

EYECARE MEDICAL GROUP
PHASE 2 ADDITION AND RENOVATION
ADDENDUM NO. 3
JULY 23, 2013

This Addendum modifies, amends and supplements designated parts of the Contract Documents, Project Manual and Drawings for E.M.G. - Phase 2 - Addition and Renovation and is hereby made a part thereof by reference and shall be as binding as though inserted in its entirety in the locations specified herein. It shall be the responsibility of the Contractor to notify all Subcontractors and Suppliers he proposes to use for the various parts of the work of any changes or modifications contained in this Addendum.

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PART V	Addendum for Electrical Specifications and Drawings

GENERAL INFORMATION

FOR SITE AND OTHER CONTRACTORS:

Restrictions on Use of Paper Street Portion of Hooper Street: The Owner does not have rights to perform work on the paper street portion of Hooper Street. As such, no disturbance shall occur within this area. Access to the laydown/staging area on Central Maine Power land shall be from within the Eyecare Medical Site **ONLY**. Final laydown area access location to be coordinated with the Owner and their representatives.

PART I- ADDENDUM FOR CIVIL SPECIFICATIONS AND DRAWINGS:

- I. Drawing C-2.0 – Site Layout Plan:
 - a. The site plan has been revised such that no proposed work is within the paper street portion of Hooper Street. The proposed pavement within this area and curbed island have been removed.
 - b. The alignment of the proposed driveway has been revised to stay away from the paper street portion of Hooper Street. The proposed sidewalk and bike rack area has been revised to accommodate the driveway shift. NOTE: a minimum sidewalk width of 3'-0" shall be maintained adjacent to the south west corner of

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the proposed building addition.

c. The existing curb that runs parallel to the paper street portion of Hooper Street shall be removed and replaced to match revised grades along this edge of the site.

d. A thin chevron/striped island is proposed along the southerly edge of the curbed island scheduled for removal to create an additional two parking spaces.

e. The northerly side of the existing 20 space parking area (constructed 2007) shall be restriped to create eleven (11) parking compact parking spaces 8 feet wide by 19 feet long. The existing striping shall be eradicated.

2. Drawing C-3.0 – Grading and Drainage and Erosion Control Plan:

a. The grading adjacent to the site driveway has been revised to avoid disturbance to the paper street portion of Hooper Street.

b. **Not shown of plan:** The three existing catch basins within the paved area of the site shall be fitted with a Fabco Industries “Stormsok” filter bag inserts fitted with an oil absorbent booms.

3. Drawing C-4.0 – Utility Plan:

a. To avoid work within the paper street portion of Hooper Street, the sanitary sewer service (6” dia) has been re-routed to connect to the existing 6” sewer stub (provided in Phase I) near Sewall Street.

b. To avoid work within the paper street portion of Hooper Street the 8” water main and services have been relocated as shown on C-4.0. This routing recreates the existing “Davis Street” water main loop.

ATTACHMENTS:

Drawings C-2.0, C-3.0, C-4.0.

PART II- ADDENDUM FOR STRUCTURAL SPECIFICATIONS AND DRAWINGS:

- I. None

PART III- ADDENDUM FOR ARCHITECTURAL PROJECT MANUALS AND DRAWINGS:

1. Sheet A002 - DELETE text reading "VAPOR RETARDER" shown on the Single-Ply Membrane Roofing System on Concrete Slab.
2. Sheet A202 – DELETE cabinets in Post Op BI09 (6 stations), as shown on elevations BI and CI.
3. Sheet A501 – REPLACE detail D3 with the attached SKA-5.
4. Sheet A503 – REPLACE detail BI with the attached SKA-4, indicating a typical soldier course in the exterior walls (with the exception of the quoin corners).
5. Sheet A600 - CHANGE, Door and Frame Schedule, Door N^o AI17 (Gas Room) width to be 3'-6".
6. Sheet A600 – CHANGE aluminum storefront type W1 to be 3'-4" above floor finish, to align appropriately with brick coursing.

PART IV- ADDENDUM FOR MECHANICAL SPECIFICATIONS AND DRAWINGS:
CHANGES TO THE SPECIFICATIONS

1. Section 230900 – Instrumentation and Control for HVAC: **DELETE** Paragraph I.I C. in its entirety. **ADD** in its place Paragraph I.I C. and I.I D. as follows (remaining paragraphs shall be re-numbered appropriately):

"C. All JACE's and Controllers shall be fully programmable or configurable from within any vendor's version of the Niagara AX Platform. Controllers that require a separate programming tool are not acceptable."

"D. Contractor must be an authorized and approved representative of the product which they propose to install."
2. Section 230900 – Instrumentation and Control for HVAC: **DELETE** Paragraph I.I0 C. 3. in its entirety. **ADD** in its place Paragraph I.I0 C. 3. as follows:

"3. Personnel, Coverage and Response Capabilities: The BACS contractor shall employ a minimum of ten full time electronic service personnel and two factory trained DDC control technicians."
3. Section 230900 – Instrumentation and Control for HVAC: **DELETE** Paragraph 2.2 A. in its entirety. **ADD** in its place Paragraph 2.2 A. as follows:

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“A. Basis-of-Design: Tridium Niagara-AX™. Subject to compliance with requirements, provide either the product named or an alternate product by one of the other manufacturers specified. System must operate on an open licensed JACE with the AX Workbench. No Appliance may be used. All JACE controllers shall operate with the Brand ID set to “none”, and compatibility modes set for “all”. All JACE Controllers shall be capable of being programmed within any vendor’s version of the Niagara AX Workbench.”

4. Section 230900 – Instrumentation and Control for HVAC: **DELETE** Paragraph 2.2 B. in its entirety. **ADD** in its place Paragraph 2.2 B. as follows:

“B. Acceptable Installers/programmers”

1. Honeywell (by XL Mechanical)
2. Honeywell (501 Old County Rd)
3. Johnson Controls (477 Congress Street, Portland, Maine”

5. Section 230901 – Variable Frequency Drives: **DELETE** Paragraph I.2 B. in its entirety. **ADD** in its place Paragraph I.2 B. as follows:

“ A. Related Sections include the following:

1. Section 230500 - Common Work Results for Mechanical
2. Section 232123 – Hydronic Pumps
3. Section 237313 – Modular Central – Station Air Handling Units
4. Section 23314 - Custom Air-Handling Units
5. Division 26

6. Section 230901 – Variable Frequency Drives: **ADD** Paragraph I.2 C. as follows:

“C. This section shall outline the general requirements for Variable Frequency Drives. Where scheduled on the drawings and where specified elsewhere herein, however, VFD’s shall be furnished with the associated equipment, factory mounted and wired.”

7. Section 230901 – Variable Frequency Drives: **DELETE** Paragraph 2.I A. in its entirety. **ADD** in its place the following:

“A. Manufacturers: Subject to compliance with requirements, provide products by one of the following (Applies to VFD’s not specified to be included as furnished with the associated equipment):

1. Honeywell SmartVFD
2. Eaton H-Max Series

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3. ABB ACH550
4. Cerus Industrial P Series
5. Danfoss VLT HVAC Drive
6. GE AF-600 FP
7. Allen-Bradley PowerFlex 700
8. Toshiba VF-FSI
9. Yaskawa E7 Series
10. Siemens Micromaster”

8. Section 232123 – Hydronic Pumps: **ADD** Sub-paragraph 2.3 8. As follows:

“8. Where scheduled on the drawings, the pump shall be furnished with an integral VFD with “Smart” control, inclusive of differential pressure and temperature sensing, for complete control as specified (typical for the Magna 3 circulators).”

9. Section 232123 – Hydronic Pumps: **ADD** Sub-paragraph 2.4 9. as follows:

“9. Where scheduled on the drawings, pumps shall include on-board VFD, controlled through the BAS (typical for the 2.5 LPE 5/5.0 circulators).”

CHANGES TO THE DRAWINGS

1. Sheet PL-400: **DELETE** reference to Boiler N^o5 as outlined in SKP-3, attached.
2. Sheet PL-100: Refer to SKP-5, attached for deleted key note N^o 3 and deleted note.
3. Sheet PL-102 Refer to SKP-6, attached for existing domestic piping completed under phase N^o1.
4. Sheet MH-101: Refer to SKM-1, attached for revisions to the Humidifier and Humidistat requirements for the OR's.
5. Sheet MH-400: **DELETE** the entire sheet. **ADD** in its place Sheet MH-400, with Revision N^o1, attached.
6. Sheet MH-600: **REVISE** the Pump schedule and **ADD** an Air Control Schedule as outlined on SKM-2, attached.

