

KENAI REC CENTER HALLWAY ADDITION

Soldotna, AK 99669

ARCHITECTURE

KLAUDER & COMPANY ARCHITECTS, INC.

606 Petersen Way, Kenai, AK 99611 | office: (907) 283-1919 | fax: (907) 283-0450 | email: klauder@alaska.net

STRUCTURAL

NELSON ENGINEERING

155 Bidarka Street, Kenai, AK 99611 | office: (907) 283-3583 | fax: (907) 283-4514 | email: bnelson@alaska.net

GENERAL NOTES

- THESE DRAWINGS ARE "NOT FOR CONSTRUCTION" DOCUMENTS UNLESS THEY ARE CLEARLY MARKED "FOR CONSTRUCTION." DO NOT SCALE THE DRAWINGS.
- ALL WORK SHALL COMPLY WITH THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE, THE 2009 INTERNATIONAL FIRE CODE, THE 2009 INTERNATIONAL MECHANICAL CODE, THE 2009 UNIFORM PLUMBING CODE, THE 2009 INTERNATIONAL FUEL GAS CODE, AND THE 2011 NATIONAL ELECTRICAL CODE OR THE MOST CURRENT EDITION OF ALL RELEVANT CODES ADOPTED BY THE AUTHORITY HAVING JURISDICTION IN THE PROJECT AREA. THESE DOCUMENTS HAVE BEEN PREPARED TO BE IN COMPLIANCE WITH THE APPLICABLE CODES AS LISTED ABOVE. ADOPTION OF UPDATED OR NEW CODES SHALL REQUIRE REVIEW BY AN ARCHITECT AND ENGINEERS AS APPROPRIATE FOR THE DISCIPLINES AFFECTED.
- THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY TO ENSURE THAT ANY WORK NOT COVERED IN THESE DOCUMENTS OR ANY MODIFICATIONS MADE DURING CONSTRUCTION ARE IN COMPLIANCE WITH ALL APPLICABLE CODES AS LISTED ABOVE. THE ARCHITECT SHALL BE NOTIFIED PRIOR TO ANY MODIFICATIONS.
- WHEN WORK NOT SPECIFICALLY CALLED OUT IS REQUIRED TO COMPLETE THE PROJECT, IT SHALL BE OF THE BEST MATERIAL AND WORKMANSHIP.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION. CONTRACTOR ASSUMES ALL LIABILITY FOR DAMAGES INCURRED DURING CONSTRUCTION.
- CONTRACTOR SHALL ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY BRACING, SHORING, GUYING, OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION.
- INSPECTION OF THIS PROJECT BY THE ARCHITECT, AUTHORITY HAVING JURISDICTION (AHJ), OR A CERTIFIED ICBO INSPECTOR SHALL BE REQUIRED. IF THIS IS NOT POSSIBLE FOR ANY REASON, NOTIFY THE ARCHITECT IMMEDIATELY SO THAT ARRANGEMENTS CAN BE MADE TO INSURE PROPER INSPECTION FOR THIS PROJECT.
- ALL UNTESTED COMPONENTS, EQUIPMENT, ETC., SHALL BE INSTALLED PER MANUFACTURER'S PRINTED RECOMMENDATIONS.
- THE STARTING OF WORK BY ANY SUBCONTRACTOR SHALL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THEY HAVE INSPECTED AND ACCEPTED ALL CONDITIONS INVOLVED IN THEIR WORK AND FOUND THEM SATISFACTORY.
- CONTRACTOR SHALL VERIFY ROUGH OPENING SIZES AND DETAILS FOR DOORS, WINDOWS, EXHAUST FANS, VENTS, ETC..
- PROVIDE PRESERVATIVE TREATED AWW FOR SILL PLATES AND ALL CONCRETE TO WOOD CONNECTIONS.
- ALL GWB SHALL BE 5/8" TYPE X UNLESS NOTED OTHERWISE.
- PROVIDE A MINIMUM OF 6" CLEARANCE FROM FINISH GRADE TO WOOD THAT IS NOT PRESERVATIVE TREATED AWW. SLOPE FINISH GRADE AWAY FROM FOUNDATION WALL A MINIMUM OF 6" WITHIN THE FIRST 10' EXCEPT AS RESTRICTED BY LOT LINES.
- PROVIDE MINIMUM 22" x 30" ATTIC ACCESS.
- PROVIDE MINIMUM 4" CLEAR ABOVE ATTIC INSULATION FOR VENTILATION UNLESS NOTED OTHERWISE.
- PROVIDE CONTINUOUS 6 MIL VAPOR RETARDER, TAPE ALL SEAMS AND PUNCTURES.
- PROVIDE AN APPROVED WEATHER-PROTECTIVE BARRIER UNDER SIDING, "TYVEK" OR APPROVED EQUAL.
- FASTEN METAL ROOFING SYSTEM PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- PROVIDE A GRIPPABLE HANDRAIL MAXIMUM 2" DIA FOR STAIRWAYS ON BOTH SIDES. RETURN ENDS OF HANDRAIL OR TERMINATE IN A NEWEL POST. HANDRAILS SHALL NOT BE LESS THAN 34" NOR MORE THAN 38" ABOVE THE NOSING TREAD.
- PROVIDE GUARD RAIL BARRIER NO LESS THAN 3'-6" IN HEIGHT FROM WALKING SURFACE PER UBC 1012.2 AT ALL RAMP, STAIR, AND DECK AREAS. OPEN GUARDS SHALL HAVE BALUSTERS SUCH THAT A 4-INCH DIAMETER SPHERE CANNOT PASS THROUGH ANY OPENING UP TO A HEIGHT OF 34 INCHES.
- THIS PROJECT SHALL BE BUILT TO COMPLY WITH CHAPTER 11 OF THE 2009 INTERNATIONAL BUILDING CODE (IBC) AND THE "DEPARTMENT OF JUSTICE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN" FOR ALL SITE AND BUILDING ELEMENTS REQUIRING ACCESSIBILITY. WHERE DIFFERENCES OCCUR, THE MOST STRINGENT SHALL APPLY.

- ALL WORK PERFORMED UNDER THIS CONTRACT IS TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR MINIMUM FROM ACCEPTANCE. ANY FAULTY MATERIALS OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER DURING THE GUARANTEE PERIOD. THIS NOTE DOES NOT REPLACE OR REDUCE ANY WARRANTIES THAT EXCEED ONE YEAR.
- CONTRACTOR TO MAINTAIN A SET OF RECORD DRAWINGS TO RECORD AS-CONSTRUCTED CONDITIONS. MARKED UP DRAWINGS SHALL BE MAINTAINED ON SITE AND SHALL BE UPDATED DAILY.
- ALL DEMOLITION DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.

ABBREVIATIONS:

AWW	ALL WEATHER WOOD	NIC	NOT IN CONTRACT
AFF	ABOVE FINISH FLOOR	PT	PRESSURE TREATED
CONC	CONCRETE	SIM	SIMILAR
CRPT	CARPET	SR	SHEET RUBBER
ELECT	ELECTRICAL	STOR	STORAGE
EXP AG	EXPOSED AGGREGATE	STRUCT.	STRUCTURAL
GA	GUAGE	T&G	TONGUE AND GROOVE
EQ	EQUAL	TYP	TYPICAL
HR	HOUR		
OH	OVERHEAD		
MBS	METAL BUILDING SUPPLIER		
MECH	MECHANICAL		
MFR	MANUFACTURER		

ADAAG GENERAL NOTES:

- THIS BUILDING SHALL COMPLY WITH THE PROVISIONS OF THE ADAAG. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, DOOR SIZES, THRESHOLDS, DOOR PULLS, DOOR HARDWARE, GRAB BARS, RESTROOM FIXTURES, TOILET PARTITIONS, ETC.. THE FOLLOWING EXCERPTS FROM THE ADAAG SHALL BE APPLIED TO THIS BUILDING BUT IN NO WAY LIMIT THE APPLICABILITY OF THOSE SECTIONS NOT LISTED.
- THIS BUILDING SHALL BE ACCESSIBLE AT ALL PRIMARY ENTRANCES AND SUCH ACCESSIBLE ROUT SHALL CONNECT ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING. ALL OBJECTS WHICH OVERHANG OR PROTRUDE INTO CIRCULATION PATHS SHALL COMPLY WITH SECTION 4.4 OF THE ADAAG. GROUND FLOOR SURFACES ALONG ACCESSIBLE ROUTS AND IN ACCESSIBLE ROOMS AND SPACES SHALL COMPLY WITH 4.5 OF THE ADAAG. (ADAAG 4.1.3 ACCESSIBLE BUILDINGS: NEW CONSTRUCTION)
- GROUND FLOOR SURFACES ALONG ACCESSIBLE ROUTS AND IN ACCESSIBLE ROOMS AND SPACES INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS, SHALL BE STABLE, FIRM, SLIP-RESISTANT, AND SHALL COMPLY WITH 4.5. (ADAAG 4.5.1)
- CHANGES IN LEVEL UP TO 1/4 INCH MAY BE VERTICAL AND WITHOUT EDGE TREATMENT. CHANGES IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 1/2 INCH SHALL BE ACCOMPLISHED BY MEANS OF A RAMP THAT COMPLIES WITH ADAAG 4.7 OR 4.8. (ADAAG 4.5.2)

CODE DATA

KLAUDER & COMPANY ARCHITECTS' CODE ANALYSIS HAS REVEALED THAT THE EXISTING BUILDING IS NON-CODE COMPLIANT PER THE 2009 IBC. WE HAVE FURTHER DETERMINED THAT THE BUILDING WAS NON-CODE COMPLIANT AT THE TIME OF THE GYMNASIUM ADDITION PERMITTING AND CONSTRUCTION IN THE EARLY 1980'S UNDER THE 1979 UBC. LASTLY, IT IS OUR INTERPRETATION OF THE IBC (INTERNATIONAL EXISTING BUILDING CODE) THAT THE PROPOSED HALL ADDITION OF 39 SQUARE FEET IS A DE MINIMUS AMOUNT OF WORK AND PER THE IBC DOES NOT MEET THE REQUIREMENTS TO TRIGGER THE INSTALLATION OF THE REQUIRED FIRE SPRINKLER SYSTEM.

1979 UBC:
PERMITTED AND CONSTRUCTED AS,
OCCUPANCY, A-2.1
CONSTRUCTION TYPE, VB
THIS WAS NOT ALLOWED UNDER THE 1979 UBC. THE BUILDING WAS PERMITTED AND CONSTRUCTED NON-CODE COMPLIANT.

2009 IBC:
OCCUPANCY, A-3
CONSTRUCTION TYPE, VB
ALLOWABLE HEIGHT AND AREA, ONE STORY, FORTY FEET IN HEIGHT, AND 6,000 SF.
ALLOWABLE AREA INCREASES, 10,500 SF PER FLOOR MAX
ACTUAL HEIGHT AND AREA, TWO STORY, BUILDING FOOT PRINT 15,826 SF, UPPER LEVEL 5,327 SF.
THIS DOES NOT MEET CODE FOR NUMBER OF STORIES, AREA, AND OCCUPANT LOAD WITHOUT THE ADDITION OF A FIRE SPRINKLER SYSTEM.
PROPOSED ADDITION 39 SF. THE HALL INCREASES THE SAFETY OF THE BUILDING BY INCREASING ACCESS TO EGRESS.

2009 IEBC:
LEVEL 2 ALTERATION PER SECTION 404.
SINCE THE BUILDING HAS ONLY ONE TENANT AND THE WORK AREA IS LESS THAN 50 PERCENT OF THE FLOOR AREA NONE OF THE PROVISIONS IN THE EXISTING INTERNATIONAL BUILDING CODE FOR A LEVEL 2 ALTERATION REQUIRE THE ADDITION OF A FIRE SPRINKLER SYSTEM. THE PROPOSED ADDITION IS A DE MINIMUS AMOUNT OF AREA (39 SQUARE FEET OR 0.184% OF THE TOTAL BUILDING AREA). THE HALL ADDITION ACTUALLY INCREASES THE SAFETY OF THE BUILDING BY PROVIDING TWO MEANS OF EGRESS TO TWO EXISTING ROOMS EACH APPROXIMATELY 800 SQUARE FEET. THESE TWO ROOMS (CARDIO ROOM 799 SF AND WEIGHT ROOM 864 SF) PREVIOUSLY ONLY HAD ACCESS TO ONE MEANS OF EGRESS EACH.

THE ARCHITECT STRONGLY RECOMMENDS THE CITY OF KENAI INSTALL A FIRE SPRINKLER SYSTEM TO THE EXISTING BUILDING.

SHEET INDEX

ARCHITECTURAL DRAWINGS

- A1.0 EXISTING SITE PLAN
- A2.0 DEMO SITE PLAN & FLOOR PLAN
- A2.1 PROPOSED SITE PLAN & GROUND FLOOR PLAN
- A2.2 PROPOSED SECOND FLOOR PLAN & ROOF PLAN
- A3.0 EAST ELEVATION
- A4.0 WALL SECTIONS
- A4.1 BUILDING SECTIONS
- A4.2 BUILDING SECTIONS
- A4.3 DETAILS
- A4.4 DETAILS
- A4.5 DETAILS
- A5.0 SPECIFICATIONS
- A5.1 SPECIFICATIONS
- A5.2 SPECIFICATIONS

STRUCTURAL DRAWINGS

- S1.1 NOTES AND SPECIFICATIONS
- S2.1 PLAN VIEWS
- S3.1 BUILDING SECTIONS
- S4.1 DETAILS
- S4.2 DETAILS

FOR CONSTRUCTION

PLOTTED 1/2 SCALE

SCALE: AS SHOWN

AutoCAD FILE: 1521 a1.dwg

AutoCAD FILE: 1521 a1.dwg

CAVIAR STREET

A

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

FOR CONSTRUCTION

PLOTTED 1/2 SCALE

SCALE: AS SHOWN

AutoCAD FILE: 1521 a2.dwg

WEIGHT ROOM

127

DEMO EXISTING WALL

HANDBALL COURT 1

126

MECHANICAL TO REMAIN

EXISTING ROOF ABOVE, LANDING STRUCTURE & SUPPORTS TO REMAIN

DEMO EXISTING BALUSTERS

DEMO LANDING DECKING

DEMO EXISTING STAIRS

DEMO EXISTING SIDEWALK

SIDEWALK TO REMAIN

COORDINATE TIE-IN WITH STRUCTURAL

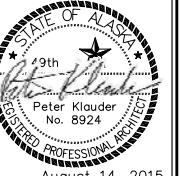
HANDBALL COURT 3

124

DEMO EXISTING WALL

A1 ENLARGED DEMOLITION SITE PLAN & GROUND FLOOR PLAN

A2.0 1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



KENAI RECREATION CENTER
HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:
PK

DRAWN:
PK, EF

CHECKED:
PK

JOB NO: 1521

DATE: August 14, 2015

REVISIONS:

A 2.0

SHEET CONTENTS:
DEMOLITION SITE
PLAN & GROUND
FLOOR PLAN

FOR CONSTRUCTION

PLOTTED 1/2 SCALE

SCALE: AS SHOWN

AutoCAD FILE: 1521 02.dwg

WEIGHT ROOM
127

HANDBALL COURT 1
126

HALL
127A

CARDIO ROOM
124

PROPOSED SITE PLAN & GROUND FLOOR PLAN

1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

LINE OF ROOF ABOVE

NEW DECK, SEE STRUCTURAL DRAWINGS

NEW GUARDRAIL

NEW STAIRS, SEE STRUCTURAL DRAWINGS

NEW CONCRETE SLAB, SEE STRUCTURAL DRAWINGS

NEW STAIRS, SEE STRUCTURAL DRAWINGS

EXCAVATE DOWN TO NATIVE NFS MATERIAL AND BACK FILL TO WITHIN 8" OF GRADE WITH NFS (SAND AND/OR GRAVEL). INSTALL GEOTEXTILE FILTER FABRIC AND 2 LAYERS 4" MIN. RIVER ROCK. GRADE AWAY FROM BUILDING. SEE A3/A4.0 & A1/A4.1

EXISTING

45°

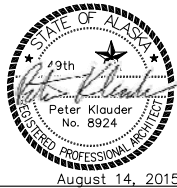
5'-0" I.D.

SLOPE

EXISTING

NOTES:

1. PROVIDE 4" BLACK RUBBER BASE CONTINUOUS AT WEIGHT ROOM, HALL, AND CARDIO ROOM
2. APPLY LATEX PAINT SYSTEM TO WEIGHT ROOM, HALL, AND CARDIO ROOM WALLS AND CEILINGS CONTINUOUS.



