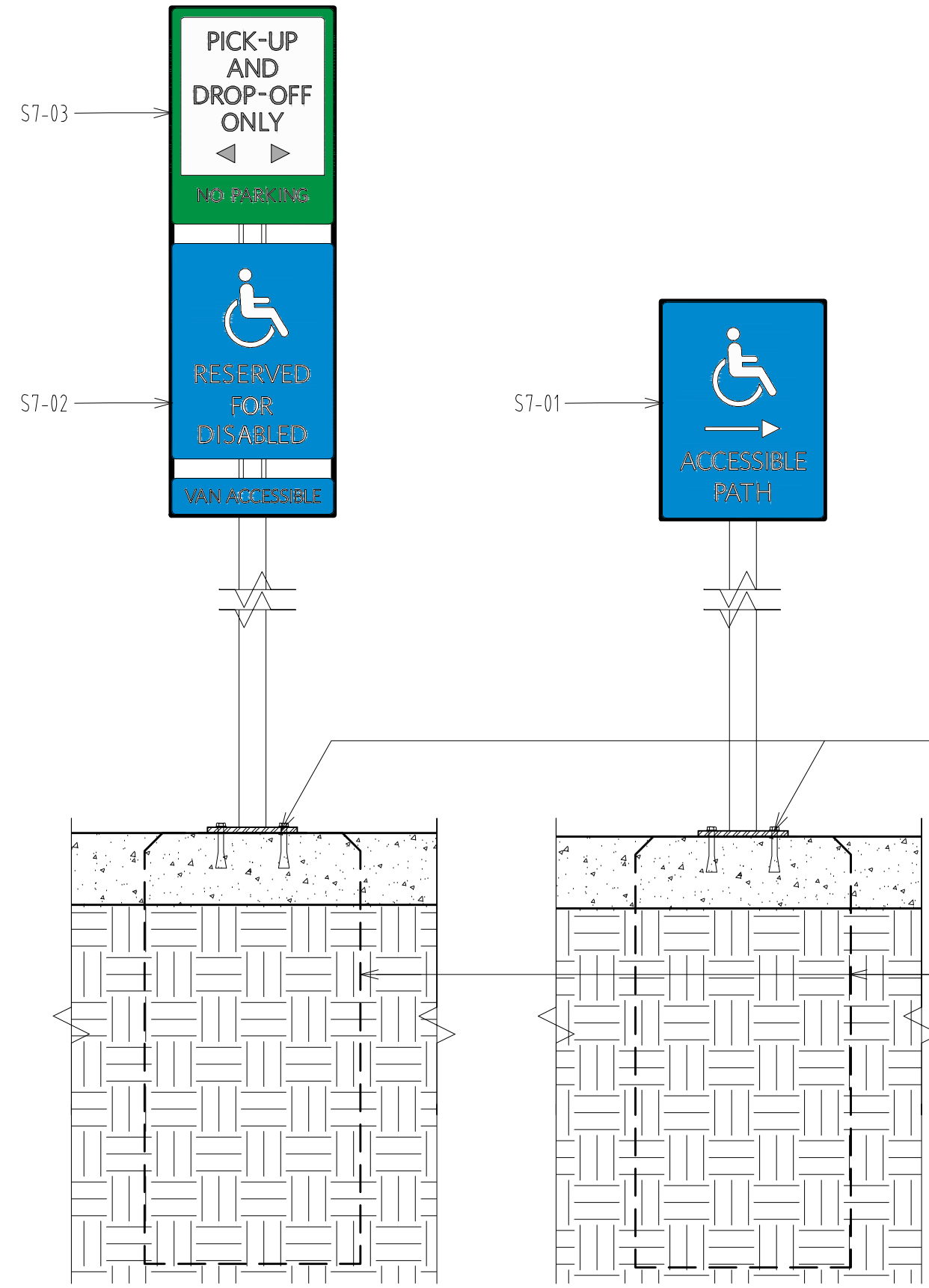


-GENERAL NOTE:  
 1. REFER TO 02/SN2005 AND 03/SN2005 FOR SIGN DETAILS  
 2. REFET TO SN 1120 FOR SIGN LOCATION



MOORE SCHOOL OF BUSINESS  
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 BID PACKAGE 3  
 ENCLOSURE/SITE/MEPFP/INTERIOR  
 ADDENDUM #003  
 PROJECT NO. 655.000

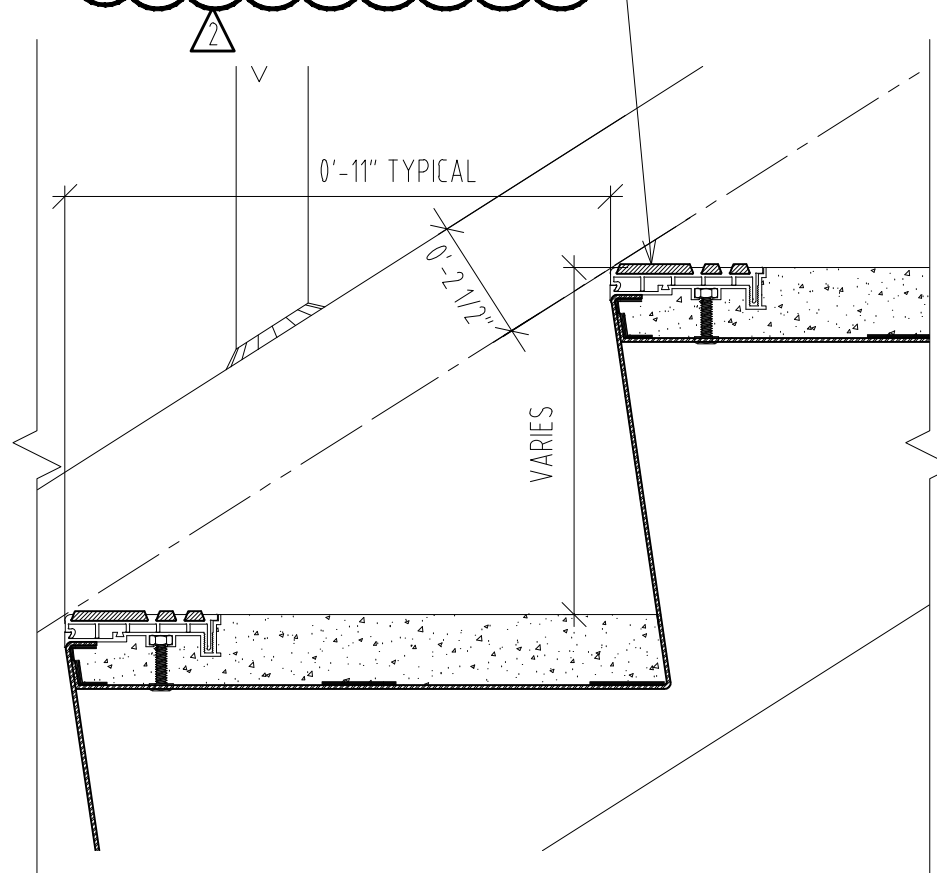
2012.06.22  
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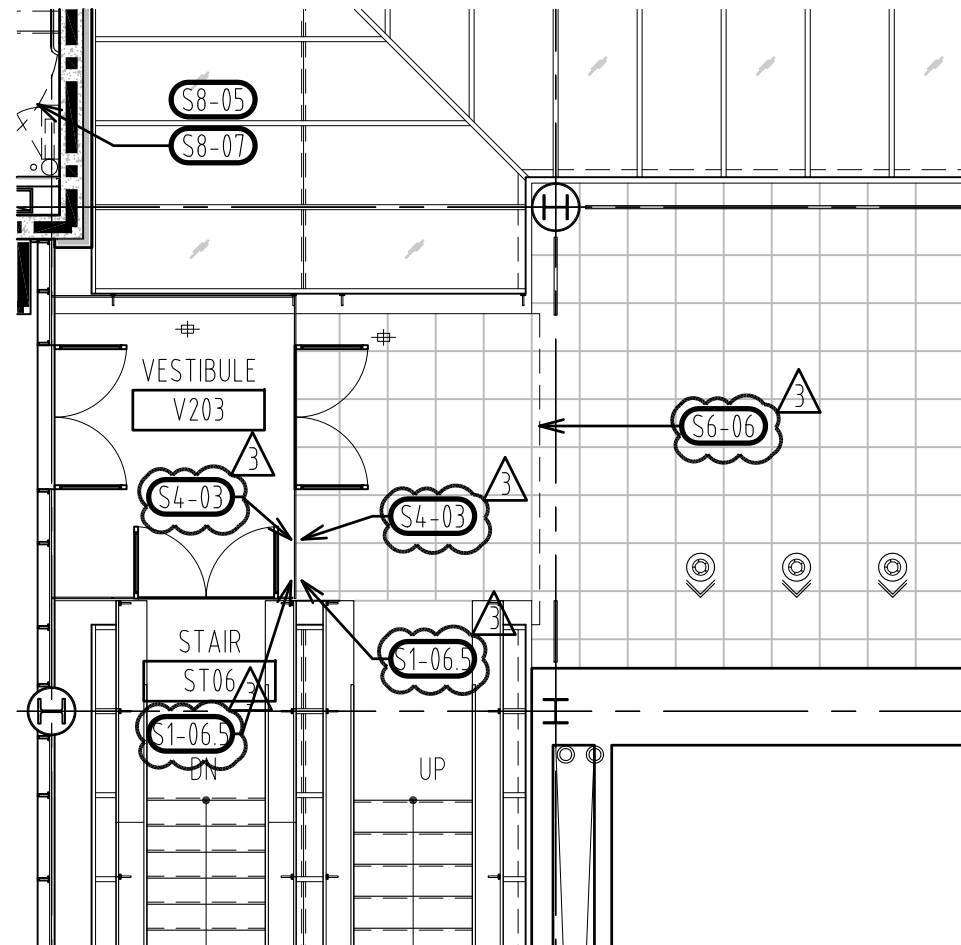
EXTERIOR TYPES PANEL AND POST SIGNS - REFLECTORIZED & PAINTED  
 PANEL SIGNS REF. DWG # 07/SN2005  
 SHEET TITLE :

SCALE :  
 3" = 1'-0"  
 SHEET NUMBER :  
 SN-SK-001

TYPE S8-04: STAIR TREAD ILLUMINATION  
 STRIP: 1" PHOTOLUMINESCENT STRIP  
 INTEGRAL TO NON-SLIP ALUMINUM NOSING

NOTE: THIS STRIP (S8-04) IS NOT INCLUDED  
 IN BP3 FOR STAIR ST01, 02, 03, 04 AND  
 WILL BE COMPLETED IN BP2.  
 THIS DETAIL OCCURS IN BP3 ONLY AT  
 CORRIDOR H001, PER 04/SN5001





SIGNAGE PLAN LEVEL 2 ZONE D

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

01

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ADDENDUM #003

PROJECT NO. 655.000

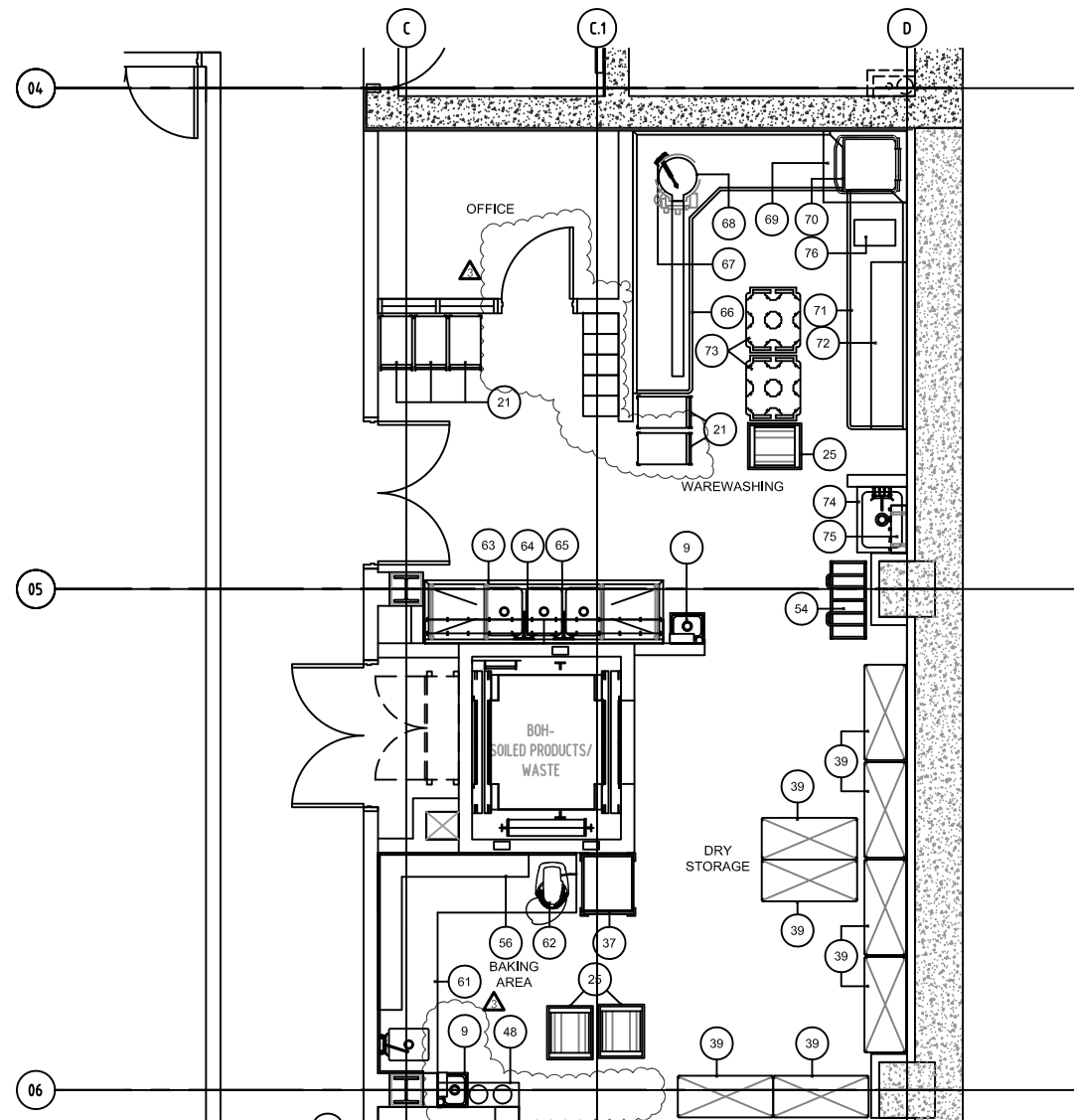
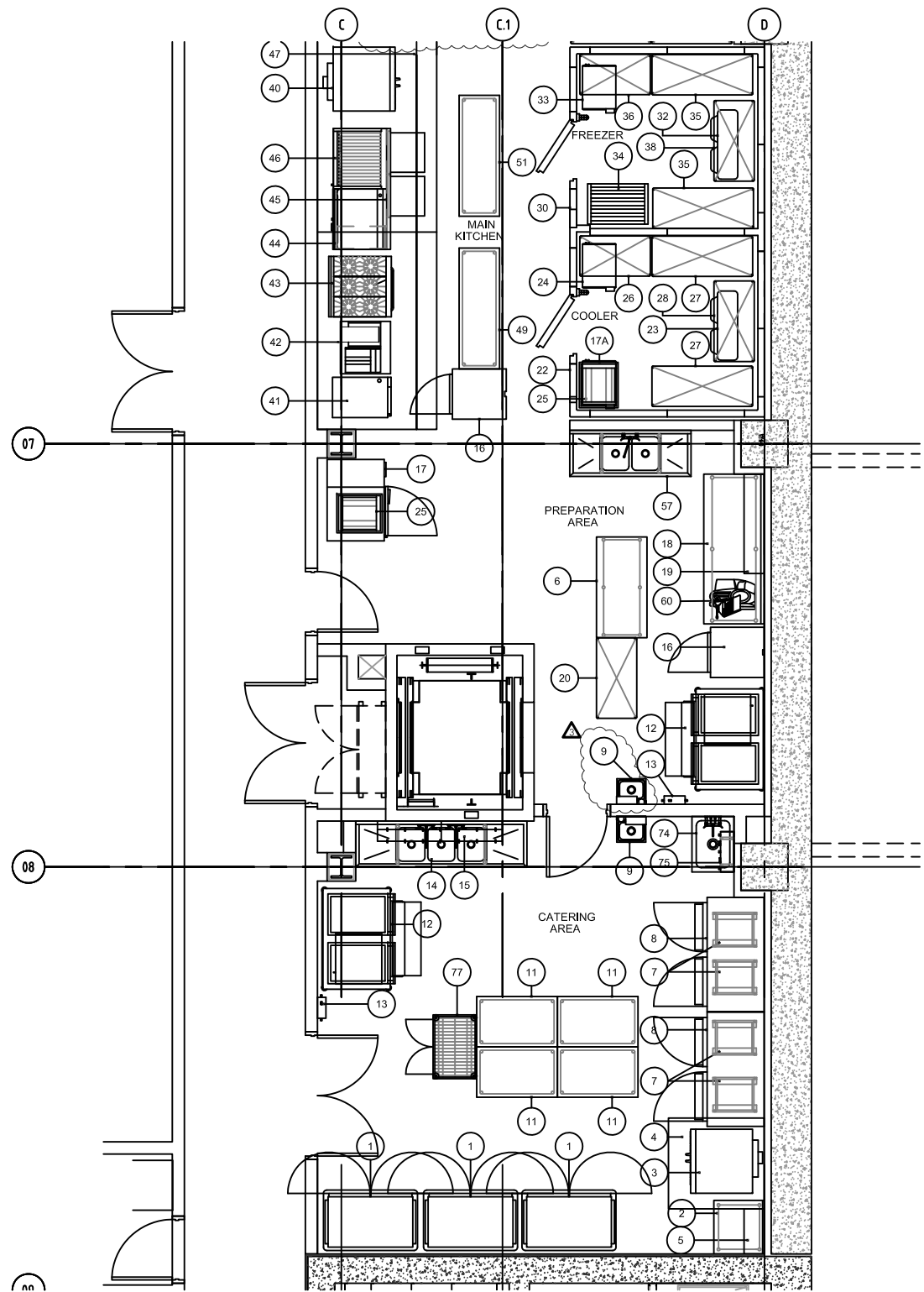
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SIGNAGE PLAN LEVEL 2 ZONE D  
REF. DWG #SN1120D

SHEET TITLE :





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

SHEET NUMBER :  
SN-SK-003



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 BID PACKAGE 3  
 ENCLOSURE/SITE/MEPFP/INTERIOR  
 ADDENDUM #003

PROJECT NO. 655.000

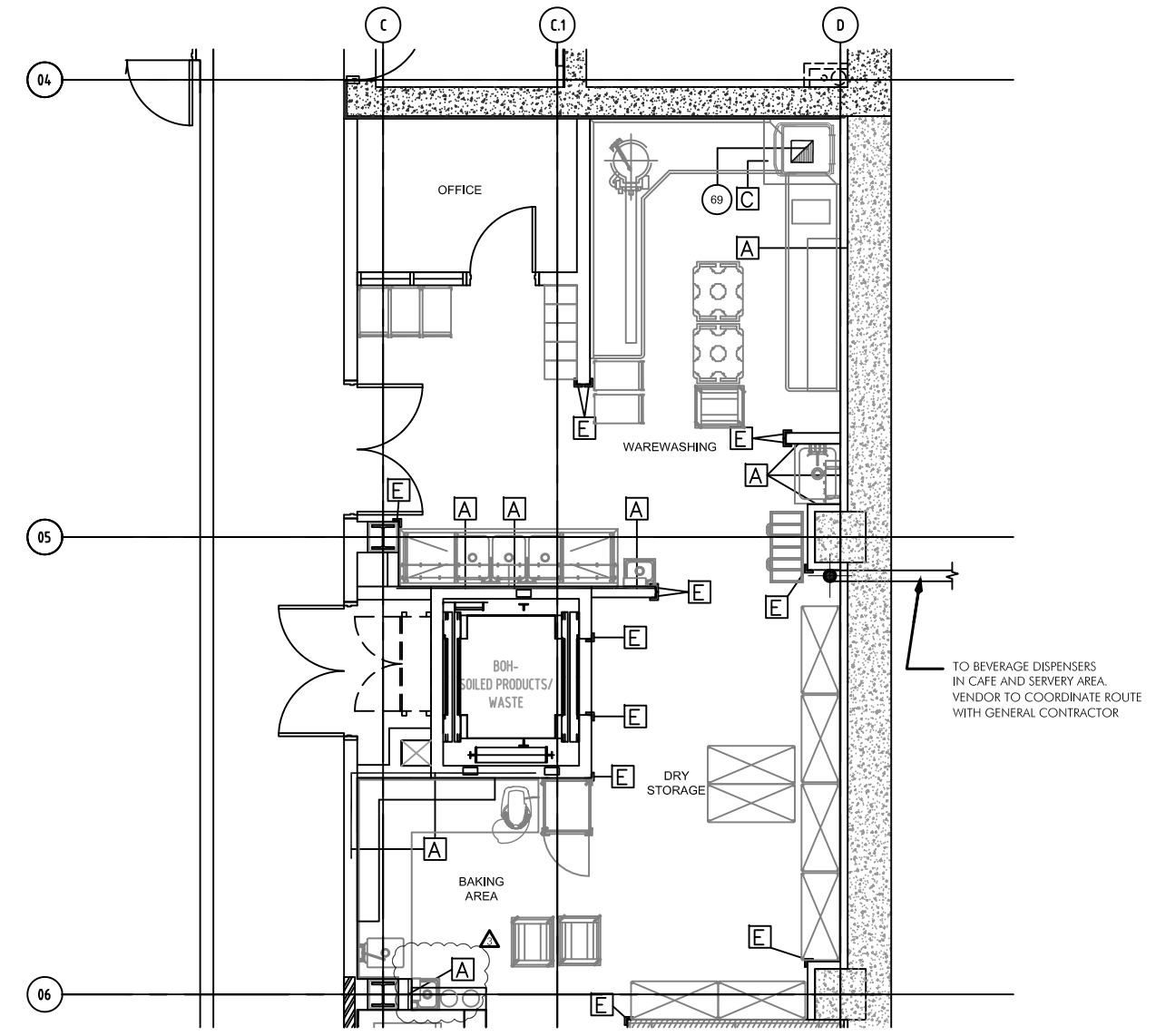
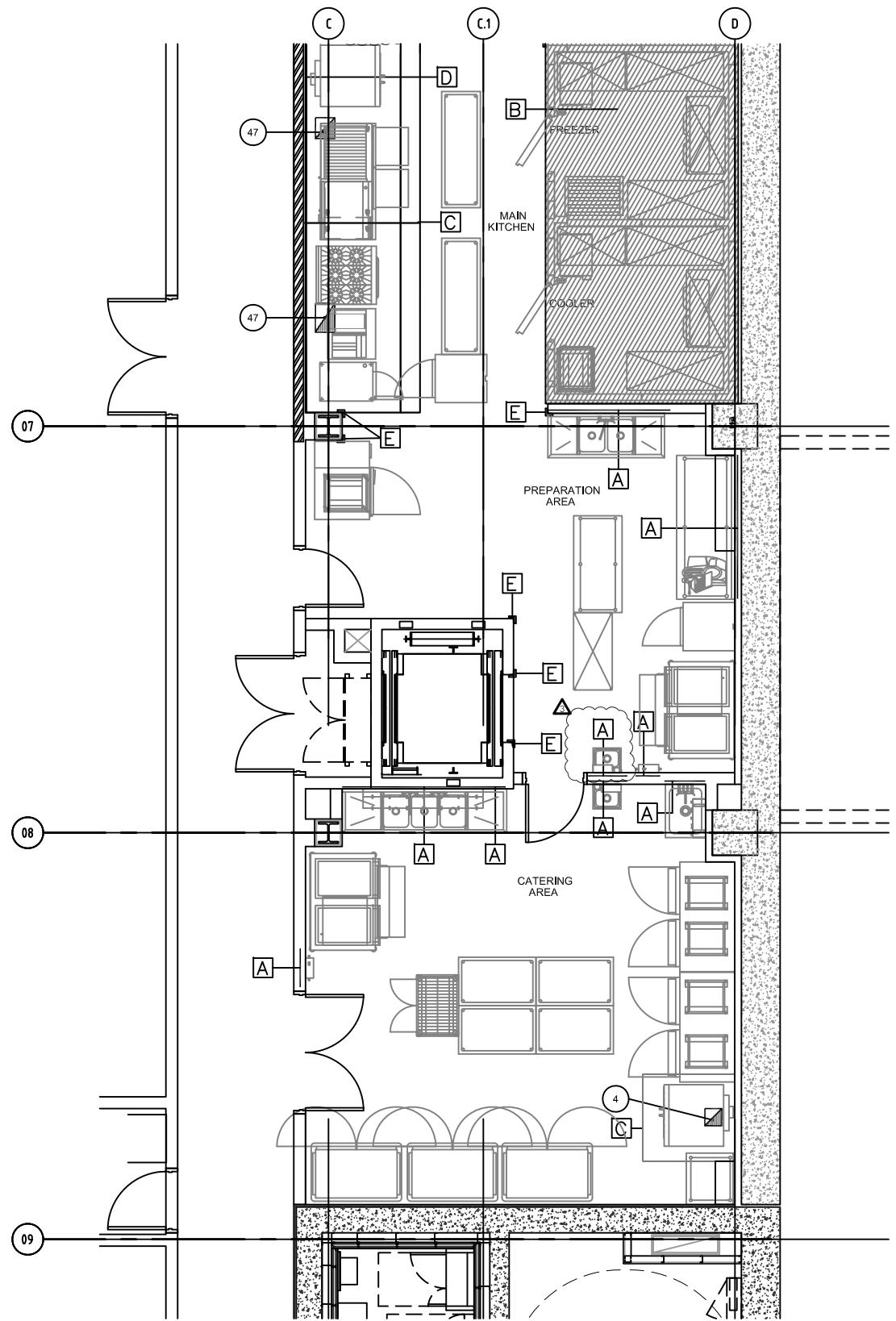
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 2012.06.22  
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LEVEL 0 EQUIPMENT LAYOUT PLAN  
 REF. DWG # FS1001

SHEET TITLE :

