

MARTIN'S POINT - BUILDING 4

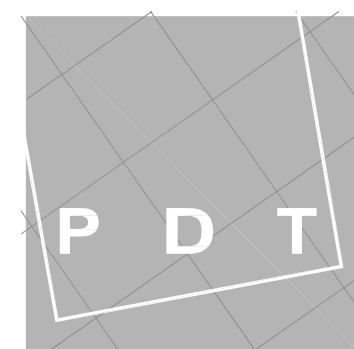
SHELL AND CORE RETROFIT

PERMIT SET

26 APRIL 2011

CLIENT:
MARTIN'S POINT
PORTLAND, MAINE

ARCHITECT:



ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarchs.com

CONSULTANTS:

- **STRUCTURAL**
 Becker Structural Engineers
 Portland, ME
- **MECHANICAL, ELECTRICAL, PLUMBING**
 Allied Engineering, Inc.
 Portland, ME

PROJECT DESCRIPTION AND GENERAL SCOPE OF WORK

SHELL AND CORE IMPROVEMENTS TO FACILITATE FUTURE TENANT FIT-UP. WORK WILL CONSIST OF IMPROVEMENTS TO THE EXISTING ENVELOPE, THE CONSTRUCTION OF TWO NEW PUBLIC RESTROOMS PER FLOOR, A NEW ELECTRICAL CLOSET PER FLOOR, A NEW TEL/DATA CLOSET PER FLOOR, STRUCTURAL IMPROVEMENTS, AND NEW MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS.

IBC 2009 BUILDING CODE SUMMARY

USE GROUP CLASSIFICATION: BUSINESS GROUP B

GENERAL BUILDING HEIGHTS/AREAS:
 PER SECTION 504, WITH AUTOMATIC SPRINKLER SYSTEM INCREASE, THE BUILDING HAS AN ALLOWABLE HEIGHT OF 75 FEET ABOVE GRADE PLANE, A LIMITATION OF 4 STORIES ABOVE GRADE PLANE, AND A BUILDING AREA LIMITATION OF 46,000 SF/STORY. THE BUILDING IS BELOW 55 FEET ABOVE GRADE PLANE, HAS THREE STORIES ABOVE GRADE PLANE, AND IS LESS THAN 8,000 SF PER STORY.

TYPE OF CONSTRUCTION: TYPE IIB

COMBUSTIBLE MATERIALS USED IN TYPE II CONSTRUCTION PER SECTIONS 603 AND 805

FULLY SPRINKLERED: YES

FIRE AND SMOKE PROTECTION FEATURES IHR SHAFT ENCLOSURES PER SECTION 708.

NFPA 101 2006 LIFE SAFETY ANALYSIS SUMMARY

CLASSIFICATION OF OCCUPANCY: BUSINESS

TYPE OF CONSTRUCTION: TYPE II (000)

FULLY SPRINKLERED: YES (SUPERVISED SYSTEM PER NFPA 13)

NOTE: THIS IS A SHELL AND CORE PROJECT. ANALYSIS OF OCCUPANT LOAD FACTORS AND MEANS OF EGRESS PARAMETERS TO BE INCLUDED WITH FUTURE FIT-UP PROJECTS.

DRAWING LIST

DWG No Drawing Title

ARCHITECTURAL DRAWINGS

COVER SHEET

- A1 GROUND LEVEL PLAN, WALL TYPES, RESTROOM DETAILS, ABBREVIATIONS
- A2 FIRST FLOOR PLAN, RESTROOM DETAILS, DOOR AND FRAME SCHEDULE, DETAILS
- A3 SECOND FLOOR PLAN, DETAILS
- A4 MECHANICAL MEZZANINE
- A5 DETAILS

STRUCTURAL DRAWINGS

- S0 GENERAL NOTES
- S1 GROUND FLOOR AND FIRST FLOOR FRAMING PLANS
- S2 SECOND FLOOR AND MECHANICAL MEZZANINE/ROOF FRAMING PLANS
- S3 BRACE ELEVATIONS, SECTIONS AND DETAILS

MECHANICAL DRAWINGS

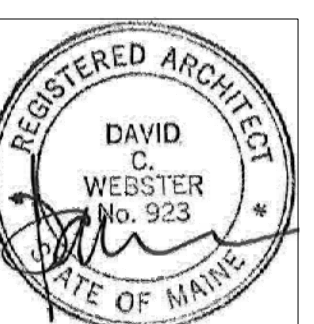
- MH-100 MECHANICAL GROUND FLOOR PLAN
- MH-101 MECHANICAL FIRST FLOOR PLAN
- MH-102 MECHANICAL SECOND FLOOR PLAN
- MH-103 MECHANICAL PENTHOUSE AND UPPER SECOND FLOOR PLAN
- MH-104 MECHANICAL ROOF PLAN
- MH-500 MECHANICAL DETAILS AND NOTES
- MH-501 MECHANICAL DETAILS AND NOTES
- MH-600 MECHANICAL SCHEDULES AND NOTES

ELECTRICAL DRAWINGS

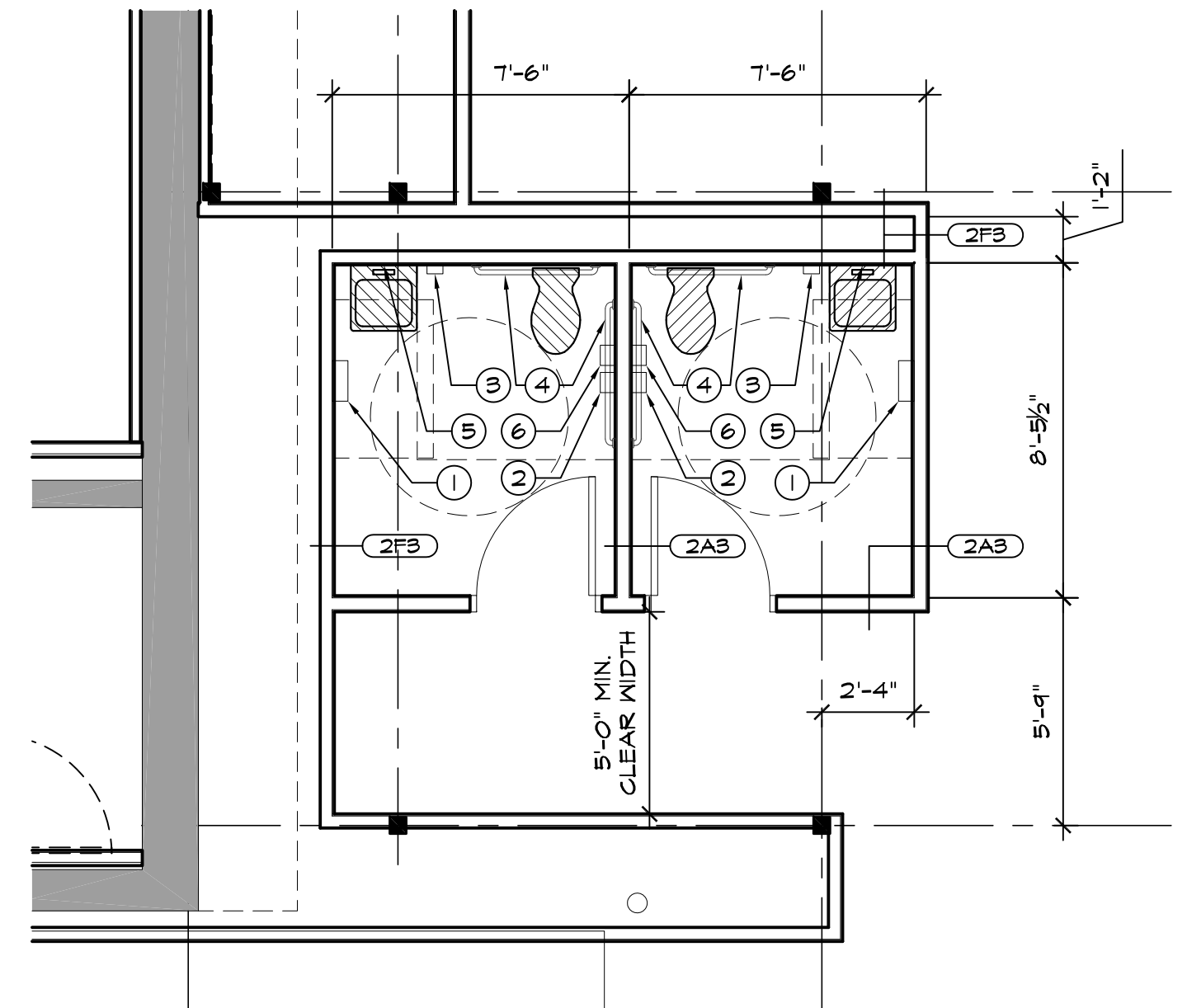
- E-000 ELECTRICAL LEGENDS, NOTES AND ABBREVIATIONS
- E-100 ELECTRICAL GROUND FLOOR PLANS
- E-101 ELECTRICAL FIRST FLOOR PLANS
- E-102 ELECTRICAL SECOND FLOOR PLANS
- E-103 ELECTRICAL PENTHOUSE PLANS AND RISER DIAGRAMS
- E-600 ELECTRICAL SCHEDULES
- E-601 ELECTRICAL SCHEDULES AND DETAILS

PLUMBING DRAWINGS

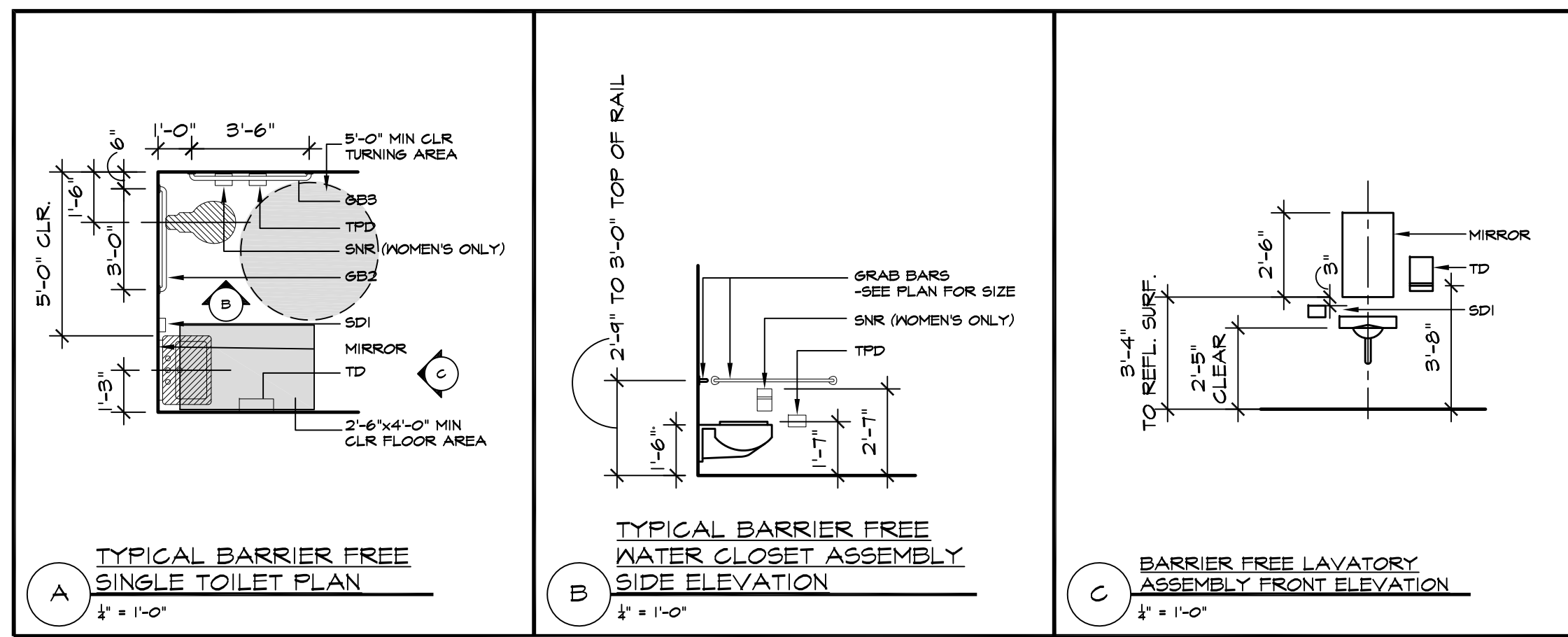
- PL-000 MECHANICAL AND PLUMBING ABBREVIATIONS AND LEGENDS
- PL-100 PLUMBING SANITARY GROUND FLOOR PLAN
- PL-101 PLUMBING DOMESTIC GROUND FLOOR PLAN
- PL-102 PLUMBING FIRST FLOOR PLAN
- PL-103 PLUMBING SECOND FLOOR PLAN AND PENTHOUSE PLAN
- PL-500 PLUMBING SCHEDULES, DETAILS AND NOTES



\\PDT-FS\DATA\MASTER PROJ FILES\2\MARTIN'S POINT\FACILITIES STUDY\MPHC EXIST CLINIC\CAD\MPHC-SHELL + CORE\MPHC CLINIC-SHELL.DWG 10:23:49 AM BRIDGTON PAUL NELSON



1 RESTROOMS - GROUND FLOOR
1/4" = 1'-0"

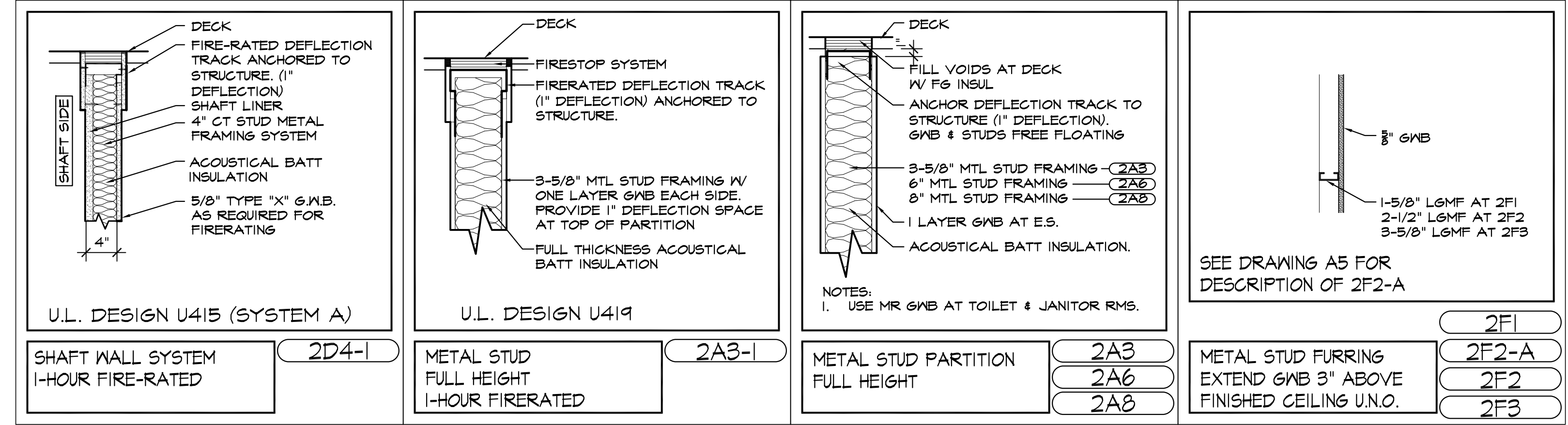


2 TYPICAL BARRIER FREE TOILET ROOM DIMENSIONS
1/4" = 1'-0"

PLAN GRAPHICS KEY:	
	2'-6" x 4'-0"
	5'-0" x 5'-0"
	5'-0" diameter

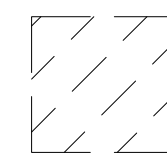
NOTES:	
1.	REFER TO SECTION 7 OF THE DETAIL BOOK FOR ADDITIONAL INFORMATION ABOUT MOUNTING HEIGHTS AND BARRIER-FREE CLEARANCES.
2.	PROVIDE SOLID WOOD BLOCKING IN STUD WALLS AT ALL TOILET ACCESSORY MOUNTING POINTS, INCLUDING TOILET ACCESSORIES PROVIDED BY OWNER.

LEGEND:	
1	PAPER TOWEL DISPENSER - BY OWNER
2	TOILET TISSUE DISPENSER - BY OWNER
3	SOAP DISPENSER - BY OWNER
4	GRAB BARS - BY OWNER
5	MIRROR UNIT - BY OWNER
6	SANITARY NAPKIN RECEPTACLE - BY OWNER
7	NOT USED
8	NOT USED
9	NOT USED
10	NOT USED
11	NOT USED
12	NOT USED
13	NOT USED
14	NOT USED
15	NOT USED
16	NOT USED
SS	SOLID SURFACE THRESHOLD

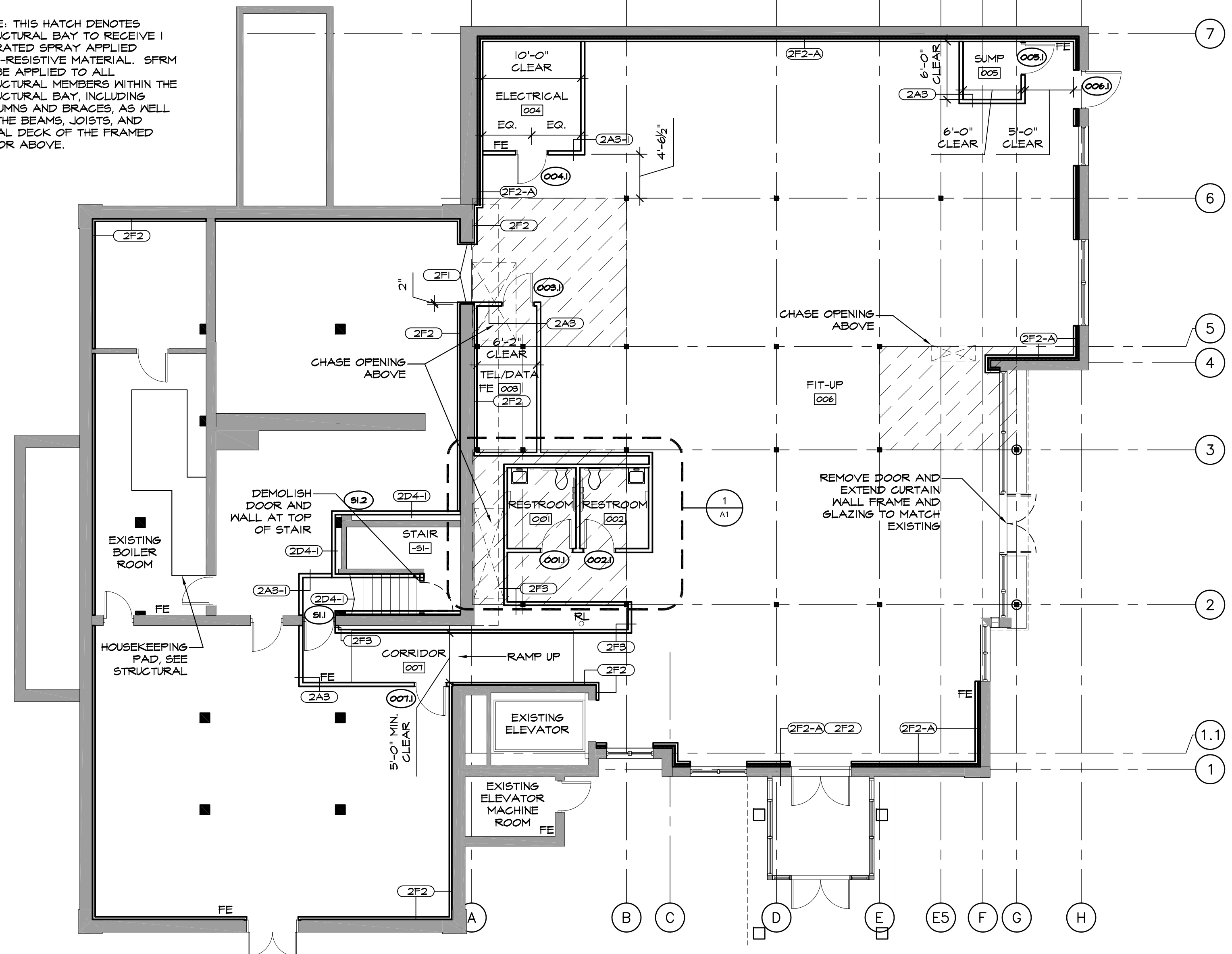


WALL TYPES

GROUND LEVEL



NOTE: THIS HATCH DENOTES STRUCTURAL BAY TO RECEIVE 1 HR RATED SPRAY APPLIED FIRE-RESISTIVE MATERIAL. SFIRM TO BE APPLIED TO ALL STRUCTURAL MEMBERS WITHIN THE STRUCTURAL BAY, INCLUDING COLUMNS AND BRACES, AS WELL AS THE BEAMS, JOISTS, AND METAL DECK OF THE FRAMED FLOOR ABOVE.



GENERAL NOTES:

- NEW STUD WALLS SHOWN ON COLUMN LINES ARE TO BE CENTERED ON THE COLUMN LINE UNLESS NOTED OTHERWISE.
- ADD 1 LAYER OF 5/8" HIGH 3/4" PLYWOOD TO ALL WALLS INSIDE ELECTRICAL ROOMS AND CLOSETS.
- USE MOISTURE RESISTANT GWB AT ALL TOILET ROOMS.
- ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
- INSTALL DOORS 4" FROM ADJACENT WALL TO THE HINGE SIDE IN METAL STUD PARTITIONS UNLESS NOTED OTHERWISE.
- SEE 5/A2 FOR NEW SUB-FLOOR DETAIL OVER CONCRETE SLAB IN ORIGINAL BUILDING, FLOORS 1 AND 2 - S.C. TO VERIFY EXTENT

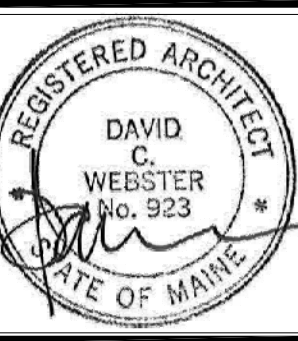
ABBREVIATIONS:

ALUM	ALUMINUM
FE	FIRE EXTINGUISHER
GWB	GYPSUM WALLBOARD
LGMF	LIGHT GAUGE METAL FRAMING
PLAM	PLASTIC LAMINATE
PLYMD	PLYWOOD
PT	PRESSURE TREATED
REQ	REQUIRED
TYP	TYPICAL
WD	WOOD



COPYRIGHT 2009
PDT Architects
Reuse or reproduction of the contents of this document is not permitted without written permission of PDT Architects.

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
PORTLAND, MAINE



JOB NO.
11-014

DRWN. CHK
PN

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

ISSUE
26 APRIL 2011

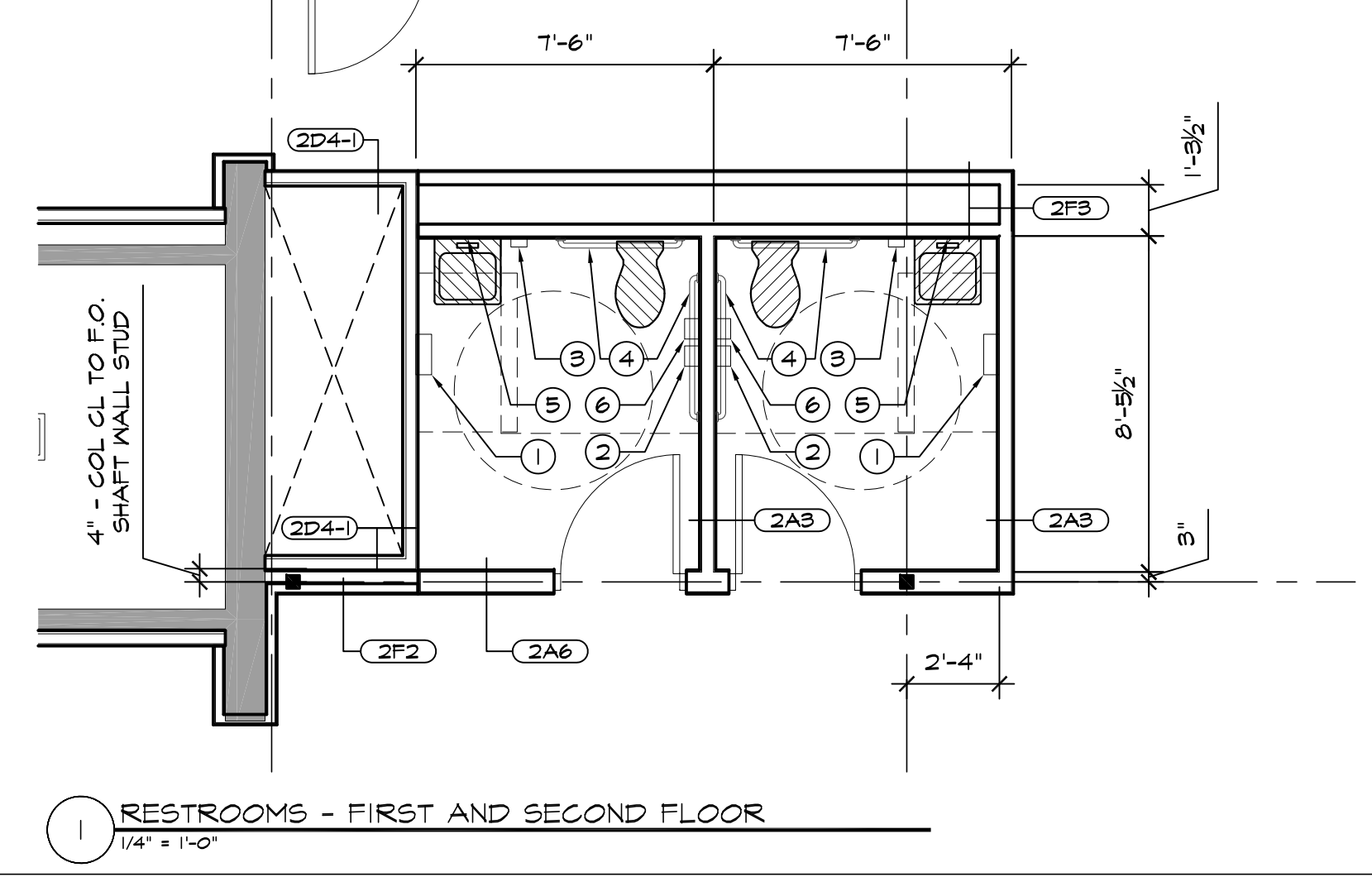
PERMIT SET

TITLE

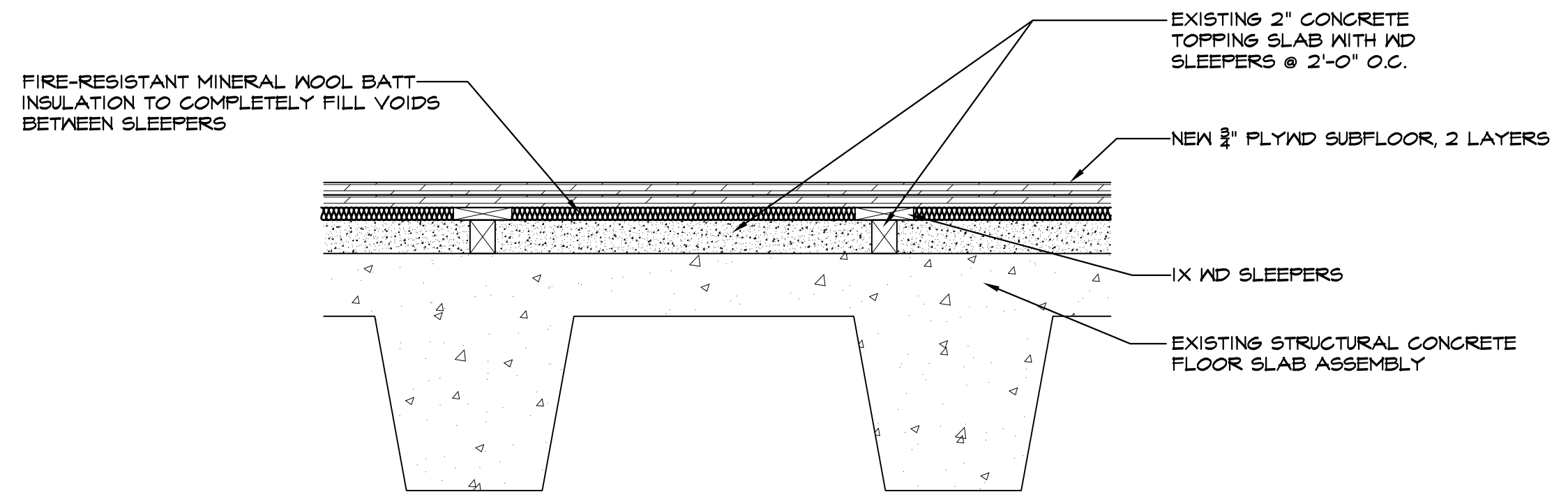
GROUND LEVEL PLAN,
WALL TYPES,
RESTROOM DETAILS,
ABBREVIATIONS

SHEET

A1



1 RESTROOMS - FIRST AND SECOND FLOOR
 1/4" = 1'-0"



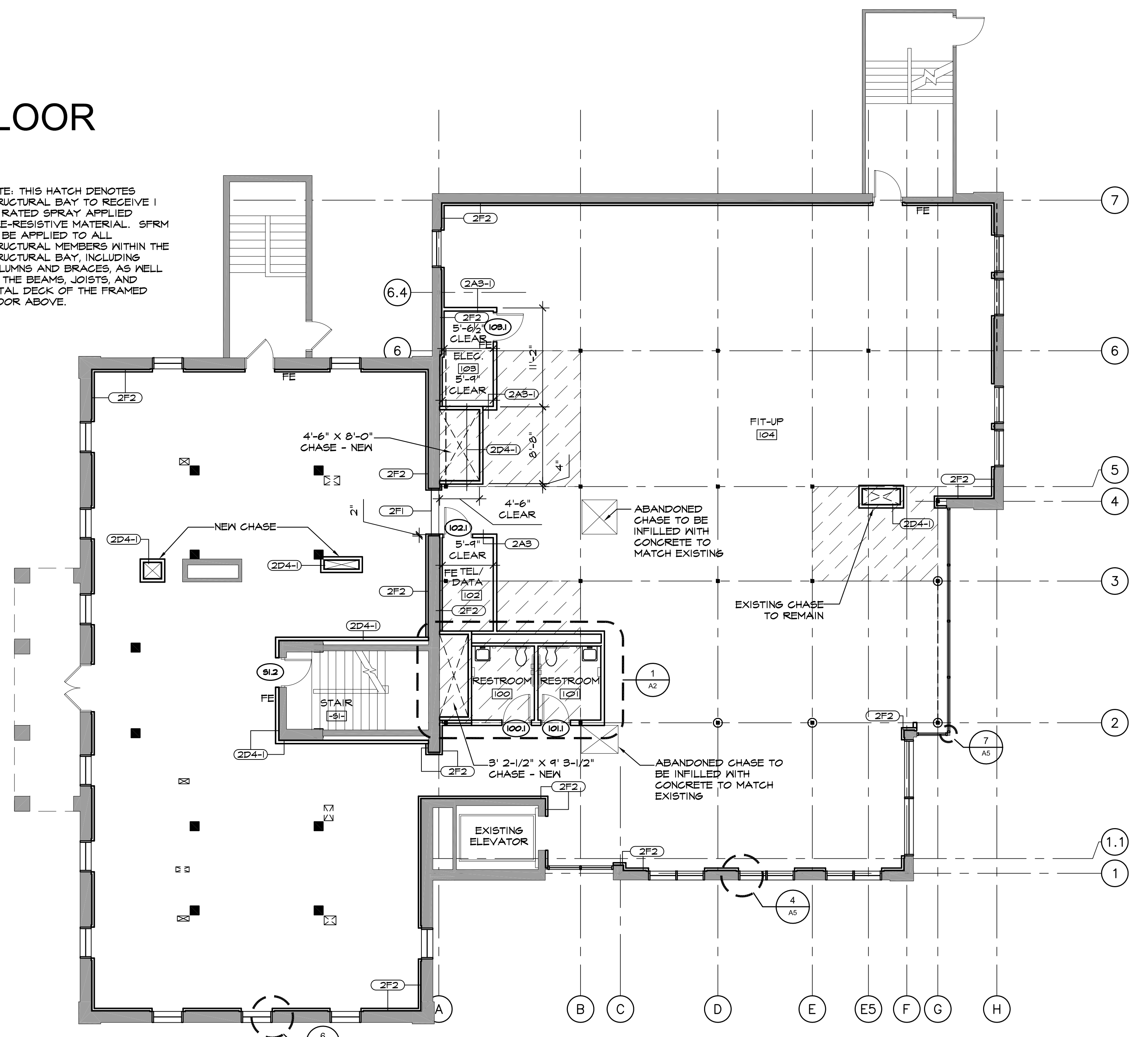
5 NEW SUB FLOOR DETAIL
 1/2" = 1'-0"

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR			FRAME			FIRE RATING	NOTES
	TYPE	WD	HGT	TYPE	MTL	HEAD		
001.1	2A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
002.1	2A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
003.1	1A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
004.1	1A	3'-0"	7'-0"	I	HM	2/A2	2/A2	45 MIN.
005.1	2B	3'-0"	7'-0"	I	HM	2/A2	2/A2	
006.1	1B	4'-0"	6'-10"	I	HM	4/A2	4/A2	WEATHER STRIPPING
007.1	1A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
100.1	2A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
101.1	2A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
102.1	1A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
103.1	1A	3'-0"	7'-0"	I	HM	2/A2	2/A2	45 MIN.
200.1	2A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
201.1	2A	3'-0"	7'-0"	I	HM	2/A2	2/A2	
202.1	1A	3'-0"	7'-0"	I	HM	2/A2	2/A2	45 MIN.
31.1	3	3'-0"	7'-0"	I	HM			45 MIN.
31.2	3	3'-0"	7'-0"	I	HM			45 MIN.
31.3	3	3'-0"	7'-0"	I	HM			45 MIN.
31.4	3	3'-0"	7'-0"	I	HM			45 MIN.

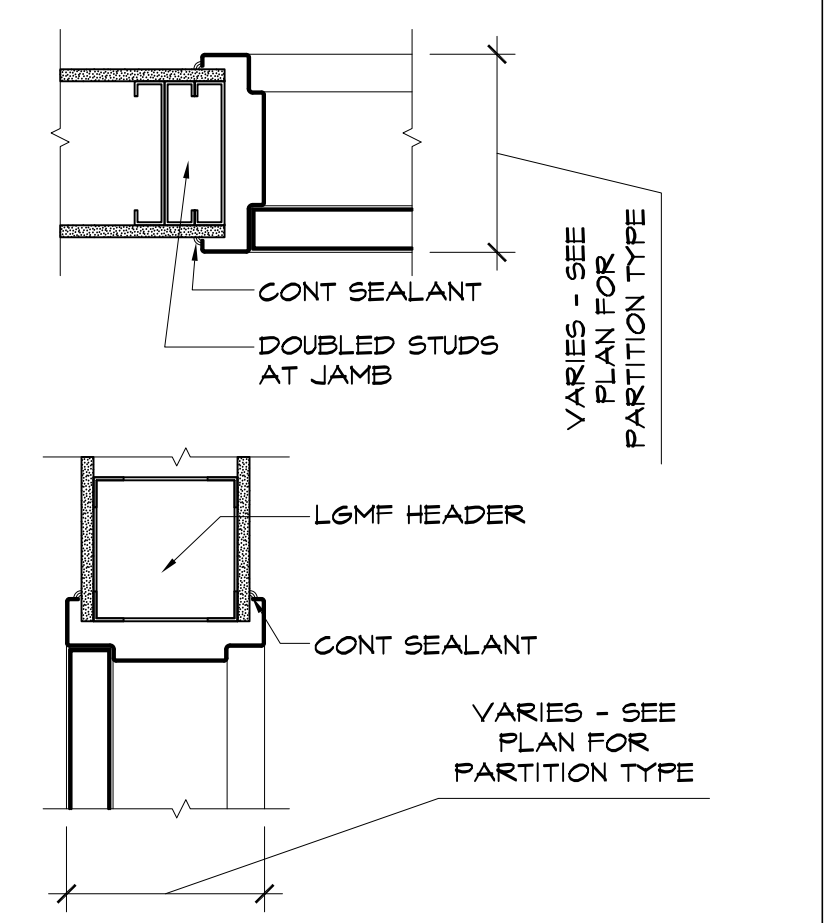
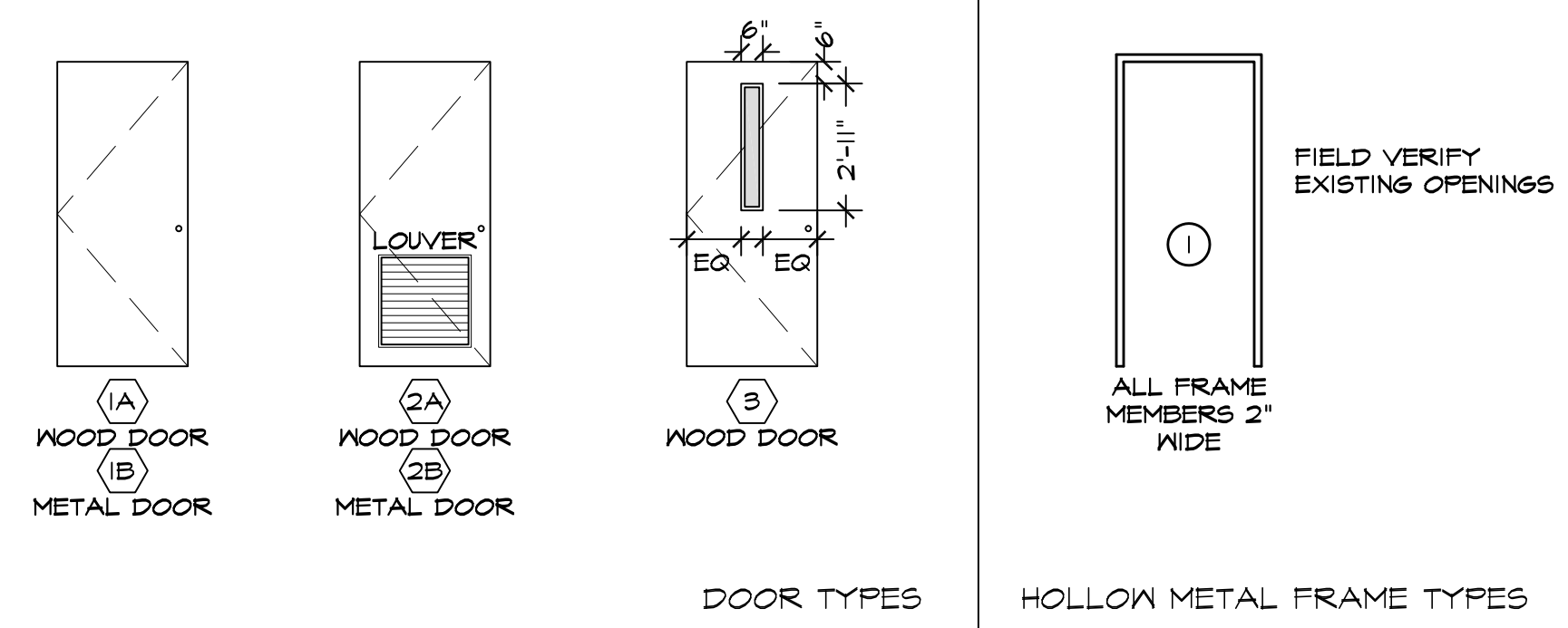
FIRST FLOOR

NOTE: THIS HATCH DENOTES STRUCTURAL BAY TO RECEIVE 1 HR RATED SPRAY APPLIED FIRE-RESISTIVE MATERIAL. SFRM TO BE APPLIED TO ALL STRUCTURAL MEMBERS WITHIN THE STRUCTURAL BAY, INCLUDING COLUMNS AND BRACES, AS WELL AS THE BEAMS, JOISTS, AND METAL DECK OF THE FRAMED FLOOR ABOVE.

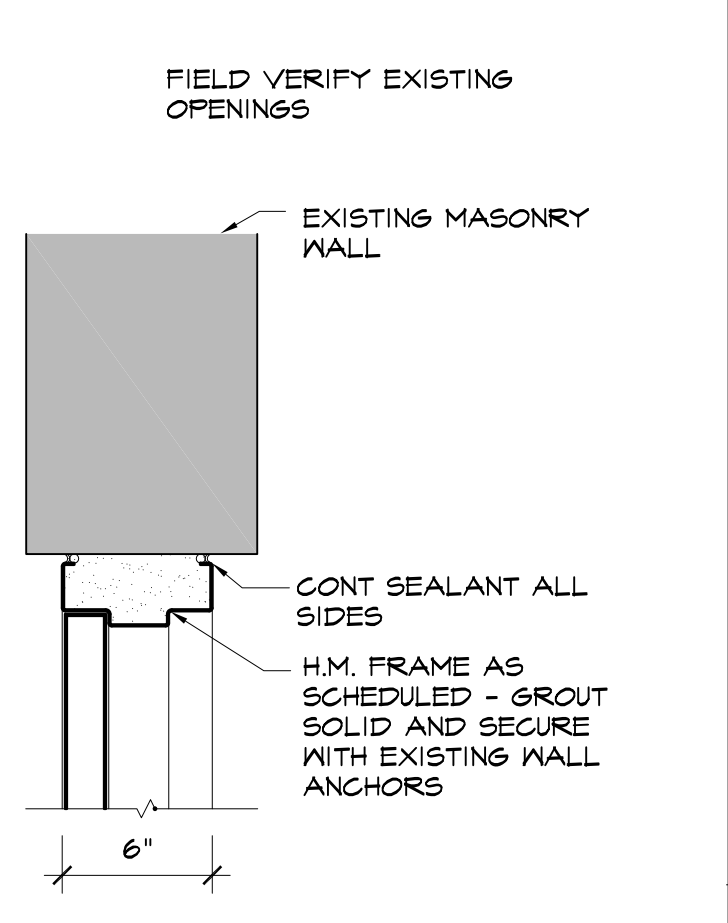


- GENERAL NOTES:**
1. NEW STUD WALLS SHOWN ON COLUMN LINES ARE TO BE CENTERED ON THE COLUMN LINE UNLESS NOTED OTHERWISE.
 2. ADD 1 LAYER OF 5/8" HIGH 3/8" PLYWD TO ALL WALLS INSIDE ELECTRICAL ROOMS AND CLOSETS.
 3. USE MOISTURE RESISTANT GMB AT ALL TOILET ROOMS.
 4. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
 5. INSTALL DOORS 4" FROM ADJACENT WALL TO THE HINGE SIDE IN METAL STUD PARTITIONS UNLESS NOTED OTHERWISE.
 6. SEE 5/A2 FOR NEW SUB-FLOOR DETAIL OVER CONCRETE SLAB IN ORIGINAL BUILDING FLOORS 1 AND 2 - E.C. TO VERIFY EXTENT

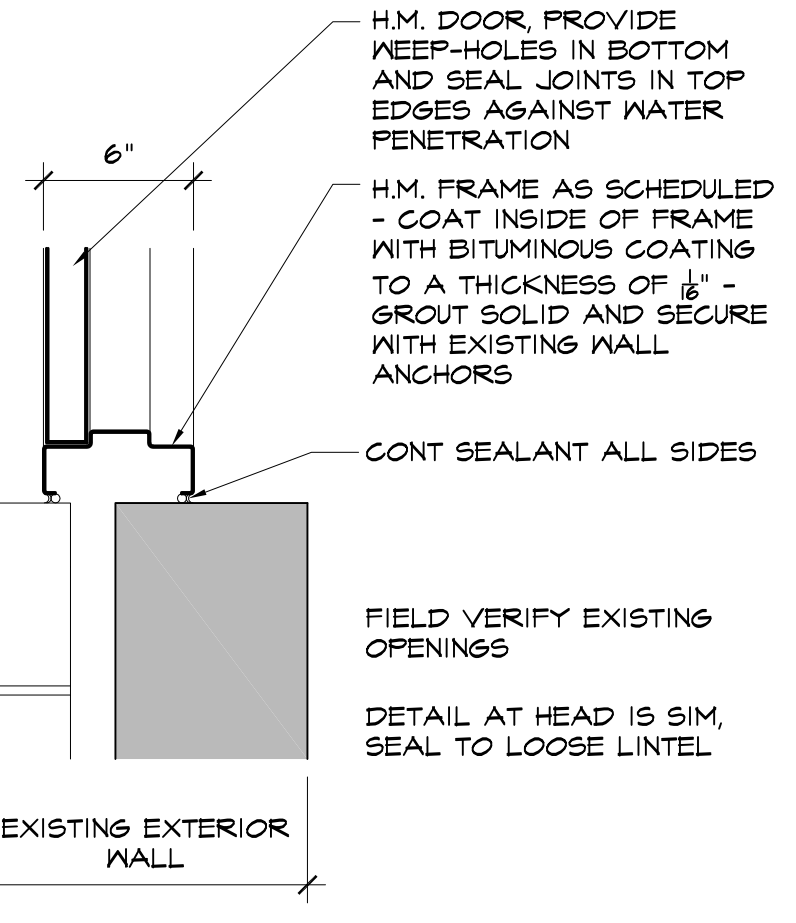
NOTE: SEE SCHEDULE FOR DOOR DIMENSIONS



2 HOLLOW METAL FRAME DETAILS - GMB
 1/2" = 1'-0"

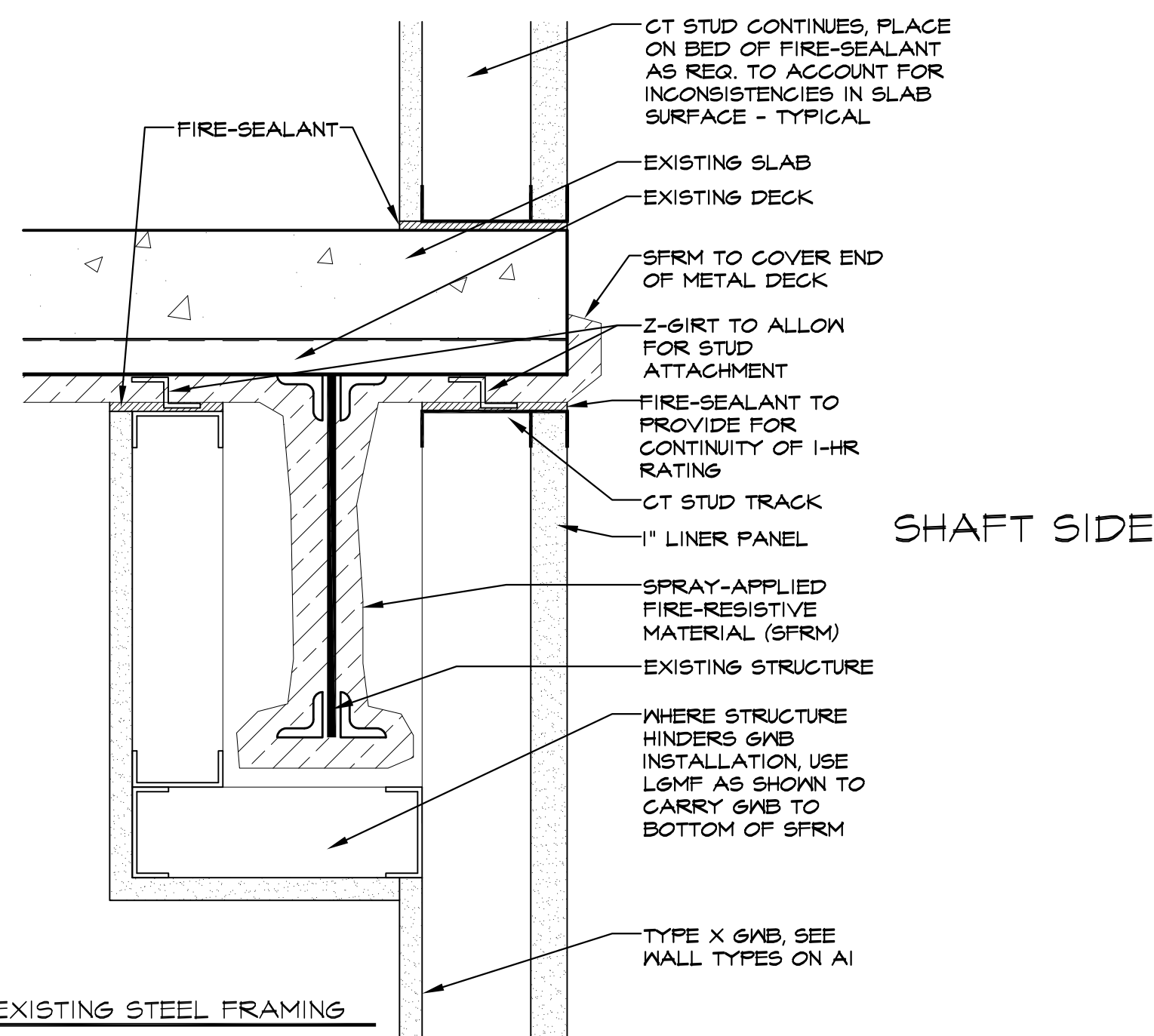


3 HOLLOW METAL FRAME DETAIL AT EXISTING INTERIOR MASONRY WALL
 1/2" = 1'-0"

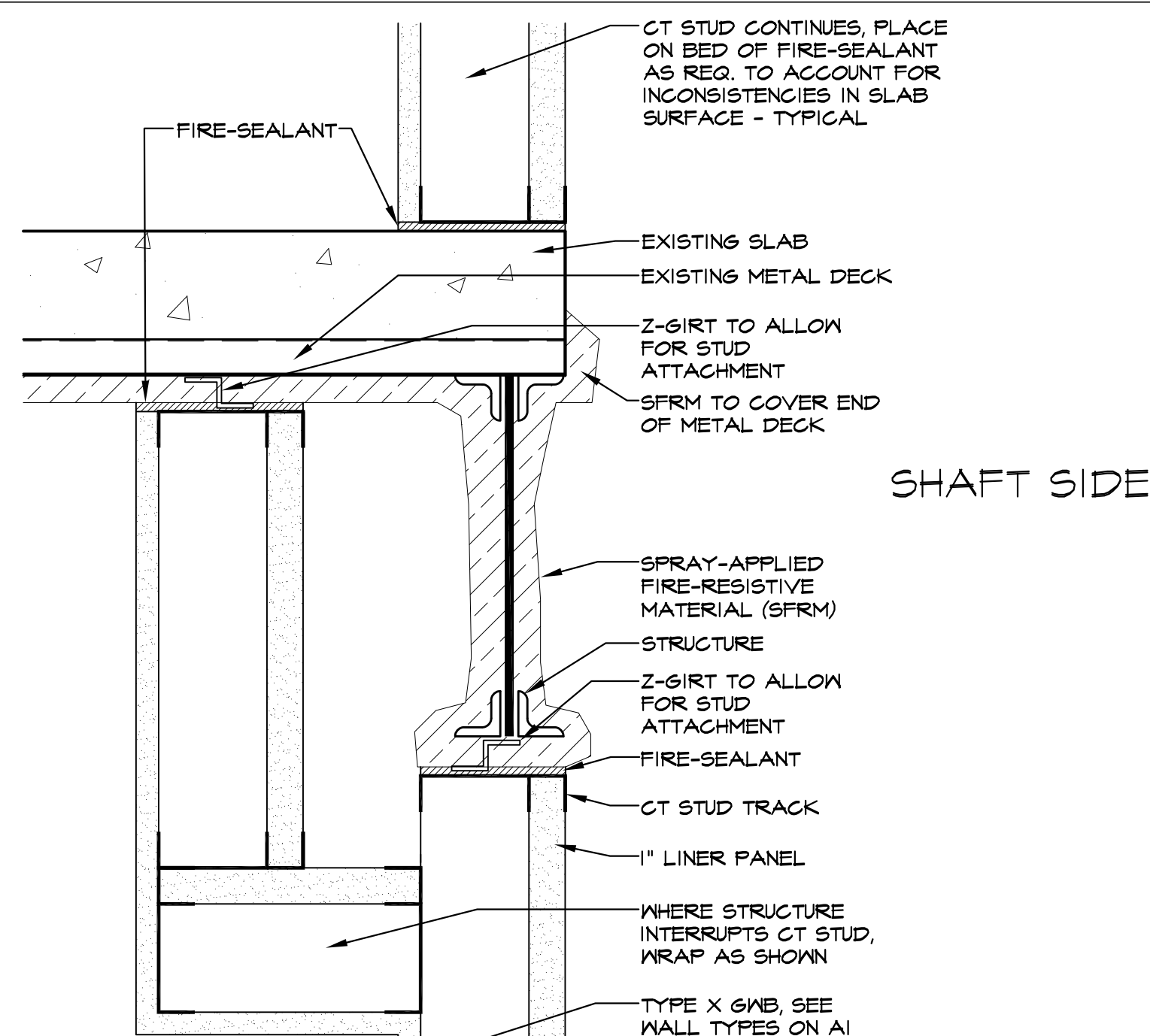


4 HOLLOW METAL FRAME DETAIL AT EXISTING EXTERIOR MASONRY WALL
 1/2" = 1'-0"

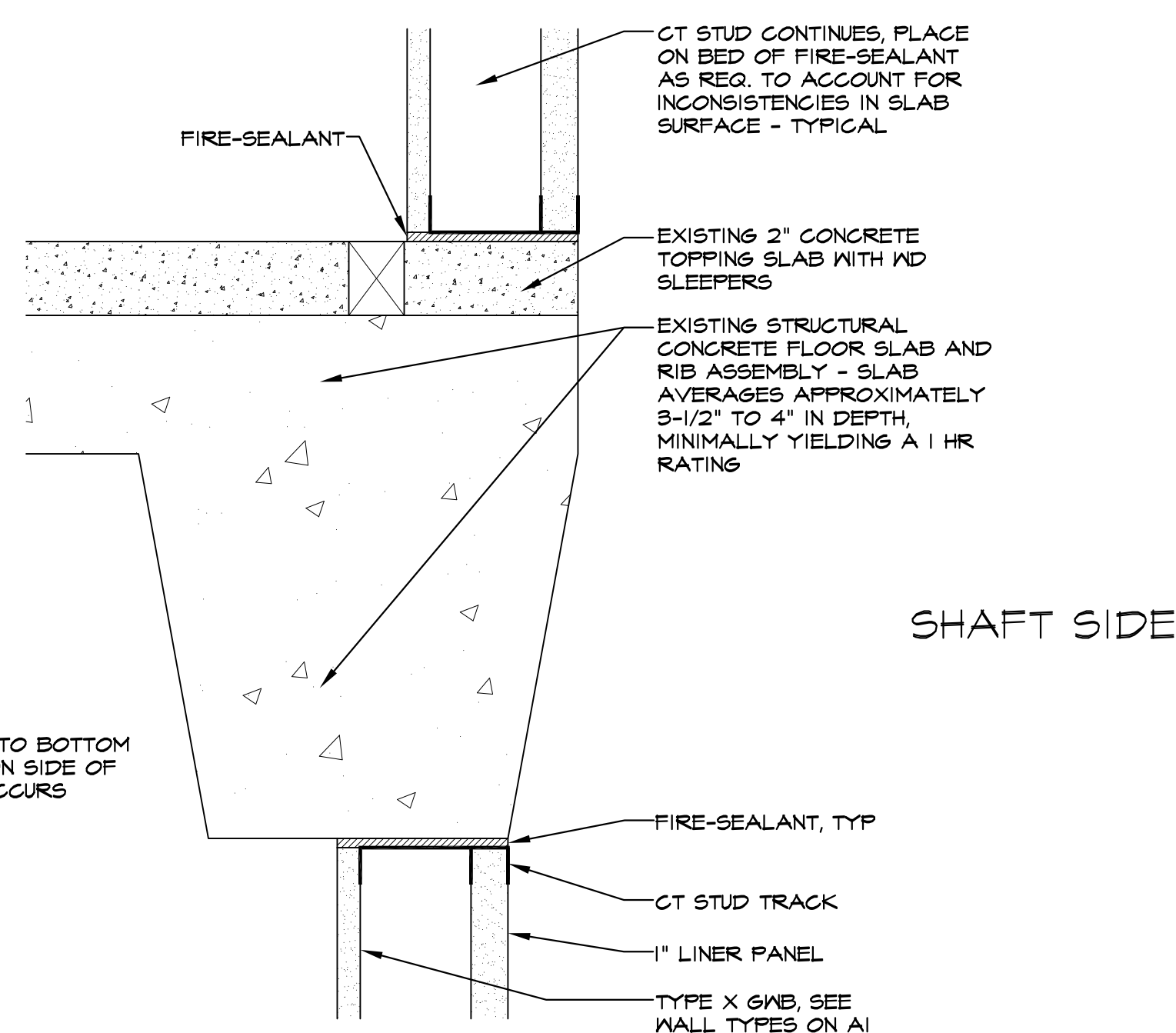
\\PDT-FSD\DATA2\MASTER PROJ FILES2\MARTIN'S POINT\FACILITIES STUDY\MPHC EXIST CLINIC\CAD\MPHC-SHELL + CORE\MPHC CLINIC-SHELL\DWG\2011 12:51:41 PM BRIDGTON PAUL NELSON



