

# DAWSON COUNTY SENIOR CENTER

# 201 RECREATION RD DAWSONVILLE, GA 30534

# 100% CONSTRUCTION DOCUMENTS

1 🗸		ELEVATION MADIC	252525250 25252525550	
A-3	.1)	ELEVATION MARK	ત્રી હતી પહું કે ત્રી કે ત્રી જે કે જે જે જે ત્રી કે ત્રી કે જે જે જે જે જે જે જો જ એ જ એક્ટ્રેન્ડિંગ્સ જો હ	SHEATHING
		SECTION MARK 'SIM' - SIMILAR 'OH' - OPPOSITE HAND		PLASTER, GYPSUM WALLBOARD
				RIGID INSULATION
	1 A101	ENLARGED PLAN / DETAIL MARK		BATT INSULATION
00	1	DOOR REFERENCE NUMBER SEE SHEET A8.1		EARTH
OFFI C12		ROOM NAME & NUMBER		GRANULAR
PI	<del></del>	FLOOR FINISH	4 4 4	CONCRETE
A		COLUMN AND GRID NUMBER		BRICK
	$\overline{}$	WINDOW REFERENCE		BRICK
\	_/	NUMBER SEE SHEET A8.1		STEEL, IRON
		SOLID GROUT		WOOD
		WOOD DIMENSIONAL		MORTAR NET
@ ACT	AT ACOU	STICAL TILE	HT I.B.C.	HEIGHT INSTALLED BY CONTRACTO
ACT A.F.F. ALUM.	ACOU ABOV	E FINISHED FLOOR	I.B.C. JT. L.L.	INSTALLED BY CONTRACTO JOINT LANDLORD
ACT A.F.F. ALUM. B/	ACOU ABOVI ALUMI BOTTO	E FINISHED FLOOR NUM OM OF	I.B.C. JT. L.L. MAT.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL
ACT A.F.F. ALUM. B/ BD.	ACOU ABOV ALUMI BOTTO BOAR	E FINISHED FLOOR  NUM  OM OF  D	I.B.C. JT. L.L. MAT. MAX.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM
ACT A.F.F. ALUM. B/	ACOU ABOVI ALUMI BOTTO	E FINISHED FLOOR NUM OM OF D ING	I.B.C. JT. L.L. MAT.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI	E FINISHED FLOOR  NUM  OM OF  D  ING  ING	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF	ACOU ABOVI ALUMI BOTTI BOAR BUILD BRICK BEARI COLD	E FINISHED FLOOR  NUM  OM OF  D  ING  NG  FORMED METAL FRAMING	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG	ACOU ABOVI ALUMI BOTTI BOAR BUILD BRICK BEARI COLD	E FINISHED FLOOR  NUM OM OF  D  ING  NG FORMED METAL FRAMING ER LINE	I.B.C. JT. L.L. MAT. MAX. MECH. MIN. MTL. NC.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI	E FINISHED FLOOR  NUM OM OF  D  ING  NG FORMED METAL FRAMING ER LINE	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONT	E FINISHED FLOOR NUM OM OF D ING NG FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONT CONC	FINISHED FLOOR  NUM  OM OF  D  ING  ING  FORMED METAL FRAMING  ER LINE  R  ROL JOINT  RETE MASONRY UNIT  DINATE	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONT	E FINISHED FLOOR  NUM OM OF  D ING  FORMED METAL FRAMING  ER LINE  R ROL JOINT  RETE MASONRY UNIT  DINATE MN	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC COOR COLUI CONC	E FINISHED FLOOR  NUM OM OF D ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE WN RETE	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC CONC CONC CON	E FINISHED FLOOR  NUM OM OF D ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC CONC CONC CON	E FINISHED FLOOR  NUM OM OF D ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. COORD. COORD. COUL CONC. CONT. ~ DWG. D.S. EA.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC DIAME DRAW DOWN EACH	E FINISHED FLOOR  NUM OM OF D ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE INUOUS ETER ING I SPOUT	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC. CONT. ~ DWG. D.S. EA. ELEV.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC DIAME DRAW DOWN EACH	E FINISHED FLOOR NUM OM OF D ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE INUOUS ETER ING I SPOUT	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. CONC. CONC. CONC. CONT.  DWG. D.S. EA. ELEV. ELEC.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC CONC CONC CON	E FINISHED FLOOR NUM OM OF D ING ING S ROBERT SET SET SET SET SET SET SET SET SET SE	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. COL CONC. CONT. ~ DWG. D.S. EA. ELEV.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC CONC CONC CON	E FINISHED FLOOR  NUM OM OF D ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE INUOUS ETER ING I SPOUT ATION FRIC	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STRUCT.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. CONC. CONC. CONT.  DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC CONC CONC CON	E FINISHED FLOOR NUM OM OF D ING ING S ROBERT SET SET SET SET SET SET SET SET SET SE	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STL.  STRUCT.  T/	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. CONC. CONC. CONT.  DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC CONC CONC EQUIF EXPAI EXTEF	E FINISHED FLOOR NUM OM OF D ING ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE INUOUS ETER ING I SPOUT ATION FRIC PMENT SUPPLIER NSION RIOR FRIC WATER COOLER	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STL.  STRUCT.  T/  T&G	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. CONC. CONC. CONT.  DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC CONT DIAME DRAW DOWN EACH ELECT EQUIF EXPAI EXTEF	E FINISHED FLOOR NUM OM OF D ING ING S ROBERT SET SET SET SET SET SET SET SET SET SE	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STL.  STRUCT.  T/	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. COORD. COORD. CONT. ~ DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONT DIAME DRAW DOWN EACH ELECT EQUIF EXPAI EXTEF ELECT FLOOI FIRE E	E FINISHED FLOOR NUM OM OF D ING	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STL.  STRUCT.  T/  T&G  TYP.  UNO  VERT.	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. ~  DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONT DIAME DRAW DOWN EACH ELECT EQUIF EXPAI EXTEF ELECT FLOOI FIRE E	E FINISHED FLOOR NUM OM OF D ING ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE INUOUS ETER ING I SPOUT ATION TRIC PMENT SUPPLIER NSION RIOR FRIC WATER COOLER R DRAIN EXTINGUISHER CABINET H FLOOR R	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STL.  STRUCT.  T/  T&G  TYP.  UNO  VERT.  VWC	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. ~  DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL. F.O.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONT CONC CONC CONT DIAME DRAW DOWN EACH ELEVA ELECT EQUIF EXPAI EXTEF ELECT FLOOI FIRE E FINISH	E FINISHED FLOOR NUM OM OF D ING ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE INUOUS ETER FING I SPOUT ATION FRIC PMENT SUPPLIER NSION RIOR FRIC WATER COOLER R DRAIN EXTINGUISHER CABINET H FLOOR R COF	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STL.  STRUCT.  T/  T&G  TYP.  UNO  VERT.  VWC  W	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING WIDE
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. C.M.U. COORD. CONC. CONT. ~  DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONT CONC CONT DIAME DRAW DOWN EACH ELEVA ELECT EQUIF EXPAN EXTEF ELECT FLOOI FIRE E FINISH FACE FACE	E FINISHED FLOOR NUM OM OF D ING ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE INUOUS ETER ING I SPOUT ATION TRIC PMENT SUPPLIER NSION RIOR FRIC WATER COOLER R DRAIN EXTINGUISHER CABINET H FLOOR R	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STL.  STRUCT.  T/  T&G  TYP.  UNO  VERT.  VWC	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING
ACT A.F.F. ALUM. B/ BD. BLDG. BR BRG CFMF C.L. CLR C.J. CONC. CONC. CONT.  DWG. D.S. EA. ELEV. ELEC. E.S. EXP. EXT. E.W.C. F.D. FEC F.F. FL. F.O. F.O.F.	ACOU ABOVI ALUMI BOTTO BOAR BUILD BRICK BEARI COLD CENTI CLEAF CONC CONC CONC CONC CONC CONT DIAME DRAW DOWN EACH ELECT EQUIF EXPAI EXTEF ELECT FLOOI FIRE E FINISH FACE FACE FACE FURNI	E FINISHED FLOOR NUM OM OF D ING ING FORMED METAL FRAMING ER LINE R ROL JOINT RETE MASONRY UNIT DINATE MN RETE INUOUS ETER ING I SPOUT ATION TRIC PMENT SUPPLIER NSION RIOR TRIC WATER COOLER R DRAIN EXTINGUISHER CABINET H FLOOR R OF OF FINISH OF MASONRY SHED BY OWNER INSTALLED	I.B.C.  JT.  L.L.  MAT.  MAX.  MECH.  MIN.  MTL.  NC.  N.I.C.  N.T.E.  N.T.S.  O.D.  OPP.  PL.  PLYWD.  PR.  P.T.  O.C.  R.D.  S.B.O.  SCHED.  SIM.  STL.  STRUCT.  T/  T&G  TYP.  UNO  VERT.  VWC  W	INSTALLED BY CONTRACTO JOINT LANDLORD MATERIAL MAXIMUM MECHANICAL MINIMUM METAL NON-COMBUSTIBLE NOT IN CONTRACT NOT TO EXCEED NOT TO SCALE OVERFLOW DRAIN OPPOSITE PLASTIC LAMINATE PLYWOOD PAIR PRESSURE TREATED ON CENTER ROOF DRAIN SUPPLIED BY OWNER SCHEDULE SIMILAR STEEL STRUCTURAL TOP OF TONGUE AND GROOVE TYPICAL UNLESS NOTED OTHERWISE VERTICAL VINYL WALL COVERING WIDE
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**SYMBOLS** 

	SHEET LIST				
SHEET NUMI	BER Sheet Name	2018-06-06 DD 100%	2018-06-18 CD'S PROGRESS PRINT - 90%	2019-02-04 BID SET	2019-03-08 GRANT REVIEW DOCUMENTS
04 05115					
<b>01 GENE</b> F G0-01	COVER SHEET	Х	Х	Х	X
G0-01 G0-02	ADAAG REGULATORY SIGNAGE & TYPICAL MOUNTING HEIGHTS		X	X	X
G0-03	EXTERIOR SIGNAGE DETAILS			X	X
G0-04	SIGNAGE PLAN			X	X
G0-0 <del>4</del> G0-05	HANDICAPPED ACCESSIBILITY DIAGRAMS		X	X	X
G1-00	LIFE SAFETY PLAN		X	X	X
G-2	CONSTRUCTION RESPONSIBILITY PLAN			X	X
03 STRUC					
03 STRUC S0-01	GENERAL NOTES	X	Х	Х	X
S0-01 S0-02	COMPONENTS AND CLADDING		_ ^ _ X	X	X
S1-00	SITE RETAINING WALL PLAN	X	X	X	X
S1-10	FOUNDATION PLAN	X	X	X	X
S1-11	ENLARGED MECH PLATFORM FRAMING PLAN	X	X	X	X
S1-70	ROOF FRAMING PLAN	X	X	X	X
S3-01	FOUNDATION DETAILS	X	X	X	X
S3-02	FOUNDATION DETAILS	X	X	X	X
S5-01	STEEL FRAMING DETAILS	X	X	X	X
S6-01	WOOD FRAMING DETAILS	X	X	X	X
S6-02	WOOD FRAMING DETAILS			X	X
S6-03	ROOF TRUSS PROFILES	X	X	X	X
S6-04	ROOF TRUSS PROFILES			X	X
	TECTURAL				
41-10	REFERENCE FLOOR PLAN	X	Х	Х	X
A1-11	DIMENSIONED FLOOR PLAN		X	X	X
A1-12	DIMENSIONED PLAN - EXTERIOR ELEMENTS		,	X	X
\1-20	ENLARGED PLANS	X	X	X	X
A1-21	ENLARGED RESTROOM PLANS & ELEVATIONS		X	X	X
A1-22	ENLARGED RESTROOM PLANS & ELEVATIONS		X	X	X
A1-23	ENLARGED PORCH PLANS & DETAILS			X	X
A1-24	ENLARGED PORCH PLANS & DETAILS			X	X
A1-31	REFLECTED CEILING PLAN	X	X	X	X
41-70	ROOF PLAN	X	X	X	X
42-00	EXTERIOR ELEVATIONS	X	X	X	X
43-00	BUILDING SECTIONS	X	X	X	X
A3-10	WALL SECTIONS	X	X	X	X
A3-11	WALL SECTIONS		X	X	X
A6-10	DETAILS		Х	Х	X
A6-11	DETAILS			Х	X
A6-20	PARTITION TYPES & PENETRATION DETAILS		Х	Х	X
<b>47-00</b>	DOOR SCHEDULE & ELEVATIONS	X	Х	Х	X
47-01	DOOR DETAILS		Х	Х	X
<b>47-10</b>	WINDOW SCHEDULE & ELEVATIONS	X	Х	Х	X
A7-11	WINDOW DETAILS		Х	Х	X
05 INTERI	ORS		<u> </u>	1	
-001	FINISH & MILLWORK KEY NOTES & LEGENDS	X	Х	Х	Х
-100	FINISH MILLWORK PLAN	X	Х	Х	X
-200	FF&E PLAN - LEVEL ONE	X	Х	Х	X
-400	FINISH FLOOR PATTERN PLAN	X	Х	Х	X
-500	FINISH MILLWORK ELEVATIONS	X	Х	Х	X
-501	FINISH MILLWORK ELEVATIONS	X	X	Х	X

	SHEET LIST				
			%06		SE
SHEET NUMBI	ER Sheet Name	2018-06-06 DD 100%	2018-06-18 CD'S PROGRESS PRINT - 9	2019-02-04 BID SET	2019-03-08 GRANT REVIEW DOCUMENTS
I-502	FINISH MILLWORK ELEVATIONS		Х	Х	V
I-700	FINISH SECTIONS AND DETAILS	X	X	X	X
I-701	FINISH SECTIONS AND DETAILS	X	X	X	X
I-702	FINISH SECTIONS AND DETAILS		X	X	X
I-703	FINISH SECTIONS AND DETAILS	X	X	X	X
06 MECHA					^
M-001	MECHANICAL - GENERAL NOTES, LEGENDS & ABBREVIATION	X	Х	Х	Х
M-100	MECHANICAL - LEVEL 1 FLOOR PLAN - DUCTWORK	X	X	X	X
M-102	MECHANICAL - ROOF PLAN - DUCTWORK	X	X	X	X
M-300	MECHANICAL - SECTIONS		- `	X	X
M-400	MECHANICAL - ENLARGED AND PART PLANS	X	Х	X	X
M-500	MECHANICAL - DETAILS	X	X	X	X
M-501	MECHANICAL - DETAILS	X	X	X	X
M-502	MECHANICAL - DETAILS	X	X	X	X
M-600	MECHANICAL - SCHEDULES	X	Х	X	X
M-601	MECHANICAL - SCHEDULES			X	X
M-602	MECHANICAL - KITCHEN EQUIPMENT CONTROLS			X	X
M-603	MECHANICAL - KITCHEN EQUIPMENT SCHEDULES			X	X
M-604	MECHANICAL - KITCHEN EQUIPMENT SCHEDULES			X	X
M-700	MECHANICAL - SCHEMATICS			Х	X
M-900	MECHANICAL - FOR REFERENCE ONLY	X	Х	Х	X
07 PLUMBI	NG				
P-001	PLUMBING - GENERAL NOTES & LEGENDS	X	Х	Х	Х
P-100	PLUMBING - LEVEL 1 FLOOR PLAN - DOMESTIC PLAN	X	Х	Х	Х
P-120	PLUMBING - LEVEL 1 FLOOR PLAN - SANITARY PLAN	X	Х	Х	Х
P-130	PLUMBING - LEVEL 1 FLOOR PLAN - STORM WATER & GAS			Х	Х
P-400	PLUMBING - ENLARGED PART PLANS			Х	Х
P-401	PLUMBING - ENLARGED PART PLANS			Х	Х
P-500	PLUMBING - DETAILS	X	Х	Х	Х
P-501	PLUMBING - DETAILS	Х	Х	Х	Х
P-600	PLUMBING - SCHEDULES	X	Х	Х	Х
P-700	PLUMBING - DOMESTIC RISER DIAGRAM	X	Х	Х	Х
P-720	PLUMBING - SANITARY RISER DIAGRAM	Х	Х	Х	Х
08 ELECTF	RICAL				
E-001	ELECTRICAL - GENERAL NOTES & ABBREVIATIONS	X	Х	Х	X
E-002	SYMBOLS LEGEND	X	Х	Х	Х
E-100	POWER - LEVEL 1 FLOOR PLAN	X	Х	Х	Х
E-101	ELECTRICAL - ATTIC PLAN	X	Х	Х	Х
E-102	POWER - SITE PLAN	X	Х	X	Х
E-103	PARKING LOT LIGHTING			X	Х
E-110	LIGHTING - LEVEL 1 FLOOR PLAN	X	Х	Х	X
E-120	SYSTEMS - LEVEL 1 FLOOR PLAN	X	Х	Х	X
E-130	FIRE ALARM - LEVEL 1 FLOOR PLAN	X	Х	Х	X
E-201	ELECTRICAL - RISER DIAGRAM	X	Х	Х	X
E-300	ELECTRICAL - ENLARGED AND PART PLANS	X	Х	Х	X
E-400	ELECTRICAL - DETAILS	X	Х	Х	X
E-401	ELECTRICAL - DETAILS	X	Х	Х	X
E-402	ELECTRICAL - DETAILS	X	Х	Х	X
E-500	ELECTRICAL - SCHEDULES	X	X	X	X
E-501	ELECTRICAL - SCHEDULES	X	X	X	X

### PROJECT TEAM

#### OWNER:

#### DAWSON COUNTY BOARD OF COMMISSIONERS

25 JUSTICE WAY, SUITE 2223 PHONE: 706.344.3500 ext. 42227

DAWSONVILLE, GA 30534 CONTACT: DAVID MCKEE

EMAIL: DMcKee@dawsoncounty.org

#### CIVIL ENGINEER: FORESITE GROUP, INC.

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SUITE 100 CONTACT: JACK JOHNSON
PEACHTREE CORNERS, GA 30092 EMAIL: jjohnson@fg-inc.net

#### ARCHITECT

#### **WAKEFIELD BEASLEY & ASSOCIATES, INC.**

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ALPHARETTA, GEORGIA 30009 CONTACT: CHRISTIAN SPRINGFIELD
EMAIL: cspringfield@wbassociates.com

## STRUCTURAL ENGINEER: SHEAR STRUCTURAL

931 MONROE DRIVE PHONE: 404.735.3712
SUITE A102-491 CONTACT: KAREN JENKINS
ATLANTA, GA 30308 EMAIL: kjenkins@shearstructural.com

## MECH./ ELECT./ PLUMB./ FP ENGINEER: SL KING & ASSOCIATES, INC.

270 PEACHTREE STREET, NW PHONE: 404.524.5800
SUITE 1600 CONTACT: GEORGE LANDIS
ATLANTA, GA 30303 EMAIL: glandis@slking.com

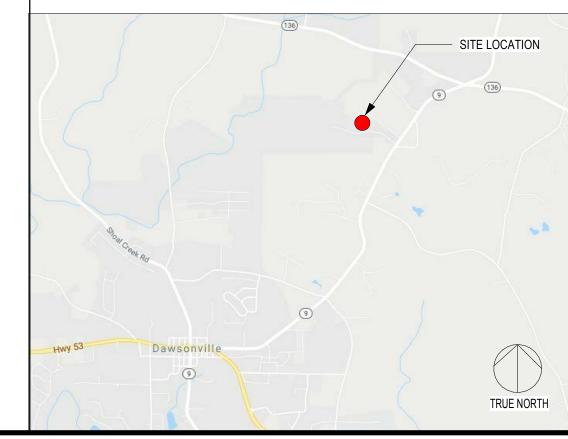
## INTERIOR DESIGNER: WB INTERIORS, INC.

5200 AVALON BOULEVARD PHONE: 678.533.1046
ALPHARETTA, GA 30009 CONTACT: SUSAN ISBILL
EMAIL: sisbill@wbinteriorsinc.com

### **GENERAL NOTES**

- 1 DO NOT SCALE DRAWINGS USE DIMENSIONS ONLY. FOR DIMENSIONS NOT SHOWN OR IN QUESTION, CONTRACTOR SHALL REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING.
- 2 UNLESS OTHERWISE NOTED, INTERIOR PARTITION DIMENSIONS ARE GIVEN FROM FACE OF METAL STUD FRAMING/CMU TO FACE OF METAL STUD FRAMING/CMU, OR FROM FACE OF METAL STUD FRAMING/CMU TO COLUMN CENTERLINE. EXCEPTION: MILLWORK DETAILS WHERE DIMENSIONS ARE FROM FACE OF FINISH SURFACES (GWB, PLASTER, ETC.).
- 3 ELEVATIONS AND LEVELS ARE SHOWN FROM FINISH FLOOR ELEVATION (F.F.E. 0'-0" = 993.30') TARGET ELEVATIONS ARE BASED ON A "REFERENCE BENCHMARK ELEVATION" -COORDINATE ELEVATION OF FINISHED FLOOR HEIGHT WITH CIVIL AND STRUCTURAL DRAWINGS.
- 4 ELECTRIC PANELS, ALARM BOXES, FIRE EQUIPMENT CABINETS AND OTHER RECESSED BOXES GREATER THAN 16 SQUARE INCHES THAT ARE LOCATED IN RATED WALLS SHALL BE BACKED BY GYPSUM WALLBOARD LAYERS SUFFICIENT TO MAINTAIN THE DESIGNATED RATING. FEC'S MAY BE PROIDED WITH A RATED CABINET TO MATCH THE DESIGNATED RATING.
- 5 ATTIC ACCESS FROM AN ADJACENT SPACE SHALL BE PROVIDED WHERE THE BELOW ITEMS OCCUR OVER GWB CEILINGS:
  A. VALVES
- B. FLOW MEASURING DEVICES
- C. MIXING BOXES
- D. POWER OPERATED DAMPERS
  E. ACCESS PANELS IN DUCTWORK
- F. VOLUME AND BALANCING DEVICES
- G. WATER FLOW SWITCHES
  H. SPRINKLER SYSTEM DRAINS AND TEST CONNECTIONS
- I. PRESSURE SWITCHES
   PATCH AND REPAIR ALL ITEMS DAMAGED OR ALTERED DURING CONSTRUCTION. ALL PATCHES SHALL BLEND WITH ADJACENT MATERIAL, COLOR, FINISH, AND TEXTURE. ALL EXISTING WORK FURNISHINGS,
- EQUIPMENT OR MATERIAL TO REMAIN THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

## **LOCATION MAP**





DESIGNING ARCHITECT

A **NELSON** Company

ARCHITECT OF RECORD

Nelso Avelite at the Land

a licensed affiliate of Nelson Worldwide, LLC.



## DAWSON COUNTY SENIOR CENTER

201 RECREATION RD DAWSONVILLE, GA 30534

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#### Print Record

2018-06-01 DESIGN DEVELOPMENT 100%
2018-06-18 CD PROGRESS PRINT 90%
2019-02-19 CONSTRUCTION DOCUMENTS 100%
2019-03-08 GRANT REVIEW DOCUMENTS

Revisions	

Ο.	Date	Boodiption

RELEASED FOR CONSTRUCTION

ATE February 04, 2019

PROJECT NUMBER 1816000.000

SHEET TITLE

**COVER SHEET** 

SHEET NUMBER

SIGNAGE:

1. ALL SIGNAGE SHALL MEET THE REQUIREMENTS OF THE 2010 FEDERAL HANDICAPPED ACCESSIBILITY GUIDELINES.

2. PROVIDE ALL CODE REQUIRED SIGNAGE AT THE FOLLOWING LOCATIONS: ALL TOILETS AND RESTROOMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, EQUIPMENT ROOMS.

3. REFER TO G0-04 FOR SIGNAGE LOCATIONS.

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32"MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE II BRAILLE.

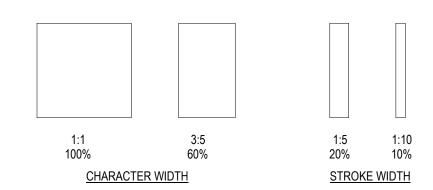
2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8"(15.9mm) AND A MAXIMUM OF

3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH.

4. PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5
AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.

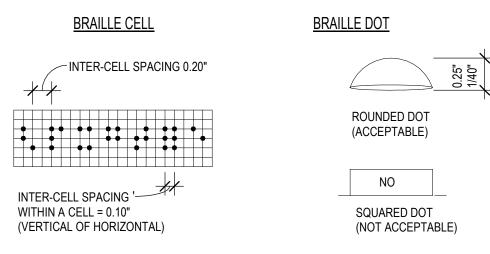
ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTERS I, X AND O AT 1 INCH HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE X OR O, WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT SMALLER THAN 1 INCH, NOR NARROWER THAN THE 3:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE I IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS



5. BRAILLE: GRADE II BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10"(2.54mm) ON CENTERS IN EACH CELL WITH .241"(5.08mm) SPACE BETWEEN CELLS, MEASURED M CELL. DOTS SHALL BE RAISED A MINIMUM OF

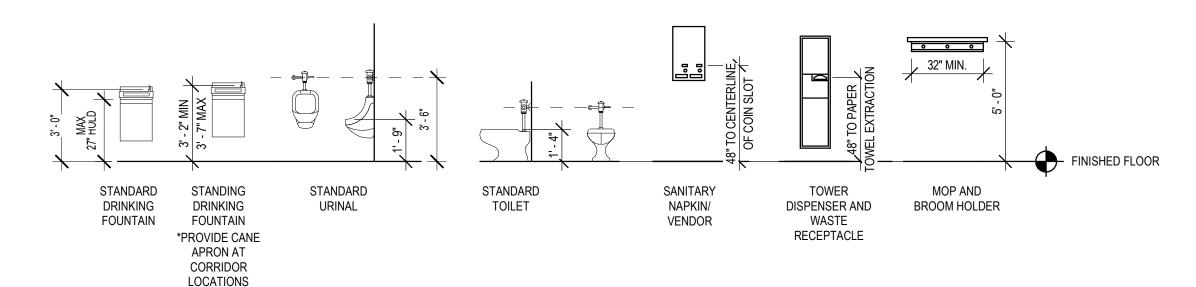
OF
1/4" (0.635mm) ABOVE THE BACKGROUND.

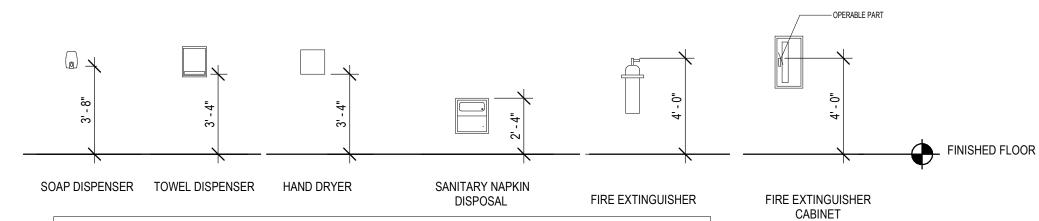


RECOMMENDED ROUNDED OR DOMED BRAILLED DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

REF: ADA 4.30 ANSI 703.4

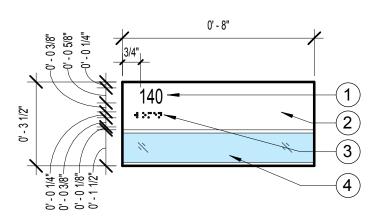
# 9 BRAILLE REQUIREMENTS





NOTE: TOILET ACCESSORIES ARE SHOWN FOR MOUNTING HEIGHTS ONLY AND DO NOT REPRESENT ACTUAL FIXTURES SPECIFIED. SEE PLUMBING DRAWINGS AND ENLARGED TOILET PLANS, ELEVATIONS & TOILET ACCESSORY SCHEDULES FOR DETAILS. SEE SHEET G-003 FOR REQUIRED HANDICAPPED HEIGHTS AND CLEARANCES.

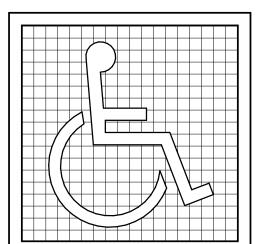
# 8 STANDARD FIXTURE MOUNTING HEIGHTS



- 1 ROOM NUMBER. COLOR TO CONTRAST w/ DOOR FINISH
- 2 SYMBOL BACKGROUND 1/4"THICK MATTE ACRYLIC BACK PAINTED COLOR TO CONTRAST W/ DOOR FINISH
- 3 CORRESPONDING GRADE II BRAILLE

NOTE: ATTACH SIGNAGE W/ VHB FOAM TAPE AND SILICONE ADHESIVE.





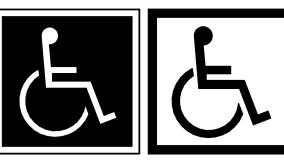
NOTE:

SYMBOL SIZE SHALL BE AS SCHEDULED IN SIGN LAYOUT DIAGRAMS.
STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10.

SIGN LETTERS/ NUMBERS WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10.

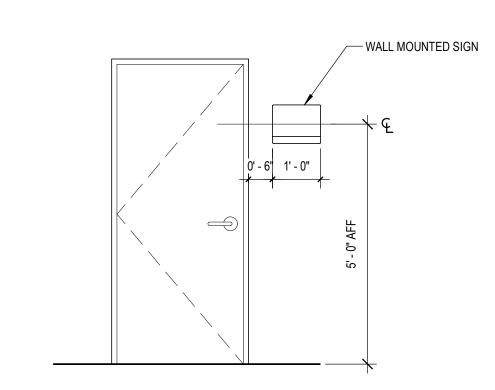
REF: ADA 4.30, FIG. 30, ANSI 703.6

A. SYMBOL PROPORTIONS

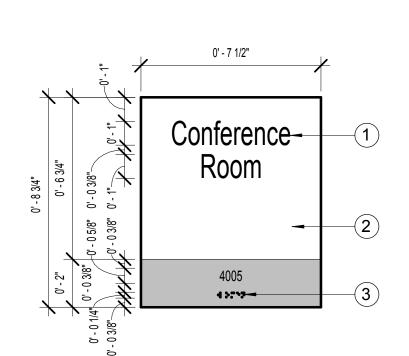


**B. DISPLAY CONDITIONS** 

# INTERNATIONAL ACCESSIBILITY SYMBOL



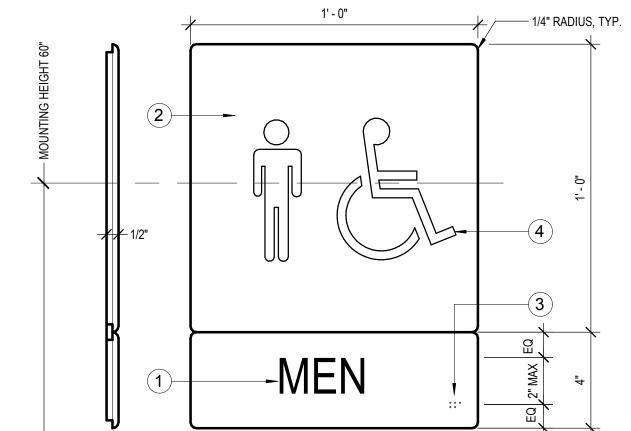
# 5 SIGN MOUNTING DIAGRAM



- (1) ROOM IDENTIFICATION SYMBOL. COLOR TO CONTRAST w/ DOOR FINISH
- 2 SYMBOL BACKGROUND 1/4"THICK MATTE ACRYLIC BACK PAINTED COLOR TO CONTRAST w/ DOOR FINISH
- 3 CORRESPONDING GRADE II BRAILLE

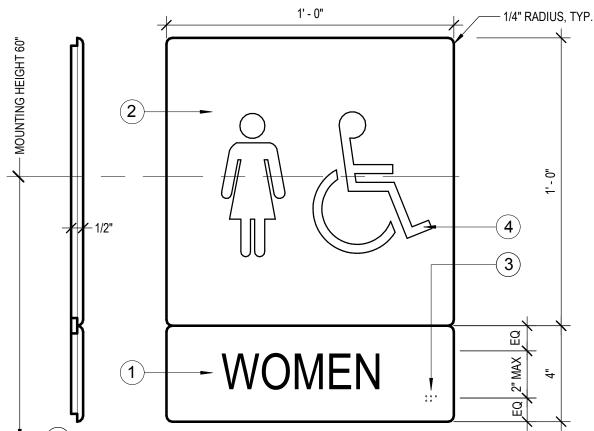
NOTE: ATTACH SIGNAGE W/ VHB FOAM TAPE AND SILICONE ADHESIVE.





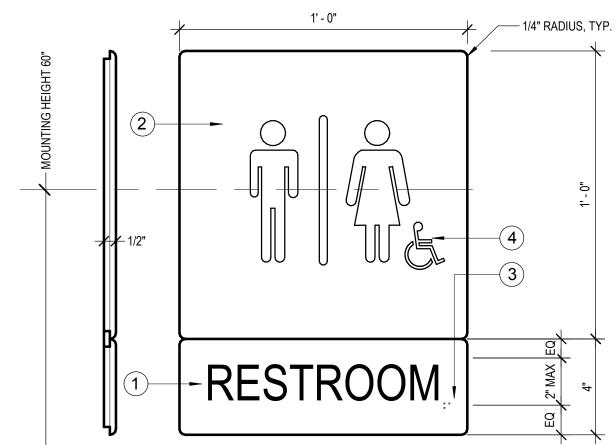
- (1) RESTROOM IDENTIFICATION SYMBOL. COLOR TO CONTRAST w/ DOOR FINISH
- (2) SYMBOL BACKGROUND 1/4" THICK MATTE ACRYLIC BACK PAINTED COLOR TO CONTRAST w/ DOOR FINISH
- (3) CORRESPONDING GRADE II BRAILLE
- (4) SYMBOL OF ACCESSIBILITY



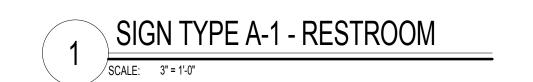


- 1 RESTROOM IDENTIFICATION SYMBOL. COLOR TO CONTRAST w/ DOOR FINISH
- 2 SYMBOL BACKGROUND 1/4"THICK MATTE ACRYLIC BACK PAINTED COLOR TO CONTRAST w/ DOOR FINISH
- 3 CORRESPONDING GRADE II BRAILLE
- (4) SYMBOL OF ACCESSIBILITY

# 2 SIGN TYPE A-2 - RESTROOM SCALE: 3" = 1'-0"



- RESTROOM IDENTIFICATION SYMBOL. COLOR TO CONTRAST w/ DOOR FINISH
- 2 SYMBOL BACKGROUND 1/4"THICK MATTE ACRYLIC BACK PAINTED COLOR TO CONTRAST w/ DOOR FINISH
- 3 CORRESPONDING GRADE II BRAILLE
- (4) SYMBOL OF ACCESSIBILITY



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PROJECT NUMBER 1816000.000

ADAAG REGULATORY
SIGNAGE & TYPICAL
MOUNTING HEIGHTS

SHEET NUMBER

SECURE SIGN TO WOOD COLUMN POSTS BOTH SIDES 13' - 3 1/4" DIE CUT ALUMINUM LETTERS; FONT TYPE: FRANKLIN GOTHIC MEDIUM CONDENSED 14' - 8 1/8" SIGN TYPE E - EXTERIOR DIE CUT ALUMINUM LETTERS; FONT TYPE: FRANKLIN GOTHIC MEDIUM CONDENSED SIGN TYPE D - EXTERIOR REFER TO G0-04 FOR SIGNAGE LOCATIONS.
 REFER TO SPECIFICATIONS FOR ADDITIONAL SIGNAGE INFORMATION.

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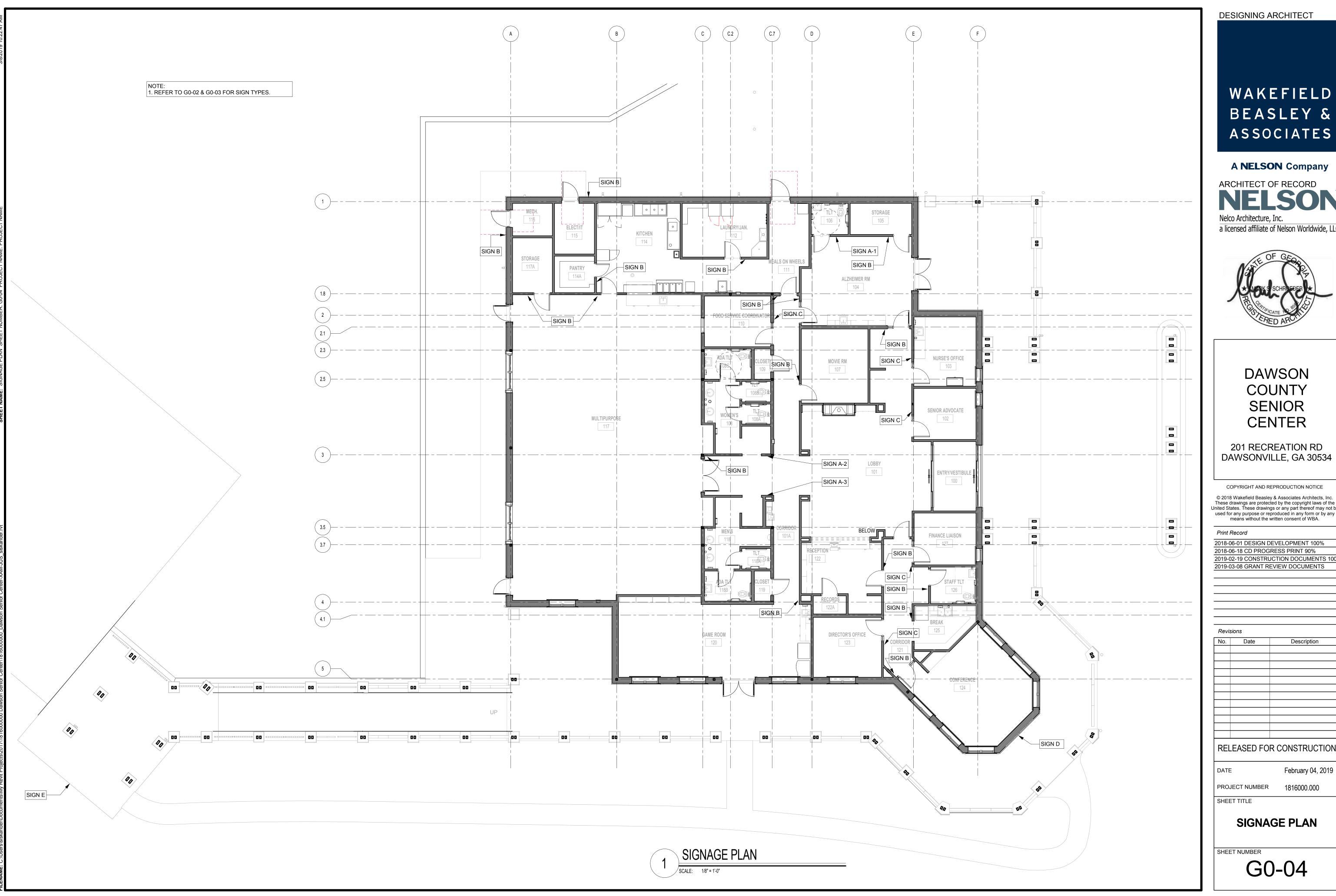
PROJECT NUMBER

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SHEET TITLE

**EXTERIOR SIGNAGE DETAILS** 

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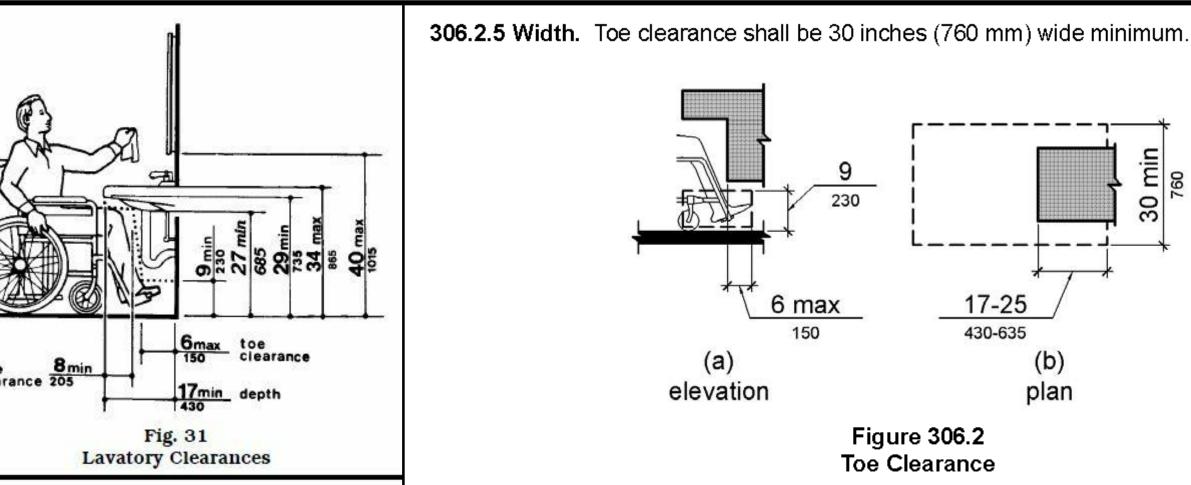
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1816000.000

**SIGNAGE PLAN** 



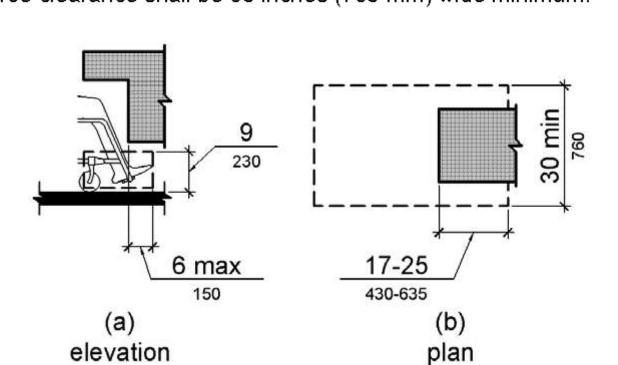


Figure 306.2 Toe Clearance

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

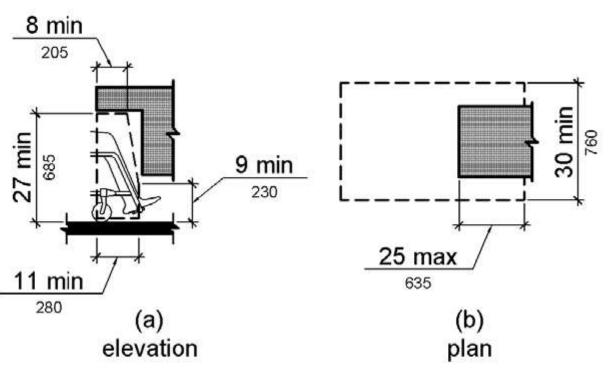


Figure 306.3 Knee Clearance

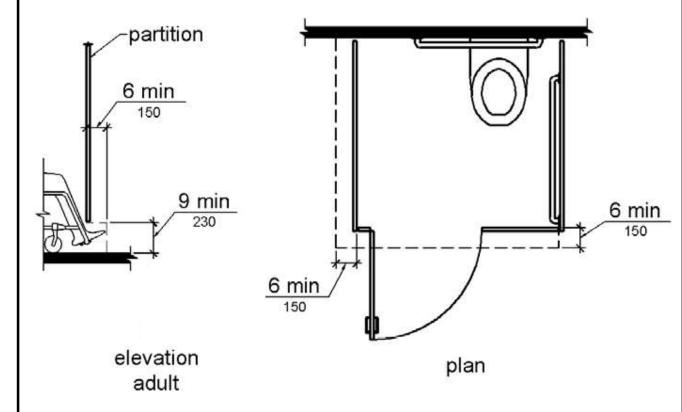


Figure 604.8.1.4 Wheelchair Accessible Toilet Compartment Toe Clearance

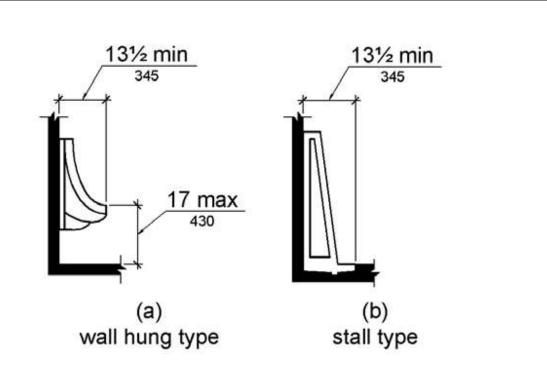
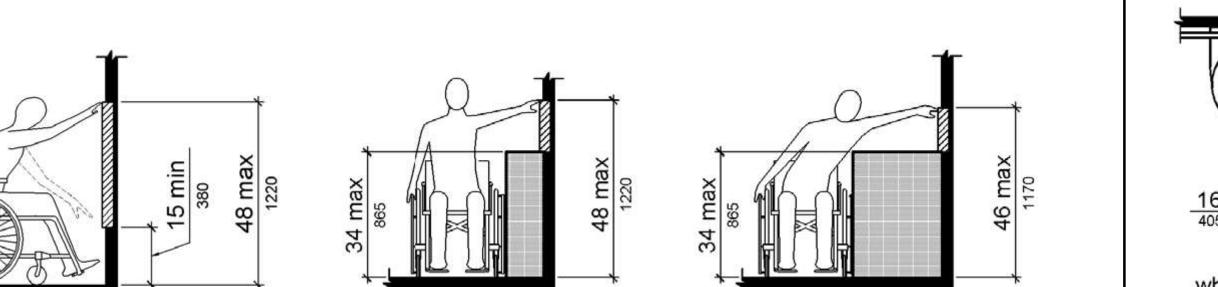


Figure 605.2 Height and Depth of Urinals



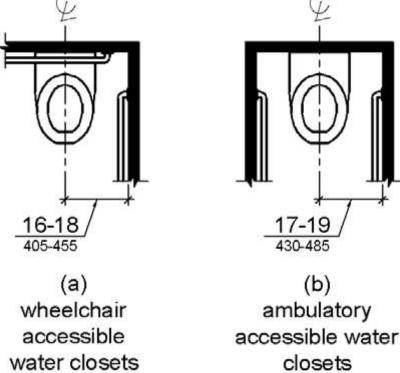


Figure 604.2 **Water Closet Location** 

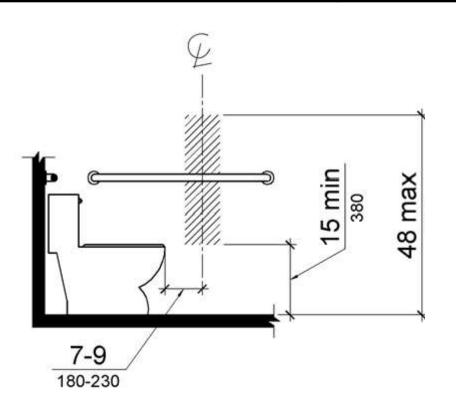


Figure 604.7 **Dispenser Outlet Location** 

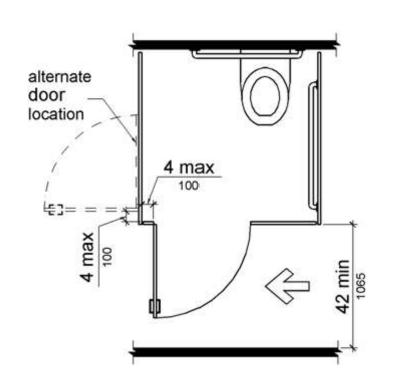


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

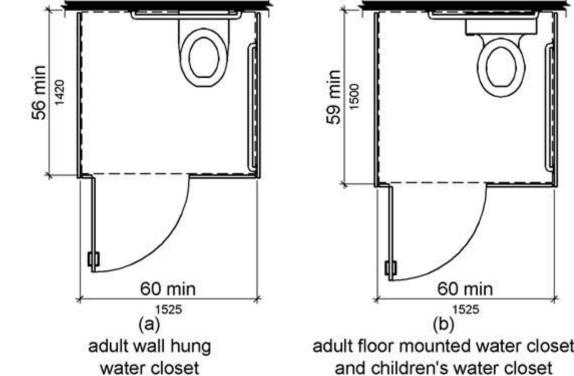


Figure 604.8.1.1 Size of Wheelchair Accessible Toilet Compartment

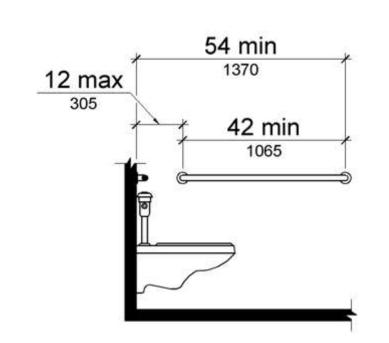


Figure 604.5.1 Side Wall Grab Bar at Water Closets

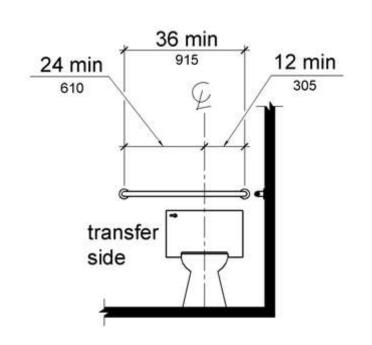


Figure 604.5.2 Rear Wall Grab Bar at Water Closets

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> HANDICAPPED **ACCESSIBILITY DIAGRAMS**

SHEET NUMBER

#### **GENERAL BUILDING DATA**

NEW CONSTRUCTION

#### **APPLICABLE CODES**

BUILDING: INTERNATIONAL BUILDING CODE, 2012 EDITION WITH GEORGIA (2014) (2015)(2017)IBC AMENDMENTS.
FIRE: INTERNATIONAL FIRE CODE, 2012 EDITION WITH GEORGIA 2014 IFC AMENDMENTS.
MECHANICAL: INTERNATIONAL MECHANICAL CODE, 2012 EDITION WITH GEORGIA (2014)(2015) IMC AMENDMENTS.
PLUMBING: INTERNATIONAL PLUMBING CODE, 2012 EDITION WITH GEORGIA (2014)(2015) IPC AMENDMENTS.
ELECTRICAL: NATIONAL ELECTRICAL CODE, 2014 EDITION.
GAS: INTERNATIONAL FUEL GAS CODE, 2012 EDITION WITH GEORGIA 2014 IFGC AMENDMENTS.

ENERGY: INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION WITH GEORGIA 2011 IECC & 2012 IECC SUPPLEMENTS AND AMENDMENTS.

ACCESSIBILITY: 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

#### OCCUPANCY CLASSIFICATIONS-IBC

NON-SEPARATED MIXED USE, WITH BUSINESS AND ASSEMBLY (A-3) OCCUPANCIES

#### **CONSTRUCTION REQUIREMENTS:**

TYPE VB - UNPROTECTED, NON-SPRINKLERED

ALLOWABLE AREA: 6,000 SF PLUS FRONTAGE INCREASE OF 2,580 SF (PER IBC 506.2) = 8,580 SF

### BUILDING ELEMENTS FIRE RESISTANCE RATING

STRUCTURAL FRAMES (INCLUDING COLUMNS, GIRDERS, AND TRUSSES)	0 HR	
SUPPORTING ONE FLOOR OR ROOF ONLY	0 HR	
SUPPORTING MORE THAN ONE FLOOR	0 HR	
FLOOR CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS)	0 HR	
ROOF CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS)	0 HR	
SHAFT ENCLOSURES * *-NOT LESS THAN THE HOURLY FLOOR RATING THE SHAFT PENETRATES PER IBC	0 HR	

#### **BUILDING AREA & OCCUPANT LOADS**

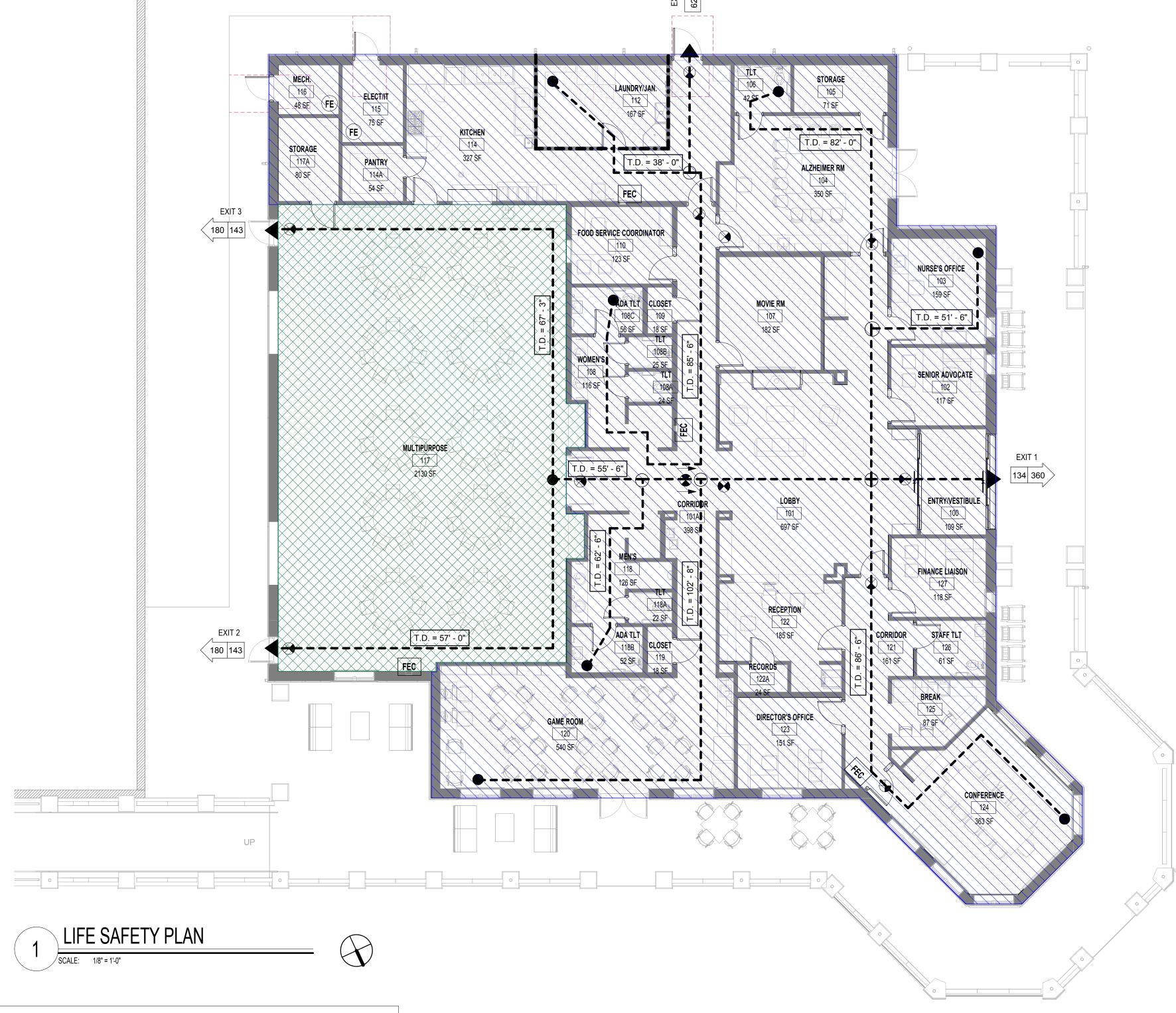
USE GROUP	AREA (S.F.)	S.F. PER OCC.	# OF OCC.
BUSINESS	6,129 GROSS	100	62
ASSEMBLY	2,131 NET	15 NET	143
OVERALL AREA	8,260 GROSS	TOTAL OCC.	205

### **MEANS OF EGRESS:**

	GROUP B	GROUP A
MAX. TRAVEL DISTANCE	200' - 0"	200' - 0"
MAX. DEAD END CORRIDOR LENGTH	20' - 0"	20' - 0"
MAX. COMMON PATH OF TRAVEL	75' - 0"	75' - 0"
MIN. CORRIDOR WIDTH MIN. CLEAR OPENING OF EXIT DOORS EGRESS WIDTH PER OCCUPANTS SERVED STAIRS " " OTHER EGRESS COMPONENTS:	44" 32" 0.3" 0.2"	

### **SEPARATION REQUIREMENTS:**

LAUNDRY >100SF: 1 HR SEPARATION -----



## **MEANS OF EGRESS LEGEND:**

NOTE

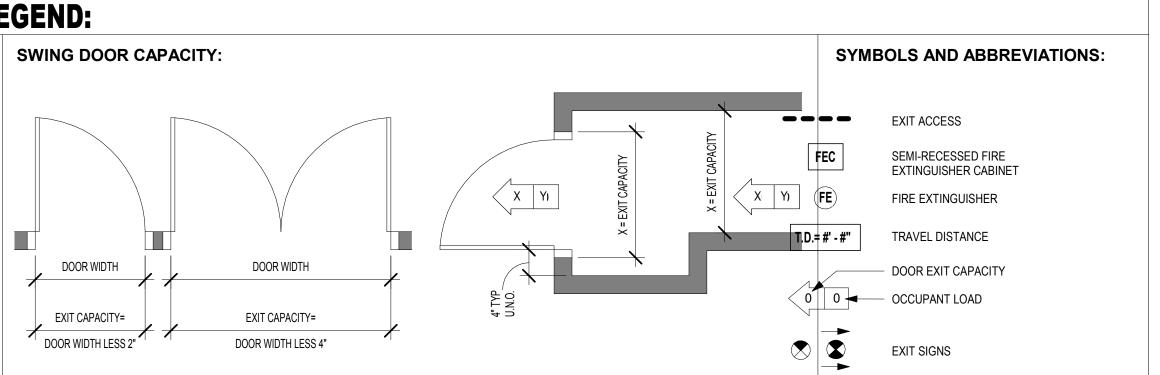
1. THE OCCUPANCY LOAD FACTOR IS DERIVED FROM TABLE 1004.1.2 FROM THE IBC 2012.

2. INCHES PER OCCUPANT SERVED FROM SECTION 1005 OF THE IBC 2012.

3. MAXIMUM COMMON PATH OF TRAVEL DISTANCE IS 75 FEET IN BOTH BUSINESS AND ASSEMBLY OCCUPANCIES IN A NON-SPRINKLERED BUILDING WITH AN OCCUPANT LOAD OF >30 PER TABLE 1014.3 IN THE IBC 2012.

4. MAXIMUM TOTAL TRAVEL DISTANCE IS 200 FEET IN BOTH ASSEMBLY AND BUSINESS OCCUPANCIES PER TABLE 1016.2 IN THE IBC

5. MAXIMUM LENGTH OF DEAD END CORRIDOR IS 20 FEET FOR BOTH ASSEMBLY AND BUSINESS OCCUPANCIES PER IBC 1018.4.



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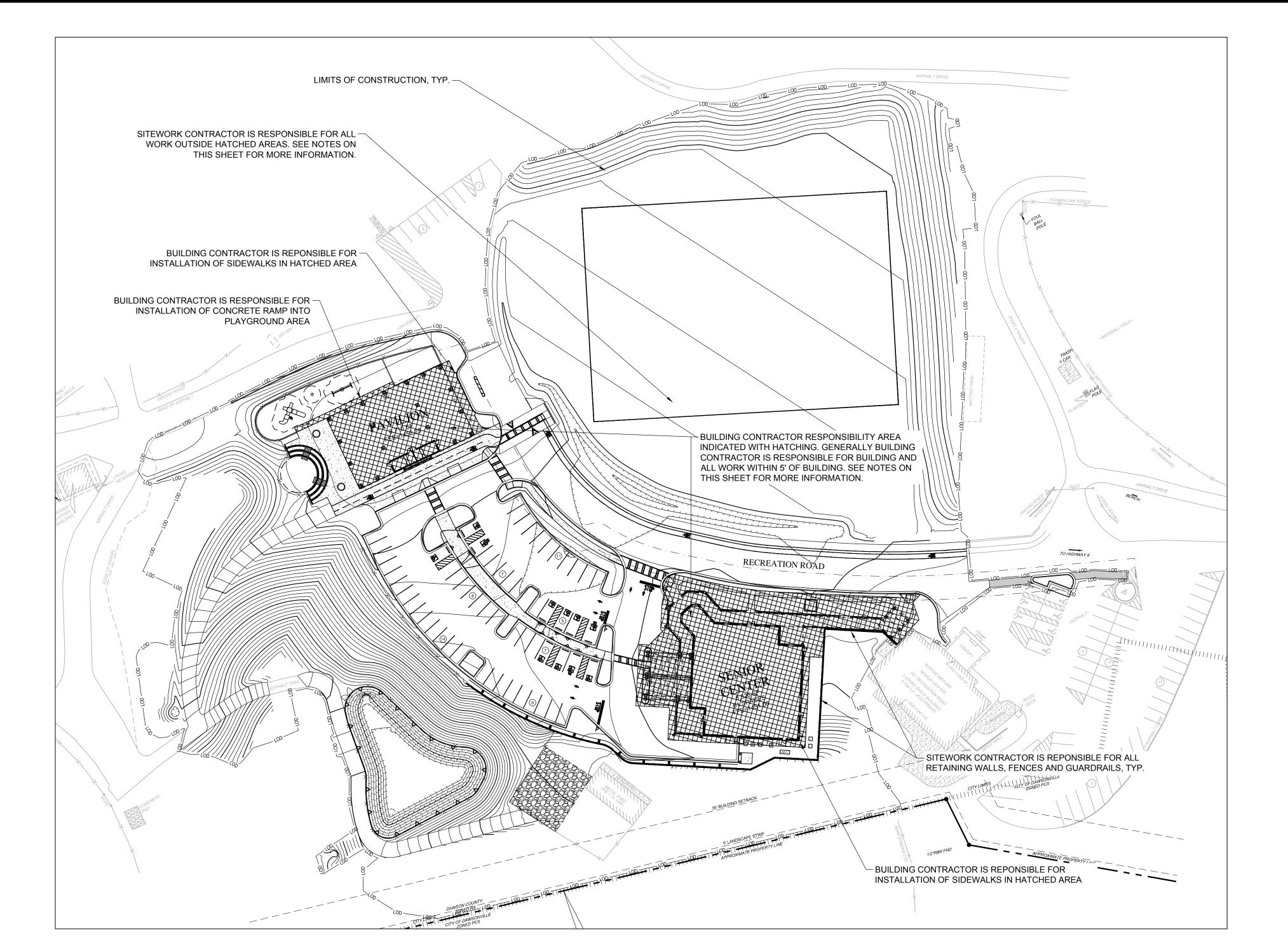
SHEET TITLE

1816000.000

LIFE SAFETY PLAN

SHEET NUMBER

G1-00



- 3. SITEWORK CONTRACTOR IS RESPONSIBLE TO BRING THE BUILDING PADS TO GRADE IN ACCORDANCE WITH THE REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING PREPARED BY GEOHYDRO ENGINEERS, DATED APRIL 3, 2018.
- UNDERGROUND ROOF DRAINAGE LINES). SITE WORK CONTRACTOR IS RESPONSIBLE FOR ALL COSTS AND COORDINATION WITH UTILITY PROVIDERS FOR
- INSTALLATION OF SERVICES, RELOCATION AND/OR MODIFICATION OF SERVICES. 5. SITEWORK CONTRACTOR IS RESPONSIBLE FOR TRANSFORMER PAD. BUILDING CONTRACTOR RESPONSIBLE FOR ALL OTHER BUILDING UTILITY EQUIPMENT PADS,
- 6. ALL RETAINING WALLS, FENCES AND GUARDRAILS (SEE BUILDING STRUCTURAL PLANS FOR FENCE CONNECTION DETAIL TO TOP OF RETAINING WALL).
- 7. ALL PLAYGROUND INFRASTRUCTURE UNLESS OTHERWISE NOTED HERE ON.
- 10. ALL CONCRETE SIDEWALK, UNLESS OTHERWISE NOTED IN THE RESPONSIBILITY
- 11. ALL ROADWAY, TRAIL, AND PARKING LOT ASPHALT PAVING TO THE BINDER COURSE OF ASPHALT. THE BUILDING CONTRACTOR WILL BE RESPONSIBLE TO INSTALL THE FINISH COURSE OF ASPHALT AT THE COMPLETION OF
- CONSTRUCTION. 12. ALL LANDSCAPING AND IRRIGATION.
- ALL OTHER SITEWORK INDICATED IN THE PLANS AND SPECIFICATIONS NOT COVERED BY THE BUILDING CONTRACTOR.

### **BUILDING CONTRACTOR RESPONSIBILITIES:**

1. COMPLETE BUILDING PER BUILDING PLANS.

Know what's **below. Call** before you dig.

- 3. HVAC AND OTHER EQUIPMENT PADS EXCEPT TRANSFORMER PAD. SEE NOTES
- 6. PORTIONS OF CONCRETE SIDEWALK INDICATED IN THE RESPONSIBILITY EXHIBIT.
- PORTIONS OF CONCRETE SIDEWALK INDICATED IN THE RESPONSIBILITY EXHIBIT.
   INSTALLATION THE FINISH COURSE OF ASPHALT AT THE COMPLETION OF CONSTRUCTION.
   REPLACEMENT OF ANY SIDEWALK, CURBS OR OTHER IMPROVEMENTS INSTALLED



#### SITEWORK CONTRACTOR RESPONSIBILITIES:

- ALL DEMOLITION.
   ALL GRADING, EARTHWORK, STORMWATER MANAGEMENT AND DRAINAGE INFRASTRUCTURE INCLUDING ROOF DRAINS STUBBED AT 5' OUTSIDE THE BUILDING ENVELOPE.
- 4. ALL UTILITIES STUBBED AT 5' OUTSIDE BUILDING ENVELOPE (INCLUDING
- SEE NOTES BELOW.
- 8. ALL AMPHITHEATER INFRASTRUCTURE.
- 9. ALL CURB AND GUTTER.

- 13. ALL PAVEMENT STRIPING AND SIGNAGE.14. REPLACEMENT OF ANY IMPROVEMENTS INSTALLED BY THE BUILDING CONTRACTOR THAT ARE DAMAGED BY SITEWORK CONTRACTOR DURING

- 2. UTILITY CONNECTIONS TO BUILDING.
- ABOVE.
- DOWNSPOUT CONNECTIONS TO UNDERGROUND ROOF DRAINAGE LINES.
   CONCRETE PAVEMENT IN PORTE COCHERE AREA.

BY THE SITEWORK CONTRACTOR THAT ARE DAMAGED BY BUILDING CONTRACTOR DURING CONSTRUCTION.

SCALE IN FEET

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CONSTRUCTION **RESPONSIBILITY PLAN** 

SHEET NUMBER

PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.

- CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
- REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
- 4. CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI. PCI. AISC. SJI OR OTHER STANDARDS, WHERE A CONFLICT OCCURS WITHIN THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.
- 5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE
- 6. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
- 8. CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- 9. CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.
- 10. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
- 11. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
- 12. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
- 13. ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
- 14. REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
- 15. DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THE TYPICAL DETAILS UNLESS THOSE LOCATIONS ARE SPECIFICALLY DETAILED OTHERWISE.
- 16. STRUCTURAL DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR THE DESIGN OF CURTAIN WALL/WINDOW WALL SYSTEMS OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.

#### 17. SUBMITTALS

- SUBMITTALS BY THE CONTRACTOR ARE NOT A PART OF THE CONTRACT DOCUMENTS PRIOR TO THE INITIAL SUBMITTAL, CONTRACTOR SHALL SUBMIT TO THE DESIGN PROFESSIONAL A SCHEDULE OF SUBMITTED INFORMATION.
- 17.2 SUBMITTALS SHALL BE ACCOMPANIED BY A TRANSMITTAL LETTER WITH THE FOLLOWING INFORMATION:
  - PROJECT NAM
  - CONTRACTOR'S NAME
  - DATE SUBMITTED DESCRIPTION OF ITEMS SUBMITTED. IDENTIFY WORK AND PRODUCT BY SPECIFICATION
  - NUMBER OF DRAWINGS AND OTHER PERTINENT DATA.
- 17.3 CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION ON THE SUBMITTAL TO ANY DEVIATION FROM THE CONTRACT DOCUMENTS. CONTRACTOR SHALL STAMP AND SIGN EACH SHEET OF SHOP DRAWINGS AND PRODUCT DATA, AND SIGN OR INITIAL EACH SAMPLE TO CERTIFY COMPLIANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS. SUBMITTALS RECEIVED WITHOUT THE CONTRACTOR'S STAMP OF REVIEW WILL BE RETURNED TO THE CONTRACTOR FOR REVIEW AND RESUBMITTAL.
- 17.4 WORK REQUIRING SHOP DRAWINGS, WHETHER CALLED FOR BY THE CONTRACT DOCUMENTS OR REQUESTED BY THE CONTRACTOR, SHALL NOT COMMENCE UNTIL THE SUBMISSION HAS BEEN REVIEWED BY THE DESIGN PROFESSIONAL. WORK MAY COMMENCE IF THE CONTRACTOR VERIFIES THE ACCURACY OF THE DESIGN PROFESSIONAL'S CORRECTIONS AND NOTATIONS AND COMPLIES WITH THEM WITHOUT EXCEPTION AND WITHOUT REQUESTING CHANGE IN CONTRACT SUM OR CONTRACT TIME AT COPY OF THE MARKED STRUCTURAL SHOP DRAWINGS WITH THE DESIGN PROFESSIONAL'S REVIEW STAMP IS TO BE MAINTAINED AT THE JOB SITE.

- CODE/DESIGN CRITERIA1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
- INTERNATIONAL BUILDING CODE, 2012 EDITION WITH GEORGIA AMENDMENTS.
- . GRAVITY LOADS
- 2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
  - GENERAL AREAS
- MECHANICAL PLATFORMS 150 PSF
- 2.2 UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
  - 10 PSF GROUND SNOW LOAD, Pa
  - SNOW EXPOSURE FACTOR, C<sub>e</sub> = 0.9 SNOW LOAD IMPORTANCE FACTOR, I = 1.0
  - THERMAL FACTOR, Ct
- PONDING AND DRIFT EFFECTS HAVE BEEN INCLUDED IN THE DESIGN.

#### 2.3 DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):

## ROOFING

- INSULATION MISCELLANEOUS CEILING/MEP
- 5 PSF 5 PSF 5 PSF

- WIND LOADS:
  - ULTIMATE DESIGN WIND SPEED, V<sub>ULT</sub> = 115 MPH
  - NOMINAL DESIGN WIND SPEED, V<sub>ASD</sub> = 89 MPH
  - RISK CATEGORY: II
  - EXPOSURE B INTERNAL PRESSURE COEFFICIENT = +/- 0.18
  - SEE COMPONENT AND CLADDING DESIGN WIND PRESSURE DIAGRAM

#### 4. EARTHQUAKE LOADS:

- RISK CATEGORY: II
- SEISMIC IMPORTANCE FACTOR: I = 1.0
- SHORT PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, Ss = 0.246 1 SECOND PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S1 = 0.101
- SITE CLASS D • SHORT PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, SD<sub>S</sub> = 0.262
- 1 SECOND PERIOD DESIGN SPECTRAL RESPONSE COEFFICIENT, SD1 = 0.162 SEISMIC DESIGN CATEGORY: C
- BASIC SEISMIC-FORCE RESISTING SYSTEM: LIGHT-FRAME WOOD WALLS SHEATHED
- WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE
- DESIGN BASE SHEAR: 15 KIPS • SEISMIC RESPONSE COEFFICIENT, Cs = 0.040

THE SUPPORTED ELEMENTS IN A BAY.

- RESPONSE MODIFICATION FACTOR, R = 6.5 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
- UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT
- EXCEED THE FOLLOWING:
- ROOF MEMBERS: WHERE, L = SPAN LENGTH (IN INCHES) BETWEEN SUPPORTS. (FOR CANTILEVERS, L IS TWICE THE LENGTH OF THE CANTILEVER.) NOTE THAT THE TOTAL MAXIMUM CALCULATED FLOOR SYSTEM DEFECTION WILL BE THE SUM OF THE DEFLECTIONS OF
  - THE CALCULATED DEFLECTION FOR INDIVIDUAL MEMBERS SUPPORTING MASONRY DO NOT EXCEED L/600 FOR DESIGN LOADS APPLIED AFTER THE INSTALLATION OF THE
- 6. SPECIAL INSPECTIONS:
- 6.1 THE STRUCTURAL TESTING/INSPECTION AGENCY, SEE SPECIFICATION SECTION 014525, WILL PERFORM SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE. MATERIALS AND WORK TO BE INSPECTED INCLUDE WOOD, STEEL, AND CONCRETE CONSTRUCTION. SEE SPECIFICATION SECTIONS 014525 FOR A COMPLETE LIST OF WORK REQUIRING SPECIAL INSPECTIONS.
- 6.2 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE ARE REQUIRED FOR STRUCTURAL COMPONENTS AND ASSEMBLIES WHICH ARE NOT FABRICATED AT THE CONSTRUCTION JOB SITE INCLUDING BUT NOT LIMITED TO ROOF TRUSSES AND JOISTS OF WOOD AND STEEL MATERIALS AND STRUCTURAL STEEL FRAMING.
- 6.3 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE MAY BE WAIVED FOR ITEMS WHICH ARE PRODUCED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND BY PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE WHICH STATES THAT THE FABRICATION WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
- 6.4 THE PROJECT OWNER WILL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE DURING CONSTRUCTION OF THE PROJECT. DOCUMENTATION THAT SUMMARIZES THE QUALIFICATION AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION SHALL BE SUBMITTED TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- 6.5 APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE CHIEF COMMERCIAL BUILDING INSPECTOR OR HIS DESIGNEE AND TO THE DESIGN PROFESSIONAL WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. A FINAL REPORT WHICH DOCUMENTS THE RESULTS OF THE SPECIAL INSPECTIONS PERFORMED INCLUDING CORRECTION OF ANY DISCREPANCIES IDENTIFIED DURING INSPECTION SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY CHIEF COMMERCIAL BUILDING INSPECTOR PRIOR TO CONSTRUCTION.
- 7. NO PROVISIONS HAVE BEEN MADE FOR FUTURE HORIZONTAL OR VERTICAL EXPANSION.

- FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY GEO HYDRO ENGINEERS, PROJECT NUMBER 180267.20 DATED APRIL 3, 2018. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.
- 2. ALL FOUNDATIONS SHALL BE INSTALLED UNDER THE GUIDANCE OF A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER IN THE PROJECT STATE. THE GEOTECHNICAL ENGINEER SHALL GIVE CONSIDERATION TO THE TYPE OF BUILDING AND FOUNDATION LOADS INVOLVED AS WELL AS THE REQUIREMENTS OF THESE DOCUMENTS. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR
- 3. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM.
- 4. INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 3000 PSF.
- 4.1 NO FOOTINGS SHALL BEAR ON ROCK. UNDERCUT ROCK A MINIMUM OF 2 FEET BELOW BOTTOM OF FOOTING AND REPLACE WITH STRUCTURAL FILL.
- 5. FOUNDATION WALLS ARE DESIGNED FOR LATERAL PRESSURES DUE TO THE FOLLOWING EQUIVALENT FLUID DENSITIES:
  - WALLS SUPPORTED AT TOP (AT-REST CONDITION): • WALLS FREE TO DISPLACE AT TOP ( ACTIVE CONDITION): 42 PCF
- 6. BACKFILL PLACED AGAINST EXTERIOR OR RETAINING WALLS SHALL NOT EXCEED 120 PCF WEIGHT.
- 7. PROOF ROLL BUILDING AREAS WITH TWO COMPLETE COVERAGES OF A LOADED DUMP-TRUCK OR SCRAPER. REPLACE SOFT AREAS WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.
- 8. UNDERCUT 30% OF THE BUILDING AREA TO A DEPTH OF 2'-6" BELOW SUBGRADE ELEVATION AND REPLACE WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.
- 9. STRUCTURAL FILL SHALL CONTAIN NO ORGANIC MATERIAL AND BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. STRUCTURAL FILL UNDER SLABS AND WITHIN 10'-0" OF THE BUILDING FOOTPRINT SHALL BE PLACED IN LIFTS OF THICKNESS DETERMINED BY THE INDEPENDENT TESTING AGENCY AND COMPACTED TO AT LEAST 95% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698. THE TOP 12" SUB-BASE UNDER SLABS ON GRADE SHALL BE COMPACTED TO AT LEAST 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. ALL BACKFILL, COMPACTION AND PROOF ROLLING OPERATIONS SHALL BE OBSERVED BY AN INDEPENDENT TESTING LABORATORY. STRUCTURAL FILL SOIL DENSITY SHALL BE 120 PCF.
- 10. SLABS-ON-GRADE SHALL BE PLACED ON A 4" GRANULAR BASE, COMPACTED TO 98% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D698, AND COVERED WITH A 10 MIL CONTINUOUSLY SEALED VAPOR BARRIER. THE BASE FOR SLABS-ON-GRADE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO EACH PLACEMENT OF CONCRETE.
- 11. BACKFILL SHALL NOT BE PLACED AGAINST EXTERIOR OR RETAINING WALLS UNTIL THE WALLS HAVE ACHIEVED THEIR DESIGN STRENGTH AND THEIR LATERAL SUPPORT ELEMENTS ARE INSTALLED. PROVIDE ADEQUATE DRAINAGE AT BASEMENT AND RETAINING WALLS (SEE ARCHITECTURAL).

- 12. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE.
- 13. ALL FOOTINGS AND TURN DOWN SLAB EDGES SHALL PENETRATE TO A MINIMUM DEPTH OF 18" BELOW FINISHED GRADE.

- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- 2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064 AND HAVE MINIMUM SIDE AND END LAPS
- 3. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
- 4. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS, EXCEPT REINFORCEMENT MARKED "CONTINUOUS" CAN BE SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
- 5. PROVIDE DOWELS FROM FOUNDATIONS THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.
- 6. PLACE REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:
- 6.1 CONCRETE REINFORCEMENT COVER
- **EXPOSED TO EARTH OR WEATHER:**  UNFORMED CAST AGAINST EARTH 3" CLEAR
- FORMED #6 AND LARGER 2" CLEAR FORMED #5 AND SMALLER 1-1/2" CLEAR
- NOT EXPOSED TO EARTH OR WEATHER: WALLS 1" CLEAR SLABS 3/4" CLEAR
- REINFORCING STEEL DESIGNATED CONTINUOUS SHALL BE LAPPED AS FOLLOWS:
- CONCRETE REINFORCEMENT: CLASS B TENSION LAP
- 8. ADHESIVE FOR REINFORCING DOWELS IN EXISTING CONCRETE SHALL CONFORM TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. REINFORCING INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE
- 9. ALL DOWELS AND TERMINATING BARS SHALL HAVE A STANDARD 90 DEGREE HOOK.
- 10. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL AND/OR CONSTRUCTION JOINTS AND AROUND CORNERS.

#### 1. CONCRETE WORK SHALL CONFORM TO ACI 318 AND CRSI STANDARDS

- 2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH:
- 2.1 NORMAL WEIGHT STRUCTURAL CONCRETE:

  - FOOTINGS SLABS-ON-GRADE 4000 PS
- FOUNDATION/RETAINING WALLS 4500 PSI 3. PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS INCLUDING CROSSING UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DOCUMENTS. ALL PIPES AND
- SPECIFICALLY DETAILED OTHERWISE IN THE STRUCTURAL DOCUMENTS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF SLEEVES, ACCESSORIES, ETC. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE AND FOR LOCATION OF FLOOR FINISHES AND SLAB

DUCTS SHALL BE PLACED IN THE MIDDLE THIRD OF THE SLAB OR WALL THICKNESS UNLESS

- 5. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE DESIGN PROFESSIONAL. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED EXCEPT THOSE SHOWN ON THE
- DEFECTIVE AREAS IN CONCRETE INCLUDING, BUT NOT LIMITED TO, HONEY-COMBING, SPALLS, AND CRACKS WITH WIDTHS EXCEEDING 0.016 INCH SHALL BE REPAIRED. EXTENT OF DEFECTIVE AREA TO BE DETERMINED BY THE DESIGN PROFESSIONAL.

- STRUCTURAL STEEL SHALL CONFORM TO ASTM A992, UNLESS NOTED OTHERWISE.
- STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STRUCTURAL CHANNELS, MISCELLANEOUS PLATES AND CONNECTION MATERIAL SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.
- 2. BOLTS AND ANCHORS:

DEPRESSIONS.

STRUCTURAL DRAWINGS.

- 2.1 BOLTED CONNECTIONS SHALL BE TYPE N (BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE) WITH MINIMUM 3/4" DIAMETER A325 BOLTS. SUBMIT PROPOSED BOLT TIGHTENING
- 2.2 ANCHOR BOLTS SHALL BE HEADED BOLTS CONFORMING TO ASTM F1554 AND SHALL BE HEADED RODS OR THREADED RODS WITH HEAVY HEXAGONAL NUT WELDED TO THE BOTTOM OF THE THREADED ROD, GRADE A36, UNLESS NOTED OTHERWISE.
- 2.3 EXPANSION ANCHORS SHALL HAVE BEEN EVALUATED BY THE ICC EVALUATION SERVICES, INC (ICC-ES) WITH A PUBLISHED EVALUATION REPORT. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 193 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. ALL ANCHORS SHALL BE APPROVED FOR RESISTING WIND AND SEISMIC LOADS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.
- 2.4 ADHESIVE ANCHORS SHALL CONSIST OF AN ALL-THREAD STEEL ANCHOR WITH ADHESIVE CONFORMING TO ASTM C881-02, TYPE IV, GRADE 3, CLASS A, B, & C EXCEPT GEL TIMES AND EPOXY CONTENT. ADHESIVE SHALL CONSIST OF A TWO COMPONENT ADHESIVE SYSTEM CONTAINED IN SIDE BY SIDE PACKAGING CONNECTEED TO A MIXING NOZZLE WHICH THOROUGHLY MIXES THE COMPONENTS AS IT IS INJECTED INTO THE HOLE. ADHESIVE SHALL HAVE PASSED ICC EVALUATION SERVICES, INC (ICC-ES) ACCEPTANCE CRITERIA 308 FOR LONG TERM CREEP. ANCHORS INSTALLED IN CONCRETE THAT MAY BECOME CRACKED UNDER SERVICE LOADS SHALL BE EVALUATED BY ICC-ES ACCEPTANCE CRITERIA 308 AND BE SPECIFICALLY APPROVED FOR USE IN CRACKED CONCRETE. CONTACT DESIGN PROFESSIONAL FOR DETERMINATION OF CRACKED OR UNCRACKED CONCRETE CONDITION UNLESS CONDITION IS NOTED ON THE DRAWINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE EQUAL TO 4.5 TIMES
- 2.5 ANCHOR BOLTS SECURING WOOD PLATES SHALL BE PROVIDED WITH 1/4"x2-1/2"x2 1/2" BEARING PLATE BP 5/8". ANCHOR BOLTS FOR SILL PLATES SHALL BE EMBEDDED A MINIMUM OF 6 IN. FOR CONCRETE AND 8 IN. FOR MASONRY.
- 3. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO BOTH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

THE ANCHOR DIAMETER, UNLESS NOTED OTHERWISE.

4. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS AND CONNECTIONS SHOWN IN THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE DETAILED DOCUMENTS. CONNECTIONS SHALL BE DESIGNED FOR THE SERVICE STRUCTURAL LOAD BEACTIONS SHALL BE DESIGNED FOR THE SERVICE BASED ON THE DESIGN INFORMATION PROVIDED IN THE CONTRACT LOAD REACTION VALUES SHOWN ON THE STRUCTURAL DRAWINGS.

FOR STEEL MEMBERS WHOSE REACTIONS ARE NOT SHOWN, THE DESIGN REACTION SHALL BE 10 KIPS. DEVIATION FROM THE (678) 664-8051 CONNECTION DETAILS DEPICTED IN THE CONTRACT DOCUMENTS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL. DESIGN PROFESSIONAL SHALL BE COMPENSATED BY THE CONTRACTOR FOR THE COST INVOLVED IN THE REDESIGN OF CONNECTIONS FOR THE CONVENIENCE OF THE CONTRACTOR. STEEL CONNECTIONS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE CONTRACTOR. THIS DESIGN SERVICE SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES. SHOP DRAWINGS AND CALCULATIONS FOR SUCH CONNECTIONS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN AND ADEQUACY OF SUCH CONNECTIONS. FOR CONNECTION DETAILS DEPICTING ARRANGEMENT CONCEPT OF THE CONNECTION WITHOUT COMPLETE DETAILS, THE CONNECTION DESIGN ENGINEER SHALL FOLLOW THAT ARRANGEMENT CONCEPT IN THE DESIGN. SINGLE ANGLE CONNECTIONS ARE NOT ACCEPTABLE.

- 5. USE PRE-QUALIFIED WELDED JOINTS IN ACCORDANCE WITH AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. "NON-PRE-QUALIFIED JOINTS" SHALL BE QUALIFIED PRIOR TO FABRICATION.
- 6. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE GALVANIZED.
- 7. STEEL BAR GRATING SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE:
- 7.1 STEEL BAR GRATING SHALL BE RECTANGULAR TYPE WITH WELDED CROSS BARS.
- 7.2 BEARING BARS SHALL BE 1-1/4" DEEP x 3/16" THICK SPACED AT 1-3/16" C/C WITH CROSS BARS SPACED AT 4" C/C. STEEL BAR MATERAIL SHALL CONFORM TO ASTM A569
- 7.3 GRATING SURFACE SHALL BE PLAIN.
- 7.4 GRATING FINISH TO BE STANDARD SHOP COAT OF RED OXIDE PAINT.
- 7.5 FASTEN GRATING TO STEEL SUPPORTS WITH 3/16" FILLET WELDS x 3/4" LONG AT EVERY SIXTH BEARING BAR ALONG SUPPORT (MIN. OF 2 WELDS PER PANEL).

- I. WOOD FRAMING SHALL BE SOUTHERN PINE, NO. 2 K.D. (15% MAX. MOISTURE CONTENT) OR EQUIVALENT. MINIMUM ALLOWABLE BENDING STRESS SHALL BE PER NDS (2013 ADDENDUM).
- 2. PARALLAM PARALLEL STRAND LUMBER (PSL) SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS OF 2,600 PSI AND A MODULUS OF ELASTICITY OF 2,000,000 PSI.
- 3. WOOD TRUSSES SHALL BE CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS AS GIVEN IN THE CONTRACT DOCUMENTS.
- 4. DESIGN OF WOOD TRUSSES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, AND SUPPORT REACTIONS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWINGS SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO TRUSS CONFIGURATION, AND THE CONTRACTOR'S INTERPRETATION OF DESIGN LOADS AND DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR THE DESIGN OF THE TRUSSES OR TRUSS CONNECTIONS NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS.
- 4.1 ALL HARDWARE REQUIRED FOR CONNECTIONS BETWEEN PRE-ENGINEERED TRUSSES SHALL BE DESIGNED BY AND SPECIFIED BY THE TRUSS DESIGN ENGINEER.
- 4.2 ALL PRE-ENGINEERED METAL PLATE CONNECTED WOOD TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TRUSS PLATE INSTITUTE'S "HANDLING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HIB-91" AND "BUILDING COMPONENT SAFETY INFORMATION BOOKLET, BCSA 1-03" AND RELATED SHEETS.
- 4.3 ALL PRE-ENGINEERED TRUSS SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING THE TIMES OF INSPECTION AND SHALL BEAR CLEAR INDICATION THEY HAVE BEEN REVIEWED BY THE PROJECT DESIGN PROFESSIONAL OF RECORD.
- 4.4 TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION AND THE DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES PUBLISHED BY THE TRUSS JOIST INSTITUTE, LATEST EDITION FOR THE FOLLOWING LOADS. CONNECTIONS BETWEEN TRUSSES SHALL BE DESIGNED AND SPECIFIED BY THE TRUSS ENGINEER. TRUSSES SHALL HAVE A MINIMUM NOMINAL BEARING LENGTH OF 4 INCHES (3 1/2" ACTUAL). CONCENTRATED MECHANICAL ELECTRICAL LOADS: SEE PLANS. TOP AND BOTTOM CHORD OF TRUSSES SHALL BE A MINIMUM OF 2x6 NOMINAL LUMBER.
- 4.5 TRUSS LOADING (IN ADDITION TO SELF WEIGHT). SEE TRUSS DIAGRAMS FOR ADDITIONAL

TOP CHORD:

10 PSF BOTTOM CHORD:

CONFORMANCE WITH THE RECOMMENDATIONS OF THE TRUSS MANUFACTURER AND THE TRUSS PLATE INSTITUTE'S "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS".

6. CONNECTIONS FOR STRUCTURAL TIMBER SHALL BE GALVANIZED CONNECTORS.

5. ERECTION AND TEMPORARY BRACING OF PREFABRICATED WOOD TRUSSES SHALL BE IN

TREATED SOUTHERN PINE. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD.

- 7. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE-
- 8. PROVIDE DOUBLE TOP PLATE LAPPED AT CORNERS AND AT SPLICES (4' SPLICE). SUPPORT ENDS OF LAPS DIRECTLY OVER A VERTICAL LOAD BEARING STUD.

9. ROOF AND WALL SHEATHING SHALL BE PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS

OF THE AMERICAN PLYWOOD ASSOCIATION (APA). THE MINIMUM THICKNESSES WHICH FOLLOW

- SHALL BE INCREASED AS REQUIRED TO SATISFY ARCHITECTURAL REQUIREMENTS. 9.1 PLYWOOD DIAPHRAGMS SHALL BE EITHER STRUCTURAL I OR II SOUTHERN PINE PLYWOOD WITH THICKNESS AS NOTED IN THE STRUCTURAL DOCUMENTS. PLYWOOD SHALL CONFORM TO
- 9.2 ROOF SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, 48"x96", 3/4" 32/16 PLYWOOD SHEATHING. SHEATHING SHALL BE TONGUE AND GROOVE OR BE INSTALLED WITH PANEL CLIPS IN ACCORDANCE WITH APA RECOMMENDATIONS. WHERE ALLOWABLE SPANS ARE EXCEEDED AT ROOF SLOPE TRANSITIONS, PROVIDE SPECIALLY DESIGNED SUPPLEMENTAL MEMBERS AS REQUIRED. SHEATHING SHALL BE INSTALLED WITH THE LONG EDGE ACROSS A MINIMUM OF THREE SUPPORTING MEMBERS. SUPPORT AND STAGGER EDGES OF SHEATHING PARALLEL TO SUPPORTING MEMBER. PROVIDE CONTINUOUS BLOCKING AT PERIMETER OF EACH DIAPHRAGM PLANE (INCLUDING ROOF SLOPE TRANSITIONS) AND AROUND OPENINGS. FASTEN SHEATHING WITH 8d NAILS AT 6" O.C. AT SUPPORTED EDGES UNO AND AT 12" O.C. AT INTERMEDIATE SUPPORTS. AN 1/8" GAP SHALL BE LEFT BETWEEN ADJACENT PANELS. PROTECT EDGES AGAINST EXPOSURE TO WEATHER OR USE EXTERIOR GRADE SHEATHING. COVER SHEATHING AS SOON AS POSSIBLE WITH ROOFING FELT OR SHINGLE UNDERLAYMENT FOR PROTECTION AGAINST EXCESSIVE MOISTURE PRIOR TO ROOFING INSTALLATION.
- 9.3 WALL SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, 48"x96", 15/32" 32/16 PLYWOOD SHEATHING WITH CONTINUOUSLY SUPPORTED EDGES. AN 1/8" GAP SHALL BE LEFT BETWEEN ADJACENT PANELS. PROVIDE ONE LAYER ON ONE SIDE OF WALL UNLESS INDICATED ON PLAN TO PROVIDE ON LAYER ON EACH SIDE OF WALL.
- 9.4 FASTEN WALL SHEATHING WITH 8d NAILS @ 6" O.C. AT PANEL EDGES AND @ 12" O.C. AT INTERMEDIATE SUPPORTS. SEE SCHEDULE FOR SHEAR WALL SHEATHING FASTENERS.
- 10. WOOD ROOF DECKING SHALL BE SELECT GRADE 2x6 DECKING WITH BEVELED EDGES. FASTEN TO TIMBER TRUSSES WITH THREE (3) 16d NAILS AT EACH BOARD END AND (2) 16d NAILS AT EACH INTERMEDIATE SUPPORT.
- 11. FASTENING SCHEDULE SHALL BE IN ACCORDANCE WITH TABLE 2304.9.1 IN THE INTERNATIONAL BUILDING CODE, 2012 EDITION, UNLESS OTHERWISE SPECIFIED IN THE CONSTRUCTION
- 12. PROVIDE WOOD BLOCKING AT 4'-0" O.C. AT WALL STUDS.

THE REQUIREMENTS OF THE BUILDING CODE.

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Revisions

Date Description

1816000.000

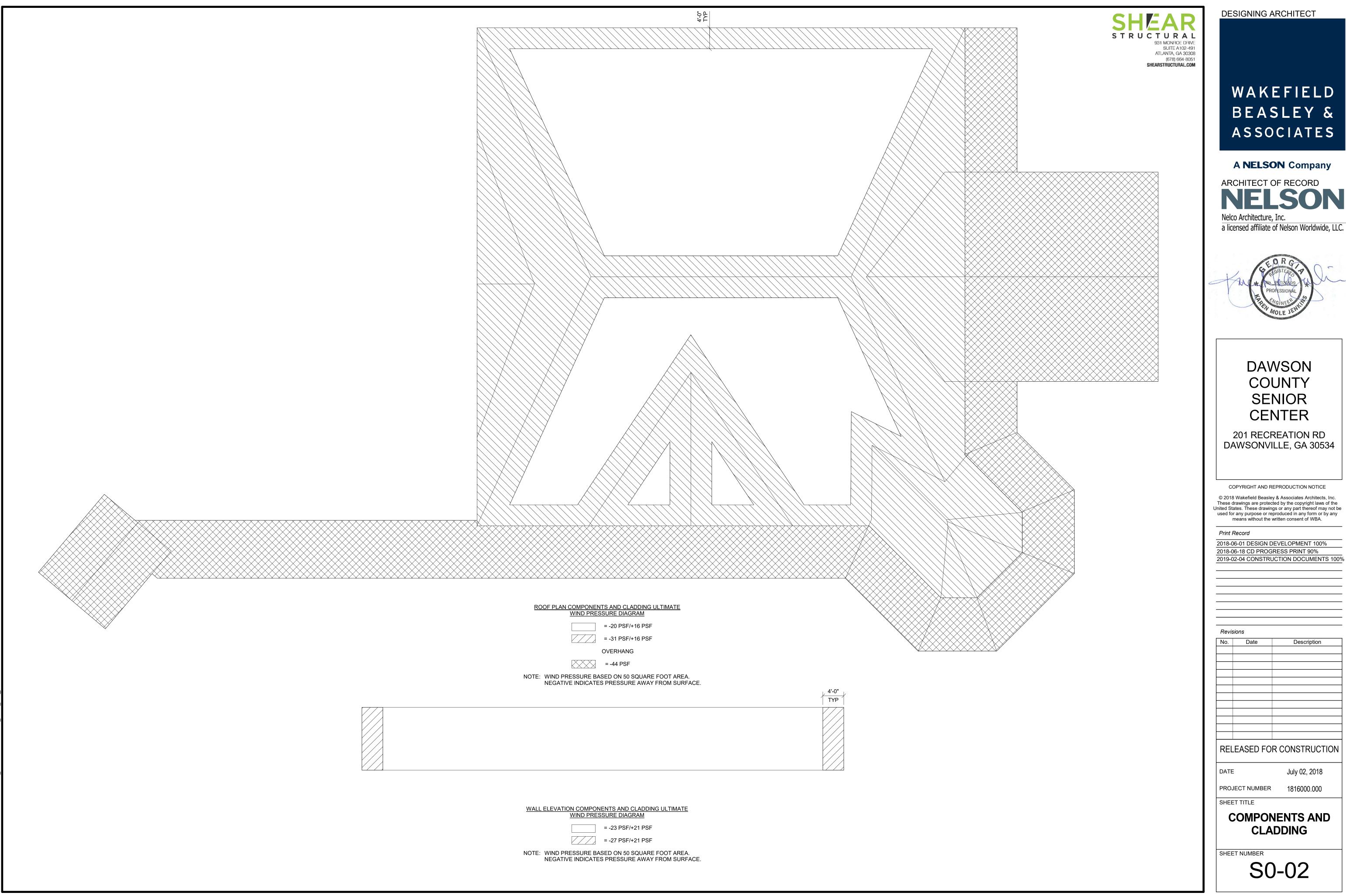
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July 02, 2018

**GENERAL NOTES** 

SHEET NUMBER

PROJECT NUMBER



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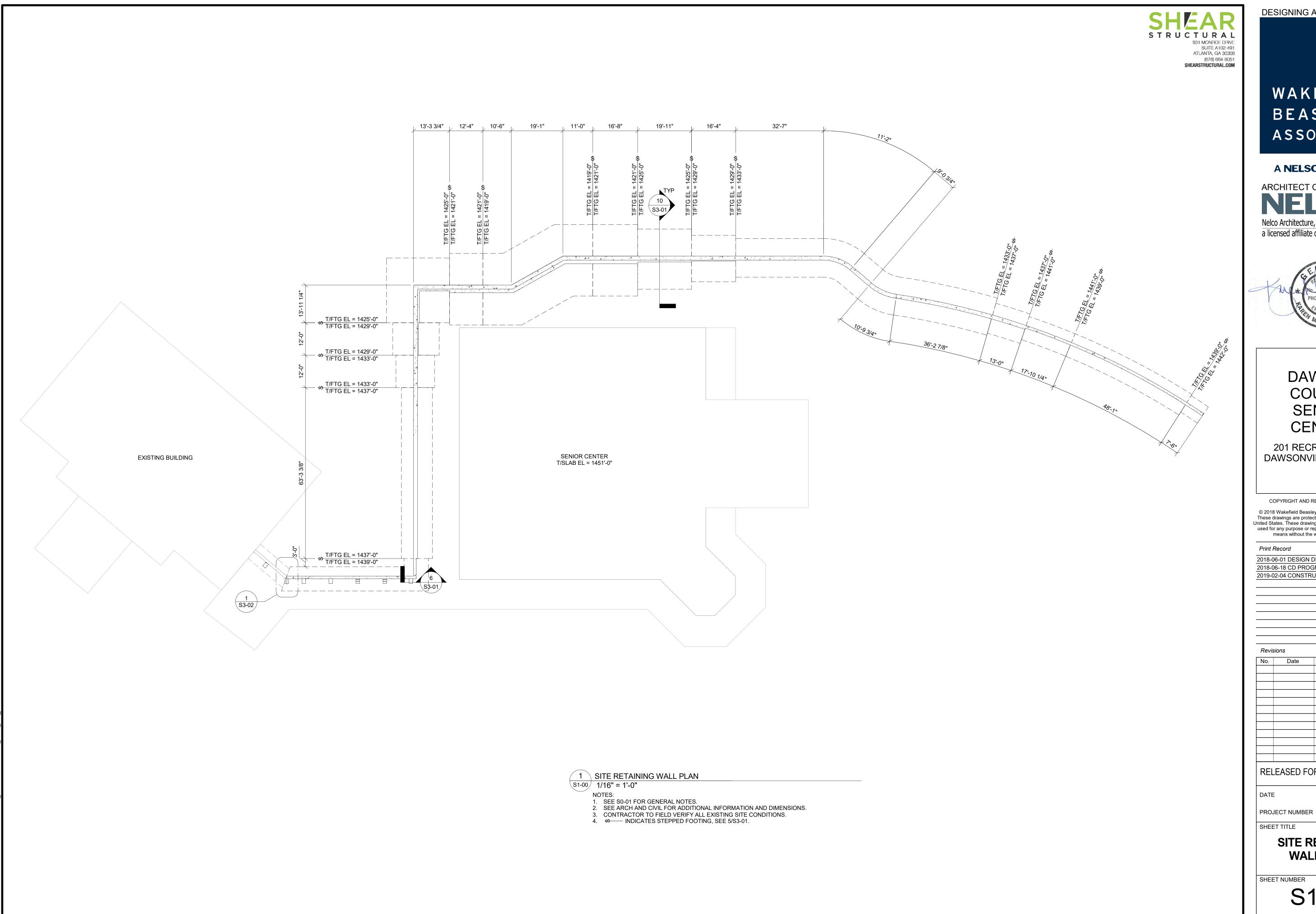
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1816000.000

Description

**COMPONENTS AND** 

S0-02



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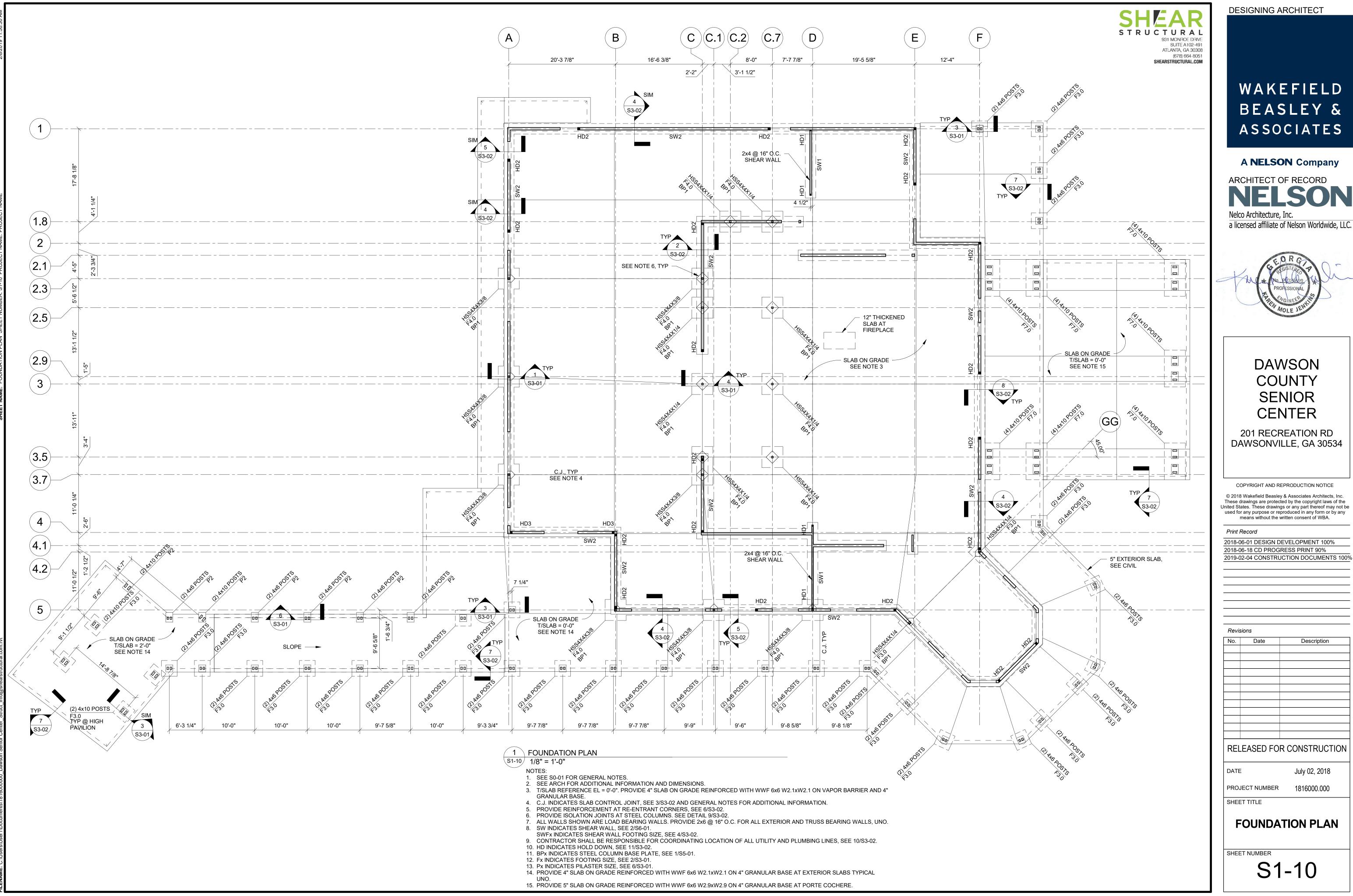
PROJECT NUMBER

SHEET TITLE

SITE RETAINING **WALL PLAN** 

SHEET NUMBER

S1-00



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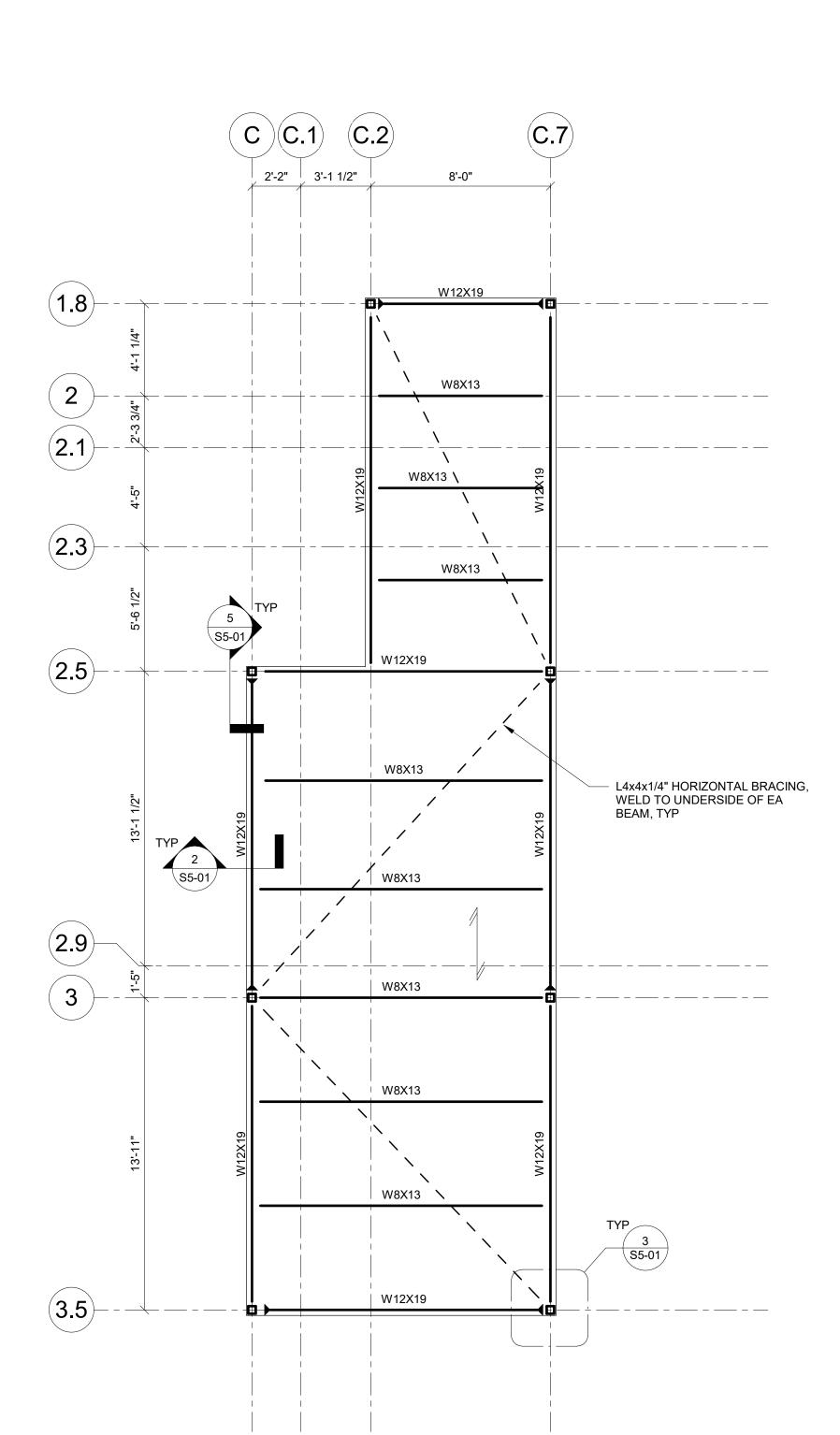
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**FOUNDATION PLAN** 

S1-10



1 ENLARGED MECH PLATFORM FRAMING PLAN

S1-11 1/4" = 1'-0"

NOTES:

1. SEE S0-01 FOR GENERAL NOTES.

SEE ARCH FOR ADDITIONAL INFORMATION AND DIMENSIONS.
 INDICATES DIRECTIONAL SPAN OF STEEL BAR GRATING, SEE GENERAL NOTES. PLATFORM DECK BEARING

ELEVATION = 10'-10", UNO.

4. ▶ INDICATES MOMENT CONNECTION, SEE 5/S5-01.
5. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH MECH DRAWINGS.

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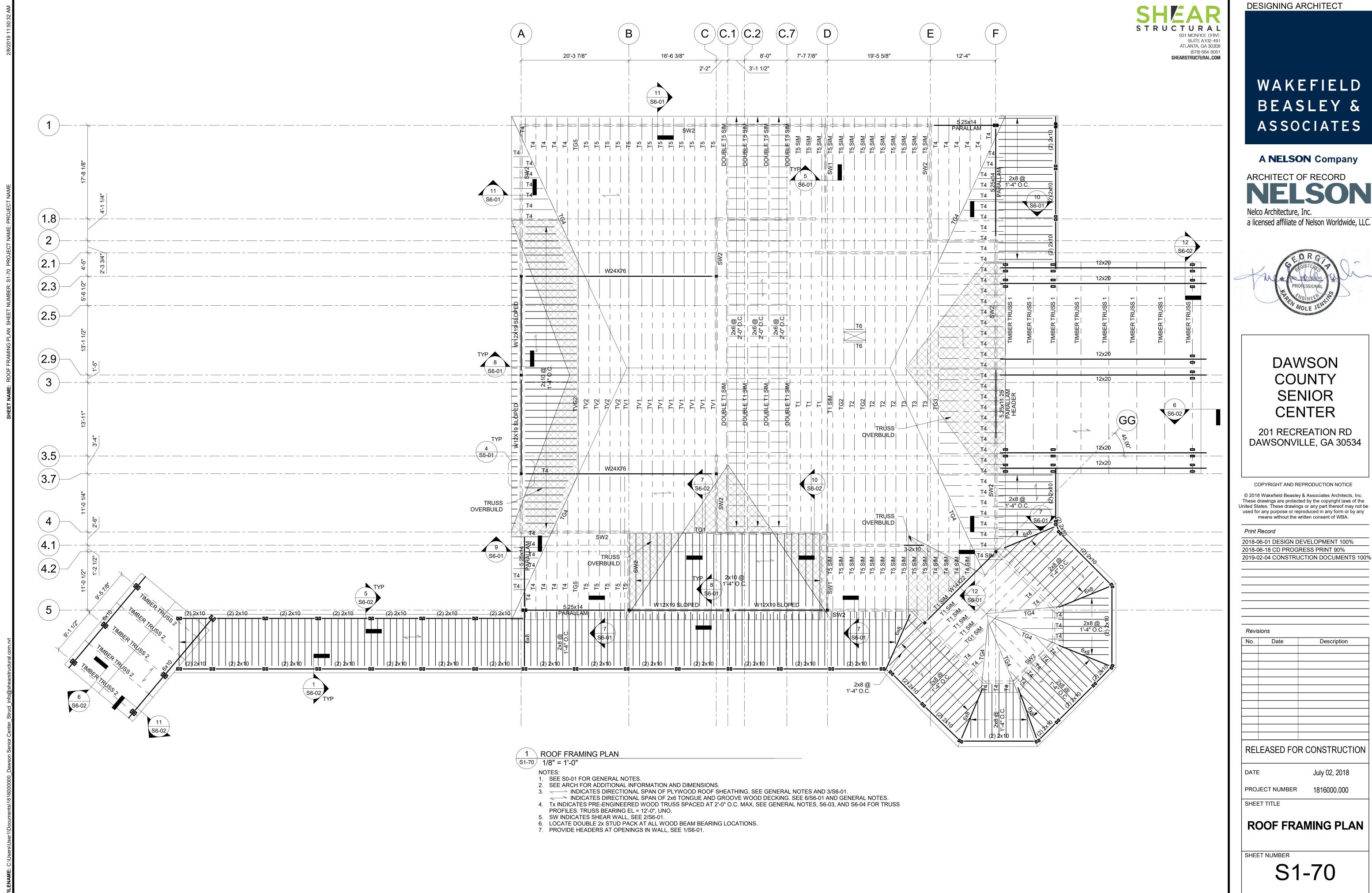
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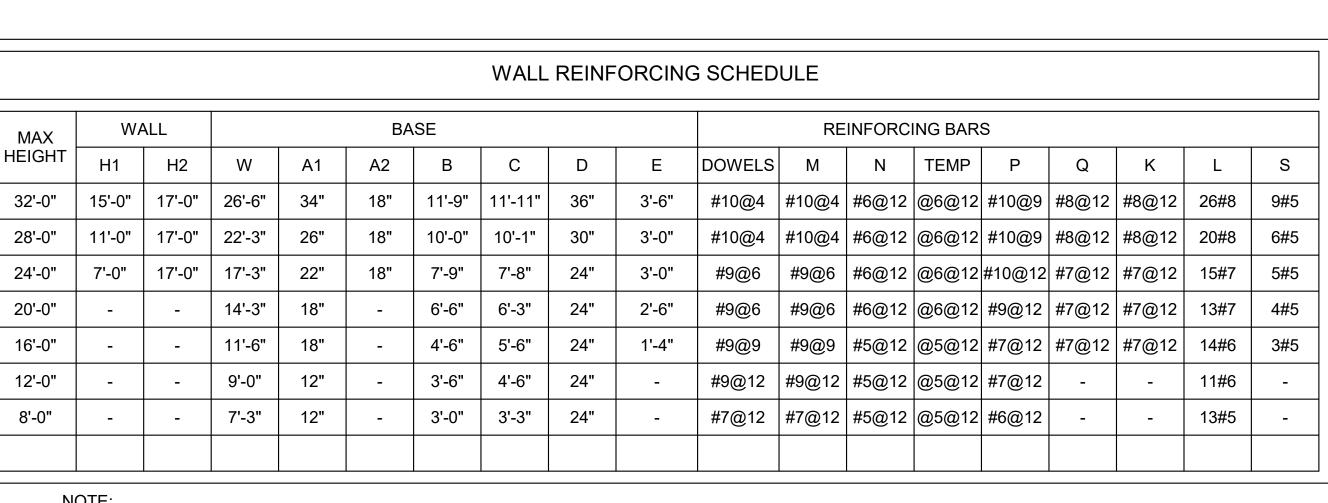
**ENLARGED MECH** PLATFORM FRAMING **PLAN** 

S1-11





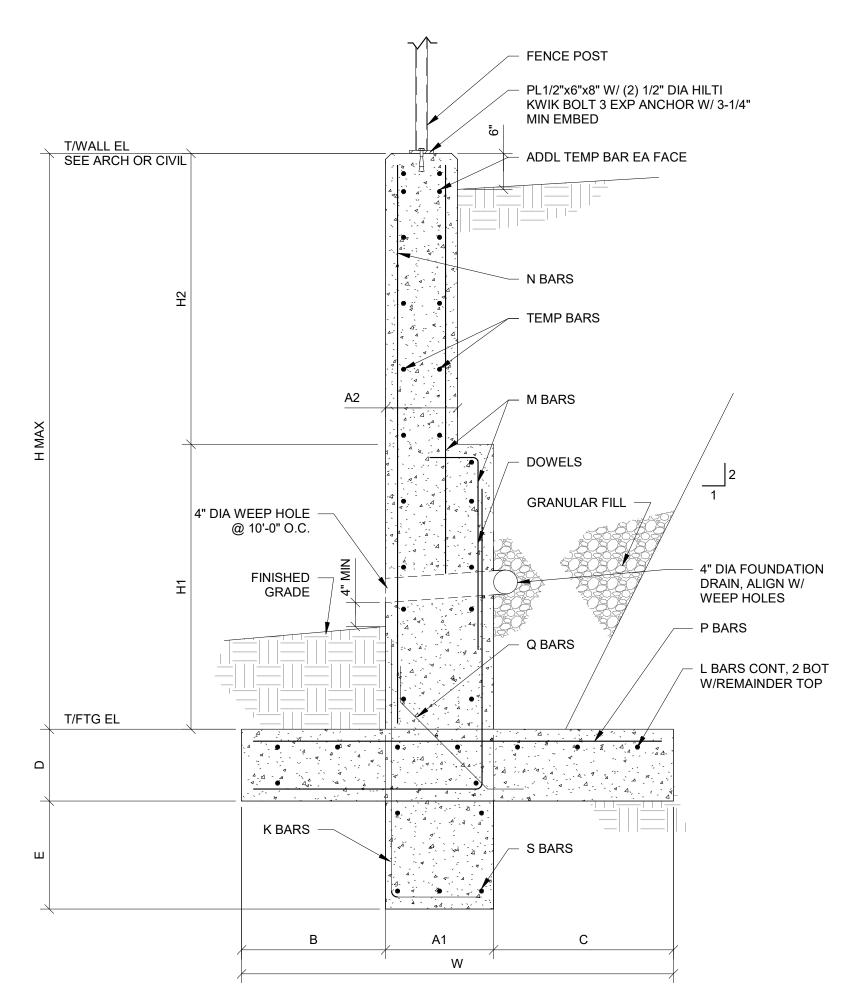
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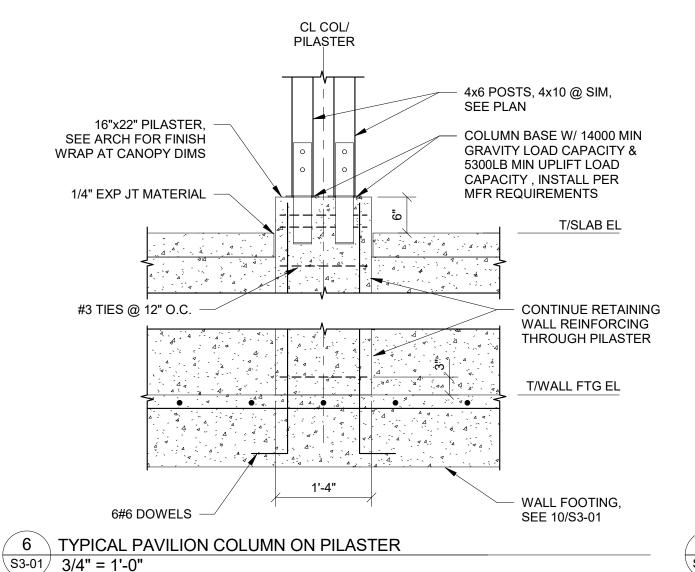


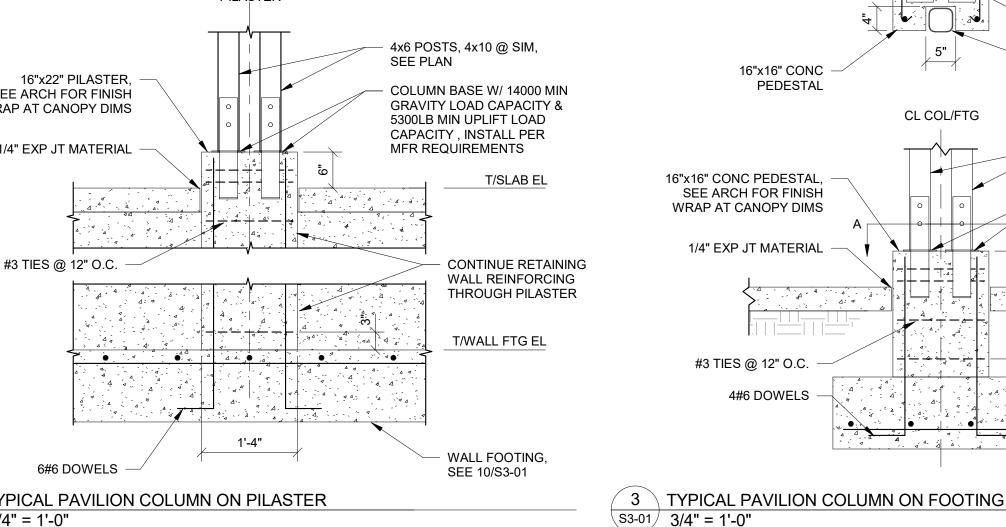
FOR INFORMATION NOT SHOWN, SEE ARCH AND CIVIL

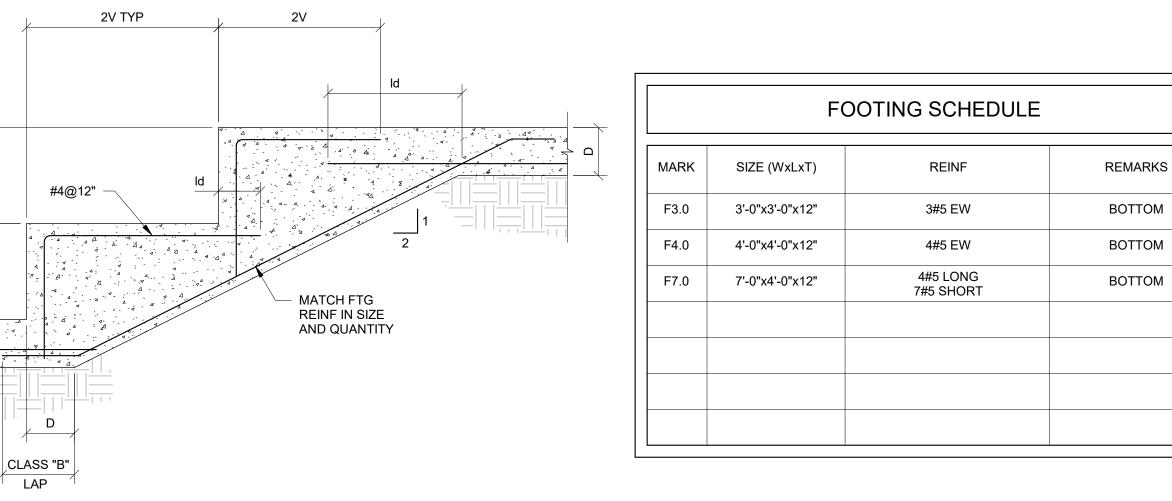
10 TYPICAL RETAINING WALL

\s3-01/ 3/4" = 1'-0"









2 FOOTING SCHEDULE

S3-01 3/4" = 1'-0"

4#6 DOWELS

#3 TIES @

12" O.C.

CL COL/FTG

 $\top$ 

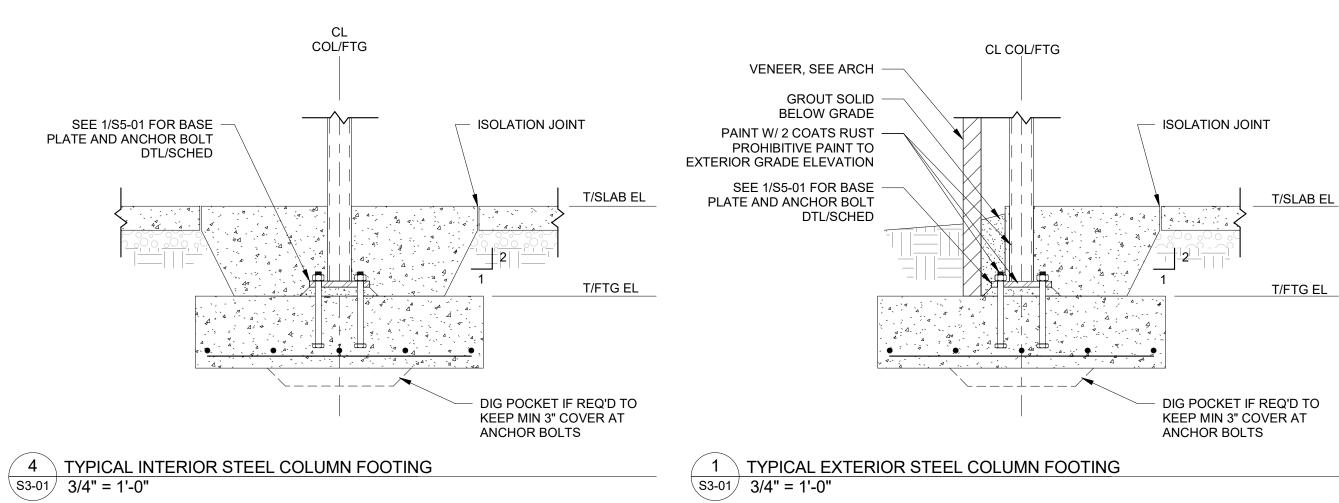
4----

5	TYPICAL STEPPED FOOTING
S3-01	3/4" = 1'-0"

T/FTG EL

T/FTG EL

T/FTG EL



1 TYPICAL EXTERIOR STEEL COLUMN FOOTING S3-01 3/4" = 1'-0"

**DESIGNING ARCHITECT** 

STRUCTURAL

WOOD POST.

DOWNSPOUT,

4x6 POSTS, 4x10 @ SIM,

COLUMN BASE W/ 14000 MIN GRAVITY LOAD CAPACITY &

T/SLAB EL

T/FTG EL

5300LB MIN UPLIFT LOAD CAPACITY, INSTALL PER

MFR REQUIREMENTS

SEE PLAN

SEE ARCH

SEE PLAN

SEE FOOTING

SCHEDULE FOR REINF

931 MONROE DRIVE

ATLANTA, GA 30308 (678) 664-8051

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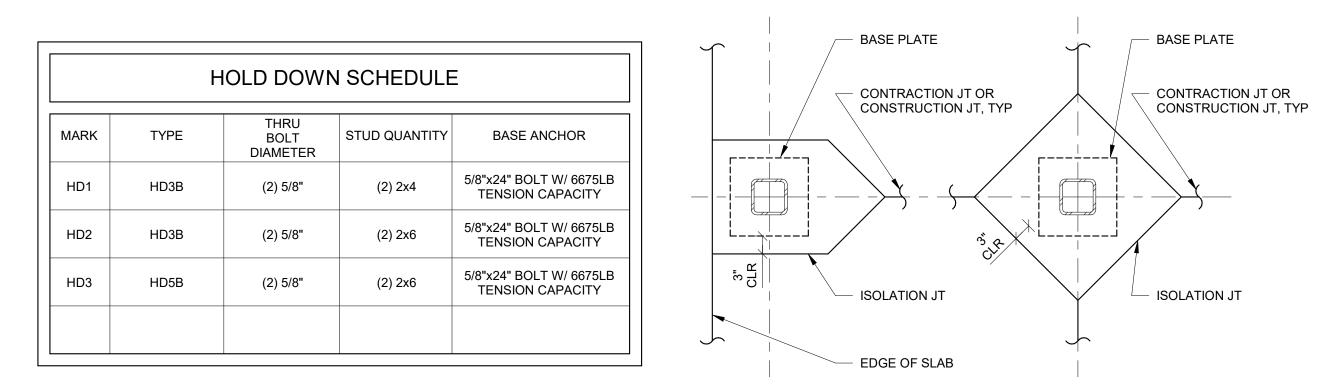
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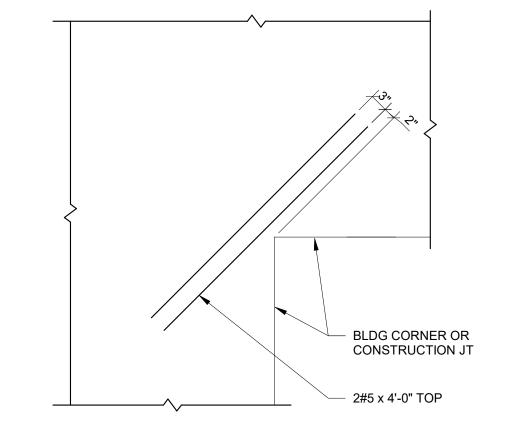
> **FOUNDATION DETAILS**

SHEET NUMBER

S3-01

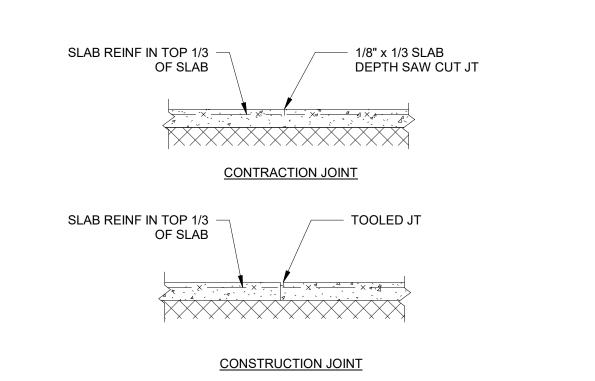






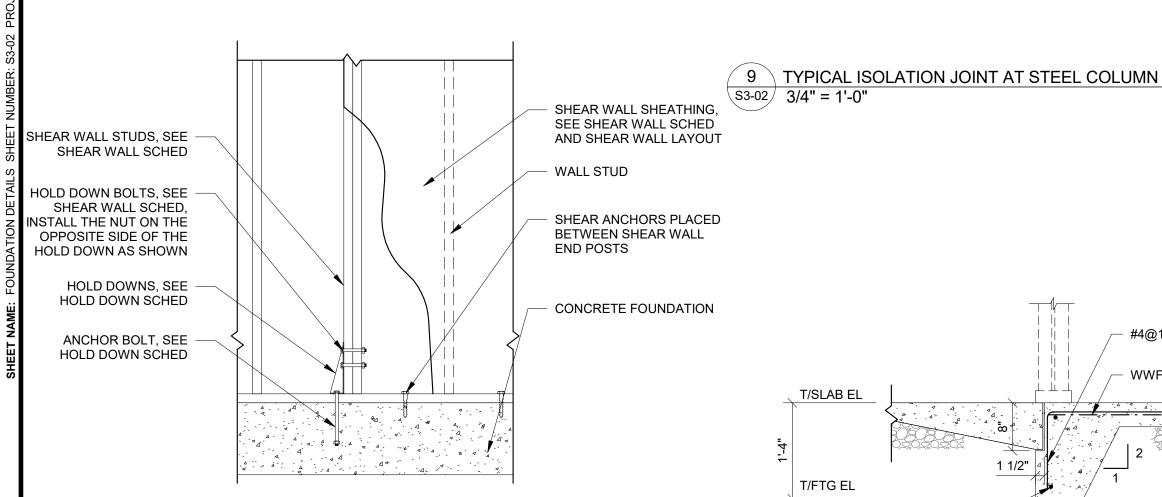
6 \ TYPICAL REINFORCEMENT AT SLAB RE-ENTRANT CORNER

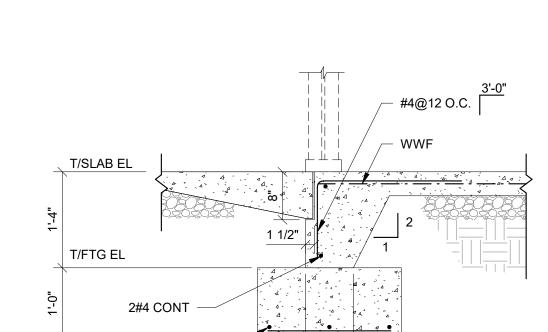
S3-02 3/4" = 1'-0"



NOTE: SAW CUT OR DISCONTINUE REINF AT CONTRACTION JT.

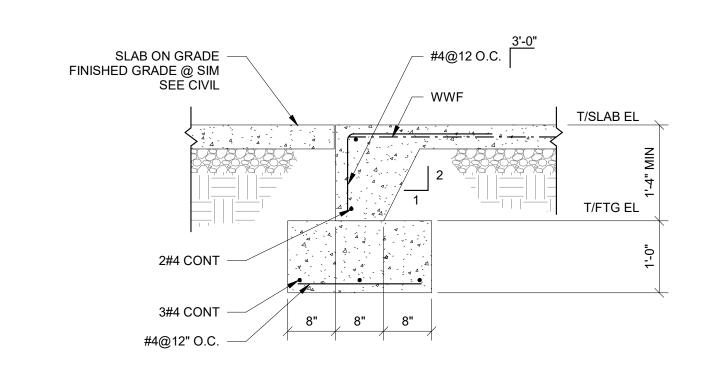
3 TYPICAL GRADE SUPPORTED SLAB AT JOINTS S3-02 3/4" = 1'-0"

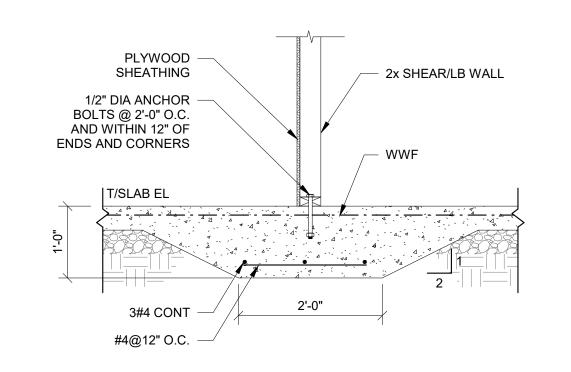


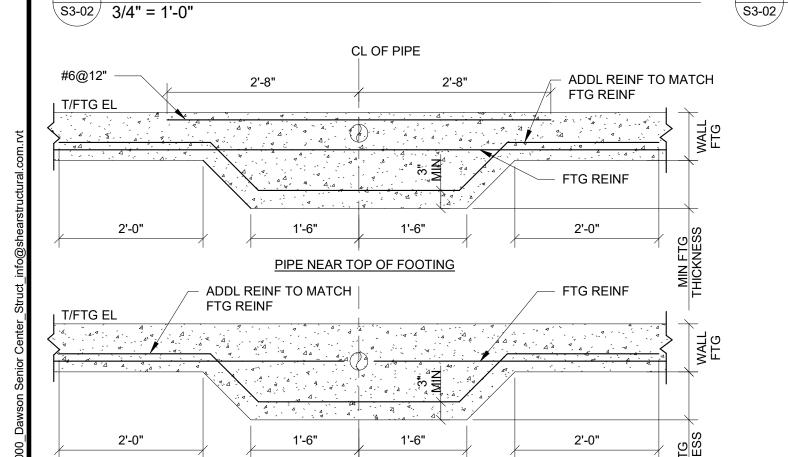


8 TYPICAL TURNDOWN SLAB AT STOREFRONT

S3-02 3/4" = 1'-0"







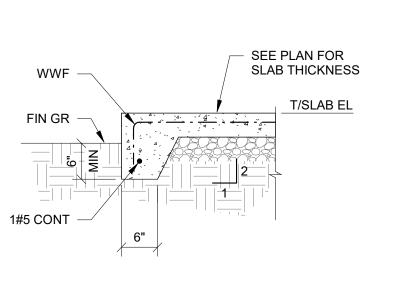
PIPE AT BOTTOM OF FOOTING

10 TYPICAL THICKENED FOOTING AT UNDERGROUND PIPING

S3-02 3/4" = 1'-0"

2'-8"

11 SHEAR WALL HOLD DOWN DETAIL AND SCHEDULE



7 TYPICAL TURNDOWN SLAB
3/4" = 1'-0"

#### 5 TYPICAL TURNDOWN SLAB ON FOOTING S3-02 3/4" = 1'-0"

SIZE (WxT)

MARK

	SWF1	2'-0"x1'-0"	3#4 CONT. #4@12" O.C. SHORT	воттом
Fil	EXTEI S GR BELG SLAB	SEE ARCH  RIOR WALL SHEATHING OUT SOLID OW GRADE ON GRADE ADE @ SIM SEE CIVIL	4'-0" O.C.	NCHOR BOLTS @ AND WITHIN 12" OF D CORNERS 3'-0"
		2#4 CONT		1-0"
		3#4 CONT	8" 8" 8"	<del></del>

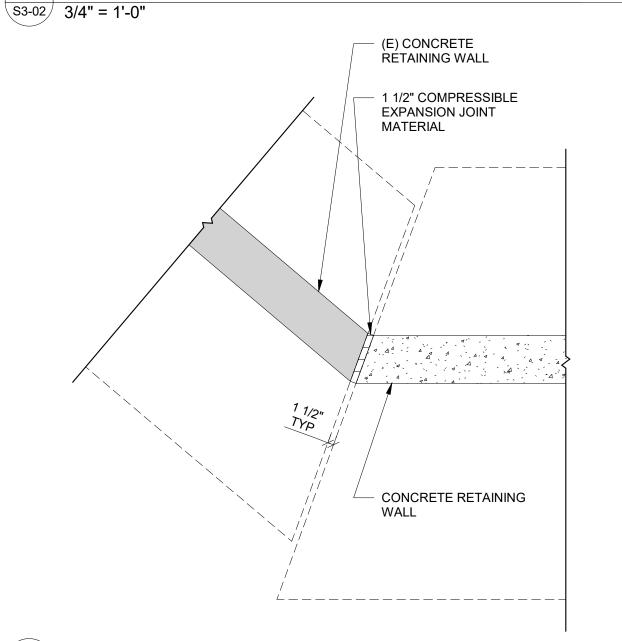
SHEAR WALL FOOTING SCHEDULE

**REINF** 

REMARKS

#4@12" O.C. 4 TYPICAL TURN DOWN SLAB ON FOOTING AT SHEAR WALL \$3-02 3/4" = 1'-0"

2 TYPICAL THICKENED SLAB AT INTERIOR LOAD BEARING WALLS



1 TYPICAL CONCRETE WALL AT EXISTING CONCRETE WALL 1/2" = 1'-0"

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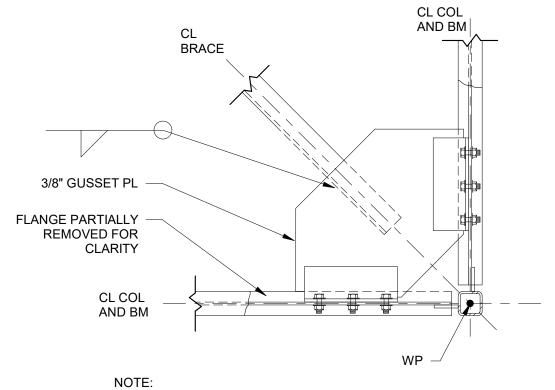
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PROJECT NUMBER 1816000.000 SHEET TITLE

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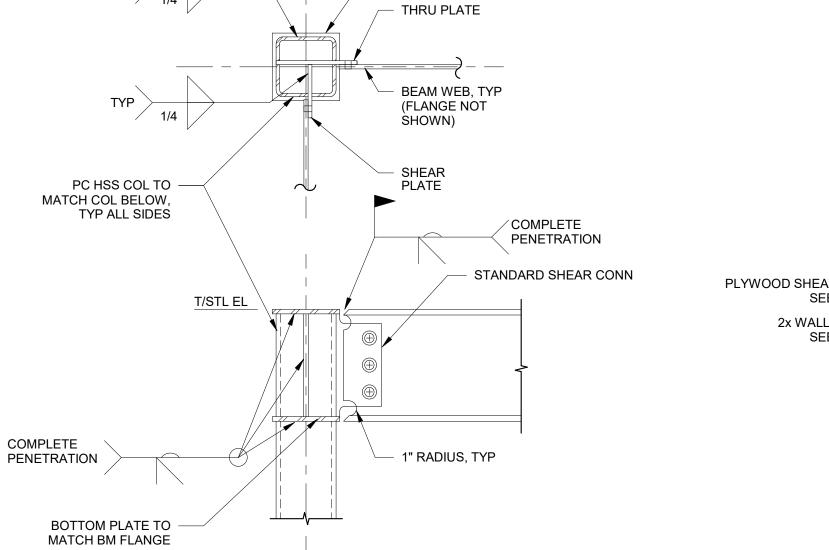
S3-02





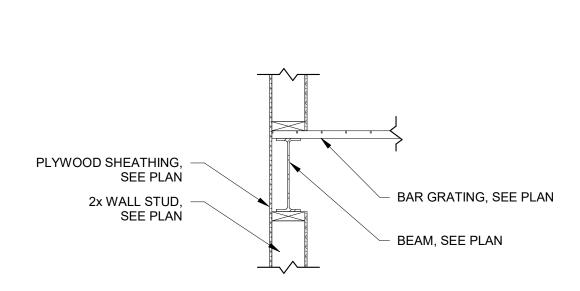
1. SEE PLAN FOR COLUMN ORIENTATION
2. GUSSET PL, BOLTS, AND WELD TO BE SIZED BY SUPPLIER

3 TYPICAL HORIZONTAL BRACE AT COLUMN S5-01 3/4" = 1'-0"

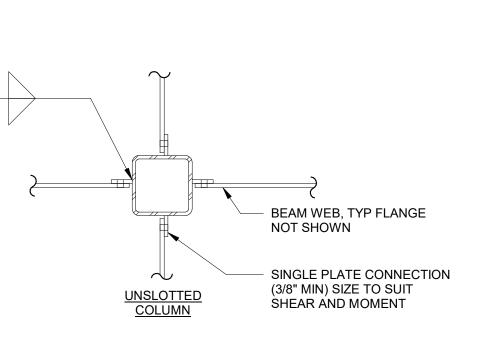


CAP PLATE, TO MATCH BM

FLANGE



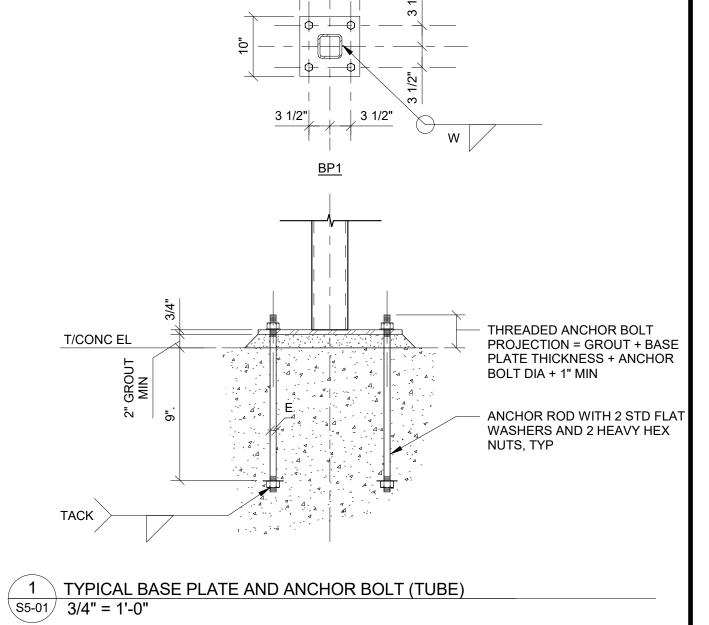
2 TYPICAL GRATING AT EDGE 3/4" = 1'-0"



NOTE: CLOSE COLUMN WITH 1/2" CAP PLATE, TYP

5 TYPICAL TUBE COLUMN CONNECTIONS (MOMENT CONNECTION) 3/4" = 1'-0"

4 TYPICAL TUBE COLUMN CONNECTIONS
3/4" = 1'-0"



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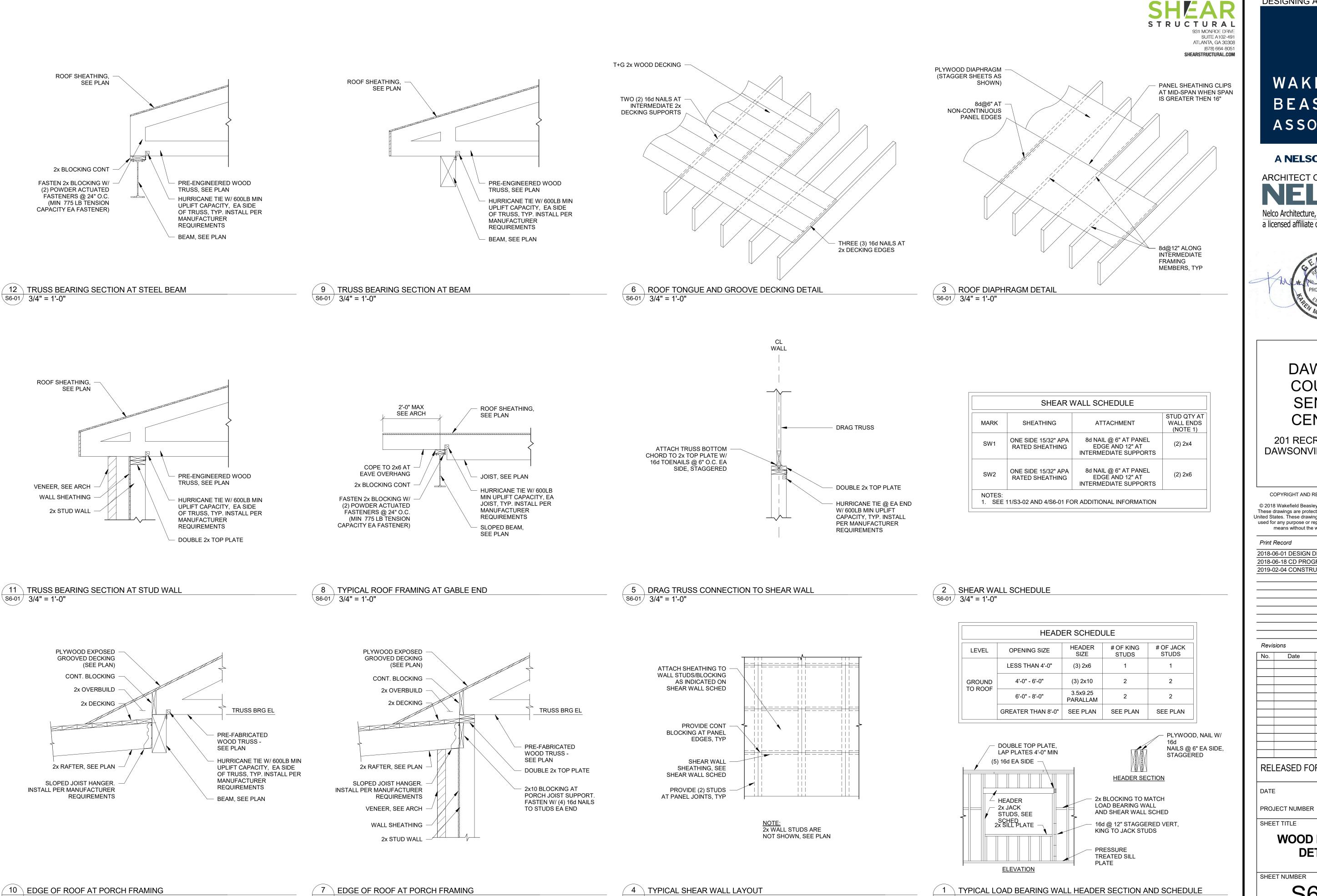
PROJECT NUMBER 1816000.000

STEEL FRAMING DETAILS

SHEET NUMBER

SHEET TITLE

S5-01



S6-01 3/4" = 1'-0"

S6-01 3/4" = 1'-0"

\s6-01/ 3/4" = 1'-0"

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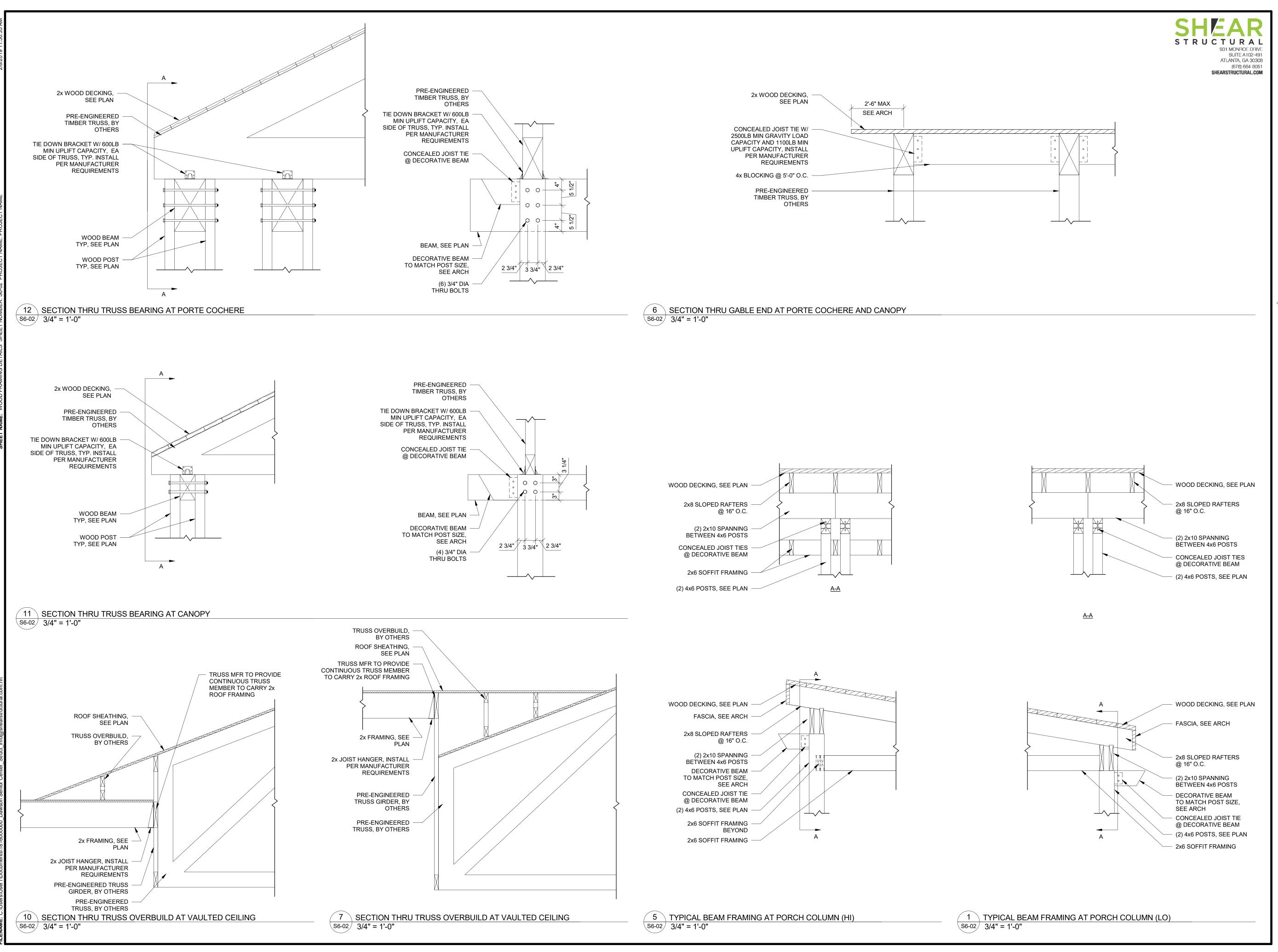
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SHEET TITLE

**WOOD FRAMING DETAILS** 

SHEET NUMBER

S6-01 3/4" = 1'-0"



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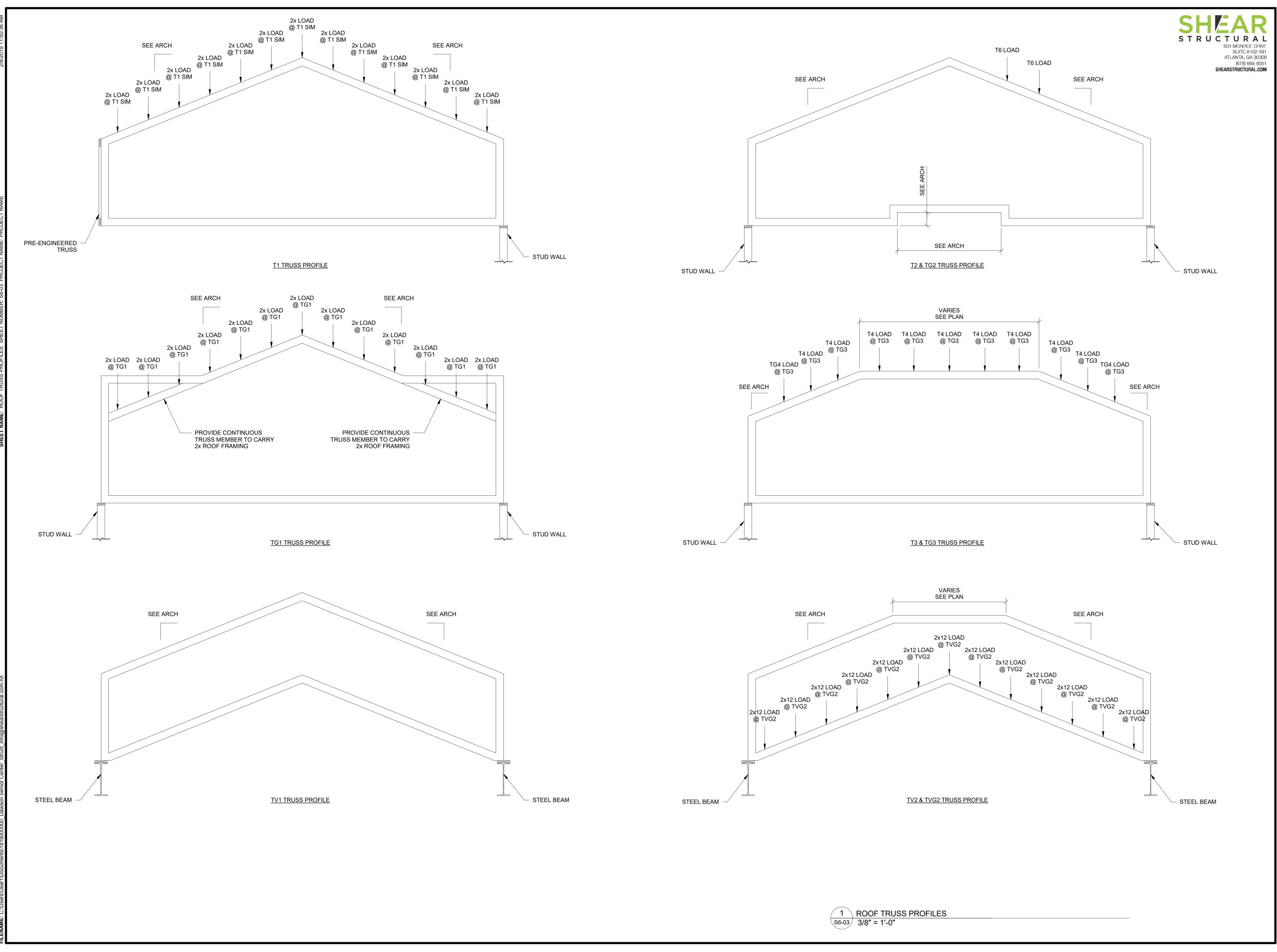
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WOOD FRAMING DETAILS

SHEET NUMBER



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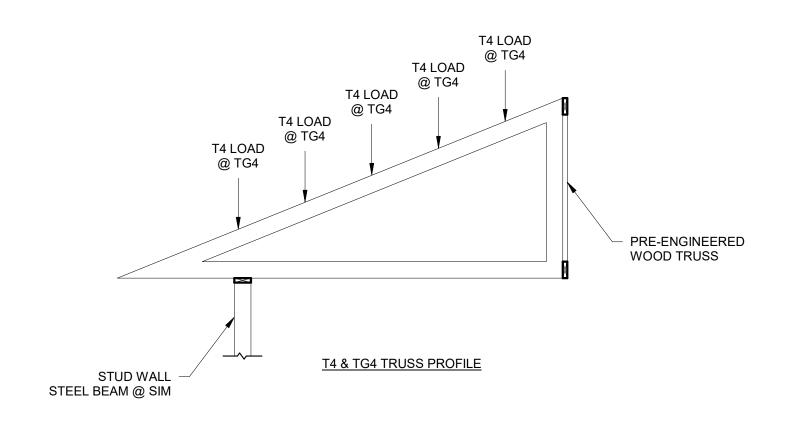
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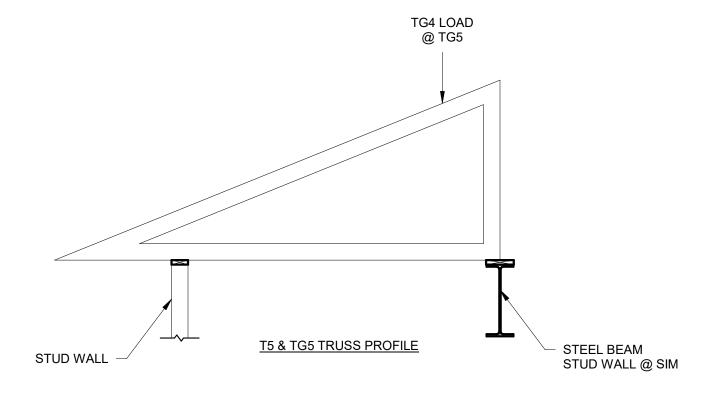
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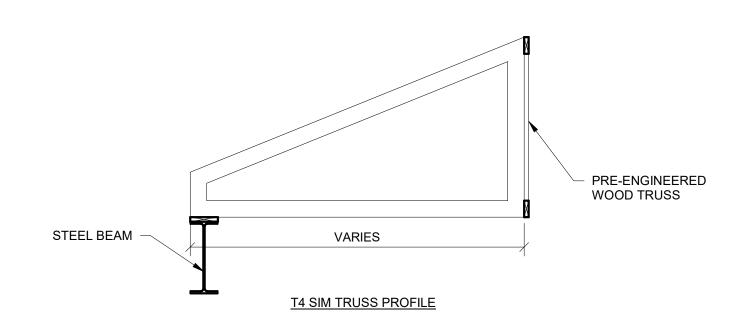
ROOF TRUSS PROFILES

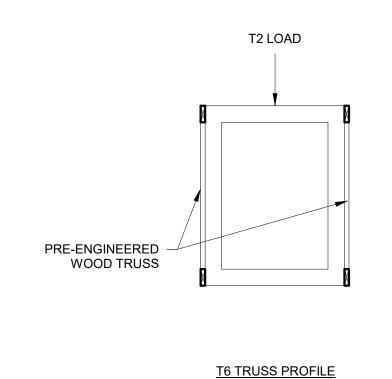
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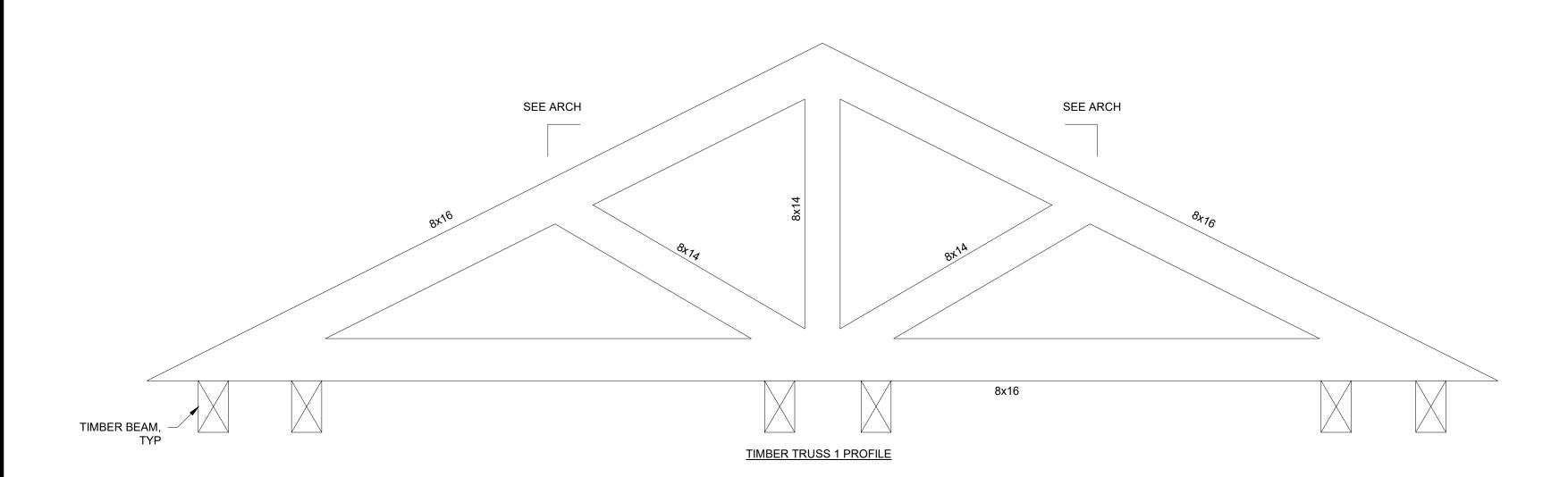


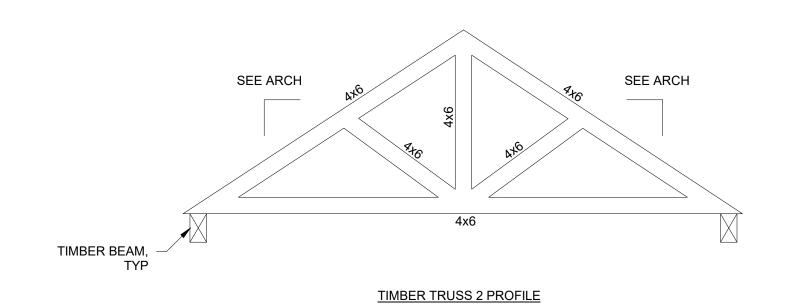












1 ROOF TRUSS PROFILES 3/8" = 1'-0"

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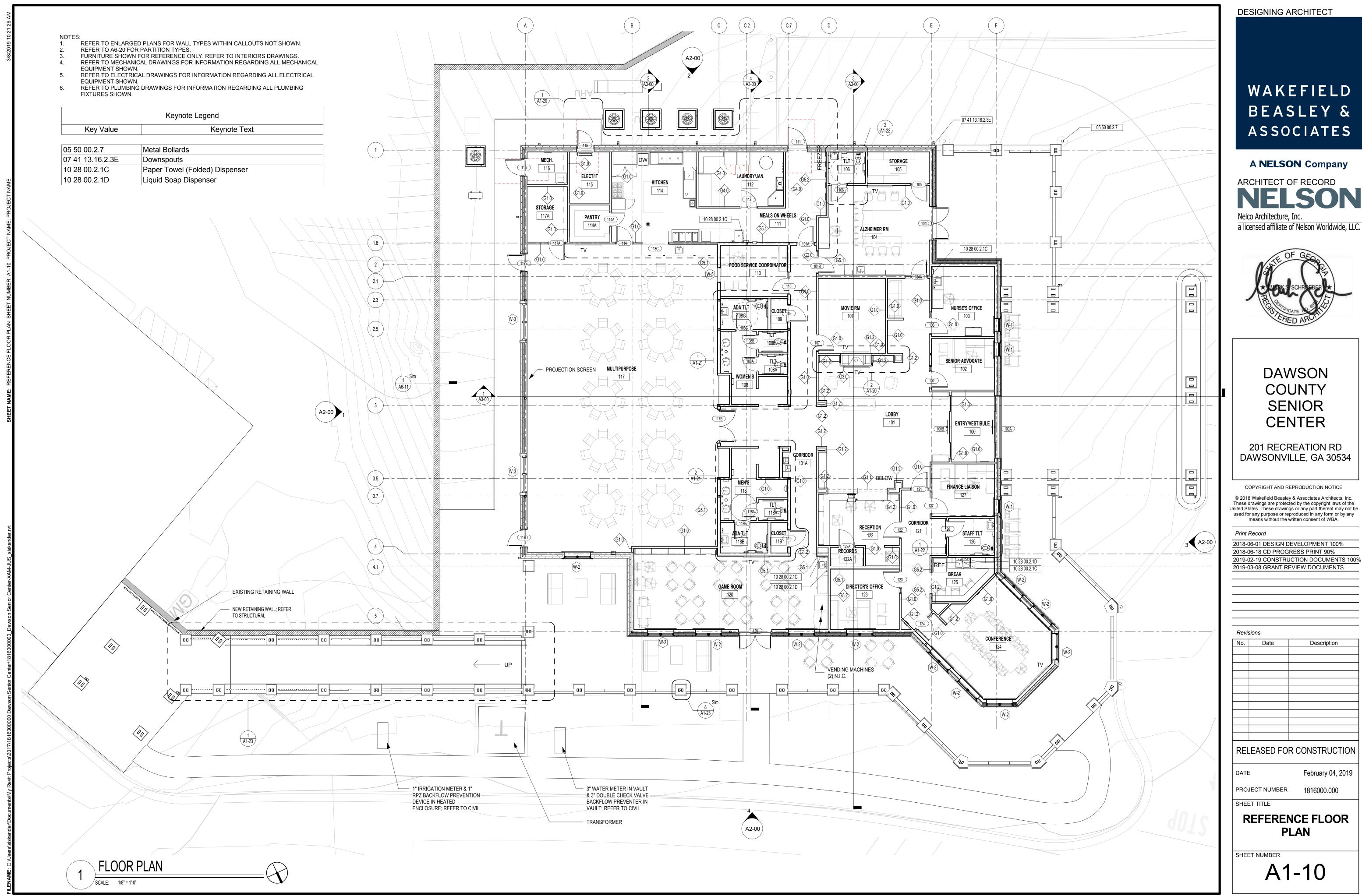
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**ROOF TRUSS PROFILES** 

SHEET NUMBER

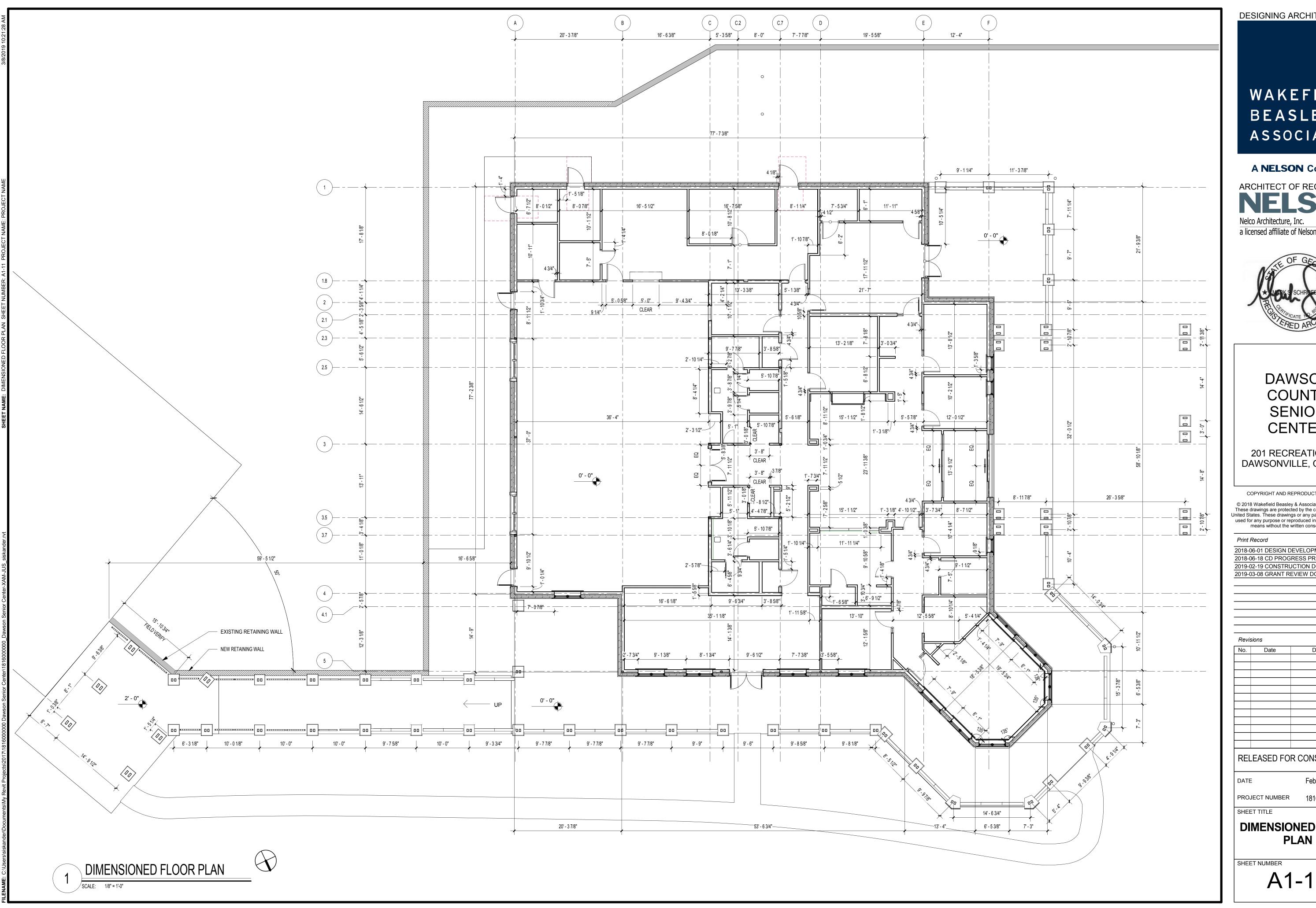


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Description

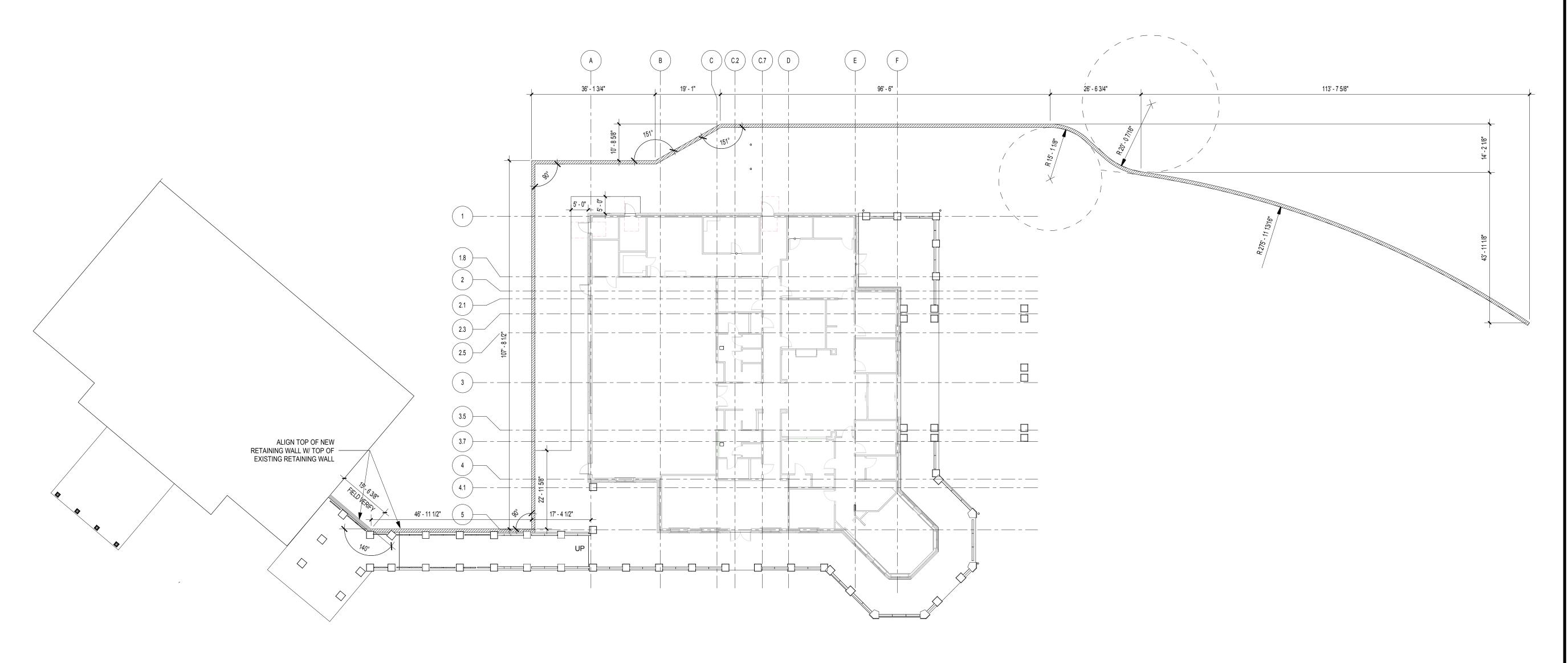
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February 04, 2019

1816000.000

DIMENSIONED FLOOR

NOTE: REFER TO STRUCTURAL FOR FURTHER DETAILS REGARDING RETAINING WALL.



