ADMINISTRATION PHONE
- SPEAKER (WALL; CEILING)
- CLOCK SPEAKER COMBINATION WALL MOUNT UNIT
- CLOCK - WALL MOUNTED
- SECURITY ACCESS CARD READER
- DOOR CONTROL SOLENOID
- DOOR MAGNETIC CONTACT
- SECURITY SYSTEM - GLASS BREAK SENSOR
- SECURITY SYSTEM - MOTION SENSOR
- SECURITY SYSTEM - DOOR POSITION SENSOR
- SECURITY SYSTEM - REQUEST TO EXIT MOTION DETECTOR
- SECURITY SYSTEM - ACCESS KEY PAD
- SECURITY SYSTEM - MOTION SENSOR - NARROW PATTERN
- SECURITY SYSTEM - CAMERA
- ACCESS PANEL
- LINETYPE DENOTING CABLE TRAY
- LINETYPE/LINEWEIGHT DENOTING FUTURE WORK
- LINETYPE/LINEWEIGHT DENOTING EXISTING WORK TO REMAIN
- LINETYPE/LINEWEIGHT DENOTING NEW WORK
- LINETYPE/LINEWEIGHT DENOTING DEMO WORK
- DENOTES AVAILABLE FAULT CURRENT

EQUIPMENT TAG LEGEND

- LUMINAIRES**
 - LUMINAIRE TYPE (UNDERLINED)
 - THE NUMBER IN BRACKETS INDICATES HOW MANY TYPICAL LUMINAIRES OF THIS TYPE ARE IN THIS AREA
 - CIRCUIT AND SWITCHLEG
 - PANEL
 - TYPICAL LUMINAIRE
- CONTROL SWITCHES**
 - LOWER CASE LETTER DENOTES SWITCH LEG FOR CORRESPONDING LUMINAIRE CONTROL
 - UPPERCASE LETTER OR NUMBER DENOTES SWITCH CONFIGURATION
- EQUIPMENT CONNECTIONS**
 - EQUIPMENT ID (UNDERLINED)
 - REFER TO EQUIPMENT CONNECTION SCHEDULE FOR REQUIREMENTS
 - TYPICAL EQUIPMENT (MOTOR STARTER SHOWN)
 - CIRCUIT NUMBER(S)
 - PANEL
- RECEPTACLES**
 - MOUNTING HEIGHT AFF
 - PANEL
 - CIRCUIT NUMBER(S)
 - NEMA CONFIGURATION FOR SPECIAL RECEPTACLES (UNDERLINED)

GENERAL NOTES

- ALL ELECTRICAL WORK MUST BE INSTALLED IN STRICT ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE AMENDMENTS.
- MATERIALS AND EQUIPMENT SHALL BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED. ALL ELECTRICAL EQUIPMENT SHALL INCLUDE THE SEAL OF A NATIONALLY RECOGNIZED TESTING LABORATORY FOR THE PURPOSE FOR WHICH IT IS INSTALLED.
- COORDINATE AND PROVIDE THE EQUIPMENT RATED FOR THE AVAILABLE FAULT CURRENT DENOTED ON THE ONE-LINE DIAGRAM AND PANEL SCHEDULES.
- FIXTURE AND EQUIPMENT SCHEDULES ON THE DRAWINGS DENOTING CAPACITIES, RATINGS, SIZES, ETC., SHOWN ARE THE MINIMUM ACCEPTABLE AND MAY NOT NECESSARILY CORRESPOND WITH CATALOG RATINGS OR EQUIPMENT SPECIFIED.
- WORKMANSHIP IS CONSIDERED IMPORTANT AND IS SUBJECT TO APPROVAL. EMPLOY WORKMEN SKILLED IN THE TRADE AND FAMILIAR WITH PARTICULAR TECHNIQUES APPLICABLE TO VARIOUS SECTIONS OF WORK.
- PROVIDE ALL MATERIALS TO CONFORM WITH APPLICABLE INDUSTRY STANDARDS AND UNDERWRITERS LABORATORIES STANDARDS. WHENEVER POSSIBLE, SIMILAR ITEMS SHALL BE SUPPLIED BY THE SAME MANUFACTURER THROUGHOUT THE PROJECT.
- CONCEAL ALL ELECTRICAL RACEWAYS, BOXES, CABLING, CONDUCTORS AND THE LIKE IN WALLS, ABOVE FINISHED CEILING SPACES. ELECTRICAL EQUIPMENT AND WIRING CAN BE EXPOSED IN MECHANICAL ROOMS, AND TELECOMMUNICATION ROOMS.
- DO NOT ROUTE RACEWAYS ON THE EXTERIOR SURFACE OF THE BUILDING OR THE ROOF UNLESS SPECIFICALLY NOTED OTHERWISE.

MOUNTING HEIGHT SCHEDULE

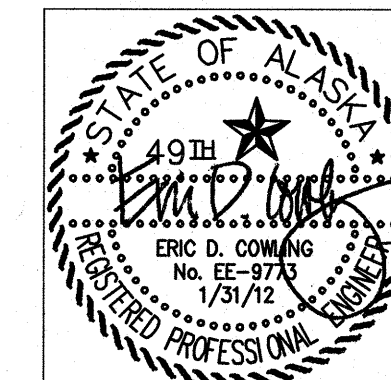
PANELBOARDS (TOP)	72"
SPECIAL SYSTEM PANELS (TOP)	72"
POWER METER BASE (CENTER LINE OF SOCKET)	PER UTILITY
CONTACTORS, MOTOR STARTERS, DISCONNECT SWITCHES (TOP)	66"
RECEPTACLES IN OFFICE AREAS	18"
RECEPTACLES LOCATED IN HAZARDOUS OR S-2 OCCUPANCIES	24" MINIMUM
RECEPTACLES IN NON-FINISHED AND MECHANICAL SPACES	46"
ABOVE COUNTER DEVICES (DENOTED "AC" OR BY SYMBOL)	SEE NOTES
WALL MOUNTED SWITCHES	46"
TELECOMMUNICATION OUTLETS (WALL MOUNTED DENOTED "W")	18" (WALL MOUNTED 54")
CLOCK OUTLETS	80" TO BOTTOM
HORNS/STROBES/HORN STROBES/DOORBELL RINGER	80" TO BOTTOM
PULL STATIONS, PUSH BUTTONS, DOORBELL PUSHBUTTON	46"

NOTES:

- COORDINATE AND INSTALL ALL EQUIPMENT AND DEVICES WITH THE ARCHITECTURAL PLANS AND ANY SPECIFICALLY DENOTED REQUIREMENTS.
- MOUNTING HEIGHTS SHALL PREVAIL UNLESS OTHERWISE NOTED OR FIELD CONDITIONS REQUIRE DEVIATION.
- MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED.
- COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS DENOTED AS ABOVE COUNTER TO BE INSTALLED 6" ABOVE COUNTERS OR BACKSPASHES, WHICHEVER IS HIGHER.

ABBREVIATIONS

(E)	EXISTING
A	AMPERES
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPS INTERRUPTING CAPACITY
C	CONDUIT OR CELSIUS
CAT	CATEGORY
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
(D)	DEMOLISH
DISC	DISCONNECT
EGC	EQUIPMENT GROUNDING CONDUCTOR
F	FAHRENHEIT
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FHP	FRACTIONAL HORSEPOWER
FLA	FULL LOAD AMPS
FSD	FIRE SMOKE DAMPER
FT	FEET
FU	FUSE
G	GROUND FAULT CIRCUIT INTERRUPTER
GEC	GROUNDING ELECTRODE CONDUCTOR
HP	HORSEPOWER
ID	IDENTIFICATION
IN	INCHES
KVA	KILOVOLT-AMPERE
KW	KILOWATT
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MDP	MAIN DISTRIBUTION PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MFS	MAXIMUM FUSE SIZE
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
P	POLES
PC	PHOTO CELL
PH, Ø	PHASE
PNL	PANEL
PRI	PRIMARY
REC	RECEPTACLE
(R)	RELOCATED
RIB	RELAY IN A BOX (MOTOR RATED)
SCCR	SHORT CIRCUIT CURRENT RATING
SE	SERVICE ENTRANCE RATED
SEC	SECONDARY
SSEBJ	SUPPLY SIDE EQUIPMENT BONDING JUMPER
SVC	SERVICE
TELECOM	TELECOMMUNICATION
TGB	TELECOMMUNICATION GROUNDING BUSBAR
TMGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPERES
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS OR WIRE
WG	WIRE GUARD
WP	WEATHERPROOF (NEMA 4 RATED)
XFMR	TRANSFORMER



Rohde
associates architects
architecture planning design/build

1925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 666-2960 fax (907) 666-2962
arohde@rohdeandassociatesinc.com

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182 ALIMAK DRIVE
KODIAK, ALASKA

NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	08/22/11
2	BACKGROUND UPDATE	01/31/12

Reviewed for Code Compliance
City of Kodiak
Building Department
Date: 3/30/12
Reviewed By: *[Signature]*

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ELECTRICAL ENGINEERS

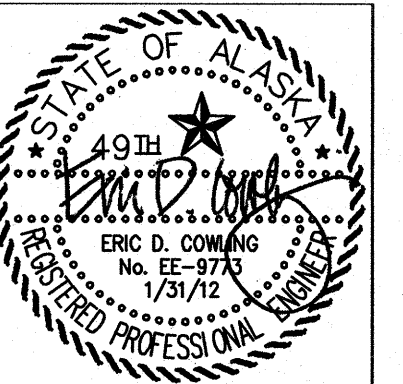
6927 OLD SEWARD HWY., SUITE 200 ANCHORAGE, AK 99518
T 907.349.9712 F 907.349.9713 www.eiceng.com
BC JOB #E10-1322

JOB NO.	1002
DATE	March 11, 2011
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SHEET TITLE:
ELECTRICAL LEGEND AND SCHEDULES

SHEET NO.
E0.1

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Rohde
 associates architects
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 666-2960 fax (907) 666-2962
 arohde@rohdeandassociatesinc.com

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LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMPS	MOUNTING	MANUFACTURER/MODEL	NOTES
A	LIVING/BEDROOM RESIDENTIAL CEILING MOUNTED FIXTURE	(3) 26W DTT	CEILING SURFACE	LITHONIA FMLR19 3 26 DTT	
B	ABOVE SINK RESIDENTIAL CEILING MOUNTED FIXTURE	(2) 18W DTT	CEILING SURFACE	LITHONIA FMLR14 2 18 DTT	
C	BATHROOM RESIDENTIAL CEILING MOUNTED LIGHT/FAN COMBO	(1) 150W MAX	CEILING SURFACE	SEE MECHANICAL DRAWINGS	
D	BATHROOM VANITY RESIDENTIAL WALL MOUNTED FIXTURE	(2) 28T5	WALL +7'0"	LITHONIA 11804RET5-BN	
E	HALLWAY/ENTRY RESIDENTIAL CEILING MOUNTED FIXTURE	(2) 18W DTT	CEILING SURFACE	LITHONIA FMLR14 2 18 DTT	
F	LENSED RESIDENTIAL 6" DOWNLIGHT	(1) 18W DTT/TRT	CEILING RECESSED	LITHONIA L7XF18T-120 AND 6LD1 LENS	
K	KITCHEN RESIDENTIAL CEILING MOUNTED LINEAR FLOURESCENT FIXTURE	(2) F32T8	CEILING SURFACE	LITHONIA 10642 32 120 GEB10IS	
UC	KITCHEN RESIDENTIAL UNDER COUNTER FIXTURE	(1) F17T8	SURFACE	LITHONIA 2UC-1-17-MVOLT-LP	
B2	2'X2' GRID TROFFER W/ PRISMATIC LENS	(2) F17T8	CEILING GRID	LITHONIA 2GT8-2-17-A12125-MVOLT-GEB10IS	
B2E	IDENTICAL TO TYPE B2 EXCEPT W/ 300 LUMEN BATTERY UNIT	(2) F17T8	CEILING GRID	LITHONIA 2GT8-2-17-A12125-MVOLT-GEB10IS-EL	
CF2	4FT FLUORESCENT STRIP W/ WIRE GUARD	(2) F32T8	CEILING SURFACE	LITHONIA TC-2-32-MVOLT-GEB10IS AND WGCUN	
CF4	8FT FLUORESCENT STRIP W/ WIRE GUARD	(4) F32T8	CEILING SURFACE	LITHONIA TC-2-32-MVOLT-GEB10IS AND WGCUN	
D1	6" FLUORESCENT DOWNLIGHT W/ OPEN REFLECTOR	(1) CF32	CEILING RECESSED	LITHONIA LFN6-1/26-42TRT-F601A-MVOLT	
D1E	IDENTICAL TO TYPE "D1" EXCEPT W/ 1300 LUMEN BATTERY UNIT	(1) CF32	CEILING RECESSED	LITHONIA LFN6-1/26-42TRT-F601A-MVOLT-ELHL	
E3	EMERGENCY LIGHTING UNIT, 6 VOLT, W/ CAPACITY TO POWER REMOTE HEAD & TIME DELAY	(2) 9 W KRYPTON	WALL +7'0"	LITHONIA ELM654 TD	1
ER	ARCHITECTURAL EMERGENCY REMOTE HEAD W/ EXTERIOR RATING	(2) 6W 6V WEDGE XENON	WALL ABOVE DOOR	LITHONIA ELA AFNR DB	
FV3	4 FT FLUORESCENT ENCLOSED GASKETED	(3) F32T8	WALL	LITHONIA DMW-3-32-MVOLT-GEB10IS	
GP2	2'X4' GRID TROFFER W/ PRISMATIC LENS	(2) F32T8	CEILING GRID	LITHONIA 2GT8-2-32-A12125-MVOLT-GEB10IS	
GP2E	IDENTICAL TO TYPE GP2 EXCEPT W/ 1400 LUMEN BATTERY UNIT	(2) F32T8	CEILING GRID	LITHONIA 2GT8-2-32-A12125-MVOLT-GEB10IS-EL14	
LB2	LOW PROFILE ARCHITECTURAL WRAP W/ PRISMATIC LENS	(2) F32T8	CEILING SURFACE	LITHONIA LB-2-32-MVOLT-GEB10IS	
LB2E	IDENTICAL TO TYPE "LB2" EXCEPT W/ 1400 LUMEN BATTERY UNIT	(2) F32T8	CEILING SURFACE	LITHONIA LB-2-32-MVOLT-GEB10IS-EL14	
LB3	LOW PROFILE ARCHITECTURAL WRAP W/ PRISMATIC LENS	(3) F32T8	CEILING SURFACE	LITHONIA LB-3-32-MVOLT-GEB10IS	
MP4	2'X4' MODULAR STEEL W/ PRISMATIC LENS	(4) F32T8	CEILING SURFACE	LITHONIA 2M-4-32-MVOLT-GEB10IS	
MP4E	IDENTICAL TO TYPE MP4 EXCEPT W/ 1400 LUMEN BATTERY UNIT	(4) F32T8	CEILING SURFACE	LITHONIA 2M-4-32-MVOLT-GEB10IS-EL14	
T8	TRACK LIGHTING	NONE	SURFACE CEILING	LITHONIA LT8-WH	
TL	TRACK LIGHTING HEAD	(1) PAR30 75W	SURFACE CEILING	LITHONIA LTC-RNDB-PAR30-MB-WH	
WP2	4 FT FLUORESCENT WALL BRACKET	(2) F32T8	WALL	LITHONIA WP-2-32-MVOLT-GEB10IS	
X	LED EXIT SIGN W/ BATTERY BACKUP	GREEN LED	WALL OR CEILING	LITHONIA LGM-S-W 3-G-120/277-ELN	
XW	LED EXIT SIGN LED W/ POLYCARBONATE ENCLOSURE, WET LABEL, & COLD RATING (-40C)	GREEN LED	WALL OR CEILING	LITHONIA LV-S-AB-1-G-120/277-ELN-CW	
ZC1	EXTERIOR CANOPY HID W/ DROP PRISMATIC LENS	(1) 150W MH	CANOPY	LITHONIA KACM-150M-DPA-TB-SCWA-LPI	2,3
ZP1	POLE MOUNTED AREA LIGHT W/ IES TYPE IV DISTRIBUTION & CUTOFF OPTICS	(1) 250W MH	POLE +17'-0"	LITHONIA KSF1-250M-R4SC-208-SCWA-SP12-LPI+POLE	2,3
ZP2	POLE MOUNTED AREA LIGHT W/ IES TYPE 3 DISTRIBUTION, CUTOFF OPTICS, & 2 HEADS	(2) 250W MH	POLE +17'-0"	LITHONIA (2)KSF1-250M-R3-208-SCWA-SP04-LPI+POLE	2,3
ZP3	POLE MOUNTED AREA LIGHT W/ IES TYPE 3 DISTRIBUTION, CUTOFF OPTICS, W/ HOUSE SHEILD	(1) 250W MH	POLE +17'-0"	LITHONIA KSF1-250M-R3-208-SCWA-SP12-HS-LPI+POLE	2,3
ZW1	WALL MOUNTED SECURITY LIGHT	(1) 50W MH	EXTERIOR WALL +7'	LITHONIA TWS-50M-120	2
ZW2	WALL MOUNTED AREA LIGHT W/ CUTOFF OPTICS	(1) 100W MH	EXTERIOR WALL +10'	LITHONIA WSR-100M-WT-120-LPI	2

STANDARD NOTES
 A) CATALOG NUMBERS ARE FOR GENERAL REFERENCE AND ARE NOT INCLUSIVE OF ALL OPTIONS OR REQUIREMENTS DENOTED ON PLANS AND SPECIFICATIONS.
 B) REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND PROVIDE MOUNTING HARDWARE/FLANGES ETC FOR ALL LUMINAIRES FOR CEILING TYPES SHOWN.
 C) LUMINAIRES NOTED ON THE FLOOR PLANS AS "NL" (NIGHTLIGHT) SHALL BE CONNECTED TO UNSWITCHED POWER CIRCUIT NOTED ON DRAWINGS.
 D) ALL FLUORESCENT BALLASTS TO BE ELECTRONIC WITH LESS THAN OR EQUAL 10% TOTAL HARMONIC DISTORTION.
 E) ALL FLUORESCENT LAMPS TO BE 3500K.
 F) PROVIDE ROUGH SERVICE LAMPS FOR ALL INCANDESCENT LUMINAIRES.
 G) ALL LUMINAIRE POLES TO BE RATED FOR 100MPH WIND WITH 1.3 GUST FACTOR AT LUMINAIRE CONFIGURATION EPA.

REFERENCED NOTES
 1) UNIT SIZED TO OPERATE (3) 12 WATT EMERGENCY REMOTE HEAD FOR 90 MINUTES.
 2) COORDIANTE FIXTURE COLOR WITH ARCHITECT.
 3) PROVIDE DRIVEN PILE LUMINAIRE POLE FOUNDATION WITH 3'-0" ABOVE GRADE CONCRETE PROTECTION BASE FOR OVERALL POLE HEIGHT OF 20'-0" (17'-0" POLE + 3'-0" CONCRETE BASE). LUMINAIRE POLES TO INCLUDE ANCHOR BOLT TRIM COVERS.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

UNIT ID	LOCATION OR FUNCTION	LOAD RATINGS						CONDUCTORS & CONDUIT	NOTES
		KVA	HP	FLA	MCA	MFS	V		
B-1	BOILER		1/3				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
B-2	BOILER		1/3				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
UH-2	UNIT HEATER		1/5				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
PV-1	POWER VENTER			1.3			120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
DT-1	DAY TANK		1/3				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
GT-1	GLYCOL TANK			0.9			120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
SP-1	ELEVATOR 'B' SUMP PUMP		1/3				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
SP-2	ELEVATOR 'A' SUMP PUMP		1/3				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
RTU-1 (SUPPLY)	SUPPLY SIDE ROOF TOP			5			208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
RTU-1 (RETURN)	RETURN SIDE ROOF TOP			1			208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
MUA-1	ROOF TOP		1/2				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
SF-1	MECHANICAL ROOM		1/3				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
SF-2	ELEVATOR ROOM		1/4				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
KEF-1	ROOF TOP		1/2				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
EF-1	UNIT KITCHEN		1/25				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
EF-2	UNIT BATHROOM FAN/LIGHT COMBO	0.035					120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
EF-3	TOILET ROOMS		1/4				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
KSH-1	CAB. UNIT HEATER	0.034					120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
KSH-2	CAB. UNIT HEATER	0.034					120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
CUH-1	CAB. UNIT HEATER		1/15				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
CUH-2	CAB. UNIT HEATER		1/15				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
UH-1	UNIT HEATER	0.009					120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-1	BUILDING HEAT		1.5				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-2	BUILDING HEAT		1.5				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-3	BUILDING HEAT		1.5				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-4	BUILDING HEAT		1.5				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-5	BUILDING HEAT, VENT		1.5				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-6	BUILDING HEAT, VENT		1.5				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-7	HW CIRC		1/25				120	1	(2)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-8	BOILER CIRC		1/5				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.
PMP-9	BOILER CIRC		1/5				208	3	(3)12 AWG, (1)12 AWG EGC, 1/2" C.

STANDARD NOTES
 A) REFER TO FLOOR PLAN DRAWINGS FOR EQUIPMENT TYPE REQUIREMENTS, LOCATIONS AND QUANTITIES.
 B) COORDINATE ALL CONNECTION REQUIREMENTS WITH MECHANICAL AND ACTUAL EQUIPMENT SUPPLIED PRIOR TO ROUGH-IN.

REFERENCED NOTES
 1) CORD AND PLUG CONNECTION.