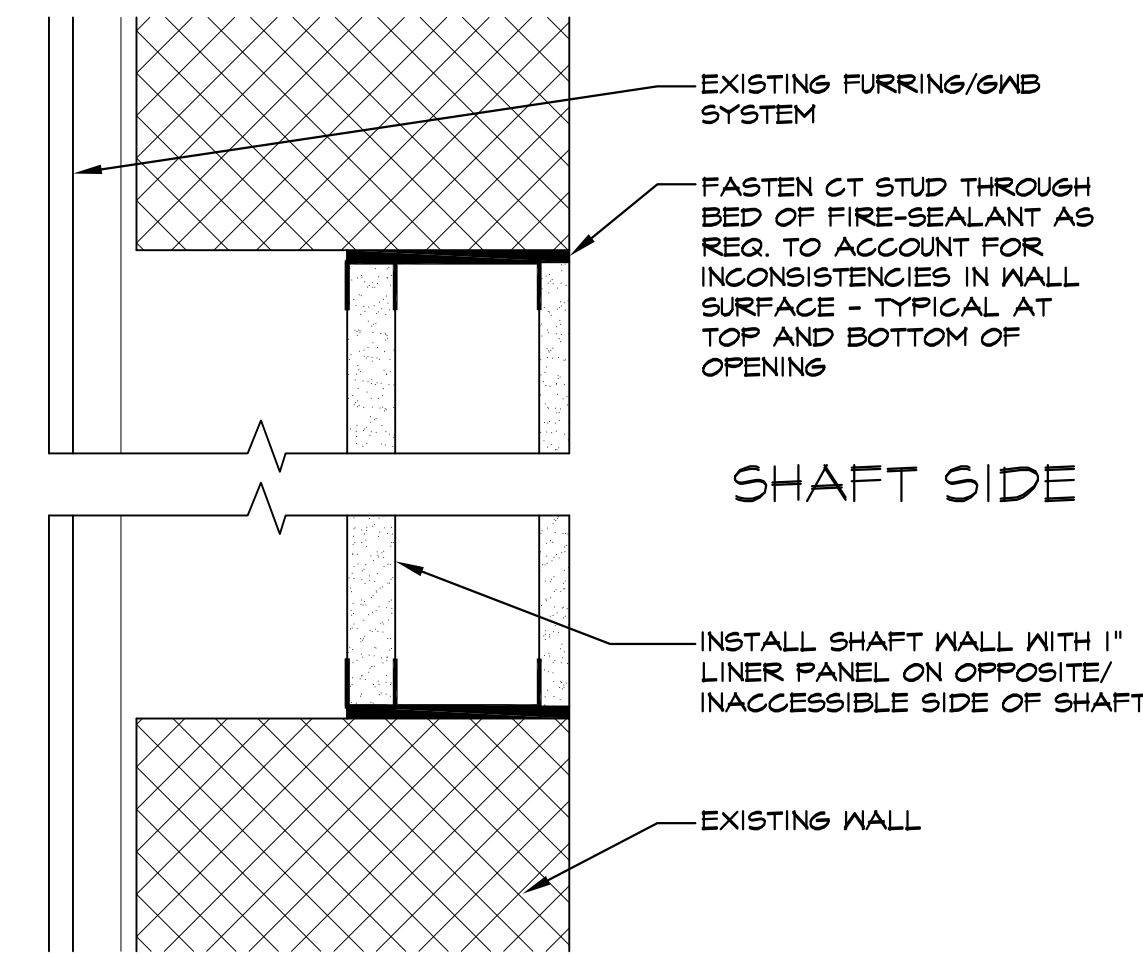
1 SHAFT DETAIL AT EXISTING STEEL FRAMING
3" x 1'-0"



2 SHAFT DETAIL AT EXISTING STEEL FRAMING
3" x 1'-0"



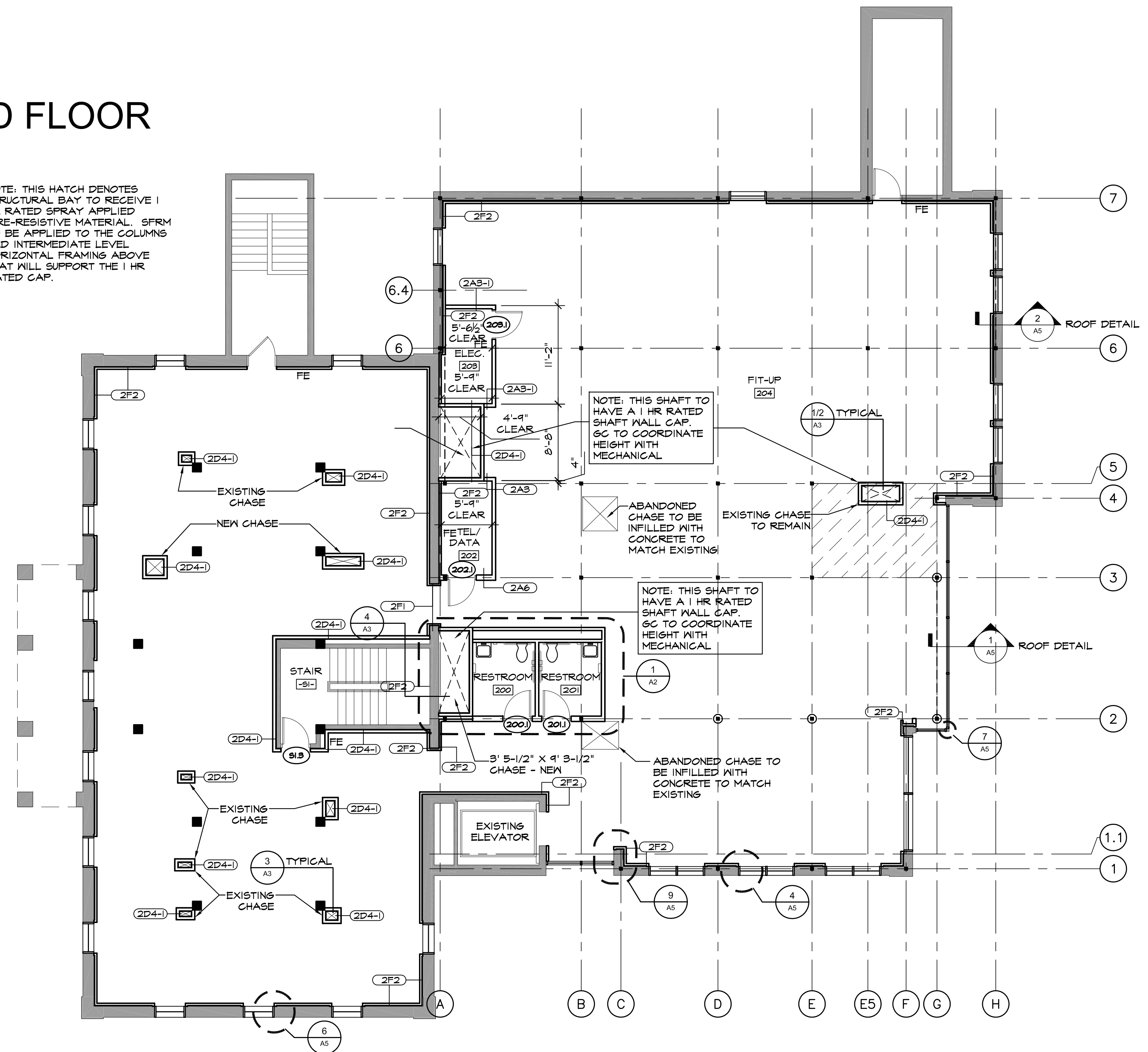
3 SHAFT DETAIL AT EXISTING CONCRETE FRAMED FLOOR
3" x 1'-0"



4 SHAFT DETAIL AT OPENING IN EXISTING WALL
3" x 1'-0"

SECOND FLOOR

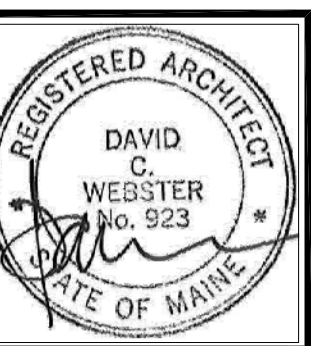
NOTE: THIS HATCH DENOTES STRUCTURAL BAY TO RECEIVE 1 HR RATED SPRAY APPLIED FIRE-RESISTIVE MATERIAL (SFRM) TO BE APPLIED TO THE COLUMNS AND INTERMEDIATE LEVEL HORIZONTAL FRAMING ABOVE THAT WILL SUPPORT THE 1 HR RATED CAP.



GENERAL NOTES:

1. NEW STUD WALLS SHOWN ON COLUMN LINES ARE TO BE CENTERED ON THE COLUMN LINE UNLESS NOTED OTHERWISE.
2. ADD 1 LAYER OF 8'-0" HIGH 3/8" PLYND TO ALL WALLS INSIDE ELECTRICAL ROOMS AND CLOSETS.
3. USE MOISTURE RESISTANT GWB AT ALL TOILET ROOMS.
4. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
5. INSTALL DOORS 4" FROM ADJACENT WALL TO THE HINGE SIDE IN METAL STUD PARTITIONS UNLESS NOTED OTHERWISE.
6. SEE 5/A2 FOR NEW SUB-FLOOR DETAIL OVER CONCRETE SLAB IN ORIGINAL BUILDING FLOORS 1 AND 2 - S.C. TO VERIFY EXTENT

\\PDT-FS\DATA2\MASTER PROJ FILES2\MARTIN'S POINT\FACILITIES STUDY\MPHC EXIST CLINIC\CAD\MPHC-SHELL + CORE\MPHC CLINIC-SHELL.dwg, 2011 12:52:04 PM BRIDGTON PAUL NELSON



JOB NO.
11-014

DRWN. CHK
PN

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

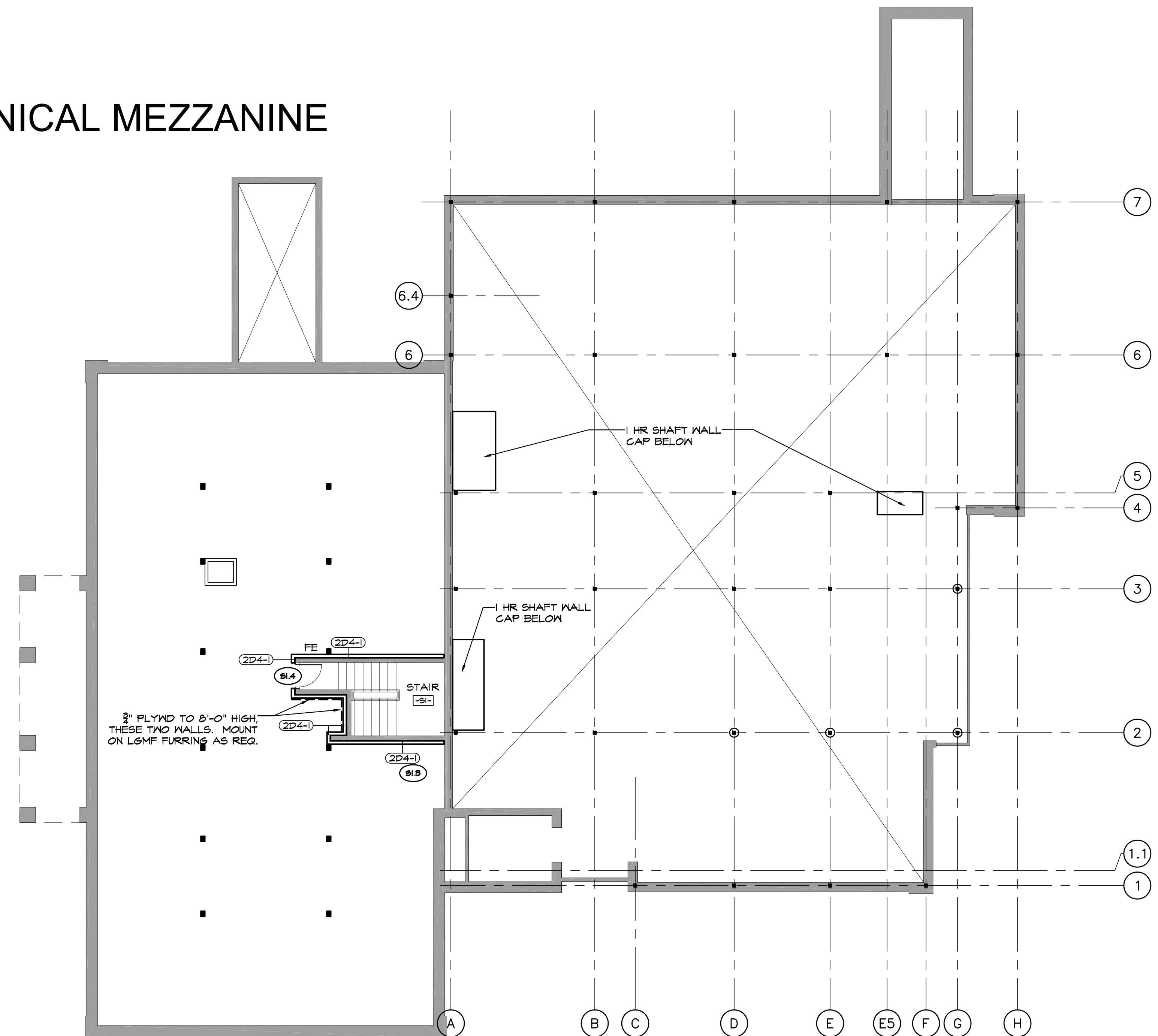
ISSUE
26 APRIL 2011
PERMIT SET

TITLE
MECHANICAL
MEZZANINE

SHEET

A4

MECHANICAL MEZZANINE



GENERAL NOTES:

1. NEW STUD WALLS SHOWN ON COLUMN LINES ARE TO BE CENTERED ON THE COLUMN LINE UNLESS NOTED OTHERWISE.

2. ADD 1 LAYER OF 8'-0" HIGH 3/4" PLYND TO ALL WALLS INSIDE ELECTRICAL ROOMS AND GLOSETS.

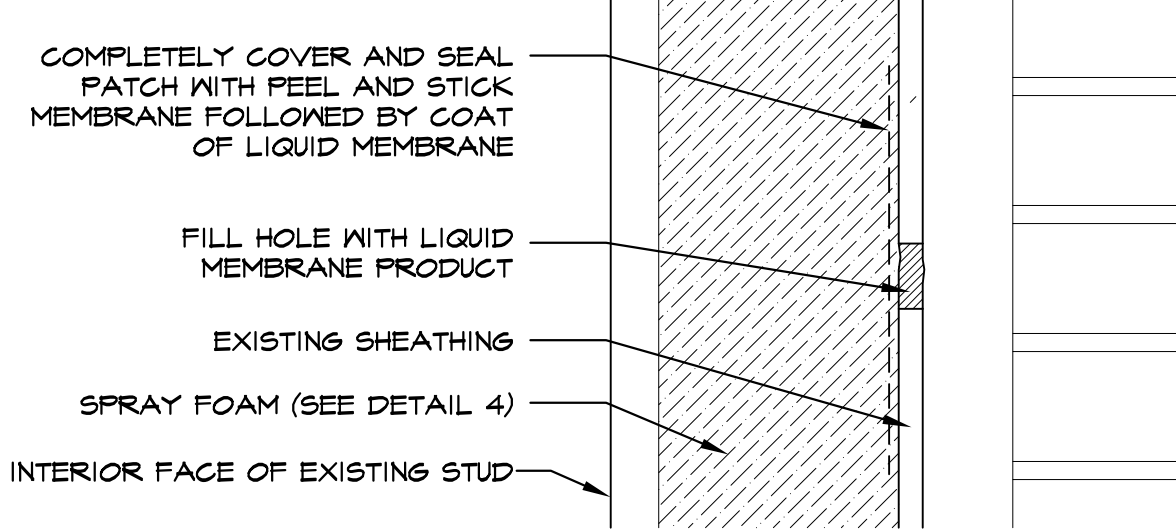
3. USE MOISTURE RESISTANT GWB AT ALL TOILET ROOMS.

4. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.

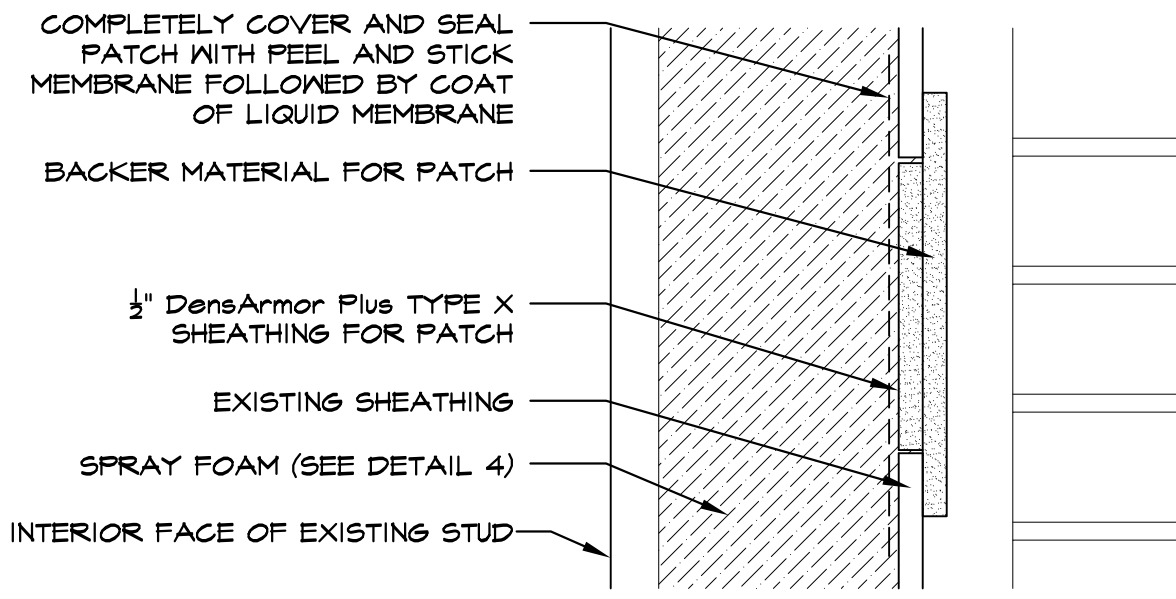
5. INSTALL DOORS 4" FROM ADJACENT WALL TO THE HINGE SIDE IN METAL STUD PARTITIONS UNLESS NOTED OTHERWISE.

6. SEE 5/A2 FOR NEW SUB-FLOOR DETAIL OVER CONCRETE SLAB IN ORIGINAL BUILDING FLOORS 1 AND 2 - S.C. TO VERIFY EXTENT

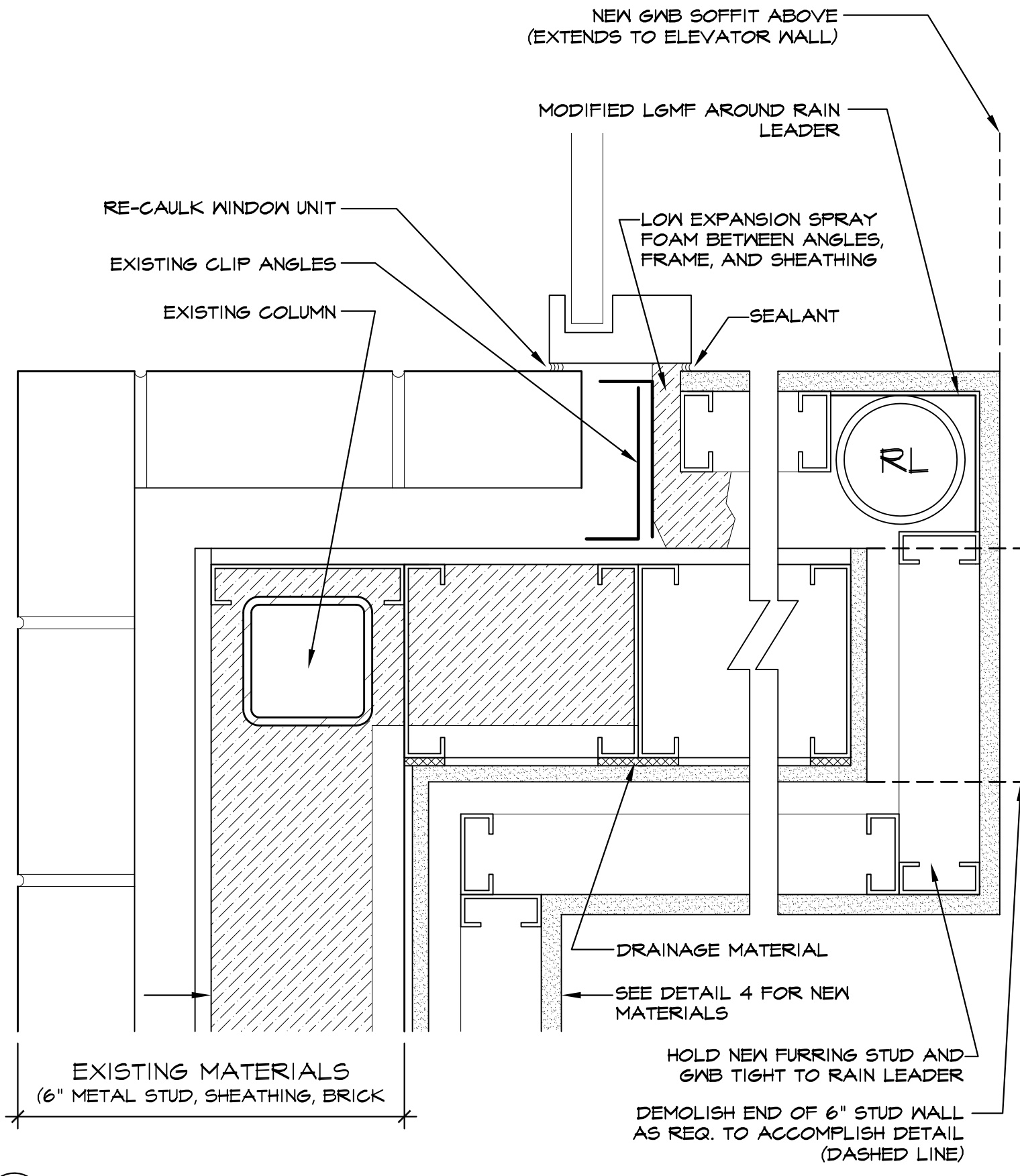
P:\PDT\DATA\MASTER PROJ FILES\2. MARTIN'S POINT FACILITIES STUDY\MPHC EXIST CLINIC\CAD\MPHC-SHELL - CORE\MPHC EXIST CLINIC\BIB\LOFT 2F - WALLS.DWG



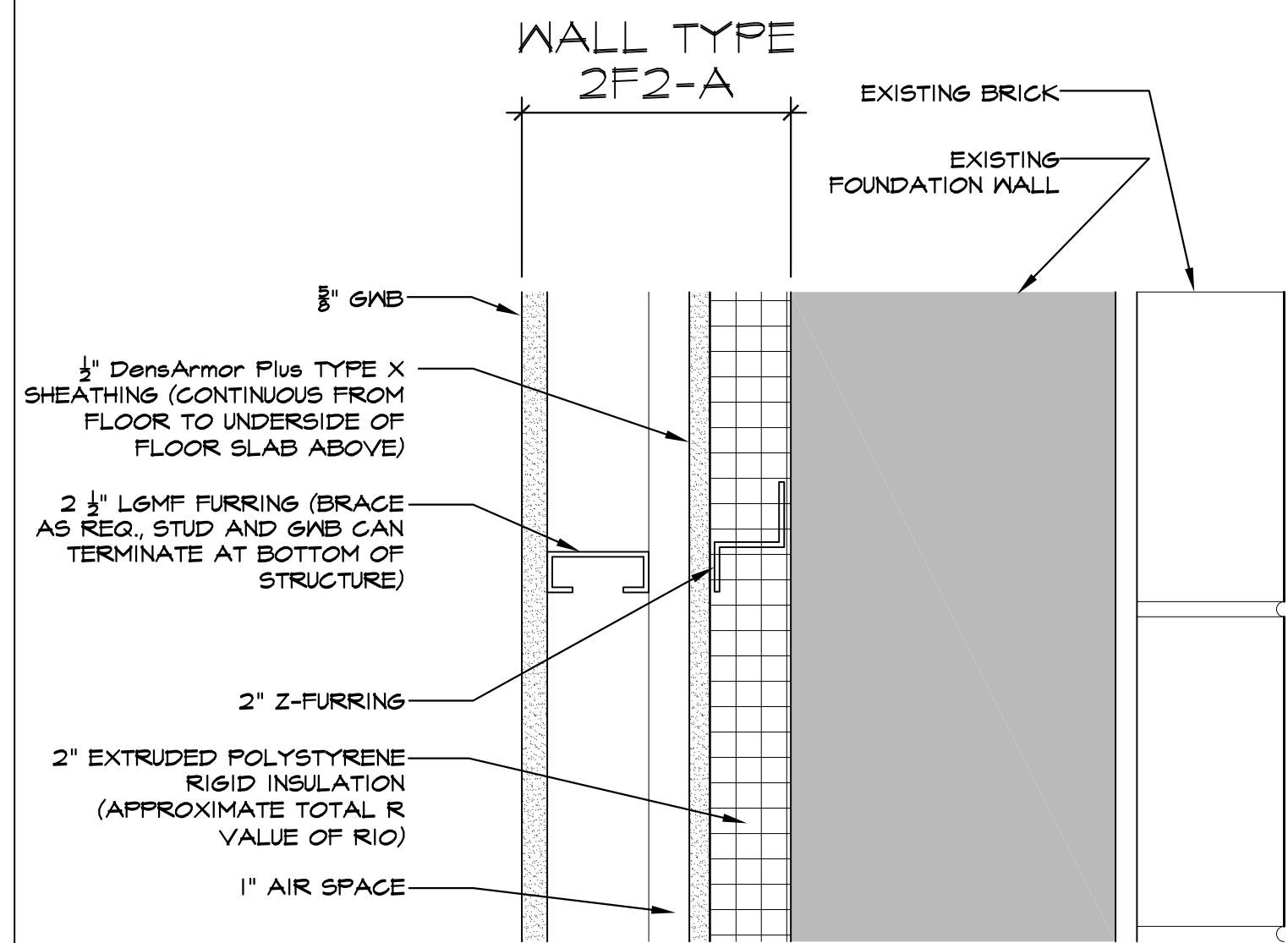
11 PATCH DETAIL FOR SMALL HOLE IN EXISTING SHEATHING
3" x 1'-0"



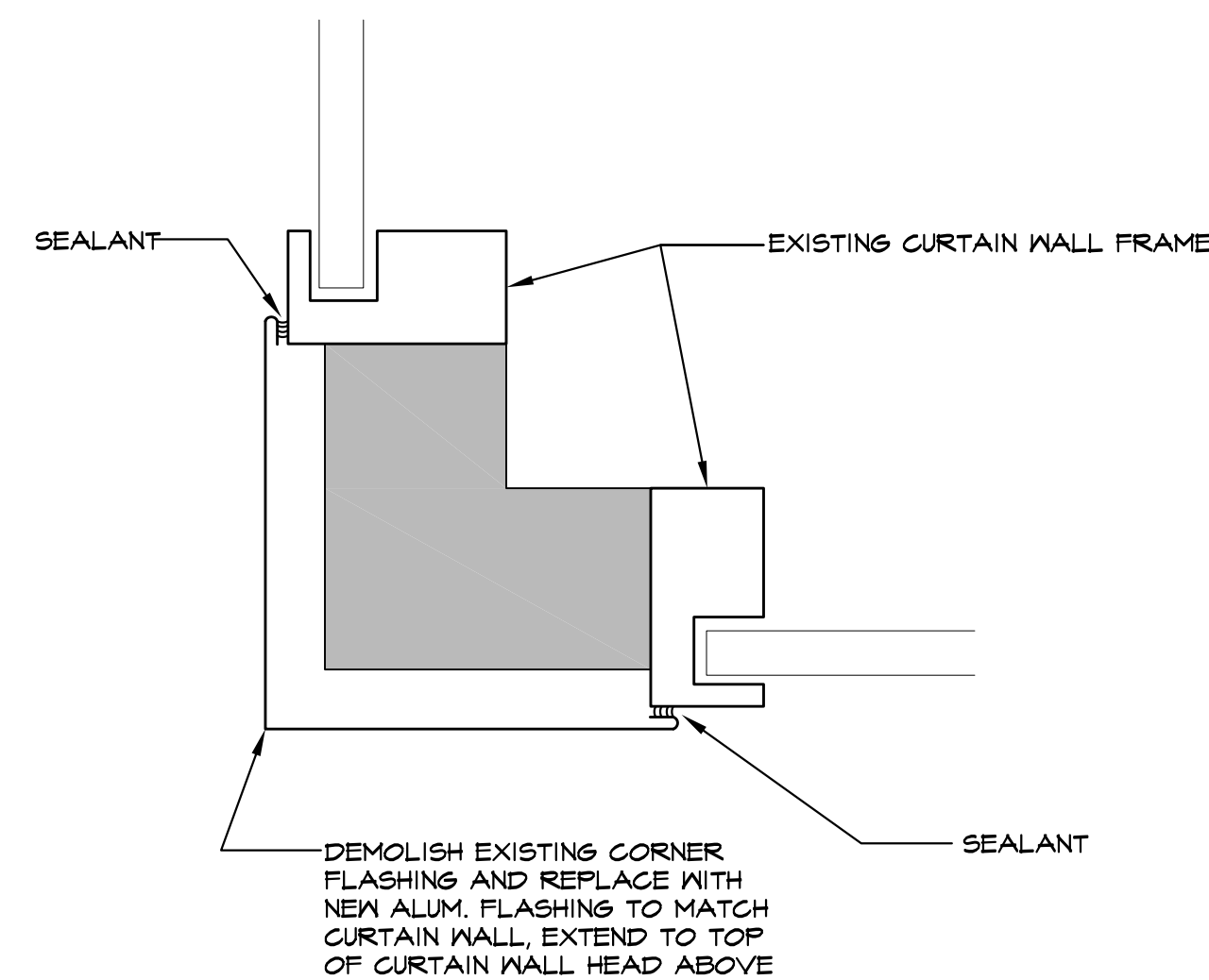
10 PATCH DETAIL FOR LARGE HOLE IN EXISTING SHEATHING
3" x 1'-0"



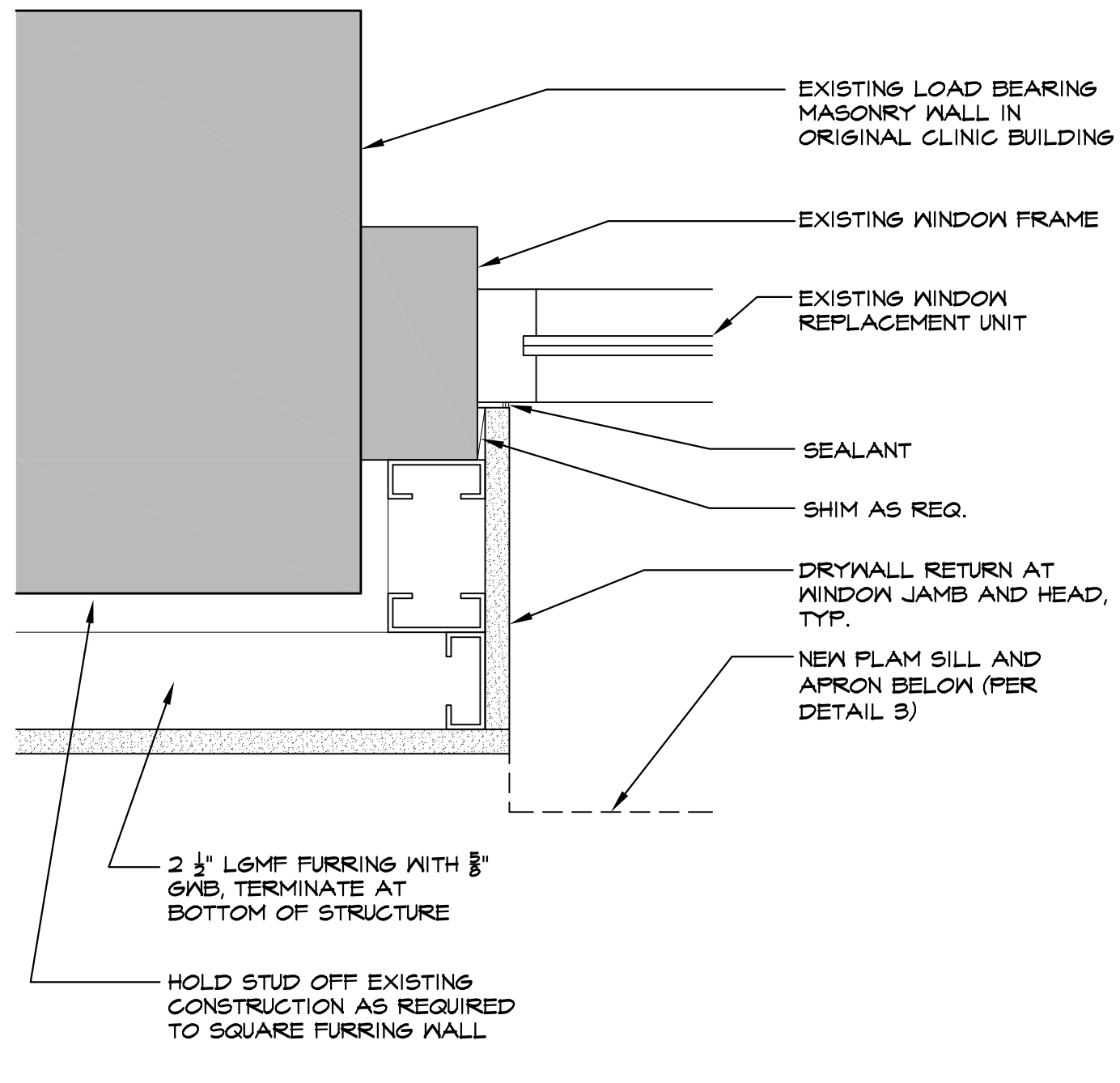
9 FLOOR 2 WINDOW JAMB AT RAIN LEADER (RL)
3" x 1'-0"



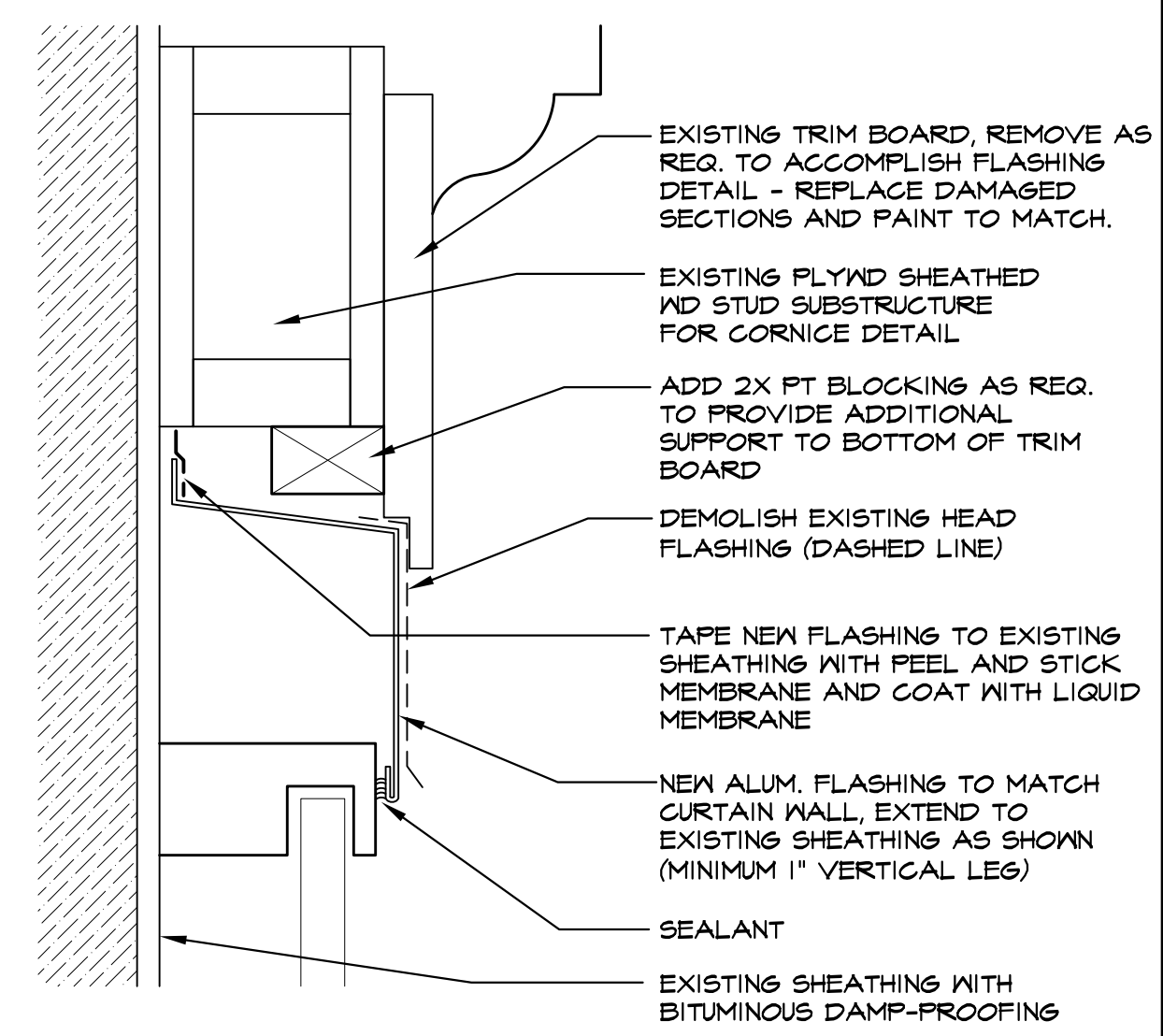
8 TYPICAL EXTERIOR WALL TREATMENT IN CLINIC ADDITION, GROUND FLOOR
3" x 1'-0"



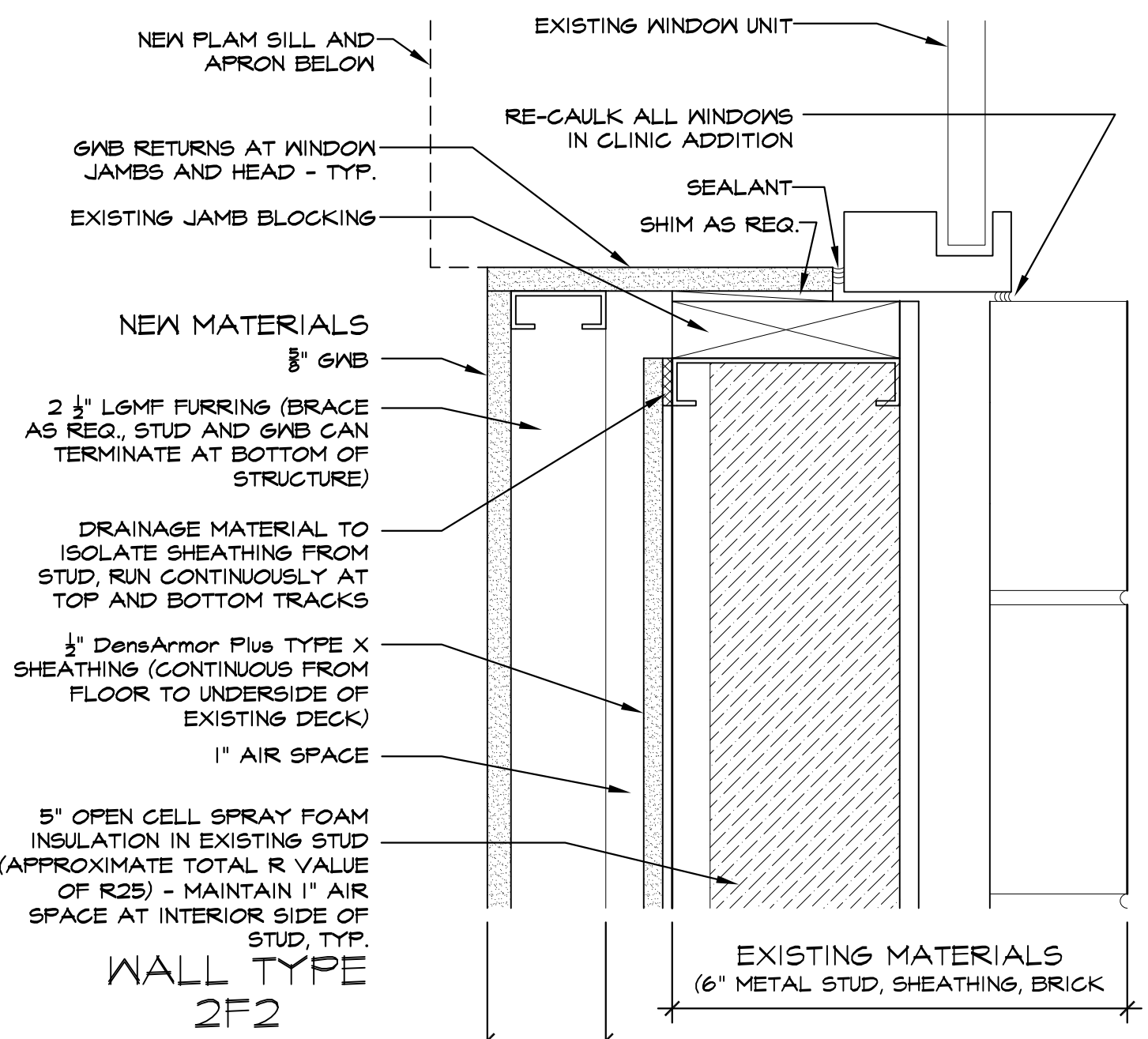
7 CURTAIN WALL CORNER FLASHING DETAIL IN CLINIC ADDITION
3" x 1'-0"



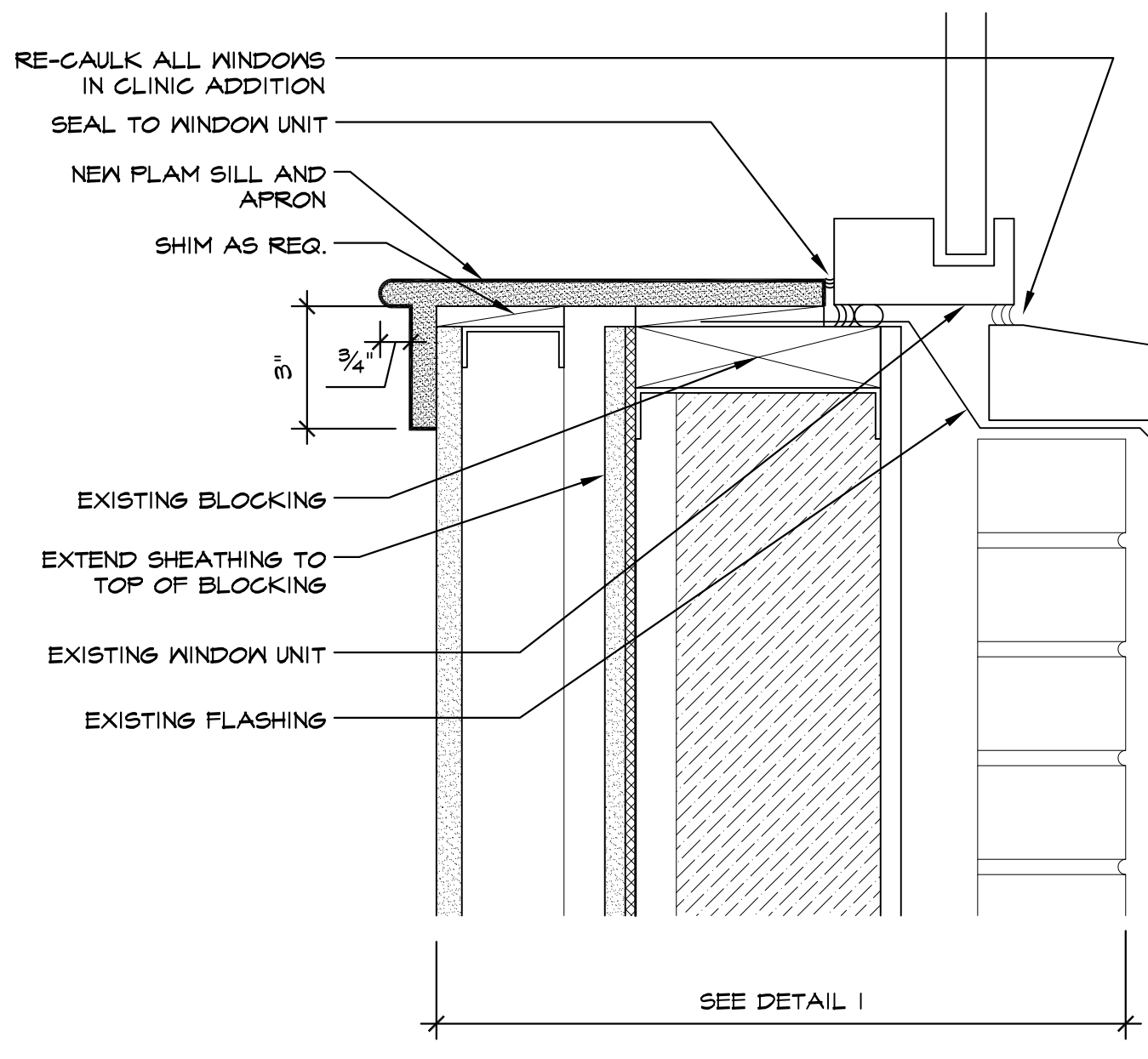
6 TYPICAL WINDOW JAMB AND EXTERIOR WALL TREATMENT IN ORIGINAL BUILDING
3" x 1'-0"