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

SHEET NUMBER :  
 FS-SK-001

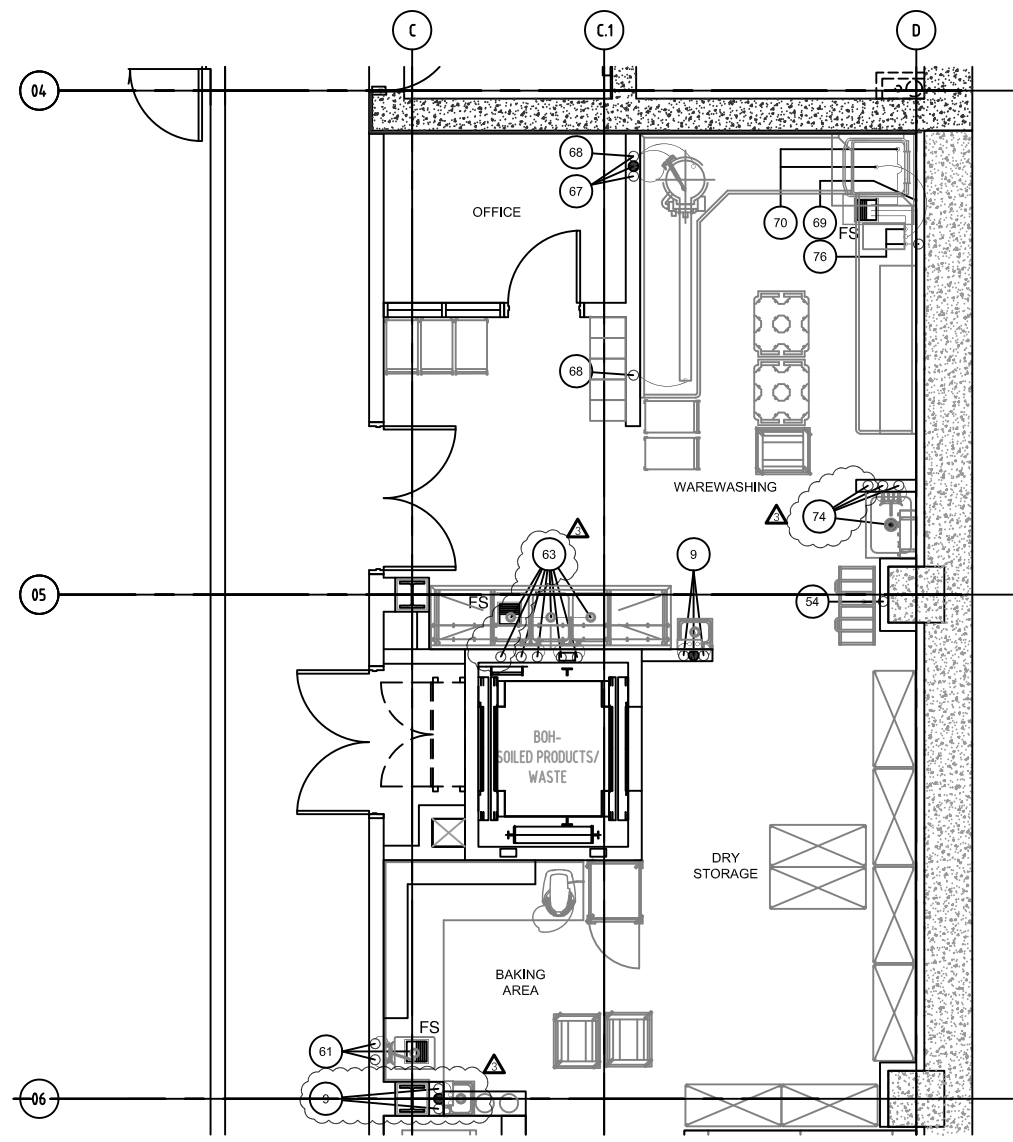
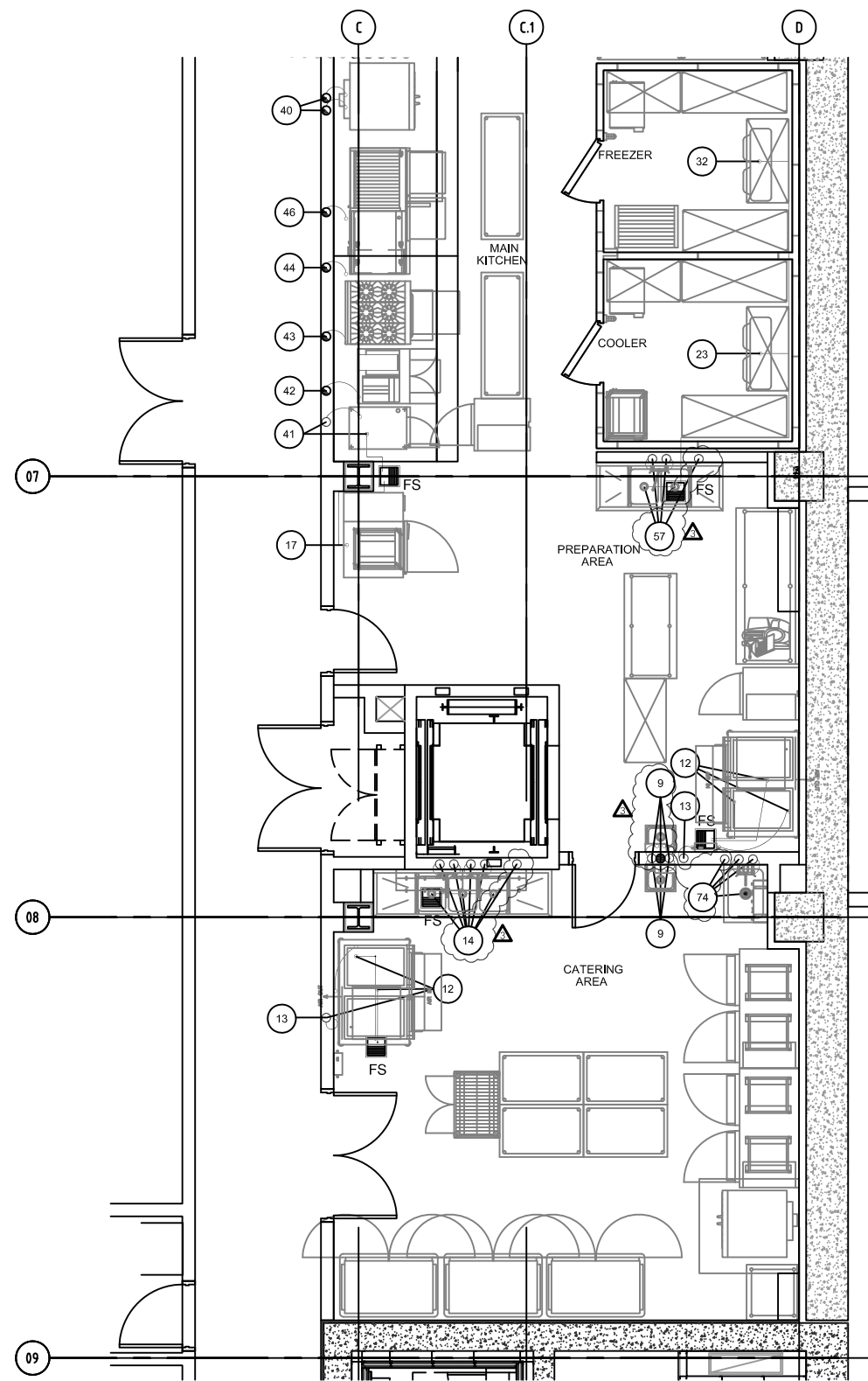


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 BID PACKAGE 3  
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 ADDENDUM #003  
 PROJECT NO. 655.000

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LEVEL 0 SPECIAL BUILDING CONDITIONS PLAN  
 REF. DWG # FS1002  
 SHEET TITLE :

SCALE :  
 1/8"=1'-0"  
 SHEET NUMBER :  
 FS-SK-002



PLUMBING SCHEDULE												
ITEM NO	EQUIPMENT CATEGORY	COLD WATER SIZE (IN)	COLD WATER AFF (IN)	HOT WATER SIZE (IN)	HOT WATER AFF (IN)	DIRECT DRAIN SIZE (IN)	DIRECT DRAIN AFF (IN)	INDIR. DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	GAS AFF (IN)	PLUMBING REMARKS
9	HAND SINK	1/2	16									
12	ICE MAKER W/ BIN	3/4	FROM ITEM 13					(1)1/2 & (1)3/4				INDIRECT WASTE TO FLOOR SINK
13	WATER FILTER	3/4	72									
14	3 COMPARTMENTS SINK	1/2	16	1/2	16			1-1/2				INDIRECT WASTE TO FLOOR SINK FOR CHEMICAL DISPENSER
17	BLAST CHILLER							1-1/2				
23	COOLER EVAPORATOR COIL							1/2				INDIRECT WASTE TO FLOOR SINK
32	FREEZER EVAPORATOR COIL							1/2				INDIRECT WASTE TO FLOOR SINK
40	CONVECTION OVEN								3/4	60	24	
41	STEAMER	3/4	16					1-1/2				INDIRECT WASTE TO FLOOR SINK
42	FRYER WITH FILTER & SPREADER								1	90	24	
43	RANGE								3/4	220	24	
44	GRIDDLE								3/4	90	24	
46	CHARBROILER								3/4	114	24	
54	BAG-N-BOX RACK	1/2	72									
57	TWO COMPARTMENT SINK	1/2	16	1/2	16			(2)1-1/2				INDIRECT WASTE TO FLOOR SINK FOR CHEMICAL DISPENSER
61	WORK TABLE W/SINK	1/2	16	1/2	16			1-1/2				INDIRECT WASTE TO FLOOR SINK
63	THREE COMPARTMENT SINK	3/4	16	3/4	16			(3)1-1/2				INDIRECT WASTE TO FLOOR SINK FOR CHEMICAL DISPENSER
67	PRE-RINSE FAUCET	1/2	16	1/2	16							
68	TROUGH COLLECTOR	3/4	12	3/4	12	2	18					
69	CONDENSATE HOOD							1/2				INDIRECT WASTE TO FLOOR SINK
70	WAREWASHER			3/4	FROM ITEM 76			1-1/2				INDIRECT WASTE TO FLOOR SINK
74	MOP SINK / UTILITY FAUCET	1/2	36	1/2	36	4	STUB					FOR CHEMICAL DISPENSER
76	BOOSTER HEATER	3/8	42	3/4	12			3/4				INDIRECT WASTE TO FLOOR SINK

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 BID PACKAGE 3  
 ENCLOSURE/SITE/MEPFP/INTERIOR  
 ADDENDUM #003


  
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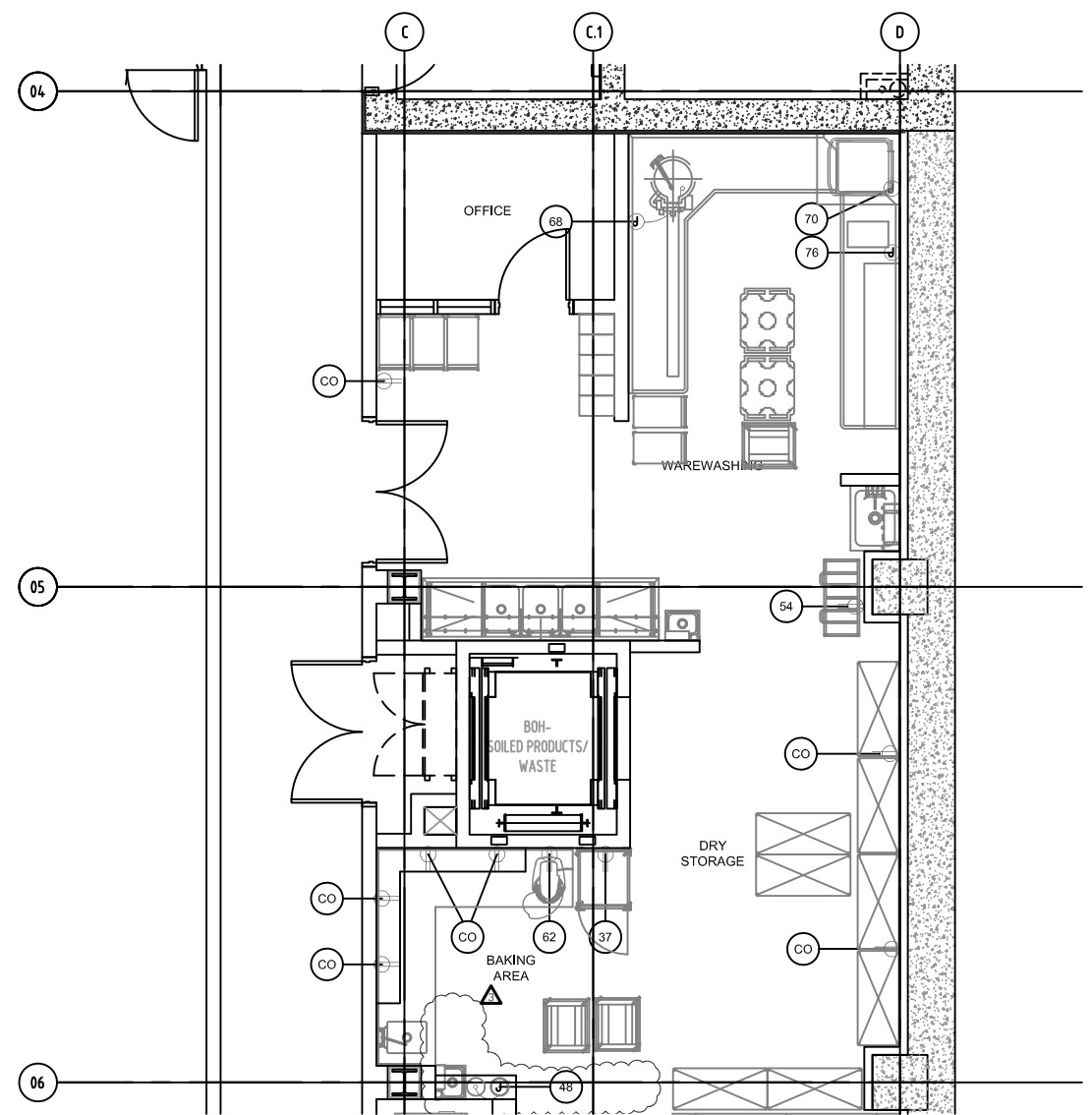
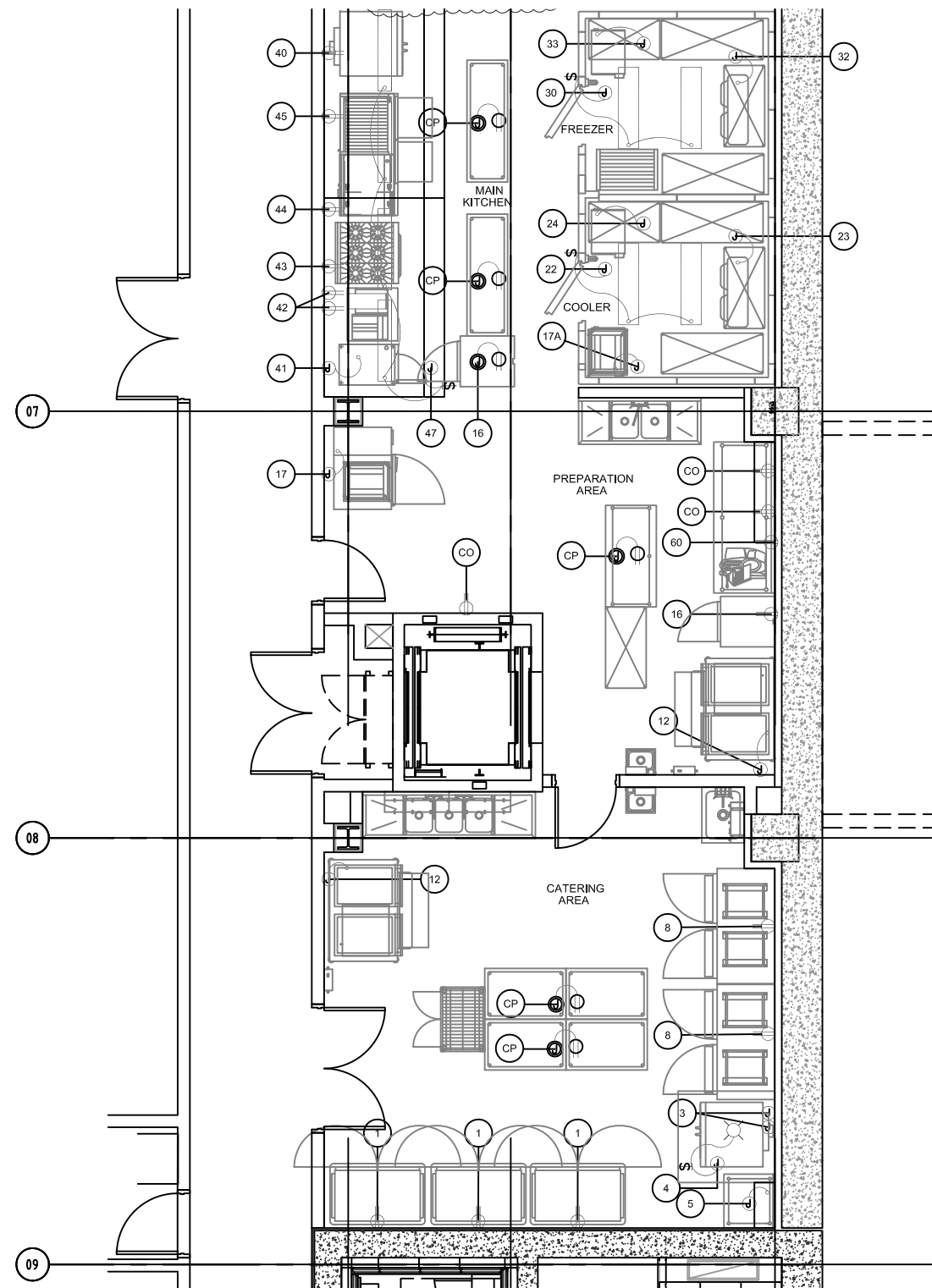
EQUIPMENT PLUMBING PLAN  
 REF. DWG # FS1003

SHEET TITLE :

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

SHEET NUMBER :  
 FS-SK-003

PROJECT NO. 655.000



MOORE SCHOOL OF BUSINESS  
 UNIVERSITY OF SOUTH CAROLINA  
 BID PACKAGE 3  
 ENCLOSURE/SITE/MEPFP/INTERIOR  
 ADDENDUM #003

PROJECT NO. 655.000

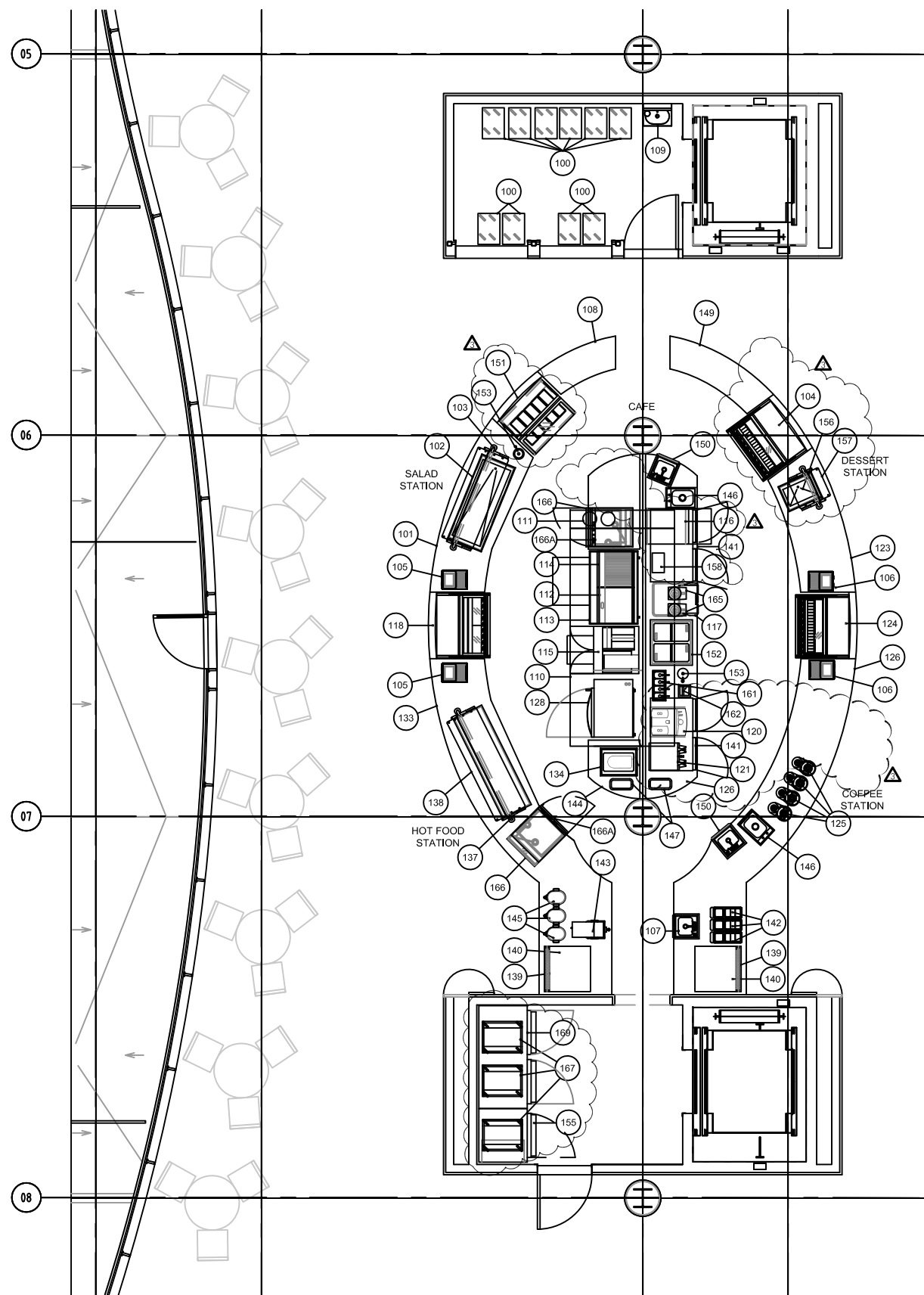
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3	2012.06.22
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LEVEL 0 EQUIPMENT ELECTRICAL PLAN  
 REF. DWG # FS1004

SHEET TITLE :

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

SHEET NUMBER :  
 FS-SK-004



EQUIPMENT SCHEDULE			
ITEM NO	QTY	EQUIPMENT CATEGORY	EQUIPMENT REMARKS
100	9	TRAY CART	
101	1	SERVING COUNTER	BY GENERAL CONTRACTOR - REFER TO ARCHITECTURAL
102	1	REFRIGERATED WELLS	
103	1	SNEEZE GUARD	
104	1	REFRIGERATED DISPLAY CASE	OPERATOR SERVED
105	2	POINT OF SALE TERMINAL	
106	2	POINT OF SALE TERMINAL	
107	1	DROP-IN HAND SINK	
108	1	WORK COUNTER	BY GENERAL CONTRACTOR - REFER TO ARCHITECTURAL
109	1	HAND SINK	WITH SOAP AND TOWEL DISPENSER
110	1	EXHAUST HOOD	
111	1	FIRE SUPPRESSION SYSTEM	
112	1	REFRIGERATED EQUIPMENT STAND	
113	1	GRIDDLE	
114	1	CHARBROILER	
115	1	FRYER WITH FILTER & SPREADER	
116	1	TURBO CHEF OVEN	
117	1	ICE TRANSPORT CART	
118	1	REFRIGERATED DISPLAY CASE	SELF-SERVE
119	-	SPARE NUMBER	
120	1	ESPRESSO MACHINE	BY VENDOR
121	1	COFFEE MAKER	BY VENDOR
122	-	SPARE NUMBER	
123	1	SERVING COUNTER	BY GENERAL CONTRACTOR - REFER TO ARCHITECTURAL
124	1	REFRIGERATED/DRY DISPLAY CASE	
125	4	AIRPOTS	BY VENDOR
126	1	SERVING COUNTER	BY GENERAL CONTRACTOR - REFER TO ARCHITECTURAL
127	-	SPARE NUMBER	
128	1	ROTISSERIE	
129	-	SPARE NUMBER	
130	-	SPARE NUMBER	
131	-	SPARE NUMBER	
132	-	SPARE NUMBER	
133	1	SERVING COUNTER	BY GENERAL CONTRACTOR - REFER TO ARCHITECTURAL
134	1	SOUP WELL	
135	-	SPARE NUMBER	
136	-	SPARE NUMBER	
137	1	SNEEZE GUARD	
138	1	DROP-IN HEATED SHELF	
139	2	SODA DISPENSER	BY VENDOR
140	2	ICE MAKER	
141	2	UNDERCOUNTER REFRIGERATOR	
142	3	CONDIMENT DISPENSER	
143	1	ICED TEA BREWER	BY VENDOR
144	1	WORK COUNTER	BY GENERAL CONTRACTOR - REFER TO ARCHITECTURAL
145	3	ICED TEA DISPENSER	BY VENDOR
146	2	DROP-IN SINK	
147	2	TRASH CAN	BY OWNER
148	-	SPARE NUMBER	
149	1	WORK COUNTER	CUSTOM FABRICATED
150	2	DROP-IN HAND SINK	
151	1	GELATO DISPLAY CASE	
152	1	ICE CREAM DISPLAY CASE	
153	2	DIPPERWELL	
154	-	SPARE NUMBER	
155	1	ROLL-IN REFRIGERATOR	
156	1	DROP-IN COLD WELL	
157	1	SNEEZE GUARD	
158	1	CONDIMENT CONTAINER	COUNTERTOP
159	-	SPARE NUMBER	
160	-	SPARE NUMBER	
161	1	SYRUP RAIL	
162	1	KNOCK BOX	
163	-	SPARE NUMBER	
164	-	SPARE NUMBER	
165	2	BLENDER	
166	2	CARVING STATION	
166A	2	UNDERCOUNTER HEATED CABINET	
167	3	UTILITY RACK	
168	-	SPARE NUMBER	
169	1	ROLL-IN HEATED CABINET	
170-200	-	SPARE NUMBERS	

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UNIVERSITY OF SOUTH CAROLINA  
BID PACKAGE 3  
ENCLOSURE/SITE/MEPFP/INTERIOR  
ADDENDUM #003

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LEVEL 2 EQUIPMENT LAYOUT PLAN  
REF. DWG # FS1201

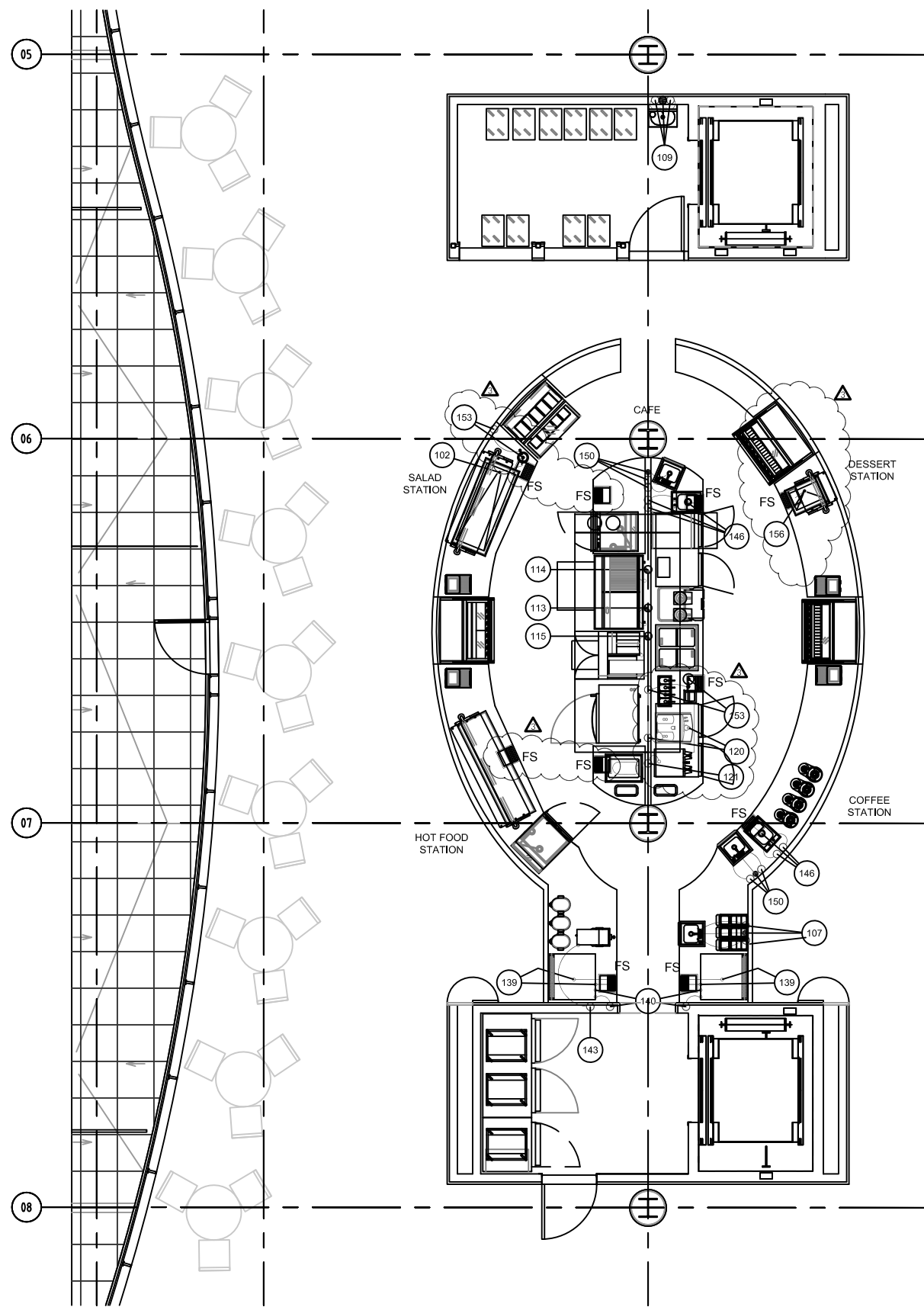
SHEET TITLE :

PROJECT NO. 655.000

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

SHEET NUMBER :  
FS-SK-005





MOORE SCHOOL OF BUSINESS  
 UNIVERSITY OF SOUTH CAROLINA  
 BID PACKAGE 3  
 ENCLOSURE/SITE/MEPFP/INTERIOR  
 ADDENDUM #003