KITHA Preview

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1	RESPONSE TO COMMENTS	08/22/11
2	BACKGROUND UPDATE	01/31/12

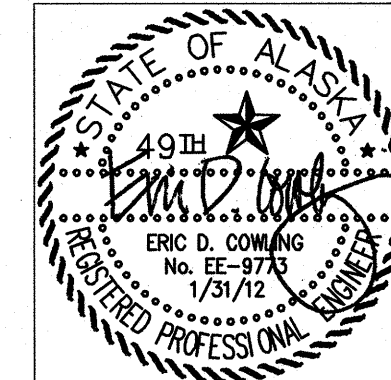
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SHEET TITLE:
ELECTRICAL SCHEDULES

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 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907) 696-2962
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SHEET TITLE:
ELECTRICAL SITE PLAN

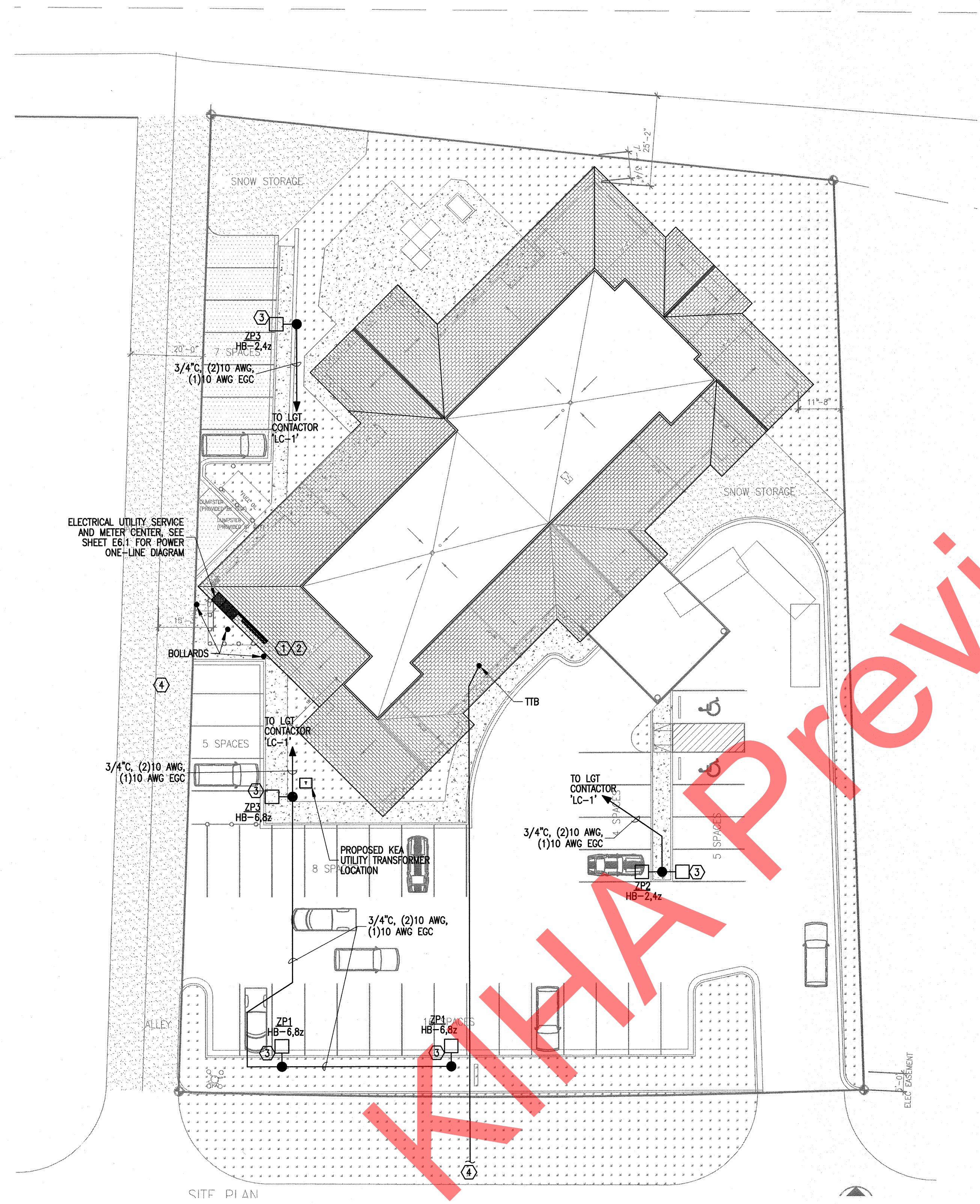
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GENERAL NOTES

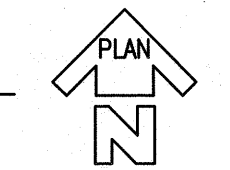
1. PROVIDE DRIVEN PILE FOUNDATIONS AND 3 FT CONCRETE PROTECTION RINGS FOR ALL POLES.
2. SEE BUILDING FLOOR PLANS FOR BUILDING MOUNTED EXTERIOR LIGHTING AND CIRCUITING.

SHEET NOTES

1. COORDINATE NEW ELECTRICAL SERVICE WITH ELECTRIC UTILITY COMPANY STANDARDS.
2. COORDINATE INSTALLATION OF ELECTRICAL SERVICE SWITCHGEAR ON EXTERIOR OF BUILDING WITH ARCHITECTURAL AND LANDSCAPE PLANS. ELECTRICAL CONTRACTOR SHALL COORDINATE DIMENSIONS OF THE ELECTRICAL SERVICE SWITCHGEAR WITH EXTERIOR WALL SPACE PRIOR TO ORDERING EQUIPMENT.
3. PROVIDE 2#10, 1#10 EGC, 3/4" C. MINIMUM FOR POLE MOUNTED AREA LIGHTING CIRCUIT. FIXTURE CONTROLLED BY SITE LIGHTING CONTACTOR "LC-1". SEE DETAIL 1/ES.2 FOR DIAGRAM.
4. PROVIDE (2) 4" C.O. FOR TELEPHONE AND (1) 2" C.O. FOR CABLE ROUTED FROM TTB STUBBED OUT TO PROPERTY LINE. INSTALL PULL STRING AND MARK END OF CONDUITS WITH 2"x4" STAKE. COORDINATE ROUTING WITH THE SERVING CABLE AND TELEPHONE UTILITY COMPANIES. SEE DETAIL 4/ES.2 FOR ADDITIONAL INFORMATION.

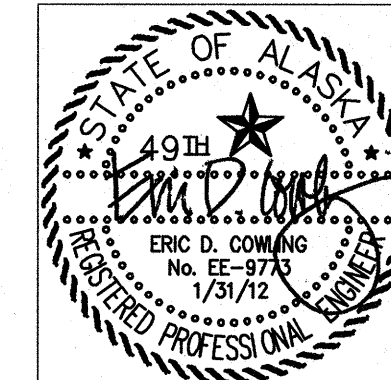


1 ELECTRICAL SITE PLAN
 E1.1 SCALE: 1" = 20'-0"



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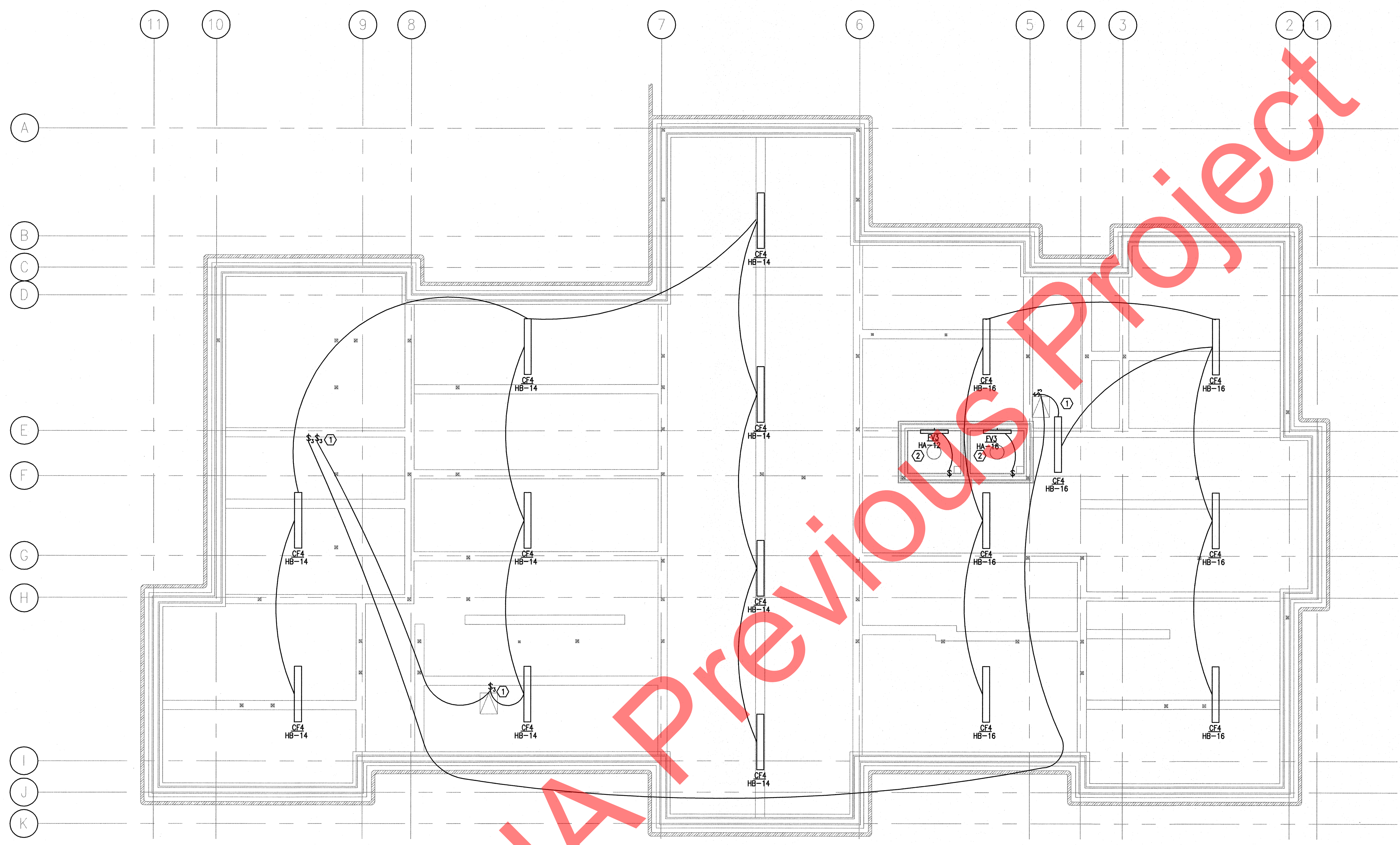
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SHEET TITLE:
 CRAWL SPACE LIGHTING PLAN

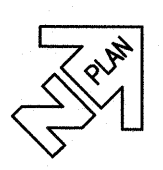
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E2.0



1 CRAWL SPACE LIGHTING PLAN
 E2.0 SCALE: 1/8" = 1'-0"

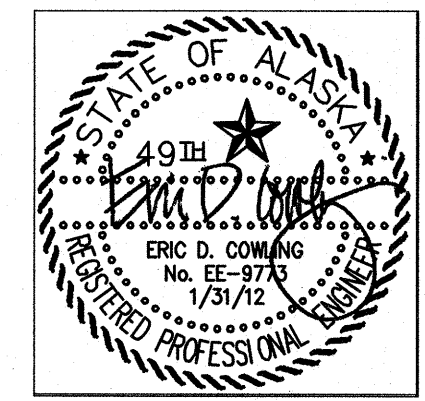
SHEET NOTES

- ① PROVIDE PILOT LIGHT SNAP SWITCH.
- ② ELEVATOR PIT LIGHTING SHALL NOT BE CONNECTED TO LOAD SIDE OF GFCI RECEPTACLE.



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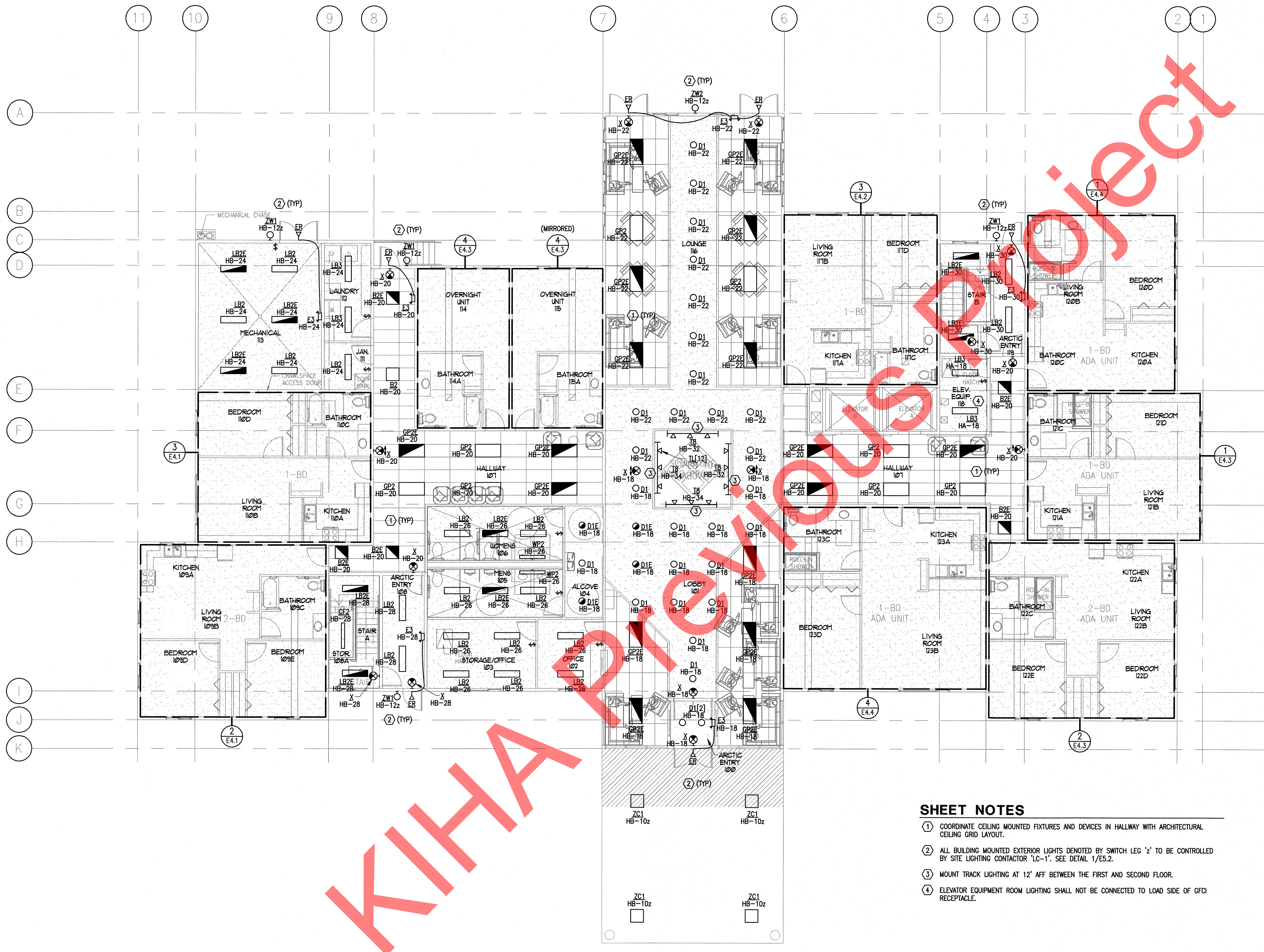
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SHEET TITLE:
 FIRST FLOOR LIGHTING PLAN

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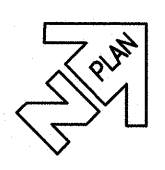


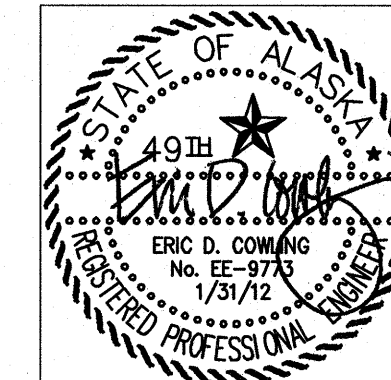
SHEET NOTES

- COORDINATE CEILING MOUNTED FIXTURES AND DEVICES IN HALLWAY WITH ARCHITECTURAL CEILING GRID LAYOUT.
- ALL BUILDING MOUNTED EXTERIOR LIGHTS DENOTED BY SWITCH LEG 'Z' TO BE CONTROLLED BY SITE LIGHTING CONTACTOR 'LC-1'. SEE DETAIL 1/E5.2.
- MOUNT TRACK LIGHTING AT 12" AFF BETWEEN THE FIRST AND SECOND FLOOR.
- ELEVATOR EQUIPMENT ROOM LIGHTING SHALL NOT BE CONNECTED TO LOAD SIDE OF GFCI RECEPTACLE.

1 FIRST FLOOR LIGHTING PLAN

E2.1 SCALE: 1/8" = 1'-0"



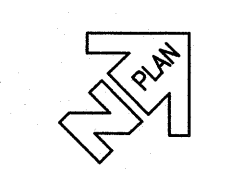


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1 SECOND FLOOR LIGHTING PLAN
 E2.2 SCALE: 1/8" = 1'-0"



SHEET NOTES

- ① COORDINATE CEILING MOUNTED FIXTURES AND DEVICES IN HALLWAY WITH ARCHITECTURAL CEILING GRID LAYOUT.

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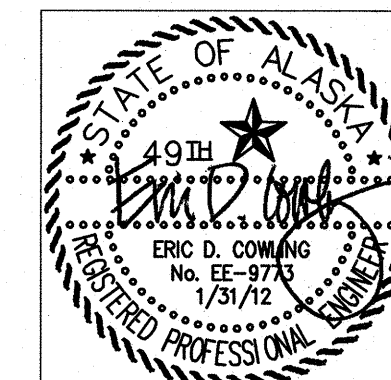
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 SECOND FLOOR LIGHTING PLAN

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E2.2

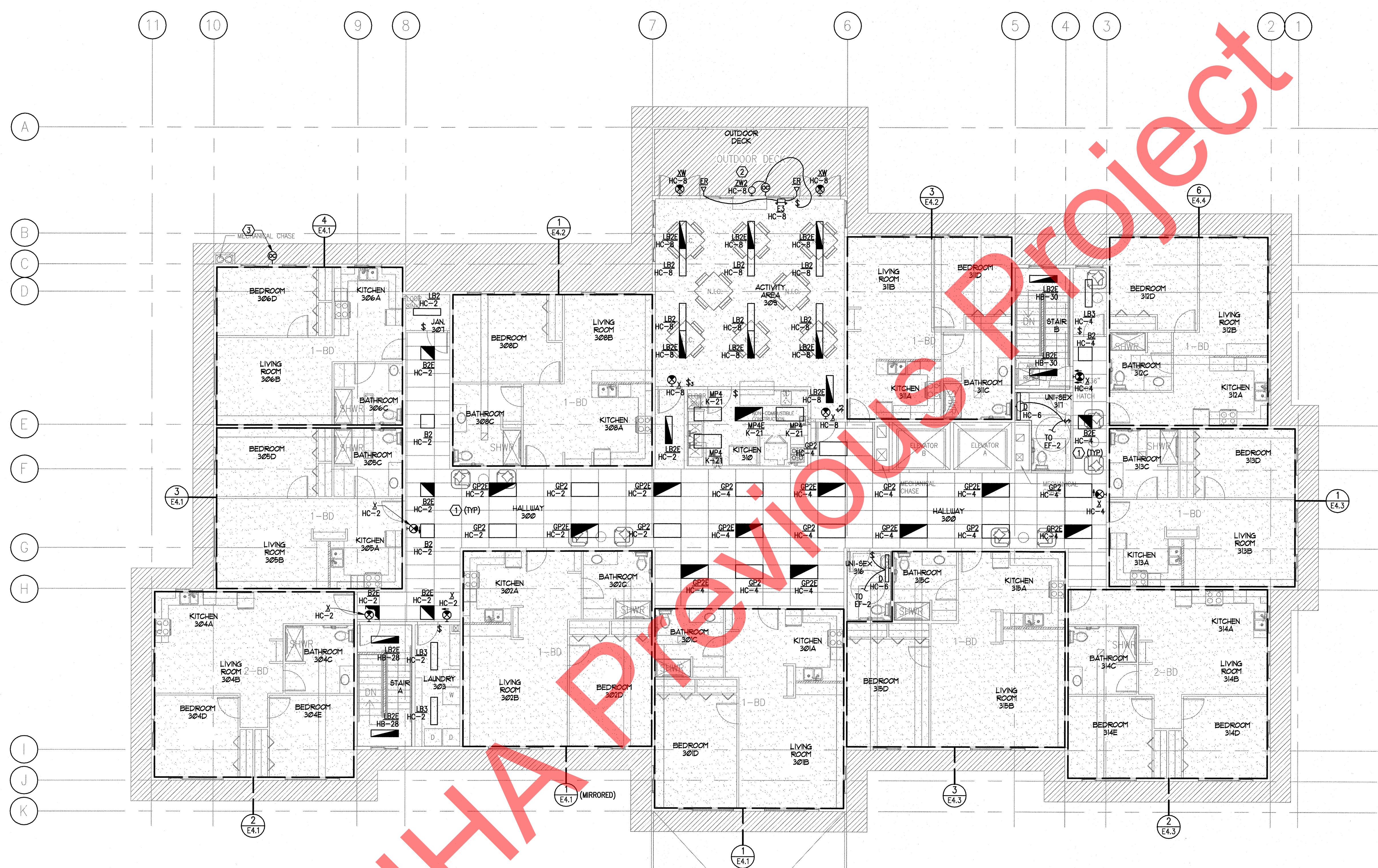
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1 THIRD FLOOR LIGHTING PLAN
 E2.3 SCALE: 1/8" = 1'-0"

- SHEET NOTES**
- ① COORDINATE CEILING MOUNTED FIXTURES AND DEVICES IN HALLWAY WITH ARCHITECTURAL CEILING GRID LAYOUT.
 - ② EXTERIOR LIGHT CONTROLLED BY PHOTOCELL AND MANUAL SNAP SWITCH.
 - ③ PROVIDE PHOTOCELL CONTROLLER FOR CONTROL OF EXTERIOR LIGHTING CONTACTOR 'LC-1'.

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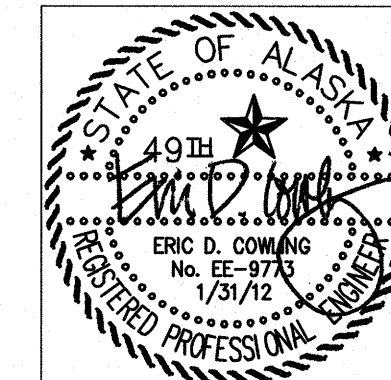
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SHEET TITLE:
 THIRD FLOOR LIGHTING PLAN

SHEET NO.
E2.3

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 ph. (907) 696-2960 fax (907) 696-2962
 arohde@rohdeandassociatesinc.com

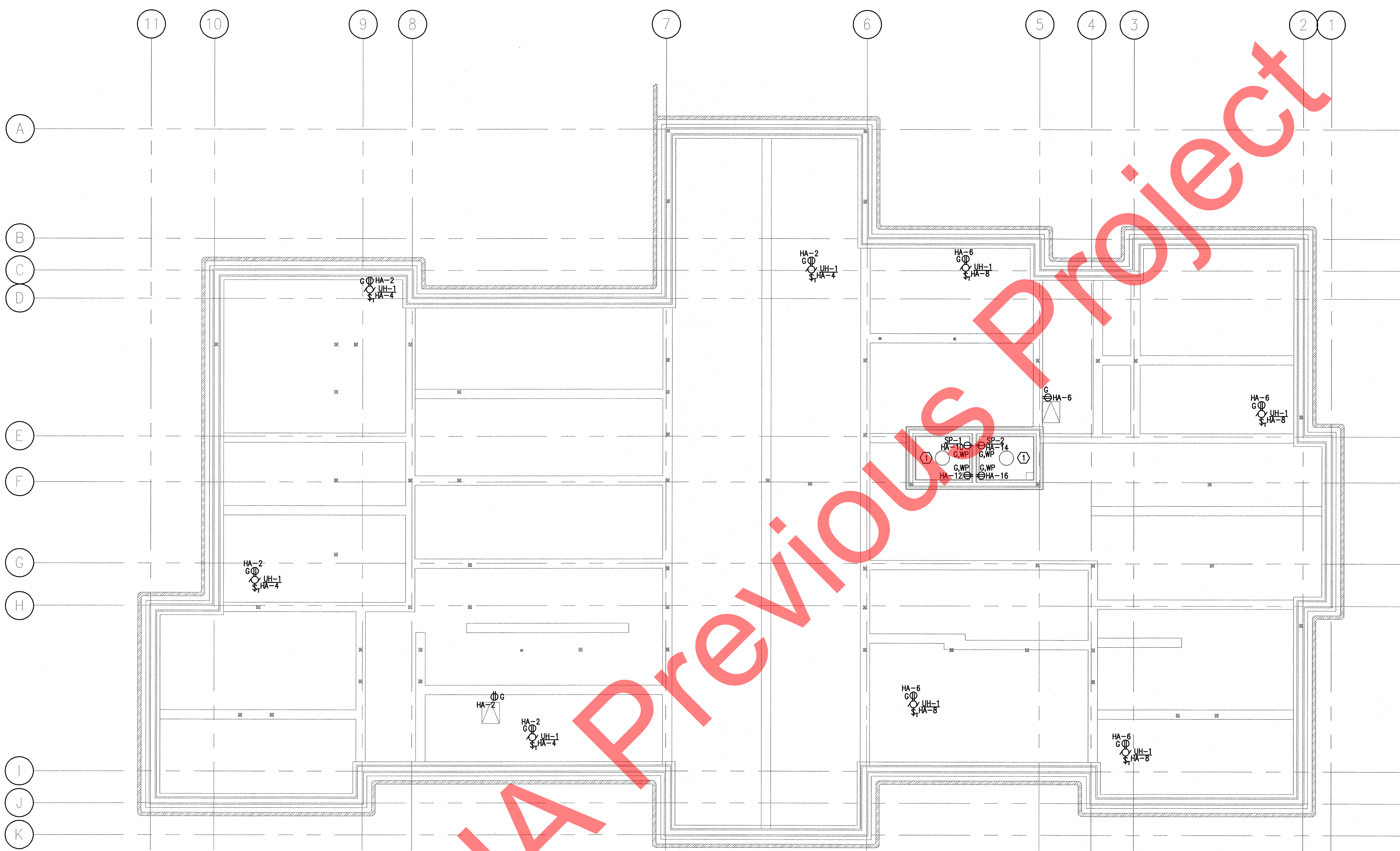
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NO.	REVISION	DATE
1	RESPONSE TO COMMENTS	08/22/11
2	BACKGROUND UPDATE	01/31/12

JOB NO.	1002
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SHEET TITLE:
 CRAWL SPACE
 POWER AND SIGNAL PLAN

SHEET NO.
E3.0



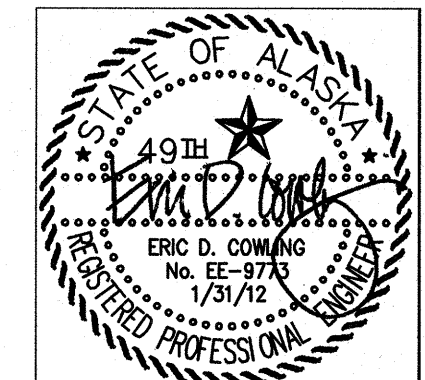
1 CRAWL SPACE POWER AND SIGNAL PLAN
 E3.0 SCALE: 1/8" = 1'-0"

SHEET NOTES

- 1 ALL EQUIPMENT IN ELEVATOR PIT TO BE NEMA 4 RATED. FIELD LOCATED EQUIPMENT WITH ELEVATOR MANUFACTURER REPRESENTATIVE.