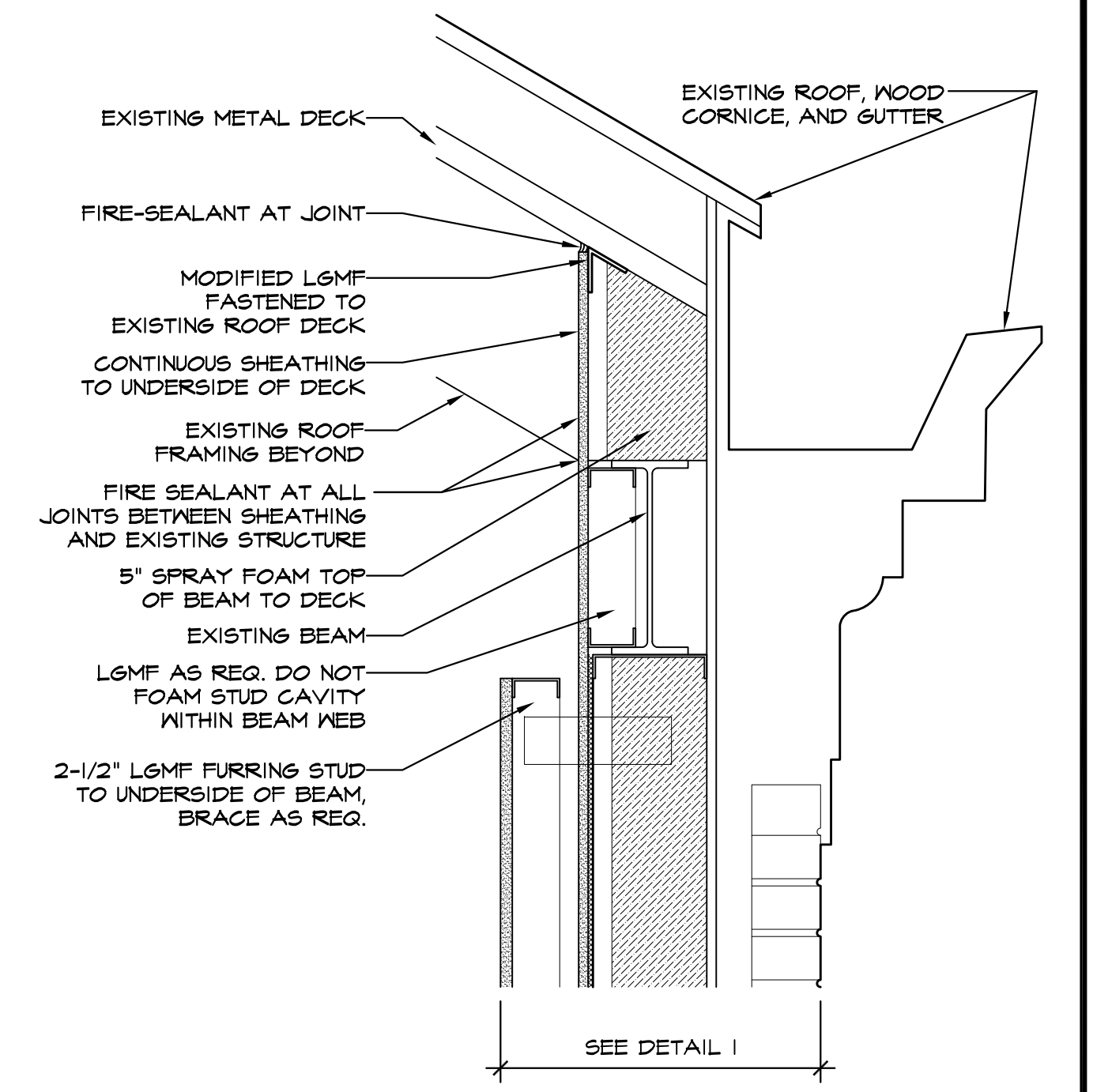
5 CURTAIN WALL HEAD FLASHING DETAIL IN CLINIC ADDITION
3" x 1'-0"



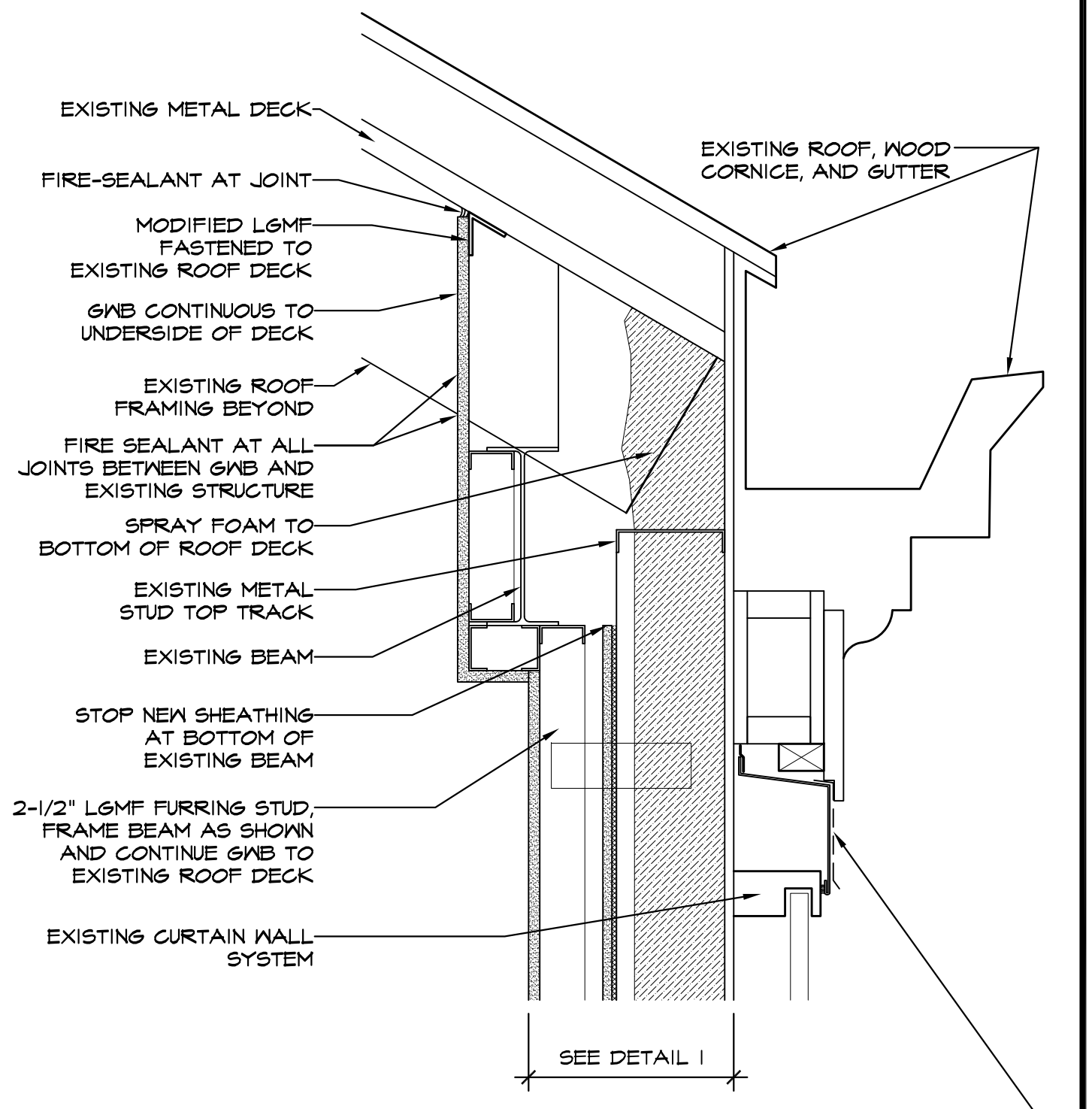
4 TYPICAL WINDOW JAMB AND EXTERIOR WALL TREATMENT IN CLINIC ADDITION, FIRST AND SECOND FLOORS
3" x 1'-0"



3 TYPICAL WINDOW SILL IN CLINIC ADDITION
1-1/2\"/>

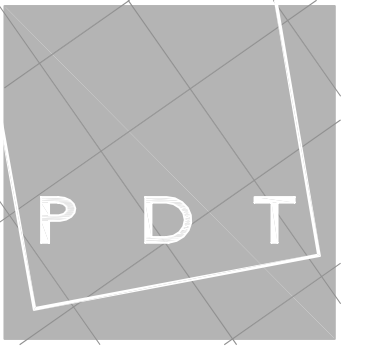


2 FURRING DETAIL IN CLINIC ADDITION - BEAM IN STUD WALL
1-1/2\"/>



1 FURRING DETAIL IN CLINIC ADDITION - BEAM OUTSIDE STUD WALL
1-1/2\"/>

SEE 3" SCALE DETAIL THIS PAGE FOR CURTAIN WALL FLASHING



GENERAL NOTES

- THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES. INCONSISTENCIES BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- ALL DIMENSIONS, EXISTING CONDITIONS, AND AS-BUILT CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE ONLY AFTER THE STRUCTURAL WORK CONTAINED IN THE S- DRAWINGS IS COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER RESERVES THE RIGHT TO INTERPRET DETAILS TO ADDRESS OTHER PROJECT CONDITIONS.
- THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK, INCLUDING DESCRIPTION OF SHORING, AND CONSTRUCTION METHODS AND SEQUENCING WHERE APPLICABLE. NO PERFORMANCE OF THE WORK INCLUDING, BUT NOT LIMITED TO, DEMOLITION OF EXISTING STRUCTURE, OR FABRICATION OR ERECTION OF NEW STRUCTURAL ELEMENTS, SHALL COMMENCE WITHOUT REVIEW OF THE SHOP DRAWINGS BY THE ARCHITECT AND ENGINEER.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- REFERENCE THE PROJECT SPECIFICATIONS FOR ALL TESTING REQUIREMENTS.

CODE SUMMARY:

MAINE UNIFORM BUILDING & ENERGY CODE.
INTERNATIONAL EXISTING BUILDING CODE 2009 (IEBC 2009)
REPAIRS TO THE VERTICAL ELEMENTS OF THE LATERAL FORCE-RESISTING SYSTEM HAVE BEEN DESIGNED IN ACCORDANCE WITH SECTION 304 OF THE IEBC 2009.

CONCRETE NOTES

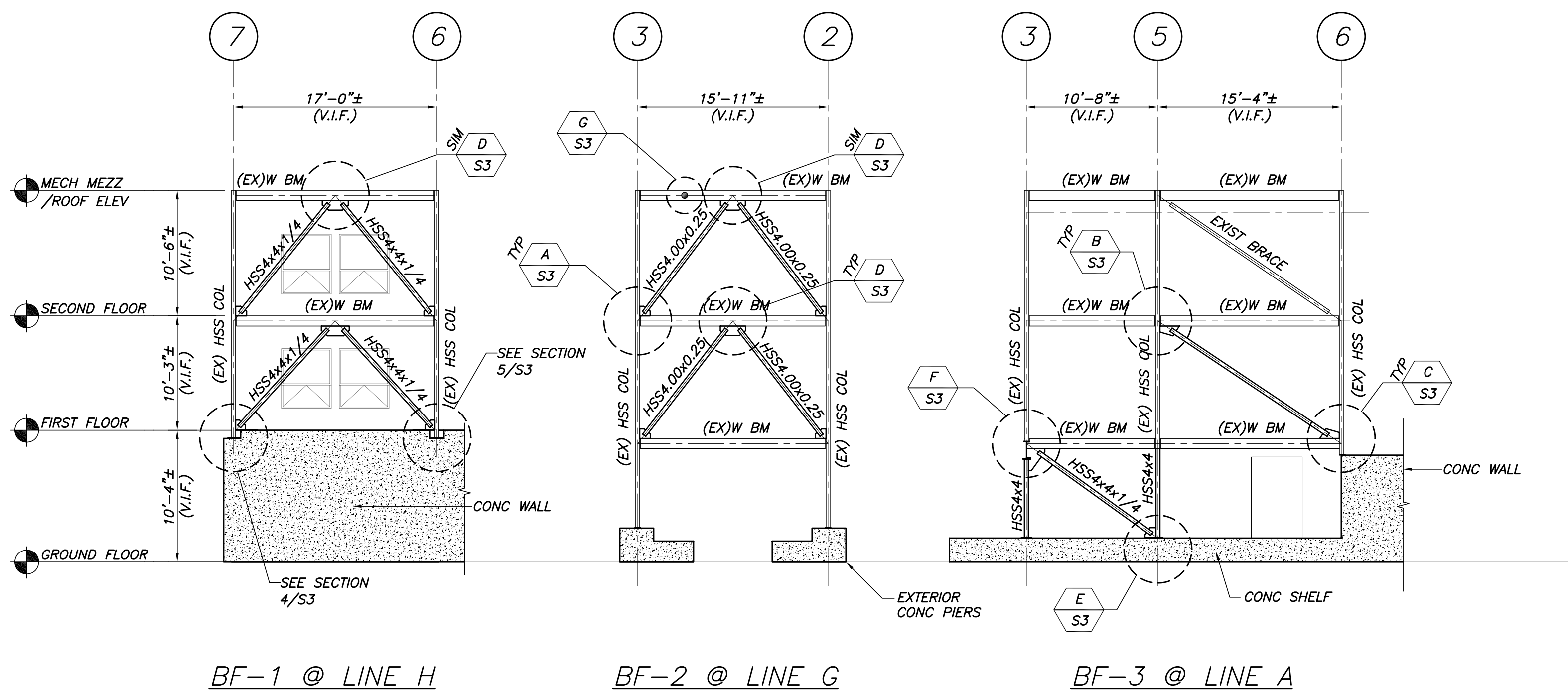
- CONCRETE WORK SHALL CONFORM TO "ACI MANUAL OF CONCRETE PRACTICE", LATEST EDITION. THIS PUBLICATION IS AVAILABLE THROUGH THE AMERICAN CONCRETE INSTITUTE (248) 848-3800.
- ALL CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI, U.N.O. MIXING PROPORTIONING:
 - AGGREGATE: 3/4" MINIMUM, 1 1/2" MAX
 - W/C RATIO: 0.54 MAX
 - ENTRAPPED AIR ONLY (NO ENTRAINMENT), 2.5% ± 1%
 - SLUMP: 4" MAX.
 - ADDITIONAL SLUMP MAY BE ACHIEVED BY THE ADDITIONAL OF MID-RANGE OR HIGH-RANGE WATER REDUCING ADMIXTURE. MAX SLUMP AFTER THE ADDITION OF ADMIXTURE SHALL BE 6" OR 8" FOR MID-RANGE OR HIGH-RANGE ADMIXTURES RESPECTIVELY.
- CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
- PROVIDE PVC SLEEVES WHERE PIPES PASS THROUGH EXTERIOR CONCRETE, OR SLABS.
- REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185 AND BE PROVIDED IN FLAT SHEETS.
- MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
 - SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH, 3.0"
 - FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER #5 BARS, 5/8" DIAMETER WIRE AND SMALLER, 1.5" #6 THROUGH #11 BARS, 2.0"
 - SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER WALLS, SLABS, JOISTS #11 BARS AND SMALLER, 1.0" BEAMS, GIRDERS, AND COLUMNS; ALL REINFORCEMENT, 1.5"
- WELDING OF REINFORCEMENT IS NOT PERMITTED
- ANCHOR RODS SHALL BE HEADED RODS CONFORMING TO ASTM F1554, GRADE 36 KSI WELDABLE STEEL, UNLESS NOTED OTHERWISE ON DRAWINGS. ANCHOR RODS THAT ARE TO BE IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED.
- ALL GROUT BENEATH BASE PLATES & BEARING PLATES SHALL BE "5-STAR" 5000-PSI NON-SHRINK GROUT BY U.S. GROUT CORP.
- INSTALLATION OF REINFORCEMENT SHALL BE COMPLETED AT LEAST 24 HOURS PRIOR TO THE SCHEDULED CONCRETE PLACEMENT. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF COMPLETION AT LEAST 24 HOURS PRIOR TO THE SCHEDULED COMPLETION OF THE INSTALLATION OF REINFORCEMENT.
- ALL ITEMS TO BE EMBEDDED INTO CONCRETE SHALL BE INSTALLED PRIOR TO PLACEMENT OF CONCRETE. PROVIDE ADDITIONAL REINFORCEMENT AND/OR TEMPLATES AS REQUIRED TO ENSURE THE CORRECT POSITIONS OF EMBEDMENTS. "WET SETTING" OF EMBEDMENTS INTO CONCRETE IS STRICTLY PROHIBITED. EMBEDMENTS INCLUDE, BUT NOT LIMITATION, REINFORCEMENT, REINFORCING DOWELS, EMBEDDED PLATES, ANCHOR RODS, ANCHOR INSERTS, SLEEVES, LOAD TRANSFER PLATES, DIAMOND DOWELS, AND SHELF BULK HEADS.

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN FABRICATIONS, AND ERECTION OF STRUCTURAL STEEL" LATEST EDITION, AND THE "CODE OF STANDARD PRACTICE", LATEST EDITION.
- STRUCTURAL STEEL: STEEL PLATES, SHAPES, AND BARS, CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE (U.N.O.). STRUCTURAL STEEL SHAPES DESIGNATED ON THE DRAWINGS FOR WIDE-FLANGE SECTIONS: ASTM A992 (ASTM A572 GRADE 50 WITH SPECIAL REQUIREMENTS PER AISC TECHNICAL BULLETIN #3 DATED MARCH, 1997)
- STRUCTURAL TUBING: CONFORM TO ASTM A500 GRADE B46 KSI.
- FIELD CONNECTIONS SHALL BE BOLTED USING ASTM A325N HIGH STRENGTH BOLTS (U.N.O.) EXCEPT WHERE SLIP CRITICAL CONNECTIONS ARE REQUIRED AND NOTED BY A325 (SC) ON THE DRAWINGS. PROVIDE SLIP CRITICAL (SC) CONNECTIONS AT ALL MOMENT CONNECTIONS, BRACED FRAMES, RELIEVING ANGLES AND AS OTHERWISE NOTED. USE A490 BOLTS WHERE INDICATED.
- WHERE WELDING IS INDICATED, ALL WELDING SHALL CONFORM TO AWS D1.1-LATEST EDITION. ELECTRODES SHALL CONFORM TO AWS A5.1 E70XX SERIES WITH PROPER ROD TO PRODUCE OPTIMUM WELD (LOW HYDROGEN)
- SEE CONCRETE NOTES AND DRAWINGS FOR ANCHOR BOLT INFORMATION, TYP.
- PROVIDE 3/8" MINIMUM STIFFENER PLATES EACH SIDE OF BEAM WEB AT BEAMS FRAMING OVER COLUMNS AND AT BEAMS SUPPORTING COLUMNS ABOVE.
- PROVIDE ALL MISCELLANEOUS ANGLES, PLATES, ANCHOR BLOTS ETC., SHOWN ON ARCHITECTURAL DRAWINGS FOR SUPPORT OF BLOCKING, PARAPETS, FINISHES, ETC. COORDINATE WITH MISCELLANEOUS METAL FABRICATOR TO ENSURE COMPLETE COVERAGE OF ALL ITEMS.
- PROVIDE L 4 x 4 x 1/4 SLAB SUPPORT ANGLE AS REQUIRED AT COLUMNS WHERE STRUCTURAL MEMBERS DO NOT FRAME IN AT ALL FOUR SIDES.
- PAINT STRUCTURAL STEEL EXPOSED TO THE VIEW WITH FABRICATOR'S RUST INHIBITIVE PRIMER AND TOP COAT WITH ALKYD GLOSS PAINT. SUBMIT PAINT PRODUCT INFO FOR REVIEW PRIOR TO USE. TOP COAT PAINT COLOR PER ARCH REQUIREMENTS.

METAL DECK

- THE METAL ROOF AND FLOOR DECK SHALL BE FORMED OF STEEL SHEETS CONFORMING TO ASTM STANDARD A611.
- FLOOR AND ROOF DECK SHALL BE AS NOTED ON THE DRAWINGS (OR EQUIVALENT).
- FOR DECK ATTACHMENTS, PENETRATIONS AND ACCESSORIES REFER TO DWG. S3



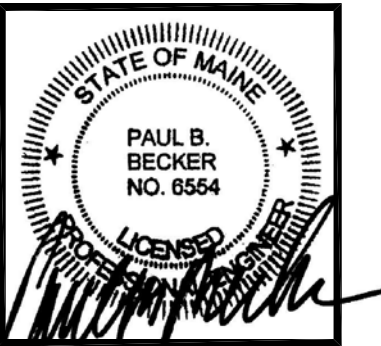
BRACE FRAME ELEVATIONS
1/8"=1'-0"

NOTES:

- ALL PAINTED SURFACES MUST BE CLEANED & FREE OF PAINT PRIOR TO FIELD WELDING.
- G.C. TO VERIFY GEOMETRY AND DIMENSIONS PRIOR TO STEEL FABRICATION.

H:\PROJECTS\W02500-2599\2545 MARTIN'S PT CLINIC BRACING REPAIRS\CAD\STRUCT\2545ALL.DWG

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
PORTLAND, MAINE

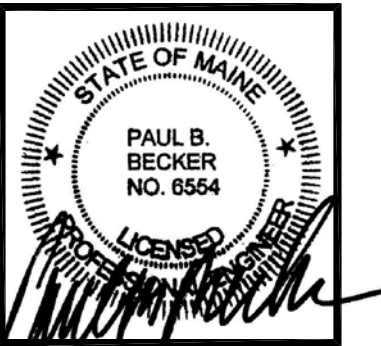


JOB NO. 11-014
DRWN. CHK RJB AMF
SCALE: NOTED
ISSUE 28 APRIL 2011
TITLE NOTES & BRACE ELEVATIONS

ISSUE FOR PERMIT SET
04/26/11

SHEET
50

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
PORTLAND, MAINE



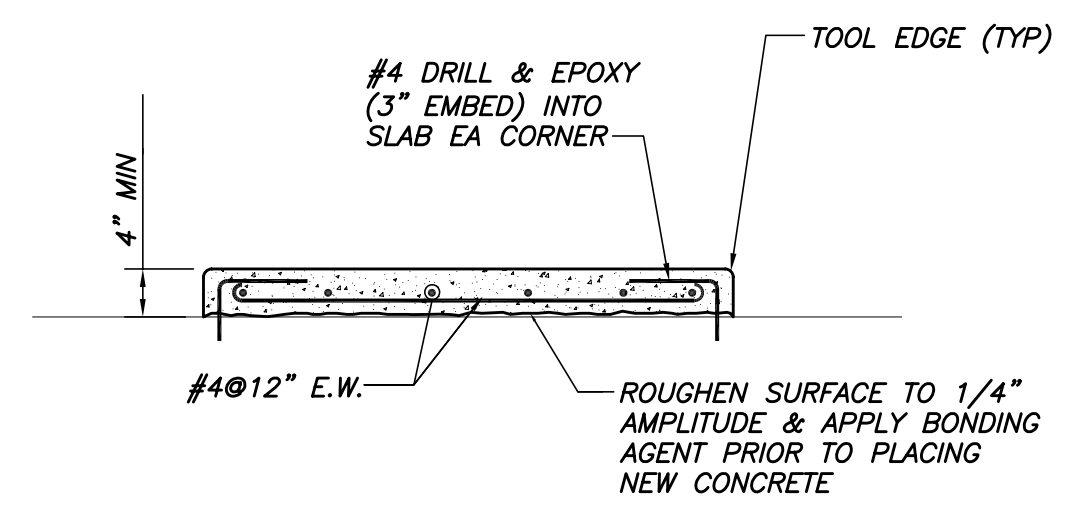
JOB NO. 11-014
DRWN. CHK RJB AMF
SCALE: NOTED
ISSUE 28 APRIL 2011
TITLE GROUND FLOOR & FIRST FLOOR FRAMING PLANS
SHEET

S1

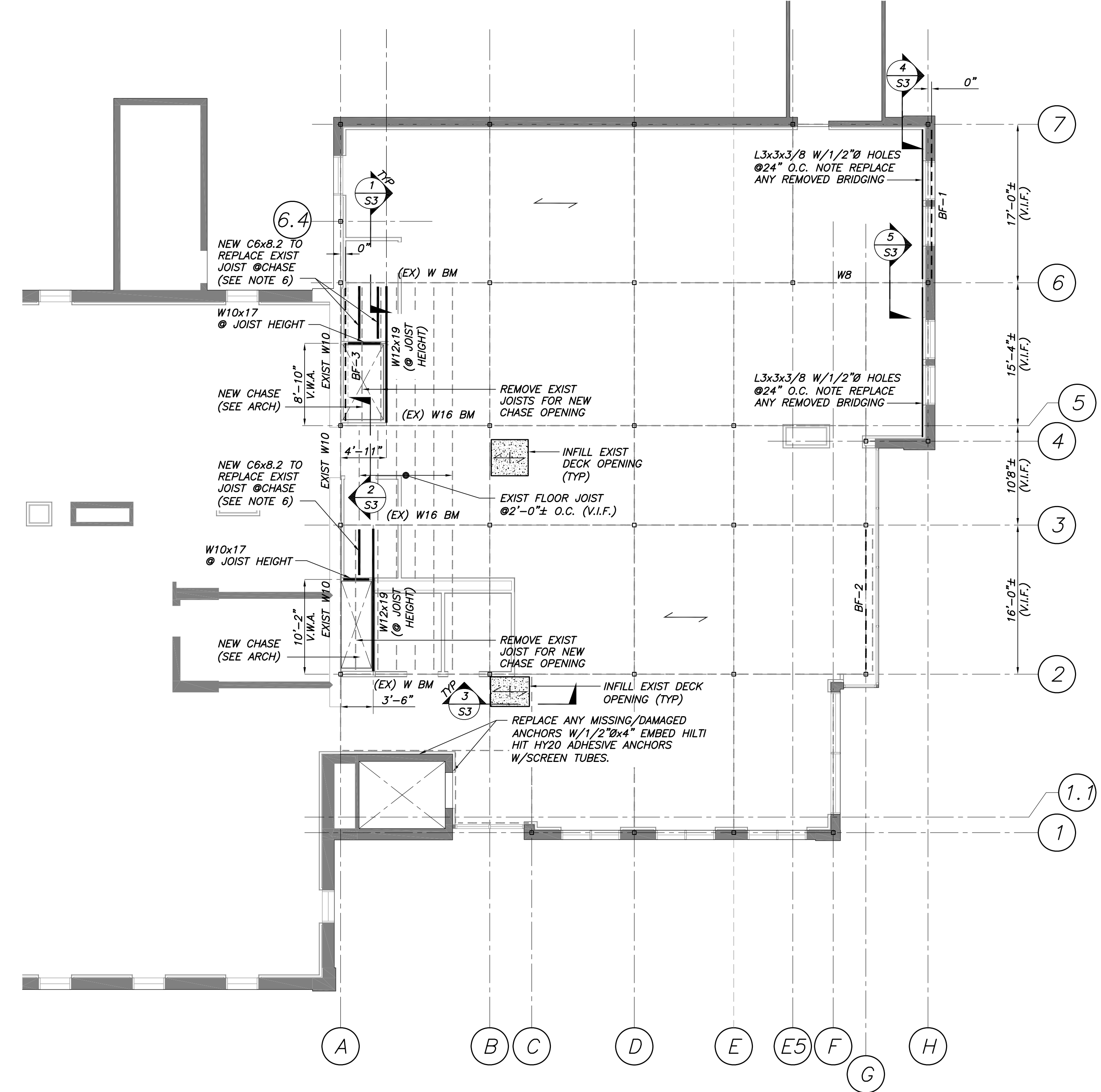


GROUND FLOOR PLAN
1/8"=1'-0"

- NOTES:
- G.C. TO VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO STEEL FABRICATION.
 - BF-X INDICATES BRACED FRAME. SEE DWG. S0 FOR ELEVATIONS AND ADDL. INFO.
 - BP-A INDICATES BASE PLATE TYPE. SEE DWG S3 FOR ADDL. INFO.
 - G.C. TO COORD HOUSE KEEPING PAD DIMENSIONS AND LOCATIONS W/MECHANICAL. SEE TYP DETAIL THIS DWG FOR ADDL. INFO.



TYP EQUIPMENT HOUSEKEEPING PAD DETAIL
N.T.S.
NOTE:
G.C. TO COORD HOUSE KEEPING PAD
DIMENSIONS AND LOCATIONS W/MECHANICAL.



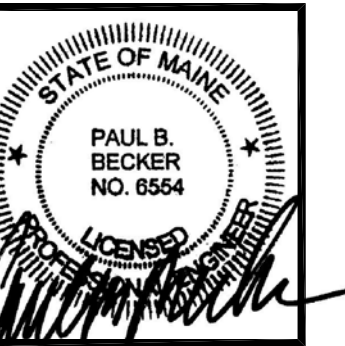
FIRST FLOOR FRAMING PLAN
1/8"=1'-0"

- NOTES:
- G.C. TO VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO STEEL FABRICATION.
 - INDICATES SPAN DIRECTION OF EXISTING CONCRETE DECK ON METAL FORM DECK.
 - BF-X INDICATES BRACED FRAME. SEE DWG. S3 FOR ELEVATIONS AND ADDL. INFO.
 - INDICATES SPAN DIRECTION OF 0.6C24 FORM DECK W/6x6 W2.1xW2.1 W.W.F. MATCH EXISTING CONCRETE THICKNESS.
 - V.W.A. INDICATES VERIFY CHASE OPENING W/ARCHITECTURAL DWGS.
 - NEW C6x8.2 SHALL BE LOCATED IN CONTACT WITH OR AS CLOSE AS POSSIBLE TO EXISTING JOIST.

ISSUE FOR PERMIT SET
04/26/11

H:\PROJECTS\W02500-2599\2545 MARTIN'S PT CLINIC BRACING REPAIRS\CAD\STRUCT\2545ALL.DWG

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
PORTLAND, MAINE



JOB NO.
11-014

DRWN. CHK
RJB AMF

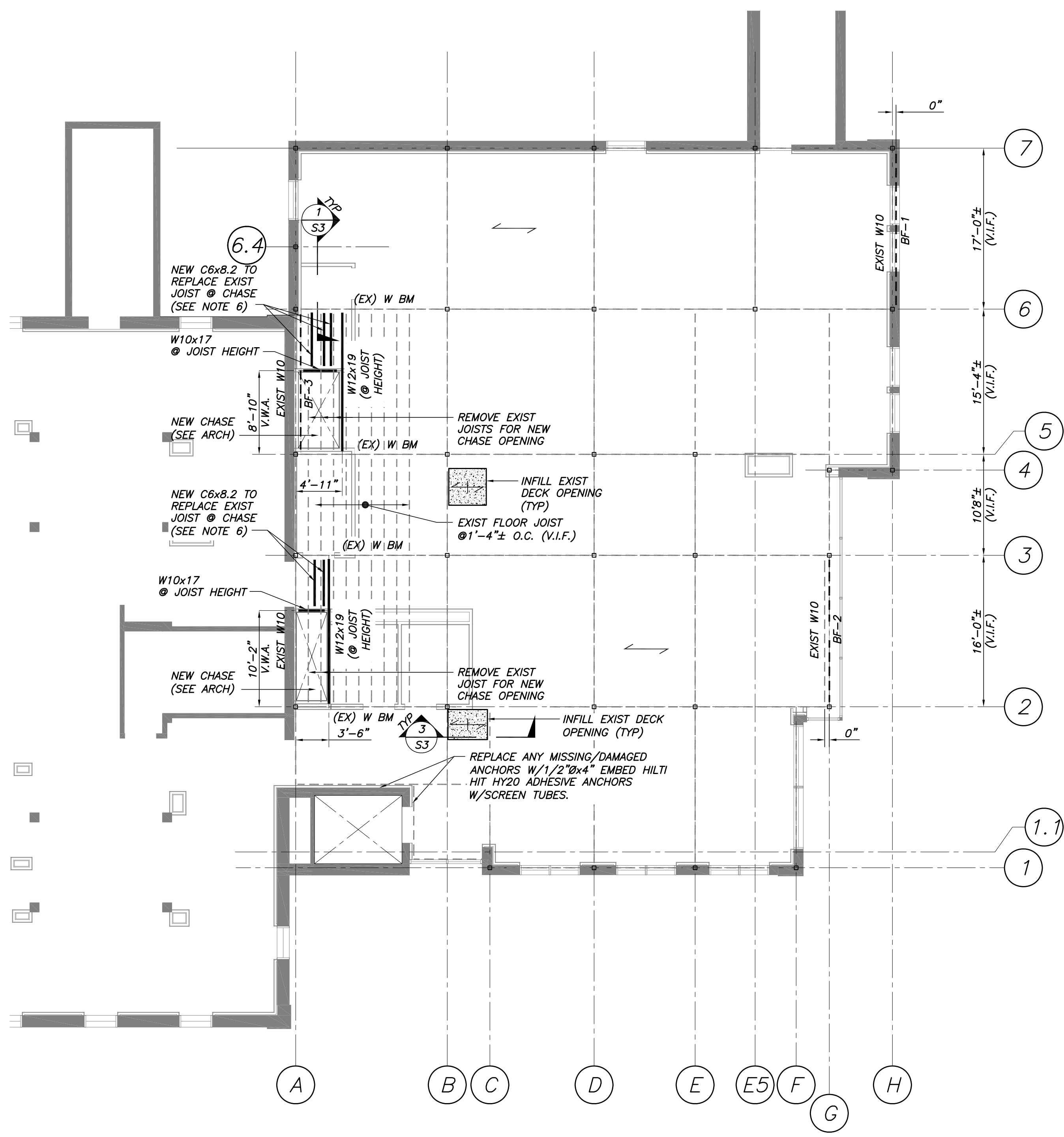
SCALE:
NOTED

ISSUE
28 APRIL 2011

TITLE
SECOND FLOOR
& MECH MEZZ/ROOF
FRAMING PLANS

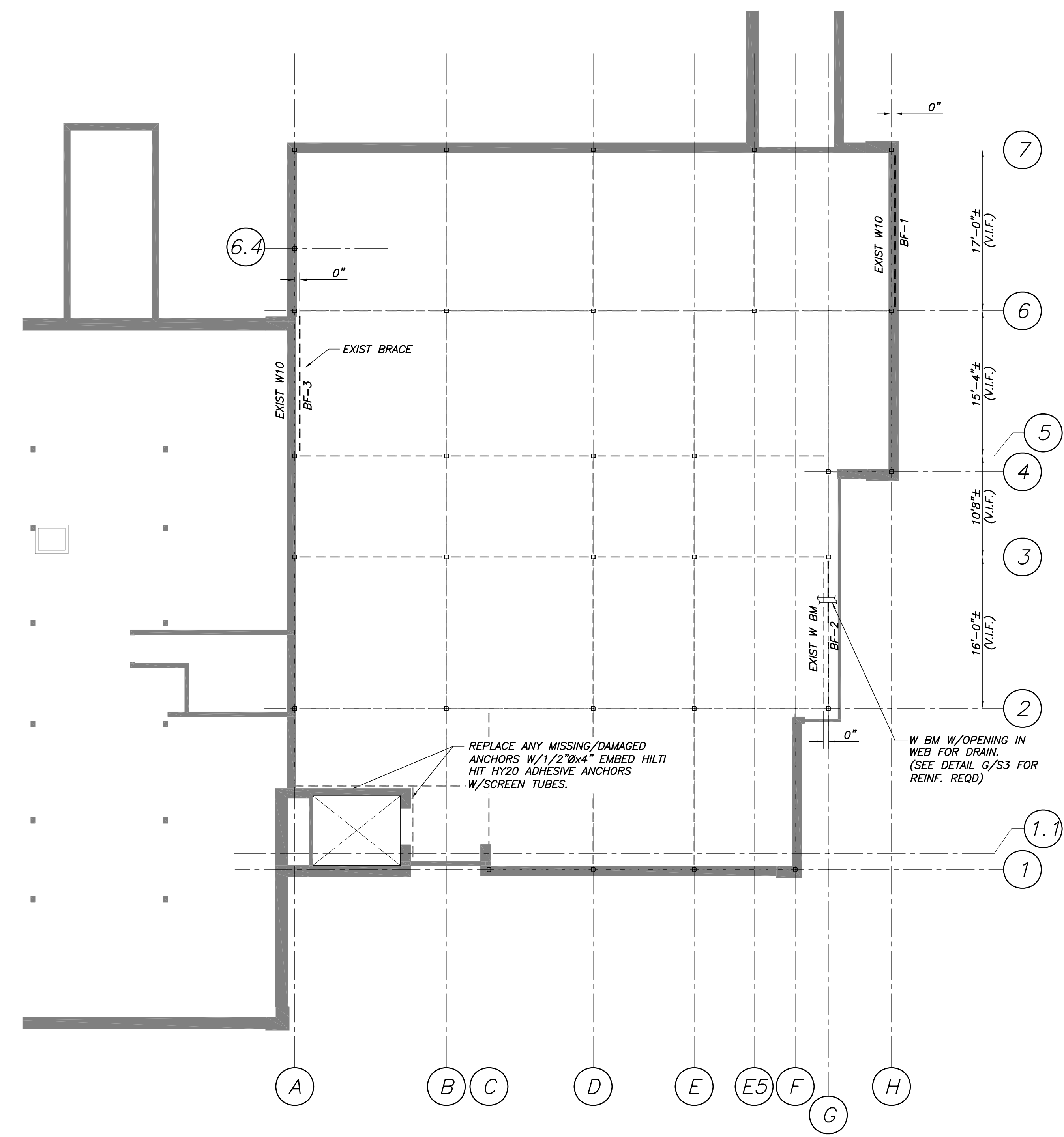
SHEET

S2



SECOND FLOOR FRAMING PLAN
1/8"=1'-0"

- NOTES:
- G.C. TO VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO STEEL FABRICATION.
 - INDICATES SPAN DIRECTION OF EXISTING CONCRETE DECK ON METAL FORM DECK.
 - BF-X INDICATES BRACED FRAME. SEE DWG. S3 FOR ELEVATIONS AND ADDL INFO.
 - INDICATES SPAN DIRECTION OF 0.6C24 FORM DECK W/6x6 W2.1xW2.1 W.W.F. MATCH EXISTING CONCRETE THICKNESS.
 - V.W.A. INDICATES VERIFY CHASE OPENING W/ARCHITECTURAL DWGS.
 - NEW C6x8.2 SHALL BE LOCATED IN CONTACT WITH OR AS CLOSE AS POSSIBLE TO EXISTING JOIST.

