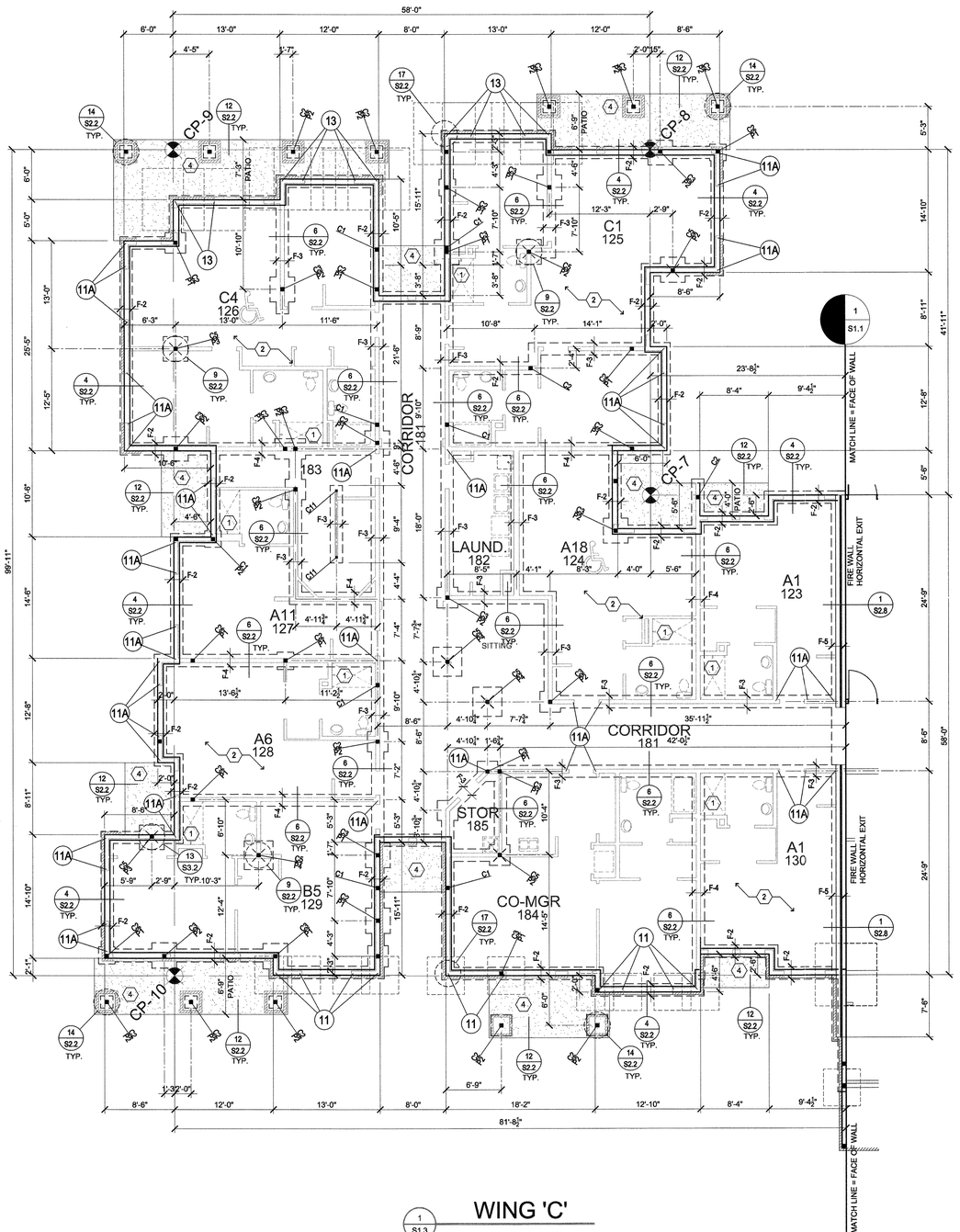

COLUMN SCHEDULE

COL	MATERIAL	SIZE	BASEPLATE
C1	SPF #1/#2 OR BETTER DFL #2	(2) 2x6 4x6	
C2	SPF #1/#2 OR BETTER -- DFL #1	(3) 2x6 -- 6x6	
C3	SPF #1/#2 OR BETTER -- DFL #1	(4) 2x6 -- 6x8	
C4	ASTM A500	3-1/2x3-1/2x1/4"	9-1/2"x0'-91/2x3/4"
C5	ASTM A500	4x4x1/4"	10"x0'-10"x3/4"
C6	ASTM A500	4x4x5/16"	10"x0'-10"x3/4"
C7	ASTM A500	4x4x3/8"	10"x0'-10"x3/4"
C8	ASTM A500	5x5x3/8"	11"x0'-11"x3/4"
C9	ASTM A500	5x5x1/4"	11"x0'-11"x3/4"
C10	ASTM A500	6x6x5/16"	12"x12"x3/4"
C11	SPF #1/#2 OR BETTER DFL #2	(4) 2x4 4x6	
C12	ASTM A500	8x8x1/4"	14"x14"x3/4"