KENAI RECREATION CENTER
HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:
PK

DRAWN:
PK, EF

CHECKED:
PK

JOB NO: 1521

DATE: August 14, 2015

REVISIONS:

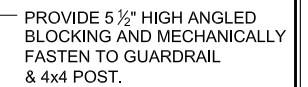
A 2.1

SHEET CONTENTS:
PROPOSED SITE
PLAN & GROUND
FLOOR PLAN

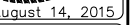
AutoCAD FILE: 1521 a2.dwg



1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)



CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

CLIENT:

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

RAWN:
K, EF

DB NO:	1521
--------	------

DATE: August 14, 2015

REVISIONS:

A 2.2

HEET CONTENTS:
PROPOSED
SECOND FLOOR
PLAN

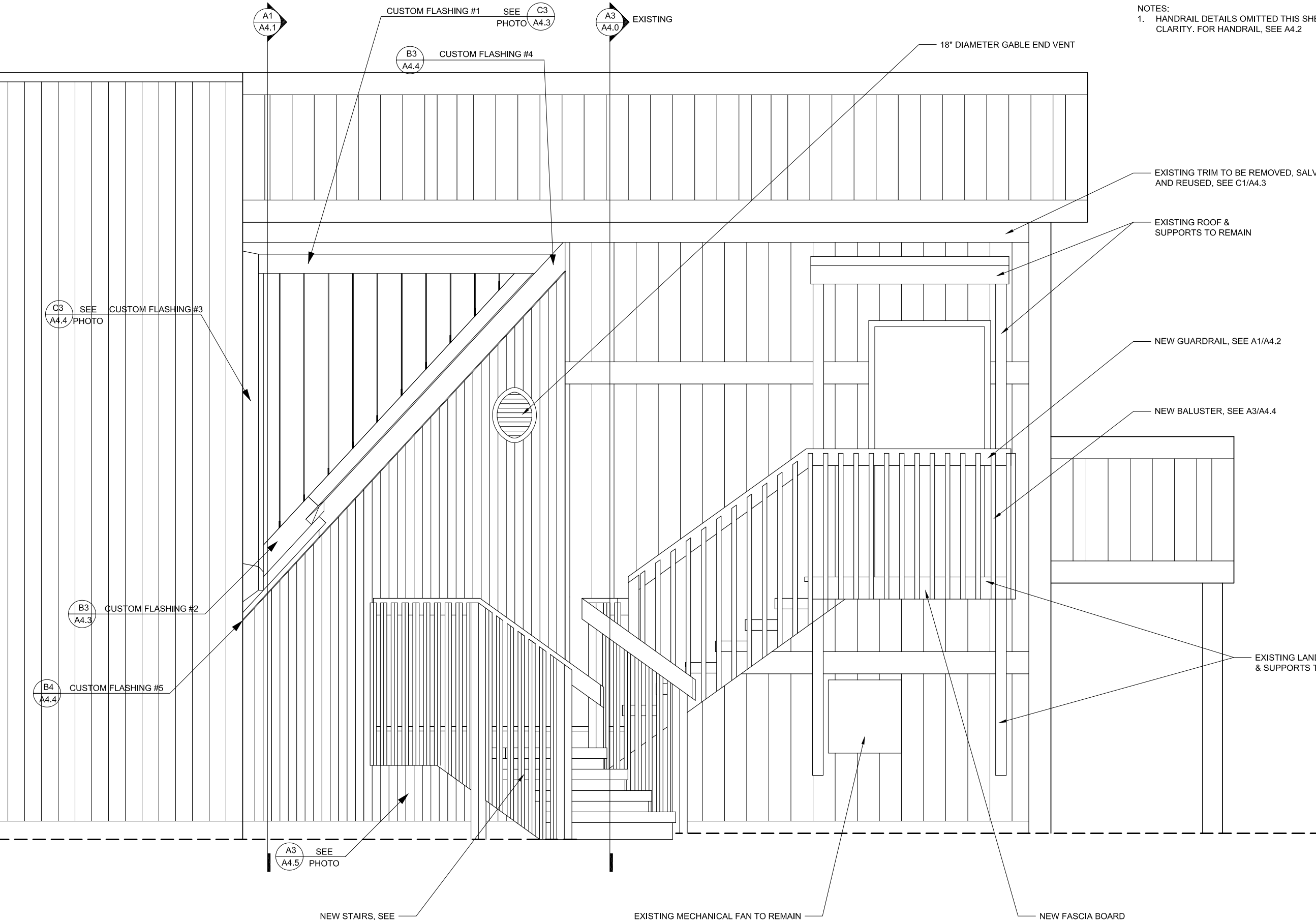
FOR CONSTRUCTION

PLOTTED 1/2 SCALE

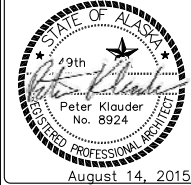
SCALE: AS SHOWN

AutoCAD FILE: 1521 a3.dwg

A1 EAST ELEVATION
3/4" = 1'-0" (22x34); 3/8" = 1'-0" (11x17)



NOTES:
1. HANDRAIL DETAILS OMITTED THIS SHEET FOR CLARITY. FOR HANDRAIL, SEE A4.2



KENAI RECREATION CENTER
HALLWAY ADDITION
PROJECT:
CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611
CLIENT:

KLAUDER & COMPANY
ARCHITECTS, INC.
606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY: PK
DRAWN: PK, EF
CHECKED: PK
JOB NO: 1521
DATE: August 14, 2015
REVISIONS:

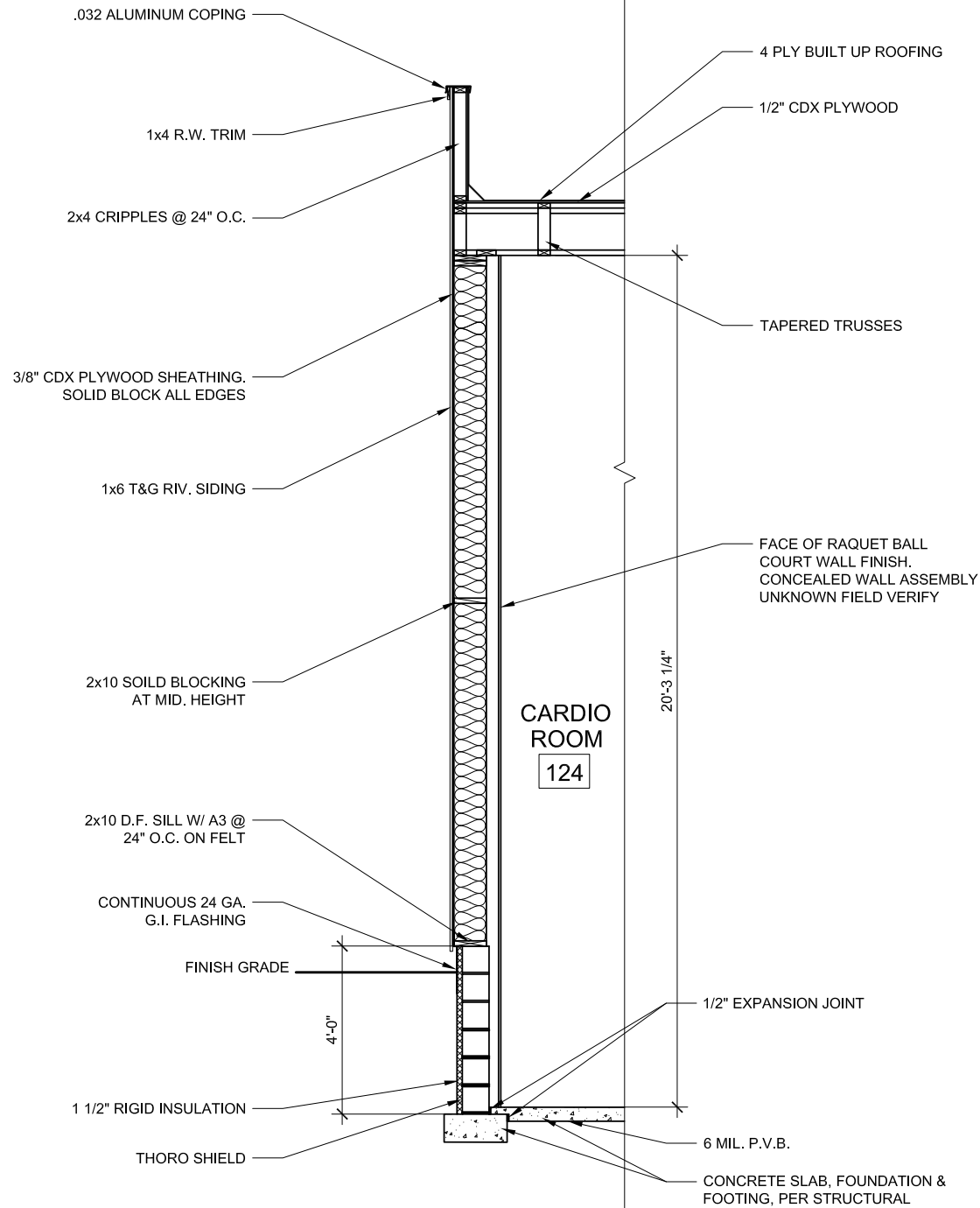
A 3.0
SHEET CONTENTS:
EAST ELEVATION

FOR CONSTRUCTION

PLOTTED 1/2 SCALE

SCALE: AS SHOWN

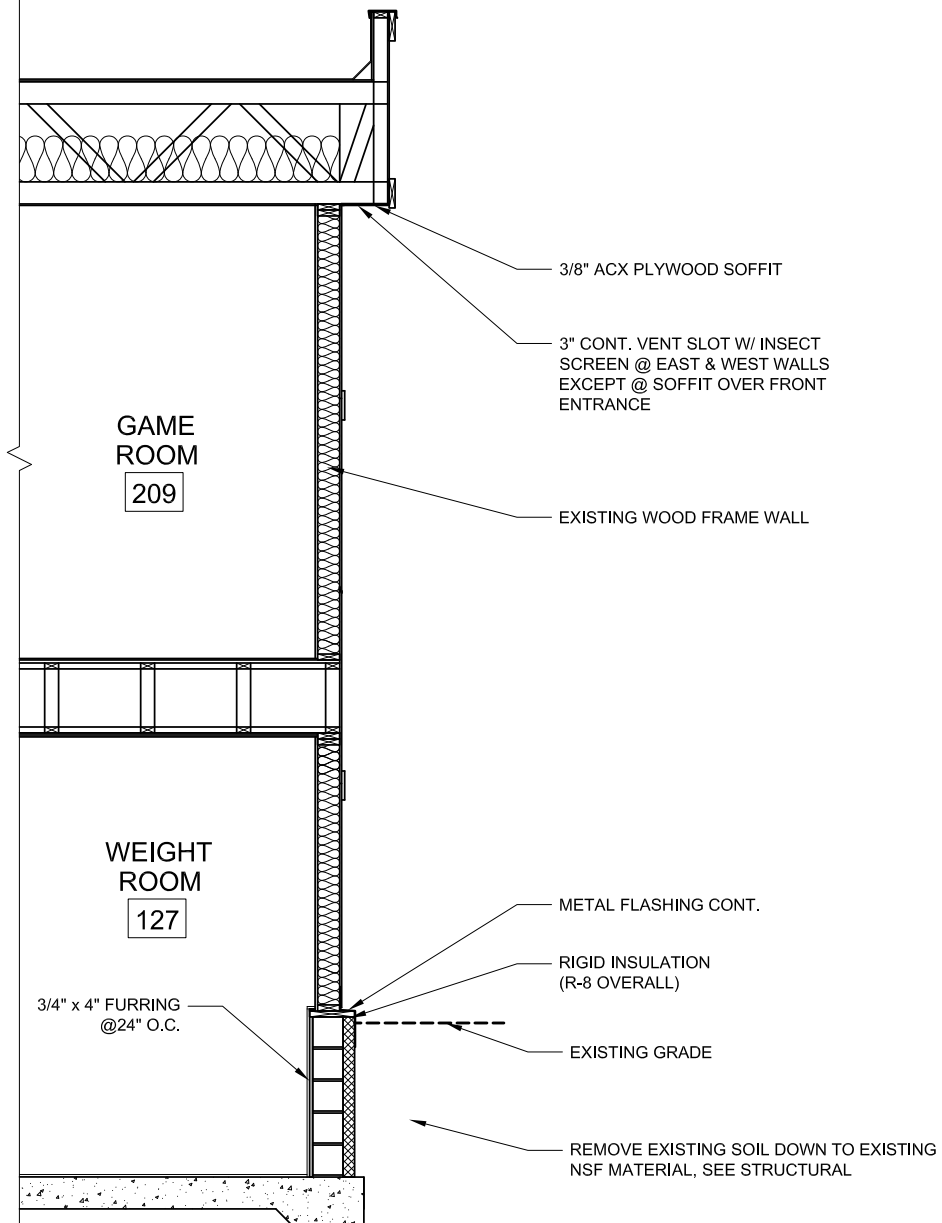
AutoCAD FILE: 1521 04.dwg



EXISTING WALL SECTION
(FROM RECORD DRAWINGS)

A1
A4.0

1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



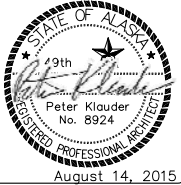
EXISTING WALL SECTION
(FROM RECORD DRAWINGS)

A3
A4.0

1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

NOTES:

1. THESE DRAWINGS ARE BASED ON AVAILABLE INFORMATION GATHERED FROM RECORD DRAWINGS AND BY AS BUILT DIMENSIONS TAKEN IN THE FIELD. SOME AREAS WERE INACCESSIBLE AND EXACT AS BUILT DIMENSIONING WAS NOT POSSIBLE. FIELD VERIFY DIMENSIONS BEFORE STARTING ANY WORK.
2. ALL INFORMATION REGARDING MATERIALS IN CONCEALED SPACES IS FROM THE RECORD DRAWINGS AND HAS NOT BEEN VERIFIED.



KENAI RECREATION CENTER
HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

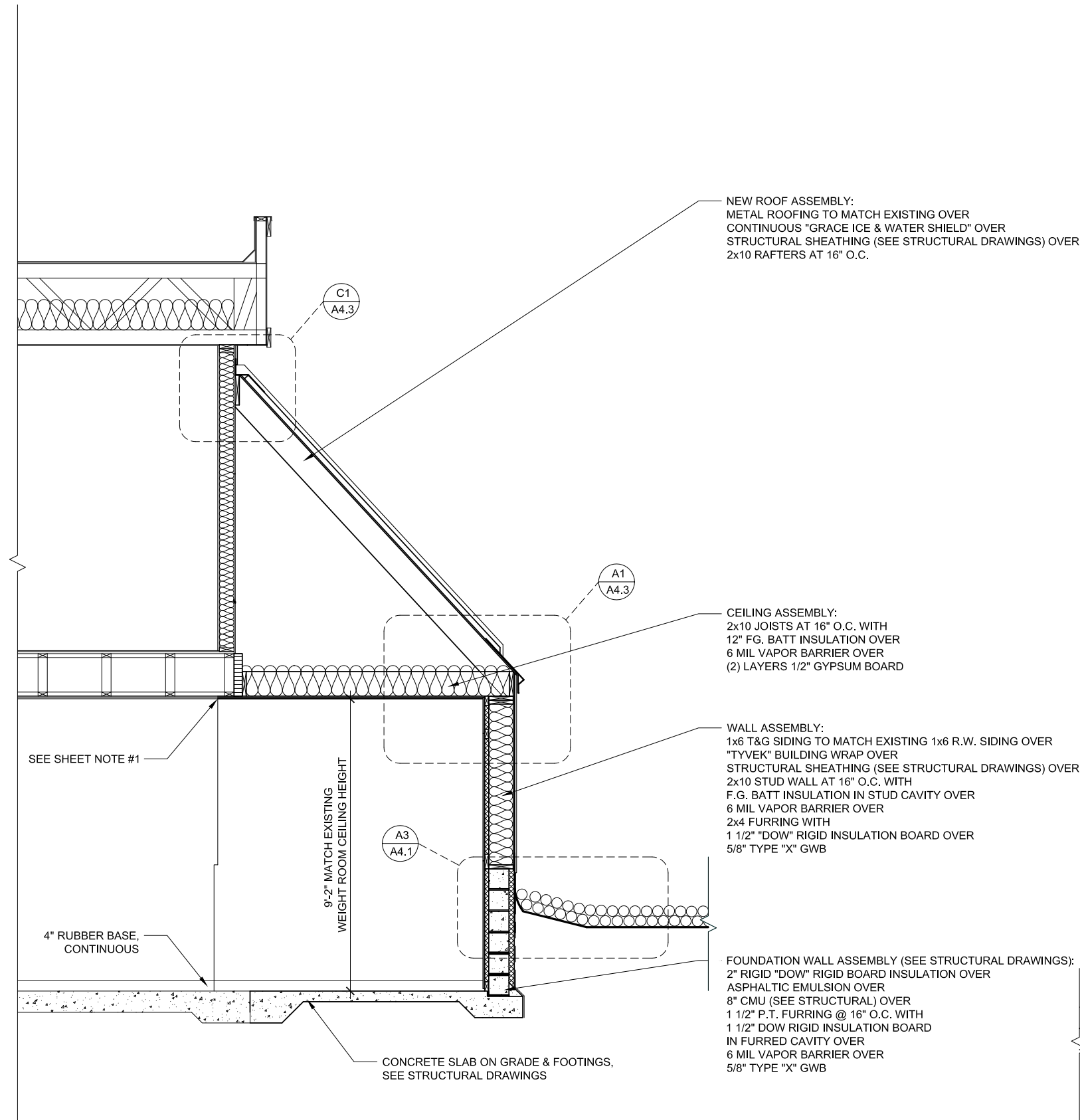
KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:
PK
DRAWN:
PK, EF
CHECKED:
PK
JOB NO: 1521
DATE: August 14, 2015
REVISIONS:

A 4.0

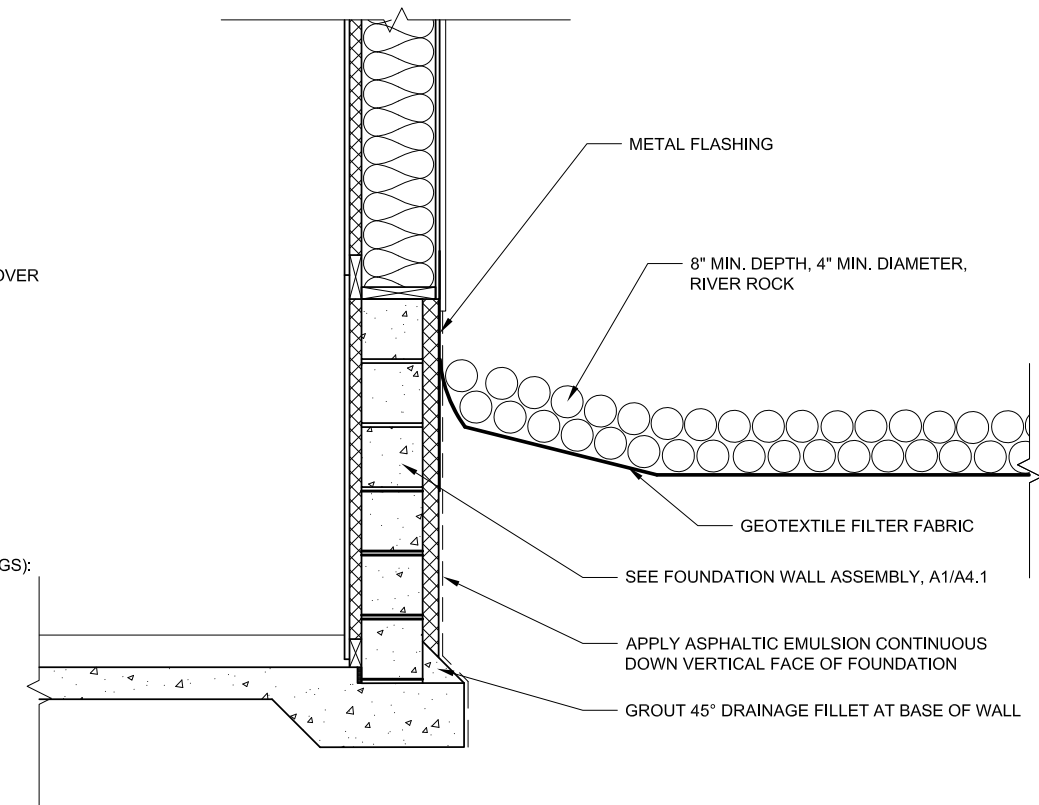
SHEET CONTENTS:
WALL SECTIONS
(FROM RECORD
DRAWINGS)



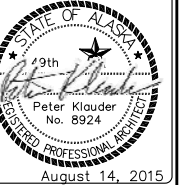
A1 BUILDING SECTION
1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)

NOTE:

- EXISTING RECORD DRAWINGS INDICATE CEILING IN EXISTING WEIGHT ROOM IS (2) TWO LAYER 1/2" GYPSUM BOARD. DESIGN INTENT IS TO TIE IN FLUSH WITH EXISTING CEILING. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT OF ANY CONDITION THAT DIFFERS FROM CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE A FLUSH CEILING.
- APPLY ASPHALTIC EMULSION TO EXTERIOR OF CMU TO WATERPROOF BLOCK AND ADHERE RIGID BOARD INSULATION.