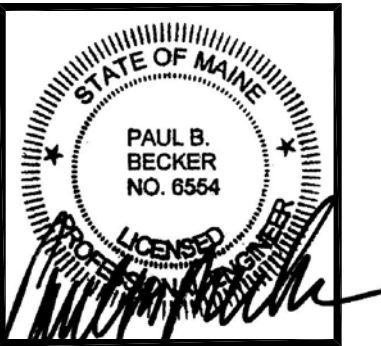
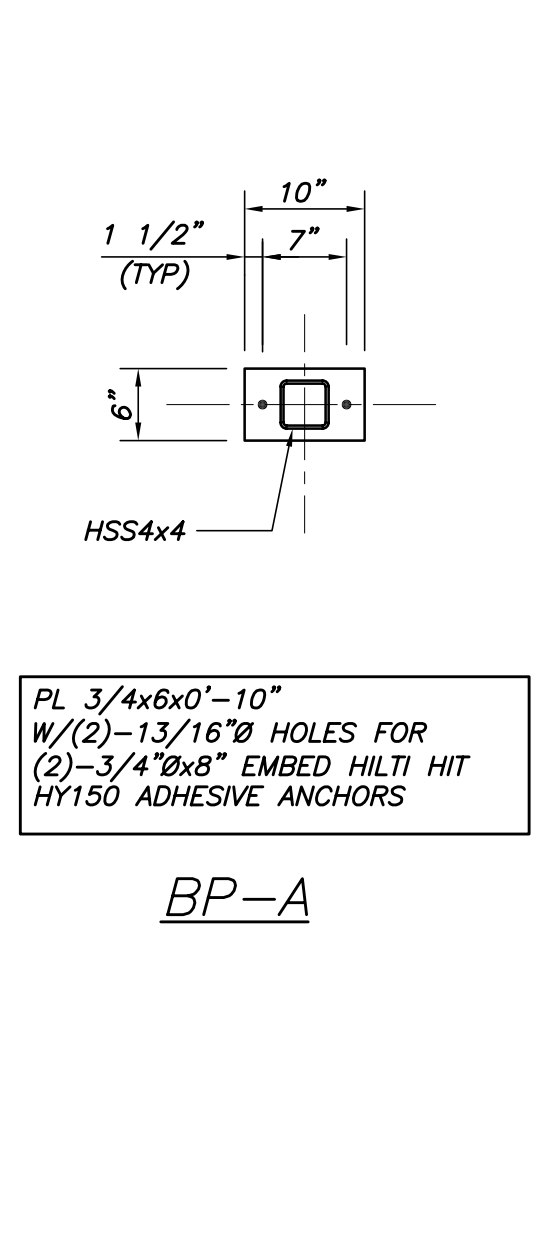
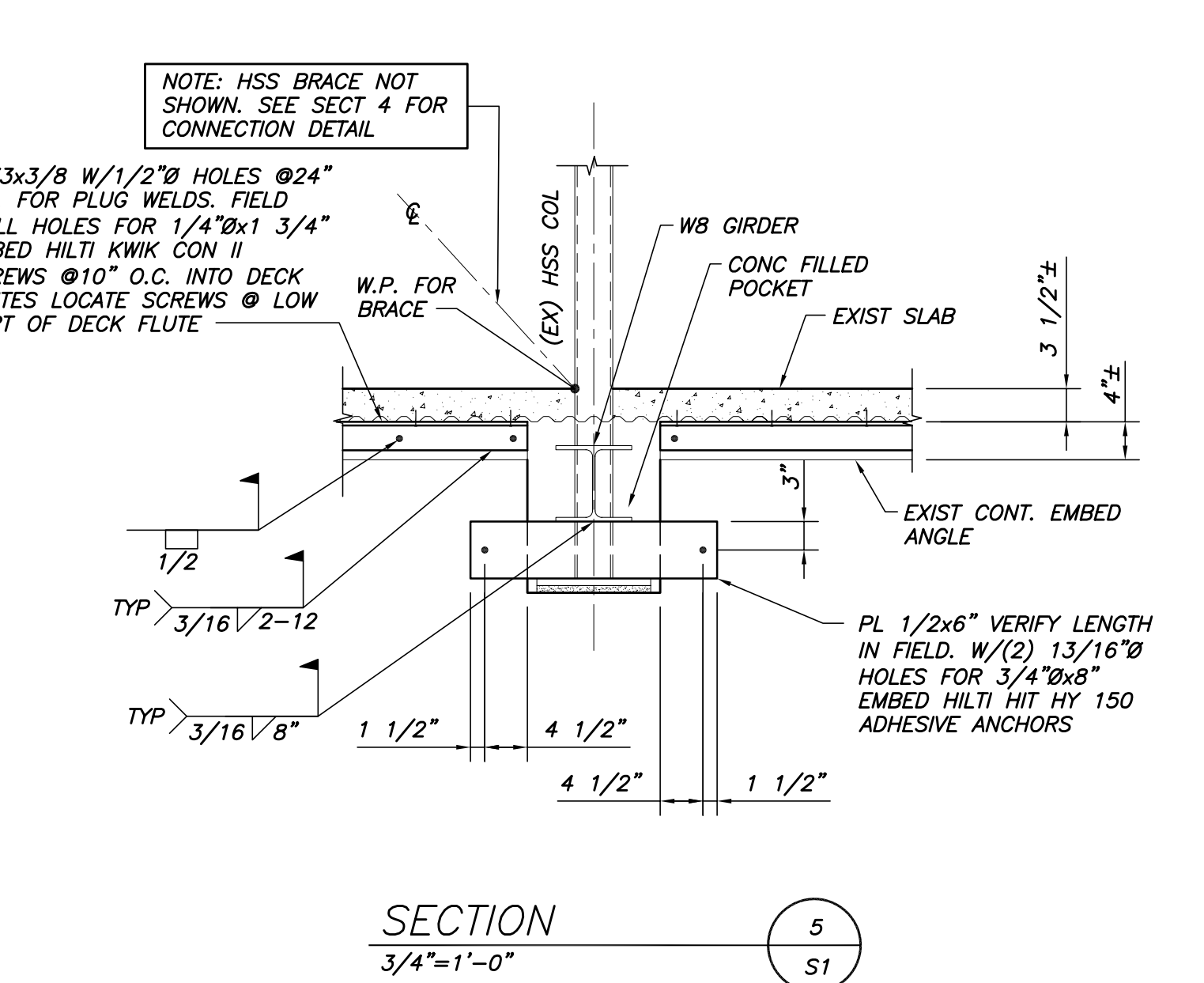
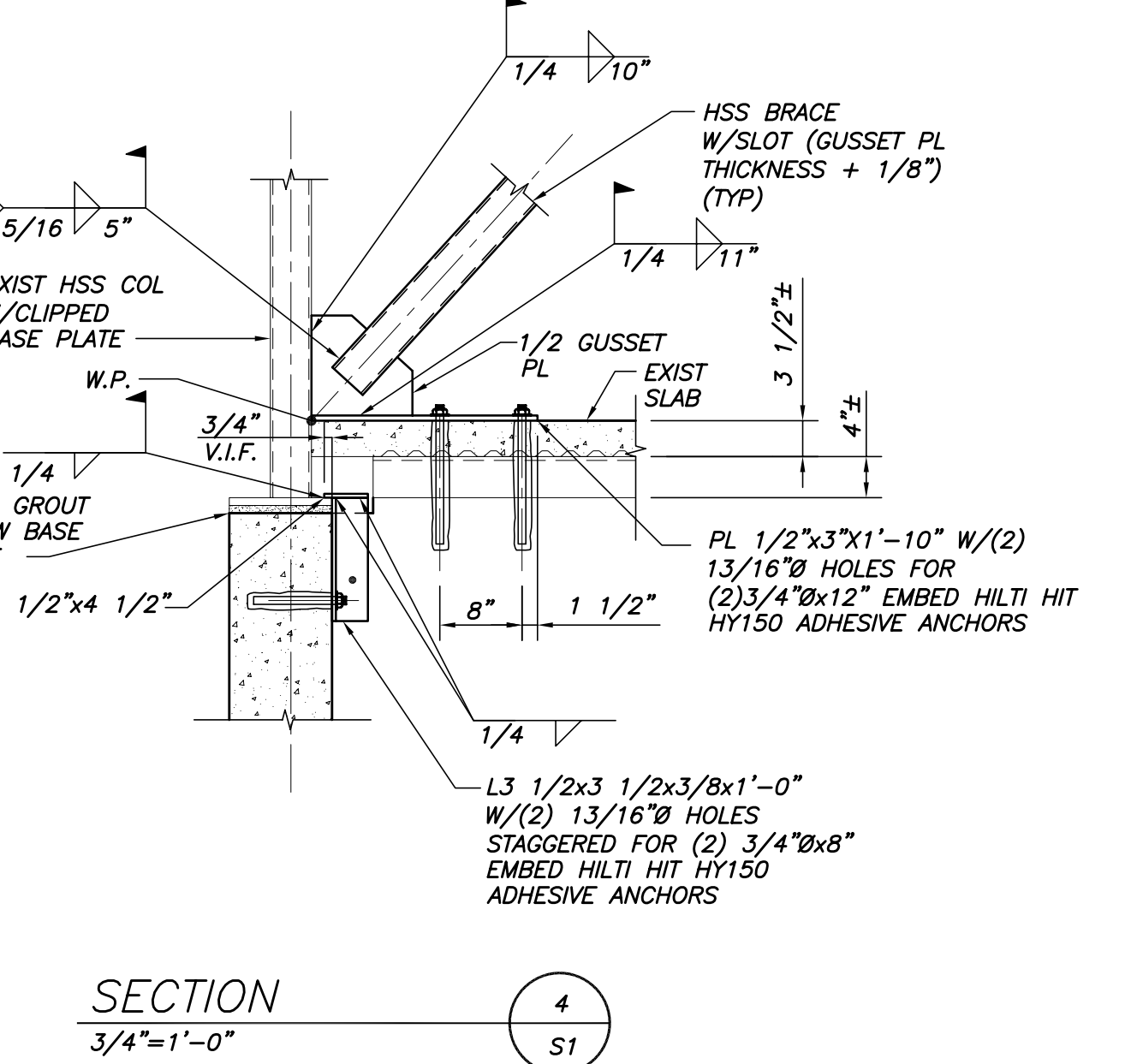
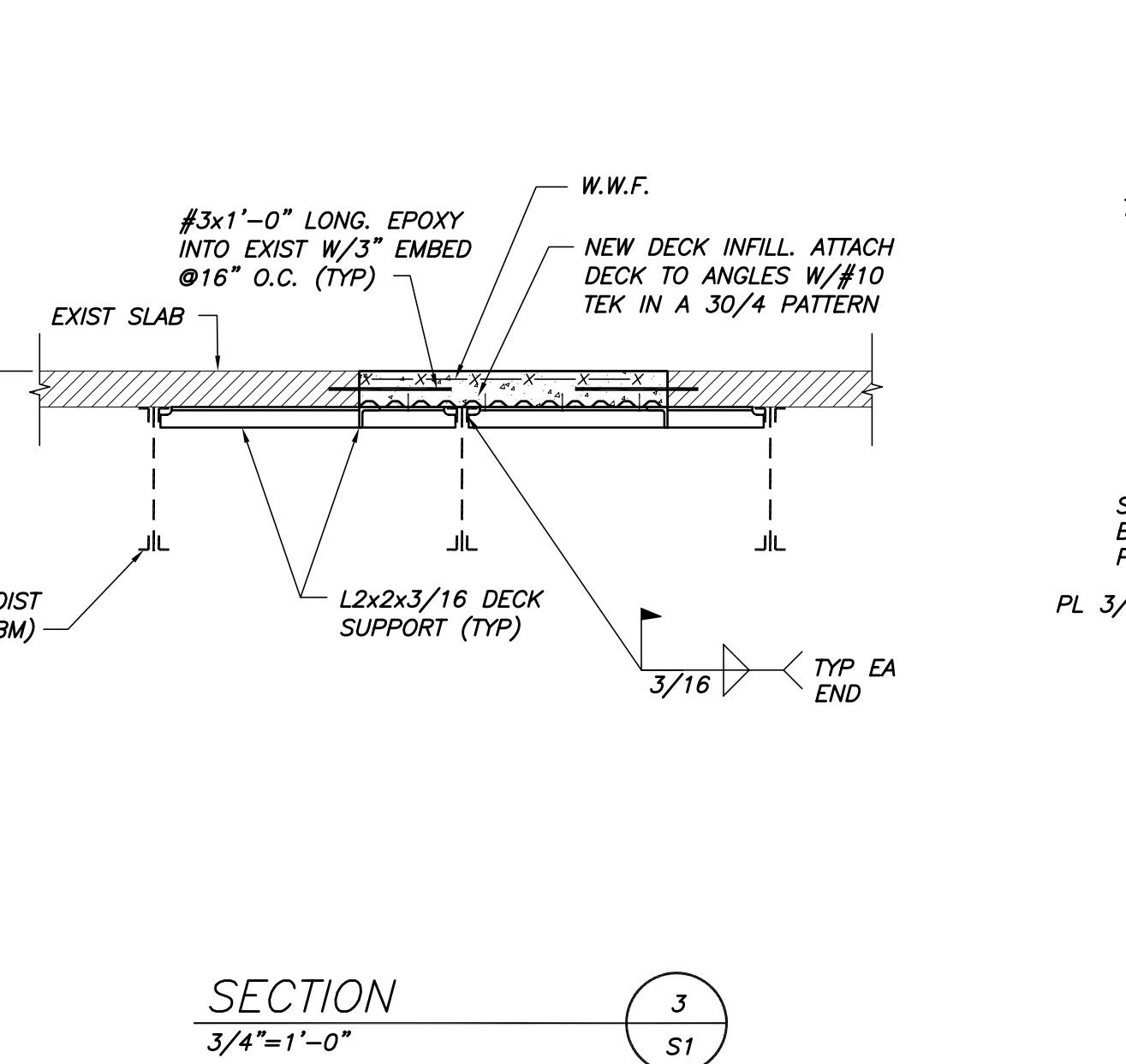
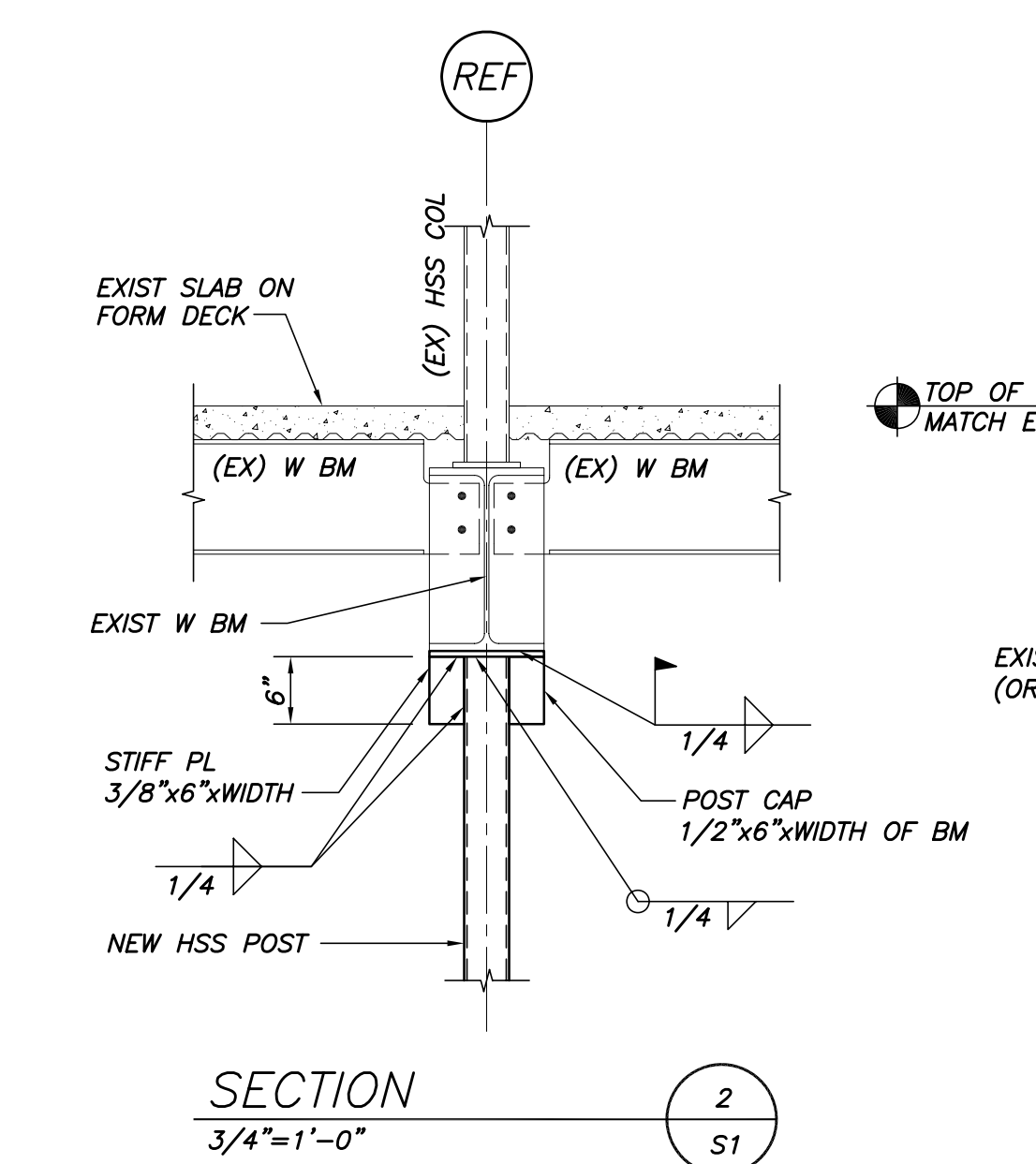
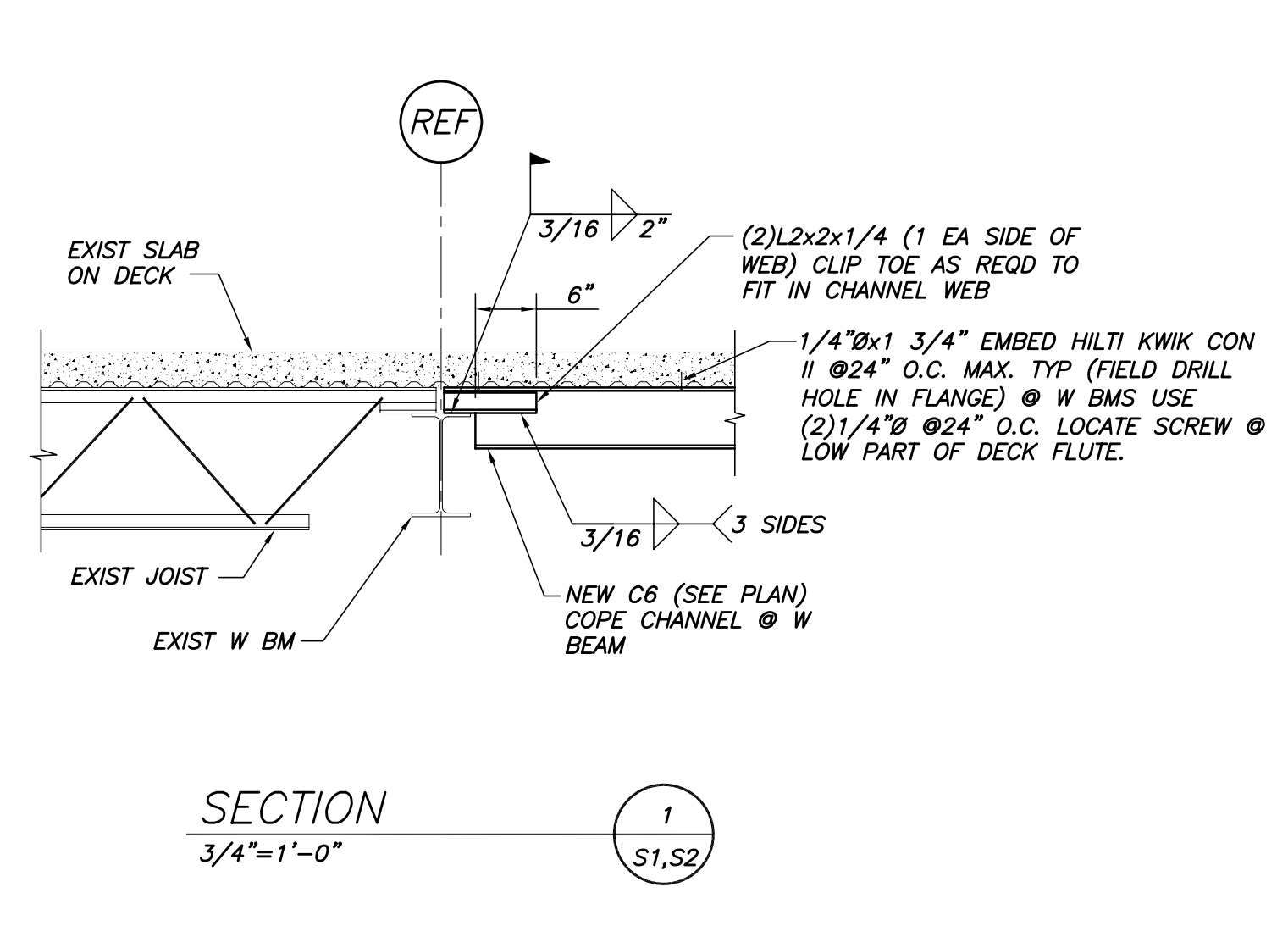
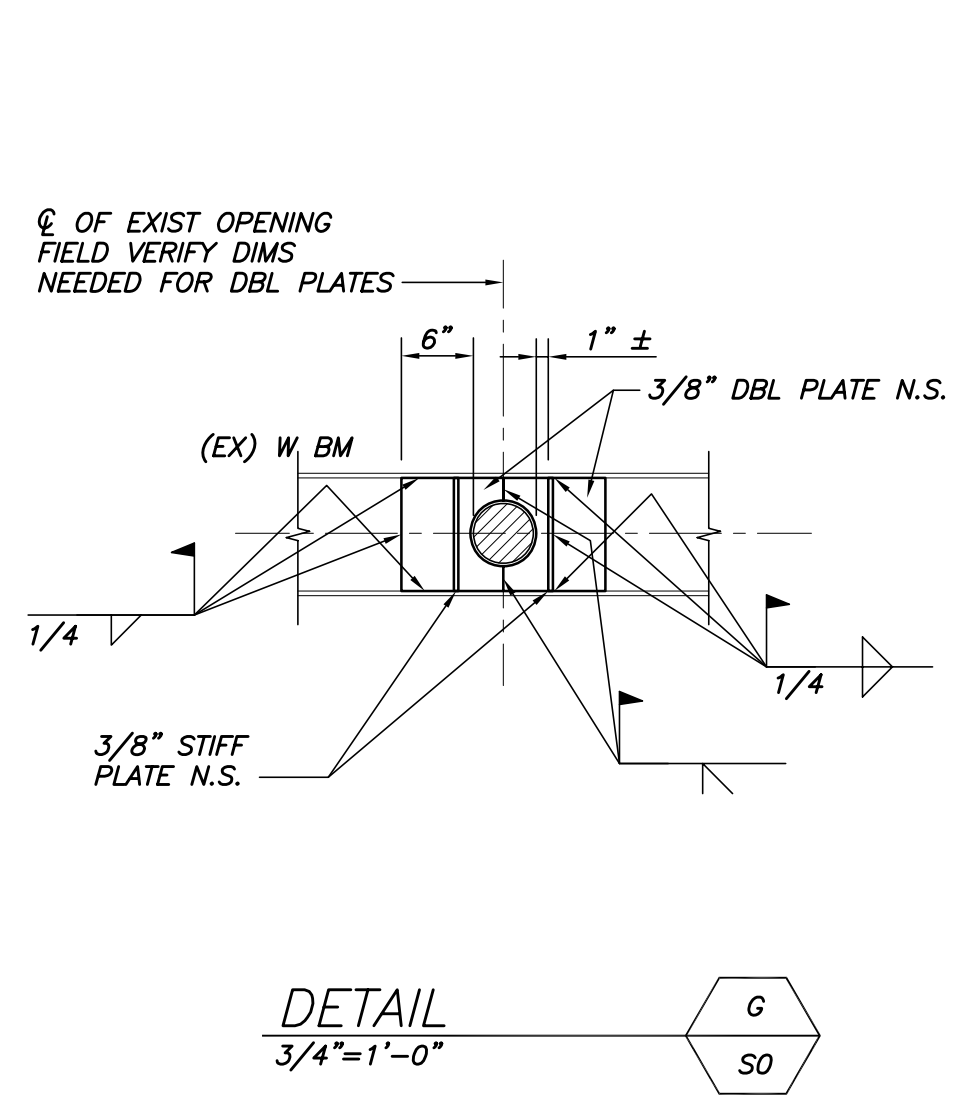
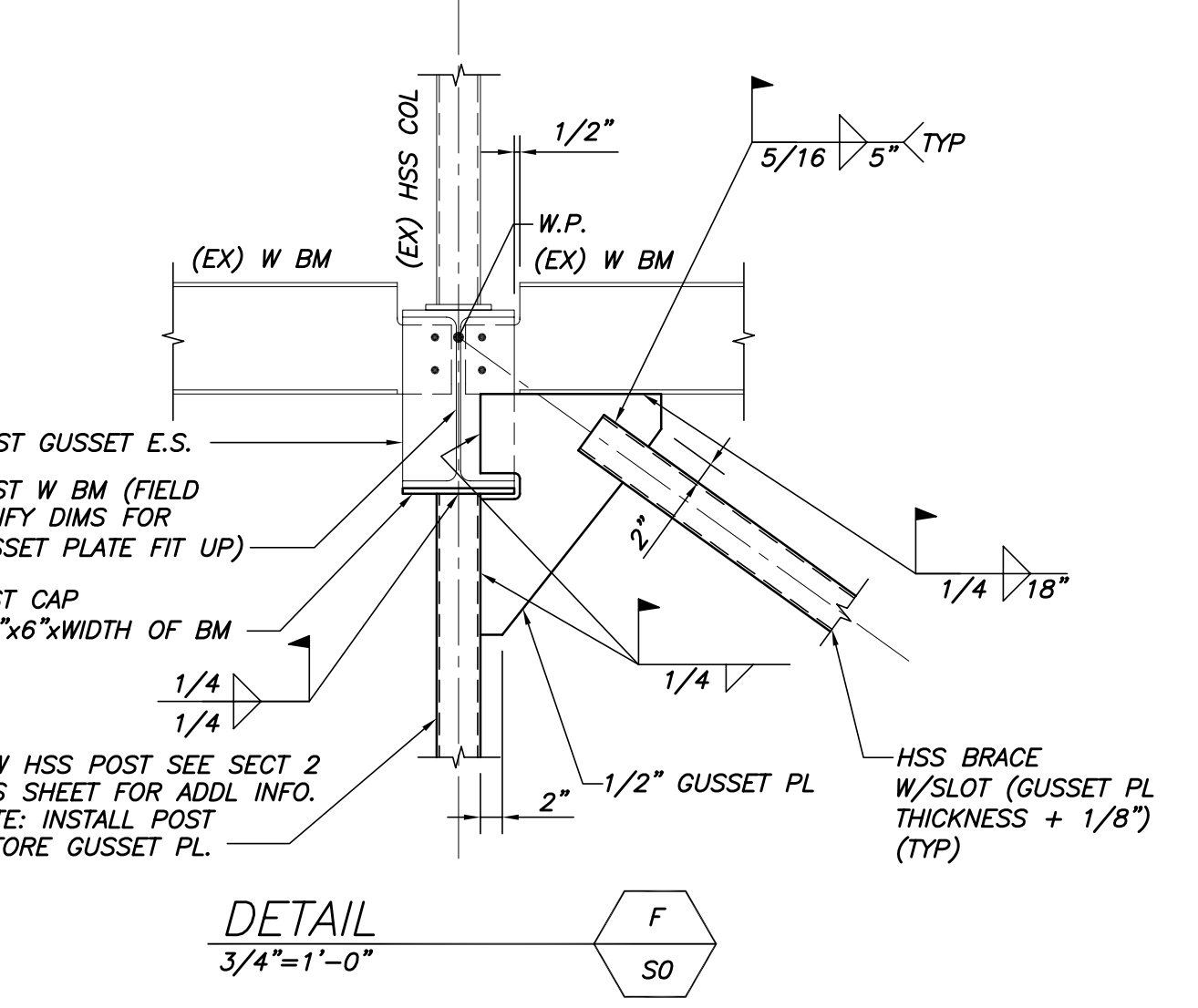
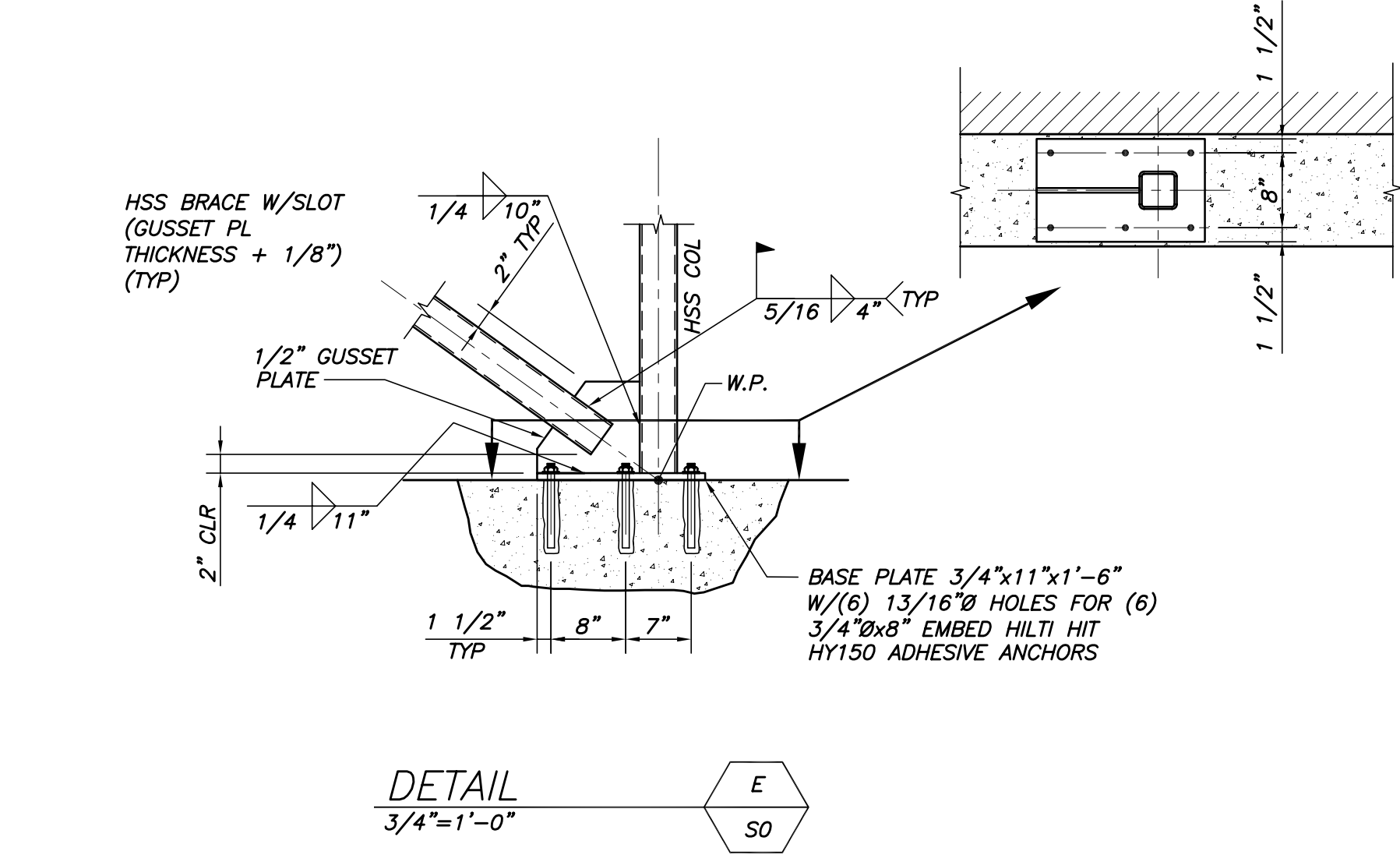
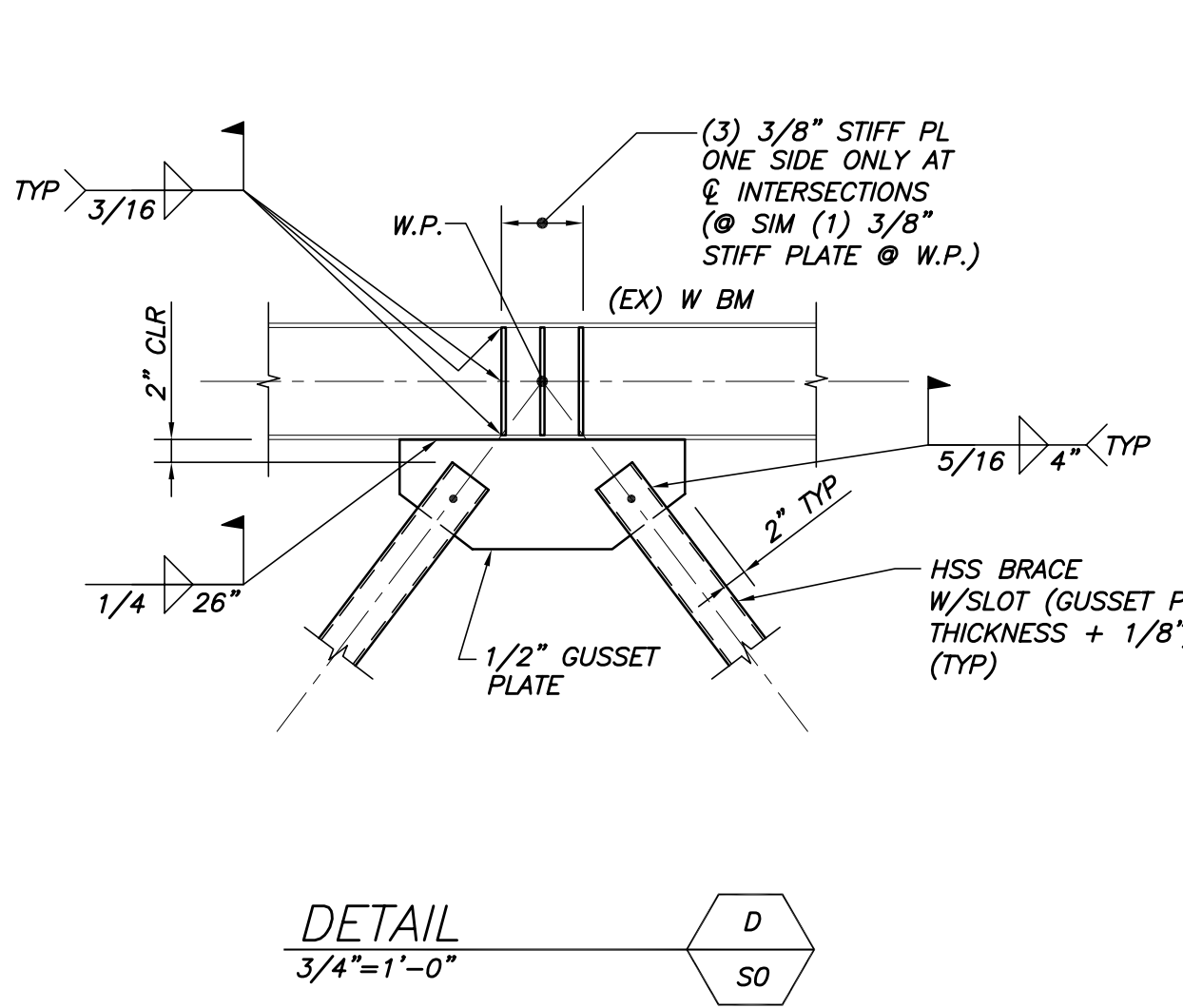
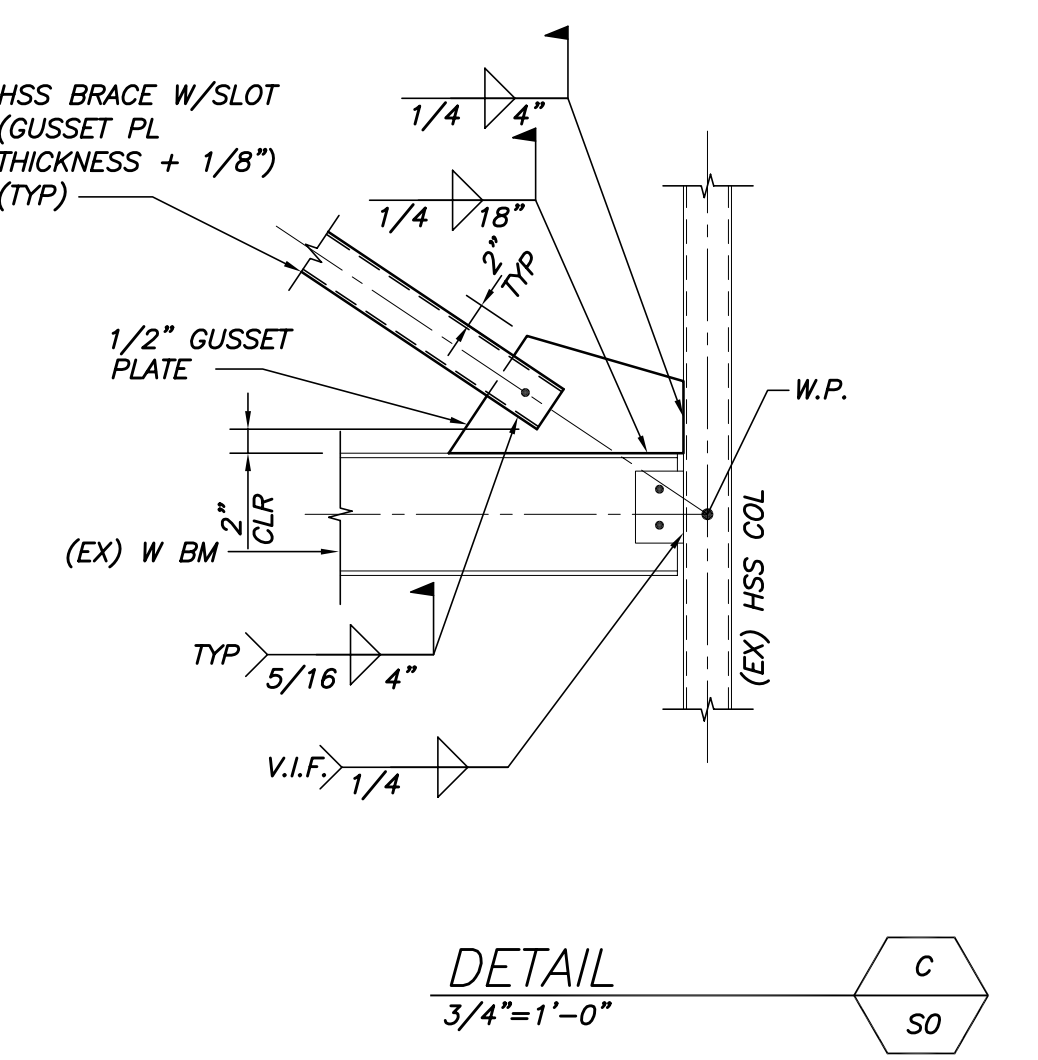
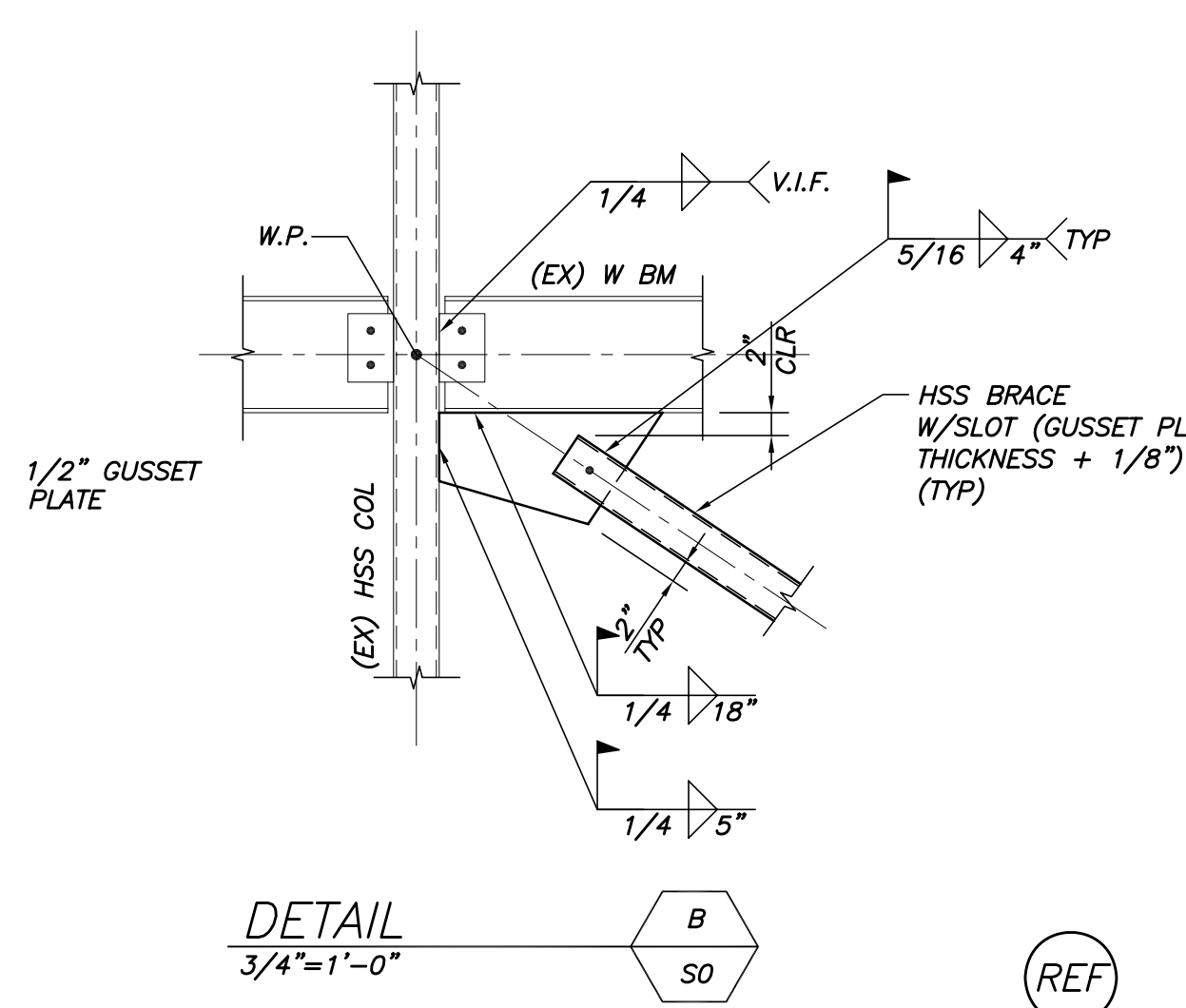
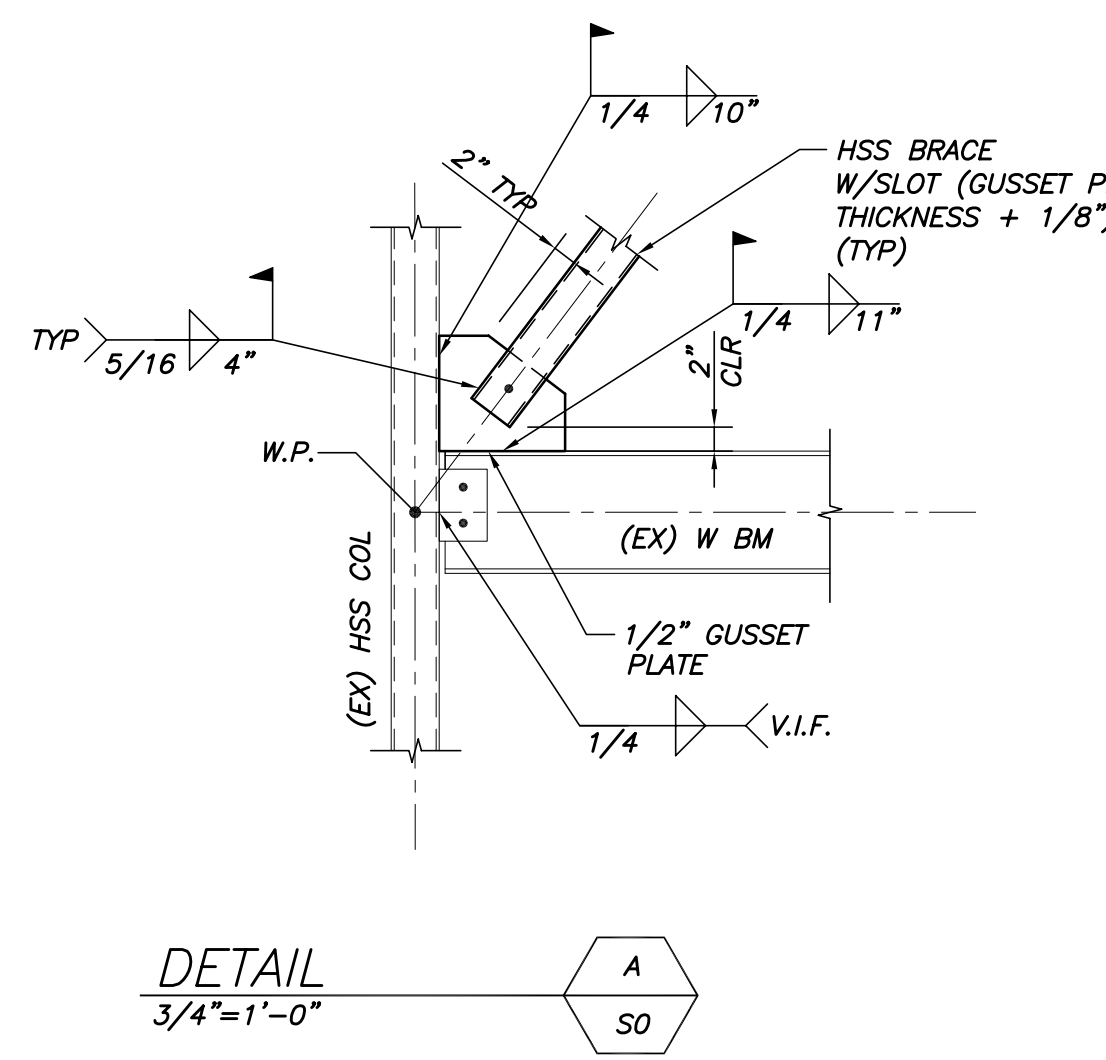


ROOF FRAMING PLAN
1/8"=1'-0"

- NOTES:
- G.C. TO VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO STEEL FABRICATION.
 - ROOF TRUSSES NOT SHOWN.
 - BF-X INDICATES BRACED FRAME. SEE DWG. S3 FOR ELEVATIONS AND ADDL INFO.
 - HORIZONTAL BRACING NOT SHOWN.

ISSUE FOR PERMIT SET
04/26/11

H:\PROJECTS\W02500-2599\2545 MARTIN'S PT CLINIC BRACING REPAIRS\CAD\STRUCT\2545ALL.DWG



JOB NO.
11-014

DRWN. CHK
RJB AMF

SCALE:
NOTED

ISSUE
28 APRIL 2011

TITLE
SECTION & DETAILS

SHEET

S3

ISSUE FOR PERMIT SET
04/26/11

H:\PROJECTS\W02500-2599\2545 MARTIN'S PT CLINIC BRACING REPAIRS\CAD\STRUCT\2545ALL.DWG

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

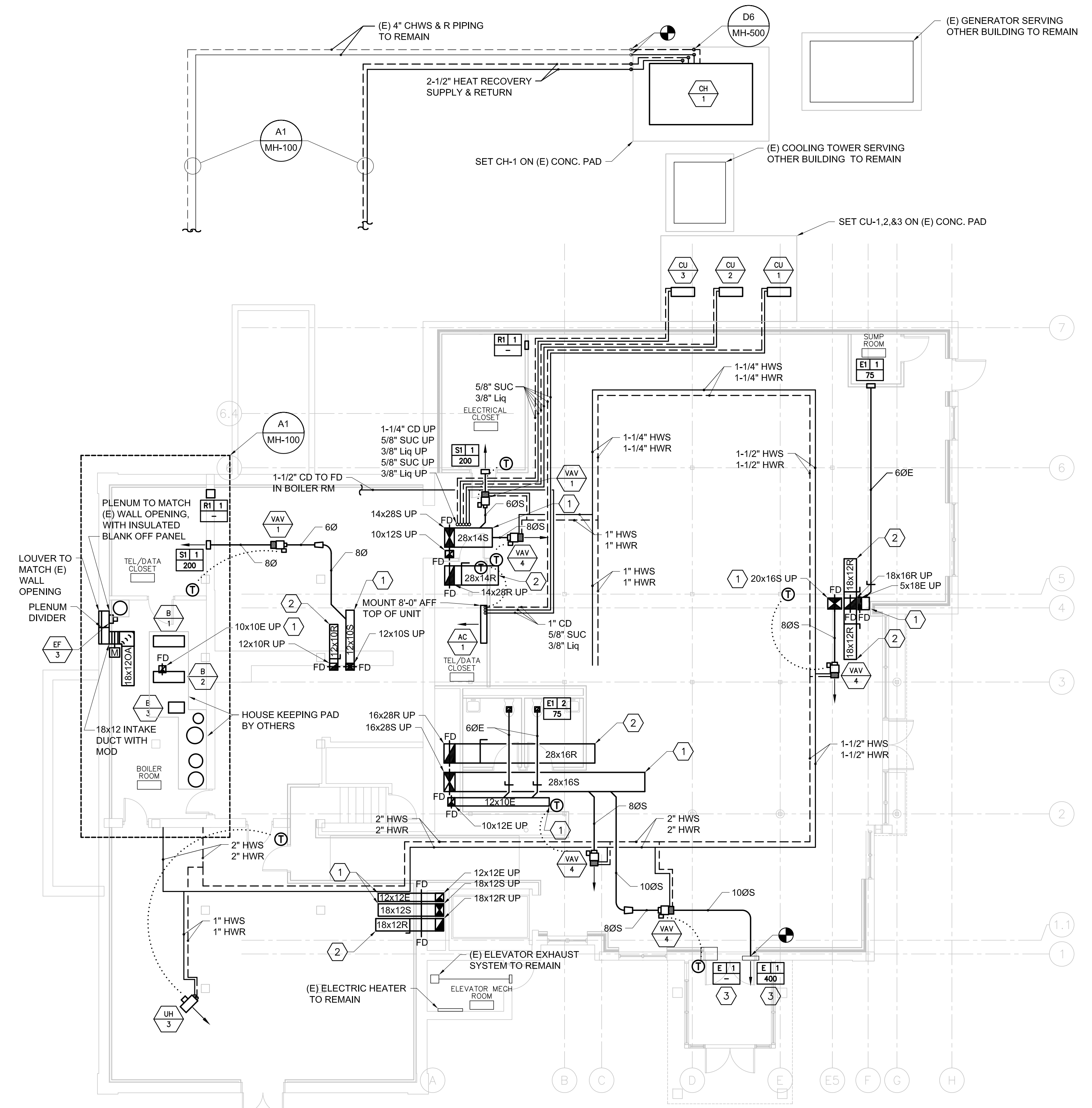
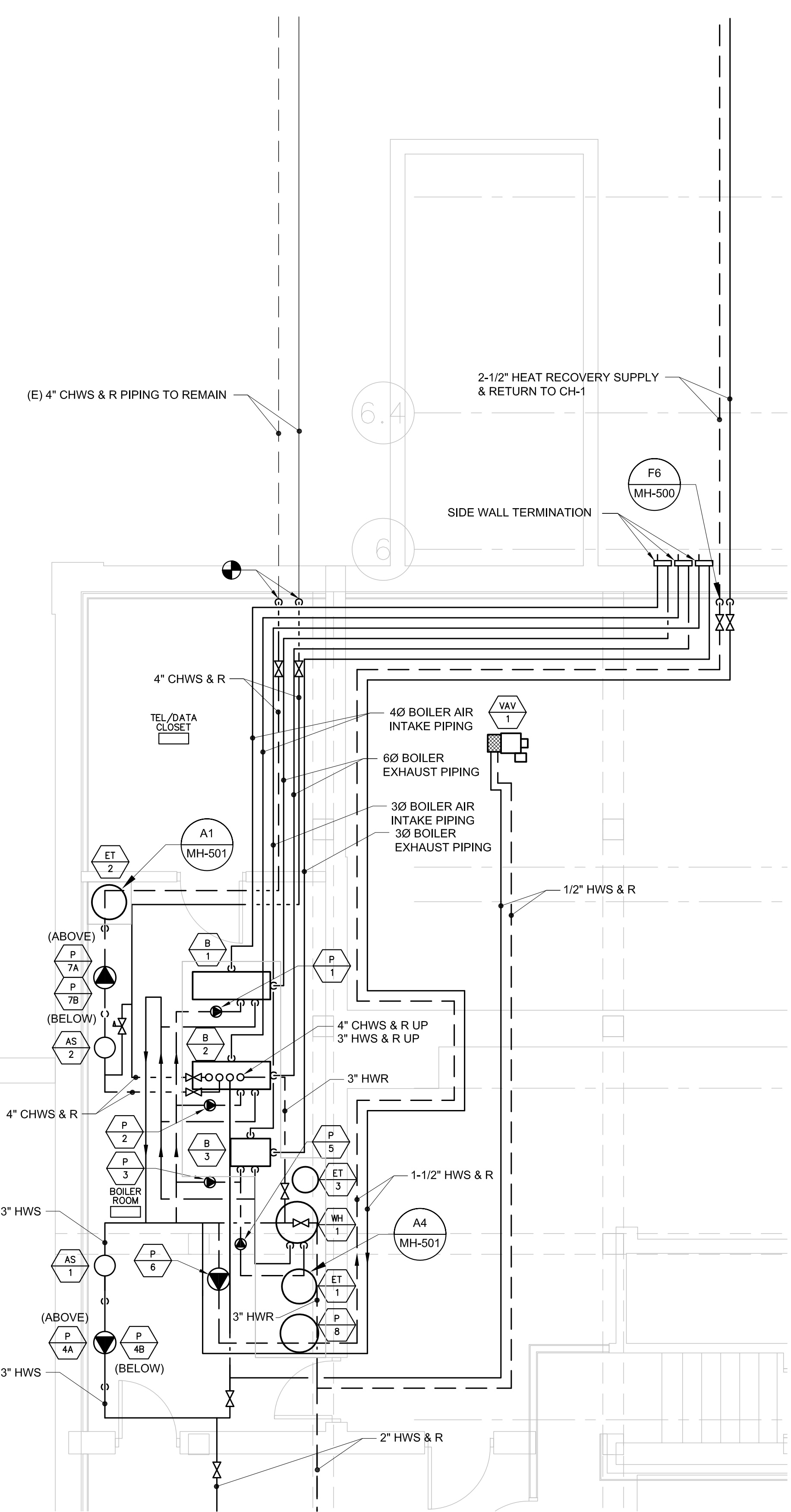
ISSUE

TITLE
 MECHANICAL
 GROUND FLOOR
 PLAN

SHEET

MH-100

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION



- KEY NOTE:**
- ① DUCTWORK CAP FOR FUTURE FIT-UP.
 - ② RETURN DUCTWORK OPEN-ENDED WITH VOLUME DAMPER.
 - ③ EXISTING GRILLE TO REMAIN.



A1 MECHANICAL ENLARGED BOILER ROOM PIPING PLAN
 1/4" = 1'-0"

A5 MECHANICAL GROUND FLOOR PLAN
 1/8" = 1'-0"

N:\Projects\2011\11022 - Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022M.dwg Apr 27, 2011 - 4:19pm

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

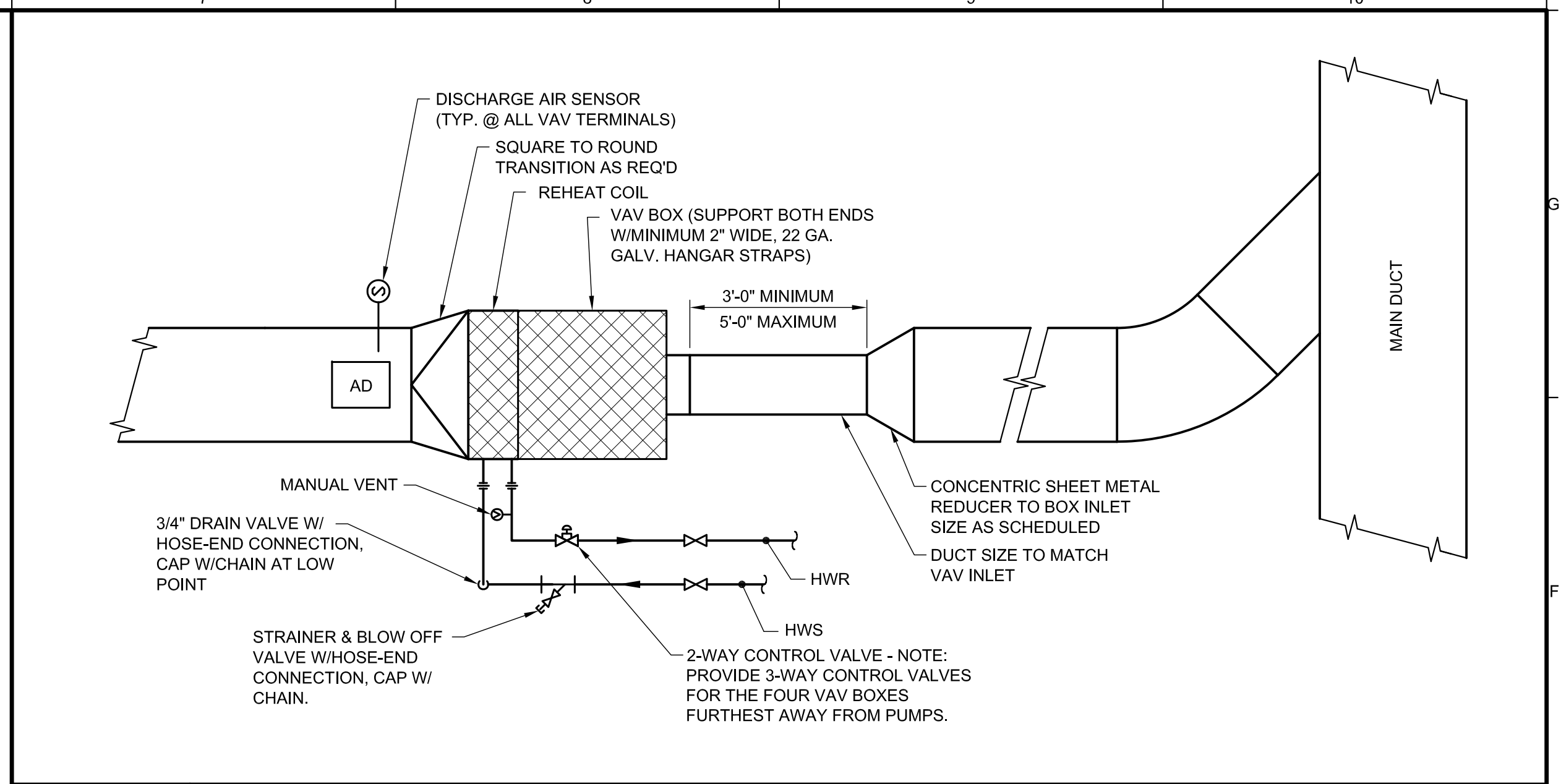
ISSUE

TITLE
 MECHANICAL
 FIRST FLOOR
 PLAN

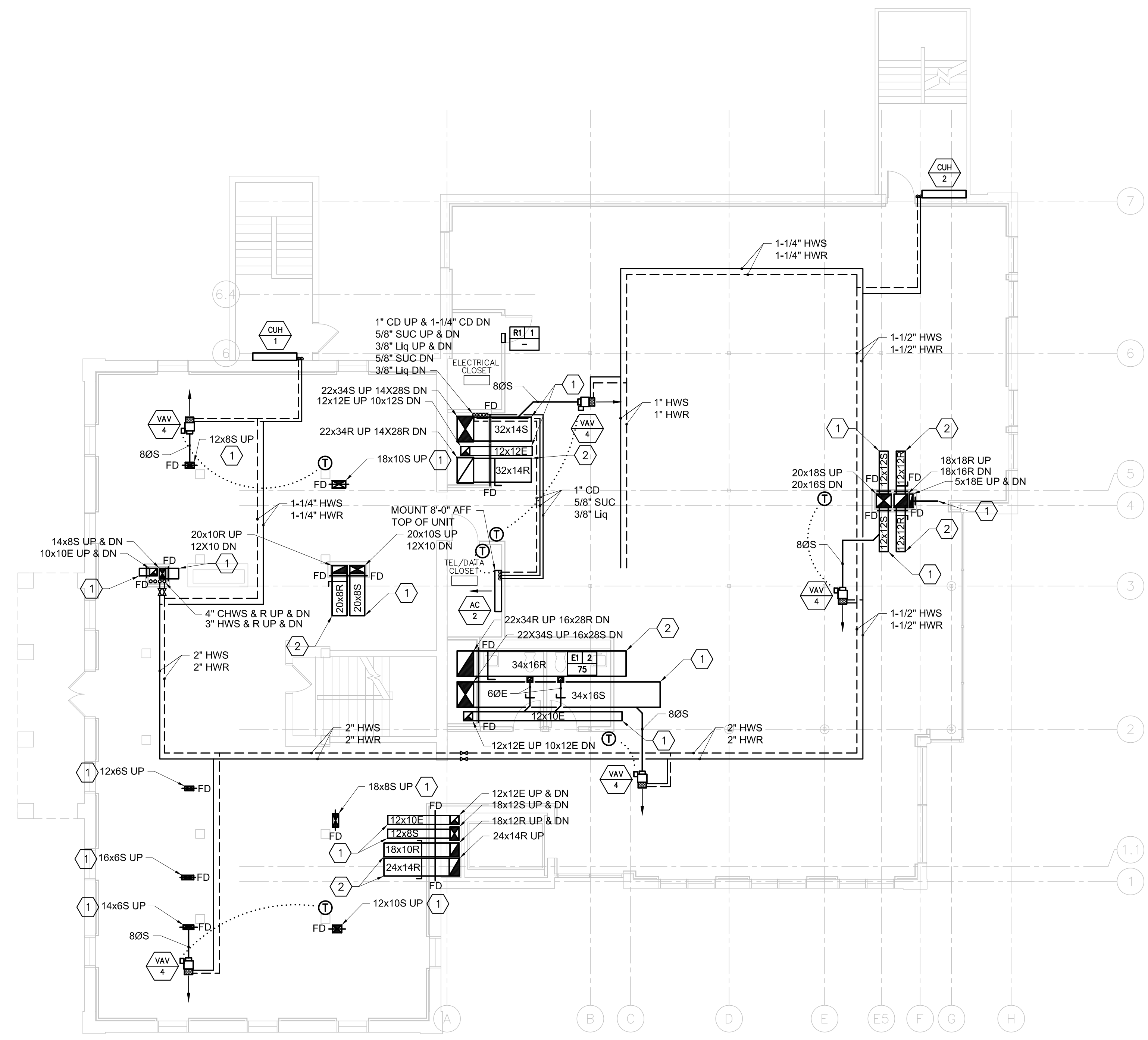
SHEET

MH-101

PERMIT SET ~ 26 APRIL 2011 ~ NOT FOR CONSTRUCTION



E7	DETAIL ~ VAV BOX PIPING
NONE	



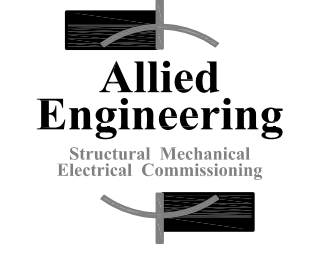
KEY NOTE:
 1 DUCTWORK CAP FOR FUTURE FIT-UP.
 2 RETURN DUCTWORK OPEN-ENDED WITH VOLUME DAMPER.