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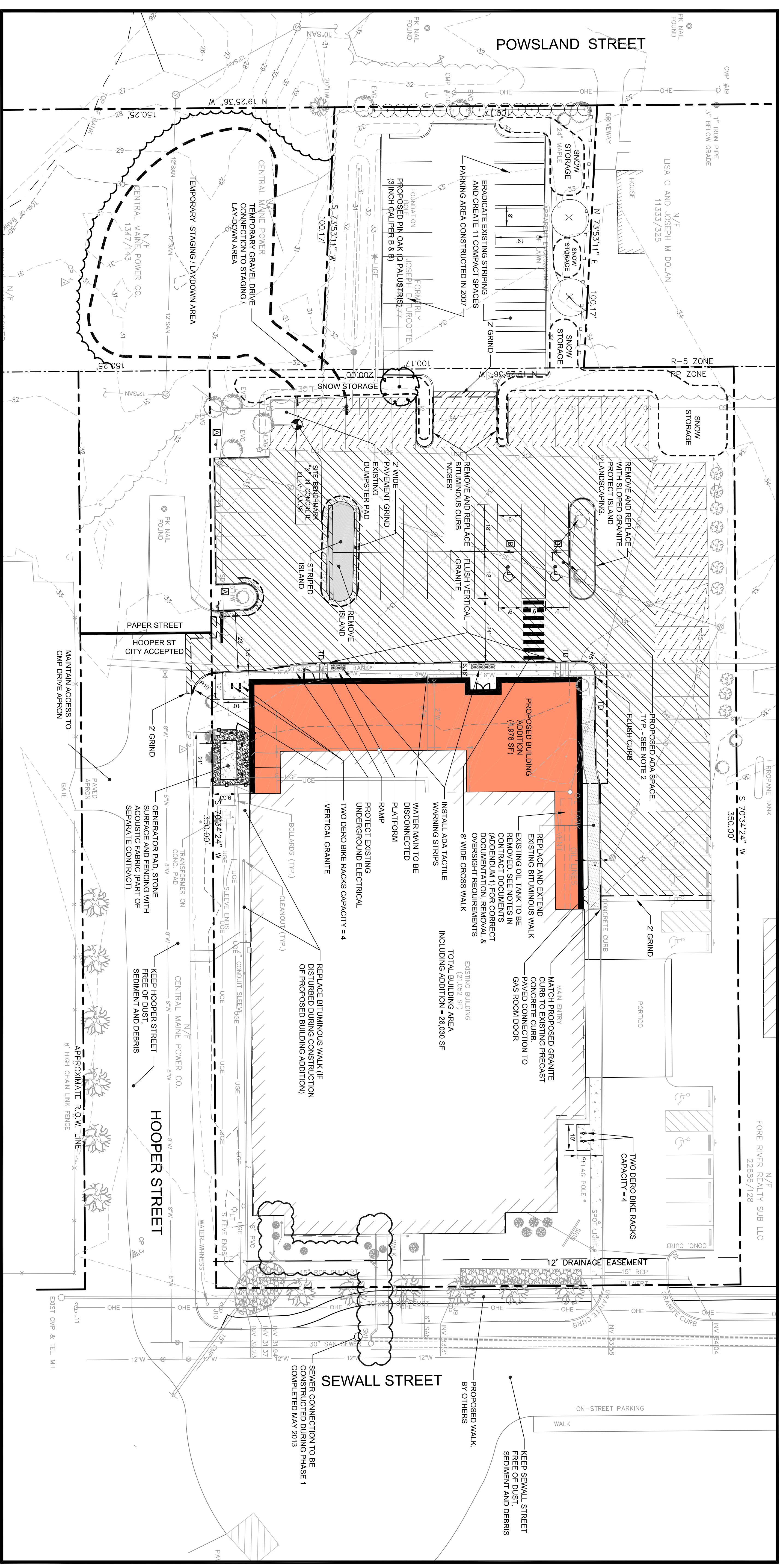
Attachments: SKP-3, SKP-5, SKP-6, MH-400, SKM-1, SKM-2

PART V- ADDENDUM FOR ELECTRICAL SPECIFICATIONS AND DRAWINGS:

- 1.** Sheet EL-101: **REVISE** Med. Room B124 lighting layout as shown on SKE-01.
- 2.** Sheet EP-101: At Post Op B109, **DELETE** (6) wall mounted tel/data outlets mounted at 48".
Add in their place: (6) wall mounted telephone outlets mounted at 48".
- 3.** Sheet EP-500: **REVISE** Electrical Schedule of Mechanical Equipment as outlined in SKE-3, attached.
- 4.** Sheet EP-600: **REVISE** Panel Schedule – C1 as outlined in SKE-1, attached.
- 5.** Sheet EP-601: **REVISE** Panel Schedule – C2 as outlined in SKE-2, attached.

Attachments: SKE-01, SKE-1, SKE-2, and SKE-3

END OF ADDENDUM



PLAN VIEW
SCALE: 1" = 20'

LEGEND

[Orange Box]	PROPOSED BUILDING ADDITION
[Hatched Box]	FULL DEPTH STANDARD DUTY PAVEMENT - MEETING CITY STREET STANDARDS
[Hatched Box]	NEW PAVEMENT OVER RECLAIMED BASE MATERIAL
[Hatched Box]	1.25" BITUMINOUS OVERLAY
[Hatched Box]	PROPOSED CONCRETE SIDEWALK
[Hatched Box]	VERTICAL GRANITE CURB
[Hatched Box]	SLOPED GRANITE CURB
[Hatched Box]	BITUMINOUS CONCRETE CURB
[Line]	TIPODOWN

SIGN LEGEND

[STOP Sign]	R1-1 (12'x24')
[Handicap Sign]	R7-8 (12'x18')
[Other Sign]	A
[Other Sign]	B

NOTES:

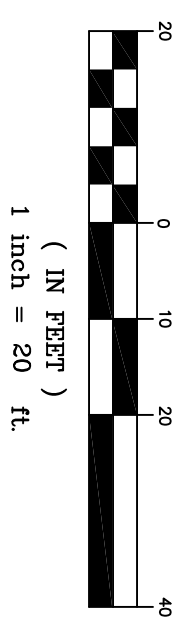
1. THE GENERATOR PAD WILL BE INSTALLED PRIOR TO THIS PROJECT. HOWEVER, THE FENCE AND ACoustic FABRIC WILL NOT BE INSTALLED UNTIL THE BUILDING CONSTRUCTION BEGINS. THE FENCE AND ACoustic FABRIC WILL BE REINSTALLED TO PROVIDE ADA COMPLIANT GRADING AND ACCESS ROUTE INTO BUILDING.
2. ALL PAVEMENT AREA DISTURBED BY PROJECT TO BE RE-STRIPPED TO MATCH PLAN.
3. LANDSCAPED ISLAND TO BE OCCUR WITHIN PAPER STREET PORTION OF HOOPER STREET.
4. NO DISTURBANCE IS TO OCCUR WITHIN PAPER STREET PORTION OF HOOPER STREET.
5. STREET PORTION OF HOOPER STREET

PARKING SUMMARY TABLE

PROPOSED TOTAL BUILDING AREA	26,030 SF
REQUIRED PARKING	63 SPACES
EXISTING PARKING	94 SPACES
PARKING LOSS	11 SPACES
NET PROPOSED PARKING	83 SPACES



GRAPHIC SCALE



REVISIONS

REV	DATE	DESCRIPTION
1	05.22.13	DESIGN DEVELOPMENT
2	06.03.13	LEVEL II SITE PLAN SUBMISSION
3	06.13.13	RELEASED FOR BID
4	06.25.13	REVISED PER ADDENDUM #1
5	07.01.13	REVISED PER CITY COMMENTS
6	07.09.13	REVISED TO ELIMINATE DISTURBANCE IN PAPER STREET
7	07.19.13	REVISED PER ADDENDUM #3

PROJECT

EYECARE MEDICAL GROUP PHASE 2 - ADDITION & RENOVATION

SITE LAYOUT PLAN

PDT ARCHITECTS

CLIENT: **PDT ARCHITECTS**

ZONING: RP ZONE

DESCRIPTION	REQUIRED / ALLOWED	PROPOSED
PROFESSIONAL OFFICE USE	PERMITTED	PERMITTED
MIN. LOT SIZE	6,000 SF	70,000 SF
MIN. FRONTAGE	60 FT	200 FT
LOT WIDTH	60 FT	200 FT
SETBACKS		
- FRONT	20 FT	20 FT
- SIDE (1 STORY CORNER)	15 FT	15 FT
- REAR	20 FT	112 FT
MAX IMPERVIOUS SURFACE RATIO	80%	77%
FLOOR AREA RATIO	65%	37%
PARKING SPACE SIZE	9' X 18'	8' X 18' AND 9' X 19'
PARKING RATIO (1 SPACE/400 SF FOR PROFESSIONAL OFFICE)	65 (BASED ON 26,030 SF BUILDING)	85
HANDICAPPED PARKING SPACES	3	8

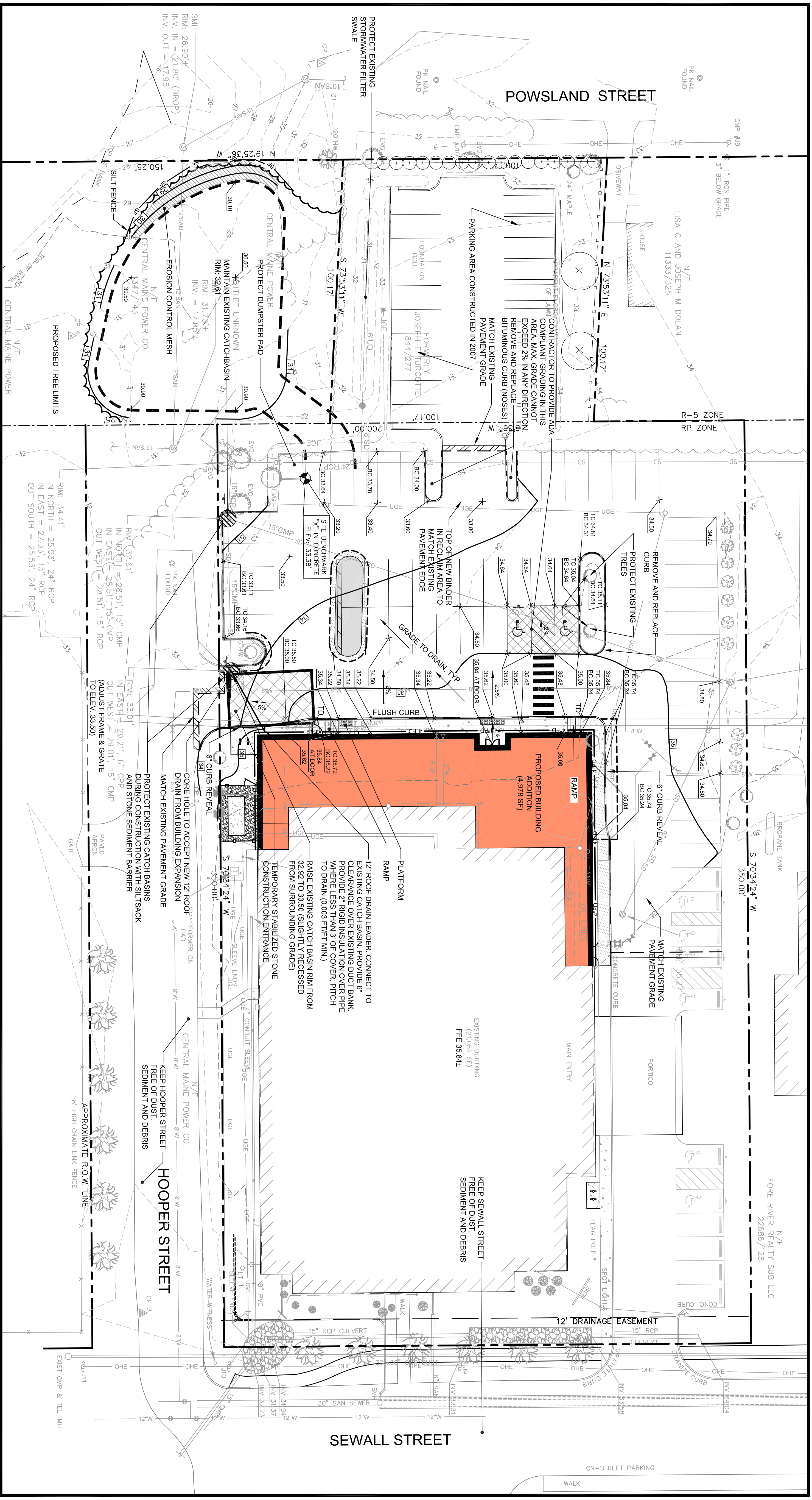
DRAWN: LA DATE: MAY 2013

DESIGNED: RBW SCALE: 1" = 20'

