

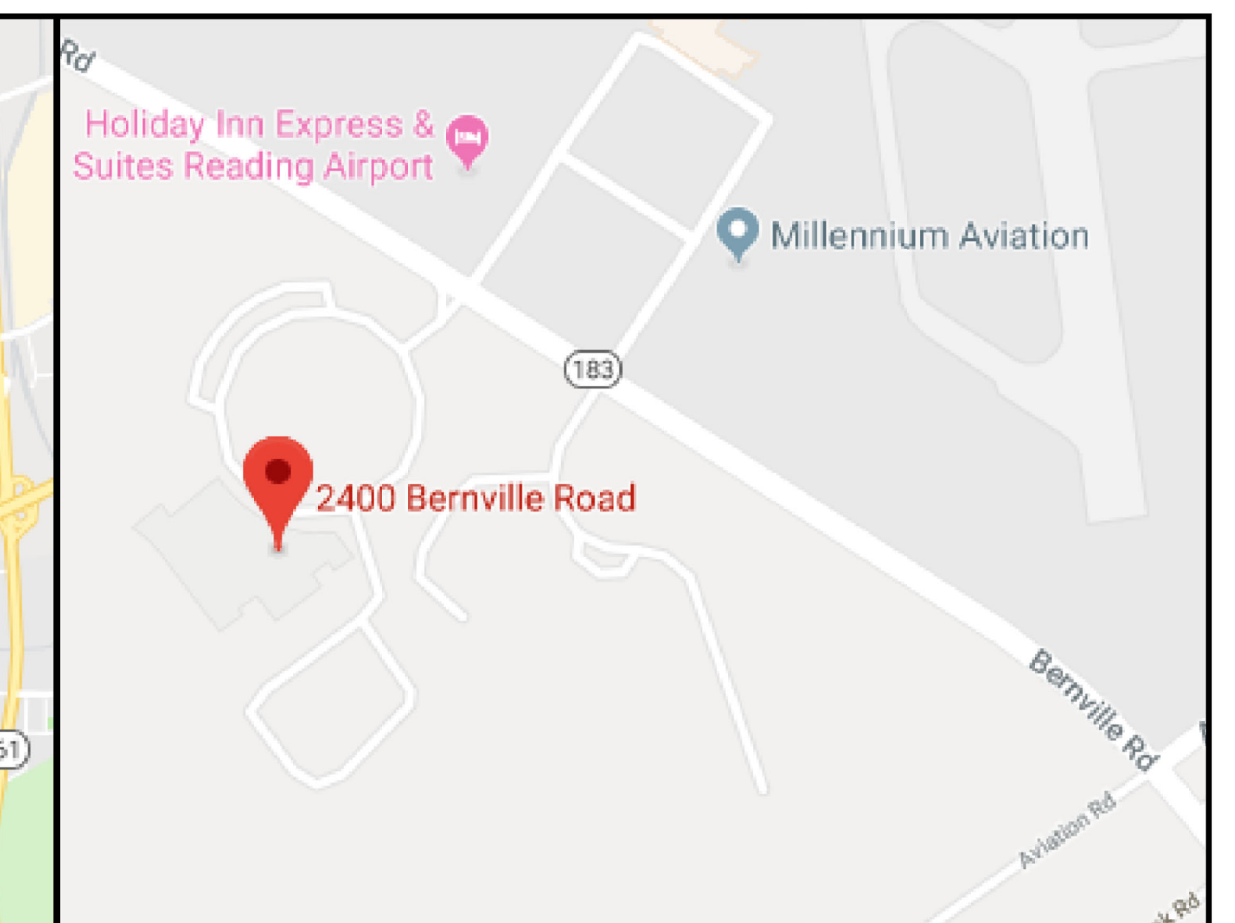
STEAM BOILER REPLACEMENT AT THE ENERSYS TECHNOLOGY CENTER

ENERSYS

BERNVILLE ROAD, BERN TOWNSHIP, BERKS COUNTY, PA



LOCATION MAP



SITE MAP

APPLICABLE CODES AS OF DATE OF DESIGN CONTRACT	CODE	DATE
INTERNATIONAL BUILDING CODE	2015	
INTERNATIONAL EXISTING BUILDING CODE	2015	
INTERNATIONAL FIRE CODE	2015	
INTERNATIONAL MECHANICAL CODE	2015	
INTERNATIONAL PLUMBING CODE	2015	
INTERNATIONAL ENERGY CONSERVATION CODE	2015	
	NEC	2015
	ICC ANS I A117.1	2009
	IBC CHAPTER 11	2015

ABBREVIATIONS	
AC - ACoustical	HORIZ - HORIZONTAL
ALUM - ALUMINUM	HM - HOLLOW METAL
AT - ALUMINUM THRESHOLD	L - LOW
CG - CORNER GUARD	MAX - MAXIMUM
CJ - CONTROL JOINT	MFR - MANUFACTURER
CMU - CONCRETE MASONRY UNIT	MIN - MINIMUM
CONC - CONCRETE	MO - MASONRY OPENING
COORD - COORDINATE	MT - MARBLE THRESHOLD
D - DEPTH	NC - NOT IN CONTRACT
DEMO - DEMOLITION	OC - ON CENTER
DM - DIAMETER	PTD - PAINTED
DN - DOWN	R - RADIUS
DS - DOWNSPOUT	REIN - REINFORCED
ELEV - ELEVATION	RO - ROUGH OPENING
EQ - EQUAL	SF - SQUARE FEET
EW - EACHWAY	SS - STAINLESS STEEL
EW - ELECTRIC WATER COOLER	TYP - TYPICAL
EXIST - EXISTING	UNO - UNLESS NOTED OTHERWISE
EXP - IT - EXPANSION JOINT	V - VERTICAL
FD - FLOOR DRAIN	VIF - VERIFY IN FIELD
GALV - GALVANIZED	VTR - VENT TO ROOF
GYP BD - GYPSUM BOARD	W - WIDE
H - HIGH	WD - WOOD

LEGEND	
DESCRIPTION	SYMBOL
DOOR EGRESS TAG	
ACTUAL EGRESS LOAD	###
EGRESS CAPACITY ALLOWED BY CODE	###
OCCUPANCY ROOM TAG	R/L NAME
FUNCTION OF SPACE	R/L NO
FLOOR AREA IN SQ. FT. PER OCCUPANT	SF SF/OCC
AREA OF SPACE IN SQUARE FEET	SF
OCCUPANT CAPACITY ALLOWED BY CODE	CODE OCC. #
DESIGN OCCUPANT CAPACITY	DESIGN OCC. #
EGRESS LINE TYPES	
PATH OF EGRESS	
NOTE 1: () DEPICTS DIRECTION OF TRAVEL	
NOTES:	
1. EGRESS PATHS SHOWN ARE THE LONGEST FROM EACH SPACE	
EXTERIOR AREA FOR ASSISTED RESCUE	
FIRE RATING LINE TYPES	
ONE HOUR RATING	----
TWO HOUR RATING	-----
THREE HOUR RATING	-----
NOTES:	
ALL NEW FIRE RATED BARRIERS, PARTITIONS, AND HORIZONTAL ASSEMBLIES SHALL BE IDENTIFIED PER SPECIFICATION SECTION SECTIONS 07 84 13, 07 84 43 3.4 IDENTIFICATION AND IBC 2015 SECTION 703 MARKING AND IDENTIFICATION	
ALL FIRE RATINGS INDICATED ON THIS DRAWING SHALL BE FIRE BARRIERS.	

GENERAL NOTES	
1. WORST CASE CODE OCCUPANCY CALCULATIONS ARE USED TO DETERMINE ALL EGRESS AND EXITING CAPACITIES.	

IBC 2015 - CHAPTER 5 - CLASSIFICATION OF WORK

SECTION 503 ALTERATION - LEVEL 1
SECTION 503.1 SCOPE
LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE.

SECTION 503.2 APPLICATION
LEVEL 1 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 7.

SECTION 504 ALTERATION - LEVEL 2
SECTION 504.1 SCOPE
LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY EQUIPMENT.

SECTION 504.2 APPLICATION
LEVEL 2 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 7 FOR LEVEL 1 ALTERATIONS AS WELL AS THE PROVISIONS OF CHAPTER 8.