DIMENSIONED PLAN - EXTERIOR ELEMENTS



DESIGNING ARCHITECT

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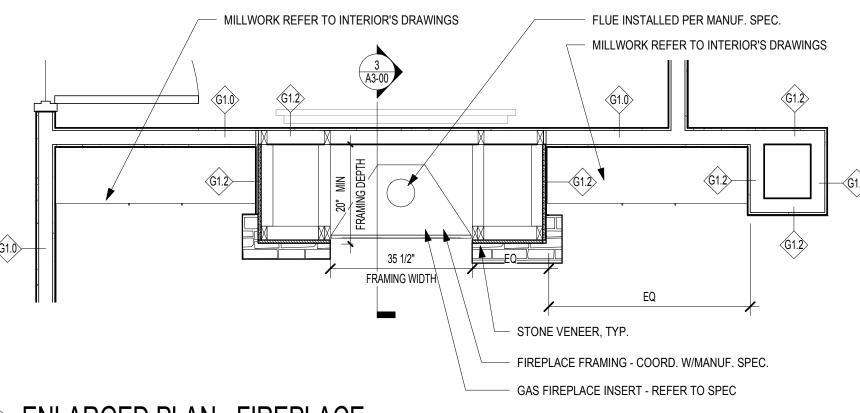
February 04, 2019 DATE

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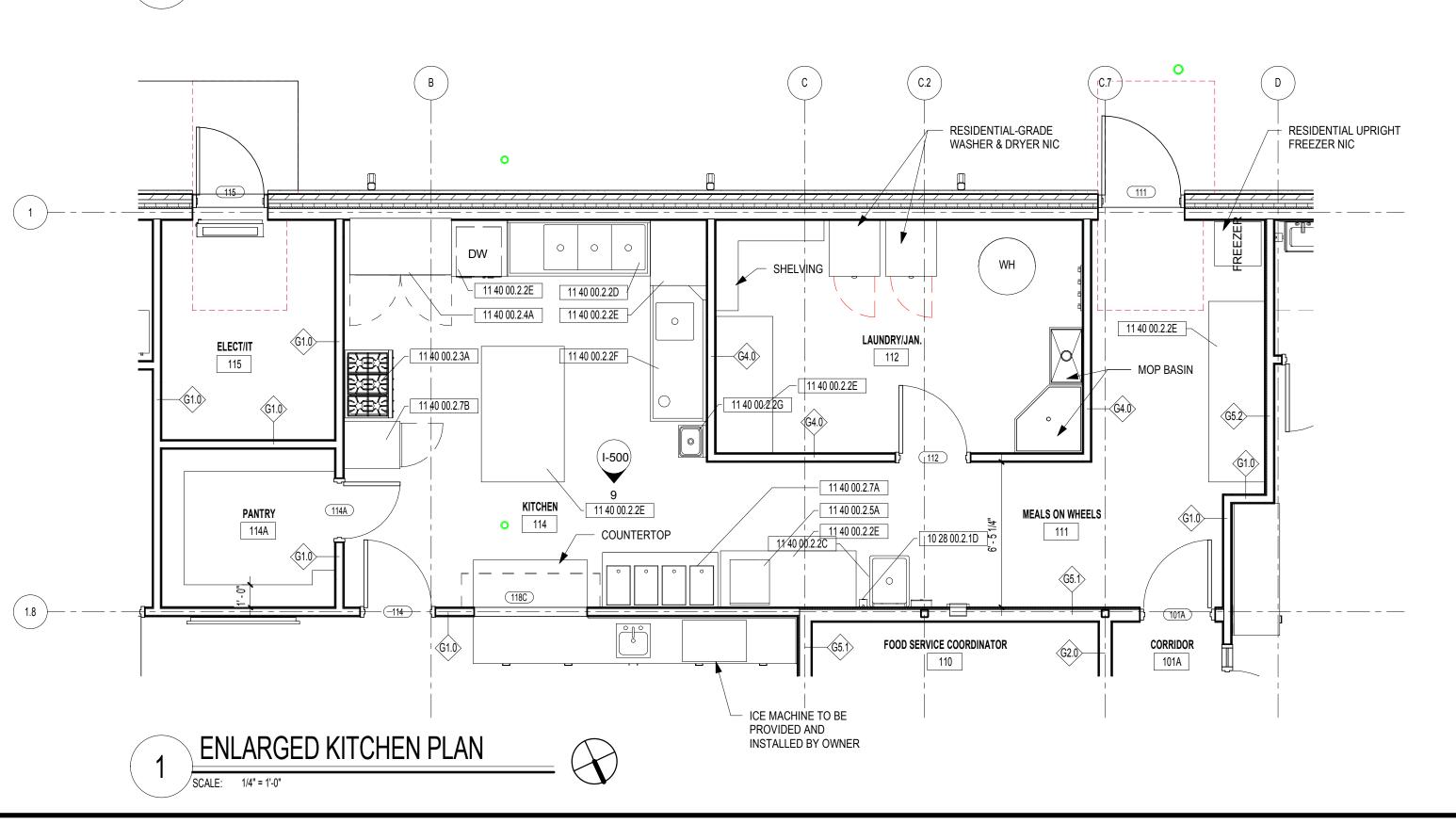
**DIMENSIONED PLAN EXTERIOR ELEMENTS** 

SHEET NUMBER

NOTES: 1. REFER TO A6-20 FOR PARTITION TYPES.



ENLARGED PLAN - FIREPLACE



DESIGNING ARCHITECT

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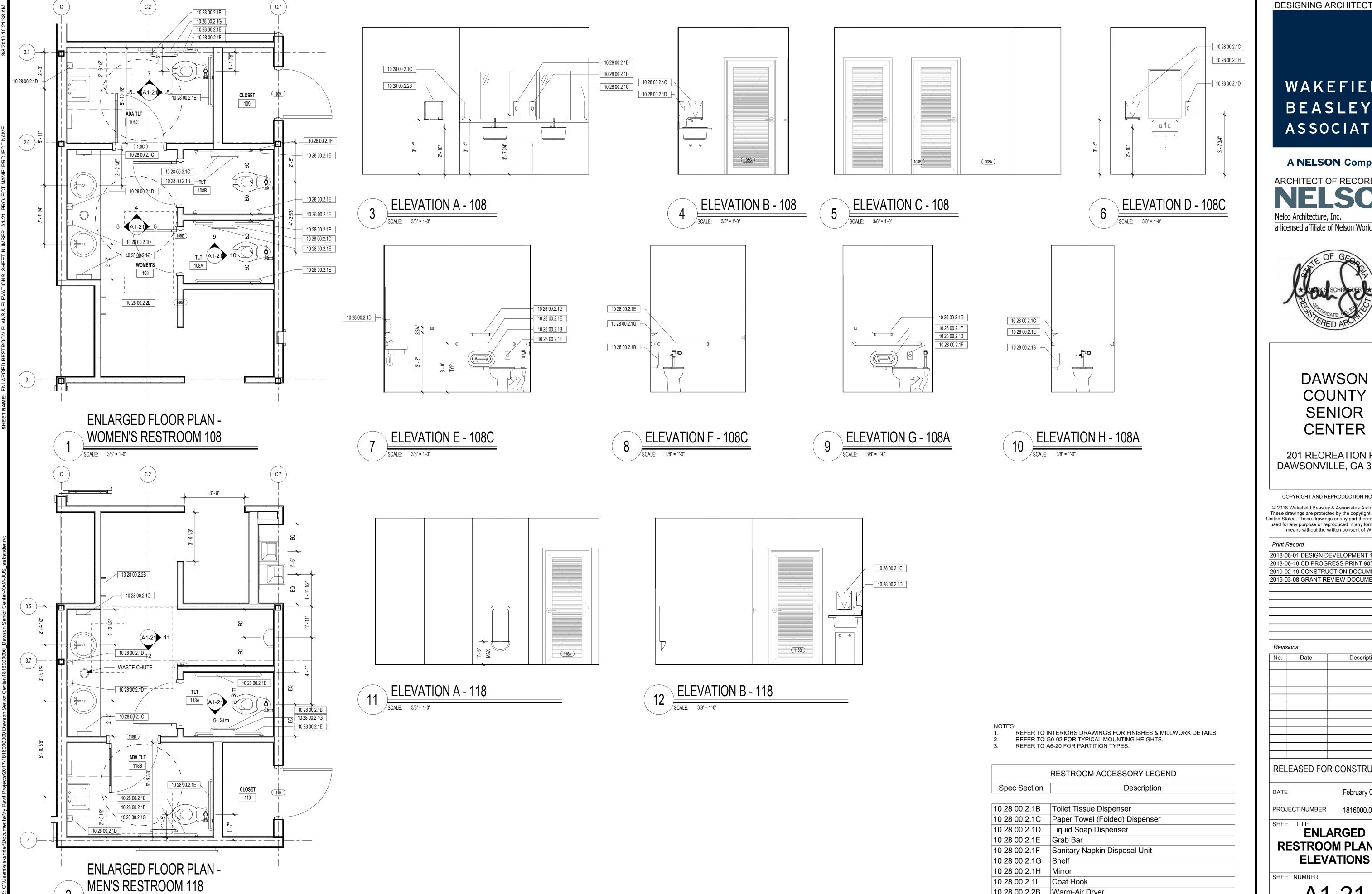
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PROJECT NUMBER 1816000.000

SHEET TITLE

**ENLARGED PLANS** 

SHEET NUMBER



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

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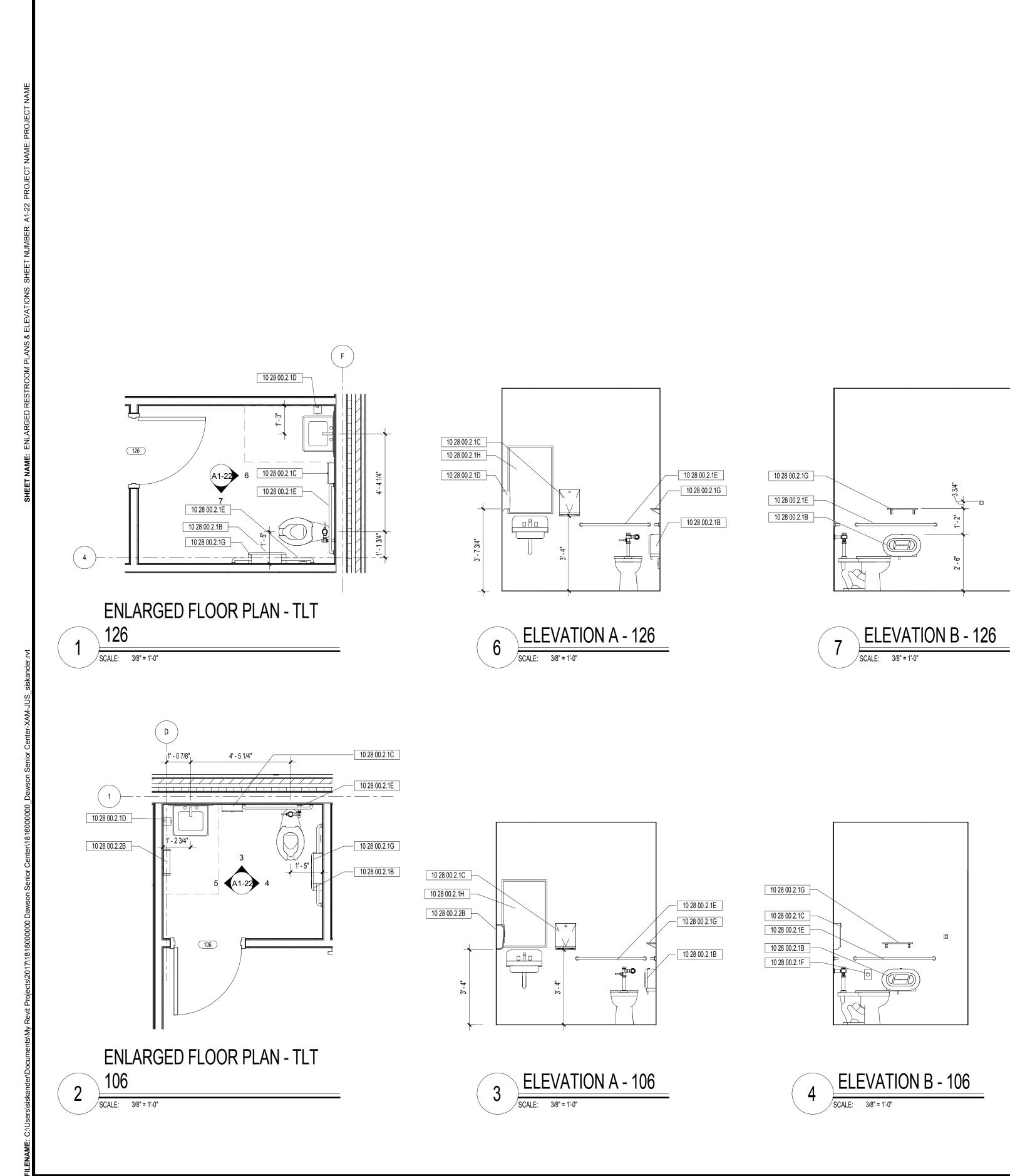
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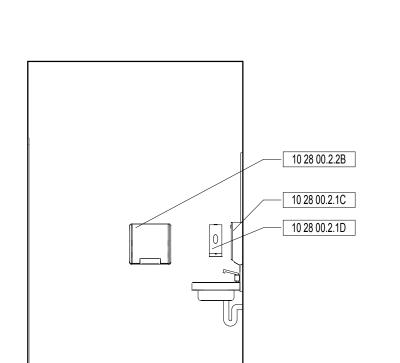
PROJECT NUMBER 1816000.000

**ENLARGED RESTROOM PLANS & ELEVATIONS** 

SHEET NUMBER

10 28 00.2.2B Warm-Air Dryer





5 ELEVATION C - 106

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

REFER TO INTERIORS DRAWINGS FOR FINISHES & MILLWORK DETAILS.
 REFER TO G0-02 FOR TYPICAL MOUNTING HEIGHTS.

3. REFER TO A6-20 FOR PARTITION TYPES.

RESTROOM ACCESSORY LEGEND Spec Section 10 28 00.2.1B Toilet Tissue Dispenser 10 28 00.2.1C Paper Towel (Folded) Dispenser 10 28 00.2.1D Liquid Soap Dispenser 10 28 00.2.1E Grab Bar 10 28 00.2.1F Sanitary Napkin Disposal Unit 10 28 00.2.1G Shelf 10 28 00.2.1H Mirror 10 28 00.2.1I Coat Hook 10 28 00.2.2B Warm-Air Dryer

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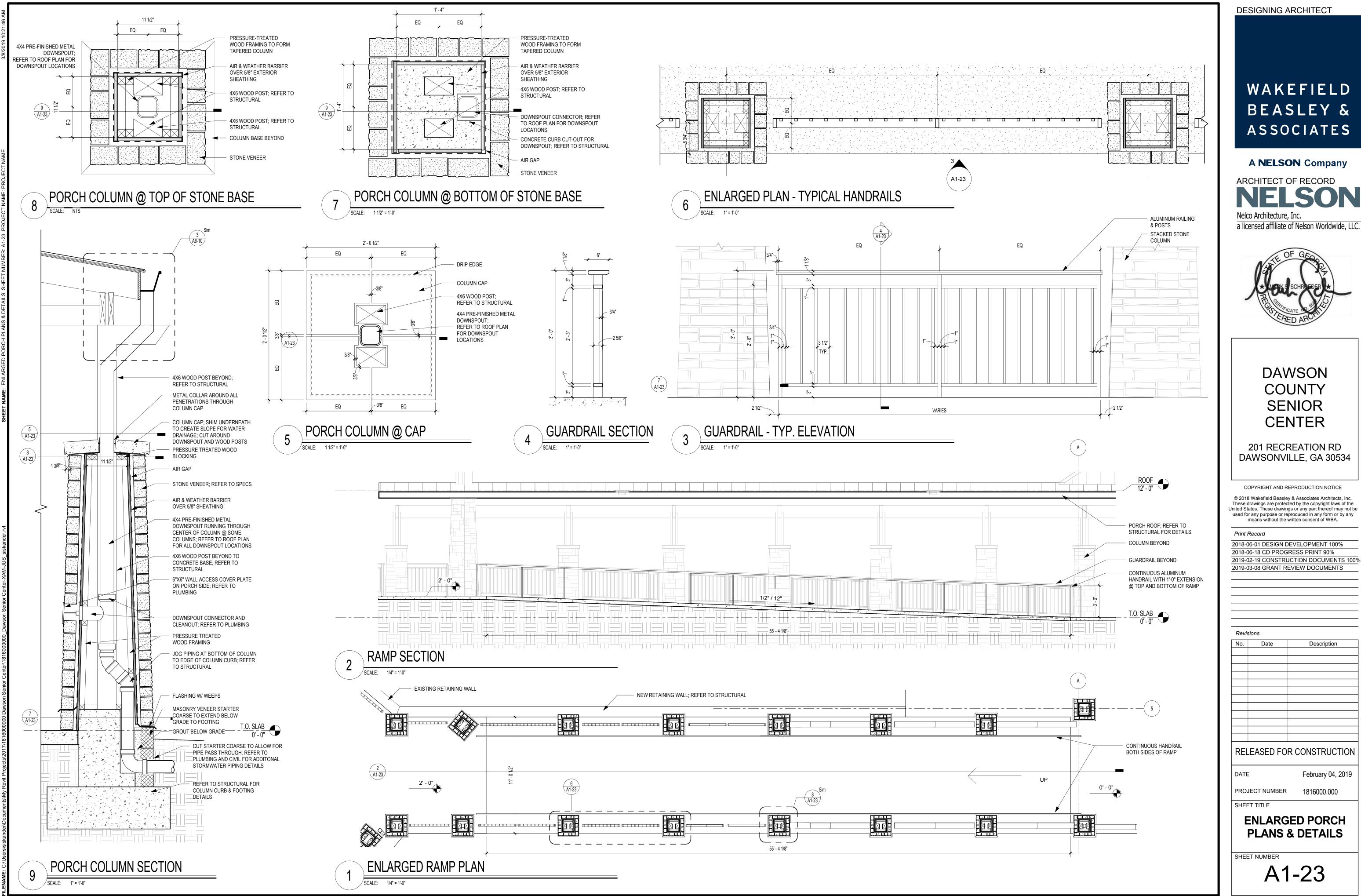
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**ENLARGED RESTROOM PLANS & ELEVATIONS** 



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4X10 WOOD POST; 4X10 WOOD POST; REFER TO STRUCTURAL REFER TO STRUCTURAL EQ 9 1/4" EQ EQ 9 1/4" EQ CAST STONE COLUMN CAP CAST STONE COLUMN CAP 4X6 WOOD POST; REFER TO STRUCTURAL CAST STONE COLUMN CAP STONE VENEER - TO EXTEND BELOW GRADE TO FOOTING ON ALL SIDES WHERE THERE IS NO SLAB STONE VENEER - TO
EXTEND BELOW GRADE TO
FOOTING ON ALL SIDES
WHERE THERE IS NO SLAB STONE VENEER - TO EXTEND BELOW GRADE TO FOOTING ON ALL -SIDES WHERE THERE IS NO SLAB TYPICAL COLUMN PORTE COCHERE COLUMN END PAVILION COLUMN

SCALE: 1/2" = 1'-0"

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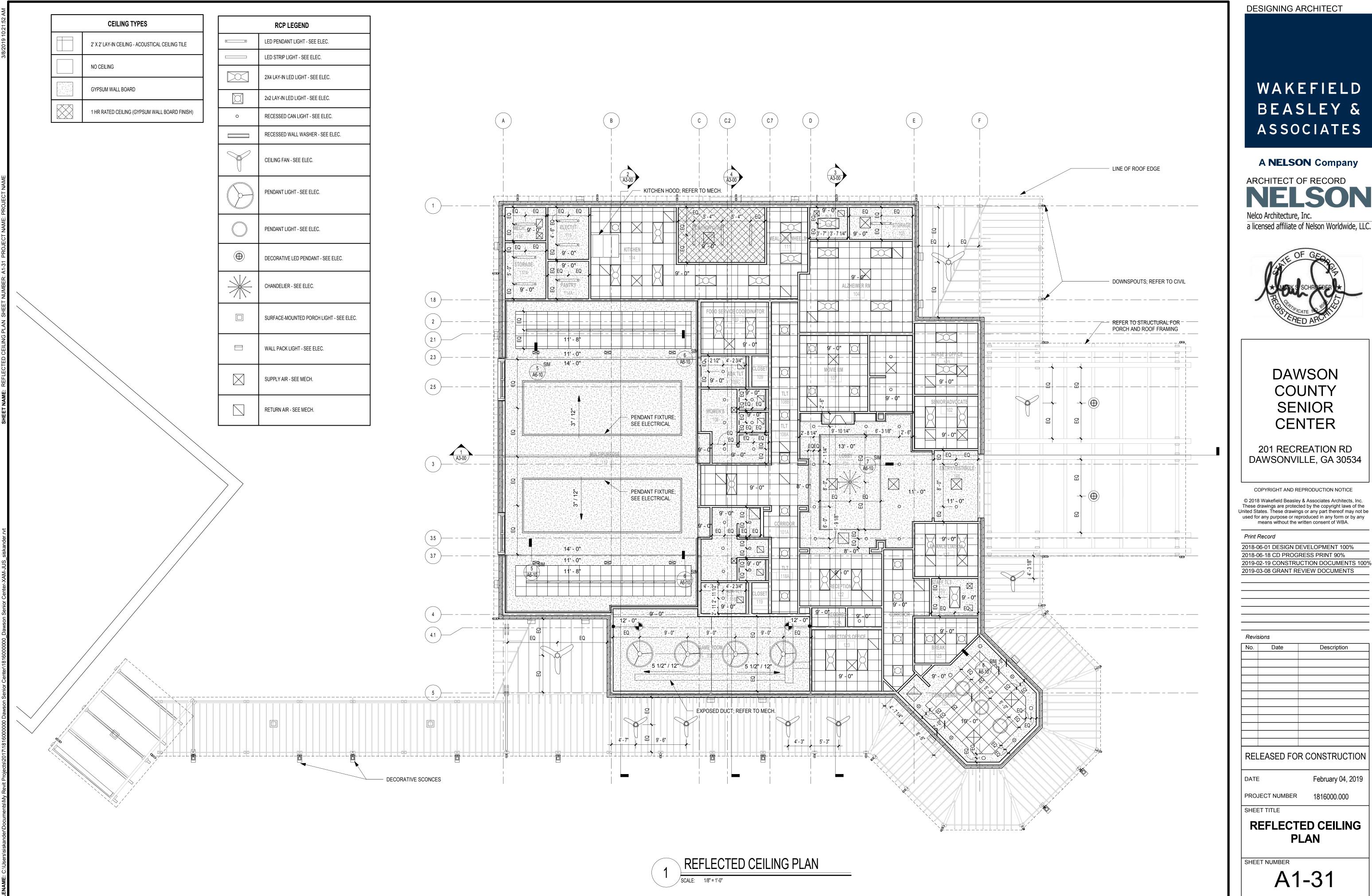
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ENLARGED PORCH PLANS & DETAILS

SHEET NUMBER



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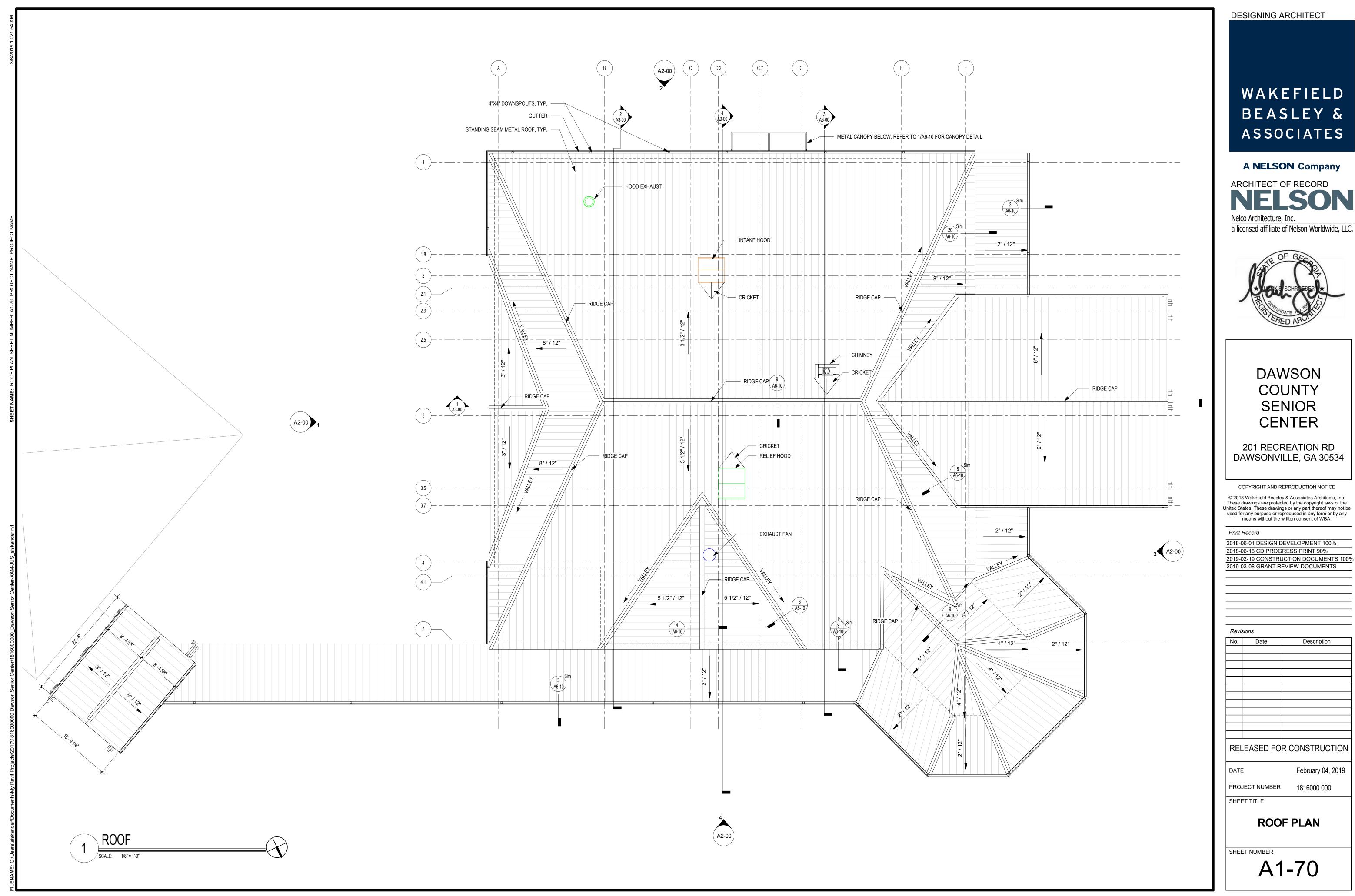
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**REFLECTED CEILING PLAN** 

SHEET NUMBER

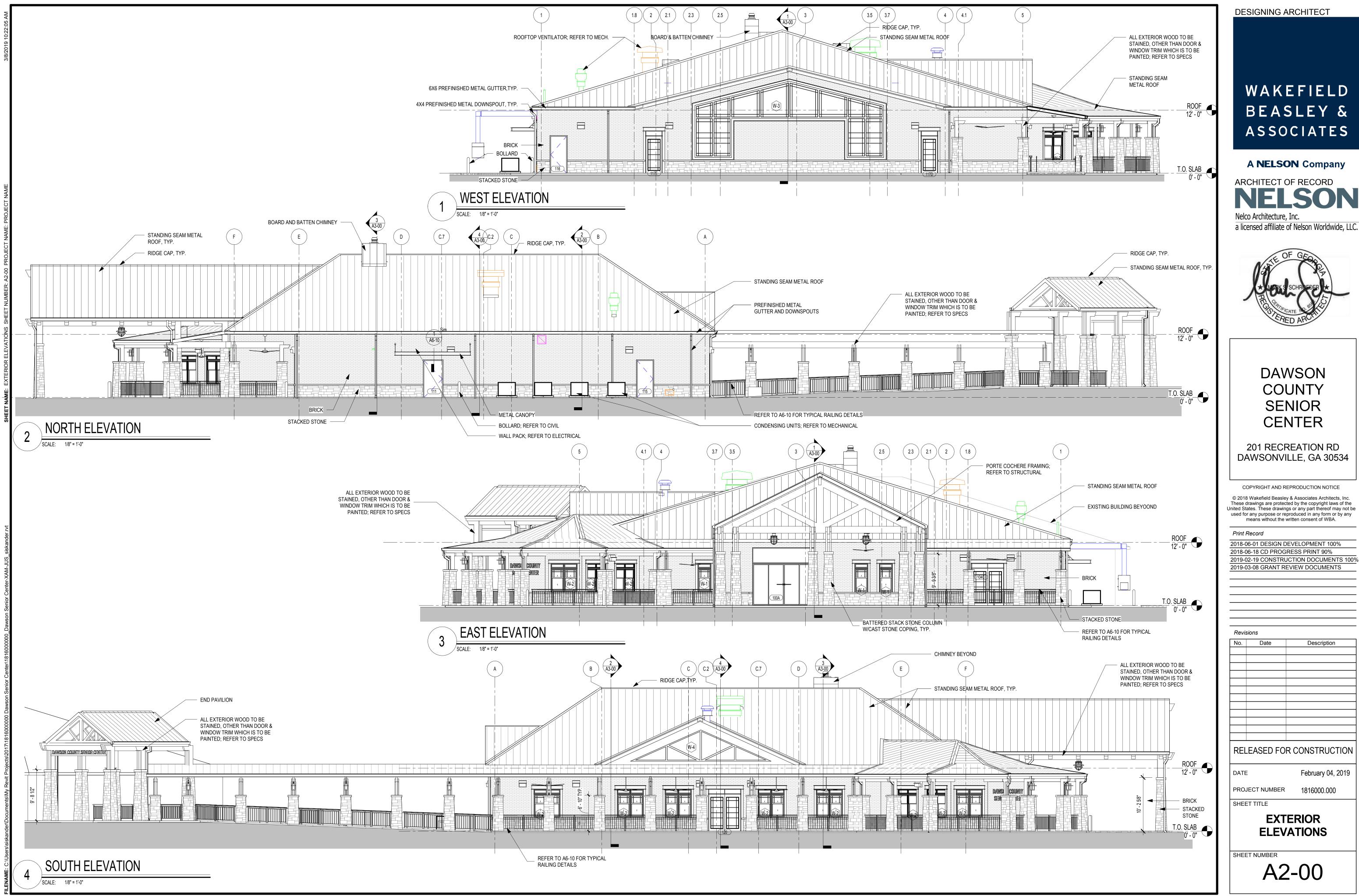




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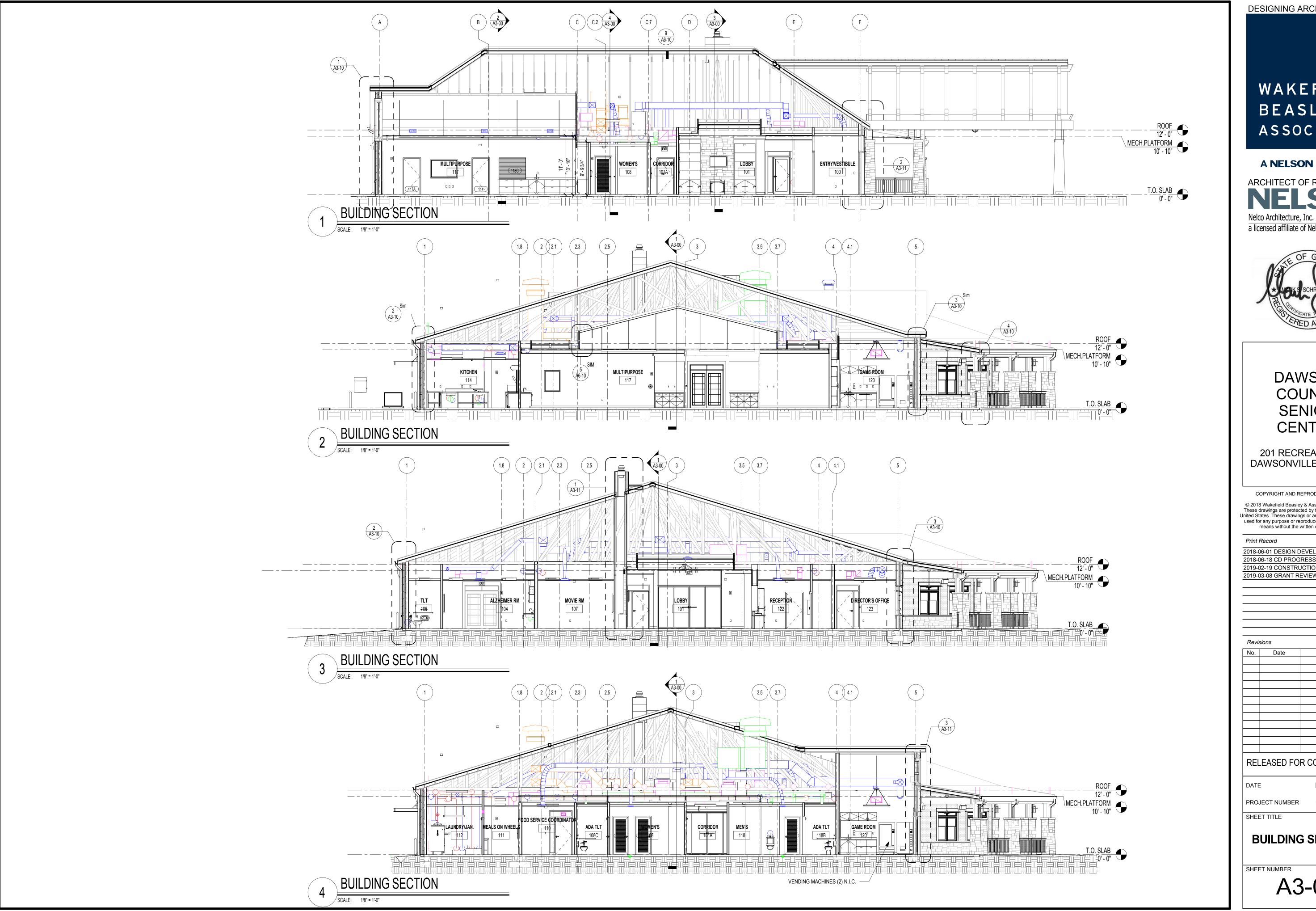
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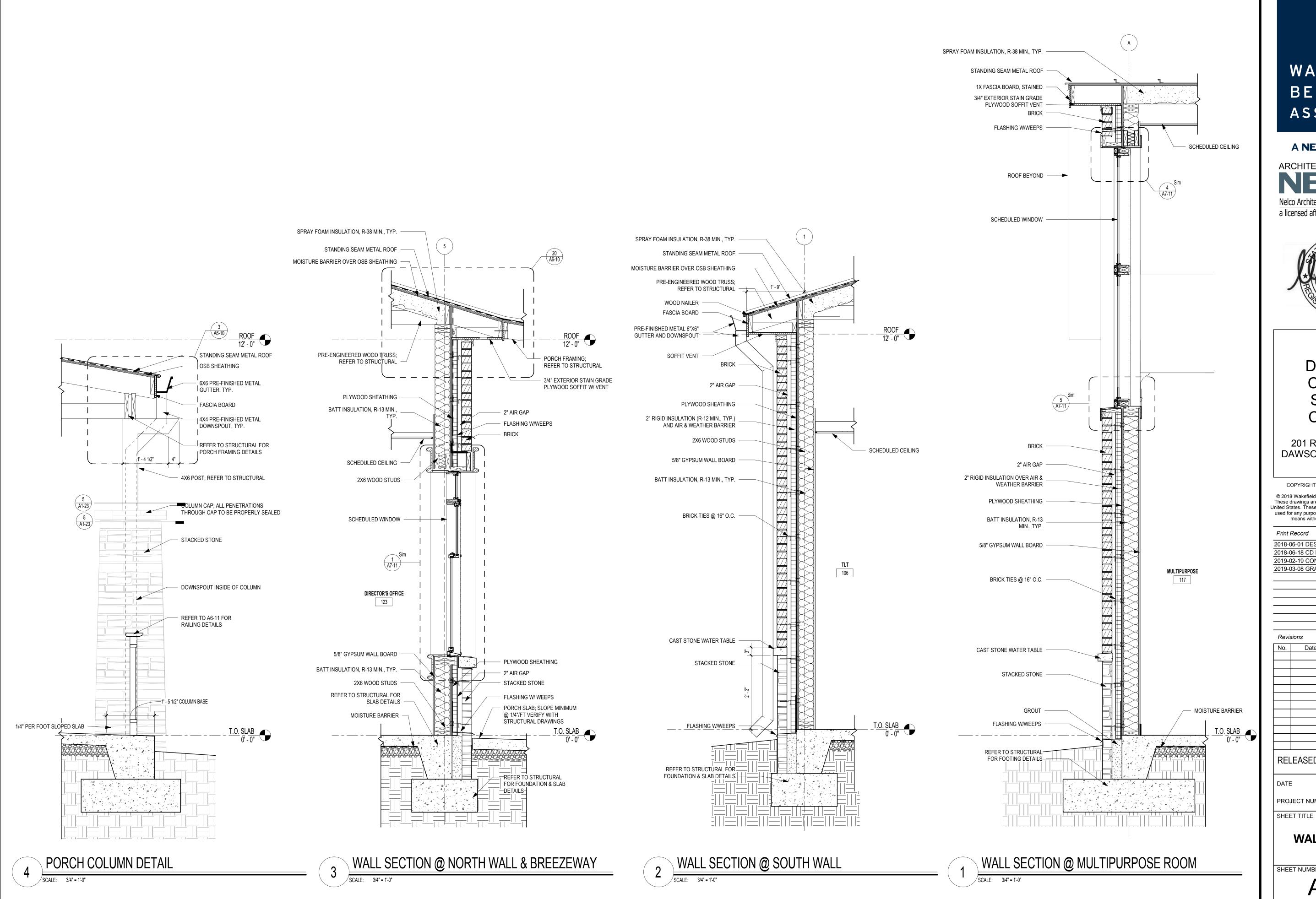
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SHEET TITLE

**BUILDING SECTIONS** 

A3-00



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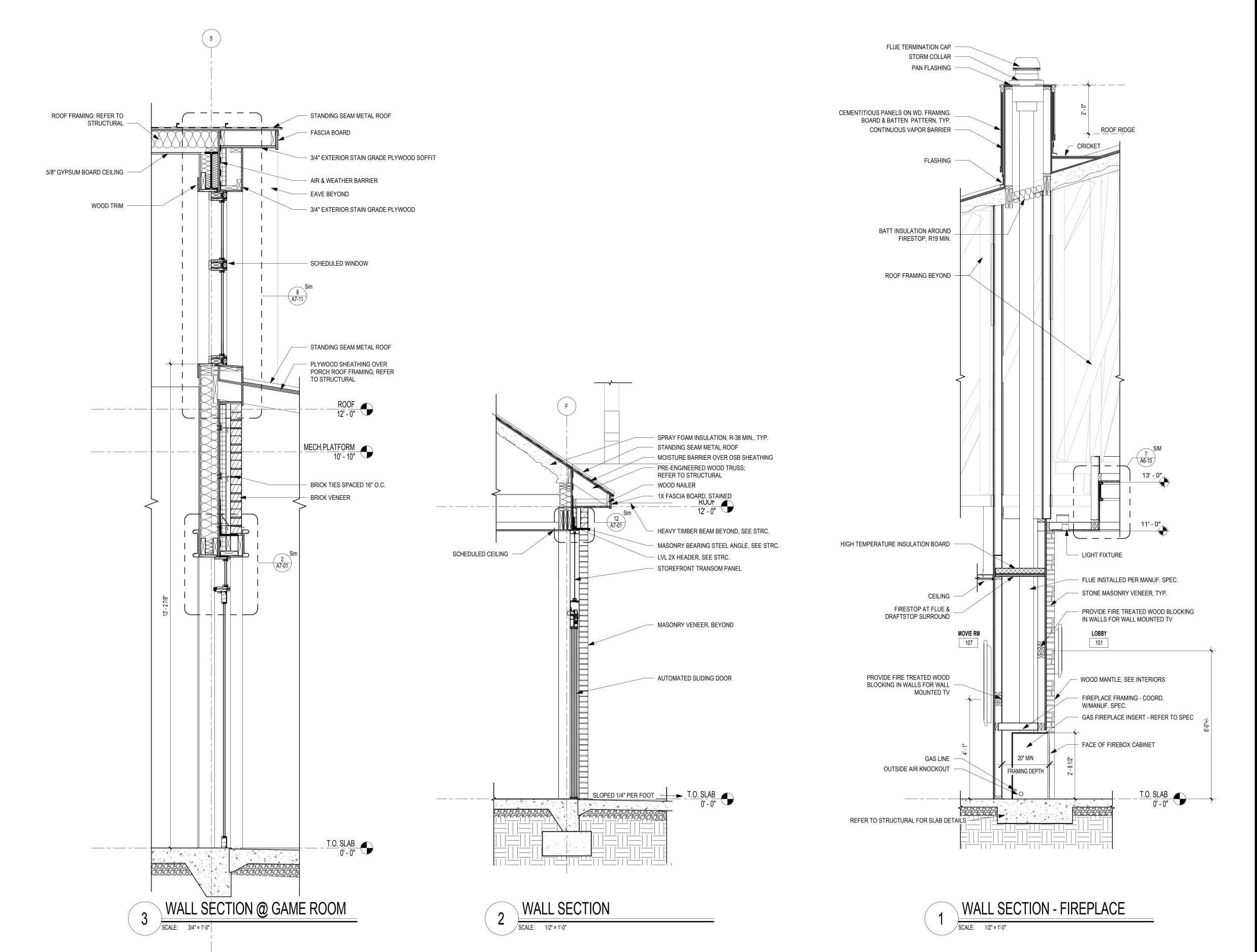
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PROJECT NUMBER 1816000.000

**WALL SECTIONS** 

SHEET NUMBER

A3-10



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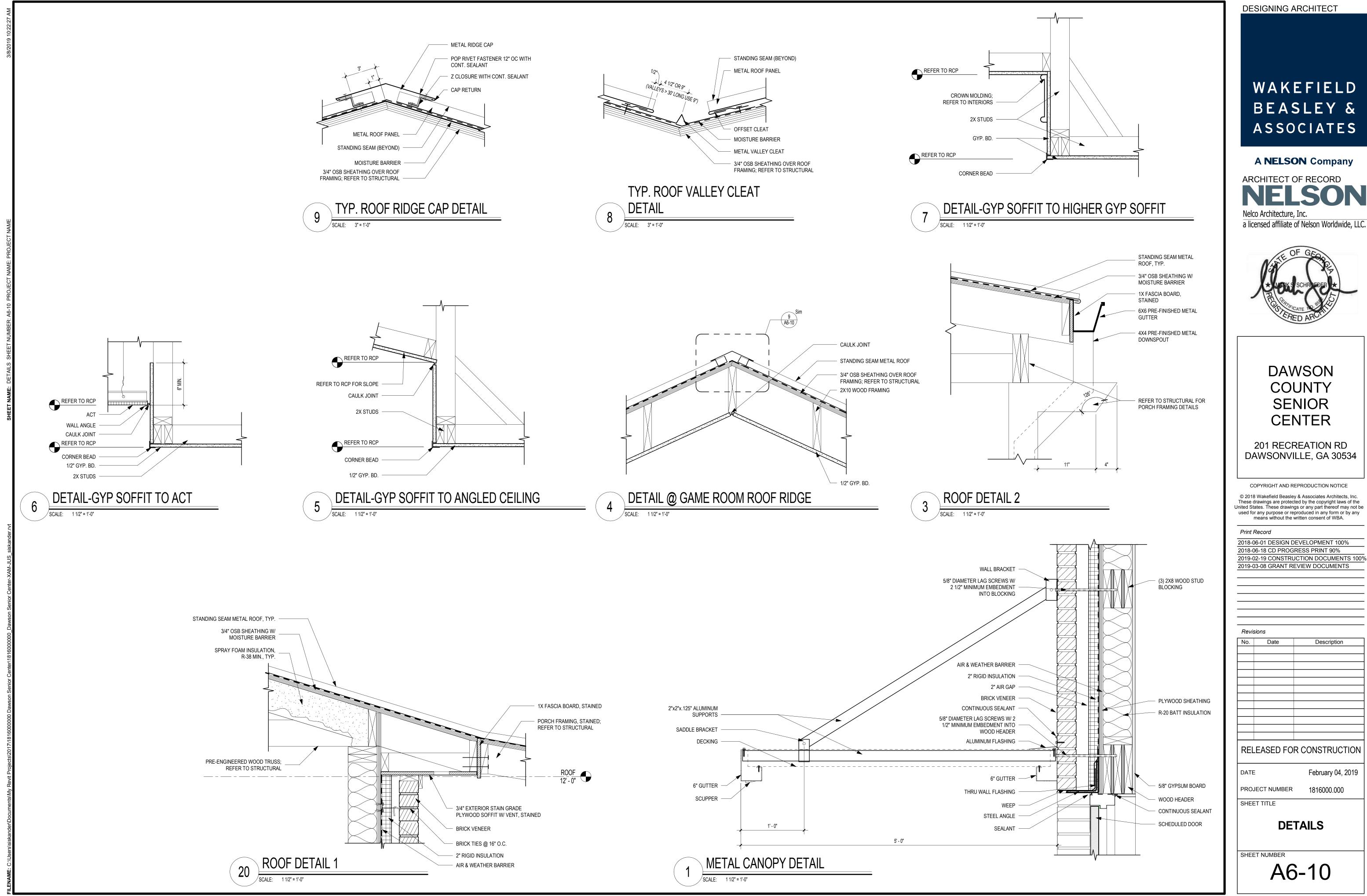
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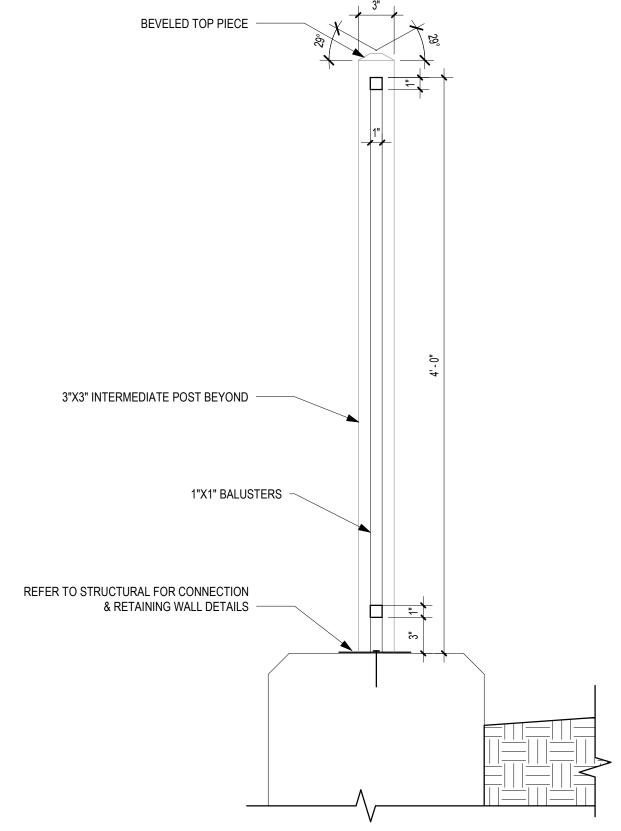
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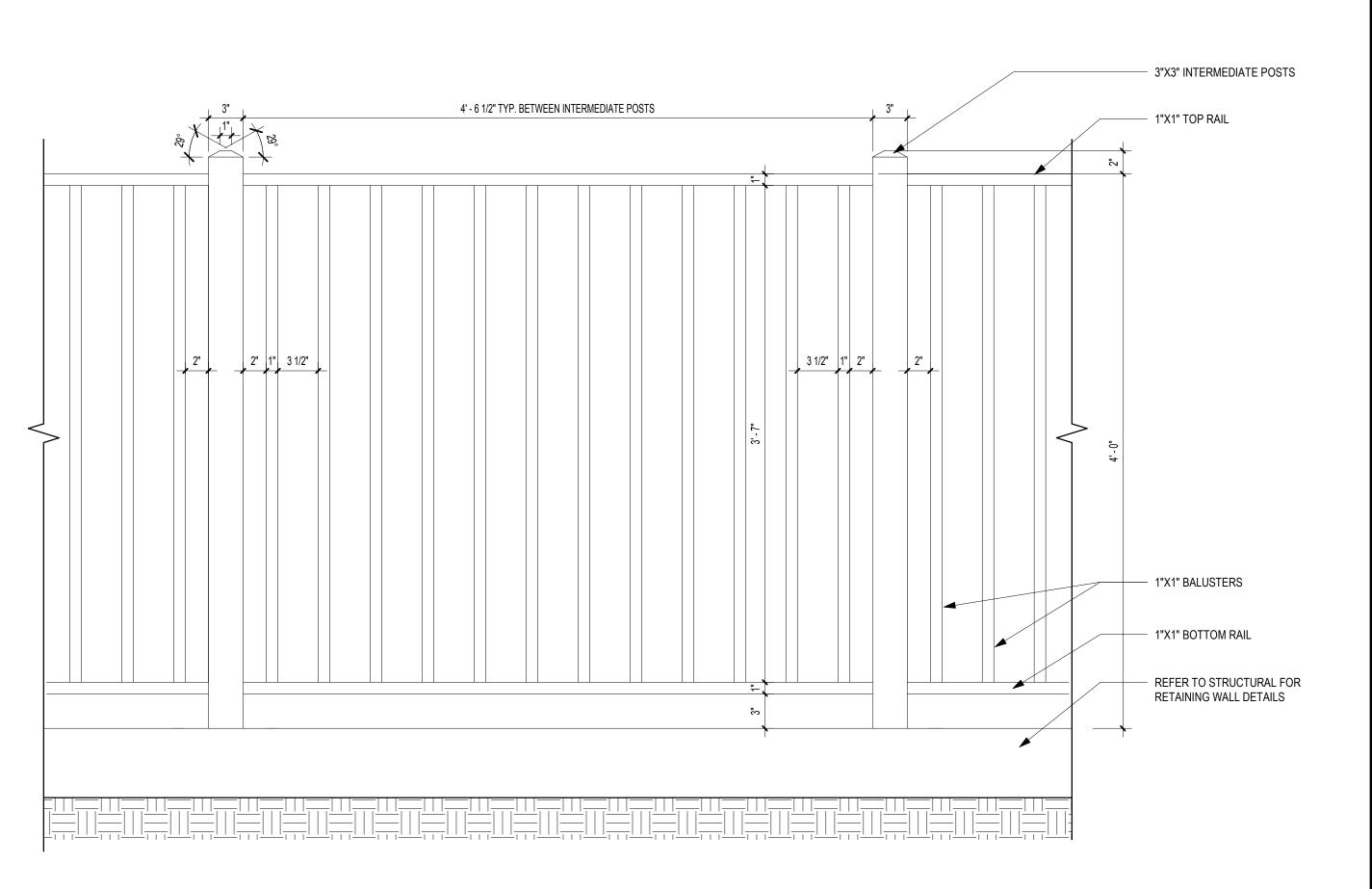
A3-11



ocuments\My Revit Projects\2017\1816000000 Dawson Senior Center\181600000







2 ALUMINUM RETAINING WALL FENCE ELEVATION

SCALE: 1 1/2" = 1'-0"

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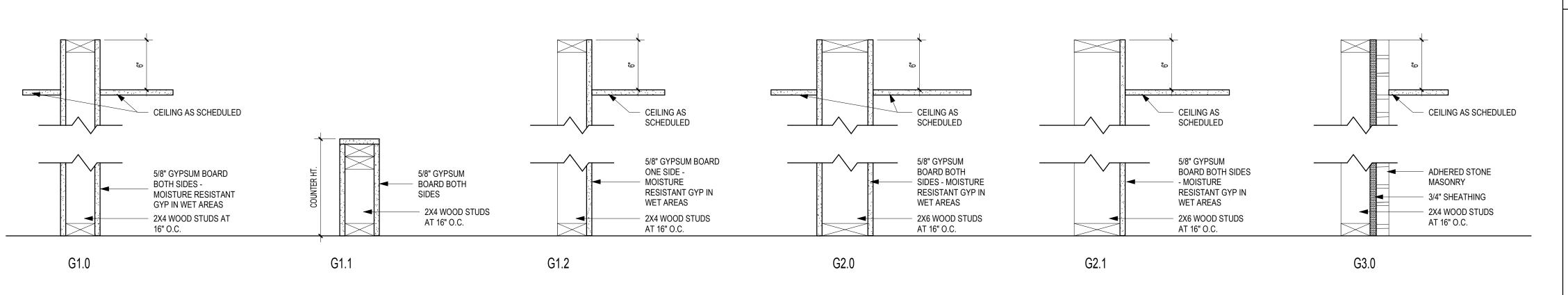
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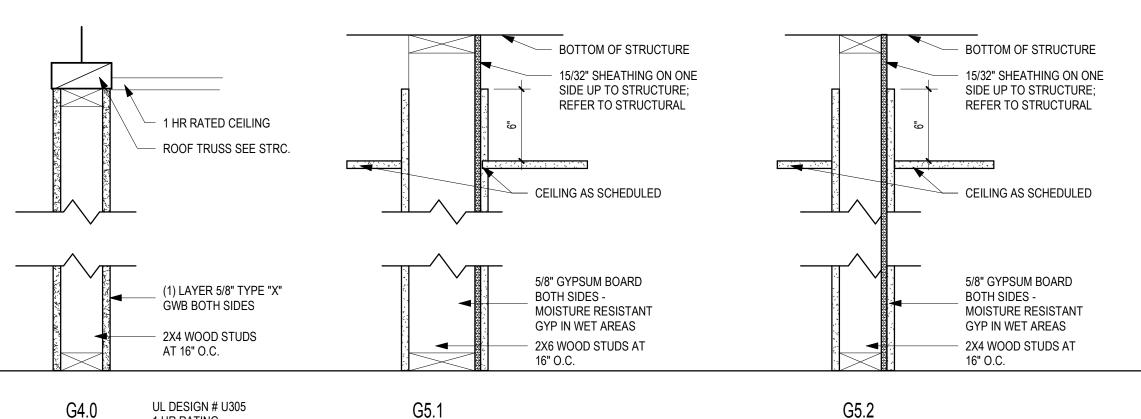
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**DETAILS** 

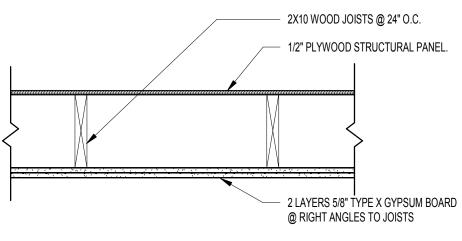
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A6-11





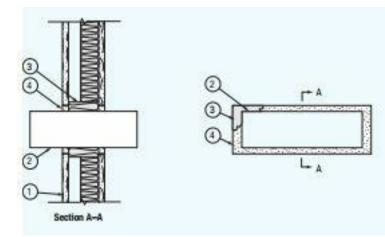
SCALE:



ASSEMBLY GA FC 5406: 1 HOUR CEILING

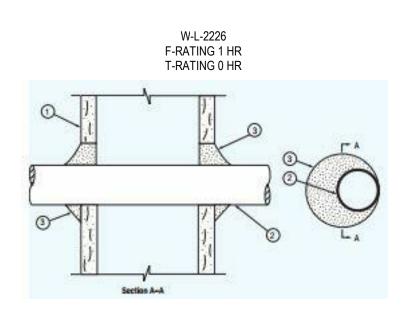


W-L-7001 F-RATING 1 HR. T-RATING 0 HR.



1. Gypsum wallboard/stud wall assembly. 2. Air duct: Up to 3" by 10" prefabricated 24 ga. sheet metal air duct. Minimum 7/16" to maximum 1-5/8" annular space between duct and periphery of opening 3. Forming material: Minimum 2-1/2" thick mineral wool insulation (minimum 3.5

pcf) firmly packed into the opening as a permanent form. 4. Type FC or RFC: Minimum 1/2" thick compound applied within opening, flush with both surfaces of the wall.



1. Wall Assembly — The 1 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

> A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in.

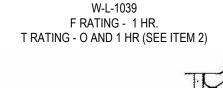
> B. Gypsum Board\* — One layer of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 3-1/4 in.

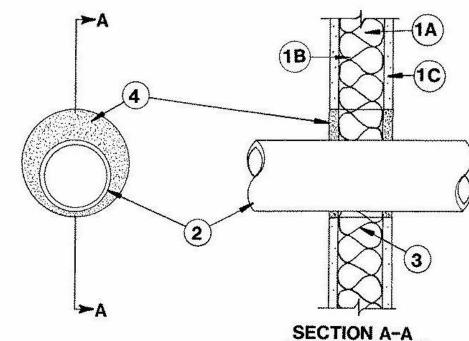
2. Through Penetrants — One nonmetallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between pipe and periphery of opening shall be min 0 in. (point contact) to max 7/8 in. Pipe or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes may be used: A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. diam (or smaller)

Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. 3. Firestop System — The firestop system shall consist of the following: A. Packing Material — (Optional, Not Shown) — Foam backer rod firmly

packed into the opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material. B. Fill, Void or Cavity Material\* — (Caulk) — Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of the wall. Additional fill material to be installed such that a min 1/4 in. crown is formed around the penetrating item and lapping 1/4 in. beyond the periphery of the opening.

W-L-2226 - THRU-WALL NON-METALLIC PENETRATION @ 1 HOUR WALL





1. Wall Assembly — The fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. B. Batts and Blankets\* — Nom 1-1/2 in. thick mineral wool batts friction fitted to fill interior of stud

C. Gypsum Board\* — The gypsum wallboard type, thickness, number of layers and orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 6 in.

2. Through Penetrants — One metallic pipe, conduit or tubing to be installed in either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used: A. Steel Pipe — Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. The annular space shall be min 1/4 to max 1-5/8 in. When steel pipe is used T Rating is 0 hr. B. Conduit — Nom 4 in. diam or smaller steel electrical metallic tubing or steel conduit. The annular space shall be min 1/4 to max 1-5/8 in. When conduit is 1/2 in. diam or less, T Rating is 1 hr. C. Copper Tubing — Nom 4 in. diam (or smaller) Type M (or heavier) copper tubing. The annular space shall be min 1/4 to max 1-5/8 in. When copper tubing is used, T Rating is 0 hr.

3. Forming Material\* — Min 2-1/2 in. thickness of min 3.5 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Forming material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.

4. Fill, Void or Cavity Material\* — Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Dry mix material mixed at a rate of 2.1 parts dry mix to 1 part water by weight in accordance with the accompanying installation instructions.

4A. Fill, Void or Cavity Material\* — Not Shown — Two component fill material used as an alternate to Item 4. Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Ready-mixed component mixed with accelerator component at a rate of 66 parts of ready-mixed component to 1 part of accelerator component by weight in accordance with the accompanying installation instructions.

W-L-1039 - PIPE AND CONDUIT THRU-PENETRATIONS @ 1 HOUR WALL WALL PARTITION GENERAL NOTES

DO NOT SCALE DRAWINGS.

INSTALLATION MUST BE IN ACCORDANCE WITH THE REFERENCED UL ASSEMBLY FOR RATED WALLS, IF AN ALTERNATE MANUFACTURER OR INSTALLATION IS SELECTED, A REQUEST FOR SUBSTITUTION MUST BE SUBMITTED TO WBA FOR REVIEW

INCREASE METAL STUD GAUGE AND/OR DECREASE METAL STUD O.C. SPACING SO AS NOT TO EXCEED L/240 DESIGN CRITERIA. MIN STUD GAUGE = 25. BRACE METAL STUDS TO STRUCTURE AS REQUIRED.

REFER TO THE REFLECTED CEILING PLANS FOR INDICATION OF WHICH NONRATED PARTITIONS EXTEND TO CEILING HEIGHT OR TO UNDERSIDE OF STRUCTURE.

WHERE NON-RATED PARTITIONS DO NOT EXTEND TO STRUCTURE, STOP GWB 6" ABOVE CEILING AND EXTEND OR BRACE METAL STUDS TO STRUCTURE.

PROVIDE FIRE RESISTANT GWB WHERE REQUIRED BY RATED ASSEMBLIES.

APPLY SEALANT TO ENTIRE PARTITION PEREMETER AND PENETRATIONS PER MANUFACTURER'S RECCOMENDATIONS.

APPLY SEALANT TO THE PARTITION PERIMETER AND ALL PENETRATIONS PER MANUFACTURER'S RECOMMENDATIONS AT ALL PRESSURIZED SHAFTS AND STAIRWAY PARTITIONS..

9. STAGGER ELECTRICAL, COMMUNICATION, AND CATV OUTLETS 12" MINIMUM AT ALL STC RATED PARTITIONS.

PROVIDE IN-WALL BLOCKING FOR MILLWORK, ARTWORK, FURNISHINGS, HARDWARE, WALL STOPS, TOILET ACCESSORIES, WALL BUMPERS, GRAB BARS, DRAPERIES, STONEWORK, CLOSET RODS, AND MODULAR OFFICE WALLS..

11. UL DESIGN NUMBERS (I.E. UL DES. U905) REFERENCE THE LATEST EDITION OF THE FIRE RESISTANCE DIRECTORY, VOL. 1A. PUBLISHED BY UNDERWRITERS LABORATORIES INC. - SEE T-03 FOR ADDITIONAL INFORMATION.

12. CONTRACTOR SHALL SEAL ALL THROUGH PENETRATIONS OF RATED PARTITIONS WITH SEALANT APPROVED BY THE BUILDING OFFICIAL - REFER TO M.E.P. DRAWINGS FOR TYPICAL PENETRATION DETAILS.

CONTRACTOR SHALL IDENTIFY ALL SMOKE RATED AND/OR FIRE RATED PARTITIONS WITH PAINTED STENCILS ABOVE THE CEILING.

14. USE A DEFLECTION TRACK FOR TOP RUNNERS OF METAL STUD PARTITIONS THAT EXTEND TO UNDERSIDE OF STRUCTURAL DECK WHERE THE DEFLECTIONS OF THE STRUCTURE ABOVE THE PARTITION EXCEEDS 1/2".

15. PARTITION HEIGHT INDICATED "TO STRUCTURE" SHALL BE CARRIED TO UNDERSIDE OF METAL DECK, PRECAST, OR CAST-IN-PLACE CONCRETE SLAB.

16. ALL DIMENSIONS ARE FROM FACE OF FINISHED PARTITION TO FACE OF FINISHED PARTITION.

17. ALIGN CENTER LINE OF PARTITION WITH CENTER LINE OF MULLION OR COLUMN AS SHOWN ON PLAN UNLESS OTHERWISE NOTED. PROVIDE NEOPRENE CLOSURE AS NECESSARY.

18. REINFORCE METAL STUDS OF PARTITIONS WITH CONTINUOUS METAL STRAPPING FOR WALL-HUNG AND OTHER MILLWORK OR EQUIPMENT.

19. COORDINATE PARTITION LAYOUT WITH MECHANICAL, ELECTRICAL, AND PLUMBING WORK. NOTIFY ARCHITECT TO RESOLVE CONFLICTS.

20. VERIFY LOCATIONS AND SIZES OF ALL FREESTANDING, UNDERCOUNTER AND BUILT-IN EQUIPMENT.

21. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION AND SYMBOLS.

22. VERIFY LOCATIONS OF ALL FIRE EXTINGUISHER CABINETS, RECESSED OR SURFACE MOUNTED.

23. COORDINATE LOCATIONS OF FIRE PULL STATIONS AND FIREMAN'S TELEPHONE

WITH INTERIOR FINISHES.

24. VERIFY ALL THERMOSTAT LOCATIONS WITH ARCHITECT FOR COORDINATION WITH FINISHES.

25. REFER TO ELECTRICAL DRAWINGS FOR POWER, TELEPHONE AND DATA

26. ALL PENETRATIONS IN DRYWALL CONSTRUCTION ABOVE FINISHED CEILING SHALL BE SEALED TO PREVENT SOUND LEAKAGE AND FIRE PROTECTION WITH FIRE SAFING INSULATION.

27. SEAL ALL SOUND PARTITIONS WITH ACCOUSTICAL SEALANT AT BASE, HEAD, AND ALL PENETRATIONS AS REQUIRED TO MEET STC RATINGS...

28. ENCLOSE THE TOPS OF ALL PARTIAL HEIGHT PARTITIONS.

29. FLOOR ASSEMBLIES TO HAVE IIC RATING (IMPACT INSULATION CLASS) OF NOT LESS THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTME 492.

ACOUSTICAL VALUES ARE BASED ON A 3RD PARTY CERTIFICATION OF DESIGN STC RATINGS. DOCUMENTATION AVAILABLE UPON REQUEST TO WBA.

BUILDING WRAP SERVES AS REQUIRED WRB AND MUST BE TAPED AT ALL EXP., JOINTS, SEAMS, PENETRATIONS AND OPENINGS

32. ALL STUCCO AND MASONRY TO HAVE INDUSTRY STANDARD CONTROL AND EXPANSION EXP.. JOINTS

33. ALL INSULATION IS TO BE UNFACED.

OUTLET LOCATIONS.

SEE STRUCTURE DRAWINGS FOR SHEAR WALL LOCATIONS.

NOTE: UL ASSEMBLY LISTINGS AS SHOWN ARE PROVIDED FOR CONVENIENCE ONLY. REFER TO APPROPRIATE UL OR GA PUBLICATIONS FOR COMPLETE LISTINGS. WAKEFIELD BEASLEY AND ASSOCIATES IS NOT RESPONSIBLE FOR ANY ADDITIONS OR OMISSIONS TO ASSEMBLIES LISTED IN THIS DOCUMENT.