A3 DETAIL AT FOUNDATION WALL & DRAINAGE PIT
1" = 1'-0" (22x34); 1/2" = 1'-0" (11x17)



KENAI RECREATION CENTER
HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

**KLAUDER & COMPANY
ARCHITECTS, INC.**

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:
PK

DRAWN:
PK, EF

CHECKED:
PK

JOB NO: 1521

DATE: August 14, 2015

REVISIONS:

A 4.1

SHEET CONTENTS:
BUILDING
SECTIONS

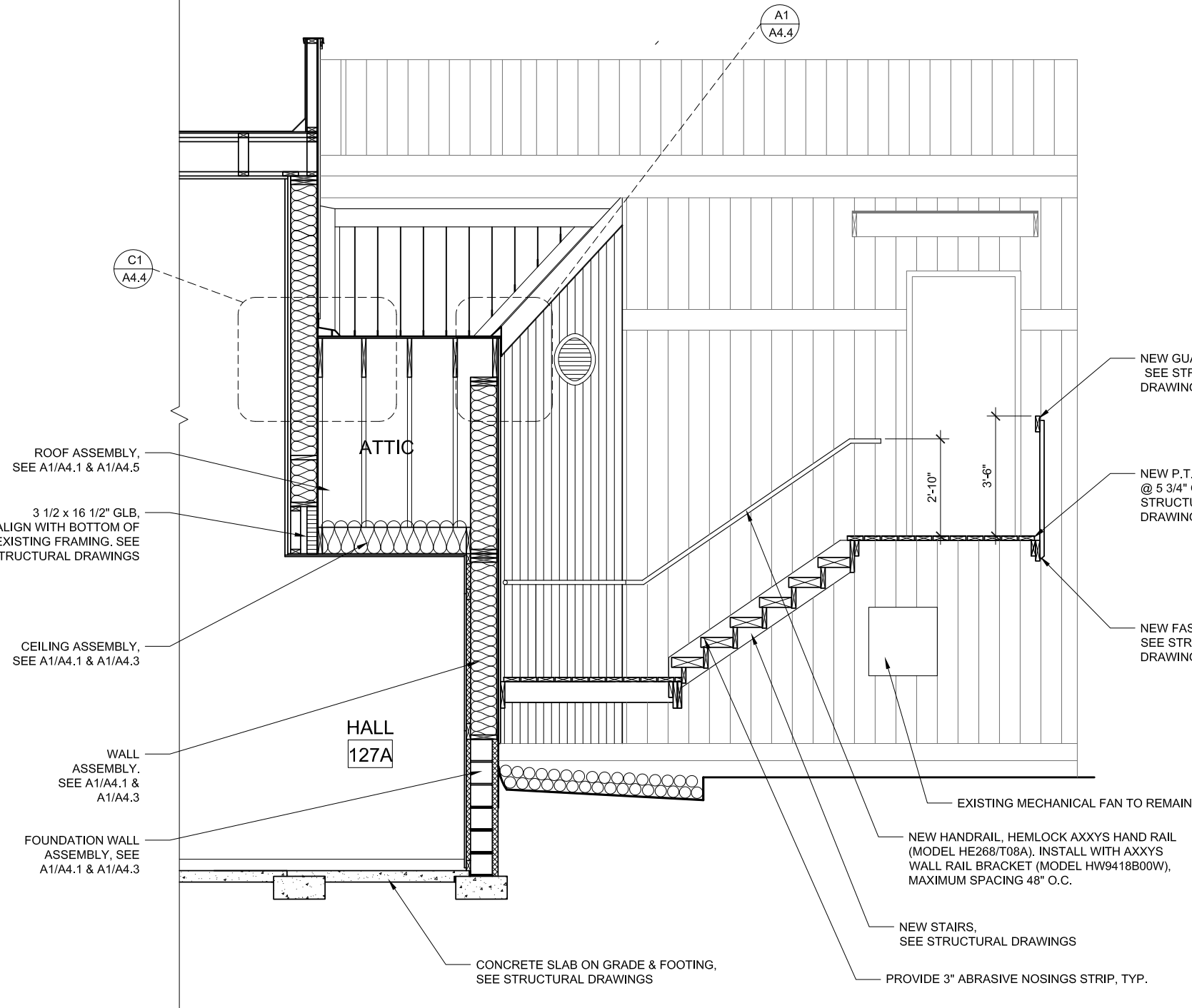
FOR CONSTRUCTION

PLOTTED 1/2 SCALE

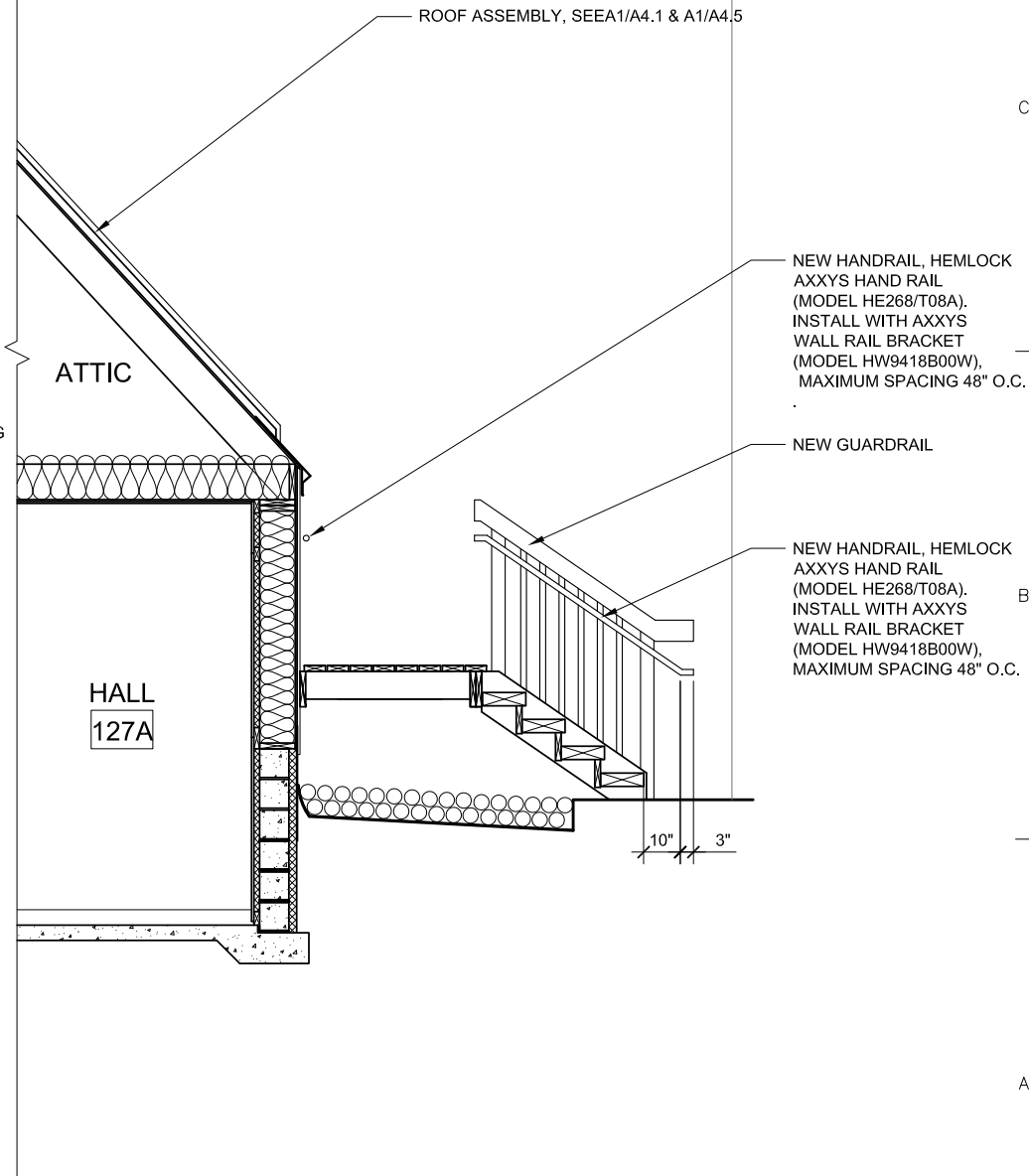
SCALE: AS SHOWN

AutoCAD FILE: 1521 04.dwg

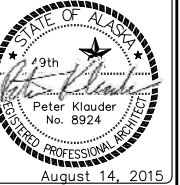
D
C
B
A



A1
A4.2 PARTIAL BUILDING SECTION
1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



A3
A4.2 PARTIAL BUILDING SECTION
1/2" = 1'-0" (22x34); 1/4" = 1'-0" (11x17)



KENAI RECREATION CENTER
HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

PROJECT:

CLIENT:

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:

PK

DRAWN:

PK, EF

CHECKED:

PK

JOB NO:

1521

DATE: August 14, 2015

REVISIONS:

A

4.2

SHEET CONTENTS:
BUILDING
SECTIONS

FOR CONSTRUCTION

PLOTTED 1/2 SCALE

SCALE: AS SHOWN

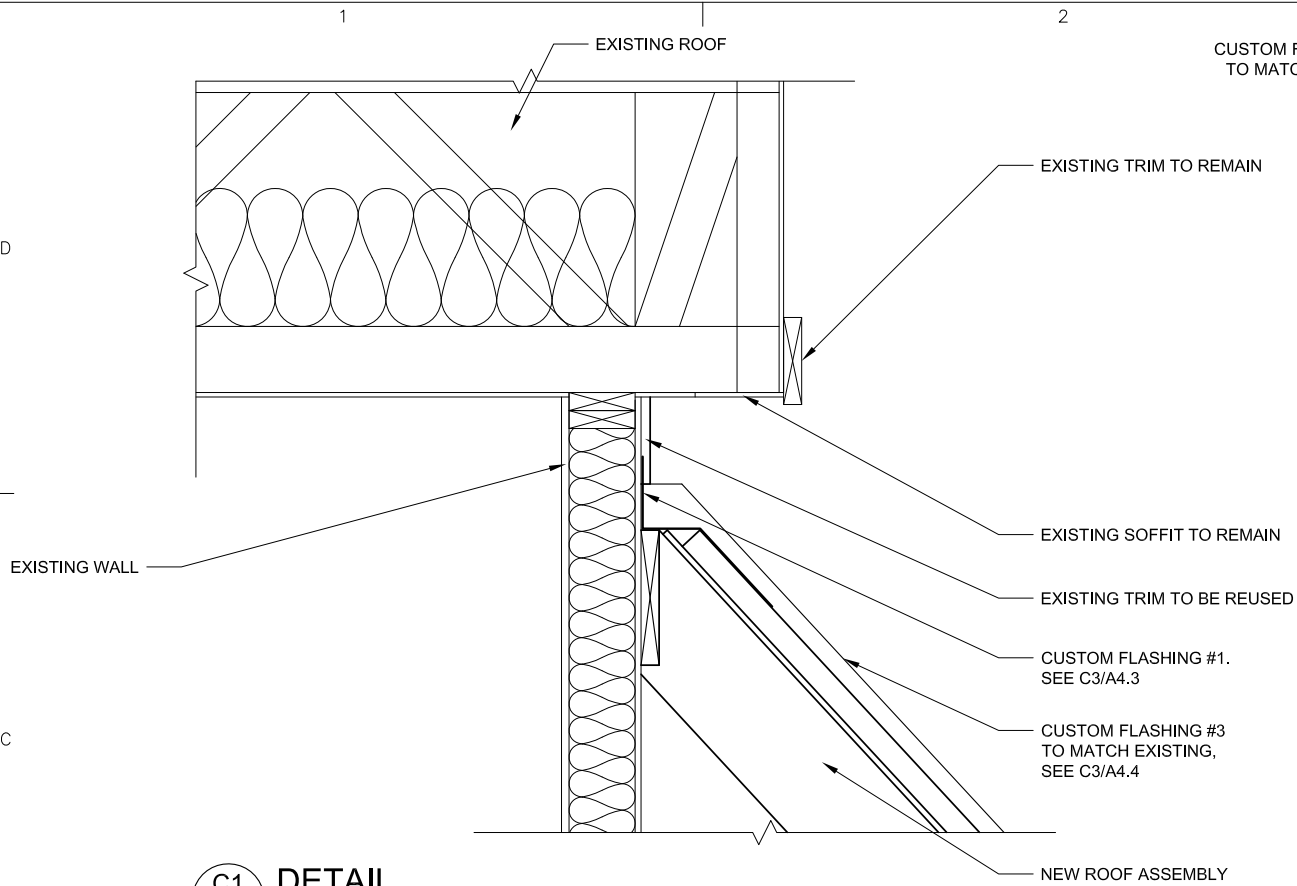
AutoCAD FILE: 1521 04.dwg

D

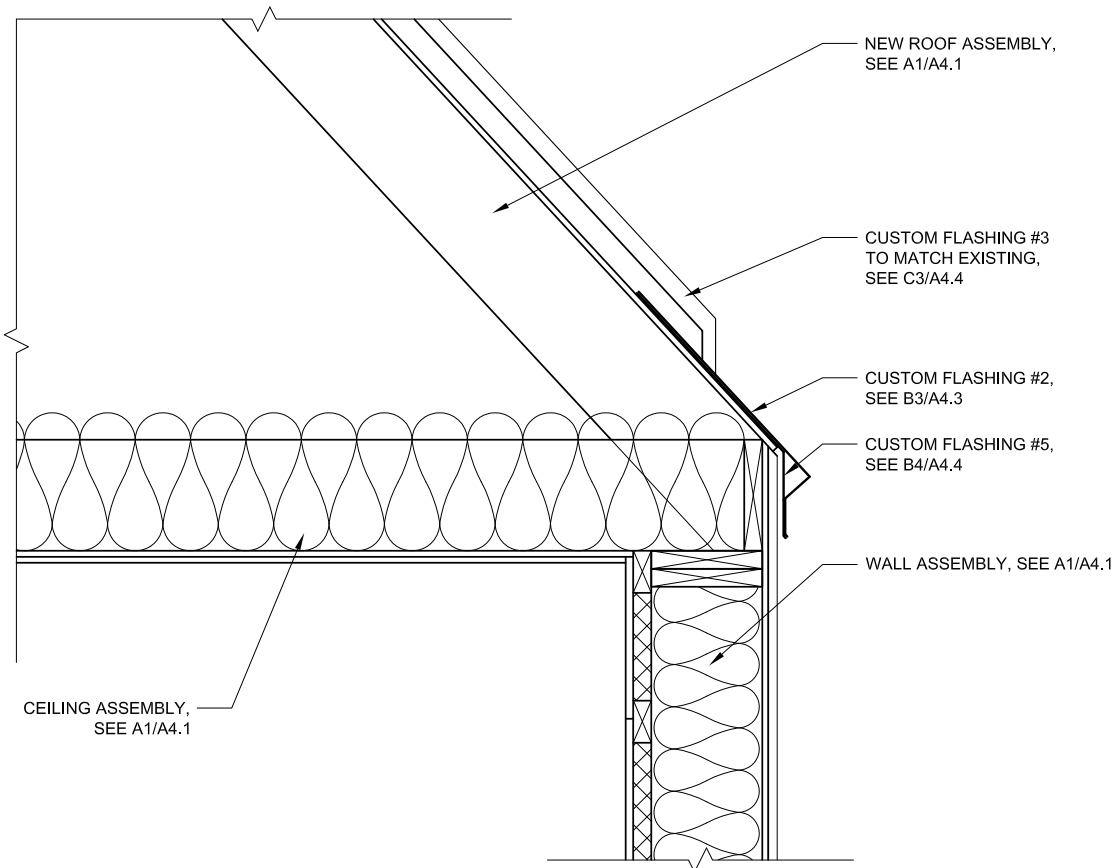
C

B

A

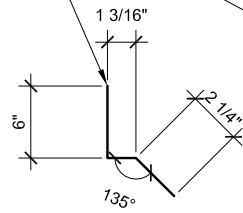


C1
A4.3 1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

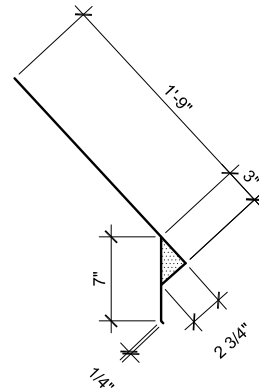


A1
A4.3 1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

CUSTOM FLASHING #1
TO MATCH EXISTING



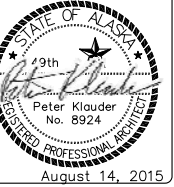
C3
A4.3 CUSTOM FLASHING #1 (SEE SHEET NOTES)
3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)



B3
A4.3 CUSTOM FLASHING #2 (SEE SHEET NOTES)
1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

NOTE:

1. CONTRACTOR SHALL PROVIDE A 12" SAMPLE OF EACH CUSTOM FLASHING TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
2. CONTRACTOR SHALL PROVIDE A SAMPLE OF EACH CUSTOM FLASHING END CAP TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL FIELD VERIFY AND MATCH EXISTING ACTUAL FLASHING DIMENSIONS.
3. CONTRACTOR SHALL FIELD VERIFY AND MATCH EXISTING ACTUAL FLASHING DIMENSIONS.
4. CONTRACTOR TO PROVIDE JOINT SEALANT AT FLASHING TO BUILDING CONNECTIONS AND FLASHING LAP CONDITIONS.