IBC 2015 - CHAPTER 10 - MEANS OF EGRESS

SECTION 1008 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
SECTION 1009.2.2.1 BOILER, INCINERATOR AND FURNACE ROOMS
TWO EXIT ACCESS DOORWAYS ARE REQUIRED IN BOILER, INCINERATOR AND FURNACE ROOMS WHERE THE AREA IS OVER 500 SQUARE FEET AND ANY FUEL-FIRED EQUIPMENT EXCEEDS 400,000 BTU INPUT CAPACITY. WHERE TWO EXIT ACCESS DOORWAYS ARE REQUIRED, ONE IS PERMITTED TO BE A FIXED LADDER OR AN ALTERNATING TREAD DEVICE. EXIT ACCESS DOORWAYS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE EQUAL TO ONE HALF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE ROOM.

IBC 2015 - CHAPTER 7 - ALTERATIONS LEVEL 1

SECTION 702 BUILDING ELEMENTS AND MATERIALS
SECTION 702.1 INTERIOR FINISHES
ALL NEWLY INSTALLED INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE IBC.

SECTION 702.2 INTERIOR FLOOR FINISH
NEW INTERIOR FLOOR FINISH, INCLUDING NEW CARPETING USED AS AN INTERIOR FLOOR FINISH MATERIAL, SHALL COMPLY WITH SECTION 804 OF THE IBC.

SECTION 702.3 INTERIOR TRIM
ALL NEWLY INSTALLED INTERIOR TRIM MATERIALS SHALL COMPLY WITH SECTION 806 OF THE IBC.

SECTION 702.5 MATERIALS AND METHODS
ALL NEW WORK SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS IN THE INTERNATIONAL BUILDING CODE, INTERNATIONAL ENERGY CONSERVATION CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE, AS APPLICABLE, THAT SPECIFY MATERIAL STANDARDS, DETAILS OF INSTALLATION AND CONNECTION, JOINTS, PENETRATIONS, AND CONTINUITY OF ANY ELEMENT, COMPONENT, OR SYSTEM IN THE BUILDING.

SECTION 703 FIRE PROTECTION
SECTION 703.1 GENERAL
ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED.

SECTION 704 MEANS OF EGRESS
SECTION 704.1 GENERAL
ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

SECTION 705 ACCESSIBILITY
SECTION 705.1 GENERAL
A FACILITY THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE PROVISIONS IN SECTIONS 705.1.1 THROUGH 705.1.14, AND CHAPTER 11 OF THE IBC UNLESS IT IS TECHNICALLY INFEASIBLE. WHERE COMPLIANCE WITH THIS SECTION IS TECHNICALLY INFEASIBLE, THE ALTERATION SHALL PROVIDE ACCESS TO THE MAXIMUM EXTENT THAT IS TECHNICALLY FEASIBLE.

SECTION 706.1 MINIMUM REQUIREMENTS
LEVEL 1 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE. THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

IBC 2015 - CHAPTER 8 - ALTERATIONS LEVEL 2

SECTION 804 FIRE PROTECTION
SECTION 804.2 AUTOMATIC SPRINKLER SYSTEM
AUTOMATIC SPRINKLER SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 804.2.1 THROUGH 804.2.3. - BUILDING IS EQUIPPED WITH AN EXISTING AUTOMATIC SPRINKLER SYSTEM.

SECTION 807 STRUCTURAL
SECTION 807.2 NEW STRUCTURAL ELEMENTS
NEW STRUCTURAL ELEMENTS IN ALTERATIONS, INCLUDING CONNECTIONS AND ANCHORAGE, SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE.

SECTION 807.3 MINIMUM DESIGN LOADS
THE MINIMUM DESIGN LOADS ON EXISTING ELEMENTS OF A STRUCTURE THAT DO NOT SUPPORT ADDITIONAL LOADS AS A RESULT OF AN ALTERATION SHALL BE THE LOADS APPLICABLE AT THE TIME THE BUILDING WAS CONSTRUCTED.

SECTION 811 ENERGY CONSERVATION
SECTION 811.1 MINIMUM REQUIREMENTS
LEVEL 2 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE. THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

IBC 2015 - CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

SECTION 509 INCIDENTAL USES
SECTION 509.1 GENERAL
INCIDENTAL USES LOCATED WITHIN SINGLE OCCUPANCY OR MIXED OCCUPANCY BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF THIS SECTION. INCIDENTAL USES ARE ANCLARY FUNCTIONS ASSOCIATED WITH A GIVEN OCCUPANCY THAT GENERALLY POSE A GREATER LEVEL OF RISK TO THAT OCCUPANCY AND ARE LIMITED TO THOSE USES LISTED IN TABLE 509.

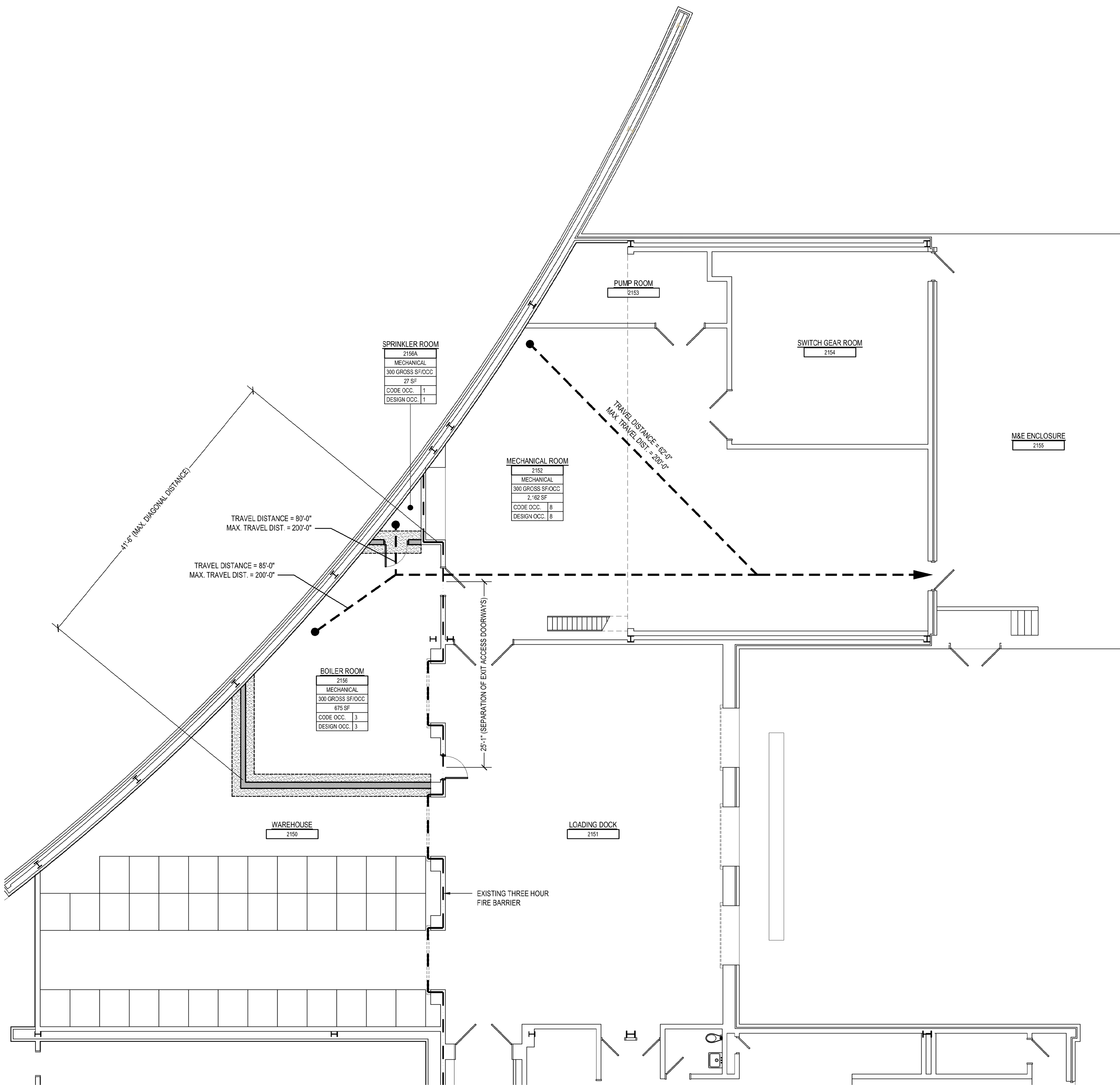
SECTION 509.3 AREA LIMITATIONS
INCIDENTAL USES SHALL NOT OCCUPY MORE THAN 10 PERCENT OF THE BUILDING AREA OF THE STORY IN WHICH THEY ARE LOCATED.