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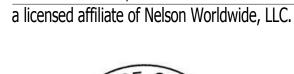
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No.	Date	Description

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February 04, 2019

PROJECT NUMBER

1816000.000

**PARTITION TYPES & PENETRATION DETAILS** 

SHEET NUMBER

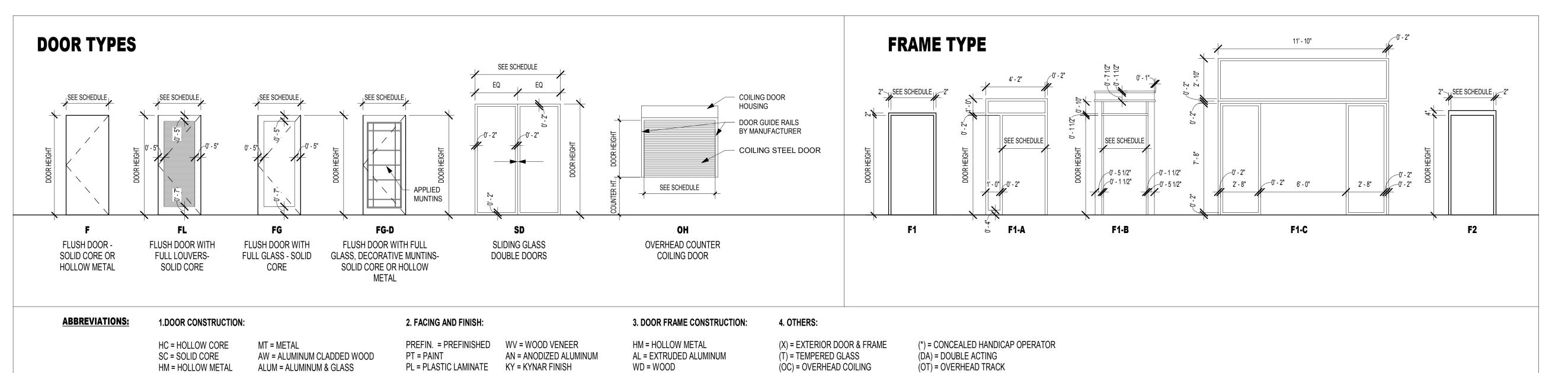
A6-20



2. INTERIOR GLAZING SHALL BE 3/8" TEMPERED GLASS (TYPE G-1 AS SPECIFIED) 3. EXTERIOR GLAZING SHALL BE 1" INSULLATED TEMPERED (TYPE IG-1 AS SPECIFIED)

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DOOR SCHEDULE														
Door					Door					Frame	е			
Number	Room Name	Type	Width	Height	Thickness	Material	Finish	Type	Material	Finish	Jamb	Head	Hardware	Comments
100A	ENTRY/VESTIBULE	SD	12' - 0"	8' - 0"	0' - 1 3/4"	ALUM	ANOD	F1-C	ALUM	ANOD	11/A7-01	12/A7-01		HARDWARE TO BE PROVIDED BY MANUFACTURER AT SLIDING GLASS DOORS
100B	ENTRY/VESTIBULE	SD	12' - 0"	8' - 0"	0' - 1 3/4"	ALUM	ANOD	F1-C	ALUM	ANOD	13/A7-01			HARDWARE TO BE PROVIDED BY MANUFACTURER AT SLIDING GLASS DOORS
101A	MEALS ON WHEELS	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01	B08	CARD READER
102	SENIOR ADVOCATE	F	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-A	HM	PT	9/A7-01	15/A7-01	B01	
103	NURSE'S OFFICE	F	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-A	HM	PT	9/A7-01	15/A7-01	B01	
104A	ALZHEIMER RM	FG	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-A	HM	PT	9/A7-01	15/A7-01	B04	
104B	ALZHEIMER RM	FG	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-A	HM	PT	9/A7-01	15/A7-01	B04	
104C	ALZHEIMER RM	FG-D	6' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-B	WD	PT	1/A7-01	2/A7-01	B07	
105	STORAGE	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01	B03	
106	TLT	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01	B02A	
107	MOVIE RM	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01	B04	
108A	TLT	FL	2' - 8"	7' - 0"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01	B02A	
108B	TLT	FL	2' - 8"	7' - 0"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01	B02A	
108C	ADA TLT	FL	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01	B02A	
109	CLOSET	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01	B03	
110	FOOD SERVICE COORDINATOR	F	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-A	НМ	PT	9/A7-01	10/A7-01	B01	
111	MEALS ON WHEELS	F	3' - 6"	7' - 0"	0' - 1 3/4"	HM	PT	F2	НМ	PT	3/A7-01	1/A6-10	B06	
112	LAUNDRY/JAN.	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	НМ	PT	9/A7-01	10/A7-01	B04A	1 HR RATED
114	KITCHEN	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	НМ	PT	9/A7-01	10/A7-01	B04	
114A	PANTRY	F	2' - 6"	6' - 8"	0' - 1 3/4"	WD	PT	F1	НМ	PT	9/A7-01	10/A7-01	B03	
115	ELECT/IT	F	3' - 0"	7' - 0"	0' - 1 3/4"	НМ	PT	F2	НМ	PT	3/A7-01	4/A7-01	B03B	
116	MECH.	F	3' - 0"	7' - 0"	0' - 1 3/4"	НМ	PT	F2	НМ	PT	3/A7-01	4/A7-01	B03B	
117A	STORAGE	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	НМ	PT	9/A7-01	10/A7-01	B03	
117B	MULTIPURPOSE	FG-D	6' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-B	WD	PT	5/A7-01	6/A7-01	B04A	
117D	MULTIPURPOSE	FG-D	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-B	WD	PT	1/A7-01	2/A7-01	B06	
117E	MULTIPURPOSE	FG-D	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-B	WD	PT	1/A7-01	2/A7-01	B06	
118A	TLT	FL	2' - 8"	7' - 0"	0' - 1 3/4"	WD	PT	F1	НМ	PT	9/A7-01	10/A7-01	B02A	
118B	ADA TLT	FL	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1	НМ	PT	9/A7-01	10/A7-01		
118C	KITCHEN	ОН	5' - 0"	4' - 0"		_	-	-	-	_	7/A7-01	8/A7-01		HARDWARE TO BE PROVIDED BY MANUFACTURER
119	CLOSET	F	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1	НМ	PT	9/A7-01	10/A7-01	B03	
120	GAME ROOM	FG-D	6' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-B	WD	PT	1/A7-01	2/A7-01		
121	CORRIDOR	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01		CARD READER
122	RECEPTION	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01		
122A	RECORDS	F	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	HM	PT	9/A7-01	10/A7-01		CARD READER
123	DIRECTOR'S OFFICE	F.	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-A	HM	PT	9/A7-01	15/A7-01		
124	CONFERENCE	F.	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-A	HM	PT	9/A7-01	15/A7-01	_	
126	STAFF TLT	F.	3' - 0"	6' - 8"	0' - 1 3/4"	WD	PT	F1	WD	PT	9/A7-01	10/A7-01		
127	FINANCE LIAISON	F .	3' - 0"	7' - 0"	0' - 1 3/4"	WD	PT	F1-A	HM	PT	9/A7-01	15/A7-01		
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No.	Date	Description			
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SHEET TITLE

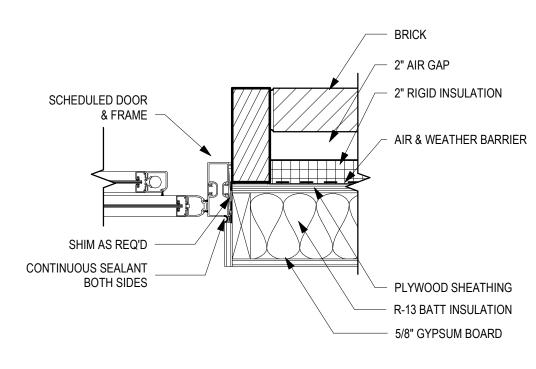
DOOR SCHEDULE & **ELEVATIONS** 

SHEET NUMBER

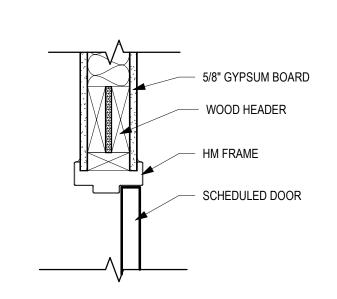
A7-00

PLYWOOD SHEATHING AIR & WEATHER BARRIER 2" RIGID INSULATION 5/8" GYPSUM BOARD 2" AIR GAP WOOD HEADER; REFER TO STRUCTURAL THRU WALL FLASHING STEEL ANGLE CONTINUOUS SEALANT SCHEDULED DOOR

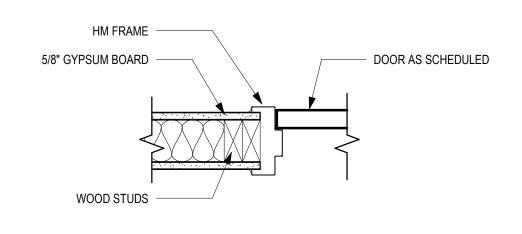
## SLIDING DOOR HEAD @ **EXTERIOR WALL**



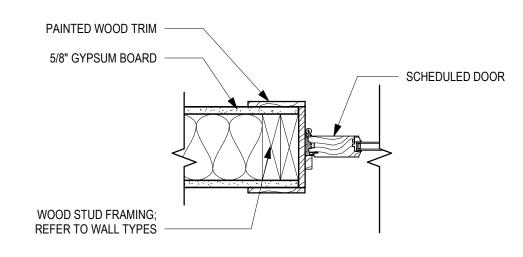
## SLIDING DOOR JAMB @ **EXTERIOR WALL**

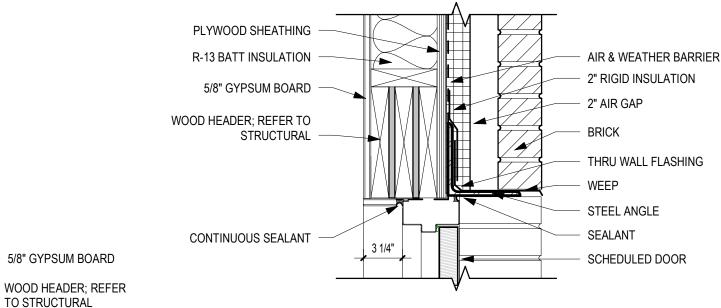


# HM DOOR HEAD @ STUD WALL

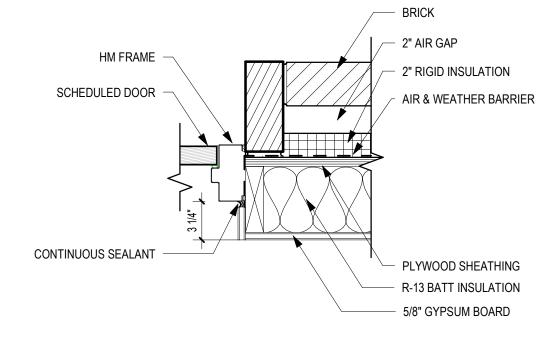


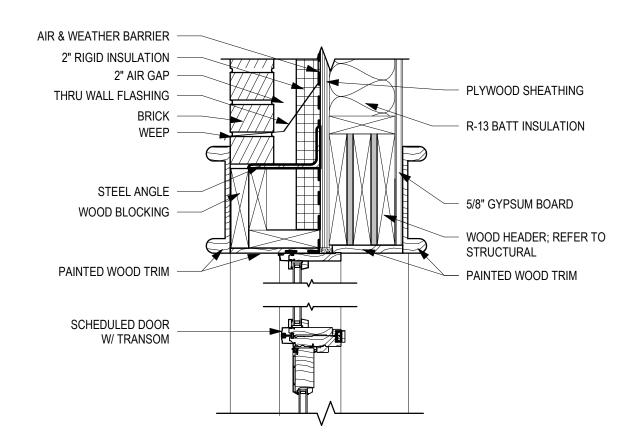




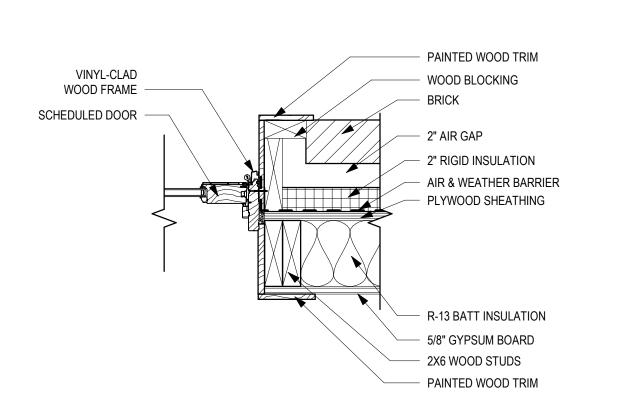


# DOOR HEAD @ BRICK





## VINYL-CLAD WOOD DOOR HEAD & TRANSOM HEAD & SILL



VINYL-CLAD WOOD DOOR JAMB

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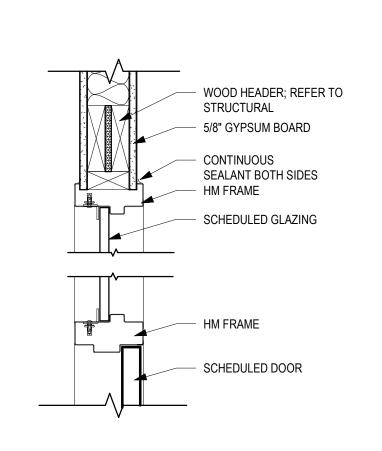
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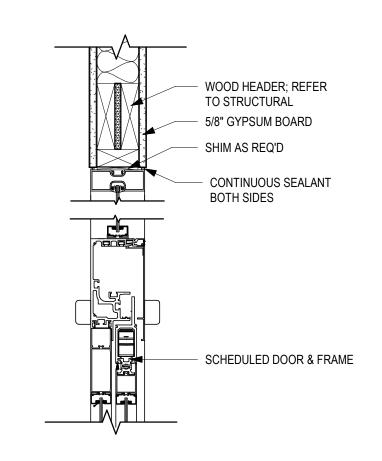
PROJECT NUMBER 1816000.000 SHEET TITLE

**DOOR DETAILS** 

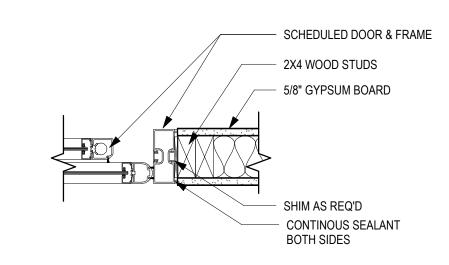
A7-01



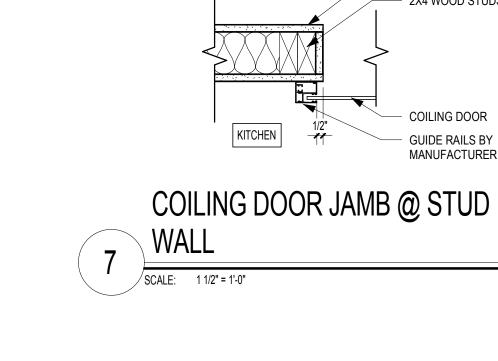




SLIDING DOOR HEAD @ STUD WALL



SLIDING DOOR JAMB @ STUD WALL



**COILING DOOR** 

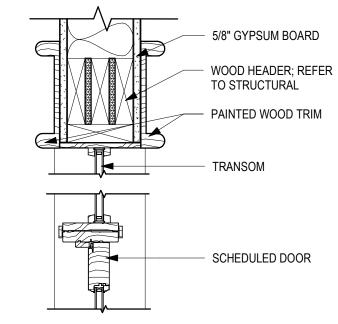
COILING DOOR AS SCHEDULED

KITCHEN

WALL

COILING DOOR HEAD @ STUD

MULTIPURPOSE ROOM



TO STRUCTURAL

WALL OPENING

MULTIPURPOSE ROOM

5/8" GYPSUM BOARD

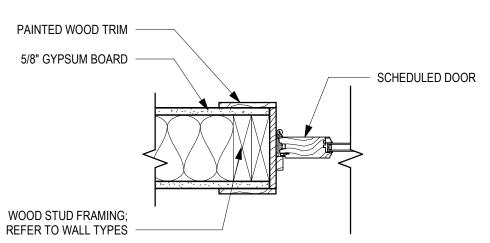
2X4 WOOD STUDS

COILING DOOR

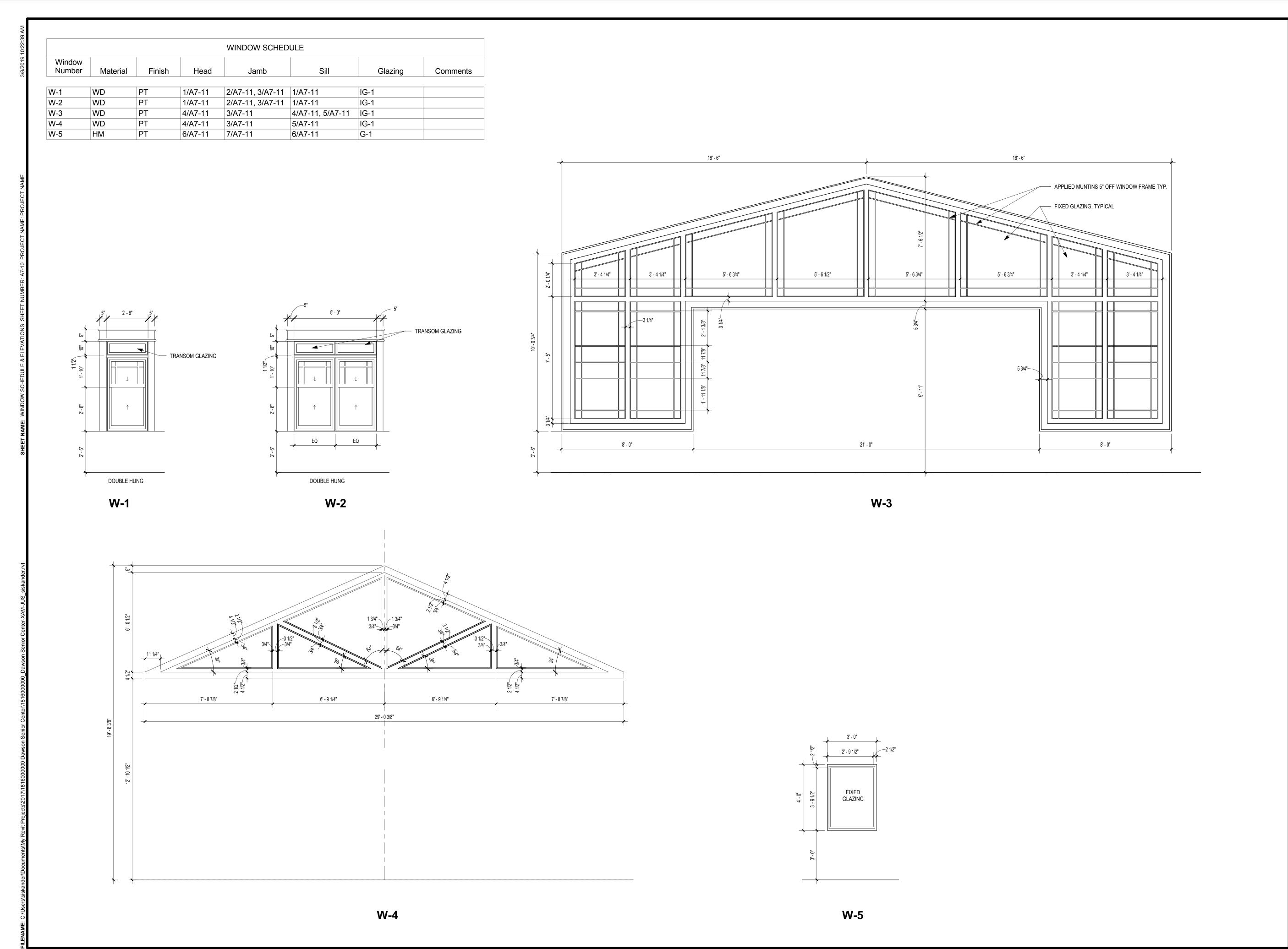
GUIDE RAILS BY MANUFACTURER

CORNER BEADS BOTH SIDES









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SHEET TITLE

WINDOW SCHEDULE & ELEVATIONS

SHEET NUMBER

A7-10

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Description

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February 04, 2019

PROJECT NUMBER

WINDOW DETAILS

A7-11

- SUBSTITUTIONS OF FINISH MATERIALS MUST BE SUBMITTED IN WRITTEN FORM AND ACTUAL SAMPLES PROVIDED FOR REVIEW BY THE DESIGN PROFESSIONAL AND USER GROUP. CONSTRUCTION PROFESSIONAL MUST RECEIVE APPROVAL SIGNATURE BEFORE PROCEEDING. REVIEW OF SUBSTITUITONS DUE TO A CHANGE IN THE ORIGINAL SCHEDULE OR BUDGET MAY BE CONSIDERED ADDITIONAL SERVICES.
- 3 CONSTRUCTION PROFESSIONAL WILL PROVIDE AND INSTALL ALL ITEMS REQUIRED TO RESTORE BASE BUILDING CORRIDOR FINISHES WHEN DEMOLITION AND CONSTRUCTON AFFECTS THESE AREAS. CONSULT USER GROUP REGARDING BUILDING SPECIFICATIONS AND STOCK OF THESE ITEMS.
- INSTALL ALL FINISH MATERIALS ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
  REMEDIATION OF MOISTURE IN THE CONCRETE, AS IT RELATES TO THE FLOORING
  MATERIAL AND ITS INSTALLATION MUST BE STRICTLY ADHERED TO IN ORDER TO AVOID
  RISK OF VOIDING WARRANTEE
- ONLY ONE DYE-LOT OF EACH STYLE AND COLOR SPECIFIED IN THE FINISH SCHEDULE SHALL BE USED.
- 6 REMOVE FINISH MATERIALS FROM PACKING AND ALLOW TO ACCLIMATIZE TO AREA OF INSTALLATION ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- ALL SURFACES WHICH ARE TO RECEIVE A FINISH APPLICATION SHALL BE COMPLETELY SMOOTH FOR SCHEDULE FINISH MATERIAL. REPAIR EXISTING CONDITIONS AS REQUIRED.
- ALL MISCELLANEOUS GRILLES, PLATES, ETC. OCCURING ON WALLS OR CEILINGS ARE TO BE FINISHED TO MATCH WALL OR CEILING ON WHICH THEY OCCUR. CONSULT DESIGN PROFESSIONAL ON FINAL FINISH.
- INSTALL CARPET TILE USING PRESSURE SENSITIVE ADHESIVE; PATTERN OF TILE TO BE
- FLOORING TRANSITIONS WILL OCCUR UNDER CENTERLINE OF DOOR IN CLOSED POSITION., U.N.O.
- WHERE FLOORING MATERIALS OF DIFFERING THCKNESSES MEET, LEVEL AS REQUIRED TO MEET ADA GUIDELINES AND SMOOTH AS REQUIRED.
- 12 INSTALL CERAMIC, PORCELAIN AND STONE TILES WITH MANUFACTURER'S MINIMUM RECOMMENDED GROUT WIDTH, U.N.O.; GROUT TO BE SEALED
- 13 INSTALL REDUCER STRIPS WHERE CARPET/ RESILIENT FLOORING/ CERAMIC TILE MEET SEALED CONCRETE.
- 14 FIRE EXTINGUISHER CABINETS TO BE PAINTED TO MATCH ADJACENT WALL, TYP.; REFER TO SPECIFICATIONS.
- BASE CABINET PLASTIC LAMINATE TOE KICKS TO MATCH CORRESPONDING BASE CABINET PLASTIC LAMINATE SPECIFICATION, U.N.O.
- 16 ALL WET WALLS TO RECEIVE CERAMIC TILES TO HAVE CEMENT BACKER BOARD
- SUBMIT SAMPLES OF ALL FINISH MATERIALS TO THE DESIGN PROFESSIONAL FOR APPROVAL PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. SUBMIT ACTUAL COLOR AND FINISH OF PAINT ON 8-1/2" X 11" SAMPLES. WALLCOVERING SAMPLES MUST BE CUT FROM ACTUAL ROLL TO BE USED FOR INSTALLATION. SAMPLES OF NATURAL STONE OR OTHER MATERIAL WITH WIDE VARIATIONS SHALL COME FROM ACTUAL MATERIAL TO BE USED.
- 18 PREPARE SURFACES FOR ACCEPTING OF FINISHES PER MANUFACTURER'S RECOMMENDATIONS.
- WHEN BASE IS CONTINUOUS OR TRANSITIONED ON AN OUTSIDE CORNER WHERE FLOOR MATERIALS OF DIFFERENT THICKNESSES OCCUR, SET BASE ON TOP OF LOWER FLOORING MATERIAL AND TRIM THE BOTTOM OF BASE AT THE HIGHER FLOORING SUCH THAT IT IS BOTH TIGHT TO THE FLOORING AND ALIGNS WITH THE BASE AT THE LOWER FLOORING AT THE TOP EDGE. NOTE: WOOD BASE TO BE INSTALLED AFTER FLOORING IS INSTALLED.
- 20 PROVIDE BLOCKING IN AREAS DESIGNED TO RECEIVE OVERHEAD CABINETS. REFER TO FURNITURE DOCUMENTS FOR LOCATIONS.
- 21 PROVIDE BLOCKING IN AREAS DESIGNATED TO RECEIVE TV/ DISPLAY SCREENS AND MARKERBOARDS
- 22 IF DESIGN PROFESSIONAL'S WRITTEN DESCRIPTION OF COLOR NAME, NUMBER AND MANUFACTURER'S INFORMATION ARE IN CONFLICT, CONTACT DESIGN PROFESSIONAL FOR CLARIFICATION BEFORE ORDERING MATERIALS.
- 23 PROVIDE STONE THRESHOLD FROM RESTROOM PORCELAIN TILE
- FOR ALL ACCENT WALLS NOTED THROUGHOUT, WALL TO RECEIVE SAME BASE AS INDICATED FOR GENERAL FINISH OF ROOM, TYP.
- 5 ALL GYP BD CEILINGS/ SOFFITS TO BE PAINTED P-11A, U.N.O.
- PRIOR TO CARPET INSTALLATION, MOISTURE CONDITIONS MUST BE DETEREMINED IN ONE OF TWO MANNERS: 1) RH TESTING ASTM F2170; 2) CALCIUM CHLORIDE TESTING ASTM F1861 IN ADDITION ALKALINITY TEST ASTM F710 MUST BE PERFORMED. NOTE: SHOULD TEST RESULTS EXCEED MANUACTURER'S REQUIREMENTS, REFER TO MANUFACTURER'S RECOMMENDATION AS TO HOW TO REMEDIATE MOISTURE IN CONCRETE. REFER TO SECTION 096813 TILE CARPETING FOR FURTHER CLARIFICATION
- PRIOR TO RESILIENT FLOORING INSTALLATION, MOISTURE CONDITIONS MUST BE DETEREMINED IN ONE OF TWO MANNERS: 1) RH TESTING ASTM F2170; 2) CALCIUM CHLORIDE TESTING ASTM F1861 IN ADDITION ALKALINITY TEST ASTM F710 MUST BE PERFORMED. NOTE: SHOULD TEST RESULTS EXCEED MANUFCATURER'S REQUIREMENTS, REFER TO MANUFACTURER'S RECOMMENDATION AS TO HOW TO REMEDIATE MOISTURE IN CONCRETE. REFER TO SECTION 096519 RESILIENT FLOOR TILE FOR FURTHER CLARIFICATION

### FINISH KEY NOTES

- PROVIDE BLOCKING IN WALLS AT ALL ROOMS WITH OVERHEADS AS NOTED ON PLAN; REFER TO FFE PLANS FOR RETURN LOCATION AND TO DETAIL #6 / I-701 FOR CLARIFICATION.
- F-2 PAINT GYP. BOARD CEILINGS AND SOFFITS P-11A. U.N.O.
- PROVIDE BLOCKING FOR DISPLAY SCREEN; COORDINATE FINAL LOCATIONS WITH USER GROUP;
  BLOCKING TO BE CENTERED WITH DISPLAY SCREEN.
- PROVIDE TWO (2) COAT HOOKS AT BACK OF EACH OFFICE DOOR. MOUNT ONE AT 66" AFF, AND MOUNT THE SECOND AT 48" MAX AFF (TO MEET ADA REQUIREMENTS). COAT HOOKS TO BE ALNO, MODEL NO. ALN-54081, SATIN NICKEL FINISH, BASIS OF DESIGN. COORDINATE W/ WINDOW IN DOOR.
- 5 PROVIDE THE FOLLOWING FINISHES AT JANITOR CLOSET: FLOOR:SC-1; BASE: B-2; WALLS: P-1C. PROVIDE FRP-1 AT WALLS ADJACENT MOP SINK AND BEHIND BASIN.
- F-6 REFER TO INTERIOR ELEVATIONS FOR EXTENT OF FINISHES.
- PROVIDE WOOD WINDOW BLINDS AT OPENINGS AS INDICATED ON FINISH PLANS.; MFR: GRABER, STYLE: PREMIUM FAUX WOOD, COLOR TBD. REFER TO SECTION 12 21 13 HORIZONTAL LOUVER BLINDS FOR MORE INFORMATION.
- PROVIDE RESILIENT TRANSITION STRIP FROM LVT TO CARPET. REFER TO SHEET I-703 / DETAIL 3.
- F-9 PROVIDE STONE THRESHOLD FROM PORCELAIN TILE TO LVT. REFER TO SHEET I-703 / DETAIL 11.
  F-10 PROVIDE STONE THRESHOLD AT RESTROOM PORCELAIN TILE TO CARPET. REFER TO SHEET
- I-703 / DETAIL 8.
- F-11 REFER TO SHEET I-400 FOR FLOOR PATTERN / CLARIFICATIONS.
- F-12 TRANSITION FROM LVT TO RESINOUS FLOOR. REFER TO SHEET I-703 / DETAIL 5.
  F-13 TRANSITION FROM RESINOUS FLOOR TO SEALED CONCRETE. REFER TO SHEET I-703 / DETAIL 7.
- F-14 TRANSITION FROM LVT TO CONCRETE. REFER TO SHEET I-703 / DETAIL 6.

### FINISH LEGEND

#### **FLOORING**

CPT- 1 - CARPET TILE

MFR: SHAW CONTRACT GROUP, BASIS OF DESIGN

STYLE: RENEW TILE, NO. 5T141

COLOR: RECHARGE, COLOR NO. 38530

SIZE: 9" X 36"

INSTALL: ASHLAR

METHOD: PRESSURE SENSITIVE ADHESIVE

LOCATION: TO BE USED THROUGHOUT, UNO

CONTACT: MARK LAW, 770-241-1345, MARK.LAW@SHAWINC.COM

CPT- 2 - CARPET TILE WALK-OFF MAT
MFR: SHAW CONTRACT, BASIS OF DESIGN
STYLE: STEPPEN OUT, STYLE NO. 5T031
COLOR: TBD
SIZE: 24" X 24"
INSTALL: ASHLAR
METHOD: PRESSURE SENSITIVE ADHESIVE

CPT- 3 - CARPET TILE

MFR: SHAW CONTRACT GROUP, BASIS OF DESIGN

STYLE: COLOR FRAME TILE, NO. 5T081

COLOR: MYSTIC GREY, COLOR NO. 81515

SIZE: 24" X 24"

INSTALL: ASHLAR

METHOD: PRESSURE SENSITIVE ADHESIVE

LOCATION: TO BE USED THROUGHOUT, UNO

CONTACT: MARK LAW, 770-241-1345, MARK.LAW@SHAWINC.COM

CONTACT: MARK LAW, 770.241.1345, MARK.LAW@SHAWINC.COM

CT-1 - PORCELAIN MOSAIC

MFR: EMSER TILE, BASIS OF DESIGN

STYLE: GLAZED BODY MATCH PORCELAIN TILE

PATTERN: CHIADO 2" X 2" MESH

COLOR: CHIADO JEROME

SIZE: 2" X 2" MESH MOSAIC

GROUT: TBD

INSTALLATION: TO BE THINSET, MONOLITHIC

LOCATION: MEN'S AND WOMEN'S RESTROOMS

CONTACT: AMANDA HANDLEY, 404.852.1986, AMANDAHANDLEY@EMSER.COM

CT-2 - CERAMIC MOSIACS
MFR: AMERICAN OLEAN, BASIS OF DESIGN
STYLE: UNGLAZED COLOR BODY PORCELAIN MOSAICS
COLOR: LIGHT SMOKE A43
SIZE: 2" X 2"
GROUT: TBD
INSTALLATION: TO BE THINSET, MONOLITHIC
LOCATION: STAFF TLT, ALZHEIMER TLT
CONTACT: BRYCE WALKER, SPECIALY TILE, 678.687.7201,
BWALKER@SPECIALTYTILE.COM

LVT-1 - LUXURY VINYL PLANK
MFR: ECORE, BASIS OF DESIGN
STYLE: EXPONA COMMERCIAL - WOOD
COLOR: 4104 GREY SALVAGED WOOD
SIZE: 8" X 60" APPROXIMATELY
INSTALL: DIRECT GLUE, PER DRAWINGS
LOCATION: PER DRAWINGS
CONTACT: DEBI PARSONS, SPARTAN SURFACES, 404.987.4035, DPARSONS@SPARTANSURFACES.COM

LVT-2 - LUXURY VINYL PLANK
MFR: ASPECTA, BASIS OF DESIGN
STYLE: ASPECTA ONE, ALPINE RIDGE
COLOR: MOONSTONE 1328510
SIZE: 7.87" X 48.11" APPROXIMATELY
INSTALL: DIRECT GLUE, PER DRAWINGS
LOCATION: PER DRAWINGS
CONTACT: DEBI PARSONS,SPARTAN SURFACES, 404.987.4035,
DPARSONS@SPARTANSURFACES.COM

RS-1 - RESINOUS FLOOR WITH INTEGRAL BASE MFR: STONARD, BASIS OF DESIGN

STYLE: STONCLAD UT
COLOR: PEWTER
TEXTURE: LIGHT TEXTURE
INSTALL: REFER TO MANUFACTURER'S RECOMMENDATION
LOCATION: KITCHEN / PER DRAWINGS

SC-1 - SEALED CONCRETE
(CONCRETE TO BE CLEANED AND SEALED)
MFR: SHERWIN WILLIAMS, BASIS OF DESIGN
FIRST COAT: ARMORSEAL REXTHANE I FLOOR COATING, B65-60 SERIES,
2.3-3.0 MILS DFT
SECOND COAT: ARMORSEAL REXTHANE I FLOOR COATING, B65-60 SERIES,
2.3-3.0 MILS DFT

### **BASE**

B-1 - WALL BASE
MFR: JOHNSONITE, BASIS OF DESIGN
COLLECTION: MILLWORK COUNTOURED WALL BASE
STYLE: 6" MANDALAY - MWXX-H6 - 08
COLOR: ICICLE W, NO. 08
LOCATION: CONFERENCE ROOM

B-1A - WALL BASE WITH QUARTER ROUND

MFR: JOHNSONITE, BASIS OF DESIGN

COLLECTION: MILLWORK COUNTOURED WALL BASE

STYLE: 6" MANDALAY - MWXX-H6 W / QTR-XX-A QUARTER ROUND - 08

COLOR: ICICLE W, NO. 08

LOCATION: WITH LVT-1

B-2 - WALL BASE
MFR: JOHNSONITE, BASIS OF DESIGN
STYLE: 4" COVE
COLOR: 55 SILVER GREY (WG)
LOCATION: HARD SURFACES

B-3 - WALL BASE MFR: JOHNSONITE, BASIS OF DESIGN STYLE: 4" STRAIGHT COLOR: 55 SILVER GREY (WG) LOCATION: CARPET

B-4 - WALL BASE MFR: JOHNSONITE, BASIS OF DESIGN STYLE: 2-1/2" STRAIGHT COLOR: 55 SILVER GREY (WG) LOCATION: CARPET

CT-5 - PORCELAIN TILE
MFR: SPECIALTY TILE, BASIS OF DESIGN
STYLE: SPT SOBU
COLOR: COTTON (G)
SIZE: 4" x 8" BULLNOSE
GROUT: TBD
INSTALLATION: TO BE THINSET, MONOLITHIC PATTERN
LOCATION: MEN'S ROOM, LADIES' ROOM; ONLY ON WALLS THAT DO NOT HAVE
WALL TILE; REFER TO FINISH PLANS FOR CLARIFICATION.

CT-6 - GLAZED CERAMIC TILE

MFR: AMERICAN OLEAN, BASIS OF DESIGN

STYLE: GLAZED WALL TILE

COLOR: ICE WHITE, NO. 0025

SIZE: 4-1/4" X 4-1/4" COVE BASE, TO MATCH WALL TILE

GROUT: TBD

INSTALLATION: TO BE THINSET, MONOLITHIC PATTERN

LOCATION: STAFF TOILET, TOILET; WET WALL ONLY

#### **RUNNING TRIM**

WD-1 - RUNNING TRIM

MFR: RANDALL BROTHERS, BASIS OF DESIGN
STYLE: TO MATCH WINDOW PROFILES
SIZE: TO MATCH WINDOW PROFILES
FINISH: PAINTED; SEMI-GLOSS SHEEN
LOCATION: CONFERENCE ROOM; MULTI-PURPOSE ASSEMBLY
LOBBY WAITING, PER DRAWINGS

WD-2 - CHAIR RAIL
MFR: RANDALL BROTHERS, BASIS OF DESIGN
STYLE: RB-32 D4S STOP
SIZE: 1/2" X 1-1/2"
SPECIES: PINE
FINISH: PAINTED; SEMI-GLOSS SHEEN
LOCATION: CONFERENCE ROOM; MULTI-PURPOSE ASSEMBLY,
PER DRAWINGS

#### **WALLS**

CT-3 - PORCELAIN TILE - FIELD

MFR: SPECIALTY TILE, BASIS OF DESIGN

STYLE: STP SOBU

COLOR: COTTON

SIZE: 4"X 16"

GROUT: TBD

INSTALLATION: TO BE THINSET, MONOLITHIC PATTERN, TO OCCUR FROM FINISHED FLOOR TO CEILING (REFER TO ELEVATIONS FOR CLARIFICATION)

LOCATION: MEN'S TOILET, WOMEN'S TOILET; WET WALL ONLY

CONTACT: BRYCE WALKER, SPECIALY TILE, 678.687.7201, BWALKER@SPECIALTYTILE.COM

CT-4 - GLAZED CERAMIC TILE - FIELD TILE
MFR: AMERICAN OLEAN, BASIS OF DESIGN

MFR: AMERICAN OLEAN, BASIS OF DESISTYLE: GLAZED WALL TILE
COLOR: ICE WHITE, NO. 0025
SIZE: 4-1/4" X 4-1/4"
GROUT: TBD
LOCATION: STAFF TOILET, TOILET, WET

LOCATION: STAFF TOILET, TOILET, WET WALL ONLY; REFER TO DRAWINGS
CONTACT: BRYCE WALKER, SPECIALY TILE, 678.687.7201, BWALKER@SPECIALTYTILE.COM

CT-7 - PORCELAIN TILE - ACCENT TILE

MFR: SPECIALTY TILE, BASIS OF DESIGN

STYLE: STP SOBU

COLOR: GREIGE

SIZE: 4" X 16"

GROUT: TBD

INSTALLATION: TO BE THINSET, MONOLITHIC PATTERN, TO OCCUR FROM FINISHED FLOOR TO

CEILING (REFER TO ELEVATIONS FOR CLARIFICATION)

LOCATION: MEN'S TOILET, WOMEN'S TOILET; WET WALL ONLY

CONTACT: BRYCE WALKER, SPECIALY TILE, 678.687.7201, BWALKER@SPECIALTYTILE.COM

### WALLS

CT-8 - PORCELAIN TILE - ACCENT TILE

CT-9 - GLAZED CERAMIC TILE - ACCENT TILE

MFR: SPECIALTY TILE, BASIS OF DESIGN
STYLE: STP SOBU
COLOR: BIRCH
SIZE: 4" X 16"
GROUT: TBD
INSTALLATION: TO BE THINSET, MONOLITHIC PATTERN, TO OCCUR FROM FINISHED FLOOR TO
CEILING (REFER TO ELEVATIONS FOR CLARIFICATION)
LOCATION: MEN'S TOILET, WOMEN'S TOILET; WET WALL ONLY
CONTACT: BRYCE WALKER, SPECIALY TILE, 678.687.7201, BWALKER@SPECIALTYTILE.COM

MFR: AMERICAN OLEAN, BASIS OF DESIGN
STYLE: GLAZED WALL TILE
COLOR: MUSHROOM, NO. 0038
SIZE: 4-1/4" X 4-1/4"
GROUT: TBD
LOCATION: STAFF TOILET, WET WALL ONLY; REFER TO DRAWINGS
CONTACT: BRYCE WALKER, SPECIALY TILE, 678.687.7201, BWALKER@SPECIALTYTILE.COM

CT-10 - GLAZED CERAMIC TILE - ACCENT TILE
MFR: AMERICAN OLEAN, BASIS OF DESIGN
STYLE: GLAZED WALL TILE
COLOR: SUMMER RAIN, NO. 0081
SIZE: 4-1/4" X 4-1/4"
GROUT: TBD

LOCATION: STAFF TOILET, WET WALL ONLY; REFER TO DRAWINGS
CONTACT: BRYCE WALKER, SPECIALY TILE, 678.687.7201, BWALKER@SPECIALTYTILE.COM

FRP-1 - FIBERGLASS REINFORCED PLASTIC
MFR: MARLITE, BASIS OF DESIGN

PATTERN: SMOOTH SURFACE
COLOR: \$1005-A
SIZE: 4'0 X 8'0 SHEETS
CLASS: C
NOTES: PROVIDE WITH BATTAN AND CORNER GUARDS AS REQUIRED

MFR: SHERWIN WILLIAMS, BASIS OF DESIGN

P-1 - GENERAL PAINT

COLOR: SW 7672 KNITTING NEEDLES
NOTES: TWO (2) COATS LATEX,
REFER TO SECTION 099123 INTERIOR PAINT FOR SPECIFICATION
LOCATION: THROUGHOUT, UNO

P-2 - TRIM / DOOR PAINT
MFR: SHERWIN WILLIAMS, BASIS OF DESIGN
COLOR: SW 7004 SNOWBOUND
NOTES: TWO (2) COATS LATEX,
REFER TO SECTION 099123 INTERIOR PAINT FOR SPECIFICATION
LOCATION: TYPICAL FOR ALL INTERIOR DOOR FRAMES & MISC. TRIM.

P-3 - ACCENT PAINT
MFR: SHERWIN WILLAIMS, BASIS OF DESIGN
COLOR: SW 6241 ALEUTIAN
NOTES: TWO (2) COATS LATEX,
REFER TO SECTION 099123 INTERIOR PAINT FOR SPECIFICATION
LOCATION: PER DRAWINGS

P-4 - ACCENT PAINT
MFR: SHERWIN WILLIAMS, BASIS OF DESIGN
COLOR: SW 7673 PEWTER CAST
NOTES: TWO (2) COATS LATEX,
REFER TO SECTION 099123 INTERIOR PAINT FOR SPECIFICATION
LOCATION: PER DRAWINGS

WP-1 - WOOD PANEL
MFR: ARCHITECTURAL SYSTEMS, INC., BASIS OF DESIGN
STYLE: INTERLOCK ECO-PANELS
SKU: WPVEP088
SPECIES: MAPLE
SIZE: 14" X 44"
CONTACT: ED WHITED, SPECIFIED SOLUTIONS, 864-414-3675, ED@SPECIFIEDSOLUTIONSINC.COM
LOCATION: PER DRAWINGS

ST-1 - STONE VENEER

NOTE: MATCH STONE USED AT FIREPLACE

REFER TO ARCHITECTURAL SPECIFICATIONS FOR PRODUCT INFORMATION

#### PAINT SHEEN KEY

A = FLAT
B = EGGSHELL
C = SEMI-GLOSS
D = EPOXY
E = DRY FOG

### PLASTIC LAMINATE AND COUNTERTOPS

PL-1 - PLASTIC LAMINATE

MFR: PIONITE, BASIS OF DESIGN

COLOR: KINGSLEY, NO. WW011

FINISH: STANDARD - TEXTURED / SUEDE (SD)

INSTALL: PER DRAWINGS

NOTES: EDGES TO BE PVC BANDING TO MATCH PLASTIC LAMINATE,

BY CHARTER INDUSTRIES, BASIS OF DESIGN

PL-2 - PLASTIC LAMINATE
MFR: WILSONART, BASIS OF DESIGN
COLOR: BRITTANY BLUE, NO. 321-60
FINISH: -60 MATTE
INSTALL: PER DRAWINGS
NOTES: EDGES TO BE PVC BANDING TO MATCH PLASTIC LAMINATE,
BY CHARTER INDUSTRIES, BASIS OF DESIGN

PL-3 - PLASTIC LAMINATE

MFR: WILSONART, BASIS OF DESIGN

COLOR: SATIN STAINLESS, NO. 4830K-18

FINISH: LINEARITY FINISH WITH AEON - STANDARD FINISH

INSTALL: PER DRAWINGS

NOTES: EDGES TO BE PVC BANDING TO MATCH PLASTIC LAMINATE,

BY CHARTER INDUSTRIES, BASIS OF DESIGN

PL-4 - PLASTIC LAMINATE

MFR: PIONITE, BASIS OF DESIGN

COLOR: WEDDING CAKE, NO. WT790

FINISH: STANDARD - TEXTURED / SUEDE (SD)

INSTALL: PER DRAWINGS

NOTES: EDGES TO BE PVC BANDING TO MATCH PLASTIC LAMINATE,

BY CHARTER INDUSTRIES, BASIS OF DESIGN

PL-5 - PLASTIC LAMINATE
MFR: NEVAMAR, BASIS OF DESIGN
COLOR: NEUTRAL GRAY, NO. S6012
FINISH: ARP (T-)
INSTALL: PER DRAWINGS
NOTES: EDGES TO BE PVC BANDING TO MATCH PLASTIC LAMINATE,
BY CHARTER INDUSTRIES, BASIS OF DESIGN

PL-6 - PLASTIC LAMINATE
MFR: LAMINART, BASIS OF DESIGN
COLOR: JASPAR, NO. 2200 / PEARLESCENCE
FINISH: TEXTURED (T)
INSTALL: PER DRAWINGS
NOTES: EDGES TO BE PVC BANDING TO MATCH PLASTIC LAMINATE,
BY CHARTER INDUSTRIES, BASIS OF DESIGN

PL-7 - PLASTIC LAMINATE
MFR: PIONITE, BASIS OF DESIGN
COLOR: SLATE, NO. SG288
FINISH: STANDARD - TEXTURED / SUEDE (SD)
INSTALL: PER DRAWINGS
NOTES: EDGES TO BE PVC BANDING TO MATCH PLASTIC LAMINATE,
BY CHARTER INDUSTRIES, BASIS OF DESIGN

SS-1 - SOLID SURFACE - QUARTZ

MFR: HANSTONE QUARTZ, BASIS OF DESIGN
COLOR: BLACKBURN RS401
FINISH: POLISHED
THICKNESS: 3 CM; SEE DETAIL
LOCATION: REFER TO FINISH PLANS FOR LOCATION

SS-2 - SOLID SURFACE
MFR: HI-MACS - LG HAUSYS, BASIS OF DESIGN
COLOR: RIPE COTTON G518R
FINISH: POLISHED
THICKNESS: 3 CM; SEE DETAIL
LOCATION: REFER TO FINISH PLANS FOR LOCATION

SS-3 - SOLID SURFACE
MFR: WILSONART, BASIS OF DESIGN
COLOR: DUSK ICE, NO 9203CE
FINISH: POLISHED
THICKNESS: 3 CM; SEE DETAIL
LOCATION: REFER TO FINISH PLANS FOR LOCATION

ACT-1 - ACOUSTICAL CEILING TILE (MINERAL FIBER)

#### <u>CEILINGS</u>

MFR: ARMSTRONG, BASIS OF DESIGN
STYLE: FINE FISSUED
MODEL NO: 1732
EDGE: ANGULAR TEGULAR
SIZE: 2' X2' X 5/8"
COLOR: WHITE
GRID: 15/16" PRELUDE XL
COLOR: WHITE
LOCATION: REFER TO RCPS FOR LOCATIONS

ACT-2 - ACOUSTICAL CEILING TILE (MINERAL FIBER)
MFR: ARMSTRONG, BASIS OF DESIGN
STYLE: CLEAN ROOM VL UNPERFORATED
MODEL NO: 509
EDGE: SQUARE LAY IN
SIZE: 2' X2' X 5/8"
COLOR: WHITE
GRID: 15/16" PRELUDE XL
COLOR: WHITE
LOCATION: KITCHEN / PER DRAWINGS

P-11 - CEILING PAINT

MFR: SHERWIN-WILLIAMS, BASIS OF DESIGN

COLOR: SW 7004 SNOWBOUND

FINISH: TWO (2) COATS LATEX

LOCATION: REFER TO RCPS FOR LOCATIONS

NOTES: REFER TO SECTION 099123 INTERIOR PAINTING FOR SPECIFICATION

DESIGNING ARCHITECT

WAKEFIELD BEASLEY & ASSOCIATES

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Print Record

2018-06-01 DESIGN DEVELOPMENT 100%
2018-06-18 CD PROGRESS PRINT 90%
2019-02-19 CONSTRUCTION DOCUMENTS 100%
2019-03-08 GRANT REVIEW DOCUMENTS

No. Date Description

RELEASED FOR CONSTRUCTION

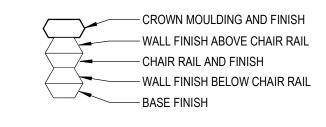
DATE February 04, 2019

PROJECT NUMBER 1816000.000

FINISH & MILLWORK
KEY NOTES &
LEGENDS

SHEET NUMBER





— WALL FINISH - BASE FINISH

ACCENT WALL FINISH

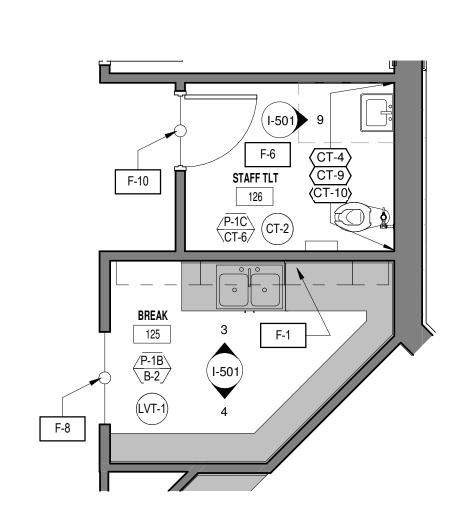
FLOOR FINISH

CEILING FINISH

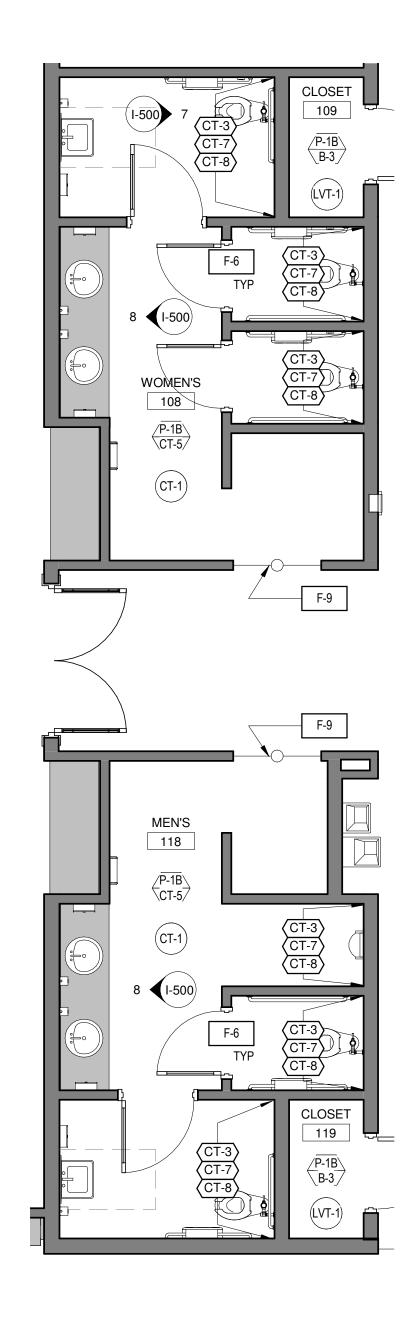
TRANSITION STRIP

F-# KEY NOTE - REFER TO SHEET I-001

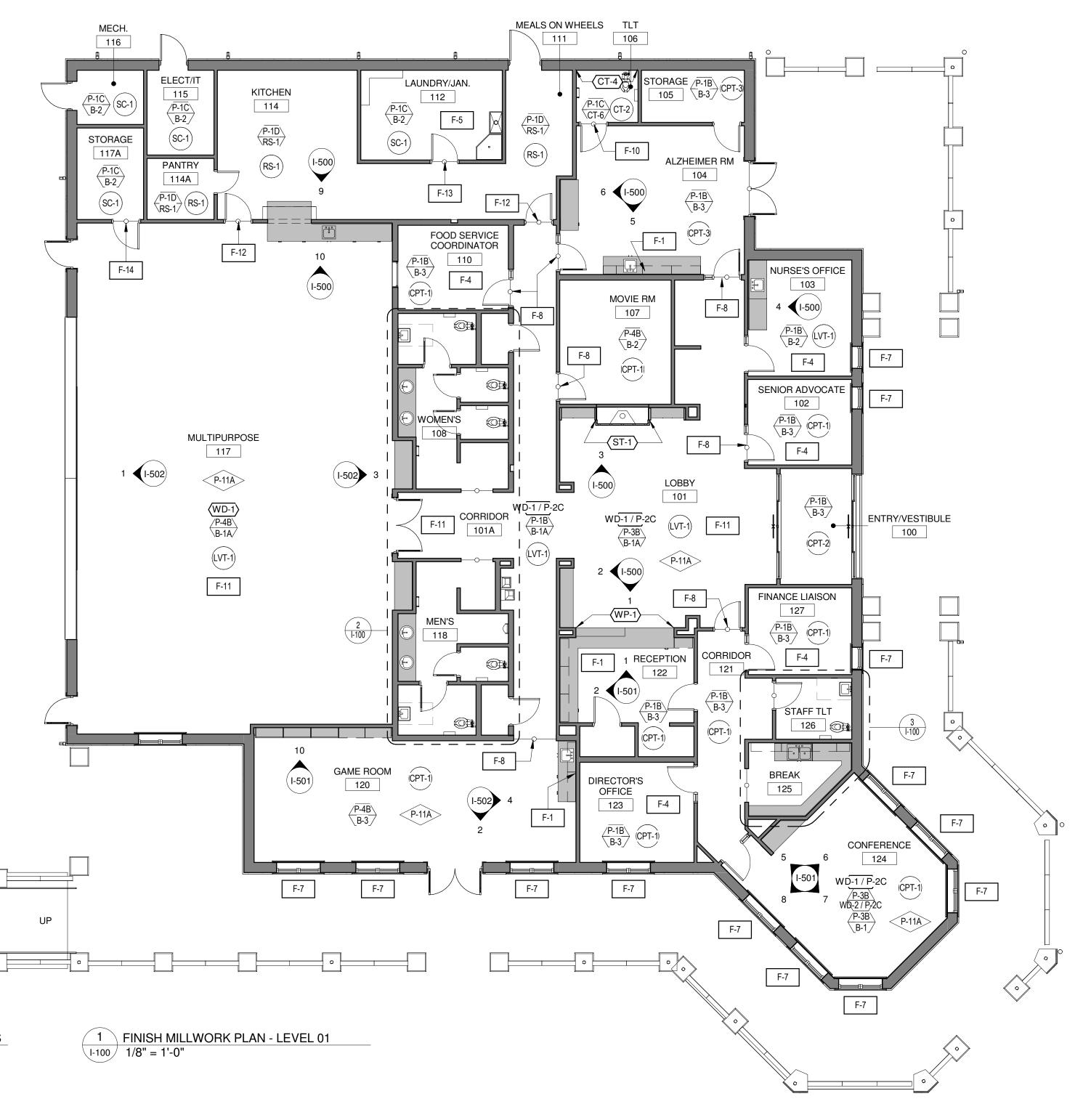
> NOTE: REFER TO SHEET I-001 FOR COMPLETE LIST OF FINISHES











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Revisions					
No.	Date	Description			

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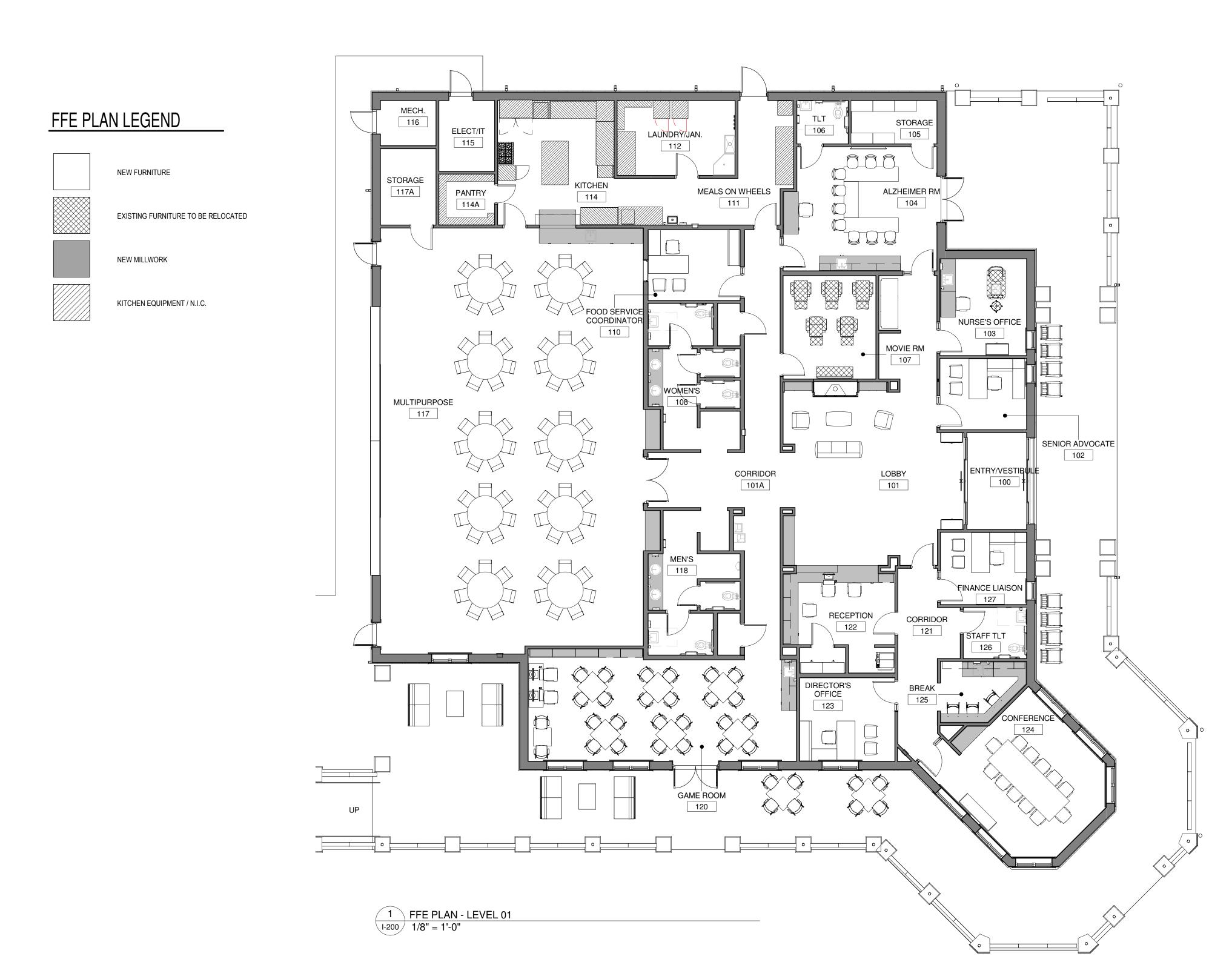
February 04, 2019

PROJECT NUMBER 1816000.000

SHEET TITLE

**FINISH MILLWORK PLAN** 

SHEET NUMBER



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Revisions				
No.	Date	Descript		

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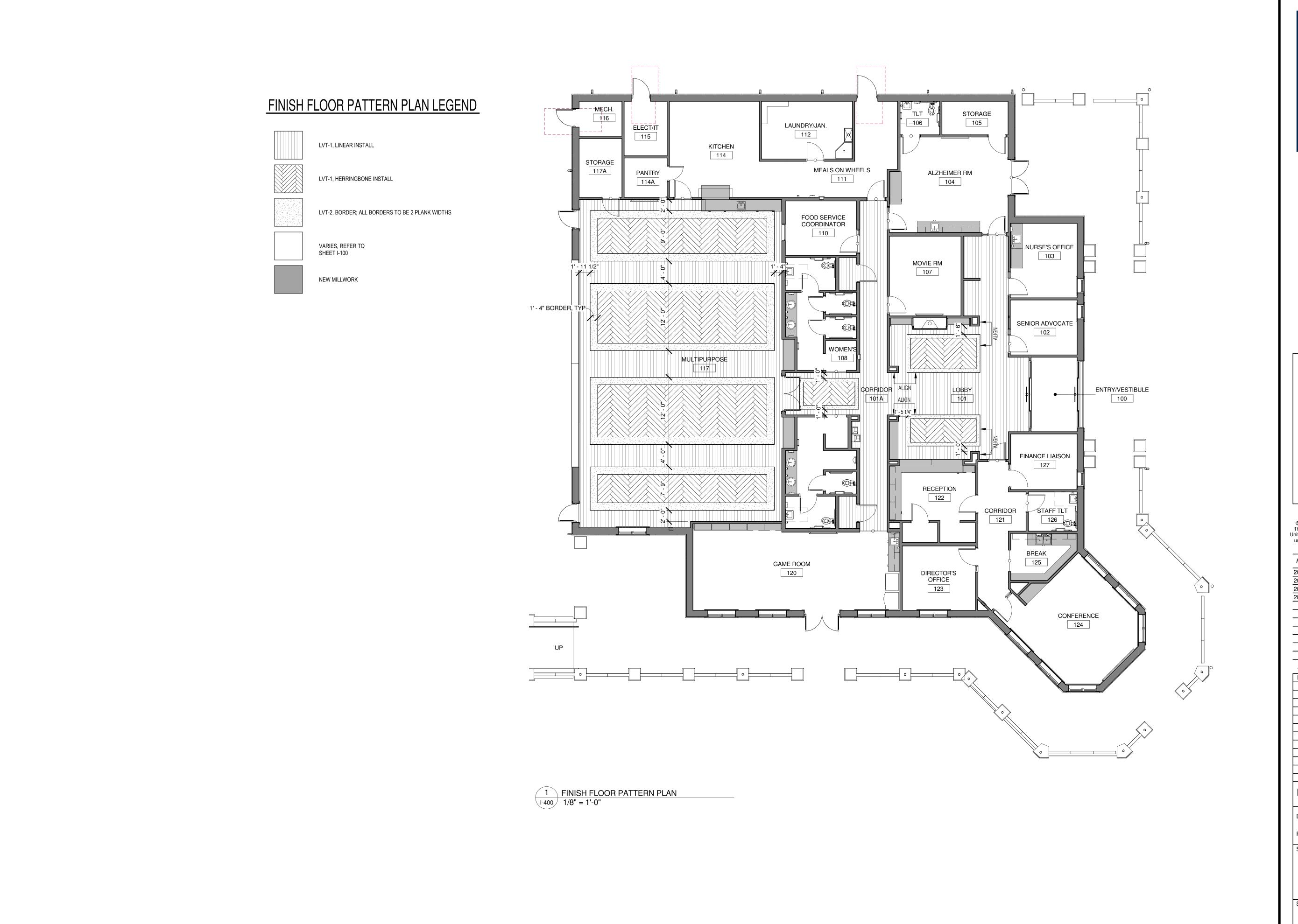
DATE February 04, 2019

PROJECT NUMBER 1816000.000

SHEET TITLE

FF&E PLAN - LEVEL ONE

SHEET NUMBER



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Revisions

No.	Date	Description

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February 04, 2019

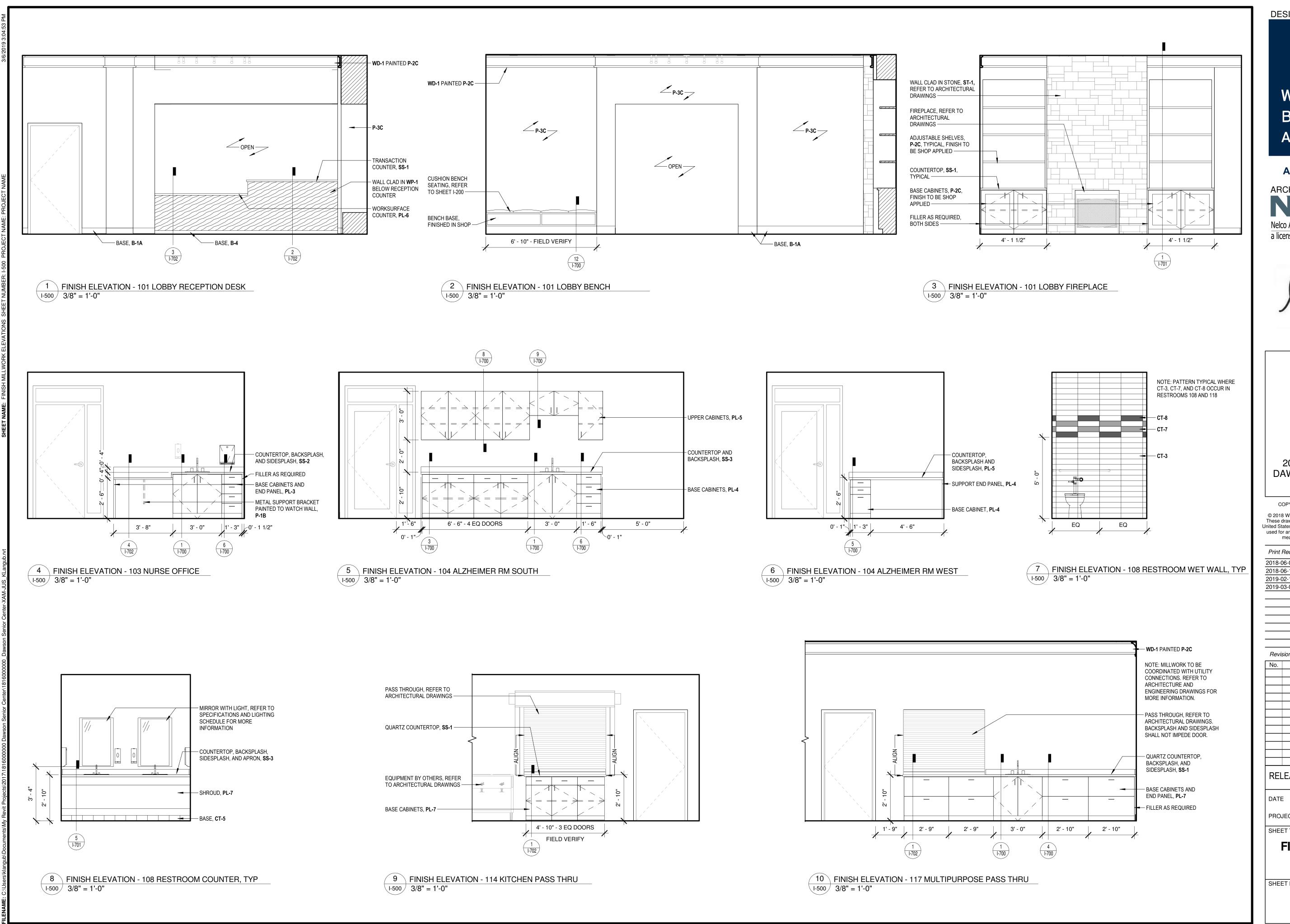
PROJECT NUMBER

1816000.000

SHEET TITLE

**FINISH FLOOR PATTERN PLAN** 

SHEET NUMBER



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1-	D-4-	D
No.	Date	Description

RELEASED FOR CONSTRUCTION

February 04, 2019

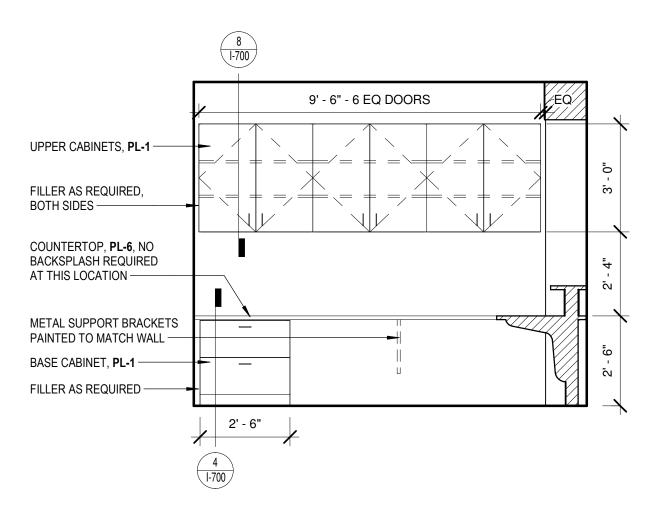
PROJECT NUMBER 1816000.000

SHEET TITLE

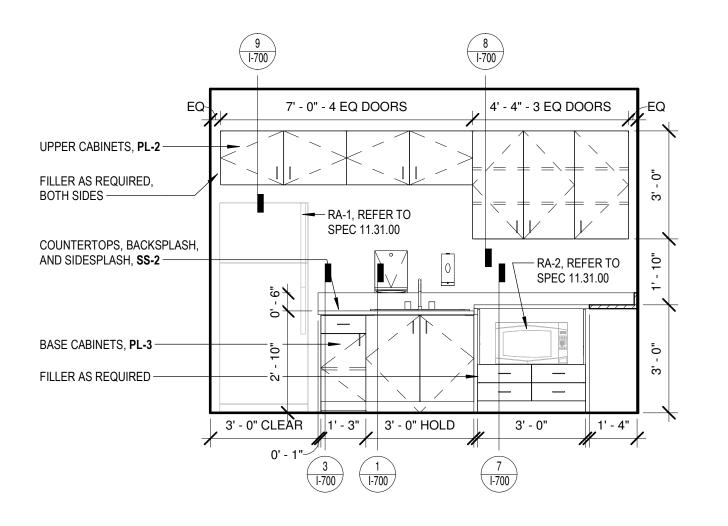
**FINISH MILLWORK ELEVATIONS** 

SHEET NUMBER

1 FINISH ELEVATION - 122 RECEPTION PLAN NORTH 1-501 3/8" = 1'-0"

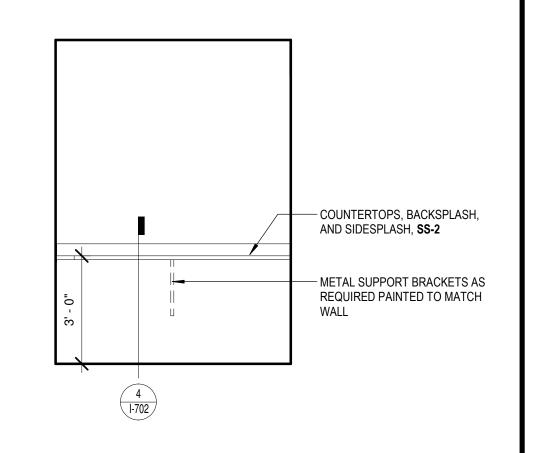


2 FINISH ELEVATION - 122 RECEPTION PLAN WEST 3/8" = 1'-0"



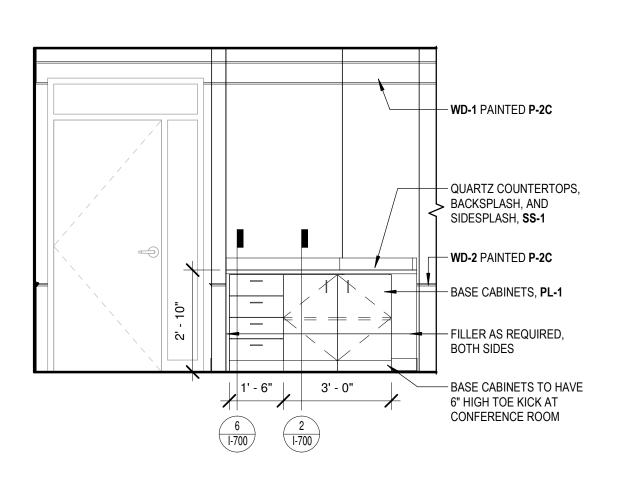
FINISH ELEVATION - 125 STAFF BREAK PLAN NORTH

3/8" = 1'-0"

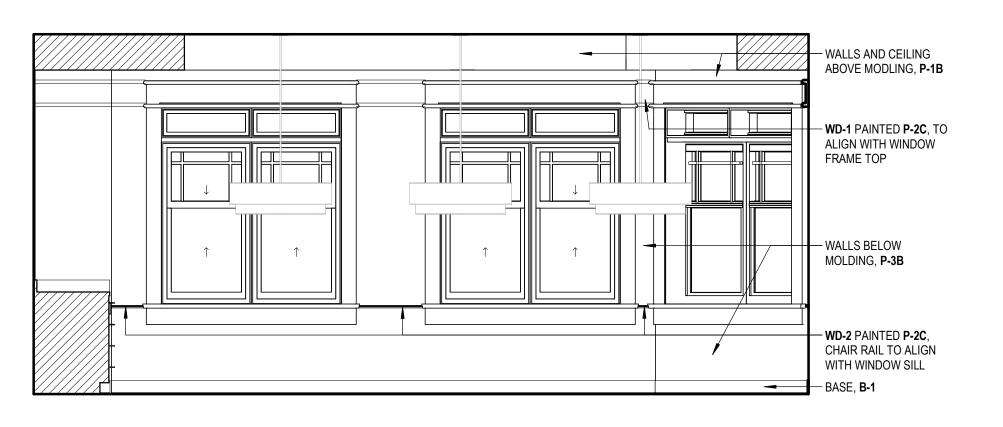


4 FINISH ELEVATION - 125 STAFF BREAK PLAN SOUTH

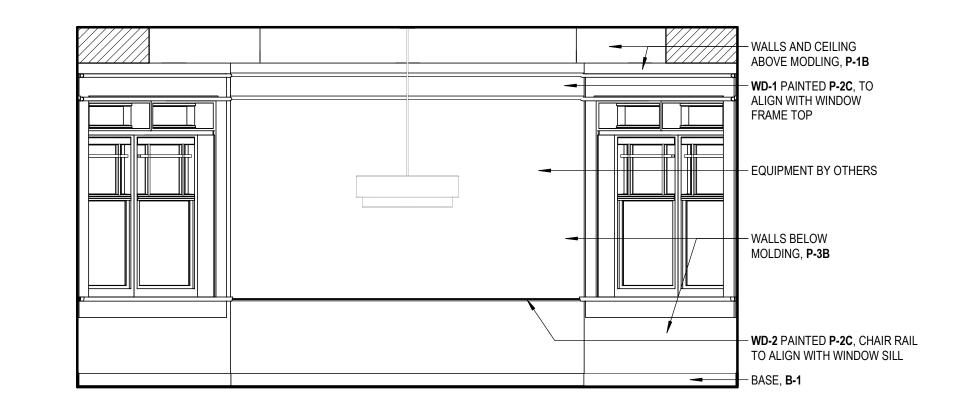
1-501 3/8" = 1'-0"



5 FINISH ELEVATION - 124 CONFERENCE PLAN NW 3/8" = 1'-0"



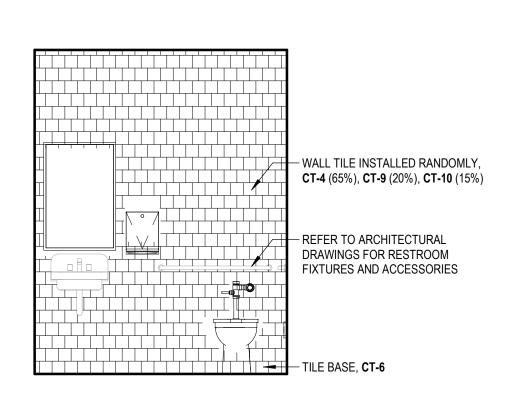
6 FINISH ELEVATION - 124 CONFERENCE PLAN NE 1-501 3/8" = 1'-0"



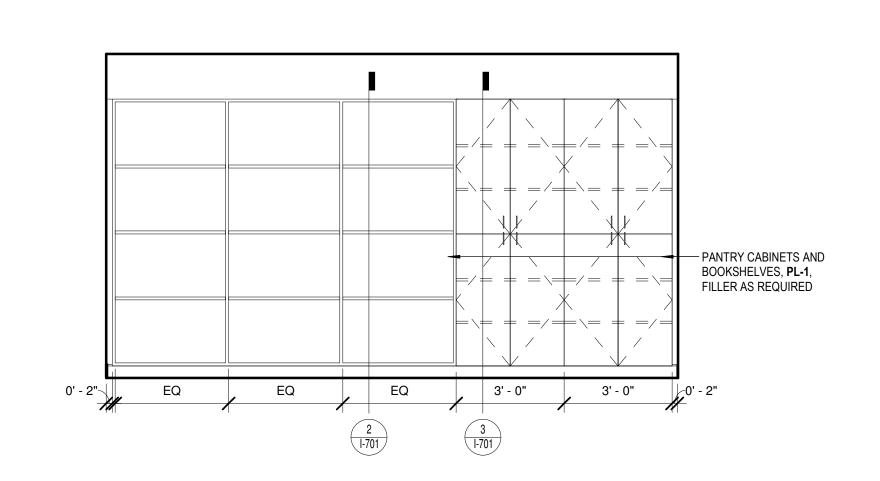
7 FINISH ELEVATION - 124 CONFERENCE PLAN SE 1-501 3/8" = 1'-0"



8 FINISH ELEVATION - 124 CONFERENCE PLAN SW 3/8" = 1'-0"



9 FINISH ELEVATION - 126 STAFF TLT 3/8" = 1'-0"



10 FINISH ELEVATION - 120 GAME ROOM PLAN NORTH
1-501 3/8" = 1'-0"

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2019-03-08 GRANT REVIEW DOCUMENTS

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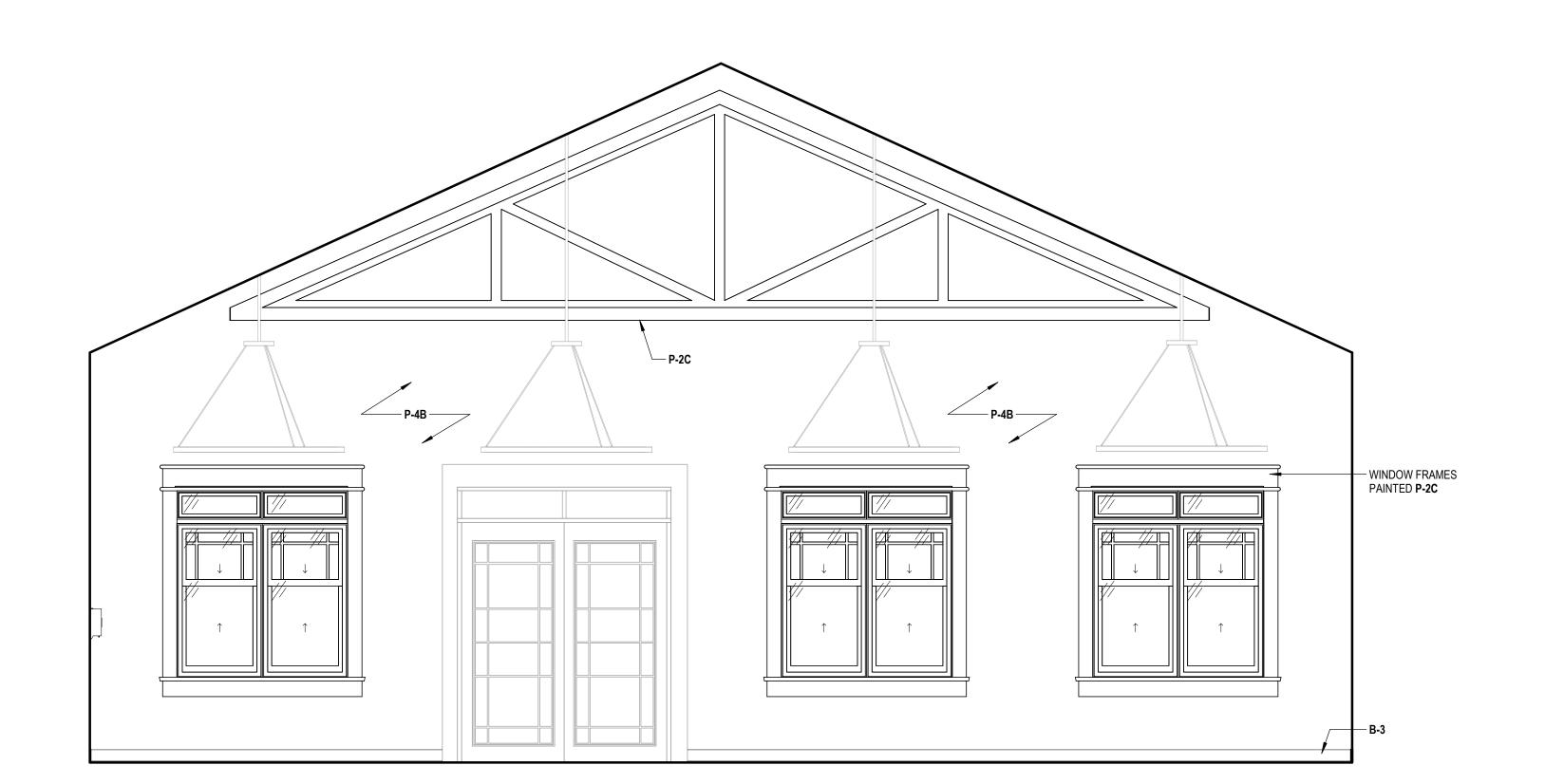
PROJECT NUMBER 1816000.000

SHEET TITLE

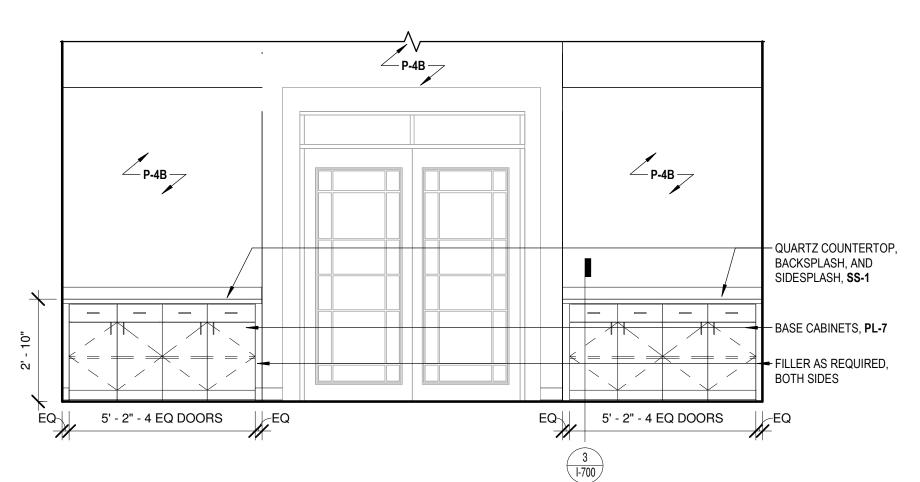
FINISH MILLWORK ELEVATIONS

SHEET NUMBER

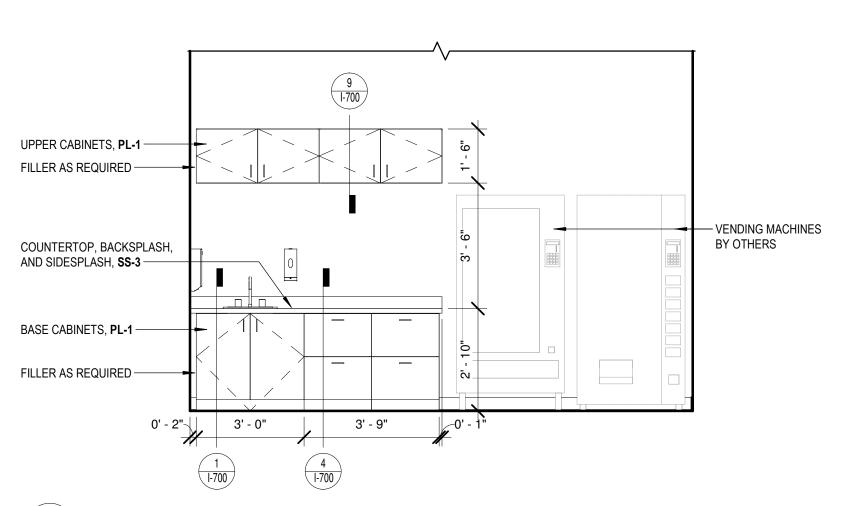
1 FINISH ELEVATION - 117 MULTIPURPOSE PLAN WEST 1-502 3/8" = 1'-0"



FINISH ELEVATION - 120 GAME ROOM PLAN SOUTH
3/8" = 1'-0"



3 FINISH ELEVATION - 117 MULTIPURPOSE ENTRY 3/8" = 1'-0"



4 FINISH ELEVATION - 120 GAME ROOM PLAN EAST 3/8" = 1'-0"

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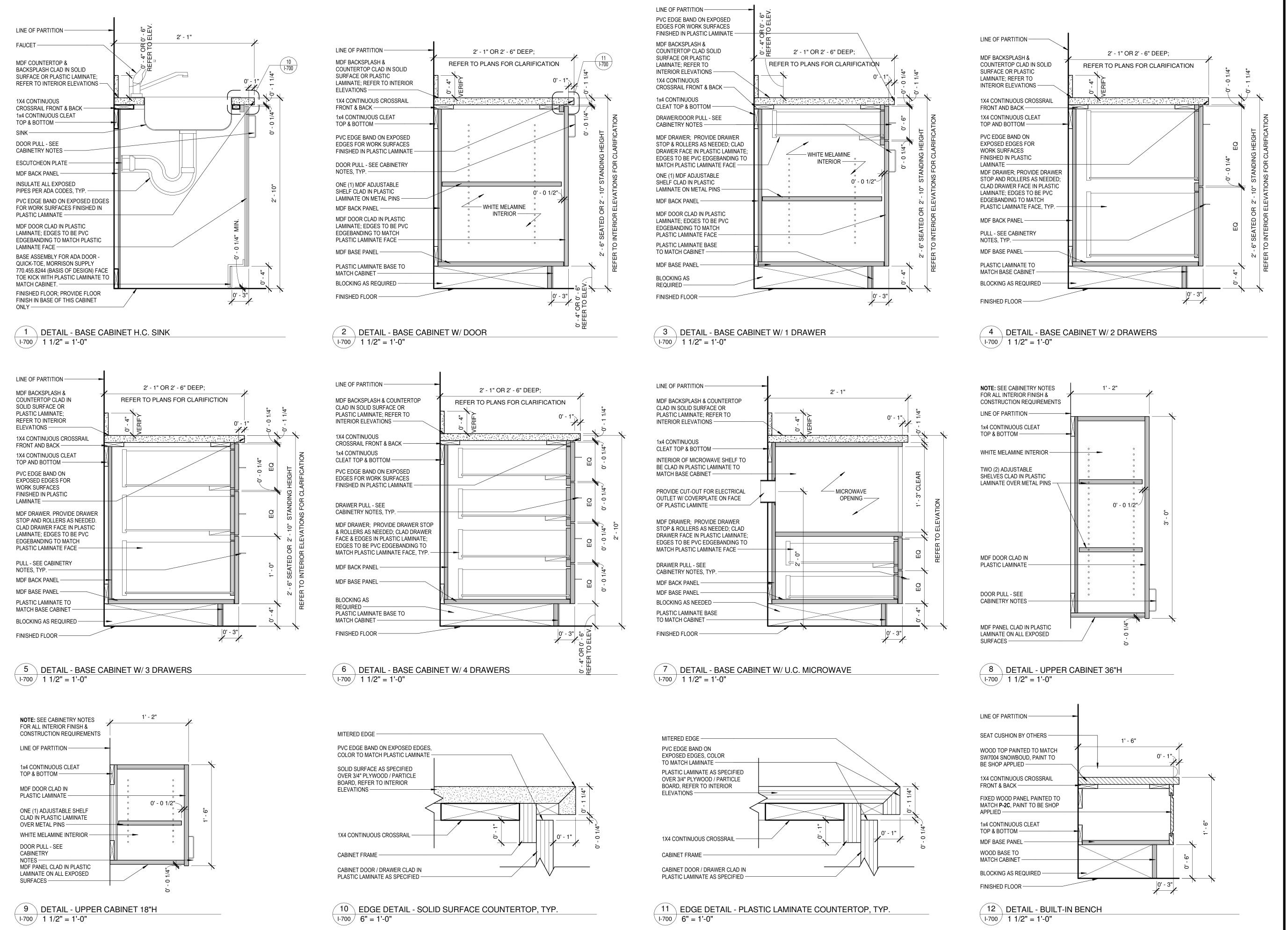
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PROJECT NUMBER 1816000.000