N:\Projects\2011\11022 ~ Martin Point Healthcare ~ Old Clinic Renovations\00 Drawing Files\11022M.dwg Apr 27, 2011 - 4:45pm



PDT ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarchs.com



Allied Engineering
 Structural Mechanical
 Electrical Commissioning
 160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022

CAD File: 11-022M

MARTIN'S POINT - BUILDING 4
 SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

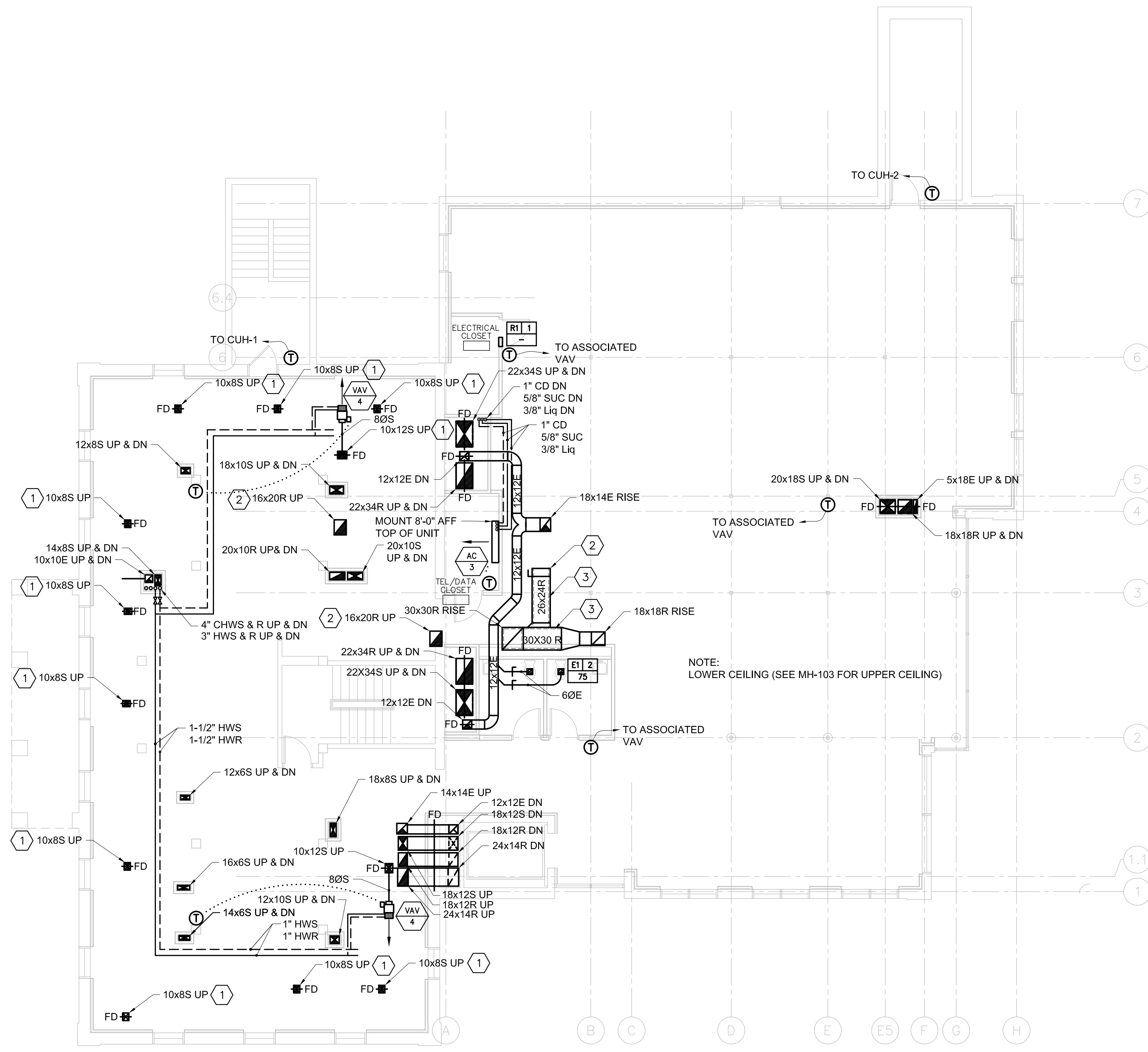
ISSUE

TITLE
 MECHANICAL
 SECOND FLOOR
 PLAN

SHEET

MH-102

PERMIT SET ~ 26 APRIL 2011 ~ NOT FOR CONSTRUCTION

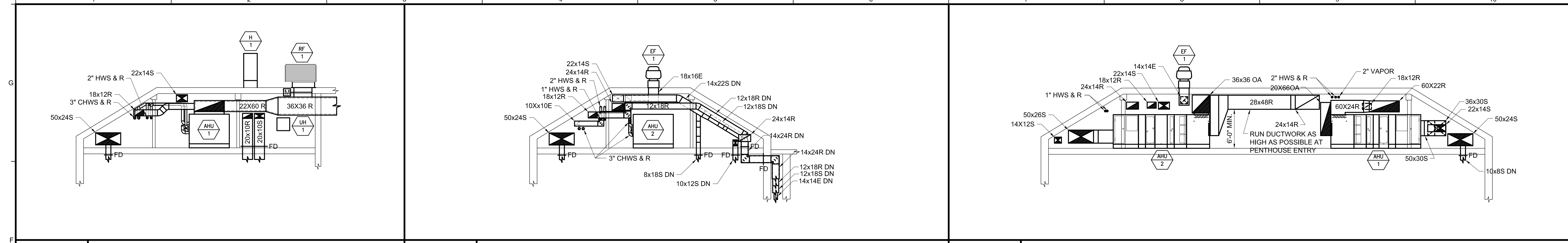


- KEY NOTE:**
- ① DUCTWORK CAP FOR FUTURE FIT-UP.
 - ② RETURN DUCTWORK OPEN-ENDED WITH VOLUME DAMPER.
 - ③ 1" ACOUSTICAL DUCT LINER.



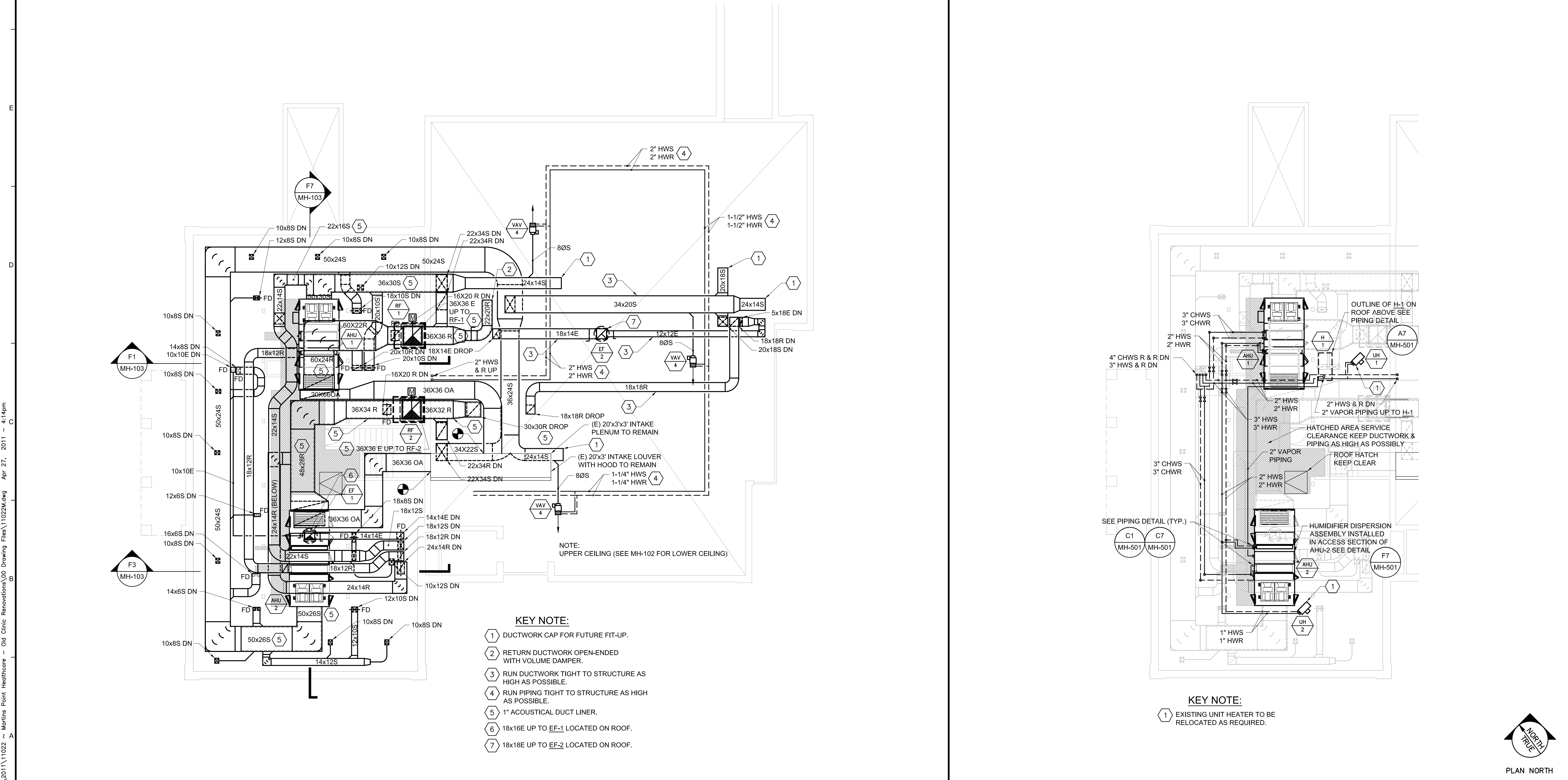
N:\Projects\2011\11022 ~ Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022M.dwg Apr 27, 2011 - 4:18pm

A1 MECHANICAL SECOND FLOOR PLAN
 1/8" = 1'-0"



F1 MECHANICAL PENTHOUSE SECTION
 F3 MECHANICAL PENTHOUSE SECTION
 F7 MECHANICAL PENTHOUSE SECTION

1/8" = 1'-0"



A1 MECHANICAL PENTHOUSE AND UPPER SECOND FLOOR PLAN
 A7 MECHANICAL PENTHOUSE PIPING PLAN

1/8" = 1'-0"

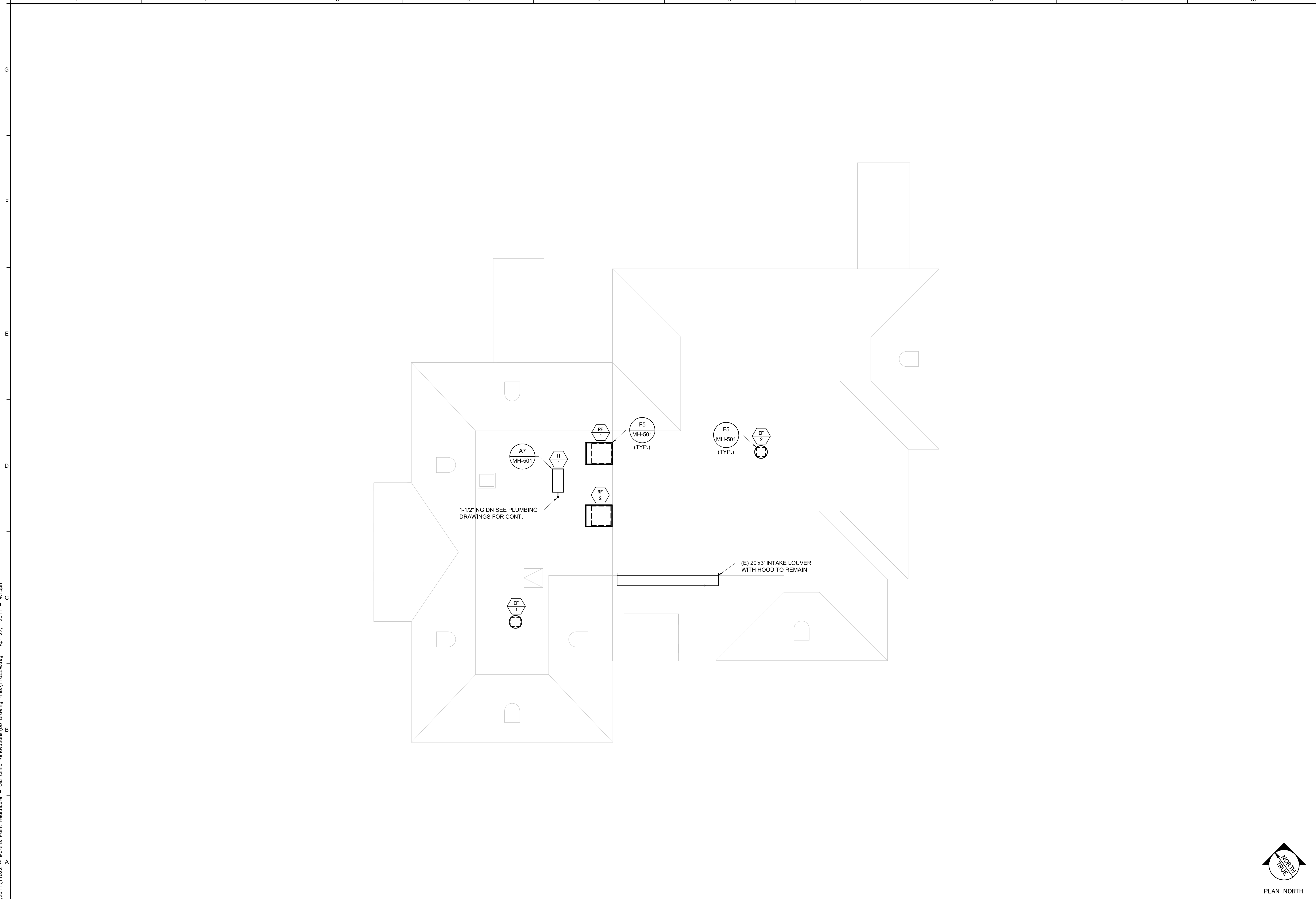
N:\Projects\2011\11022 ~ Martins Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022M.dwg Apr 27, 2011 - 4:14pm



- KEY NOTE:**
- 1 DUCTWORK CAP FOR FUTURE FIT-UP.
 - 2 RETURN DUCTWORK OPEN-ENDED WITH VOLUME DAMPER.
 - 3 RUN DUCTWORK TIGHT TO STRUCTURE AS HIGH AS POSSIBLE.
 - 4 RUN PIPING TIGHT TO STRUCTURE AS HIGH AS POSSIBLE.
 - 5 1" ACOUSTICAL DUCT LINER.
 - 6 18x16E UP TO EF-1 LOCATED ON ROOF.
 - 7 18x18E UP TO EF-2 LOCATED ON ROOF.

- KEY NOTE:**
- 1 EXISTING UNIT HEATER TO BE RELOCATED AS REQUIRED.

N:\Projects\2011\11022 - Martin Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022M.dwg Apr 27, 2011 - 4:15pm



1-1/2" NG DN SEE PLUMBING DRAWINGS FOR CONT.

(E) 20'x3' INTAKE LOUVER WITH HOOD TO REMAIN

PDT ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarchs.com

Allied Engineering
 Structural Mechanical
 Electrical Commissioning
 160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022
CAD File: 11-022M

MARTIN'S POINT - BUILDING 4
 SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

ISSUE

TITLE
MECHANICAL ROOF PLAN

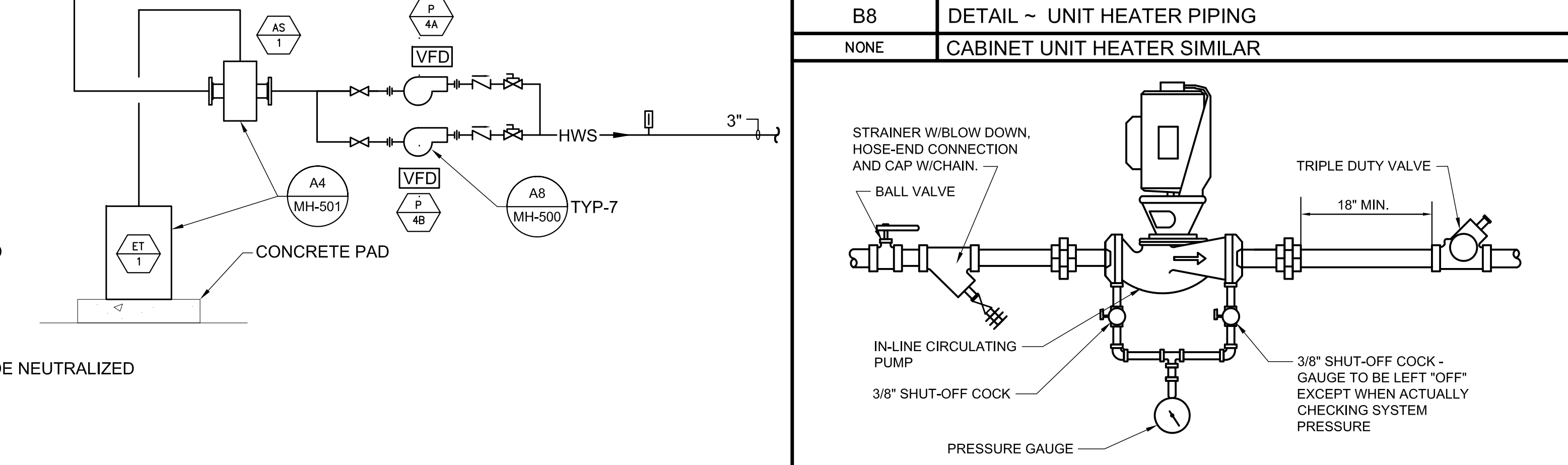
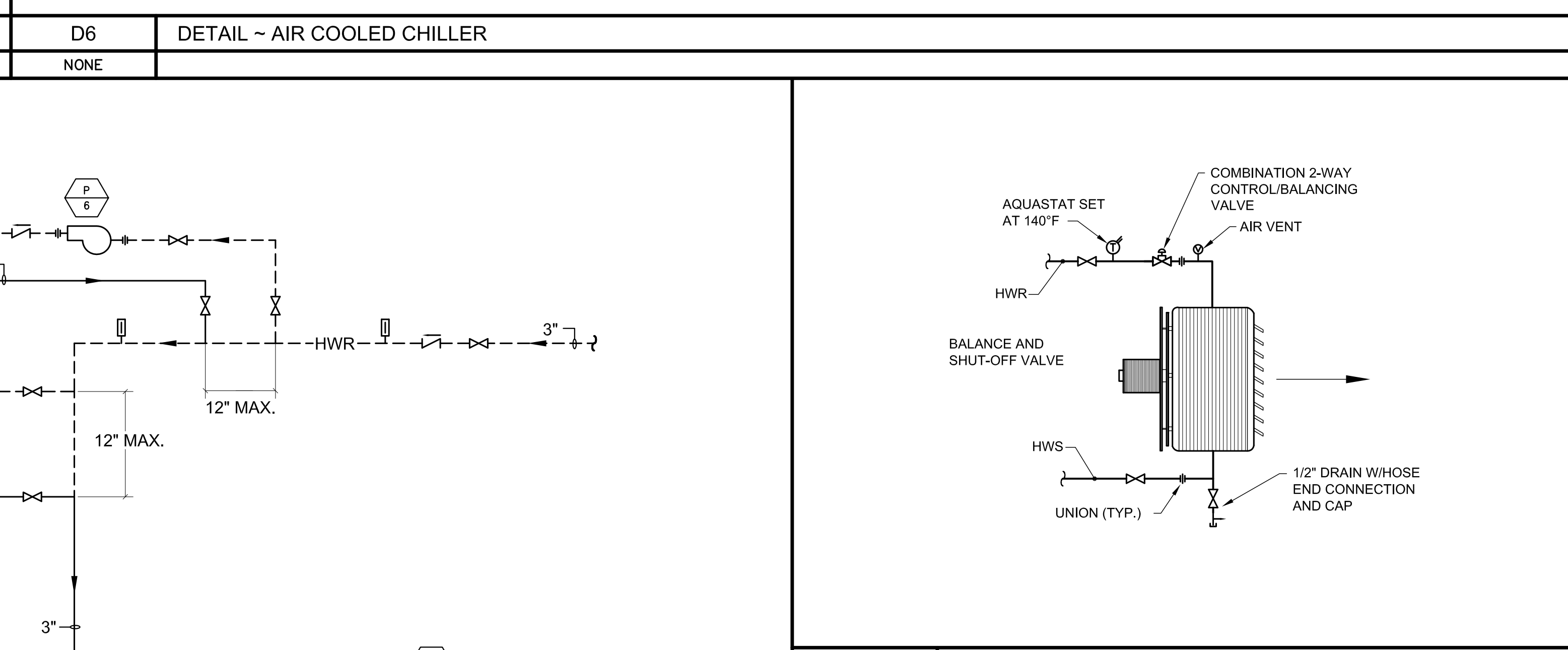
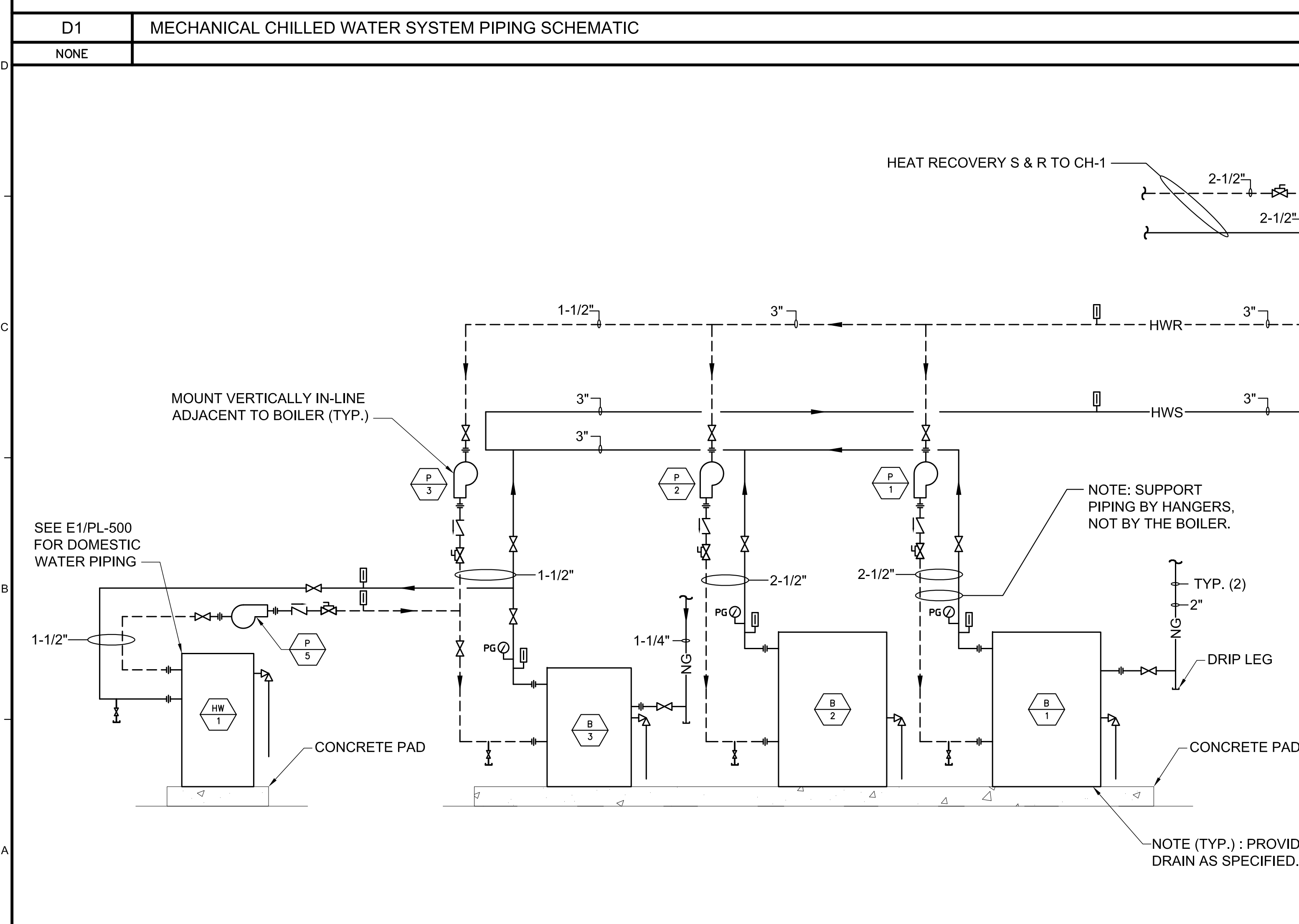
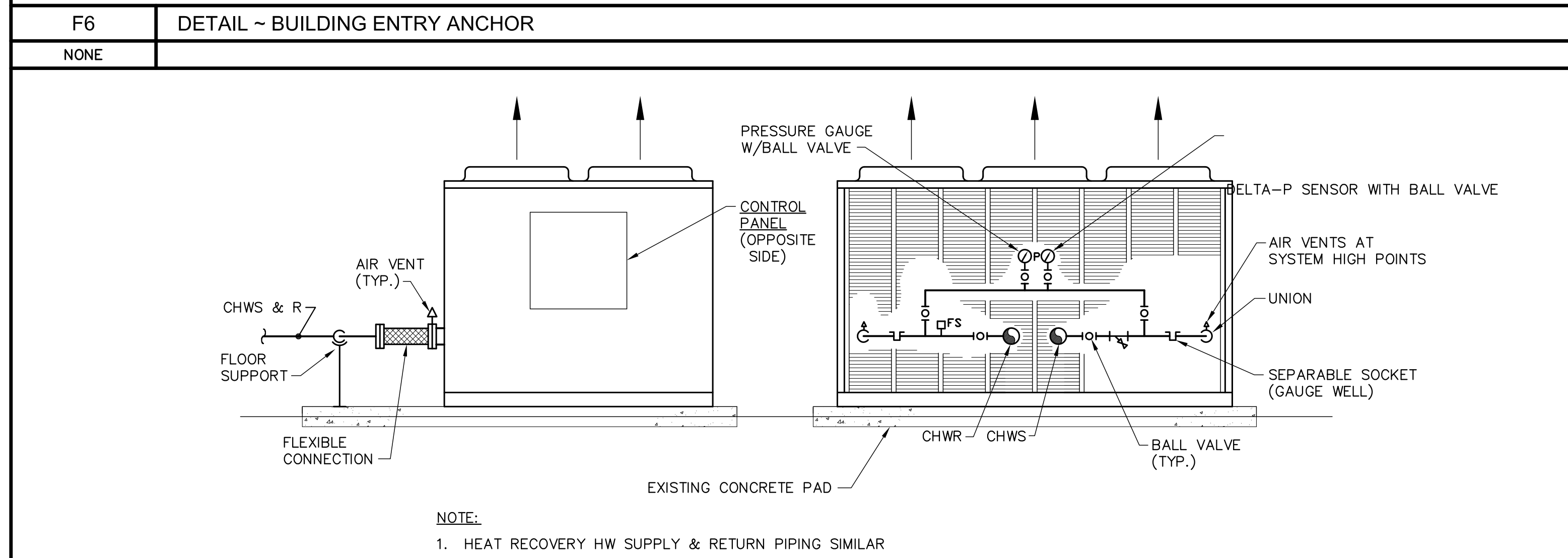
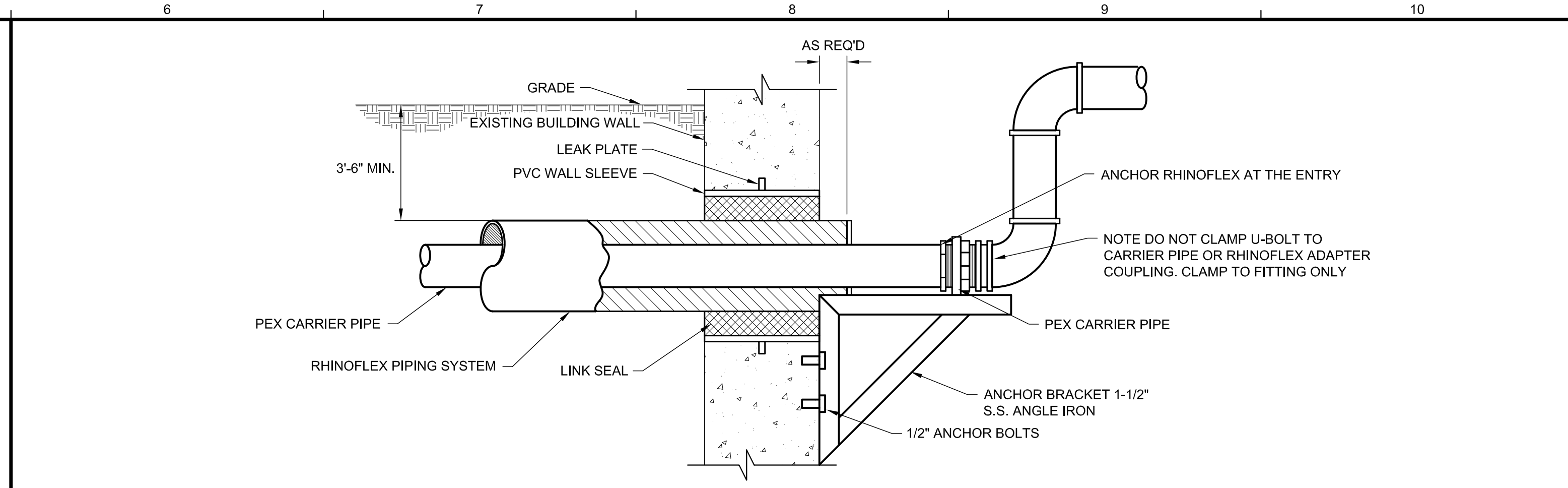
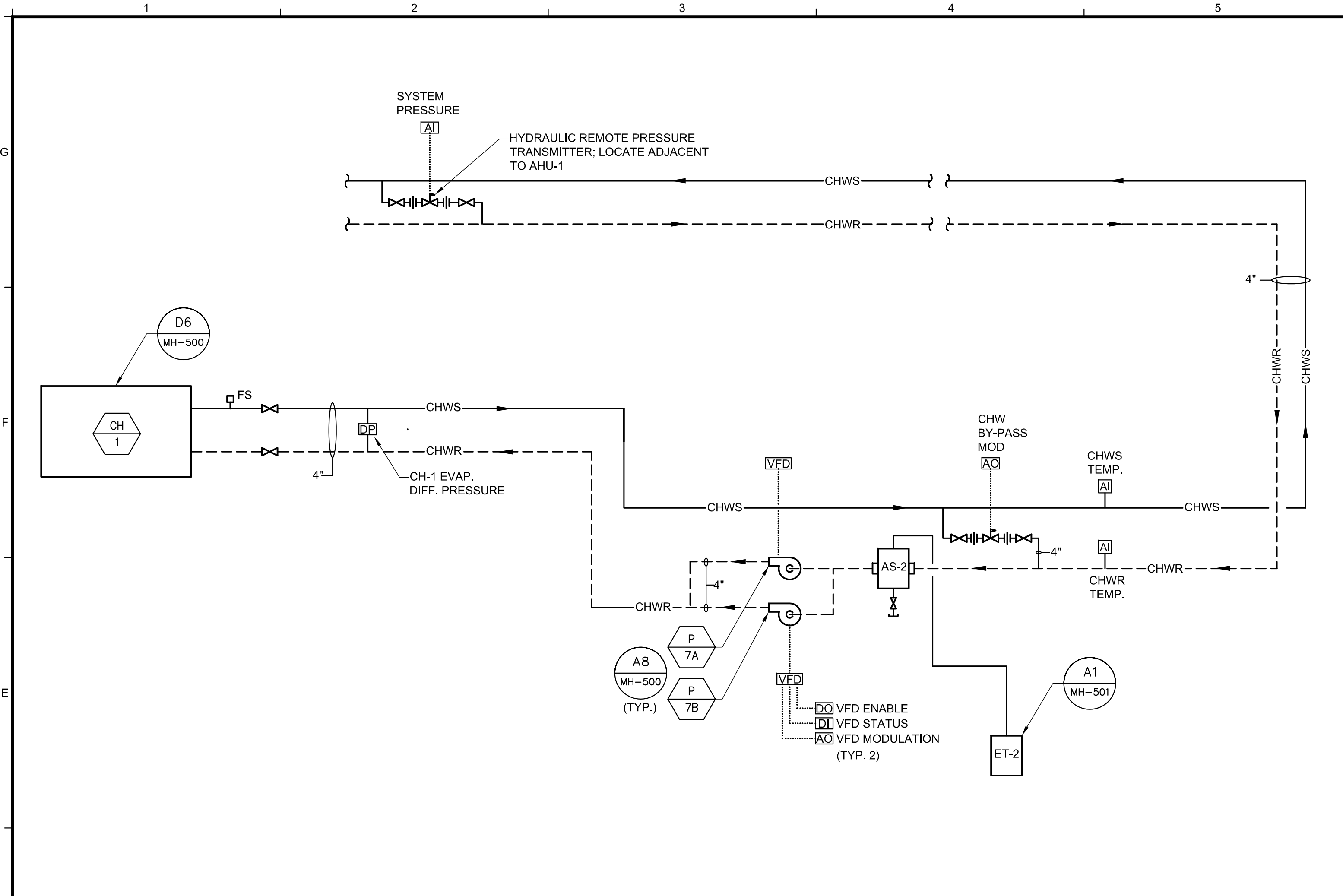
SHEET

MH-104



A1 MECHANICAL ROOF PLAN
1/8" = 1'-0"

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION



N:\Projects\2011\11022 - Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022M.dwg Apr 27, 2011 - 4:15pm

P D T
ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarchs.com

Allied Engineering
 Structural Mechanical
 Electrical Consulting

160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022
 CAD File: 11-022M

MARTIN'S POINT - BUILDING 4
 SHELL AND CORE RETROFIT
 PORTLAND, MAINE

STATE OF MAINE
 IAN A. MACDONALD
 No. 6990
 LICENSED PROFESSIONAL ENGINEER

PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

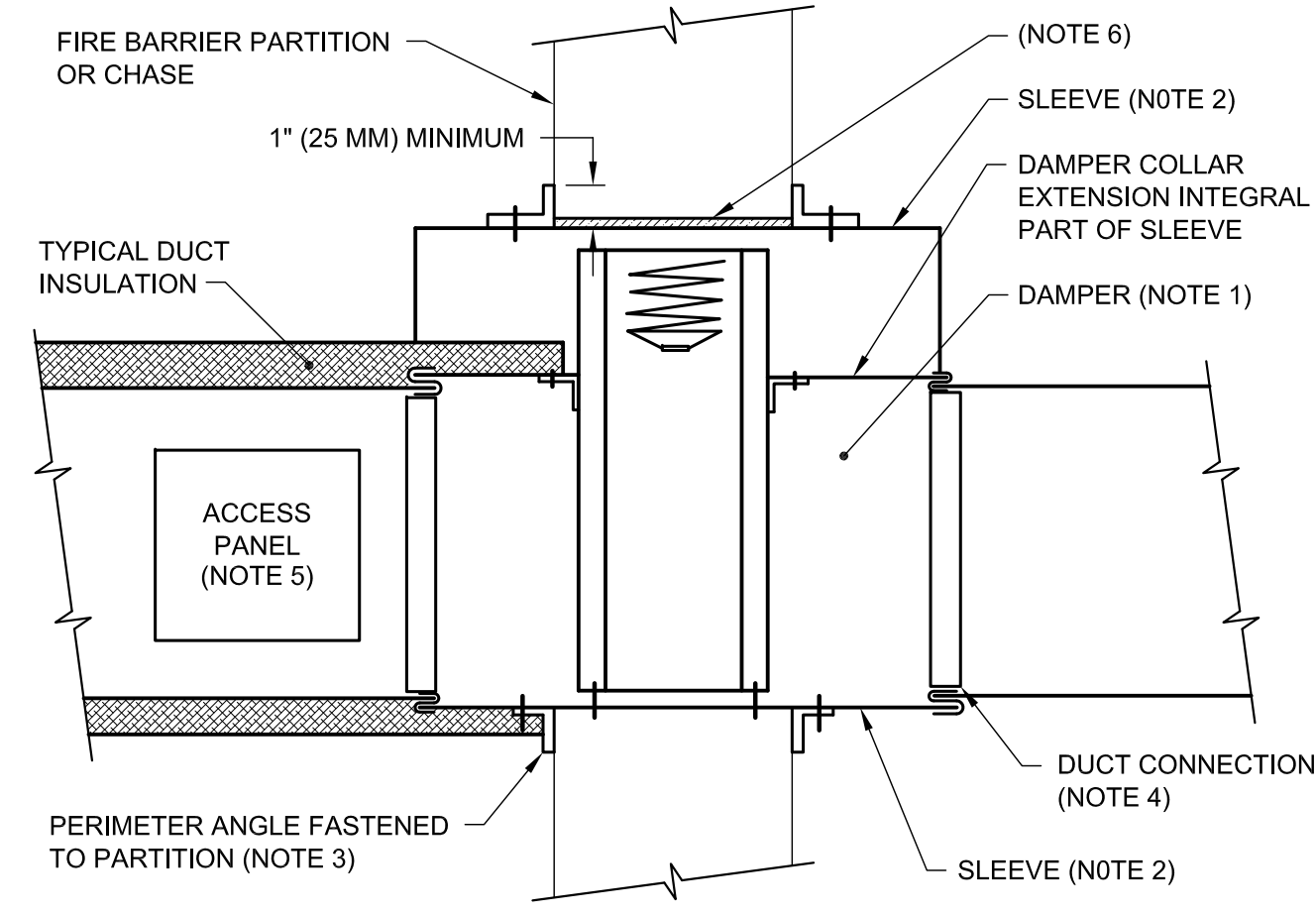
ISSUE

TITLE
 MECHANICAL
 DETAILS & NOTES

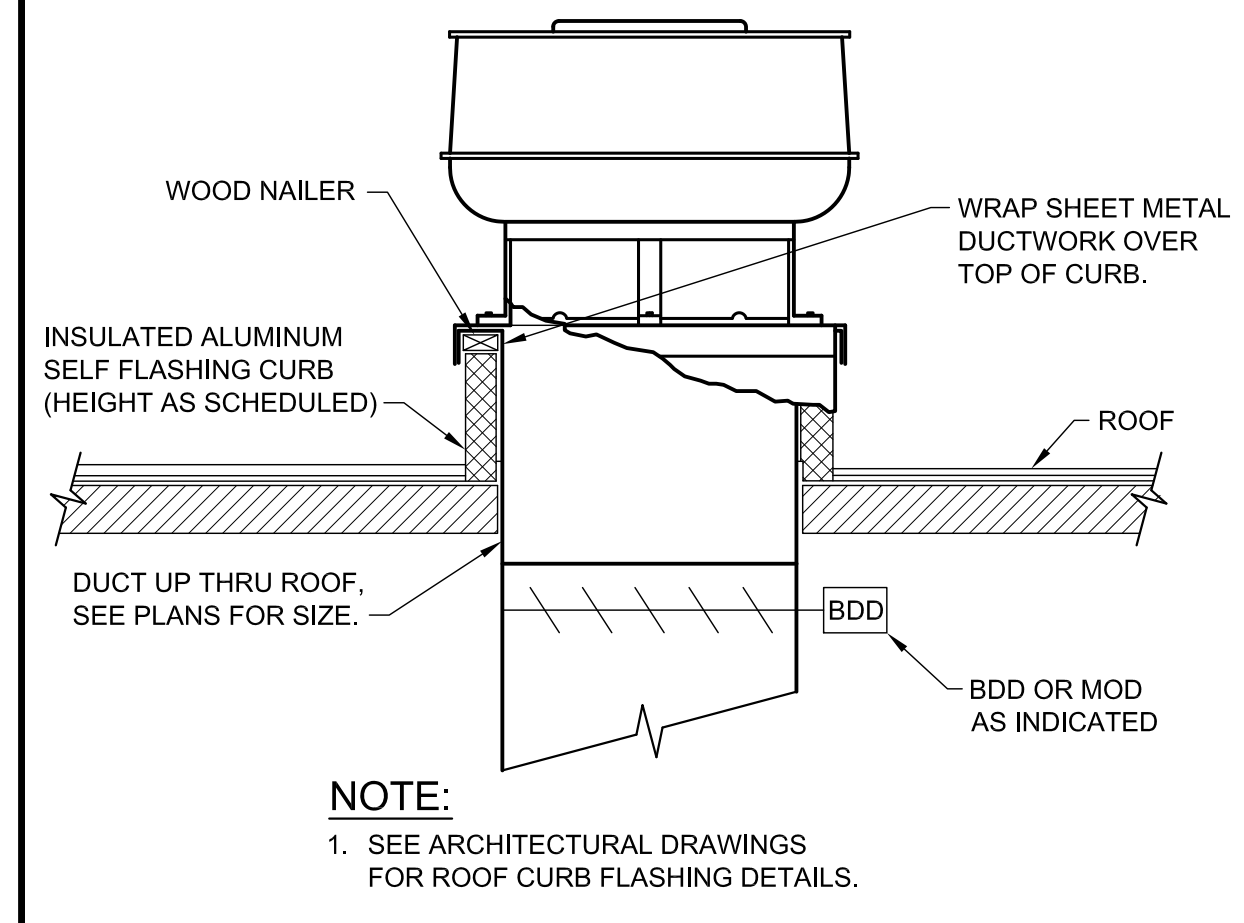
SHEET

MH-500

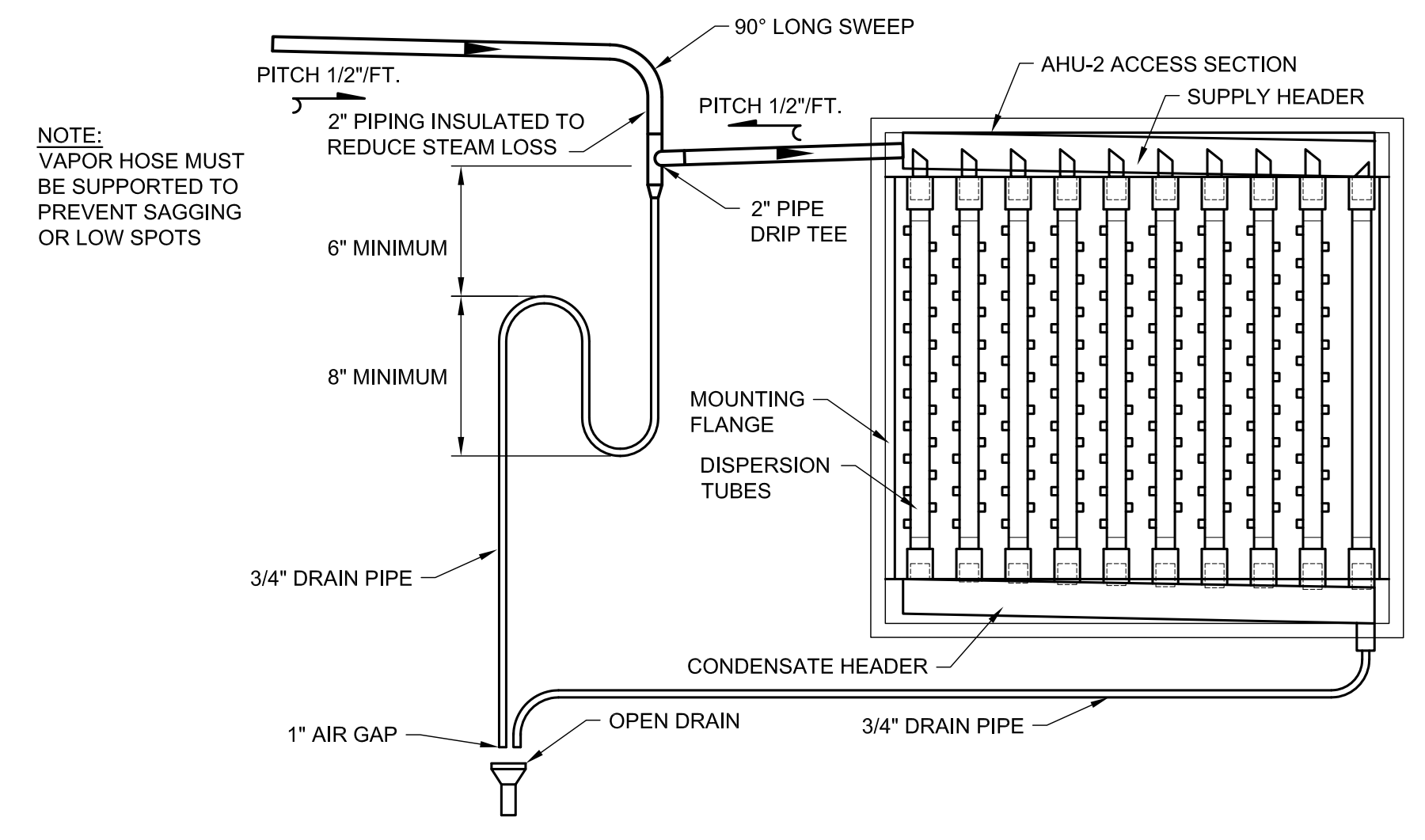
PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION



- NOTES:**
1. A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION IS SIMILAR. FOLLOW MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS AND GAGES FOR SLEEVE AND PERIMETER ANGLES. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR AND NOT OUTSIDE THE PENETRATION.
 2. GALVANIZED SLEEVE: GAGE NOT LESS THAN CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
 3. PERIMETER ANGLES: GALVANIZED STEEL, NOT LESS THAN 1-1/2" x 1-1/2", 14 GAGE, TO PROVIDE 1" MINIMUM OVERLAP OF OPENING ON ALL 4 SIDES.
 4. BREAKAWAY DUCT CONNECTION: CONTRACTOR'S OPTION OF TYPES SHOWN IN SMACNA LPDS, FIG. 2-13, SEAL JOINTS.
 5. ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK OR LINKS.
 6. FOR OUT OF FLOOR INSTALLATION PROVIDE FACTORY INSULATED SLEEVE PER FD MFR'S INSTALLATION DETAILS.



- NOTE:**
1. SEE ARCHITECTURAL DRAWINGS FOR ROOF CURB FLASHING DETAILS.