SECTION 509.4 SEPARATION AND PROTECTION
THE INCIDENTAL USES LISTED IN TABLE 509 SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING OR EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM, OR BOTH, IN ACCORDANCE WITH THE PROVISIONS OF THAT TABLE.

SECTION 509.4.2 PROTECTION
WHERE TABLE 509 PERMITS AN AUTOMATIC SPRINKLER SYSTEM WITHOUT A FIRE BARRIER, THE INCIDENTAL USES SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE WALLS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR ASSEMBLY BELOW TO THE UNDERSIDE OF THE CEILING THAT IS A COMPONENT OF A FIRE RESISTANCE RATED FLOOR ASSEMBLY OR ROOF ASSEMBLY ABOVE OR TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, DECK OR SLAB ABOVE. DOORS SHALL BE SELF-CLOSING OR AUTOMATIC CLOSING UPON DETECTION OF SMOKE IN ACCORDANCE WITH SECTION 716.5.3.3. DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF THE CLEARANCE PERMITTED IN ACCORDANCE WITH NFPA 90. WALLS SURROUNDING THE INCIDENTAL USE SHALL NOT HAVE AIR TRANSFER OPENINGS UNLESS PROVIDED WITH SMOKE DAMPERS IN ACCORDANCE WITH SECTION 710.6.

TABLE 509 INCIDENTAL USES

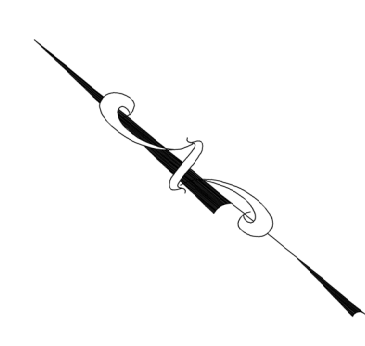
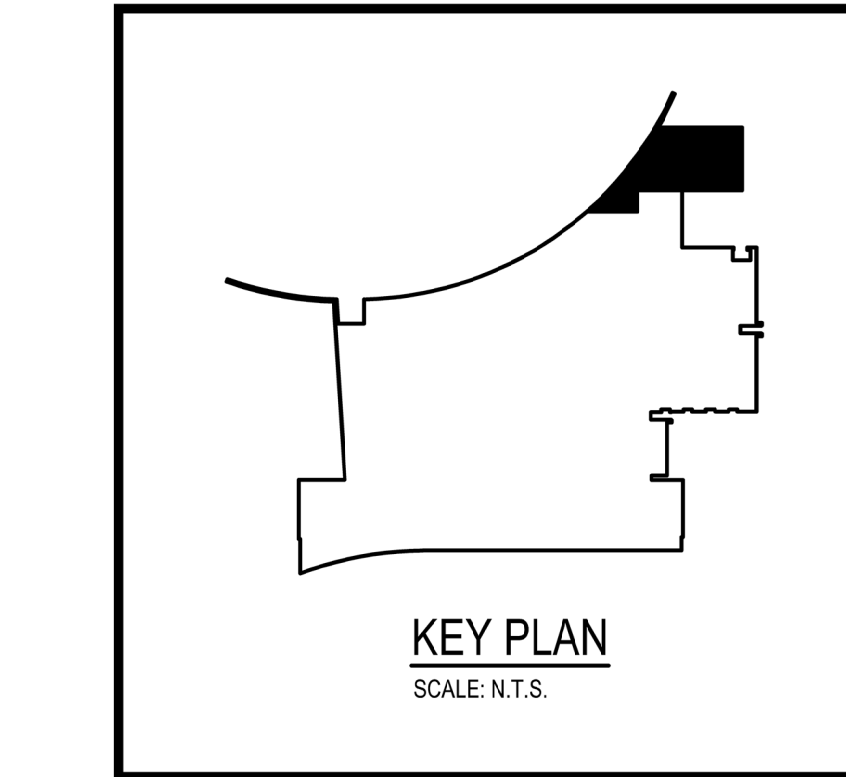
ROOM OR AREA	SEPARATION AND/OR PROTECTION
ROOMS WITH BOILERS	1 HOUR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM
OVER 15 PSI AND 10 HORSEPOWER	



CODE REVIEW PLAN
SCALE: 1/8" = 1'-0"

DRAWING INDEX

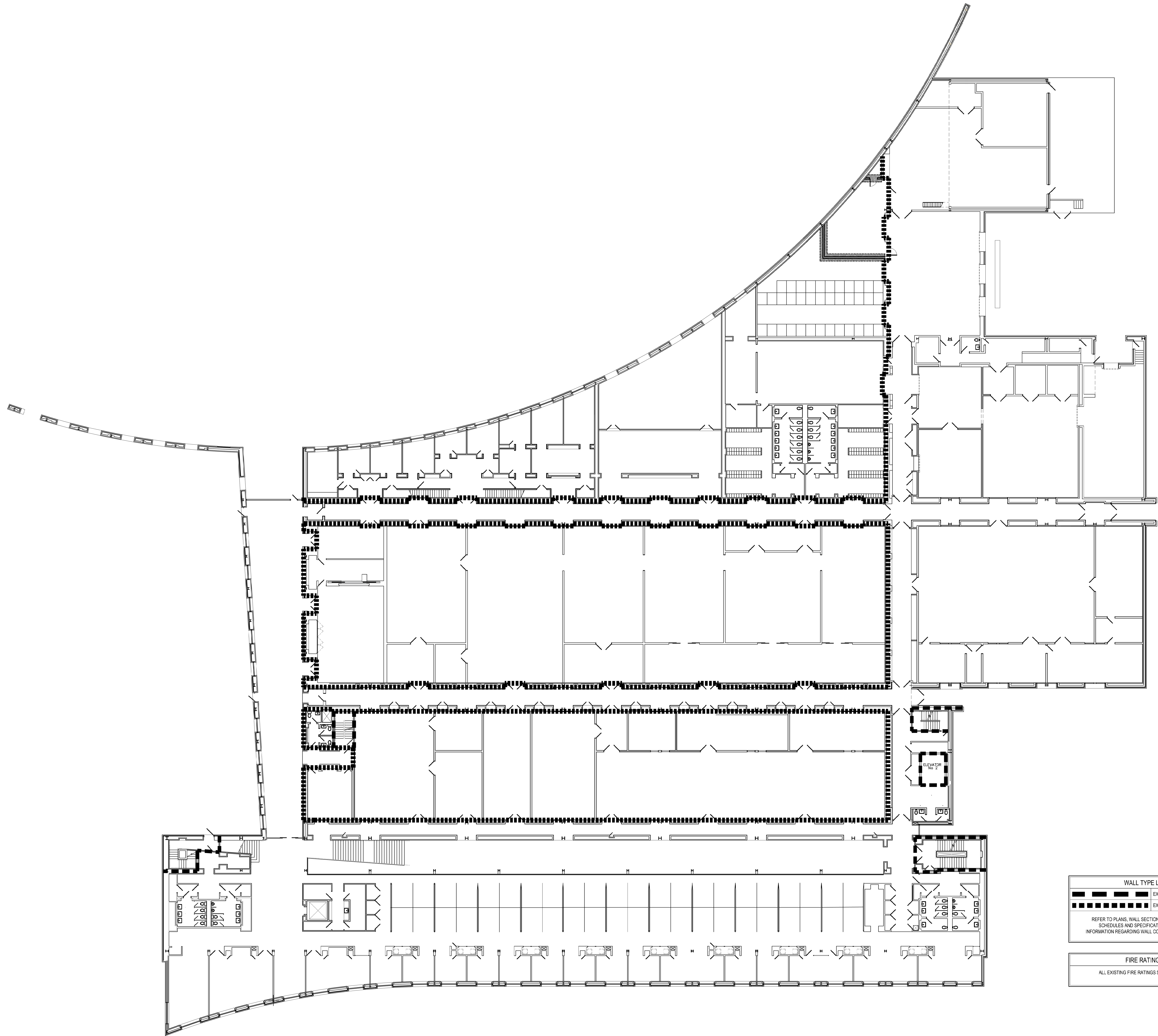
- ARCHITECTURAL**
- A-0 COVER SHEET AND CODE REVIEW
 - A-0A SECOND FLOOR FIRE RATING PLAN
 - A-1 1/4" DEMOLITION PLAN
 - A-2 1/4" FLOOR PLAN AND DETAILS
 - A-3 1/4" ROOF PLAN
 - A-3A ROOF DETAILS
 - A-4 WALL SECTIONS AND DETAILS
 - A-5 DOOR SCHEDULE AND DETAILS
- HVAC**
- H-1 HVAC LEVEL 2 - AREA 'C' DEMOLITION
 - H-2 HVAC LEVEL 3 - AREA 'A' DEMOLITION
 - H-3 HVAC LEVEL 3 - AREA 'B' DEMOLITION
 - H-4 HVAC LEVEL 3 - AREA 'C' DEMOLITION
 - H-5 HVAC LEVEL 2 - AREA 'C'
 - H-6 HVAC LEVEL 3 - AREA 'A'
 - H-7 HVAC LEVEL 3 - AREA 'B'
 - H-8 HVAC LEVEL 3 - AREA 'C'
 - H-9 HVAC SCHEMATIC AND BOILER ROOM LAYOUT
 - H-10 HVAC SCHEDULES
 - H-11 HVAC DETAILS
- ELECTRICAL**
- E-1 ELECTRICAL LEVEL 2 - AREA 'C' DEMOLITION
 - E-2 ELECTRICAL LEVEL 3 - AREA 'A' DEMOLITION
 - E-3 ELECTRICAL LEVEL 3 - AREA 'B' DEMOLITION
 - E-4 ELECTRICAL LEVEL 3 - AREA 'C' DEMOLITION
 - E-5 ELECTRICAL LEVEL 2 - AREA 'C'
 - E-6 ELECTRICAL LEVEL 3 - AREA 'A'
 - E-7 ELECTRICAL LEVEL 3 - AREA 'B'
 - E-8 ELECTRICAL LEVEL 3 - AREA 'C'
 - E-9 BOILER ROOM LAYOUT - ELECTRICAL
 - E-10 ELECTRICAL SITE PLAN
 - E-11 ELECTRICAL OVERALL BUILDING PLAN - LEVEL 2
 - E-12 ELECTRICAL OVERALL BUILDING PLAN - LEVEL 1