PROJECT NO. 655.000

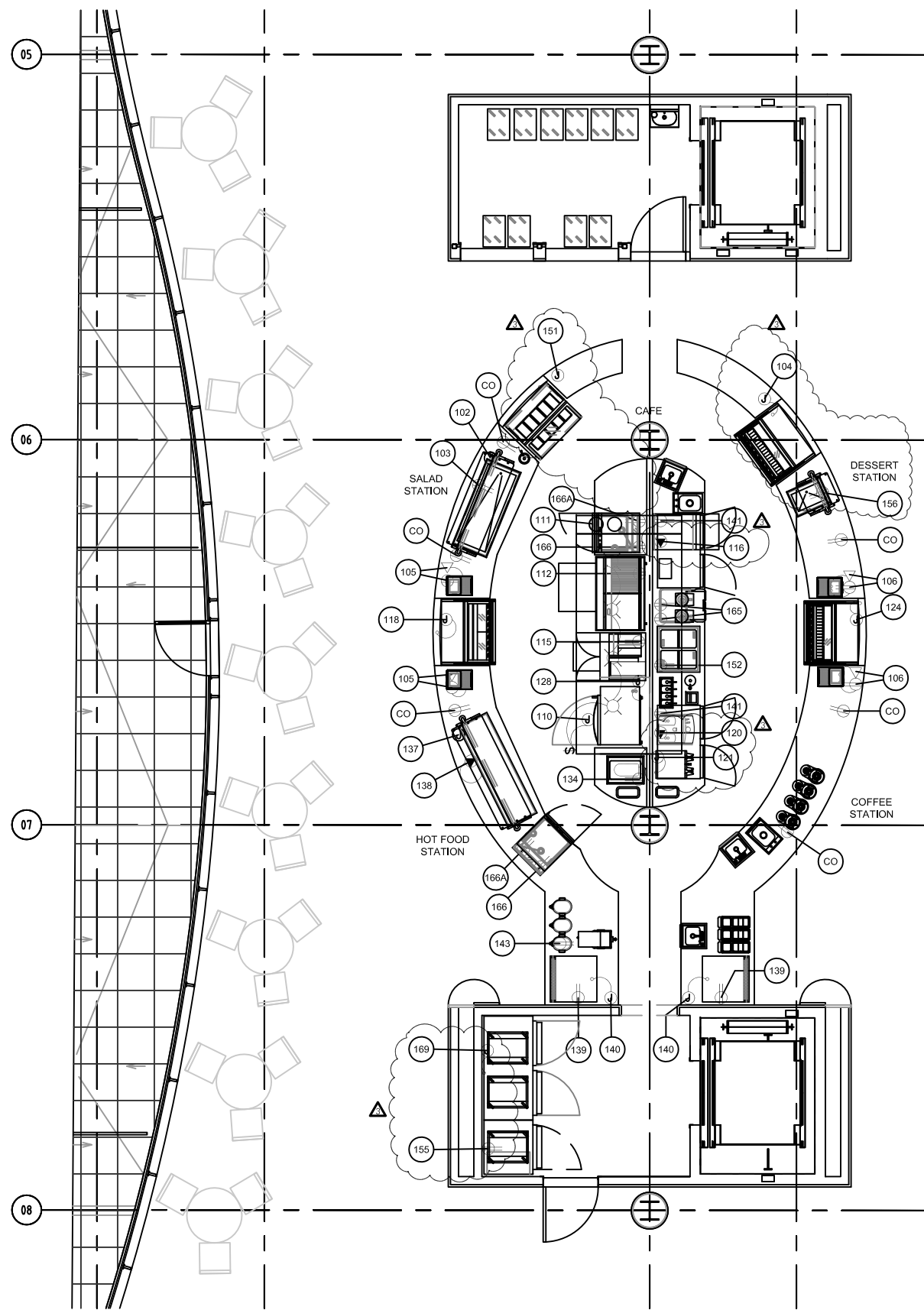
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LEVEL 2 EQUIPMENT PLUMBING PLAN  
 REF. DWG # FS1203

SHEET TITLE :

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

SHEET NUMBER :  
 FS-SK-006



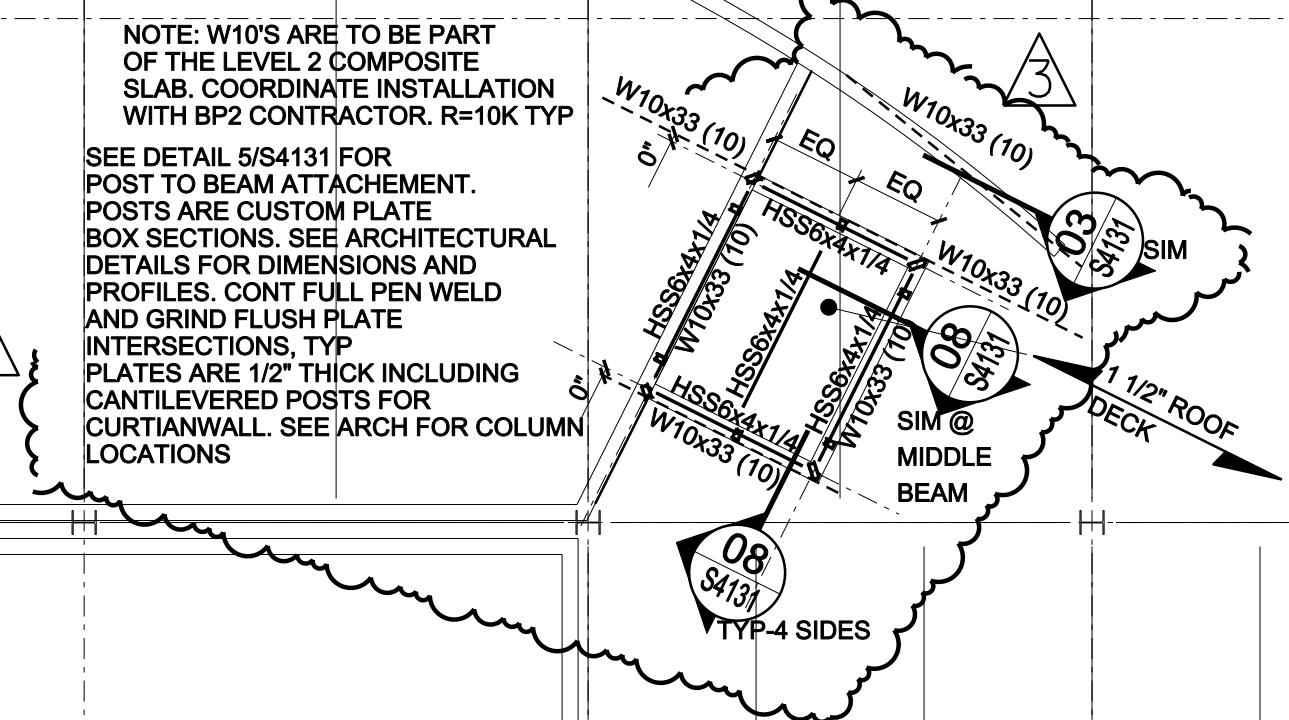
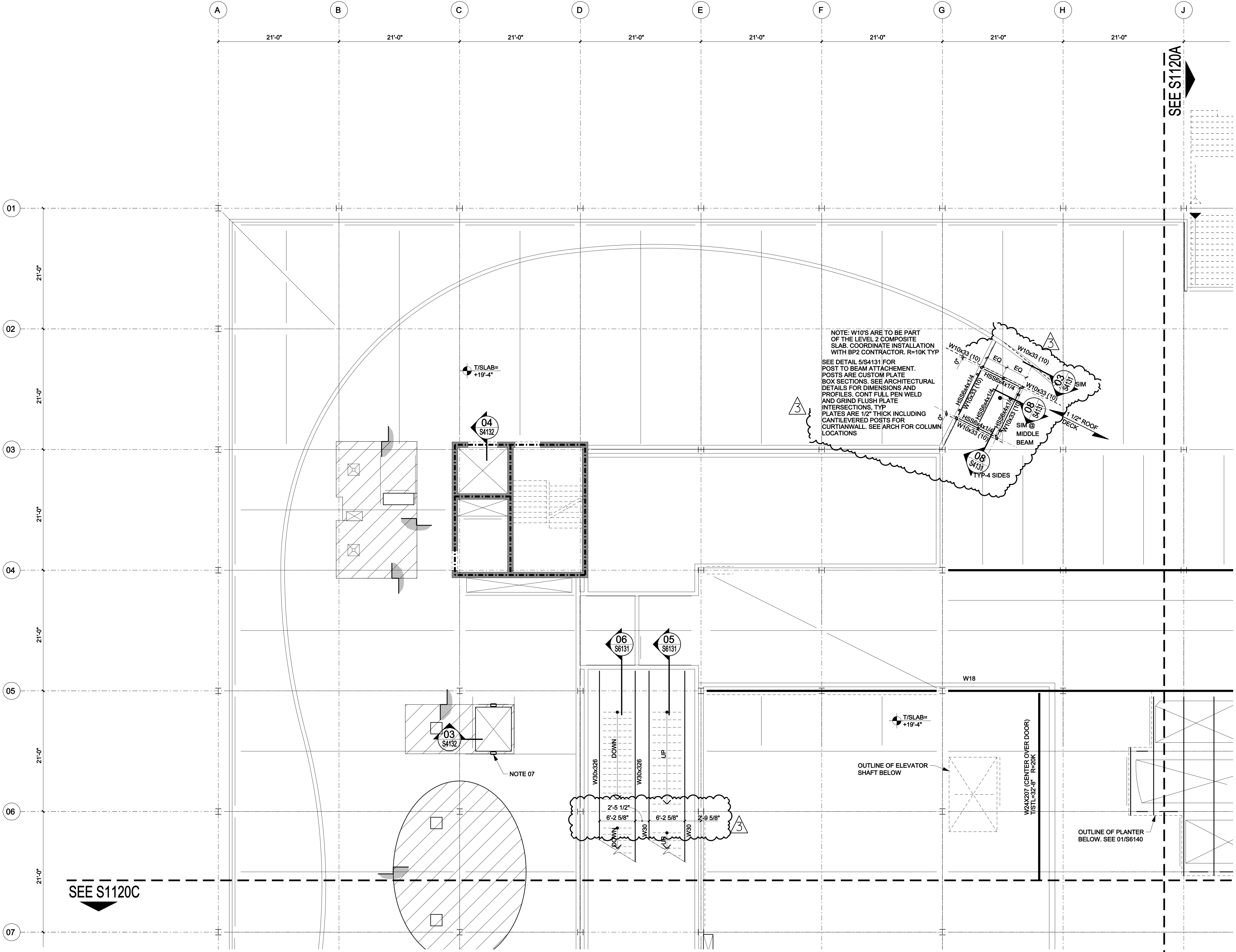
ELECTRICAL SCHEDULE									
ITEM NO	EQUIPMENT CATEGORY	AMPS	VOLTS	PHASE	DIRECT	PLUG	NEMA	ELECTRICAL AFF (IN)	ELEC REMARKS
102	DROP-IN COLD FOOD STATION	6.7	120	1		X	5-15P	18	
103	SNEEZE GUARDS	5.0	120	1	X			18	LIGHTS
104	REFRIGERATED/DRY DISPLAY CASE	11.0	115	1	X			18	
105	POINT OF SALE TERMINAL	20.0	120	1	X	X	5-20P	18	VERIFY LOAD, INCLUDES TELEPHONE AND DATA RECEPTACLES
106	POINT OF SALE TERMINAL	20.0	120	1	X	X	5-20P	18	VERIFY LOAD, INCLUDES TELEPHONE AND DATA RECEPTACLES
110	EXHAUST HOOD	20.0	120	1	X			D.F.A.	FOR LIGHTS
111	FIRE SUPPRESSION SYSTEM	20.0	120	1	X			D.F.A.	DEDICATED CIRCUIT
112	REFRIGERATED EQUIPMENT STAND	8.1	115	1		X	5-15P	18	
115	FRYER WITH FILTER & SPREADER	7.5	120			X		18	
116	TURBO CHEF OVEN	40.0	208	1		X	6-50P	18	
118	DISPLAY CASE REFRIGERATED	8.0	115	1	X			18	
120	ESPRESSO MACHINE	30.0	208	1		X	L6-30P	18	
121	COFFEE MAKER	28.7	120/208	1	X			18	
124	REFRIGERATED/DRY DISPLAY CASE	11.0	115	1	X			18	
128	ROTISSERIE	40.0	208	1	X			18	
134	SOUP WELL	4.2	120	1		X	5-15P	18	
137	SNEEZE GUARDS	5.0	120	1	X			18	LIGHTS/HEAT LAMP
138	DROP-IN HEATED SHELF	14.1	208	1	X	X	6-15P	18	
139	SODA DISPENSER	2.5	120	1	X	X	5-15P	18	VENDOR TO VERIFY LOAD
140	ICE MAKER	10.2	208	1	X			18	
141	UNDERCOUNTER REFRIGERATOR	3.3	115	1		X	5-15P	18	
143	ICED TEA BREWER	14.8	120	1	X	X	5-15P	18	MOUNTED IN COUNTER BASE
151	GELATO DISPLAY CASE	5.5	208	1	X			18	
152	ICE CREAM DISPLAY CASE	5.3	120	1		X	5-15P	18	
155	ROLL-IN REFRIGERATOR	10.6	120	1	X	X	5-15P	90	
156	DROP-IN COLD FOOD STATION	4.2	120	1	X	X	5-15P	18	
165	BLENDER	10.0	120	1		X	5-15P	18	
166	CARVING STATION	6.3	120	1	X	X	5-15P	18	
166A	UNDERCOUNTER HEATED CABINET	14.1	120	1	X	X	5-15P	18	
169	ROLL-IN HEATED CABINET	15.5	120/208	1	X	X		90	
CO	CONVENIENCE OUTLET	20.0	120	1		X	5-20P	18	

MOORE SCHOOL OF BUSINESS  
 UNIVERSITY OF SOUTH CAROLINA  
 BID PACKAGE 3  
 ENCLOSURE/SITE/MEPFP/INTERIOR  
 ADDENDUM #003  
 PROJECT NO. 655.000

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LEVEL 2 EQUIPMENT ELECTRICAL PLAN  
 REF. DWG # FS1204  
 SHEET TITLE :

SCALE :  
 1/8"=1'-0"  
 SHEET NUMBER :  
 FS-SK-007



SEE S1120C

SEE S1120A  
SEE S1120B

SEE S1120C  
SEE S1120B

LEGEND:  
- - - 2-HOUR FIRE RESISTANCE RATED STRUCTURAL WALL. SEE ARCH. DWGS FOR NON-STRUCTURAL FIRE RESISTANCE RATED WALLS.

- SHEET NOTES:
- 01. ITEMS NOT SPECIFICALLY INDICATED OR DETAILED ARE PART OF BID PACKAGE 2 (BP2). BP2 ITEMS ARE INDICATED BY LIGHT LINE WEIGHTS IN PLAN AND SECTION. BP2 IS AVAILABLE ELECTRONICALLY ON USFS NETWORK FOR COMPARISON.
  - 02. ALL ELEVATIONS ARE GIVEN RELATIVE TO ABSOLUTE DATUM OF 252'-8" (MSL). COORDINATE WITH ARCH. AND CIVIL DRAWINGS.
  - 03. TOP OF SLAB ELEVATIONS ARE APPROXIMATE. SEE ARCH. DWGS FOR TOP OF SLAB ELEVATIONS, SLAB SLOPES, AND EDGE OF SLAB DIMENSIONS.
  - 04. SEE S0 SERIES FOR STRUCTURAL NOTES.
  - 05. SEE S2 SERIES FOR FOUNDATION SECTIONS AND DETAILS.
  - 06. SEE S4 SERIES FOR FRAMING SECTIONS AND DETAILS.
  - 07. ELEVATOR GUIDERAIL BACKUP POST. SEE 01/5/13Z. BP2 CONTRACTOR TO COORDINATE NUMBER AND LOCATION WITH BP3 CONTRACTOR. BP3 CONTRACTOR TO COORDINATE NUMBER AND LOCATION WITH ELEVATOR SUPPLIER.
  - 08. 6 1/4" LIGHT WEIGHT STRUCTURAL COMPOSITE CONCRETE SLAB W/ STEEL FIBER REINFORCING AND 3" COMPOSITE DECK (6 1/4" TOTAL DEPTH). STEEL DECK IS 20 GAUGE (BP2). TOPPING SLABS ARE 4" MIN LIGHT WT CONCRETE. INFILL VESTIBULES PER DETAIL 11/S4132.
  - 09. INFILL BELOW STAIR WITH 1 1/2" TYPE B ROOF DECK SUPPORTED ON L4x4x1/4 CONTINUOUS ANGLES WELDED TO THE STRINGER WEBS.
  - 11. PRIMARY SUPPORT OF THE OPERABLE WALL IS PROVIDED BY THE SPECIFIED W24. SUPPORT FOR THE WALL IN THE STORED CONDITION SHALL BE DESIGNED AND INSTALLED BY THE WALL SUPPLIER.

USC BUSINESS PARTNERSHIP FOUNDATION  
ON BEHALF OF  
USC CAMPUS PLANNING & CONSTRUCTION

PROJECT NAME:  
UNIVERSITY OF SOUTH CAROLINA  
DARLA MOORE SCHOOL OF BUSINESS CONSTRUCTION

DSE PROJECT NUMBER:  
H27-6069-AC-3

743 GREENE STREET  
COLUMBIA, SC 29298  
TEL: 803 777 4022 FAX: 803 777 0484

ARCHITECT:  
RAFAEL VINDLY ARCHITECTS PC  
50 VANDIAM STREET  
NEW YORK, NY 10013  
TEL: 212 924 5060 FAX: 212 924 5058

STRUCTURAL ENGINEER, MEP ENGINEER,  
CIVIL ENGINEER, FIRE PROTECTION  
ENGINEER:  
STEVENS & WILKINSON, SC  
1501 MAIN STREET, FLOOR G  
COLUMBIA, SC 29201-5801  
TEL: 803 765 0320 FAX: 803 254 6209

TELECOMMUNICATIONS, AUDIOVISUAL & ACOUSTICS:  
JAFFE HOLDEN ACOUSTICS, INC.  
114A WASHINGTON STREET  
NORWALK, CT 06854-3007  
TEL: 203 838 4167 FAX: 203 838 4168

LANDSCAPE ARCHITECT:  
GRUMBALL-COTTELL ASSOCIATES  
600 BELTLINE BOULEVARD  
COLUMBIA, SC 29205  
TEL: 803 738 9525 FAX:

SURVEYOR:  
BP BARBER & ASSOCIATES, INC.  
101 RESEARCH DRIVE  
COLUMBIA, SC 29202-1116  
TEL: 803 429 4028 FAX:

BUILDING CODE:  
HUGHES ASSOCIATES  
3610 COMMERCE DRIVE, SUITE 817  
BALTIMORE, MD 21227-1652  
TEL: 410 737 8677 FAX: 410 737 8688

LIGHTING DESIGNER:  
ONE LUX STUDIO, LLC  
39 WEST 13TH STREET  
NEW YORK, NY 10011  
TEL: 212 201 5792 FAX: 212 675 3700

FOOD & WASTE MANAGEMENT:  
WILLIAM CARUSO & ASSOCIATES, INC.  
8955 EAST TUPES AVE, SUITE 1520  
DENVER, CO 80237  
TEL: 303 649 1600 FAX: 303 649 1660

SIGNAGE & WAYFINDING:  
RAFAEL VINDLY ARCHITECTS PC  
50 VANDIAM STREET  
NEW YORK, NY 10013  
TEL: 212 924 5060 FAX: 212 924 5058

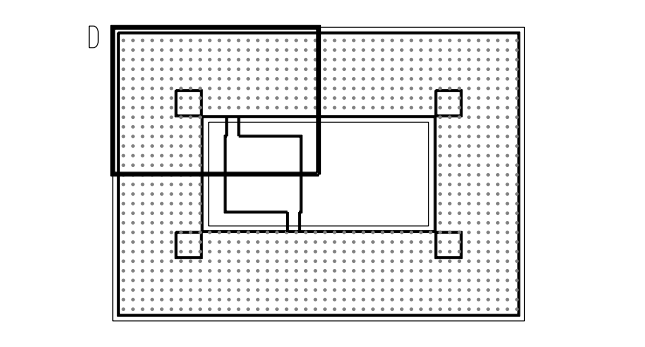
SPECIFICATIONS:  
ROBERT SCHWARTZ & ASSOCIATES  
589 8TH AVE., 17TH FLOOR  
NEW YORK, NY 10018  
TEL: 212 691 3248 FAX: 212 633 1613

BID PACKAGE 3  
ENCLOSURE/SITE/MEPFP/INTERIOR  
MAY 14, 2012

PHASE:

SEAL & SIGNATURE

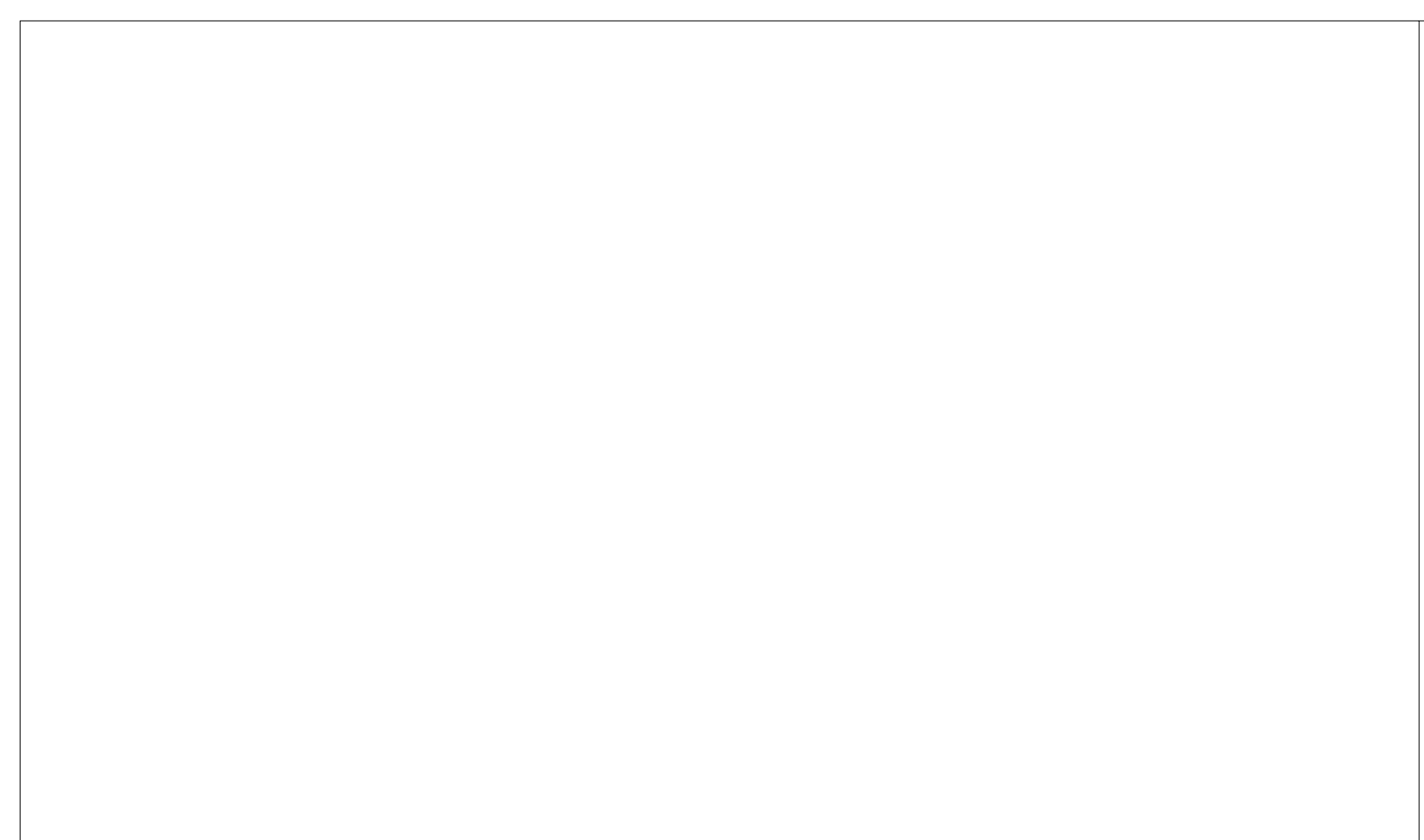
ISSUE NO.	ISSUE DATE	ISSUE NO.	ISSUE DATE	ISSUE NO.	ISSUE DATE
1		2		3	
4		5		6	
7		8		9	
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13	2012 01 04				



KEY PLAN & NORTH SIGN  
1/8" = 1' - 0"

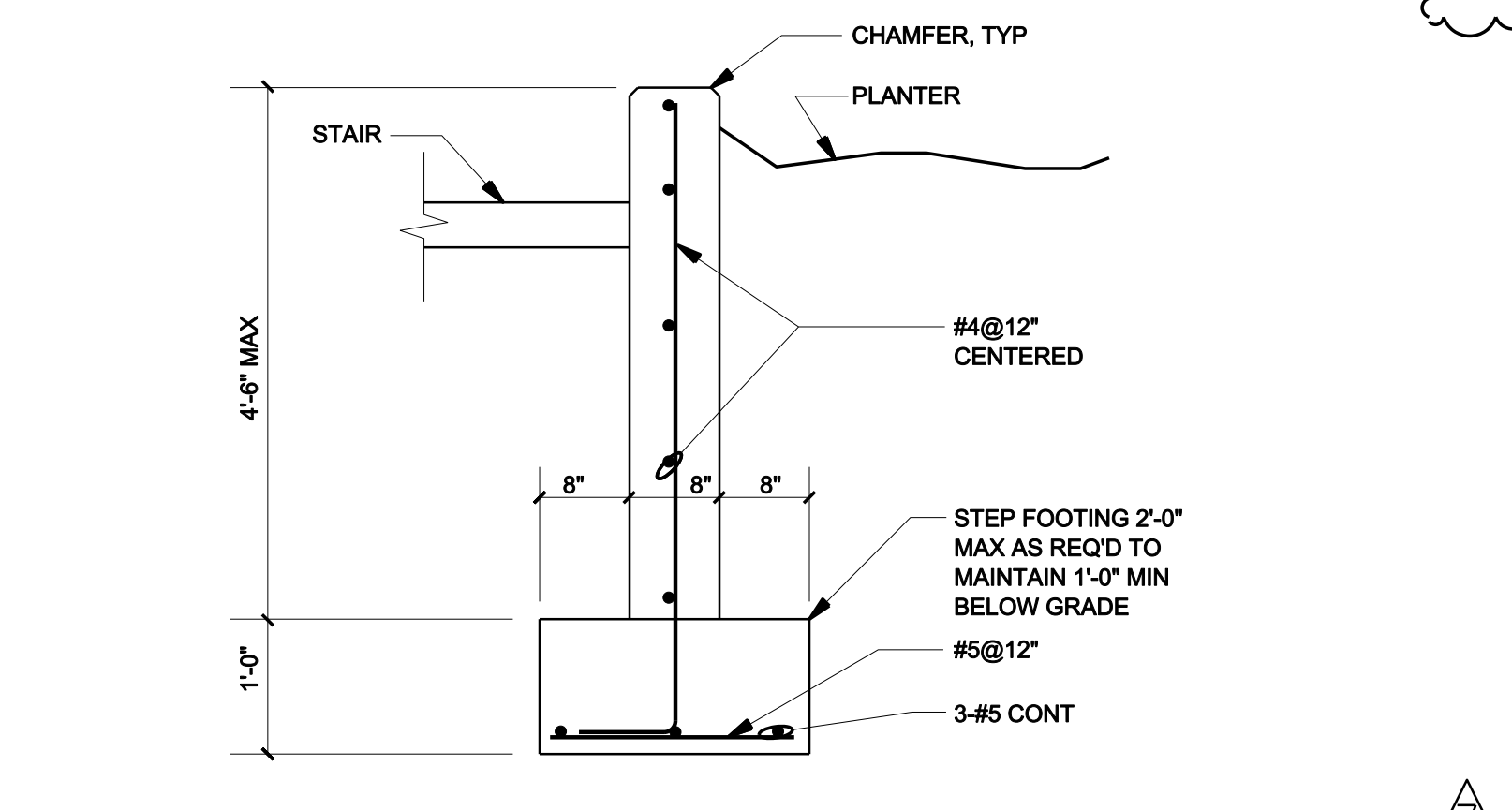
FRAMING PLAN  
LEVEL 2  
ZONE D

SHEET TITLE:  
S1120D\_bp3  
SHEET NUMBER:



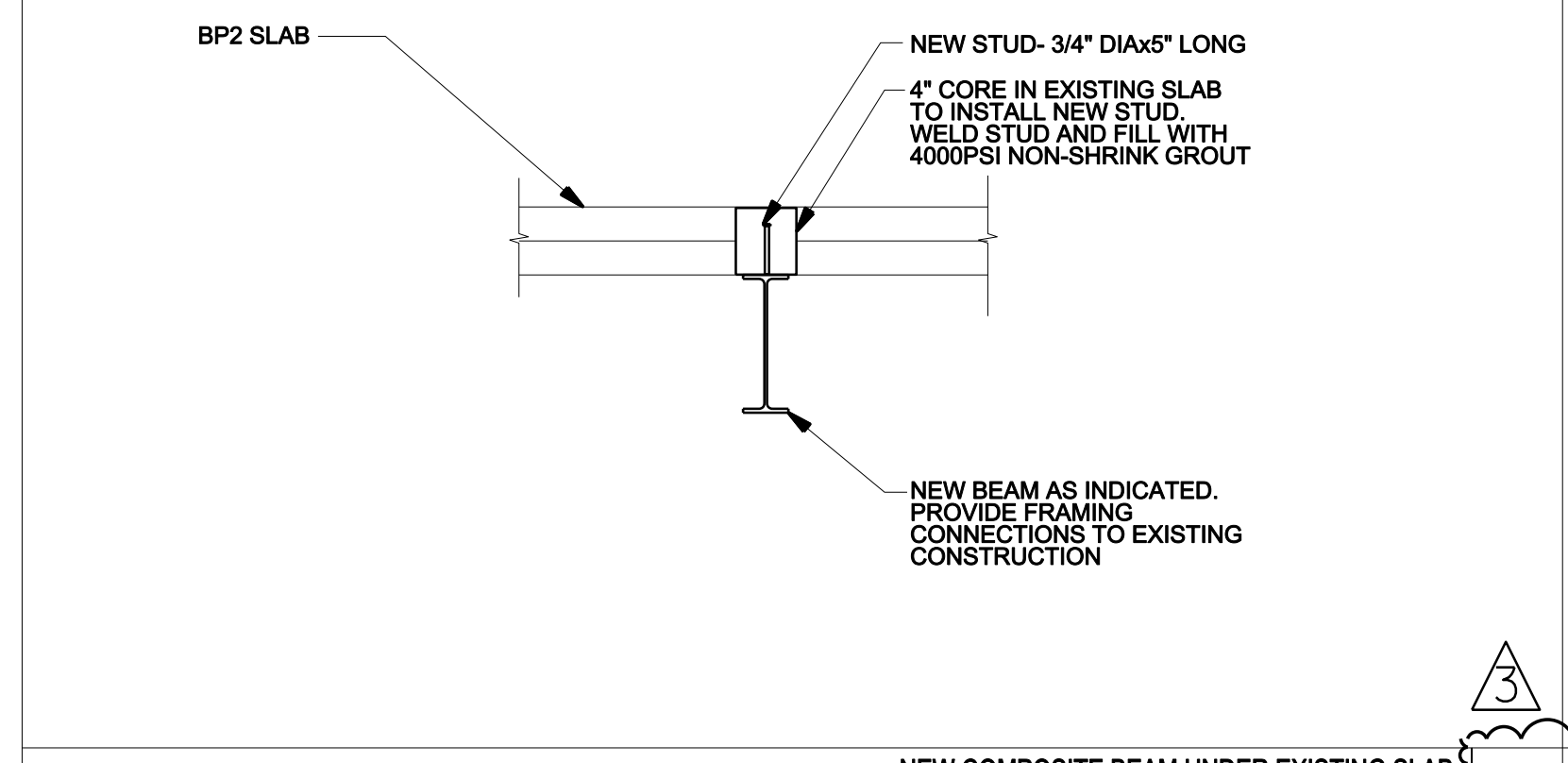
PARK ST STAIR SIDE WALLS AT BOTTOM OF STAIRS