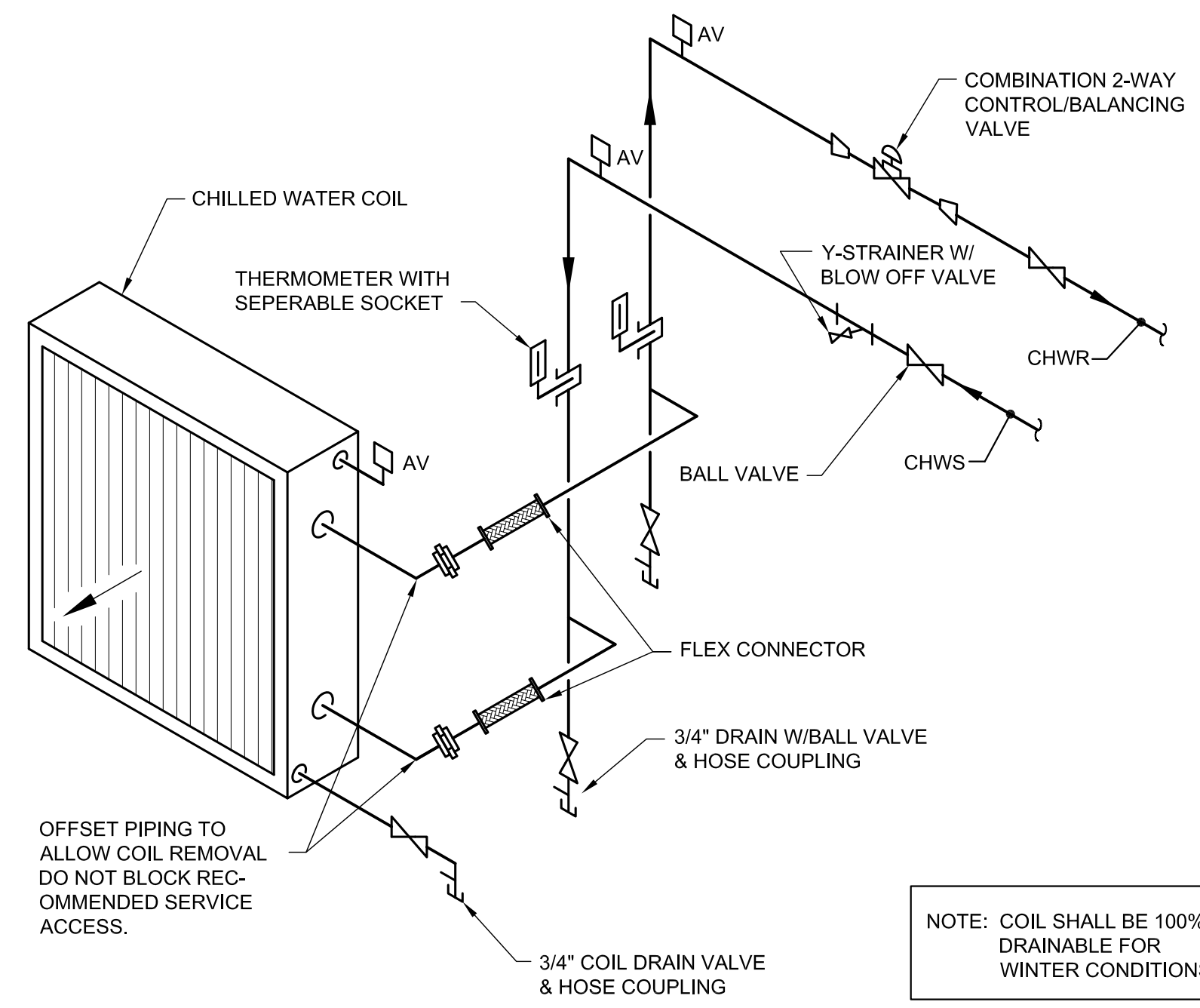


- NOTE:**
- VAPOR HOSE MUST BE SUPPORTED TO PREVENT SAGGING OR LOW SPOTS

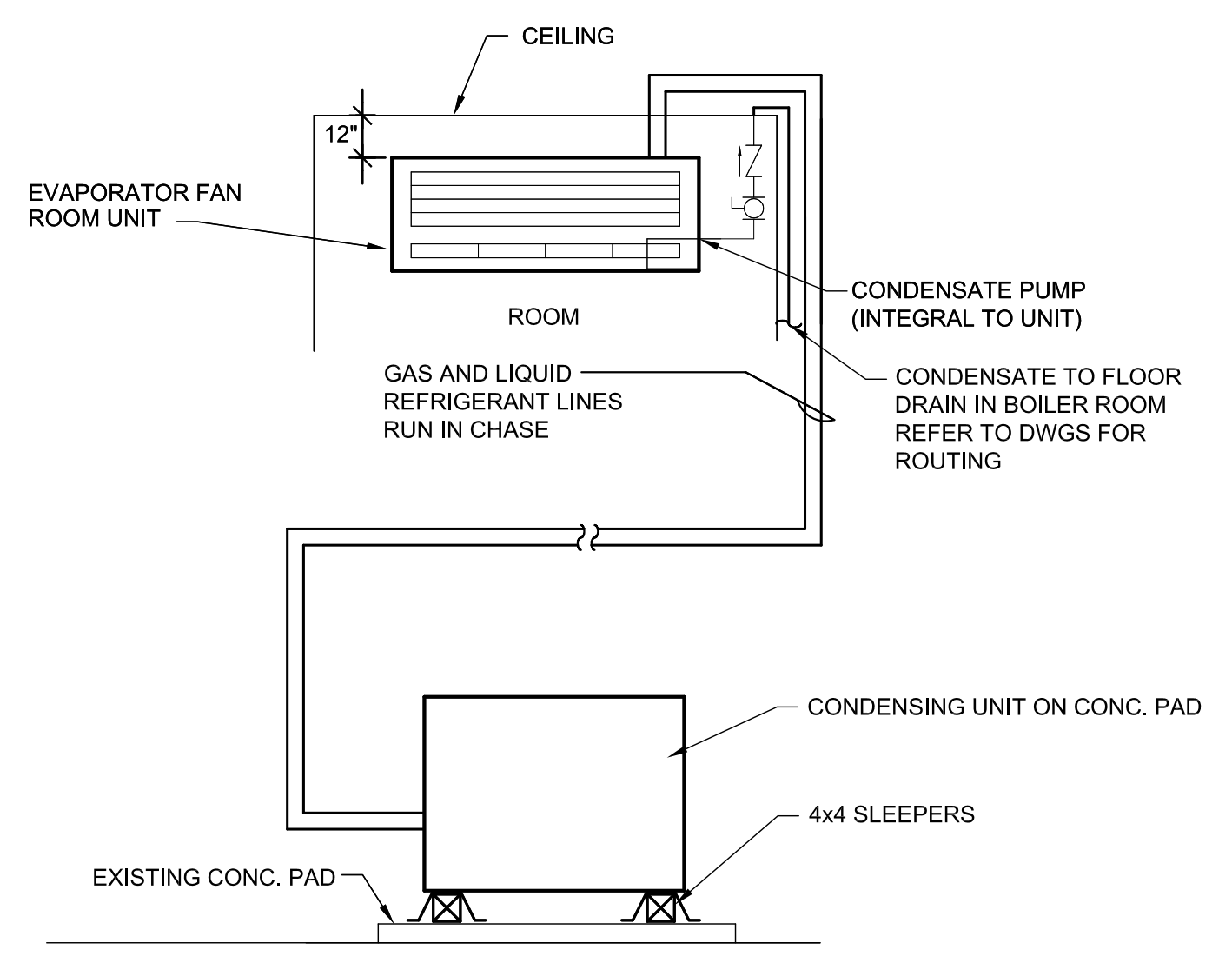
F1 SECTION THROUGH TYPICAL FIRE DAMPER ~ DETAIL

F5 DETAIL ~ ROOF TOP EXHAUST / RELIEF FAN

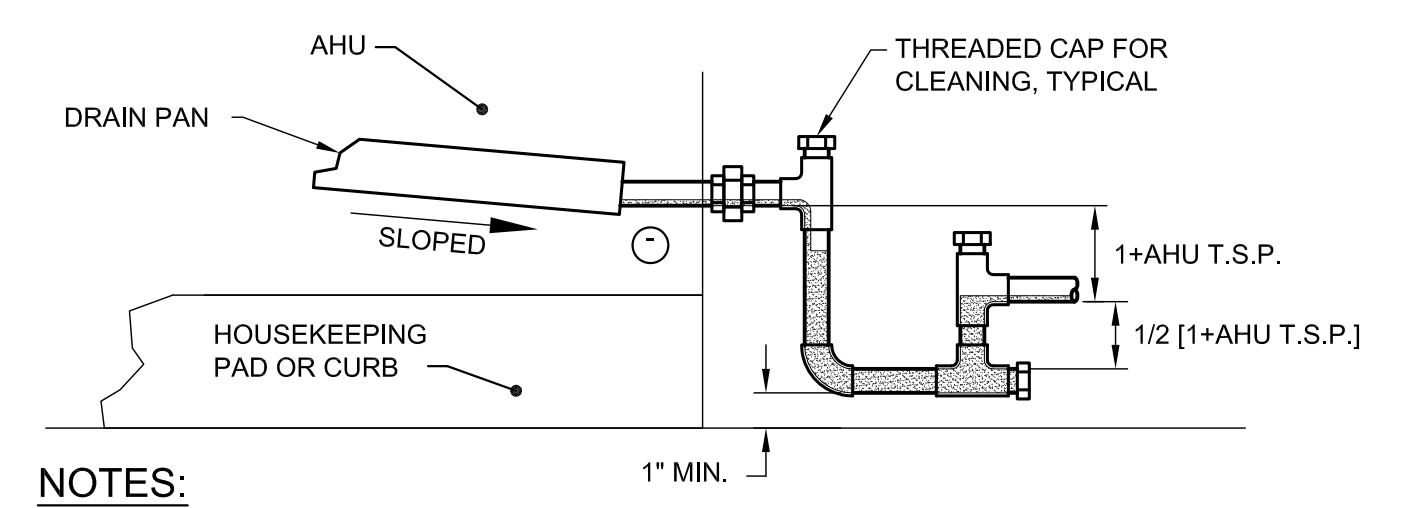
F7 DETAIL ~ HUMIDIFIER DISPERSION ASSEMBLY PIPING



C1 DETAIL ~ CHILLED WATER COIL PIPING
HOT WATER COIL SIMILAR

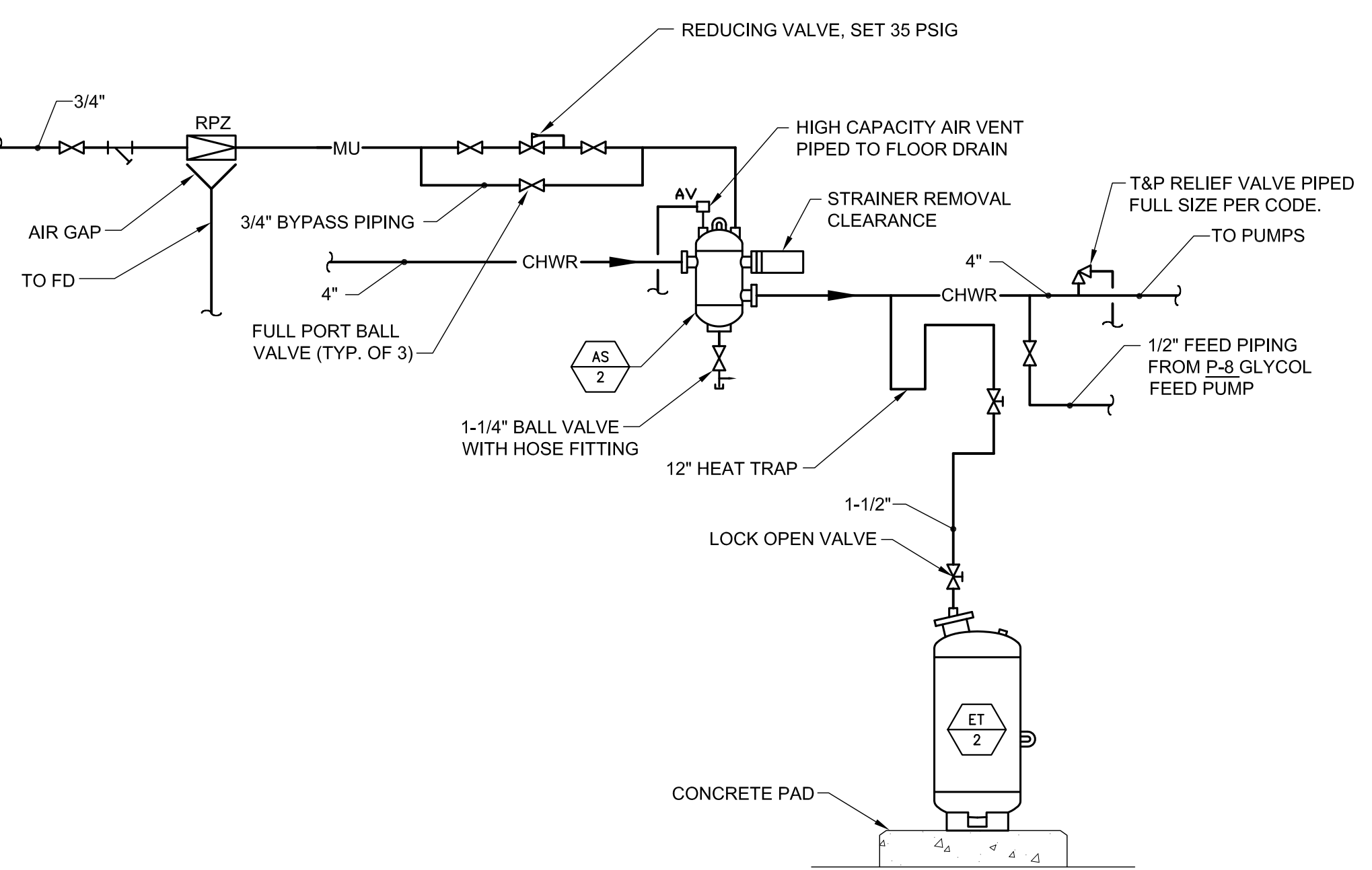


C4 DETAIL ~ DUCTLESS SPLIT SYSTEM DETAIL

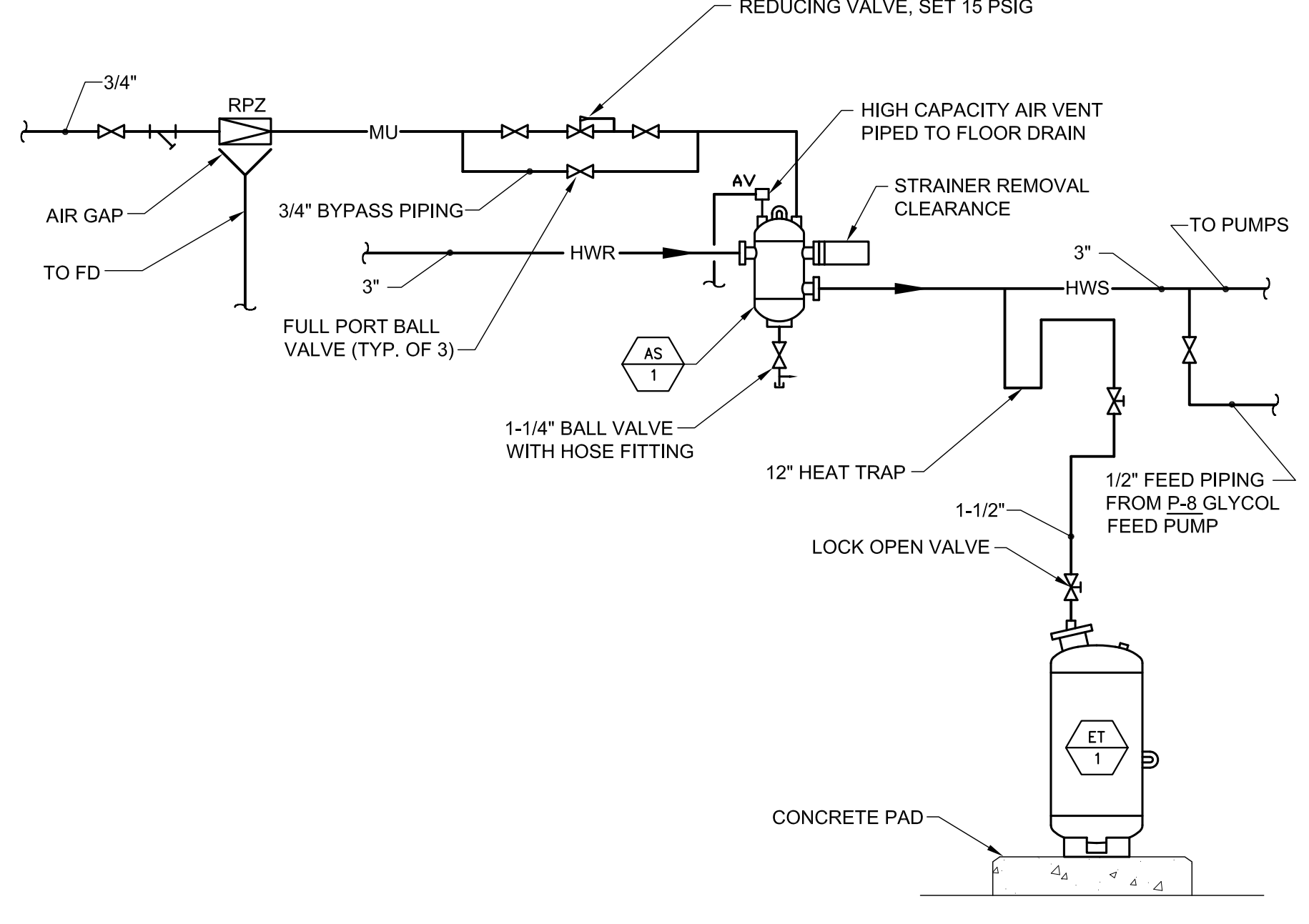


- NOTES:**
1. 1"Ø PIPE MINIMUM, OR SIZE PER DRAIN TAP IN AHU. INSULATE FOR CONDENSATE CONTROL AS REQUIRED BY SPECIFICATIONS DIV. 23.
 2. PAD HEIGHT DETERMINED BY MINIMUM SPACE REQUIRED TO INSTALL TRAP.
 3. SEE PLUMBING DRAWINGS FOR AHU CONDENSATE PIPE ROUTING AND TERMINATION FOR INDOOR AHU'S.

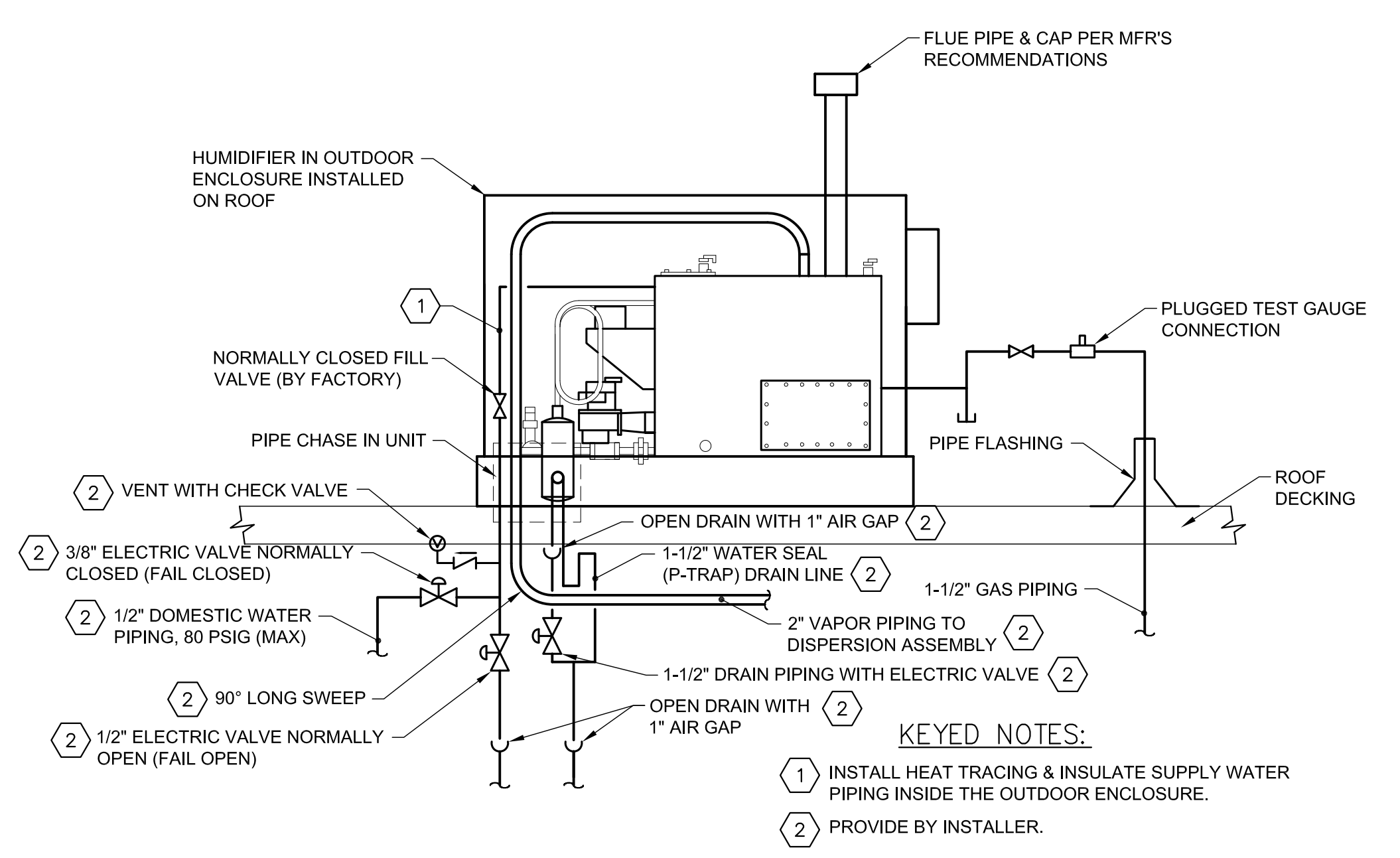
C7 DETAIL ~ CONDENSATE PIPING



A1 DETAIL ~ CHILLED WATER EXPANSION TANK AIR SEPARATOR



A4 DETAIL ~ HOT WATER EXPANSION TANK AIR SEPARATOR



A7 DETAIL ~ ROOF TOP HUMIDIFIER PIPING

- KEYED NOTES:**
1. INSTALL HEAT TRACING & INSULATE SUPPLY WATER PIPING INSIDE THE OUTDOOR ENCLOSURE.
 2. PROVIDE BY INSTALLER.

N:\Projects\2011\11022 ~ Martin's Point Healthcare ~ Old Clinic Renovations\00 Drawing Files\11022.dwg Apr 27, 2011 - 4:16pm

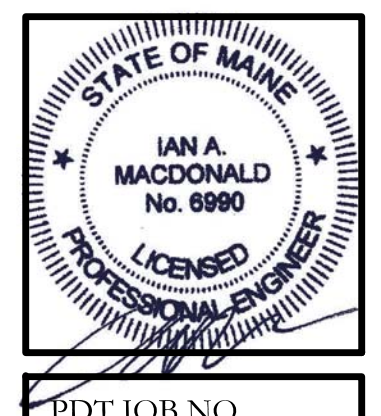
P D T ARCHITECTS
49 DARTMOUTH STREET
PORTLAND, MAINE 04101
207-775-1059
www.pdtarch.com

Allied Engineering
Structural Mechanical
Electrical Commissioning

160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

allied Project No: 11-022
CAD File: 11-022M

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
PORTLAND, MAINE



PDT JOB NO.
DRWN. CHK.
SCALE AS NOTED
ISSUE
TITLE MECHANICAL DETAILS & NOTES
SHEET MH-501

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION

<p>F1 CLOCKS AND SPEAKERS (P.A.)</p> <p>NO SCALE</p> <p>AFF ABOVE FINISHED FLOOR (E) EXISTING ITEM TO REMAIN</p> <p>AFG ABOVE FINISHED GRADE (R) REMOVE ITEM AND DISPOSE OF PROPERLY</p> <p>BAS BUILDING AUTOMATION SYSTEM (ER) RELOCATED ITEM AT NEW LOCATION</p> <p>BKBD BACKBOARD</p> <p>CATV CABLE TV (RL) REMOVE AND RELOCATE</p> <p>CB CIRCUIT BREAKER</p> <p>P/O PART OF</p> <p>MT MOUNT</p> <p>NEC NATIONAL ELECTRICAL CODE</p> <p>TBD TO BE DETERMINED</p> <p>TEL TELEPHONE</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>WP WEATHERPROOF</p> <p>WG WIREGUARD</p> <p>XFMR TRANSFORMER</p>		<p>F3 SINGLE RECEPTACLES</p> <p>NO SCALE</p> <p>⊕ DUPLEX RECEPTACLE ~ 20A, 125V, 2P, 3W, NEMA 5-20R</p> <p>⊕ DOUBLE DUPLEX RECEPTACLE</p> <p>⊕ DUPLEX RECEPTACLE CONNECTED TO XXX</p> <p>⊕ GFCI DUPLEX RECEPTACLE, MOUNT 44" AFF UNO</p> <p>⊕ GFCI DOUBLE DUPLEX RECEPTACLE, MOUNT 44" AFF UNO</p> <p>WP GFCI RECEPTACLE WITH WEATHERPROOF COVER</p> <p>WP GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF</p> <p>⊕ MULTI-OUTLET STRIP, PROVIDE OUTLETS 24" OC UNO, MOUNT 44" AFF UNO</p> <p>NOTES:</p> <p>1. MOUNT RECEPTACLES WITH CENTERLINE 18" AFF UNO</p> <p>2. MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24" AFG UNO</p>		<p>F5 LUMINAIRES</p> <p>NO SCALE</p> <p>HATCHING INDICATES FIXTURE WITH ONE LAMP ON EMERGENCY BATTERY/BALLAST</p> <p>EMER BATTERY UNIT WITH NO HEADS, MT 7'-6" AFF BP# INDICATES BATTERY UNIT DESIGNATION NUMBER INDICATES CIRCUITING</p> <p>EMER BATTERY UNIT WITH INTEGRAL HEADS, MT 7'-6" AFF BP# INDICATES BATTERY UNIT DESIGNATION NUMBER INDICATES CIRCUITING</p> <p>SINGLE REMOTE EMERGENCY LIGHT HEAD, MOUNT 7'-6" AFF, BP# INDICATES BATTERY UNIT CONNECTED TO</p> <p>DOUBLE REMOTE EMERGENCY LIGHT HEAD, MOUNT 7'-6" AFF, BP# INDICATES BATTERY UNIT CONNECTED TO</p> <p>DOUBLE REMOTE EMERGENCY LIGHT HEAD, CEILING MOUNTED, BP# INDICATES BATTERY UNIT CONNECTED TO</p> <p>EXIT SIGN, CEILING MOUNTED, SHADING INDICATES FACE(S), ARROWHEAD INDICATES CHEVRON(S) REQUIRED, BP# INDICATES BATTERY UNIT CONNECTED TO</p> <p>EXIT SIGN, SELF-POWERED, WALL MOUNTED, SHADING INDICATES FACE(S), MOUNT AT 7'-6" AFF OR OVER DOOR, BP# INDICATES BATTERY UNIT CONNECTED TO</p> <p>EXIT SIGN, SELF-POWERED, CEILING MOUNTED, SHADING INDICATES FACE(S), ARROWHEAD INDICATES CHEVRON(S) REQUIRED, NUMBER INDICATES CIRCUIT NUMBER, TYPICAL</p> <p>EXIT SIGN, SELF-POWERED, WALL MOUNTED, SHADING INDICATES FACE(S), MOUNT AT 7'-6" AFF OR OVER DOOR, NUMBER INDICATES CIRCUIT NUMBER, TYPICAL</p>		<p>F7 FIRE ALARM SYSTEM</p> <p>NO SCALE</p> <p>TELEPHONE WALL OUTLET, 44" AFF UNO</p> <p>TELEPHONE OUTLET FOR ELEVATOR CONNECTION</p> <p>TELEPHONE OUTLET, 18" AFF UNO</p> <p>TEL/DATA OUTLET, 18" AFF UNO</p> <p>DATA OUTLET, 18" AFF UNO</p> <p>WIRELESS ACCESS POINT CEILING MOUNTED</p> <p>WIRELESS ACCESS POINT WALL MOUNTED</p> <p>CONDUIT SLEEVES</p> <p>NOTE</p> <p>SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN</p> <p>1. PROVIDE BOXES, RACKS, ETC. WHERE INDICATED OR NEEDED</p> <p>2. IN AREAS WITHOUT CEILINGS, CONDUIT PROVIDED TO NEAREST ACCESSIBLE CORRIDOR CEILING ~ 1" CONDUIT TO SINGLE GANG BOXES, 1 1/4" CONDUIT TO DOUBLE GANG BOXES.</p> <p>3. PROVIDE BLANK INSERTS FOR ALL OUTLET OPENINGS IN PLATES THAT ARE UNUSED</p>	
<p>D1 ABBREVIATIONS</p> <p>-</p>		<p>D3 RECEPTACLES</p> <p>NO SCALE</p> <p>F⊕ DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX</p> <p>F⊕ DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX</p> <p>F⊕ JUNCTION BOX, MOUNT IN FLUSH FLOOR BOX</p> <p>F⊕ EMPTY FLUSH FLOOR BOX</p> <p>F⊕ DUPLEX RECEPTACLE, PEDESTAL MOUNTED</p> <p>F⊕ SINGLE RECEPTACLE, PEDESTAL MOUNTED</p> <p>F⊕ JUNCTION BOX, PEDESTAL MOUNTED</p> <p>F⊕ DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING</p> <p>F⊕ DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING</p> <p>F⊕ DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING</p> <p>F⊕ DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING</p> <p>F⊕ DATA OUTLET, FLUSH MOUNTED IN CEILING, SEE SCHEDULE FOR TYPE</p> <p>F⊕ JUNCTION BOX, FLUSH MOUNTED IN CEILING</p> <p>F⊕ OVERHEAD RECEPTACLE DROP, DUPLEX</p> <p>F⊕ OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX</p> <p>F⊕ OVERHEAD RECEPTACLE DROP, GFCI</p>		<p>D5 EMERGENCY LUMINAIRES</p> <p>NO SCALE</p> <p>~ CENTERLINE 48" AFF, UNO ~</p> <p>⊕ LIGHT SWITCH, 20A, 125/277V, LETTER INDICATES SWITCHING</p> <p>⊕ THREE-WAY LIGHT SWITCH</p> <p>⊕ FOUR-WAY LIGHT SWITCH</p> <p>⊕ TWO-POLE SWITCH</p> <p>⊕ KEY OPERATED SWITCH</p> <p>⊕ MOTOR RATED SWITCH</p> <p>⊕ SINGLE POLE SWITCH WITH RED PILOT LIGHT ~ RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED</p> <p>⊕ MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING</p> <p>⊕ OCCUPANCY SENSOR SWITCH, WALL MOUNTED</p> <p>⊕ 2-BUTTON OCCUPANCY SENSOR SWITCH</p> <p>⊕ OCCUPANCY SENSOR, CEILING MOUNTED</p> <p>⊕ OCCUPANCY SENSOR, WALL MOUNTED</p> <p>⊕ INCANDESCENT DIMMER SWITCH</p> <p>⊕ FLUORESCENT DIMMER SWITCH</p> <p>⊕ HANDICAP SWITCHES FOR HOOD LIGHT AND FAN</p> <p>⊕ TIMER SWITCH, 60 MINUTES</p> <p>⊕ LIGHTING TIME CLOCK</p> <p>⊕ LIGHTING CONTACTOR</p> <p>⊕ LIGHTING CONTROL PANEL</p> <p>⊕ PHOTOCELL</p>		<p>D7 FIRE ALARM SYSTEM</p> <p>NO SCALE</p> <p>TELEPHONE WALL OUTLET, 44" AFF UNO</p> <p>TELEPHONE OUTLET FOR ELEVATOR CONNECTION</p> <p>TELEPHONE OUTLET, 18" AFF UNO</p> <p>TEL/DATA OUTLET, 18" AFF UNO</p> <p>DATA OUTLET, 18" AFF UNO</p> <p>WIRELESS ACCESS POINT CEILING MOUNTED</p> <p>WIRELESS ACCESS POINT WALL MOUNTED</p> <p>CONDUIT SLEEVES</p> <p>NOTE</p> <p>SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN</p> <p>1. PROVIDE BOXES, RACKS, ETC. WHERE INDICATED OR NEEDED</p> <p>2. IN AREAS WITHOUT CEILINGS, CONDUIT PROVIDED TO NEAREST ACCESSIBLE CORRIDOR CEILING ~ 1" CONDUIT TO SINGLE GANG BOXES, 1 1/4" CONDUIT TO DOUBLE GANG BOXES.</p> <p>3. PROVIDE BLANK INSERTS FOR ALL OUTLET OPENINGS IN PLATES THAT ARE UNUSED</p>	
<p>A1 SECURITY SYSTEM</p> <p>NO SCALE</p> <p>SEC SECURITY PANEL, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF</p> <p>ANN ANNUNCIATOR, MOUNT WITH TOP OF PANEL NOT MORE THAN 72" AFF</p> <p>KP KEYPAD, MOUNT 48" AFF</p> <p>MSP MOTION SENSOR, PASSIVE INFRARED (PIR), WALL MOUNTED 96" AFF</p> <p>MSP MOTION SENSOR, PASSIVE INFRARED (PIR), CEILING MOUNTED</p> <p>MSM MOTION SENSOR, MICROWAVE, WALL MOUNTED</p> <p>MSM MOTION SENSOR, MICROWAVE, CEILING MOUNTED</p> <p>MS MOTION SENSOR, DUAL TECHNOLOGY, PIR/MICROWAVE, WALL MOUNTED</p> <p>MS MOTION SENSOR, DUAL TECHNOLOGY, PIR/MICROWAVE, CEILING MOUNTED</p> <p>CA CAMERA</p> <p>CA CARD ACCESS</p> <p>DC DOOR CONTACT</p> <p>DL MAGNETIC DOOR LOCK</p> <p>DR DOOR RELEASE BUTTON</p> <p>DS DOOR SWITCH</p> <p>CB BELL</p> <p>CC CHIME</p> <p>SS STROBE</p> <p>SH HORN</p> <p>T TRANSFORMER</p> <p>S JUNCTION BOX WITH POWER FOR FUTURE CARD ACCESS AND SECURITY</p>		<p>A3 FLOOR AND CEILING DEVICES</p> <p>NO SCALE</p> <p>F⊕ DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX</p> <p>F⊕ DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX</p> <p>F⊕ JUNCTION BOX, MOUNT IN FLUSH FLOOR BOX</p> <p>F⊕ EMPTY FLUSH FLOOR BOX</p> <p>F⊕ DUPLEX RECEPTACLE, PEDESTAL MOUNTED</p> <p>F⊕ SINGLE RECEPTACLE, PEDESTAL MOUNTED</p> <p>F⊕ JUNCTION BOX, PEDESTAL MOUNTED</p> <p>F⊕ DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING</p> <p>F⊕ DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING</p> <p>F⊕ DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING</p> <p>F⊕ DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING</p> <p>F⊕ DATA OUTLET, FLUSH MOUNTED IN CEILING, SEE SCHEDULE FOR TYPE</p> <p>F⊕ JUNCTION BOX, FLUSH MOUNTED IN CEILING</p> <p>F⊕ OVERHEAD RECEPTACLE DROP, DUPLEX</p> <p>F⊕ OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX</p> <p>F⊕ OVERHEAD RECEPTACLE DROP, GFCI</p>		<p>A5 LIGHT SWITCHES</p> <p>NO SCALE</p> <p>~ CENTERLINE 48" AFF, UNO ~</p> <p>⊕ LIGHT SWITCH, 20A, 125/277V, LETTER INDICATES SWITCHING</p> <p>⊕ THREE-WAY LIGHT SWITCH</p> <p>⊕ FOUR-WAY LIGHT SWITCH</p> <p>⊕ TWO-POLE SWITCH</p> <p>⊕ KEY OPERATED SWITCH</p> <p>⊕ MOTOR RATED SWITCH</p> <p>⊕ SINGLE POLE SWITCH WITH RED PILOT LIGHT ~ RED LIGHT SHALL GLOW WHEN CIRCUIT IS ENERGIZED</p> <p>⊕ MULTI-GANGED SWITCHES, GANG UNDER ONE PLATE, LETTER INDICATES SWITCHING</p> <p>⊕ OCCUPANCY SENSOR SWITCH, WALL MOUNTED</p> <p>⊕ 2-BUTTON OCCUPANCY SENSOR SWITCH</p> <p>⊕ OCCUPANCY SENSOR, CEILING MOUNTED</p> <p>⊕ OCCUPANCY SENSOR, WALL MOUNTED</p> <p>⊕ INCANDESCENT DIMMER SWITCH</p> <p>⊕ FLUORESCENT DIMMER SWITCH</p> <p>⊕ HANDICAP SWITCHES FOR HOOD LIGHT AND FAN</p> <p>⊕ TIMER SWITCH, 60 MINUTES</p> <p>⊕ LIGHTING TIME CLOCK</p> <p>⊕ LIGHTING CONTACTOR</p> <p>⊕ LIGHTING CONTROL PANEL</p> <p>⊕ PHOTOCELL</p>		<p>A7 TECHNOLOGY</p> <p>NO SCALE</p> <p>TELEPHONE WALL OUTLET, 44" AFF UNO</p> <p>TELEPHONE OUTLET FOR ELEVATOR CONNECTION</p> <p>TELEPHONE OUTLET, 18" AFF UNO</p> <p>TEL/DATA OUTLET, 18" AFF UNO</p> <p>DATA OUTLET, 18" AFF UNO</p> <p>WIRELESS ACCESS POINT CEILING MOUNTED</p> <p>WIRELESS ACCESS POINT WALL MOUNTED</p> <p>CONDUIT SLEEVES</p> <p>NOTE</p> <p>SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN</p> <p>1. PROVIDE BOXES, RACKS, ETC. WHERE INDICATED OR NEEDED</p> <p>2. IN AREAS WITHOUT CEILINGS, CONDUIT PROVIDED TO NEAREST ACCESSIBLE CORRIDOR CEILING ~ 1" CONDUIT TO SINGLE GANG BOXES, 1 1/4" CONDUIT TO DOUBLE GANG BOXES.</p> <p>3. PROVIDE BLANK INSERTS FOR ALL OUTLET OPENINGS IN PLATES THAT ARE UNUSED</p>	
<p>D9 POWER DISTRIBUTION</p> <p>NO SCALE</p> <p>BRANCH CIRCUIT WIRING NOT SHOWN. CONNECT ITEMS TO CIRCUITS INDICATED.</p> <p>DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE THE WORK OF DIVISION 26 AND OTHER DIVISIONS. THESE DRAWINGS ARE NOT INTENDED TO INDICATE ALL ITEMS TO BE REMOVED.</p> <p>DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR EXACT DIMENSIONS.</p> <p>THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS, IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET PROJECT REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.</p> <p>ALL ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.</p> <p>COORDINATE ALL WORK WITH OTHER DIVISIONS AND THE OWNER.</p> <p>VERIFY EXACT POWER REQUIREMENTS OF EQUIPMENT PRIOR TO ROUGH IN.</p> <p>POWER WIRING FOR EQUIPMENT & CONTROL SHALL BE PERFORMED BY DIVISION 26. ALL CONTROL WIRING OPERATING AT LESS THAN 120 VOLTS FOR MECHANICAL EQUIPMENT SHALL BE BY DIVISION 23.</p> <p>NO WIRING THAT BECOMES UNUSED AS PART OF THIS PROJECT SHALL BE ABANDONED IN PLACE.</p> <p>REMOVE ALL EXISTING ELECTRICAL ITEMS AND WIRING FROM WALLS AND CEILINGS OR PORTIONS THEREOF THAT WILL BE DEMOLISHED BY OTHER DIVISIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.</p> <p>PROVIDE PULL STRINGS FOR ALL EMPTY CONDUITS.</p>		<p>A9 GENERAL NOTES</p> <p>NO SCALE</p>					

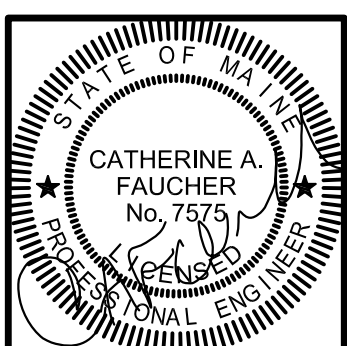
N:\Projects\2011\11022 - Martin Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022E.dwg Apr 27, 2011 - 4:51pm



Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

allied Project No: 11-022
CAD File: 11022E

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

ISSUE

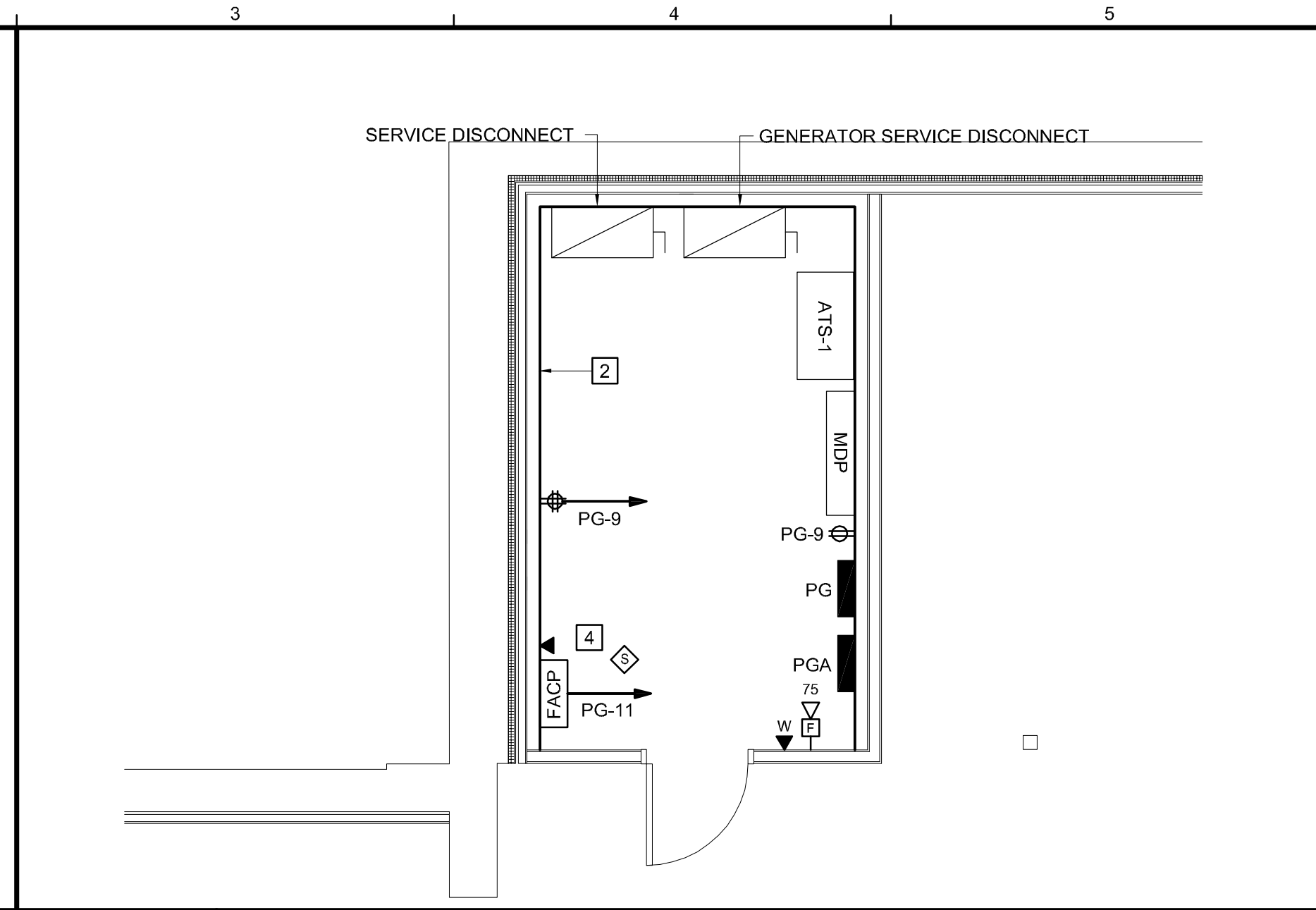
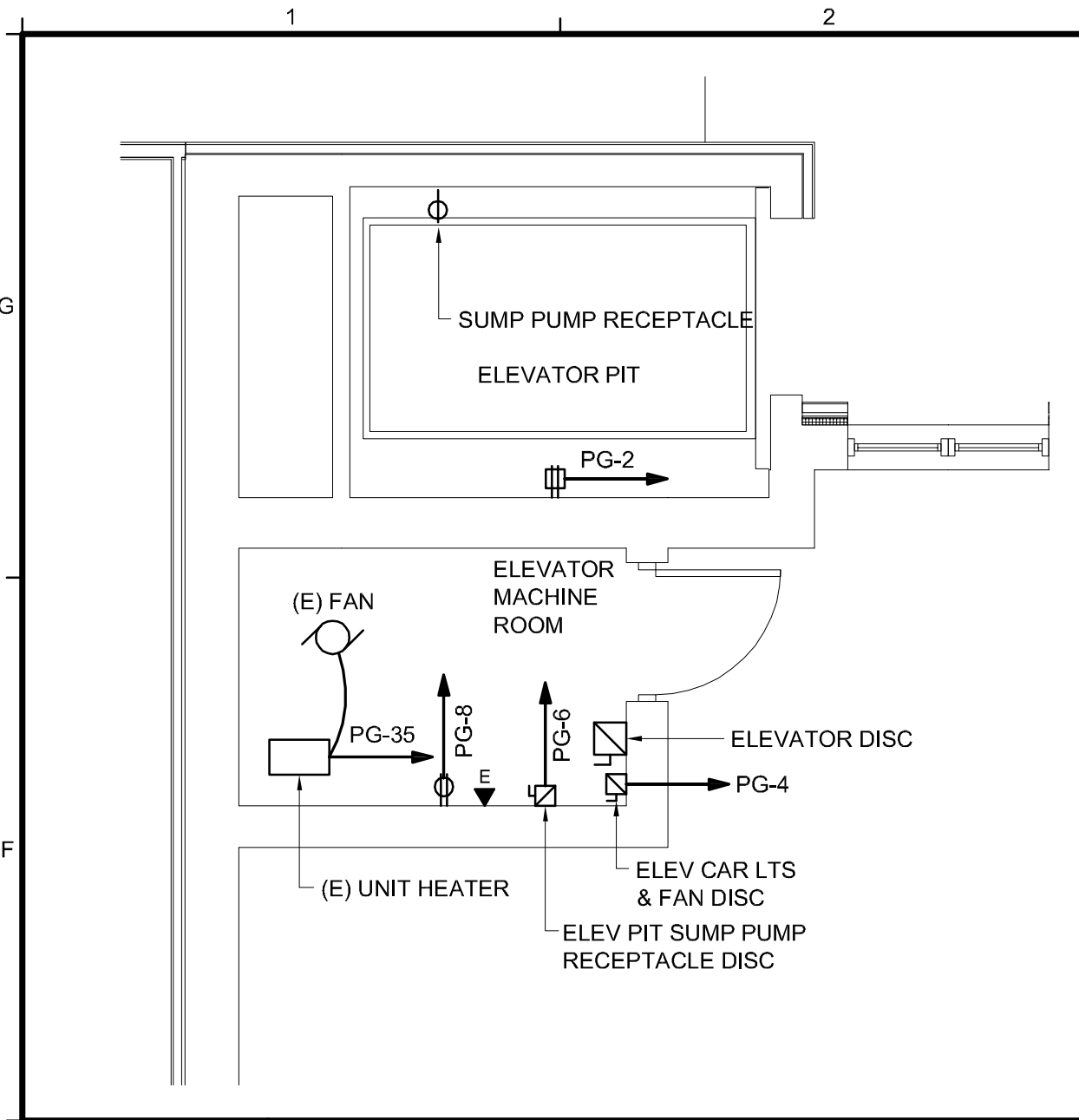
TITLE
ELECTRICAL LEGENDS, NOTES AND ABBREVIATIONS

SHEET

E-000

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION

N:\Projects\2011\11022 - Martin's Point, Healthcare - Old Clinic Renovations\00 Drawing Files\11022E.dwg Apr 27, 2011 - 2:16pm



F4 ELEVATOR ENLARGED PLAN
1/4" = 1'-0"

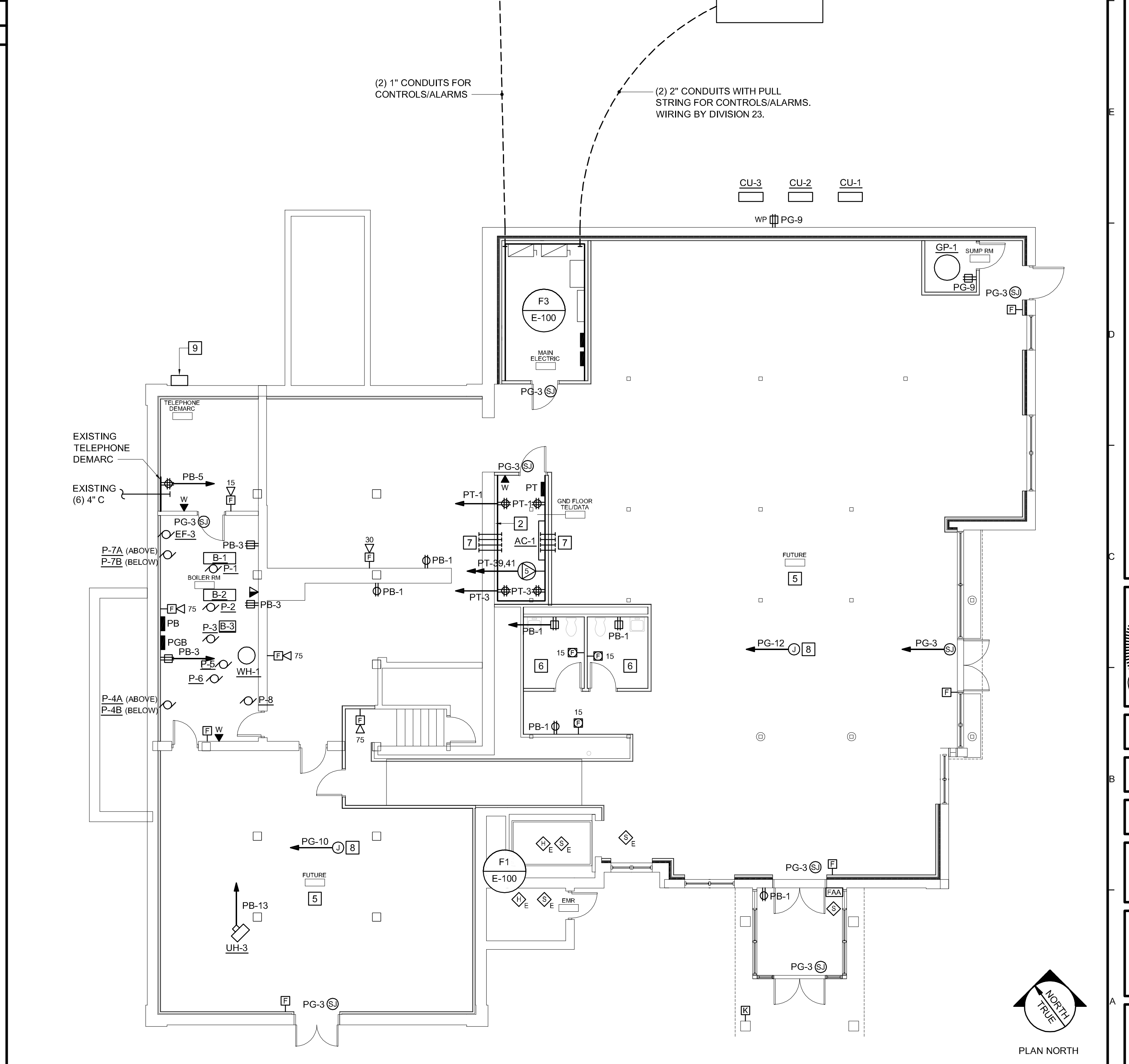
F3 ELECTRIC ROOM ENLARGED PLAN
1/4" = 1'-0"



A1 LIGHTING PLAN ~ GROUND FLOOR
1/8" = 1'-0"

GENERAL NOTE:
WIRE AND CONNECT ALL EXISTING BUILDING MOUNTED EXTERIOR LIGHTING, EXISTING VESTIBULE LIGHT, AND EXISTING PARKING LOT LIGHTING TO NEW PANELS (10 AMPS PER CIRCUIT MAXIMUM). PROVIDE TIME SWITCH WITH PHOTOCELL CONTROL. EXISTING WIRING MAY BE REUSED WHERE POSSIBLE.

- LIGHTING CONTROL: MANUAL ON, AUTO OFF VIA OCCUPANCY SENSOR
- 8' HIGH, 3/4" AC PLYWOOD BACKBOARD ALL AROUND ON 3 1/2" STANDOFFS - PAINT BOTH SIDES WITH (2) COATS OF BLACK FIRE RETARDANT PAINT
- LIGHTING CONTROL: AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR
- PROVIDE FIRE ALARM RECORDS CABINET IN ACCORDANCE WITH CITY REQUIREMENTS
- EXISTING TEMPORARY POWER AND LIGHTING SHALL REMAIN. WIRE AND CONNECT TO NEW PANELS.
- PROVIDE CONDUIT, BOXES AND WIRING TO PANEL INDICATED FOR FUTURE LIGHTING AND DEVICES INDICATED. DEVICES AND LIGHTING SHALL BE INSTALLED AS PART OF THE FUTURE TENANT FIT-UP PROJECT.
- (4) 4" SLEEVES FOR FUTURE TEL/DATA CABLING. MOUNT HORIZONTALLY AS HIGH TO STRUCTURE AS POSSIBLE.
- PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROLS
- EXISTING 200A, 2P, 240V CIRCUIT BREAKER SHALL BE REPLACED WITH 200A, 2P, 30KAIC, 240V CIRCUIT BREAKER IN NEMA 3R ENCLOSURE. THIS BREAKER FEEDS THE ADJACENT ADMIN BUILDING.



A6 POWER AND SYSTEMS PLAN ~ GROUND FLOOR
1/8" = 1'-0"

F9	KEY NOTES
	1 LIGHTING CONTROL: MANUAL ON, AUTO OFF VIA OCCUPANCY SENSOR
	2 8' HIGH, 3/4" AC PLYWOOD BACKBOARD ALL AROUND ON 3 1/2" STANDOFFS - PAINT BOTH SIDES WITH (2) COATS OF BLACK FIRE RETARDANT PAINT
	3 LIGHTING CONTROL: AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR
	4 PROVIDE FIRE ALARM RECORDS CABINET IN ACCORDANCE WITH CITY REQUIREMENTS
	5 EXISTING TEMPORARY POWER AND LIGHTING SHALL REMAIN. WIRE AND CONNECT TO NEW PANELS.
	6 PROVIDE CONDUIT, BOXES AND WIRING TO PANEL INDICATED FOR FUTURE LIGHTING AND DEVICES INDICATED. DEVICES AND LIGHTING SHALL BE INSTALLED AS PART OF THE FUTURE TENANT FIT-UP PROJECT.
	7 (4) 4" SLEEVES FOR FUTURE TEL/DATA CABLING. MOUNT HORIZONTALLY AS HIGH TO STRUCTURE AS POSSIBLE.
	8 PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROLS
	9 EXISTING 200A, 2P, 240V CIRCUIT BREAKER SHALL BE REPLACED WITH 200A, 2P, 30KAIC, 240V CIRCUIT BREAKER IN NEMA 3R ENCLOSURE. THIS BREAKER FEEDS THE ADJACENT ADMIN BUILDING.