AEM ARCHITECTS INC.
3700 PERKINOMEN AVENUE, READING, PA 19606-2795
Phone: 610.775.3220 www.aemarchi.com

COVER SHEET AND CODE REVIEW
STEAM BOILER REPLACEMENT FOR
ENERSYS
2366 BERNVILLE ROAD, BERN TOWNSHIP, BERKS COUNTY, PENNSYLVANIA

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
JOB NO.: 18037.03
DRAWN BY: MFS
DATE: 07.23.20

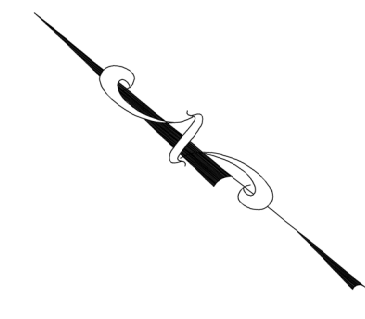


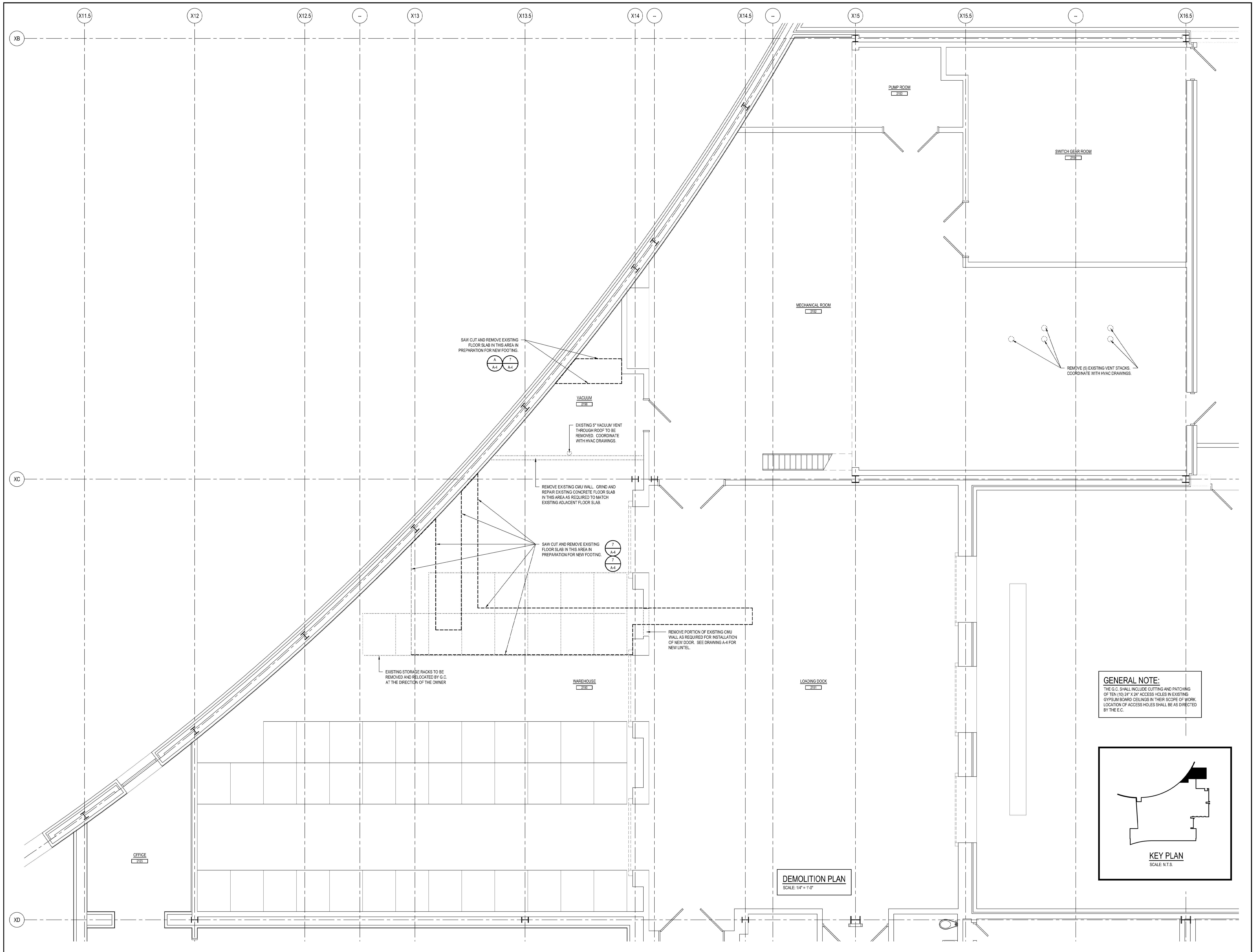
SECOND FLOOR FIRE RATING PLAN
SCALE: 1/16" = 1'-0"