CHECKED: SRB JOB NO. 3165

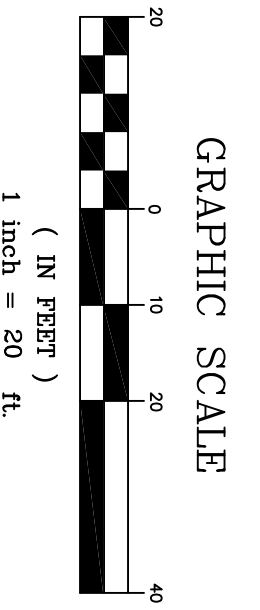
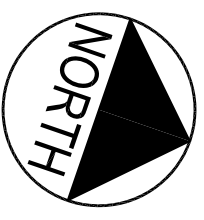
FILE NAME: 3165-SP

SHEET: C-2.0

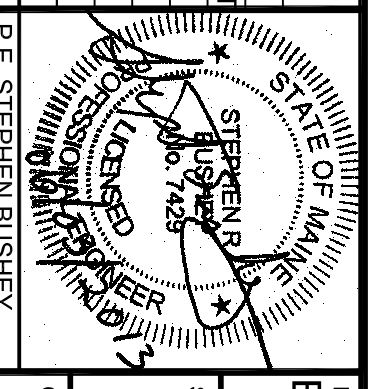


PLAN VIEW
SCALE: 1" = 20'

NOTE:
SEE C-2.0 FOR PAVEMENT DESIGNATIONS
SEE C-7.0 FOR DRAINAGE PROFILES

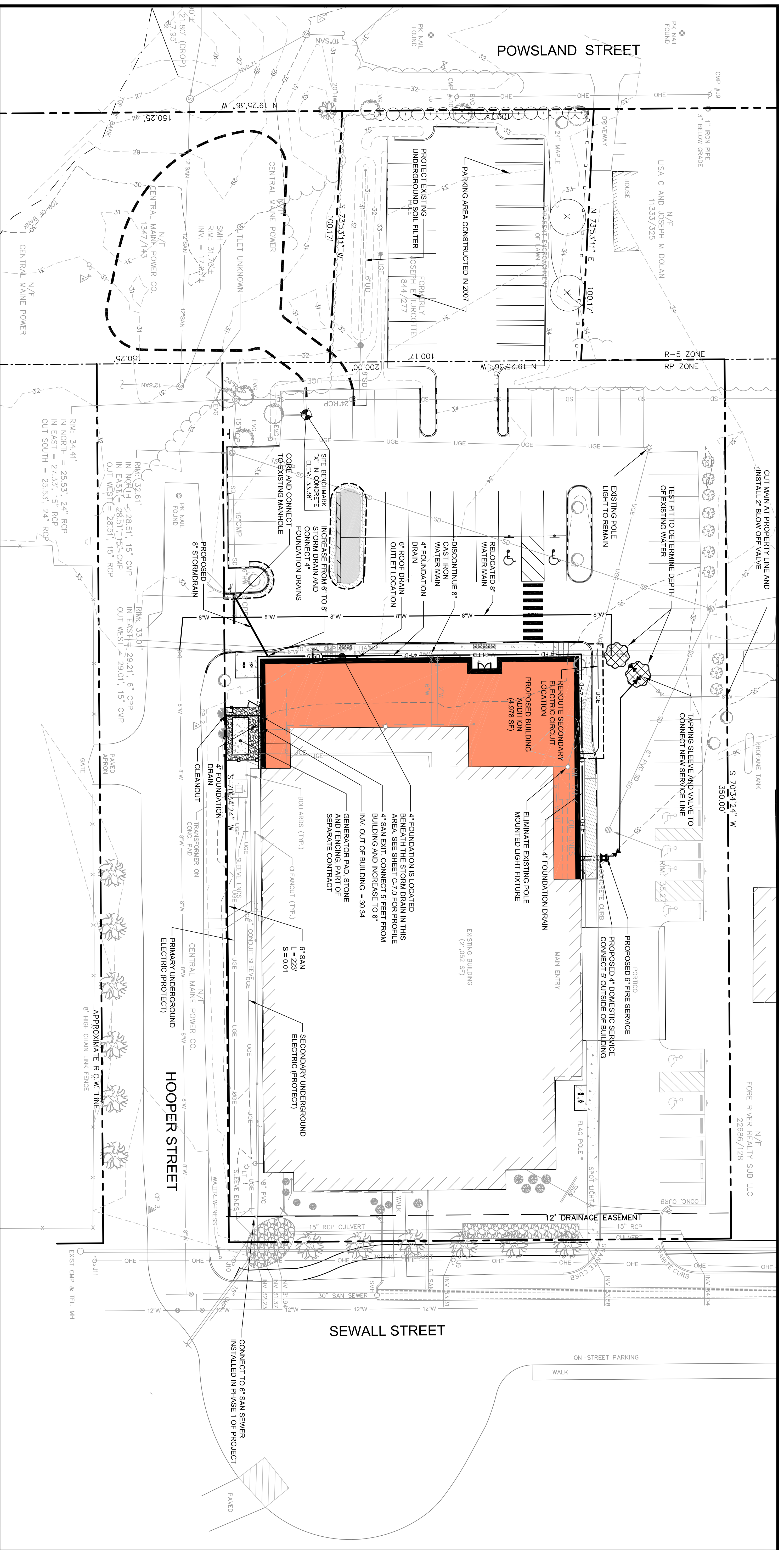


REV	DATE	DESCRIPTION
1	05.22.13	DESIGN DEVELOPMENT
2	06.03.13	LEVEL II SITE PLAN SUBMISSION
3	06.25.13	REVISED PER ADDENDUM #1
4	07.01.13	REVISED PER CITY COMMENTS
5	07.09.13	REVISED TO ELIMINATE DISTURBANCE IN PAPERS
6	07.19.13	REVISED PER ADDENDUM #3
7	07.19.13	REVISED PER ADDENDUM #3



PROJECT: **DELCUCA-HOFFMAN ASSOCIATES, INC.**
 2 - ADDITION & RENOVATION
 SHEET TITLE: **GRADING, DRAINAGE AND EROSION CONTROL PLAN**
 CLIENT: **PDT ARCHITECTS**

DH DeLUCA-HOFFMAN ASSOCIATES, INC.
 778 MAIN STREET, SUITE 8
 SOUTH PORTLAND, ME 04106
 207.753.1212
 WWW.DELUCAHOFFMAN.COM
 DRAWN: R.W. DATE: MAY 2013
 DESIGNED: R.W. SCALE: 1" = 20'
 CHECKED: SRB | JOB NO. 3165
 FILE NAME: 3165-SP
 SHEET: **C-3.0**

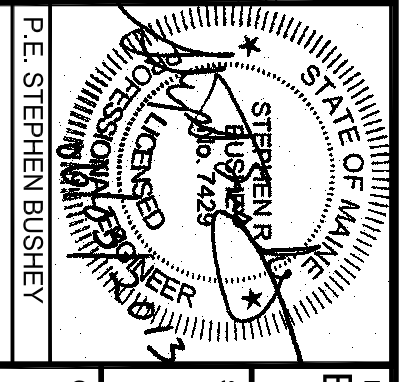


- NOTES:**
1. PLAN DOES NOT SHOW LOCATION OF NATURAL GAS SERVICE FROM EXISTING SITE BY UTIL LINKS CONNECTION ON THE EASTERN SIDE OF THE BUILDING.
 2. SEE DRAWING C-5.0 FOR LIGHTING AND PHOTOMETRICS. CMP TO BE NOTIFIED PRIOR TO ANY WORK ADJACENT TO CMP DUCT BANK.
 3. FINAL ROUTING AND LOCATION OF PROPOSED WATER LINE TO BE COORDINATED WITH PORTLAND WATER DISTRICT.