SHEET TITLE

FINISH MILLWORK ELEVATIONS

SHEET NUMBER



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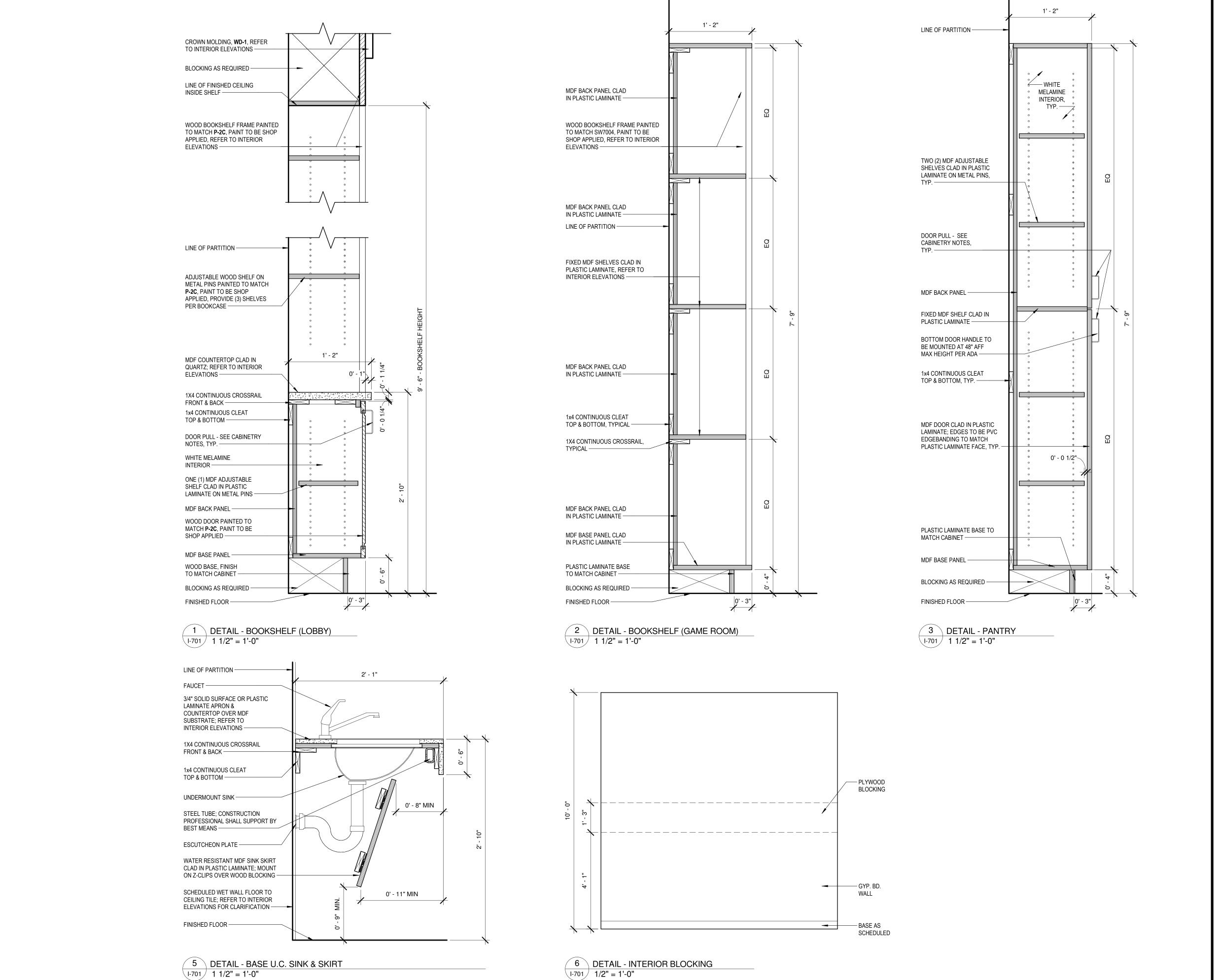
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SHEET TITLE **FINISH SECTIONS** 

**AND DETAILS** 

SHEET NUMBER



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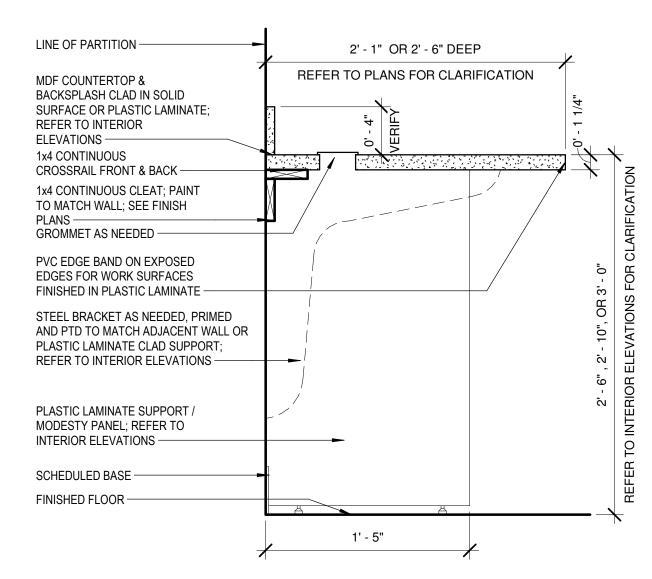
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FINISH SECTIONS

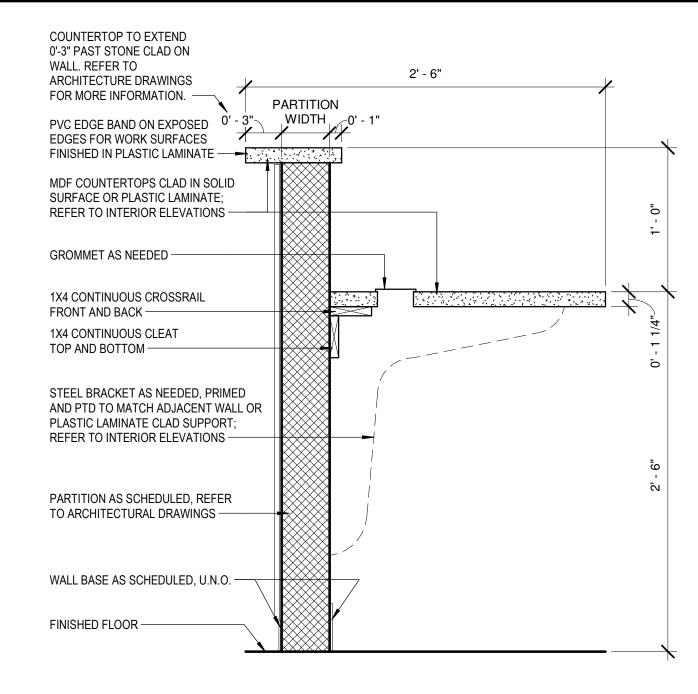
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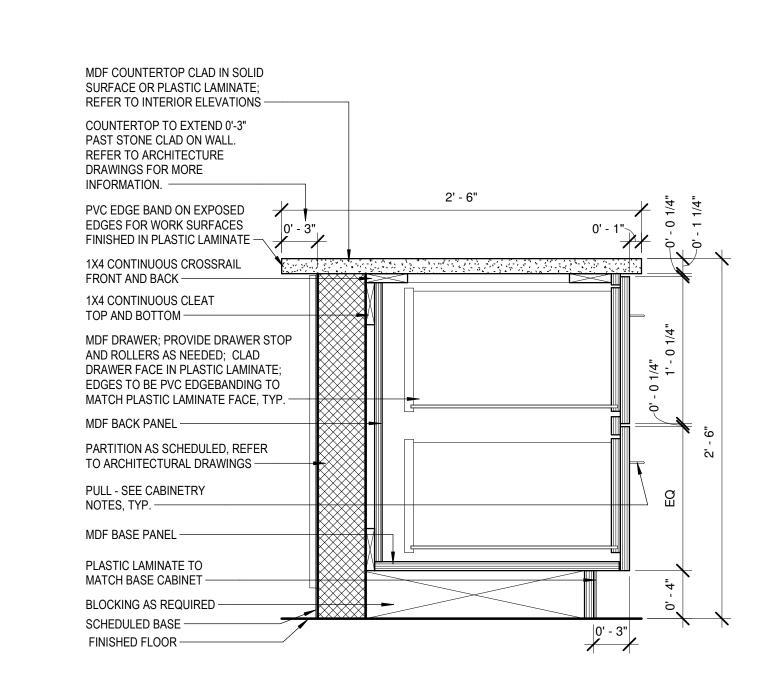
1 DETAIL - BASE @ KITCHEN PASS THRU
1-702 1 1/2" = 1'-0"



4 DETAIL - WORKSURFACE A 1-702 1 1/2" = 1'-0"



2 DETAIL - BASE @ RECEPTION TRANSACTION
1-702 1 1/2" = 1'-0"



3 DETAIL - BASE @ RECEPTION COUNTER W/ 2 DRAWERS
1-702 1 1/2" = 1'-0"

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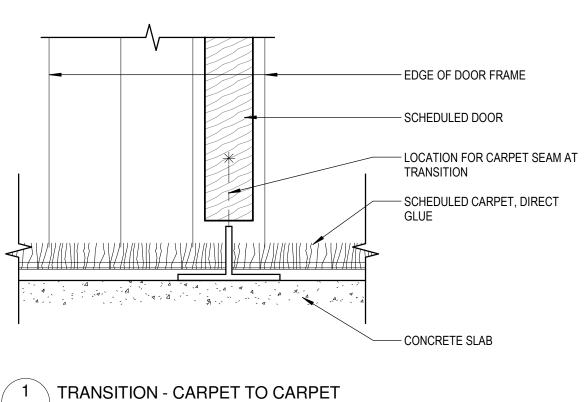
PROJECT NUMBER

1816000.000

SHEET TITLE

FINISH SECTIONS
AND DETAILS

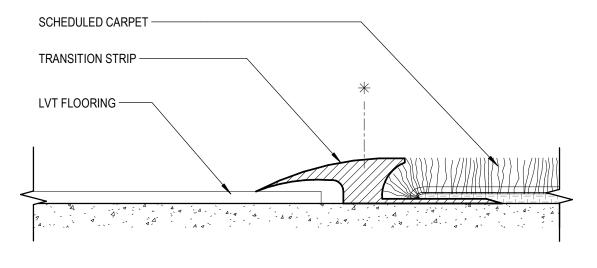
SHEET NUMBER



DENOTES DOOR CENTERLINE, IF APLICABLE RESILIENT TRANSITION STRIP, JOHNSONITE T CD-XX — CERAMIC TILE - CONCRETE SLAB - CARPET 2 TRANSITION - CARPET TO CERAMIC TILE

I-703 12" = 1'-0"

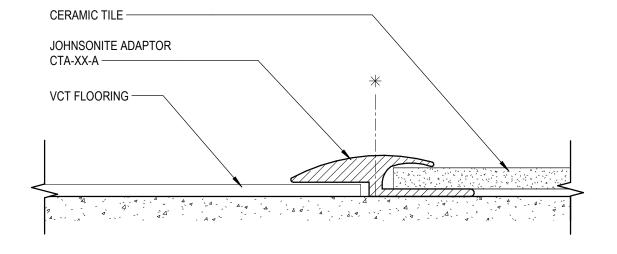
I-703 12" = 1'-0"



3 TRANSITION - CARPET TO LVT

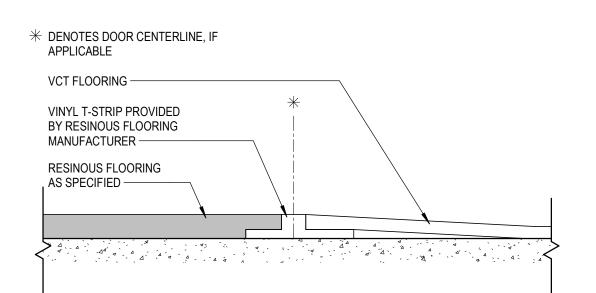
I-703 12" = 1'-0"

I-703 12" = 1'-0"

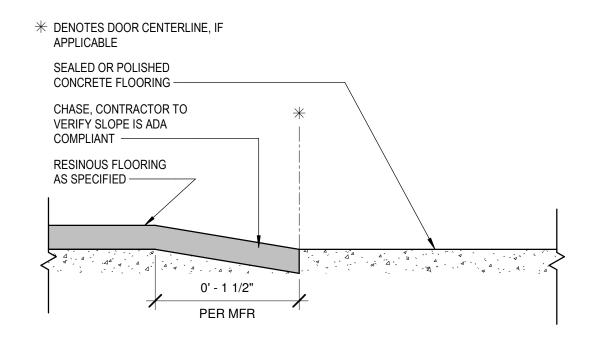


4 TRANSITION - LVT TO CERAMIC TILE I-703 12" = 1'-0"

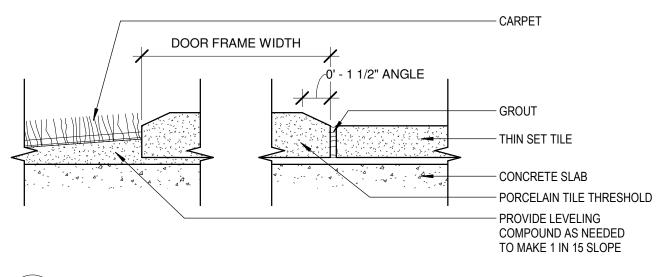
1 TRANSITION - CARPET TO CARPET I-703 12" = 1'-0"



st DENOTES DOOR CENTERLINE, IF APPLICABLE VCT FLOORING -RESILIENT TRANSITION STRIP JOHNSONITE REDUCER SSR-XX-B — SEALED OR POLISHED CONCRETE FLOORING -

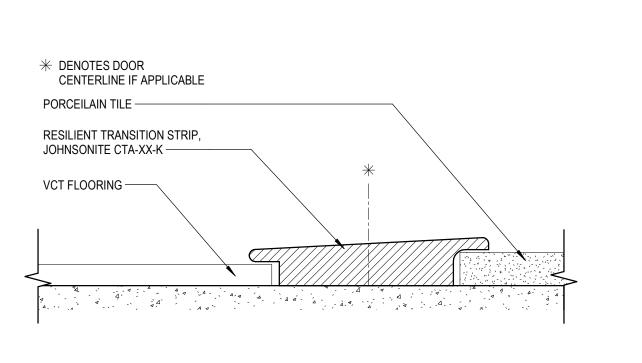


7 TRANSITION - CONCRETE TO RESINOUS FLOOR

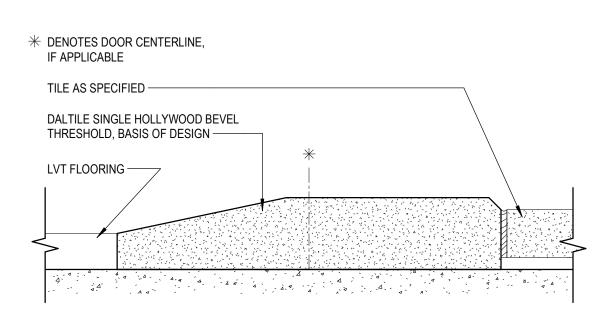


8 TRANSITION - CARPET TO PORCELAIN TILE

5 TRANSITION - LVT TO RESINOUS FLOOR I-703 12" = 1'-0"



PARTITION AS SCHEDULED — COVE STRIP — 1/8" INTEGRAL BASE AS SPECIFIED -FINISHED FLOOR AS SPECIFIED — CONCRETE SUBFLOOR —

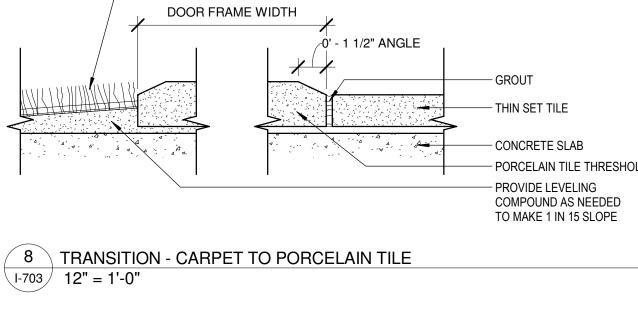


11 TRANSITION - LVT TO CERAMIC TILE (STONE) I-703 12" = 1'-0"

9 TRANSITION - LVT TO PORCELAIN TILE I-703 12" = 1'-0"

10 DETAIL - INTEGRAL RESINOUS BASE 1-703 3" = 1'-0"

6 TRANSITION - CONCRETE TO LVT



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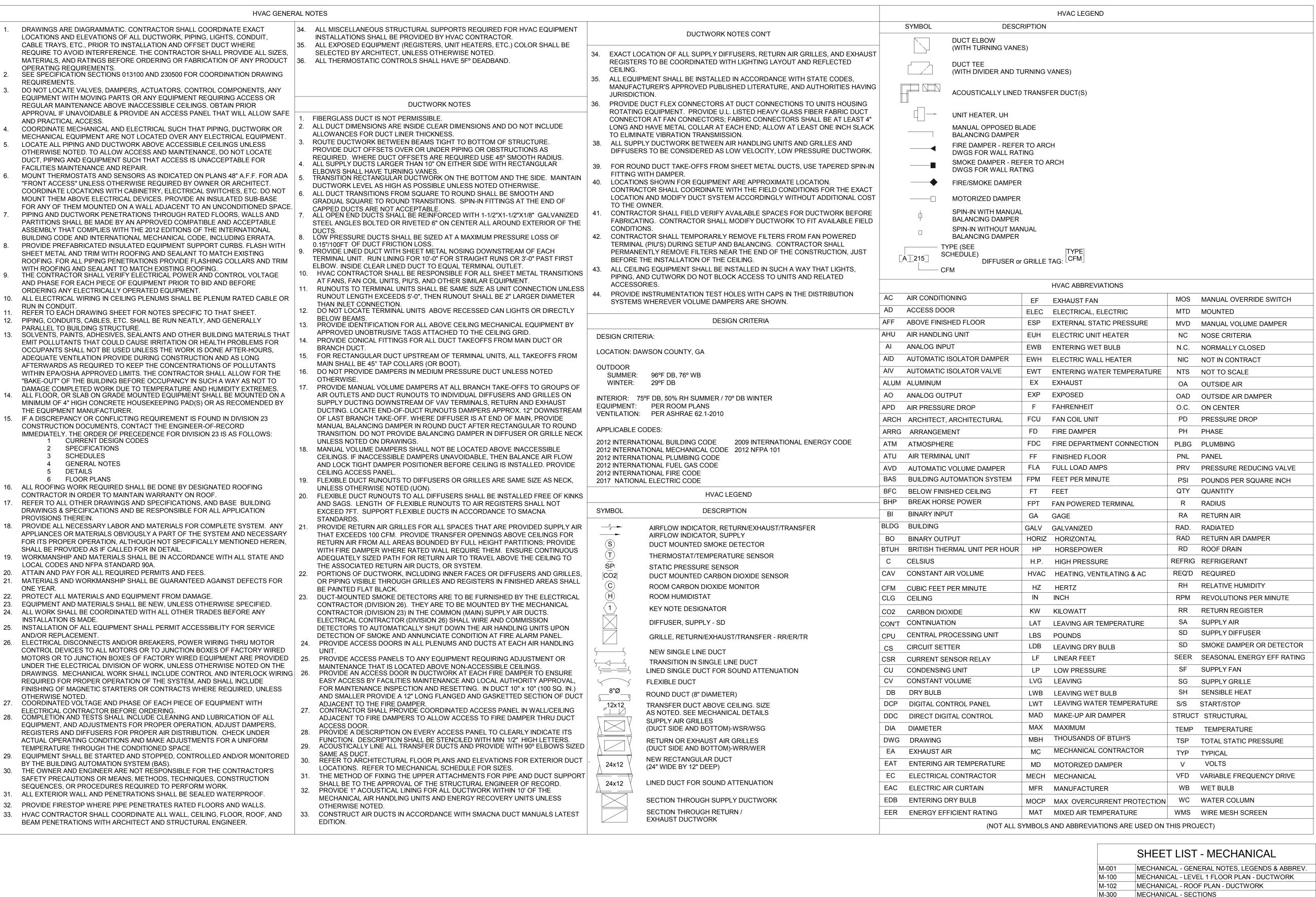
February 04, 2019

PROJECT NUMBER 1816000.000

SHEET TITLE

**FINISH SECTIONS AND DETAILS** 

SHEET NUMBER



M-001 MECHANICAL - GENERAL NOTES, LEGENDS & ABBREV.
M-100 MECHANICAL - LEVEL 1 FLOOR PLAN - DUCTWORK
M-102 MECHANICAL - ROOF PLAN - DUCTWORK
M-300 MECHANICAL - SECTIONS
M-400 MECHANICAL - ENLARGED AND PART PLANS
M-500 MECHANICAL - DETAILS
M-501 MECHANICAL - DETAILS
M-502 MECHANICAL - DETAILS
M-503 MECHANICAL - DETAILS
M-600 MECHANICAL - SCHEDULES
M-601 MECHANICAL - SCHEDULES
M-601 MECHANICAL - KITCHEN EQUIPMENT CONTROLS
M-602 MECHANICAL - KITCHEN EQUIPMENT SCHEDULES
M-603 MECHANICAL - KITCHEN EQUIPMENT SCHEDULES
M-604 MECHANICAL - KITCHEN EQUIPMENT SCHEDULES
M-700 MECHANICAL - SCHEMATICS
M-900 MECHANICAL - FOR REFERENCE ONLY

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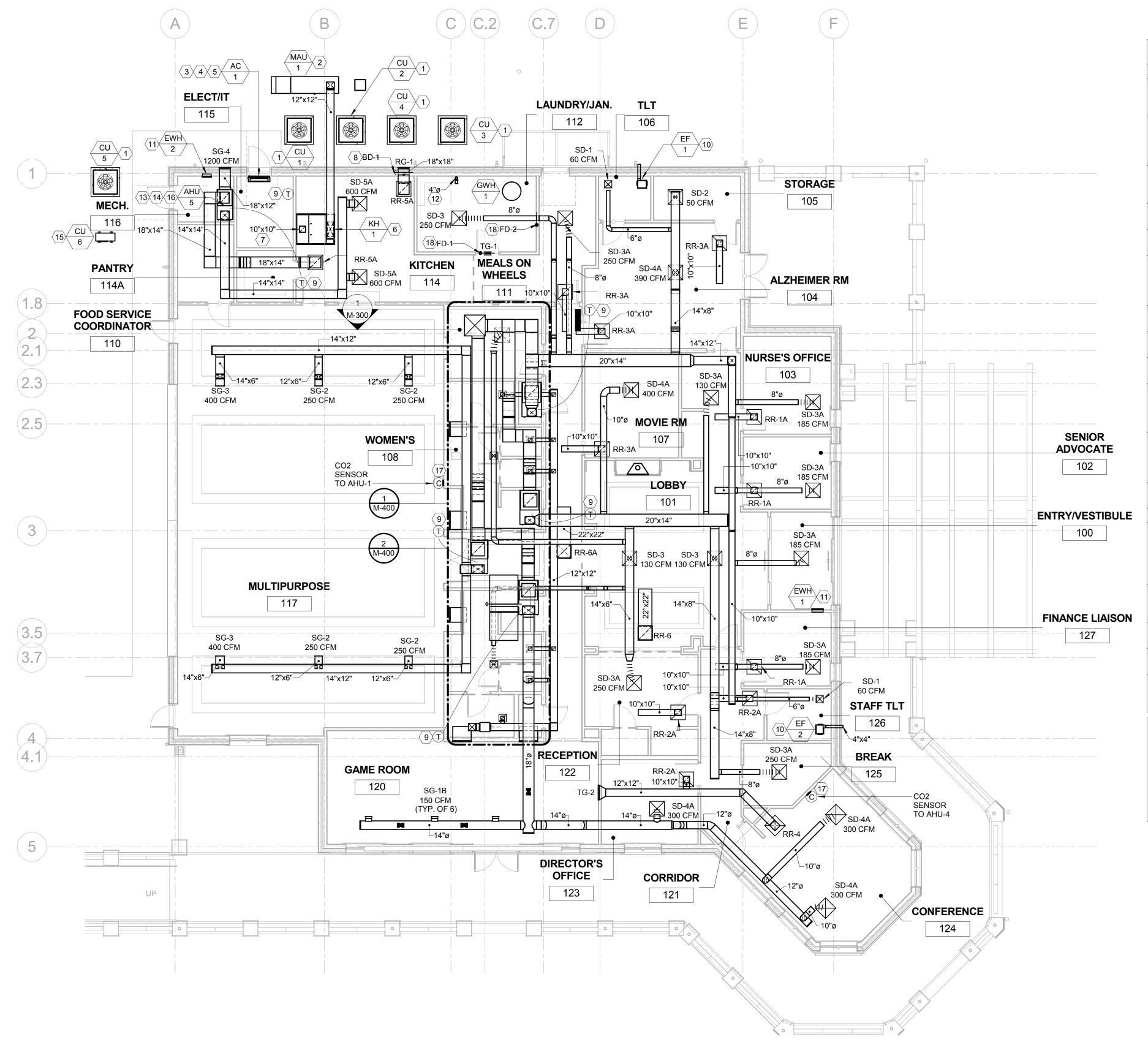
02/04/2019

PROJECT NUMBER

MECHANICAL -GENERAL NOTES, LEGENDS & ABBREV

SHEET NUMBER

 $\sqrt{1-001}$ 



KEYNOTE NO.	KEYNOTE TEXT		
1	INSTALL AND BOLT CONDENSING UNIT ONTO 4" CONCRETE PAD PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL #5 ON SHEET M-502 FOR MORE INFORMATION.		
2	INSTALL AND MOUNT MAKE-UP AIR UNIT ON 6" CONCRETE PAD PER MANUFACTURER'S INSTRUCTIONS. REFER TO DEATIL #1 ON SHEET M-501 AND KITCHEN EQUIPMENT SCHEDULES ON SHEETS M-602, 603 & 604 FOR MORE INFORMATION.		
3	MOUNT AC ABOVE DOOR AND CONNECT REFRIGERANT LINES AND CONDENSAT PIPING TO UNIT CONNECTIONS. REFER TO DETAIL #2 ON SHEET M-501 FOR MORE INFORMATION.		
4	ROUTE CONDENSATE DRAIN PIPING FROM AC TO NEAREST FLOOR DRAIN. COORDINATE LOCATION WITH OTHER TRADES.		
5	PROVIDE CONDENSATE PAN AND MOUNT BELOW AC WITH FLOW SWITCH TO SHUT-DOWN UNIT.		
6	MOUNT KITCHEN HOOD AT 80" AFF AND INSTALL PER MANUFACTURER'S INSTRUCTONS. MOUNT CONTROL PANEL ON HOOD PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL #1 ON SHEET M-502 AND KITCHEN EQUIPMENT SCHEDULES ON SHEETS M-602, 603 & 604 FOR MORE INFORMATION		
7	ROUTE 10"x10" DOUBLE WALL GREASE DUCT WITH DUCT WRAP FROM FAN ON ROOF TO HOOD OPENING.		
8	PROVIDE BAROMETRIC RELIEF DAMPER AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.		
9	MOUNT PROGRAMMABLE THERMOSTAT AT 48" AFF. COORDINATE WITH OWNER FOR FINAL LOCATION IN ROOM. (TYPICAL).		
10	INSTALL AND MOUNT CEILING EXHAUST FAN PER MANUFACTURER'S INSTRUCTIONS. TERMINATE EXHAUST VENT WITH EXTERIOR WALL CAP AND REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL HEIGHT OF WALL CAP. REFER TO DETAIL #3 ON SHEET M-500 FOR MORE INFORMATION.		
11	MOUNT AND INSTALL ELECTRIC WALL HEATER PER MANUFACTURER'S INSTRUCTIONS. MOUNT BOTTOM OF HEATER AT 12" AFF. PROVIDE INTEGRAL THERMOSTAT. COMPLETELY CONCEAL THE POWER ON/OFF SWITCH BEHIND THE FRONT GRILLE OF THE HEATER.		
12	4"Ø EXHAUST VENT UP TO ROOF. TERMINATE DRYER EXHAUST WITH VENT CAP REFER TO DETAIL #3 ON SHEET M-501 FOR MORE INFORMATION.		
13	ROUTE CONDENSATE DRAIN PPIPING FOR AHU-5 TO FLOOR DRAIN IN MECH. 110		
14	PROVIDE AN ECONOMIZER CONTROL MODULE BY HONEYWELL, MODEL W7220, WITH SYLK BUS SENSORS AND MOUNT ON THE WALL AT 60" AFF/NEAR THE UNIT THE MODULE SHALL BE USED AS A STAND ALONE, WIRED DIRECTLY TO SPACE THERMOSTAT AND SENSORS TO PROVIDE OUTDOOR AIR DRY-BULB & ECONOMIZER CONTROL.		
15	INSTALL AND MOUNT CONDENSING UNIT ON 4" CONCRETE PAD PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL #2 ON SHEET M-501 FOR MORE INFORMATION.		
16	INSTALL UPFLOW AHU AND ECONOMIZER MIXING BOX PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL #4 ON SHEET M-501 FOR MORE INFORMATION.		
17	INSTALL AND MOUNT CO2 SENSOR AT 48" AFF. COORDINATE WITH OWNER FOR FINAL LOCATION IN ROOM. (TYPICAL).		
18	PROVIDE FIRE DAMPER AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL #6 ON SHEET M-501 AND FIRE DAMPER SCHEDULE ON SHEET M-601 FOR MORE INFORMATION.		

MECHANICAL KEYNOTES

#### GENERAL NOTES:

- THE AREA ABOVE THE CEILING IS USED AS A RETURN AIR PLENUM AND ALL MATERIALS LOCATED IN THIS AREA MUST BE PLENUM RATED WITH A MINIMUM 25/50 FLAME/SMOKE SPREAD RATING.
   ALL EXPOSED DUCTWORK SHOULD BE DOUBLE WALL INSULATED SPIRAL DUCT.
- ALL EXPOSED DUCTWORK SHOULD BE DOUBLE WALL INSULATED SPIRAL DUCT.

  COORDINATE ALL DIFFUSER AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- 4. REDESIGN OF MECHANICAL WORK, WHICH IS REQUIRED DUE TO THE CONTRACTOR'S USE OF AN ALTERNATE ITEM, ARRANGEMENT OF EQUIPMENT, AND/OR LAYOUT OTHER THAN SPECIFIED HEREIN, SHALL BE DONE BY THE CONTRACTOR AND COORDINATED WITH ELECTRICAL, STRUCTURAL, AND ARCH AT HIS OWN EXPENSE. REDESIGN AND DETAILED PLANS SHOULD INCLUDE DIMENSIONS. ELECTRICAL DATA AND WEIGHT OF EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR CHANGES IN THE WORK, EITHER HIS OWN OR OTHERS, CAUSED BY SUCH REDESIGN.

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MECHANICAL - LEVEL 1 FLOOR PLAN -DUCTWORK

SHEET NUMBER

M-100

1 MECHANICAL - LEVEL 1 FLOOR PLAN - DUCTWORK

M-100 1/8" = 1'-0"

	MECHANICAL KEYNOTES
KEYNOTE NO.	KEYNOTE TEXT
1	MOUNT AND INSTALL GRAVITY INTAKE HOOD ON ROOF PER MANUFACTURER'S INSTRUCTIONS. REFER TO SECTION #1 ON SHEET M-300 AND DETAIL #3 ON SHEET M-502 FOR MORE INFORMATION.
2	MOUNT AND INSTALL GRAVITY RELIEF HOOD ON ROOF PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL #2 ON SHEET M-502 FOR MORE INFORMATION.
3	INSTALL AND MOUNT KITCHEN EXHAUST FAN ON ROOF PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL #1 ON SHEET M-502 AND KITCHEN EQUIPMENT SCHEDULES ON SHEETS M-602, 603 & 604 FOR MORE INFORMATION.
4	PROVIDE DUCT FROM UNIT FULL SIZE OF UNIT OPENING. TRANSITION AS REQUIRED TO DUCT SIZES SHOWN ON PLAN.TRANSITIONS SHALL BE MADE IN ACCORDANCE WITH SMACNA STANDARDS. VERIFY UNIT OPENING SIZES AND CONFIGURATION WITH MFR.
5	4"Ø EXHAUST VENT UP TO ROOF. TERMINATE DRYER EXHAUST WITH VENT CAP. REFER TO DETAIL #3 ON SHEET M-501 FOR MORE INFORMATION.
6	12"x12" EXHAUST AIR DUCT DOWN TO EF-3. TERMINATE EXHAUST VENT WITH VENT CAP. REFER TO DETAIL #5 ON SHEET M-501 FOR MORE INFORMATION.

GENERAL NOTES:

1. REDESIGN OF MECHANICAL WORK, WHICH IS REQUIRED DUE TO THE CONTRACTOR'S USE OF AN ALTERNATE ITEM, ARRANGEMENT OF EQUIPMENT, AND/OR LAYOUT OTHER THAN SPECIFIED HEREIN, SHALL BE DONE BY THE CONTRACTOR AND COORDINATED WITH ELECTRICAL, STRUCTURAL, AND ARCH AT HIS OWN EXPENSE. REDESIGN AND DETAILED PLANS SHOULD INCLUDE DIMENSIONS. ELECTRICAL DATA AND WEIGHT OF EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR CHANGES IN THE WORK, EITHER HIS OWN OR OTHERS, CAUSED BY SUCH REDESIGN.

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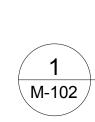
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**MECHANICAL - ROOF PLAN - DUCTWORK** 

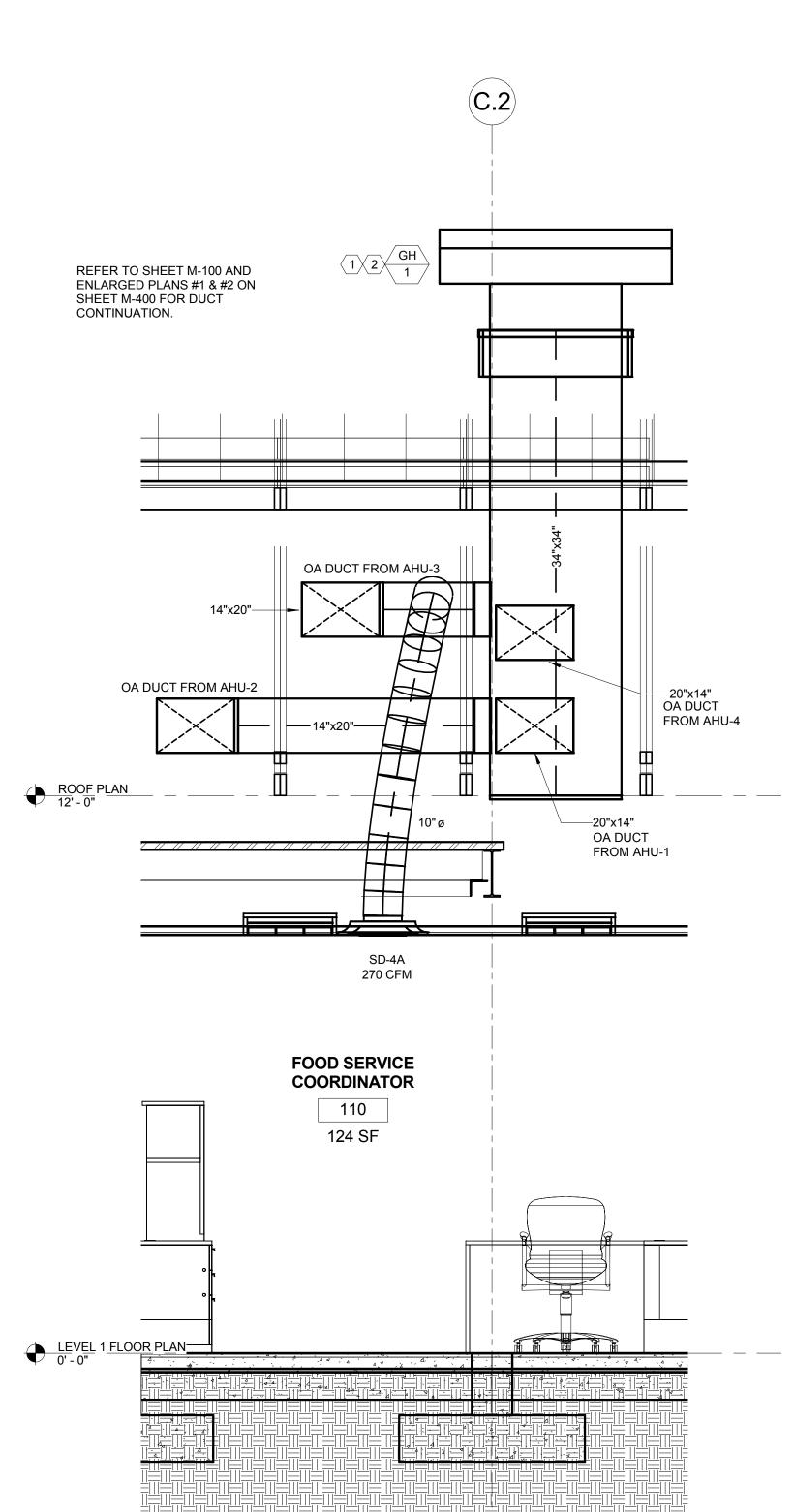
SHEET NUMBER

M-102



MECAHNICAL - ROOF PLAN - DUCTWORK

M-102 1/8" = 1'-0"



MECHANICAL - GRAVITY INTAKE HOOD - DUCTWORK M-300 1/2" = 1'-0"

MECHANICAL KEYNOTES										
KEYNOTE NO.	KEYNOTE TEXT									
1	MOUNT AND INSTALL GRAVITY INTAKE HOOD ON ROOF PER MANUFACTURER'S INSTRUCTIONS. REFER TO SECTION #1 ON SHEET M-300 AND DETAIL #3 ON SHEET M-502 FOR MORE INFORMATION.									
2	PROVIDE DUCT FROM UNIT FULL SIZE OF UNIT OPENING. TRANSITION AS REQUIRED TO DUCT SIZES SHOWN ON PLAN.TRANSITIONS SHALL BE MADE IN ACCORDANCE WITH SMACNA STANDARDS. VERIFY UNIT OPENING SIZES AND CONFIGURATION WITH MFR.									

#### **GENERAL NOTES:**

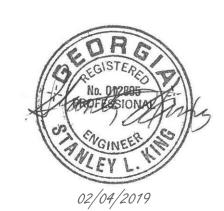
- 1. THE AREA ABOVE THE CEILING IS USED AS A RETURN AIR PLENUM AND ALL MATERIALS LOCATED IN THIS AREA MUST BE PLENUM RATED WITH A MINIMUM 25/50 FLAME/SMOKE SPREAD RATING.
- ALL EXPOSED DUCTWORK SHOULD BE DOUBLE WALL INSULATED SPIRAL DUCT.
   COORDINATE ALL DIFFUSER AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- REDESIGN OF MECHANICAL WORK, WHICH IS REQUIRED DUE TO THE CONTRACTOR'S USE OF AN ALTERNATE ITEM, ARRANGEMENT OF EQUIPMENT, AND/OR LAYOUT OTHER THAN SPECIFIED HEREIN, SHALL BE DONE BY THE CONTRACTOR AND COORDINATED WITH ELECTRICAL, STRUCTURAL, AND ARCH AT HIS OWN EXPENSE. REDESIGN AND DETAILED PLANS SHOULD INCLUDE DIMENSIONS. ELECTRICAL DATA AND WEIGHT OF EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR CHANGES IN THE WORK, EITHER HIS OWN OR OTHERS, CAUSED BY SUCH REDESIGN.

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**MECHANICAL** -**SECTIONS** 

SHEET NUMBER

MECHANICAL KEYNOTES KEYNOTE NO. **KEYNOTE TEXT** INSTALL UPFLOW AHU AND ECONOMIZER MIXING BOX PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL #4 ON SHEET M-502 FOR MORE INFORMATION. ROUTE CONDENSATE DRAIN PIPING FOR AHU TO FLOOR DRAIN UNDER LAVATORIES IN WOMEN'S 108. ROUTE CONDENSATE DRAIN PIPING FOR AHU TO FLOOR DRAIN UNDER LAVATORIES IN MEN'S 118. INSTALL AND MOUNT INLINE EXHAUST FAN PER MANUFACTURER'S INSTRUCTIONS. TERMINATE EXHAUST VENT WITH VENT CAP ON ROOF. REFER TO DETAIL #5 ON SHEET M-501 FOR MORE INFORMATION. 34"x34" OUTSIDE AIR DUCT UP TO GRAVITY INTAKE HOOD ON PROVIDE AN ECONOMIZER CONTROL MODULE BY HONEYWELL, MODEL W7220, WITH SYLK BUS SENSORS AND MOUNT ON THE WALL AT 60" AFF/NEAR THE UNIT. THE MODULE SHALL BE USED AS A STAND ALONE, WIRED DIRECTLY TO SPACE THERMOSTAT AND SENSORS TO PROVIDE OUTDOOR AIR DRY-BULB & ECONOMIZER CONTROL. PROVIDE UNIT WITH SA SMOKE DETECTOR AND MOUNT IN SA PROVIDE DUCT FROM UNIT FULL SIZE OF UNIT OPENING. TRANSITION AS REQUIRED TO DUCT SIZES SHOWN ON PLAN.TRANSITIONS SHALL BE MADE IN ACCORDANCE WITH SMACNA STANDARDS. VERIFY UNIT OPENING SIZES AND CONFIGURATION WITH MFR. 46"x46" EXHAUST AIR DUCT UP TO GRAVITY RELIEF HOOD ON PROVIDE BAROMETRIC RELIEF DAMPER AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.

1. THE AREA ABOVE THE CEILING IS USED AS A RETURN AIR PLENUM AND ALL MATERIALS LOCATED IN THIS AREA MUST BE PLENUM RATED WITH A MINIMUM 25/50 FLAME/SMOKE SPREAD RATING.

ALL EXPOSED DUCTWORK SHOULD BE DOUBLE WALL INSULATED SPIRAL DUCT. COORDINATE ALL DIFFUSER AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED

**CEILING PLANS.** 

REDESIGN OF MECHANICAL WORK, WHICH IS REQUIRED DUE TO THE CONTRACTOR'S USE OF AN ALTERNATE ITEM, ARRANGEMENT OF EQUIPMENT, AND/OR LAYOUT OTHER THAN SPECIFIED HEREIN, SHALL BE DONE BY THE CONTRACTOR AND COORDINATED WITH ELECTRICAL, STRUCTURAL, AND ARCH AT HIS OWN EXPENSE. REDESIGN AND DETAILED PLANS SHOULD INCLUDE DIMENSIONS. ELECTRICAL DATA AND WEIGHT OF EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR CHANGES IN THE WORK, EITHER HIS OWN OR OTHERS, CAUSED BY SUCH REDESIGN.

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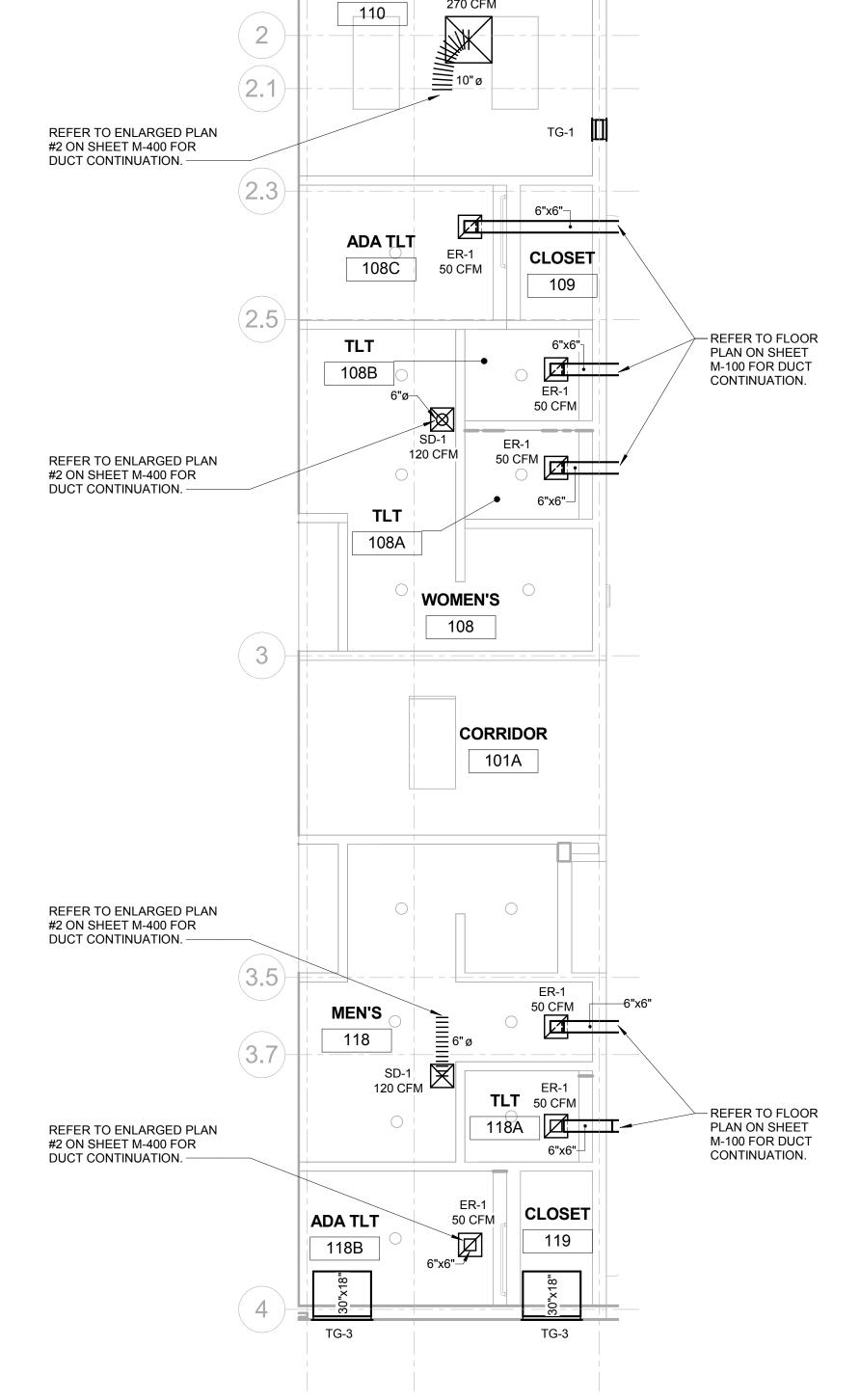
02/04/2019

PROJECT NUMBER

**MECHANICAL** -**ENLARGED AND PART PLANS** 

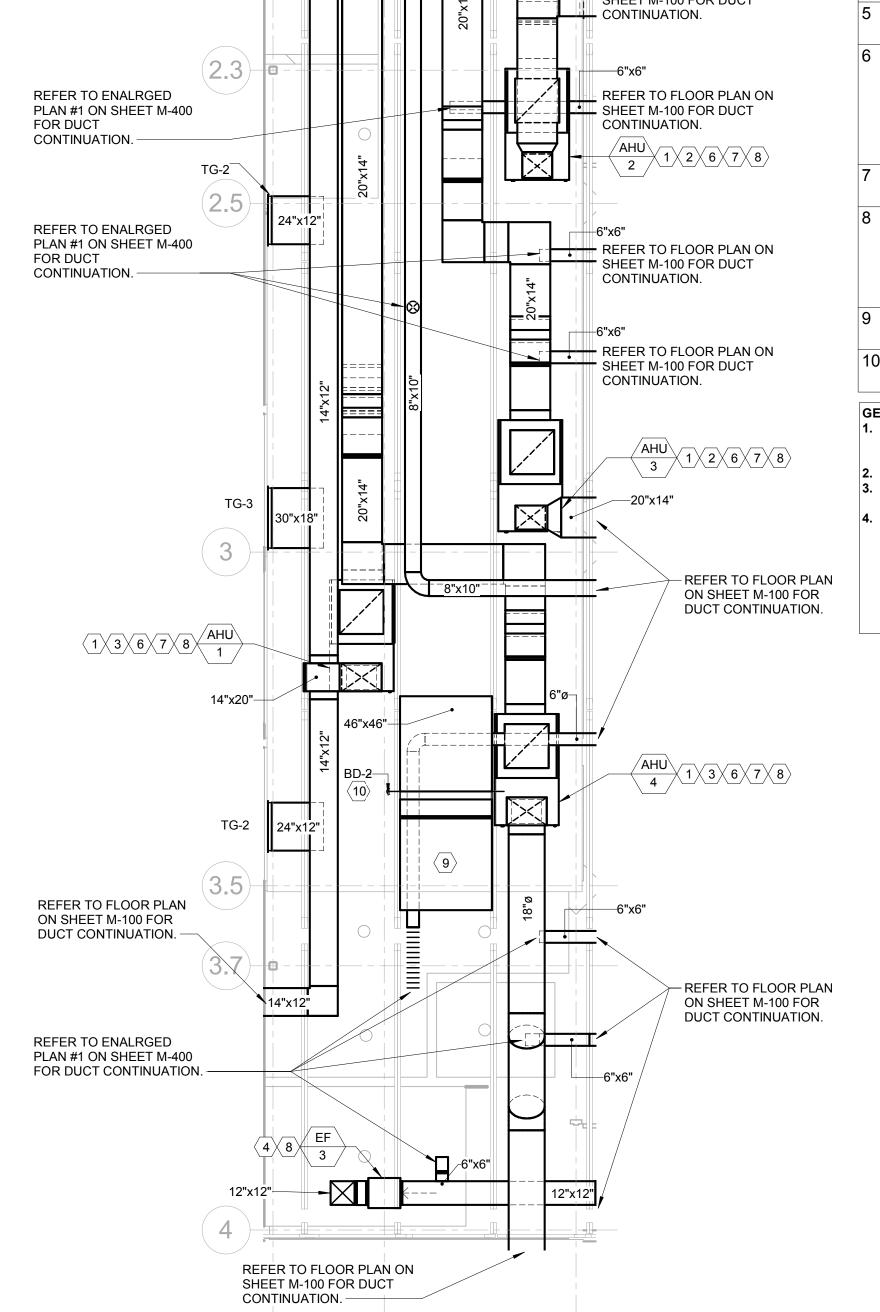
SHEET NUMBER

M-400



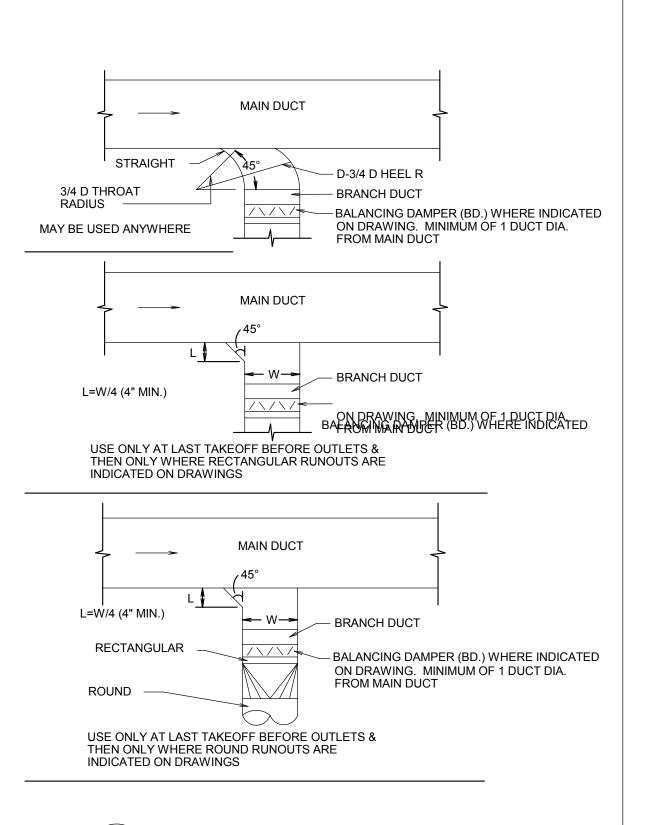
1/4" = 1'-0"

M-400 /



MECHANICAL - ENLARGED LEVEL 1 RESTROOMS - DUCTWORK MECHANICAL - ENLARGED MECHANICAL PENTHOUSE - DUCTWORK

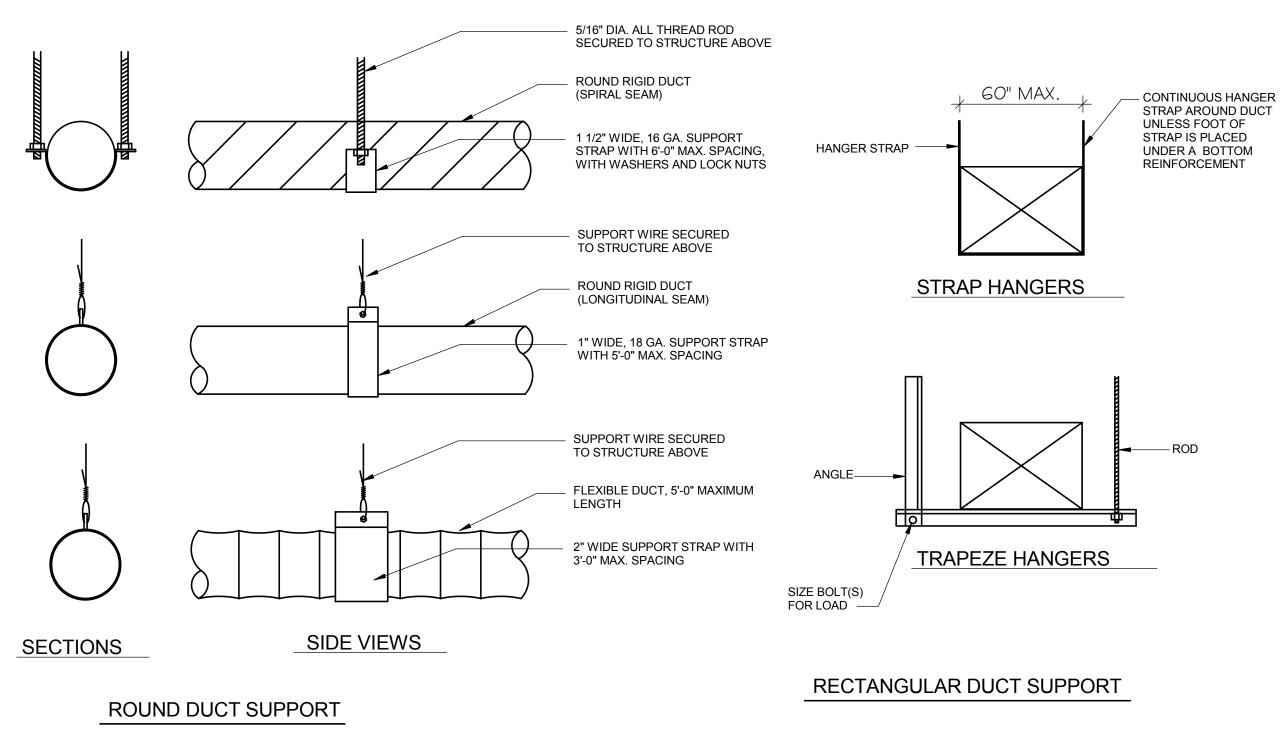
1/4" = 1'-0"



BRANCH CONNECTION (TYP)

∖ M-500 *∫* 

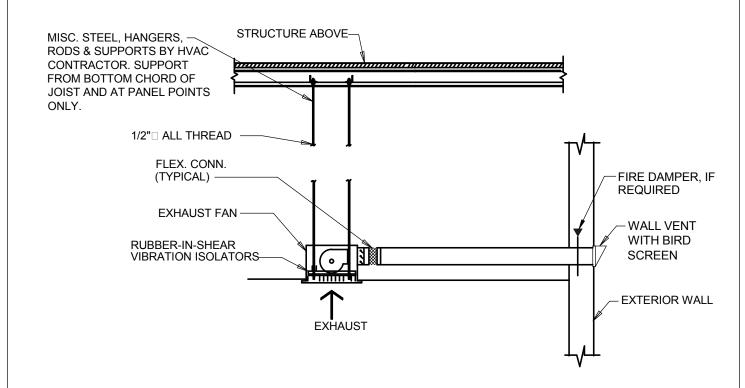
SCALE: NONE



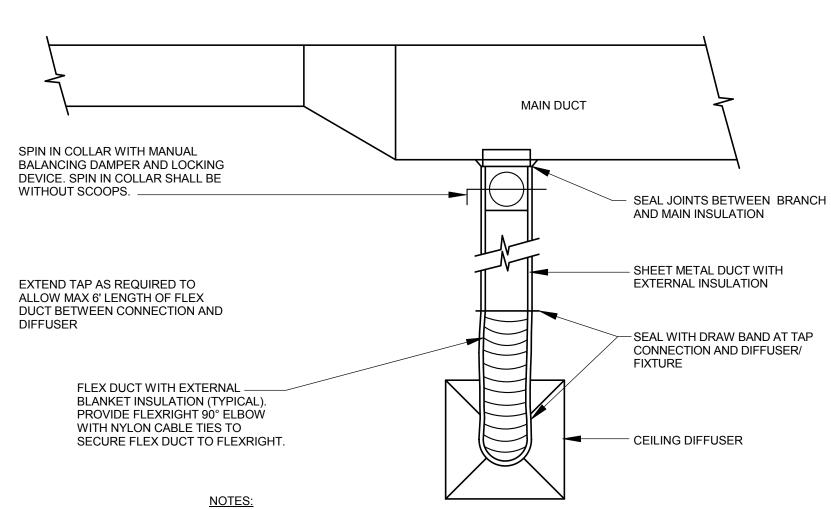
ROUND AND RECTANGULAR DUCTS SUPPORT DETAILS

M-500 /

SCALE: NONE

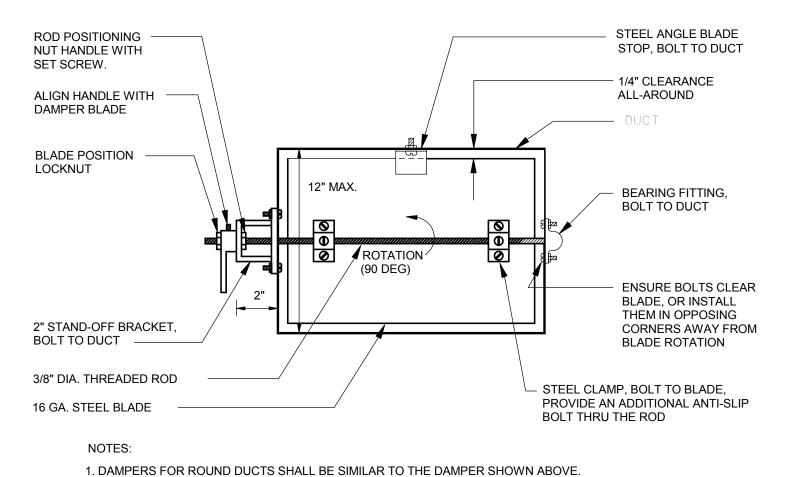


3 CEILING EXHAUST FAN DETAIL
M-500 SCALE: NONE



- TYPICAL CONNECTIONS BETWEEN DUCT AND CEILING OR
   DIEFUSERS
- 2. ONLY ONE 90° TURN ALLOWED IN FLEX DUCT WITH TURN R/D > 1.0; DUCT MUST BE PROPERLY SUPPORTED TO PREVENT KINKING
- 3. IF ADDITIONAL 90° TURNS ARE REQUIRED TO CONNECT OUTLET TO DIFFUSER, EXTEND TAP AND PROVIDE EXTERNALLY INSULATED ROUND DUCT ELBOWS AS REQUIRED.

4 DUCT MAIN AND DIFFUSER CONNECTION
SCALE: NONE

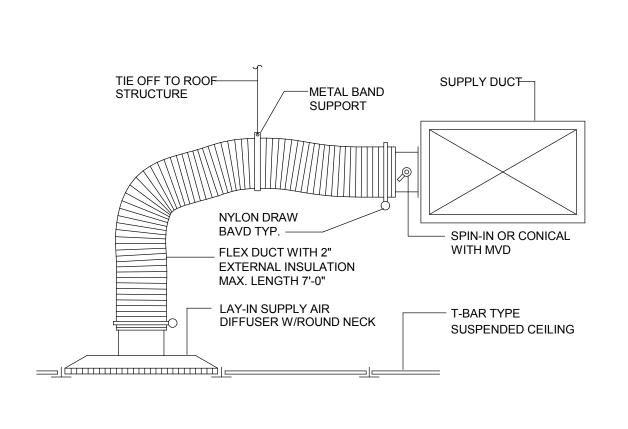


2. ENSURE THAT FULL 90° DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.

3. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS

MANUAL DAMPER (ADJ SINGLE-BLADE TYPE)

SCALE: NONE



6 SUPPLY AIR DIFFUSER
M-500 SCALE: NONE

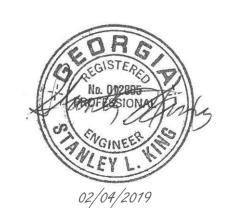
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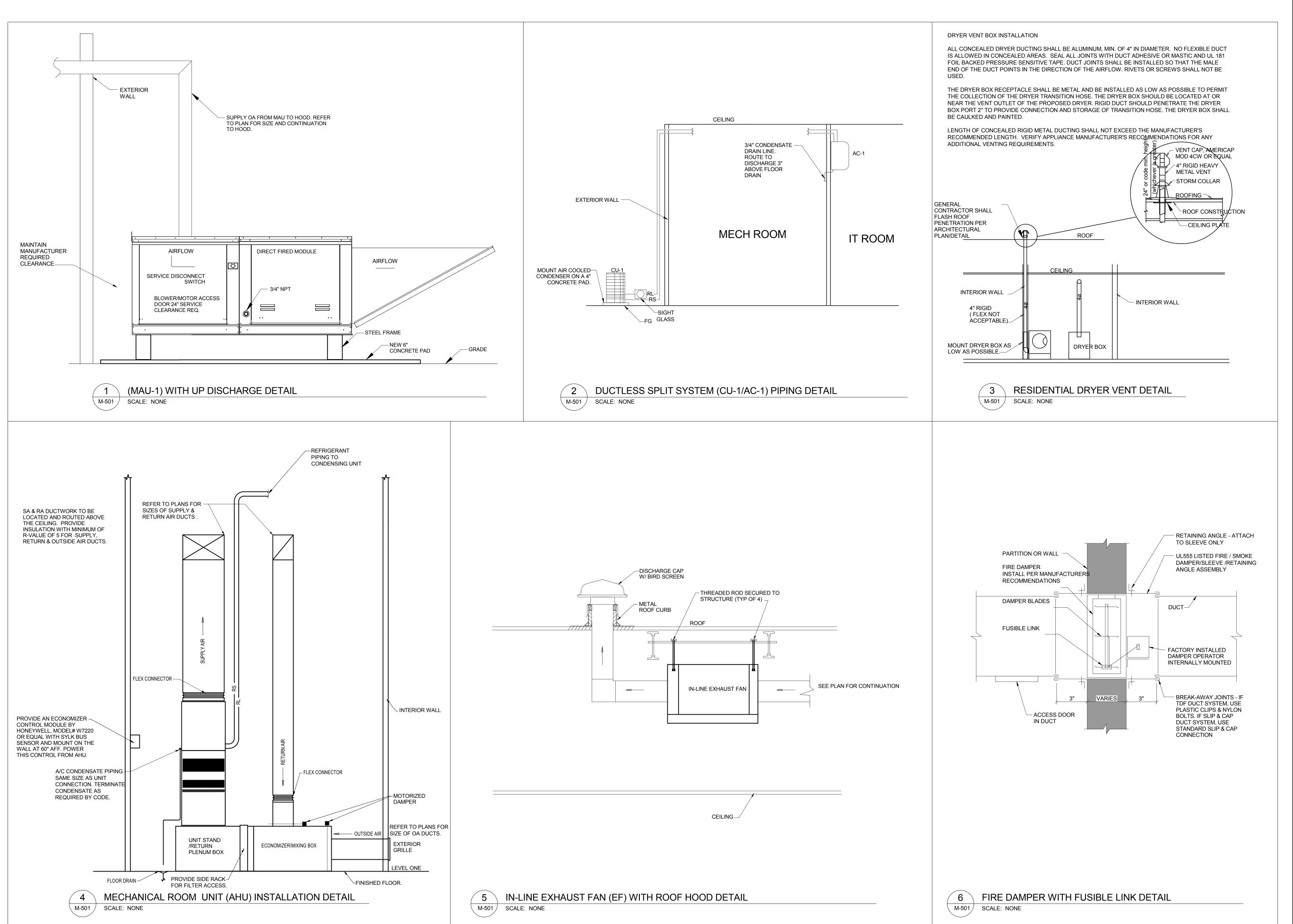
DATE 02/04/2019

PROJECT NUMBER 2018009

SHEET TITLE

MECHANICAL -DETAILS

SHEET NUMBER



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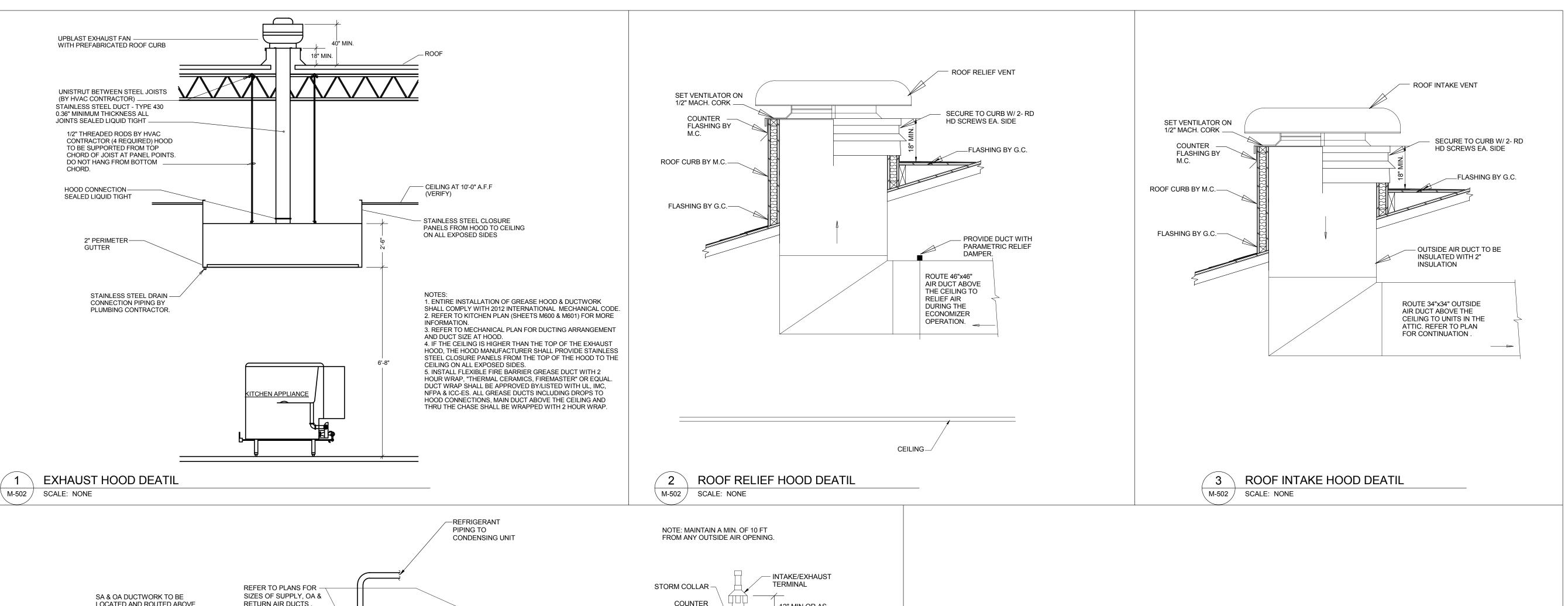
DATE 02/04/2019

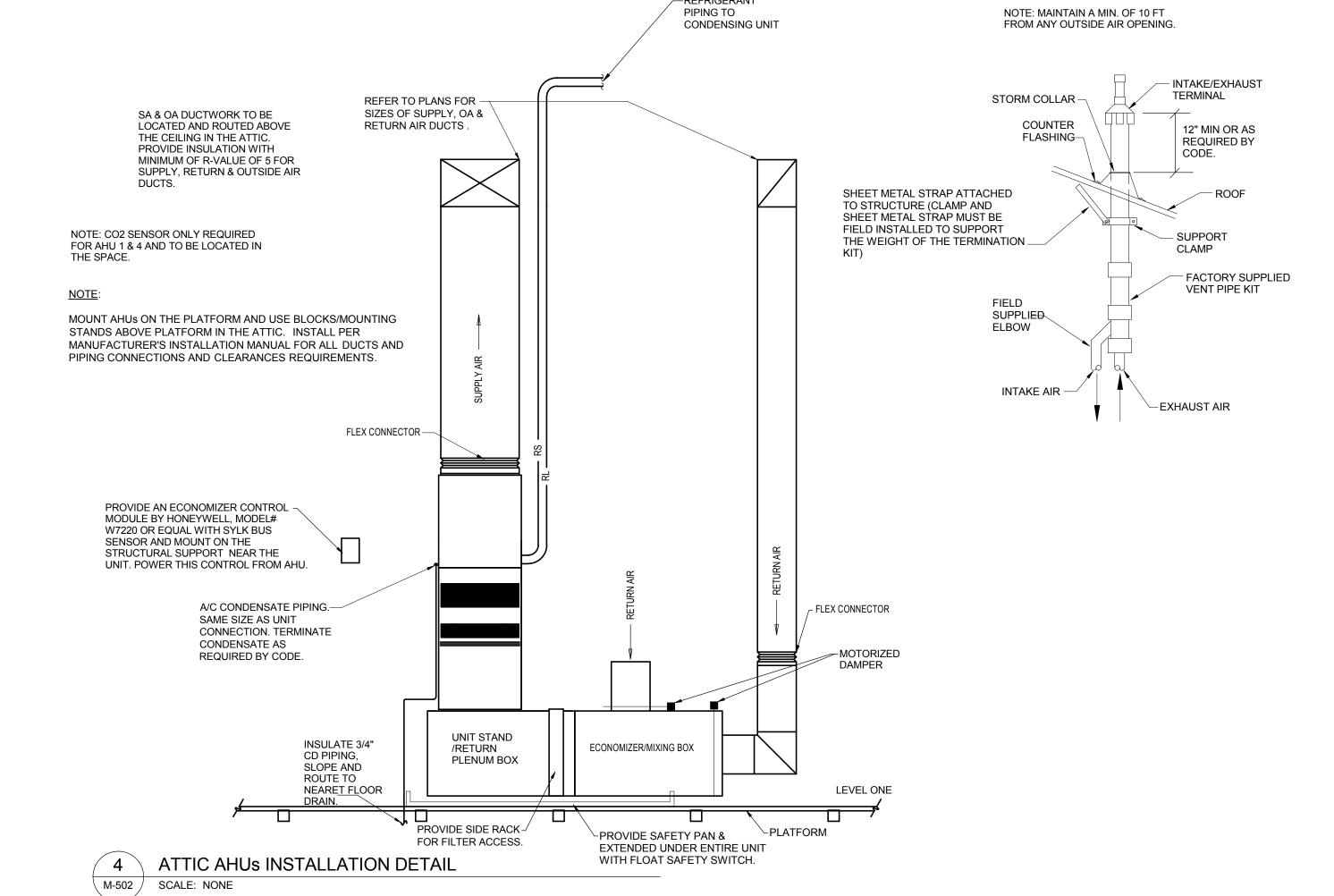
PROJECT NUMBER 2018009

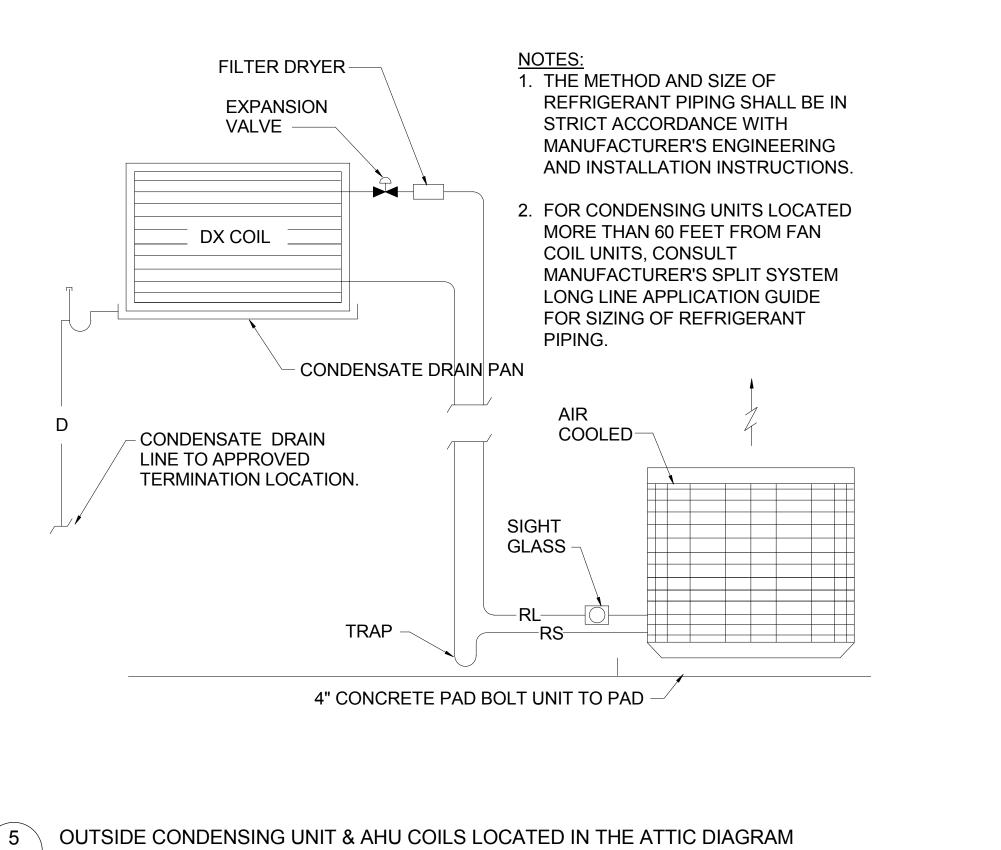
SHEET TITLE

MECHANICAL -DETAILS

SHEET NUMBER







∖ M-502 *∫* 

SCALE: NONE

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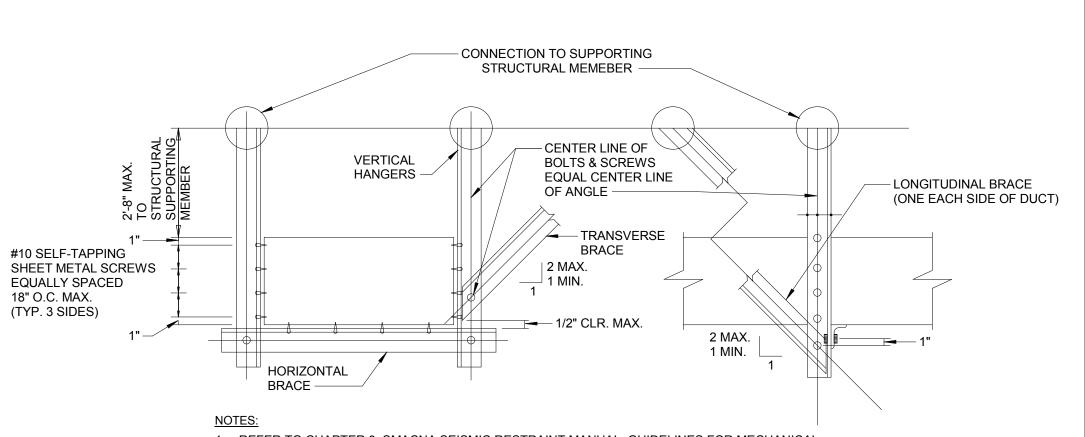
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PROJECT NUMBER 2018009

SHEET TITLE

MECHANICAL -DETAILS

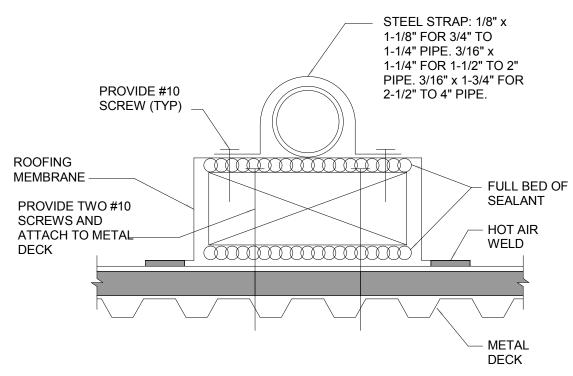
SHEET NUMBER



- 1. REFER TO CHAPTER 3, SMACNA SEISMIC RESTRAINT MANUAL, GUIDELINES FOR MECHANICAL SYSTEMS, FOR GENERAL REQUIREMENTS.
- 2. WHEN A COMBINATION OF DUCTS IS USED IN LIEU OF ONE DUCT, AT LEAST 2 SIDES OF EACH DUCT MUST BE CONNECTED TO VERTICAL OR HORIZONTAL ANGELS AND THE COMBINED WEIGHT SHALL NOT EXCEED THAT GIVEN IN THE TABLE 8.1 IN THE SMACNA SEISMIC RESTRAINT MANUAL, GUIDELINES FOR MECHANICAL SYSTEMS.
- 3. SEE TABLE 6-1 IN THE SMACNA SEISMIC RESTRAINT MANUAL, GUIDELINES FOR MECHANICAL SYSTEMS FOR VERTICAL HANGERS, DIAGONAL AND HORIZONTAL BRACES, BOLT SIZE, CONNECTION
- TO SUPPORTING STRUCTURE, AND SPACING OF BRACING. 4. THIS DETIAL SHALL BE APPLIED TO ALL RECTANGULAR DUCTWORK.

DUCTWORK LATERAL RESTRAINT (SEISMIC) REQUIREMENTS

M-503 / SCALE: NONE



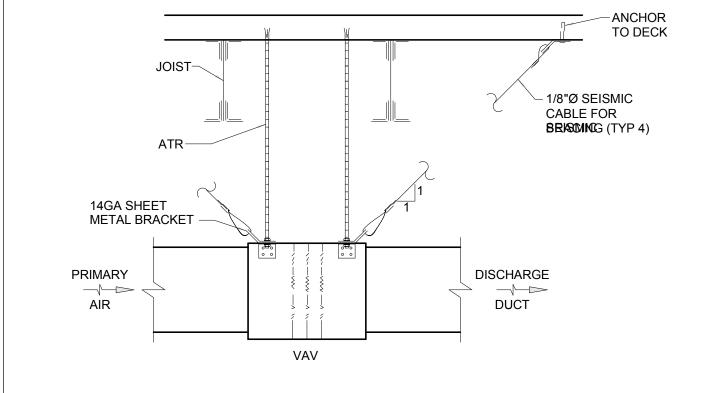
### NOTES:

- 1. FOR 1/2" TO 2" PIPES, USE 12x18 TREAD STRIP & 4x4x12 WOOD BLOCK
- FOR 2-1/2" TO 4" PIPES, USE 12x3 TREAD STRIP & 4x4x24 WOOD BLOCK. 2. PROVIDE SUPPORT AT 10'-0" INTERVALS AND CHANGES IN
- DIRECTION.

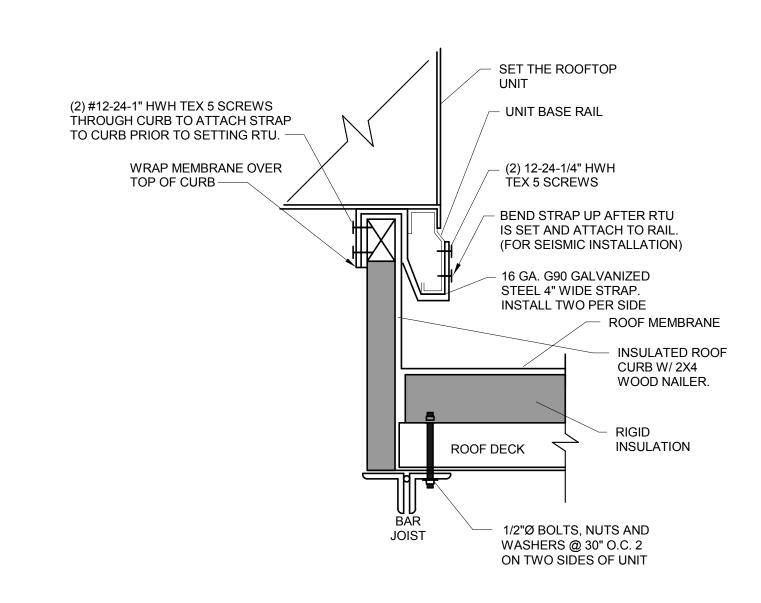
M-503 /

SEISMIC ROOF PIPING SUPPORT

SCALE: NONE



SUPPORT & SEISMIC BRACING JOIST FRAMING SYSTEM M-503 / SCALE: NONE



\ M-503 / SCALE: NONE

SEISMIC ROOF CURB (TYP)

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**MECHANICAL** -**DETAILS** 

SHEET NUMBER

AIR HANDL	ING	LINIT	SCHEDU	П
	-1110	CIVII		

	INDOOR	BASIS O	F DESIGN		GENERAL PERFORMANCE		BLOWER DRIVE DATA GAS HEATING DATA				TING DATA	ELECTRICAL DATA					WEIGHT	ASSOCIATED			
MARK	UNIT NO.	MANUFACTURER	FURNACE MODEL	LOCATION(S) SERVED	TYPE	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH) EER	MAX. CFM	OA CFM	E.S.P. (IN. WG.)		GAS HEAT STAGE 1 CAPACITY (BTU)	GAS HEAT STAGE 2 CAPACITY (BTUH)	WATTS	VOLTAGE	PH	AMPACITY (A)	MOCP (A)	(LBS.)	CU NOTES	NOTES
AHU	1	TRANE	S9V2D120U5VSAA	MULTIPURPOSE 117	UPFLOW	60,000	120,000	1800	320	.9	1	76,668	113,145	888	120	1	13.9	15	167	1	2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13
AHU	2	TRANE	S9V2D120U5VSAA	LAUNDRY, MEALS ON WHEELS, ALZHEIMER RM 104, EXT. OFFICES	UPFLOW	60,000	120,000	1800	320	.9	1	76,668	113,145	888	120	1	13.9	15	167	2	2, 3, 4, 5, 6, 8, 9, 10, 12, 13
AHU	3	TRANE	S9V2D120U5VSAA	INT. SPACES	UPFLOW	60,000	120,000	1800	320	.9	1	76,668	113,145	888	120	1	13.9	15	167	3	2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13
AHU	4	TRANE	S9V2D120U5VSAA	GAME ROOM 120, DIRECTORS OFFICE 123, CONFERENCE ROOM 124	UPFLOW	60,000	120,000	1800	320	.9	1	76,668	113,145	888	120	1	13.9	15	167	4	2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13
AHU	5	TRANE	S9V2D120U5VSAA	KITCHEN 114	UPFLOW	36,000	120,000	1200	150	.9	1	76,668	113,145	888	120	1	13.9	15	167	5	1, 3, 4, 5, 6, 7, 9, 10, 12, 13

- 1. PROVIDE 36,000 BTUH CAPACITY COOLING COIL.
- PROVIDE 60,000 BTUH CAPACITY COOLING COIL.
   PROVIDE UNIT WITH SINGLE POINT POWER CONNECTION.
- 4. PROVIDE UNIT WITH FACTORY START-UP. 5. PROVIDE UNIT WITH MOUNTED DISCONNECT.
- 6. PROVIDE UNIT WITH MERV 8 FILTERS.
- 7. PROVIDE UNIT WITH A 3-TON ECONOMIZER/MIXING BOX AND CONTROL.
- 8. PROVIDE UNIT WITH A 5-TON ECONOMIZER/MIXING BOX AND CONTROL. 9. PROVIDE UNIT WITH R-410A. NO CFC OR HCFC REFRIGERANT IS ALLOWED.
- 10. PROVIDE UNIT WITH PROGRAMMABLE THERMOSTAT.
- 11. PROVIDE UNIT WITH CO2 SENSOR. SENSOR TO BE WIRED IN SPACE.
- 12. PROVIDE UNIT WITH SA SMOKE DETECTOR. MOUNT SMOKE DETECTOR IN SA DUCT. 13. PROVIDE UNIT WITH SEISMIC BRACKETS.