WALL TYPE LEGEND	
	EXISTING 2 HR RATED FIRE BARRIER
	EXISTING 3 HR RATED FIRE BARRIER

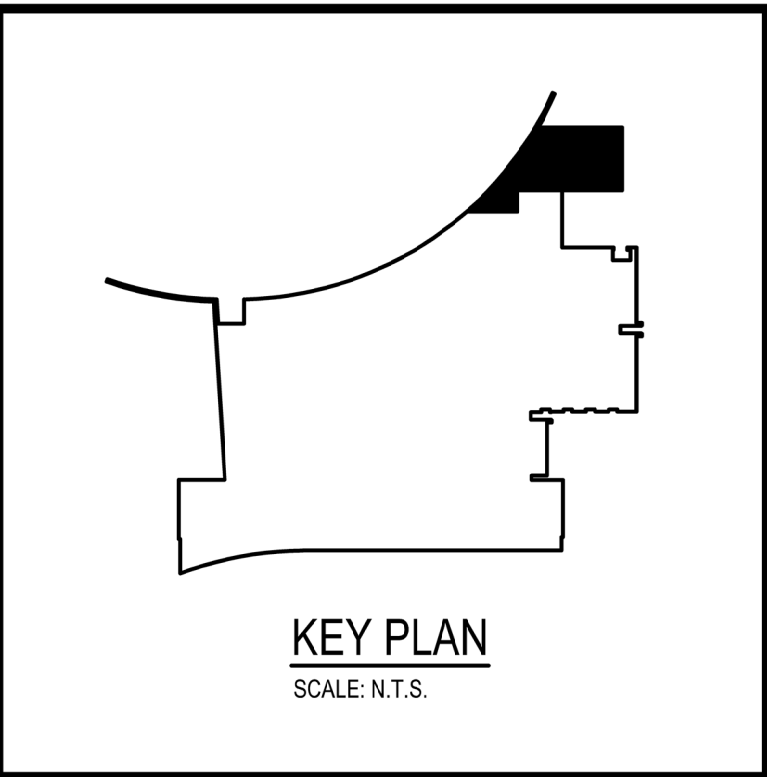
REFER TO PLANS, WALL SECTIONS, DETAILS, ROOM FINISH SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING WALL CONSTRUCTION AND FINISHES.

FIRE RATING NOTE
ALL EXISTING FIRE RATINGS SHALL BE MAINTAINED.

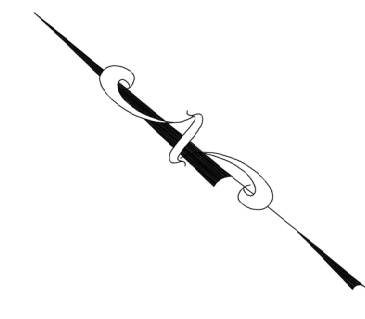




GENERAL NOTE:
 THE G.C. SHALL INCLUDE CUTTING AND PATCHING OF TEN (10) 24" X 24" ACCESS HOLES IN EXISTING GYPSUM BOARD CEILINGS IN THEIR SCOPE OF WORK. LOCATION OF ACCESS HOLES SHALL BE AS DIRECTED BY THE E.C.



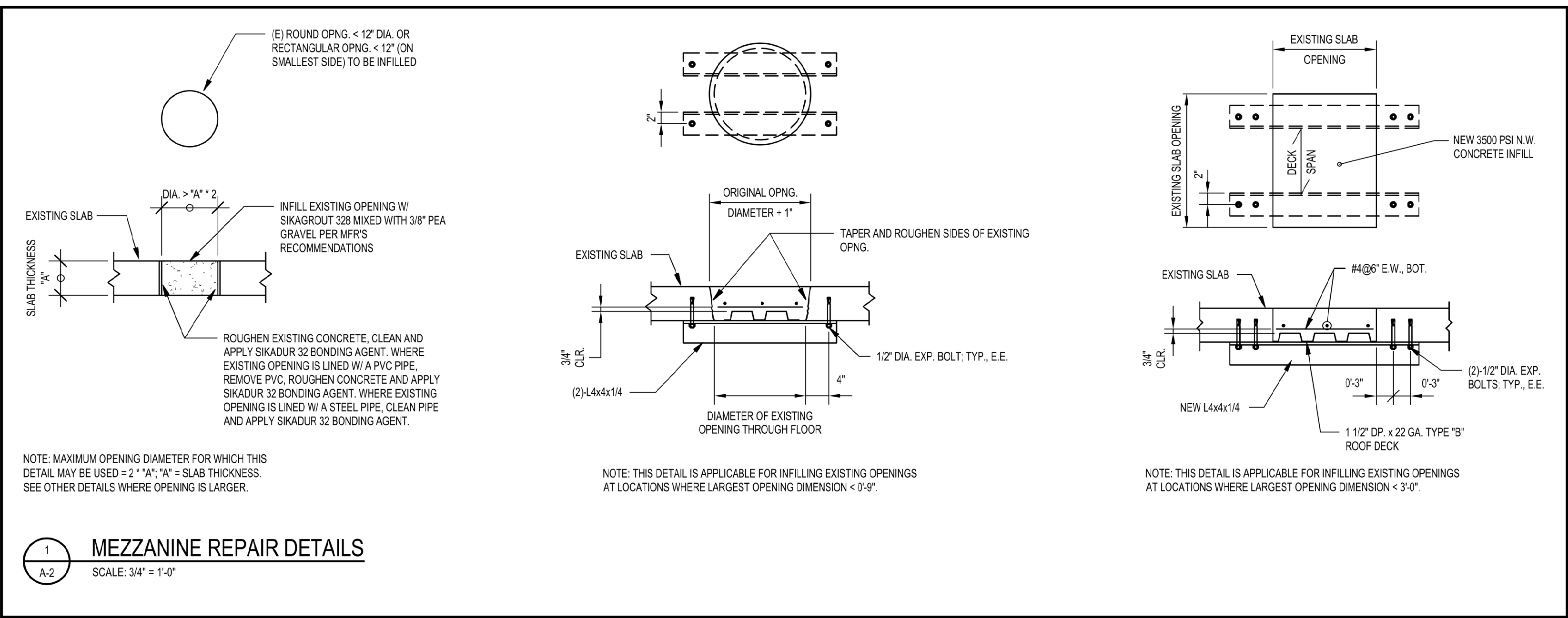
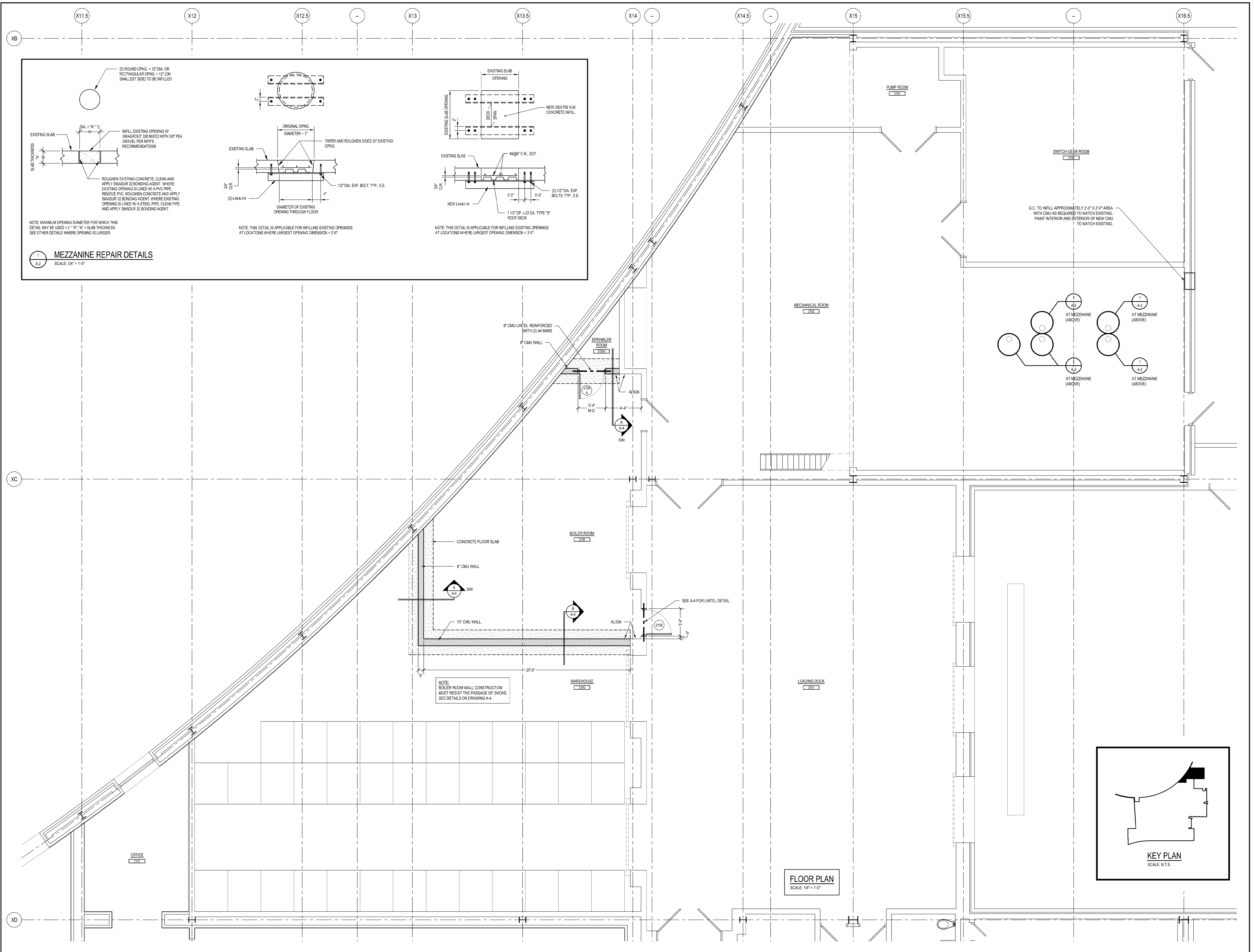
DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"