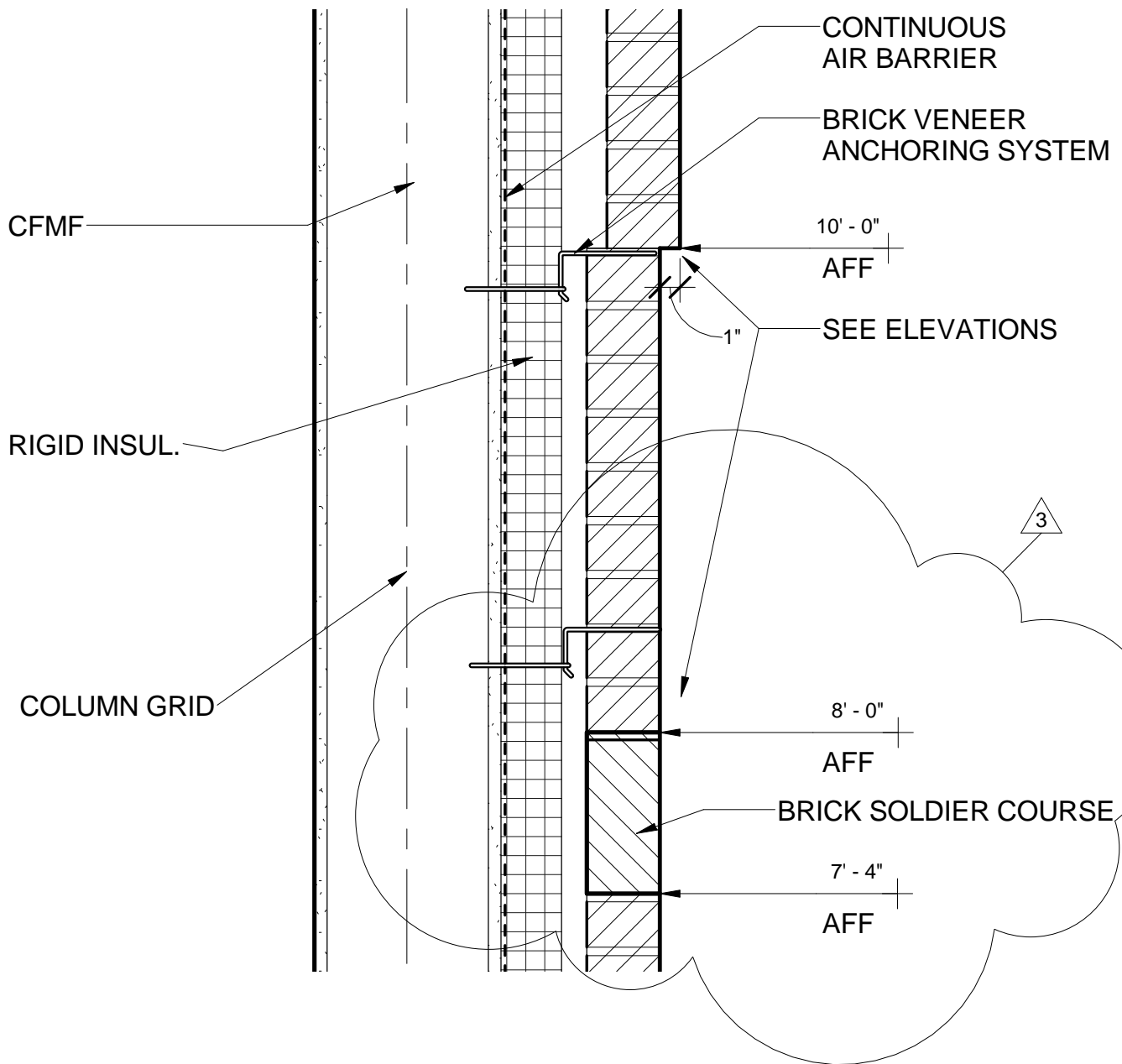


GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

REV	DATE	DESCRIPTION
1	05.22.13	DESIGN DEVELOPMENT
2	06.03.13	LEVEL II SITE PLAN SUBMISSION
3	06.13.13	RELEASED FOR BID
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7	07.19.13	REVISED PER ADDENDUM #3



PROJECT EYECARE MEDICAL GROUP PHASE 2 - ADDITION & RENOVATION	 DeLUCA-HOFFMAN ASSOCIATES, INC. 778 MAIN STREET, SUITE 8 SOUTH PORTLAND, ME 04106 WWW.DELUCAHOFFMAN.COM
SHEET TITLE UTILITY PLAN	
CLIENT PDT ARCHITECTS	DRAWN: LA DATE: MAY 2013 DESIGNED: RJW SCALE: 1" = 20' CHECKED: SRB JOB NO. 3165 FILE NAME: 3165-SP SHEET: C-4.0



Checker

1 TYPICAL DETAIL AT MIDDLE OF EXTERIOR WALL-ADD 3
 1 1/2" = 1'-0"

ADDENDUM 3



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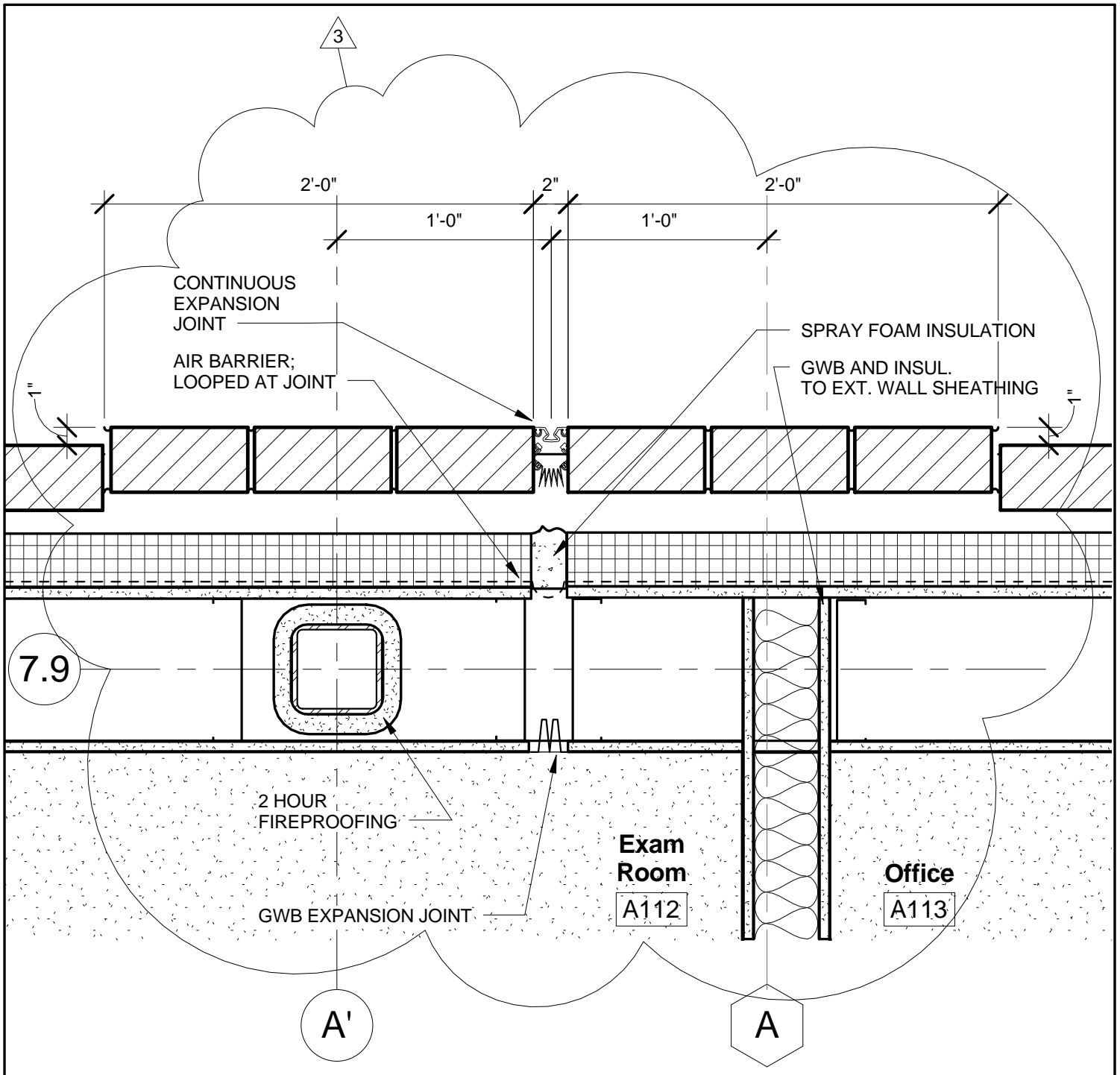
E. M. G.-PHASE 2-ADDITION & RENOVATION
 53 Sewall Street, Portland, ME 04102

TITLE
 TYP. MID WALL DETAIL W/ SOLDIER

JOB # 12084
 DATE 7-22-2013 07/22/13
 SCALE 1 1/2" = 1'-0"

SHEET
 SKA-4

C:\Users\klein\Documents\EMG-12084-Central_REDESIGN_ph2-3_klein.rvt



Checker

1 PLAN DETAIL AT EXPANSION JOINT-REVISED
 1 1/2" = 1'-0"

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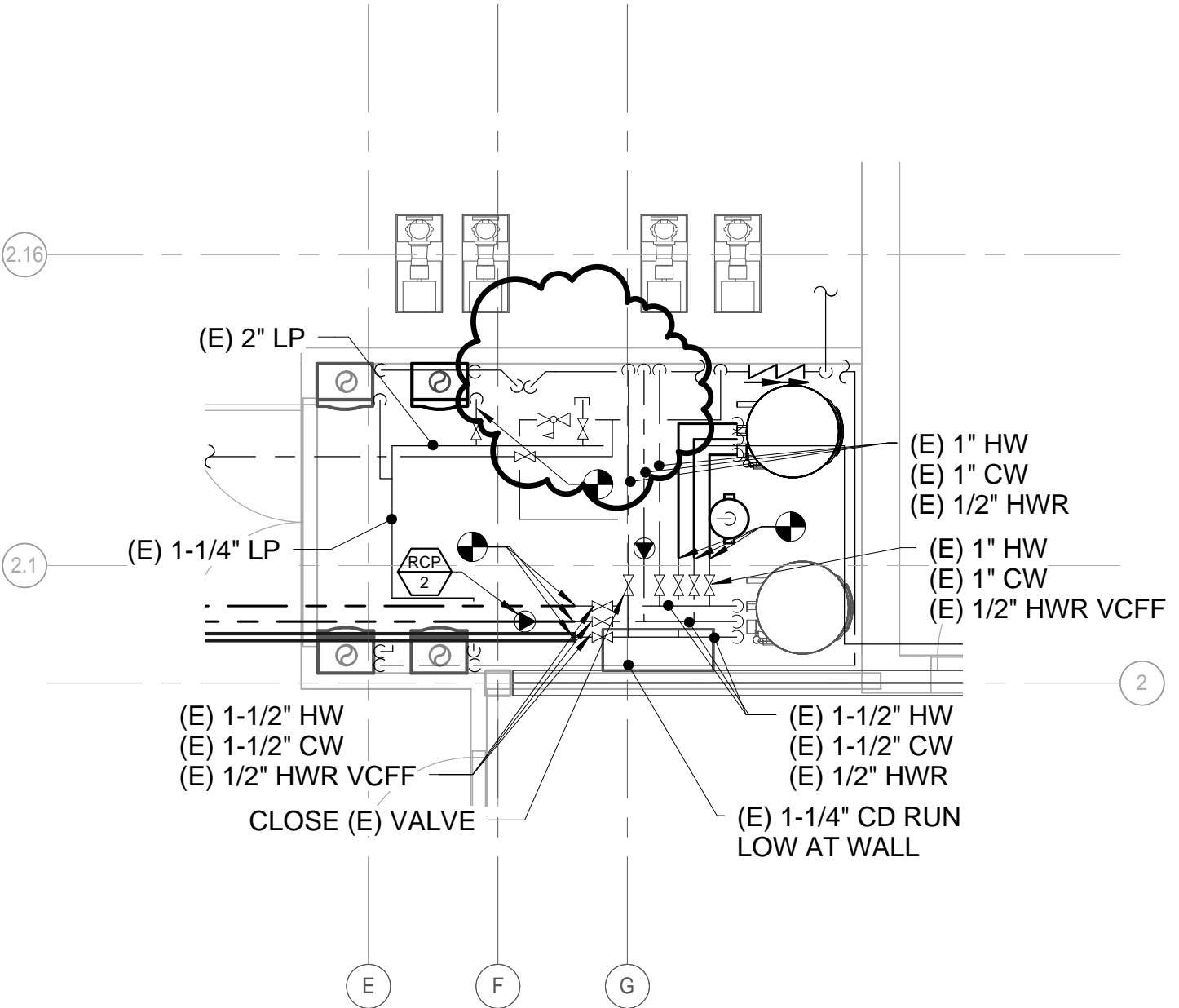
E. M. G.-PHASE 2-ADDITION & RENOVATION
 53 Sewall Street, Portland, ME 04102