CONDENSING UNIT SCHEDU

	CONDENSING UNIT SCHEDULE														
		BASIS OF DESIGN		INDOOD MOTOD		OR MOTOR GENERAL PERFORMANCE ELECTRICAL DATA WEIGHT					WEIGHT				
MARK	UNIT NO.	MANUFACTURER	MODEL	INDOOR UNIT		TOTAL COOLING MBH	TOTAL HEATING MBH	SEER	FLA (A)	VOLTAGE	PH	MCA (A)	MOCP (A)	(LBS.)	NOTES
CU	1	TRANE	4TTR4060L1000A	AHU-1	1/5	60	NA		1.05	230	1	31	50	246	1, 2
CU	2	TRANE	4TTR4060L1000A	AHU-2	1/5	60	NA		1.05	230	1	31	50	246	1, 2
CU	3	TRANE	4TTR4060L1000A	AHU-3	1/5	60	NA		1.05	230	1	31	50	246	1, 2
CU	4	TRANE	4TTR4060L1000A	AHU-4	1/5	60	NA		1.05	230	1	31	50	246	1, 2
CU	5	TRANE	4TTR4036L1000A	AHU-5	1/8	36	NA		.77	230	1	18	30	183	1, 2
CU	6	MITSUBISHI ELECTRIC	MUZ-GL12NA-U1	AC-1		12	14.4	23.1	.5	230	1	9		81	1, 2

1. PROVIDE UNIT WITH R-410A. NO CFC OR HCFC REFRIGERANT IS ALLOWED.

2. PROVIDE UNIT WITH SINGLE POINT CONNECTION.

DUCT	LESS SPLI	T SYSTEM	1 SCHEDULI

					Boote	LOG OF EIT OTOTEM OC	TILDOLL					
		BASIS OF DESIGN			GENERAL PERFORMANCE		ELECTRICAL DATA					
UNIT	NO.	MANUFACTURER	MODEL	TOTAL COOLING (MBH)	AIRFLOW RATE (CFM)	TOTAL HEATING (MBH)	VOLTAGE	VOLTAGE PH		WEIGHT (LBS.)	NOTES	
AC	1	MITSUBISHI ELECTRIC	MSZ-GL12NA-U1	12	145-170-240-320-400	14.4	230	1	CU-6	22	1, 2, 3, 4, 5, 6	

- 1. OTHER APPROVED MANUFACTURERS LG, DAIKIN, TOBISHA, SAMSUNG, YORK & TRANE.
- 2. PROVIDE UNIT WITH THERMOSTAT.
- PROVIDE UNIT WITH SINGLE POINT CONNECTION.
   MAINTAIN PROPER CLEARANCE PER MANUFACTURER'S RECOMMENDATIONS.
- 5. REFRIGERANT PIPING SHALL BE SIZED AND ROUTED PER MANUFACTURER'S RECOMMENDATIONS.
- 6. PROVIDE UNIT WITH SEISMIC BRACKETS.

#### EXHAUST FAN SCHEDULE

							ILDULL						
MARK	UNIT NO.	BASIS OF D	ESIGN	LOCATION	TYPE	CEM	E.S.P. (IN. WG.)	HP	WATTS	VOLTAGE	PH	WEIGHT	
IVIAINN	ONIT NO.	MANUFACTURER	MODEL	SERVED	IIFL	CI W E.S.I . (IN. WG.)		1 11	WATIS	VOLIAGE		(LBS.)	NOTES
EF	1	GREENHECK	SP-L80	TLT 106	CEILING MOUNTED	70	.2		27	115	1	10	1, 3, 4, 5, 6
EF	2	GREENHECK	SP-L80	STAFF TLT	CEILING MOUNTED	70	.2		27	115	1	10	1, 3, 4, 5, 6
EF	3	GREENHECK	SQ-85-VG	MEN AND WOMEN'S TLT	CENTRIFUGAL INLINE	300	.5	1/10		115	1	50	1, 2, 4, 5, 6

A. EF-1 & EF-2 RUN INTERMITTENTLY AND SHALL BE INTERLOCKED WITH LIGHTS.
B. EF-3 RUNS CONTINUOUSLY DURING OCCUPIED HOURS.

1. PROVIDE UNIT WITH DISCONNECT SWITCH.

- PROVIDE UNIT WITH MOUNTING BRACKETS.
   PROVIDE UNIT WITH CEILING AND WALL GRILLE.
- 4. PROVIDE UNIT WITH EXTERIOR VENT CAP.
- 5. PROVIDE UNIT WITH ODP MOTOR.
- 6. PROVIDE UNIT WITH SEISMIC BRACKETS.

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**MECHANICAL** -**SCHEDULES** 

SHEET NUMBER

	FIRE DAMPER SCHEDULE								
MARK	LOCATION	RATI	NGS	SYSTEM	SIZE	NOTES			
IVIAIXIX	LOCATION	HOURLY	CLASS	TYPE	SIZL	NOTES			
FD-1	LAUNDRY/JAN 112	1	П	Return Air	10"x6"-10"x6"	1, 2			
FD-2	LAUNDRY/JAN 112	1	П	Supply Air	8"ø-8"ø	1, 2			
NOTES:									

NOTES:

1. PROVIDE SLEEVE AND RETAINING ANGLES.

2. DAMPERS SHALL BE UL555. APPROVED MANUFACTURERS - GREENHECK & RUSKIN.

		BASIS OF DESI	GN				GENERAL PERFO	RMANCE				
MARK	UNIT NO.	MANUFACTURER	MODEL	SERVICE	VOLUME (CFM)	S.P. (IN. WG)	THROAT SIZE	THROAT AREA (FT2)	THROAT VELOCITY (FT/MIN)	UNIT MATERIAL	WEIGHT	NOTES
GH	1	GREENHECK	FGI	INTAKE - OUTSIDE AIR	7,200	.3	34" x 34"	8.03	897	ALUMINUM	129	1, 2, 4, 6
GH	2	GREENHECK	FGR	RELIEF - EXHAUST	7,200	.06	46" x 46"	14.69	490	GALVANIZED	237	1, 2, 3, 5, 6

NOTES: 1. UNIT IS HIGH WIND RATED.

PROVIDE UNIT WITH INSECT AND BIRD SCREEN.

. INSTALLATION TYPE IS NON-DUCTED. . INSTALLATION TYPE IS DUCTED.

5. PROVIDE UNIT WITH BAROMETRIC DAMPER.

6		PROVIDE UNIT WITH SEISMIC BRACKETS	<b>;</b>
---	--	------------------------------------	----------

				ELECTRIC WALL HEATER	SCHEDULE						
					0.15.10.15.1						1
MARK	UNIT NO.	MANUFACTURER	MODEL	LOCATION	CAPACITY (BTU/HR)	CFM	KW	AMPS	VOLTAGE	PH	NOTES
EWH	1	QMARK	AWH4407F	ENTRY/VESTIBULE 100	10,235	100	3	12.5	240	1	1, 2, 3, 4, 5
EWH	2	QMARK	AWH4407F	MECH 116	10,235	100	3	12.5	240	1	1, 2, 3, 4, 5,

1. MAINTAIN PROPER CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS.

PROVIDE UNIT WITH AN ON/OFF SWITCH.
 PROVIDE UNIT WITH A THERMAL CUTOFF.

4. PROVIDE UNIT WITH AN INTEGRAL THERMOSTAT.

5. PROVIDE UNIT WITH 2" DEEP SURFACE MOUNTING FRAME FOR SEMI-RECESSED INSTALLATION.

0		A	IR BALANCE					
MARK	UNIT	LOCATIONS SERVED	i e	A/C SYSTE	M	GENERAL	KITCHE	N HOOD
MARK	NO.	LOCATIONS SERVED	SUPPLY CFM	RETURN CFM	OUTSIDE AIR CFM	EXHAUST CFM	EXHAUST CFM	MAKE-UP CFM
AHU	1	MULTIPURPOSE 117	1800	1480	320			
AHU	2	LAUNDRY/JAN, MEALS ON WHEELS, ALZHEIMER RM 104, EXT. OFFICES	1800	1480	320			
AHU	3	INT. SPACES	1800	1480	320			
AHU	4	GAME ROOM 120, DIRECTORS OFFICE 123, CONFERENCE ROOM 124	1800	1480	320			
AHU	5	KITCHEN 114	1200	1050	150			8
MAU	1	KITCHEN 114						800
EF	1	TLT 106	Į.			70		
EF	2	STAFF TLT	1			70		
EF	3	MEN AND WOMEN'S TLT				300		
KEF	1	KITCHEN 114					1000	
		TOTAL	8400	6970	1430	440	1000	800
		AIR BALANCE:						
0 0		TOTAL MAKE-UP AIR	800	i i				, ĝ
		TOTAL OUTSIDE AIR	1430			,		
		TOTAL OUTSIDE AIR WITH MAU	2230					
		TOTAL GENERAL EXHAUST AIR	440					
		TOTAL KITCHEN EXHAUST AIR	1000					
i i		TOTAL EXHAUST WITH KITCHEN	1440					
		TOTAL QUITOIDE AID	0000					
		TOTAL OUTSIDE AIR						
		TOTAL EXHAUST AIR	1440					
		TOTAL AIR BEFORE RELIEF (WITH ALL SYSTEMS RUNNING)	790					6
		RELIEF AIR (GH-2) DURING NON-ECONOMIZATION PHASE	590			0 X 0		0 0 0
i i		NET POSITIVE BUILDING PRESSURE (ALL SYSTEMS RUNNING)	200	9%				
		TOTAL AIR BEFORE RELIEF (W/O KITCHEN RUNNING)	990					
		RELIEF AIR (GH-2) DURING NON-ECONOMIZATION PHASE	840					
8		NET POSITIVE BUILDING PRESSURE (W/O KITCHEN RUNNING)	150	10%				
			G.			i i		
		NETNEGATIVE KITCHEN PRESSURE (800 (MAKE-UP) - 1000 (EXH))	-200					
		(ONLY SYSTEMS IN KITCHEN)						
1								

MARK	MANUFAC TURER	MODEL NO.	SERVICE	DESCRIPTION	BALANCING DAMPER	FACE SIZE	NECK SIZE	CFM RANGE	MATERIAL	FINISH	NOTES
ER-1	TITUS	PAR	EXHAUST	SURFACE MOUNTED	YES	12"x12"	6"Ø	0-150	ALUMINUM	WHITE	1, 2, 5, 6
RG-1	TITUS	350RL	RETURN	SURFACE MOUNTED	YES	20"x20"	18"x18"	950-1250	ALUMINUM	TBD BY ARCH	5, 7
RR-1A	TITUS	PAR	RETURN	LAY-IN	NO	24"x24"	6"x6"	50-200	STEEL	WHITE	2, 3, 6
RR-2A	TITUS	PAR	RETURN	LAY-IN	NO	24"x24"	8"x8"	250-350	STEEL	WHITE	2, 3, 6
RR-3A	TITUS	PAR	RETURN	LAY-IN	NO	24"x24"	10"x10"	400-555	STEEL	WHITE	2, 3, 6
RR-4	TITUS	PAR	RETURN	SURFACE MOUNTED	NO	24"x24"	12"x12"	560-800	STEEL	WHITE	2, 5, 6
RR-5A	TITUS	PAR	RETURN	LAY-IN	NO	24"x24"	18"x18"	1200-1800	STEEL	WHITE	2, 3, 6
RR-6	TITUS	PAR	RETURN	SURFACE MOUNTED	NO	24"x24"	22"x22"	1800-2700	STEEL	WHITE	2, 5, 6
RR-6A	TITUS	PAR	RETURN	LAY-IN	NO	24"x24"	22"x22"	1800-2700	STEEL	WHITE	2, 3, 6
SD-1	TITUS	TMSA	SUPPLY	SURFACE MOUNTED	YES	12"x12"	6"Ø	0-120	ALUMINUM	WHITE	1, 2, 4, 5, 6
SD-2	TITUS	TMSA	SUPPLY	SURFACE MOUNTED	YES	24"x24"	6"Ø	0-120	STEEL	WHITE	1, 2, 4, 5, 6
SD-3	TITUS	TMSA	SUPPLY	SURFACE MOUNTED	YES	24"x24"	8"Ø	125-250	STEEL	WHITE	1, 2, 4, 5, 6
SD-3A	TITUS	TMSA	SUPPLY	LAY-IN	YES	24"x24"	8"Ø	125-250	STEEL	WHITE	2, 3, 4, 6, 7
SD-4A	TITUS	TMSA	SUPPLY	LAY-IN	YES	24"x24"	10"Ø	255-400	STEEL	WHITE	2, 3, 4, 6, 7
SD-5A	TITUS	TMSA	SUPPLY	LAY-IN	YES	24"x24"	12"Ø	405-600	STEEL	WHITE	2, 3, 4, 6, 7
SG-1B	TITUS	300RL	SUPPLY	DUCT MOUNTED	YES	12"x8"	10"x6"	105-275	STEEL	WHITE	6, 7
SG-2	TITUS	300RL	SUPPLY	SURFACE MOUNTED	YES	14"x8"	12"x6"	125-330	STEEL	WHITE	1, 5, 6
SG-3	TITUS	300RL	SUPPLY	SURFACE MOUNTED	YES	16"x8"	14"x6"	150-400	STEEL	WHITE	1, 5, 6
SG-4	TITUS	300RL	OUTSIDE AIR	SURFACE MOUNTED	YES	20"x16"	18"x14"	950-1250	ALUMINUM	TBD BY ARCH	5, 7
TG-1	TITUS	350RL	TRANSFER	SURFACE MOUNTED	NO	12"x8"	10"x6"	105-275	STEEL	WHITE	6
TG-2	TITUS	350RL	TRANSFER	SURFACE MOUNTED	NO	26"x14"	24"x12"	850-1100	STEEL	WHITE	6
TG-3	TITUS	350RL	TRANSFER	SURFACE MOUNTED	NO	32"x20"	30"x18"	1500-1800	STEEL	WHITE	6

1. PROVIDE DIFFUSER/REGISTER/GRILLE WITH FACE OPERABLE OPPOSED BLADE DAMPER.

2. PROVIDE WITH ROUND ADAPTER (IF NECESSARY) SEE SCHEDULE FOR NECK SIZE. 3. PROVIDE FRAME WITH ACCESSORIES FOR T-BAR LAY-IN CEILING GRID APPLICATION. PROVIDE EQUALIZING GRID.

4. PROVIDE FACTORY INSTALLED R-6 FOIL-BACKED INSULATION, PROVIDE FRAME WITH ACCESSORIES FOR HARD SURFACE/HARD CEILING APPLICATION. PROVIDE EQUALIZING GRID.
 PROVIDE FACTORY POWDER COAT FINISH WITH COLOR IN SCHEDULE ABOVE.

7. MOUNT VOLUME CONTROL DAMPER ON DUCT.

DESIGNING ARCHITECT

WAKEFIELD BEASLEY & ASSOCIATES

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### Revisions No. Date Description

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DATE

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PROJECT NUMBER

SHEET TITLE **MECHANICAL** -

**SCHEDULES** 

SHEET NUMBER

	CONTINUE IN CINIMATION										
MARK	MARK	ELECTRICAL CO	NTROL PACKAGE		USER INTERFACE	FANS CONTROLLED					
	WARK	MODEL	LOCATION	TYPE	LOCATION	MARK	TYPE	VOLT	PHASE	HP	
	CNTRLS-1	TEMP INTERLOCK	CABINET – LEFT END OF	SWITCHES	CABINET – LEFT END OF	KEF-1	EXHAUST	208	1	1/4	
	CIVINES-1	TEMP INTEREOUR	KH-1	SWITCHES	ONDINE! LEFT LIND OF	MAU-1	SUPPLY	208	1	1	

#### **CONTROL FEATURES**

2 POSITION LIGHT SWITCH - QTY 1

2 POSITION FAN SWITCH - QTY 1

INTEGRATED EXHAUST TEMPERATURE INTERLOCK SYSTEM

-FACTORY MOUNTED EXHAUST TEMPERATURE SENSORS - QTY 1

-COMPLIES WITH INTERNATIONAL MECHANICAL CODE 2015 SECTION 507.1.1

THERMAL OVERLOADS IN CABINET

FIRE SYSTEM INFORMATION

MARK	MODEL	LOCATION	FLOW F	POINTS	SUPPLY	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM	
IVIARK	IVIODEL	LOCATION	HOODS	PCU	LINE	DETECTION	IVIARR(3) FROTECTED BY FIRE SYSTEM	
FS-1	AMEREX KP	CABINET – LEFT END OF KH-1	6 UTILIZED		CONTINUOUS	FUSIBLE LINK	KH-1 SECTION 1	
1 3-1	WET CHEMICAL	CADINET - LEFT LIND OF RIFT	8 AVAILABLE		CONTINUOUS	1 GOIDEL LINK		

#### FIRE SYSTEM OPTIONS AND ACCESSORIES

FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)

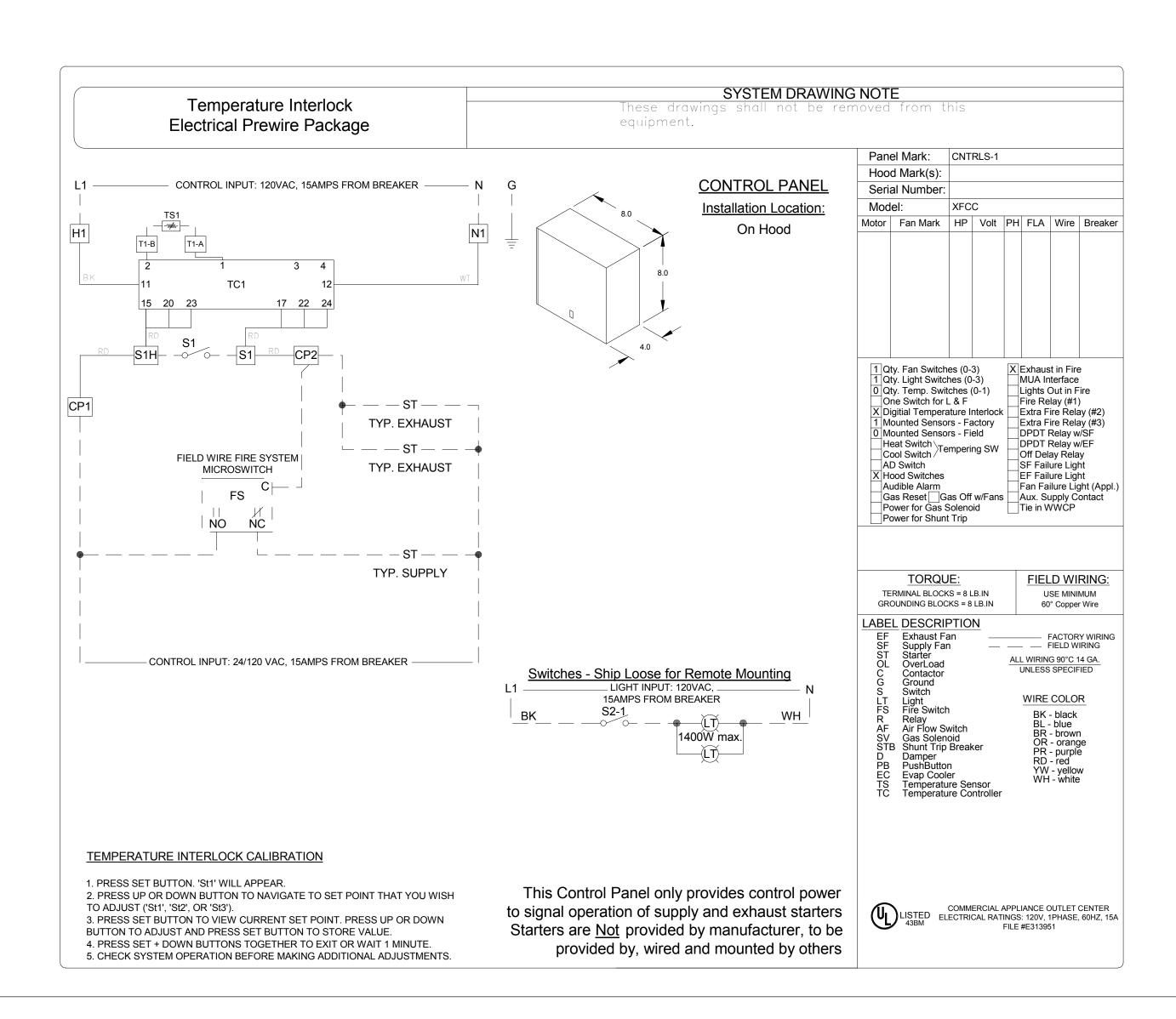
CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED

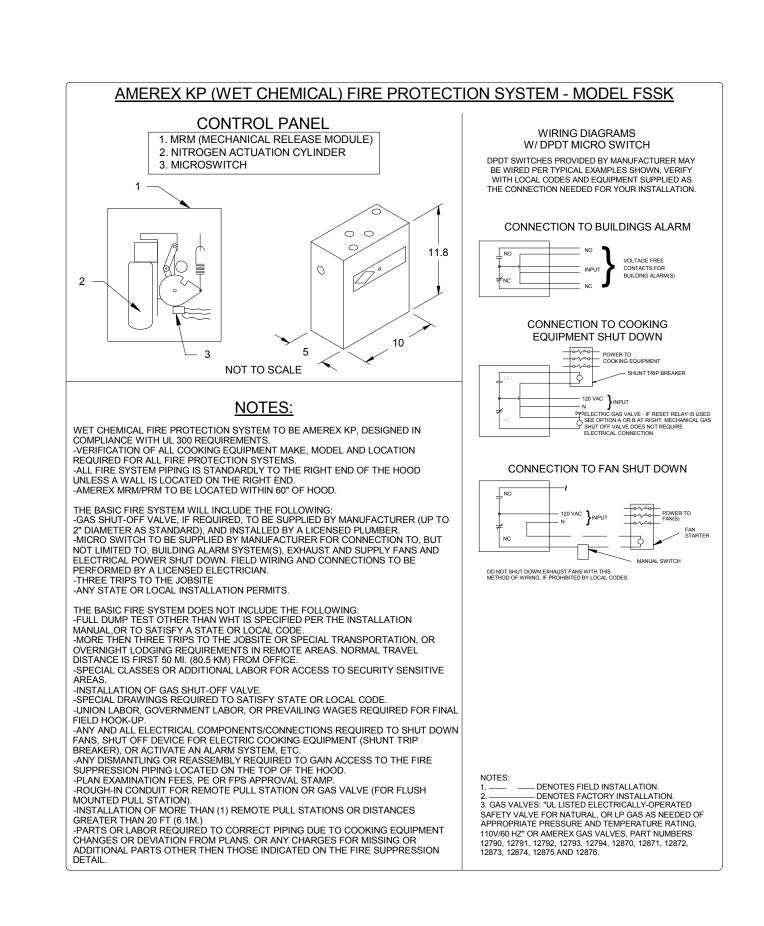
METAL BLOW-OFF CAPS - INCLUDED

GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2.00" (AMEREX) - PART# AMEREXMECHSHUTOFFVALVE200

HOOD SUPPRESSION AGENT - INCLUDED - 2.75 GAL. - [(1) 2.75 TANK(S)]

REMOTE PULL STATION - STANDARD - INSTALLATION AT SINGLE POINT OF EGRESS





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PROJECT NUMBER 201

SHEET TITLE

MECHANICAL KITCHEN EQUIPMENT
CONTROLS

SHEET NUMBE

DCII I	Drive Oppiasi Gerilinugai Nooi	i Exilaust i ali											
MARK INFORMATION FAN INFORMATION			MOTOR INFORMATION										
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)		OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS	NEC FLA*
1	KEF-1	XRUB-141-7	1,000	1.1	1,337	0.39	123	0.75	115/60/1	OP	1725	1	13.8
•		711.05	-,		.,	0.00			1 10,00,1	01	1120	•	

\*NEC FLA - Based on tables 150 or 148 of National Electrical Code 2002. Actual motor FLA may vary, for sizing thermal overload, consult factory.

#### KEF-1: SELECTED OPTIONS AND ACCESSORIES

Larger curb cap size - 26 in. square

UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"

Switch, NEMA-3R, Toggle, Shipped with Unit

Roof Curb-Galv., GPFV-26-G24, Under Sized 1 in. Total

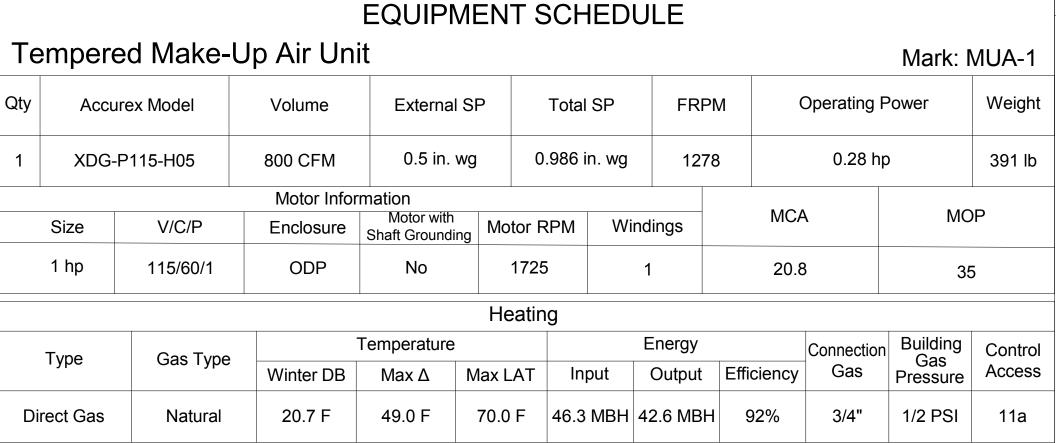
Hinged Base (Attached)

High Temp Curb Seal Rated for Continuous Duty at 2000 F (Attached)

Grease Trap (PN 475538)

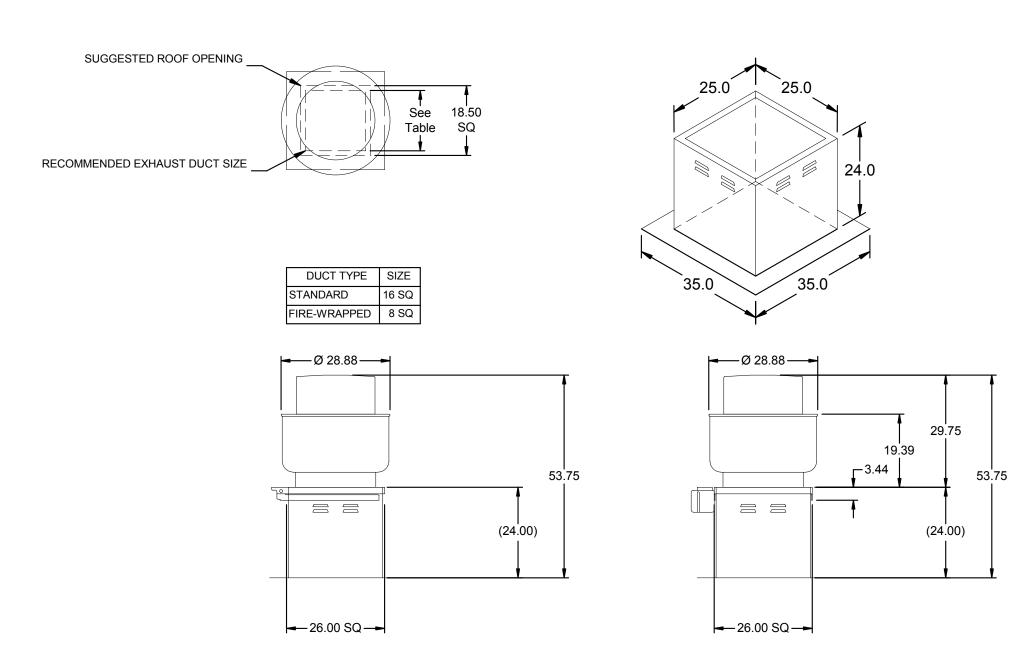
Heat Baffle (Attached)

Clean-out Port



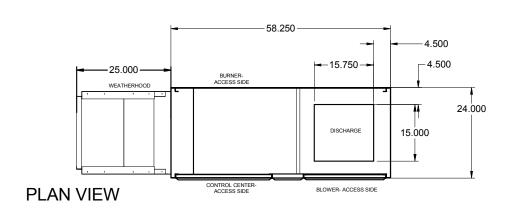
**OPTIONS AND ACCESSORIES** Air Flow Arrangement: Outdoor Air Only Weatherhood: Aluminum Mesh, 16x20x2 - (2) Damper: Inlet Weight | Outdoor Air Intake Position: End Discharge Position: Bottom Coating: Galvanized Insulation: Duct Liner - Heat Source On Access Side: Right-Hand **Control Center** Heat Inlet Air Sensor Unit Controls: Terminal Strip Direct Gas Options/Accessories Approvals: ETL and IRI Temperature Control: Discharge Flame Sensing: Flame Rod Ignition Control: Pilot Unit Rated Gas Pressure: 1/2 PSI

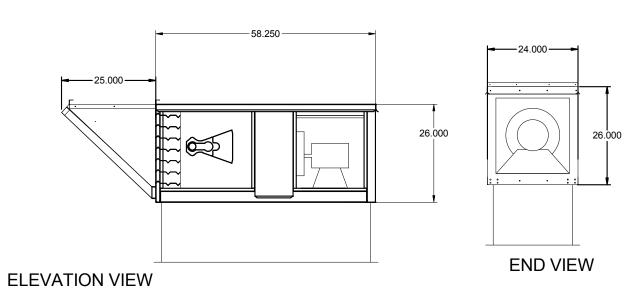
> Mounting: GPI-21/55.5-G16 Curb Includes: 1 in. Insul. Unit Warranty: 1 Yr (Standard)

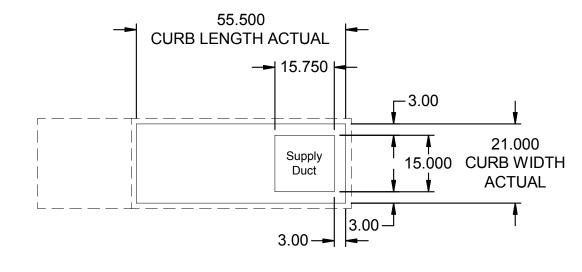


DUCT DIMENSIONS ARE LARGEST POSSIBLE DUCT TO FIT THROUGH CURB. CONSULT SYSTEM DESIGN ENGINEER FOR RECOMMENDED DUCT SIZE.

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR.







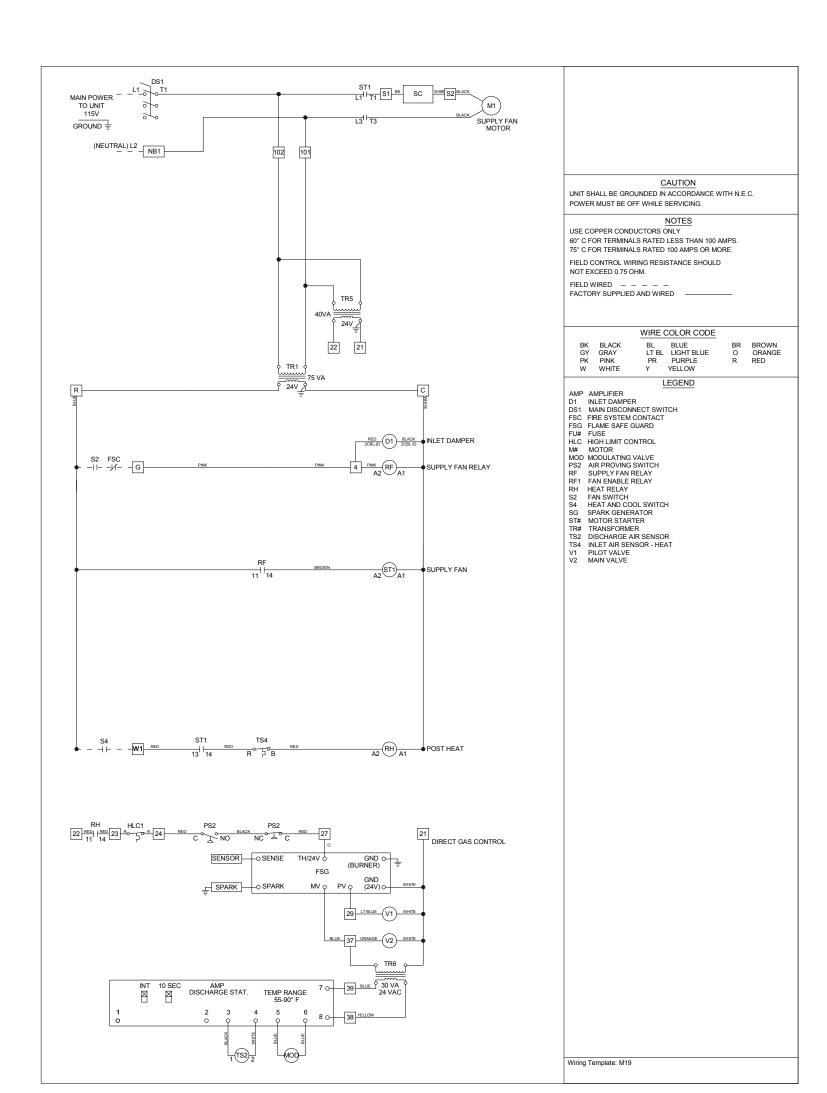
NOTE: Roof Opening Requirements:

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides. For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb. For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.

NOTE: The weatherhood and filter sections of the make-up air unit are not supported by the curb. This is by design, in order to help alleviate water infiltration issues. MUA Unit supports are shipped loose with unit.

FOOTPRINT



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PROJECT NUMBER

**MECHANICAL** -KITCHEN EQUIPMENT **SCHEDULES** 

SHEET NUMBER

HOOD	INFORMATION											
HOOD		LIGHTING DETA	ILS	GREASE FILTRAT	ION D	ETAIL	LS		UTILIT	Y CABIN	ET(S)	
HOOD NO.	MARK	FIXTURE TYPE	QTY FOOT	TYPE / MODEL	QTY	SIZE	(IN.)	LOCATION —	FIRE SYSTEM		CO	NTROLS
110.		BULB LAMBINEO CANDLE	CANDLES	MATERIAL	QII	L	Н		TYPE	SIZE	MODEL	INTERFACE
		(GLOBE)		BAFFLE	3	16		LEFT	AMEREX KP	2.75	TEMP INT.	SWITCHES
1	KH-1	100W A19 (BULBS	2 39.86	STAINLESS STEEL	0	20	20					
		NOT INCL.)		617 (II <b>1</b> 2266 61222	U	20						
SUPPL	LY PLENUM INFORMATION	NOT INCL.)										

INSULATED DAMPER(S) SUPPLIED QTY

YES

NO

CFM

TEMPERATURE SENSORS

PERFORATED AIR CURTAIN

> UL LISTED LIGHT FIXTURE CHROME APPLIANCE DROPS —

> > STANDARD BAFFLE FILTERS

REMOVABLE GREASE CUP W/ CONCEALED GREASE TROUGH

INTEGRAL AIRSPACE —

COLLARS

800 0.12 480

TYPE MOUNTING QTY W L DIA. CFM S.P. VEL.

800 MUA FACTORY 1 10 24

**HOOD OPTIONS** 

HOOD NO.

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625

BACK INTEGRAL AIR SPACE - 3 IN WIDE

18 IN HIGH CEILING ENCLOSURES - FRONT LEFT RIGHT - FIELD INSTALLED

FRONT | ASP | 60 | 14 | 10

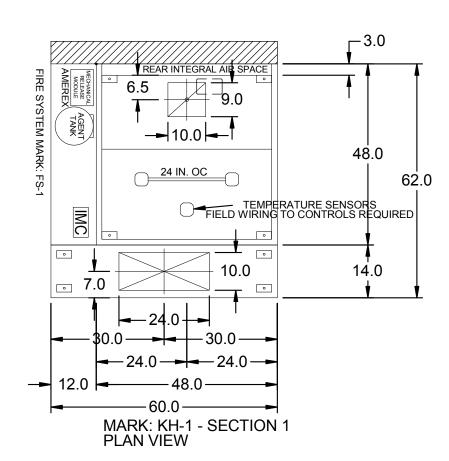
FACTORY MOUNTED EXHAUST COLLAR(S)

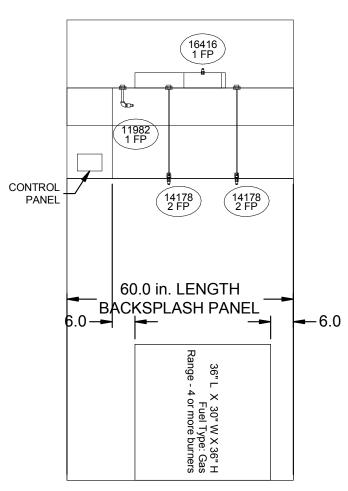
MARK

BACKSPLASH 80.00 IN HIGH 60.00 IN LONG

PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH





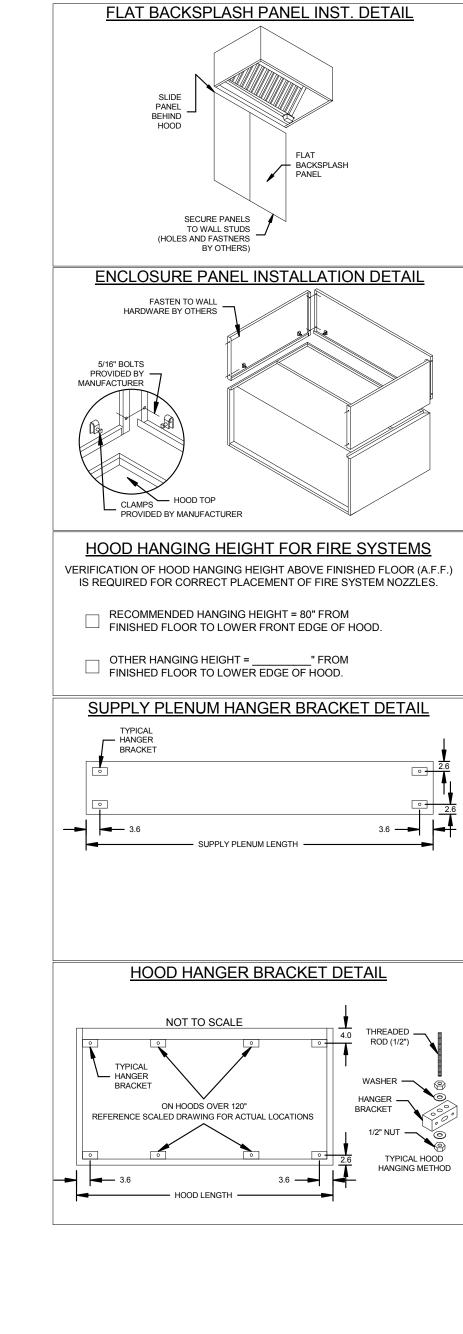


122.0

80.0

**ABOVE** 

**FINISHED FLOOR** 



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PROJECT NUMBER

**MECHANICAL** -KITCHEN EQUIPMENT **SCHEDULES** 

SHEET NUMBER

1 SPLIT SYSTEM (CU-1-5/AHU-1-5) WITH GAS HEAT CONTROL DIAGRAM M700 SCALE: NONE

#### **SEQUENCE OF OPERATION:**

#### SPLIT SYSTEMS (CU-1 THRU 5/AHU-1THRU 5) COOLING & HEATING:

EACH DX SPLIT SYSTEM SHALL BE CONTROLLED BY A SEPARATE DIGITAL SPACE PROGRAMMABLE THERMOSTAT. THE SPACE T-STAT SHALL ENABLE AND DISABLE THE SYSTEM BASED ON THE SPACE TEMPERATURE SETPOINT (ADJUSTABLE).

#### OCCUPIED OPERATION:

1. COOLING - SPACE TEMPERATURE SENSOR ENERGIZES AHU FAN AND CU TO MAINTAIN SPACE TEMPERATURE SET POINT (75 DEG. F (ADJ.)). FAN CONTINUES TO RUN AND CU DE-ENERGIZED WHEN SPACE TEMPERATURE IS MET.

2. HEATING - SPACE TEMPERATURE SENSOR ENERGIZES AHU FAN AND GAS FURNACE TO MAINTAIN SPACE TEMPERATURE SET POINT (70 DEG. F (ADJ.)). FAN CONTINUES TO RUN AND GAS FURNACE DE-ENERGIZED WHEN SPACE TEMPERATURE

IN ECONOMIZER MODE, AHUS ARE CONFIGURED TO DELIVER "FREE COOLING". CUS COMPRESSOR(S) ARE OFF. AHU OUTDOOR AIR DAMPER SHALL MAINTAIN THE SUPPLY AIR TEMPERATURE AT THE SUPPLY AIR TEMPERATURE SETPOINT. AHUS ARE NOT EQUIPPED WITH AN EXHAUST FANS. RELIEF HOOD WITH PARAMETRIC DAMPER SHALL BE FULLY OPEN DURING THE ECONOMIZER CYCLE TO MAINTAIN THE BUILDING FROM OVER PRESSURIZATION.

#### AHUS TO SHUTDOWN AND UPON RECEIVING A SUPPLY AIR SMOKE DETECTOR STATUS.

IN THE HEATING MODE, THE AHU FAN WITH GAS HEAT IS ENERGIZED BY SPACE TEMPERATURE SENSOR (T-STAT) TO MAINTAIN SPACE TEMPERATURE AT ZONE HEATING SETPOINT. THE AHU SHALL MAINTAIN THE MINIMUM OUTSIDE AIR FLOW SETPOINT (CFM PER SCHEDULE). HEATING SHALL BE DISABLED WHEN SPACE TEMPERATURE IS MET.

#### CO2 LEVEL IN OCCUPIED OPERATION ONLY FOR RTU-1 & 2:

DURING COOLING OR HEATING OPERATION, CO2 UNIT SENSOR SHALL BE USED TO MODULATE THE OUTDOOR DAMPER (CDR-OA). RTU SHALL BE CONFIGURED FOR DEMAND CONTROL (DC) VENTILATION. THE BASE CO2 SETPOINT SHALL BE 500 PPM (ADJ). THE OUTDOOR AIR DAMPER SHALL MODULATE TO MAXIMUM POSITION WITH RISE IN CO2 TO 1200 PPM (ADJ).

#### **UN-OCCUPIED MODE (UOC):**

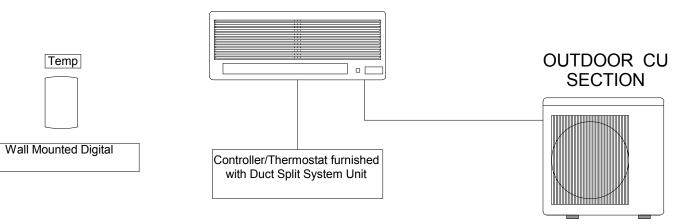
#### ALL SYSTEMS SHALL BE DE-ENERGIZED.

SYSTEMS SHALL BE ENERGIZED IN UNOCCUPIED MODE (UOC MODE) ONLY IF SPACE TEMPERATURE DROPS BELOW 60°F (ADJ.) OR RISES ABOVE 85°F (ADJ.). ONCE THE SPACE TEMPERATURE IS AGAIN CONDITIONED TO BETWEEN 65°F AND 80°F, THE SYSTEMS SHALL BE DE-ENERGIZED. THIS WILL MAINTAIN A MINIMUM SPACE TEMPERATURE DURING THE WINTER AND MAXIMUM SPACE TEMPERATURE DURING THE SUMMER.

#### **DUCTLESS SPLIT SYSTEMS SEQUENCE OF OPERATIONS**

A. THE DUCTLESS SPLIT SYSTEMS SHALL OPERATE VIA THE FACTORY FURNISHED THERMOSTAT/CONTROLLER TO MAINTAIN A SPACE TEMPERATURE AS NOTED ON EQUIPMENT SCHEDULE.

#### INDOOR AH SECTION

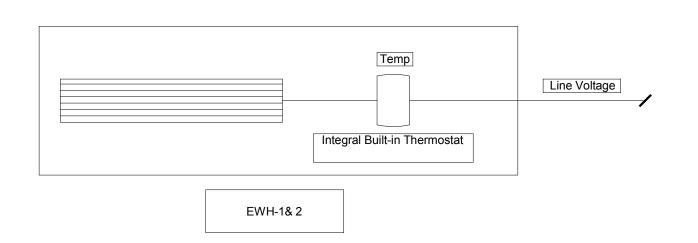


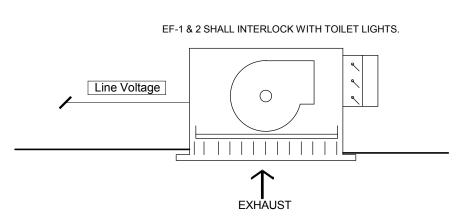
**DUCTLESS SPLIT SYSTEM CONTROL** 

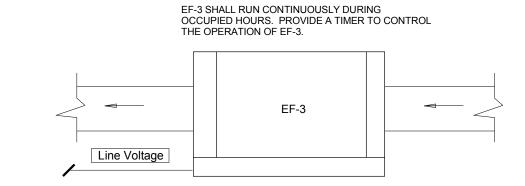
## M700 SCALE: NONE

#### ELECTRIC WALL HEATERS SEQUENCE OF OPERATIONS

A. THE ELECTRIC WALL HEATERS SHALL OPERATE VIA THE INTEGRAL FACTORY INSTALLED THERMOSTAT TO MAINTAIN A SPACE TEMPERATURE OF 50 DEGREES F (ADJ) IN STAIRS.







**3 ELECTRIC WALL HEATER CONTROL** M700 SCALE: NONE

4 CEILING EXHAUST FAN (EF-1 & 2) CONTROL

5 IN-LINE EXHAUST FAN (EF-3) CONTROL

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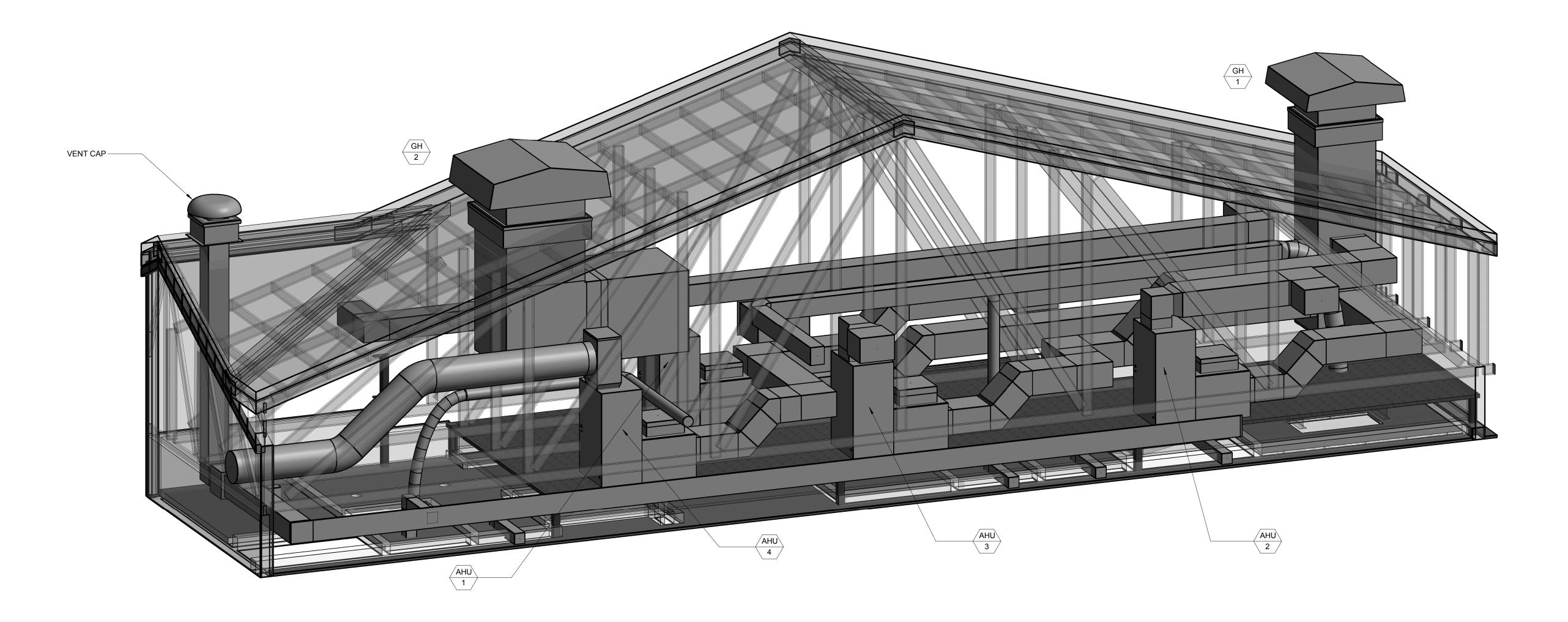
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SHEET TITLE

PROJECT NUMBER

**MECHANICAL** -**SCHEMATICS** 



1 MECHANICAL - MECHANICAL PENTHOUSE - DUCTWORK
M-900 NOT TO SCALE

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PROJECT NUMBER

**MECHANICAL - FOR** REFERENCE ONLY

SHEET NUMBER

DESCRIPTION  NG SLAB FOR NEW BELOW SLAB PIPING  PING  PING  PING TO BE REMOVED OR ABANDON  COLD WATER  Y TEMPERED WATER (105°F)  R (120°F)  R (140°F)  AS PIPING  ASTE PIPE (BELOW SLAB)  EWER PIPE (ABOVE SLAB)  VER PIPE (ABOVE SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  TER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IN W/ TRAP PRIMER  IN ANOUT  NOUT/END OF LINE CLEANOUT	ABBREV  A/C  AD  AFF  A/S  B/G  B/S  CA  CO  CV  DBP  DHX  DN  DF  DW  EOF  EWH  FCO  FD  FS  GCO  GV  HB  HC/ADA  HD  HWRP  HW  JC  KW  LAV  NFWH  P#  RD  REFRIG  SA  SAN	ABBREVIATION ABOVE CEILING AREA DRAIN ABOVE FINISHED FLOOR ABOVE SLAB BELOW GRADE BELOW FINISHED SLAB COMPRESSED AIR CLEANOUT CHECK VALVE DOMESTIC BOOSTER PUMP DOMESTIC HEAT EXCHANGER PIPE DOWN ELECTRIC WATER COOLER DISHWASHER EMERGENCY OVERFLOW DRAIN (STORM) ELECTRIC WATER HEATER FLOOR CLEANOUT FLOOR DRAIN FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER REFRIGERATOR SHOCK ARRESTER	
PING TO BE REMOVED OR ABANDON  COLD WATER  Y TEMPERED WATER (105°F)  R (120°F)  R (140°F)  AS PIPING  ASTE PIPE (BELOW SLAB)  EWER PIPE (ABOVE SLAB)  EWER PIPE (BELOW SLAB)  VER PIPE (BELOW SLAB)  VER PIPE (BELOW SLAB)  FER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IN W/ TRAP PRIMER  IN ANOUT	AD  AFF  A/S  B/G  B/S  CA  CO  CV  DBP  DHX  DN  DF  DW  EOF  EWH  FCO  FD  FS  GCO  GV  HB  HC/ADA  HD  HWRP  HW  JC  KW  LAV  NFWH  P#  RD  REFRIG  SA	AREA DRAIN ABOVE FINISHED FLOOR ABOVE SLAB BELOW GRADE BELOW FINISHED SLAB COMPRESSED AIR CLEANOUT CHECK VALVE DOMESTIC BOOSTER PUMP DOMESTIC HEAT EXCHANGER PIPE DOWN ELECTRIC WATER COOLER DISHWASHER EMERGENCY OVERFLOW DRAIN (STORM) ELECTRIC WATER HEATER FLOOR CLEANOUT FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
PING TO BE REMOVED OR ABANDON  COLD WATER  Y TEMPERED WATER (105°F)  R (120°F)  R (140°F)  AS PIPING  ASTE PIPE (BELOW SLAB)  EWER PIPE (ABOVE SLAB)  EWER PIPE (BELOW SLAB)  VER PIPE (BELOW SLAB)  VER PIPE (BELOW SLAB)  FER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IN W/ TRAP PRIMER  IN ANOUT	AFF A/S B/G B/S CA CO CV DBP DHX DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	ABOVE FINISHED FLOOR ABOVE SLAB BELOW GRADE BELOW FINISHED SLAB COMPRESSED AIR CLEANOUT CHECK VALVE DOMESTIC BOOSTER PUMP DOMESTIC HEAT EXCHANGER PIPE DOWN ELECTRIC WATER COOLER DISHWASHER EMERGENCY OVERFLOW DRAIN (STORM) ELECTRIC WATER HEATER FLOOR CLEANOUT FLOOR DRAIN FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
PING TO BE REMOVED OR ABANDON  COLD WATER  Y TEMPERED WATER (105°F)  R (140°F)  R (140°F)  AS PIPING  ASTE PIPE (BELOW SLAB)  EWER PIPE (ABOVE SLAB)  VER PIPE (ABOVE SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  ERGELOW SLAB)  FER (LAUNDRY)  NG DOWN  NG UP  OBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IN W/ TRAP PRIMER  IN  ANOUT	A/S B/G B/S CA CO CV DBP DHX DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	ABOVE SLAB BELOW GRADE BELOW FINISHED SLAB COMPRESSED AIR CLEANOUT CHECK VALVE DOMESTIC BOOSTER PUMP DOMESTIC HEAT EXCHANGER PIPE DOWN ELECTRIC WATER COOLER DISHWASHER EMERGENCY OVERFLOW DRAIN (STORM) ELECTRIC WATER HEATER FLOOR CLEANOUT FLOOR DRAIN FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
Y TEMPERED WATER (105°F)  R (120°F) R (140°F) AS PIPING  ASTE PIPE (BELOW SLAB) EWER PIPE (ABOVE SLAB) EWER PIPE (BELOW SLAB) VER PIPE (BELOW SLAB) ERGENCY OVERFLOW (ABOVE SLAB) ERGENCY OVERFLOW (ABOVE SLAB) FER (LAUNDRY) NG DOWN NG UP DBE VALVE VALVE VE OID SHUT-OFF VALVE LIN W/ TRAP PRIMER LIN ANOUT ANOUT	B/G B/S CA CO CV DBP DHX DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	BELOW GRADE BELOW FINISHED SLAB COMPRESSED AIR CLEANOUT CHECK VALVE DOMESTIC BOOSTER PUMP DOMESTIC HEAT EXCHANGER PIPE DOWN ELECTRIC WATER COOLER DISHWASHER EMERGENCY OVERFLOW DRAIN (STORM) ELECTRIC WATER HEATER FLOOR CLEANOUT FLOOR DRAIN FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
Y TEMPERED WATER (105°F)  R (120°F) R (140°F) AS PIPING  ASTE PIPE (BELOW SLAB)  EWER PIPE (ABOVE SLAB)  EWER PIPE (BELOW SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  ER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IN W/ TRAP PRIMER  IN ANOUT  ANOUT	B/S CA CO CV DBP DHX DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	BELOW FINISHED SLAB  COMPRESSED AIR  CLEANOUT  CHECK VALVE  DOMESTIC BOOSTER PUMP  DOMESTIC HEAT EXCHANGER  PIPE DOWN  ELECTRIC WATER COOLER  DISHWASHER  EMERGENCY OVERFLOW DRAIN (STORM)  ELECTRIC WATER HEATER  FLOOR CLEANOUT  FLOOR DRAIN  FLOOR SINK  GRADE CLEANOUT  GATE VALVE  HOSE BIB  BARRIER-FREE  HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
R (120°F) R (140°F) AS PIPING  ASTE PIPE (BELOW SLAB) EWER PIPE (ABOVE SLAB) EWER PIPE (BELOW SLAB) VER PIPE (BELOW SLAB) VER PIPE (BELOW SLAB) ERGENCY OVERFLOW (ABOVE SLAB) ERGENCY OVERFLOW (ABOVE SLAB) FER (LAUNDRY) NG DOWN NG UP DBE VALVE VALVE VE OID SHUT-OFF VALVE IIN W/ TRAP PRIMER IIN ANOUT	CA CO CV DBP DHX DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	COMPRESSED AIR  CLEANOUT  CHECK VALVE  DOMESTIC BOOSTER PUMP  DOMESTIC HEAT EXCHANGER  PIPE DOWN  ELECTRIC WATER COOLER  DISHWASHER  EMERGENCY OVERFLOW DRAIN (STORM)  ELECTRIC WATER HEATER  FLOOR CLEANOUT  FLOOR DRAIN  FLOOR SINK  GRADE CLEANOUT  GATE VALVE  HOSE BIB  BARRIER-FREE  HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
R (140°F) AS PIPING  ASTE PIPE (BELOW SLAB) EEWER PIPE (ABOVE SLAB) EEWER PIPE (BELOW SLAB) VER PIPE (BELOW SLAB) ERGENCY OVERFLOW (ABOVE SLAB) ERGENCY OVERFLOW (ABOVE SLAB) ERGELOW SLAB) FER (LAUNDRY) NG DOWN NG UP DBE VALVE VALVE VE OID SHUT-OFF VALVE LIN W/ TRAP PRIMER LIN ANOUT	CV DBP DHX DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	CLEANOUT CHECK VALVE DOMESTIC BOOSTER PUMP DOMESTIC HEAT EXCHANGER PIPE DOWN ELECTRIC WATER COOLER DISHWASHER EMERGENCY OVERFLOW DRAIN (STORM) ELECTRIC WATER HEATER FLOOR CLEANOUT FLOOR DRAIN FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
AS PIPING  ASTE PIPE (BELOW SLAB)  SEWER PIPE (ABOVE SLAB)  SEWER PIPE (BELOW SLAB)  VER PIPE (ABOVE SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  E (BELOW SLAB)  FER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IN W/ TRAP PRIMER  IN  ANOUT	DBP DHX DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	DOMESTIC BOOSTER PUMP DOMESTIC HEAT EXCHANGER PIPE DOWN ELECTRIC WATER COOLER DISHWASHER EMERGENCY OVERFLOW DRAIN (STORM) ELECTRIC WATER HEATER FLOOR CLEANOUT FLOOR DRAIN FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
ASTE PIPE (BELOW SLAB)  SEWER PIPE (ABOVE SLAB)  SEWER PIPE (BELOW SLAB)  VER PIPE (ABOVE SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  E (BELOW SLAB)  TER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VE  OID SHUT-OFF VALVE  IN W/ TRAP PRIMER  IN  ANOUT	DHX DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	DOMESTIC HEAT EXCHANGER PIPE DOWN  ELECTRIC WATER COOLER  DISHWASHER  EMERGENCY OVERFLOW DRAIN (STORM)  ELECTRIC WATER HEATER  FLOOR CLEANOUT  FLOOR DRAIN  FLOOR SINK  GRADE CLEANOUT  GATE VALVE  HOSE BIB  BARRIER-FREE  HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
ASTE PIPE (BELOW SLAB)  SEWER PIPE (ABOVE SLAB)  SEWER PIPE (BELOW SLAB)  VER PIPE (ABOVE SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  E (BELOW SLAB)  TER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VE  OID SHUT-OFF VALVE  IN W/ TRAP PRIMER  IN  ANOUT	DN DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	PIPE DOWN  ELECTRIC WATER COOLER  DISHWASHER  EMERGENCY OVERFLOW DRAIN (STORM)  ELECTRIC WATER HEATER  FLOOR CLEANOUT  FLOOR DRAIN  FLOOR SINK  GRADE CLEANOUT  GATE VALVE  HOSE BIB  BARRIER-FREE  HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
EEWER PIPE (ABOVE SLAB)  EEWER PIPE (BELOW SLAB)  VER PIPE (ABOVE SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  E (BELOW SLAB)  TER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  LIN W/ TRAP PRIMER  LIN  ANOUT	DF DW EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	ELECTRIC WATER COOLER  DISHWASHER  EMERGENCY OVERFLOW DRAIN (STORM)  ELECTRIC WATER HEATER  FLOOR CLEANOUT  FLOOR DRAIN  FLOOR SINK  GRADE CLEANOUT  GATE VALVE  HOSE BIB  BARRIER-FREE  HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
EEWER PIPE (ABOVE SLAB)  EEWER PIPE (BELOW SLAB)  VER PIPE (ABOVE SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  E (BELOW SLAB)  TER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  LIN W/ TRAP PRIMER  LIN  ANOUT	EOF EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	EMERGENCY OVERFLOW DRAIN (STORM)  ELECTRIC WATER HEATER  FLOOR CLEANOUT  FLOOR DRAIN  FLOOR SINK  GRADE CLEANOUT  GATE VALVE  HOSE BIB  BARRIER-FREE  HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
SEWER PIPE (BELOW SLAB)  VER PIPE (ABOVE SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  E (BELOW SLAB)  TER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IIN W/ TRAP PRIMER  IN  ANOUT	EWH FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	ELECTRIC WATER HEATER  FLOOR CLEANOUT  FLOOR DRAIN  FLOOR SINK  GRADE CLEANOUT  GATE VALVE  HOSE BIB  BARRIER-FREE  HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
VER PIPE (ABOVE SLAB)  VER PIPE (BELOW SLAB)  ERGENCY OVERFLOW (ABOVE SLAB)  E (BELOW SLAB)  TER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  JIN W/ TRAP PRIMER  JIN  ANOUT	FCO FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	FLOOR CLEANOUT FLOOR DRAIN FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
VER PIPE (BELOW SLAB) ERGENCY OVERFLOW (ABOVE SLAB) E (BELOW SLAB) FER (LAUNDRY) NG DOWN NG UP DBE VALVE VALVE VE OID SHUT-OFF VALVE LIN W/ TRAP PRIMER LIN ANOUT	FD FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	FLOOR DRAIN FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
ERGENCY OVERFLOW (ABOVE SLAB)  E (BELOW SLAB)  FER (LAUNDRY)  NG DOWN  NG UP  OBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IIN W/ TRAP PRIMER  IIN  ANOUT	FS GCO GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	FLOOR SINK GRADE CLEANOUT GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
E (BELOW SLAB)  FER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  JIN W/ TRAP PRIMER  ANOUT  ANOUT	GV HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	GATE VALVE HOSE BIB BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
E (BELOW SLAB)  FER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  JIN W/ TRAP PRIMER  ANOUT  ANOUT	HB HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	HOSE BIB  BARRIER-FREE  HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
TER (LAUNDRY)  NG DOWN  NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  JIN W/ TRAP PRIMER  JIN  ANOUT	HC/ADA HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	BARRIER-FREE HUB DRAIN HW RECIRCULATION PUMP HOT WATER JANITOR'S CLOSET KILOWATT LAVATORY NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
NG DOWN NG UP DBE VALVE VALVE VE OID SHUT-OFF VALVE LIN W/ TRAP PRIMER LIN ANOUT	HD HWRP HW JC KW LAV NFWH P# RD REFRIG SA	HUB DRAIN  HW RECIRCULATION PUMP  HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
NG UP  DBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IIN W/ TRAP PRIMER  IN  ANOUT	HWRP HW  JC KW  LAV  NFWH P# RD  REFRIG SA	HW RECIRCULATION PUMP HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
OBE VALVE  VALVE  VE  OID SHUT-OFF VALVE  IIN W/ TRAP PRIMER  IIN  ANOUT	HW JC KW LAV NFWH P# RD REFRIG SA	HOT WATER  JANITOR'S CLOSET  KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
VALVE  VE  OID SHUT-OFF VALVE  JIN W/ TRAP PRIMER  JIN  ANOUT	KW LAV NFWH P# RD REFRIG SA	KILOWATT  LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
OID SHUT-OFF VALVE IN W/ TRAP PRIMER IN ANOUT	LAV NFWH P# RD REFRIG SA	LAVATORY  NON-FREEZE WALL HYDRANT  FIXTURE NUMBER  ROOF DRAIN  REFRIGERATOR	
OID SHUT-OFF VALVE IN W/ TRAP PRIMER IN ANOUT	NFWH P# RD REFRIG SA	NON-FREEZE WALL HYDRANT FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
OID SHUT-OFF VALVE IN W/ TRAP PRIMER IN ANOUT	P# RD REFRIG SA	FIXTURE NUMBER ROOF DRAIN REFRIGERATOR	
IN W/ TRAP PRIMER  IN  ANOUT  ANOUT	RD REFRIG SA	ROOF DRAIN REFRIGERATOR	- I
ANOUT	SA		
ANOUT		SHOCK ARRESTER	
ANOUT	SAN		
		SANITARY SEWER	
NOUT/END OF LINE CLEANOUT	ST TP	STORM SEWER TRAP PRIMER	
	UR	URINAL	
	V	VENT	
CULATION PUMP WITH BY-PASS	VTR	VENT THRU ROOF	
ODDED WATER WATER ARESTOR	W	WASTE	
ORBER WATER HAMMER ARESTOR	WCO WCO	WALL CLEANOUT	
OF FLOW (WATER)	ACC	WALL CLEANOUT  AIR CONDITIONING	
OF SLOPE (SEWER)	ACC	AIR CONDITIONING	
FIXTURE NUMBER			
PREVENTER (BFP)			
REDUCING VALVE (PRV) WITH BY-PASS			
0.05.00.00			
OOF DRAIN			
TE WALL HYDRANT			
NG PIPE			
JTURE USE			
R MIXING VALVE ASSEMBLY			
O EVICTING			
U EXISTING			
	IATIONS ARE	USED ON THIS PROJECT)	
	ITURE USE R MIXING VALVE ASSEMBLY O EXISTING	TURE USE  R MIXING VALVE ASSEMBLY  O EXISTING	TURE USE  R MIXING VALVE ASSEMBLY

	SHEET LIST - PLUMBING
P-001	PLUMBING - GENERAL NOTES & LEGENDS
P-100	PLUMBING - LEVEL 1 FLOOR PLAN - DOMESTIC PLAN
P-120	PLUMBING - LEVEL 1 FLOOR PLAN - SANITARY PLAN
P-130	PLUMBING - LEVEL 1 FLOOR PLAN - STORM WATER & GAS
P-400	PLUMBING - ENLARGED PART PLANS
P-401	PLUMBING - ENLARGED PART PLANS
P-500	PLUMBING - DETAILS
P-501	PLUMBING - DETAILS
P-600	PLUMBING - SCHEDULES
P-700	PLUMBING - DOMESTIC RISER DIAGRAM
P-720	PLUMBING - SANITARY RISER DIAGRAM

DESIGNING ARCHITECT

WAKEFIELD BEASLEY & ASSOCIATES

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ARCHITECT OF RECORD Nelco Architecture, Inc.

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DAWSON COUNTY SENIOR CENTER

201 RECREATION RD DAWSONVILLE, GA 30534

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Print Reco	rd
2018-06-01	DES

2018-06-01 DESIGN DEVELOPMENT 100% 2018-06-18 CD PROGRESS PRINT 90% 2019-02-04 CONSTRUCTION DOCUMENTS 100%

INO.	Date	Description

RELEASED FOR CONSTRUCTION

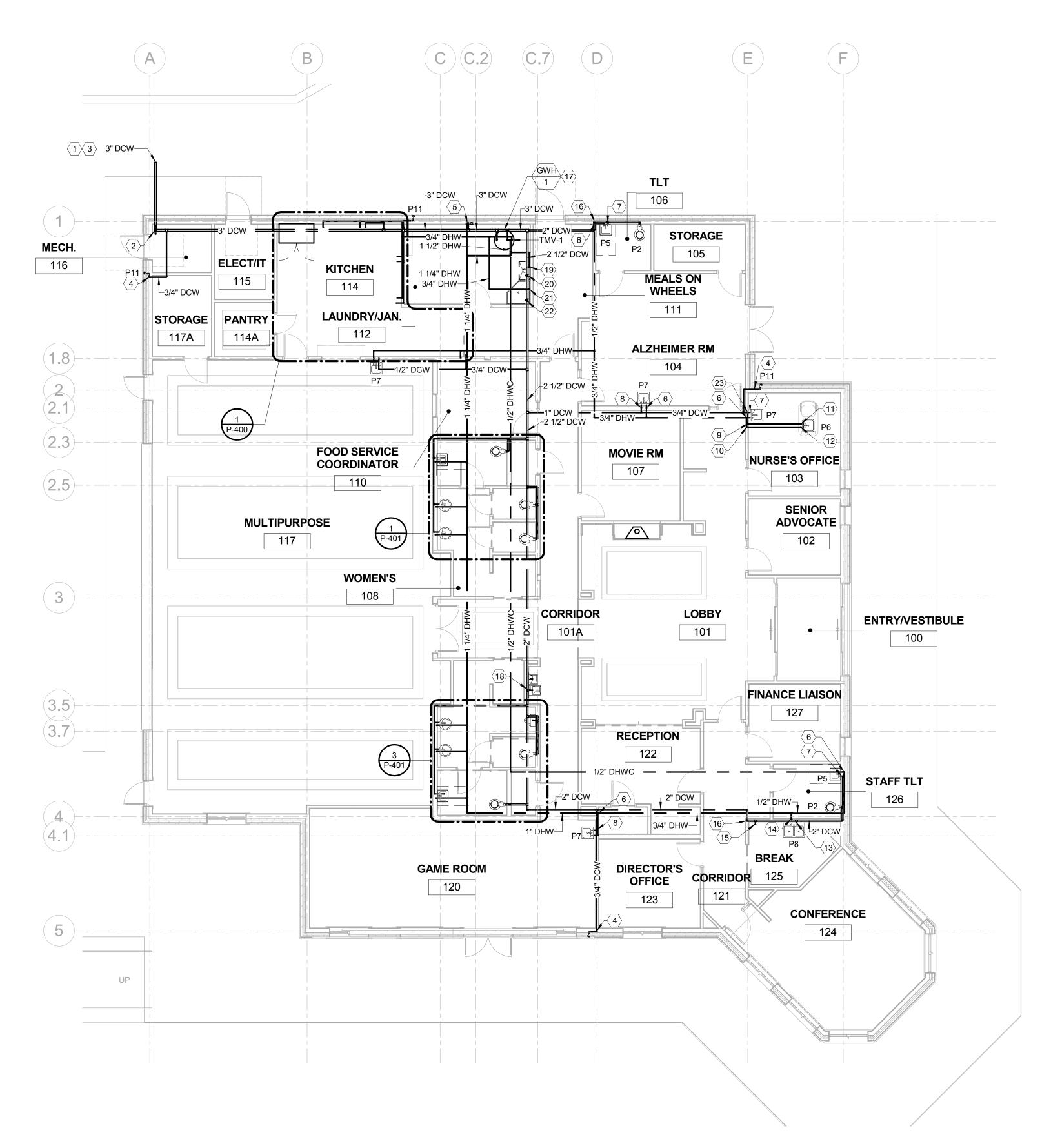
02/04/2019

PROJECT NUMBER 2018009

PLUMBING -**GENERAL NOTES & LEGENDS** 

SHEET NUMBER

P-001



Key Value	Keynote Text
1	BACKFLOW PREVENTER & WATER PROVIDED BY CIVIL. REFER TO CIVIL PLANFOR MORE INFORMATION.
2	3" CW RISER WITH SHUT-OFF 36" AFF.
3	3" DOMESTIC WATER SERVICE BELOW GRADE. REFER TO CIVIL PLAN FOR CONTINUATION.
4	3/4" CW DROP WITH SHUT-OFF TO WALL HYDRANT. REFER TO DETAIL #3 ON SHEET P-500 FOR MORE INFORMATION.
5	3/4" CW & HW DROPS TO WATER RECESSED BOX. REFER TO DETAIL #5 ON SHEET P-500 FOR MORE INFORMATION.
6	1/2" HW DROP WITH SHUT-OFF TO LAVATORY.
7	1/2" CW WITH SHUT-OFF TO LAVATORY.
8	1/2" CW DROP WITH SHUT-OFF TO LAVATORY.
9	1/2" CW DROP BELOW GRADE TO PEDICURE STATION.
10	1/2" HW DROP BELOW GRADE TO PEDICURE STATION.
11	1/2" CW UP ABOVE GRADE WITH SHUT-OFF TO PEDICURE STATION.
12	1/2" HW UP ABOVE GRADE WITH SHUT-OFF TO PEDICURE STATION.
13	3/4" CW WITH SHUT-OFF TO DOUBLE COMPARTMENT SINK.
14	3/4" HW DROP WITH SHUT-OFF TO DOUBLE COMPARTMENT SINK.
15	1/2" CW TO REFRIGERATOR.
16	2" CW DROP.
17	MAINTAIN NECESSARY CLEARANCE PER MANUFACTURER'S INSTRUCTIONS AND COORDINATE PIPING WITH ALL TRADES. REFER TO DETAIL #3 ON SHEET P-501 FOR MORE INFORMATION.
18	1/2" CW DROP WITH SHUT-OFF TO WATER COOLER.
19	3/4" HW DROP WITH SHUTT-OFF TO UTILITY SINK.
20	3/4" CW DROP WITH SHUTT-OFF TO UTILITY SINK.
21	3/4" HW DROP WITH SHUT-OFF TO MOP SINK.
22	3/4" CW DROP WITH SHUT-OFF TO MOP SINK.
23	3/4" CW DROP.

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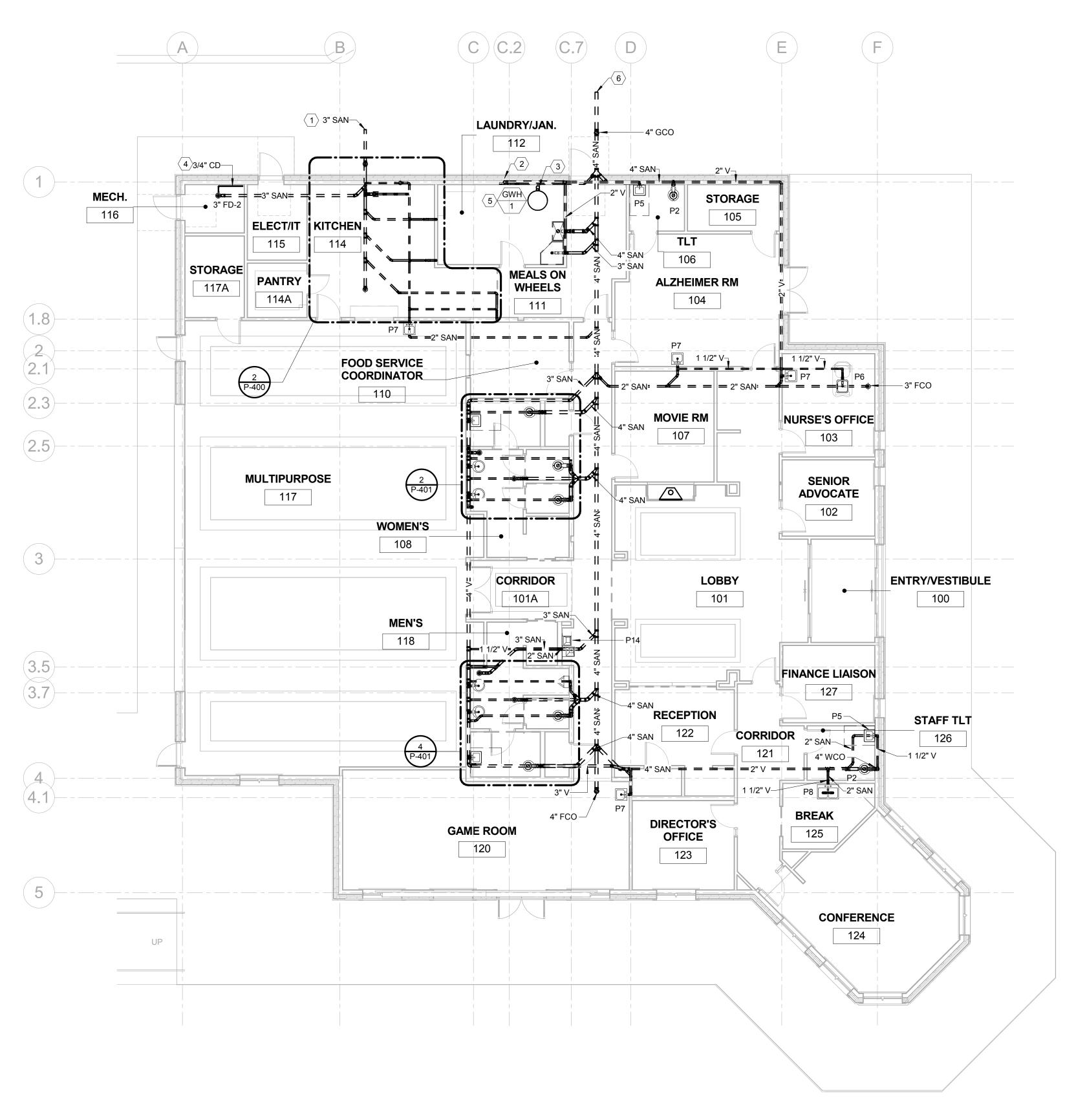
PLUMBING - LEVEL 1
FLOOR PLAN -

DOMESTIC PLAN

SHEET NUMBER

P-100

1	PLUMBING - LEVEL 1 FLOOR PLAN - DOMESTIC WATER
P-100 /	1/8" = 1'-0"



PLUMBING - LEVEL 1 FLOOR PLAN - SANITARY

P-120 / 1/8" = 1'-0"

	PLUMBING KEYNOTES
Key Value	Keynote Text
1	3" GREASE SERVICE BELOW GRADE. REFER TO CIVIL PLAN FOR CONTINUATION.
2	3" VENT THRU ROOF. REFER TO DETAIL #7 ON SHEET P-500.
3	PROVIDE 4"Ø CONCENTRIC VENT FOR WATER HEATER AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. TERMINATE AT 2'-0" ABOVE THE ROOF. REFER TO DETAIL #9 ON SHEET P-500 FOR MORE INFORMATION.
4	3/4" CONDENSATE FROM AC-1. REFER TO MECHANICAL SCHEDULES M FOR MORE INFORMATION.
5	MAINTAIN NECESSARY CLEARANCE PER MANUFACTURER'S INSTRUCTIONS AND COORDINATE PIPING WITH ALL TRADES. REFER TO DETAIL #3 ON SHEET P-501 FOR MORE INFORMATION.
6	4" SANITARY SERVICE BELOW GRADE. REFER TO CIVIL PLAN FOR CONTINUATION.