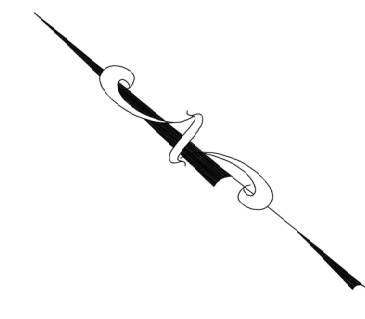
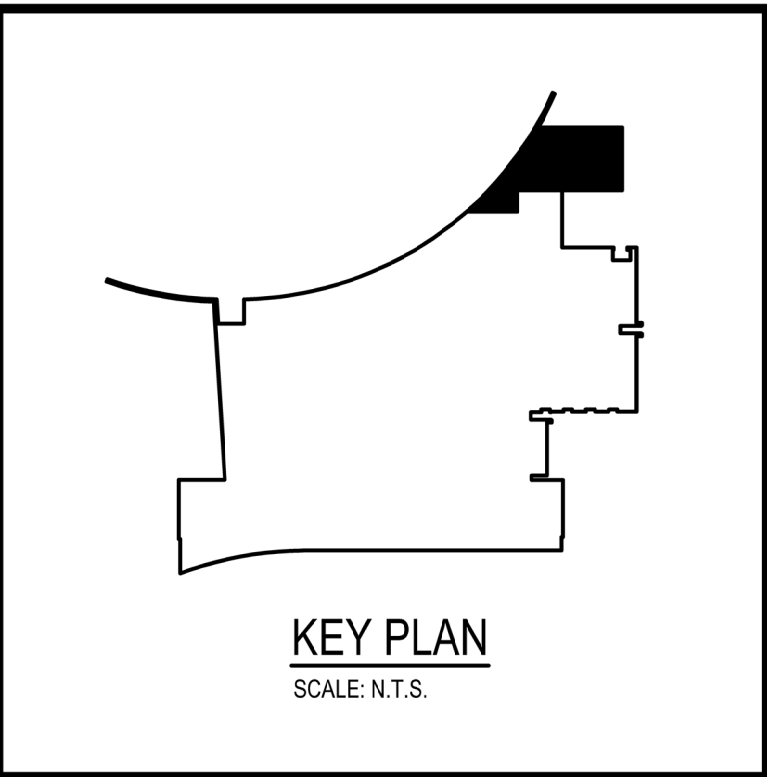
AEM ARCHITECTS INC.
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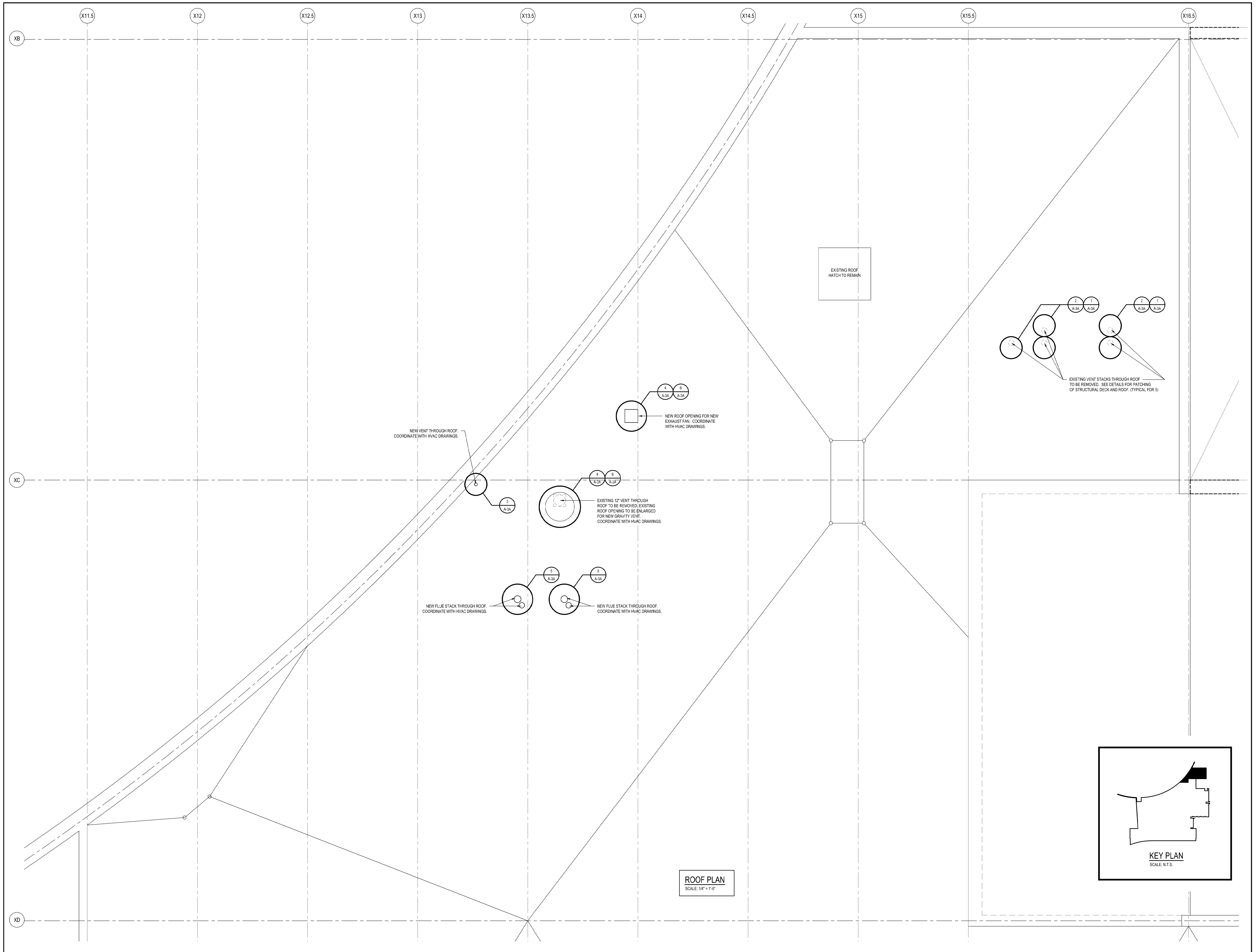
1/4" DEMOLITION PLAN
STEAM BOILER REPLACEMENT FOR
ENERSYS
 2366 BERNVILLE ROAD, BERN TOWNSHIP, BERKS COUNTY, PENNSYLVANIA