KENAI RECREATION CENTER
HALLWAY ADDITION

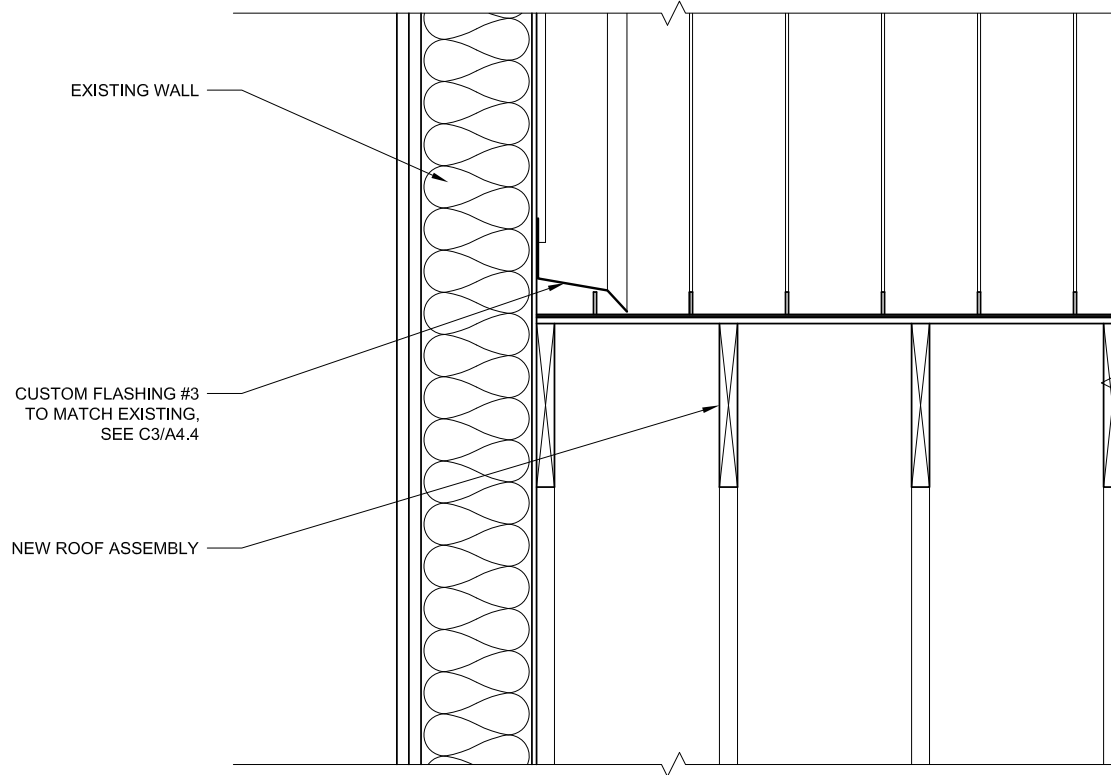
CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

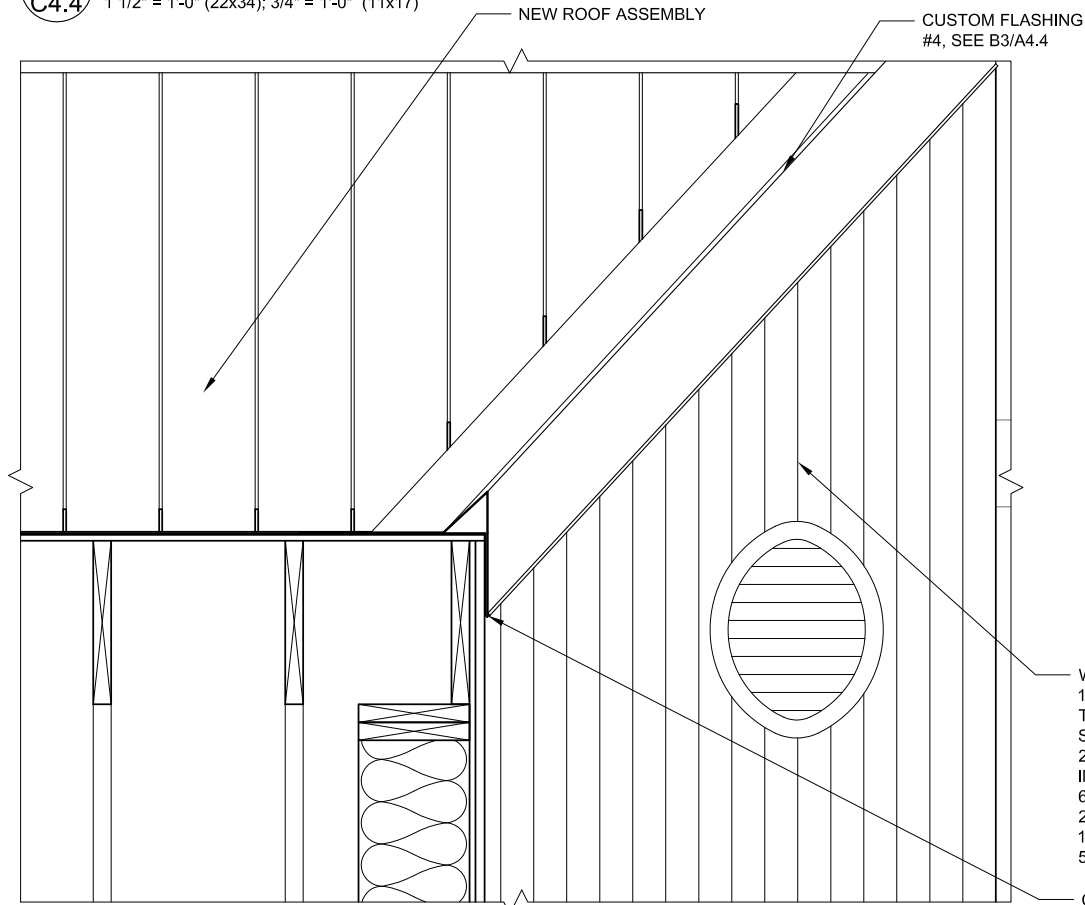
DESIGN BY:
PK
DRAWN:
PK, EF
CHECKED:
PK
JOB NO: 1521
DATE: August 14, 2015
REVISIONS:

A 4.3
SHEET CONTENTS:
DETAILS



C1
C4.4 DETAIL

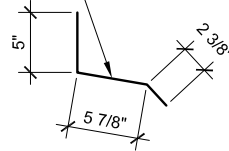
1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)



A1
A4.4 DETAIL

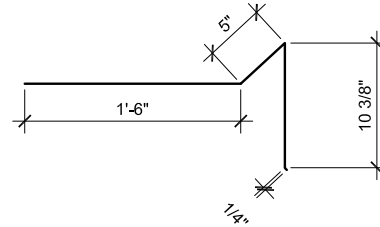
1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

CUSTOM FLASHING #3
TO MATCH EXISTING



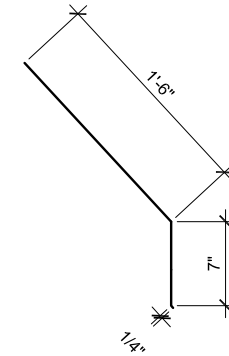
C3
A4.4 CUSTOM FLASHING #3 (SEE SHEET NOTES)

1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)



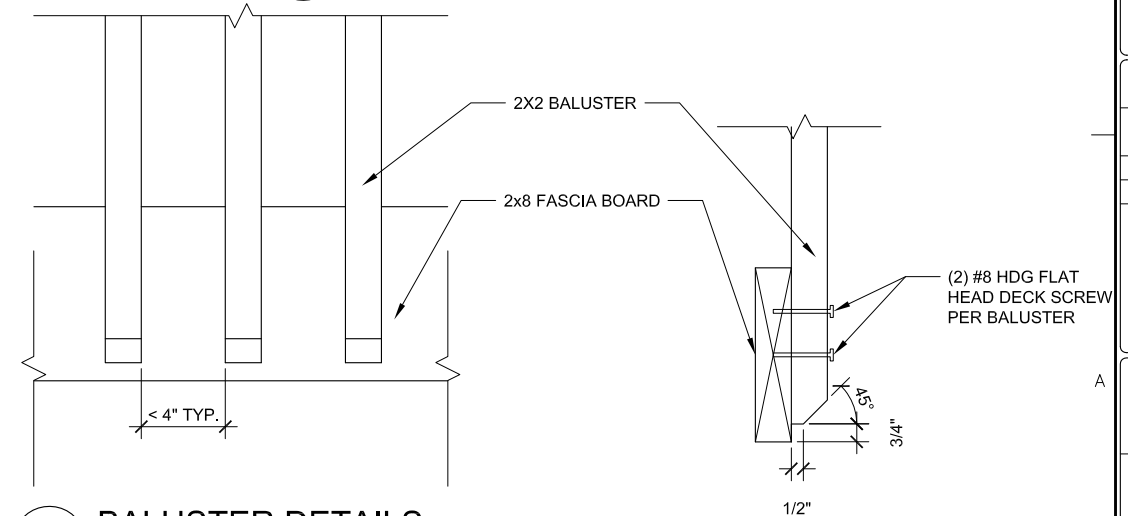
B3
A4.4 CUSTOM FLASHING #4
(SEE SHEET NOTES)

1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)



B4
A4.4 CUSTOM FLASHING #5
(SEE SHEET NOTES)

1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

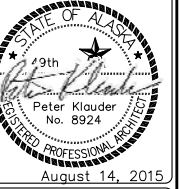


A3
A4.4 BALUSTER DETAILS

3" = 1'-0" (22x34); 1 1/2" = 1'-0" (11x17)

NOTE:

1. CONTRACTOR SHALL PROVIDE A 12" SAMPLE OF EACH CUSTOM FLASHING TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
2. CONTRACTOR SHALL PROVIDE A SAMPLE OF EACH CUSTOM FLASHING END CAP TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
3. CONTRACTOR SHALL FIELD VERIFY AND MATCH EXISTING ACTUAL FLASHING DIMENSIONS.
4. CONTRACTOR TO PROVIDE JOINT SEALANT AT FLASHING TO BUILDING CONNECTIONS AND FLASHING LAP CONDITIONS.



KENAI RECREATION CENTER
HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

PROJECT:

CLIENT:

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:

PK

DRAWN:

PK, EF

CHECKED:

PK

JOB NO:

1521

DATE:

August 14, 2015

REVISIONS:

A 4.4

SHEET CONTENTS:
DETAILS

FOR CONSTRUCTION

PLOTTED 1/2 SCALE

SCALE: AS SHOWN

AutoCAD FILE: 1521 04.dwg

A1 CUSTOM FLASHING DETAIL
A4.5 1 1/2" = 1'-0" (22x34); 3/4" = 1'-0" (11x17)

CUSTOM FLASHING #3,
SEE C3/A4.4

CUSTOM FLASHING
#2, SEE B3/A4.3

CUSTOM FLASHING #3
END CAP

CUSTOM FLASHING #4
END CAP

CUSTOM FLASHING
#4, SEE B3/A4.4

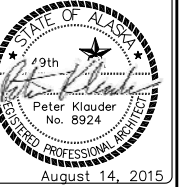
- NOTE:
1. CONTRACTOR SHALL PROVIDE A 12" SAMPLE OF EACH CUSTOM FLASHING TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
 2. CONTRACTOR SHALL PROVIDE A SAMPLE OF EACH CUSTOM FLASHING END CAP TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL FIELD VERIFY AND MATCH EXISTING ACTUAL FLASHING DIMENSIONS.
 3. CONTRACTOR TO PROVIDE JOINT SEALANT AT FLASHING TO BUILDING CONNECTIONS AND FLASHING LAP CONDITIONS.

NEW METAL ROOFING
TO MATCH EXISTING

B3 EXISTING METAL ROOFING
A4.5

NEW 1x6 T&G SIDING
TO MATCH EXISTING

A3 EXISTING SIDING
A4.5



PROJECT: KENAI RECREATION CENTER
HALLWAY ADDITION
CLIENT: CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.
606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY: PK
DRAWN: PK, EF
CHECKED: PK
JOB NO: 1521
DATE: August 14, 2015
REVISIONS:

A 4.5
SHEET CONTENTS:
DETAILS

GENERAL

ALL MATERIALS SHALL BE STORED AS RECOMMENDED IN WRITING BY THE MATERIAL SUPPLIER AND WHERE APPROPRIATE SHALL BE INSIDE UNDER COVER AND KEPT DRY AND PROTECTED AGAINST WEATHER, CONDENSATION, DIRECT SUNLIGHT, CONSTRUCTION TRAFFIC, AND OTHER POTENTIAL CAUSES OF DAMAGE. INSTALLATION OF ALL MATERIALS SHALL BE DONE AFTER SUBSTRATE IS CLEANED, DRY AND AT A TEMPERATURE APPROPRIATE FOR THE MATERIAL BEING INSTALLED.

SECTION 071326, SELF-ADHERING SHEET WATERPROOFING

1.1 ACTION SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.
1. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, AND TESTED PHYSICAL AND PERFORMANCE PROPERTIES OF WATERPROOFING.
2. INCLUDE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR EVALUATING, PREPARING, AND TREATING SUBSTRATE.
3. MANUFACTURER'S WARRANTY: PROVIDE MANUFACTURER'S STANDARD MATERIALS-ONLY WARRANTY FOR A PERIOD OF FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION. PROVIDE INSTALLER'S SPECIAL WARRANTY, SIGNED BY INSTALLER, COVERING WORK OF THIS SECTION, FOR WARRANTY PERIOD OF TWO YEARS.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. SOURCE LIMITATIONS FOR WATERPROOFING SYSTEM: OBTAIN WATERPROOFING MATERIALS, MOLDED-SHEET DRAINAGE PANELS FROM SINGLE SOURCE FROM SINGLE MANUFACTURER.

2.2 MODIFIED BITUMINOUS SHEET WATERPROOFING

- A. MODIFIED BITUMINOUS SHEET: MINIMUM 60-MIL NOMINAL THICKNESS, SELF-ADHERING SHEET CONSISTING OF 56 MILS OF RUBBERIZED ASPHALT LAMINATED ON ONE SIDE TO A 4-MIL- THICK, POLYETHYLENE-FILM REINFORCEMENT, AND WITH RELEASE LINER ON ADHESIVE SIDE; FORMULATED FOR APPLICATION WITH PRIMER OR SURFACE CONDITIONER THAT COMPLIES WITH VOC LIMITS OF AUTHORITIES HAVING JURISDICTION.

1. BASIS OF DESIGN PRODUCT:: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE BITUTHENE 3000/LOW TEMPERATURE MEMBRANE AS MANUFACTURED BY GRACE CONSTRUCTION PRODUCTS OR OR WITH OWNER'S APPROVAL COMPARABLE PRODUCTS.

2. PHYSICAL PROPERTIES:
- a. TENSILE STRENGTH, MEMBRANE: 325 PSI MINIMUM; ASTM D 412, DIE C, MODIFIED RUN AT A RATE OF 2-INCHES PER MINUTE.
- b. ULTIMATE ELONGATION: 300 PERCENT MINIMUM; ASTM D 412, DIE C, MODIFIED.
- c. LOW-TEMPERATURE FLEXIBILITY: PASS AT MINUS 20 DEG F; ASTM D 1970.
- d. CRACK CYCLING: UNAFFECTED AFTER 100 CYCLES OF 1/8-INCH MOVEMENT; ASTM C 836.
- e. PUNCTURE RESISTANCE: 50 LB MINIMUM; ASTM E 154.
- f. WATER ABSORPTION: 0.2 PERCENT WEIGHT-GAIN MAXIMUM AFTER 48-HOUR IMMERSION AT; ASTM D 570.
- g. WATER VAPOR PERMEANCE: 0.05 PERMS MAXIMUM; ASTM E 96/E 96M, WATER METHOD.

2.3 AUXILIARY MATERIALS

- A. PRIMER: AS RECOMMENDED FOR SUBSTRATE BY SHEET-WATERPROOFING MATERIAL MANUFACTURER FOR THE CONDITIONS INDICATED.
- B. SURFACE CONDITIONER: LIQUID, WATERBORNE SURFACE CONDITIONER RECOMMENDED FOR SUBSTRATE BY SHEET-WATERPROOFING MATERIAL MANUFACTURER.
- C. LIQUID MEMBRANE: ELASTOMERIC, TWO-COMPONENT LIQUID, COLD FLUID APPLIED, OF TROWEL GRADE OR LOW VISCOSITY.
- D. SUBSTRATE PATCHING MEMBRANE: LOW-VISCOSITY, TWO-COMPONENT, MODIFIED ASPHALT COATING.

PART 3 - EXECUTION

3.1 SURFACE PREPARATION

- A. PREPARE, FILL, PRIME, AND TREAT JOINTS AND CRACKS IN SUBSTRATES. REMOVE DUST AND DIRT FROM JOINTS AND CRACKS ACCORDING TO ASTM D 4258.

- B. CORNERS: PREPARE, PRIME, AND TREAT INSIDE AND OUTSIDE CORNERS ACCORDING TO ASTM D 6135.
1. INSTALL MEMBRANE STRIPS CENTERED OVER VERTICAL INSIDE CORNERS. INSTALL 3/4-INCH FILLETS OF LIQUID MEMBRANE ON HORIZONTAL INSIDE CORNERS AND AS FOLLOWS:
- a. AT FOOTING-TO-WALL INTERSECTIONS, EXTEND LIQUID MEMBRANE IN EACH DIRECTION FROM CORNER OR INSTALL MEMBRANE STRIP CENTERED OVER CORNER.

3.2 MODIFIED BITUMINOUS SHEET-WATERPROOFING APPLICATION

- A. INSTALL MODIFIED BITUMINOUS SHEETS ACCORDING TO WATERPROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS IN ASTM D 6135.

SECTION 072100, THERMAL INSULATION

1.1 SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
- B. PRODUCT TEST REPORTS: BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY A QUALIFIED TESTING AGENCY, FOR EACH PRODUCT.

1.2 QUALITY ASSURANCE

- A. SURFACE-BURNING CHARACTERISTICS: AS DETERMINED BY TESTING IDENTICAL PRODUCTS ACCORDING TO ASTM E 84 BY A QUALIFIED TESTING AGENCY. IDENTIFY PRODUCTS WITH APPROPRIATE MARKINGS OF APPLICABLE TESTING AGENCY.

PART 2 - PRODUCTS

2.1 FOAM-PLASTIC BOARD (RIGID) INSULATION

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE DOW CHEMICAL COMPANY, OR WITH OWNER'S APPROVAL COMPARABLE PRODUCTS.
- B. EXTRUDED-POLYSTYRENE BOARD INSULATION: ASTM C 578, OF TYPE AND MINIMUM COMPRESSIVE STRENGTH INDICATED BELOW, WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 75 AND 450, RESPECTIVELY, PER ASTM E 84.
1. ROOF ASSEMBLY: TYPE X, 15 PSI.
2. EXTERIOR WALL ASSEMBLY: TYPE IV, 25 PSI.
3. PERIMETER WALL AND UNDER-SLAB INSULATION: TYPE VII, 60 PSI.
4. EDGE: SQUARE
5. MINIMUM THERMAL RESISTANCE (R) VALUE: FOR NEW MATERIAL SHALL BE 5 DEG F X H X SQ. FT./BTU X IN. AT 75 DEG F 5 PER INCH OF THICKNESS.

- C. ADHESIVE FOR BONDING INSULATION: PRODUCT WITH DEMONSTRATED CAPABILITY TO BOND INSULATION SECURELY TO SUBSTRATES WITHOUT DAMAGING INSULATION AND SUBSTRATES.

2.1 GLASS-FIBER BLANKET INSULATION (BATT INSULATION)

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY OWENS CORNING, OR WITH OWNER'S APPROVAL COMPARABLE PRODUCTS.
- B. UNFACED, GLASS-FIBER BLANKET INSULATION (BATT INSULATION): ASTM C 665, TYPE I; WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 25 AND 50, RESPECTIVELY, PER ASTM E 84; PASSING ASTM E 136 FOR COMBUSTION CHARACTERISTICS.

2.2 SPRAY POLYURETHANE FOAM INSULATION

- A. CLOSED-CELL POLYURETHANE FOAM INSULATION: ASTM C 1029, TYPE II, WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 75 AND 450, RESPECTIVELY, PER ASTM E 84.
1. MINIMUM DENSITY OF 1.5 LB/CU. FT.
2. MINIMUM THERMAL RESISTANCE OF 6.2 DEG F X H X SQ. FT./BTU X IN. AT 75 DEG F PER INCH OF THICKNESS.