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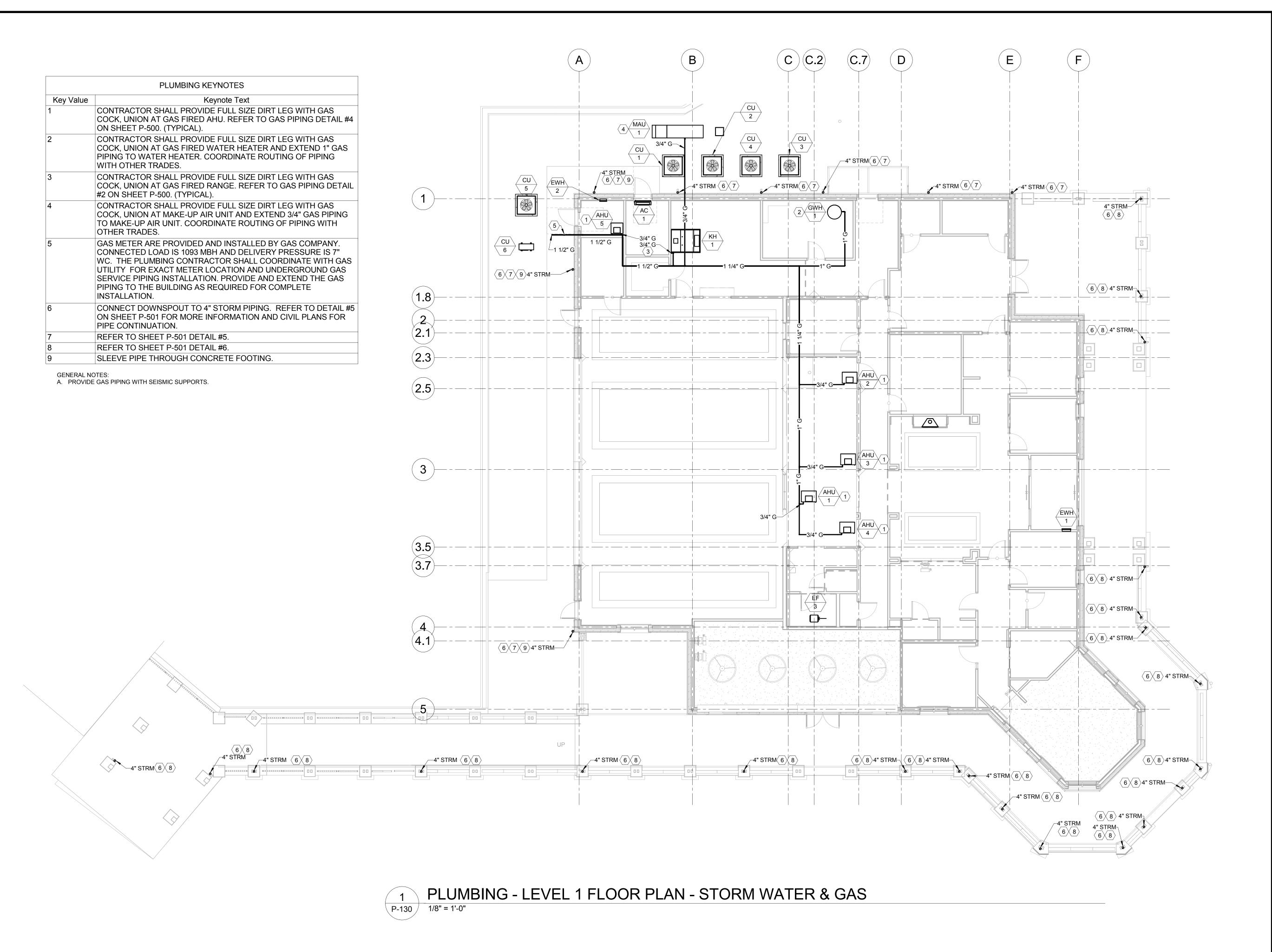
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PLUMBING - LEVEL 1

FLOOR PLAN -SANITARY PLAN

SHEET NUMBER

P-120



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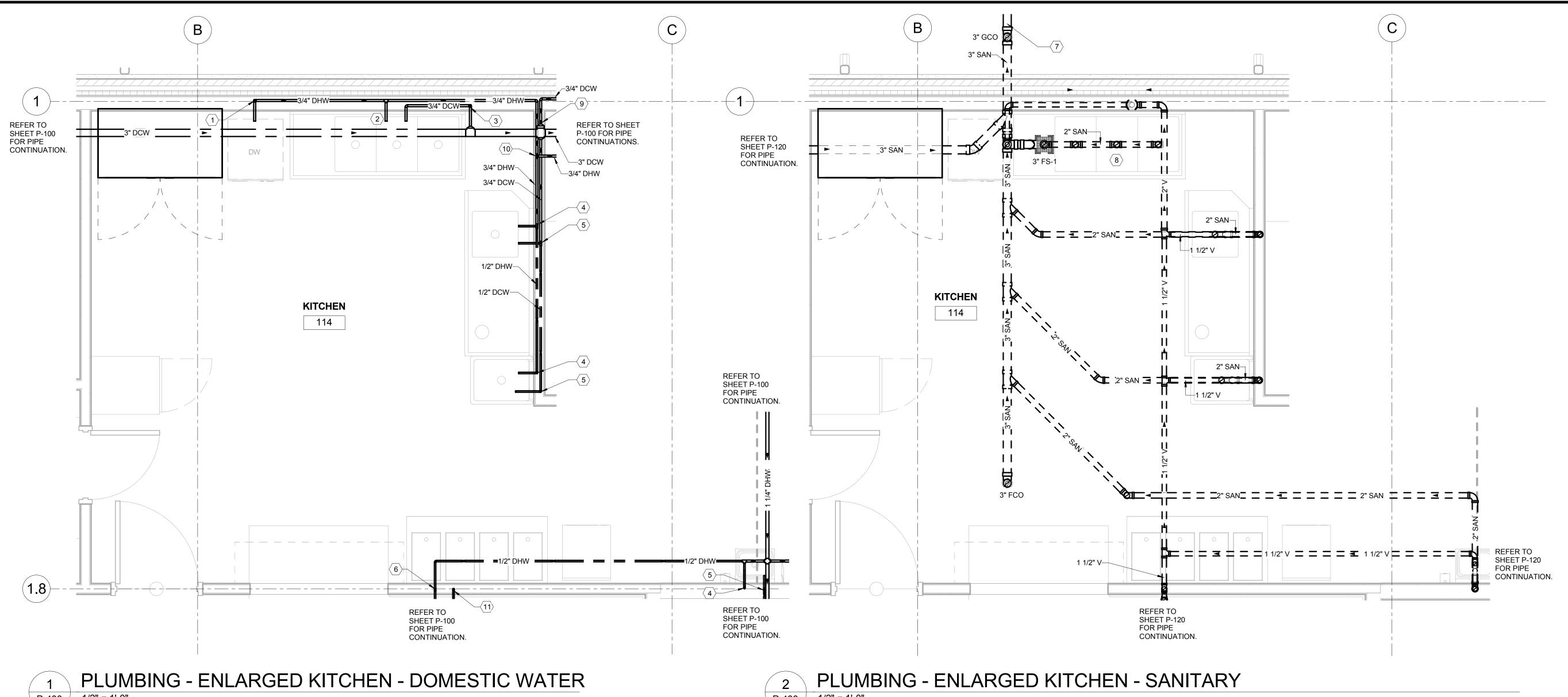
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PROJECT NUMBER 20°

PLUMBING - LEVEL 1
FLOOR PLAN - STORM
WATER & GAS

SHEET NUMBER



	PLUMBING KEYNOTES
Key Value	Keynote Text
1	3/4" HW DROP WITH SHUT-OFF TO DISH WASHER.
2	3/4" HW WITH SHUT-OFF TO THREE-COMPARTMENT SINK.
3	3/4" CW DROP WITH SHUT-OFF TO THREE COMPARTMENT SINK.
4	1/2" HW DROP WITH SHUT-OFF TO SINGLE COMPARTMENT SINK.
5	1/2" CW DROP WITH SHUT-OFF TO SINGLE COMPARTMENT SINK.
6	1/2" HW DROP WITH SHUT-OFF TO LAVATORY.
7	3" GREASE SERVICE BELOW GRADE. REFER TO CIVIL PLAN FOR CONTINUATION.
8	REFER TO DETAIL #2 ON SHEET P-501 FOR SANITARY ROUTING OF THREE-COMPARTMENT SINK.
9	3/4" CW DROP WITH SHUT-OFF TO WALL HYDRANT. REFER TO DETAIL #3 ON SHEET P-500 FOR MORE INFORMATION.
10	3/4" HW DROP.
11	1/2" CW DROP WITH SHUT-OFF TO LAVATORY.

## **GENERAL NOTES:**

• FOR MORE INFORMATION REGARDNIG KITCHEN EQUIPMENT REFER TO KITCHEN PLANS BY ARCHITECT.

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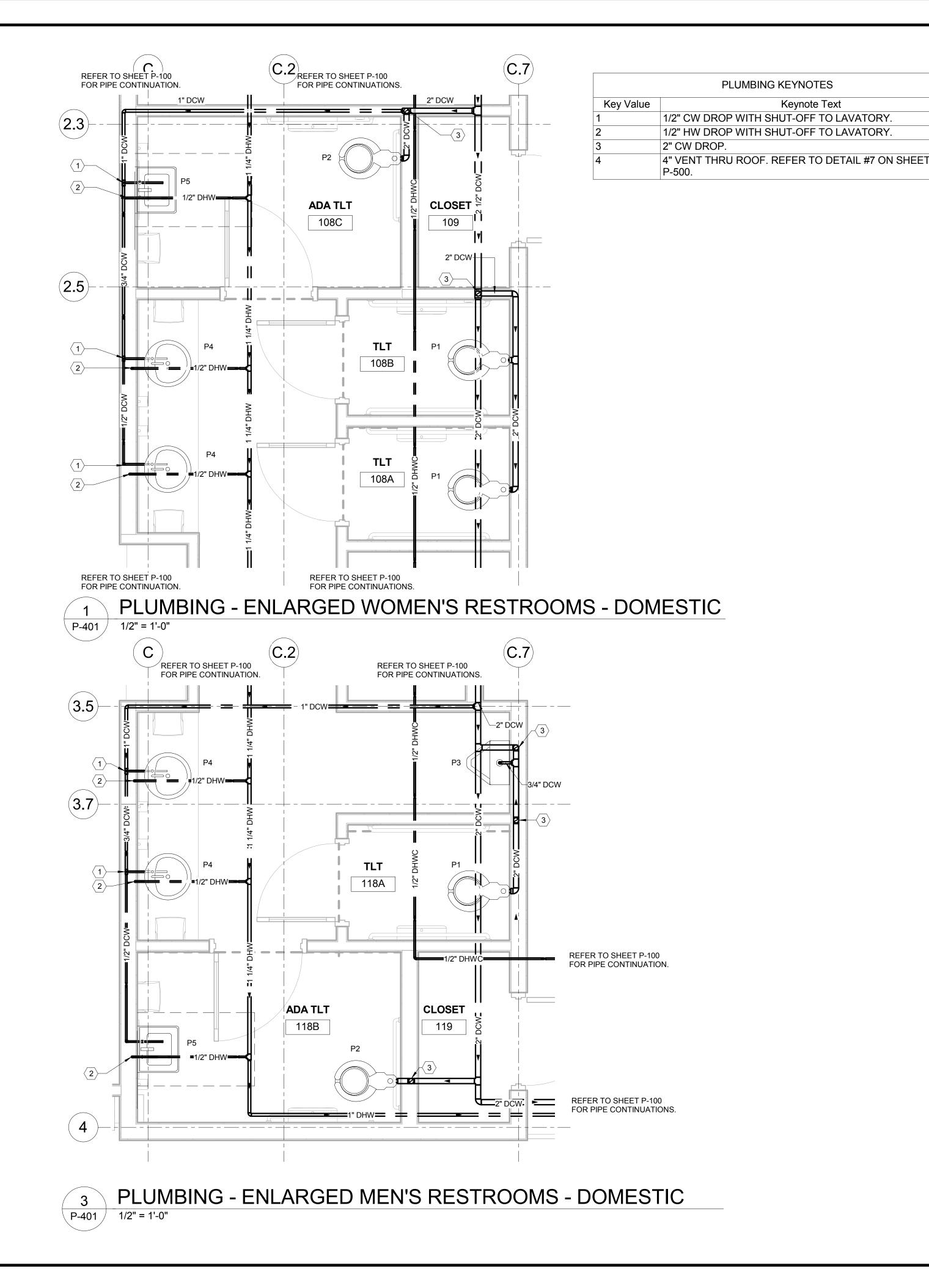
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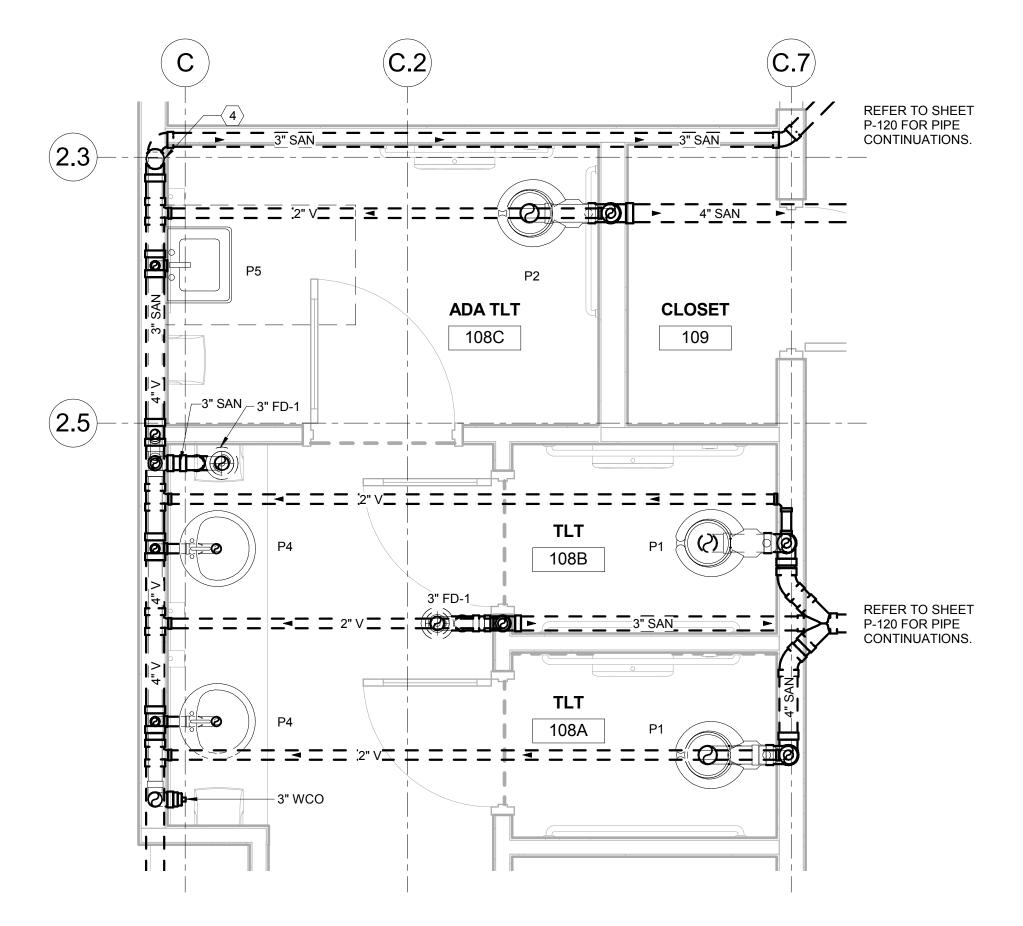
PLUMBING -ENLARGED PART

SHEET NUMBER

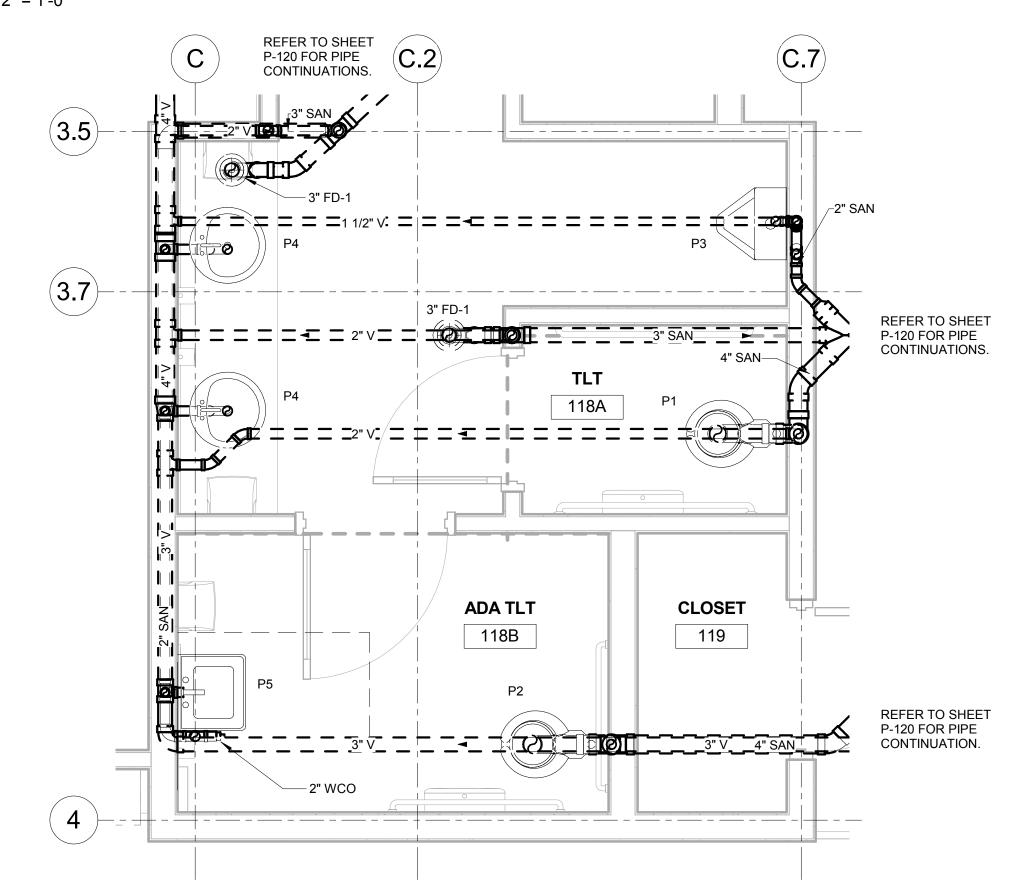
P-400

**PLANS** 





P-401 PLUMBING - ENLARGED WOMEN'S RESTROOMS - SANITARY



P-401 PLUMBING - ENLARGED MEN'S RESTROOMS - SANITARY

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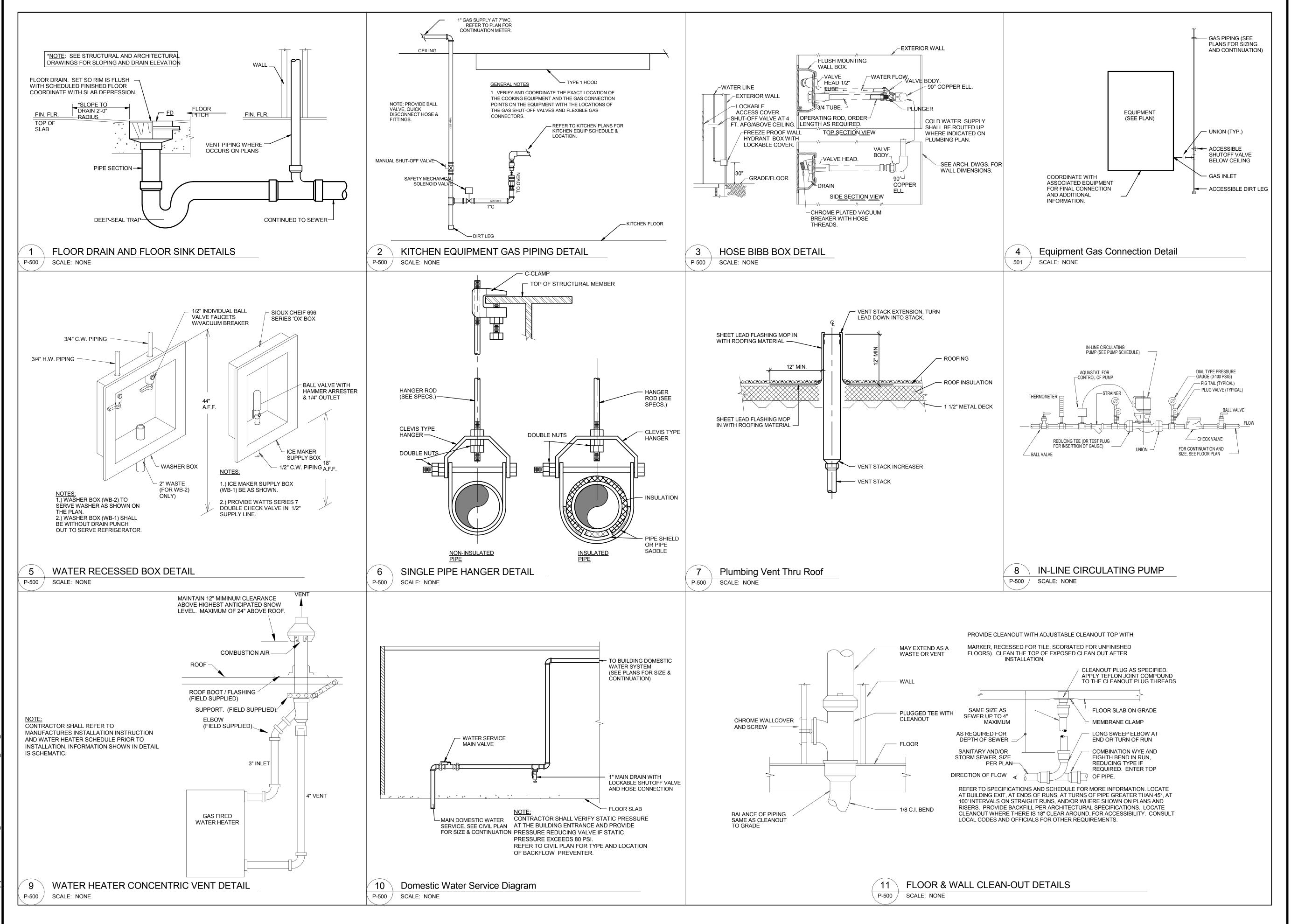
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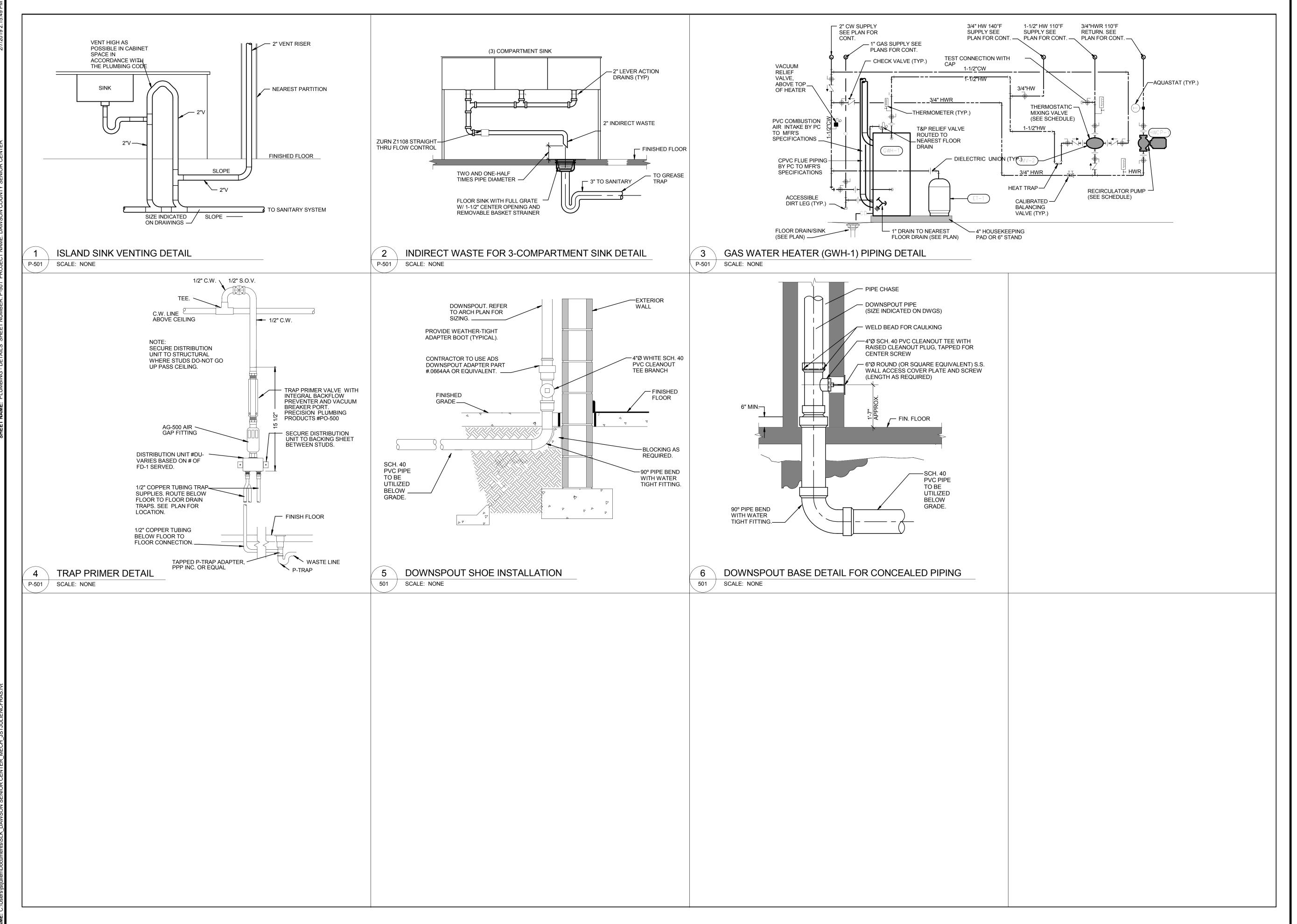
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SHEET NUMBER



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SHEET TITLE

**PLUMBING - DETAILS** 

SHEET NUMBER

### DI LIMPING EIVTLIDE SCHEDLILE

FIXTURE	FIXTURE		FIXTURE MODEL	FLUSH VALVE	TOILET SEAT	FAUCET MODEL	DRAIN MODEL	SE	RVICE CC	NNECTIO	NS
NUMBER	DISTRIPTION	FIXTURE SPECIFICATION	NUMBER AND MANUFACTURER	MODEL AND MANUFACTURER	MODEL AND MANUFACTURER	NUMBER AND MANUFACTURER	NUMBER AND MANUFACTURER	SEWER	VENT	CW	HW
P1	WATERCLOSET - ADA	WATER CLOSET - FLOOR MOUNTED, COMMERCIAL, BOTTOM OUTLET, ELONGATED FRONT, WHITE VITREOUS CHINA, SIPHON JET FLUSH WITH WHITE OPEN FRONT TOILET SEAT - 1 1/2 INCH TOP SPUD, EXPOSED MANUAL FLUSH VALVE 1.1 GALLON PER FLUSH. MOUNT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ADA REQUIREMENTS. PROVIDE INSTALLATION KITS.	AMERICAN STANDARD MADERA FLOWISE # 3043.001	AMERICAN STANDARD MANUAL FLOWISE FLUSH VALVE # 6047.121.002	AMERICAN STANDARD 5901.100			4"	2"	1"	
P2	WATERCLOSET - ADA - AMBULATORY	WATER CLOSET -FLOOR MOUNTED, COMMERCIAL, REAR OUTLET, ELONGATED FRONT, WHITE VITREOUS CHINA, SIPHON JET FLUSH WITH WHITE OPEN FRONT TOILET SEAT - 1 1/2 INCH TOP SPUD, EXPOSED MANUAL FLUSH VALVE WITH 1.1 GALLON PER FLUSH - MOUNT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ADA REQUIREMENTS. PROVIDE INSTALLATION KITS.	AMERICAN STANDARD MADERA FLOWISE # 3043.001	AMERICAN STANDARD MANUAL FLOWISE FLUSH VALVE # 6047.121.002	AMERICAN STANDARD 5901.100			4"	2"	1"	
P3	URINAL - ADA	WALL MOUNT 1.0 GPF EXPOSED TOP SPUD URINAL, EXPOSED SENSOR OPERATED, BATTERY POWERED FLUSH VALVE WITH MANUAL OVERRIDE BUTTON - MOUNTED FOR ADA. PROVIDE INSTALLATION KITS.	AMERICAN STANDARD 6590.001	AMERICAN STANDARD 6063.101.002				2"	1-1/2"	3/4"	
P4	LAVATORY (DROP-IN)	VITREOUS CHINA, DROP-IN CHINA ROUND BASIN WITH OVERFLOW, SINGLE HOLE MOUNT AND MANUAL OPERATED FAUCET. PROVIDE INSTALLATION KITS.	AMERICAN STANDARD 0490.156			AMERICAN STANDARD 6114.115.002		2"	1-1/2"	1/2"	1/2"
P5	LAVATORY - ADA (WALL HUNG)	VITREOUS CHINA, WALL MOUNT SQUARE BASIN WITH OVERFLOW, SINGLE HOLE MOUNT AND MANUAL OPERATED FAUCET - MOUNTED FOR ADA. PROVIDE INSTALLATION KITS.	AMERICAN STANDARD 0356.421			AMERICAN STANDARD 6114.115.002		2"	1-1/2"	1/2"	1/2"
P6	PEDICURE SINK (SINGLE COMPARTMENT)	SEAMLESS TYPE 304 18 GAUGE STAINLESS STEEL SINGLE COMPARTMENT UNDERMOUNT SINK. 19"x20"x10-1/2" DEEP WITH TWO HOLE PUNCH 4 INCH ON CENTER AND CENTER DRAIN. DUAL LEVER HANDLE, DECK MOUNTED FAUCET, WITH 5" GOOSENECK SPOUT. PROVIDE INSTALLATION KITS.	JUST SLX-2019-A-GR			ELKAY LK406GN05T4		1-1/2"	1-1/2"	1/2"	1/2"
P7	SINK (SINGLE COMPARTMENT)	SEAMLESS TYPE 304 18 GAUGE STAINLESS STEEL SINGLE COMPARTMENT UNDERMOUNT SINK. 22"x14"x6-1/2" DEEP WITH TWO HOLE PUNCH 4 INCH ON CENTER AND CENTER DRAIN. DUAL LEVER HANDLE, DECK MOUNTED FAUCET, WITH 5" GOOSENECK SPOUT. PROVIDE INSTALLATION KITS.	JUST SL-ADA-22145-A-GR			JUST JGN-740		1-1/2"	1-1/2"	1/2"	1/2"
P8	SINK (DOUBLE COMPARTMENT)	SEAMLESS TYPE 304 18 GAUGE STAINLESS STEEL DOUBLE COMPARTMENT COUNTERTOP SINK. 33"x22"x6.5" DEEP WITH TWO HOLE PUNCH 4 INCH ON CENTER AND OFF-CENTERED DRAIN. DUAL LEVER HANDLE, DECK MOUNTED FAUCET, WITH 5" GOOSENECK SPOUT. PROVIDE INSTALLATION KITS.	JUST SLX-2019-A-GR			ELKAY LK406GN05T4		1-1/2"	1-1/2"	1/2"	1/2"
P9	SINK (TRIPLE COMPARTMENT)	LEDGE TYPE, TRIPLE BOWL SINK, SEAMLESS DIE-DRAWN CONSTRUCTION TYPE 304, 18-8 STAINLESS STEEL, SELF RIMMING WITH GOOSE NECK FAUCET AND WRIST BLADE HANDLES. PROVIDE INSTALLATION KITS.	JUST TE-ADA-1944-A-GR			CHICAGO FAUCET 201 AGN8ES 317CP		1-1/2"	1-1/2"	1/2"	1/2"
P10	MOP SINK (FLOOR MOUNTED)	MOLDED-STONE SERVICE SINK, WHITE SINGLE SQUARE COMPARTMENT UNIT. 24"x24"x10" DEEP FLOOR MOUNTED WITH WALL MOUNTED FAUCET FOR MOP SINK WITH MOP HANGER, 3" QUICK DRAIN CONNECTOR, HOSE AND HOSE BRACKET. PROVIDE INSTALLATION KITS.	FIAT MSB 2424			FIAT 830-AA		3"	2"	3/4"	3/4"
P11	WALL HYDRANT	NON-FREEZE CONCEALED VANDAL RESISTANT HOSE BIB WITH STAINLESS STEEL BOX AND LOCKING DOOR AND INTEGRAL VACUUM BREAKER (18" AFF). PROVIDE INSTALLATION KITS.	ZURN Z-1320							3/4"	
P12	WASHING MACHINE VALVE BOX	METAL 1/4 TURN WASHING MACHINE VALVE BOX. PROVIDE INSTALLATION KITS.	WATERTITE W4700 TM					1-1/2"		3/4"	3/4"
P13	REFRIGERATOR / ICE MAKER VALVE BOX	PLASTIC REFRIGERATOR / ICE MAKER WATER SUPPLY VALVE BOX. PROVIDE INSTALLATION KITS.	WATERTITE MIB1AB							1/2"	
P14	WATER COOLER - ADA	BI-LEVEL WATER COOLER. FRONT AND SIDE PUSH PADS, HOODED RUBBER BUBBLIER, STAINLESS STEEL TOP AND SIDE PANELS. 8.0 GALLONS OF CHILLED WATER PER HOUR - STANDARD MOUNTING AT 36 INCHES TO BUBBLIER - 115 VOLT, 60 HZ SINGLE PHASE. PROVIDE INSTALLATION KITS.	ELKAY LZSTL8WSLK					1-1/4"	1-1/4"	1/2"	

N O T E : LAVATORY AND HAND SINK P-TRAPS AND SUPPLIES SHALL BE INSTALLED WITH "TRUEBRO" INSULATION KITS MODEL # 102 NOTE: SCHEDULED FIXTURES ARE BASIS OF DESIGN. OTHER MANUFACTURES ARE ACCEPTED IF THEY MEET OR EXCEED DESIGN CRITERIA, ARE AN APPROVED EQUAL OR RECEIVE PRIOR APPROVAL.

	PLUMBING EXPANSION TANK SCHEDULE											
PLAN MARK	MANUFACTURER	MODEL	MAX PRESSURE P.S.I.	MAX TEMP °F	TANK VOLUME GALLONS	MAX ACCEPTANCE FACTOR	AIR PRE-CHARGE P.S.I.	CONNECTION SIZE (IN.)	DIAMETER (IN.)	HEIGHT (IN.)	WEIGHT (LBS.)	REMARKS
ET1	AMTROL	ST-60-VC	150	140	25	0.64	40	3/4"	16"	19"	60	ASME SECTION VIII
DESIGN I	BASED ON THE FOLLOWING	S: SUPPLY				OTHER ACC	EPTABLE MANUFACTURI	ER'S ARE: WATTS, ZURI	N/WILKINS,			

PRESSURE = 60 P.S.I. WATER VOLUME INCREASE OF 2%%% FROM 40 - 140

BELL & GOSSETT, STATE, FLEXCON, WESSELS

PLUMBING DRAIN SCHEDULE										
DRAIN NUMBER	DESCRIPTION	LOCATION / TASK	REQUIREMENTS	BASIS OF DESIGN						
FD-1 w/TP	FLOOR DRAIN	FINISHED AREAS WITH PUBLIC AND STAFF ACCESSIBILITY	FLOOR DRAIN CAST IRON BODY BOTTOM OUTLET MEDIUM DUTY 4 INCH MINIMUM DIAMETER POLISHED NICKEL BRONZE TYPE "B" STRAINER WITH TRAP PRIMER.	ZURN MODEL Z-415						
FD-2 w/TP	FLOOR DRAIN	CONCEALED AREAS MECHANICAL ROOMS	FLOOR DRAIN CAST IRON BODY BOTTOM OUTLET HEAVY DUTY, VANDAL PROOF 9 INCH DIAMETER ROUND CAST IRON STRAINER TRAP PRIMER.	ZURN MODEL Z-508						
FS1	FLOOR SINK	CONCESSION & PREP AREAS	BOTTOM DOME ANTI -SPLASH STRAINER, UNIT TO BE A.R.E WITH GRATE AS SHOWN	ZURN MODEL Z1900-33						

LISTED MANUFACTURERS ARE BASIS OF DESIGN, REFER TO SPECIFICATIONS FOR ADDITIONAL APPROVED MANUFACTURERS AND SPECIFICATION INFORMATION.

	GAS WATER HEATER SCHEDULE										
TAG	MANUFACTURER MODEL	CAPACITY	втин	GAS CONN.	COLD INLET	HOT OUTLET	AIR INLET	AIR VENT	VOLT/PH	VENT	LOCATION
GWH-1	A.O. SMITH / BTH199	100 GAL	199,000	3/4"	1-1/2"	1-1/2"	3"	4"	115/1	CONCENTRIC	LAUNDRY/JANITOR ROOM
LISTED M.	ANUFACTURER AND MODELS	ARE BASIS OF D	ESIGN APF	PROVED EQU	JALS ACCEP	TABLE.					

				TH	IERM	OSTATIC	MIXING V	ALVE SCHEDULE
PLAN MARK	MANUFACTURER	MODEL	GPM	INL CW	ET	OUTLET	MOUNTING	REMARKS
TMV1	BRADLEY	S59-2080	*8-85	1"	1"	1-1/4"	WALL	WALL MOUNTED MIXING VALVE WITH UNION ENDS, INLET CHECK VALVES, TEST CONNECTION, CHROME PLATED. SET TO 110 F DEGREES. ASSE 1016,1070 (MULTIPLE FAUCETS)

LISTED MANUFACTURER AND MODELS ARE BASIS OF DESIGN APPROVED EQUALS ACCEPTABLE.

115/1

1/8

MANUFACTURER MODEL

RECIRCULATING PUMP SCHEDULE

HP VOLT/PH FLA DISCHARGE

3.2

MAX HEAD CAPACITY

4 GPM

10

LOCATION

LAUNDRY/JANITOR

ROOM

DESIGN FLOWS BASED ON 5 PSI PRESSURE DROP MAXIMUM.

\* 0.5 GPM MINIMUM FLOW RATE CAN BE ACHIEVED WHEN PROPERLY INSTALLED WITH A RECIRCULATION SYSTEM AND RECIRCULATION PUMP AND PIPED PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

NOTE: OTHER ACCEPTABLE MANUFACTURER'S SHALL BE: SIMMONS, POWERS, LEONARD, WILKINS, ZURN.

DRAIN NUMBER	DESCRIPTION	LOCATION / TASK	REQUIREMENTS	BASIS OF DESIGN
FCO	FLOOR CLEANOUT	FINISHED AREAS WITH PUBLIC AND STAFF ACCESSIBILITY	EPOXY COATED CAST IRON FLOOR CLEANOUT WITH 5" ROUND ADJUSTABLE GASKETED HEAVY DUTY STEEL TOP, REMOVABLE GAS TIGHT BRASS PLUG.	WATTS MODEL CO-1200-R
WCO	WALL CLEANOUT	RESTROOMS	THREADED BRASS CLEANOUT PLUG WITH COUNTERSUNK HEAD, STAINLESS STEEL ACCESS COVER AND VANDAL PROOF STAINLESS STEEL SCREW	WATTS MODEL CO-590-RD

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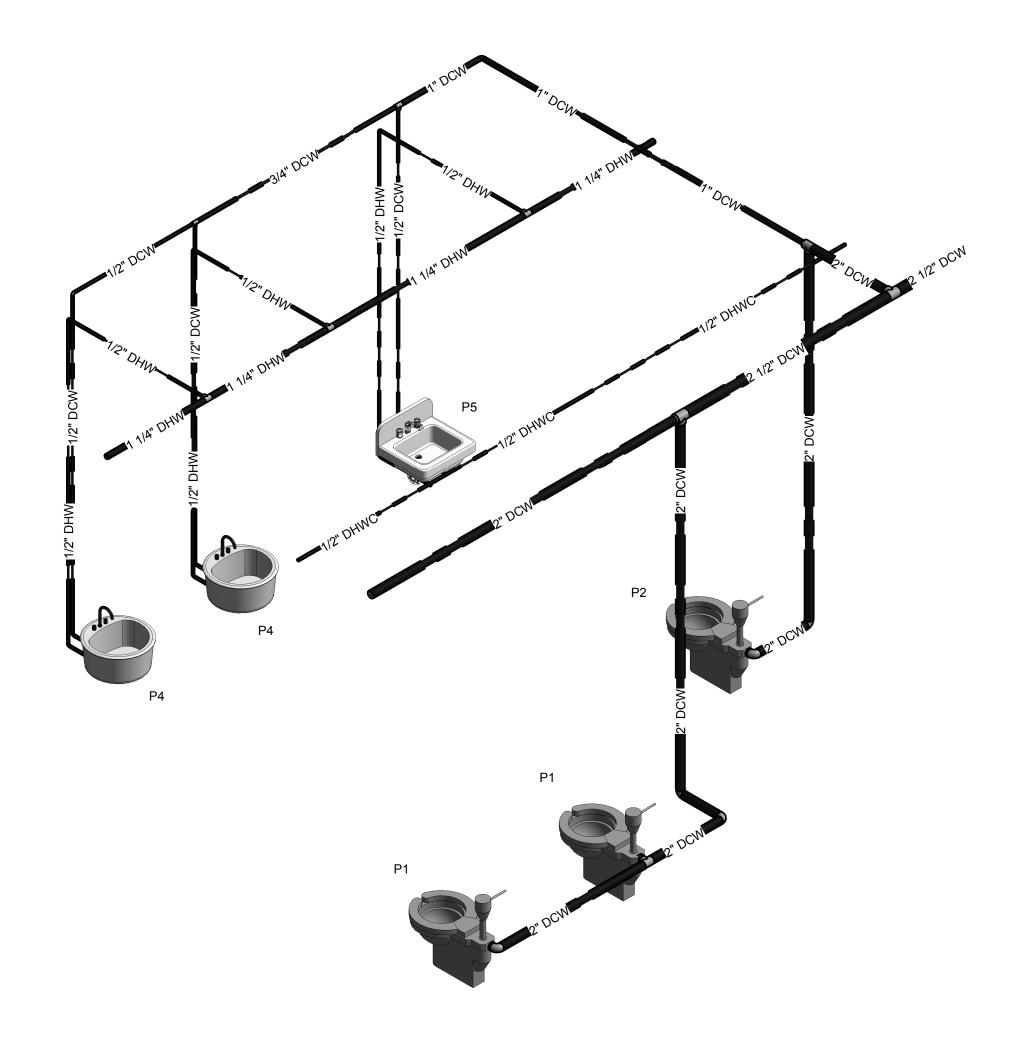
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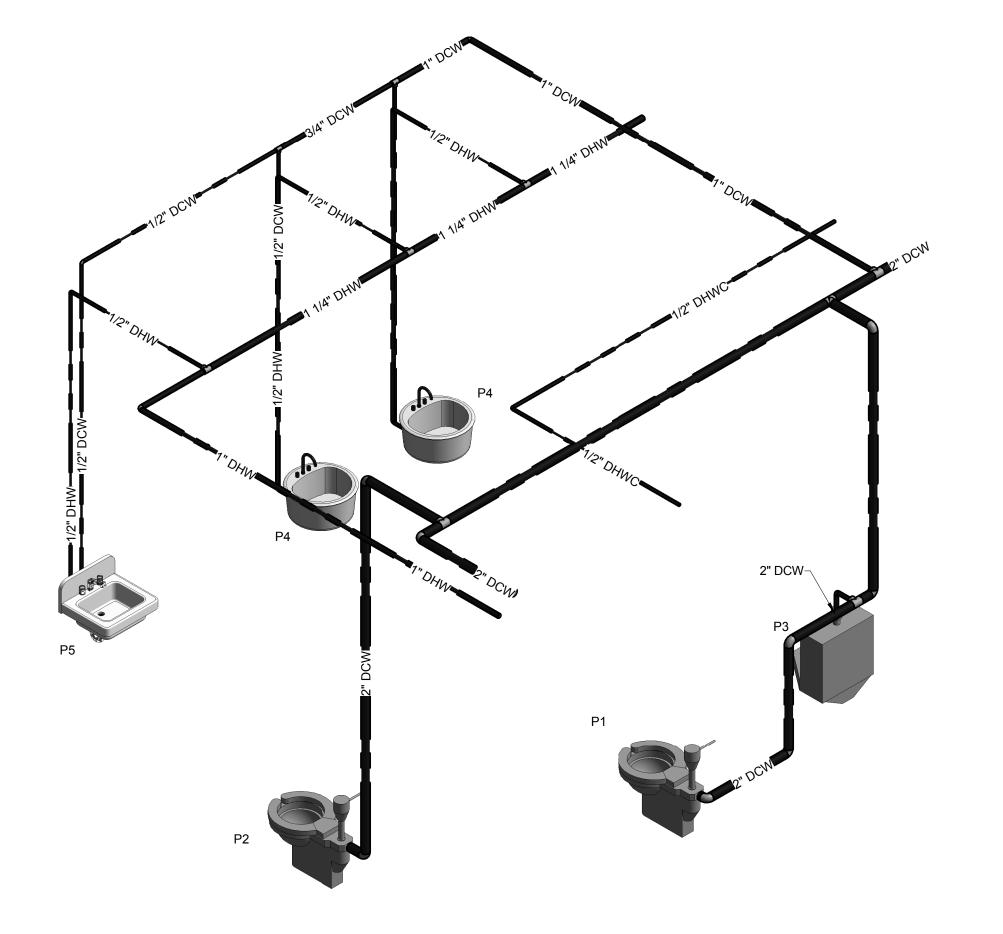
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SHEET TITLE

**PLUMBING -SCHEDULES** 

SHEET NUMBER





1 P-700

PLUMBING - WOMEN'S RESTROOMS - DOMESTIC RISER

P-700 PLUMBING - MEN'S RESTROOMS - DOMESTIC RISER

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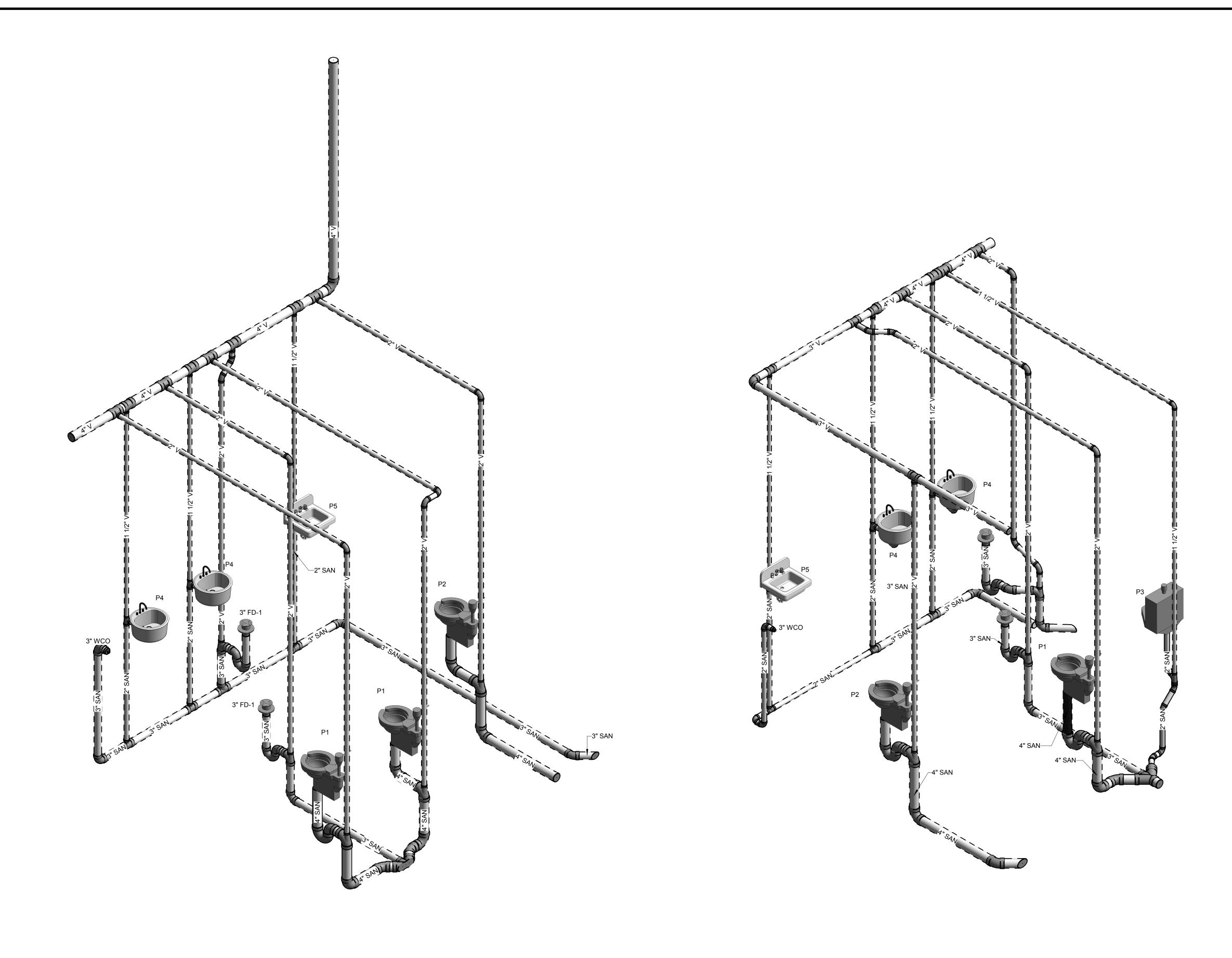
02/04/2019

PROJECT NUMBER

PLUMBING -

DOMESTIC RISER DIAGRAM

SHEET NUMBE



2 PI

PLUMBING - WOMEN'S RESTROOMS - SANITARY RISER

PLUMBING - MEN'S RESTROOMS - SANITARY RISER

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PLUMBING SANITARY RISER

SHEET NUMBER

P-720

**DIAGRAM** 

PERMITS: THE CONTRACTOR SHALL INCLUDE IN THE BID PRICE THE PAYMENT OF ALL NECESSARY PERMITS. PROVIDE THE OWNER PRIOR TO THE FINAL PAYMENT A JURISDICTION CERTIFYING THAT THE ELECTRICAL WORK MEETS ALL REQUIREMENTS OF THE LOCAL INSPECTION AUTHORITIES AND/OR THE NATIONAL BOARD OF FIRE <u>VERIFICATION:</u> IN CASES OF DOUBT AS TO THE WORK INTENDED, OR IN THE EVENT

OF NEED FOR EXPLANATION THEREOF, THE CONTRACTOR SHALL REQUEST SUPPLEMENTARY INSTRUCTIONS FROM THE ENGINEER. NO CHANGES ARE TO BI MADE TO THE WORK OF THIS CONTRACT WITHOUT PRIOR KNOWLEDGE AND APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL HOLD THE OWNER AND ITS CONSULTANTS HARMLESS AGAINST ALL CLAIMS AND JUDGMENTS ARISING OUT OF THE CONTRACTORS PERFORMANCE OF THE WORK OF THIS CONTRACT. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK, WHICH HE EXPECTS ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT, WITHOUT WRITTEN AUTHORIZATION FROM THE APPROPRIATE AUTHORITY. FAILURE TO OBTAIN SUCH AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.

COORDINATION: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE WORK AND EQUIPMENT SPECIFIED HEREIN WITH THE WORK TO BE PERFORMED AND EQUIPMENT TO BE FURNISHED BY OTHERS TO ASSURE A COMPLETE AND SATISFACTORY INSTALLATION MEETING WITH THE APPROVAL OF THE ENGINEER.

MATERIALS AND SUBSTITUTIONS: THE CONTRACTOR SHALL SUBMIT A LIST OF ELECTRICAL MATERIAL MANUFACTURERS TO THE OWNER/ENGINEER FOR APPROVAL, PRIOR TO ORDERING AND/OR INSTALLATION. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT PERMISSION OF THE ENGINEER IN WRITING. THE COST OF ANY REDESIGNING CAUSED BY UNAUTHORIZED SUBSTITUTION SHALL BE ASSUMED BY THE CONTRACTOR.

SCHEDULING: THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ALL SCHEDULING OF WORK.

8. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.

9. THE CONTRACTOR SHALL KEEP THE WORK SITE AND SURROUNDING AREA FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH GENERATED BY WORK FROM THIS CONTRACT. CONTRACTOR SHALL PROPERLY AND LEGALLY DISPOSE OF ALL MATERIALS. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT BUILDING OCCUPANTS AND CONTENTS, AND PREVENT THE SPREAD OF DUST AND DIRT INTO OCCUPIED AREAS.

10. THE CONTRACTOR SHALL BE AWARE OF ALL FLASH HAZARD REQUIREMENTS FOR THIS PROJECT. PROTECTIVE EQUIPMENT SHALL BE WORN, WHERE APPLICABLE, AND PRACTICES SHALL BE FOLLOWED IN ACCORDANCE WITH FLASH HAZARD LEVEL.

11. THE CONTRACTOR SHALL PROVIDE ACCESS HATCHES WHERE REQUIRED FOR INACCESSIBLE CEILINGS, WALLS, FLOORS, ETC.

SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

13. <u>GROUNDING:</u> ALL SYSTEMS SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, ALL LOCAL CODES. AND EQUIPMENT AS REQUIRED. PROVIDE EQUIPMENT GROUNDING CONDUCTORS FOR ALL FEEDERS AND CIRCUITS.

14. THE CONTRACTOR SHALL VISIT THE SITE AND CAREFULLY EXAMINE ALL EXISTING CONDITIONS THAT MAY AFFECT THE BID. FAILURE TO VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING WILL NOT ABSOLVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLYING WITH THE CONTRACT DOCUMENTS.

15. THE CONTRACTOR SHALL PROVIDE ONE ELECTRONIC COPY OF SUBMITTALS INCORPORATING PRODUCT DATA (CATALOG CUTS) AND SHOP DRAWINGS FOR APPROVAL OF ALL MATERIAL TO BE USED ON THIS PROJECT. PRODUCT DATA/SHOP DRAWINGS SHALL BE SUBMITTED FOR ITEMS TO INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING AS APPLICABLE FOR THE PROJECT: CONDUCTORS, CABLES, CONDUIT, CONDUIT FITTINGS, CONDUIT BODIES, SUPPORT HARDWARE, DEVICE BOXES, DEVICE COVERS, JUNCTION BOXES, PULL BOXES, ENCLOSURES, SAFETY SWITCHES, FUSES, CIRCUIT BREAKERS, PANELBOARDS, MOTOR CONTROLS, WIRING DEVICES, LIGHTING FIXTURES, IDENTIFICATION LABELS, ETC. PRIOR TO SUBMITTING. CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR COMPLIANCE WITH CONTRACT DOCUMENTS, CONFLICTS WITH OTHER TRADES, AND CONSTRUCTABILITY. CONTRACTOR SHALL IDENTIFY ANY DEVIATIONS IN SUBMITTALS FROM CONTRACT DOCUMENTS. ENGINEER'S REVIEW OF SUBMITTALS DOES NOT INCLUDE REVIEW OF DIMENSIONS, DETAILS, OR QUANTITIES. REVIEW DOES NOT WAIVE ANY REQUIREMENTS OF CONTRACT DOCUMENTS, INCLUDING REQUIREMENT TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.

16. THE CONTRACTOR SHALL MAINTAIN ON SITE A MARKED UP (RED LINED) COMPLETE SET OF PRINTS FOR THE PROJECT AND RECORD ANY CHANGES TO THE ORIGINAL DESIGN. THESE PRINTS SHALL BE SUBMIT TO THE ENGINEER WITHIN 2 WEEKS OF THE SCHEDULED COMPLETION OF THE PROJECT.

17. PROVIDE THREE (3) COPIES OF OPERATION AND MAINTENANCE (O&M) MANUALS FOR ALL NEW EQUIPMENT AND DEVICES INSTALLED AS PART OF THIS WORK. MANUALS SHALL INCLUDE THE FOLLOWING ITEMS BOUND IN A SUBSTANTIAL BINDER: SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR

EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. • O&M MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.

SPARE PARTS LISTS FOR ALL EQUIPMENT.

NAME AND ADDRESS OF AT LEAST ONE QUALIFIED SERVICE AGENCY.

WHEN MOUNTING ELECTRICAL WORK IN AREAS SUBJECT TO PEDESTRIAN TRAFFIC. CONTRACTOR SHALL MAINTAIN EXISTING HEADROOM CLEARANCES. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY SUPPORTS AND HARDWARE FOR MOUNTING OF ELECTRICAL EQUIPMENT INCLUDED IN THIS PROJECT. MOUNTING HEIGHTS AND RESTRICTIONS SHALL BE PER N.E.C.

**ELECTRICAL NOTES** 

ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UL OR ETL LISTED AND SHALL CONFORM TO FACTORY MUTUAL STANDARDS AS APPLICABLE.

ALL WIRING SHALL BE INSTALLED PER PROJECT SPECIFICATIONS.

REQUIREMENTS.

UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER #12 AWG AND SHALL BE RATED AT 600V OR GREATER. REFER TO ELECTRICAL SPECIFICATION FOR ALL OTHER REQUIREMENTS.

UNLESS OTHERWISE NOTED CONDUCTORS FOR BRANCH CIRCUITS SHALL BE SIZED TO PREVENT VOLTAGE DROP EXCEEDING 3% FOR BRANCH CIRCUITS AND 2% AT FEEDER CIRCUITS AT THE FARTHEST POINT. HOMERUN BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FROM THE PANELBOARD TO THE FIRST OUTLET IN ACCORDANCE WITH THE FOLLOWING MAXIMUM CIRCUIT LIMITS, USING CENTER OF LOAD SERVED AS BASIS FOR COMPUTING CIRCUIT LENGTHS:

#12 AWG #10 AWG 120 VOLT (20A) 100FT 120 VOLT (20A) 165FT

WHERE BRANCH CIRCUIT HOMERUNS ARE NOT SHOWN, THE CONTRACTOR MAY COMBINE CIRCUITS IN ACCORDANCE WITH THE NEC AS FOLLOWS:

A. ALL SINGLE PHASE CIRCUITS SHALL HAVE A DEDICATED NEUTRAL.

B. MAXIMUM OF THREE 20A. 1-POLE BRANCH CIRCUITS MAY BE COMBINED IN A COMMON HOMERUN FOR A TOTAL OF SIX CURRENT CARRYING CONDUCTORS IN A SINGLE RACEWAY.

C. ALL BRANCH CIRCUITS LARGER THAN 20A SHALL BE SEPARATELY HOMERUN TO

LABELING: THE CONTRACTOR SHALL PROVIDE IDENTIFICATION LABELING OF CIRCUITS, WIRING DEVICES, CONDUIT AND CONDUCTORS AS FOLLOWS:

A. THE CONTRACTOR SHALL PROVIDE NEW TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELS INVOLVED IN THE PROJECT INCLUDING EXISTING PANELS.

B. ALL INDIVIDUAL CONDUCTORS WITHIN PULL BOXES, JUNCTION BOXES AND AT POINTS OF USE SHALL BE IDENTIFIED BY PANEL AND CIRCUIT NUMBERS. CONDUCTORS SHALL BE IDENTIFIED VIA HEAT SHRINK IDENTIFICATION LABELS. COLOR CODE SHALL FOLLOW N.E.C. AND STANDARD U.S. CONVENTIONS.

C. ALL PULL BOXES AND JUNCTION BOXES ENCLOSING FEEDERS, SUB-FEEDERS AND BRANCH CIRCUITS SHALL IDENTIFY THE CIRCUITS WITHIN BY PANEL AND CIRCUIT NUMBERS. IDENTIFICATION SHALL BE ACCOMPLISHED VIA 1/4 INCH "P-TOUCH" (CLEAR W/ BLACK) LABELS AFFIXED TO COPPER PLATES.

D. ALL WIRING DEVICES (RECEPTACLES, TOGGLE SWITCHES, ETC.) AFFECTED BY THIS PROJECT SHALL HAVE 1/4 INCH "P-TOUCH" (CLEAR W/BLACK) LABELS AFFIXED TO COVER PLATES. CONNECTED BRANCH CIRCUITS SHALL BE IDENTIFIED BY PANEL AND CIRCUIT NUMBERS.

E. ALL EMERGENCY EGRESS LIGHTING SHALL HAVE 1/4 INCH "P-TOUCH" (WHITE W/RED) LABELS THAT READ "EMER".

ALL PANELBOARDS, SAFETY SWITCHES, MOTOR CONTROLS, CONTROL CABINETS, ETC. SHALL HAVE BLACK LAMINATED PLASTIC IDENTIFICATION PLATES WITH WHITE LETTERS INDICATING VOLTAGE CONTAINED WITHIN, EQUIPMENT SERVED AND POWER SOURCE (PANEL AND CIRCUIT NUMBER). REFER TO EXAMPLES AS LISTED BELOW:

SAFETY SWITCH: PANEL BOARD: CU-1 PANEL "PPA" 208V, 3Ø 120/208V, 3Ø, 4W FED FROM PP1-1.3.5 FED VIA METER "X" IN ELEC RM

12. SAFETY: ALL JOB SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR AND 8. UNLESS OTHERWISE INDICATED, ALL HVAC STARTERS, VFD'S, CONTROL DEVICES, CONTROL WIRING AND CONTROL CONDUIT SHALL BE PROVIDED AS REQUIRED UNDER MECHANICAL DIVISION. ALTHOUGH THEY MAY NOT BE SHOWN ON THE MECHANICAL OR ELECTRICAL DRAWINGS. BRANCH CIRCUIT BREAKERS, POWER WIRING, POWER CONDUIT AND THE LOCAL DISCONNECTING MEANS SHALL BE PROVIDED UNDER ELECTRICAL DIVISION. PROVIDE "HACR" TYPE CIRCUIT BREAKERS FOR ALL CIRCUITS SUPPLYING HVAC EQUIPMENT. CIRCUIT BREAKER, WIRING AND CONDUIT SIZES INDICATED ON THE ELECTRICAL DRAWINGS ARE BASED ON SPECIFIC MECHANICAL EQUIPMENT DESIGN SELECTIONS. WHEN THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED HAS DIFFERENT ELECTRICAL REQUIREMENTS, THE MECHANICAL; DIVISION AND ELECTRICAL DIVISION INSTALLERS MUST COORDINATE ANY REQUIRED CHANGES. WHEN THE MECHANICAL EQUIPMENT MANUFACTURER REQUIRES FUSE-ONLY PROTECTION, THE LOCAL DISCONNECTING MEANS SHALL BE A FUSED DISCONNECT, FUSED AS PER THE RECOMMENDATION OF THE MANUFACTURER. WHEN DISCONNECTS ARE SHIPPED LOOSE WITH THE MECHANICAL EQUIPMENT, THEY SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL COORDINATION BETWEEN THE MECHANICAL DIVISION AND ELECTRICAL DIVISION INSTALLERS SHALL BE FINALIZED PRIOR TO BID. ALL REQUIRED CHANGES SHALL BE AT NO ADDITIONAL COST TO THE OWNER.

> ALL ELECTRICAL WORK SHALL BE CONCEALED IN ALL FINISHED AREAS SHOWN ON THE ARCHITECTURAL DRAWINGS. CONDUIT MAY BE EXPOSED ON SURFACE OF MASONRY BRICK OR CONCRETE WALLS AND WITHIN MECHANICAL AND/OR ELECTRICAL ROOMS AND CLOSETS.

10. <u>ELECTRICAL SERVICE PROVISIONS:</u> THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FROM THE LOCAL UTILITY. ALL COORDINATION AND SCHEDULING WITH THE UTILITY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PAYMENT OF ALL SERVICE FEES CHARGED BY THE UTILITY. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS AND WORK AS REQUIRED BY THE UTILITY FOR COMPLETE AND FUNCTIONAL ELECTRICAL SERVICES. ALL COSTS ASSOCIATED WITH THE PROVISION FOR THE SERVICES ARE TO BE INCLUDED IN THE CONTRACTOR'S BID PRICE.

**EQUIPMENT LOCATIONS:** THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LIGHT FIXTURE LOCATIONS AND THE MECHANICAL DRAWINGS FOR EXACT MECHANICAL EQUIPMENT LOCATIONS. LOCATIONS OF ALL ELECTRICAL EQUIPMENT & CONDUIT ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS TO BE DETERMINED IN FIELD BY CONTRACTOR. WHEREVER POSSIBLE, THE CONTRACTOR SHALL OBTAIN ACTUAL ROUGH-IN DRAWINGS FOR THE ACTUAL ITEM OF EQUIPMENT TO BE INSTALLED PRIOR TO ROUGH-IN. THIS SHALL APPLY TO ALL EQUIPMENT, WHETHER IT IS TO BE INSTALLED BY THE CONTRACTOR OR BY THE

CLEARANCES: ARRANGE CONDUIT, WIRING, EQUIPMENT AND OTHER WORK GENERALLY AS SHOWN, PROVIDING PROPER CLEARANCE AND ACCESS. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS AND COORDINATE THE WORK WITH ALL TRADES. WHERE DEPARTURES ARE PROPOSED BECAUSE OF FIELD CONDITIONS OR OTHER CAUSES, PREPARE AND SUBMIT DETAILED DRAWINGS FOR ACCEPTANCE.

**GUARANTEE:** THE ENTIRE ELECTRICAL INSTALLATION, MATERIAL AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. CONTRACTOR SHALL REPAIR AND MAKE GOOD AT THEIR OWN EXPENSE ANY AND ALL DEFECTS WHICH MAY ARISE DURING THAT TIME IF, IN THE JUDGMENT OF THE ENGINEER, SUCH DEFECTS ARISE FROM DEFECTIVE WORKMANSHIP AND/OR IMPERFECT OR INFERIOR MATERIAL.

14. PRIOR TO ACCEPTANCE OF THE PROJECT BY THE OWNER, ALL SYSTEMS SHALL BE TESTED AND OPERATED TO DEMONSTRATE TO THE OWNER'S REPRESENTATIVE THAT THE INSTALLATION AND PERFORMANCE OF THESE SYSTEMS AND/OR PARTS THEREOF CONFORM TO THE DESIGN INTENT.

ABBREV

AC

AFCI

AFF

ΑV

AWG

BG

BLDG

BOD

CB

CIS

CKT

CLG

CU

DISC

DWG

ELEC

EMT

EQUIP

EX

FAAP

FACU

FC

FLA

FP

GACP

GF

GFCI

GND

GRS

HTR

KWH

LAN

LED

LCP

LRC

LTG

LV

MB

MCB

MDP

MH

MLO

MP

MSB

MTD

N/A

N/C

N/O

NEC

NEU

NF

NTS

OC

**ABBREVIATION** 

**AMPERE** 

AIR CURTAIN

AVAILABLE FAULT

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

AIR HANDLING UNIT

AUDIO/VISUAL

**BELOW GRADE** 

BASIS OF DESIGN

CIRCUIT BREAKER

CONDENSING UNIT

DISCONNECT

EXHAUST FAN

**EMERGENCY FIXTURE** 

EMERGENCY PANELBOARD

ELECTRIC WATER HEATER

FIRE ALARM REMOTE ANNUNCIATOR PANEL

GENERATOR ANNUNCIATOR CONTROL PANEL

FIRE ALARM CONTROL UNIT/PANEL

FITNESS CENTER PANELBOARD

GROUND FAULT INTERRUPTER

HOT WATER RE-CIRCULATION PUMP

KILO AMP INTERRUPTING CAPACITY

GALVANIZED RIGID STEEL

RMS SYMMETRICAL

KILO VOLT AMPERE

KILO WATT HOUR

LIGHTING

MAIN BREAKER

METAL HALIDE

MAIN LUG ONLY

NOT APPLICABLE

NORMALLY CLOSED

NATIONAL ELECTRICAL CODE

NIGHT LIGHT EMERGENCY FIXTURE

NORMALLY OPEN

NOT IN CONTRACT

NOT TO SCALE

ON CENTER

MOUNTED

NEUTRAL

NON-FUSED

MAIN SWITCHBOARD

LOCAL AREA NETWORK

LIGHT EMITTING DIODE

LIGHTING CONTROL PANEL

LIGHTING RELAY CABINET

MAIN CIRCUIT BREAKER

MAIN DISTRIBUTION PANEL

MEDICAL CENTER PANELBOARD

LOW VOLTAGE (DATA, CONTROL, AV. FA)

KILO AMP CIRCULAR MILS

ELECTRIC WALL HEATER

ELECTRICAL

EQUIPMENT

EXISTING

FOOT CANDLE

FULL LOAD AMPS

GAS FURNACE

GROUND

HEATER

DRAWING

CISCO CABINET

BUILDING

CONDUIT

CIRCUIT

CEILING

AMPERE TRIP RATING

AMERICAN WIRE GAUGE

15. SEALING FITTINGS AND APPROVED SEALING COMPOUND SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. SEAL AROUND ALL CONDUIT PENETRATIONS OF FIRE-RATED WALLS WITH AN APPROVED SEALANT.

16. CONDUIT, FITTINGS, AND JUNCTION BOXES SHALL BE SUITABLE FOR THE AREA CLASSIFICATION IN WHICH THEY ARE TO BE INSTALLED.

17. FLOOR PENETRATIONS: ALL PENETRATIONS THROUGH FLOORS OR WALLS SHALL BE CORE-DRILLED. THE USE OF JACK HAMMERS SHALL NOT BE PERMITTED. MAXIMUM HOLE DIAMETERS SHALL NOT EXCEED 6 INCHES. ALL HOLES SHALL BE SPACED AT LEAST 18 INCHES APART IN ALL DIRECTIONS, RE-USE OF EXISTING PENETRATIONS SHALL BE PERMITTED. PRIOR TO ANY CORE DRILLING THROUGH FLOORS OR WALLS, THE ELECTRICAL CONTRACTOR SHALL VISUALLY SURVEY BOTH SIDES TO SEE IF THERE ARE ANY PIPES, DUCTS, OR ELECTRICAL SERVICES THAT MAY PRESENT OBSTACLES. THE ELECTRICAL CONTRACTOR SHALL ALSO IDENTIFY LOCATIONS OF EXISTING CONCRETE SLAB REINFORCEMENT OR IN-SLAB UTILITIES USING A TACHOMETER, X-RAY, OR SIMILAR DEVICE. ALL CORE-DRILLED PENETRATIONS SHALL BE A MINIMUM OF 3 INCHES AWAY FROM EXISTING CONCRETE SLAB REINFORCEMENT OR IN-SLAB UTILITIES. ALL CONDUIT PENETRATIONS THROUGH FLOORS AND WALLS SHALL BE SEALED ON BOTH SIDES WITH FIREPROOFING CAULK SO AS TO MAINTAIN THE FIRE RATING OF THE FLOOR

18. ROOF PENETRATIONS: COORDINATE WORK WITH CURRENT ROOFING CONTRACTOR. CONTRACTOR SHALL MINIMIZE THE NUMBER AND SIZE OF ALL ROOF PENETRATIONS, GROUPING MULTIPLE CONDUITS IN THE SAME PENETRATION WHEN POSSIBLE. WHEN APPLICABLE, CONTRACTOR SHALL COORDINATE WITH ORIGINAL ROOF MEMBRANE MANUFACTURER AND CURRENT ROOFING CONTRACTOR IN ORDER TO MAINTAIN ROOF WARRANTY. CONTRACTOR SHALL SEAL AROUND ALL ROOF PENETRATIONS WITH A LISTED SEALING COMPOUND. PROVIDE RUBBER BOOT, FLASHING, CAULKING, AND OTHER ITEMS AS REQUIRED FOR A WEATHERTIGHT INSTALLATION. PRIOR TO PENETRATING ROOF, CONTRACTOR MUST USE NON-DESTRUCTIVE MEANS TO LOCATE ALL REINFORCING STEEL OR TENDONS WITHIN THE PROPOSED AREA OR PENETRATION, IF APPLICABLE. WHEN PENETRATING ROOF, CONTRACTOR SHALL NOT CUT, BURN OR DAMAGE EXISTING REINFORCING STEEL OR TENDONS UNLESS APPROVED BY A STRUCTURAL ENGINEER. CONDUIT ROOF PENETRATIONS SHALL BE INCLUDED IN CONTRACTOR'S GUARANTEE OR WORK.

19. HEAT TRACE REQUIREMENTS: THE CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERABLE HEAT TRACE SYSTEM FOR ALL EXPOSED WATER SUPPLY AND DRAIN LINES. COORDINATE WITH OWNER, MECHANICAL CONTRACTOR, AND HEAT TRACE SUPPLIER TO PROVIDE HEAT TRACE CABLE, THERMOSTATIC CONTROL, POWER CONNECTION KITS, END TERMINATION KITS, POLYESTER FIBER TAPE, CIRCUIT BREAKER, POWER CABLE AND CONDUIT, AND ANY OTHER MATERIAL REQUIRED.