TITLE
 Plan Detail at Expansion Joint -
 Revised

JOB # 12084
 DATE 7-22-2013
 SCALE 1 1/2" = 1'-0"

SHEET
 SKA-5

C:\Users\klem\Documents\EMG-12084-Central_REDESIGN.ph2-3_klein.rvt



ADDENDUM-3



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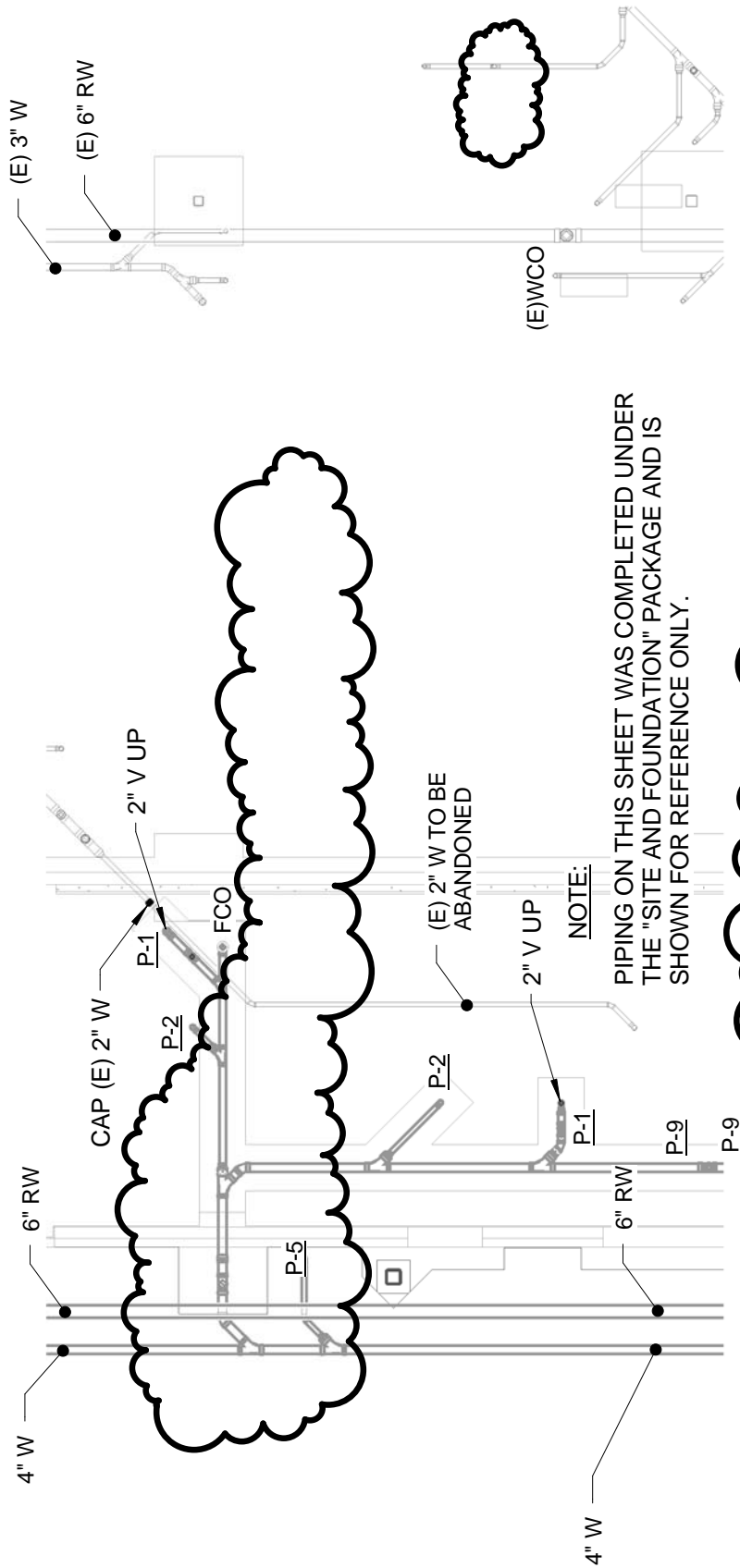
TITLE
DELETED BOILER
PL400/A1

JOB # 12084

DATE 07-22-2013

SCALE 1/4" = 1'-0"

SHEET
SKP-3



PIPING ON THIS SHEET WAS COMPLETED UNDER THE "SITE AND FOUNDATION" PACKAGE AND IS SHOWN FOR REFERENCE ONLY.

NOTE:

KEYED NOTES:

- 1 FIXTURE DESIGNATION IS FOR REFERENCE ONLY COORDINATING ROUGH-IN & SIZING REQUIREMENTS. FIXTURES WILL BE FURNISHED AND INSTALLED WITHIN THE FIT-UP PACKAGE (TYP.).
- 2 EXTEND 3" CW SERVICE INTO EXISTING SPRINKLER ROOM (RUN ABOVE CEILING) AND CONNECT, TEMPORARILY, TO EXISTING 2" SERVICE. FIT-UP PACKAGE WILL UPGRADE THIS SERVICE TO MEET ADDITIONAL DEMAND.

ADDENDUM-3



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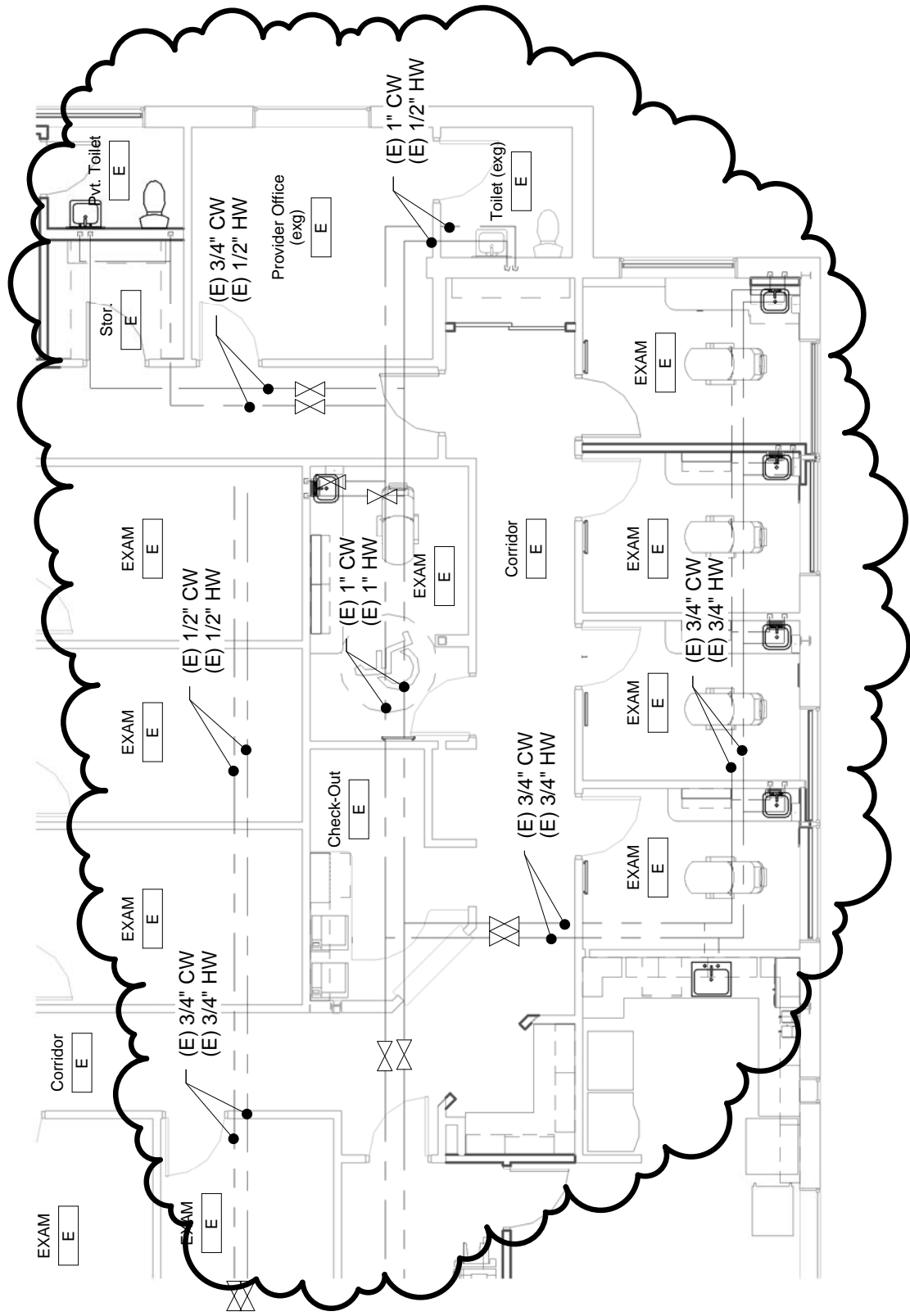
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E.M.G.-PHASE 2-ADDTION & RENOVATION
53 Sewall Street, Portland, Maine 04102