COLUMN PAD SCHEDULE

PADS	WIDTH x LENGTH x THICKNESS	REINFORCEMENT
P-1	24" x 24" x 12"	(4) #4 BARS E.W.
P-2	30" x 30" x 12"	(4) #4 BARS E.W.
P-3	36" x 36" x 12"	(5) #4 BARS E.W.
P-4	42" x 42" x 12"	(6) #4 BARS E.W.
P-5	48" x 48" x 12"	(9) #4 BARS E.W.
P-6	54" x 54" x 14"	(11) #4 BARS E.W.
P-7	60" x 60" x 14"	(12) #4 BARS E.W.
P-8	66" x 66" x 14"	(15) #4 BARS E.W.
P-9	72" x 72" x16"	(17) #4 BARS E.W.
P-10	78" x 78" x 16"	(18) #4 BARS E.W.
P-11	84" x 84" x 16"	(18) #4 BARS E.W.
P-12	90" x 90" x16"	(22) #4 BARS E.W.
P-13	94" x 94" x16"	(24) #4 BARS E.W.

* DEPTH OF EXTERIOR PADS PER FOUNDATION NOTE #6. TOP OF INTERIOR PADS TO START AT BOTTOM OF SLAB.

FOOTING SCHEDULE

FOOTING TYPE	DETAIL REFER.	FOOTING W x D	REINFORCEMENT		
			FTG. LONG. REINF.	VERTICAL REINF.	TRANS. REINF.
F-1	NOT USED				
F-2	4/S2.2 17/S2.2	18x12	(3) #4 BOT.	#4@48"o/c	
F-3 *	6/S2.2 10/S2.2	18x12	(3) #4 BOT.		#4@48"o/c
F-4 *	6/S2.2 10/S2.2	18x12	(3 #4 BOT.		#4@48"o/c
F-5 *	6/S2.2 10/S2.2	18x12	(3) #4 BOT.		#4@48"o/c
F-6	18/S2.2	18x12	(3) #4 BOT.	#4@48"o/c	

*HOLDOWN PAD SIZE AND LOCATION PER FNDN. PLAN. REINFORCEMENT PER HOLDOWN SCHEDULE.
*HOLDOWN PAD IS AT BOTTOM OF FOOTING DEPTH UNLESS HOLDOWN PAD IS GREATER THAN FROST DEPTH.

ZONE 4 HOLDOWN SCHEDULE

QC	THIRD FLOOR	SECOND FLOOR	FIRST FLOOR	A307 BOLT DIA. (UNO)	EMBED. DEPTH	CONC. PAD (WxWxD)
11A			3610	3/4"	10-1/2"	NO PAD
11			9000	3/4"	10-1/2"	54x54x24 W/(7)#5 E.W
13			17082	1"	15-1/2"	90x90x24 W/(11)#4 E.W TOP & BTM.
21		6100	6100	5/8"	10-1/2"	42x42x18 W/(8)#4 E.W
23		12000	17500	1-1/8"	13-1/2"	102x102x24 W/(8)#5 E.W TOP & BTM.
31	6100	6100	6100	5/8"	10-1/2"	42x42x18 W/(8)#4 E.W
33	6000	12000	17500	1-1/8"	13-1/2"	102x102x24 W/(8)#5 E.W TOP & BTM.
35	12000	20000	21875	★ 1-1/4"	16-7/8"	108x108x30 W/(11)#5 E.W TOP & BTM.

-HOLDOWN NOTES EMBEDMENT DEPTHS ARE CALCULATED FOR THE SIMPSON SET-XP EPOXY SYSTEM. ALL OTHER EPOXY SYSTEMS SHALL BE APPROVED BY THE ARCHITECT or ENGINEER BEFORE INSTALLATION.

-ARCHITECT TO RECEIVE WRITTEN CONFIRMATION THAT HOLDOWNS ARE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

-EMBEDMENT DEPTH IS REQUIRED DEPTH MEASURED FROM TOP OF CONCRETE PAD. (EXCLUDE SLAB AND STEMWALL DEPTH)..

-CONCRETE PAD DIMENSIONS SHALL ACHIEVE 100% STRENGTH WITHOUT USING EDGE REDUCTION FACTORS TO ACHIEVE DESIGN UPLIFT (TENSILE) RESISTANCE OF EMBEDDED ANCHOR BOLTS.

-ALL HOLES DRILLED IN OR THROUGH WOOD MEMBERS FOR HOLDOWN RODS AND ANCHOR BOLTS TO BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/8" LARGER THAN THE BOLT OR ROD DIAMETER.

-IF HOLDOWN FOOTING SIZE IS LARGER THAN COLUMN PAD USE HOLDOWN SCHEDULE FOOTING.

★ - A193 GR B7 BOLT REQUIRED.

NOTE:
SEE ANCHOR BOLT LAYOUT ON SHEET S2.7a & S2.7b FOR INSTALLATION INFORMATION.