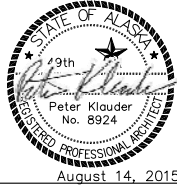
2.3 VAPOR RETARDERS

1. PROVIDE MINIMUM 6 MIL CONTINUOUS POLYETHYLENE VAPOR BARRIER.

PART 3 - EXECUTION

3.1 INSTALLATION OF VAPOR RETARDERS

- A. INSTALLATION OF VAPOR RETARDERS AT EXTERIOR WALLS AND ROOF CEILING ASSEMBLIES: SEAL VERTICAL JOINTS IN VAPOR RETARDERS OVER SUBSTRATE BY LAPPING NO LESS THAN 16-INCHES.
1. ADHERE VAPOR RETARDERS TO AT TOP, END, AND BOTTOM EDGES; AT PERIMETER OF WALL OPENINGS; AND AT LAP JOINTS.
2. SEAL OVERLAPPING JOINTS IN VAPOR RETARDERS WITH VAPOR-RETARDER TAPE ACCORDING TO VAPOR-RETARDER MANUFACTURER'S WRITTEN INSTRUCTIONS. LOCATE ALL JOINTS OVER FRAMING MEMBERS OR OTHER SOLID SUBSTRATES.
3. SEAL JOINTS CAUSED BY PIPES, CONDUITS, ELECTRICAL BOXES, AND SIMILAR ITEMS PENETRATING VAPOR RETARDERS WITH VAPOR-RETARDER TAPE TO CREATE AN AIRTIGHT SEAL BETWEEN PENETRATING OBJECTS AND VAPOR RETARDERS.
4. REPAIR TEARS OR PUNCTURES IN VAPOR RETARDERS IMMEDIATELY BEFORE CONCEALMENT BY OTHER WORK. COVER WITH VAPOR-RETARDER TAPE OR ANOTHER LAYER OF VAPOR RETARDERS.



KENAI RECREATION CENTER

HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:
PK
DRAWN:
PK, EF
CHECKED:
PK
JOB NO: 1521
DATE: August 14, 2015
REVISIONS:

A 5.0

SHEET CONTENTS:
SPECIFICATIONS

SECTION 079200, JOINT SEALANTS

- 1.1 ACTION SUBMITTALS
- A. PRODUCT DATA AND PRODUCT TEST REPORTS: FOR EACH JOINT-SEALANT PRODUCT INDICATED.

PART 2 - PRODUCTS

- 2.1 MATERIALS, GENERAL
- A. COMPATIBILITY: PROVIDE JOINT SEALANTS, BACKINGS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY JOINT-SEALANT MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.
- B. VOC CONTENT OF INTERIOR SEALANTS: SEALANTS AND SEALANT PRIMERS USED INSIDE THE WEATHERPROOFING SYSTEM SHALL COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
1. SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 250 G/L.
2. SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L.
- C. LIQUID-APPLIED JOINT SEALANTS: COMPLY WITH ASTM C 920 AND OTHER REQUIREMENTS INDICATED FOR EACH LIQUID-APPLIED JOINT SEALANT SPECIFIED, INCLUDING THOSE REFERENCING ASTM C 920 CLASSIFICATIONS FOR TYPE, GRADE, CLASS, AND USES RELATED TO EXPOSURE AND JOINT SUBSTRATES.
- D. COLORS OF EXPOSED JOINT SEALANTS: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

2.2 SILICONE JOINT SEALANTS

- A. SINGLE-COMPONENT, NONSAG, NEUTRAL-CURING SILICONE JOINT SEALANT: ASTM C 920, TYPE S, GRADE NS, CLASS 100/50, FOR USE NT.
1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY DOW CORNING CORPORATION (790), OR WITH OWNER'S APPROVAL COMPARABLE PRODUCTS.

2.3 JOINT SEALANT BACKING

- A. GENERAL: PROVIDE SEALANT BACKINGS OF MATERIAL THAT ARE NON-STAINING; ARE COMPATIBLE WITH JOINT SUBSTRATES, SEALANTS, PRIMERS, AND OTHER JOINT FILLERS; AND ARE APPROVED FOR APPLICATIONS INDICATED BY SEALANT MANUFACTURER BASED ON FIELD EXPERIENCE AND LABORATORY TESTING.
- B. CLEANERS FOR NONPOROUS SURFACES: CHEMICAL CLEANERS ACCEPTABLE TO MANUFACTURERS OF SEALANTS AND SEALANT BACKING MATERIALS, FREE OF OILY RESIDUES OR OTHER SUBSTANCES CAPABLE OF STAINING OR HARMING JOINT SUBSTRATES AND ADJACENT NONPOROUS SURFACES IN ANY WAY, AND FORMULATED TO PROMOTE OPTIMUM ADHESION OF SEALANTS TO JOINT SUBSTRATES.

PART 3 - EXECUTION

3.1 PREPARATION

- A. SURFACE CLEANING OF JOINTS: CLEAN OUT JOINTS IMMEDIATELY BEFORE INSTALLING JOINT SEALANTS TO COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTRUCTIONS AND THE FOLLOWING REQUIREMENTS:
1. REMOVE ALL FOREIGN MATERIAL FROM JOINT SUBSTRATES THAT COULD INTERFERE WITH ADHESION OF JOINT SEALANT, INCLUDING DUST, PAINTS (EXCEPT FOR PERMANENT, PROTECTIVE COATINGS TESTED AND APPROVED FOR SEALANT ADHESION AND COMPATIBILITY BY SEALANT MANUFACTURER), OLD JOINT SEALANTS, OIL, GREASE, WATERPROOFING, WATER REPELLENTS, WATER, SURFACE DIRT, AND FROST.
2. CLEAN POROUS JOINT SUBSTRATE SURFACES BY BRUSHING, GRINDING, MECHANICAL ABRADING, OR A COMBINATION OF THESE METHODS TO PRODUCE A CLEAN, SOUND SUBSTRATE CAPABLE OF DEVELOPING OPTIMUM BOND WITH JOINT SEALANTS. REMOVE LOOSE PARTICLES REMAINING AFTER CLEANING OPERATIONS ABOVE BY VACUUMING OR BLOWING OUT JOINTS WITH OIL-FREE COMPRESSED AIR. POROUS JOINT SUBSTRATES INCLUDE THE FOLLOWING:
- a. CONCRETE.
- b. MASONRY.
- c. EXTERIOR INSULATION AND FINISH SYSTEMS.
- B. JOINT PRIMING: PRIME JOINT SUBSTRATES WHERE RECOMMENDED BY JOINT-SEALANT MANUFACTURER. APPLY PRIMER TO COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTRUCTIONS. CONFIN PRIMER TO AREAS OF JOINT-SEALANT BOND; DO NOT ALLOW SPILLAGE OR MIGRATION ONTO ADJOINING SURFACES.
- C. MASKING TAPE: USE MASKING TAPE WHERE REQUIRED TO PREVENT CONTACT OF SEALANT OR PRIMER WITH ADJOINING SURFACES THAT OTHERWISE WOULD BE PERMANENTLY STAINED OR DAMAGED BY SUCH CONTACT OR BY CLEANING METHODS REQUIRED TO REMOVE SEALANT SMEARS. REMOVE TAPE IMMEDIATELY AFTER TOOLING WITHOUT DISTURBING JOINT SEAL.

3.2 INSTALLATION OF JOINT SEALANTS

- A. GENERAL: COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR PRODUCTS AND APPLICATIONS INDICATED, UNLESS MORE STRINGENT REQUIREMENTS APPLY.
- B. SEALANT INSTALLATION STANDARD: COMPLY WITH RECOMMENDATIONS IN ASTM C 1193 FOR USE OF JOINT SEALANTS AS APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS INDICATED.
- C. INSTALL SEALANT BACKINGS OF KIND INDICATED TO SUPPORT SEALANTS DURING APPLICATION AND AT POSITION REQUIRED TO PRODUCE CROSS-SECTIONAL SHAPES AND DEPTHS OF INSTALLED SEALANTS RELATIVE TO JOINT WIDTHS THAT ALLOW OPTIMUM SEALANT MOVEMENT CAPABILITY.
1. DO NOT LEAVE GAPS BETWEEN ENDS OF SEALANT BACKINGS.
2. DO NOT STRETCH, TWIST, PUNCTURE, OR TEAR SEALANT BACKINGS.
3. REMOVE ABSORBENT SEALANT BACKINGS THAT HAVE BECOME WET BEFORE SEALANT APPLICATION AND REPLACE THEM WITH DRY MATERIALS.

- D. INSTALL BOND-BREAKER TAPE BEHIND SEALANTS WHERE SEALANT BACKINGS ARE NOT USED BETWEEN SEALANTS AND BACKS OF JOINTS.
- E. INSTALL SEALANTS USING PROVEN TECHNIQUES THAT COMPLY WITH THE FOLLOWING AND AT THE SAME TIME BACKINGS ARE INSTALLED:
1. PLACE SEALANTS SO THEY DIRECTLY CONTACT AND FULLY WET JOINT SUBSTRATES.
2. COMPLETELY FILL RECESSES IN EACH JOINT CONFIGURATION.
3. PRODUCE UNIFORM, CROSS-SECTIONAL SHAPES AND DEPTHS RELATIVE TO JOINT WIDTHS THAT ALLOW OPTIMUM SEALANT MOVEMENT CAPABILITY.
- F. TOOLING OF NON-SAG SEALANTS: IMMEDIATELY AFTER SEALANT APPLICATION AND BEFORE SKINNING OR CURING BEGINS, TOOL SEALANTS ACCORDING TO REQUIREMENTS SPECIFIED IN SUBPARAGRAPHS BELOW TO FORM SMOOTH, UNIFORM BEADS OF CONFIGURATION INDICATED; TO ELIMINATE AIR POCKETS; AND TO ENSURE CONTACT AND ADHESION OF SEALANT WITH SIDES OF JOINT.

3.3 CLEANING

- A. CLEAN OFF EXCESS SEALANT OR SEALANT SMEARS ADJACENT TO JOINTS AS THE WORK PROGRESSES BY METHODS AND WITH CLEANING MATERIALS APPROVED IN WRITING BY MANUFACTURERS OF JOINT SEALANTS AND OF PRODUCTS IN WHICH JOINTS OCCUR.

SECTION 092900, GYPSUM BOARD

PART 2 - PRODUCTS

2.1 INTERIOR GYPSUM BOARD

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY AMERICAN GYPSUM, OR WITH OWNER'S APPROVAL COMPARABLE PRODUCTS.
- B. GYPSUM CEILING BOARD: ASTM C 1396/C 1396M.
1. THICKNESS: 1/2 INCH UNLESS INDICATED OTHERWISE. ALL CEILING LOCATIONS, MATCH EXISTING LAYERING SYSTEM.
2. LONG EDGES: TAPERED.
- C. MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD: ASTM C 1396/C 1396M. WITH MOISTURE- AND MOLD-RESISTANT CORE AND PAPER SURFACES. ALL VERTICAL WALL LOCATIONS, SINGLE-LAYER APPLICATION.
1. CORE: 5/8 INCH, TYPE X.
2. LONG EDGES: TAPERED.
3. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10 AS RATED ACCORDING TO ASTM D 3274.

2.2 TRIM ACCESSORIES

- A. INTERIOR TRIM: ASTM C 1047.
1. MATERIAL: GALVANIZED OR ALUMINUM-COATED STEEL SHEET, ROLLED ZINC, PLASTIC, OR PAPER-FACED GALVANIZED STEEL SHEET.
2. SHAPES:
- a. CORNERBEAD.
- b. LC-BEAD: J-SHAPED; EXPOSED LONG FLANGE RECEIVES JOINT COMPOUND.
- c. EXPANSION (CONTROL) JOINT.

2.3 JOINT TREATMENT MATERIALS

- A. GENERAL: COMPLY WITH ASTM C 475/C 475M.
- B. JOINT TAPE:
1. INTERIOR GYPSUM BOARD: PAPER.
- C. JOINT COMPOUND FOR INTERIOR GYPSUM BOARD: FOR EACH COAT USE FORMULATION THAT IS COMPATIBLE WITH OTHER COMPOUNDS APPLIED ON PREVIOUS OR FOR SUCCESSIVE COATS.
1. PRE-FILLING: AT OPEN JOINTS AND DAMAGED SURFACE AREAS, USE SETTING-TYPE TAPING COMPOUND.
2. EMBEDDING AND FIRST COAT: FOR EMBEDDING TAPE AND FIRST COAT ON JOINTS, FASTENERS, AND TRIM FLANGES, USE SETTING-TYPE TAPING OR DRYING-TYPE, ALL-PURPOSE COMPOUND.
- a. USE SETTING-TYPE COMPOUND FOR INSTALLING PAPER-FACED METAL TRIM ACCESSORIES.
3. FILL COAT: FOR SECOND COAT, USE DRYING-TYPE, ALL-PURPOSE COMPOUND.
4. FINISH COAT: FOR THIRD COAT, USE DRYING-TYPE, ALL-PURPOSE COMPOUND.

PART 3 - EXECUTION

3.1 APPLYING AND FINISHING PANELS, GENERAL

- A. COMPLY WITH ASTM C 840.
- B. INSTALL CEILING PANELS ACROSS FRAMING TO MINIMIZE THE NUMBER OF ABUTTING END JOINTS AND TO AVOID ABUTTING END JOINTS IN CENTRAL AREA OF EACH CEILING. STAGGER ABUTTING END JOINTS OF ADJACENT PANELS NOT LESS THAN ONE FRAMING MEMBER.
- C. INSTALL PANELS WITH FACE SIDE OUT. BUTT PANELS TOGETHER FOR A LIGHT CONTACT AT EDGES AND ENDS WITH NOT MORE THAN 1/16 INCH OF OPEN SPACE BETWEEN PANELS. DO NOT FORCE INTO PLACE.
- D. FORM CONTROL AND EXPANSION JOINTS WITH SPACE BETWEEN EDGES OF ADJOINING GYPSUM PANELS.
- E. FASTENING METHODS: APPLY GYPSUM PANELS TO SUPPORTS WITH STEEL DRILL SCREWS.

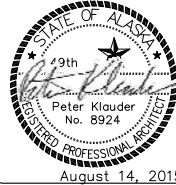
3.2 INSTALLING TRIM ACCESSORIES

- A. GENERAL: FOR TRIM WITH BACK FLANGES INTENDED FOR FASTENERS, ATTACH TO FRAMING WITH SAME FASTENERS USED FOR PANELS. OTHERWISE, ATTACH TRIM ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

- B. INTERIOR TRIM: INSTALL IN THE FOLLOWING LOCATIONS:
1. CORNERBEAD: USE AT OUTSIDE CORNERS.
2. LC-BEAD: USE AT EXPOSED PANEL EDGES.

3.3 FINISHING GYPSUM BOARD

- A. GENERAL: TREAT GYPSUM BOARD JOINTS, INTERIOR ANGLES, EDGE TRIM, CONTROL JOINTS, PENETRATIONS, FASTENER HEADS, SURFACE DEFECTS, AND ELSEWHERE AS REQUIRED TO PREPARE GYPSUM BOARD SURFACES FOR DECORATION. PROMPTLY REMOVE RESIDUAL JOINT COMPOUND FROM ADJACENT SURFACES.
- B. APPLY JOINT TAPE OVER GYPSUM BOARD JOINTS, EXCEPT FOR TRIM PRODUCTS SPECIFICALLY INDICATED AS NOT INTENDED TO RECEIVE TAPE.
- C. GYPSUM BOARD FINISH LEVELS: FINISH PANELS TO LEVELS INDICATED BELOW AND ACCORDING TO ASTM C 840:
1. LEVEL 1: CEILING PLENUM AREAS, CONCEALED AREAS, AND WHERE INDICATED.
2. LEVEL 4: AT PANEL SURFACES THAT WILL BE EXPOSED TO VIEW WITH SMOOTH FINISH.
- a. PRIMER AND ITS APPLICATION TO SURFACES ARE SPECIFIED IN SECTION "INTERIOR PAINTING."



KENAI RECREATION CENTER
HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:
PK
DRAWN:
PK, EF
CHECKED:
PK
JOB NO: 1521
DATE: August 14, 2015
REVISIONS:

A 5.1
SHEET CONTENTS:
SPECIFICATIONS

SECTION 096513; RESILIENT BASE AND ACCESSORIES

PART 2 - PRODUCTS

2.1 RESILIENT BASE

- A. RESILIENT BASE:
- MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ROPPE CORPORATION, USA, OR WITH OWNER'S APPROVAL COMPARABLE PRODUCTS.
- B. RESILIENT BASE STANDARD: ASTM F 1861.
- MATERIAL REQUIREMENT: TYPE TS (RUBBER, VULCANIZED THERMOSET) OR TYPE TP (RUBBER, THERMOPLASTIC).
 - MANUFACTURING METHOD: GROUP I (SOLID, HOMOGENEOUS) OR GROUP II (LAYERED).
 - STYLE: COVE (BASE WITH TOE).
- C. MINIMUM THICKNESS: 0.125 INCH.
- D. HEIGHT: 4 INCHES UNLESS INDICATED OTHERWISE.
- E. LENGTHS: COILS IN MANUFACTURER'S STANDARD LENGTH.
- F. OUTSIDE CORNERS: JOB FORMED OR PREFORMED.
- G. INSIDE CORNERS: JOB FORMED OR PREFORMED.
- H. FINISH: LOW LUSTER.
- I. COLORS: BLACK.

2.2 INSTALLATION MATERIALS

- A. TROWELABLE LEVELING AND PATCHING COMPOUNDS: LATEX-MODIFIED, PORTLAND CEMENT BASED OR BLENDED HYDRAULIC-CEMENT-BASED FORMULATION PROVIDED OR APPROVED BY MANUFACTURER FOR APPLICATIONS INDICATED.
- B. ADHESIVES: WATER-RESISTANT TYPE RECOMMENDED BY MANUFACTURER TO SUIT RESILIENT PRODUCTS AND SUBSTRATE CONDITIONS INDICATED.

PART 3 - EXECUTION

3.1 PREPARATION

- A. PREPARE SUBSTRATES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS TO ENSURE ADHESION OF RESILIENT PRODUCTS.
- B. FILL CRACKS, HOLES, AND DEPRESSIONS IN SUBSTRATES WITH TROWELABLE LEVELING AND PATCHING COMPOUND AND REMOVE BUMPS AND RIDGES TO PRODUCE A UNIFORM AND SMOOTH SUBSTRATE.
- C. DO NOT INSTALL RESILIENT PRODUCTS UNTIL THEY ARE SAME TEMPERATURE AS THE SPACE WHERE THEY ARE TO BE INSTALLED.
- MOVE RESILIENT PRODUCTS AND INSTALLATION MATERIALS INTO SPACES WHERE THEY WILL BE INSTALLED AT LEAST 48 HOURS IN ADVANCE OF INSTALLATION.
- D. SWEEP AND VACUUM CLEAN SUBSTRATES TO BE COVERED BY RESILIENT PRODUCTS IMMEDIATELY BEFORE INSTALLATION.

3.2 RESILIENT BASE INSTALLATION

- A. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLING RESILIENT BASE.
- B. INSTALL RESILIENT BASE IN LENGTHS AS LONG AS PRACTICABLE WITHOUT GAPS AT SEAMS AND WITH TOPS OF ADJACENT PIECES ALIGNED.
- C. TIGHTLY ADHERE RESILIENT BASE TO SUBSTRATE THROUGHOUT LENGTH OF EACH PIECE, WITH BASE IN CONTINUOUS CONTACT WITH HORIZONTAL AND VERTICAL SUBSTRATES.
- D. DO NOT STRETCH RESILIENT BASE DURING INSTALLATION.
- E. ON MASONRY SURFACES OR OTHER SIMILAR IRREGULAR SUBSTRATES, FILL VOIDS ALONG TOP EDGE OF RESILIENT BASE WITH MANUFACTURER'S RECOMMENDED ADHESIVE FILLER MATERIAL.
- F. PREFORMED CORNERS: INSTALL PREFORMED CORNERS BEFORE INSTALLING STRAIGHT PIECES.
- G. JOB-FORMED CORNERS:
- OUTSIDE CORNERS: USE STRAIGHT PIECES OF MAXIMUM LENGTHS POSSIBLE. FORM WITHOUT PRODUCING DISCOLORATION (WHITENING) AT BENDS.
 - INSIDE CORNERS: USE STRAIGHT PIECES OF MAXIMUM LENGTHS POSSIBLE.