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
 JOB NO.: 18037.03
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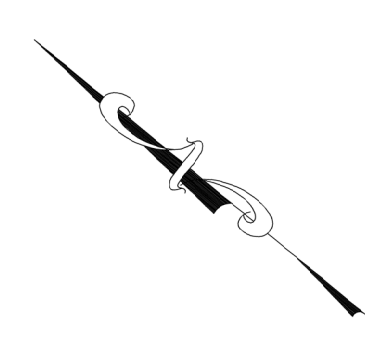
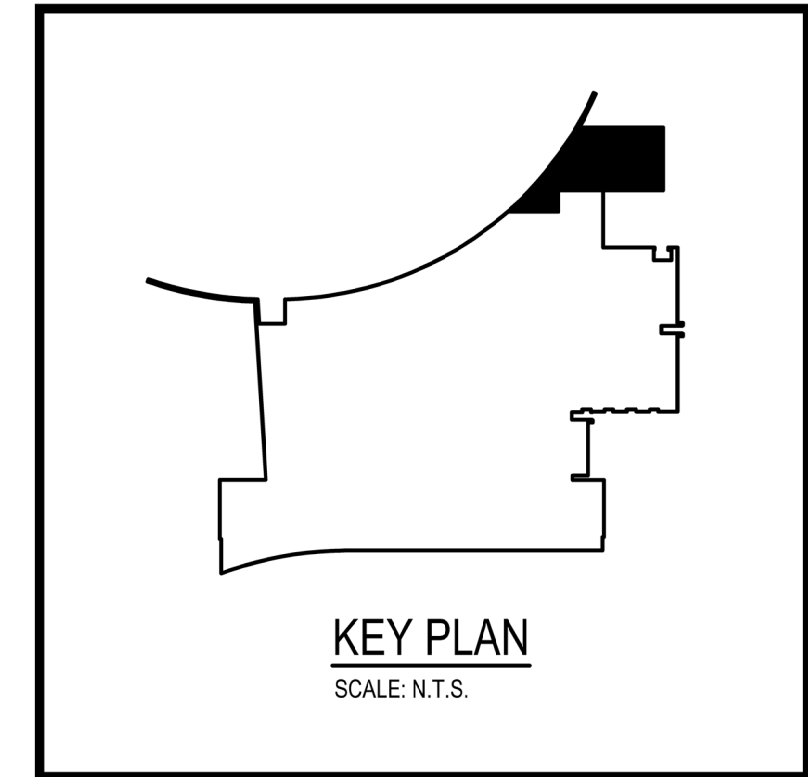


FLOOR PLAN
SCALE: 1/4" = 1'-0"





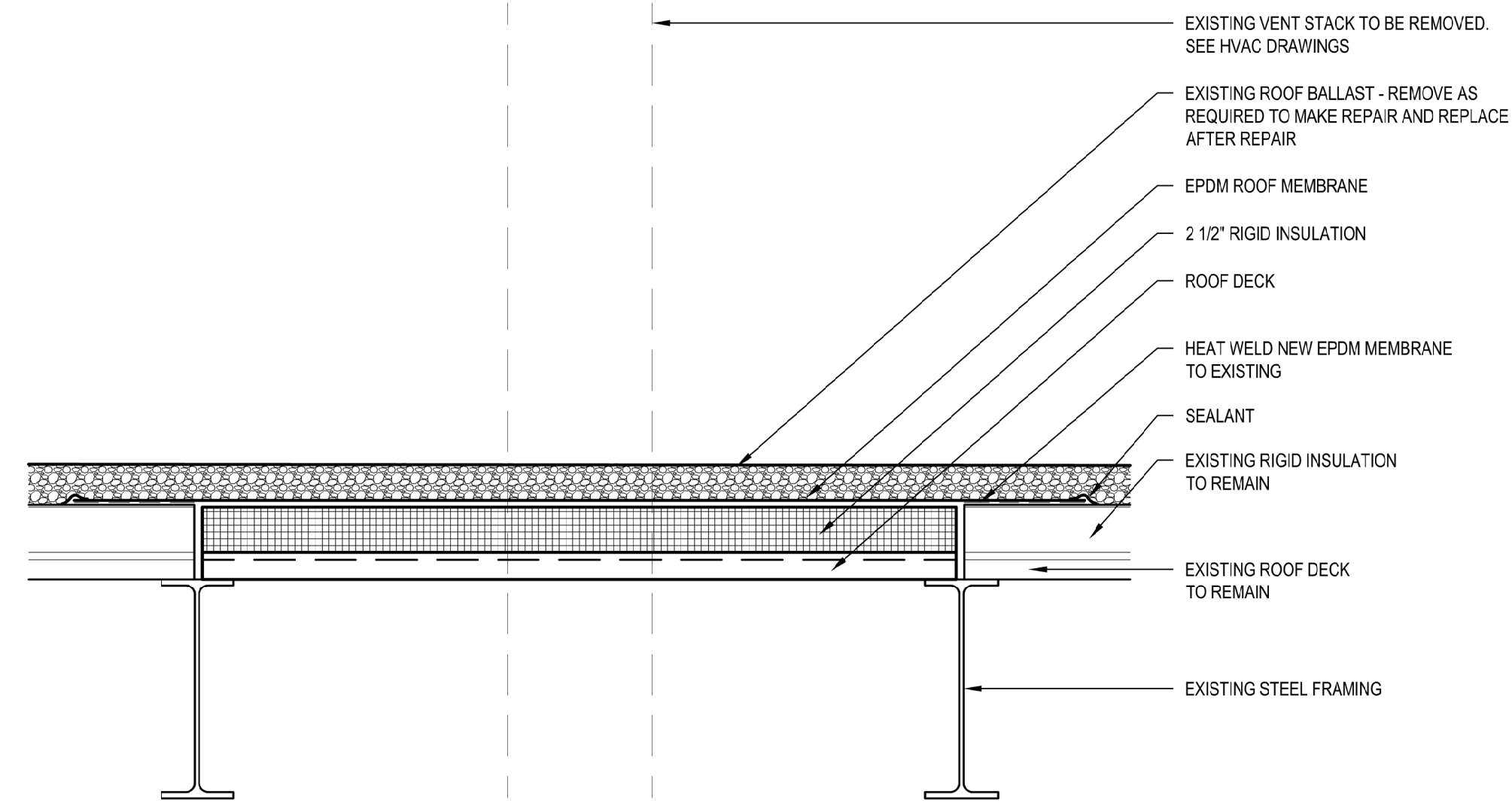
ROOF PLAN
SCALE: 1/4" = 1'-0"