13



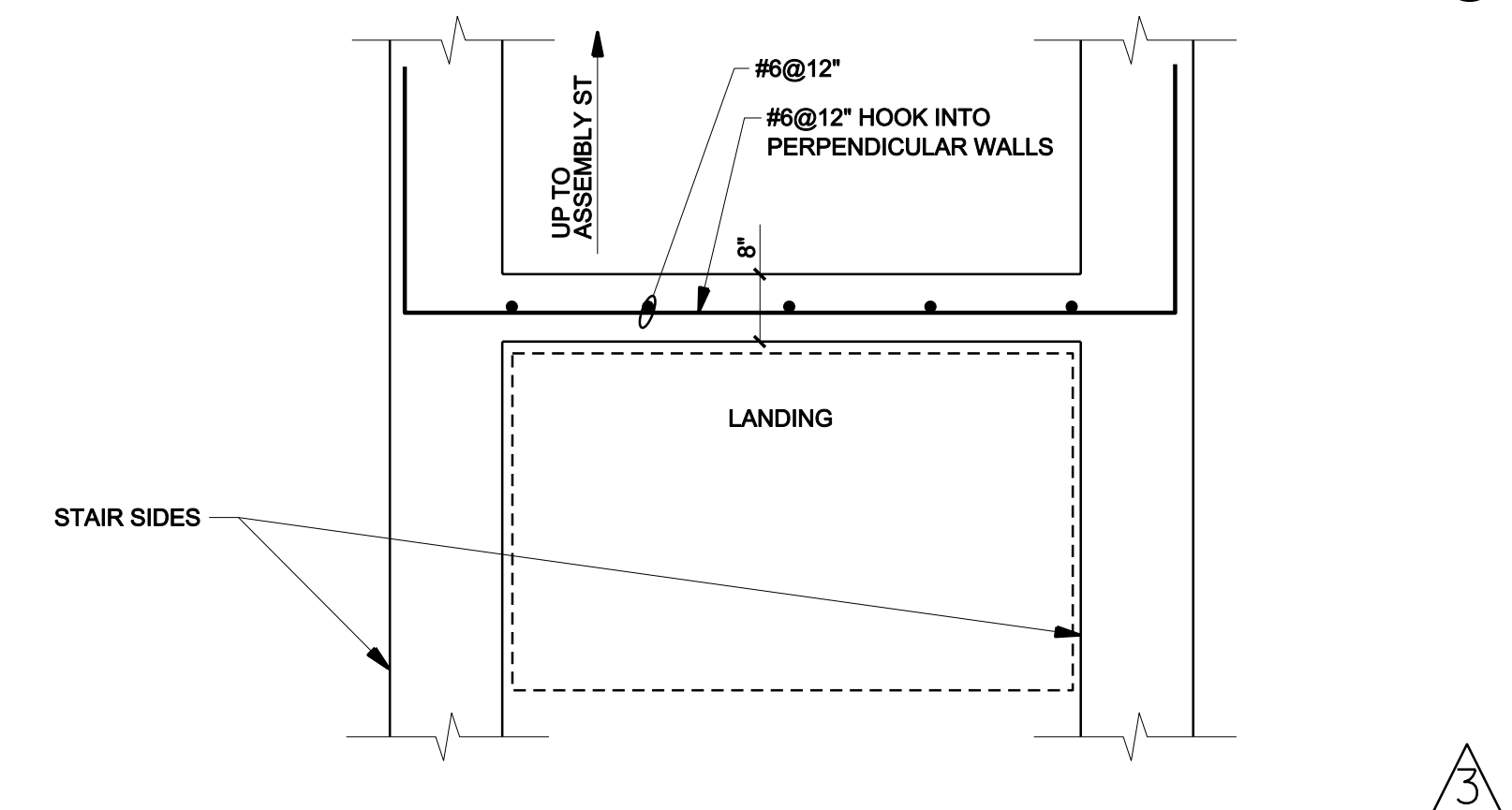
PARK ST STAIR PLANTER DIVIDERS

12



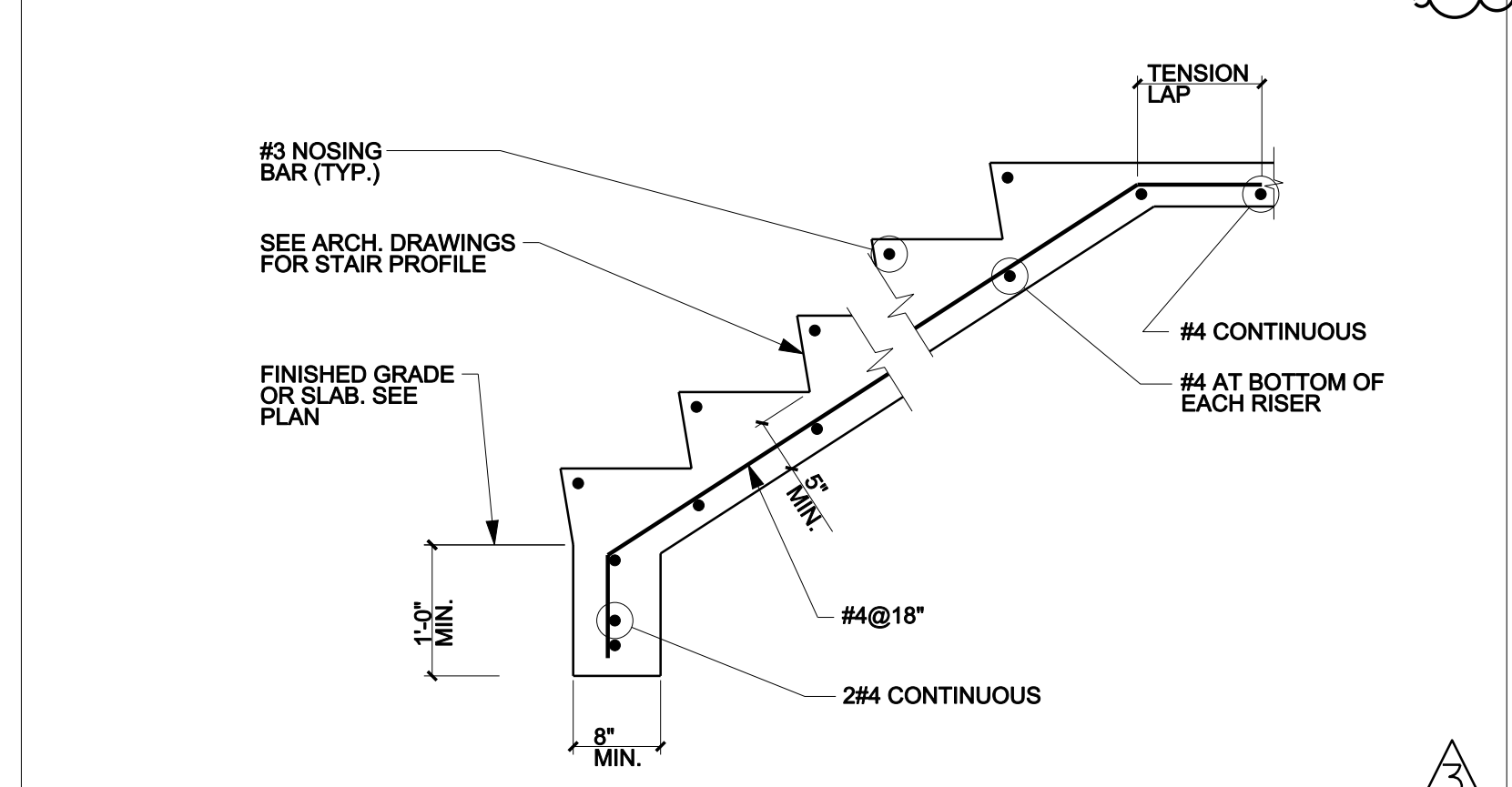
NEW COMPOSITE BEAM UNDER EXISTING SLAB

16



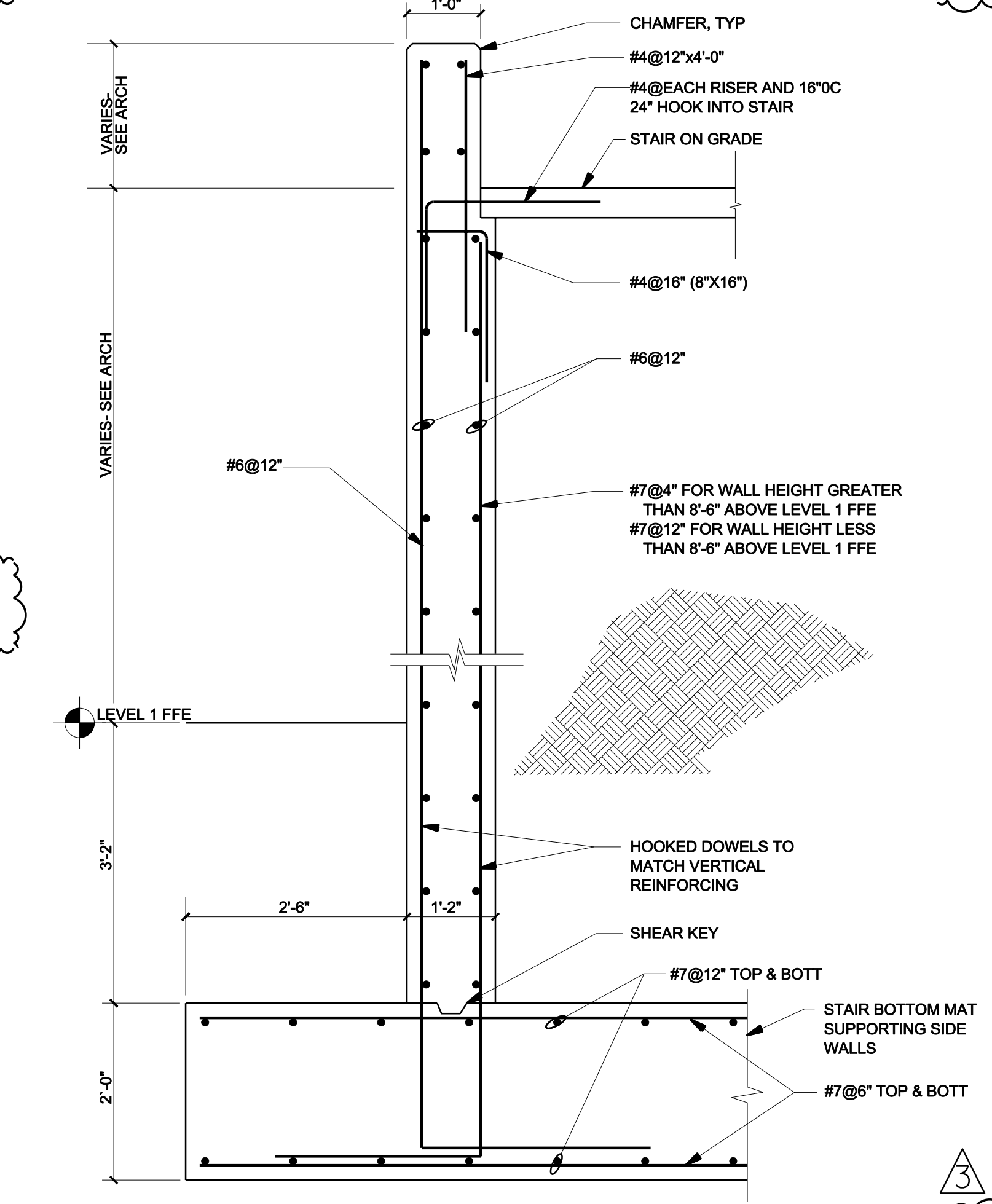
ASSEMBLY ST STAIR LANDING PLAN

11



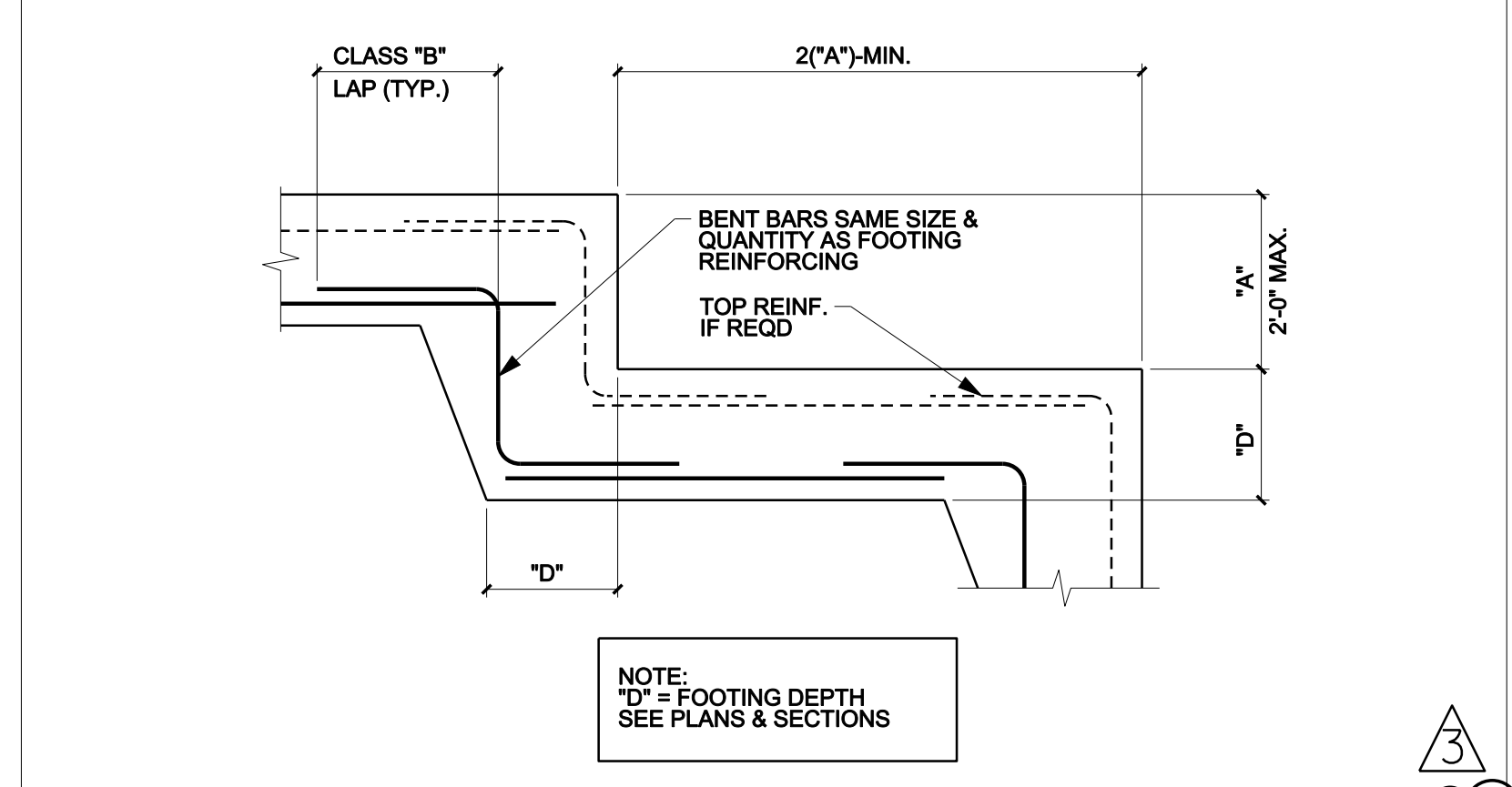
TYPICAL CONCRETE STAIR ON GRADE

15



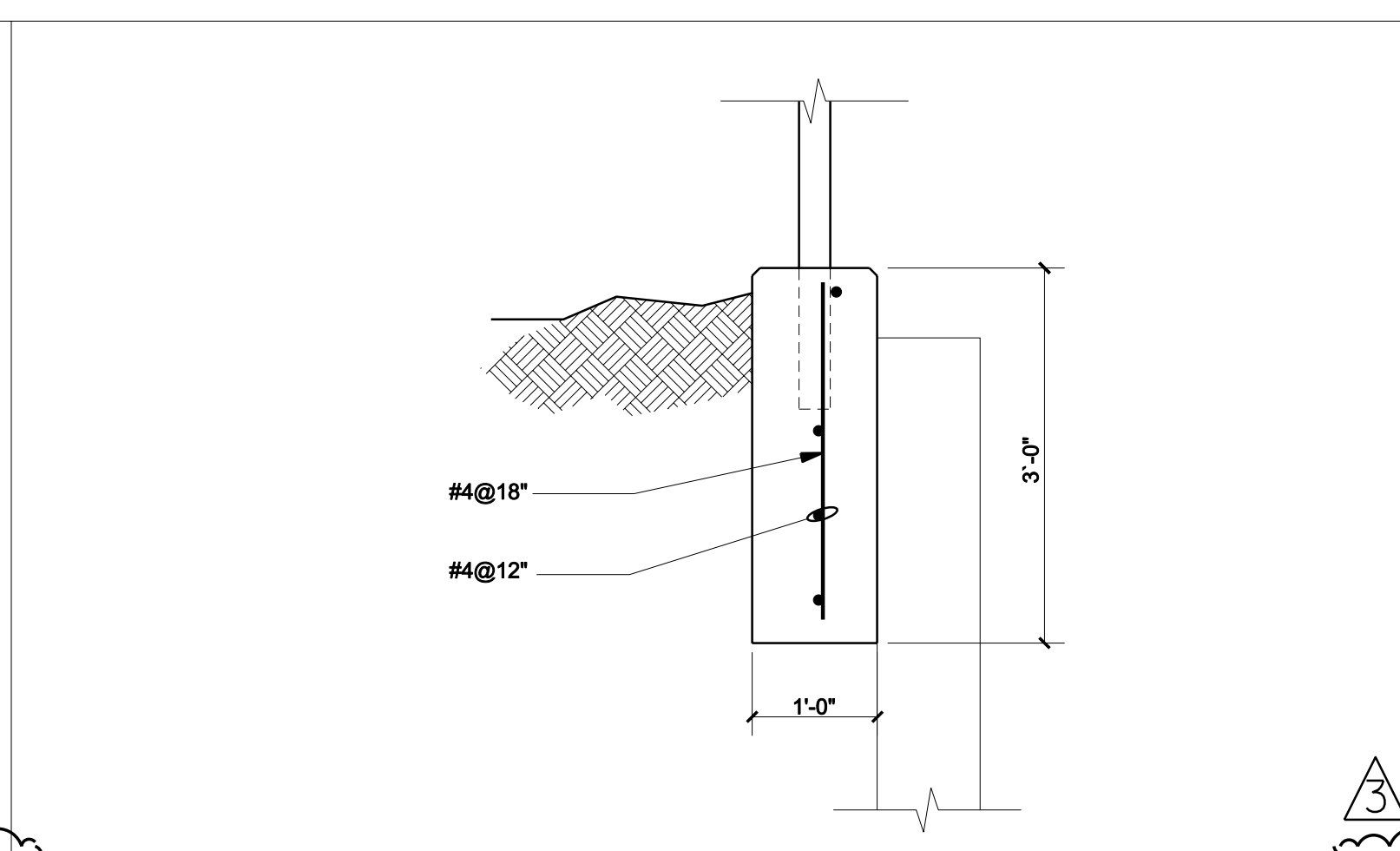
ASSEMBLY ST STAIR SECTION

10



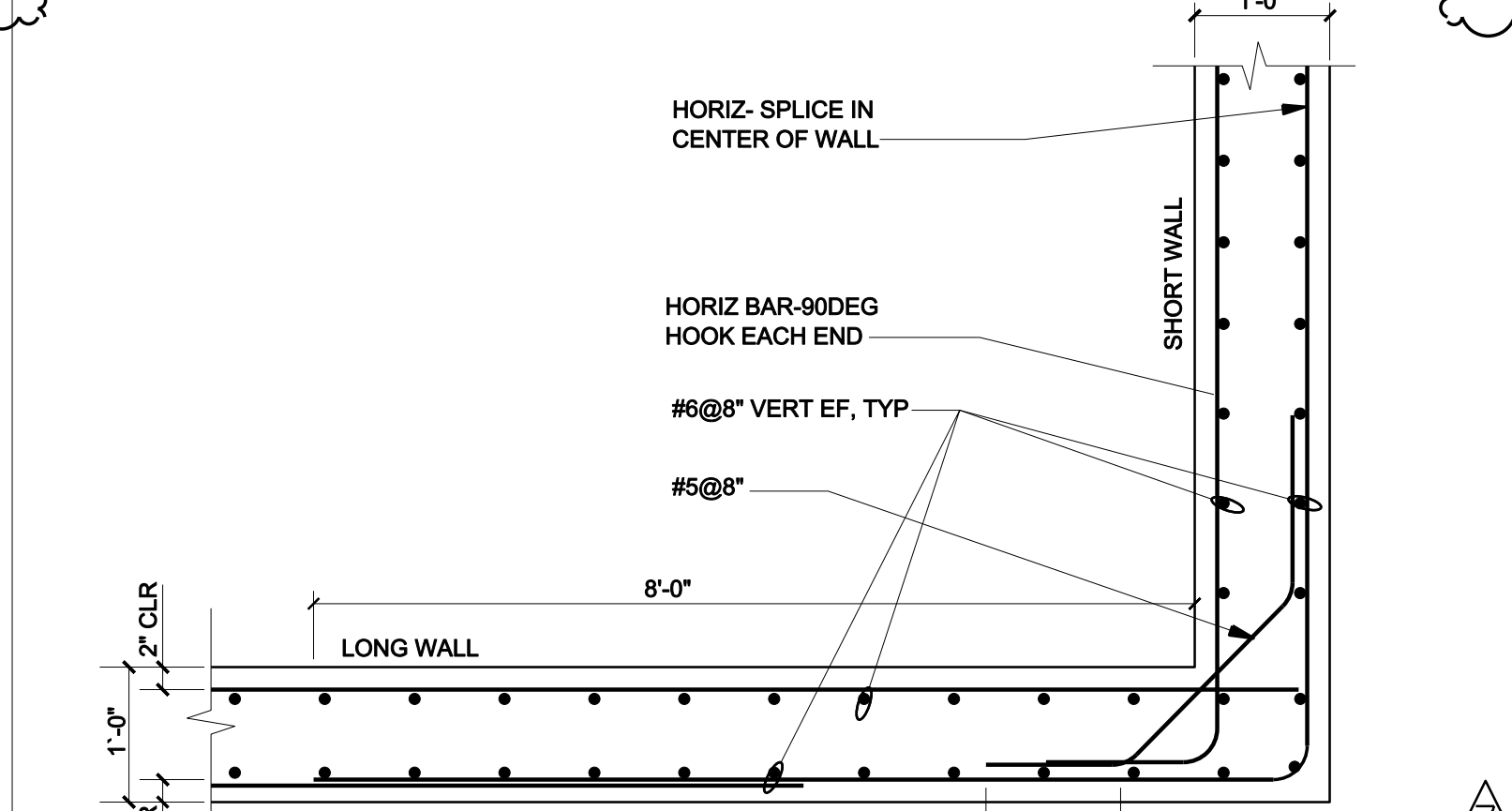
TYPICAL STEP FOOTING DETAIL

14



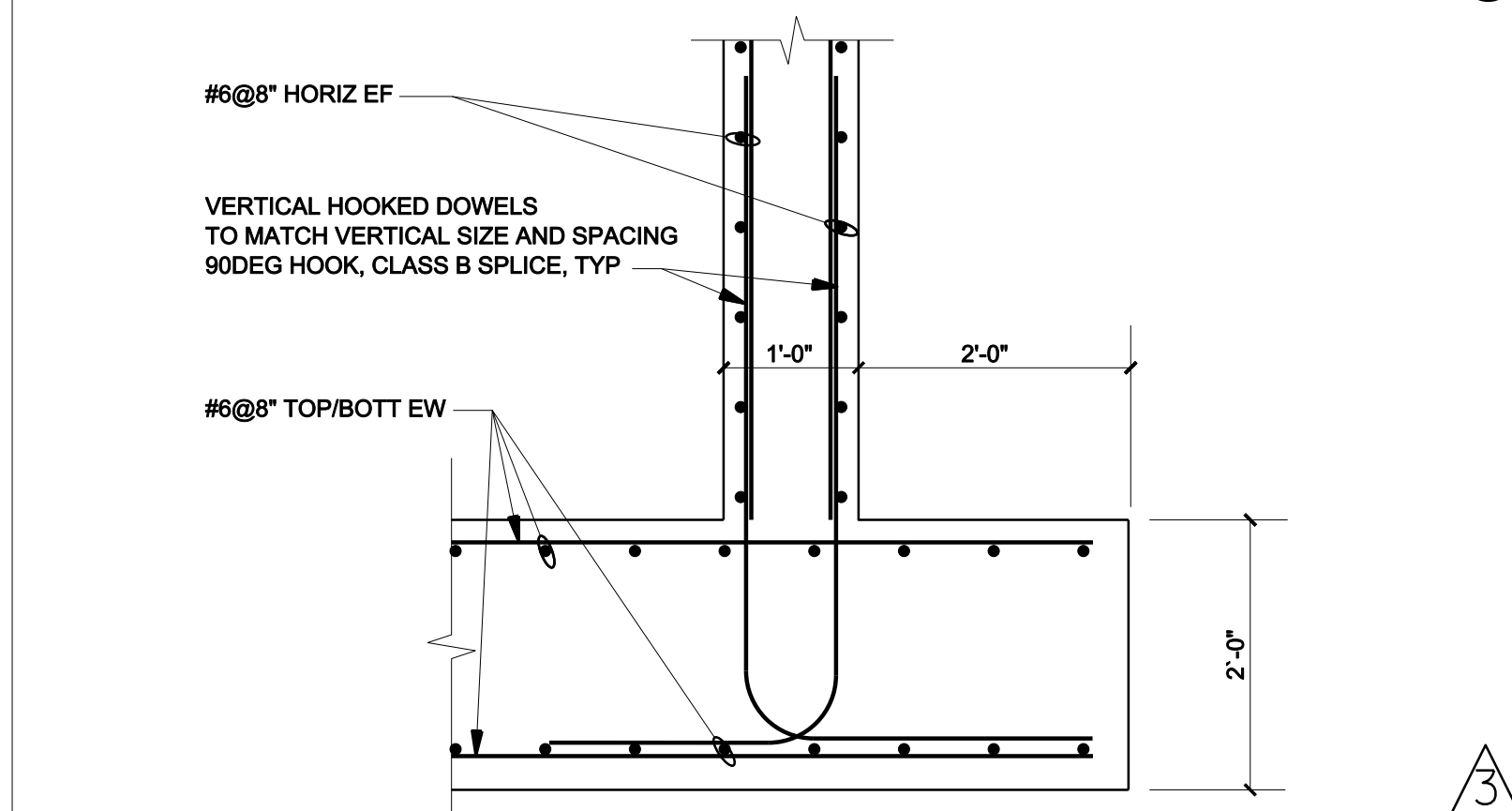
SITE GUARDRAIL AT RETAINING WALL

09



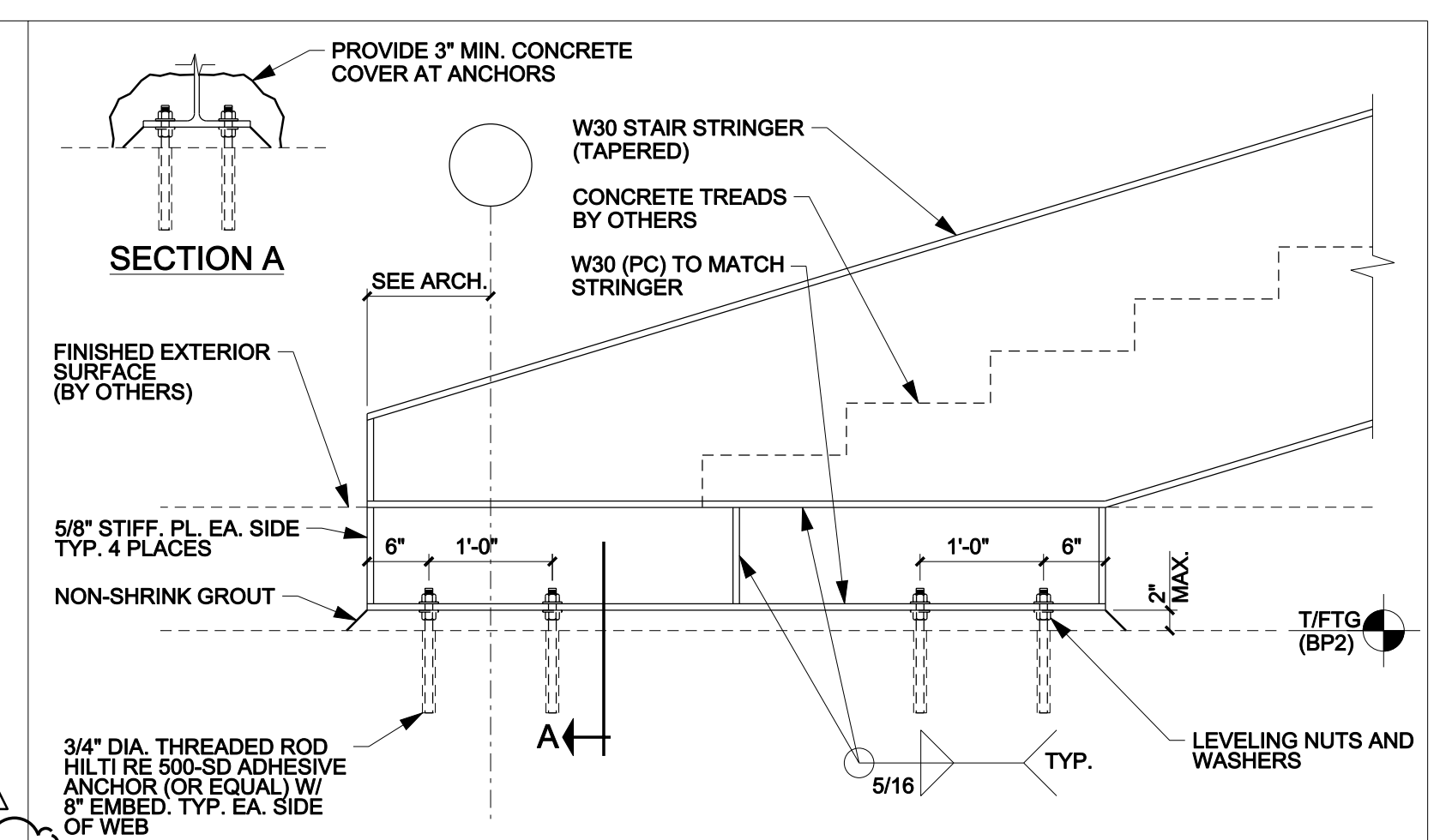
TRANSFORMER PIT PLAN

08

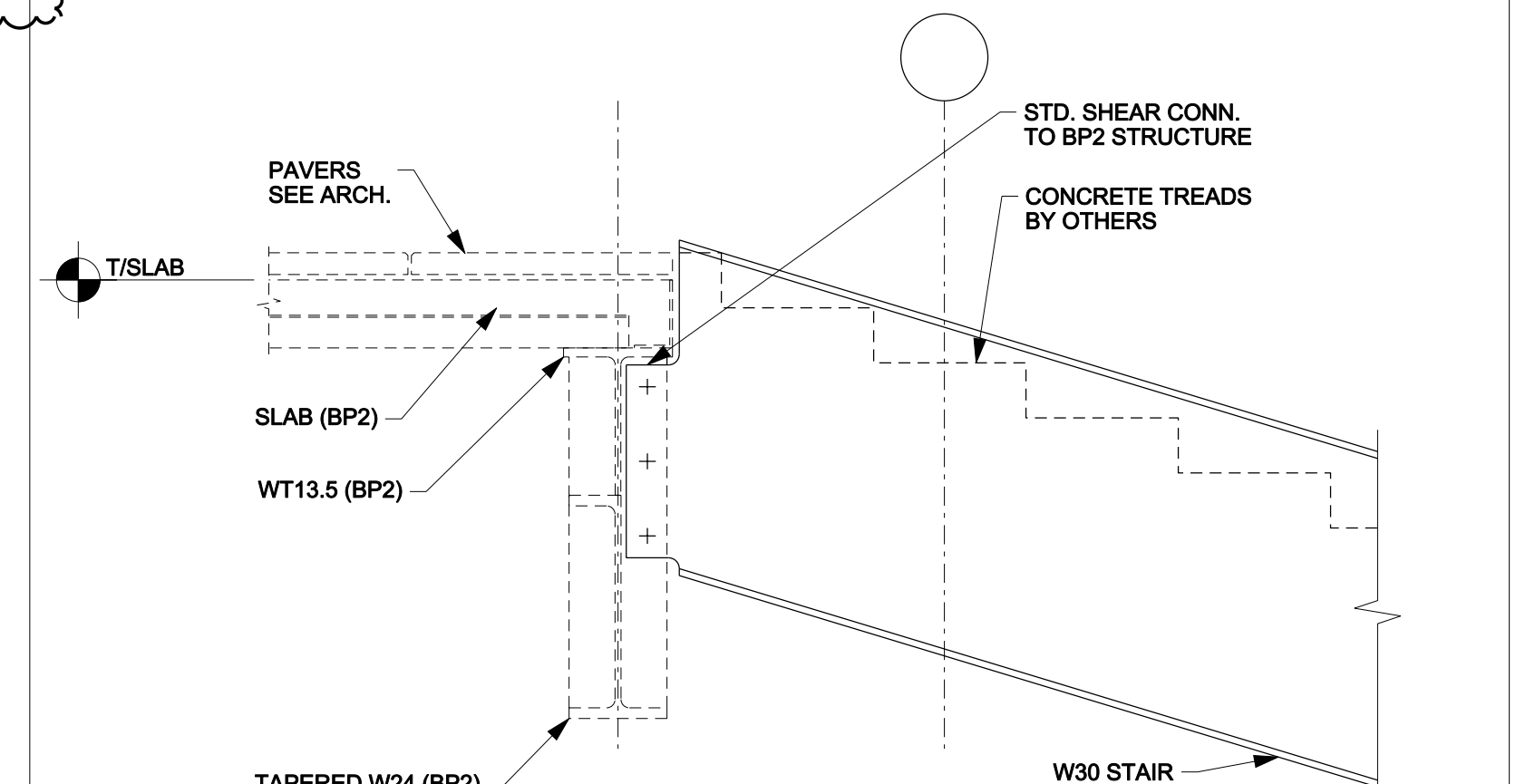


TRANSFORMER PIT SECTION

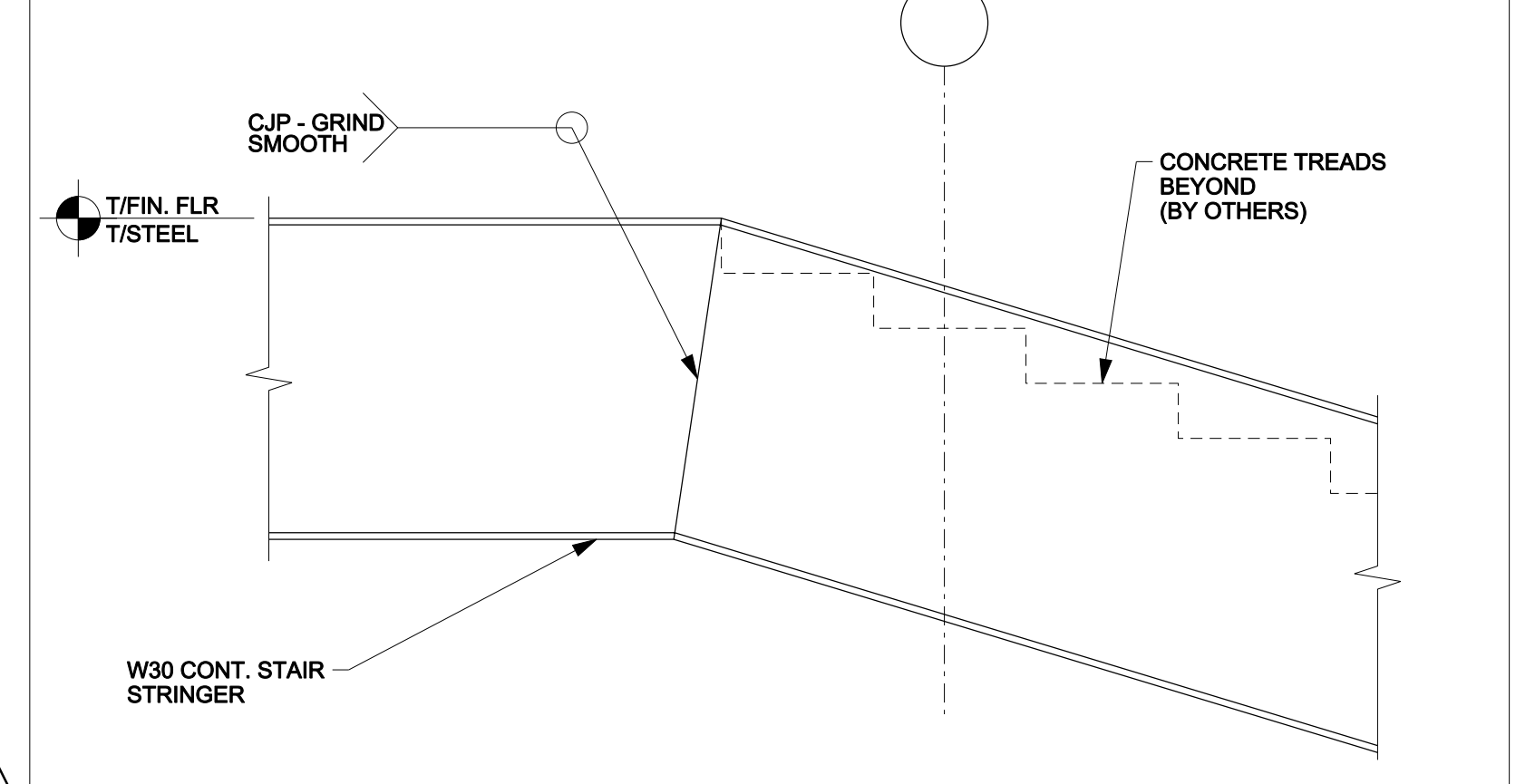
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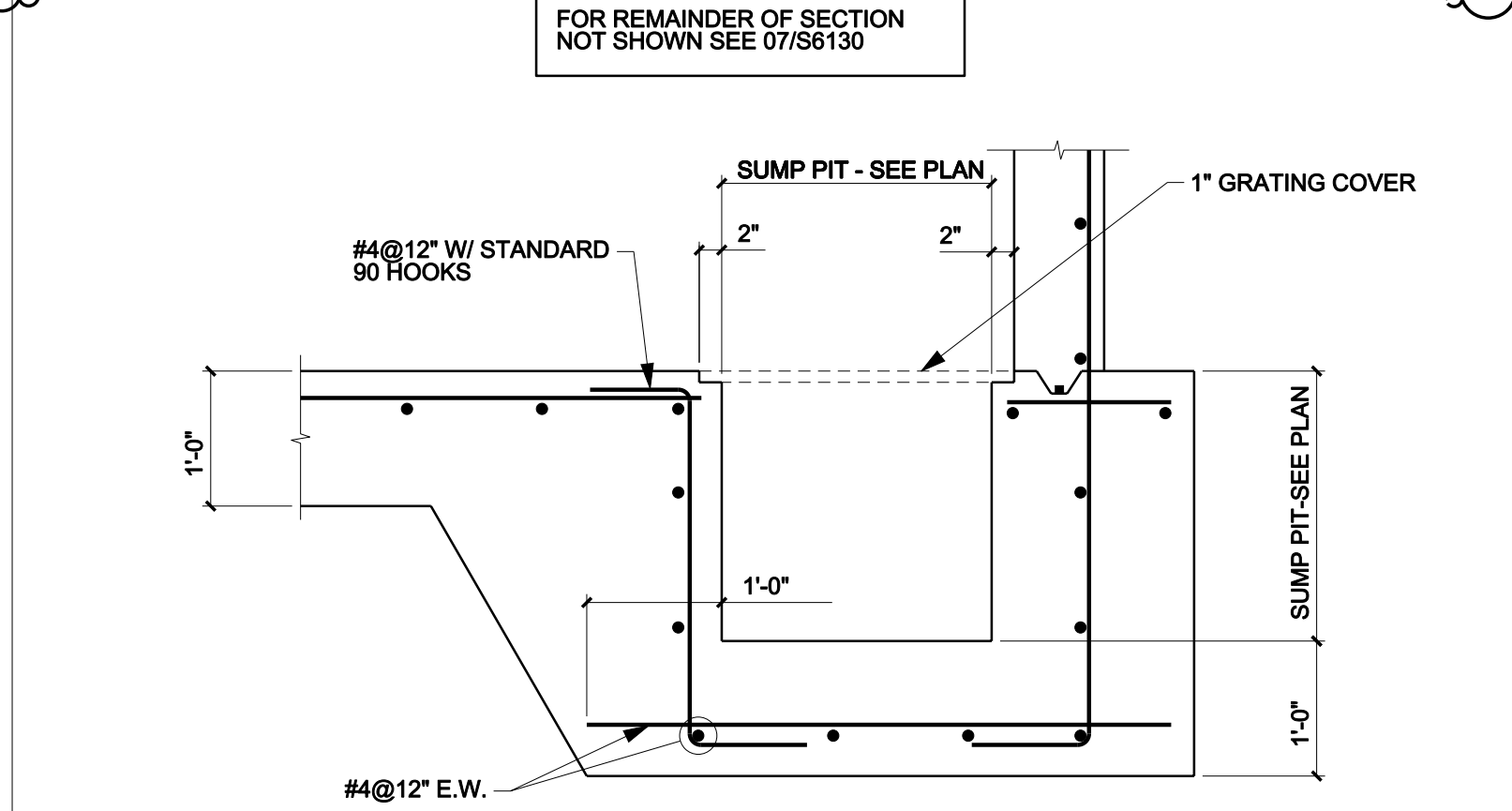
SECTION 05



SECTION 04

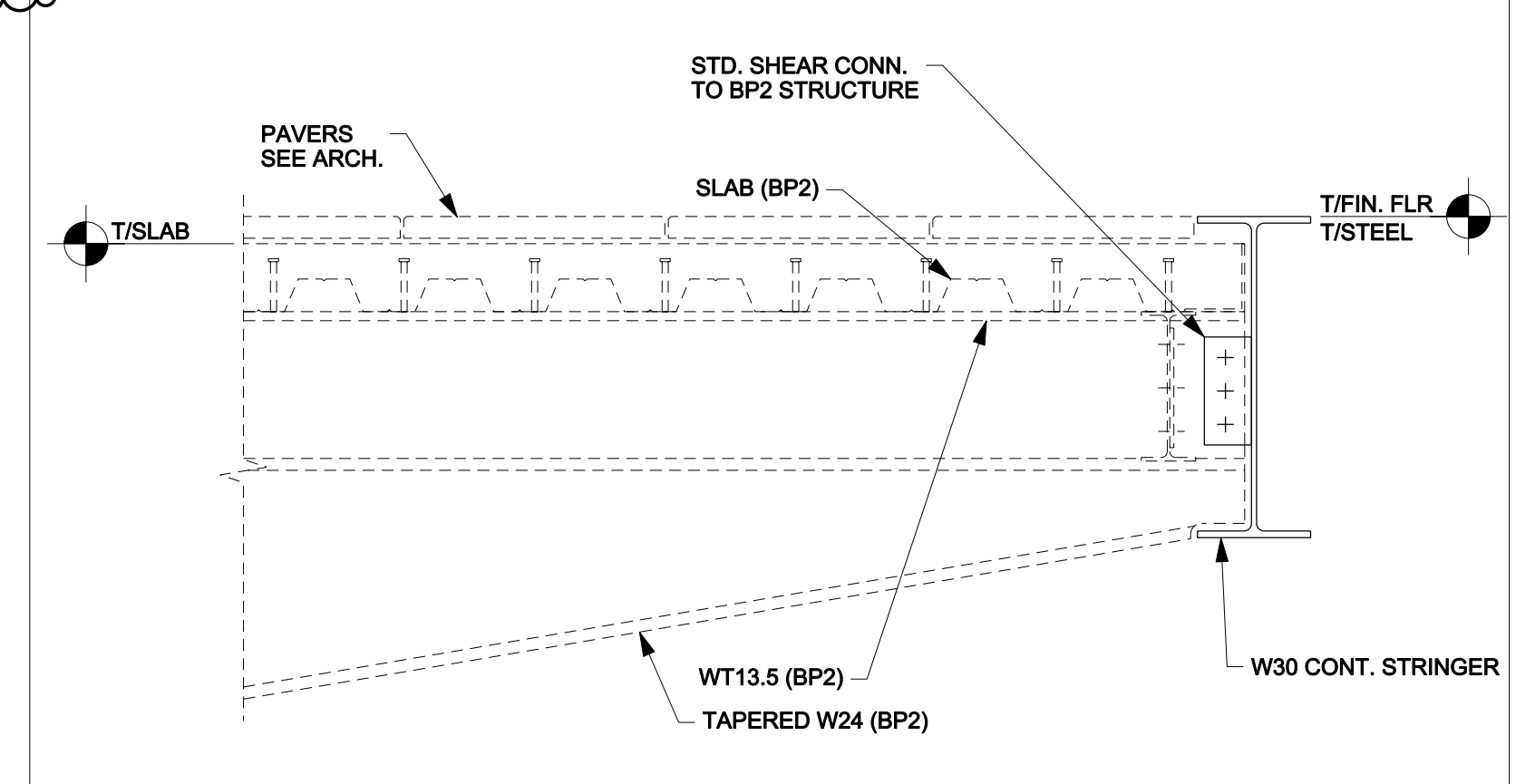


SECTION 03

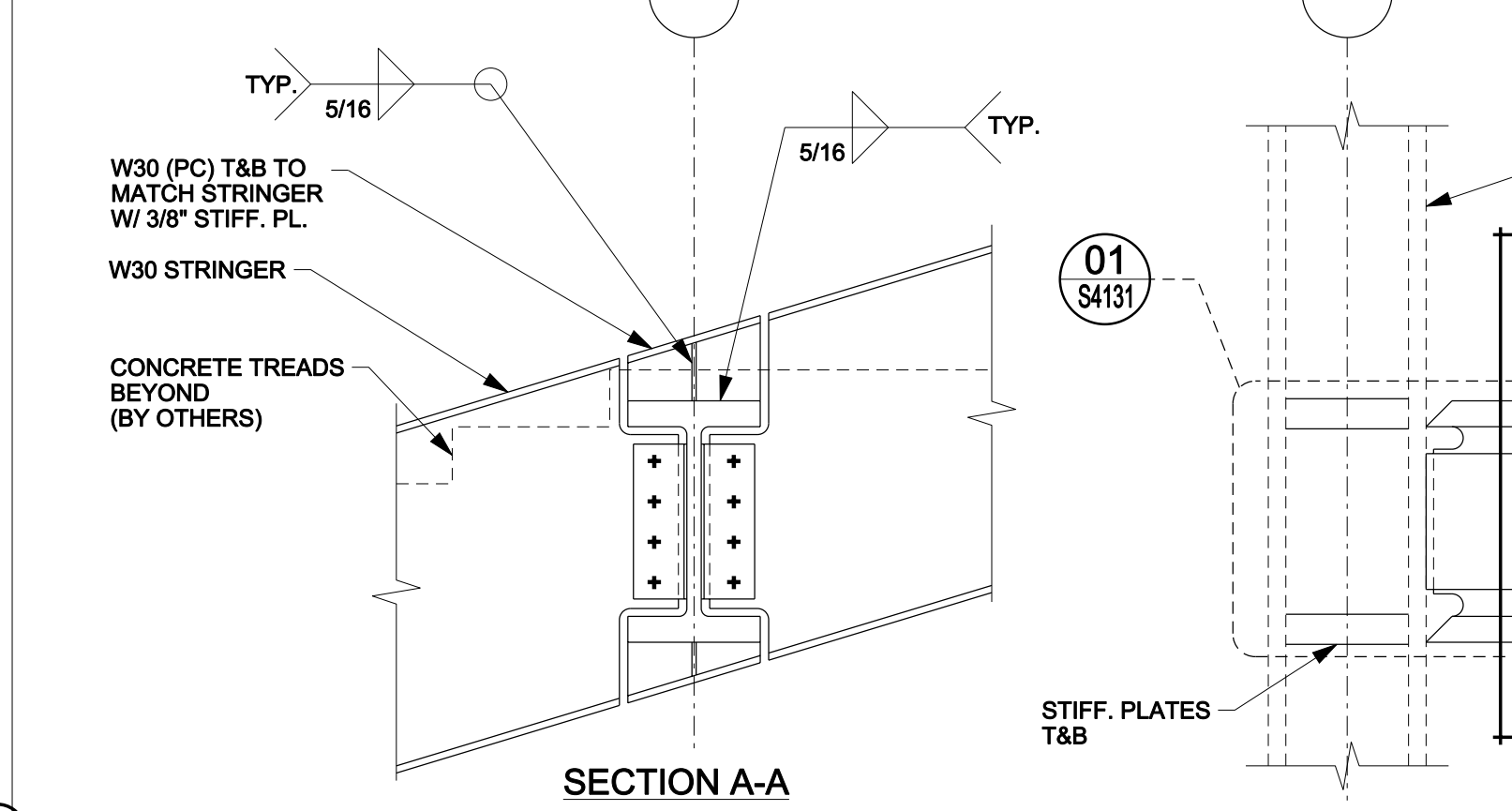


TRANSFORMER SUMP PIT

06

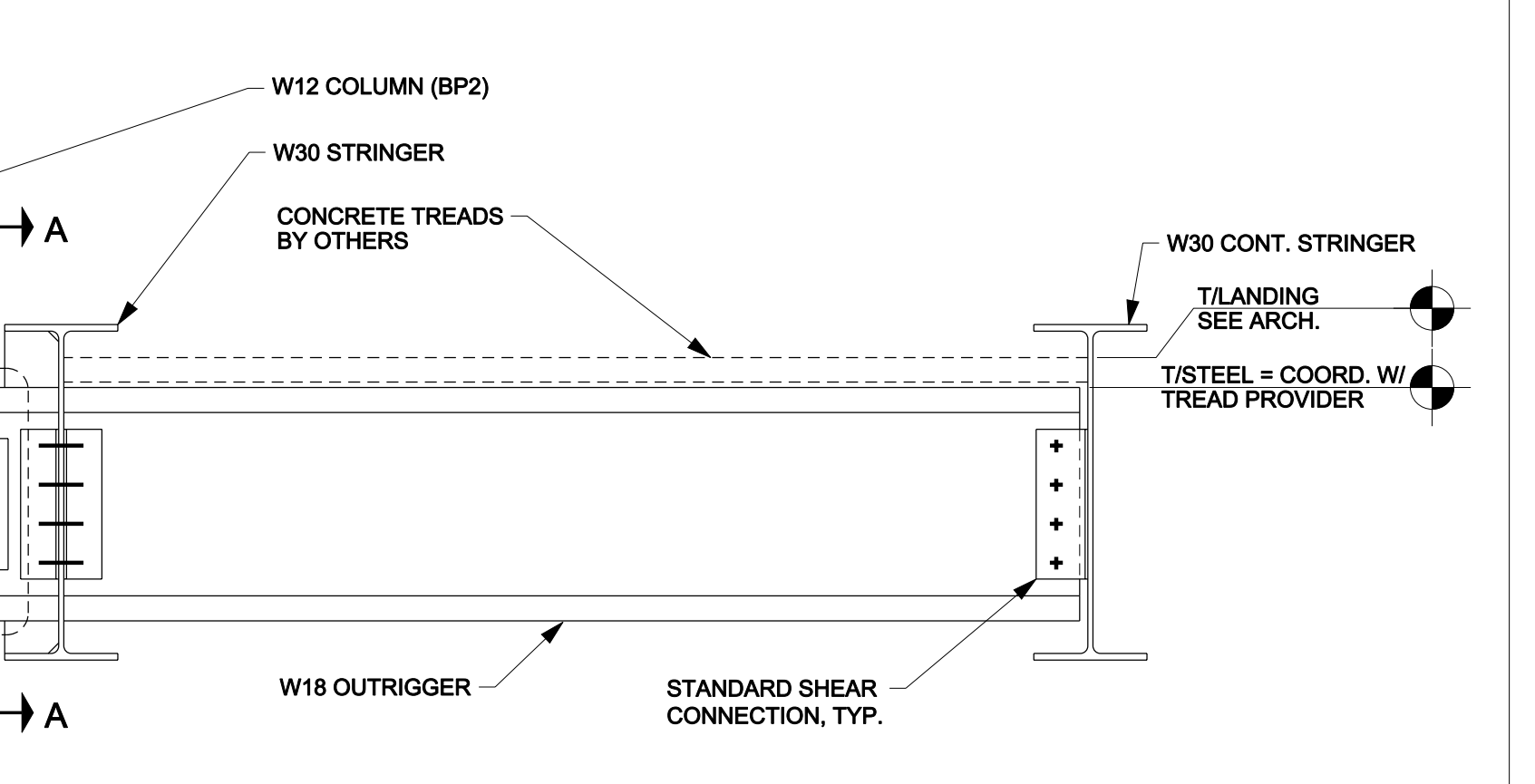


SECTION 02



SECTION A-A

01



SECTION 01

USC BUSINESS PARTNERSHIP FOUNDATION  
ON BEHALF OF  
USC CAMPUS PLANNING & CONSTRUCTION

PROJECT NAME  
UNIVERSITY OF SOUTH CAROLINA  
DARLA MOORE SCHOOL OF BUSINESS CONSTRUCTION

DSE PROJECT NUMBER  
H27-6069-AC-3

743 GREENE STREET  
COLUMBIA, SC 29298  
TEL: 803 777 4022 FAX: 803 777 0484

ARCHITECT  
RAFAEL VINDLY ARCHITECTS PC  
50 VANDIAM STREET  
NEW YORK, NY 10013  
TEL: 212 924 5860 FAX: 212 924 5858

STRUCTURAL ENGINEER, MEP ENGINEER,  
CIVIL ENGINEER, FIRE PROTECTION  
ENGINEER  
STEVENS & WILKINSON, SC  
1501 MAIN STREET, FLOOR G  
COLUMBIA, SC 29201-5801  
TEL: 803 765 0320 FAX: 803 254 6209