SECTION 099123, INTERIOR PAINTING

PART 1 - GENERAL

1.1 DEFINITIONS

- A. GLOSS LEVEL 5: 35 TO 70 UNITS AT 60 DEGREES, ACCORDING TO ASTM D 523.
- B. GLOSS LEVEL 6: MINIMUM LEVEL OF 65 UNITS AT 60 DEGREES, ACCORDING TO ASTM D 523.

1.2 ACTION SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT. INCLUDE PREPARATION REQUIREMENTS AND APPLICATION INSTRUCTIONS.
- B. SAMPLES FOR VERIFICATION: FOR EACH TYPE OF PAINT SYSTEM AND IN EACH COLOR AND GLOSS OF TOPCOAT.
- SUBMIT SAMPLES ON RIGID BACKING, 8 INCHES SQUARE.

1.3 MAINTENANCE MATERIAL SUBMITTALS

- A. FURNISH EXTRA MATERIALS, FROM THE SAME PRODUCT RUN, THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS.
- PAINT: 5 PERCENT, BUT NOT LESS THAN 1 GAL. OF EACH MATERIAL AND COLOR APPLIED.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE SHERWIN-WILLIAMS COMPANY, OR WITH OWNER'S APPROVAL COMPARABLE PRODUCTS.

2.2 PAINT, GENERAL

- A. MPI STANDARDS: PROVIDE PRODUCTS THAT COMPLY WITH MPI STANDARDS INDICATED AND THAT ARE LISTED IN ITS "MPI APPROVED PRODUCTS LIST."
- B. MATERIAL COMPATIBILITY:
- PROVIDE MATERIALS FOR USE WITHIN EACH PAINT SYSTEM THAT ARE COMPATIBLE WITH ONE ANOTHER, COMPATIBLE WITH THE EXISTING SURROUND, AND SUBSTRATES INDICATED, UNDER CONDITIONS OF SERVICE AND APPLICATION AS DEMONSTRATED BY MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.
- C. COLORS: MATCH EXISTING.

2.3 PRIMERS/SEALERS

- A. PRIMER SEALER, LATEX, INTERIOR: MPI #50.

2.4 WATER-BASED PAINTS

- A. LATEX, INTERIOR, SEMI-GLOSS, (GLOSS LEVEL 5): MPI #54.

2.5 CONCRETE SEALERS

- A. SEALER, SOLVENT BASED, FOR CONCRETE FLOORS: MPI #104.
- SOLVENT BASED, ACRYLIC TYPE, CLEAR SEALER FOR INTERIOR AND EXTERIOR HORIZONTAL CONCRETE FLOORS, DECKS AND EXPOSED AGGREGATE DRIVEWAYS. OIL, GASOLINE, ALKALI AND WATER RESISTANT..

PART 3 - EXECUTION

3.1 PREPARATION AND APPLICATION

- A. PREPARE SUBSTRATE AND APPLY PAINTS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND TO RECOMMENDATIONS IN "MPI MANUAL."
- B. IF UNDERCOATS OR OTHER CONDITIONS SHOW THROUGH TOPCOAT, APPLY ADDITIONAL COATS UNTIL CURED FILM HAS A UNIFORM PAINT FINISH, COLOR, AND APPEARANCE.

3.2 CLEANING AND PROTECTION

- A. AFTER COMPLETING PAINT APPLICATION, CLEAN SPATTERED SURFACES. REMOVE SPATTERED PAINTS BY WASHING, SCRAPING, OR OTHER METHODS. DO NOT SCRATCH OR DAMAGE ADJACENT FINISHED SURFACES.
- B. PROTECT WORK OF OTHER TRADES AGAINST DAMAGE FROM PAINT APPLICATION. CORRECT DAMAGE TO WORK OF OTHER TRADES BY CLEANING, REPAIRING, REPLACING, AND REFINISHING, AS APPROVED BY ARCHITECT, AND LEAVE IN AN UNDAMAGED CONDITION.
- C. AT COMPLETION OF CONSTRUCTION ACTIVITIES OF OTHER TRADES, TOUCH UP AND RESTORE DAMAGED OR DEFACED PAINTED SURFACES.

3.3 INTERIOR PAINTING SCHEDULE

- A. GYPSUM BOARD SUBSTRATES:
- LATEX SYSTEM:
 - PRIME COAT: PRIMER SEALER, LATEX, INTERIOR, MPI #50.
 - INTERMEDIATE COAT: LATEX, INTERIOR, MATCHING TOPCOAT.
 - TOPCOAT: LATEX, INTERIOR, SEMI-GLOSS, (GLOSS LEVEL 5), MPI #54.

SECTION 099600, HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 ACTION SUBMITTALS

- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED. INCLUDE PREPARATION REQUIREMENTS AND APPLICATION INSTRUCTIONS.
- B. SAMPLES FOR INITIAL SELECTION: FOR EACH TYPE OF TOPCOAT PRODUCT INDICATED.
- C. SAMPLES FOR VERIFICATION: FOR EACH TYPE OF COATING SYSTEM AND IN EACH COLOR AND GLOSS OF TOPCOAT INDICATED.
- SUBMIT SAMPLES ON RIGID BACKING, 8 INCHES SQUARE.
 - LABEL EACH SAMPLE FOR LOCATION AND APPLICATION AREA.
- D. PRODUCT LIST: FOR EACH PRODUCT INDICATED, INCLUDE THE FOLLOWING:
- CROSS-REFERENCE TO PAINT SYSTEM AND LOCATIONS OF APPLICATION AREAS. USE SAME DESIGNATIONS INDICATED ON DRAWINGS AND IN SCHEDULES.
 - PRINTOUT OF CURRENT "MPI APPROVED PRODUCTS LIST" FOR EACH PRODUCT CATEGORY SPECIFIED IN PART 2, WITH THE PROPOSED PRODUCT HIGHLIGHTED.

1.2 MAINTENANCE MATERIAL SUBMITTALS

- A. FURNISH EXTRA MATERIALS, FROM THE SAME PRODUCT RUN, THAT MATCH PRODUCTS INSTALLED AND THAT ARE PACKAGED WITH PROTECTIVE COVERING FOR STORAGE AND IDENTIFIED WITH LABELS DESCRIBING CONTENTS.
- COATINGS: 5 PERCENT, BUT NOT LESS THAN 1 GAL. OF EACH MATERIAL AND COLOR APPLIED.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. STORE MATERIALS NOT IN USE IN TIGHTLY COVERED CONTAINERS IN WELL-VENTILATED AREAS WITH AMBIENT TEMPERATURES CONTINUOUSLY MAINTAINED AT NOT LESS THAN 45 DEG F.
- MAINTAIN CONTAINERS IN CLEAN CONDITION, FREE OF FOREIGN MATERIALS AND RESIDUE.
 - REMOVE RAGS AND WASTE FROM STORAGE AREAS DAILY.

1.4 FIELD CONDITIONS

- A. APPLY COATINGS ONLY WHEN TEMPERATURE OF SURFACES TO BE COATED AND SURROUNDING AIR TEMPERATURES ARE BETWEEN 50 AND 95 DEG F.
- B. DO NOT APPLY COATINGS WHEN RELATIVE HUMIDITY EXCEEDS 85 PERCENT; AT TEMPERATURES LESS THAN 5 DEG F ABOVE THE DEW POINT; OR TO DAMP OR WET SURFACES.
- C. DO NOT APPLY EXTERIOR COATINGS IN SNOW, RAIN, FOG, OR MIST.

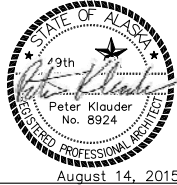
PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE SHERWIN-WILLIAMS COMPANY OR WITH OWNER'S APPROVAL COMPARABLE PRODUCTS.

2.2 HIGH-PERFORMANCE COATINGS, GENERAL

- A. MPI STANDARDS: PROVIDE PRODUCTS THAT COMPLY WITH MPI STANDARDS INDICATED AND ARE LISTED IN "MPI APPROVED PRODUCTS LIST."
- B. MATERIAL COMPATIBILITY:
- PROVIDE MATERIALS FOR USE WITHIN EACH COATING SYSTEM THAT ARE COMPATIBLE WITH ONE ANOTHER AND SUBSTRATES INDICATED, UNDER CONDITIONS OF SERVICE AND APPLICATION AS DEMONSTRATED BY MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.
 - FOR EACH COAT IN A COATING SYSTEM, PROVIDE PRODUCTS RECOMMENDED IN WRITING BY MANUFACTURERS OF TOPCOAT FOR USE IN COATING SYSTEM AND ON SUBSTRATE INDICATED.
 - PROVIDE PRODUCTS OF SAME MANUFACTURER FOR EACH COAT IN A COATING SYSTEM.
- C. VOC CONTENT: PRODUCTS SHALL COMPLY WITH VOC LIMITS OF AUTHORITIES HAVING JURISDICTION.
- D. COLORS: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.



KENAI RECREATION CENTER

HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:
PK
DRAWN: PK, EF
CHECKED: PK
JOB NO: 1521
DATE: August 14, 2015
REVISIONS:

A 5.2
SHEET CONTENTS:
SPECIFICATIONS

GENERAL
ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF THE INTERNATIONAL CODE COUNCIL INTERNATIONAL BUILDING CODE (IBC) 2009 EDITION. WHERE EXPLICIT DETAILS ARE NOT SHOWN OR DESCRIBED, THE MINIMUM REQUIREMENTS OF THE ABOVE CODE SHALL APPLY. UNLESS OTHERWISE NOTED, ALL CODES, STANDARDS AND OTHER PUBLICATIONS CITED SHALL REFER TO THE LATEST EDITION.

LOCATION
THESE DRAWINGS ARE INTENDED FOR AN ADDTION TO THE KENAI RECREATION CENTER IN KENAI, ALASKA

DESIGN LOADS
IN ADDITION TO DEAD LOADS, THE FOLLOWING LIVE LOADS WERE USED FOR DESIGN:

ROOF: 60 P.S.F. (SNOW – 2 MONTH DURATION) PLUS DRIFTING
WIND: 110 MPH, EXPOSURE B
SEISMIC: Ss=128%, S1=47%, SITE CLASS D.
OCCUPANCY CATAGORY: II, NON-ESSENTIAL FACILITY
SEISMIC DESIGN CATEGORY: D

LATERAL LOADS ARE RESISTED BY WOOD SHEAR WALLS AND DIAPHRAGMS.

SITE WORK
EXCAVATE UNDER BUILDING FOOTPRINT AS REQUIRED TO REMOVE ALL ORGANIC MATERIAL AND FROST SUSCEPTIBLE SOILS. CONSTRUCT FOUNDATION ON NATIVE NON-FROST SUSCEPTIBLE SAND OR GRAVEL. WHERE EXCAVATION REQUIRED TO REMOVE FROST SUSCEPTIBLE SOILS EXTENDS BELOW BOTTOM OF FOOTING, BACKFILL TO BOTTOM OF FOOTING ELEVATION IN 1 FOOT LIFTS WITH NON-FROST SUSCEPTIBLE GRAVEL. COMPACT EACH LIFT TO 95% MAX DRY DENSITY.

CONCRETE
MIXING, SELECTION OF MATERIALS, AND PLACING OF ALL CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF THE IBC, CHAPTER 19. AN AIR ENTRAINING AGENT SHALL BE USED IN ALL CONCRETE MIXES FOR CONCRETE WORK WHICH IS TO BE EXPOSED TO EARTH OR WEATHER.

AIR ENTRAINMENT SHALL BE 5% +/- 1% BY VOLUME. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (F'C) = 3000 P.S.I. EXCEPT CONCRETE GROUT FOR MASONRY WALLS WHICH SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (F'C)= 2000 P.S.I. CONCRETE FOR INTERIOR AND EXTERIOR SLABS SHALL CONTAIN 0.1% BY VOLUME OF 'GENESIS FIBER' COLLATED FIBRILLATED POLYPROPYLENE FIBER. THE FIBER SHALL BE THOROUGHLY MIXED INTO THE CONCRETE IN TRANSIT TO THE SITE, IN ACCORDANCE WITH THE FIBER MANUFACTURER'S RECOMMENDATIONS.

REINFORCING STEEL
UNLESS NOTED OTHERWISE, ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO IBC CHAPTER 19. REINFORCING BARS SHALL BE GRADE 60. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 DOUBLE ANNEALED IRON WIRE. REINFORCING IN FOOTINGS SHALL BE SUPPORTED ON WELL CURED CONCRETE BLOCKING OR APPROVED METAL CHAIRS. REINFORCING BARS SHALL BE SPLICED BY A LAP OF AT LEAST 30 BAR DIAMETERS. A MINIMUM LAP FOR ALL BARS SHALL BE 24". CONCRETE COVER OVER REINFORCING SHALL BE 3" FOR CONCRETE CAST AGAINST EARTH. CONCRETE COVER FOR FORMED CONCRETE THAT WILL BE EXPOSED TO WEATHER OR EARTH SHALL BE 2" MINIMUM FOR #6 THROUGH #18 BARS AND 1 1/2" MINIMUM FOR #5 BARS AND SMALLER, INCLUDING WELDED WIRE FABRIC (WWF). OTHER REINFORCEMENT SHALL HAVE A MINIMUM COVERAGE OF NOT LESS THAN 3/4".

ADHESIVE ANCHORING SYSTEM
THREADED ROD ANCHORS AND REINFORCING BAR DOWELS SHALL BE SET IN HILTI HIT RE-500SD ADHESIVE OR STRUCTURAL EQUIVALENT APPROVED BY THE ENGINEER OF RECORD. ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE ADHESIVE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES. MINIMUM EMBEDMENT IN CONCRETE FOR ALL ANCHORS SHALL BE 3 1/2" UNLESS NOTED OTHERWISE.

ANCHOR BOLTS AND CONCRETE EXPANSION ANCHORS
ANCHOR BOLTS, THREADED RODS AND CONCRETE EXPANSION ANCHORS SHALL CONFORM TO ASTM F1554 GRADE 36. CONCRETE EXPANSION ANCHORS (KB) SHALL BE "HILTI KWIK BOLT II" CONCRETE EXPANSION ANCHORS OR STRUCTURAL EQUIVALENT, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ANCHOR BOLTS SHALL BE PROVIDES WITH HEX HEAD NUTS AND 3"x3"x1/4" STEEL PLATE WASHERS. WHERE BOLTS OR RODS ARE USED WITH CEDAR SILL PLATES, BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED OR SHALL BE STAINLESS STEEL.

STRUCTURAL STEEL AND CONNECTORS
STRUCTURAL STEEL SHALL CONFORM TO IBC CHAPTER 22, FOR ASTM SPECIFICATION A-36, FY = 36 K.S.I. EXCEPT WHERE NOTED OTHERWISE. STEEL TUBING (TS) SHALL CONFORM TO ASTM A500, GRADE B, FY = 46 K.S.I. DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE IBC CHAPTER 22, DIVISION IX, ALLOWABLE STRESS DESIGN. MACHINE BOLTS (MB) SHALL CONFORM TO ASTM F1554 GRADE 36 AND SHALL BE PROVIDED WITH STANDARD HEX HEAD NUTS CONFORMING TO ASTM A563, GRADE A AND HARDENED STEEL CIRCULAR WASHERS CONFORMING TO ASTM F436. ALL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY D1.1. ALL WELDS SHALL BE CONTINUOUS 3/16" MINIMUM UNLESS OTHERWISE NOTED. ELECTRODES SHALL BE A.W.S. E-70. ANCHOR ALL COLUMNS WITH MINIMUM (4) 3/4" X 10" ANCHOR BOLTS UNLESS SHOWN OTHERWISE. PROVIDE ADEQUATE LATERAL BRACING FOR STRUCTURE DURING CONSTRUCTION.

SAWN LUMBER AND TIMBER
LUMBER SHALL CONFORM TO THE CLASSIFICATION, DEFINITION, AND GRADING REQUIREMENTS OF IBC CHAPTER 23 WITH ALLOWABLE UNIT STRESSES AS GIVEN IN THE AMERICAN FOREST & PAPER ASSOCIATION 'NATIONAL DESIGN SPECIFICATION 2005 SUPPLEMENT', TABLE 4A. LUMBER SHALL BE GRADE MARKED BY THE WEST COAST LUMBER INSPECTION BUREAU /WESTERN WOOD PRODUCTS ASSOCIATION.

ITEM	SPECIES
4 X AND LARGER	DOUGLAS FIR #2
BEARING WALL PLATES	HEM FIR #2
BEARING WALL STUDS	HEM FIR #2
ALL OTHER LUMBER	HEM FIR #2

ALL LUMBER SHALL BE FASTENED IN CONFORMANCE WITH TABLE 2304.9.1 OF THE IBC, UNLESS NOTED OTHERWISE. FASTENERS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED. FASTEN ALL JOIST BLOCKING TO PLATES WITH (4) 16D MINIMUM AND FASTEN ALL WALL PLATES TO WOOD FLOORS WITH 16D AT 6" ON CENTER TYPICAL. DOUBLE TOP PLATES SHALL OVERLAP 10' – 0" MINIMUM AND SHALL BE SPLICED TOGETHER WITH 16D NAILS AT 6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

PROVIDE JOIST/BEAM HANGERS WITH LOAD CAPACITY EQUAL TO SUPPORTED MEMBER SHEAR LOAD CAPACITY FOR ALL MEMBERS NOT OTHERWISE PROVIDED WITH DIRECT BEARING SUPPORT. PROVIDE A MINIMUM OF (2) KING STUDS AND (2) CRIPPLE STUDS FOR ALL HEADERS. PROVIDE SOLID BLOCKING SUPPORT FOR HEADERS CONTINUOUS DOWN TO FOUNDATIONS UNDER ALL BEAMS AND HEADERS. MINIMUM HEADER OVER OPENINGS SHALL BE 4X10 DF#2 UNLESS NOTED OTHERWISE.

BOLT HEADS AND NUTS BEARING AGAINST WOOD TO BE PROVIDED WITH FLAT WASHERS. SOLID BLOCKING OF NOT LESS THAN 2" NOMINAL THICKNESS SHALL BE PROVIDED AT ENDS AND AT ALL SUPPORTS OF JOISTS AND RAFTERS, UNLESS SHOWN OTHERWISE. BEAM AND JOIST HANGERS SHALL HAVE A CAPACITY EQUAL TO THE SHEAR STRENGTH OF THE BEAM OR JOIST WHICH IT IS SUPPORTING, UNLESS NOTED OTHERWISE. ALL METAL FRAMING ANCHORS AND HANGERS SHOWN ON DRAWINGS SHALL BE "STRONG TIE CONNECTORS" AS MANUFACTURED BY SIMPSON COMPANY OR APPROVED EQUAL. ALL NAILS AND SIMPSON CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE ZMAX OR HOT DIPPED GALVANIZED COATING.