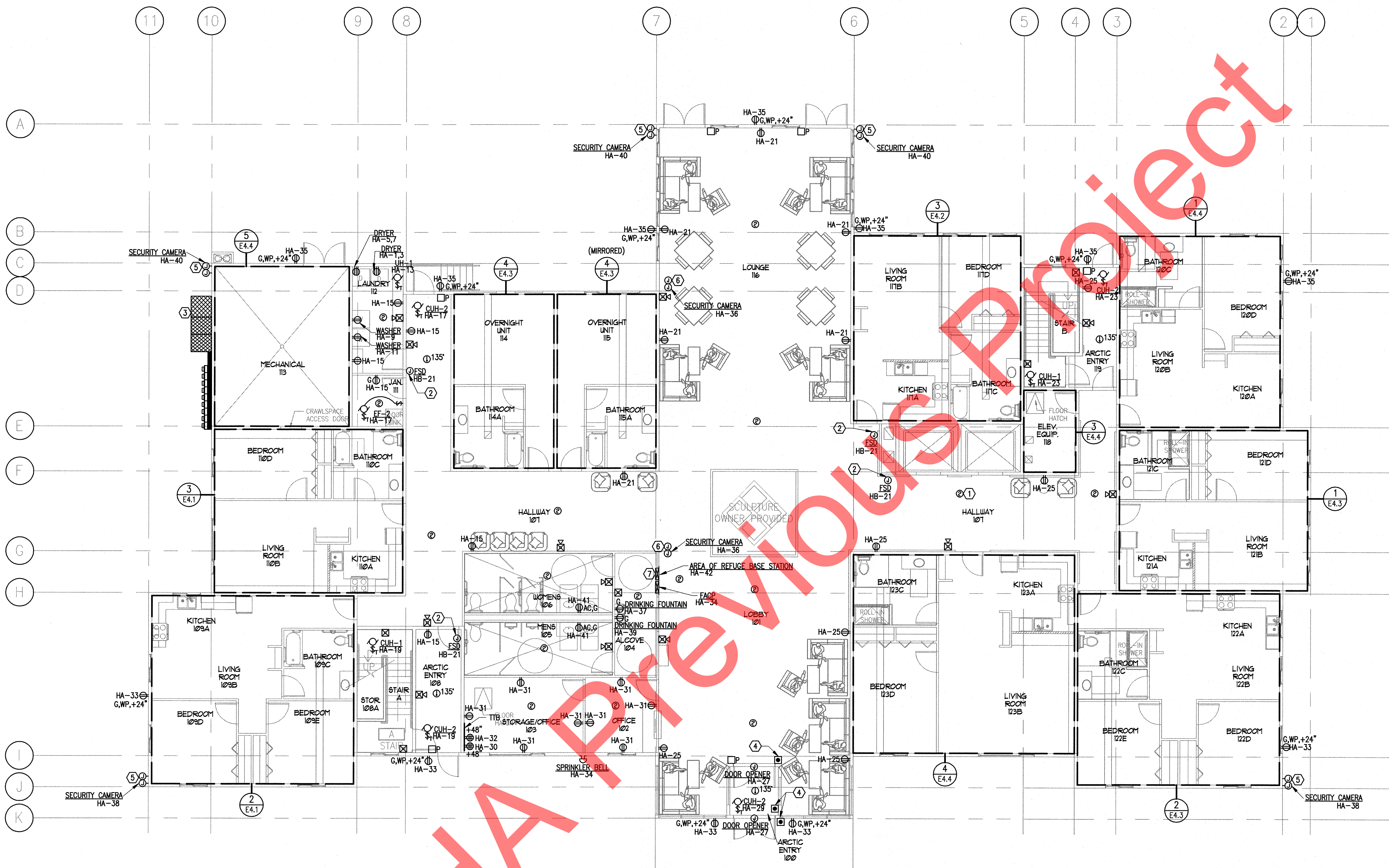
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 ph. (907)696-2960 fax (907)696-2962
 rohde@rohdeandassociatesinc.com

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1 FIRST FLOOR POWER AND SIGNAL PLAN
 E3.1 SCALE: 1/8" = 1'-0"

SHEET NOTES

- 1 PROVIDE SMOKE DETECTOR MONITORED BY THE FIRE ALARM CONTROL PANEL FOR INITIATING THE ELEVATOR RECALL.
- 2 PROVIDE POWER CONNECTION TO FIRE/SMOKE DAMPER. COORDINATE FIRE SMOKE DAMPER LOCATIONS WITH THE MECHANICAL DRAWINGS.
- 3 COORDINATE ELECTRICAL SERVICE LOCATION WITH LANDSCAPE PLAN AND ARCHITECTURAL DETAILS.
- 4 ADA PUSHBUTTONS SHALL ACTIVATE BOTH INNER AND OUTER AUTOMATIC DOOR OPENERS.
- 5 ROUGH-IN POWER CIRCUIT AND CONNECTIVITY J-BOX LOCATED ON EXTERIOR OF BUILDING AT 12' AFG WITH 3/4" CONDUIT AND PULL STRING ROUTED TO ROOM 103 FOR FUTURE SECURITY CAMERA.
- 6 ROUGH-IN POWER CIRCUIT AND CONNECTIVITY J-BOX IN AN ACCESSIBLE LOCATION ABOVE CEILING WITH 3/4" CONDUIT AND PULL STRING ROUTED TO ROOM 103 FOR FUTURE SECURITY CAMERA.
- 7 PROVIDE AREA OF REFUGE BASE STATION CONNECTED TO AREA OF REFUGE CALL STATION ON SECOND AND THIRD FLOORS FOR TWO-WAY COMMUNICATION. PROVIDE DEDICATED ANALOG TELEPHONE LINE TO BASE STATION FOR TWO-WAY OFF-SITE PERSON TO PERSON VOICE COMMUNICATION. COORDINATE LOCATION OF BASE STATION WITH THE LOCAL FIRE DEPARTMENT.

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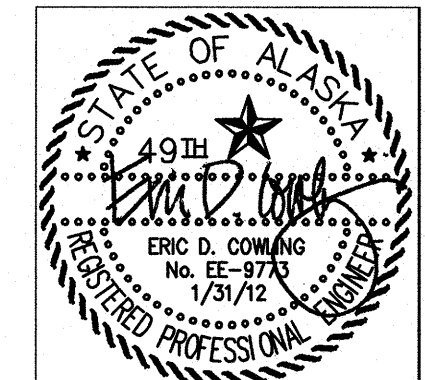
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SHEET TITLE:
 FIRST FLOOR
 POWER AND SIGNAL PLAN

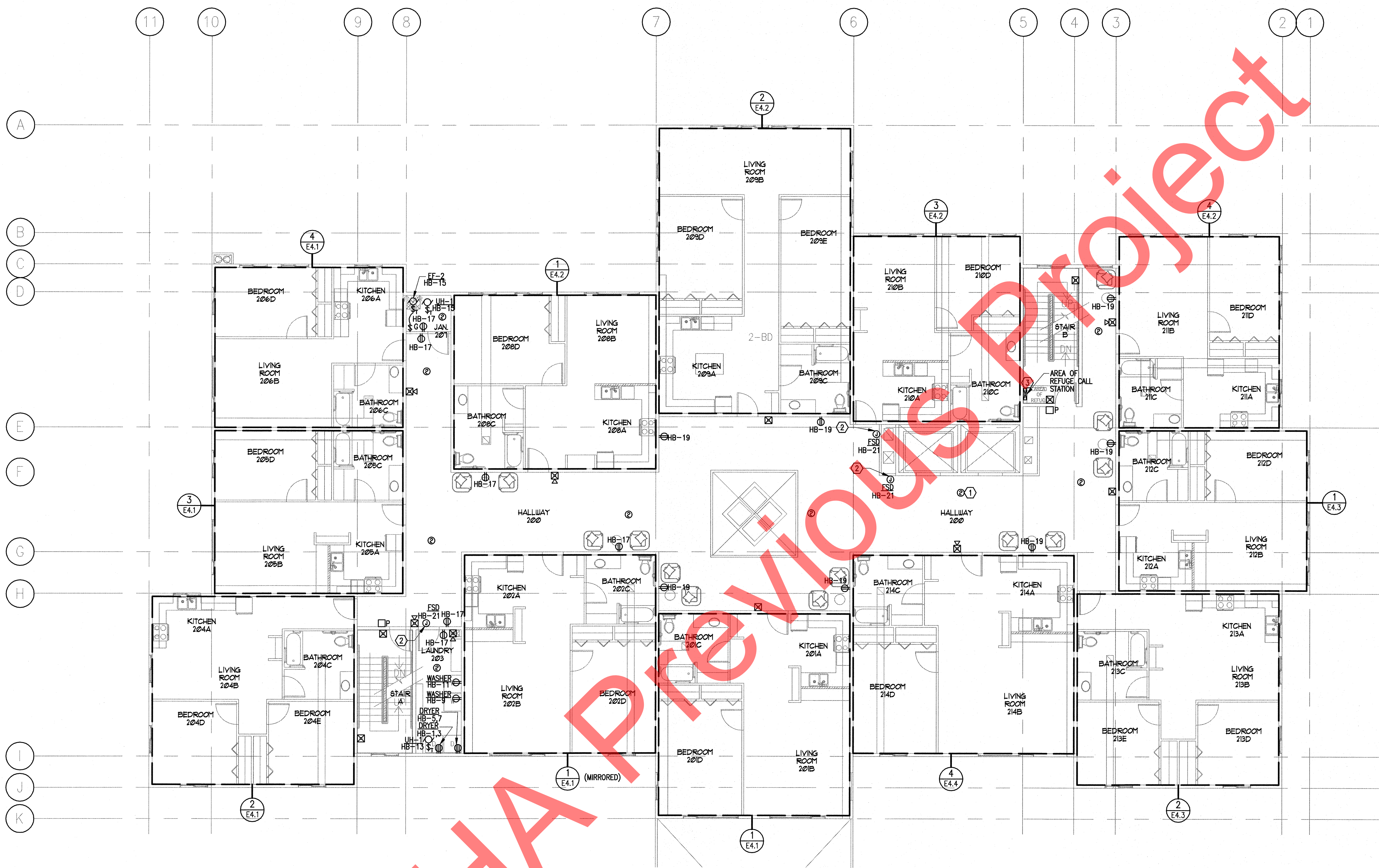
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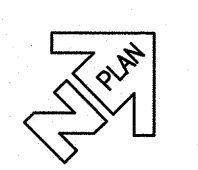


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 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907)696-2960 fax (907)696-2962
 rohde@rohdeandassociatesinc.com

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1 SECOND FLOOR POWER AND SIGNAL PLAN
 E3.2 SCALE: 1/8" = 1'-0"



SHEET NOTES

- ① PROVIDE SMOKE DETECTOR MONITORED BY THE FIRE ALARM CONTROL PANEL FOR INITIATING THE ELEVATOR RECALL.
- ② PROVIDE POWER CONNECTION TO FIRE/SMOKE DAMPER. COORDINATE FIRE SMOKE DAMPER LOCATIONS WITH THE MECHANICAL DRAWINGS.
- ③ PROVIDE AREA OF REFUGE CALL STATION CONNECT TO THE AREA OF REFUGE BASE STATION FOR TWO-WAY COMMUNICATION.

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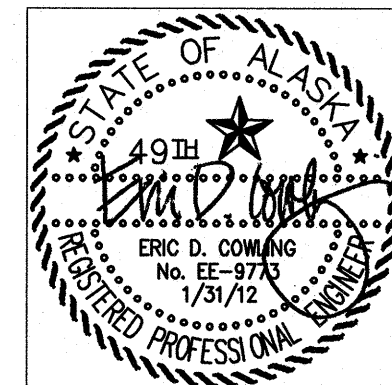
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SHEET TITLE:
 SECOND FLOOR
 POWER AND SIGNAL PLAN

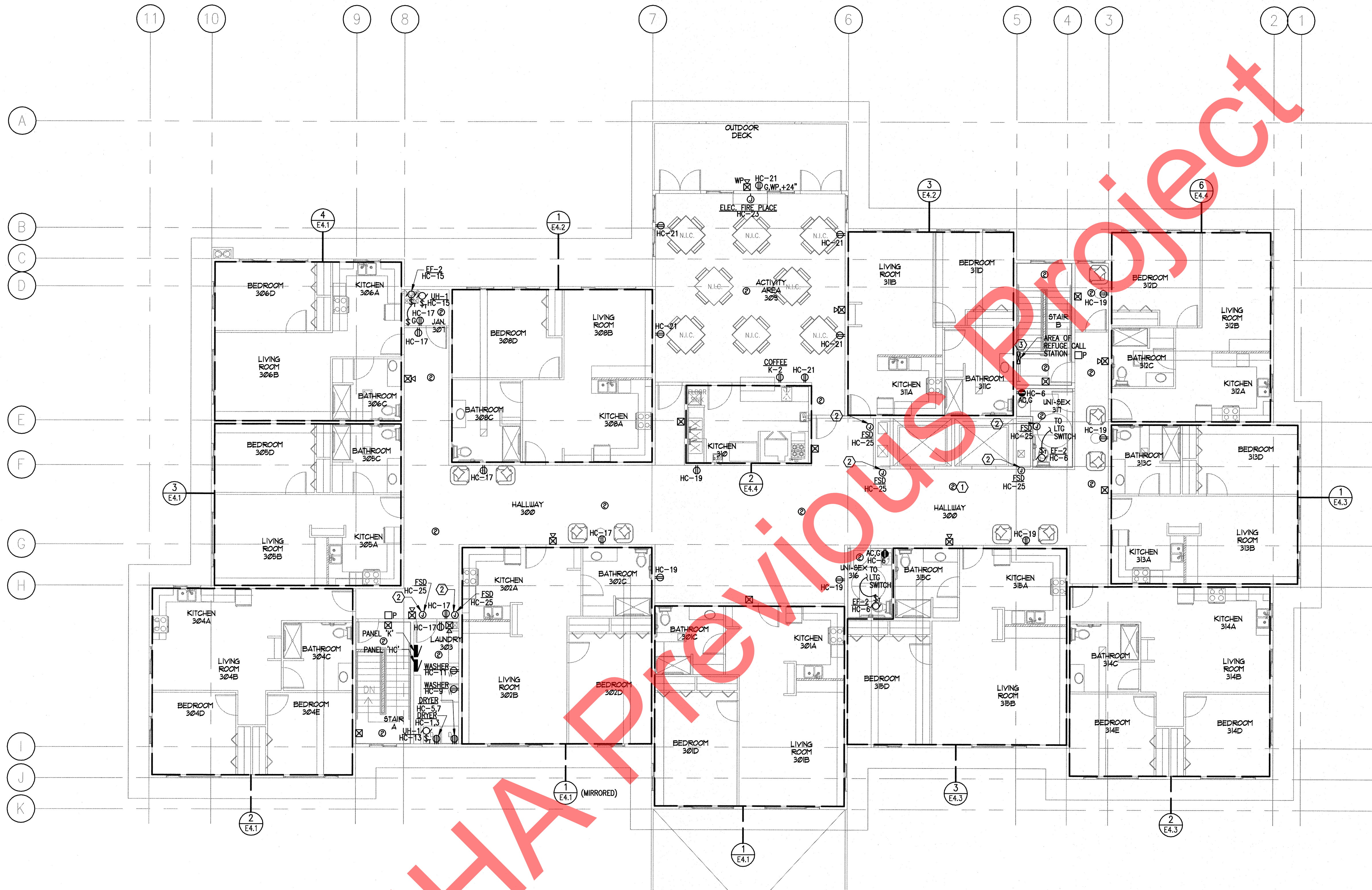
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 ph. (907)606-2960 fax (907)606-2962
 rohde@rohdeandassociatesinc.com

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1 THIRD FLOOR POWER AND SIGNAL PLAN
 E3.3 SCALE: 1/8" = 1'-0"

- SHEET NOTES**
- ① PROVIDE SMOKE DETECTOR MONITORED BY THE FIRE ALARM CONTROL PANEL FOR INITIATING THE ELEVATOR RECALL.
 - ② PROVIDE POWER CONNECTION TO FIRE/SMOKE DAMPER. COORDINATE FIRE SMOKE DAMPER LOCATIONS WITH THE MECHANICAL DRAWINGS.
 - ③ PROVIDE AREA OF REFUGE CALL STATION CONNECT TO THE AREA OF REFUGE BASE STATION FOR TWO-WAY COMMUNICATION.

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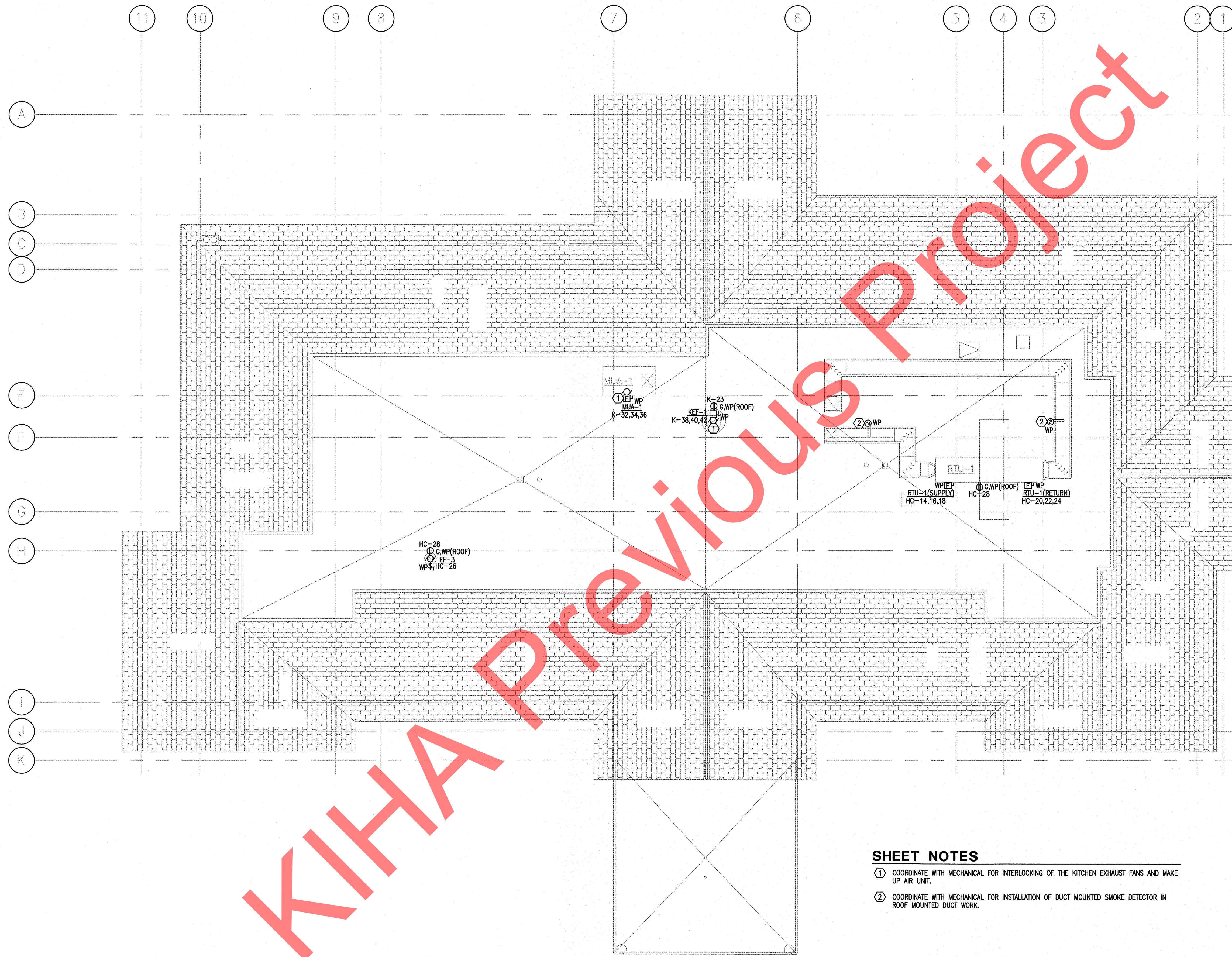
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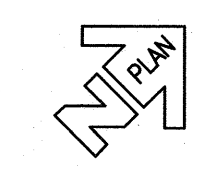
SHEET TITLE:
 THIRD FLOOR
 POWER AND SIGNAL PLAN

SHEET NO.
E3.3

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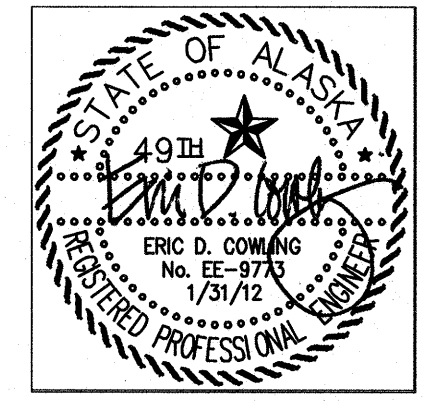


1 ROOF POWER AND SIGNAL PLAN
 E3.4 SCALE: 1/8" = 1'-0"



SHEET NOTES

- ① COORDINATE WITH MECHANICAL FOR INTERLOCKING OF THE KITCHEN EXHAUST FANS AND MAKE UP AIR UNIT.
- ② COORDINATE WITH MECHANICAL FOR INSTALLATION OF DUCT MOUNTED SMOKE DETECTOR IN ROOF MOUNTED DUCT WORK.