**ELECTRICAL ABBREVIATIONS** POLE

PH PHASE PNL PANEL POLY VINYL CHLORIDE ARC FAULT CIRCUIT INTERRUPTER RIGID GALVANIZED STEEL SCA SHORT CIRCUIT AMPS SEC SECURITY CABINET SF SQUARE FOOT SP SPACE SURGE PROTECTION DEVICE SPST SINGLE POLE SINGLE THROW SW SWITCH TELE TELECOMMUNICATIONS TELECOMMUNICATIONS GROUND BUS TELECOMMUNICATIONS MAIN GROUND BUS **TMGB** TELEPHONE TERMINAL BOARD TV **TELEVISION TYPICAL** UG UNDERGROUND UH **UNIT HEATER** UNO UNLESS NOTED OTHERWISE DOWN LEAD GROUNDING CONDUCTOR **VOLTAGE VOLTAGE ALTERNATING CURRENT** ELECTRIC CEILING HEATER VDC VOLTAGE DIRECT CURRENT VARIABLE FREQUENCY DRIVE W WIRE WATER HEATER ELECTRICAL METALLIC TUBING

WEATHERPROOF

WIRE SIZE AMPS

XFMR TRANSFORMER

	SHEET LIST - ELECTRICAL
-001	ELECTRICAL - GENERAL NOTES & ABBREVIATIONS
-002	SYMBOLS LEGEND
-100	POWER - LEVEL 1 FLOOR PLAN
-101	ELECTRICAL - ATTIC PLAN
-102	POWER - SITE PLAN
-103	PARKING LOT LIGHTING
-110	LIGHTING - LEVEL 1 FLOOR PLAN
-120	SYSTEMS - LEVEL 1 FLOOR PLAN
-130	FIRE ALARM - LEVEL 1 FLOOR PLAN
-201	ELECTRICAL - RISER DIAGRAM
-300	ELECTRICAL - ENLARGED AND PART PLANS
-400	ELECTRICAL - DETAILS
-401	ELECTRICAL - DETAILS

ELECTRICAL - DETAILS

ELECTRICAL - SCHEDULES

ELECTRICAL - SCHEDULES

F-402

E-500

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ARCHITECT OF RECORD

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02/04/2019

PROJECT NUMBER

**ELECTRICAL** -**GENERAL NOTES & ABBREVIATIONS** 

SHEET NUMBER

SYMBOL • -CONTROL IDENTIFIER FOR LIGHTING FIXTURE CIRCUIT BREAKER WITHIN PANEL SERVING BRANCH CIRCUIT. SCREW, PROVIDE HUBBELL CAT, NO. HBL1223W OR APPROVED TELECOMMUNICATION OUTLET (VOICE & DATA) IN DUAL-GANG NAC FIRE ALARM NOTIFICATION DEVICE POWER SUPPLY <u>EM</u> <u>C</u> → EQUIVALENT. MOUNT 48" A.F.F. U.O.N. FLUSH-MOUNTED OUTLET BOX WITH SINGLE GANG PLASTER RING AND (1) 1" EMT CONDUIT CONCEALED IN WALL EXTENDING FROM BOX TO 6" FIRE ALARM BELL DIMMER SWITCH CONTROL WITH SLIDE AND PRESET ON/OFF SWITCH └ <u>POWER</u> ABOVE CEILING LEVEL. PROVIDE EMT BOX CONNECTOR WITH PLASTIC SUITABLE FOR USE WITH 0-10V DIMMABLE LED DRIVERS. PROVIDE AREA SERVED H=480Y/277V - = NORMAL BUSHING ON CONDUIT END ABOVE CEILING. MOUNT 18" A.F.F. U.O.N. HUBBELL DECORATOR SERIES CAT. NO. RDVL600PW OR EQUAL BY MANUAL PULL STATION A = ADMINISTRATION I = 208Y/120VEM = EMERGENCY NUMBER NEXT TO DEVICE INDICATES QUANTITY OF CAT-6 CABLE BRYANT, LEVITON OR PASS & SEYMOUR COMPATIBILITY WITH B = BANQUET HALL LCP=CONTROL PANEL TERMINATIONS. SMOKE DETECTOR DIMMABLE LED LIGHTING FIXTURES PRIOR TO PURCHASING - MOUNT C = CHAPEL/CLASSROOMS LDP=DIMMING PANEL 48" A.F.F. UNLESS OTHERWISE NOTED K = KITCHEN TELECOMMUNICATION OUTLET (VOICE) IN SINGLE-GANG DUCT MOUNTED SMOKE DETECTORS (S=SUPPLY DUCT, R=RETURN S = SANCTUARY FLUSH-MOUNTED OUTLET BOX WITH SINGLE GANG PLASTER RING AND WALL SWITCH OCCUPANCY SENSOR WITH DIMMER - PASSIVE DUCT) INFRARED, SINGLE-CIRCUIT OPERATION, 120-277 VOLT RATED, 1/6 (1) 3/4" EMT CONDUIT CONCEALED IN WALL EXTENDING FROM BOX TO 6" **EQUIPMENT IDENTIFICATION:** ABOVE CEILING LEVEL. PROVIDE EMT BOX CONNECTOR WITH PLASTIC HEAT DETECTOR HORSEPOWER @ 120V AC WITH ZERO-CROSSING CIRCUITRY, DAMAGE BUSHING ON CONDUIT END ABOVE CEILING. MOUNT 48" A.F.F. U.O.N. RESISTANT LENS AND COLOR AS DIRECTED BY ARCHITECT (HUBBELL INDICATES EQUIPMENT TYPE XXXBUILDING AUTOMATION SYSTEMS CAT. NO. LHD-IRS3-NWH OR MULTIMEDIA OUTLET WITH (2) HDMI AND (2) CAT-6 CABLE TERMINATIONS. REMOTE COMMAND CENTER APPROVED EQUIVALENT. MOUNT 48" A.F.F. UNLESS OTHERWISE NOTED. INDICATES EQUIPMENT NUMBER PROVIDE DUAL-GANG FLUSH-MOUNTED OUTLET BOX WITH DUAL GANG WALL SWITCH VACANCY SENSOR WITH DIMMING - PASSIVE INFRARED. PLASTER RING AND (1) 2" EMT CONDUIT CONCEALED IN WALL SINGLE-CIRCUIT OPERATION, 120-277 VOLT RATED, 1/6 HORSEPOWER @ WALL MOUNTED COMBINATION HORN/STROBE FLOOR FURNITURE SYSTEM CONNECTION. PROVIDE (1) 2-GANG FLUSH EXTENDING FROM BOX TO 6" ABOVE CEILING LEVEL. PROVIDE EMT BOX 120V AC WITH ZERO-CROSSING CIRCUITRY, DAMAGE-RESISTANT LENS FLOOR BOX FOR 4-CIRCUIT / 8-WIRE POWER CONNECTION, CONNECTOR WITH PLASTIC BUSHING ON CONDUIT END ABOVE CEILING. AND COLOR AS DIRECTED BY ARCHITECT (HUBBELL BUILDING PROVIDE (1) 1" CONDUIT (POWER) FROM ABOVE ACCESSIBLE CEILING PROVIDE HUBBELL CAT. NO. NSAV62M WALL BOX WITH (1) NS802W, (1) F WALL MOUNTED STROBE AUTOMATION SYSTEMS CAT. NO. LHD-IRS3-NWH-M OR APPROVED SFUSBAA, AND (2) NSJ6W CONNECTORS. PROVIDE (1) NSP14W AND (1) SPACE, ROUTED DOWN THE NEAREST BUILDING STRUCTURAL COLUMN EQUIVALENT. MOUNT 48" A.F.F. UNLESS OTHERWISE NOTED LOCATION, AND INSIDE THE CONCRETE FLOOR SLAB TO THE FURNITURE NSAVIMFW FRAME. CEILING MOUNTED SPEAKER (F/A=FIRE ALARM, A/V=AUDIO/VISUAL) SYSTEM FLOOR BOXES, RESPECTIVELY. PROVIDE WHIP CONNECTOR AND FINAL FURNITURE SYSTEM POWER CONNECTION. CEILING MOUNTED TELECOMMUNICATION OUTLET (VOICE & DATA) IN WALL SWITCH OCCUPANCY SENSOR - DUAL-TECHNOLOGY DUAL-GANG FLUSH-MOUNTED OUTLET BOX WITH SINGLE GANG WF WATERFLOW SWITCH SINGLE-CIRCUIT OPERATION, 120-277 VOLT RATED, FLOOR FURNITURE SYSTEM CONNECTION. PROVIDE (1) 2-GANG FLUSH PLASTER RING. DAMAGE-RESISTANT LENS AND COLOR AS DIRECTED BY ARCHITECT FLOOR BOX FOR COMMUNICATION SYSTEMS CONNECTION., VS TAMPER SWITCH PROVIDE (1) 1.5" CONDUIT (COMMUNICATION SYSTEMS) FROM ABOVE CEILING MOUNTED SPECIAL PURPOSE RECEPTACLE. NEMA RATING AS ACCESSIBLE CEILING SPACE, ROUTED DOWN THE NEAREST BUILDING PS PRESSURE SWITCH SINGLE GANG LOW VOLTAGE WALL SWITCH PUSH BUTTON. STRUCTURAL COLUMN LOCATION AND INSIDE THE CONCRETE FLOOR SLAB X = LV FOR SINGLE PUSH BUTTON SPECIAL PURPOSE RECEPTACLE NEMA RATING AS SHOWN MOUNT 18" TO THE FURNITURE SYSTEM FLOOR BOXES, RESPECTIVELY. PROVIDE WHIP MM MONITOR MODULE X= # OF PUSHBUTTONS FOR 2 TO 6 PUSHBUTTON AFF. UNLESS OTHERWISE NOTED. CONNECTOR AND PULL STRING IN COMMUNICATION SYSTEMS CONDUIT. SEE LOW VOLTAGE PUSH BUTTON LIGHTING CONTROL IDENTIFICATION ANS CONNECTION TO FIRE SUPPRESSION SYSTEM (ANSUL SYSTEM) FOR MULTI- BUTTON LIGHTING CONTROL OF ENCLOSED ROOM. TV OUTLET WITH ONE (1) COAX F TYPE CONNECTOR, PROVIDE ONE WALL FURNITURE SYSTEM CONNECTION. PROVIDE (1) 2-GANG FLUSH MOUNT 48" A.F.F. UNLESS OTHERWISE NOTED. RG-6 CABLE FROM OUTLET NEAREST CATV BACKBOARD. MOUNT 72" WALL BOX FOR 4-CIRCUIT / 8-WIRE POWER CONNECTION. FIRE ALARM RELAY DIMMER TIMER SWITCH. PROVIDE HUBBELL DECORATOR SERIES CAT. AFF, UON. PROVIDE (1) 1" CONDUIT (POWER) FROM ABOVE ACCESSIBLE CEILING NO. DT2000W OR APPROVED EQUIVALENT. SPACE, ROUTED DOWN THE NEAREST BUILDING STRUCTURAL COLUMN GROUND ROD LOCATION, AND INSIDE THE CONCRETE FLOOR SLAB TO THE FURNITURE STANDARD SIZE WALL MOUNTED JUNCTION BOX/ HARD-WIRED SINGLE-POLE TOGGLE SWITCH IN DUAL-GANG SURFACE MOUNTED CONNECTION TO EQUIPMENT. COORDINATE FINAL CONNECTION SYSTEM FLOOR BOXES, RESPECTIVELY. PROVIDE WHIP CONNECTOR AND DEVICE BOX WITH SINGLE-GANG TILE RING AND WEATHERPROOF **GROUND TEST WELL** REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION. FINAL FURNITURE SYSTEM POWER CONNECTION. COVER PLATE. SWITCH SHALL BE EXTRA HEAVY DUTY SPECIFICATION. GRADE, 20 AMPERE, 1 HP, 120-277 VOLT WITH GROUND SCREW. AIR TERMINAL STANDARD SIZE CEILING MOUNTED JUNCTION BOX/ HARD-WIRED WALL FURNITURE SYSTEM CONNECTION. PROVIDE (1) 2-GANG FLUSH PROVIDE HUBBELL CAT. NO. HBL1221 (TOGGLE SWITCH) WITH HBL1750 CONNECTION TO EQUIPMENT. COORDINATE FINAL CONNECTION WALL BOX FOR COMMUNICATION SYSTEMS CONNECTION (COVER PLATE) OR APPROVED EQUIVALENT. MOUNT 48" A.F.F. U.O.N. **GROUNDING BOND** REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION. PROVIDE (1) 1.5" CONDUIT (COMMUNICATION SYSTEMS) FROM ABOVE ACCESSIBLE CEILING SPACE, ROUTED DOWN THE NEAREST BUILDING MOTOR RATED SINGLE POLE TOGGLE SWITCH WITH LOCK OUT COVER. AUTOMATIC DOOR **GROUNDING ELECTRODE SYSTEM** STRUCTURAL COLUMN LOCATION AND INSIDE THE CONCRETE FLOOR SLAB TO THE FURNITURE SYSTEM FLOOR BOXES, RESPECTIVELY. PROVIDE WHIP CONNECTOR AND PULL STRING IN COMMUNICATION SYSTEMS CONDUIT. DIMMING/LIGHTING CONTROL SYSTEM WALL SWITCH. TYPE AS NOTED ENCLOSED CIRCUIT BREAKER. SIZE AS NOTED ON DRAWINGS -DELTA/TRIAD GROUNDING ELECTRODE SYSTEM ON LIGHTING PLANS. PANELBOARD, SURFACE MOUNTED, MP=MEDICAL CENTER PANEL, OCCUPANCY SENSOR, CEILING-MOUNTED - DUAL-TECHNOLOGY BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT RUN CONCEALED FP=FITNESS CENTER PANEL, EP=EMERGENCY PANEL. (ULTRASONIC/PIR), LOW VOLTAGE (24V DC) OPERATION, COLOR AS ABOVE CEILING OR INSIDE COLUMN OR WALL. REFER TO PLANS DIRECTED BY ARCHITECT (HUBBELL BUILDING AUTOMATION AND/OR GENERAL NOTES FOR ADDITIONAL NEUTRALS AND ISOLATED SYSTEMS CAT. NO. OMNIDT2000 OR APPROVED EQUIVALENT PANELBOARD, SAME AS ABOVE, RECESSED MOUNTED. GROUNDING THAT MAY BE REQUIRED. REFER TO PANEL SCHEDULES FOR CONDUIT AND WIRE SIZES. OCCUPANCY SENSOR, WALL-MOUNTED & CEILING MOUNTED -DUAL-TECHNOLOGY (ULTRASONIC/PIR), LOW VOLTAGE (24V DC) VARIABLE FREQUENCY DRIVE WITH H-O-A SWITCH, RED RUN PILOT OPERATION, COLOR AS DIRECTED BY ARCHITECT (HUBBELL BUILDING LIGHT, SIZED FOR MOTOR HP AND VOLTAGE, TEXT INDICATES NEMA BRANCH CIRCUIT WIRING AS NOTED ABOVE. NUMERAL INDICATES AUTOMATION SYSTEMS CAT. NO. LODT OR APPROVED EQUIVALENT. RATING OF ENCLOSURE. BRANCH CIRCUIT NUMBER. OCCUPANCY SENSOR POWER RELAY PACK - PROVIDE UNIVERSAL VOLTAGE (120/277V), 20 AMPERE, 1 HORSEPOWER WITH COMBINATION STARTER WITH CIRCUIT BREAKER, H-O-A SWITCH, RED HOMERUNS TO PANEL. PANEL AND CIRCUIT DESIGNATIONS AS ZERO-CROSSING CIRCUITRY (HUBBELL BUILDING AUTOMATION RUN PILOT LIGHT, SIZE AS INDICATED. 30/3/1 INDICATED. NUMBER OF ARROWS DENOTE QUANTITY OF SINGLE POLE SYSTEMS CAT. NO. UVPP OR APPROVED EQUIVALENT. CIRCUITS. DUPLEX RECEPTACLE OUTLET IN DUAL-GANG FLUSH-MOUNTED DEVICE -NEMA RATING BOX WITH SINGLE-GANG TILE RING AND STAINLESS STEEL DEVICE FLEXIBLE RACEWAY. COVER PLATE. EXTRA HEAVY-DUTY, "DECORATOR" STYLE STRAIGHT -# OF POLES BLADE, 20 AMPERE, 120 VOLT, 2 POLE, 3 WIRE TYPE, NEMA 5-20R DISCONNECT/SAFETY SWITCH RATING PROVIDE HUBBEL CAT. NO. HBL2162WA OR APPROVED EQUIVALENT. CONDUIT ROUTED UPWARD. MOUNT 18" A.F.F. U.O.N. DISCONNECT/SAFETY SWITCH, PADLOCKABLE, SIZE AS INDICATED. CONDUIT ROUTED DOWNWARD. ABOVE COUNTER DUPLEX RECEPTACLE OUTLET IN DUAL-GANG FLUSH-30/3/20/1 MOUNTED DEVICE BOX WITH SINGLE-GANG TILE RING AND STAINLESS \_\_\_\_ CONDUIT ROUTED BELOW GRADE OR IN SLAB. DIAGONAL LINE INDICATE FUSED DISCONNECT STEEL DEVICE COVER PLATE. EXTRA HEAVY-DUTY, "DECORATOR" **NEMA RATING** STYLE STRAIGHT BLADE, 20 AMPERE, 120 VOLT, 2 POLE, 3 WIRE TYPE, CONDUIT ROUTED IN DUCTBANK -FUSE RATING NEMA 5-20R PROVIDE HUBBEL CAT. NO. HBL2162WA OR APPROVED EQUIVALENT. MOUNT 6" ABOVE COUNTER TOP TO CENTER, U.O.N. # OF POLES CONDUIT CAP DISCONNECT/SAFETY SWITCH RATING CARD READER (FURNISHED BY SECURITY VENDOR) - PROVIDE RECEPTACLE OUTLET AS ABOVE IN DOUBLE-DUPLEX CONFIGURATION BACKBOX AND 1" EMT CONDUIT TO 6" ABOVE CEILING. PROVIDE EMT WITH DUAL-GANG TILE RING. CABLE TRAY, ALUMINUM, 9" RUNG SPACING, (U.N.O), TYPE AND SIZE AS BOX CONNECTOR WITH PLASTIC BUSHING ON CONDUIT END ABOVE INDICATED. CEILING. COORDINATE EXACT LOCATION WITH ARCHITECT. DUPLEX RECEPTACLE OUTLET WITH USB CHARGER IN DUAL-GANG T10,12",24"R,90VI FLUSH-MOUNTED DEVICE BOX WITH SINGLE-GANG TILE RING AND INTERCOM STATION (FURNISHED BY SECURITY VENDOR) - PROVIDE BACKBOX AND 1" EMT CONDUIT TO 6" ABOVE CEILING. PROVIDE EMT STAINLESS STEEL DEVICE COVER PLATE. RECEPTACLE SHALL BE BOX CONNECTOR WITH PLASTIC BUSHING ON CONDUIT END ABOVE TAMPER-RESISTANT, SPECIFICATION GRADE, STRAIGHT BLADE, 20 CEILING. COORDINATE EXACT LOCATION WITH ARCHITECT. AMPERE, 120 VOLT, 2 POLE, 3 WIRE GROUNDING TYPE, NEMA 5-20R. TRAY FITTING TYPE AS FOLLOWS (IF APPLICABLE) #=DEGREE OF PROVIDE HUBBELL CAT. NO. USB20X2W OR APPROVED EQUIVALENT. BEND, VI=VERTICAL INSIDE BEND, VO=VERTICAL OUTSIDE BEND, INTERCOM MASTER STATION (FURNISHED BY SECURITY VENDOR) MOUNT 18" A.F.F. U.O.N. R=REDUCER, H=HORIZONTAL, T=TEE SHAPED, Y=WYE SHAPED, X=CROSS SHAPED, VTU-VERTICAL TEE UP, VTD=VERTICAL TEE KEYPAD STATION (FURNISHED BY SECURITY VENDOR) - PROVIDE DUPLEX RECEPTACLE OUTLET IN DUAL-GANG FLUSH-MOUNTED DEVICE DOWN, CH=CHANNEL, DO=DROP OUT BACKBOX AND 1" EMT CONDUIT TO 6" ABOVE CEILING. PROVIDE EMT BOX WITH SINGLE-GANG TILE RING AND STAINLESS STEEL DEVICE TRAY INSIDE RADIUS (IF APPLICABLE) BOX CONNECTOR WITH PLASTIC BUSHING ON CONDUIT END ABOVE COVER PLATE. TAMPER-RESISTANT, COMMERCIAL SPECIFICATION GRADE, STRAIGHT BLADE, 20 AMPERE, 120 VOLT, 2 POLE, 3 WIRE CEILING. COORDINATE EXACT LOCATION WITH ARCHITECT. TRAY WIDTH GROUNDING TYPE, NEMA 5-20R. PROVIDE HUBBELL CAT. NO. ES | ELECTRIC DOOR STRIKE (FURNISHED BY SECURITY VENDOR) DR20WHIWRTR OR APPROVED EQUIVALENT. MOUNT 18" A.F.F. U.O.N. TRAY NUMBER (IF APPLICABLE) TV=MOUNTED 72" AFF, U.O.N. ELECTRIC DOOR VERITCAL LOCK (FURNISHED BY SECURITY VENDOR) (NOT ALL SYMBOLS AND ABBREVIATIONS ARE USED ON THIS PROJECT)

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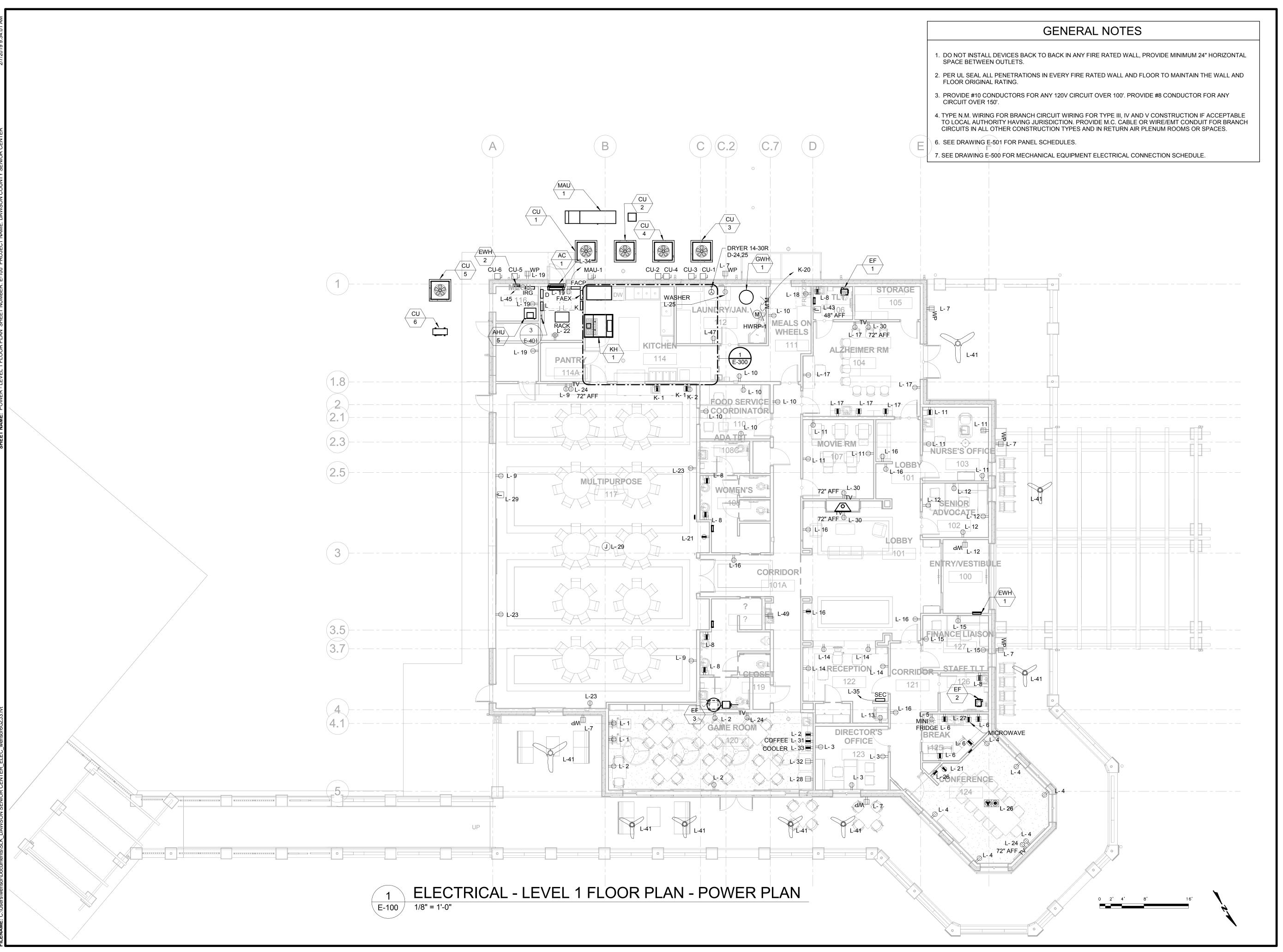
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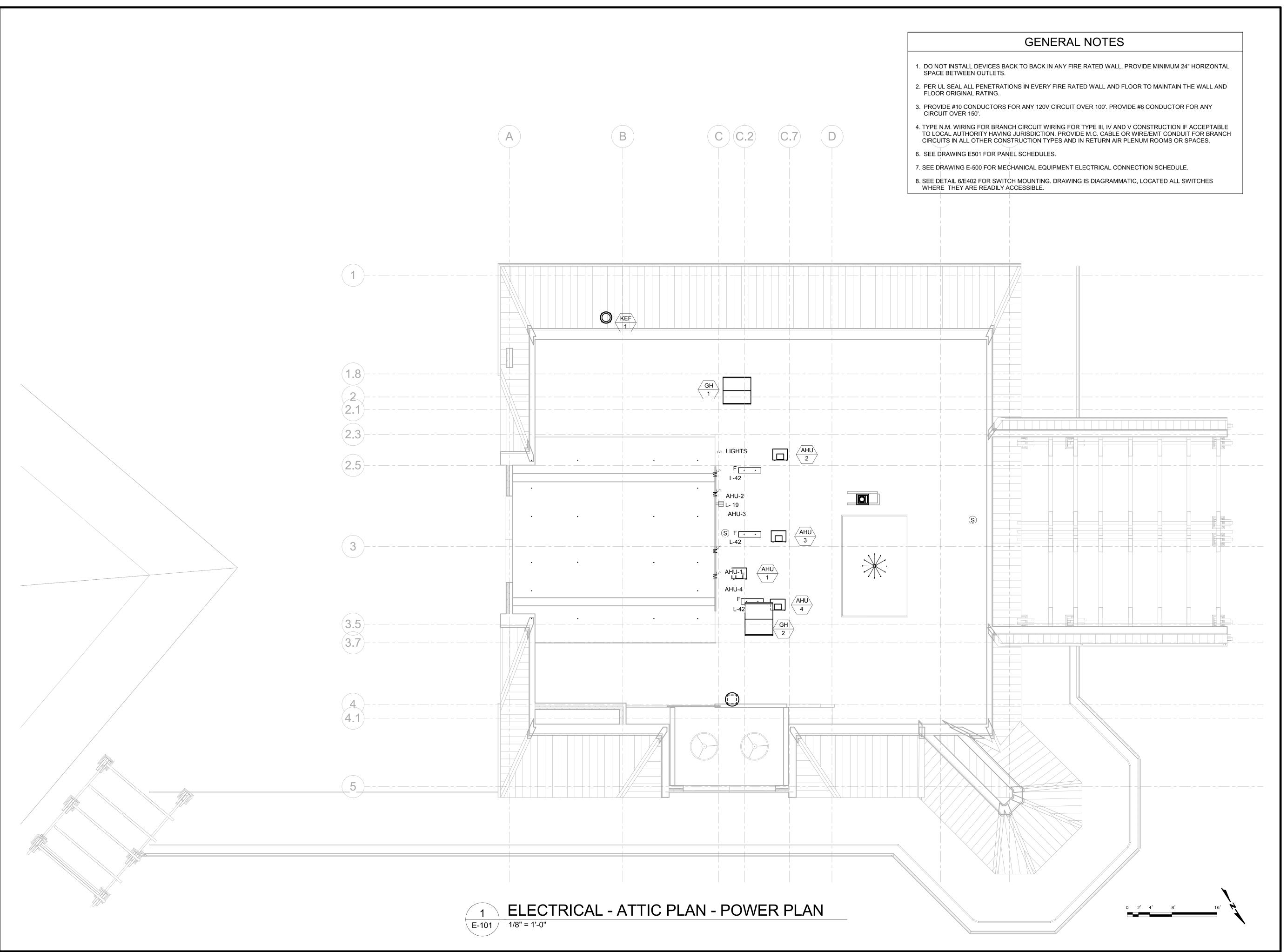
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PROJECT NUMBER

T TITLE

POWER - LEVEL 1 FLOOR PLAN

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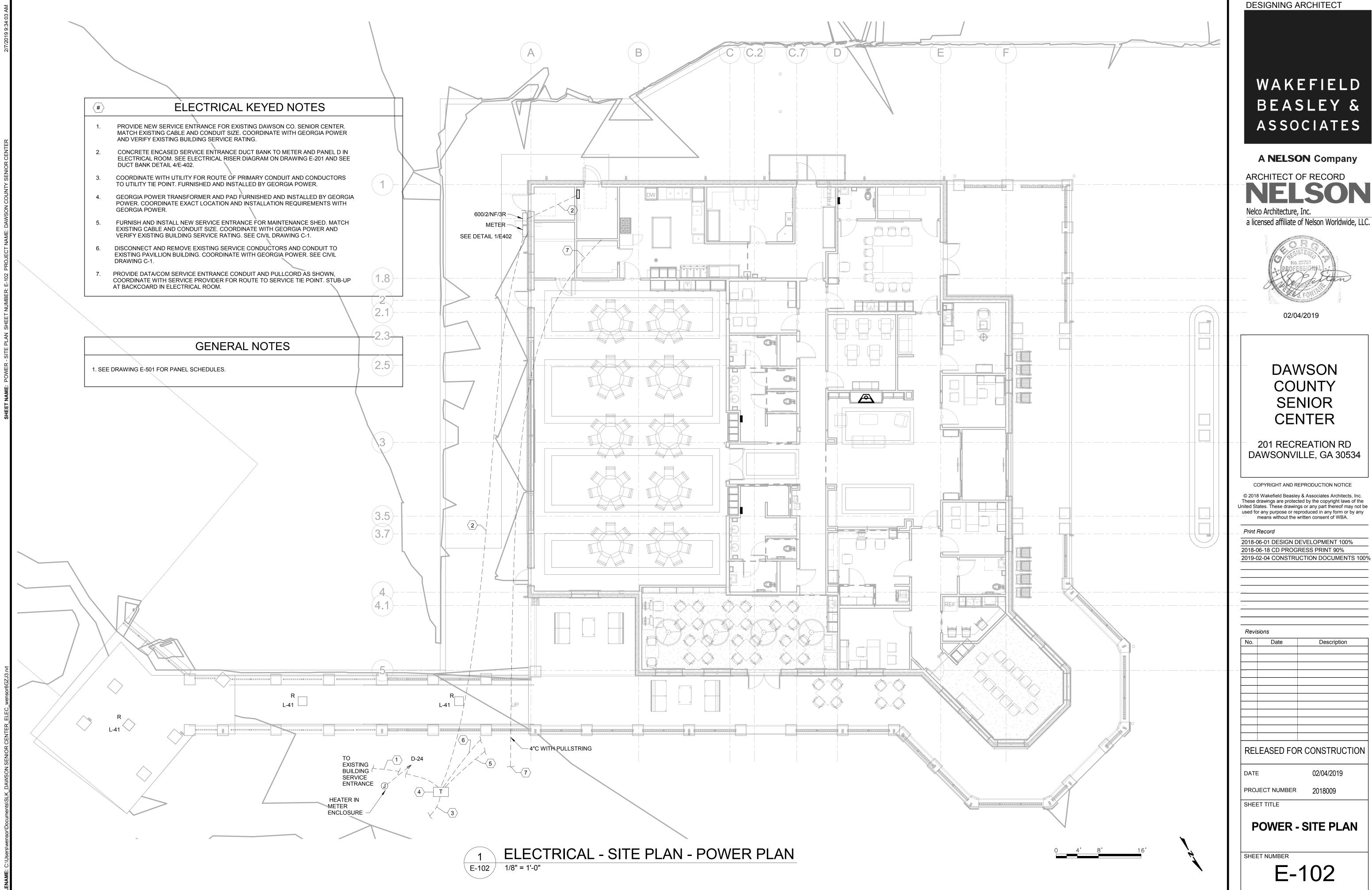
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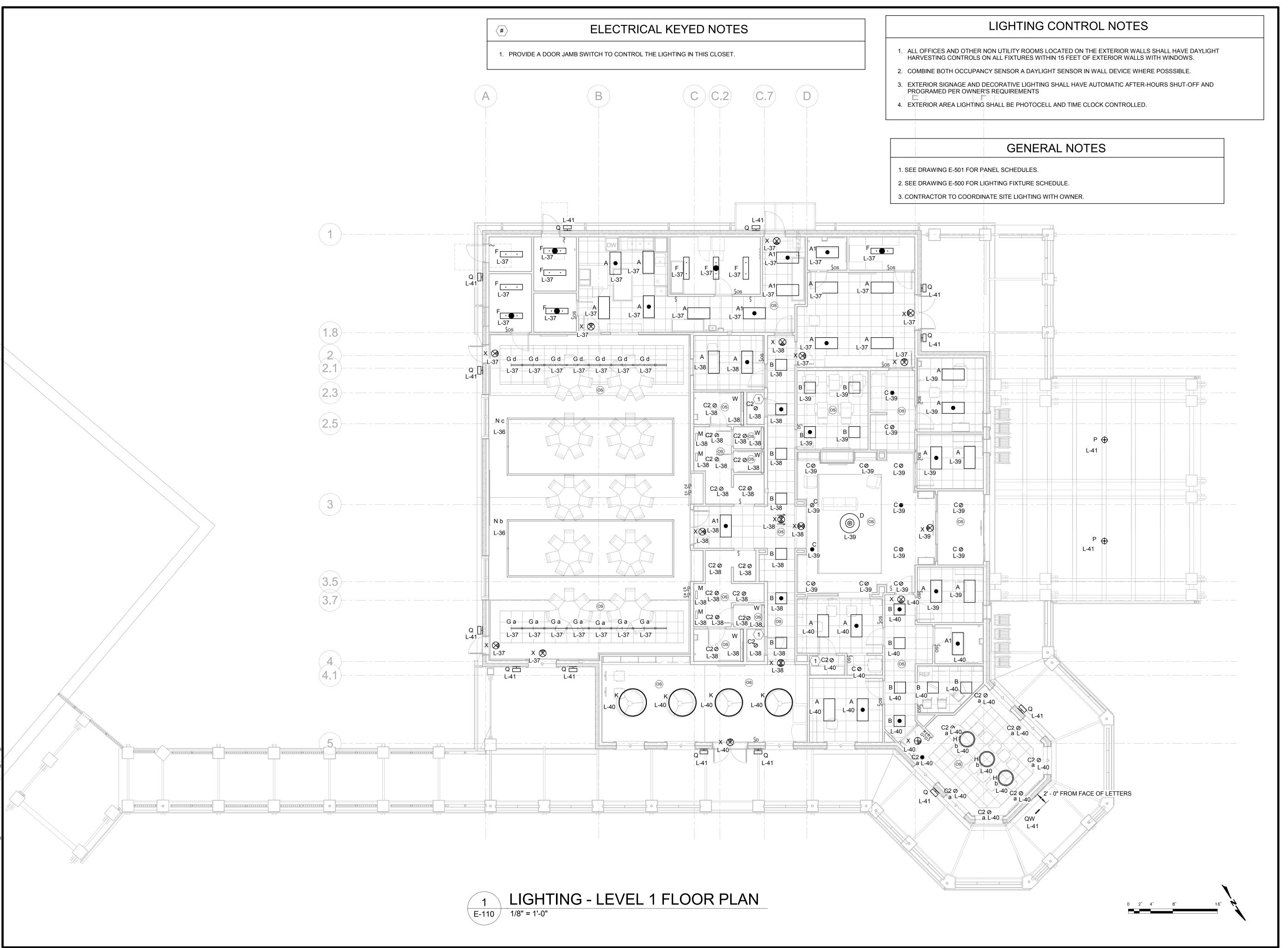
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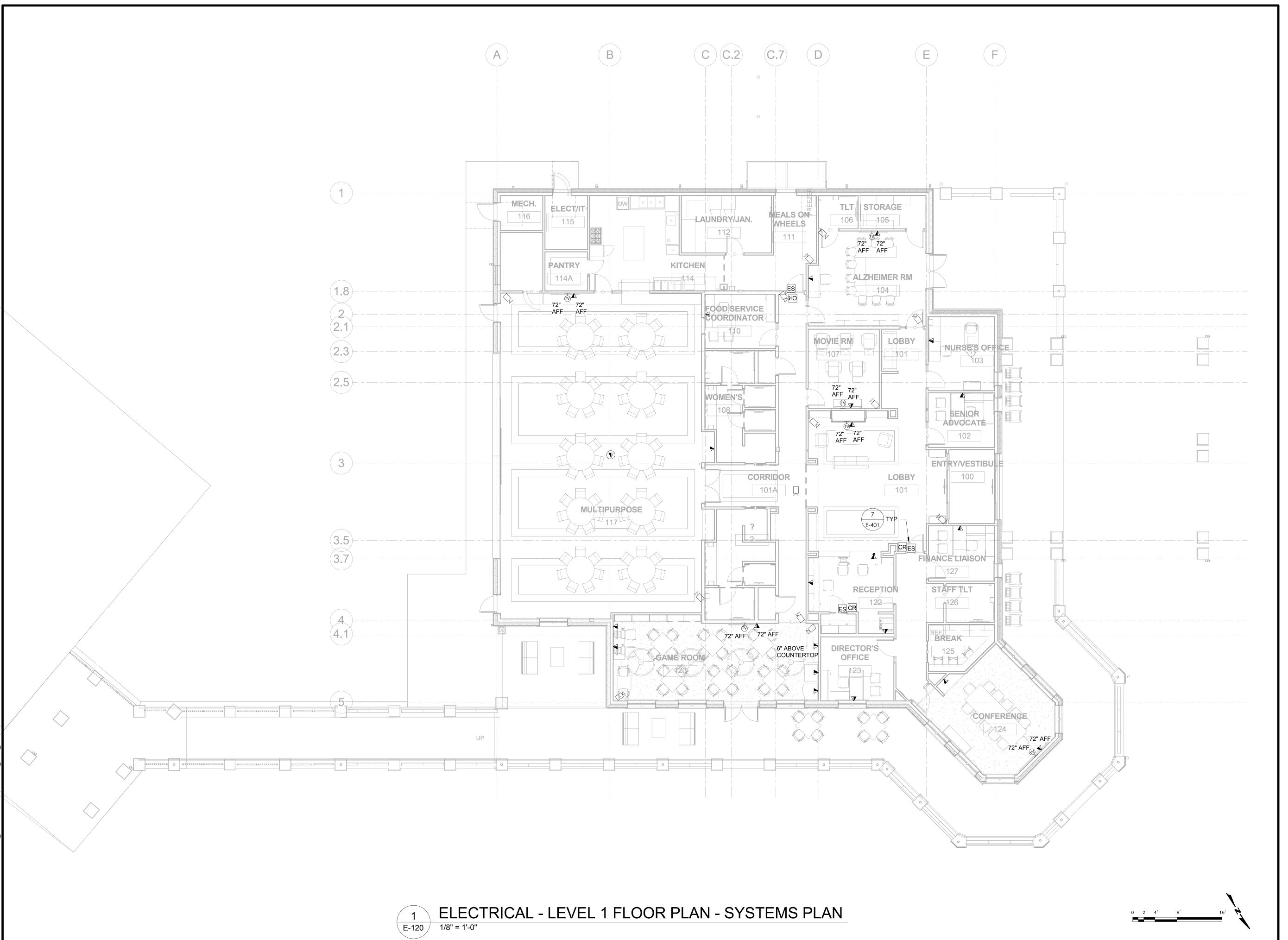
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NUMBER 2018009

SHEET TITLE

LIGHTING - LEVEL 1 FLOOR PLAN

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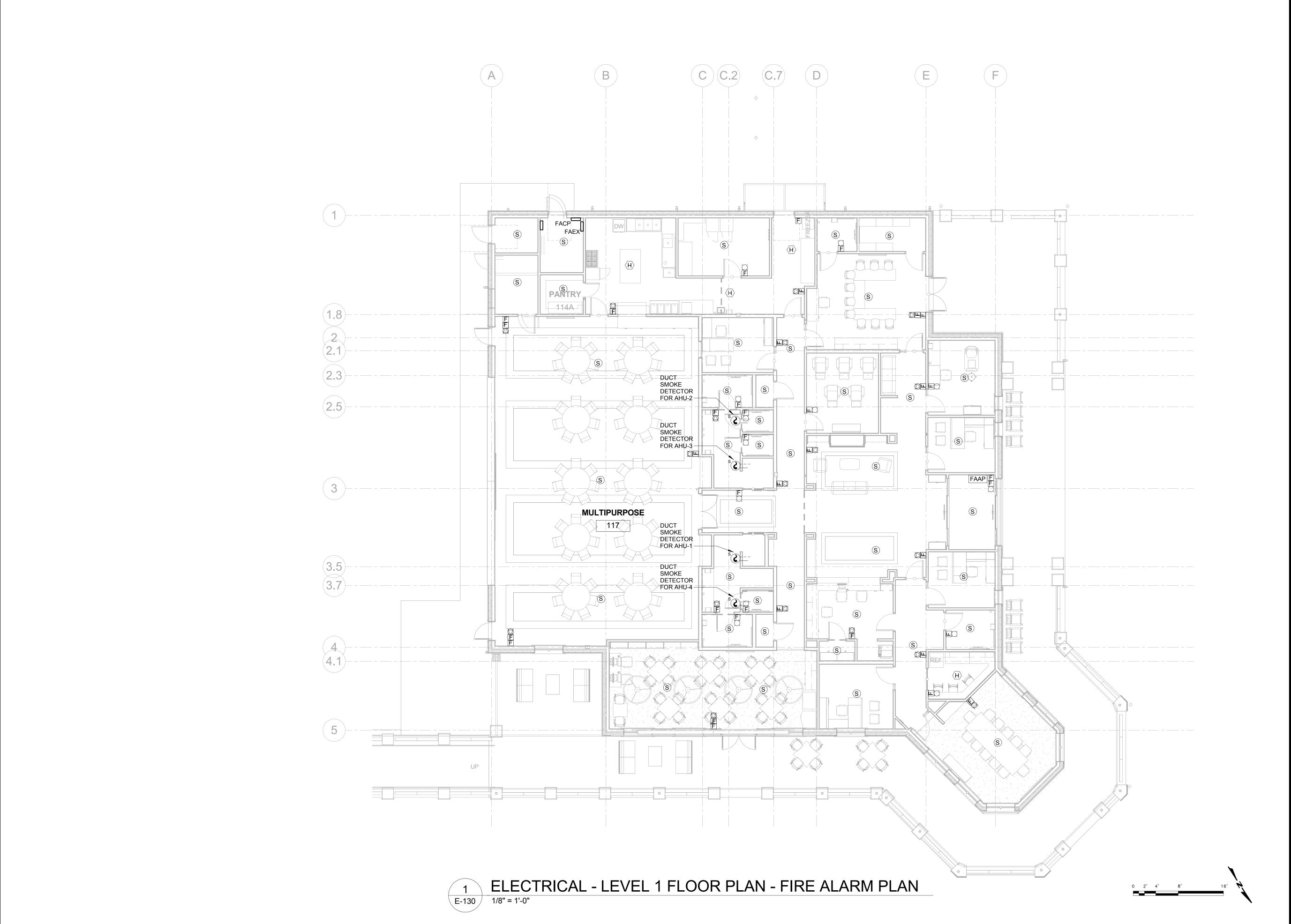
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SYSTEMS - LEVEL 1 FLOOR PLAN

SHEET NI IMBER



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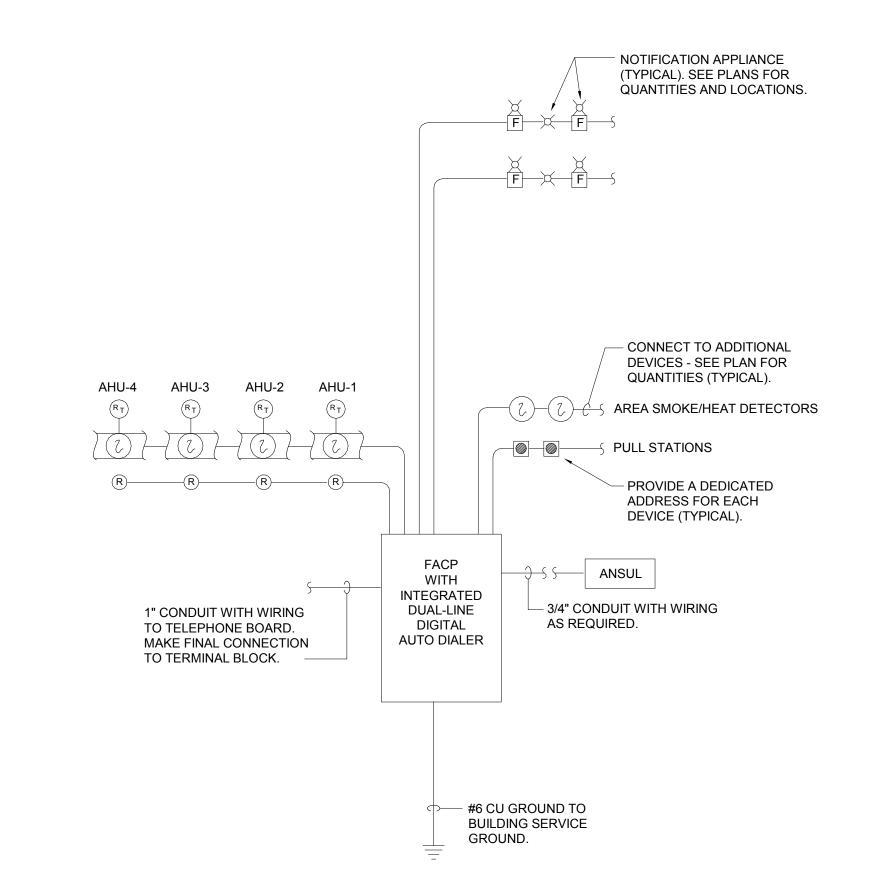
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SHEET TITLE

FIRE ALARM - LEVEL 1 FLOOR PLAN

SHEET NUMBER

# 1 ELECTRICAL RISER DIAGRAM F-201 NOT TO SCALE



## FIRE ALARM GENERAL NOTES:

- SEE PLANS FOR DEVICE QUANTITIES AND LOCATIONS.
- 2. PROVIDE ONE SPARE SIGNAL CIRCUITS MINIMUM. PROVIDE REQUIRED BATTERY
- 3. CONTRACTOR SHALL VERIFY ALL DEVICE LOCATIONS AND FUNCTIONS WITH FIRE MARSHAL PRIOR TO ROUGH IN.
- 4. PROVIDE ISOLATOR MODULES AS DESCRIBED IN THE SPECIFICATIONS FOR DUCT SMOKE DETECTORS.

2 FIRE ALARM RISER DIAGRAM
E-201 NOT TO SCALE

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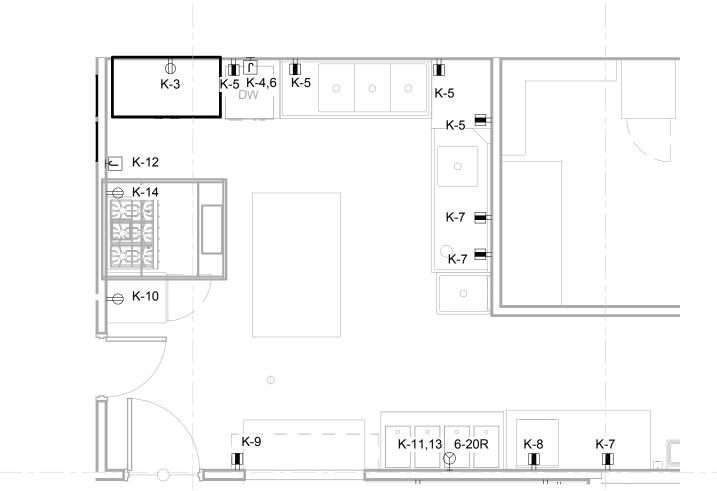
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ELECTRICAL - RISER DIAGRAM

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## **GENERAL NOTES**

- DO NOT INSTALL DEVICES BACK TO BACK IN ANY FIRE RATED WALL, PROVIDE MINIMUM 24" HORIZONTAL SPACE BETWEEN OUTLETS.
- 2. PER UL SEAL ALL PENETRATIONS IN EVERY FIRE RATED WALL AND FLOOR TO MAINTAIN THE WALL AND FLOOR ORIGINAL RATING.
- 3. PROVIDE #10 CONDUCTORS FOR ANY 120V CIRCUIT OVER 100'. PROVIDE #8 CONDUCTOR FOR ANY CIRCUIT OVER 150'.
- 4. TYPE N.M. WIRING FOR BRANCH CIRCUIT WIRING FOR TYPE III, IV AND V CONSTRUCTION IF ACCEPTABLE TO LOCAL AUTHORITY HAVING JURISDICTION. PROVIDE M.C. CABLE OR WIRE/EMT CONDUIT FOR BRANCH CIRCUITS IN ALL OTHER CONSTRUCTION TYPES AND IN RETURN AIR PLENUM ROOMS OR SPACES.
- 6. SEE DRAWING E501 FOR PANEL SCHEDULES.
- 7. SEE DRAWING E-500 FOR MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE.



1 ELEC 1/4" = 1'-0"

ELECTRICAL - ENLARGED KITCHEN PLAN

0 2' 4' 8' 16'

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SHEET TITLE ELECTRICAL -

ENLARGED AND PART PLANS

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FIRE PROTECTION PUTTY INSTALLATION

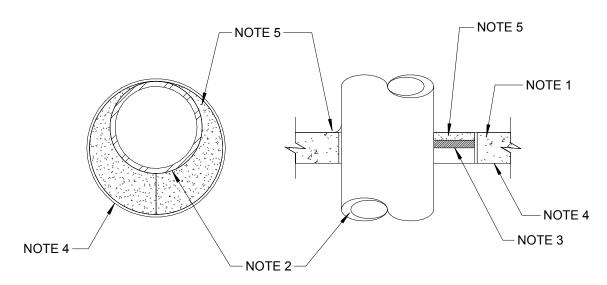
### NOTES

FIRESTOP SYSTEMS

- 1. LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONC. FLOOR OR WALL.
- 2. HEAVY WALL RIGID CONDUIT. MAX. ANNULAR SPACE BETWEEN CONDUIT AND EDDE OF THROUGH OPENING NOT TO EXCEED 2". MIN. ANNULAR SPACE BETWEEN CONDUIT AND EDGE OF THROUGH OPENING ZERO IN. (POINT CONTACT). CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL.
- 3. POLYETHYLENE BACKED ROD OR NOM. 1" THICKNESS OF TIGHTLY-PACKED MINERAL WOOL BATT OR GLASS FIBER INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OR FLOOR OF FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (NOTE 5).
- 4. SCHEDULE 40 RIGID STEEL PIPE SLEEVE.
- 5. 3MI TYPEE CP-25 WB, CP-25 WB+ CAULK APPLIED TO FILL THE ANNULAR SPACE FLUSH WITH TOP SURFACE OF FLOOR. FOR WALL, REQUIRED CAULH THICKNESS TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL, FLUSH WITH WALL SURFACE. MIN. REQUIRED CAULK THICKNESS AS SHWON IN FOLLOWING TABLE:

	MIN. FLOOR OR WALL THICKNESS	NOM. PIPE, TUBE OR CONDUIT DIA.	MAX. ANNULAR SPACE	MIN. CAULK THICKNESS	F RATING, HOURS
Ī	2 1/2 "	1/2"-12"	1 3/8 "	1/2"	2
	2 1/2 "	1/2"-6"	2 3/8 "	1"	2
	4 1/2 "	1/2"-6"	1 3/8 "	1/4" (A)	2
	4 1/2 "	1/2"-12"	1 1/4 "	1/2"	3
	4 1/2 "	1/2"-20"	2 "	1"	3
	4 1/2 "	22"-30"	2 "	2"	3
	5 1/2 "	1/2"-6"	1 3/8 "	1" (B)	4

(A) MIN. 2" THICKNESS OF MINERAL-WOOL BATT INSUL. REQ'D IN ANNULAR SPACE.
(B) MIN. 1" THICKNESS OF MINERAL-WOOL BATT INSUL. REQ'D IN ANNULAR SPACE ON BOTH SIDES OF FLOOR OR WALL. MIN. 1" THICKNESS OF CAULK TO BE INSTALLED FLUSH WITH EACH CURFACE OF FLOOR OR WALL



UL SYSTEM NO. CAJ1044 OR EQUAL CONDUIT PENETRATION THROUGH CONCRETE FLOOR OR FIRE-RATED WALL

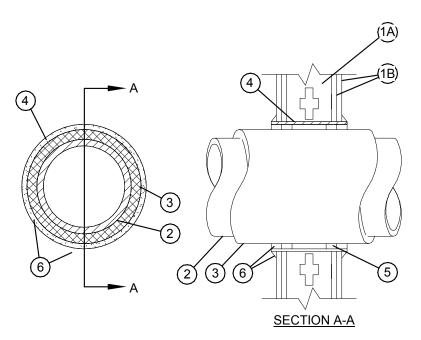
DETAILS SHOWN ON THESE DRAWINGS FOR FIRE-STOPPING OF PENETRATIONS THROUGH RATED WALLS AND FLOORS ARE INTENDED TO REPRESENT GENERAL TYPES OF MATERIALS AND METHODS TO BE EMPLOYED. SPECIFIC REQUIREMENTS VARY ACCORDING TO MANUFACTURER AND ACCORDING TO THE WALL CONSTRUCTION, TYPE AND NUMBER OF CONDUITS, ETC. CONTRACTOR SHALL SUBMIT FOR APPROVAL COMPLETE DATA FOR ALL MATERIALS AND SYSTEMS TO BE USED, ALONG WITH UL-LISTED INSTALLATION DETAIL FOR EACH APPLICATION ENCOUNTERED. ALL INSTALLATION SHALL ADHERE STRICTLY TO AN APPROVED UL-DESIGN DETAIL.

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**CONCRETE WALL PENETRATION DETAIL** 

System No. W-L-5011 September 07, 2004 (Formerly System No. 568) F Ratings - 1 and 2 Hr (See Item 1) T Ratings - 1/2 and 1 Hr (See Item 2) L Rating At Ambient - 2 CFM/Sq Ft L Rating At 400 F - Iess than 1 CFM/Sq Ft



- 1. WALL ASSEMBLY THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE ATERIALS AND IN THE MANNER
- DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE
- FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 DEEP CHANNELS SPACED MAX 24 IN. OC.
- B. GYPSUM BOARD\* NOM 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS AND 17 IN. FOR STEEL STUD WALLS.
- THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS 1 HR WHEN INSTALLED IN A 1 HR FIRE RATED WALL AND 2 HR WHEN INSTALLED IN A 2 HR FIRE RATED WALL.
- 2. THROUGH PENETRANTS ONE METALLIC PIPE OR TUBING TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:
- A. STEEL PIPE NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE. WHEN STEEL PIPE IS USED, T RATING IS 1 HR.
- 3. PIPE COVERING\* NOM 1 OR 1-1/2 IN. THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 PCF) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SEALED WITH METAL FASTENER STRIP TAPE SUPPLIED WITH THE PRODUCT. SEE PIPE AND EQUIPMENT COVERINGS MATERIALS (BRGU) CATEGORY IN BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.
- 4. STEEL SLEEVE CYLINDRICAL SLEEVE FABRICATED FROM MIN 0.019 IN. THICK (NO. 28 GAUGE) GALV SHEET STEEL AND HAVING A MIN 2 IN. LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL PLUS 1 IN. SUCH THAT, WHEN INSTALLED, THE ENDS OF THE SLEEVE WILL PROJECT APPROX 1/2 IN. BEYOND THE SURFACE OF THE WALL ON BOTH SIDES OF THE WALL ASSEMBLY. THE DIAM OF THE OPENINGS CUT IN THE GYPSUM WALLBOARD LAYERS ON EACH SIDE OF THE WALL ASSEMBLY (CONCENTRIC WITH PIPE) TO BE 2 TO 2-1/2 IN. LARGER THAN OUTSIDE DIAM OF PIPE INSULATION SUCH THAT, WHEN THE STEEL SLEEVE IS INSTALLED, A 1 TO 1-1/4 IN. ANNULAR SPACE WILL BE PRESENT BETWEEN THE STEEL SLEEVE AND THE PIPE INSULATION AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAMETER SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENINGS AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM WALLBOARD LAYERS.



NO SCALE

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GYPSUN WALL PENETRATION DETAIL

WAKEFIELD BEASLEY &

**DESIGNING ARCHITECT** 

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Print	Record

2018-06-01 DESIGN DEVELOPMENT 100% 2018-06-18 CD PROGRESS PRINT 90% 2019-02-04 CONSTRUCTION DOCUMENTS 100%

Revis	Revisions			
No.	Date	Description		

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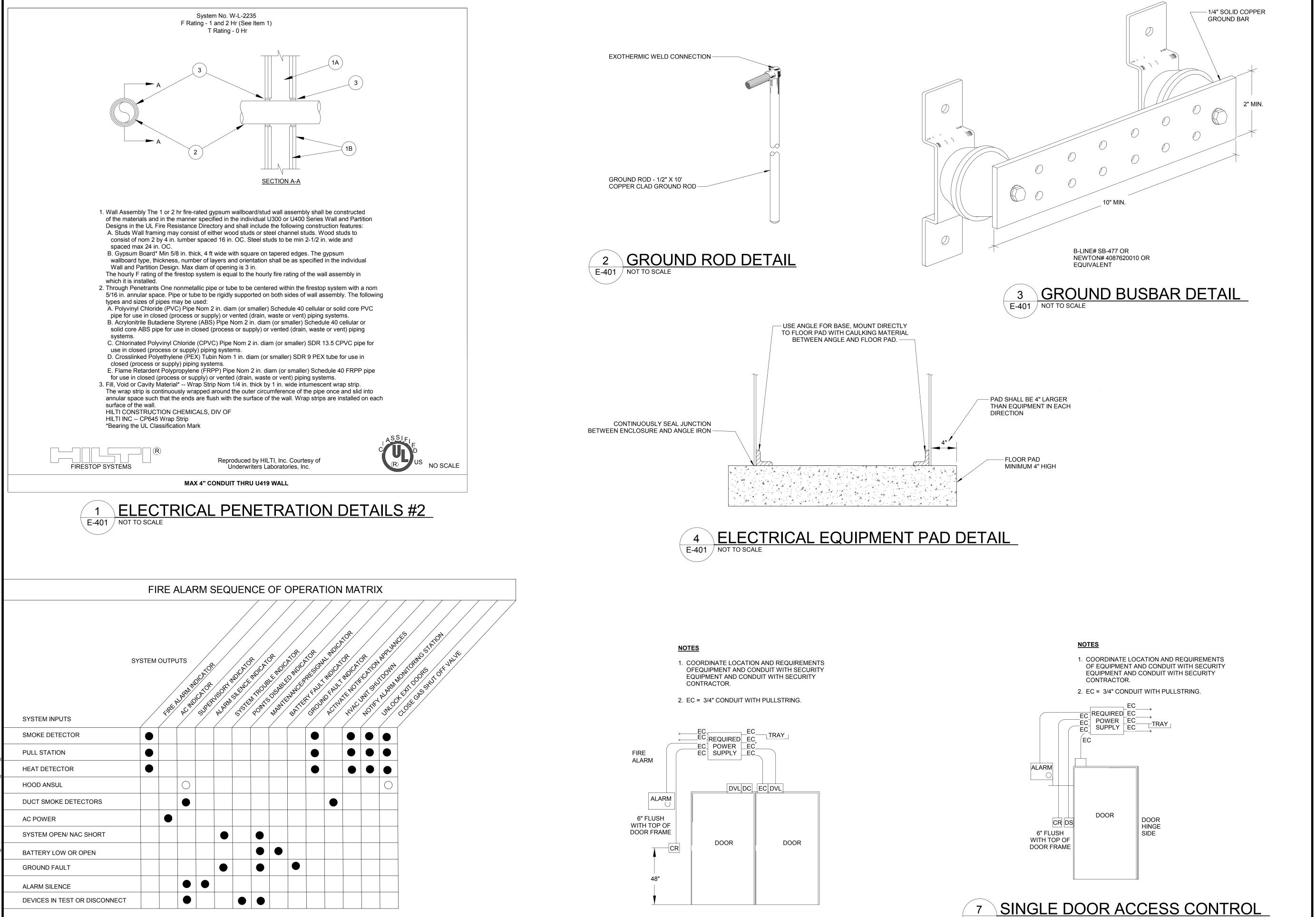
DATE 02/04/2019

PROJECT NUMBER 2018

SHEET TITLE

ELECTRICAL - DETAILS

SHEET NUMBER



DOUBLE DOOR ACCESS CONTROL

E-401 / NOT TO SCALE

FIRE ALARM SEQUENCE

E-401

DESIGNING ARCHITECT

WAKEFIELD BEASLEY & ASSOCIATES

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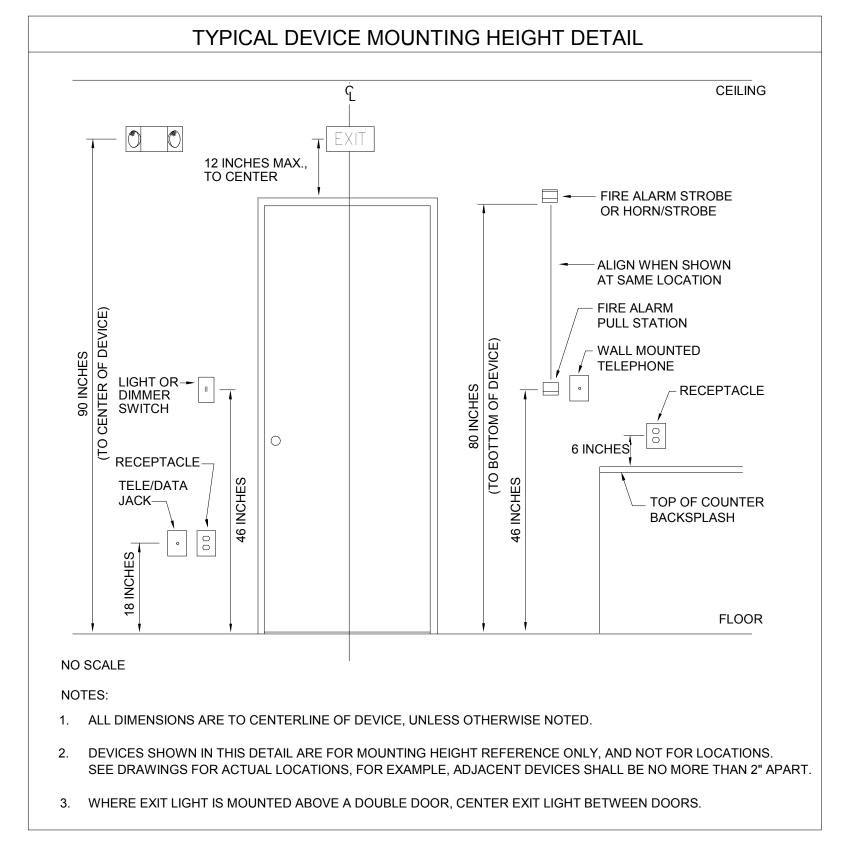
PROJECT NUMBER 2018009

SHEET TITLE

ELECTRICAL - DETAILS

SHEET NUMBER

E-401 NOT TO SCALE



GALVANIZED STEEL CHANNEL

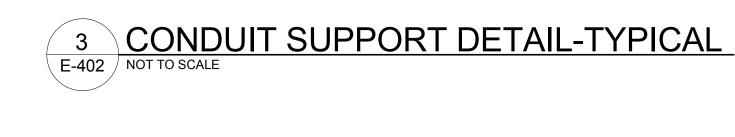
1/2" HEX NUT

- MINIMUM 1/2" THREADED ROD SIZED PER MANUFACTURER'S REQUIREMENTS

B202 SQUARE WASHER

- 1/2" HEX NUT

2 DEVICE MOUNTING DETAIL-TYPICAL
E-402 NOT TO SCALE

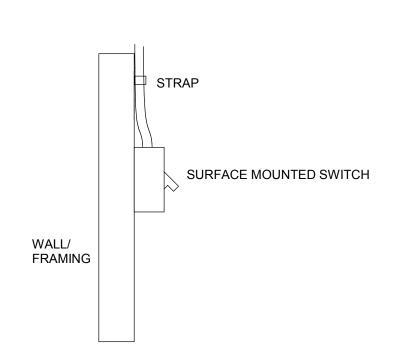


**GALVANIZED PIPE** 

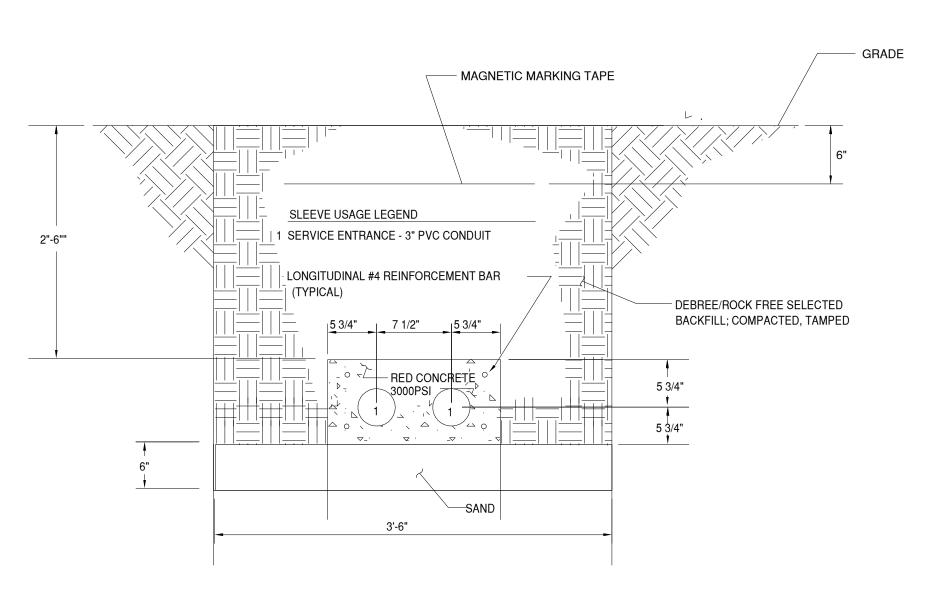
CLAMPS -

- CONDUIT

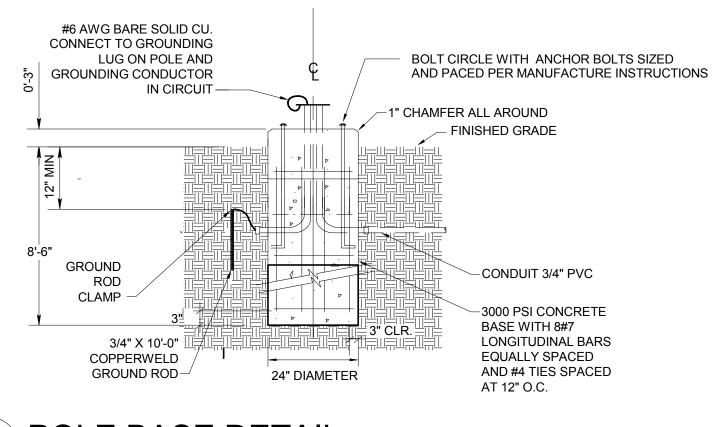
1 GEORGIA POWER BLUE BOOK DETAIL
E-402 NOT TO SCALE



6 ATTIC SWITCH DETAIL
E-402 NOT TO SCALE







5 POLE BASE DETAIL

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SHEET TITLE

ELECTRICAL -DETAILS

HEET NI IMBER

### LIGHTING FIXTURE SCHEDULE

			LIGHTING FIXTURE SCHEDULE					
ТҮРЕ	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP	VOLTAGE	FIXTURE WATTAGE	MOUNTING	REMARKS
Α	2X4 LED VOLUMETRIC LAY-IN TROFFER	LITHONIA LIGHTING	2VTL4 60L ADP LP840	LED	120V	44.2	RECESSED	
A1	2X4 LED VOLUMETRIC LAY-IN TROFFER	LITHONIA LIGHTING	2VTL4 48L ADP LP840	LED	120V	39.1	RECESSED	
В	2X2 LED VOLUMETRIC LAY-IN TROFFER	LITHONIA LIGHTING	2VTL2 33L ADP LP840	LED	120V	29.5	RECESSED	
С	6" APERTURE RECESSED LED DOWNLIGHT	GOTHAM	EVO 35/40 6AR WD LSS MVOLT	LED	120V	48.1	RECESSED	
C2	6" APERTURE RECESSED LED DOWNLIGHT	GOTHAM	EVO 27/40 6AR WD LSS MVOLT	LED	120V	48.1	RECESSED	
D	CHANDLIER	TROY LIGHTING	F6198	SEE REMARKS	120V	56	PENDANT	PROVIDE OPTION BLB-7W-8.5-12
F	LED STRIP FIXTURE	LITHONIA LIGHTING	ZL1N L48 5000LM SBL FST MVOLT 40K 80CRI	LED	120V	34	PENDANT 8' AFF	
G	LINEAR RECCESSED LED	NEO-RAY	S122-RDRP-2-40-FTG-0048-1-1-HCD-1	LED	120V	42.6	RECESSED	
Н	DECORATIVE LED PENDANT FIXTURE	SHAPER	143-30-P1S-L5840-UNV	LED	120V	40	FACTORY PENDANT	COORDINATE WITH ARCHITECTURAL
К	DECORATIVE LED RING PENDANT	ALW	MR1.5 D5 CS LED/4000K 0/10V/S LENS LED/4000K 0/10V/S HT XX UNV	LED	120V	97	PENDANT 9'-0" AFF	COORDINATE WITH ARCHITECTURAL
М	MIRROR LIGHT	TECH LIGHTING	700BCSIB R C LED930	LED	120V	40	WALL 5'-0" AFF	COORDINATE WITH ARCHITECTURAL
N	LED PENDANT FIXTURE	Amerlux	LIN1.5DI-A16-PL/BAT B-1-5/5-40-XX-120/277-XX-PC-010V	LED	120V	10	PENDANT 11'-0" AFF	WATTS PER FOOT
Р	DECORATIVE LED EXTERIOR FIXTURE	REBELLE	2756P 32L 40 120 PF RF INT	LED	120V	38	PENDANT 12'-0" AFF	
R	CANOPY	GARCO	SFC 5R 48L 250 NW G2 UNV MGY	LED	120V	38	CANOPY SURFACE	
Т	NOT USED							
Q	EXTERIOR WALL SCONCES	VISA LIGHTING	OW1311-L40K-L-MVOLT	LED	120V	15	WALL 6'-0" AFF	
QW	EXTERIOR WALL GRAZER	PHILIPS COLOR KINETICS	523-000082-04	LED	120	15	CANOPY SURFACE	AIM AT CENTER OF LETERING
w	WALL WASH	FOCAL POINT	FWSL-FL-250LF-40K-1C-UNV-LD1-U	LED	120V	15	RECESSED	
х	EXIT SIGN	PHILLIPS CHLORIDE	ER44RLDU1WRM	LED	120V	3	UNIVERSAL	

					MO	TOR		FROM		DISCONNECTS	WITCH	BRE	AKER	STAI	RTER	
TAG	EQUIPMENT DESCRIPTION	LOCATION	V / Ø	НР	KW	FLA or MCA	вү	PANEL	CONDUIT/ CONDUCTORS	A/POLES/ FUSE/ENCL.	BY	AMPS/ POLES	BY	TYPE SIZE	вү	COMMENTS
CU-1	COMPRESSOR	ON GRADE - BEHIND BUILDING	240 / 1			31	M.C.	D	2#8 & 1#10 GND IN 3/4"C	60/2/NF/3R	E.C.	50/2	E.C.	F.W.E	F.W.E	
CU-2	COMPRESSOR	ON GRADE - BEHIND BUILDING	240 / 1			31	M.C.	D	2#8 & 1#10 GND IN 3/4"C	60/2/NF/3R	E.C.	50/2	E.C.	F.W.E	F.W.E	
CU-3	COMPRESSOR	ON GRADE - BEHIND BUILDING	240 / 1			31	M.C.	D	2#8 & 1#10 GND IN 3/4"C	60/2/NF/3R	E.C.	50/2	E.C.	F.W.E	F.W.E	
CU-4	COMPRESSOR	ON GRADE - BEHIND BUILDING	240 / 1			31	M.C.	D	2#8 & 1#10 GND IN 3/4"C	60/2/NF/3R	E.C.	50/2	E.C.	F.W.E	F.W.E	
CU-5	COMPRESSOR	ON GRADE - BEHIND BUILDING	240 / 1			18	M.C.	D	2#10 & 1#10 GND IN 3/4"C	30/2/NF/3R	E.C.	30/2	E.C.	F.W.E	F.W.E	
CU-6	COMPRESSOR	ON GRADE - BEHIND BUILDING	240 / 1			10	M.C.	D	2#12 & 1#12 GND IN 3/4"C	30/2/NF/3R	E.C.	15/2	E.C.	F.W.E	F.W.E	
AC-1	AIR CONDITION	ELECTRICAL RM					M.C.		3#12 & 1#12 GND IN 3/4"C	F.W.E.	F.W.E	NA	NA	F.W.E	F.W.E	POWERED BY CU-6
METER	HEATER FOR WATER METER	METER	120 / 1		1440		M.C.	D	2#10 & 1#10 GND IN 3/4"C	F.W.E.	F.W.E	20/2	E.C.	F.W.E	F.W.E	
MAU-1	MAKE UP AIR UNIT	ON GRADE - BEHIND BUILDING	120 / 1	1		20.8	M.C.	K	2#10 & 1#10 GND IN 3/4"C	F.W.E.	F.W.E	35/1	E.C.	F.W.E	F.W.E	
AHU-1	AIR HANDLER UNIT	ATTIC	120 / 1	1+		13.9	M.C.	D	2#12 & 1#12 GND IN 3/4"C	MRS	E.C	15/1	E.C.	F.W.E	F.W.E	
AHU-2	AIR HANDLER UNIT	ATTIC	120 / 1	1+		13.9	M.C.	D	2#12 & 1#12 GND IN 3/4"C	MRS	E.C	15/1	E.C.	F.W.E	F.W.E	
AHU-3	AIR HANDLER UNIT	ATTIC	120 / 1	1+		13.9	M.C.	D	2#12 & 1#12 GND IN 3/4"C	MRS	E.C	15/1	E.C.	F.W.E	F.W.E	
AHU-4	AIR HANDLER UNIT	ATTIC	120 / 1	1+		13.9	M.C.	D	2#12 & 1#12 GND IN 3/4"C	MRS	E.C	15/1	E.C.	F.W.E	F.W.E	
AHU-5	AIR HANDLER UNIT	MECHANICAL RM 116	120 / 1	1+		13.9	M.C.	D	2#12 & 1#12 GND IN 3/4"C	MRS	E.C	15/1	E.C.	F.W.E	F.W.E	
EWH-1	ELECTRIC WALL HEATER	ENTRY VESTIBULE	240 / 1		3	12.5	M.C.	D	2#12 & 1#12 GND IN 3/4"C	F.W.E.	F.W.E	20/2	E.C.	F.W.E	F.W.E	
EWH-2	ELECTRIC WALL HEATER	MECHANICAL ROOM	240 / 1		3	12.5	M.C.	D	2#12 & 1#12 GND IN 3/4"C	F.W.E.	F.W.E	20/2	E.C.	F.W.E	F.W.E	
EF-1	EXHAUST FAN	REST RM 106	120 / 1		0.027	0.23	M.C.	L	2#12 & 1#12 GND IN 3/4"C	WITH LIGHTS	E.C	-		NA	NA	SWITCHED WITH LIGH
EF-2	EXHAUST FAN	REST RM 126	120 / 1		0.027	0.23	M.C.	L	2#12 & 1#12 GND IN 3/4"C	WITH LIGHTS	E.C	-		NA	NA	SWITCHED WITH LIGHT
EF-3	EXHAUST FAN	REST RM 118	120 / 1	1/10			M.C.	L	2#12 & 1#12 GND IN 3/4"C	MRS	F.W.E	: <b>=</b>	-	NA	NA	
KH-1	KITCHEN HOOD	KITCHEN RM 114	120 / 1				M.C.	K	2#12 & 1#12 GND IN 3/4"C	F.W.E.	F.W.E	20/1	E.C.	F.W.E	F.W.E	
KEF-1	KITCHEN EXHAUST FAN	ATTIC	120 / 1	3/4		13.8	M.C.	K	2#12 & 1#12 GND IN 3/4"C	F.W.E.	F.W.E	30/1	E.C.	F.W.E	F.W.E	
HWRP-1	GAS WATER HEATER	RM 112	120 / 1	1/8		3.2	N/A	K	2#12 & 1#12 GND IN 3/4"C	MRS	E.C	15/1	E.C.	F.W.E	F.W.E	
GWH-1	GAS WATER HEATER	LAUNDRY RM 112	120 / 1				N/A	K	2#12 & 1#12 GND IN 3/4"C	MRS	E.C	15/1	E.C.	F.W.E	F.W.E	

ABBREVIATIONS:

B.O. - BY OTHERS
BY - PROVIDED BY
CMPT - COMPARTMENT

E.C. - ELECTRICAL CONTRACTOR

EXIST. - EXISTING M.C. - MECHANICAL CONTRACTOR

FVNR - FULL VOLTAGE NON-REVERSING COMBINATION STARTI NA - NOT AVAILABLE

FVR - FULL VOLTAGE REVERSING COMBINATION STARTER MFR - MANUFACTURER

FWE - FURNISHED WITH EQUIPMENT

MFR - MANUFACTURER
MRS - MOTOR RATED SWITCH

SSMC - SOFT START MOTC NOTES: EA. - FOR EACH VFD - VARIABLE FREQUENCY DRIVE

Y-D - WYE DELTA STARTER

2S2W - 2 SPEED 2 WINDING COMBINATION STARTER

NOTES:

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PROJECT NUMBER 201800

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WAKEFIELD

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Description

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Revisions

ARCHITECT OF RECORD

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SHEET TITLE

ELECTRICAL - SCHEDULES

SHEET NUMBER

LOCATION: ELECTRICAL ROOM SERVICE: 240/120V, 1ø, 3 WIRE, 60HZ **PANEL K** MOUNTING: SURFACE AIC (MIN.): 22KAIC **ENCLOSURE: NEMA 1 MAINS: 125 MLO** PANELBOARD FEEDER: SEE SINGLE LINE DIAGRAM **NEUTRAL: YES** FEED FROM: PANEL D WIRE / CABLE DESCRIPTION LOAD DESCRIPTION LOAD DESCRIPTION WIRE / CABLE DESCRIPTION 1 20 1 0.36 RECPT MULTI RM COUNTERTOP ICE MACHINE MULTI RM 2#12 1#12GND 1.38 2#12 1#12GND 3 20 1 0.84 REACH- IN REF 2#12 1#12GND 5.16 6 DISHWASHER 40 3#8 1#10GND 5 20 1 0.72 COUNTER RECPT KITCHEN 4.32 2#12 1#12GND 5.04 2#12 1#12GND 7 20 1 0.54 COUNTER RECPT KITCHEN 1.14 FILM SEALER 0.60 1 2#12 1#12GND 20 8 9 20 1 0.18 KITCHEN RECPT 2#12 1#12GND 2.18 HEAT CABINET 2.00 1 20 10 2#12 1#12GND 11 13 20 2 1.60 1.60 HOT FOOD TABLE 2.60 FS-1 1.00 1 20 12 2#12 1#12GND 2#12 1#12GND 1.78 RANGE 0.18 1 20 14 2#12 1#12GND 15 30 1 1.66 KEF-1 1.66 RANGE SHUNT FOR FS-1 MAU-1 2#12 1#12GND 17 20 1 0.00 SPARE 2.50 1 NOTE 2 2.50 35 18 0.70 GWH-1 / HWRP-1 0.50 1 20 20 NOTE 2 NOTE 2 19 | 20 | 1 | 0.20 | KH-1 21 | 20 | 1 | 0.00 | SPARE SPARE 
 0.00
 1
 20
 22

 0.00
 1
 20
 24
 0.00 23 20 1 0.00 SPARE 0.00 SPARE SPARE 25 20 1 0.00 SPARE 0.00 1 20 26 0.00 0.00 SPARE
00 SPARE
0.00 SPARE 
 27
 20
 1
 0.00
 SPARE

 29
 20
 1
 0.00
 SPARE
 0.00 1 20 28 0.00 1 20 30 0.00 31 20 1 0.00 SPARE 0.00 1 20 32 33 20 1 0.00 SPARE SPARE 0.00 1 20 34 0.00 35 20 1 0.00 SPARE 0.00 SPARE 0.00 1 20 36 37 20 1 0.00 SPARE SPARE 0.00 0.00 1 20 38 39 20 1 0.00 SPARE 0.00 SPARE 0.00 1 20 40 41 20 1 0.00 SPARE 0.00 1 20 42 0.00 SPARE Section Total (KVA): 24 LOAD TYPES: **LIGHTING:** 0.20 1 0.2 kVA AMPS \* INDICATES CLASS A, 5ma GFCI BREAKER (PERSONNEL PROTECTION). LARGEST MOTOR: 0.00 1.25 0.0 TOTAL CONNECTED LOAD: 24.1 100.6 \*\* INDICATES 30ma GFCI BREAKER (GFPE, EQUIPMENT PROTECTION). ADDITIONAL MOTORS: 4.15 1 4.2 TOTAL DEMAND LOAD: 17.8 74.0 ALL CIRCUIT BREAKERS FOR HVAC EQUIPMENT SHALL BE RATED HID. **RECEPTACLES:** 1.80 0.5 1.8 ALL CIRCUIT BREAKERS FOR LIGHTING SHALL BE RATED SWD. HVAC: 0.00 0.9 0.0 1. E.C. SHALL PROVIDE AN UPDATED PANEL SCHEDULE. 2. SEE MECHANICAL EQUIPMENT - ELECTRICAL CONNECTION SCHDEULE DRAWING E-500. ELECTRIC SPACE HEATING: 0.00 1 0.0

**KITCHEN:** 16.48 0.65 10.7

MISCELLANEOUS: 1.50 0.6 0.9

	LOCATION: ELECTRICAL ROOM  MOUNTING: SURFACE  ENCLOSURE: NEMA 1  PANELBOARD FEEDER: SEE SINGLE LINE DIAGRAM  FEED FROM: UTILITY					GRAM	PANEL D SERVICE ENTRANCE RATED				SERVICE: 240/120V, 1ø, 3 WIRE, 60HZ AIC (MIN.): 65KAIC MAINS: 600A MAIN BREAKER NEUTRAL: YES SUGRE PROTECTION DEVICE: YES, INTEGRAL					
4		T NO.	R SIZE	ILES	A		K	VA 		4	LES	R SIZE	T NO.			
	WIRE / CABLE DESCRIPTION	CKT	BKR	POLI	KVA	LOAD DESCRIPTION	Α	В	LOAD DESCRIPTION	KVA	POLI	BKR	CKT	WIRE / CABLE DESCRIPTION		
7 [	SEE SINGLE LINE	1	225	2	19.31 21.28	PANEL L	23.03	25.00	CU-1	3.72 3.72	2	50	2	NOTE 2		
+ [	SEE SINGLE LINE	5 7	125	2	12.88 11.26	PANEL K	16.60	14.98	CU-2	3.72 3.72	2	50	6 8	NOTE 2		
7 [	NOTE 2	9	15	1	1.67	AHU-1	5.39		CU-3	3.72	2	50	10	NOTE 2		
7 [	NOTE 2	11	15	1	1.67	AHU-2		5.39	CO-3	3.72	2	50	12	NOTE 2		
7 [	NOTE 2	13	15	1	1.67	AHU-3	5.39		011.4	3.72	•		14	NOTE 2		
7 [	NOTE 2	15	15	1	1.67	AHU-4		5.39	CU-4	3.72	2	50	16	NOTE 2		
7 [	NOTE 2	17	15	1	1.67	AHU-5	3.83		01.5	2.16	•	20	18	NOTE 2		
7 F	NOTE	19	-00	1	1.50	E)0.0.1.4		3.66	CU-5	2.16	2	30	20	NOTE 2		
╡ ├	NOTE 2	21 23	20	1	1.50 1.50	EWH-1	2.70	2.70	CU-6 / AC-1	1.20 1.20	2	15	22 24	NOTE 2		
-	NOTE 2	25	20	1	1.50	EWH-2	4.50		WATER METER HEATER	3.00	1	35	26	NOTE 2		
┥┟		27		1	2.50		4.50		SPARE SPARE	0.00	1	20	28	NOTE 2		
-	3#10 1#10GND	29	30	1	2.50	DRYER	2.50		SPARE	0.00	1		30			
┥┟			20			SPARE	2.50		SPARE	0.00	1	20 20	32			
┥┟		31	20	1		SPARE	0.00		SPARE	NEW 2017	1	C (100 (100 )				
╛┝		33	20	1			0.00		Section Control of Market Control of Control	0.00	1	20	34	-		
╛┝		35		1		SPACE	0.00		SPACE	0.00	1		36			
-   -		37				SPACE	0.00		SPACE	0.00	1		38			
╛┠		39		1		SPACE		0.00	SPD	0.00	1	30	40 42	3#10 1#10GND		
┥⊦		41		1	0.00	SPACE	C A	60		0.00	,l.		42			
	LOAD TYPES:	KVA	DEMAND FACTOR	TOTAL		Section To	otal (KVA):		NOTES:							
	LIGHTING:		1	9.6	1		kVA	AMPS	* INDICATES CLASS A, 5ma GFC		) 1.E.Z.					
	LARGEST MOTOR:		1.25	9.3		TOTAL CONNECTED LOAD:			** INDICATES 30ma GFCI BREAKE	and the second field						
-	ADDITIONAL MOTORS:	10.65	1	10.7		TOTAL DEMAND LOAD:	106.8	445.0	ALL CIRCUIT BREAKERS FOR HV					ED HID.		
	RECEPTACLES:		0.5	14.4					ALL CIRCUIT BREAKERS FOR LIC							
	HVAC:		0.9	33.7					1. E.C. SHALL PROVIDE AN UPDA							
	ELECTRIC SPACE HEATING:	10.73	1	10.7					2. SEE MECHANICAL EQUIPMENT	- ELECT	RICAL (	CONNEC	HON SO	CHDEULE DRAWING E-500.		
	KITCHEN:		0.65	14.3												
	MISCELLANEOUS:	7.00	0.6	4.2												

MC ENC PANELBOARD	DCATION: DUNTING: LOSURE: FEEDER: D FROM:	SURFA NEMA 1 SEE SIN	CE I NGLE LI		GRAM	PAN	IEL L				AIC	(MIN.):	240/120V, 1ø, 3 WIRE, 60HZ 22KAIC 225A MLO YES
NO. SIZE				K	VA			ES	SIZE	Ö			
WIRE / CABLE DESCRIPTION	CKT	BKR	POLES	Κ V	LOAD DESCRIPTION	A	В	LOAD DESCRIPTION	KVA	POLE	BKR	CKT	WIRE / CABLE DESCRIPTION
2#12 1#12GND	1	20	1	0.36	RECPT GAME RM	1.08		RECPT GAME RM 120	0.72	1	20	2	2#12 1#12GND
2#12 1#12GND	3	20	1	0.54	RECPT DIRECTOR RM		1.62	RECPT CONFERENCE RM	1.08	1	20	4	2#12 1#12GND
2#12 1#12GND	5	20	1	1.00	REFRIG BREAK RM	1.72		RECPT BREAK RM 125 ABOVE TOP	0.72	1	20	6	2#12 1#12GND
2#12 1#12GND	7	20	1	1.08	RECPT EXTERIOR		2.16	RECPT RESTROOMS	1.08	1	20	8	2#12 1#12GND
2#12 1#12GND	9	50	1	0.54	RECPT MULTIURPOSE RM	1.62		RECPT FOOD SERVICE COOR	1.08	1	20	10	2#12 1#12GND
2#12 1#12GND	11	20	1	1.26	RECPT NURSE 103/MOVIE		1.86	RECPT SEN ADVOCATE RM 102	0.60	1	20	12	2#12 1#12GND
2#12 1#12GND	13	20	1	1.00	COPIER RECPT	1.72		RECPT RECEPTION	0.72	1	20	14	2#12 1#12GND
2#12 1#12GND	15	20	1	0.54	RECPT FINANCE RM		1.80	RECPT LOBBY/ COORIDOR	1.26	1	20	16	2#12 1#12GND
2#12 1#12GND	17	20	1	1.08	RECPT ALZHEIMER RM	2.08		REFRIG MEALS ON WHEELS	1.00	1	20	18	2#12 1#12GND
2#12 1#12GND	19	20	1	0.72	RECPT ELEC/MECH/STG/EXTERIOR		0.72	SPARE	0.00	1	20	20	
2#12 1#12GND	21	20	1	0.36	RECPT COMPUTERS RM 124, 117	0.72		RECPT BACKBOARD	0.36	1	20	22	2#12 1#12GND
2#12 1#12GND	23	20	1	0.54	RECPT MULTIURPOSE RM		1.14	RECPT TV 'S	0.60	1	20	24	2#12 1#12GND
2#12 1#12GND	25	20	1	1.50	WASHER	1.68		RECPT CONF RM COUNTERTOP	0.18	1	20	26	2#12 1#12GND
2#12 1#12GND	27	20	1	_	MICROWAVE BREAK RM		2.20	VENDING MACHINE GAME RM	1.00	1	20	28	2#12 1#12GND
2#12 1#12GND	29	20	1		PROJECTOR & SCREEN	1.90		RECPT TV'S	0.90	1	20	30	2#12 1#12GND
2#12 1#12GND	31	20	1		COFFEE GAME RM		2.37	VENDING MACHINE GAME RM	1.00	1	20	32	2#12 1#12GND
2#12 1#12GND	33	20	1		COOLER GAME RM	1.40		FIRE ALARM PANEL	0.50	1	20	34	2#12 1#12GND
2#12 1#12GND	35	20	1	AN (1920) CONTROL	SECURITY PANEL		2.26	LIGHTS MULTI TRAYS	1.76	1	20	36	2#12 1#12GND
2#12 1#12GND	37	20	1		LIGHTS MULTI, S SIDE	2.71		LIGHTS TOILETS,CORRI,COORD	1.25	1	20	38	2#12 1#12GND
2#12 1#12GND	39	20	1	1.03	LIGHTS LOBBY,MOVIE,OFFICES		2.35	LIGHTS GAME, DIR, RCP, FIN, CNFR	1.32	1	20	40	2#12 1#12GND
2#12 1#12GND	41	20	1		EXTERIOR LIGHTS / FANS	0.78		ATTIC LIGHTS	0.10	1	20	42	2#12 1#12GND
2#12 1#12GND	43	20	1	200000000000000000000000000000000000000	HAND DRYER		1.73		0.00			44	
2#12 1#12GND	45	20	1	200000000000000000000000000000000000000	IRRIGATION PANEL	0.50		SPARE	0.00	2	20	46	1
2#12 1#12GND	47	20	1		RECPT LAUNDRY RM	0.00	0.18	SPARE	0.00	1	20	48	
2#12 1#12GND	49	20	1	ALCOHOL: NO	WATER COOLER RECPT	0.50	5.10	SPARE	0.00	1	20	50	
	51	20	1		SPARE	5.00	0.00	SPARE	0.00	1	20	52	
	51	20	1		SPARE		0.00	SPARE	0.00	1	20	54	
	KVA	DEMAND	TOTAL		Section To	18 otal (KVA):			and the second	sudi	Toward PS	Common Services	
LOAD TYPES:		ㅁ팝	Ĕ		r			NOTES:					
LIGHTING:	7.61	1	)			kVA	AMPS	* INDICATES CLASS A, 5ma GFCI					
LARGEST MOTOR:	0.00	1.25	0.0		TOTAL CONNECTED LOAD:	38.8	161.7	** INDICATES 30ma GFCI BREAKEI		· Contractor of			
ADDITIONAL MOTORS:	1.50	1	1.5		TOTAL DEMAND LOAD:	23.6	98.2	ALL CIRCUIT BREAKERS FOR HVA					
RECEPTACLES:		0.5	13.5					ALL CIRCUIT BREAKERS FOR LIGI					e .
HVAC:	0.00	0.9	0.0					1. E.C. SHALL PROVIDE AN UPDAT	ED PAN	EL SCI	HEDULE	-	
ELECTRIC SPACE HEATING:	1.73	1	1.7										
KITCHEN:		0.65	3.6										
MISCELLANEOUS:	5.50	0.6	3.3										

DESIGNING ARCHITECT

WAKEFIELD BEASLEY & ASSOCIATES

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02/04/2019

DAWSON COUNTY SENIOR CENTER

201 RECREATION RD DAWSONVILLE, GA 30534

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