TITLE
DELETED UNDER SLAB PIPING KEY
NOTE #3 AND NOTE - PL100/A1

JOB #	12084
DATE	07-22-2013
SCALE	1/8" = 1'-0"

SHEET
SKP-5



ADDENDUM-3



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53 Sewall Street, Portland, Maine 04102

TITLE
EXISTING DOMESTIC WATER
PIPING COMPLETE UNDER PHASE 1

JOB #	12084
DATE	07-22-2013
SCALE	1/8" = 1'-0"

SHEET
SKP-6

Checker

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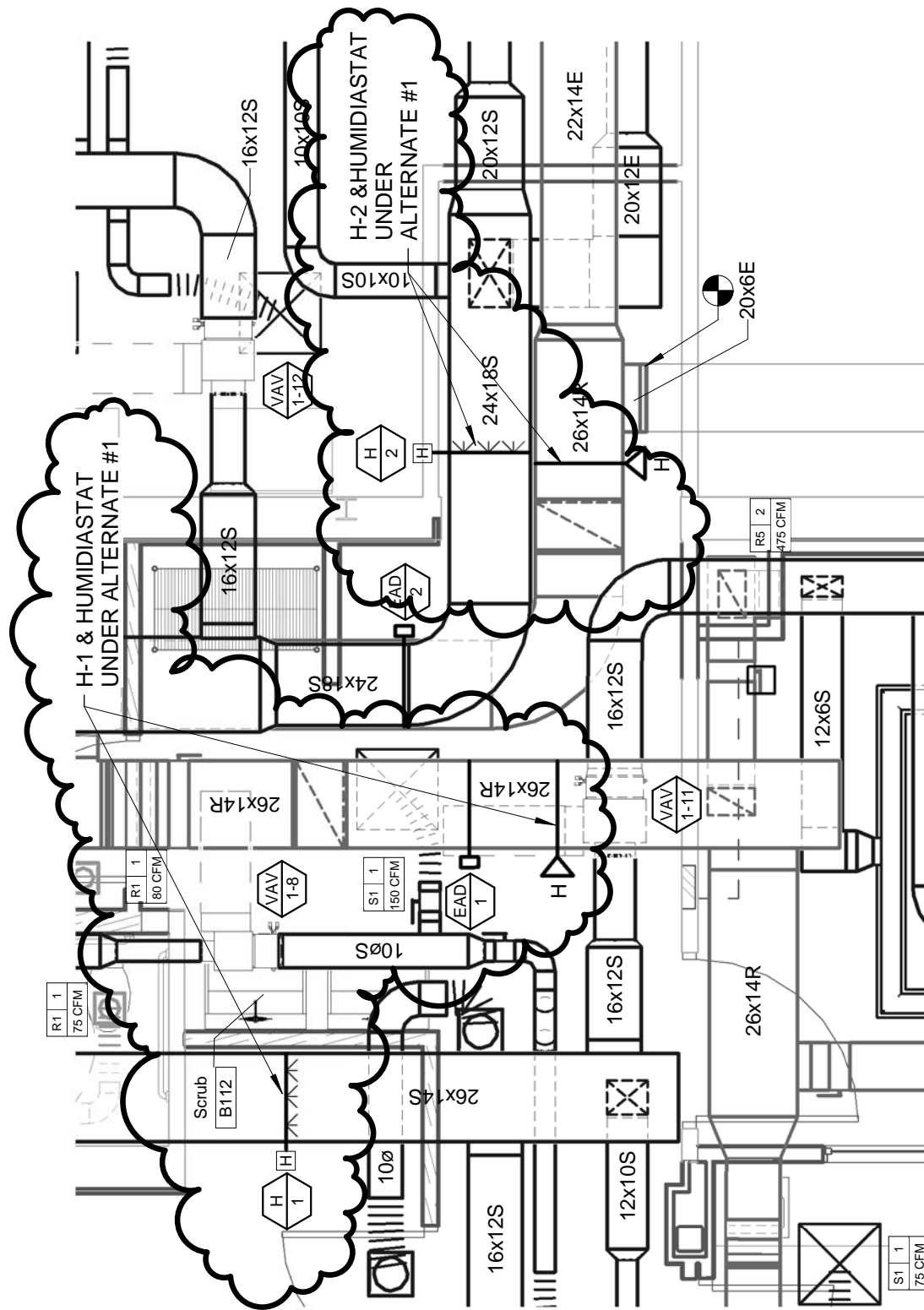
E.M.G.-PHASE 2-ADDTION & RENOVATION
53 Sewall Street, Portland, Maine 04102

TITLE
HUMIDIFIER 1, 2 & HUMIDISTAT
UNDER ALTERNATE #1 - MH101/A1

JOB # 12084
DATE 07-22-2013
SCALE 1/4" = 1'-0"

SHEET
SKM-1

ADDENDUM-3



ELECTRONIC STEAM GENERATING HUMIDIFIER SCHEDULE (ALTERNATE #1)

UNIT NO.	MFR. - MODEL	LOCATION	SERVICE	HUMID. LOAD, LBS/HR	UNIT MAX. CAPACITY, LBS/HR	ELECTRICAL			DUCT CONNECTIONS			DUCT DISTRIBUTION TUBE			NOTES			
						V-PP-HZ	AMPS	CONTROL INPUT SIGNAL	DUCT CFM	E.A.T. DB	LEAVING DB	ABSORB. TUBE DIST. (IN.)	TUBE QTY	DUCT WIDTH (INCHES)		DUCT HEIGHT (INCHES)		
H-1	DRU-STEEM MODEL VM-6	CEILING	OR 3+4	14	18	4803	10.8	0 - 10 VDC	2,885	52	0	55	76.5	DRU-STEEM "RAPID-SORB" 1.5"	2	28	14	1
H-2	DRU-STEEM MODEL VM-6	CEILING	OR 1+2	14	18	4803	10.8	0 - 10 VDC	2,850	52	0	55	76.5	DRU-STEEM "RAPID-SORB" 1.5"	2	24	16	1

NOTES:
1. UNDER THE BASE BID, PROVIDE 5 LF OF STAINLESS STEEL DUCT WITH A SLOPED DRAIN PAN BASE AND CAPPED NIPPLE FOR FUTURE DRAIN LINE, AT THE AREA OF THE HUMIDIFIER LOCATION.



ARCHITECTURE
INTERIOR DESIGN
PLANNING

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E.M.G.-PHASE 2-ADDTION & RENOVATION
53 Sewall Street, Portland, Maine 04102