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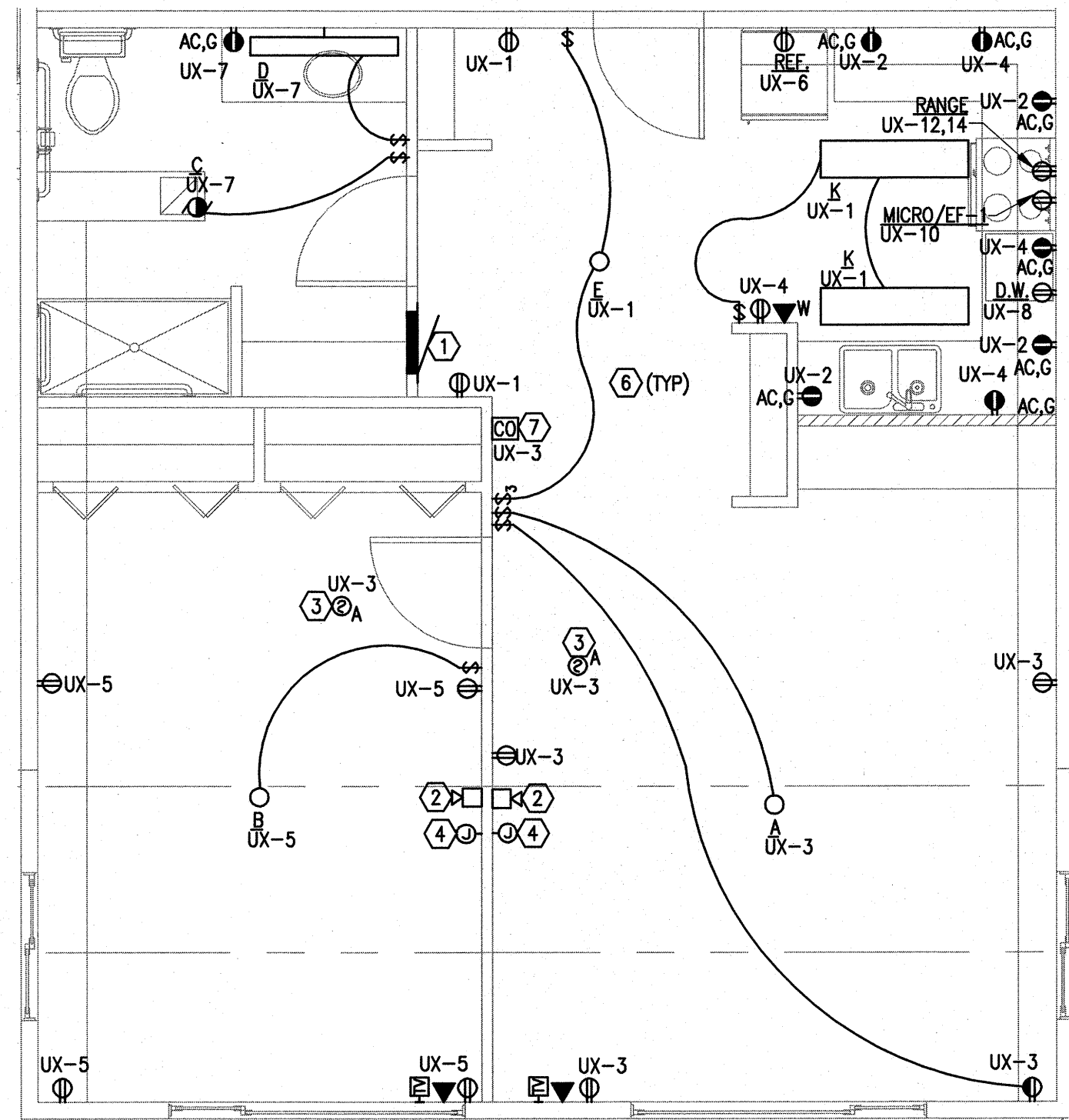
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SHEET TITLE: ROOF POWER AND SIGNAL PLAN

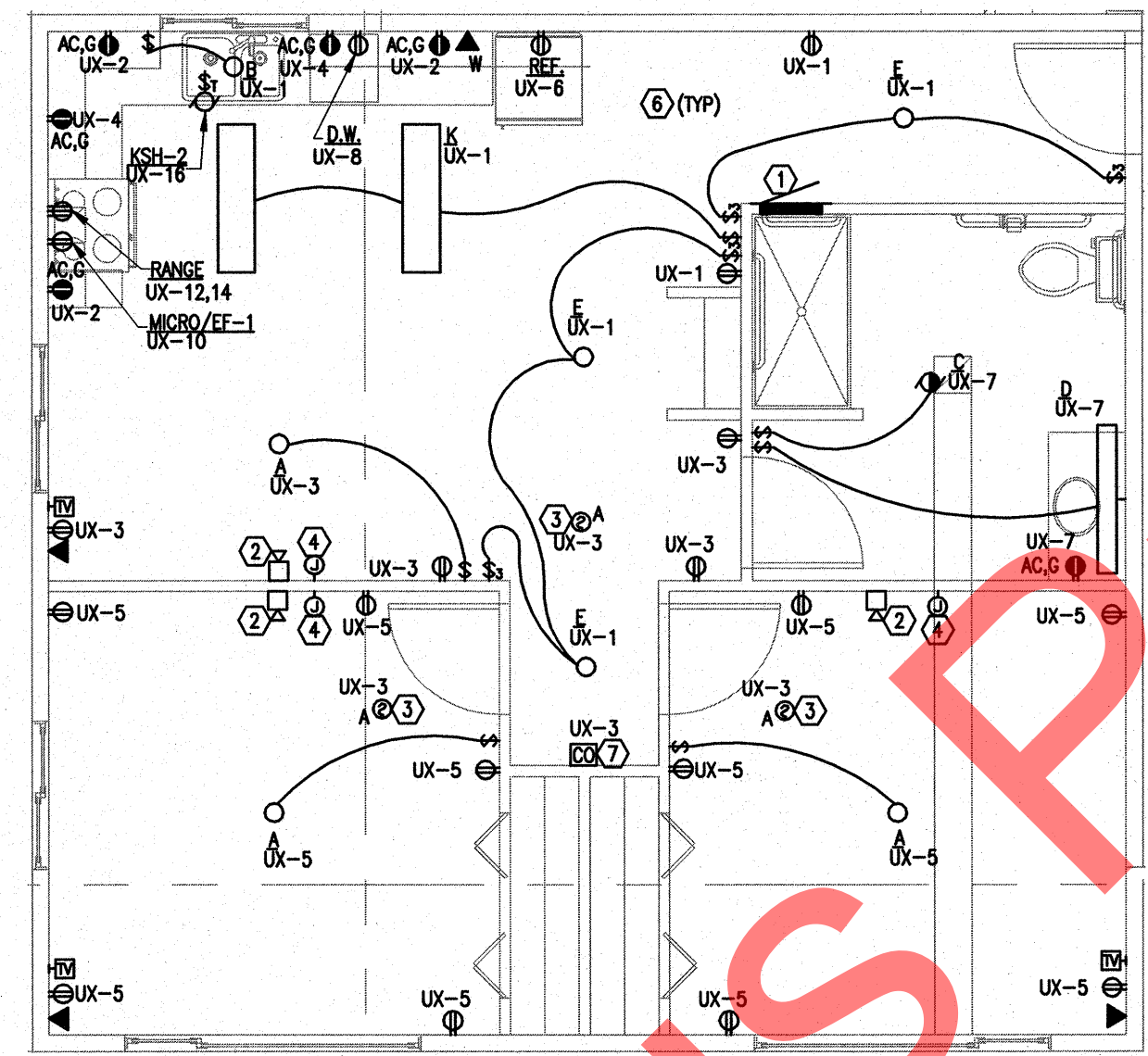
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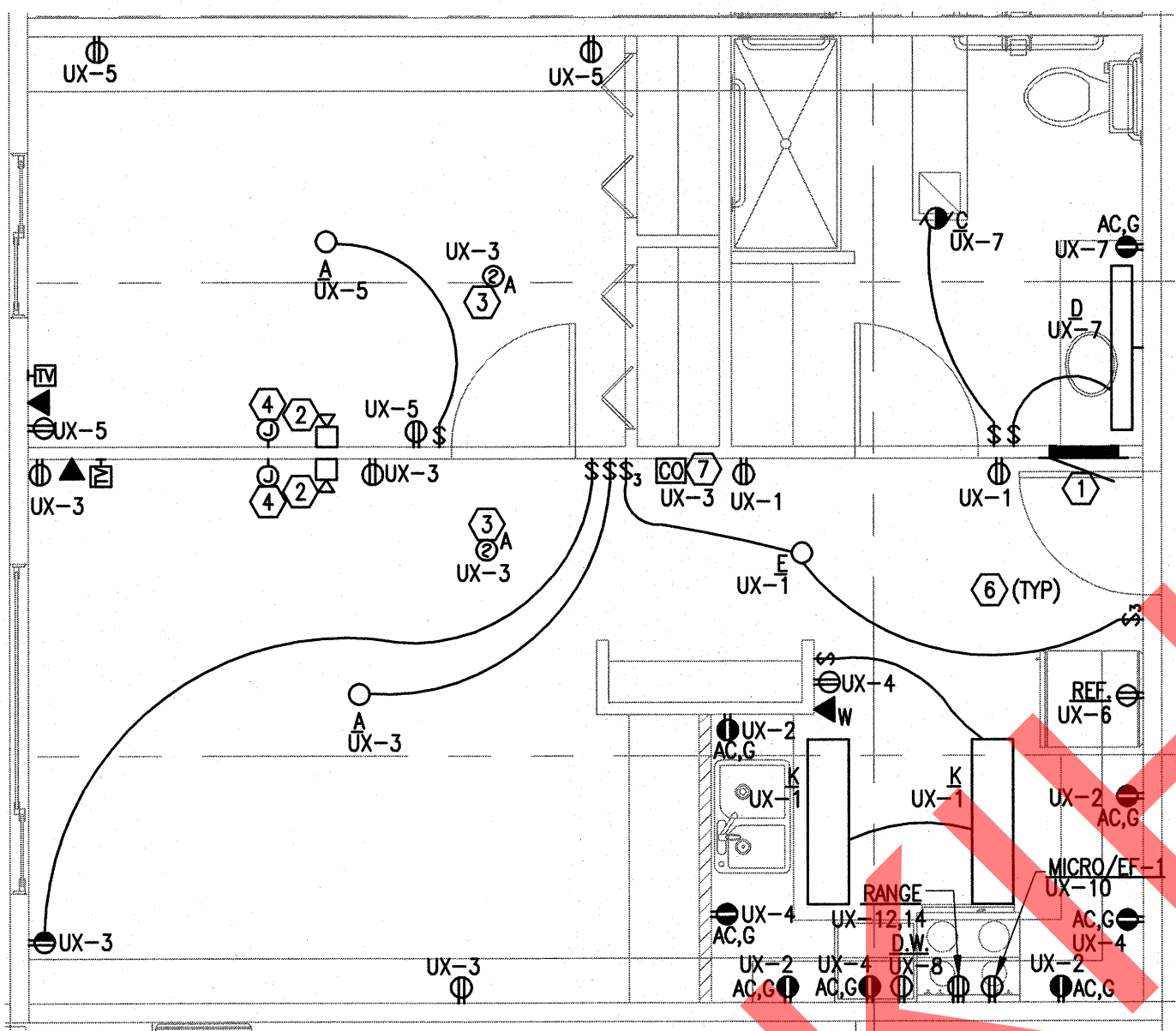
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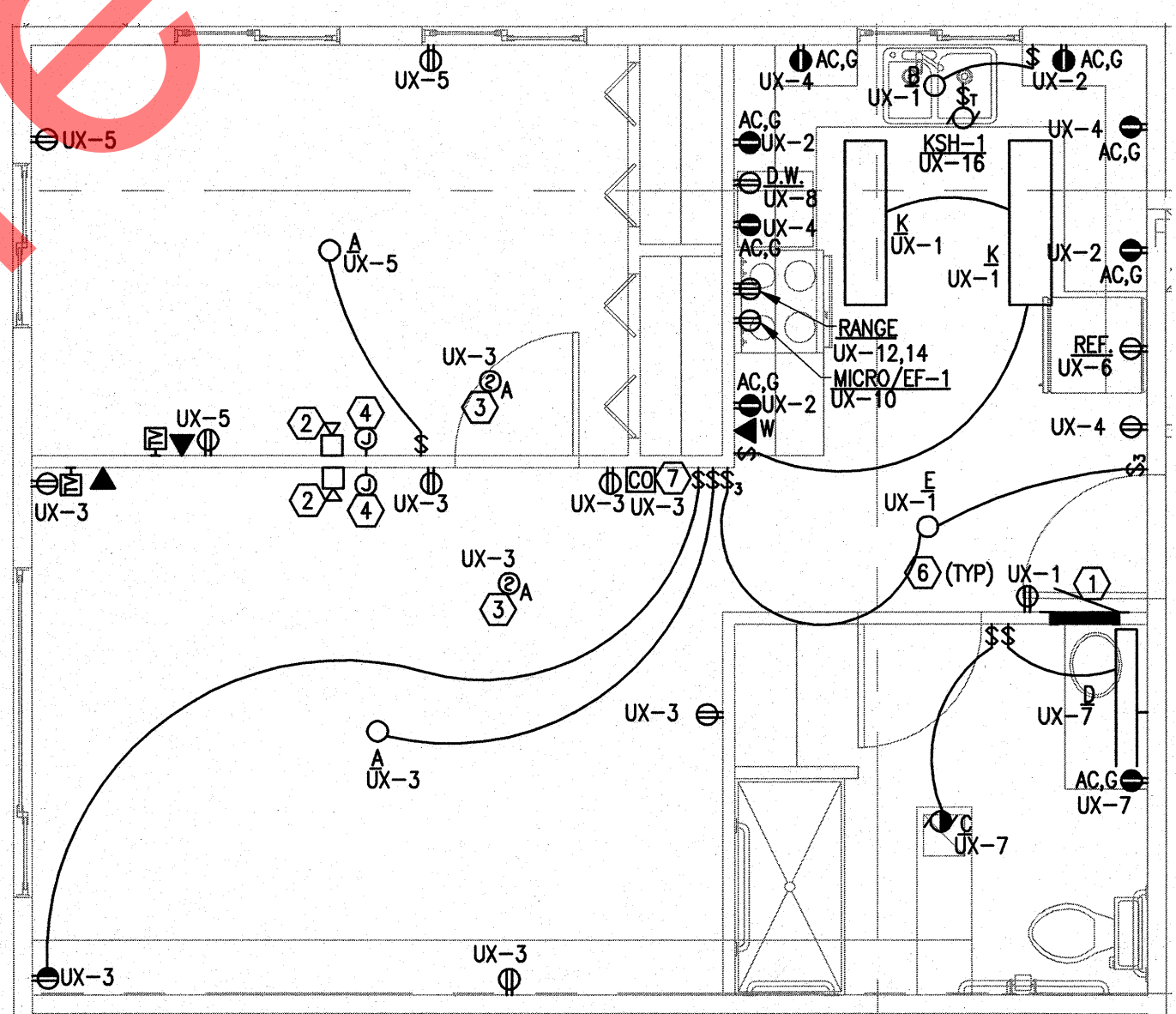
1 ENLARGED SCALE ELECTRICAL PLAN - UNITS 201, 202, 301, & 302
 E4.1 SCALE: 1/4" = 1'-0"



2 ENLARGED SCALE ELECTRICAL PLAN - UNITS 109, 204, & 304
 E4.1 SCALE: 1/4" = 1'-0"



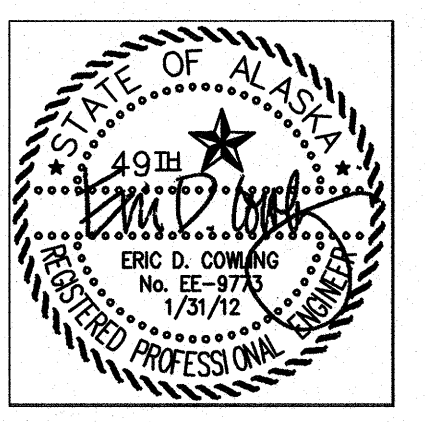
3 ENLARGED SCALE ELECTRICAL PLAN - UNITS 110, 205 AND 305
 E4.1 SCALE: 1/4" = 1'-0"



4 ENLARGED SCALE ELECTRICAL PLAN - UNITS 206 & 306
 E4.1 SCALE: 1/4" = 1'-0"

SHEET NOTES

- 1 PANEL IN TYPICAL UNIT. EACH UNIT'S PANEL TO BE NAMED "UX" REPLACING "X" WITH THE UNIT'S NUMBER. FOR EXAMPLE, THE PANEL IN UNIT 201 IS NAMED PANEL "U201".
- 2 PROVIDE INDICATION DEVICES FOR COMMON AREA FIRE ALARM SYSTEM. REFER TO ONE LINE DIAGRAM AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PROVIDE VISUAL AND AUDIBLE INDICATING DEVICES IN UNITS IDENTIFIED ON THE ARCHITECTURAL DRAWINGS AS "ADA ACCESSIBLE". PROVIDE AUDIBLE INDICATING DEVICES IN ALL OTHER UNITS, WITH THE ABILITY TO UPGRADE ANY UNIT TO INCLUDE HORN/STROBE FOR USE AS A HANDICAP UNIT IN THE FUTURE.
- 3 PROVIDE WALL-MOUNTED VISUAL INDICATING DEVICES CONNECTED TO THE TANDEM SMOKE ALARMS IN UNITS IDENTIFIED ON THE ARCHITECTURAL DRAWINGS AS "ADA ACCESSIBLE". PROVIDE THE ABILITY TO UPGRADE THE TANDEM SMOKE ALARMS IN ALL OTHER UNITS' WITH WALL-MOUNTED VISUAL INDICATING DEVICE FOR FUTURE USE AS A HANDICAP UNIT.
- 4 VISUAL INDICATING DEVICE LOCATION IN BEDROOMS SHALL BE A MAXIMUM OF 16' FROM THE HEAD OF BED LOCATION.
- 5 MOUNT KITCHEN ISLAND RECEPTACLES NO MORE THAN 12 INCHES BELOW THE COUNTER TOP. COORDINATE INSTALLATION WITH BASE CABINETS AND DRAWERS.
- 6 CONTRACTOR TO MAINTAIN 1-HOUR CEILING/FLOOR/WALL ASSEMBLY FIRE RATING USING FIRE STOP AROUND ALL PENETRATIONS AND FIRE RATED BOXES FOR ALL RECESSED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED CEILING, FLOOR AND WALL ASSEMBLIES. "TENMAT" FIRE RATED LIGHT COVERS ARE ACCEPTABLE IN LIEU OF FIRE RATED LUMINAIRES.
- 7 PROVIDE A 120V CO DETECTOR, WIRED IN TANDEM WITH THE SMOKE DETECTORS IN THE SAME UNIT. MOUNT CO DETECTOR ON WALL AT 18" AFF.



Rohde
 associates architects
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph: (907) 956-2960 fax: (907) 956-2962
 rohde@rohdeandassociatesinc.com

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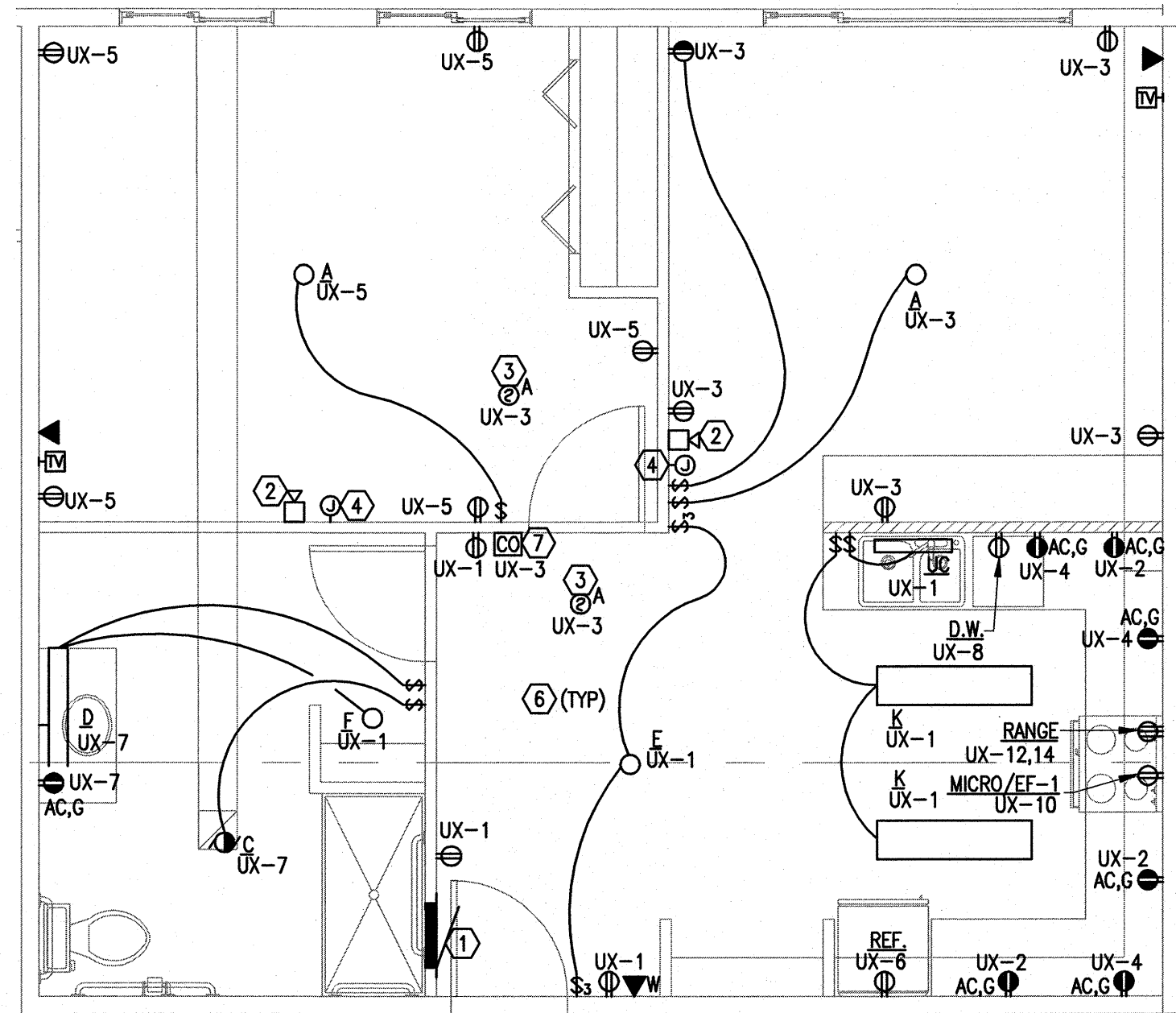
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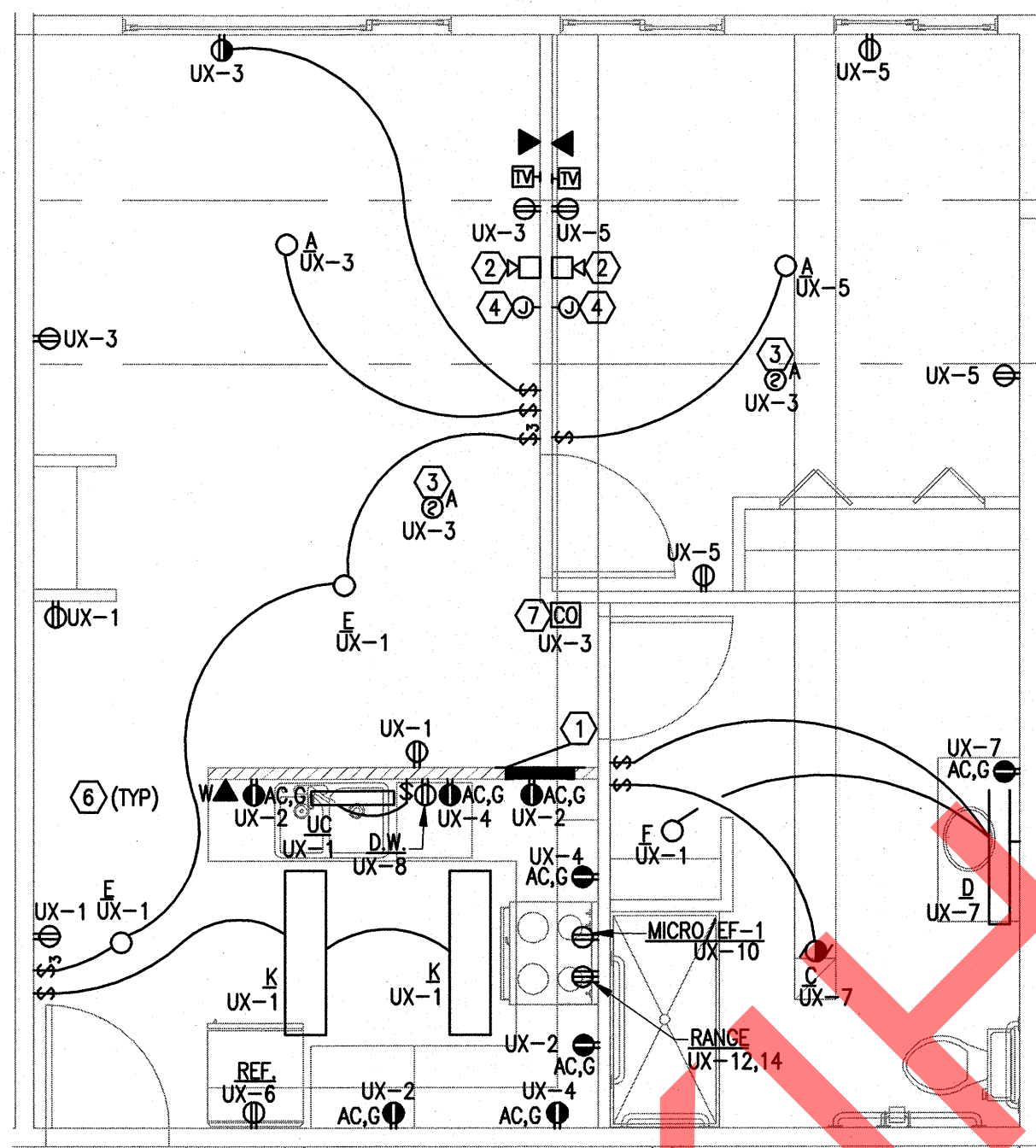
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 ENLARGED PLANS