TELECOMMUNICATIONS, AUDIOVISUAL & ACoustICS  
JAFFE HOLDEN AcoustICS, INC.  
114A WASHINGTON STREET  
NORWALK, CT 06854-3007  
TEL: 203 938 4167 FAX: 203 938 4168

LANDSCAPE ARCHITECT  
GRUMBALL-COTTELL ASSOCIATES  
600 BELTLINE BOULEVARD  
COLUMBIA, SC 29205  
TEL: 803 738 9525 FAX:

SURVEYOR  
BP BARBER & ASSOCIATES, INC.  
101 RESEARCH DRIVE  
COLUMBIA, SC 29202-1116  
TEL: 803 429 4028 FAX:

BUILDING CODE  
HUGHES ASSOCIATES  
3610 COMMERCE DRIVE, SUITE 817  
BALTIMORE, MD 21227-1652  
TEL: 410 737 8677 FAX: 410 737 8688

LIGHTING DESIGNER  
ONE LUX STUDIO, LLC  
39 WEST 13TH STREET  
NEW YORK, NY 10011  
TEL: 212 201 5792 FAX: 212 675 3700

FOOD & WASTE MANAGEMENT  
WILLIAM CARUSO & ASSOCIATES, INC.  
895 EAST TUPES AVE, SUITE 1520  
DENVER, CO 80237  
TEL: 303 649 1600 FAX: 303 649 1660

SIGNAGE & WAYFINDING  
RAFAEL VINDLY ARCHITECTS PC  
50 VANDIAM STREET  
NEW YORK, NY 10013  
TEL: 212 924 5860 FAX: 212 924 5858

SPECIFICATIONS  
ROBERT SCHWARTZ & ASSOCIATES  
589 8TH AVE, 17TH FLOOR  
NEW YORK, NY 10018  
TEL: 212 691 3248 FAX: 212 633 1613

BID PACKAGE 3  
ENCLOSURE/SITE/MEPP/INTERIOR  
MAY 14, 2012

PHASE:

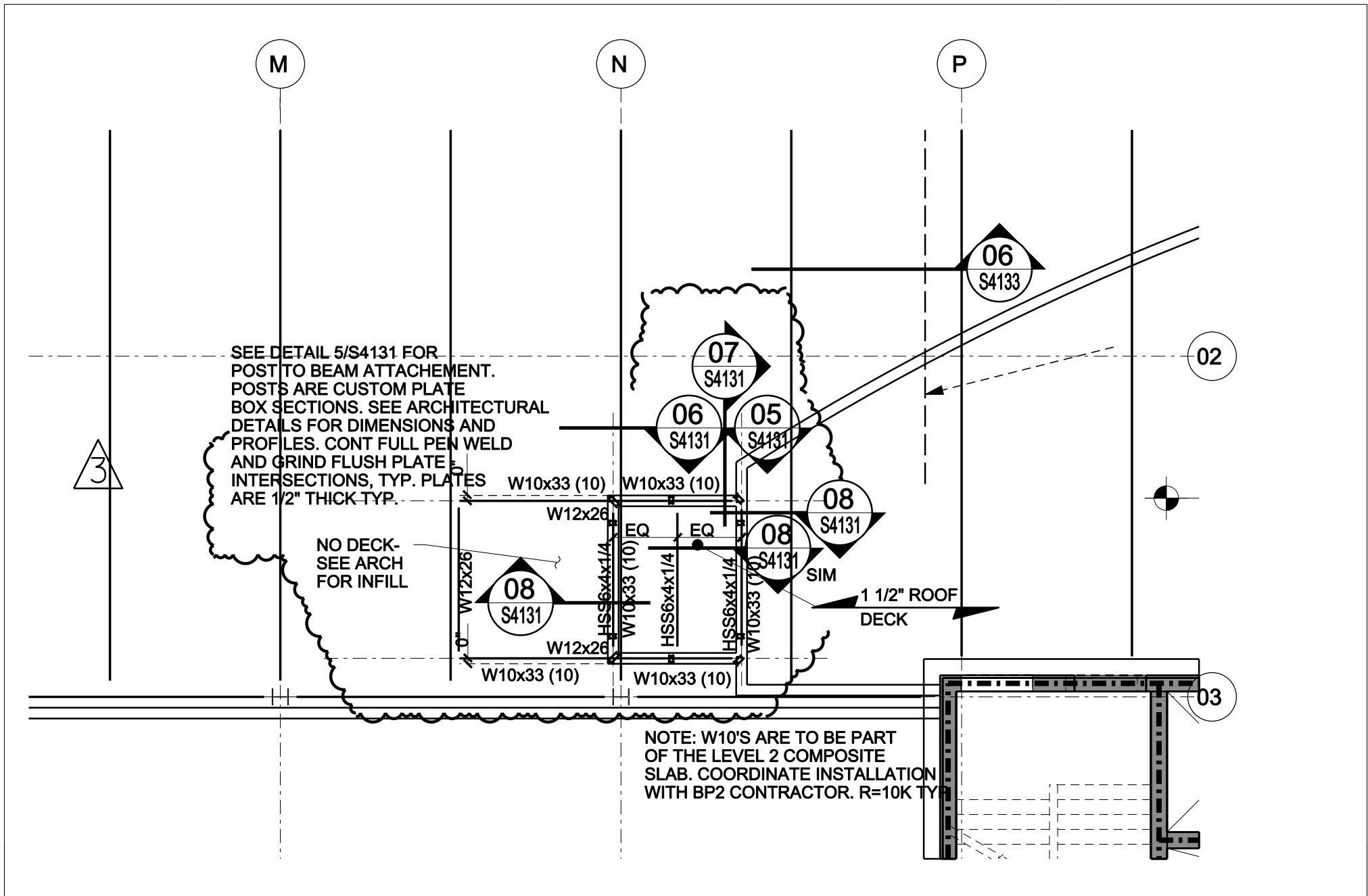
SEAL & SIGNATURE

NO.	DATE	NO.	DATE	NO.	DATE
1	2012 06 22	2	2012 05 14	3	2012 04 18
4	2012 01 04	5		6	

KEY PLAN & NORTH SIGN

EXTERIOR STAIRS  
SECTIONS AND DETAILS

SHEET TITLE:  
S6130  
SHEET NUMBER



MOORE SCHOOL OF BUSINESS  
 UNIVERSITY OF SOUTH CAROLINA  
 BID PACKAGE 3  
 ENCLOSURE/SITE/MEFP/INTERIOR  
 ADDENDUM #003

^ ^  
 3 2012.06.22

PROJECT NO. 655.000

© RAFAEL VIÑOLY ARCHITECTS PC

VESTIBULE  
 REF. DWG # S1120A\_bp3

SHEET TITLE :

SCALE :  
 NOT TO SCALE

SHEET NUMBER :  
 S-SK-001

MECHANICAL PIPING KEYNOTES	
KEYNOTE	NOTE
MP1	PROVIDE 3/4" REVERSE RETURN LOOP TO DEVICES INDICATED.

USC BUSINESS PARTNERSHIP FOUNDATION  
ON BEHALF OF  
UNIVERSITY OF SOUTH CAROLINA  
DARLA MOORE SCHOOL OF BUSINESS CONSTRUCTION

PROJECT NAME:  
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DARLA MOORE SCHOOL OF BUSINESS CONSTRUCTION

OSE PROJECT NUMBER:  
H27-6069-AC

743 GREENE STREET  
COLUMBIA, SC 29298  
TEL: 803 777 4022 FAX: 803 777 0484

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NEW YORK, NY 10013  
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CIVIL ENGINEER, FIRE PROTECTION  
ENGINEER:  
STEVENS & WILKINSON  
1501 MAIN STREET, FLOOR 1  
COLUMBIA, SC 29201  
TEL: 803 765 0320 FAX: 803 254 6209

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LANDSCAPE ARCHITECT:  
GRIBBALL-GOTTRELL ASSOCIATES  
600 BELTLINE BOULEVARD  
COLUMBIA, SC 29295  
TEL: 803 738 9525 FAX:

SURVEYOR:  
BP BARBER & ASSOCIATES, INC.  
801 RESEARCH DRIVE  
COLUMBIA, SC 29202-1116  
TEL: 803 429 4028 FAX:

BUILDING CODE:  
HUGHES ASSOCIATES  
3610 COMMERCE DRIVE, SUITE 817  
BALTIMORE, MD 21227-8652  
TEL: 410 731 8677 FAX: 410 731 8688

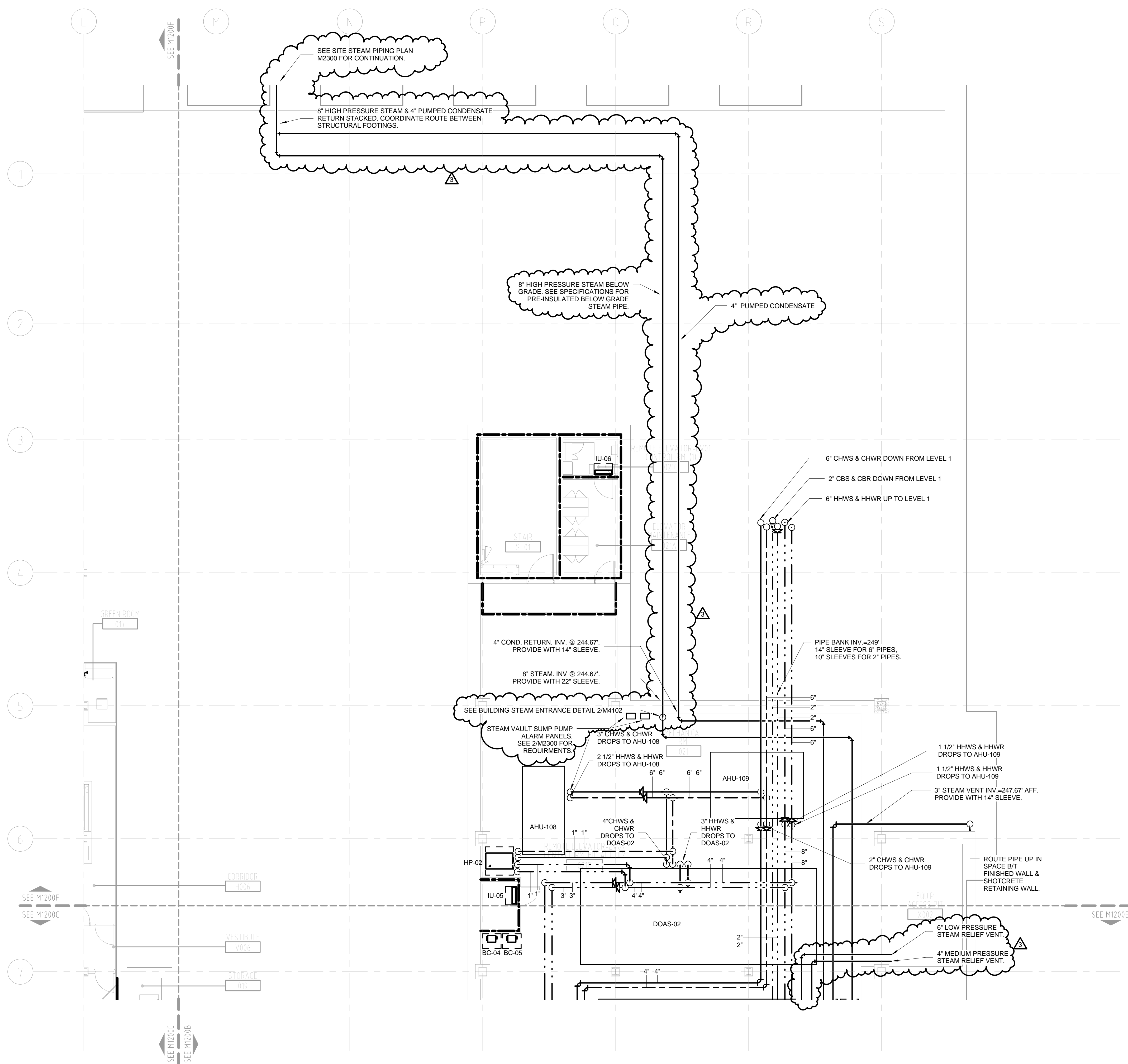
LIGHTING DESIGNER:  
ONE LUX STUDIO, LLC  
39 WEST 19TH STREET  
NEW YORK, NY 10011  
TEL: 212 2015192 FAX: 212 615 3700

FOOD & WASTE MANAGEMENT:  
WILLIAM CARUSO & ASSOCIATES, INC.  
928 E HINICAL AVE, SUITE 320  
ENGLEWOOD, CO 80112  
TEL: 303 649 1600 FAX: 303 649 1660

SIGNAGE & WAYFINDING:  
RAFAEL VINOLY ARCHITECTS PC  
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NEW YORK, NY 10013  
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ROBERT SCHWARTZ & ASSOCIATES  
589 8TH AVE, 17TH FLOOR  
NEW YORK, NY 10018  
TEL: 212 691 3248 FAX: 212 633 1619

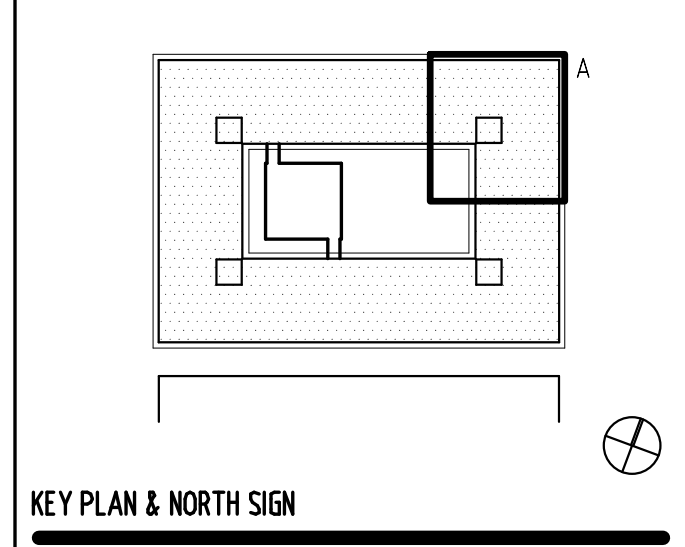
- HVAC PIPING NOTES:**
1. RUNOUTS TO INDIVIDUAL DEVICES ARE NOT SHOWN FOR CLARITY.
  2. SEE DUCT PLANS FOR EQUIPMENT TAGS NOT SHOWN.
  3. PROVIDE 1/2" RUNOUTS FOR FLOWS LESS THAN OR EQUAL TO 1 GPM. PROVIDE 3/4" RUNOUTS FOR FLOWS GREATER THAN 1 GPM UP TO 3 GPM. PROVIDE 1" RUNOUTS FOR FLOWS GREATER THAN 3 GPM UP TO 6 GPM. PROVIDE 1 1/2" RUNOUTS FOR FLOWS GREATER THAN 6 GPM UP TO 16 GPM.
  4. PROVIDE FLEXIBLE CONNECTIONS, SHUT-OFF VALVES AND UNIONS TO EACH PIECE OF EQUIPMENT.
  5. ROUTE CONDENSATE FROM EQUIPMENT RECEIVING 43 DEGREE WATER TO THE NEAREST FLOOR SINK, MOP SINK OR CONDENSATE RISERS. CONDENSATE PIPE SHALL BE 3/4" OR MATCH THE EQUIPMENT DRAIN SIZE, WHICHEVER IS GREATER.
  6. CONTRACTOR TO COORDINATE PIPE ROUTING IN CHASE PROVIDED WITH OTHER DISCIPLINES.
  7. PROVIDE SHUT-OFF VALVES ON ALL SERVICES AS THEY LEAVE THE CHASE.
  8. SEE SPECIFICATION 23.57.00 FOR PACKAGED HEATING HOT WATER SYSTEM, PROVIDED BY MECHANICAL CONTRACTOR.



**BID PACKAGE 3**  
ENCLOSURE/SITE/MEFP/INTERIOR  
MAY 14, 2012

PHASE:

SEAL & SIGNATURE					
NO.	DATE	NO.	DATE	NO.	DATE
1		1		1	
2		2		2	
3		3		3	
4		4		4	
5		5		5	
6		6		6	
7		7		7	
8		8		8	
9		9		9	
10		10		10	
11		11		11	
12		12		12	
13		13		13	
14		14		14	
15		15		15	
16		16		16	
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18		18		18	
19		19		19	
20		20		20	



1/8" = 1' - 0"

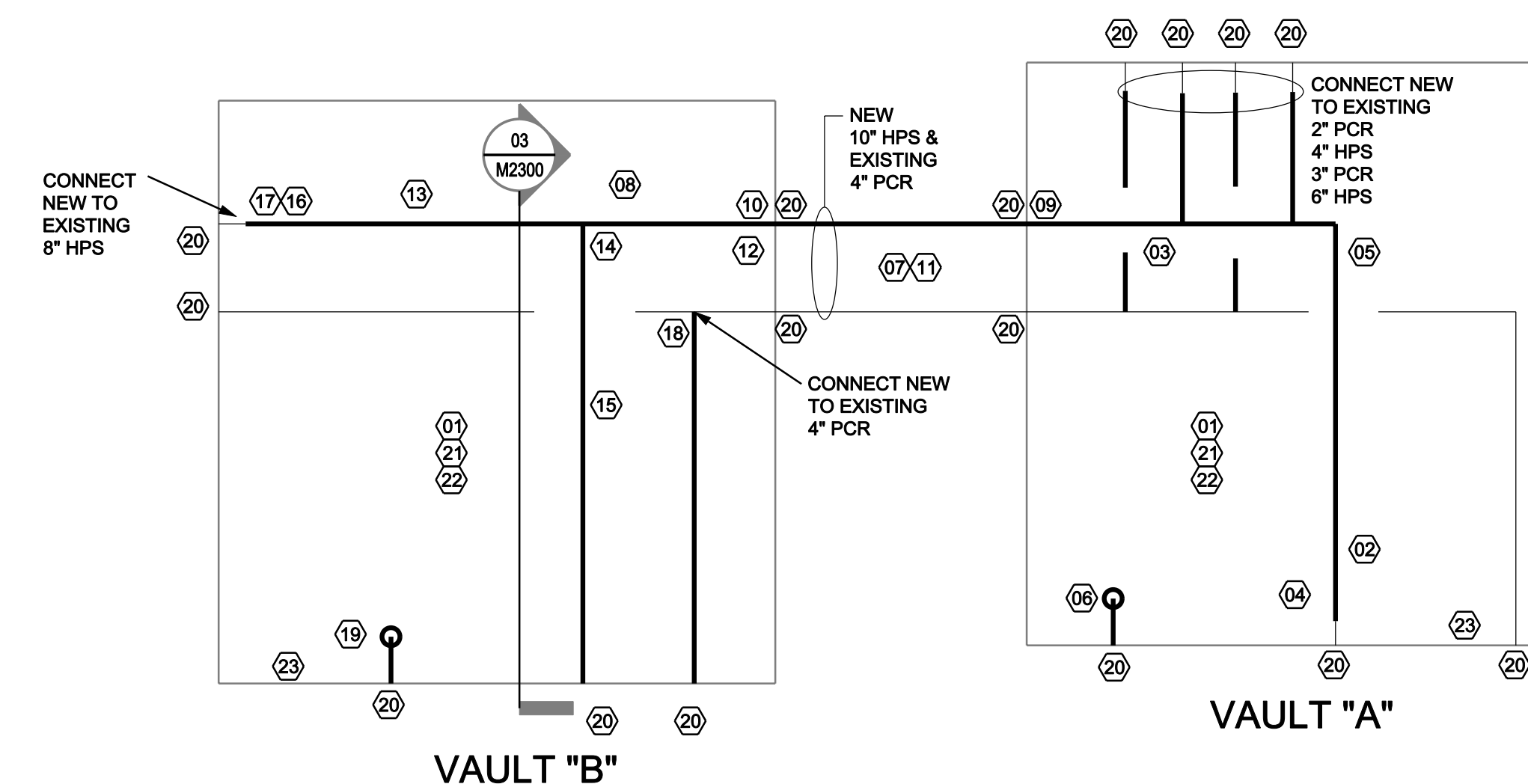
**HVAC PIPING PLAN -**  
LEVEL 0 - ZONE A

SHEET TITLE  
**M1200A**  
SHEET NUMBER:



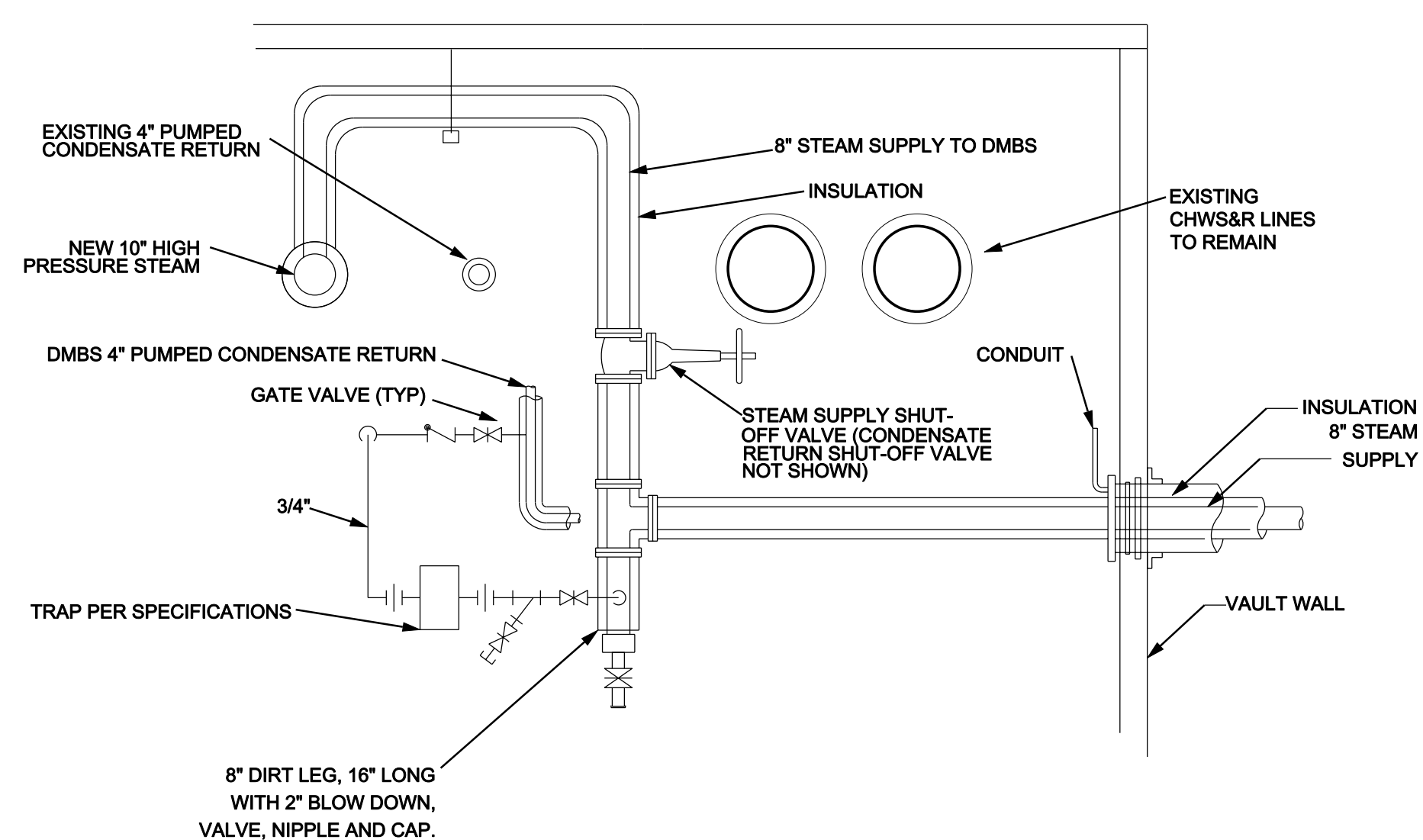
ENLARGED VAULT PLAN KEY NOTES:

- (01) CONTRACTOR TO FIELD VERIFY ALL EXISTING PIPE SIZES, LOCATIONS AND CONDITIONS. PROVIDE LARGE SCALE COORDINATION DRAWINGS FOR APPROVAL OF WORK INSIDE VAULTS "A" AND "B". COORDINATE ALL REQUIRED STEAM OUTAGES WITH UNIVERSITY ENGINEERING SERVICES.
- (02) REMOVE EXISTING 10" DRIP LEG AND 10" TO 8" REDUCER IN VAULT "A".
- (03) REMOVE EXISTING 8" HIGH PRESSURE STEAM HEADER INCLUDING ALL ASSOCIATED TAPS AND VALVES TO THE KOGER CENTER, SCHOOL OF MUSIC AND DISCOVERY IN VAULT "A".
- (04) PROVIDE NEW 10" FLANGED HIGH PRESSURE STEAM ISOLATION VALVE AT THE ENTRANCE TO VAULT "A".
- (05) PROVIDE NEW 10" STEAM HEADER WITH THE FOLLOWING IN VAULT "A":  
A. 10" INLET AND OUTLET ISOLATION VALVES.  
B. BALANCED PRESSURE THERMOSTATIC AIR VENT.  
C. NEW 10" DIA. DRIP LEG WITH BOTTOM FLANGED END CAP, DRAIN TAP, SUPERVISED START-UP VALVE, LIQUID EXPANSION STEAM TRAP, DRIP LEG SIDE TAP WITH LOSS DETECTOR, STRAINER WITH BLOW-DOWN, THERMODYNAMIC STEAM TRAP, CHECK VALVE, UNIONS AND ISOLATION VALVES FOR THE STRAINER/TRAP/CHECK SET ASSEMBLY.  
D. NEW 4" HIGH PRESSURE STEAM TAP WITH ISOLATION VALVE TO SERVE THE SCHOOL OF MUSIC.  
E. NEW 6" HIGH PRESSURE STEAM TAP WITH ISOLATION VALVE TO SERVE THE KOGER CENTER.
- (06) PROVIDE SUMP PUMP FOR DE-WATERING VAULT "A". PROVIDE 2" DISCHARGE PIPING TO THE NEAREST STORM DRAIN CATCH BASIN LOCATED ON THE DMBS SITE. PUMP TO BE A BARNES MODEL EHS12HT SUBMERSIBLE PUMP WITH BARNES ESPS-150 FLOAT SWITCH (WITH FREE STAND BASE), BARNES 1500 HIGH LEVEL ALARM PANEL LOCATED IN DMBS MECHANICAL ROOM AND ALARM CONNECTIONS TO THE BUILDING BMS.
- (07) REMOVE 8" HIGH PRESSURE STEAM LINE BETWEEN VAULTS "A" AND "B".
- (08) REMOVE EXISTING 8" HIGH PRESSURE STEAM LINE INSIDE OF VAULT "B".
- (09) INCREASE EXISTING OPENING IN THE SIDE OF THE VAULT "A" TO ACCOMMODATE THE NEW 10" STEAM LINE. DOUBLE WALL INSULATION AND LINK SEAL TO FREE VAULT "B".
- (10) INCREASE EXISTING OPENING IN THE SIDE OF THE VAULT "B" TO ACCOMMODATE THE NEW 10" STEAM LINE. DOUBLE WALL INSULATION AND LINK SEAL.
- (11) PROVIDE NEW 10" HIGH PRESSURE STEAM MAIN FROM VAULT "A" TO VAULT "B".
- (12) PROVIDE NEW 10" FLANGED HIGH PRESSURE STEAM ISOLATION VALVE AT THE ENTRANCE TO VAULT "B".
- (13) PROVIDE NEW 10" HIGH PRESSURE STEAM MAIN THROUGH VAULT "B".
- (14) PROVIDE NEW 8" HIGH PRESSURE STEAM TAP WITH ISOLATION VALVE TO SERVE THE DMBS INSIDE VAULT "B" OFF THE NEW 10" HIGH PRESSURE STEAM MAIN IN VAULT "B".
- (15) PROVIDE NEW 8" DIA. DRIP LEG WITH BOTTOM FLANGED END CAP, DRAIN TAP, SUPERVISED START-UP VALVE, LIQUID EXPANSION STEAM TRAP, DRIP LEG SIDE TAP WITH LOSS DETECTOR, STRAINER WITH BLOW-DOWN, THERMODYNAMIC STEAM TRAP, CHECK VALVE, UNIONS AND ISOLATION VALVES FOR THE STRAINER/TRAP/CHECK SET ASSEMBLY.
- (16) PROVIDE A 10" TO 8" REDUCER ON THE HIGH PRESSURE STEAM LINE IN VAULT "B" TO "DISCOVERY".
- (17) PROVIDE A NEW 8" FLANGED HIGH PRESSURE STEAM ISOLATION VALVE FOR DISCOVERY IN VAULT "B".
- (18) 4" PUMPED CONDENSATE RETURN FROM THE DMBS TO BE TAPPED INTO THE TOP OF THE EXISTING CONDENSATE RETURN WITH A "SWEPT TEE" IN VAULT "B".
- (19) PROVIDE SUMP PUMP FOR DE-WATERING VAULT "B". PROVIDE 2" DISCHARGE PIPING TO THE NEAREST STORM DRAIN CATCH BASIN LOCATED ON THE DMBS SITE. PUMP TO BE A BARNES MODEL EHS12HT SUBMERSIBLE PUMP WITH BARNES ESPS-150 FLOAT SWITCH (WITH FREE STAND BASE), BARNES 1500 HIGH LEVEL ALARM PANEL LOCATED IN DMBS MECHANICAL ROOM AND ALARM CONNECTIONS TO THE BUILDING BMS.
- (20) PROVIDE LINK-SEAL MODULAR SEALS AT EACH STEAM, CONDENSATE RETURN PIPING AND SUMP PUMP DISCHARGE PIPE PENETRATION IN THE WALLS OF VAULTS "A" AND "B".
- (21) ALL EXISTING STEAM, CONDENSATE AND CHILLED WATER PIPING INSIDE BOTH VAULTS "A" AND "B" ARE TO BE RE-INSULATED.
- (22) CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL AND STORM WATER RUNOFF CONTROL. IF NECESSARY CONTRACTOR SHALL PROVIDE STRUCTURAL SUPPORT FOR ALL ADJACENT UTILITIES.
- (23) PROVIDE STAINLESS STEEL NEMA4X SUMP PUMP SAFETY DISCONNECT SWITCH IN VAULT.