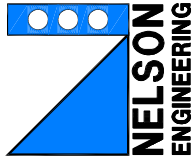
PLYWOOD
ALL PLYWOOD SHALL CONFORM TO IBC CHAPTER 23 AND SHALL BE AMERICAN PLYWOOD ASSOCIATION GRADE TRADE MARKED. PLYWOOD SHALL BE GROUP I OR GROUP II DOUGLAS FIR. ALL PANELS SHALL BE NOMINAL 4' X 8' PANELS. UTILIZE FULL SHEETS WHEREVER POSSIBLE. LAY FACE GRAIN OF ROOF AND FLOOR SHEATHING PANELS PERPENDICULAR TO JOISTS AND WITH PANEL CONTINUOUS OVER THREE OR MORE SPANS. STAGGER END JOINTS OF SUCCESSIVE COURSES 4' – 0". WALL SHEATHING SHALL BE INSTALLED WITH THE FACE GRAIN PARALLEL TO STUDS, (LONG DIMENSION VERTICAL).

ROOF SHEATHING: SHALL BE 5/8" THICK GRADE APA 40/20 SPAN RATED PLYWOOD WITH EXTERIOR GLUE. ROOF SHEATHING SHALL BE FASTENED TO END SUPPORTS WITH 10D GALVANIZED NAILS AT 6" O/C. AT BLOCKED DIAPHRAGM LOCATIONS, FASTEN PLYWOOD TO FRAMING AT ALL PANEL EDGES WITH 10D GALVANIZED NAILS @ 4" O/C. AT ALL LOCATIONS, FASTEN PLYWOOD TO INTERMEDIATE SUPPORTS WITH 10D GALVANIZED NAILS AT 12 INCHES ON CENTER. PROVIDE 2X4 BLOCKING ALONG ALL PANEL EDGES WHERE SHOWN ON THE DRAWINGS. FASTEN ROOF SHEATHING TO BLOCKING OVER EXTERIOR WALLS WITH 10D GALVANIZED NAILS AT 4" O/C.

WALL SHEATHING: EXCEPT WHERE NOTED OTHERWISE, WALL SHEATHING SHALL BE 15/32" THICK STRUCTURAL 1 PLYWOOD WITH EXTERIOR GLUE AND SHALL BE FASTENED TO FRAMING WITH 8D (0.131"x2.5" COMMON, 0.113"x2.5" GALVANIZED BOX) GALV NAILS @ 3" O.C ALONG PANEL EDGES AND 8D GALV NAILS @ 12" O/C ALONG INTERMEDIATE FRAMING. WALL SHEATHING SHALL BE BLOCKED AT ALL EDGES WITH NOMINAL 2" SOLID BLOCKING.

PRESSURE TREATED WOOD
ALL WOOD INDICATED AS PRESSURE TREATED, (PT), SHALL BE PRESSURE TREATED IN ACCORDANCE WITH THE AMERICAN WOOD PROTECTION ASSOCIATION STANDARD U1-02. THE PRESERVATIVE SHALL BE ALKALINE COPPER QUAT (ACQ). ALL WOOD SHALL BE TREATED TO A RETENTION OF 0.60 PCF AS REQUIRED FOR 'GROUND CONTACT'. ALL PRESSURE TREATED WOOD SHALL BE APPROPRIATELY MARKED ATTESTING TO COMPLIANCE WITH THESE REQUIREMENTS. LUMBER SHALL BE DRIED AFTER TREATMENT TO A MOISTURE CONTENT OF 19% OR LESS. ALL BOLTS, NAILS AND CONNECTORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE ZMAX GALVANIZED OR HOT DIPPED GALVANIZED.

GLUED LAMINATED STRUCTURAL UNITS
MATERIALS, MANUFACTURE, AND QUALITY CONTROL OF GLUED LAMINATED STRUCTURAL UNITS (GLULAM) SHALL CONFORM TO IBC CHAPTER 23 WITH ALLOWABLE STRESSES AS DEFINED IN AMERICAN FOREST & PAPER ASSOCIATION 'NATIONAL DESIGN SPECIFICATION 2001 SUPPLEMENT', TABLE 5A, AND SHALL BE DOUGLAS FIR, COMBINATION 24F-V8, DF/DF. GLUE LAMINATED STRUCTURAL UNITS SHALL BE GRADE MARKED BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, AITC.



KENAI RECREATION CENTER
HALLWAY ADDITION
CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.
606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:
PK
DRAWN: MJD
CHECKED: WJN
JOB NO: 1549
DATE: 08-14-15
REVISIONS:

CATEGORY: S
SHEET: 1.1
SHEET CONTENTS:
NOTES & SPECIFICATIONS
.
.
1 OF 5

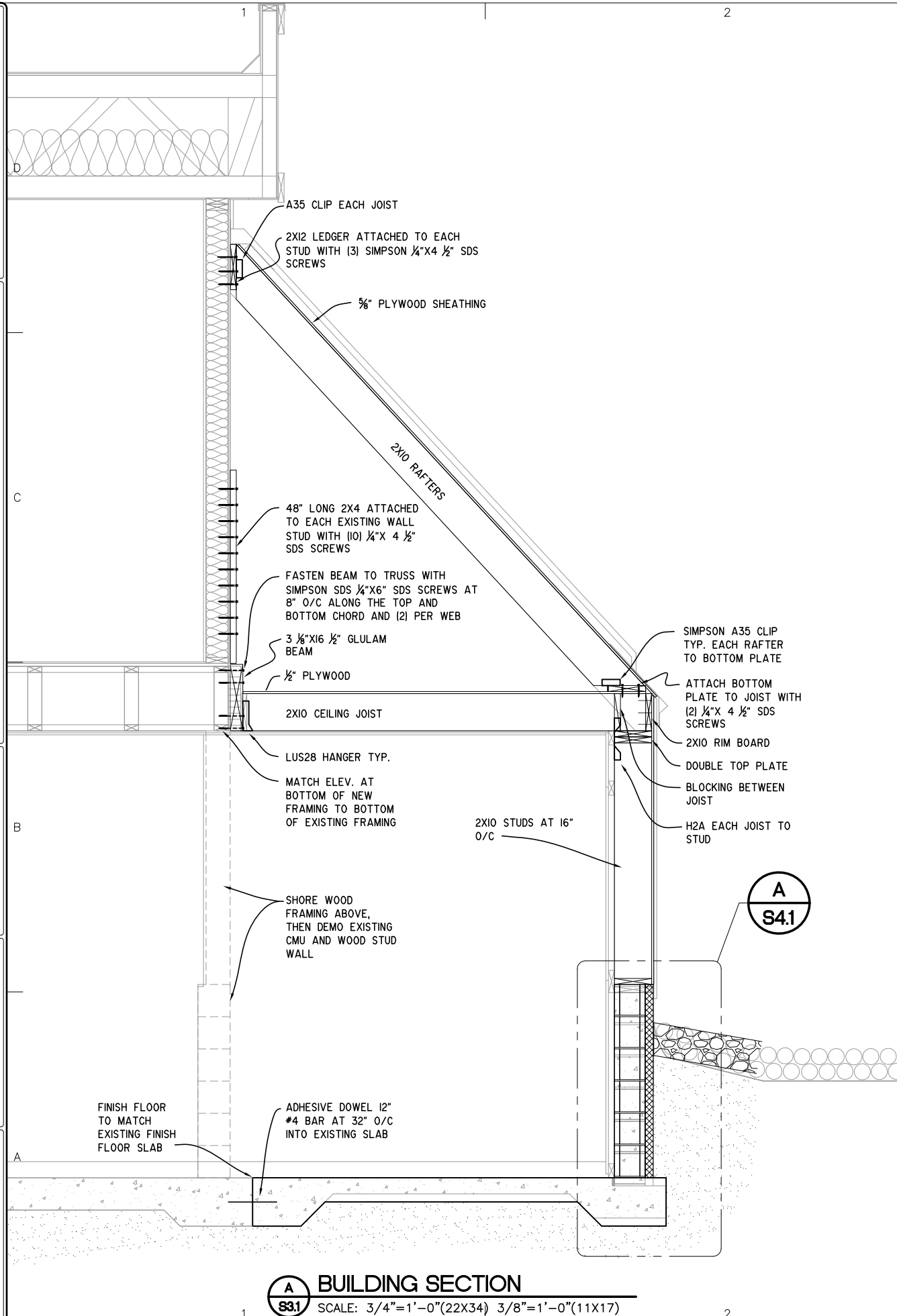
AutoCAD FILE:

FOUNDATION PLAN
SCALE: 1/2"=1'-0"(22X34) 1/4"=1'-0"(11X17)

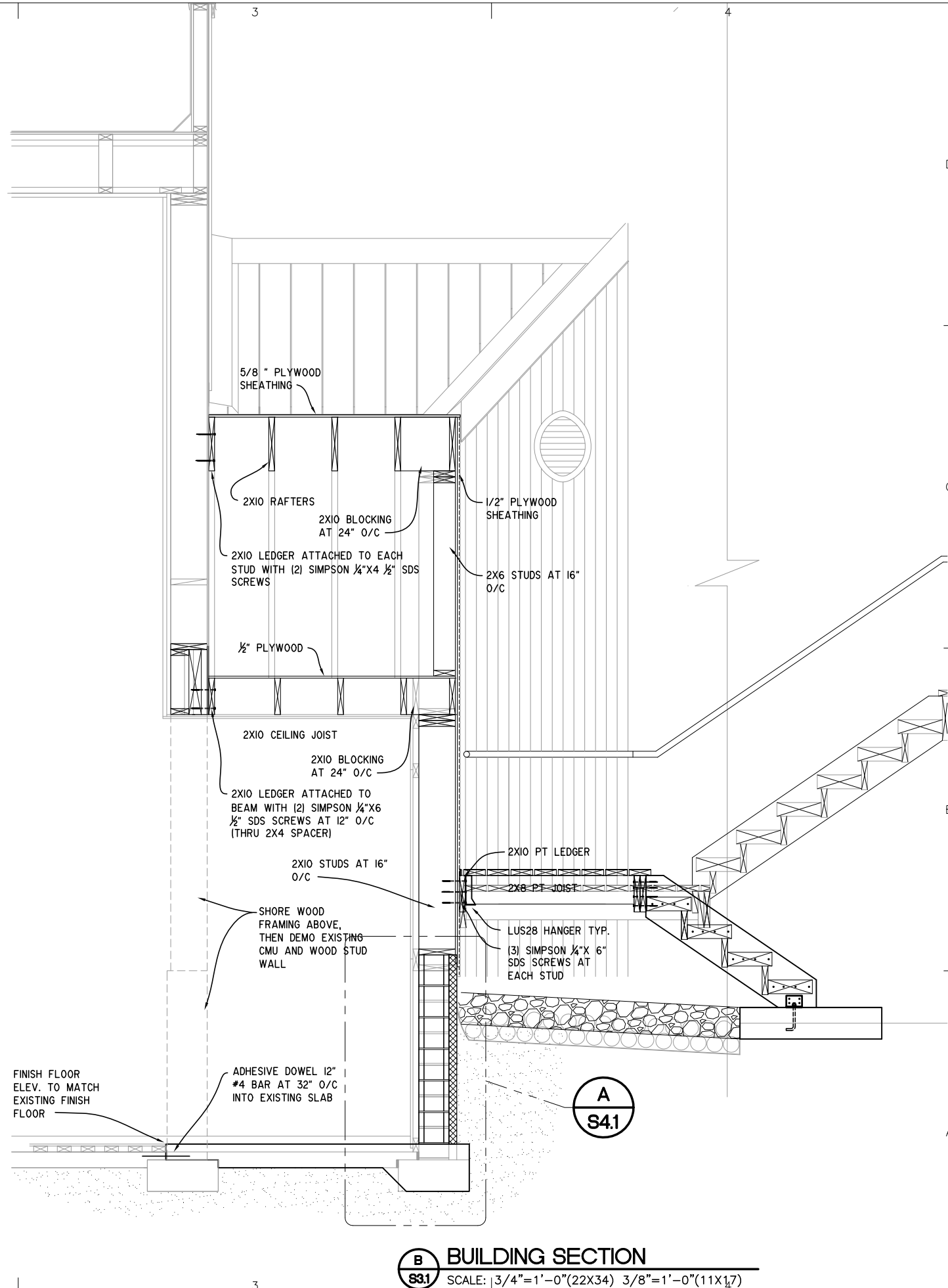
B **CEILING AND STAIR FRAMING PLAN**
821 SCALE: 1/2"=1'-0"(22X34) 1/4"=1'-0"(11X17)

821 ROOF FRAMING PLAN
SCALE: 1/2"=1'-0"(22X34) 1/4"=1'-0"(11X17)

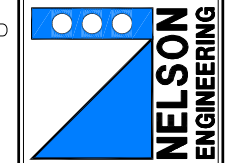
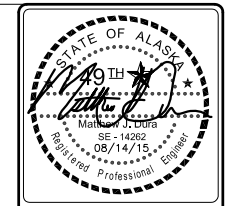
AutoCAD FILE:



A BUILDING SECTION
S3.1 SCALE: 3/4"=1'-0"(22X34) 3/8"=1'-0"(11X17)



B BUILDING SECTION
S3.1 SCALE: $3/4"=1'-0"$ (22X34) $3/8"=1'-0"$ (11X17)



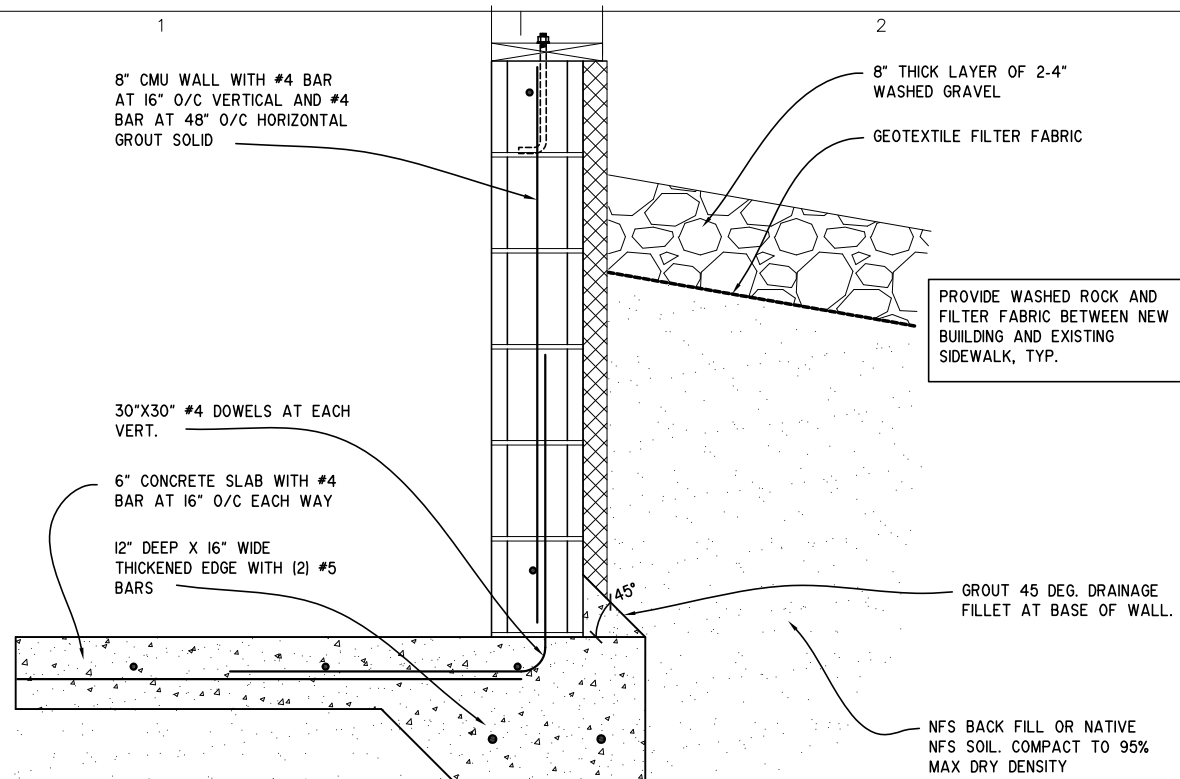
PROJECT:	KENAI RECREATION CENTER HALLWAY ADDITION
CLIENT:	CITY OF KENAI 210 FIDALGO AVENUE KENAI, AK 99611

KLAUDER & COMPANY
ARCHITECTS, INC.