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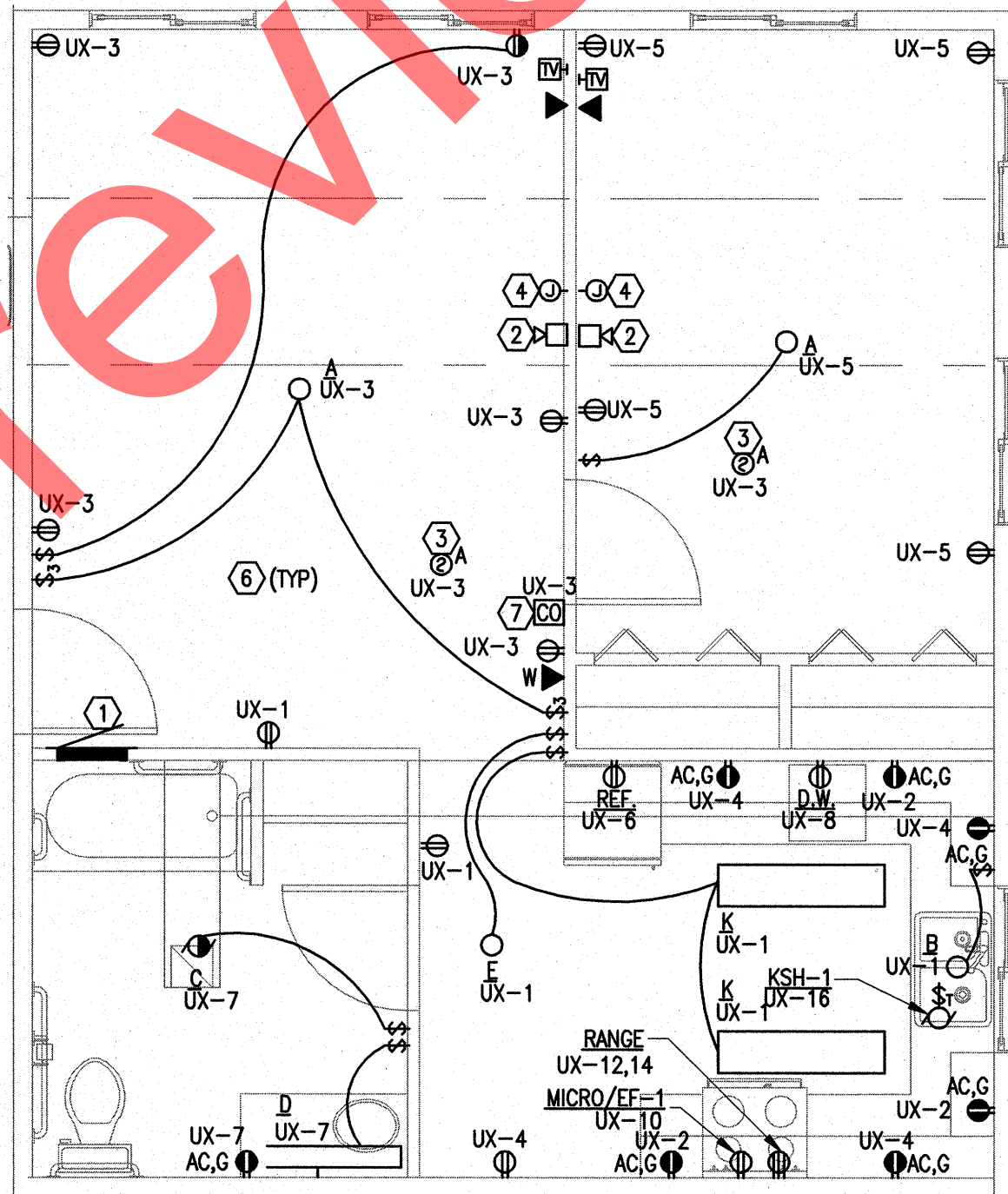
1 ENLARGED SCALE
ELECTRICAL PLAN - UNITS 208 & 308
E4.2 SCALE: 1/4" = 1'-0"



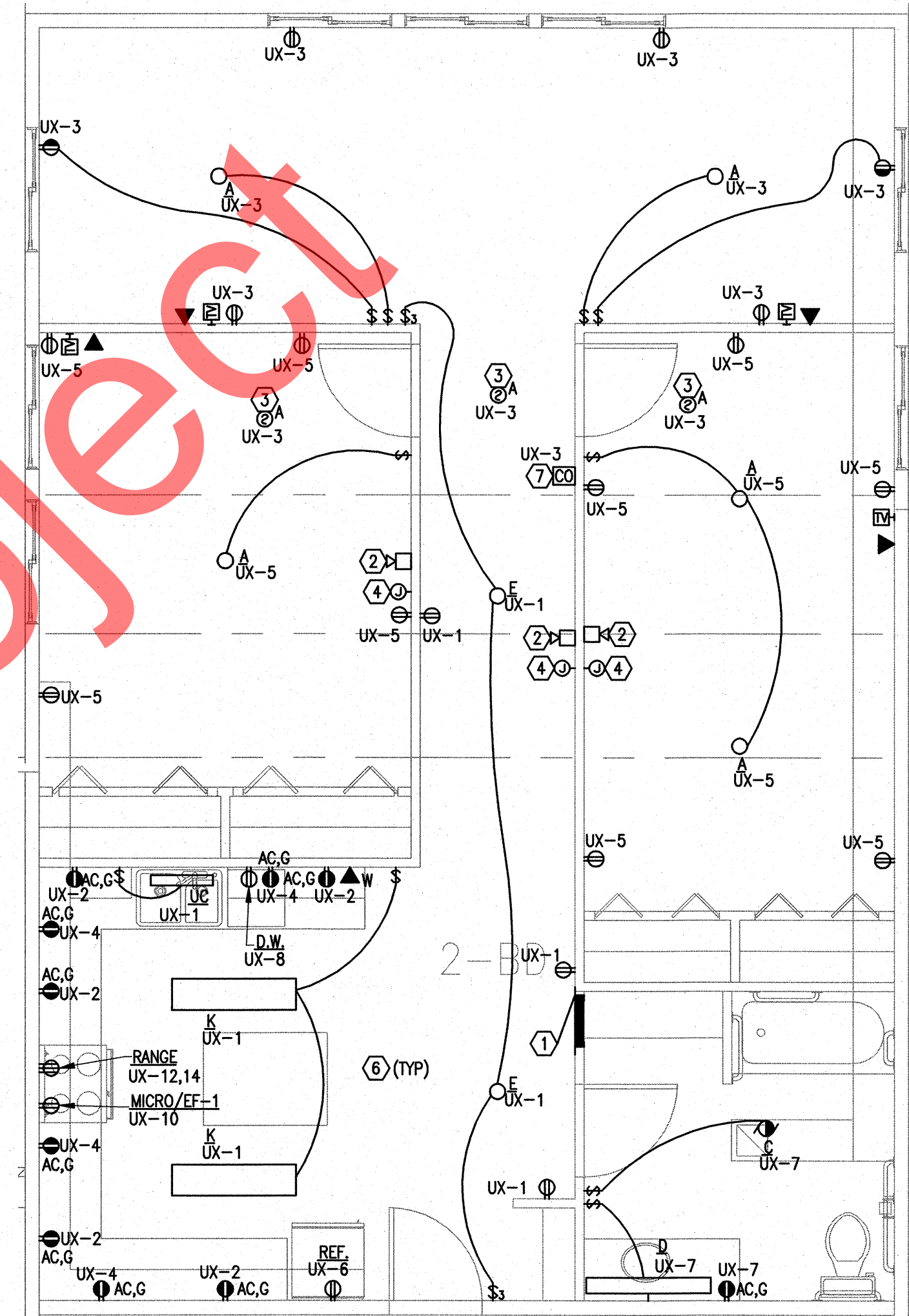
3 ENLARGED SCALE
ELECTRICAL PLAN - UNITS 117, 210 & 311
E4.2 SCALE: 1/4" = 1'-0"

SHEET NOTES

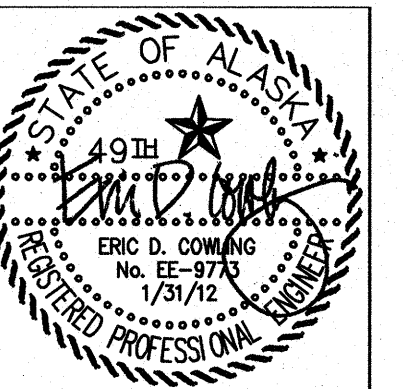
- ① PANEL IN TYPICAL UNIT. EACH UNIT'S PANEL TO BE NAMED "UX" REPLACING "X" WITH THE UNIT'S NUMBER. FOR EXAMPLE, THE PANEL IN UNIT 201 IS NAMED PANEL "U201".
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- ③ PROVIDE WALL-MOUNTED VISUAL INDICATING DEVICES CONNECTED TO THE TANDEM SMOKE ALARMS IN UNITS IDENTIFIED ON THE ARCHITECTURAL DRAWINGS AS "ADA ACCESSIBLE". PROVIDE THE ABILITY TO UPGRADE THE TANDEM SMOKE ALARMS IN ALL OTHER UNITS' WITH WALL-MOUNTED VISUAL INDICATING DEVICE FOR FUTURE USE AS A HANDICAP UNIT.
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- ⑤ MOUNT KITCHEN ISLAND RECEPTACLES NO MORE THAN 12 INCHES BELOW THE COUNTER TOP. COORDINATE INSTALLATION WITH BASE CABINETS AND DRAWERS.
- ⑥ CONTRACTOR TO MAINTAIN 1-HOUR CEILING/FLOOR/WALL ASSEMBLY FIRE RATING USING FIRE STOP AROUND ALL PENETRATIONS AND FIRE RATED BOXES FOR ALL RECESSED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED CEILING, FLOOR AND WALL ASSEMBLIES. "TENMAT" FIRE RATED LIGHT COVERS ARE ACCEPTABLE IN LIEU OF FIRE RATED LUMINAIRES.
- ⑦ PROVIDE A 120V CO DETECTOR, WIRED IN TANDEM WITH THE SMOKE DETECTORS IN THE SAME UNIT. MOUNT CO DETECTOR ON WALL AT 18" AFF.



4 ENLARGED SCALE
ELECTRICAL PLAN - UNITS 211
E4.2 SCALE: 1/4" = 1'-0"



2 ENLARGED SCALE
ELECTRICAL PLAN - UNIT 209
E4.2 SCALE: 1/4" = 1'-0"



Rohde & Associates Architects
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 696-2960 fax (907) 696-2962
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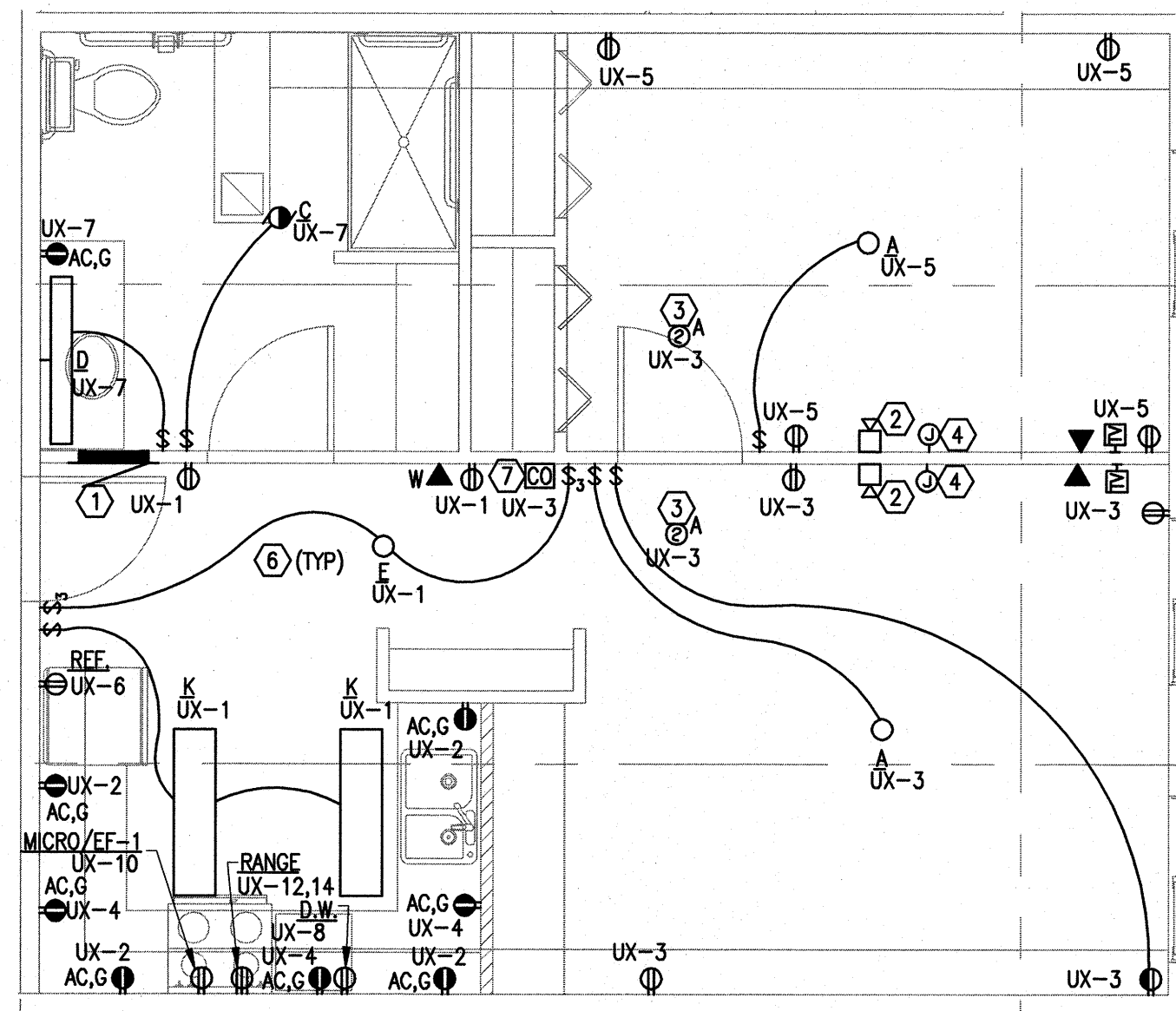
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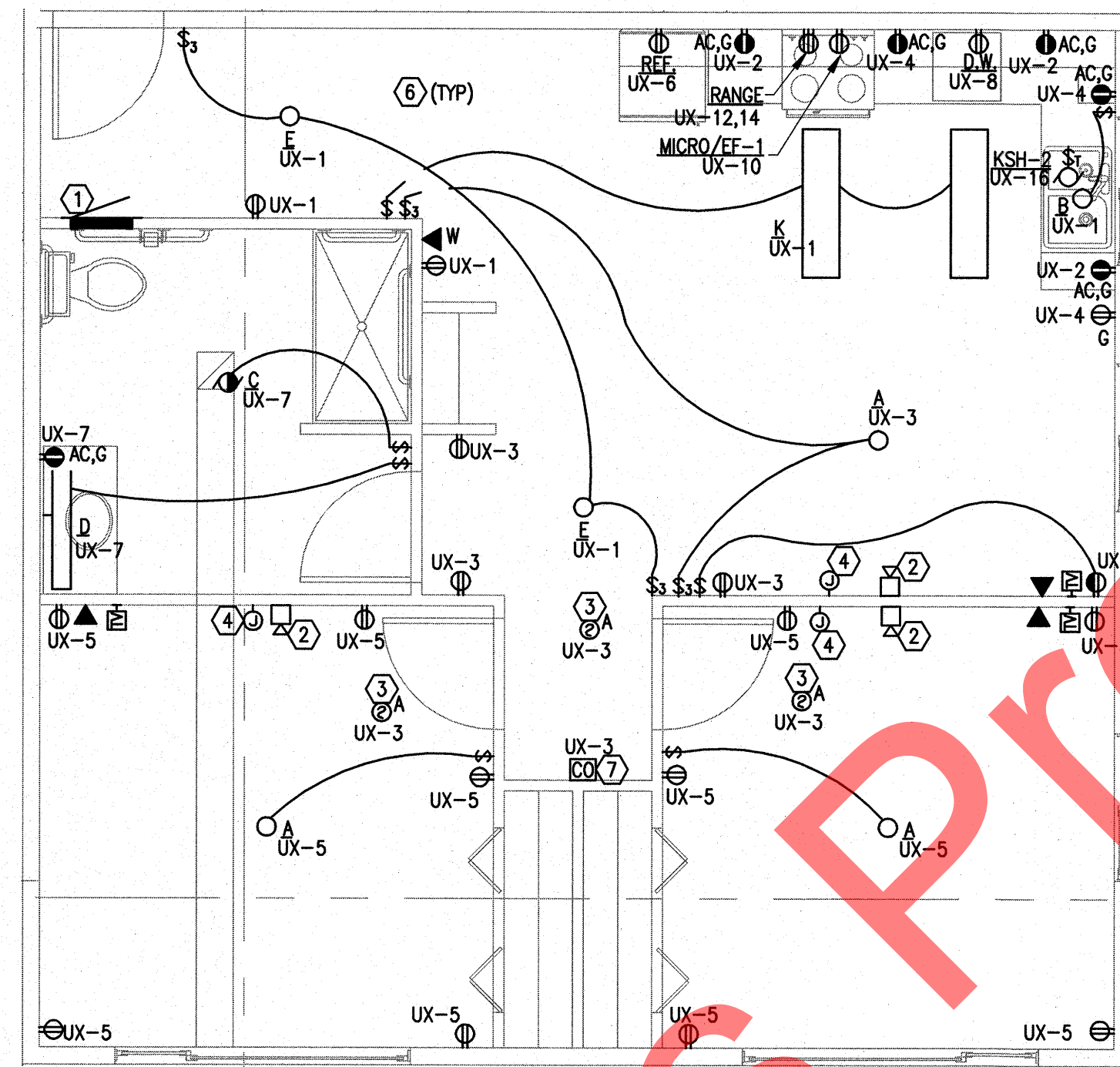
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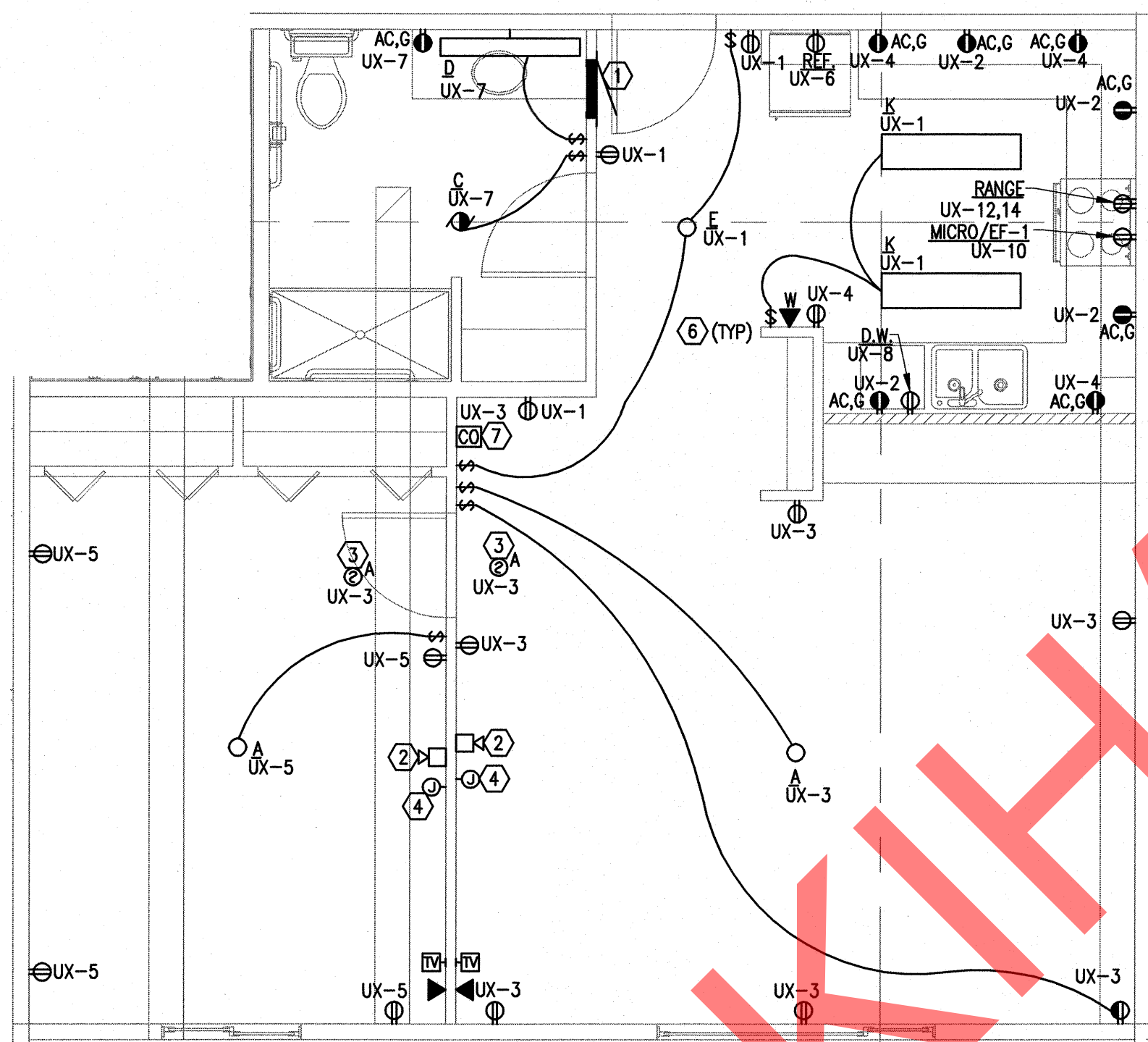
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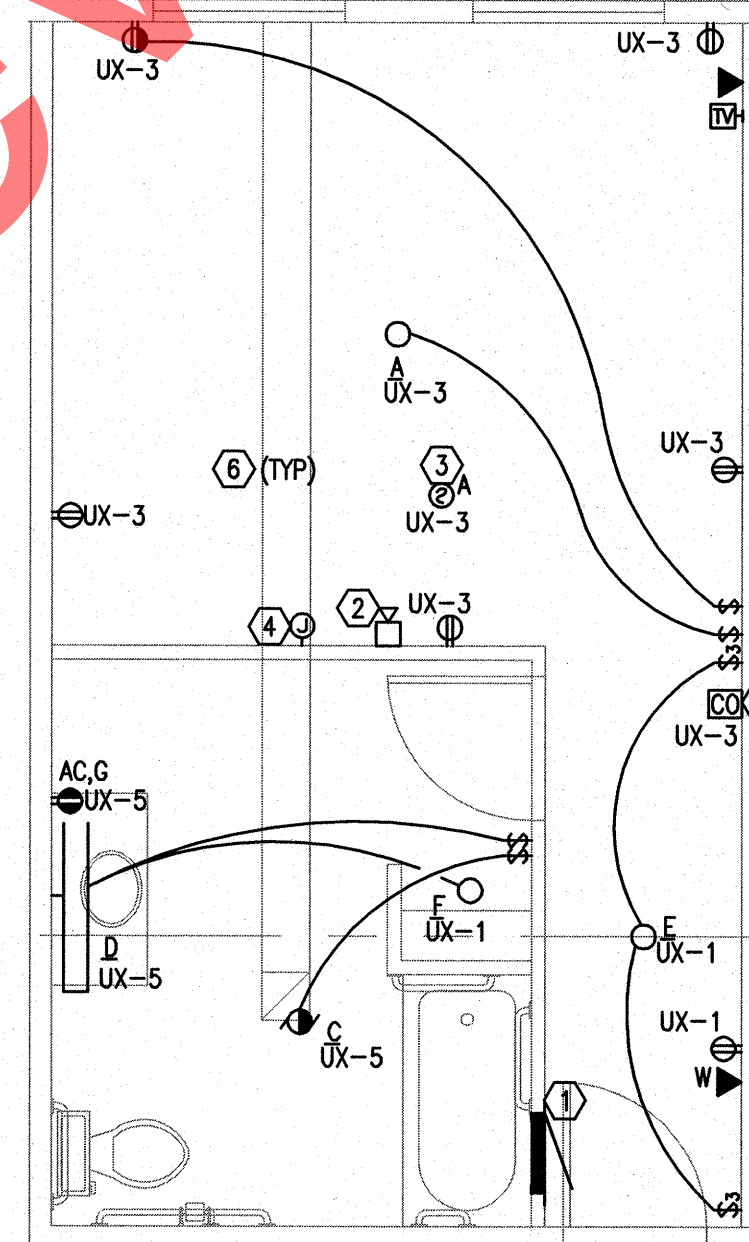
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ENLARGED SCALE
ELECTRICAL PLAN - UNITS 121, 212, & 313
SCALE: 1/4" = 1'-0"