TITLE
REVISED PUMP & ADDED AIR
CONTROL SCHEDULES - MH-600/A1

JOB # 12084
DATE 07-22-2013
SCALE

SHEET
SKM-2

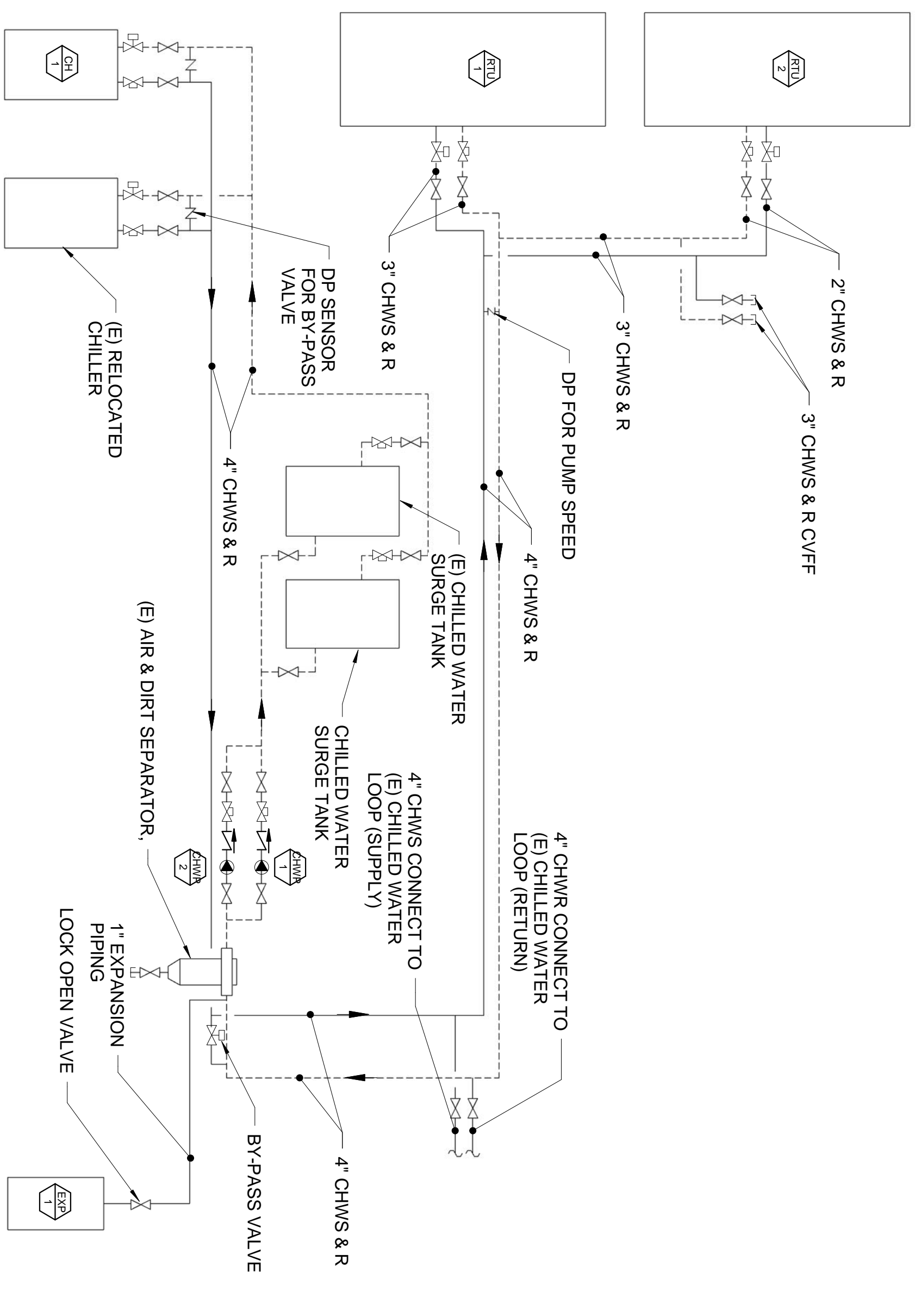
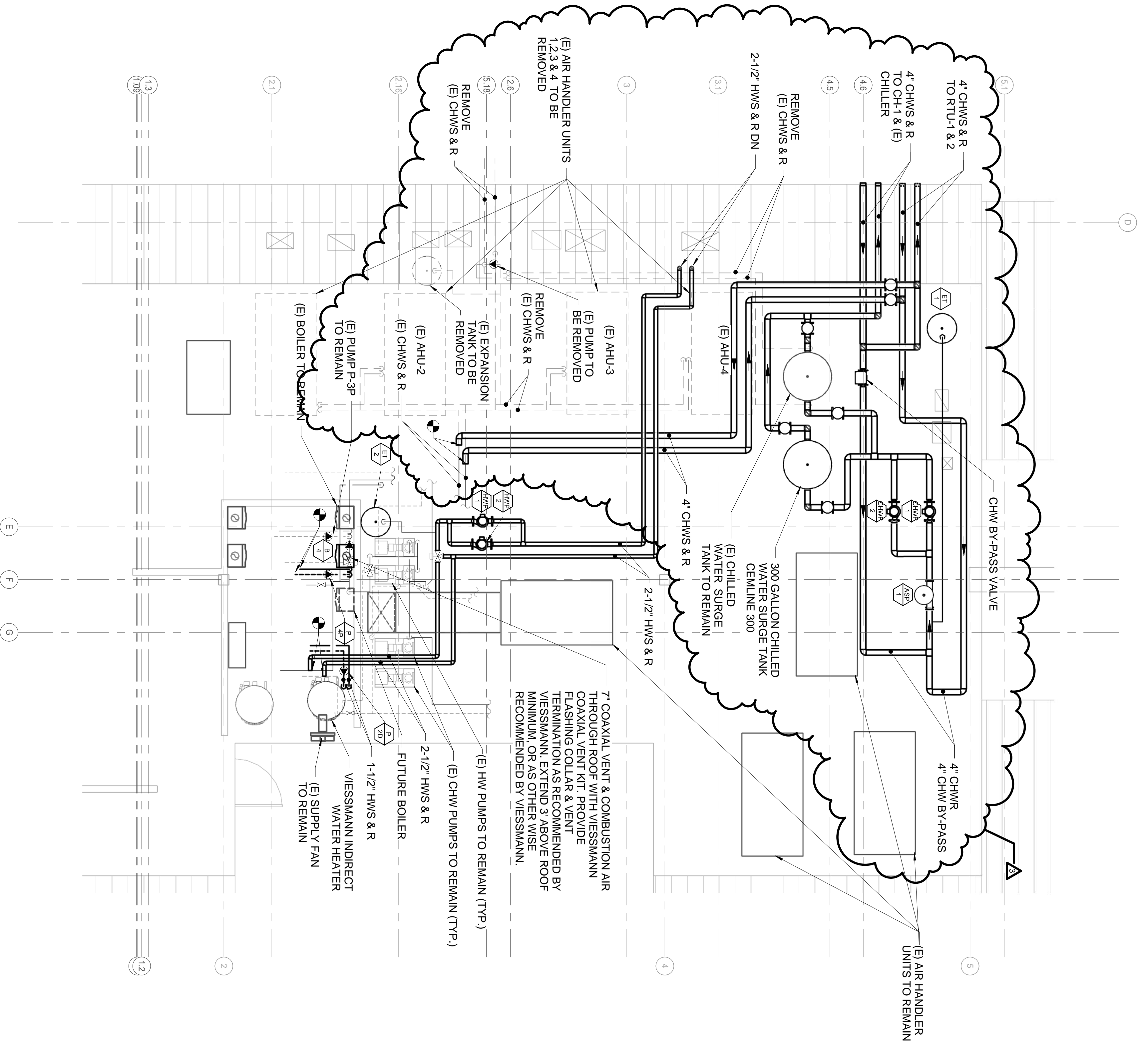
PUMP SCHEDULE

TAG	SYSTEM	MFR.	MODEL	SUCT X DISCH	SUCTION DIFFUSER	TYPE	PUMPED FLUID	PERFORMANCE				ELECTRICAL COORDINATION			NOTES		
								GPM	HEAD	RPM	NPSH	MOTOR HP	VOLTS/PH (60 Hz.)	VFD FURN. BY		STARTER FURN. BY	DISC. SWITCH FURN. BY
P-4P	HEATING	GRUNDFOS	UPS 40-160/2	1 1/2"X1 1/2"	NO	IN-LINE CIRCULATOR	WATER	35	40	3450	5'	0.75	120/1	N/A	DIV 26	DIV 26	
P-3D	DOM WATER	GRUNDFOS	UPS 40-160/2	1 1/2"X1 1/2"	NO	IN-LINE CIRCULATOR	WATER	25	41	3450	5'	0.75	120/1	N/A	DIV 26	DIV 26	
CHWP-1	CHILLED WATER	GRUNDFOS	2.5 LPE 55.0	2 1/2"X2 1/2"	NO	IN-LINE CIRCULATOR	35 PG	150	80	-	5.86	7.5	480/3/60	On board	DIV 26	DIV 26	
CHWP-2	CHILLED WATER	GRUNDFOS	2.5 LPE 55.0	2 1/2"X2 1/2"	NO	IN-LINE CIRCULATOR	35 PG	150	80	-	5.86	7.5	480/3/60	On board	DIV 26	DIV 26	
HWP-1	SECONDARY HOT WATER	GRUNDFOS	MAGNA3 40-180 F N	1-1/2"X1-1/2"	NO	IN-LINE CIRCULATOR	WATER	45	40	4001	-	1	208-230/160	Integral	DIV 26	DIV 26	
HWP-2	SECONDARY HOT WATER	GRUNDFOS	MAGNA3 40-180 F N	1-1/2"X1-1/2"	NO	IN-LINE CIRCULATOR	WATER	45	40	4001	-	1	208-230/160	Integral	DIV 26	DIV 26	

AIR CONTROL SCHEDULE

	CHW	HW
SECONDARY SYSTEM	CHW	HW
ASSOCIATED PUMPS	CHWP-1 & 2	-
PIPE MAIN SIZE	4"	-
AIR SEPARATOR	-	-
MFR-MODEL	TACO - 4804 AD	-
INLET/OUTLET	4"	-
STRAINER	YES	-
BLADDER-TYPE EXPANSION TANK	ET-1	ET-2
MFR-MODEL	TACO CA-90	TACO CA-90
SYSTEM HEIGHT, FT	20	20
STATIC PRESSURE AT TANK, PSI	17.3	17.3
PSI REQD. AT HIGHEST TERM UNIT	5	5
TANK PRE-CHARGE PRESSURE	22.3	22.3
TANK DIAMETER	20"	20"
TANK HEIGHT	32"	32"
ACCEPTANCE VOL VOLUME	23 GAL	27 GAL
WATERLOGGED WEIGHT (LBS.)	312	312
ASME PRESSURE RATING	125	125

ADDENDUM-3



A1 REVISED MECHANICAL PENTHOUSE PLAN - PHASE 2

A6 CHILLED WATER SCHEMATIC REISSUED

No.	DATE	DESCRIPTION
3	07-22-2013	ADDENDUM 3
REVISION SCHEDULE		



SHEET
MH400

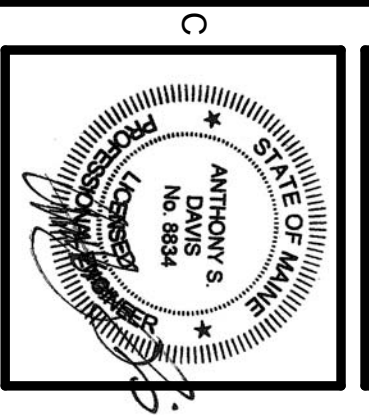
TITLE
MECHANICAL PENTHOUSE PART PLAN

ISSUE:
JULY 11, 2013

SCALE:
As indicated

DRWN. CHK
Checker

PDT JOB NO.
12084



E.M.G. - PHASE 2 ADDITION & RENOVATION

53 Sewall Street, Portland, ME 04102

ALLIED PROJECT NO.:
12084
CAD FILE:

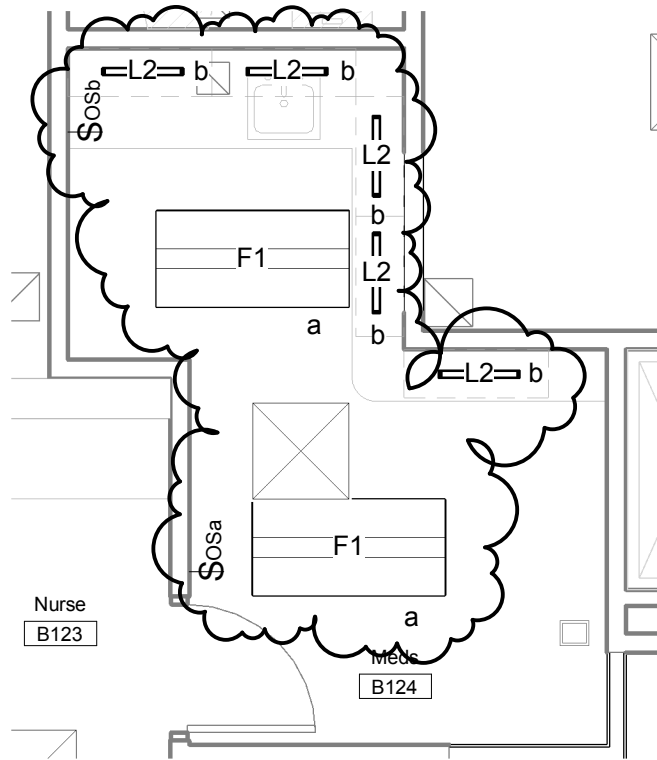
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P D T