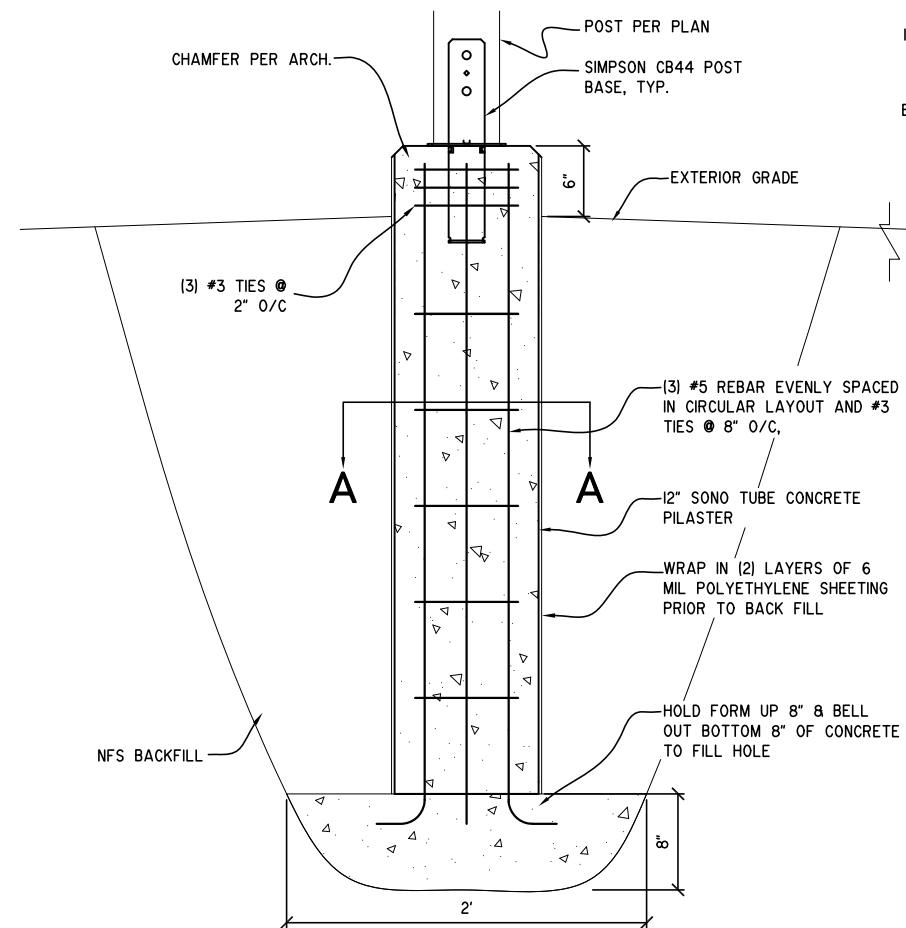
606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 • Fax (907) 283-0450
klauder@alaska.net

DESIGN BY: PK	
DRAWN: MJD	CHECKED: WJN
JOB NO:	1549
DATE:	08-14-15
REVISIONS:	

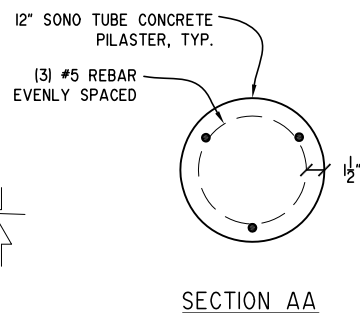
CATEGORY:	SHEET:
S	3.1
SHEET CONTENTS: BUILDING SECTIONS	



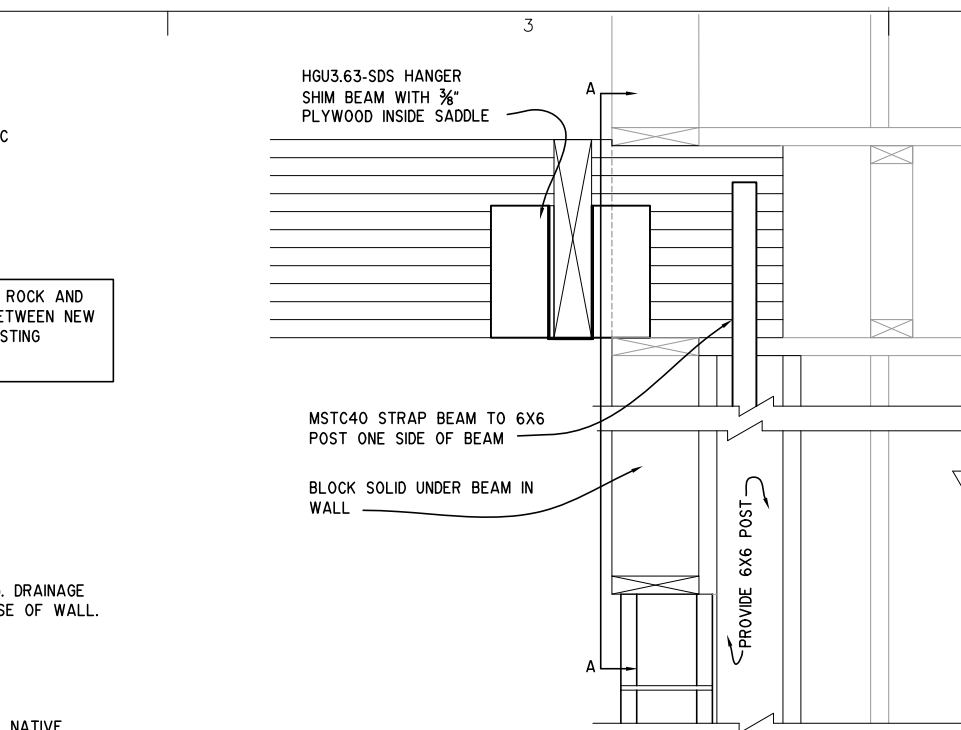
A EXT. MONOLITHIC WALL FOOTING
SCALE: 1 1/2"=1'-0" (22X34) 3/4"=1'-0" (11X17)



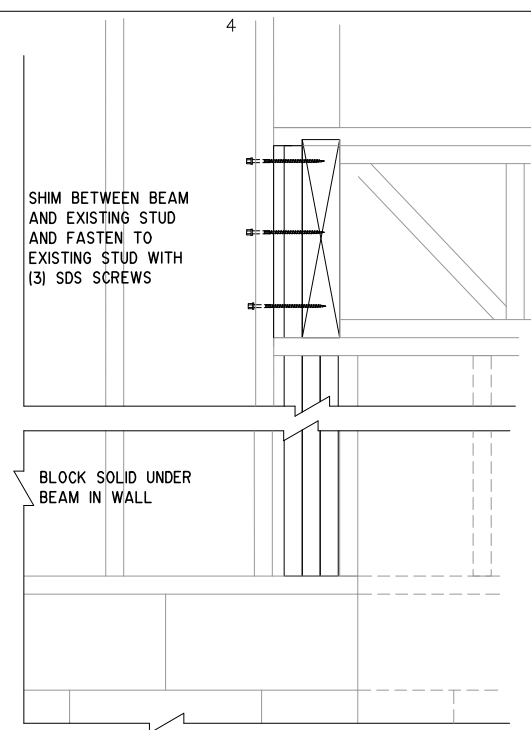
B TYPICAL EXTERIOR PILASTER
SCALE: 1 1/2"=1'-0" (22X34) 3/4"=1'-0" (11X17)



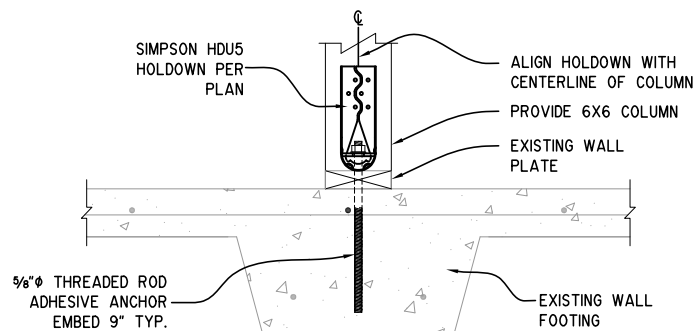
SECTION AA



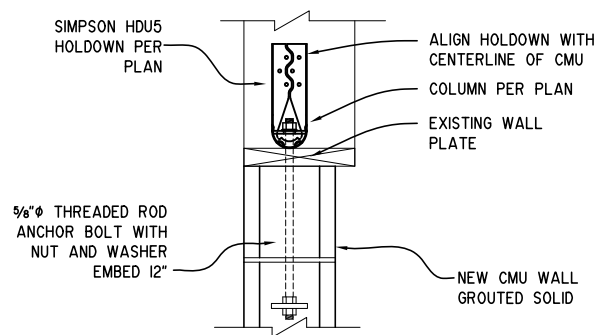
C BEAM BEARING IN EXT. CONST.
SCALE: 1 1/2"=1'-0" (22X34) 3/4"=1'-0" (11X17)



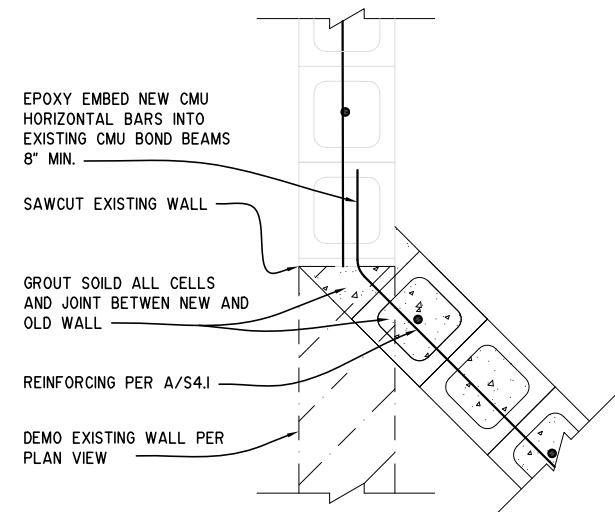
SECTION BB



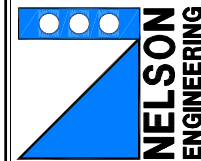
D HOLDOWN AT EXISTING FOOTING
SCALE: 1 1/2"=1'-0" (22X34) 3/4"=1'-0" (11X17)



E HOLDOWN AT NEW CMU
SCALE: 1 1/2"=1'-0" (22X34) 3/4"=1'-0" (11X17)



F CONNECTION TO EXISTING CMU
SCALE: 1 1/2"=1'-0" (22X34) 3/4"=1'-0" (11X17)



KENAI RECREATION CENTER

HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

PROJECT:

CLIENT:

KLAUDER & COMPANY
ARCHITECTS, INC.

606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.net

DESIGN BY:

PK

DRAWN:

MJD

CHECKED:

WJN

JOB NO:

1549

DATE:

08-14-15

REVISIONS:

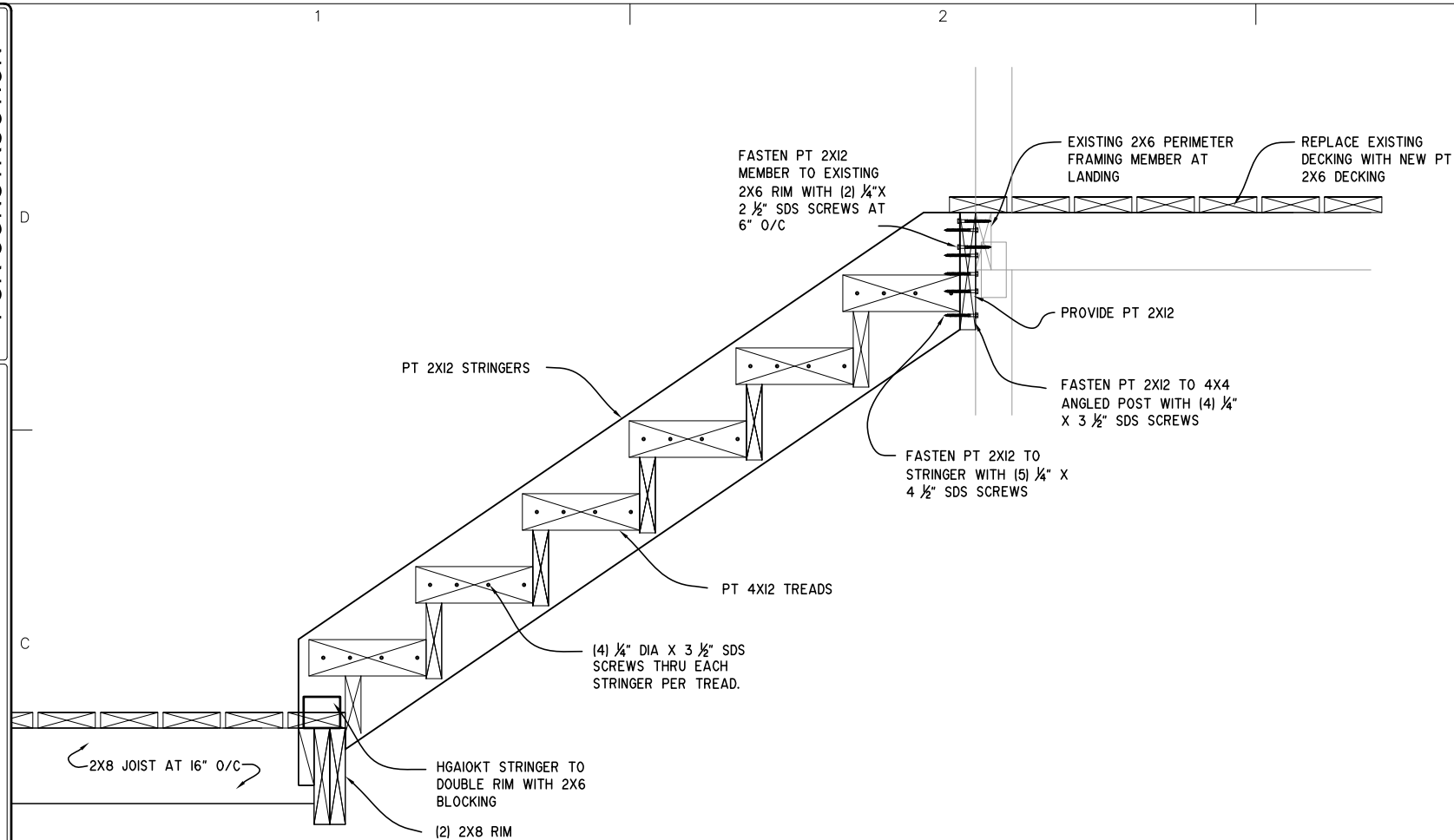
CATEGORY:

SHEET:

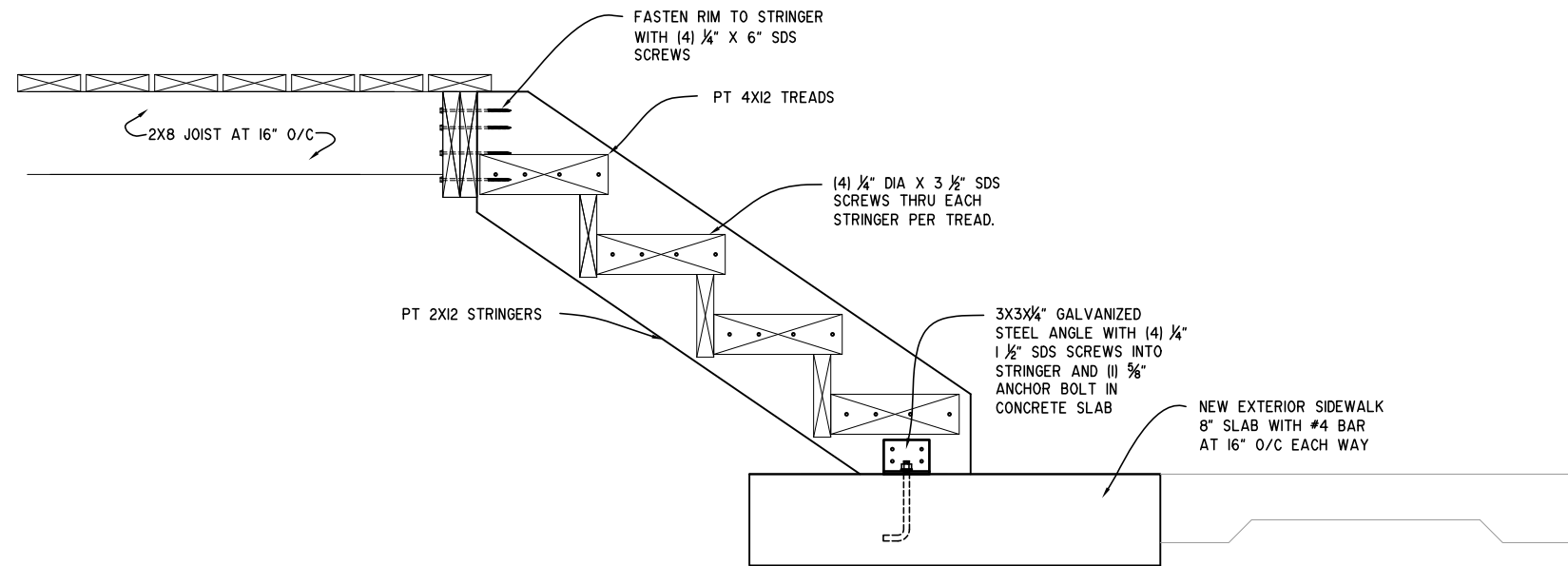
S 4.1

SHEET CONTENTS:
DETAILS

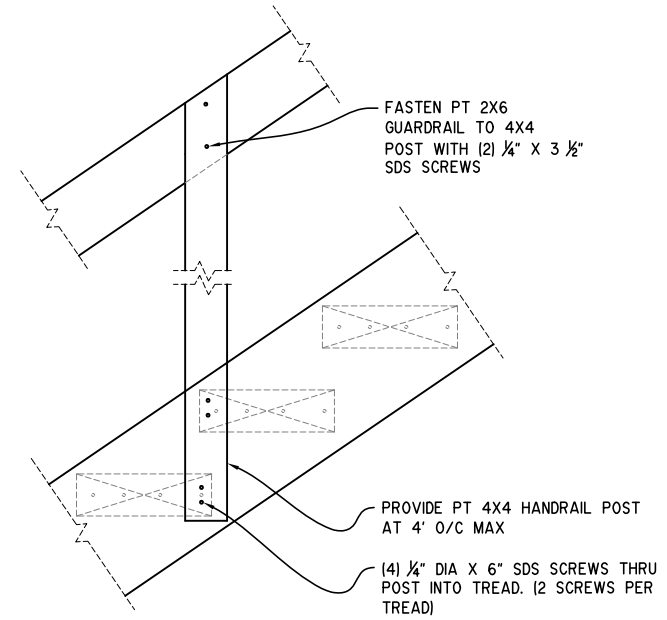
4 OF 5



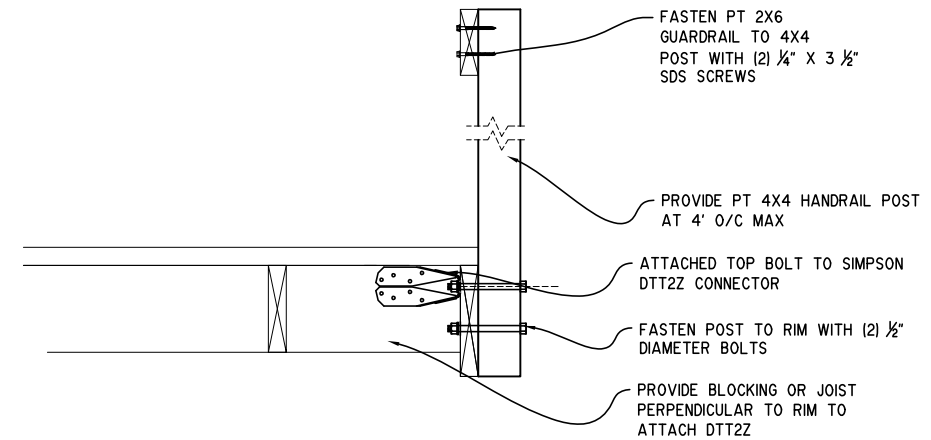
A UPPER STAIR DETAIL
852 SCALE: 1 1/2"=1'-0"(22X34) 3/4"=1'-0"(11X17)



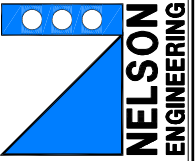
B LOWER STAIR DETAIL
852 SCALE: 1 1/2"=1'-0"(22X34) 3/4"=1'-0"(11X17)



C TYP. STAIR POST DETAIL
842 SCALE: 1 1/2"=1'-0"(22X34) 3/4"=1'-0"(11X17)



D TYP. LANDING POST DETAIL
842 SCALE: 1 1/2"=1'-0"(22X34) 3/4"=1'-0"(11X17)



KENAI RECREATION CENTER

HALLWAY ADDITION

CITY OF KENAI
210 FIDALGO AVENUE
KENAI, AK 99611

PROJECT:

CLIENT:

KLAUDER & COMPANY
ARCHITECTS, INC.606 Petersen Way
Kenai, Alaska 99611
Tel (907) 283-1919 : Fax (907) 283-0450
klauder@alaska.netDESIGN BY:
PK

DRAWN:

MJD

CHECKED:

WJN

JOB NO:

1549

DATE:

08-14-15

REVISIONS:

CATEGORY:

SHEET:

S

4.2

SHEET CONTENTS:

DETAILS

.

.