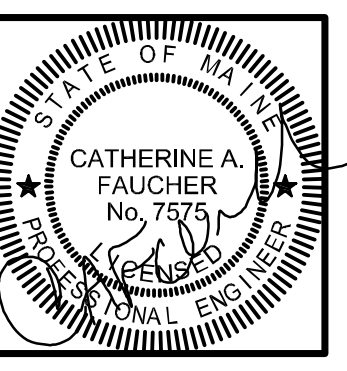
PDT ARCHITECTS
49 DARTMOUTH STREET
PORTLAND, MAINE 04101
207-775-1059
www.pdtarch.com

Allied Engineering
Structural Mechanical
Electrical Commissioning

160 Veranda Street
Portland, Maine 04103
T: 207-221-2266
F: 207-221-2266
Web: www.allied-eng.com

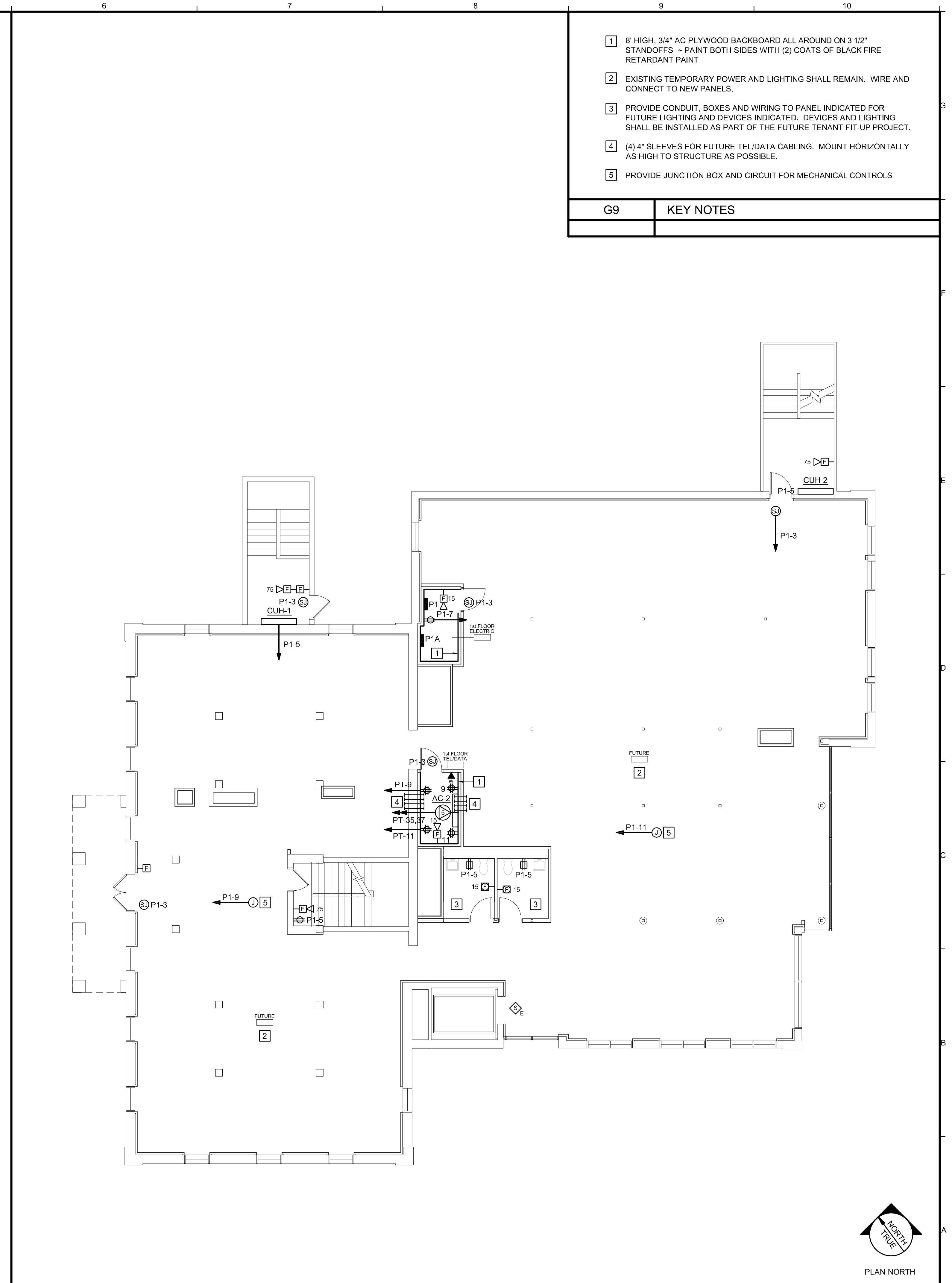
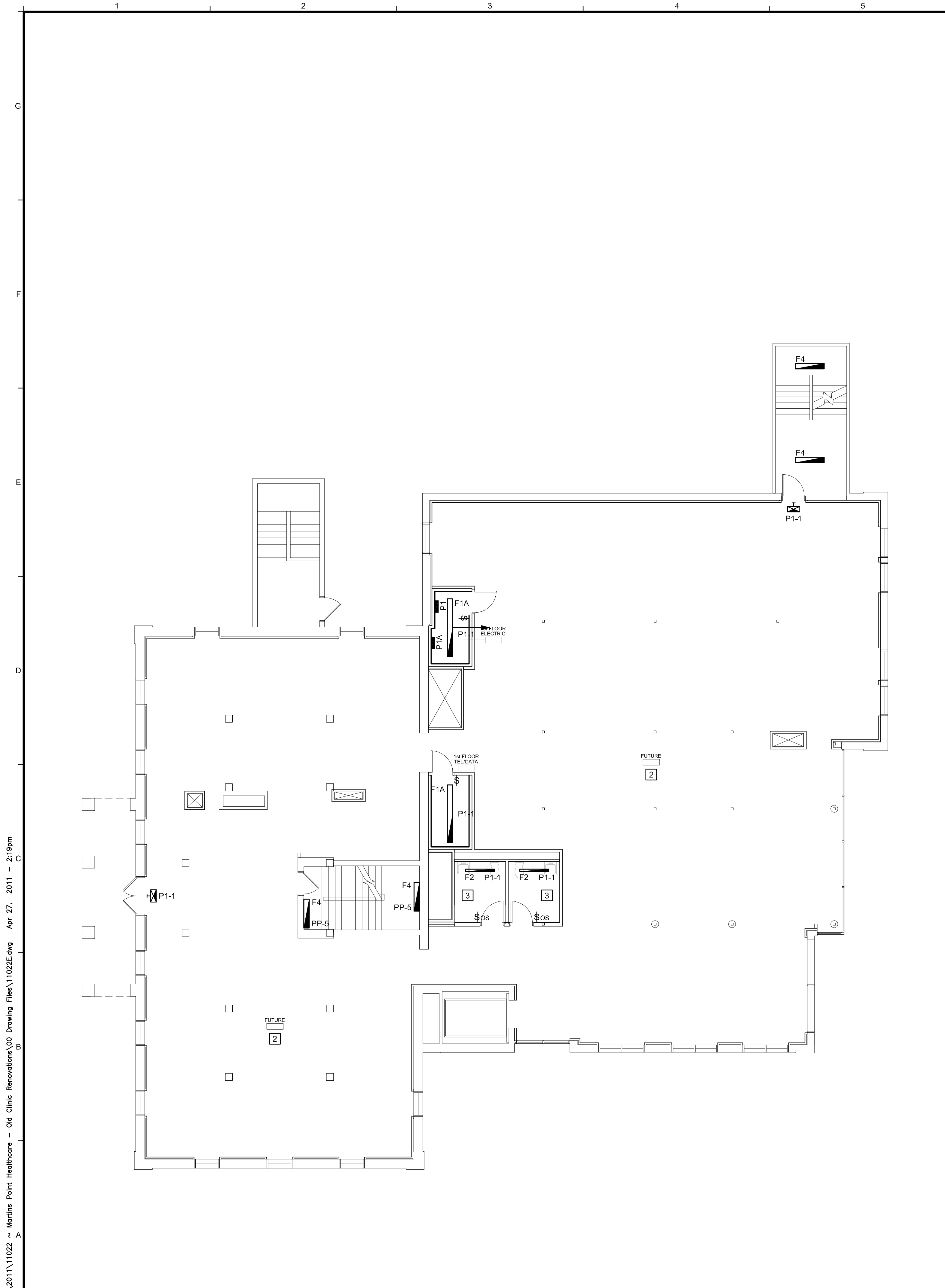
allied Project No: 11-022
CAD File: 11022E

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
PORTLAND, MAINE



PDT JOB NO.
DRWN. CHK.
SCALE AS NOTED
ISSUE
TITLE ELECTRICAL GROUND FLOOR PLANS
SHEET E-100

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION



- 1 8" HIGH, 3/4" AC PLYWOOD BACKBOARD ALL AROUND ON 3 1/2" STANDOFFS ~ PAINT BOTH SIDES WITH (2) COATS OF BLACK FIRE RETARDANT PAINT
- 2 EXISTING TEMPORARY POWER AND LIGHTING SHALL REMAIN. WIRE AND CONNECT TO NEW PANELS.
- 3 PROVIDE CONDUIT, BOXES AND WIRING TO PANEL INDICATED FOR FUTURE LIGHTING AND DEVICES INDICATED. DEVICES AND LIGHTING SHALL BE INSTALLED AS PART OF THE FUTURE TENANT FIT-UP PROJECT.
- 4 (4) 4" SLEEVES FOR FUTURE TEL/DATA CABLING. MOUNT HORIZONTALLY AS HIGH TO STRUCTURE AS POSSIBLE.
- 5 PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROLS

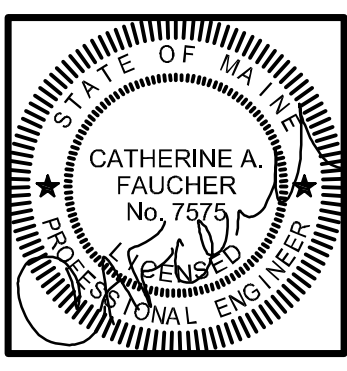
G9	KEY NOTES
----	-----------

PDT
ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarch.com

Allied Engineering
 Structural Mechanical
 Electrical Commissioning
 160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022
 CAD File: 11022E

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.
 DLL/CAF

SCALE
 AS NOTED

ISSUE

TITLE
 ELECTRICAL
 FIRST FLOOR
 PLANS

SHEET

E-101

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION

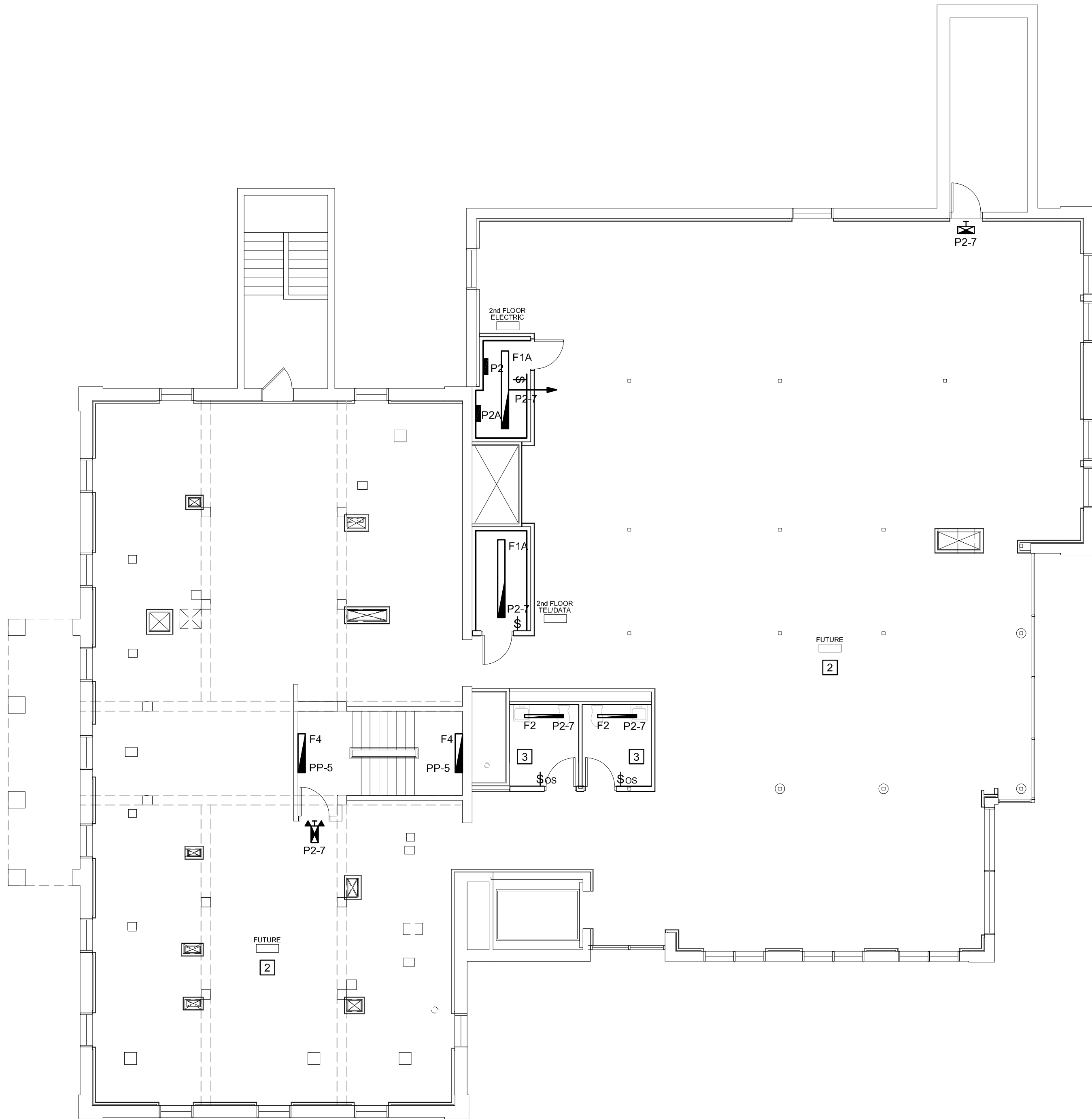
N:\Projects_2011\11022 - Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022E.dwg Apr 27, 2011 - 2:19pm

A1 LIGHTING PLAN ~ FIRST FLOOR
 1/8" = 1'-0"

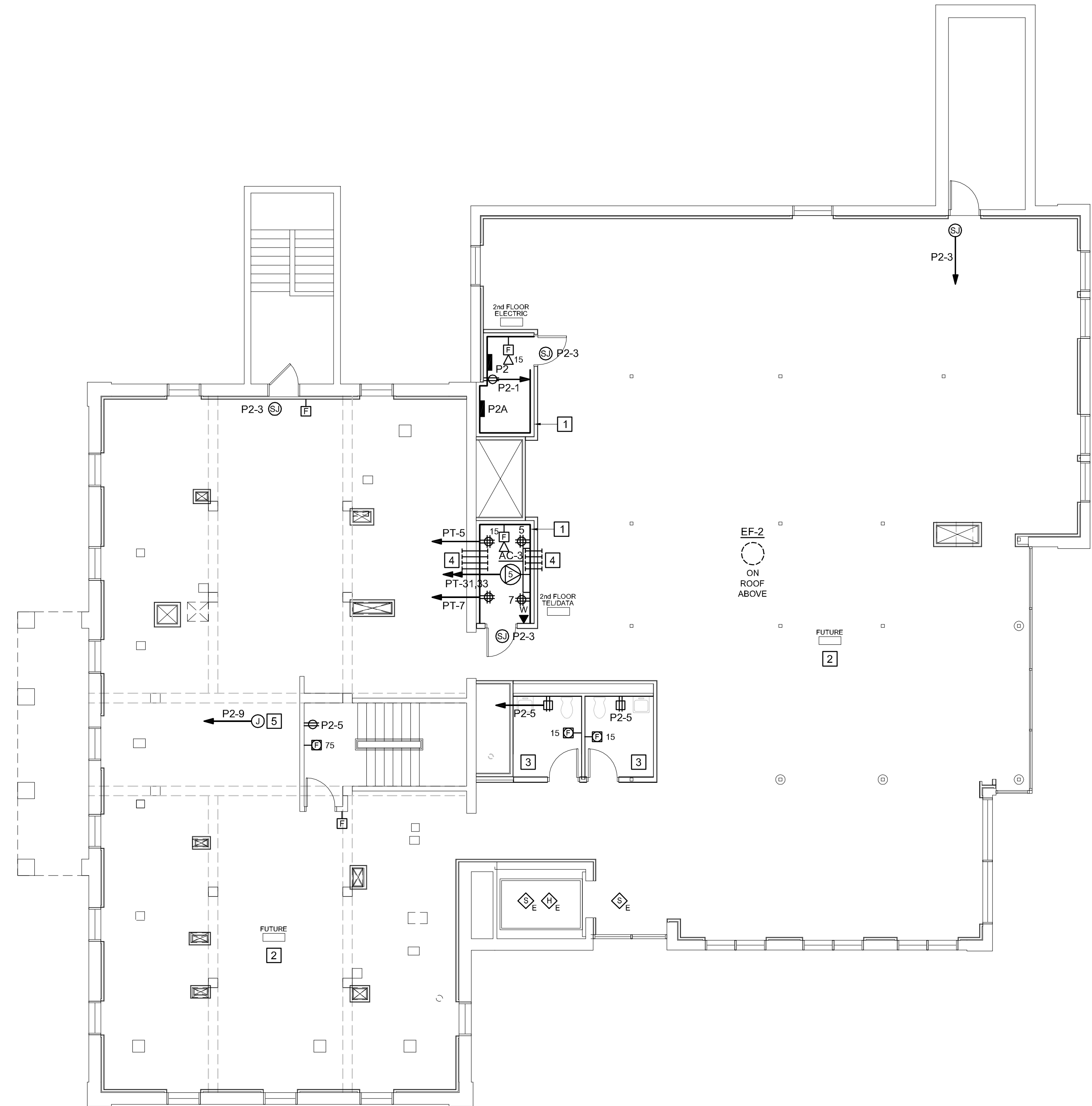
A6 POWER AND SYSTEMS PLAN ~ FIRST FLOOR
 1/8" = 1'-0"



N:\Projects\2011\11022 - Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022E.dwg Apr 27, 2011 - 2:22pm



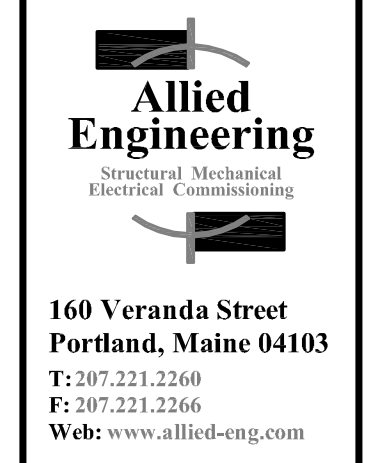
A1 LIGHTING PLAN ~ SECOND FLOOR
1/8" = 1'-0"



A6 POWER AND SYSTEMS PLAN ~ SECOND FLOOR
1/8" = 1'-0"

- 1 8" HIGH, 3/4" AC PLYWOOD BACKBOARD ALL AROUND ON 3 1/2" STANDOFFS - PAINT BOTH SIDES WITH (2) COATS OF BLACK FIRE RETARDANT PAINT
- 2 EXISTING TEMPORARY POWER AND LIGHTING SHALL REMAIN. WIRE AND CONNECT TO NEW PANELS.
- 3 PROVIDE CONDUIT, BOXES AND WIRING TO PANEL INDICATED FOR FUTURE LIGHTING AND DEVICES INDICATED. DEVICES AND LIGHTING SHALL BE INSTALLED AS PART OF THE FUTURE TENANT FIT-UP PROJECT.
- 4 (4) 4" SLEEVES FOR FUTURE TEL/DATA CABLING. MOUNT HORIZONTALLY AS HIGH TO STRUCTURE AS POSSIBLE.
- 5 PROVIDE JUNCTION BOX AND CIRCUIT FOR MECHANICAL CONTROLS

G9	KEY NOTES
----	-----------



allied Project No: 11-022
CAD File: 11022E

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

ISSUE

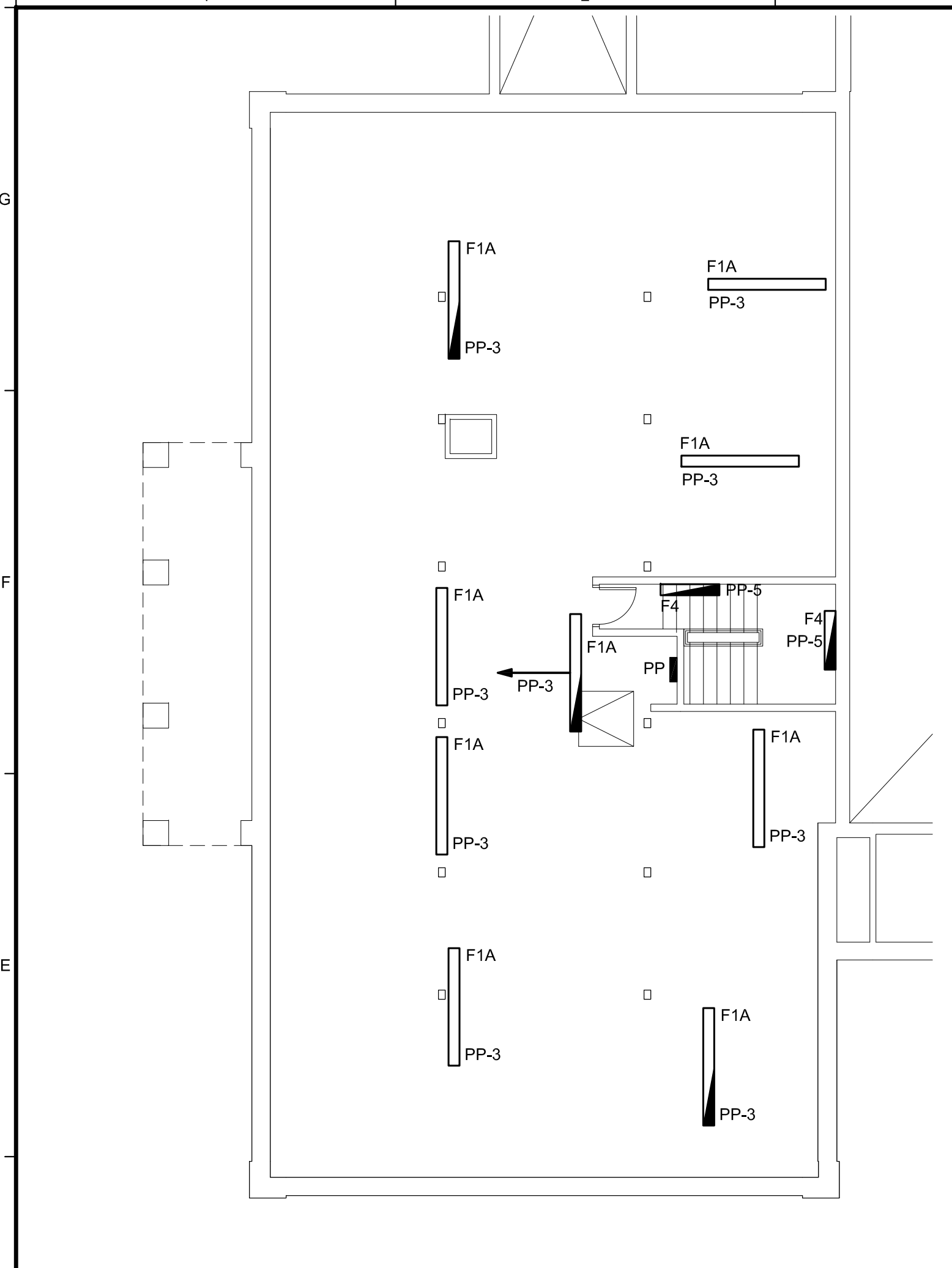
TITLE
ELECTRICAL
SECOND FLOOR
PLANS

SHEET

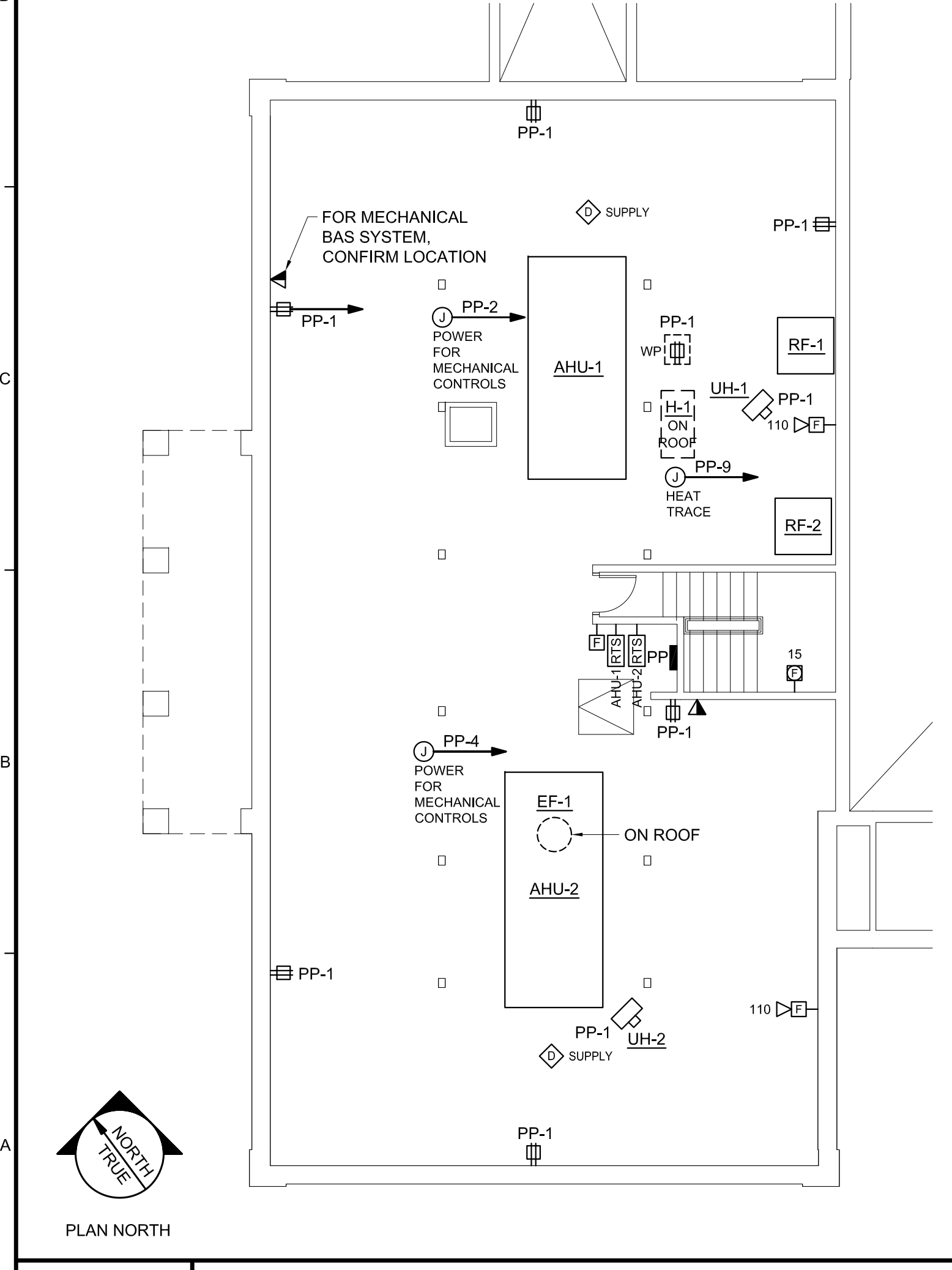
E-102



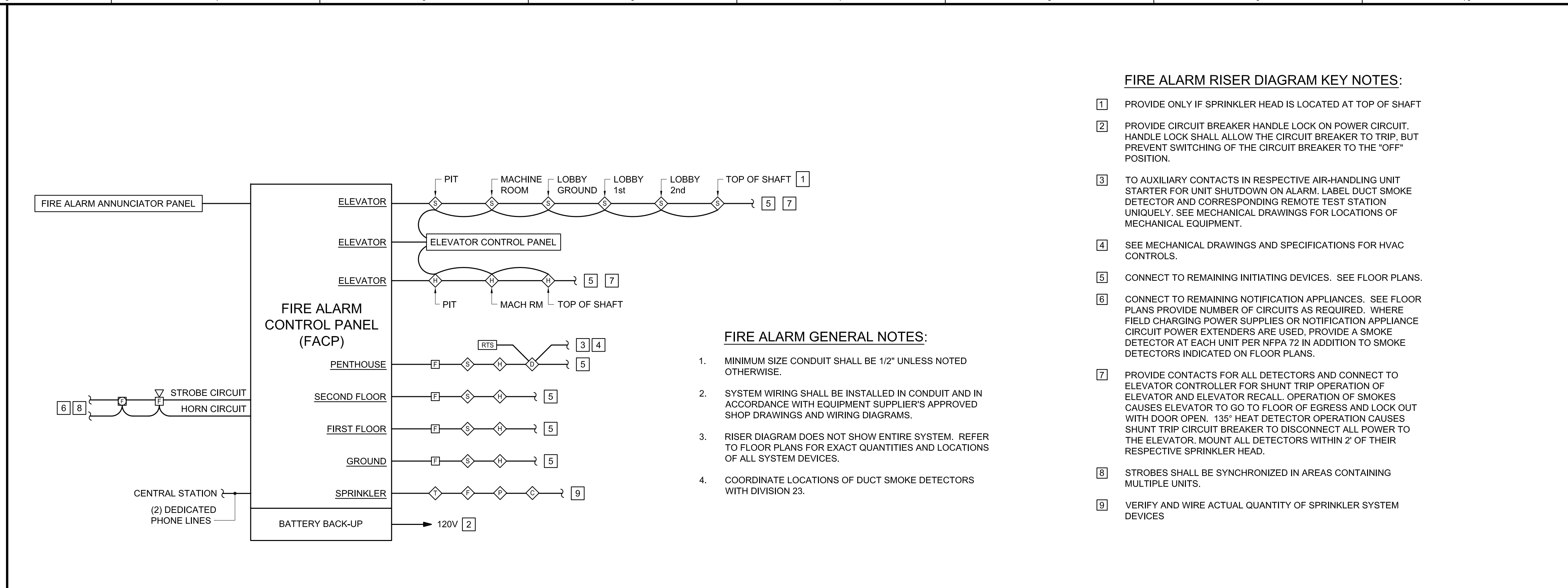
PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION



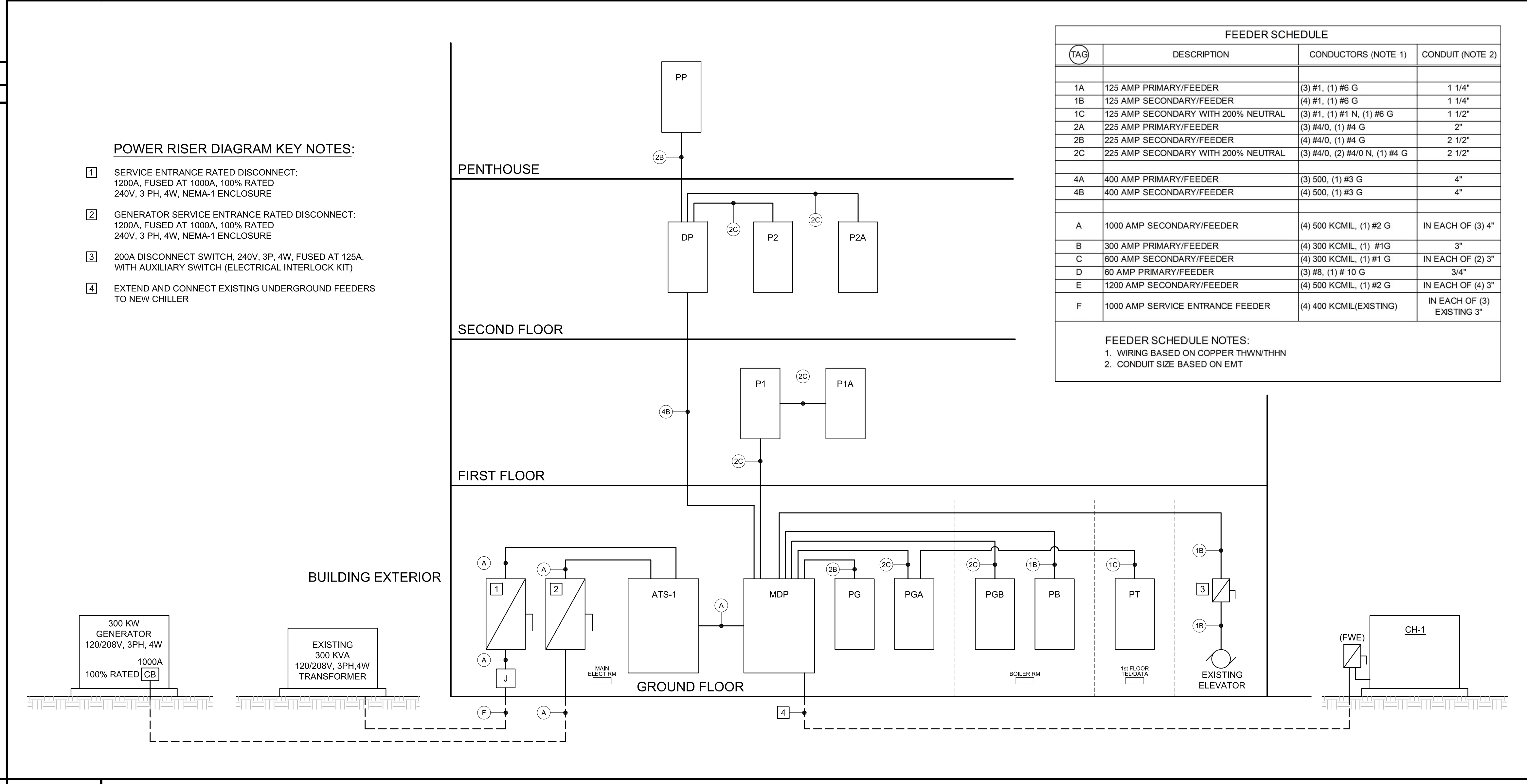
D1 LIGHTING PLAN ~ PENTHOUSE
1/8" = 1'-0"



A1 POWER AND SYSTEMS PLAN ~ PENTHOUSE
1/8" = 1'-0"



E3 FIRE ALARM RISER DIAGRAM
NO SCALE



A3 POWER RISER DIAGRAM
NO SCALE

FIRE ALARM RISER DIAGRAM KEY NOTES:

- 1 PROVIDE ONLY IF SPRINKLER HEAD IS LOCATED AT TOP OF SHAFT
- 2 PROVIDE CIRCUIT BREAKER HANDLE LOCK ON POWER CIRCUIT. HANDLE LOCK SHALL ALLOW THE CIRCUIT BREAKER TO TRIP, BUT PREVENT SWITCHING OF THE CIRCUIT BREAKER TO THE "OFF" POSITION.
- 3 TO AUXILIARY CONTACTS IN RESPECTIVE AIR-HANDLING UNIT STARTER FOR UNIT SHUTDOWN ON ALARM. LABEL DUCT SMOKE DETECTOR AND CORRESPONDING REMOTE TEST STATION UNIQUELY. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF MECHANICAL EQUIPMENT.
- 4 SEE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR HVAC CONTROLS.
- 5 CONNECT TO REMAINING INITIATING DEVICES. SEE FLOOR PLANS.
- 6 CONNECT TO REMAINING NOTIFICATION APPLIANCES. SEE FLOOR PLANS PROVIDE NUMBER OF CIRCUITS AS REQUIRED. WHERE FIELD CHARGING POWER SUPPLIES OR NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDERS ARE USED, PROVIDE A SMOKE DETECTOR AT EACH UNIT PER NFPA 72 IN ADDITION TO SMOKE DETECTORS INDICATED ON FLOOR PLANS.
- 7 PROVIDE CONTACTS FOR ALL DETECTORS AND CONNECT TO ELEVATOR CONTROLLER FOR SHUNT TRIP OPERATION OF ELEVATOR AND ELEVATOR RECALL. OPERATION OF SMOKE CAUSES ELEVATOR TO GO TO FLOOR OF EGRESS AND LOCK OUT WITH DOOR OPEN. 135° HEAT DETECTOR OPERATION CAUSES SHUNT TRIP CIRCUIT BREAKER TO DISCONNECT ALL POWER TO THE ELEVATOR. MOUNT ALL DETECTORS WITHIN 2' OF THEIR RESPECTIVE SPRINKLER HEAD.
- 8 STROBES SHALL BE SYNCHRONIZED IN AREAS CONTAINING MULTIPLE UNITS.
- 9 VERIFY AND WIRE ACTUAL QUANTITY OF SPRINKLER SYSTEM DEVICES

FIRE ALARM GENERAL NOTES:

1. MINIMUM SIZE CONDUIT SHALL BE 1/2" UNLESS NOTED OTHERWISE.
2. SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT AND IN ACCORDANCE WITH EQUIPMENT SUPPLIER'S APPROVED SHOP DRAWINGS AND WIRING DIAGRAMS.
3. RISER DIAGRAM DOES NOT SHOW ENTIRE SYSTEM. REFER TO FLOOR PLANS FOR EXACT QUANTITIES AND LOCATIONS OF ALL SYSTEM DEVICES.
4. COORDINATE LOCATIONS OF DUCT SMOKE DETECTORS WITH DIVISION 23.

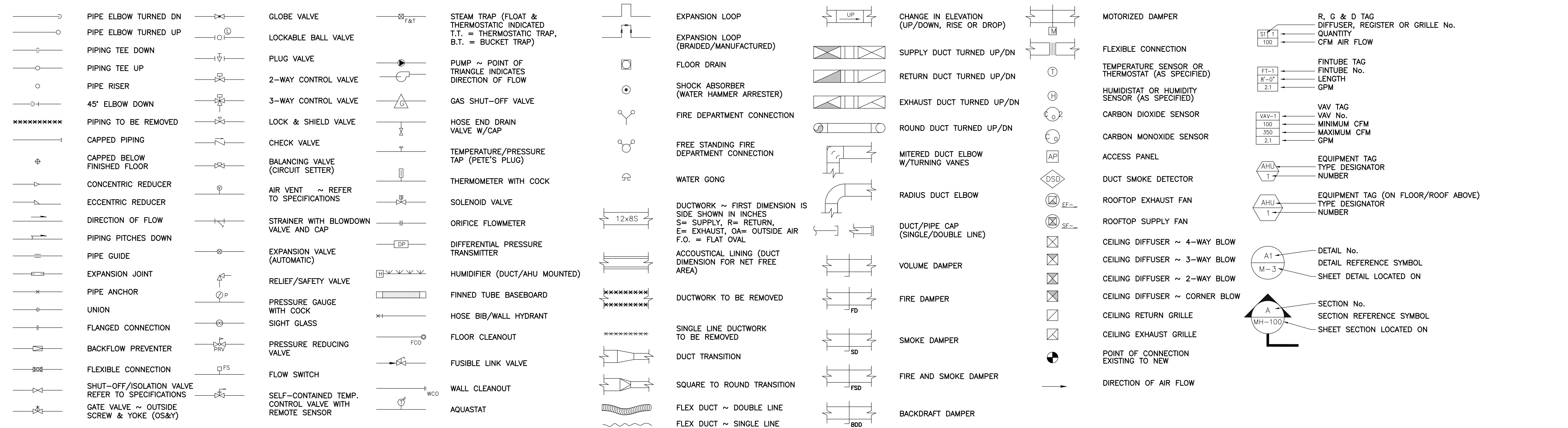
FEEDER SCHEDULE			
(TAG)	DESCRIPTION	CONDUCTORS (NOTE 1)	CONDUIT (NOTE 2)
1A	125 AMP PRIMARY/FEEDER	(3) #1, (1) #6 G	1 1/4"
1B	125 AMP SECONDARY/FEEDER	(4) #1, (1) #6 G	1 1/4"
1C	125 AMP SECONDARY WITH 200% NEUTRAL	(3) #1, (1) #1 N, (1) #6 G	1 1/2"
2A	225 AMP PRIMARY/FEEDER	(3) #4/0, (1) #4 G	2"
2B	225 AMP SECONDARY/FEEDER	(4) #4/0, (1) #4 G	2 1/2"
2C	225 AMP SECONDARY WITH 200% NEUTRAL	(3) #4/0, (2) #4/0 N, (1) #4 G	2 1/2"
4A	400 AMP PRIMARY/FEEDER	(3) 500, (1) #3 G	4"
4B	400 AMP SECONDARY/FEEDER	(4) 500, (1) #3 G	4"
A	1000 AMP SECONDARY/FEEDER	(4) 500 KCML, (1) #2 G	IN EACH OF (3) 4"
B	300 AMP PRIMARY/FEEDER	(4) 300 KCML, (1) #1 G	3"
C	600 AMP SECONDARY/FEEDER	(4) 300 KCML, (1) #1 G	IN EACH OF (2) 3"
D	60 AMP PRIMARY/FEEDER	(3) #8, (1) # 10 G	3/4"
E	1200 AMP SECONDARY/FEEDER	(4) 500 KCML, (1) #2 G	IN EACH OF (4) 3"
F	1000 AMP SERVICE ENTRANCE FEEDER	(4) 400 KCML (EXISTING)	IN EACH OF (3) EXISTING 3"

- FEEDER SCHEDULE NOTES:
1. WIRING BASED ON COPPER THWN/THHN
2. CONDUIT SIZE BASED ON EMT

POWER RISER DIAGRAM KEY NOTES:

- 1 SERVICE ENTRANCE RATED DISCONNECT: 1200A, FUSED AT 1000A, 100% RATED 240V, 3 PH, 4W, NEMA-1 ENCLOSURE
- 2 GENERATOR SERVICE ENTRANCE RATED DISCONNECT: 1200A, FUSED AT 1000A, 100% RATED 240V, 3 PH, 4W, NEMA-1 ENCLOSURE
- 3 200A DISCONNECT SWITCH, 240V, 3P, 4W, FUSED AT 125A, WITH AUXILIARY SWITCH (ELECTRICAL INTERLOCK KIT)
- 4 EXTEND AND CONNECT EXISTING UNDERGROUND FEEDERS TO NEW CHILLER

N:\Projects\2011\11022 - Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022E.dwg Apr 27, 2011 - 4:47pm



D1 SYMBOLS LEGEND

NONE

AW	ACID WASTE	LPR	LOW-PRESSURE CONDENSATE	AAV	AUTOMATIC AIR VENT	DN	DOWN	LP	LIQUID PETROLEUM GAS	TP	TRAP PRIMER
ATV	AIR RELIEF	LPS	LOW-PRESSURE STEAM	AC	ABOVE CEILING	DS	DOWNSPOUT	LPR	LOW PRESSURE STEAM RETURN	TSP	TOTAL STATIC PRESSURE
BBB	BOILER BLOWDOWN	MA	MEDICAL AIR	ACC	AIR COOLED CONDENSER	DT	DROP AND TRANSITION	LPS	LOW PRESSURE STEAM SUPPLY	TTS	TIGHT TO STEEL
BF	BOILER FEED	MPS	MEDIUM-PRESSURE CONDENSATE	ACU	AIR CONDITIONING UNIT	DV	DRAIN VALVE	MAX	MAXIMUM	TV	TURNING VANE
C	CONDENSATE (HVAC DRAIN PAN)	MU	MEDIUM-PRESSURE STEAM	ADA	AMERICANS WITH DISABILITIES ACT	DWG	DRAWING	MBH	1000 BTU/HR.	TW	TEMPERED WATER
C	CONDENSATE (HVAC DRAIN PAN - BELOW FLOOR)	N2	NITROGEN	AD	ACCESS DOOR	EA	EXHAUST AIR	MFR	MANUFACTURER	TYP	TYPICAL
CA	COMPRESSED AIR	NG	NATURAL GAS	AE	ACID EXHAUST	EF	EXHAUST FAN	MIN	MINIMUM	UH	UNIT HEATER
CHWR	CHILLED WATER RETURN	NO	NITROUS OXIDE	AW	ACID WASTE	EG	EXHAUST GRILLE	MOD	MOTOR OPERATED DAMPER	UIC	UP IN CHASE
CHWS	CHILLED WATER SUPPLY	NPW	NON-POTABLE WATER	AFF; A.F.F.	ABOVE FINISHED FLOOR	ELEV	ELEVATION	MPG	MEDIUM PRESSURE GAS	UIW	UP IN WALL
CWS	CONDENSER WATER SUPPLY	OX	OXYGEN	AHU	AIR HANDLING UNIT	ELONG	ELONGATE	MPV	MULTI-PURPOSE VALVE	UV	UNIT VENTILATOR
CWR	CONDENSER WATER RETURN	PC	PUMPED CONDENSATE	AP	ACCESS PANEL	ENC	ENCLOSURE	MTD	MOUNTED	V	VENT
D	DRAIN	PCWR	PROCESSED COLD WATER RETURN	APPROX	APPROXIMATE; APPROXIMATELY	ER	EXHAUST REGISTER	MTG	MOUNTING	VAC	VACUUM
FM	PUMP FORCE MAIN	PCWS	PROCESSED COLD WATER SUPPLY	APMR	AS PER MFR'S RECOMMENDATIONS	ESP	EXTERNAL STATIC PRESSURE	MUA	MAKE UP AIR	VB	VACUUM BREAKER
FOF	FUEL OIL FILL	RD	REFRIGERANT DISCHARGE	ATC	AUTOMATIC TEMPERATURE CONTROL	ET	EXPANSION TANK	N.C.	NORMALLY CLOSED	VCF	VALVE & CAP FOR FUTURE
FOR	FUEL OIL RETURN	RL	REFRIGERANT LIQUID	AV	AIR VENT	ET (E)	EXISTING	N.O.	NORMALLY OPEN	VD	VOLUME DAMPER - MANUAL
FOS	FUEL OIL SUPPLY	RS	REFRIGERANT SUCTION	BC	BALANCING COCK	F & T	FLOAT AND THERMOSTATIC	NIC	NOT IN CONTRACT	VLV	VALVE
FOV	FUEL OIL TANK VENT	RW	RAIN WATER ABOVE FLOOR	BDD	BACKDRAFT DAMPER	FBO	FURNISHED BY OTHERS	NPT	NATIONAL PIPE THREAD	VS	VENT STACK
FW	FEEDWATER	RV	RAIN WATER BELOW GRADE	BG	BLAST GATE	FBP	FACE AND BYPASS	NTS	NOT TO SCALE	VTR	VENT THROUGH ROOF
GR	GLYCOL RETURN	SW	SANITARY SOIL WASTE (ABOVE FLOOR)	BF	BARRIER FREE	FC	FLEXIBLE CONNECTION	OA	OUTSIDE AIR	W	WASTE
GS	GLYCOL SUPPLY	SWS	SANITARY SOIL WASTE (BELOW FLOOR)	BFP	BACKFLOW PREVENTER	FCO	FLOOR CLEANOUT	OB	OPPOSED BLADE DAMPER	W/	WITH
H	HUMIDIFICATION LINE	SV	SANITARY WASTE & VENT COMBINATION	BHP	BRAKE HORSEPOWER	FD	FLOOR DRAIN TAG	OD	OUTSIDE DIAMETER	WB	WET BULB TEMPERATURE, °F
H2	HYDROGEN GAS	SP	SPRINKLER MAIN PIPING	BLDG	BUILDING	FD-#	FLOOR DRAIN TAG	OED	OPEN ENDED DUCT	WCO	WALL CLEANOUT
HPWR	HEAT PUMP WATER RETURN	SWR	SOLAR WATER RETURN	BOD	BOTTOM OF DUCT	FD-#	FLOOR DRAIN TAG	OE	OPEN ENDED DUCT	WH	WATER HEATER
HPWS	HEAT PUMP WATER SUPPLY	TP	TRAP PRIMER PIPING ABOVE GRADE	B.T.U.	BRITISH THERMAL UNIT	FIN	FINISH	OF	OUTSIDE DIAMETER	WHYD	WALL HYDRANT
HPC	HIGH-PRESSURE CONDENSATE	TQ	TRAP PRIMER PIPING BELOW GRADE	C; CONV.	CONVECTOR	FL	FLOOR	OD	OUTSIDE DIAMETER	NTS	NOT TO SCALE
HPS	HIGH-PRESSURE STEAM	TWR	TEMPERED RETURN WATER	CCW	COUNTER CLOCKWISE	FTG	FOOTING	OE	OPEN ENDED DUCT	Ø	DIAMETER
HTWR	HIGH-TEMP. HOT WATER RETURN	TWS	TEMPERED SUPPLY WATER	CCW	COUNTER CLOCKWISE	FTR	FINNED TUBE RADIATION	OF	OUTSIDE DIAMETER	⊙	AT
HWR	HOT WATER RETURN	VC	VACUUM (AIR)	CFM	CAPPED FOR FUTURE	FS	FLOW SWITCH	OF	OUTSIDE DIAMETER	&	AND
HWS	HOT WATER SUPPLY	VPD	VACUUM CLEANING (HOUSE)	CFM	CUBIC FEET PER MINUTE	FM	FORCE MAIN	OF	OUTSIDE DIAMETER	%	PERCENT
IND	INDUSTRIAL WASTE			CLG	CEILING	GC	GENERAL CONTRACTOR	OF	OUTSIDE DIAMETER		
IW	INDIRECT WASTE			CO	CLEANOUT	GPM	GALLONS PER MINUTE	OF	OUTSIDE DIAMETER		
LN	LIQUID NITROGEN			CM	CONSTRUCTION MANAGER	GV	GRAVITY VENTILATOR	OF	OUTSIDE DIAMETER		
LOX	LIQUID OXYGEN			CNTR	COUNTER; COUNTERTOP	H	HUMIDIFIER	OF	OUTSIDE DIAMETER		
LPC	LOW-PRESSURE CONDENSATE			CONN	CONNECT; CONNECTION	HB	HOSE BIB	OF	OUTSIDE DIAMETER		
LP	LIQUID PETROLEUM GAS			CONT	CONTINUE; CONTINUATION	HG; HDC	HANDICAP ACCESS	OF	OUTSIDE DIAMETER		
				COORD	COORDINATE	HGT, HT.	HEIGHT	OF	OUTSIDE DIAMETER		
				CORR	CORRIDOR	HP	HEAT PUMP	OF	OUTSIDE DIAMETER		
				CR	CHEMICAL RESISTING	HRU	HEAT RECOVERY UNIT	OF	OUTSIDE DIAMETER		
				CT	COOLING TOWER	HTR	HEATER	OF	OUTSIDE DIAMETER		
				CTE	CONNECT TO EXISTING	H & V	HEATING AND VENTILATION	OF	OUTSIDE DIAMETER		
				CTR	CENTER	HVAC	HEATING, VENTILATING, & AIR COND.	OF	OUTSIDE DIAMETER		
				CTRNLN	CENTERLINE	HW	HOT WATER	OF	OUTSIDE DIAMETER		
				CU	COPPER	HWR	HOT WATER RETURN	OF	OUTSIDE DIAMETER		
				CUH	CABINET UNIT HEATER	HWS	HOT WATER SUPPLY	OF	OUTSIDE DIAMETER		
				C.V.	CONTROL VALVE	HX	HEAT EXCHANGER	OF	OUTSIDE DIAMETER		
				CW	COLD WATER/CLOCKWISE	ID	INSIDE DIAMETER	OF	OUTSIDE DIAMETER		
				DB	DRY BULB TEMPERATURE, °F	IN WG	INCHES WATER GAUGE	OF	OUTSIDE DIAMETER		
				DC	DOUBLE CONTAINED	INCL	INCLUDING	OF	OUTSIDE DIAMETER		
				DDC	DIRECT DIGITAL CONTROL	INV EL	INVERT ELEVATION	OF	OUTSIDE DIAMETER		
				DET	DETAIL	IPS	IRON PIPE SIZE	OF	OUTSIDE DIAMETER		
				DIA	DIAMETER	KE-#	KITCHEN EQUIPMENT NUMBER	OF	OUTSIDE DIAMETER		
				DIC	DOWN IN CHASE	LD	LINEAR DIFFUSER	OF	OUTSIDE DIAMETER		
				DIW	DOWN IN WALL	LE-#	SCIENCE LAB EQUIPMENT NUMBER	OF	OUTSIDE DIAMETER		