ADDENDUM-3



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E.M.G.-PHASE 2-ADDTION & RENOVATION

53 Sewall Street, Portland, Maine 04102

TITLE
REVISED MED ROOM B124
LIGHTING

JOB # 12084

DATE 07-22-2013

SCALE 1/4" = 1'-0"

SHEET
SKE-01

Checker

N:\Projects\2012\12064 - Eyecare Medical Group-Addition and Renovation\00 Drawing Files\12064_E.rvt

PANEL SCHEDULE ~ C1

VOLTAGE: 480/277V				MLO: 225A			AIC: 10KA
3-PHASE, 4-WIRE				CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION
CIRCUIT BREAKER							
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C	
1	60	3	A	11.38			RTU-1
3			B		11.38		
5			C			11.38	
7	20	3	A	2.60			RTU-2
9			B		2.60		
11			C			2.60	
13			A				PROVIDE BRANCH CIRCUIT BREAKER AMPERE RATINGS AND POLE CONFIGURATIONS AS APPROPRIATE FOR BRANCH CIRCUIT REQUIREMENTS. PROVIDE 20A, 1P SPARE CIRCUIT BREAKERS AT ALL UNUSED POLE PLACES.
15			B				
17			C				
19			A				
21			B				
23			C				
25			A				
27			B				
29			C				
31			A				
33			B				
35			C				
37			A				
39			B				
41			C				
SUBTOTAL				13.98	13.98	13.98	

ADDENDUM-3



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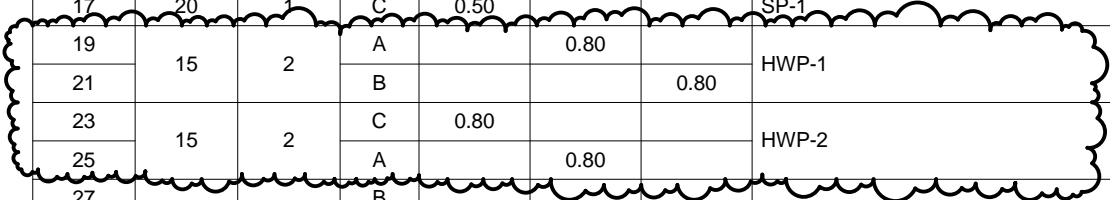
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E.M.G.-PHASE 2-ADDTION & RENOVATION 53 Sewall Street, Portland, Maine 04102		
TITLE PANEL C1 SCHEDULE UPDATES - DWG. EP600	JOB # 12084 DATE 07-22-2013 SCALE	SHEET SKE-1

Checked: _____
 \valled\cad\Projects\2012\12064 - Eyecare Medical Group-Addition and Renovation\00 Drawing Files\12064_E.rvt

PANEL SCHEDULE ~ C2

VOLTAGE: 208/120V				MLO: 225A			AIC: 10KA
3-PHASE, 4-WIRE							
CIRCUIT BREAKER				CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C	
1	15	1	A	0.20			EF-1
3	15	1	B		0.20		EF-2
5	15	1	C			0.20	EF-3
7	15	1	A	0.20			EF-4
9	15	1	B		0.20		EF-5
11	15	1	C			0.20	EF-6
13	15	1	A	0.20			EF-7
15	20	1	B		0.80		DHW RECIRC PUMP RCP-2
17	20	1	C	0.50			SP-1
19	15	2	A		0.80		HWP-1
21			B			0.80	
23	15	2	C	0.80			HWP-2
25			A		0.80		
27			B				
29			C				
31			A				
33			B				
35			C				
37			A				
39			B				
41			C				
43			A				
45			B				
47			C				
49			A				
51			B				
53			C				
55			A				
57			B				
59			C				
61			A				
63			B				
65			C				
67			A				
69			B				
71			C				
SUBTOTAL				1.90	2.80	1.20	



PROVIDE BRANCH CIRCUIT BREAKER AMPERE RATINGS AND POLE CONFIGURATIONS AS APPROPRIATE FOR BRANCH CIRCUIT REQUIREMENTS. PROVIDE 20A, 1P SPARE CIRCUIT BREAKERS AT ALL UNUSED POLE PLACES.

ADDENDUM-3



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TITLE
PANEL C2 SCHEDULE UPDATES -
DWG. EP601

JOB #	12084
DATE	07-22-2013
SCALE	

SHEET
SKE-2

Checked: _____
Valled/cad/Projects/2012/12064 - Eyecare Medical Group-Addition and Renovation/00 Drawing Files/12064_E.rvt

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT

TAG	DESCRIPTION	VOLTS	PH	LOAD	MCA	MOPD	FRAME			DISCONNECT SWITCH			FBD	SIZE YED	STARTER (NEMA)			PANEL	WIRING IN CONDUIT	NOTES
							FRAME	POLES	FUSE	NEMA ENCL.	FBD	FBD			CBD					
P-HP	HEATING CIRC. PUMP	120	1	0.75 HP	13.8	25A	30	2	NF	1	26	0	26	23	GEN3	2#10, 1#10G-3/4"C	5			
P-20	DOM WATER CIRC. PUMP	120	1	0.75 HP	13.8	25A	30	2	NF	1	26	0	26	23	GEN3	2#10, 1#10G-3/4"C	5			
CHWP-1	CHILLED WATER PUMP	460	3	7.5 HP	11.0	20A	30	3	NF	1	26	23	26	23	SEP	3#12, 1#12G-3/4"C				
CHWP-2	CHILLED WATER PUMP	460	3	7.5 HP	11.0	20A	30	3	NF	1	26	23	26	23	SEP	3#12, 1#12G-3/4"C				
HWP-1	SECONDARY HOT WATER PUMP	208	1	1 HP	8	15A	30	2	NF	1	26	23	26	23	C2	2#12, 1#12G-3/4"C				
HWP-2	SECONDARY HOT WATER PUMP	208	1	1 HP	8	15A	30	2	NF	1	26	23	26	23	C2	2#12, 1#12G-3/4"C				
RCP-2	DHW REGRIC. PUMP	120	1	1/8 HP		20A	30	2	NF	1	26	0	26	23	C2	2#12, 1#12G-3/4"C				
SP-1	ELEV SHLP PUMP	120	1	0.4 HP		20A	30	2	NF	1	26	0	26	23	C2	2#12, 1#12G-3/4"C	4			
B-4	BOILER	120	1		12	20A	30	2	NF	1	26				GEN3	2#12, 1#12G-3/4"C	5			
AOC-2	AIR COOLED CHILLER	460	3		94.6	110A					23			23	SEP	3#10, 1#6G-1-1/2"C				
RTU-1	AIR HANDLER UNIT- SUPPLY (9695 CFM)	460	3	(2) 10HP	41.1	60A					23	23	23	23	C1	3#4, 1#10G-1-1/2"C	2.3			
RTU-2	AIR HANDLER UNIT- RETURN (9695 CFM)	460	3	(2) 3HP							23	23	23	23	C1	3#12, 1#12G-3/4"C	2.3			
UH-1	UNIT HEATER	120	1	16W		15A	30	2	NF	1	26				N2	2#12, 1#12G-3/4"C				
EF-1	CEILING EXHAUST FAN- FUTURE ELEV MACH	120	1	144W			30	2	NF	1	26				C2	2#12, 1#12G-3/4"C				
EF-2	ROOF EXHAUST FAN- TOILET RMS	120	1	0.040HP			30	2	NF	3R	26				C2	2#12, 1#12G-3/4"C				
EF-3	CEILING EXHAUST FAN- MED GAS RM	120	1	62W			30	2	NF	1	26				C2	2#12, 1#12G-3/4"C				
EF-4	ROOF EXHAUST FAN- TOILET RMS	120	1	0.050HP			30	2	NF	3R	26				C2	2#12, 1#12G-3/4"C				
EF-5	ROOF EXHAUST FAN- SOIL HOLD	120	1	0.125 HP			30	2	NF	3R	26				C2	2#12, 1#12G-3/4"C				
EF-6	ROOF EXHAUST FAN- AUTOCLAVE	120	1	0.125 HP			30	2	NF	3R	26				C2	2#12, 1#12G-3/4"C				
EF-7	ROOF EXHAUST FAN- AUTOCLAVE	120	1	0.125 HP			30	2	NF	3R	26				C2	2#12, 1#12G-3/4"C				
H-1	STEAM GEN. HUMIDIFIER	480	3		10.8	15A	30	3	NF	1	26				N1	3#12, 1#12G-3/4"C				
H-2	STEAM GEN. HUMIDIFIER	480	3		10.8	15A	30	3	NF	1	26				N1	3#12, 1#12G-3/4"C				
NOTES:																				
1 LEADLAG																				
2 SINGLE POINT POWER CONNECTION																				
3 DUCT SMOKE DETECTOR FURNISHED AND WIRED TO FIRE ALARM BY DIV 26. INSTALLED IN DUCT AND WIRED TO HVAC CONTROLS BY DIV 23																				
4 PLUG IN RECEPTACLE BY DIV 26																				
5 EXTEND CIRCUIT AND CONNECT TO EXISTING PANEL. GEN3 LOCATED ON MAZZANINE PROVIDE CIRCUIT BREAKER WITH RATING AS INDICATED																				

ADDENDUM-3

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TITLE
ELEC. SCHEDULE OF MECH.
EQUIPMENT UPDATES - EP500

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