2
ENLARGED SCALE
ELECTRICAL PLAN - UNITS 122, 213, & 314
SCALE: 1/4" = 1'-0"



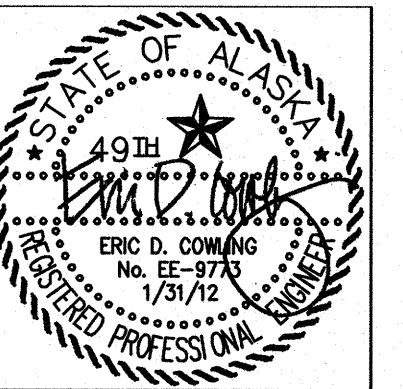
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ENLARGED SCALE
ELECTRICAL PLAN - UNITS 315
SCALE: 1/4" = 1'-0"



4
ENLARGED SCALE
ELECTRICAL PLAN - UNITS 114 & 115
SCALE: 1/4" = 1'-0"

SHEET NOTES

- 1 PANEL IN TYPICAL UNIT. EACH UNIT'S PANEL TO BE NAMED "UX" REPLACING "X" WITH THE UNIT'S NUMBER. FOR EXAMPLE, THE PANEL IN UNIT 201 IS NAMED "U201".
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- 4 VISUAL INDICATING DEVICE LOCATION IN BEDROOMS SHALL BE A MAXIMUM OF 16' FROM THE HEAD OF BED LOCATION.
- 5 MOUNT KITCHEN ISLAND RECEPTACLES NO MORE THAN 12 INCHES BELOW THE COUNTER TOP. COORDINATE INSTALLATION WITH BASE CABINETS AND DRAWERS.
- 6 CONTRACTOR TO MAINTAIN 1-HOUR CEILING/FLOOR/WALL ASSEMBLY FIRE RATING USING FIRE STOP AROUND ALL PENETRATIONS AND FIRE RATED BOXES FOR ALL RECESSED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED CEILING, FLOOR AND WALL ASSEMBLIES. "TENMAT" FIRE RATED LIGHT COVERS ARE ACCEPTABLE IN LIEU OF FIRE RATED LUMINAIRES.
- 7 PROVIDE A 120V CO DETECTOR, WIRED IN TANDEM WITH THE SMOKE DETECTORS IN THE SAME UNIT. MOUNT CO DETECTOR ON WALL AT 18" AFF.



Rohde
associates architects
architecture planning design/build
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ph. (907) 696-2960 fax (907) 696-2962
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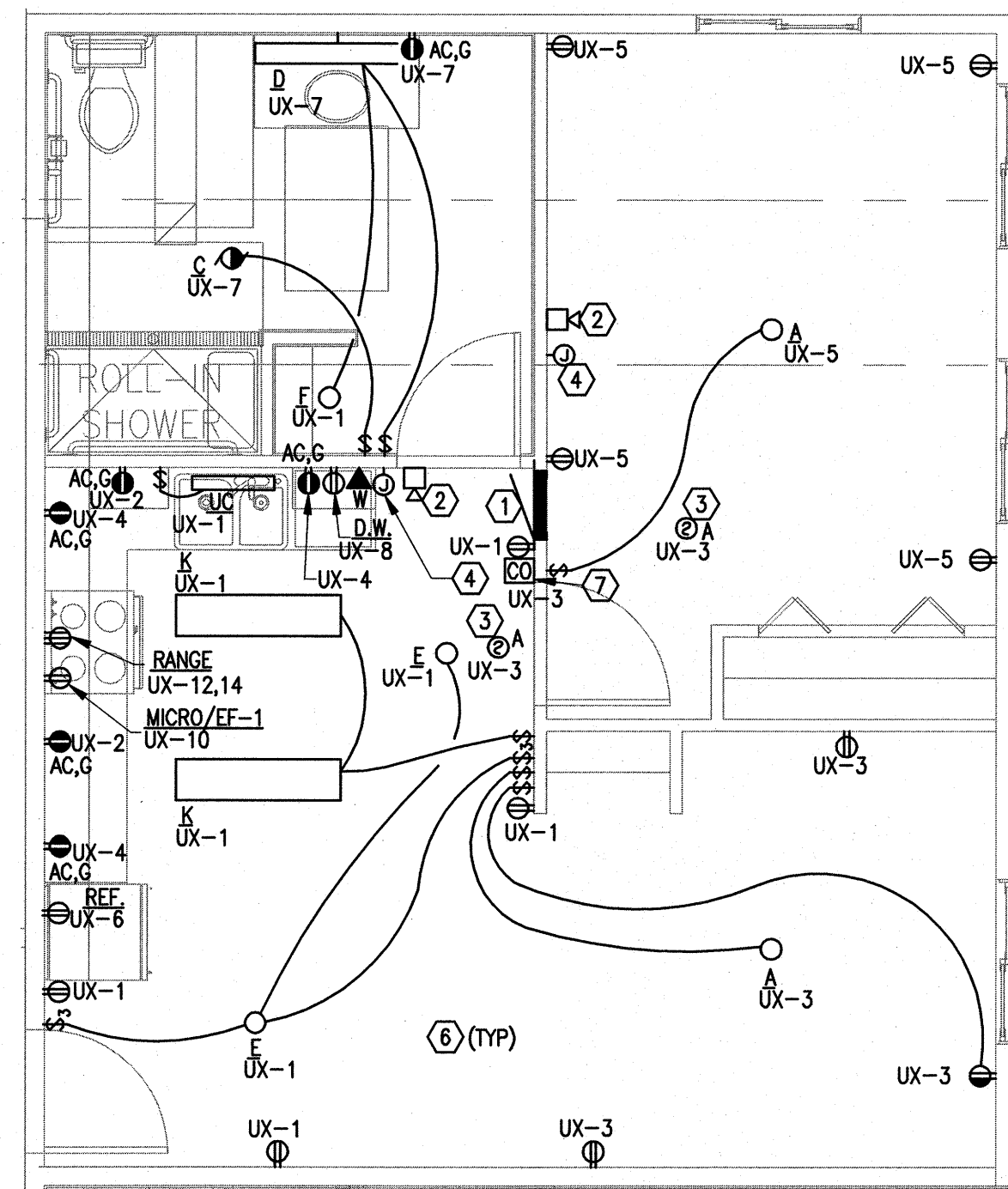
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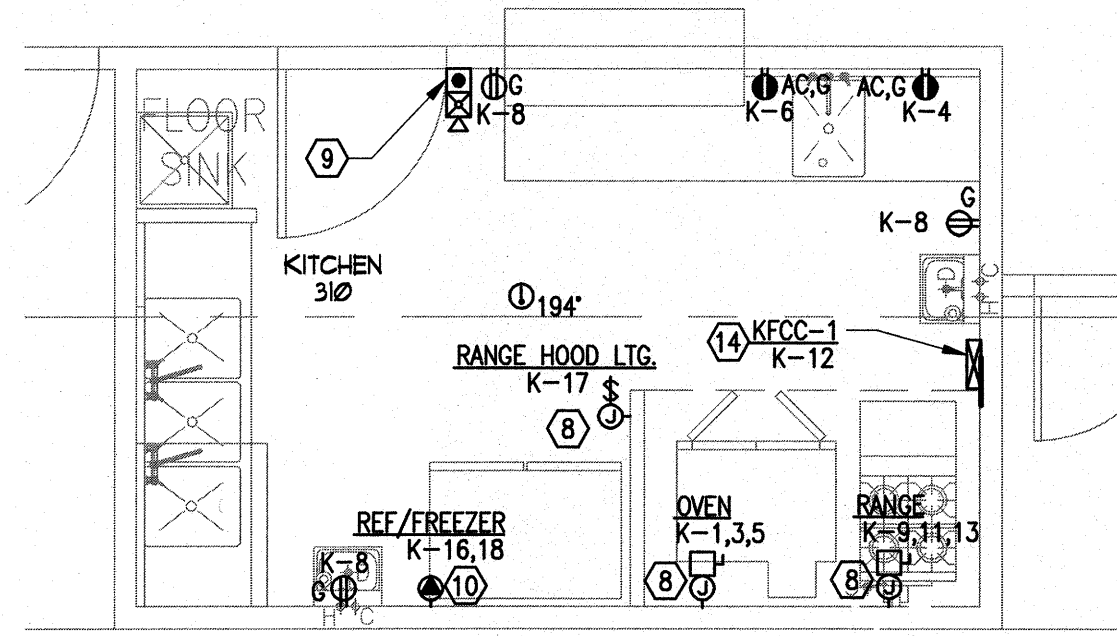
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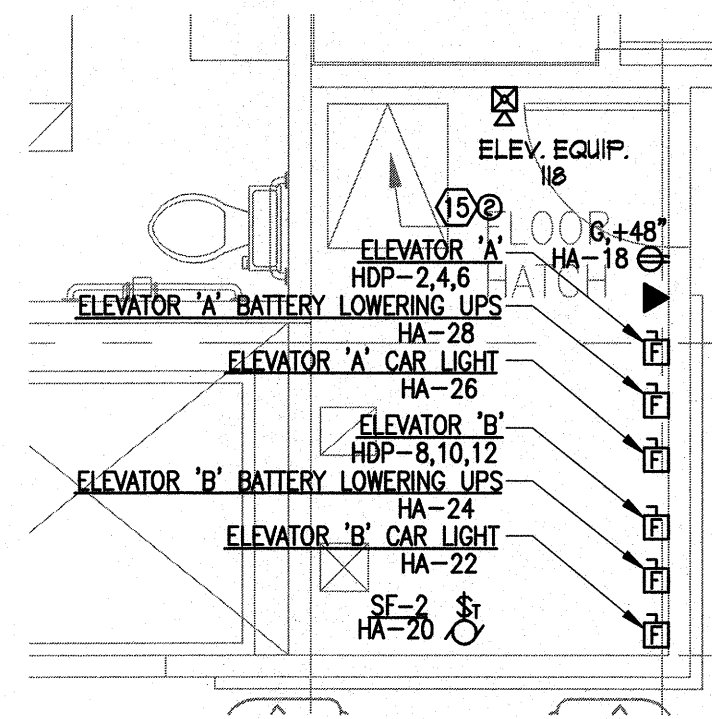
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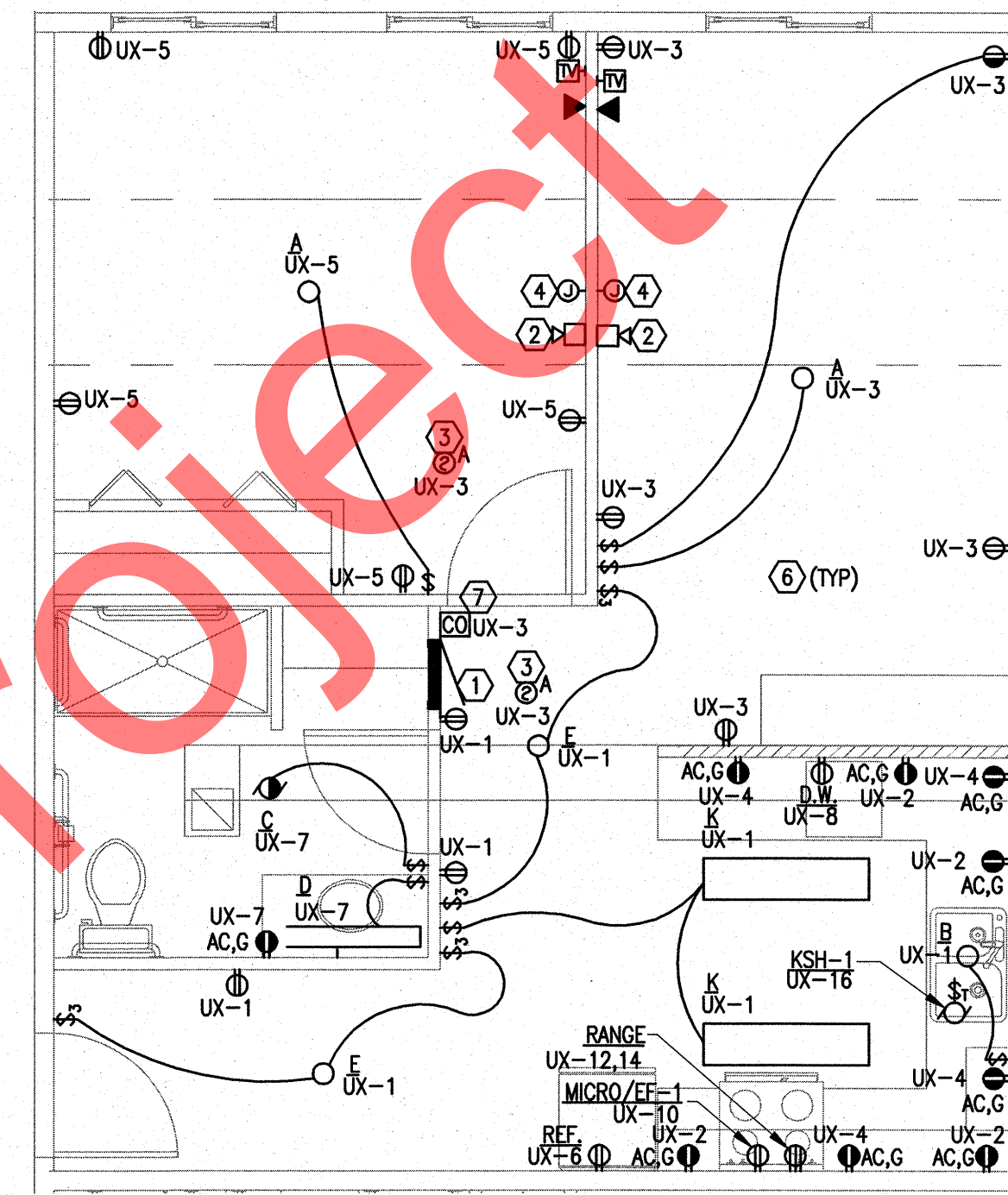
1
ENLARGED SCALE
ELECTRICAL PLAN - UNIT 120
E4.4 SCALE: 1/4" = 1'-0"



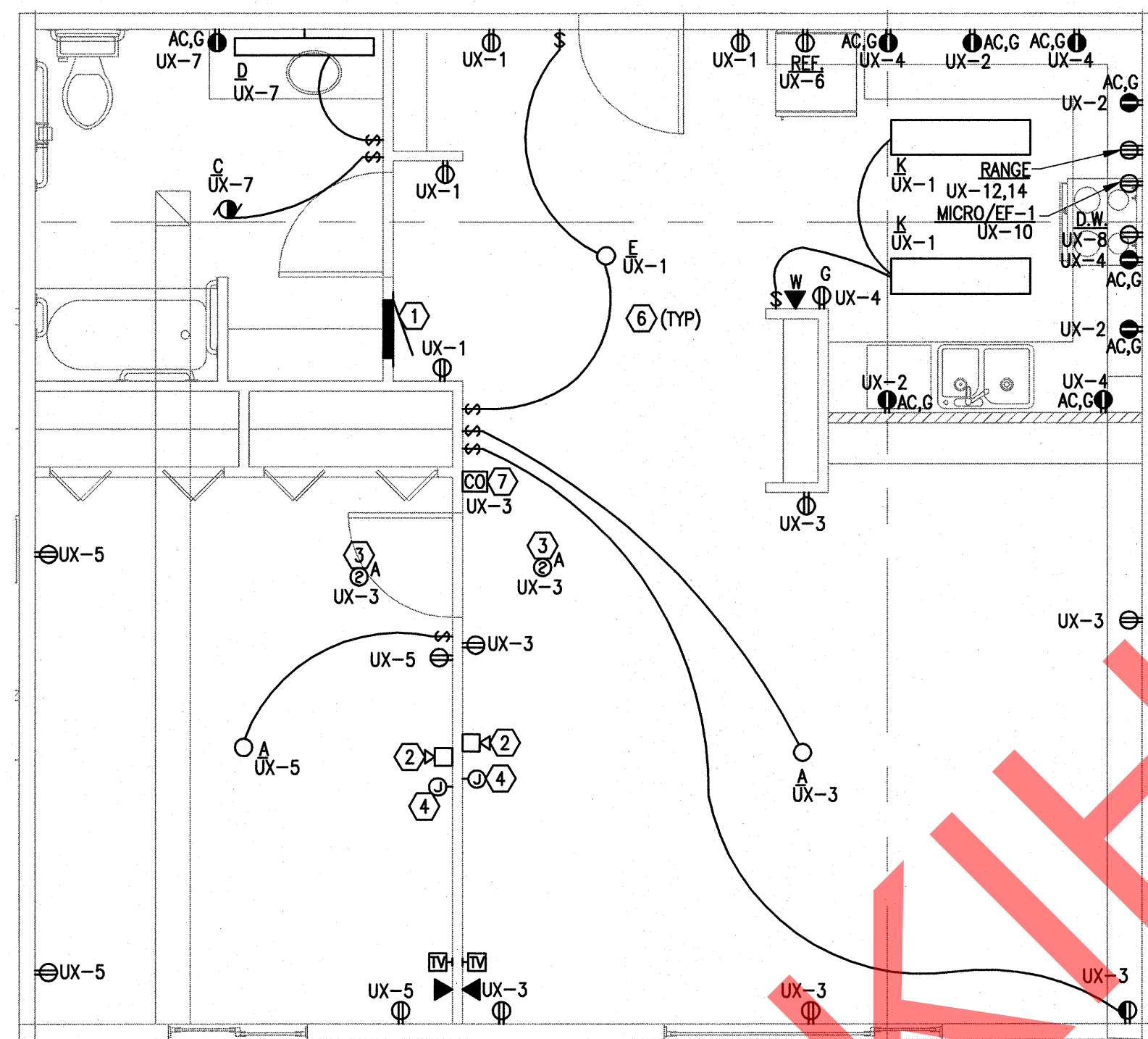
2
ENLARGED SCALE
ELECTRICAL PLAN - KITCHEN 310
E4.4 SCALE: 1/4" = 1'-0"



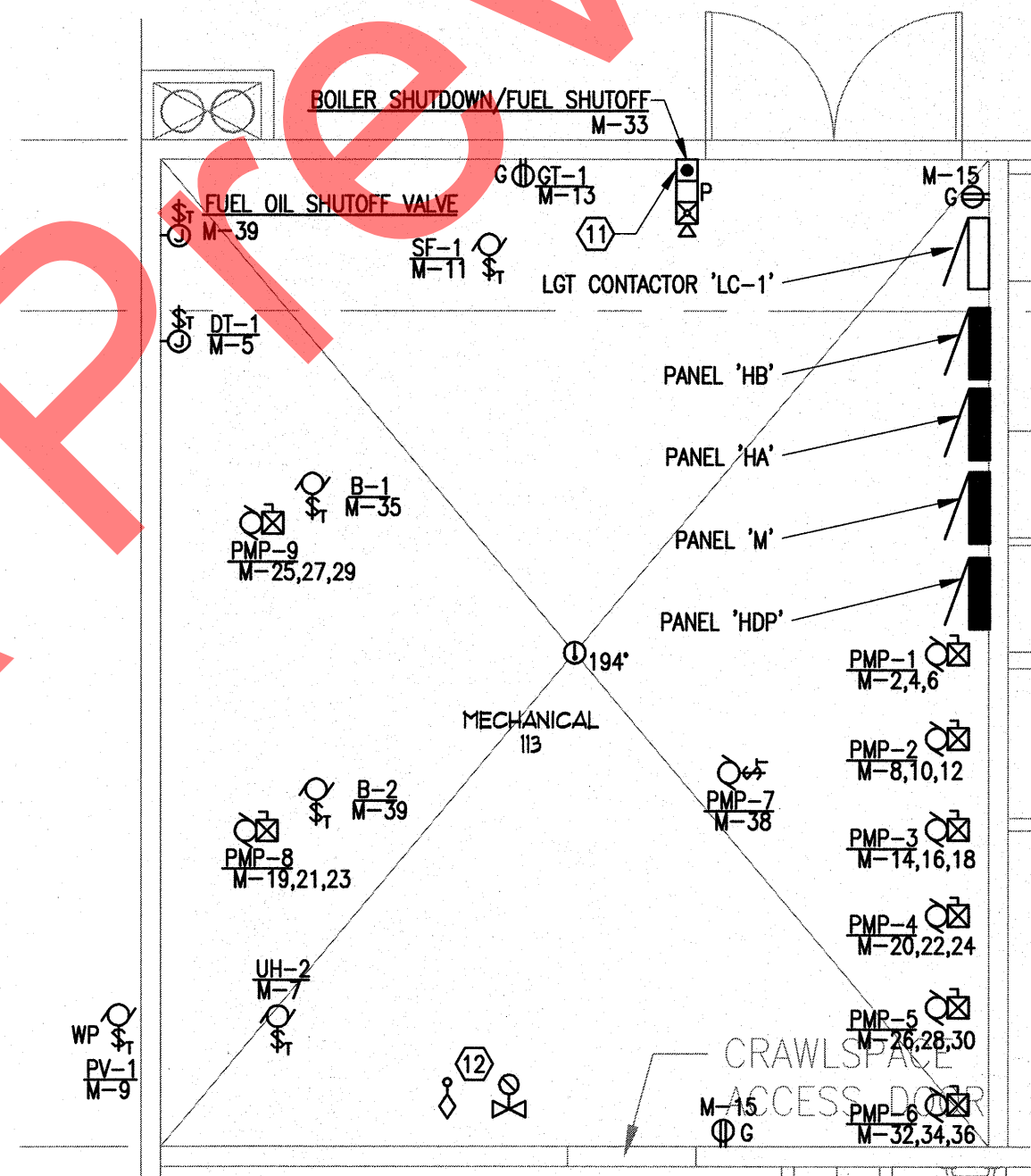
3
ENLARGED SCALE
ELECTRICAL PLAN - ELEVATOR EQUIPMENT ROOM 118
E4.4 SCALE: 1/4" = 1'-0"