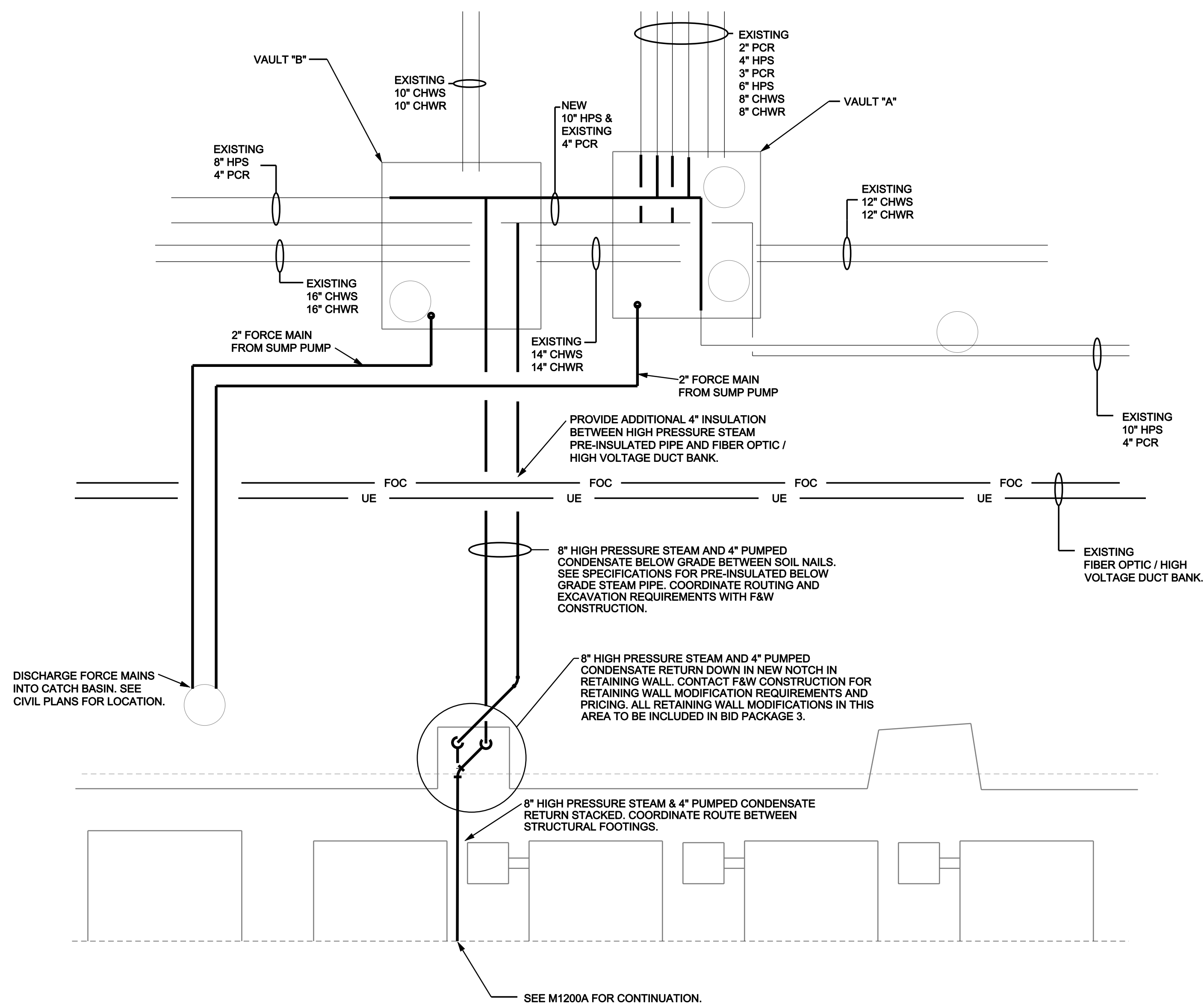
ENLARGED VAULT STEAM AND CONDENSATE PIPING PLAN  
SCALE: 1/4" = 1'-0"

SCALE: NONE



SECTION GENERAL NOTES:  
1. CONDENSATE RETURN PIPING IS SHOWN OFF-SET FOR CLARITY SAKE.  
2. ALL OTHER PIPING ACCESSORIES ARE NOT SHOWN FOR CLARITY SAKE.

VAULT B SECTION  
SCALE: NONE



SITE STEAM PIPING PLAN  
SCALE: 1/8" = 1'-0"

USE BUSINESS PARTNERSHIP FOUNDATION  
ON BEHALF OF  
USC CAMPUS PLANNING & CONSTRUCTION

PROJECT NAME  
UNIVERSITY OF SOUTH CAROLINA  
DARLA MOORE SCHOOL OF BUSINESS CONSTRUCTION  
OSE PROJECT NUMBER  
H27-6069-AC-3

743 GREENE STREET  
COLUMBIA, SC 29298  
TEL: 803 777 4022 FAX: 803 777 0484

ARCHITECT  
RAFAEL VINDLY ARCHITECTS PC  
50 VANDIAM STREET  
NEW YORK, NY 10013  
TEL: 212 924 5860 FAX: 212 924 5858

STRUCTURAL ENGINEER, MEP ENGINEER,  
CIVIL ENGINEER, FIRE PROTECTION  
ENGINEER  
STEVENS & WILKINSON, SC  
1501 MAIN STREET, FLOOR G  
COLUMBIA, SC 29201-5801  
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114A WASHINGTON STREET  
NORWALK, CT 06854-3007  
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LANDSCAPE ARCHITECT  
GRIMBALL-COTTELL ASSOCIATES  
600 BELTLINE BOULEVARD  
COLUMBIA, SC 29205  
TEL: 803 738 9525 FAX:

SURVEYOR  
BP BARBER & ASSOCIATES, INC.  
101 RESEARCH DRIVE  
COLUMBIA, SC 29203-1116  
TEL: 803 429 4028 FAX:

BUILDING CODE  
HUGHES ASSOCIATES  
3610 COMMERCE DRIVE, SUITE 817  
BALTIMORE, MD 21227-1652  
TEL: 410 737 8677 FAX: 410 737 8688

LIGHTING DESIGNER  
ONE LUX STUDIO, LLC  
39 WEST 13TH STREET  
NEW YORK, NY 10011  
TEL: 212 201 5792 FAX: 212 675 3700

FOOD & WASTE MANAGEMENT  
WILLIAM CARUSO & ASSOCIATES, INC.  
895 EAST 107TH AVE, SUITE 1520  
DENVER, CO 80237  
TEL: 303 649 1600 FAX: 303 649 1660

SIGNAGE & WAYFINDING  
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50 VANDIAM STREET  
NEW YORK, NY 10013  
TEL: 212 924 5860 FAX: 212 924 5858

SPECIFICATIONS  
ROBERT SCHWARTZ & ASSOCIATES  
589 8TH AVE, 17TH FLOOR  
NEW YORK, NY 10018  
TEL: 212 691 3248 FAX: 212 633 1613

BID PACKAGE 3  
ENCLOSURE/SITE/MEFP/INTERIOR  
MAY 14, 2012

PHASE:

SEAL & SIGNATURE

ISSUE NO	ISSUE DATE	ISSUE NO	ISSUE DATE	ISSUE NO	ISSUE DATE
1	2012 06 22				

KEY PLAN & NORTH SIGN

SITE STEAM PIPING PLAN,  
ENLARGED VAULT "A" AND  
VAULT "B" SECTION

SHEET TITLE  
**M2300**  
SHEET NUMBER

0

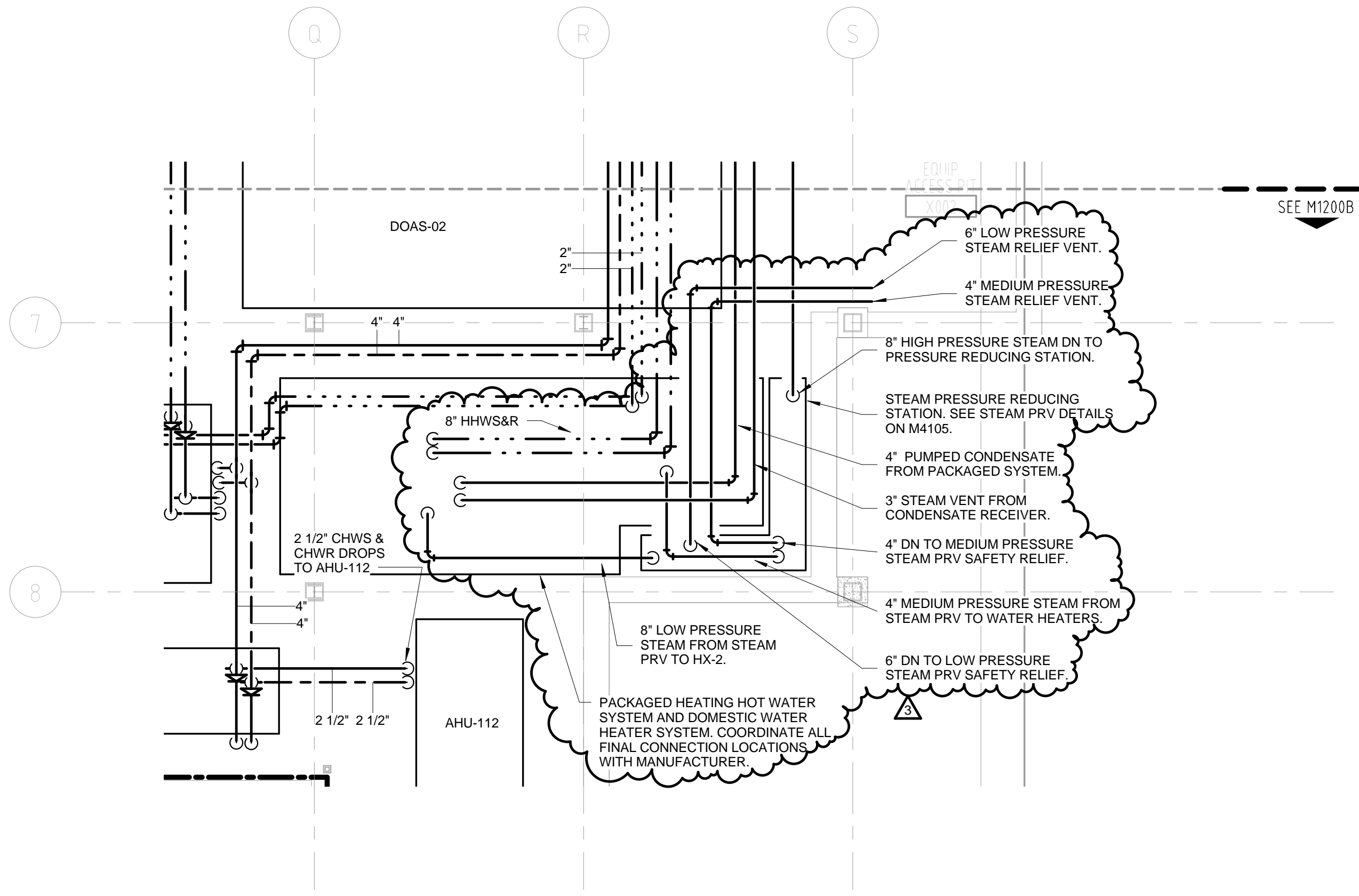
### ELECTRIC HUMIDIFIER SCHEDULE

UNIT TAG	MFGR.	MODEL	CAPACITY (LBS/HR)	KW	NOTES
H-1	DRI-STEEM	VLC 50-2	142.5	50	1,2,3,4,5

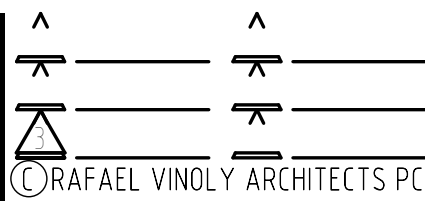
4

- NOTES:**
1. FURNISH WITH MEANS OF DISCONNECT.
  2. FURNISH WITH SCR MODULATION.
  3. FURNISH WITH VAV CONTROL, AIR FLOW PROVING SWITCH & DUCT HIGH LIMIT SWITCH.
  4. FURNISH WITH FLOOR. MOUNT CONTROL PANEL ON UNIT & BACNET INTERFACE
  5. FURNISH WITH MFGR'S INJECTION TUBES & INSULATED FLEXIBLE HOSES.
  6. PROVIDE WITH DRAIN TEMPERING KIT. ROUTE TO NEAREST FLOOR DRAIN/SINK.



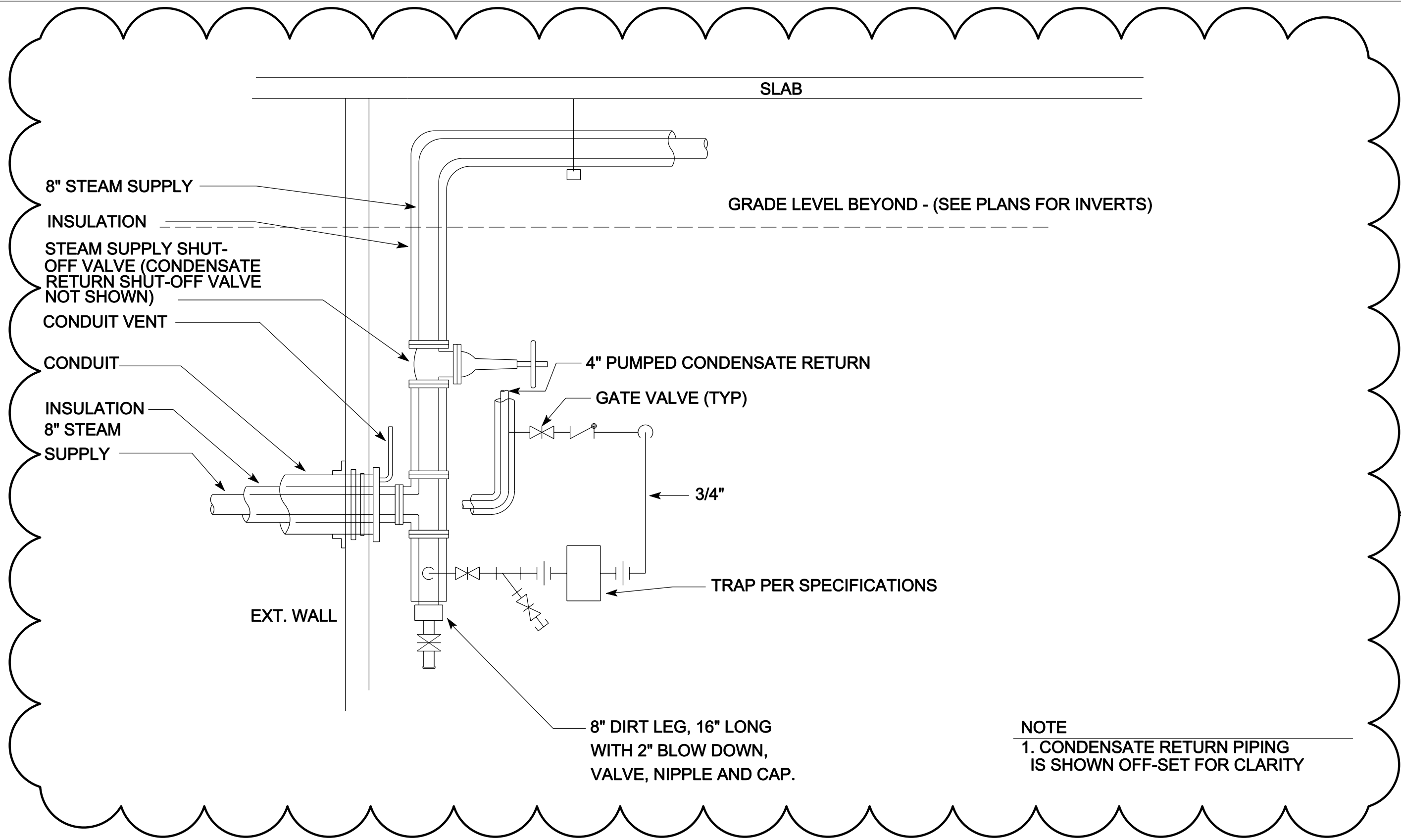


MOORE SCHOOL OF BUSINESS  
 UNIVERSITY OF SOUTH CAROLINA  
 BID PACKAGE 3  
 ENCLOSURE/SITE/MEPFP/INTERIOR  
 ADDENDUM #003  
 PROJECT NO. 655.000

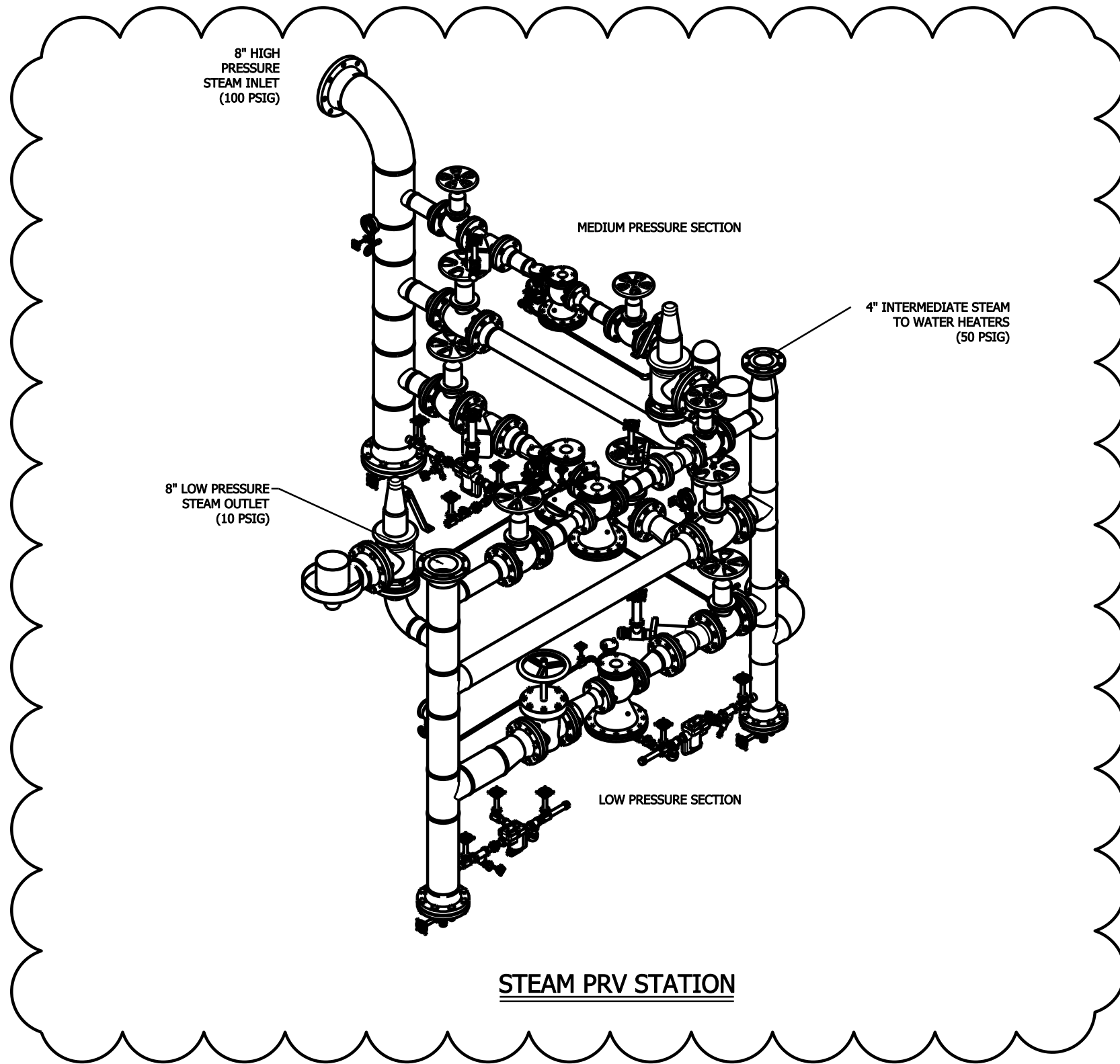


HVAC PIPING PLAN - LEVEL 0 - ZONE A  
 REF. DWG # M1200B  
 SHEET TITLE:

SCALE  
 1/8" = 1'-0"  
 SHEET NUMBER  
 M-SK-003



**NOTE**  
 1. CONDENSATE RETURN PIPING IS SHOWN OFF-SET FOR CLARITY




3

PRV STATION  
SCALE : NONE

02

MOORE SCHOOL OF BUSINESS  
UNIVERSITY OF SOUTH CAROLINA  
BID PACKAGE 3  
ENCLOSURE/SITE/MEPFP/INTERIOR  
ADDENDUM #003

PROJECT NO. 655.000

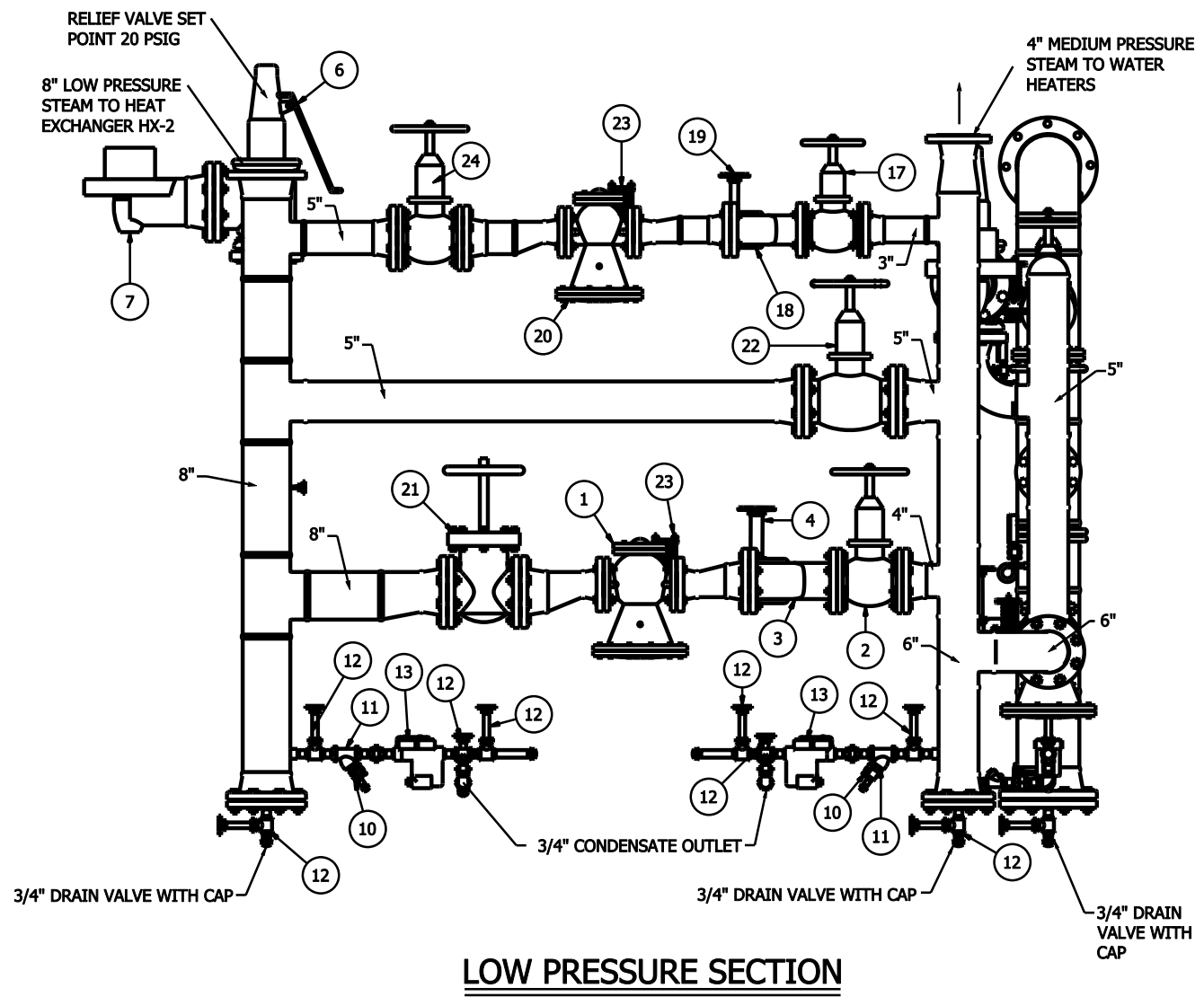
 2012.06.22  
 © RAFAEL VINOLY ARCHITECTS PC