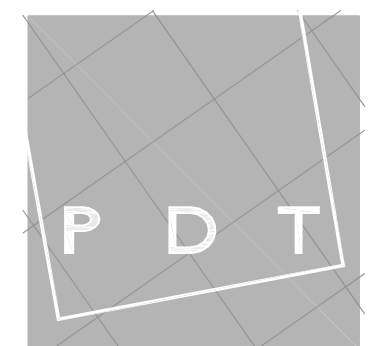
A1 PIPING LINETYPE LEGEND

NONE

A4 ABBREVIATIONS

NONE

NOTE
ALL GENERAL NOTES, SYMBOL LEGENDS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING AND HVAC DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

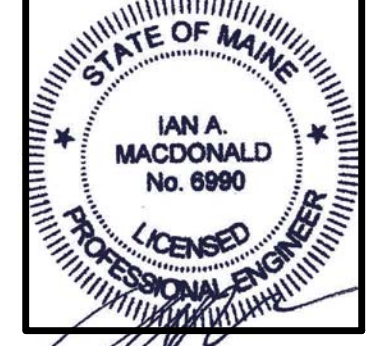


ARCHITECTS
49 DARTMOUTH STREET
PORTLAND, MAINE 04101
207-775-1059
www.pdtrchs.com

Allied Engineering
Structural Mechanical Electrical Commissioning
160 Veranda Street
Portland, Maine 04103
T: 207.221.2260
F: 207.221.2266
Web: www.allied-eng.com

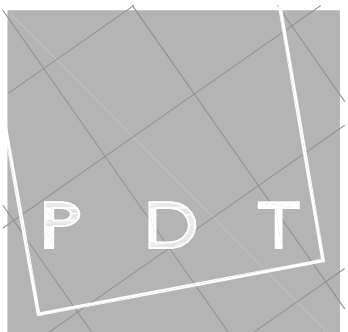
allied Project No: 11-022
CAD File: 11-022P

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
PORTLAND, MAINE

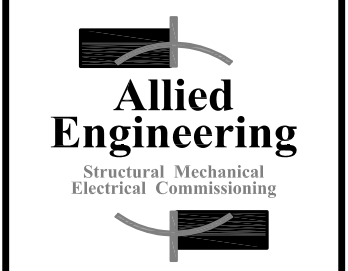


PDT JOB NO.
DRWN. CHK.
SCALE AS NOTED
ISSUE
TITLE HVAC & PLUMBING ABBREVIATIONS & LEGENDS
SHEET PL-000

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION



PDT ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarchs.com

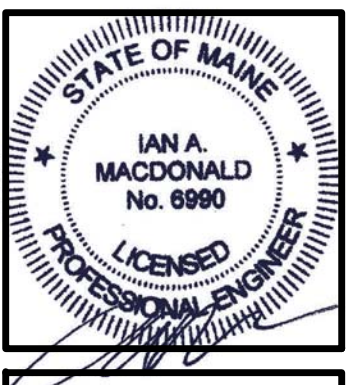


Allied Engineering
 Structural Mechanical
 Electrical Commissioning
 160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022

CAD File: 11-022P

MARTIN'S POINT - BUILDING 4
 SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE
 AS NOTED

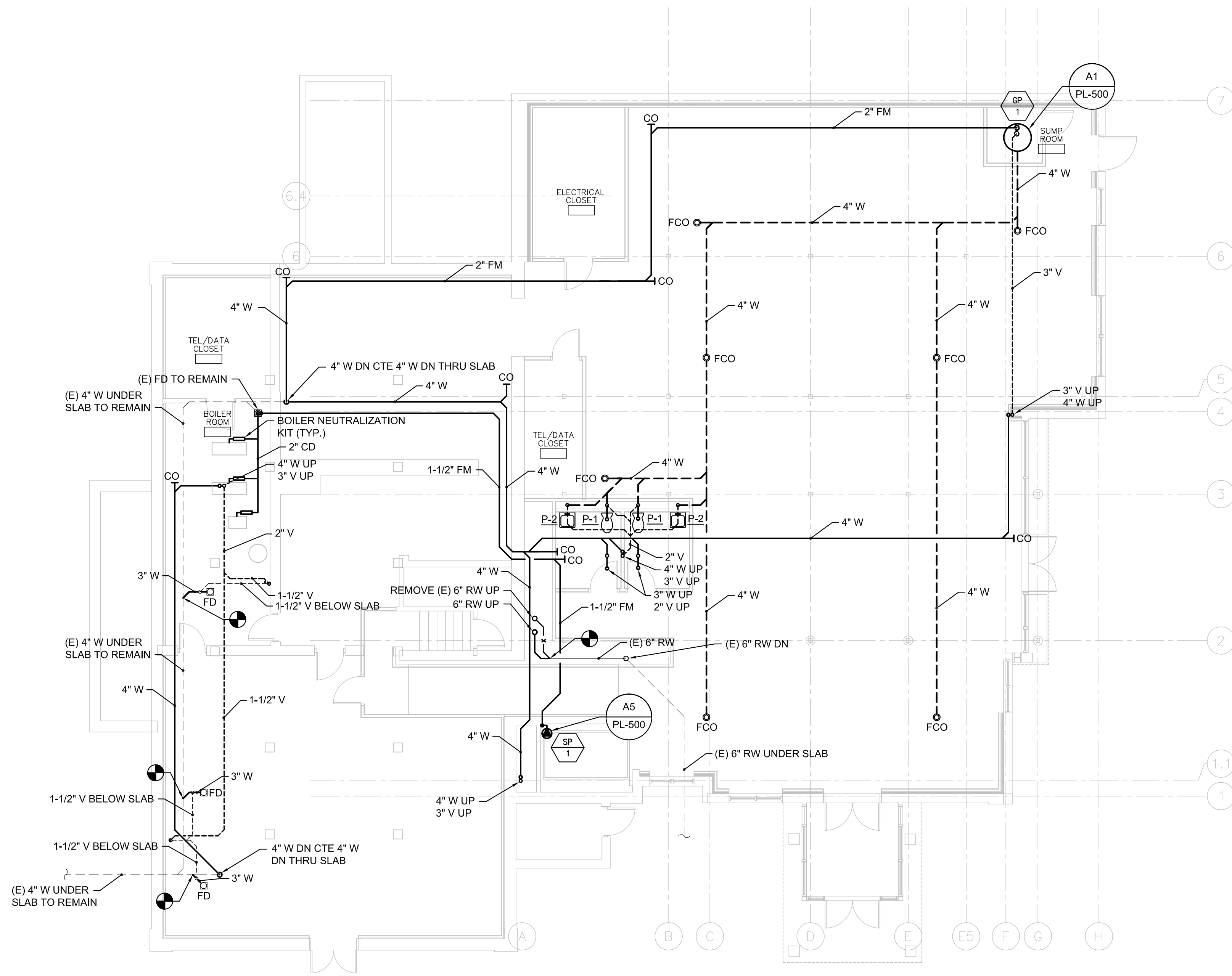
ISSUE

TITLE
 PLUMBING SANITARY
 GROUND FLOOR
 PLAN

SHEET

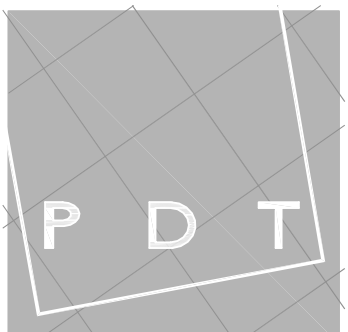
PL-100

PERMIT SET ~ 26 APRIL 2011 ~ NOT FOR CONSTRUCTION



A1 PLUMBING SANITARY GROUND FLOOR PLAN
 1/8" = 1'-0"

N:\Projects\2011\11022 ~ Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022P.dwg Apr 27, 2011 - 4:23pm



PDT ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarchs.com

Allied Engineering
 Structural Mechanical
 Electrical Commissioning

160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022
 CAD File: 11-022P

MARTIN'S POINT - BUILDING 4
 SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

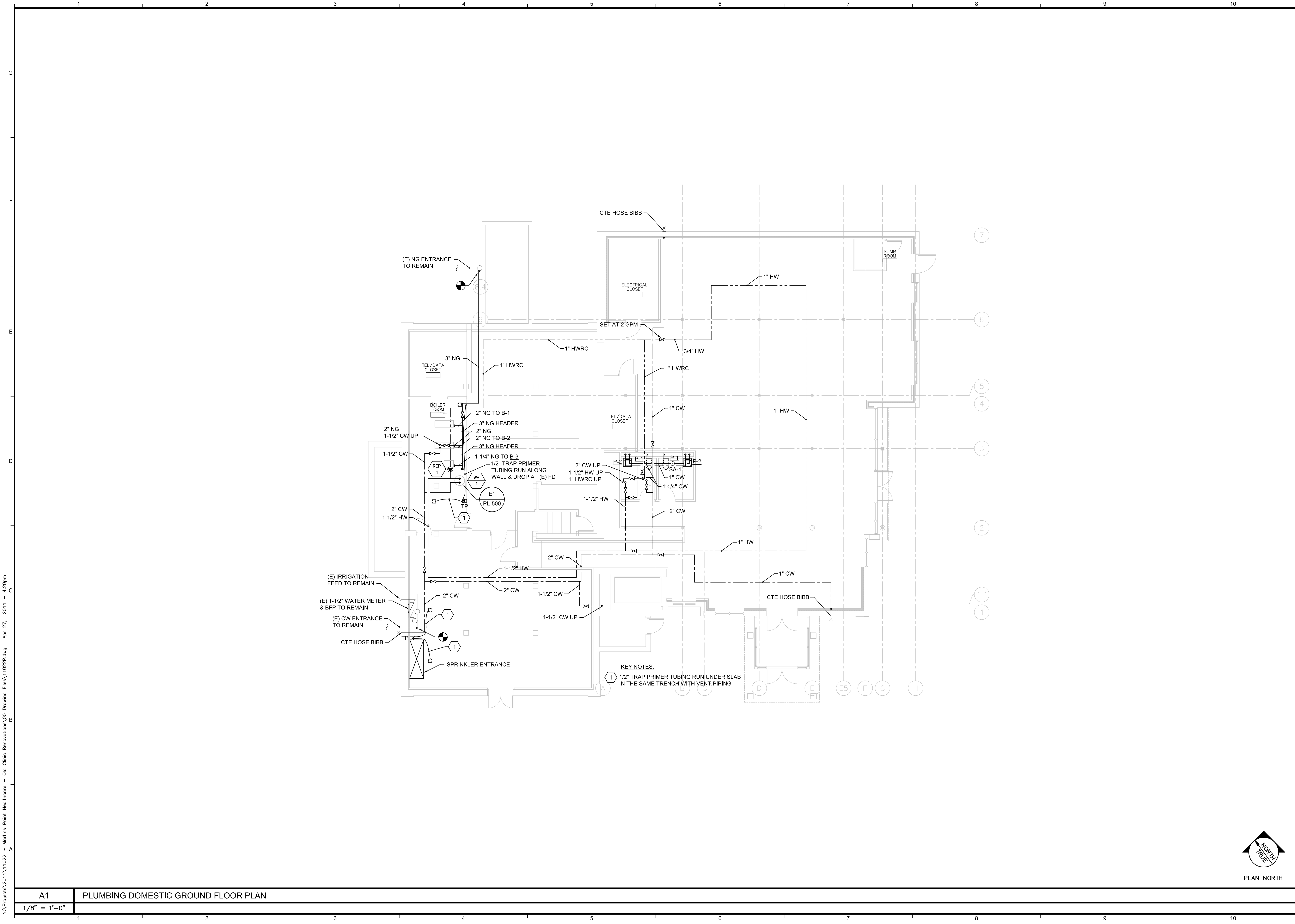
ISSUE

TITLE
 PLUMBING DOMESTIC
 GROUND FLOOR
 PLAN

SHEET

PL-101

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION



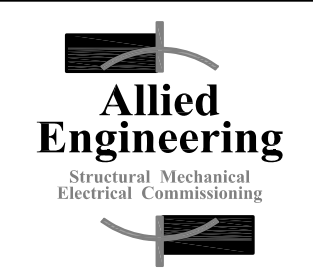
KEY NOTES:
 1 1/2" TRAP PRIMER TUBING RUN UNDER SLAB
 IN THE SAME TRENCH WITH VENT PIPING.

N:\Projects\2011\11022 - Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022P.dwg Apr 27, 2011 - 4:20pm

A1 PLUMBING DOMESTIC GROUND FLOOR PLAN
 1/8" = 1'-0"



PDT ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarchs.com



Allied Engineering
 Structural Mechanical
 Electrical Commissioning
 160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022

CAD File: 11-022P

MARTIN'S POINT - BUILDING 4
 SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

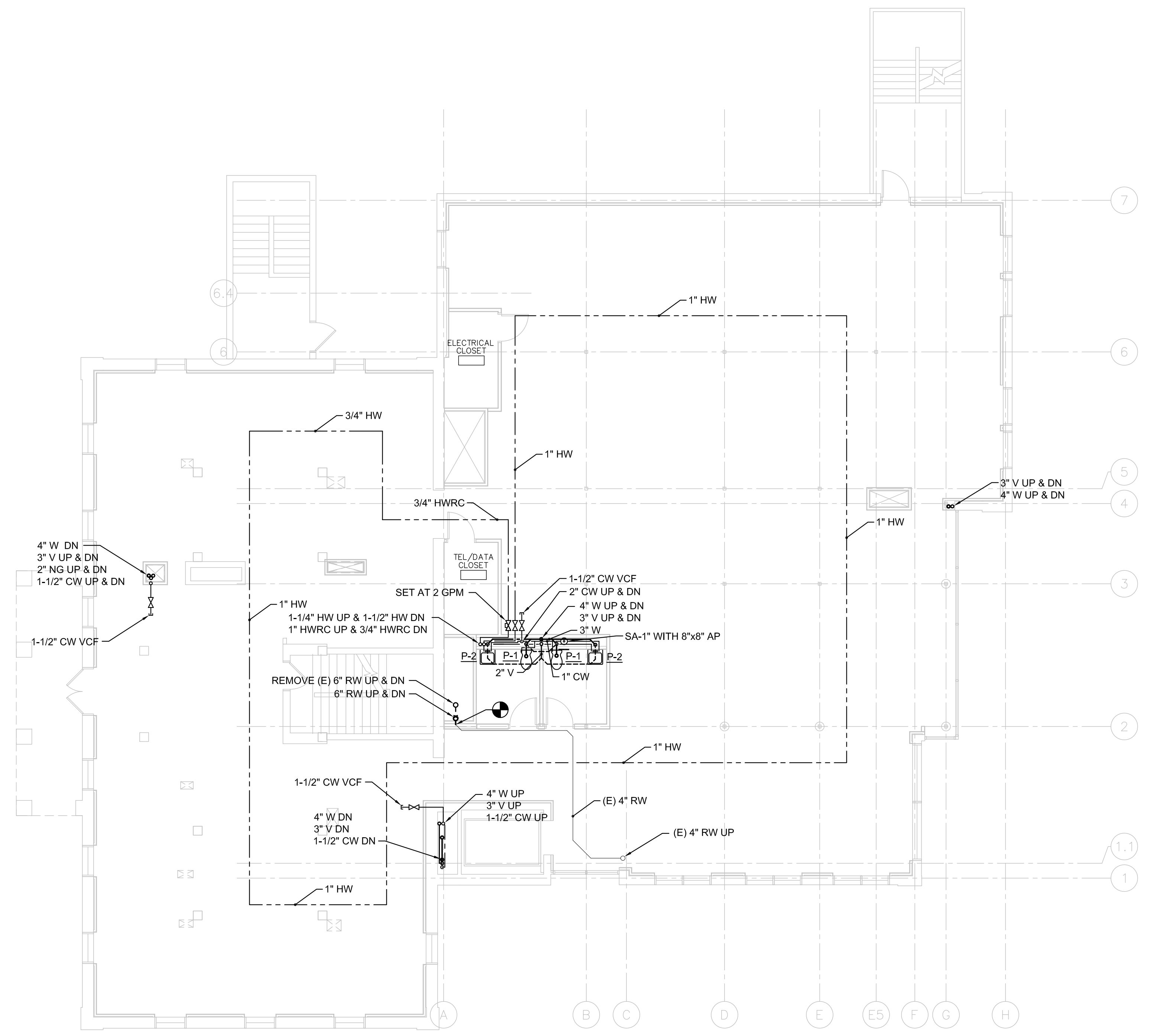
ISSUE

TITLE
 PLUMBING
 FIRST FLOOR
 PLAN

SHEET

PL-102

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION

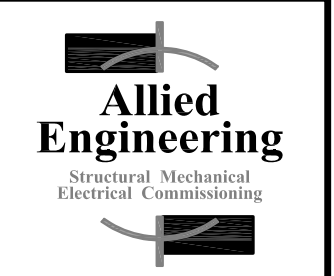


N:\Projects\2011\11022 - Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022P.dwg Apr 27, 2011 - 4:20pm

A1 PLUMBING FIRST FLOOR PLAN
 1/8" = 1'-0"



PDT
ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04101
 207-775-1059
 www.pdtarchs.com

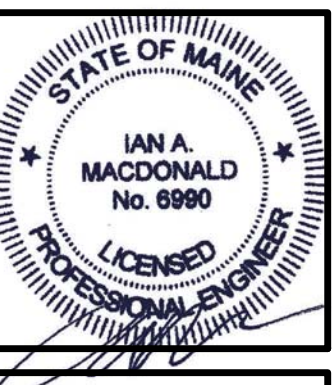


Allied Engineering
 Structural Mechanical
 Electrical Commissioning
 160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022

CAD File: 11-022P

MARTIN'S POINT - BUILDING 4
SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

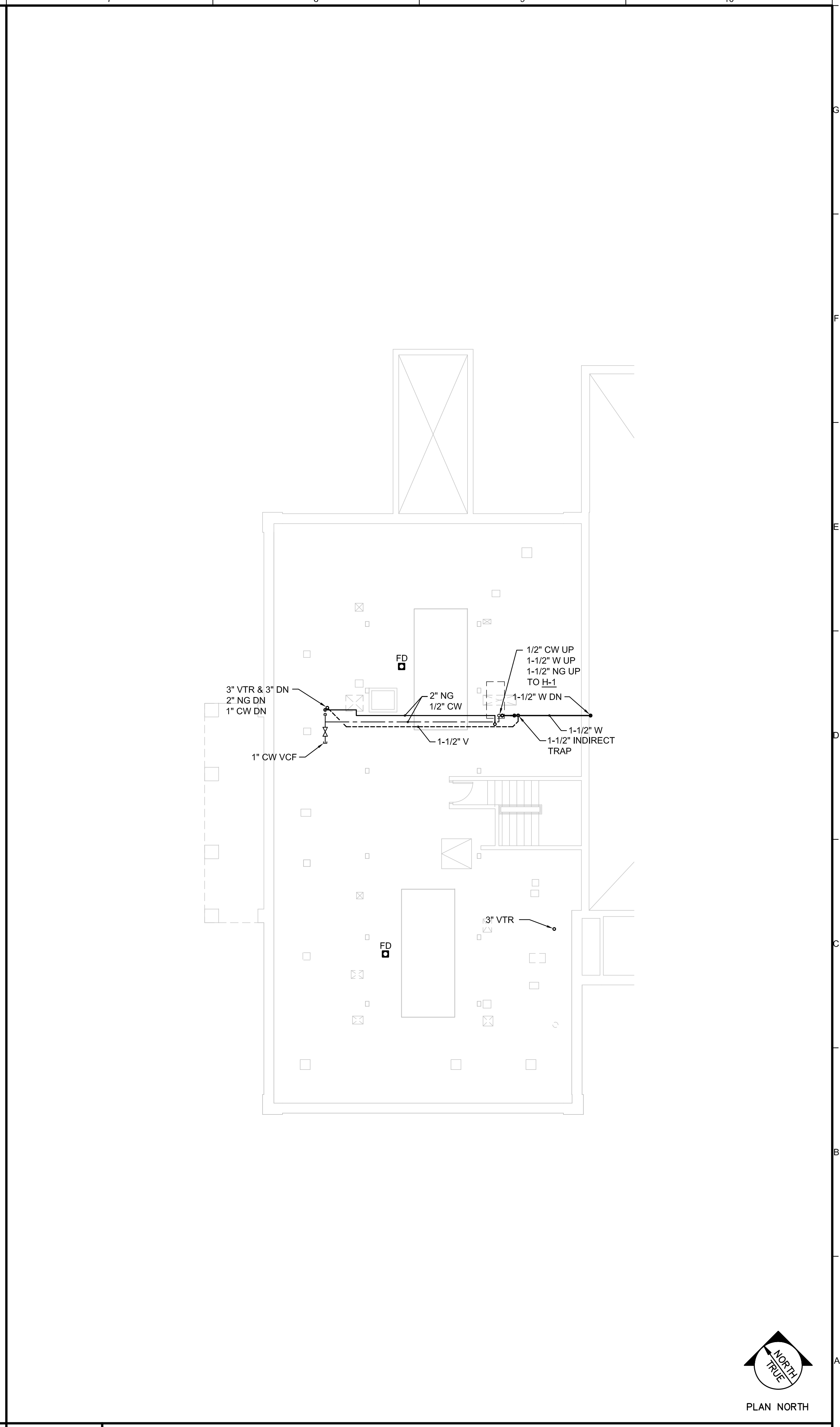
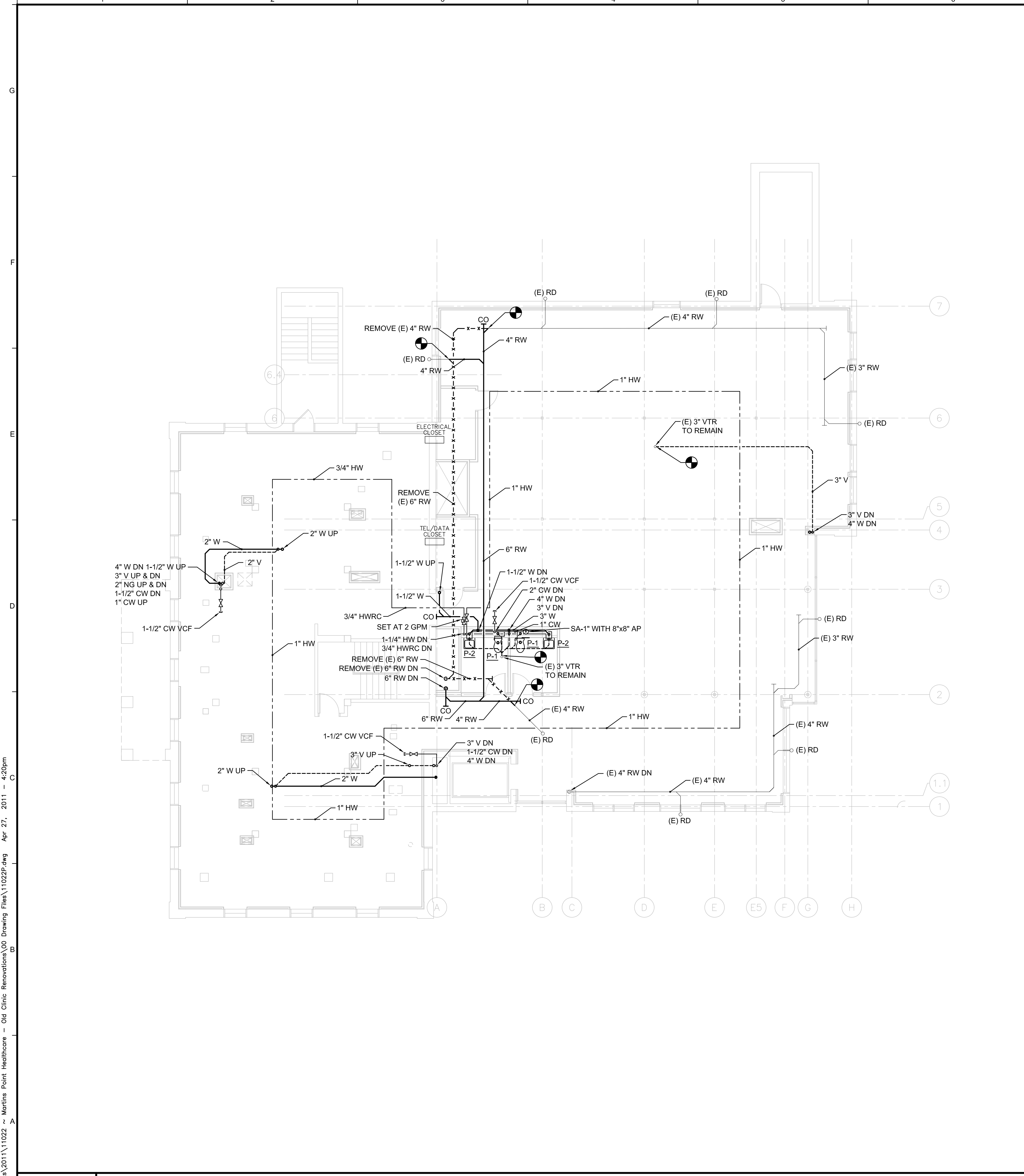
ISSUE

TITLE
 PLUMBING
 SECOND FLOOR
 AND PENTHOUSE
 PLAN

SHEET

PL-103

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION

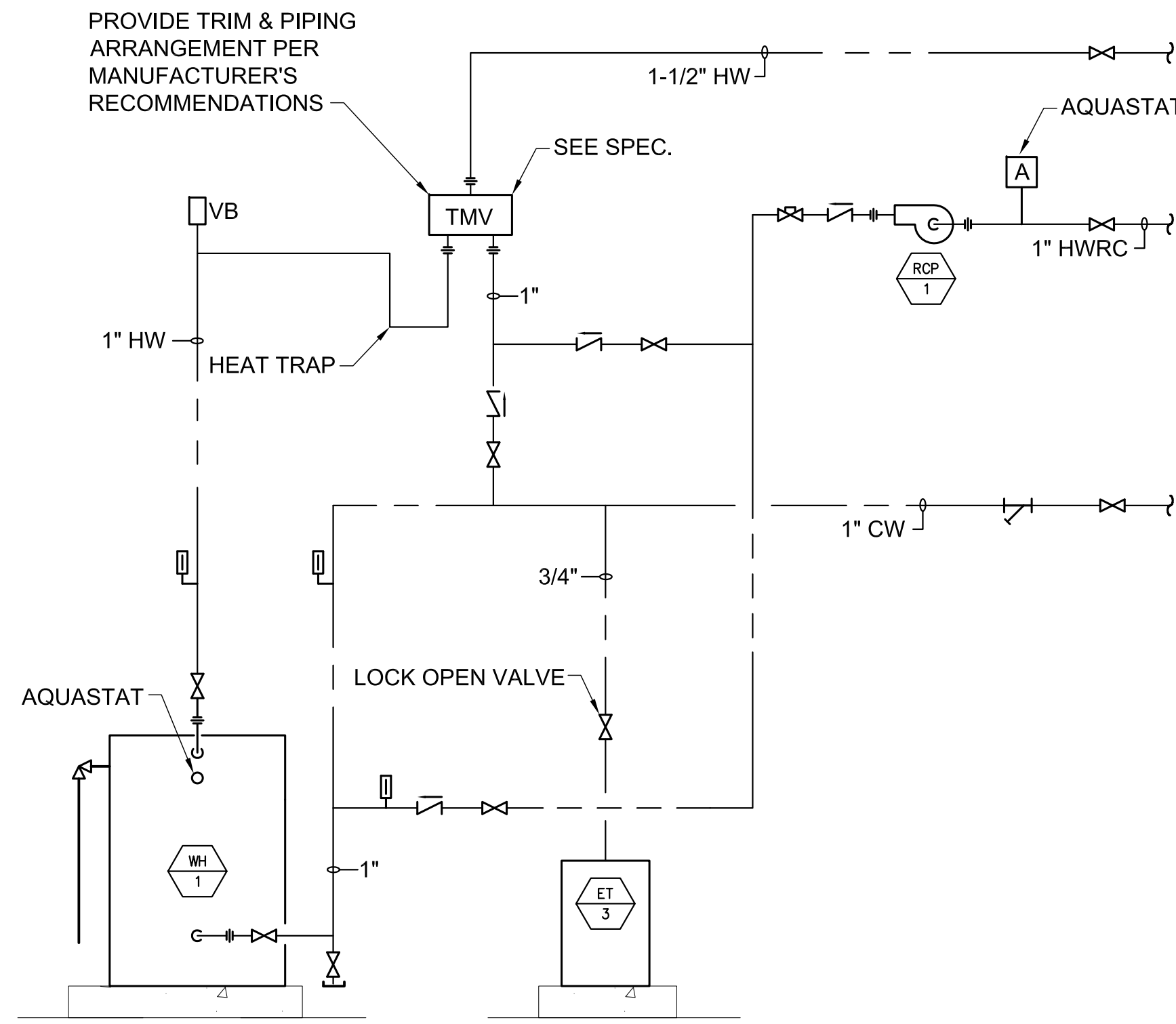


N:\Projects\2011\11022 - Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022P.dwg Apr 27, 2011 - 4:50pm

A1 PLUMBING SECOND FLOOR PLAN
 1/8" = 1'-0"

A7 PLUMBING PENTHOUSE FLOOR PLAN
 1/8" = 1'-0"





E1 DETAIL ~ DHW-1 PIPING SCHEMATIC

NONE

INDIRECT WATER DOMESTIC WATER HEATER SCHEDULE																		
TAG	MFR / MODEL	ENTERING CW °F	TEMP RISE DELTA °F	ENTERING BOILER WATER °F	LEAVING BOILER WATER °F	BOILER GPM	BOILER OUTPUT BTUH	1ST HOUR RECOVERY GALLONS (90F RISE)	STORAGE CAPACITY GALLONS	COLD WATER INLET	HOT WATER OUTLET	BOILER SUPPLY CONN.	BOILER SUPPLY CONN.	HEIGHT	DIAMETER	COIL TYPE	ELECTRICAL	WEIGHT SHIP'G
WH-1	AMTROL / WHS-120ZC DW	50	90	160	148	12	190,000	356	119	1"	1"	1" UNION	1" UNION	71"	28"	DOUBLE WALL	120/1 POWER FOR CONTROLLER	230 lb

PUMP SCHEDULE (Note: Grinder Pumps - separate schedule)										
TAG	SERVES	MAKE & MODEL	TYPE	GPM	HEAD	ELECTRICAL		INLET TYPE	DISCH SIZE	NOTES
						MOTOR HP	VOLTS/PH (60 Hz.)			
RCP-1	DHW RECIRC	TACO IL 0011	IN LINE	6	26	1/8	115/1	-----	-----	NOTE 1; 3/4" X 3/4" INLET/DISCH
SP-1	ELEV SUMP	ZOELLER M152	SUBMERSIBLE	53	15	0.4	115/1	EXIST	1-1/2"	NOTE 2, NOTE 3.

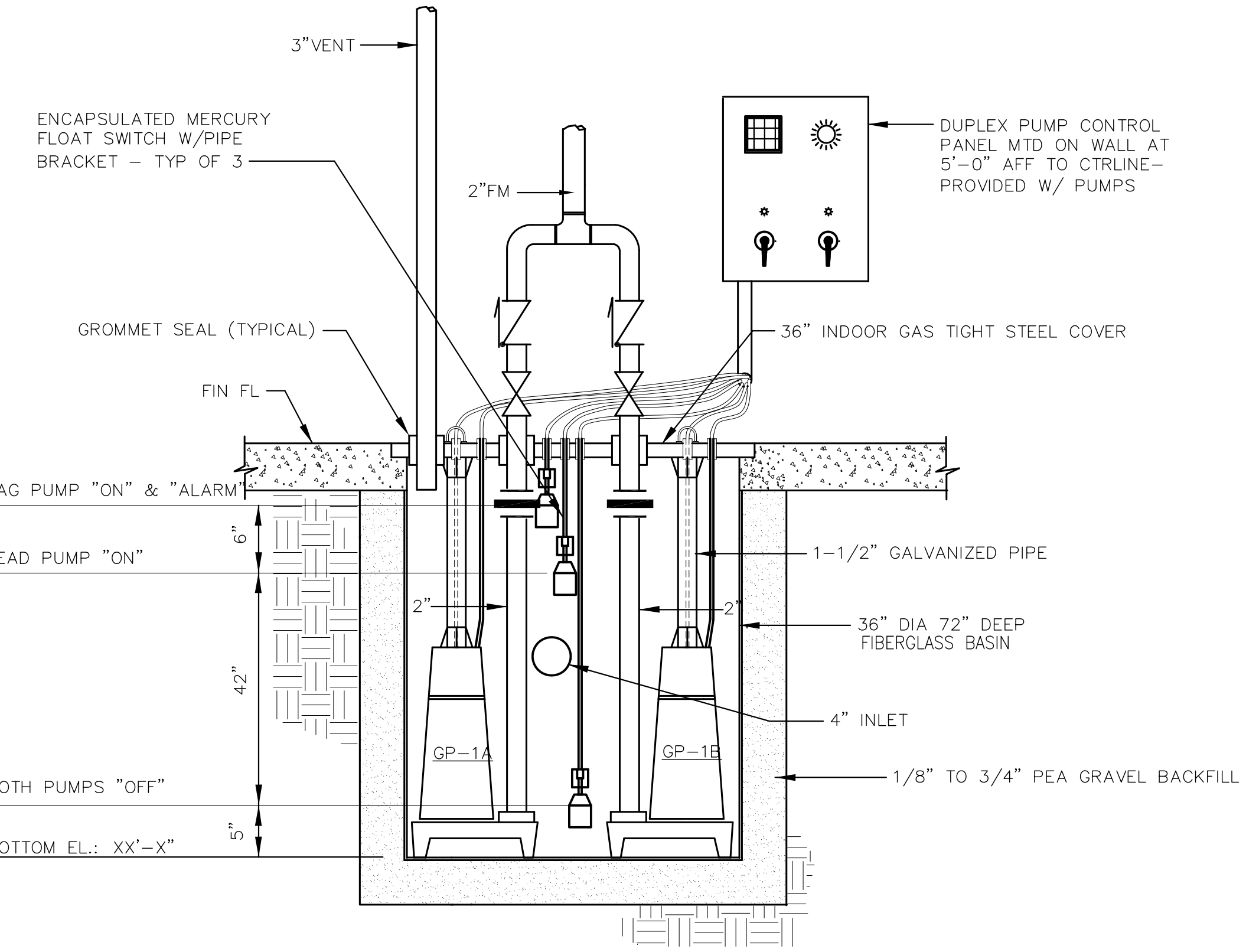
NOTES:
 1. POWER SUPPLY TO STARTER/CONTACTOR AND DISC SWITCH BY DIV 26. WIRE PUMP IN SERIES WITH AN IMMERSION AQUASTAT; WIRING FROM SWITCH TO AQUASTAT AND PUMP BY DIV 23.
 2. PLUG CONNECTIONS, COORDINATE LOCATION OF GFI OUTLETS.
 3. PROVIDE OIL SMART SYSTEM

GRINDER PUMP SCHEDULE												
TAG	SERVES	MAKE & MODEL	TYPE	GPM	HEAD	ELECTRICAL		BASIN				
						MOTOR HP	VOLTS/PH (60 Hz.)	DIA.	HEIGHT	INLET SIZE	DISCH SIZE	NOTES
GP-1	GROUND FLOOR	ZOELLER 7011 SHARK	PACKAGED DUPLEX GRINDER	30	25	2	208/3	36"	72"	4"	2"	

PLUMBING FIXTURE SCHEDULE							
TAG	DESCRIPTION	BRANCH SIZES				NOTES	
		CW	HW	VENT	WASTE		
P-1	WATER CLOSET-FLUSH VALVE, FLOOR MOUNT	1"	---	2"	3"	MANUAL - NON ELECTRIC	
P-2	LAVATORY, WALL MOUNT - BARRIER FREE	1/2"	1/2"	1 1/2"	2"	MANUAL - NON ELECTRIC	
WHYD	WALL HYDRANT	3/4"	---	---	---		
HB	HOSE BIBB	1/2"	---	---	---		

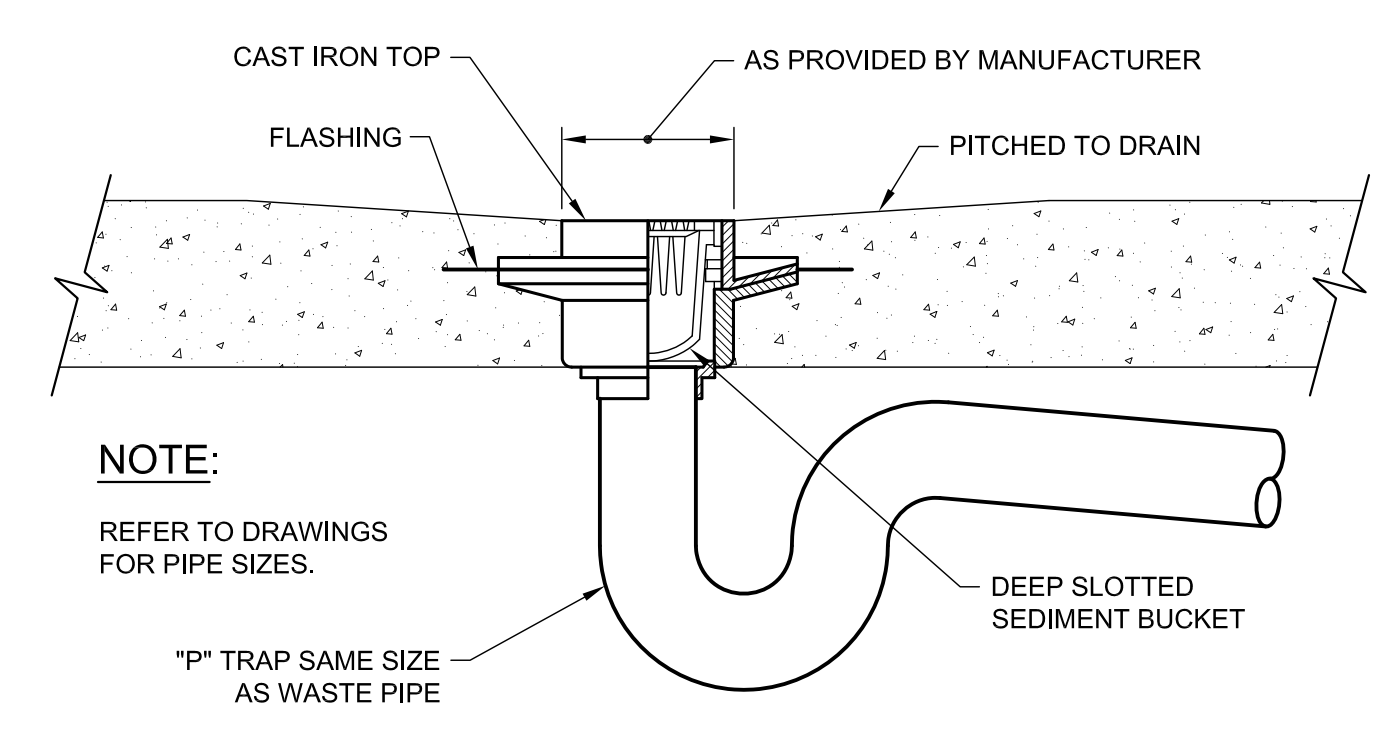
E5 PLUMBING ~ SCHEDULES

NONE



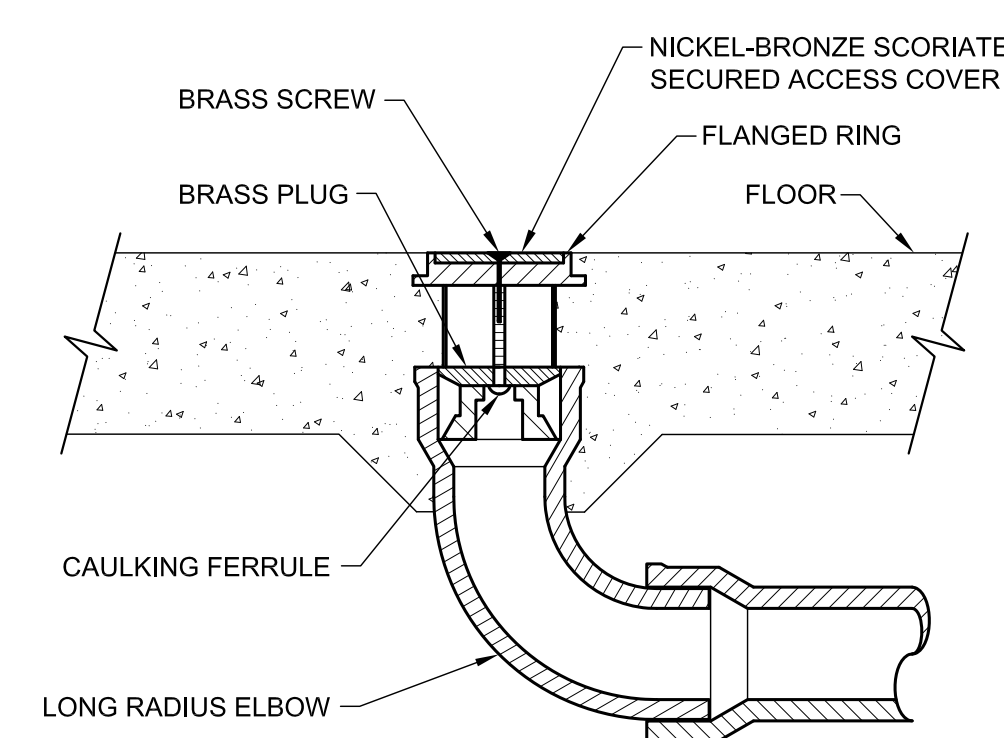
A1 DETAIL ~ GRINDER PUMP PIPING

NONE



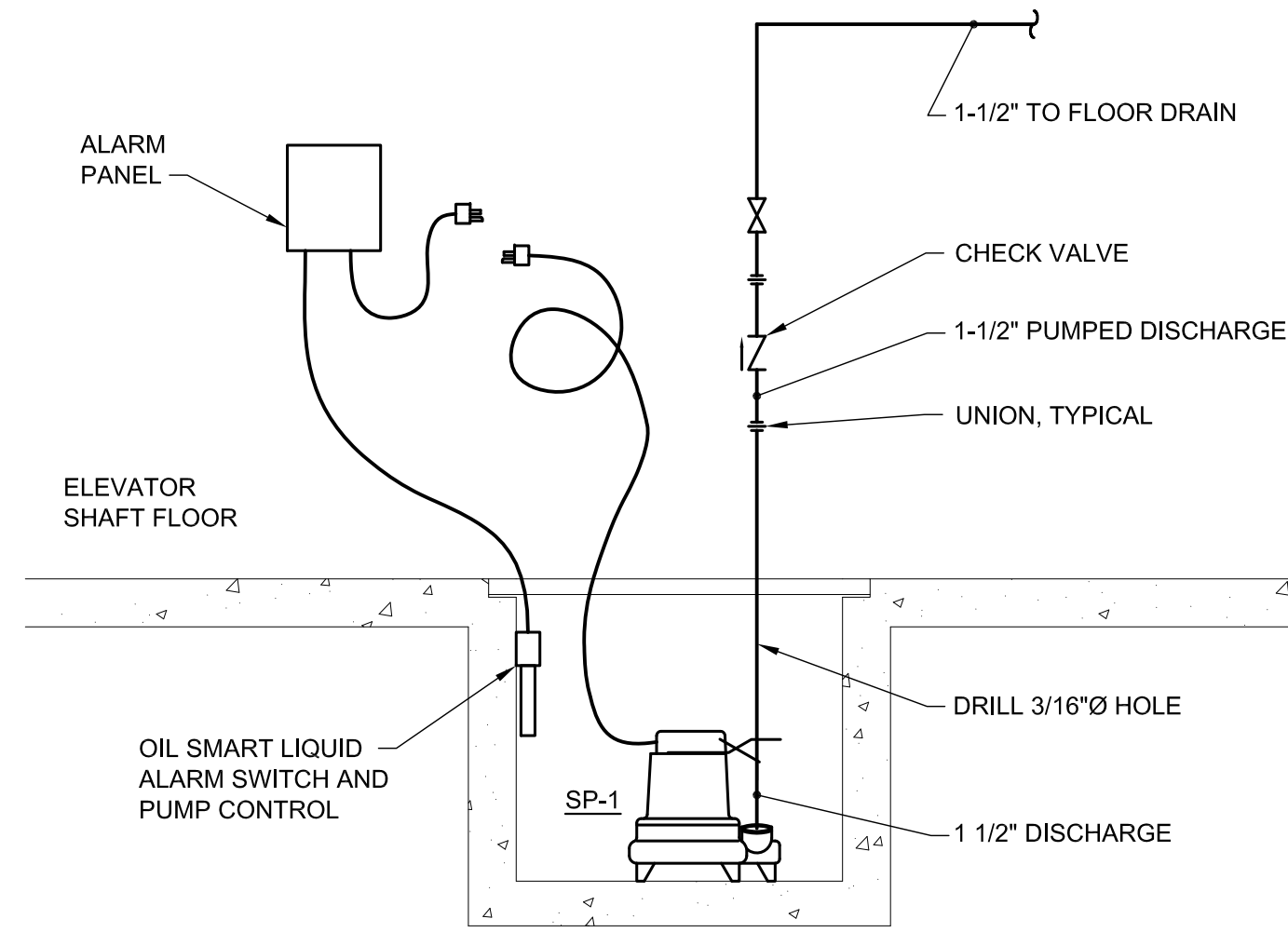
C5 DETAIL ~ FLOOR DRAIN

NONE



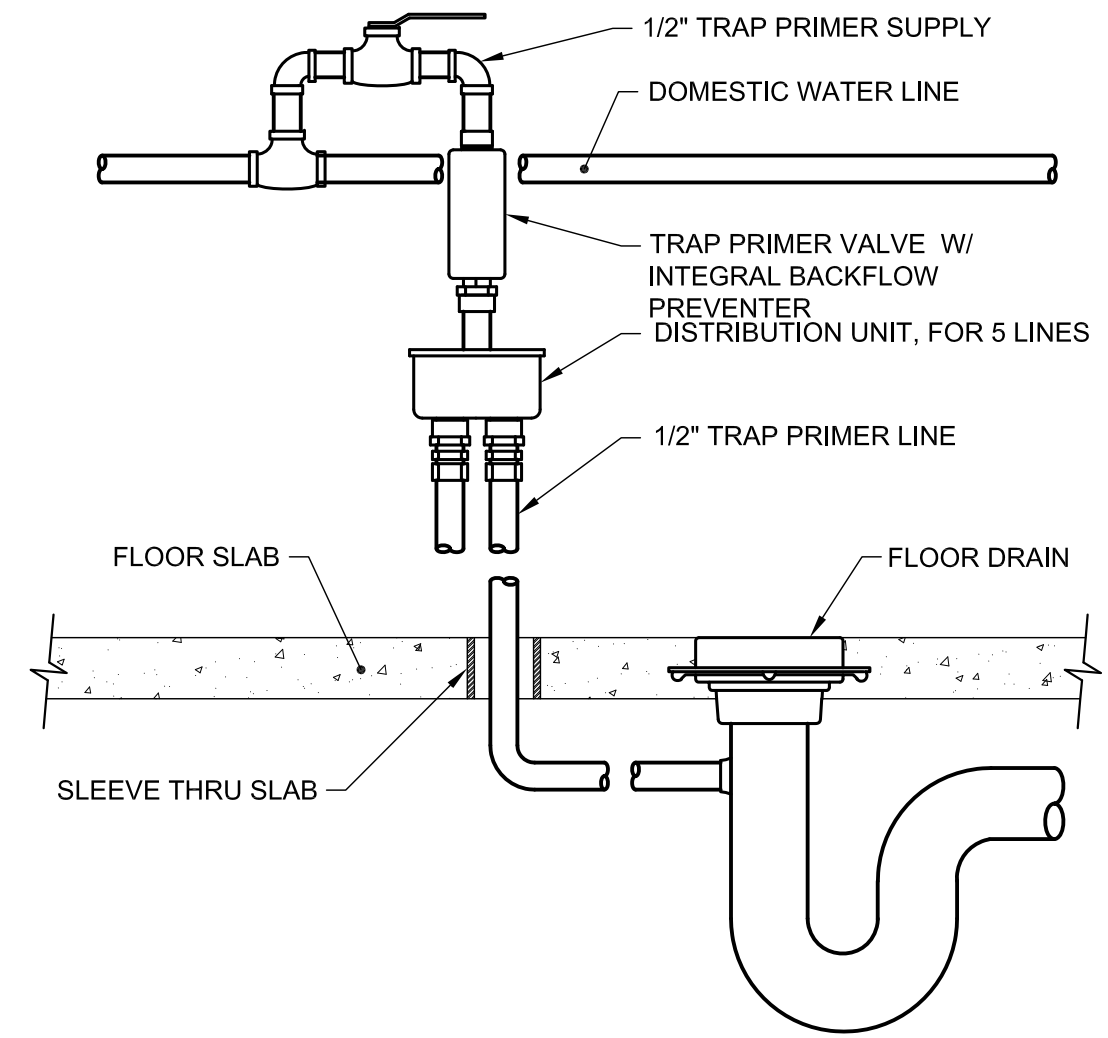
C8 DETAIL ~ FLOOR CLEANOUT

NONE



A5 DETAIL ~ ELEVATOR PIT SUMP PUMP

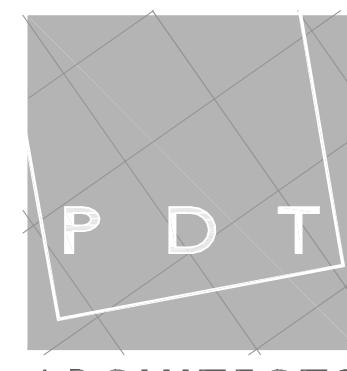
NONE



A8 DETAIL ~ TRAP PRIMER PIPING

NONE

N:\Projects\2011\11022 ~ Martin's Point Healthcare - Old Clinic Renovations\00 Drawing Files\11022P.dwg Apr 27, 2011 - 3:46pm



ARCHITECTS
 49 DARTMOUTH STREET
 PORTLAND, MAINE 04103
 207-775-1059
 www.pdtarchs.com

Allied Engineering
 Structural Mechanical
 Electrical Consulting

160 Veranda Street
 Portland, Maine 04103
 T: 207.221.2260
 F: 207.221.2266
 Web: www.allied-eng.com

allied Project No: 11-022

CAD File: 11-022P

MARTIN'S POINT - BUILDING 4
 SHELL AND CORE RETROFIT
 PORTLAND, MAINE



PDT JOB NO.

DRWN. CHK.

SCALE AS NOTED

ISSUE

TITLE
 PLUMBING
 SCHEDULES
 DETAILS AND NOTES

SHEET

PL-500

PERMIT SET ~ 26 APRIL 2011 - NOT FOR CONSTRUCTION