6
ENLARGED SCALE
ELECTRICAL PLAN - UNIT 312
E4.4 SCALE: 1/4" = 1'-0"



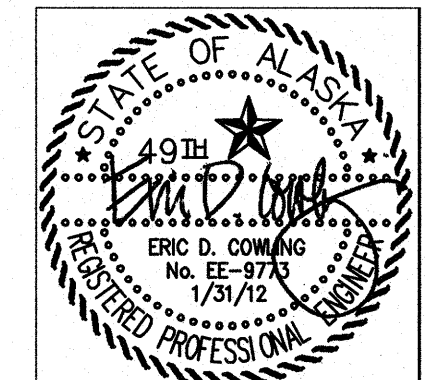
4
ENLARGED SCALE
ELECTRICAL PLAN - UNITS 123 & 214
E4.4 SCALE: 1/4" = 1'-0"



5
ENLARGED SCALE
ELECTRICAL PLAN - MECHANICAL ROOM 113
E4.4 SCALE: 1/4" = 1'-0"

SHEET NOTES

- 1 PANEL IN TYPICAL UNIT. EACH UNIT'S PANEL TO BE NAMED "UX" REPLACING "X" WITH THE UNIT'S NUMBER. FOR EXAMPLE, THE PANEL IN UNIT 201 IS NAMED PANEL "U201".
- 2 PROVIDE INDICATION DEVICES FOR COMMON AREA FIRE ALARM SYSTEM. REFER TO ONE LINE DIAGRAM AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PROVIDE VISUAL AND AUDIBLE INDICATING DEVICES IN UNITS IDENTIFIED ON THE ARCHITECTURAL DRAWINGS AS "ADA ACCESSIBLE". PROVIDE AUDIBLE INDICATING DEVICES IN ALL OTHER UNITS, WITH THE ABILITY TO UPGRADE ANY UNIT TO INCLUDE HORN/STROBE FOR USE AS A HANDICAP UNIT IN THE FUTURE.
- 3 PROVIDE WALL-MOUNTED VISUAL INDICATING DEVICES CONNECTED TO THE TANDEM SMOKE ALARMS IN UNITS IDENTIFIED ON THE ARCHITECTURAL DRAWINGS AS "ADA ACCESSIBLE". PROVIDE THE ABILITY TO UPGRADE THE TANDEM SMOKE ALARMS IN ALL OTHER UNITS WITH WALL-MOUNTED VISUAL INDICATING DEVICE FOR FUTURE USE AS A HANDICAP UNIT.
- 4 VISUAL INDICATING DEVICE LOCATION IN BEDROOMS SHALL BE A MAXIMUM OF 16' FROM THE HEAD OF BED LOCATION.
- 5 MOUNT KITCHEN ISLAND RECEPTACLES NO MORE THAN 12 INCHES BELOW THE COUNTER TOP. COORDINATE INSTALLATION WITH BASE CABINETS AND DRAWERS.
- 6 CONTRACTOR TO MAINTAIN 1-HOUR CEILING/FLOOR/WALL ASSEMBLY FIRE RATING USING FIRE STOP AROUND ALL PENETRATIONS AND FIRE RATED BOXES FOR ALL RECESSED EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED CEILING, FLOOR AND WALL ASSEMBLIES. "TENMAT" FIRE RATED LIGHT COVERS ARE ACCEPTABLE IN LIEU OF FIRE RATED LUMINAIRES.
- 7 PROVIDE A 120V CO DETECTOR, WIRED IN TANDEM WITH THE SMOKE DETECTORS IN THE SAME UNIT. MOUNT CO DETECTOR ON WALL AT 18" AFF.
- 8 SHUNT TRIP THE RANGE HOOD LIGHTING CIRCUIT AND ALL POWER CIRCUITS LOCATED UNDER THE RANGE HOOD AND CLOSE GAS SHUTOFF VALVE UPON ACTIVATION OF THE RANGE HOOD FIRE SUPPRESSION SYSTEM.
- 9 RANGE HOOD FIRE SUPPRESSION PUSH BUTTON.
- 10 PROVIDE A NEMA 14-20R RECEPTACLE.
- 11 PROVIDE RED MUSHROOM PUSHBUTTON FOR SIMULTANEOUS EMERGENCY SHUTDOWN OF BOTH BOILERS AND CLOSING OF THE REMOTE FUEL OIL SHUTOFF VALVE LOCATED ON THE "FUEL OIL SUPPLY" LINE TO THE FUEL OIL DAY TANK. COORDINATE WITH THE MECHANICAL CONTRACTOR. CONNECT SUCH THAT PUSHBUTTON WILL SHUNTTRIP BOTH BOILER CIRCUITS M-1 AND M-3. PROVIDE PUSH BUTTON GUARD TO PREVENT ACCIDENTAL ACTIVATION AND PROVIDE ENGRAVED LABELS FOR THE BOILER EMERGENCY SHUTDOWN PUSHBUTTON.
- 12 MONITOR THE SPRINKLER TAMPER SWITCH AND SPRINKLER FLOW SWITCH WITH THE FIRE ALARM CONTROL PANEL, SEE DETAIL 3/E5.2.
- 13 FIELD COORDINATE NEC WORKING CLEARANCE IN FRONT OF ALL ELECTRICAL PANELBOARDS.
- 14 KITCHEN HOOD FIRE SUPPRESSION CONTROLS ARE INCLUDED IN THE KFCC-1 CONTROL PANEL.
- 15 PROVIDE SMOKE DETECTOR MONITORED BY THE FIRE ALARM CONTROL PANEL FOR INITIATING THE ELEVATOR RECALL.



Rohde
associates architects
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
pb. (907)696-2960 fax (907)696-2962
arohde@rohdeandassociatesinc.com

NEAR ISLAND SENIOR HOUSING
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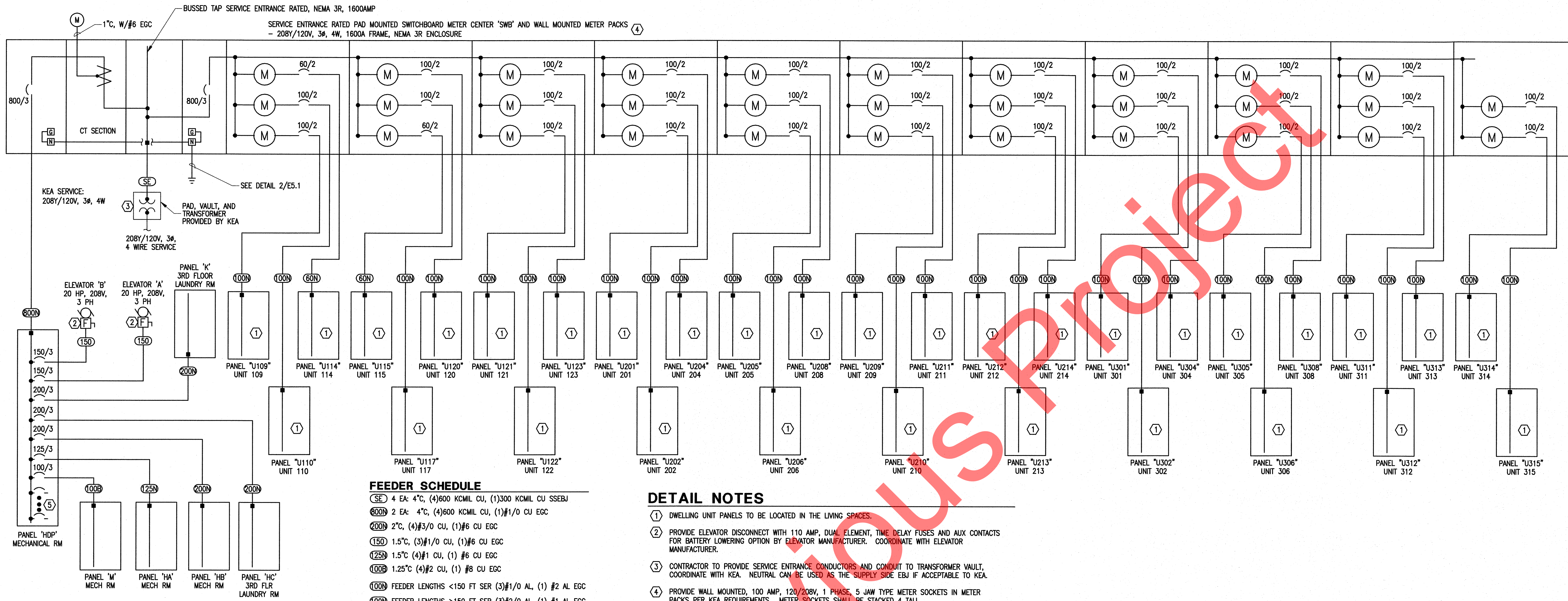
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ELECTRICAL ENGINEERS
6927 OLD SEWARD HWY, SUITE 200 ANCHORAGE, AK 99518
T 907.349.9712 F 907.349.9713 www.eiceng.com
EC JOB #E10-1322

SHEET TITLE:
ENLARGED PLANS

SHEET NO.
E4.4

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FEEDER SCHEDULE

(SE) 4 EA: 4°C, (4)600 KCMIL CU, (1)300 KCMIL CU SSEBJ

(800) 2 EA: 4°C, (4)600 KCMIL CU, (1)#1/0 CU EGC

(200) 2°C, (4)#3/0 CU, (1)#6 CU EGC

(150) 1.5°C, (3)#1/0 CU, (1)#6 CU EGC

(125) 1.5°C (4)#1 CU, (1) #6 CU EGC

(100B) 1.25°C (4)#2 CU, (1) #8 CU EGC

(100) FEEDER LENGTHS <150 FT SER (3)#1/0 AL, (1) #2 AL EGC

(100N) FEEDER LENGTHS >150 FT SER (3)#2/0 AL, (1) #1 AL EGC

(60N) SER (3)#2 AL, (1) #4 AL EGC

SERIES RATED EQUIPMENT IS ACCEPTABLE
 CU = COPPER CONDUCTORS
 AL = ALUMINUM CONDUCTORS

- DETAIL NOTES**
- DWELLING UNIT PANELS TO BE LOCATED IN THE LIVING SPACES.
 - PROVIDE ELEVATOR DISCONNECT WITH 110 AMP, DUAL ELEMENT, TIME DELAY FUSES AND AUX CONTACTS FOR BATTERY LOWERING OPTION BY ELEVATOR MANUFACTURER. COORDINATE WITH ELEVATOR MANUFACTURER.
 - CONTRACTOR TO PROVIDE SERVICE ENTRANCE CONDUCTORS AND CONDUIT TO TRANSFORMER VAULT, COORDINATE WITH KEA. NEUTRAL CAN BE USED AS THE SUPPLY SIDE EBJ IF ACCEPTABLE TO KEA.
 - PROVIDE WALL MOUNTED, 100 AMP, 120/208V, 1 PHASE, 5 JAW TYPE METER SOCKETS IN METER PACKS PER KEA REQUIREMENTS. METER SOCKETS SHALL BE STACKED 4 TALL.
 - PROVIDE SPACES FOR (7) 200 AMP 3 POLE CIRCUIT BREAKERS.

EQUIPMENT SCCR SCHEDULE

ALL EQUIPMENT TO HAVE SCCR EXCEEDING THE AVAILABLE SCA AT THE CALCULATED X/R RATIO. WHERE X/R RATIO IS GREATER THAN THE INDUSTRY STANDARD TEXT X/R RATIOS THE APPROPRIATE MULTIPLICATION FACTOR SHALL BE APPLIED TO PROPERLY RATE THE EQUIPMENT.

DOWNSTREAM EQUIPMENT AND CIRCUIT BREAKER RATINGS MAY BE SATISFIED BY USING FULLY RATED EQUIPMENT OR UL-LISTED SERIES RATED CIRCUIT BREAKERS RATED FOR THE AVAILABLE SCA AT EQUIPMENT. SERIES RATED EQUIPMENT MOTOR LOADS CANNOT EXCEED 1% OF AIC RATING PER NEC 240.88(C).

EQUIPMENT ID	SCAmps	X/R
SWITCHBOARD	51,080	2.64
PANEL 'HDP'	44,697	2.38
PANEL 'M'	40,201	1.61
PANEL 'HA'	39,541	1.67
PANEL 'HB'	39,727	1.84
PANEL 'HC'	17,230	0.82
PANEL 'K'	18,107	0.80
PNL 'UX' < 22 FT FROM METER	43,596	1.53
PNL 'UX' 22 TO 42 FT FROM METER	21,913	0.60
PNL 'UX' 42 TO 62 FT FROM METER	13,753	0.42
PNL 'UX' > 62 FT FROM METER	9,951	0.34
ELEVATOR 'A'	9,428	0.49
ELEVATOR 'B'	9,428	0.49

ASSUMED UTILITY SYSTEM CONFIGURATION

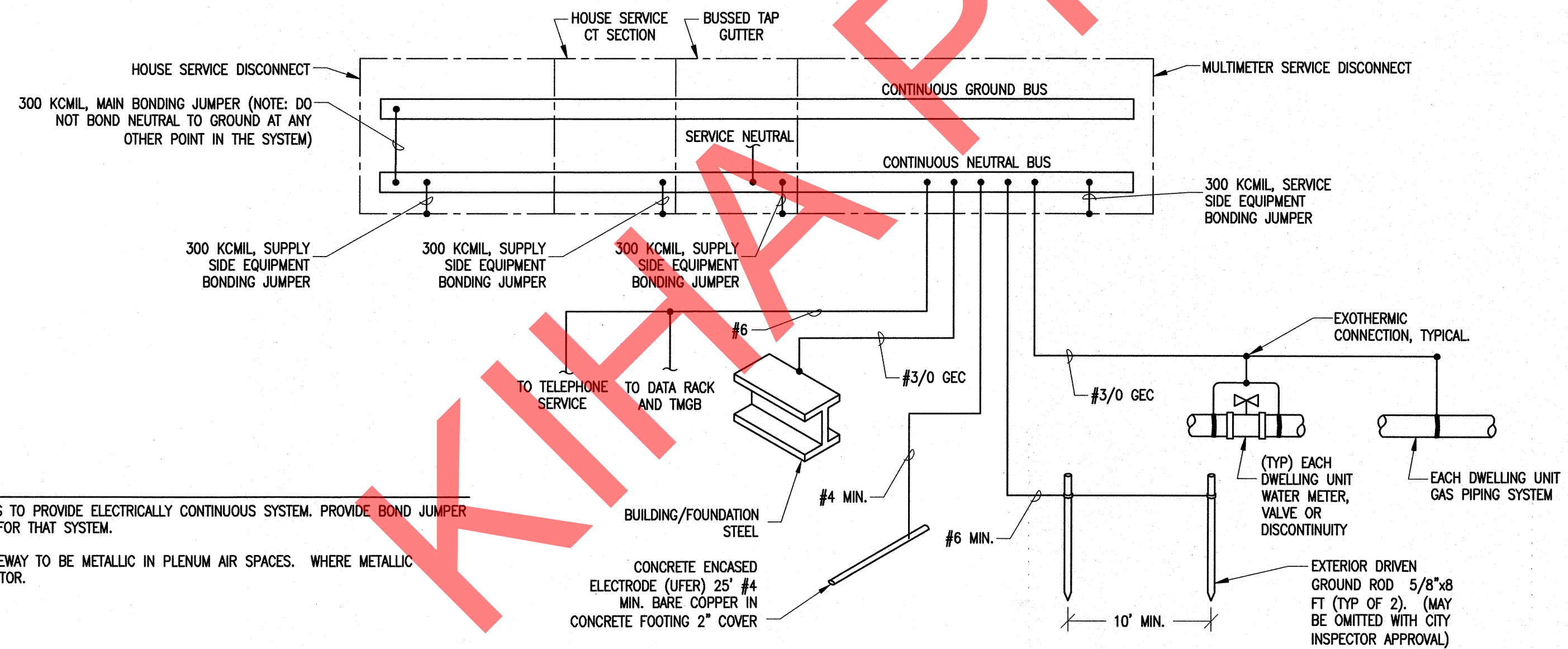
TRANSFORMER
 300 KVA; 1.4 %Z; 3.14 X/R
 SCA(PRL): INFINITE SCA(SEC.): 60,625

CONDUCTORS (TRANSFORMER SECONDARY)
 PER PHASE
 CU Multi., 4 EA., #600, 50 FT, RACEWAY = NON-METAL

CONTRACTOR TO VERIFY ACTUAL EQUIPMENT TO BE PROVIDED WITH SERVING UTILITY PRIOR TO EQUIPMENT PROCUREMENT. ANY DECREASE OF TRANSFORMER %Z, CONDUCTOR LENGTHS, OR INCREASE IN TRANSFORMER KVA OR CABLE SIZES TO BE REPORTED TO CONTRACT OFFICER.

1 POWER ONE-LINE DIAGRAM

E5.1 SCALE: NONE

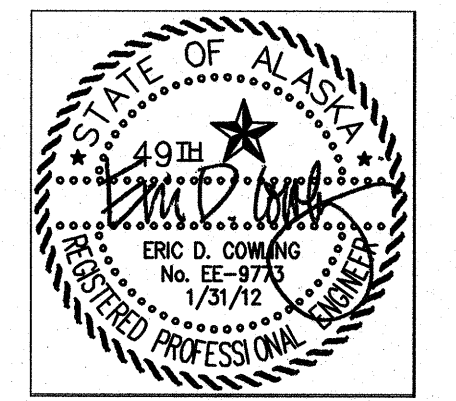


DETAIL NOTES

- BOND ALL PIPING AND BUILDING DISCONTINUITIES TO PROVIDE ELECTRICALLY CONTINUOUS SYSTEM. PROVIDE BOND JUMPER EQUAL TO GROUNDING ELECTRODE CONDUCTOR FOR THAT SYSTEM.
- PROVIDE RACEWAY FOR ALL CONDUCTORS. RACEWAY TO BE METALLIC IN PLENUM AIR SPACES. WHERE METALLIC RACEWAY IS USED BOND EACH END TO CONDUCTOR.

2 GROUNDING SYSTEM ONE-LINE DIAGRAM

E5.1 SCALE: NONE



Rohde
 associates architects
 architecture planning design/build

11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 ph. (907)696-2960 fax (907)696-2962
 rohde@rohdeandassociatesinc.com

NEAR ISLAND SENIOR HOUSING
 182 ALIMAK DRIVE
 KODIAK, ALASKA

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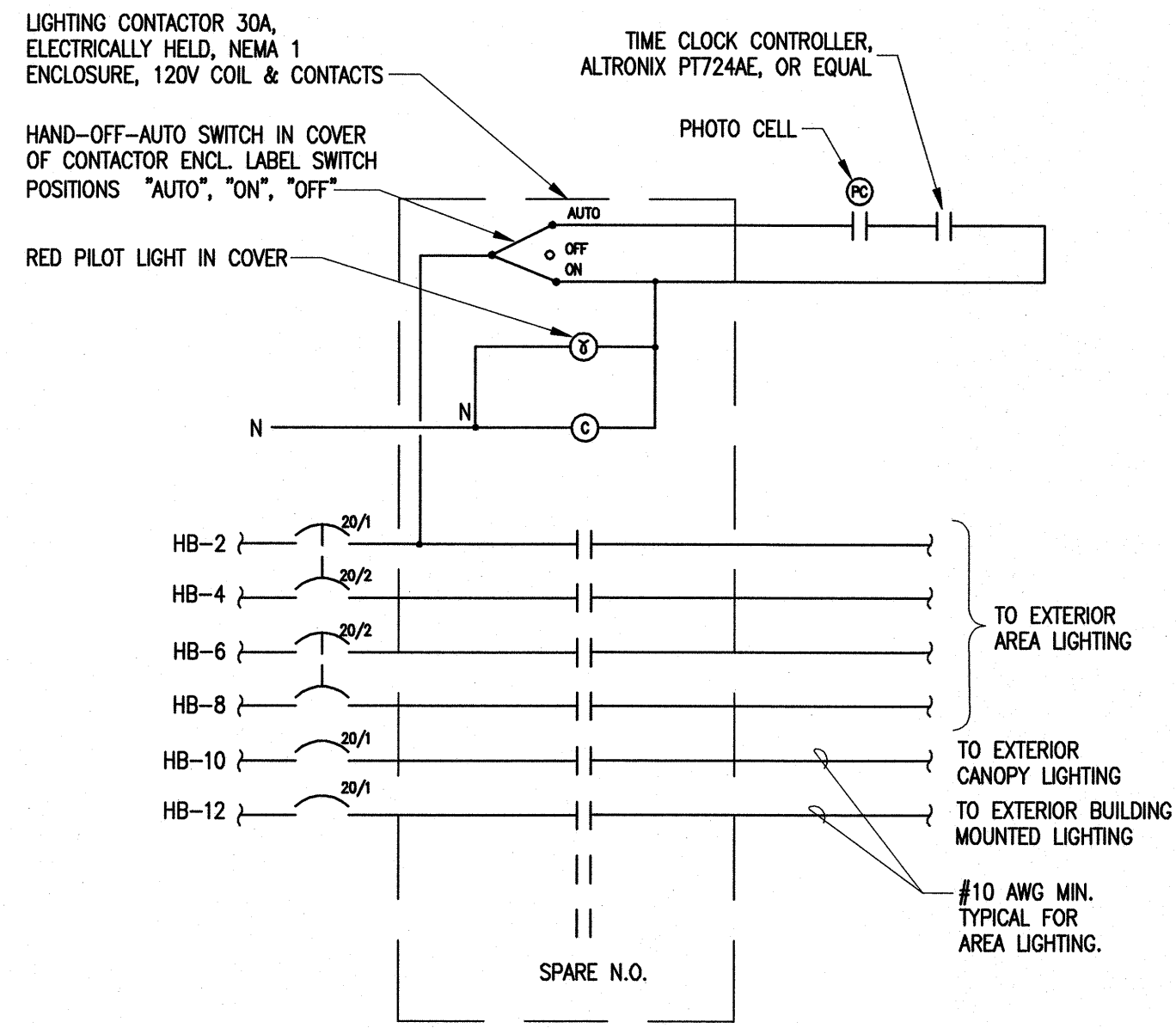
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 T 907.349.9712 F 907.349.9713 www.eiceng.com
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SHEET TITLE:
 POWER ONE-LINE DIAGRAM