PRV STATION  
REF. DWG # M4105

SHEET TITLE :

SCALE :  
NONE

SHEET NUMBER :  
M-SK-005



STEAM PRV PARTS NOTES	
ITEM	DESCRIPTION
1	HOFFMAN 3" NP 2200 STEAM REGULATOR
2	4 IN STOCKHAM G-612 GATE VALVE
3	4" TITAN MODEL YS58-CI 125# FLANGED
4	STOCKHAM 1.5" B-144 GATE VALVE
5	4 IN STOCKHAM G-512 GLOBE VALVE
6	KUNKLE 6252KPM RELIEF VALVE
7	KUNKLE DRIP PAN ELBOW - 0299-P - VENT TO EXTERIOR
8	HOFFMAN SPS-60 SPRING PRESSURE CONTROL PILOT
9	STOCKHAM 0.25" B-144 GATE VALVE
10	STOCKHAM 0.375" B-144 GATE VALVE
11	TITAN MODEL YS12-CI 250# 3/4" THREADED
12	STOCKHAM 0.75" B-144 GATE VALVE
13	SERIES B1 3/4 NPT INVERTED BUCKET TRAP
14	ENFM 6211 0-160 PSI PRESSURE GAUGE
15	ENFM 6211 0-100 PSI PRESSURE GAUGE
16	HOFFMAN 2" NP 2200 STEAM REGULATOR
17	3 IN STOCKHAM G-612 GATE VALVE
18	3" TITAN MODEL YS58-CI 125# FLANGED
19	STOCKHAM 1" B-144 GATE VALVE
20	HOFFMAN 2.5" NP 2200 STEAM REGULATOR
21	8 IN STOCKHAM G-612 GATE VALVE
22	5 IN STOCKHAM G-512 GLOBE VALVE
23	HOFFMAN SPS-30 SPRING PRESSURE CONTROL PILOT
24	5" STOCKHAM G-612 GATE VALVE
25	6" STOCKHAM G-612 GATE VALVE

LOW PRESSURE SECTION OF PRV STATION

SCALE : NONE

03

MOORE SCHOOL OF BUSINESS  
UNIVERSITY OF SOUTH CAROLINA  
BID PACKAGE 3  
ENCLOSURE/SITE/MEPFP/INTERIOR  
ADDENDUM #003

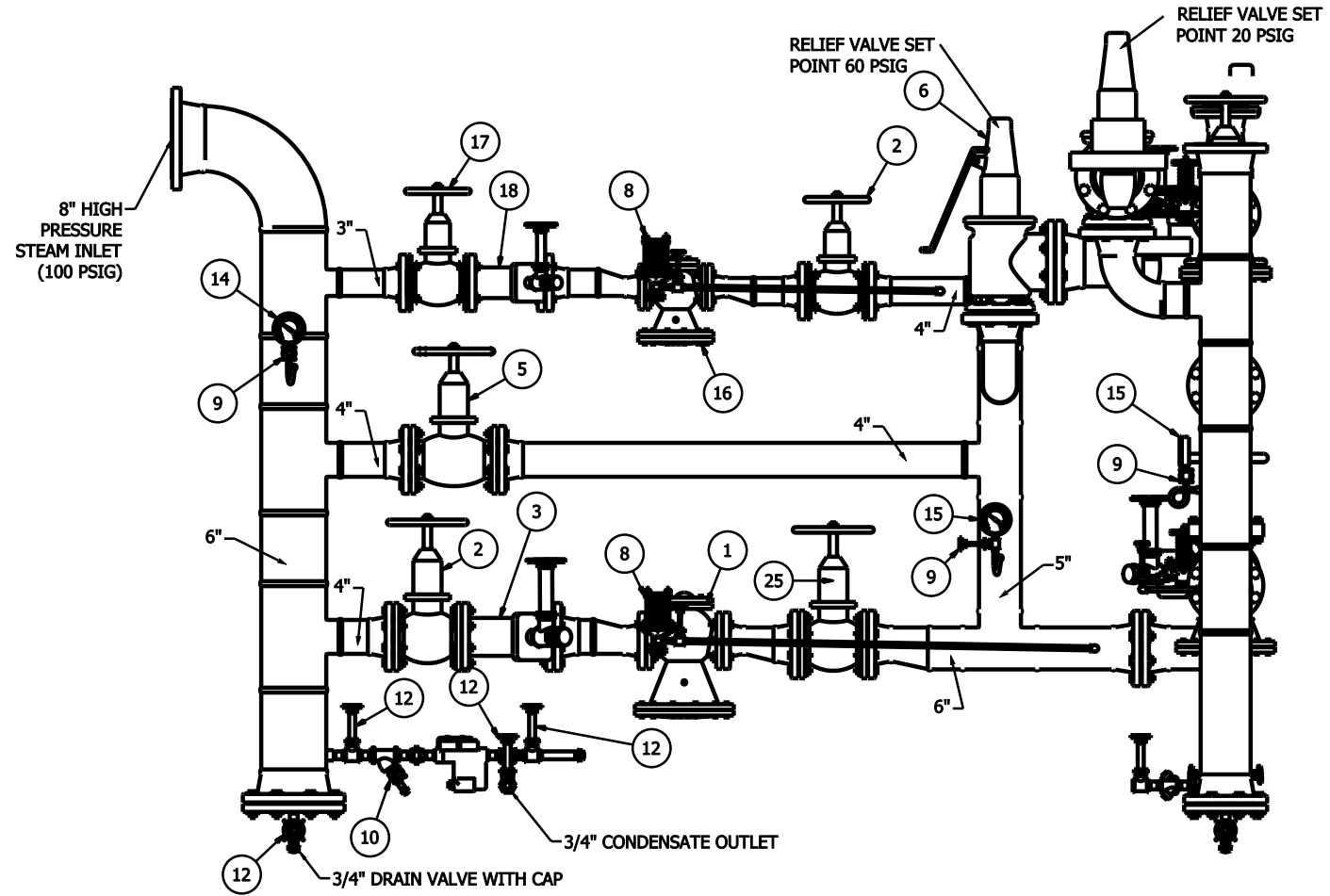
2012.06.22  
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LOW PRESSURE SECTION OF PRV STATION  
REF. DWG # M4105

SHEET TITLE :

SCALE : NONE  
SHEET NUMBER :  
M-SK-006

PROJECT NO. 655.000

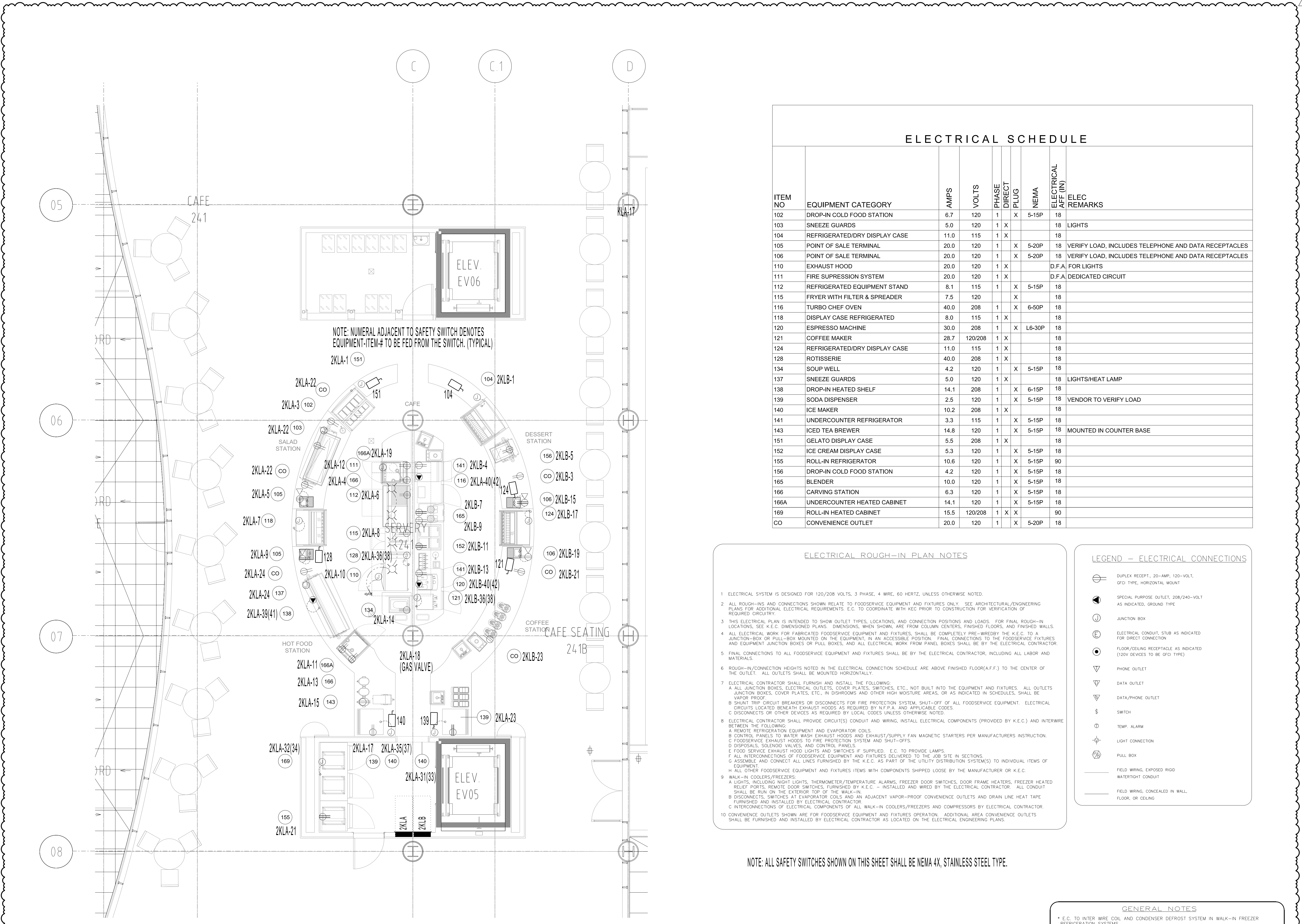


**MEDIUM PRESSURE SECTION**

STEAM PRV PARTS NOTES	
ITEM	DESCRIPTION
1	HOFFMAN 3" NP 2200 STEAM REGULATOR
2	4 IN STOCKHAM G-612 GATE VALVE
3	4" TITAN MODEL YS58-CI 125# FLANGED
4	STOCKHAM 1.5" B-144 GATE VALVE
5	4 IN STOCKHAM G-512 GLOBE VALVE
6	KUNKLE 6252KPM RELIEF VALVE
7	KUNKLE DRIP PAN ELBOW - 0299-P - VENT TO EXTERIOR
8	HOFFMAN SPS-60 SPRING PRESSURE CONTROL PILOT
9	STOCKHAM 0.25" B-144 GATE VALVE
10	STOCKHAM 0.375" B-144 GATE VALVE
11	TITAN MODEL YS12-CI 250# 3/4" THREADED
12	STOCKHAM 0.75" B-144 GATE VALVE
13	SERIES B1 3/4 NPT INVERTED BUCKET TRAP
14	ENFM 6211 0-160 PSI PRESSURE GAUGE
15	ENFM 6211 0-100 PSI PRESSURE GAUGE
16	HOFFMAN 2" NP 2200 STEAM REGULATOR
17	3 IN STOCKHAM G-612 GATE VALVE
18	3" TITAN MODEL YS58-CI 125# FLANGED
19	STOCKHAM 1" B-144 GATE VALVE
20	HOFFMAN 2.5" NP 2200 STEAM REGULATOR
21	8 IN STOCKHAM G-612 GATE VALVE
22	5 IN STOCKHAM G-512 GLOBE VALVE
23	HOFFMAN SPS-30 SPRING PRESSURE CONTROL PILOT
24	5" STOCKHAM G-612 GATE VALVE
25	6" STOCKHAM G-612 GATE VALVE

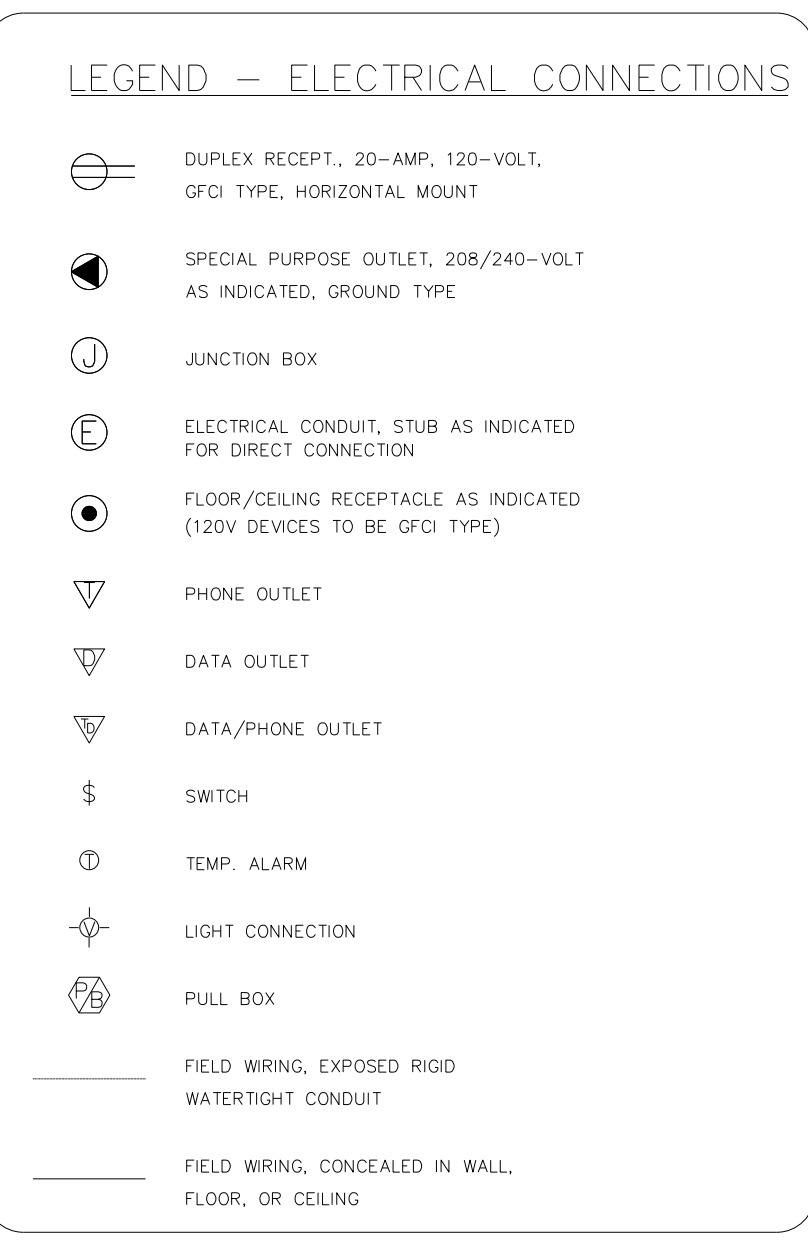
3

Table with 5 columns: ISSUE NO, ISSUE DATE, ISSUE NO, ISSUE DATE, ISSUE NO, ISSUE DATE. Includes dates: 2012 06 22, 2012 05 14, 2012 04 18, 2012 01 04.



ELECTRICAL SCHEDULE table with columns: ITEM NO, EQUIPMENT CATEGORY, AMPS, VOLTS, PHASE, DIRECT, PLUG, NEMA, ELECTRICAL ALFE (IN), ELEC REMARKS. Lists items 102 through 169 including drop-in cold food stations, refrigerated display cases, fryers, ovens, coffee makers, etc.

ELECTRICAL ROUGH-IN PLAN NOTES  
1. ELECTRICAL SYSTEM IS DESIGNED FOR 120/208 VOLTS, 3 PHASE, 4 WIRE, 60 HERTZ, UNLESS OTHERWISE NOTED.  
2. ALL ROUGH-INS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE EQUIPMENT AND FIXTURES ONLY...  
3. THIS ELECTRICAL PLAN IS INTENDED TO SHOW OUTLET TYPES, LOCATIONS, AND CONNECTION POSITIONS AND LOADS...  
4. ALL ELECTRICAL WORK FOR FABRICATED FOODSERVICE EQUIPMENT AND FIXTURES, SHALL BE COMPLETELY PRE-WIRED BY THE E.I.C. TO A JUNCTION-BOX OR PULL-BOX MOUNTED ON THE EQUIPMENT...  
5. FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT AND FIXTURES SHALL BE BY THE ELECTRICAL CONTRACTOR...  
6. ROUGH-IN/CONNECTION HEIGHTS NOTED IN THE ELECTRICAL CONNECTION SCHEDULE ARE ABOVE FINISHED FLOOR(A.F.F.) TO THE CENTER OF THE OUTLET...  
7. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:  
A. ALL JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC., NOT BUILT INTO THE EQUIPMENT AND FIXTURES...  
B. SHUNT TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE PROTECTION SYSTEM, SHUT-OFF OF ALL FOODSERVICE EQUIPMENT...  
8. ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT(S) CONDUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY K.E.C.) AND INTERWIRE BETWEEN THE FOLLOWING:  
A. REMOTE REFRIGERATION EQUIPMENT AND EVAPORATOR COILS.  
B. CONTROL PANELS TO WATER WASH EXHAUST HOODS AND EXHAUST/SUPPLY FAN MAGNETIC STARTERS PER MANUFACTURERS INSTRUCTION.  
C. FOODSERVICE EXHAUST HOODS TO FIRE PROTECTION SYSTEM AND SHUT-OFFS.  
D. DISPOSALS, SILENDING VALVES, AND CONTROL PANELS.  
E. FOOD SERVICE EXHAUST HOOD LIGHTS AND SWITCHES IF SUPPLIED, E.C. TO PROVIDE LAMPS.  
F. ALL INTERCONNECTIONS OF FOODSERVICE EQUIPMENT AND FIXTURES DELIVERED TO THE JOB SITE IN SECTIONS.  
G. ASSEMBLE AND CONNECT ALL LINES FURNISHED BY THE K.E.C. AS PART OF THE UTILITY DISTRIBUTION SYSTEM(S) TO INDIVIDUAL ITEMS OF EQUIPMENT.  
H. ALL OTHER FOODSERVICE EQUIPMENT AND FIXTURES ITEMS WITH COMPONENTS SHIPPED LOOSE BY THE MANUFACTURER OR K.E.C.  
9. WALK-IN COOLERS/FREEZERS:  
A. LIGHTS INCLUDING NIGHT LIGHTS, THERMOMETER/TEMPERATURE ALARMS, FREEZER DOOR SWITCHES, DOOR FRAME HEATERS, FREEZER HEATED RELIEF PORTS, REMOTE DOOR SWITCHES, FURNISHED BY K.E.C. - INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR...  
B. DISCONNECTS, SWITCHES AT EVAPORATOR COILS AND AN ADJACENT VAPOR-PROOF CONVENIENCE OUTLETS AND DRAIN LINE HEAT TAPE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.  
C. INTERCONNECTIONS OF ELECTRICAL COMPONENTS OF ALL WALK-IN COOLERS/FREEZERS AND COMPRESSORS BY ELECTRICAL CONTRACTOR.  
10. CONVENIENCE OUTLETS SHOWN ARE FOR FOODSERVICE EQUIPMENT AND FIXTURES OPERATION. ADDITIONAL AREA CONVENIENCE OUTLETS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AS LOCATED ON THE ELECTRICAL ENGINEERING PLANS.



NOTE: ALL SAFETY SWITCHES SHOWN ON THIS SHEET SHALL BE NEMA 4X, STAINLESS STEEL TYPE.

GENERAL NOTES  
\* E.C. TO INTER WIRE COIL AND CONDENSER DEFROST SYSTEM IN WALK-IN FREEZER REFRIGERATION SYSTEMS.  
\* E.C. TO MOUNT AND WIRE LIGHTS, SWITCHES AND PROVIDE/INSTALL LAMPS IN WALK-IN COOLERS AND FREEZERS.  
\* E.C. TO CONNECT FAN AND LIGHTS WITH HOOD SWITCHES, AND PROVIDE LAMPS.  
\* E.C. TO INTER-WIRE DISPOSER AND CONTROL PANEL FROM E.C. - PROVIDED DISCONNECT.  
\* ALL "BY PURVEYOR" "BY OPERATOR" OR "EXISTING" EQUIPMENT MECHANICAL, ELECTRICAL, AND PLUMBING INFORMATION SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.  
\* P.C. TO FURNISH AND INSTALL BRASS BALL VALVES/STOPS IN PIPE SIZE INDICATED TO ALL H/C CONNECTIONS ON ALL FS EQUIPMENT SHOWN.  
\* ROUGH-IN DIMENSIONS AND DETAILS ARE FOR REFERENCE ONLY - REFER TO KEC SUBMITTALS FOR FINAL ROUGH-IN DETAILS AND LOCATIONS.

CAFE AND SERVERY ELECTRICAL ROUGH-IN PLAN  
Scale: 1/4" = 1'-0"

# PANELBOARD '2KLA'

SERVICE: 208/120 VOLTS, 3Ø, 4W



CONDUIT SIZE (INCH)	CONDUCTORS (AWG OR MCM)				LOAD DESCRIPTION	C.B. AMP	KVA LOAD	CCT #	DOUBLE NEUTRAL			CCT #	KVA LOAD	C.B. AMP	LOAD DESCRIPTION	CONDUCTORS (AWG OR MCM)				CONDUIT SIZE (INCH)
	Ø	N	G	IG					ØA	ØB	ØC					Ø	N	G	IG	
3/4	12				151- GELATO DISPLAY CASE	20	1.30	1		2		20	SPARE							
	12	12	12	NA	102-DROP-IN COLD FOOD STATION	20	0.80	3		4		20	166-CARVING STATION	12	12	12	NA	3/4		
	12				105-POS STATION	20	1.00	5		6		20	112- REFRIGERATED STAND	12						
3/4	12				118-REFRIGERATED DISPLAY CASE	20	1.00	7		8		20	115-FRYER RECEPTACLE	12						
	12	12	12	NA	105-POS STATION	20	1.00	9		10		20	110-HOOD LIGHTS	12	12	12	NA	3/4		
	12				166A-HEATED CABINET RECEPTACLE	20	1.70	11		12		20	111-FIRE SUPPRESSION SYSTEM	12	12	12	NA	3/4		
3/4	12				166-CARVING STATION	20	0.75	13		14		20	134-SOUP WELL	12	12	12	NA	3/4		
	12	12	12	NA	143-ICE TEA BREWER	20	1.78	15		16		20	SPARE							
	12				139-SODA DISPENSER	20	0.30	17		18		20	GAS VALVE	12	12	12	NA	3/4		
3/4	12	12	12	NA	166A-HEATED CABINET RECEPTACLE	20	1.70	19		20		20	SHUNT TRIP CB POWER	12	12	12	NA	3/4		
3/4	12	12	12	NA	155-ROLL-IN REFRIGERATOR	20	1.30	21		22		20	103 & CONVENIENCE RECEPTACLES							
	12				139-SODA DISPENSER	20	0.30	23		24		20	137 & CONVENIENCE RECEPTACLES							
3/4	10				HOOD MUA FAN	30		25		26		20	SPARE							
	10	NA	10	NA			27		28		20	SPARE								
	10						29		30		20	SPARE								
3/4	12		12	NA	140-ICE MAKER	20	1.10	31		32		20	169-ROLL-IN HEATED CABINET	12	12	12	NA	3/4		
	12						1.10	33		34					12					
3/4	12	NA	12	NA	140-ICE MAKER	20	1.10	35		36		50	128-ROTISSERIE	6	NA	10	NA	1		
	12						1.10	37		38					6					
3/4	12	NA	12	NA	138-DROP-IN HEATED SHELF	20	1.47	39		40		50	116-TURBO CHEF OVEN	6	NA	10	NA	1		
	12						1.47	41		42					6					

225A MINIMUM BUS RATING  
 200A MAIN C.B. RATING  
 10K MINIMUM AIC RATING

**PANELBOARD KEYNOTES:**  
 1. PROVIDE SHUNT TRIP MAIN CB CONTROLLED BY THE FIRE ALARM SYSTEM.  
 2. PROVIDE PAD-LOCKABLE HASPS FOR ALL BRANCH CIRCUIT BREAKERS, SO THAT CB CAN BE PADLOCKED IN THE OFF POSITION PER NEC-422.

- GROUND BUS
- FEED THRU LUGS
- SURFACE MOUNTED NEMA 1 ENCLOSURE

MOORE SCHOOL OF BUSINESS  
 UNIVERSITY OF SOUTH CAROLINA  
 BID PACKAGE 3  
 ENCLOSURE/SITE/MEPFP/INTERIOR  
 ADDENDUM #003  
 PROJECT NO. 655.000

2012.06.22  
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PANELBOARD SCHEDULES-LEVEL 2  
 REF. DWG # E3002  
 SHEET TITLE :

SCALE :  
 NOT TO SCALE  
 SHEET NUMBER :  
 E-SK-007

# PANELBOARD '2KLB'

SERVICE: 208/120 VOLTS, 3Ø, 4W

CONDUIT SIZE (INCH)	CONDUCTORS (AWG OR MCM)				LOAD DESCRIPTION	C.B. AMP	KVA LOAD	CCT #	DOUBLE NEUTRAL			CCT #	KVA LOAD	C.B. AMP	LOAD DESCRIPTION	CONDUCTORS (AWG OR MCM)				CONDUIT SIZE (INCH)
	Ø	N	G	IG					ØA	ØB	ØC					Ø	N	G	IG	
3/4	12				104-REFRIGERATED DISPLAY CA	20		1		2		20	KITCHEN SUPPLY FAN	12	12	12	NA	3/4		
	12	12	12	NA	CONVENIENCE RECEPTACLES	20		3		4		20	141-REFRIGERATOR	12	12	12	NA	3/4		
	12				156-DROP-IN COLD FOOD STATION	20		5		6		20	SPARE							
3/4	12				165-BLENDER	20		7		8		20	SPARE							
	12	12	12	NA	165-BLENDER	20		9		10		20	SPARE							
	12				152-ICE CREAM DISPLAY CASE	20		11		12		20	SPARE							
3/4	12				141-REFRIGERATOR	20		13		14		20	SPARE							
	12	12	12	NA	106-POS STATION	20		15		16		20	SPARE							
	12				124-REFRIGERATED DISPLAY CASE	20		17		18		20	SPARE							
3/4	12	12	12	NA	106-POS STATION	20		19		20		20	SPARE							
	12	12	12	NA	CONVENIENCE RECEPTACLES	20		21		22		20	SPARE							
	12				CONVENIENCE RECEPTACLES	20		23		24		20	SPARE							
					SPARE	20		25		26		20	SPARE							
					SPARE	20		27		28		20	SPARE							
					SPARE	30		29		30		20	SPARE							
					SPARE	30		31		32		20	SPARE							
					SPARE	30		33		34		20	SPARE							
					SPARE	20		35		36		20	121-COFFEE MAKER	8	8	10	NA	3/4		
					SPARE	20		37		38		20		8						
					SPARE	20		39		40		30	120-ESPRESSO MACHINE	10	NA	10	NA	3/4		
					SPARE	20		41		42		30		10						

225A MINIMUM BUS RATING  
200A MAIN C.B. RATING  
10K MINIMUM AIC RATING

**PANELBOARD KEYNOTES:**

1. PROVIDE SHUNT TRIP MAIN CB CONTROLLED BY THE FIRE ALARM SYSTEM.
2. PROVIDE PAD-LOCKABLE HASPS FOR ALL BRANCH CIRCUIT BREAKERS, SO THAT CB CAN BE PADLOCKED IN THE OFF POSITION PER NEC-422.

- GROUND BUS
- FEED THRU LUGS
- SURFACE MOUNTED NEMA 1 ENCLOSURE

MOORE SCHOOL OF BUSINESS  
UNIVERSITY OF SOUTH CAROLINA  
BID PACKAGE 3  
ENCLOSURE/SITE/MEFP/INTERIOR  
ADDENDUM #003  
PROJECT NO. 655.000

2012.06.22  
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PANELBOARD SCHEDULES-LEVEL 2  
REF. DWG # E3002

SHEET TITLE :

SCALE :  
NOT TO SCALE  
  
SHEET NUMBER :  
E-SK-008