FOUNDATION NOTES

1. BOTTOM PLATE ANCHORS: EXTERIOR SHEARWALL - REFER TO SHEARWALL SCHEDULE EXTERIOR NON-SHEARWALL - 1/2"Ø x10" ANCHOR BOLTS @ 48" o.c. AND 6" FROM ENDS AND PLATE SPLICES. INTERIOR SHEARWALL- REFER TO SHEARWALL SCHEDULE INTERIOR NON-SHEARWALL - "HILTI" DS72S36 @ 48"oc AND 6" FROM ENDS.
2. 28 DAY CONCRETE STRENGTH =3,000 psi MIN.
3. SOIL BEARING CAPACITY PER SOILS REPORT
   SPREAD FOOTINGS = 4,000 psf.
   SQUARE FOOTINGS = 4,000 psf.
4. DIMENSIONS SHOWN ARE: EXTERIOR WALLS = OUTSIDE EDGE OF STEM WALL
   INTERIOR WALLS = CENTER OF THICKENED SLAB FREE STANDING COLUMNS = CENTER OF COLUMN
5. FINISHED FLOOR ELEVATION PER CIVIL GRADING PLANS
6. MINIMUM FOUNDATION DEPTH 54" BELOW FINISH GRADE.
7. VERIFY ELEV. PIT REQ'TS. W/ MANUF. (DIM. SHOWN TO INSIDE FACE.)
8. FINISH GRADE (F.G.) TO BE 8" BELOW FINISH FLOOR (F.F.) ELEVATION.

EXTRACT FROM SOILS REPORT PREPARED BY:
S. W. COLE ENGINEERING, INC.
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GRAY, MAINE 04039
PHONE: 207-657-2866
PROJECT #14-1188S
DATE: JANUARY 16, 2015

STRUCTURAL LEGEND:

- DETAIL REFERENCE (1/S2.3)
- STRUCT. NOTE (1)
- HEAT PUMP UNIT
- FIRE WALL/FIRE BARRIER HORIZONTAL EXIT
- WOOD COLUMN DESIGNATION
- TUBE STEEL COLUMN DESIGNATION
- COLUMN REF. C2 / COLUMN PAD TAG P1
- FOOTING TAG F-1
- SHEARWALL ON WALL SHOWN (A) SHEAR PANEL ON DASHED SIDE
- HOLDOWN REF. SYSTEM REFERENCE (11) (SEE S2.7a & S2.7b) SEE DETAILS 10,17/S2.2 FOR FTG
- SUBSCRIPTS: WB - STARTS AT WOOD BEAM; SB - STARTS AT STEEL BEAM
- HOLDOWN REFERENCE(SEE 1/S2.4) (B)
  S = SINGLE CS16x49" LONG STRAP w/ (22) 10d PER STRAP
  S2 = DBL. CS16x49" LONG STRAP w/ (22) 10d PER STRAP
  S3 = TRIPLE CS16x49" LONG STRAP w/ (22) 10d PER STRAP
  S4 = TRIPLE CS14x57" LONG STRAP w/ (30) 10d PER STRAP
- 2x6 AT 16" O.C. BEARING WALL U.N.O.
- 2x8 BEARING WALL PER PLAN
- 2x10 AT 24" O.C. BEARING WALL
- HALF HIGH WALL PER PLAN
- STRUCT MEMBER (SEE BELOW) R = RAFTERS; J = FLOOR JOISTS; CJ = CEILING JOISTS
- FRAMING DIRECTION
- FRAMING TYPE J-1 / R-1
- EXTENT OF FRAMING
- SINGLE JOIST / TRUSS
- DBL. JOIST / VLY. TRUSS HIP TRUSS / GIRDER TRUSS

STRUCTURAL FOUNDATION NOTES

1. ALL ROLL-IN SHOWERS TO BE RECESSED PER DETAIL 20/S2.2
2. 4" CONCRETE SLAB W/ FIBEROUS REINFORCEMENT 1-1/2lb.PER CUBIC YARD (SEE DETAIL 1 & 2/S2.2)
3. SLAB RECESSED 6" AT MECHANICAL ROOM AND FREEZER (VERIFY SIZE AND LOCATION W/ KIT. EQUIPMENT SUPPLIER)
4. HATCH INDICATES EXT. SLAB-ON- GRADE PATIO W/ EXP. JOINT FILLER BETWEEN BLDG. & SLAB. SLOPE SLABS AWAY FROM BLDG. PER ARCH. (TYP.) (REMOVE EXP. JOINT FILLER AT DOOR THRESHOLDS AND REPLACE W/ FLEXIBLE FLASHING PEEL & STICK) CONTROL JOINT LOCATION SHOWN DASHED
5. 4" CONCRETE SLAB W/ FIBEROUS REINFORCEMENT 1-1/2 lb.PER CUBIC YARD AND #4 REBAR @ 24" EACH WAY.

WING 'C' FOUNDATION PLAN

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

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WING C
FOUNDATION
PLAN

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DATE 8/28/2015

REVISED DATE
1 9/22/2015

SHEET S1.3

STATE OF MAINE Daniel S. Green No. 8685 REGISTERED PROFESSIONAL ENGINEER 1/24/16

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