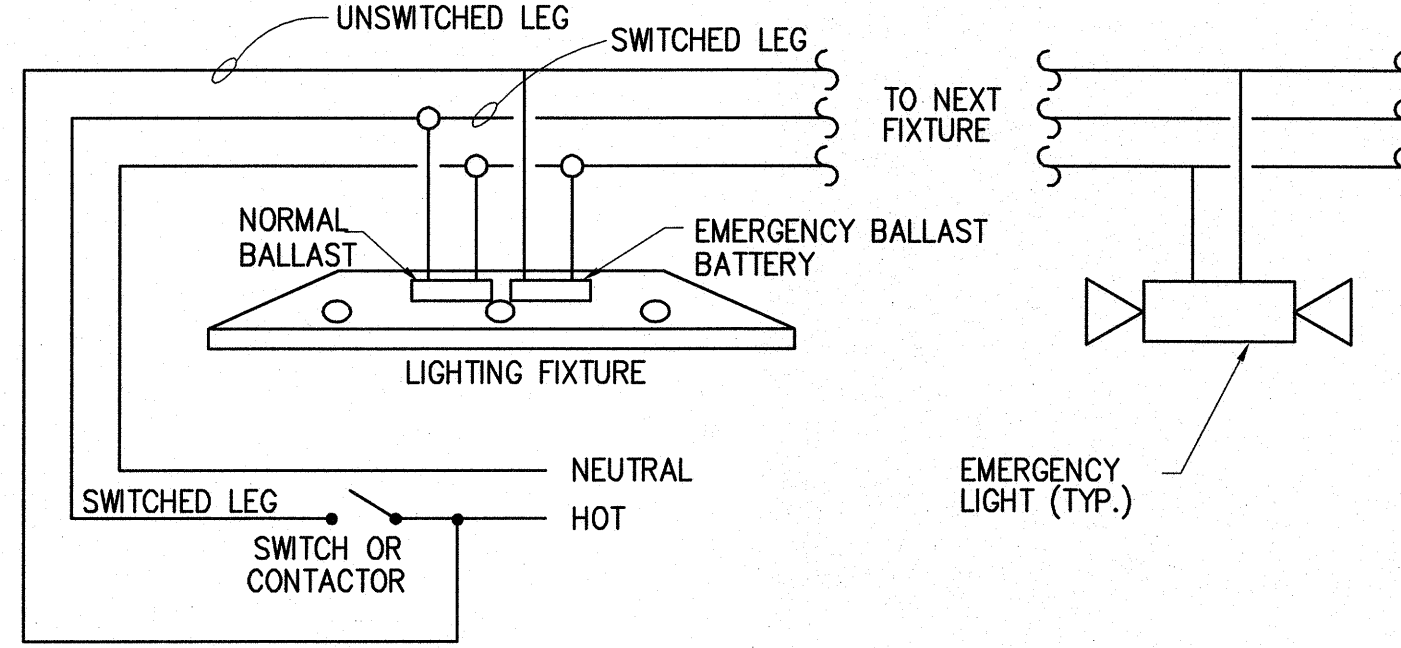
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DETAIL NOTES

1. CONTACTOR & CONTROLS SHOWN WITH LIGHTING DE-ENERGIZED OR "OFF"
2. MOUNT PHOTOCELL ON NORTH SIDE OF BUILDING BELOW ROOF LINE.

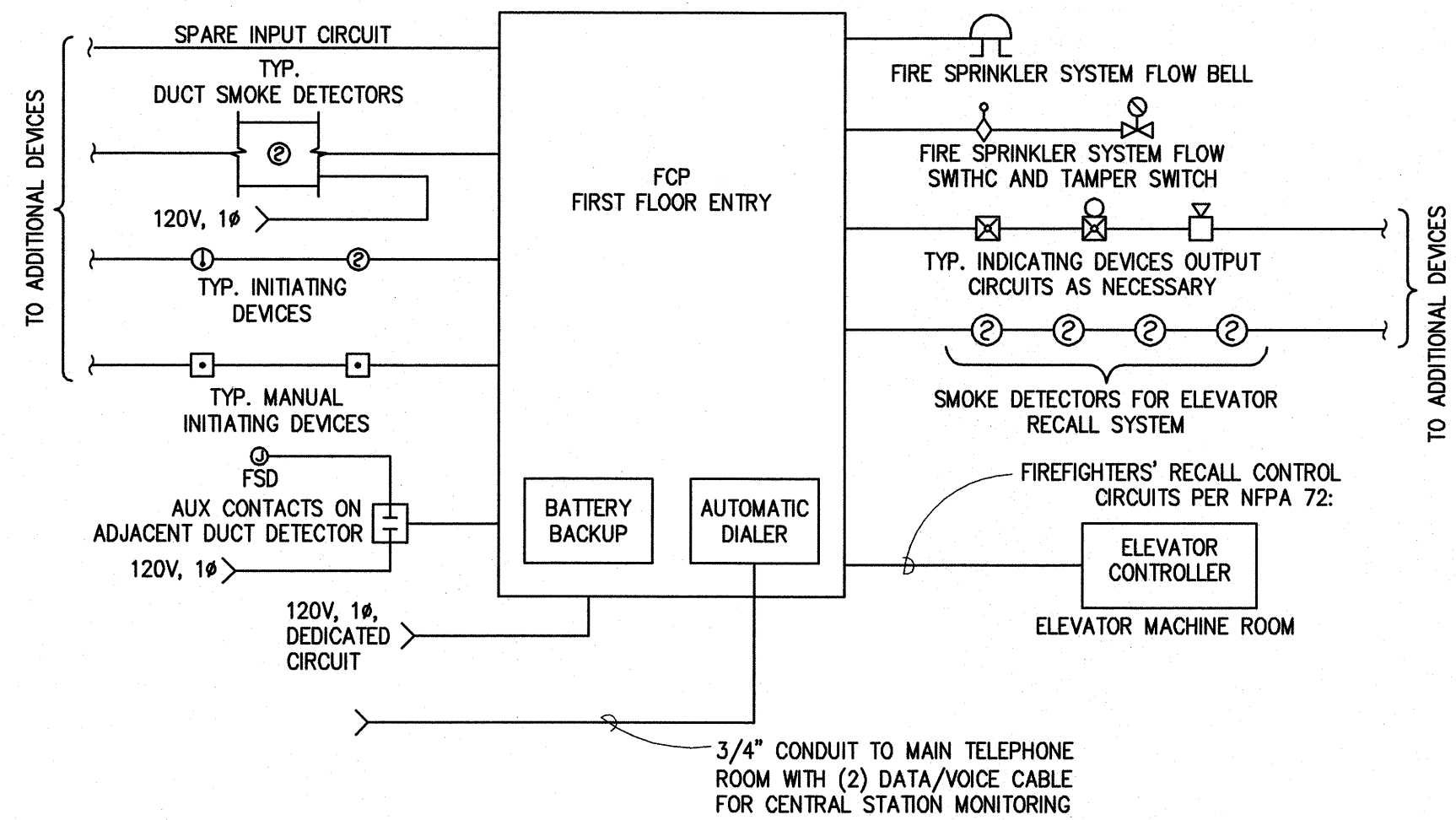


DETAIL NOTES

1. EMERGENCY FIXTURES TO BE CONNECTED TO LOCAL LIGHTING CIRCUIT TO ILLUMINATE WHEN UNSWITCHED LEG CIRCUIT FAILS NO MATTER WHAT STATE LIGHTING IS OPERATING.

1 SITE LIGHTING CONTACTOR 'LC-1' DIAGRAM
E5.2 SCALE: NONE

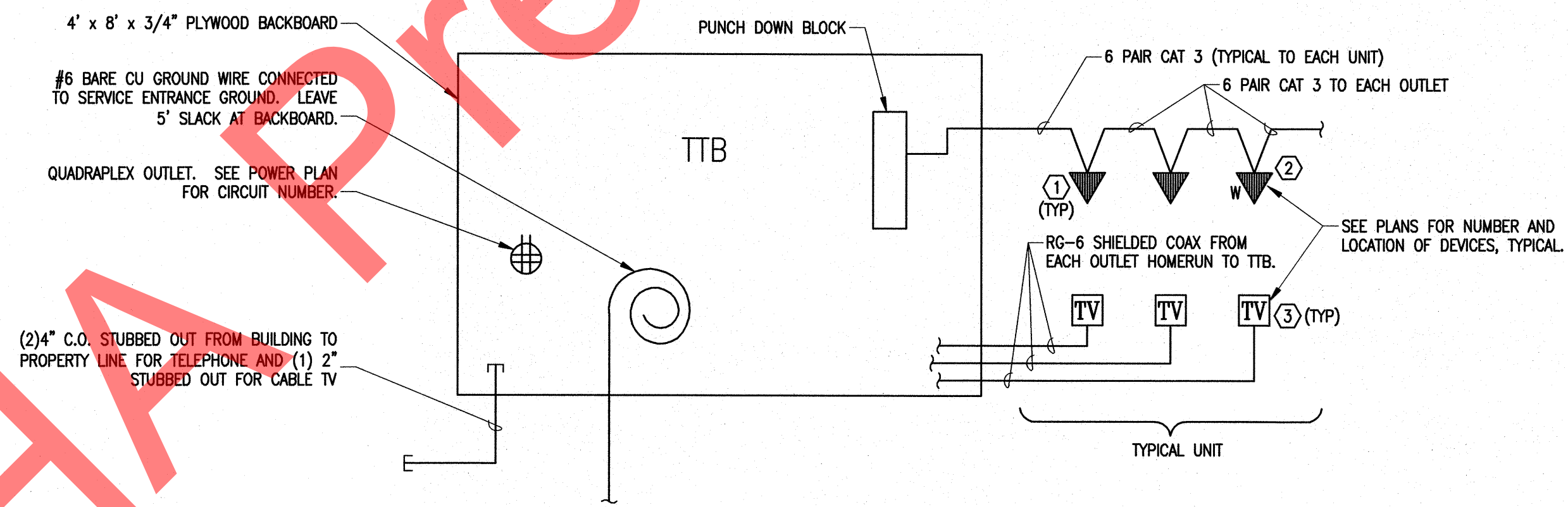
2 EMERGENCY LIGHTING CONNECTION DIAGRAM
E5.2 SCALE: NONE



DETAIL NOTES

1. SEE FLOOR PLANS FOR DEVICE QUANTITIES, LOCATIONS, AND ADDITIONAL REQUIREMENTS.
2. INTERLOCK AIR HANDLING UNITS WITH DUCT SMOKE DETECTORS TO SHUT DOWN THE UNIT UPON DETECTION OF SMOKE.
3. PROVIDE NECESSARY INPUT AND OUTPUT DEVICE CIRCUITS FOR QUANTITY SHOWN ON THE FLOOR PLANS. ALLOW 25% SPARE CAPACITY IN EACH CIRCUIT.
4. FIRE ALARM CONTROL PANEL SHALL MONITOR ELEVATOR RECALL SMOKE DETECTORS AND INITIATE THE ELEVATOR RECALL THROUGH OUTPUT RELAYS CONNECTED TO THE ELEVATOR CONTROLLER AS REQUIRED BY NFPA 72.
5. PROVIDE SHOP DRAWING OF SYSTEM DESIGN TO FIRE MARSHAL CERTIFIED BY NICET LEVEL 3 REGISTERED DESIGNER.
6. PROVIDE 100% FUNCTIONAL TEST UPON COMPLETION OF THE SYSTEM INSTALLATION PER NFPA REQUIREMENTS.
7. DWELLING UNIT SMOKE DETECTOR ACTIVATION CAUSES LOCAL ALARM IN THAT UNIT ONLY.
8. INDICATING DEVICES IN DWELLING TO ACTIVATE UPON DETECTION OF SMOKE IN THE ROOM OR ANY OTHER GENERAL ALARM.

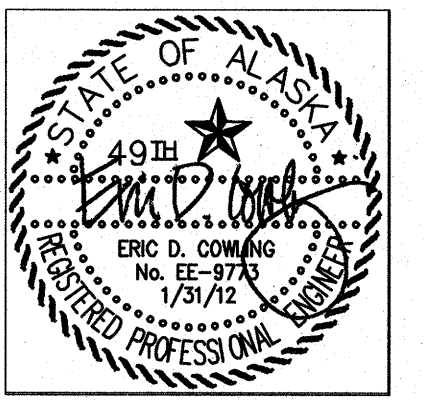
3 FIRE ALARM ONE-LINE DIAGRAM
E5.2 SCALE: NONE



DETAIL NOTES

- ① TERMINATE ON TWO PORT DEVICE PLATE.
- ② PROVIDE WALL MOUNT PHONE DEVICE PLATE.
- ③ TERMINATE ON COAX STUD IN DEVICE PLATE.

4 TELEPHONE AND CABLE TV ONE-LINE DIAGRAM
E5.2 SCALE: NONE



Rohde & Associates architects
architecture planning design/build
11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
ph. (907) 696-2960 fax (907) 696-2962
arohde@rohdeandassociatesinc.com

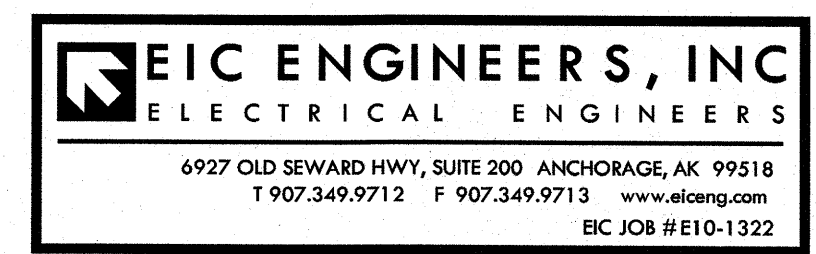
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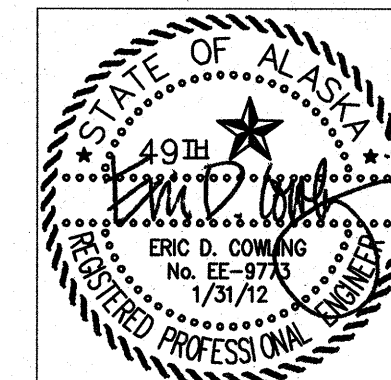
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SHEET TITLE:
ELECTRICAL DETAILS

SHEET NO.
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Rohde & Associates architects
 architecture planning design/build
 11925 Old Glenn Hwy., Suite 201, Eagle River, AK 99577
 Ph: (907) 696-2960 Fax: (907) 696-2962
 archde@rohdeandassociatesinc.com

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SHEET TITLE:
PANEL SCHEDULES

SHEET NO.
E6.2

VOLTAGE: 208/120V, 1PH, 3W
 BUS: 100
 MAIN LUGS ONLY - FED BY 100A CB

PANEL "UX"³³ SCHEDULE
 LOCATION: "ONE-BEDROOM UNIT"
 MIN. A.I.C. RATING: SEE 11 LINE ENCLOSURE: NEMA 1 MOUNTING: RECESSED

LOAD DESCRIPTION	NOTE	KVA	LOAD	AMP	P	CKT	A	B	CKT	AMP	P	LOAD DESCRIPTION	NOTE	KVA	LOAD
LTG&REC-KITCHEN ENTRY	1,3	G	20	1	-	2	-	20	1	1	1	REC-KITCHEN	1		G
LTG&REC-LIVING ROOM SMOKE&CO	1,3	G	20	1	-	3	-	4	-	20	1	REC-KITCHEN	1		G
LTG&REC-BEDROOM	1,3	G	20	1	-	5	-	6	-	20	1	REC-REFRIGERATOR	1		G
LTG&REC-BATHROOM	1	G	20	1	-	7	-	8	-	20	1	REC-DISHWASHER	1	1.20	A
SPARE	3	S	20	1	-	9	-	10	-	20	1	REC-MICROWAVE/EF-1	1	1.20	A
SPARE	3	S	20	1	-	11	-	12	-	50	2	REC-RANGE	1	8.00	E
SPARE	3	S	20	1	-	13	-	14	-	-	-	-	-	-	-
- SPACE -	3	S	20	1	-	15	-	16	-	20	1	KSH-1 OR KSH-2	2	0.18	A
- SPACE -	3	S	20	1	-	17	-	18	-	20	1	SPARE			S

SUMMARY BY LOAD TYPE	PH A	PH B	FEED	TOTAL KVA	NEC %	NEC TOTAL	NOTES:
G GENERAL LOADS	3.7	3.7	7.4	N/A	4.5	1. NEC 220.42 (DWELLING UNITS):	
A APPLIANCE	1.2	1.4	2.6	0.75	1.9	3,000VA*100% : 3,001 - 120,000VA*35% : OVER 120,000VA*25%	
E ELECTRIC RANGE	4.0	4.0	8.0	1.00	8.0	GENERAL LOAD CALCULATIONS BASED ON LARGEST ONE-BEDROOM UNIT OF 966 SQUARE FEET.	
L LIGHTING						2. WHERE KSH-1 OR KSH-2 IS NOT SHOWN IN THE DWELLING UNIT, PROVIDE SPARE 20 AMP CIRCUIT BREAKER.	
R RECEPTACLES						3. PROVIDE A COMBINATION ARC-FAULT CIRCUIT-INTERRUPTER/ CIRCUIT BREAKER.	
W MOTORS							
LM LARGEST MOTOR							
C CONTINUOUS							
N NON-CONTINUOUS							
S SPARE							
X NON-COINCIDENT							
K KITCHEN							
D DRYER							
O OTHER							
ETR EXISTS TO REMAIN							
F FEEDER							
TOTAL KVA (PHASE)	8.9	9.1	18.0		14.5		
TOTAL AMPERES	74.2	75.7	86.5		69.6		
PHASE BALANCE, ABC	A-B						
PERCENT	2.0%						

VOLTAGE: 208/120V, 1PH, 3W
 BUS: 100
 MAIN LUGS ONLY - FED BY 100A CB

PANEL "UX"³³ SCHEDULE
 LOCATION: "TWO-BEDROOM UNIT"
 MIN. A.I.C. RATING: SEE 11 LINE ENCLOSURE: NEMA 1 MOUNTING: RECESSED

LOAD DESCRIPTION	NOTE	KVA	LOAD	AMP	P	CKT	A	B	CKT	AMP	P	LOAD DESCRIPTION	NOTE	KVA	LOAD
LTG&REC-KITCHEN ENTRY	1,3	G	20	1	-	1	-	2	-	20	1	REC-KITCHEN	1		G
LTG&REC-LIVING ROOM SMOKE&CO	1,3	G	20	1	-	3	-	4	-	20	1	REC-KITCHEN	1		G
LTG&REC-BEDROOM 1 AND 2	1,3	G	20	1	-	5	-	6	-	20	1	REC-REFRIGERATOR	1		G
LTG&REC-BATHROOM	1	G	20	1	-	7	-	8	-	20	1	REC-DISHWASHER	1	1.20	A
SPARE	3	S	20	1	-	9	-	10	-	20	1	REC-MICROWAVE/EF-1	1	1.20	A
SPARE	3	S	20	1	-	11	-	12	-	50	2	REC-RANGE	1	8.00	E
SPARE	3	S	20	1	-	13	-	14	-	-	-	-	-	-	-
- SPACE -	3	S	20	1	-	15	-	16	-	20	1	KSH-1 OR KSH-2	2	0.18	A
- SPACE -	3	S	20	1	-	17	-	18	-	20	1	SPARE			S

SUMMARY BY LOAD TYPE	PH A	PH B	FEED	TOTAL KVA	NEC %	NEC TOTAL	NOTES:
G GENERAL LOADS	4.0	4.0	8.1	N/A	4.8	1. NEC 220.42 (DWELLING UNITS):	
A APPLIANCE	1.2	1.4	2.6	0.75	1.9	3,000VA*100% : 3,001 - 120,000VA*35% : OVER 120,000VA*25%	
E ELECTRIC RANGE	4.0	4.0	8.0	1.00	8.0	GENERAL LOAD CALCULATIONS BASED ON LARGEST TWO-BEDROOM UNIT OF 1,197 SQUARE FEET.	
L LIGHTING						2. WHERE KSH-1 OR KSH-2 IS NOT SHOWN IN THE DWELLING UNIT, PROVIDE SPARE 20 AMP CIRCUIT BREAKER.	
R RECEPTACLES						3. PROVIDE A COMBINATION ARC-FAULT CIRCUIT-INTERRUPTER/ CIRCUIT BREAKER.	
W MOTORS							
LM LARGEST MOTOR							
C CONTINUOUS							
N NON-CONTINUOUS							
S SPARE							
X NON-COINCIDENT							
K KITCHEN							
D DRYER							
O OTHER							
ETR EXISTS TO REMAIN							
F FEEDER							
TOTAL KVA (PHASE)	9.2	9.4	18.7		14.7		
TOTAL AMPERES	77.0	78.6	89.8		70.8		
PHASE BALANCE, ABC	A-B						
PERCENT	2.0%						

VOLTAGE: 208/120V, 1PH, 3W
 BUS: 80
 MAIN LUGS ONLY - FED BY 60A CB

PANEL "UX"³³ SCHEDULE
 LOCATION: "OVERNIGHT GUEST UNIT"
 MIN. A.I.C. RATING: SEE 11 LINE ENCLOSURE: NEMA 1 MOUNTING: RECESSED

LOAD DESCRIPTION	NOTE	KVA	LOAD	AMP	P	CKT	A	B	CKT	AMP	P	LOAD DESCRIPTION	NOTE	KVA	LOAD
LTG&REC-ENTRY	1,2	G	20	1	-	1	-	2	-	20	1	SPARE			S
LTG&REC-BEDROOM SMOKE&CO	1,2	G	20	1	-	3	-	4	-	20	1	SPARE			S
LTG&REC-BATHROOM	1	G	20	1	-	5	-	6	-	20	1	SPARE			S
SPARE	2	S	20	1	-	7	-	8	-	20	1	SPARE			S
SPARE	2	S	20	1	-	9	-	10	-	20	1	SPARE			S
- SPACE -	2	S	20	1	-	11	-	12	-	20	1	SPARE			S

SUMMARY BY LOAD TYPE	PH A	PH B	FEED	TOTAL KVA	NEC %	NEC TOTAL	NOTES:
G GENERAL LOADS	0.6	0.6	1.2	N/A	1.2	1. NEC 220.42 (DWELLING UNITS):	
A APPLIANCE						3,000VA*100% : 3,001 - 120,000VA*35% : OVER 120,000VA*25%	
E ELECTRIC RANGE						GENERAL LOAD CALCULATIONS BASED ON THE GUEST UNIT OF 394 SQUARE FEET.	
L LIGHTING						2. PROVIDE A COMBINATION ARC-FAULT CIRCUIT-INTERRUPTER/ CIRCUIT BREAKER.	
R RECEPTACLES							
W MOTORS							
LM LARGEST MOTOR							
C CONTINUOUS							
N NON-CONTINUOUS							
S SPARE							
X NON-COINCIDENT							
K KITCHEN							
D DRYER							
O OTHER							
ETR EXISTS TO REMAIN							
F FEEDER							
TOTAL KVA (PHASE)	0.6	0.6	1.2		1.2		
TOTAL AMPERES	4.9	4.9	5.7		5.7		
PHASE BALANCE, ABC	A-B						
PERCENT	0.0%						

KIHHA Previous Project

EIC ENGINEERS, INC
 ELECTRICAL ENGINEERS
 6927 OLD SEWARD HWY, SUITE 200 ANCHORAGE, AK 99518
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