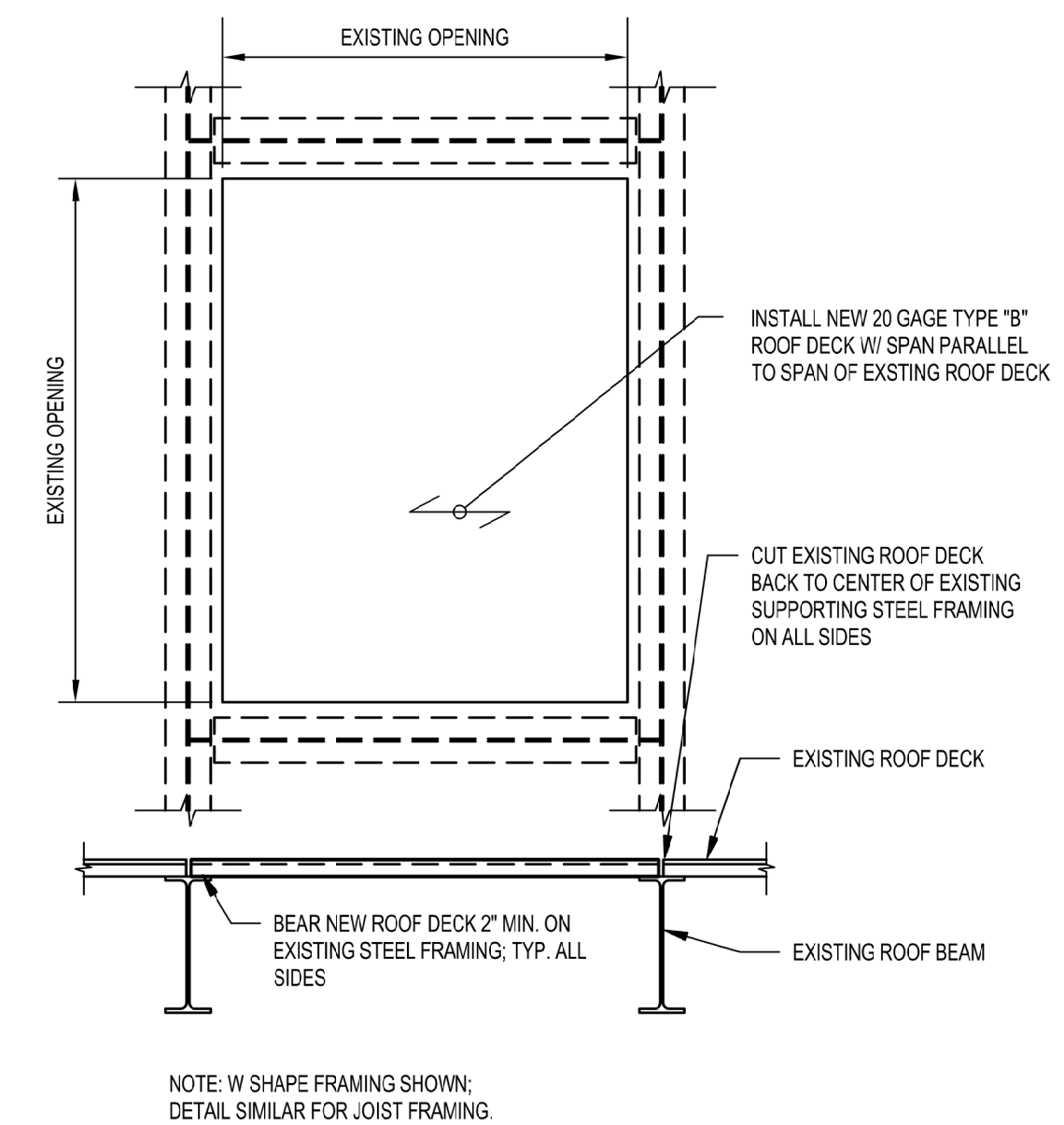
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1/4" ROOF PLAN
STEAM BOILER REPLACEMENT FOR ENERSYS
2366 BERNVILLE ROAD, BERN TOWNSHIP, BERKS COUNTY, PENNSYLVANIA

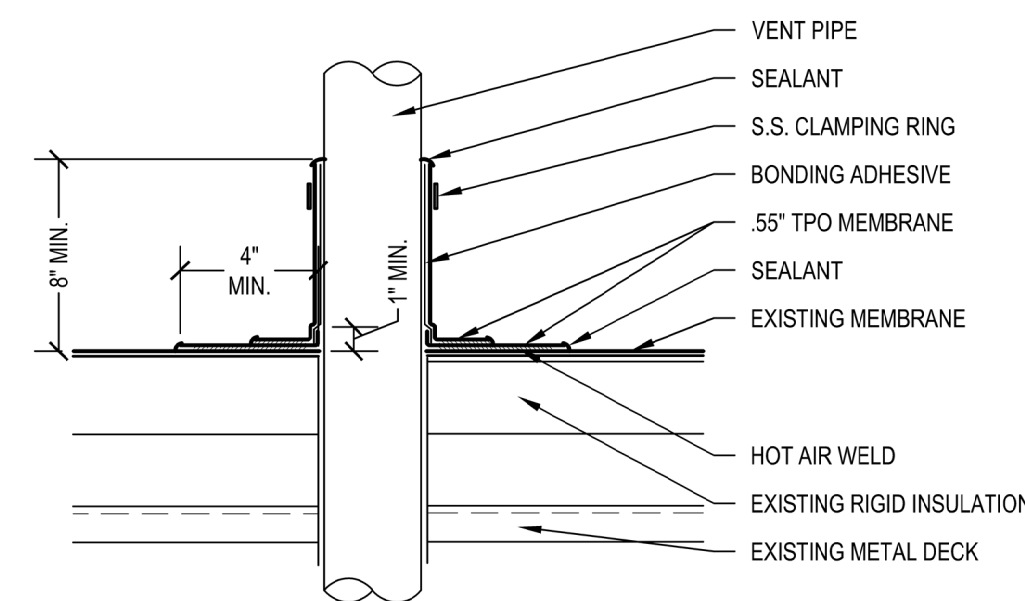
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
JOB NO.: 18037.03
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1 ROOF REPAIR AT VENT STACK
SCALE: 1 1/2" = 1'-0"

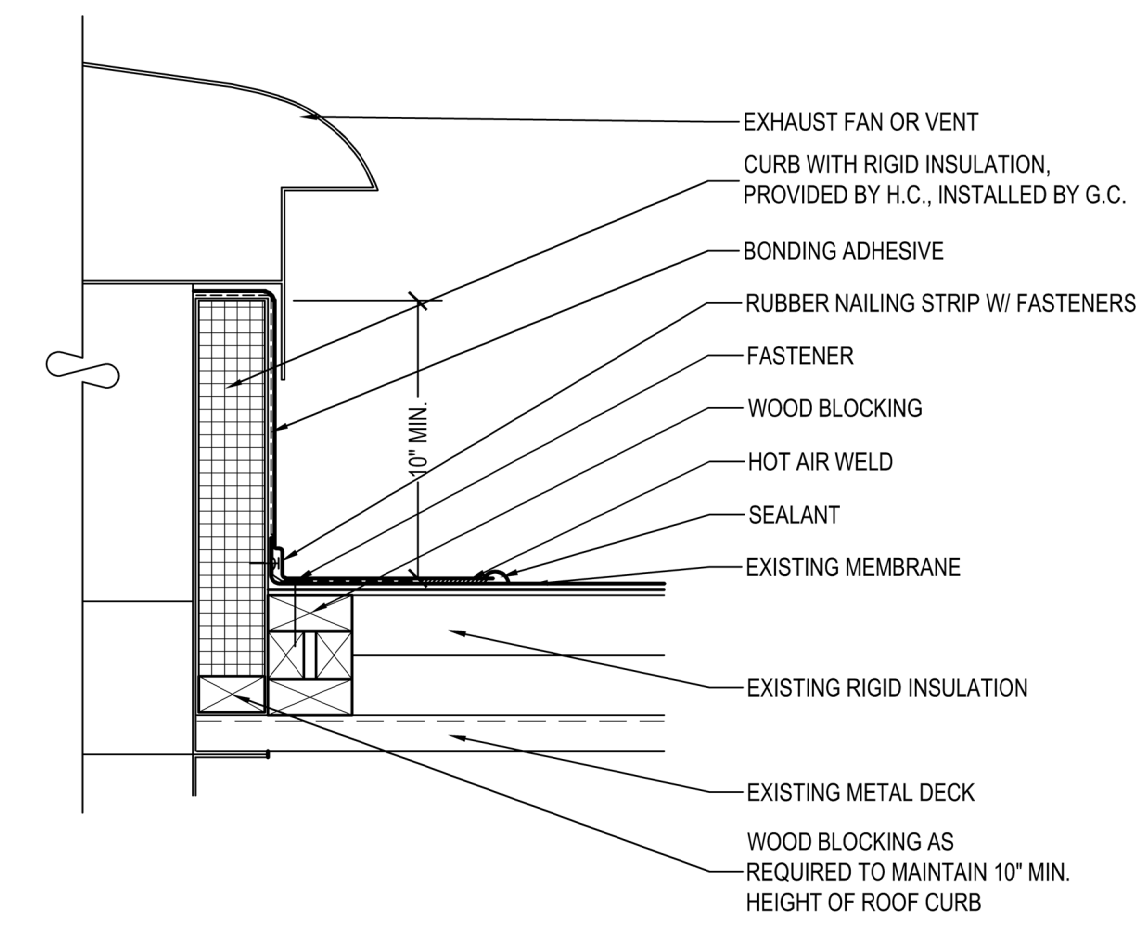


2 STRUCTURAL DECK REPAIR AT VENT STACK
SCALE: NOT TO SCALE



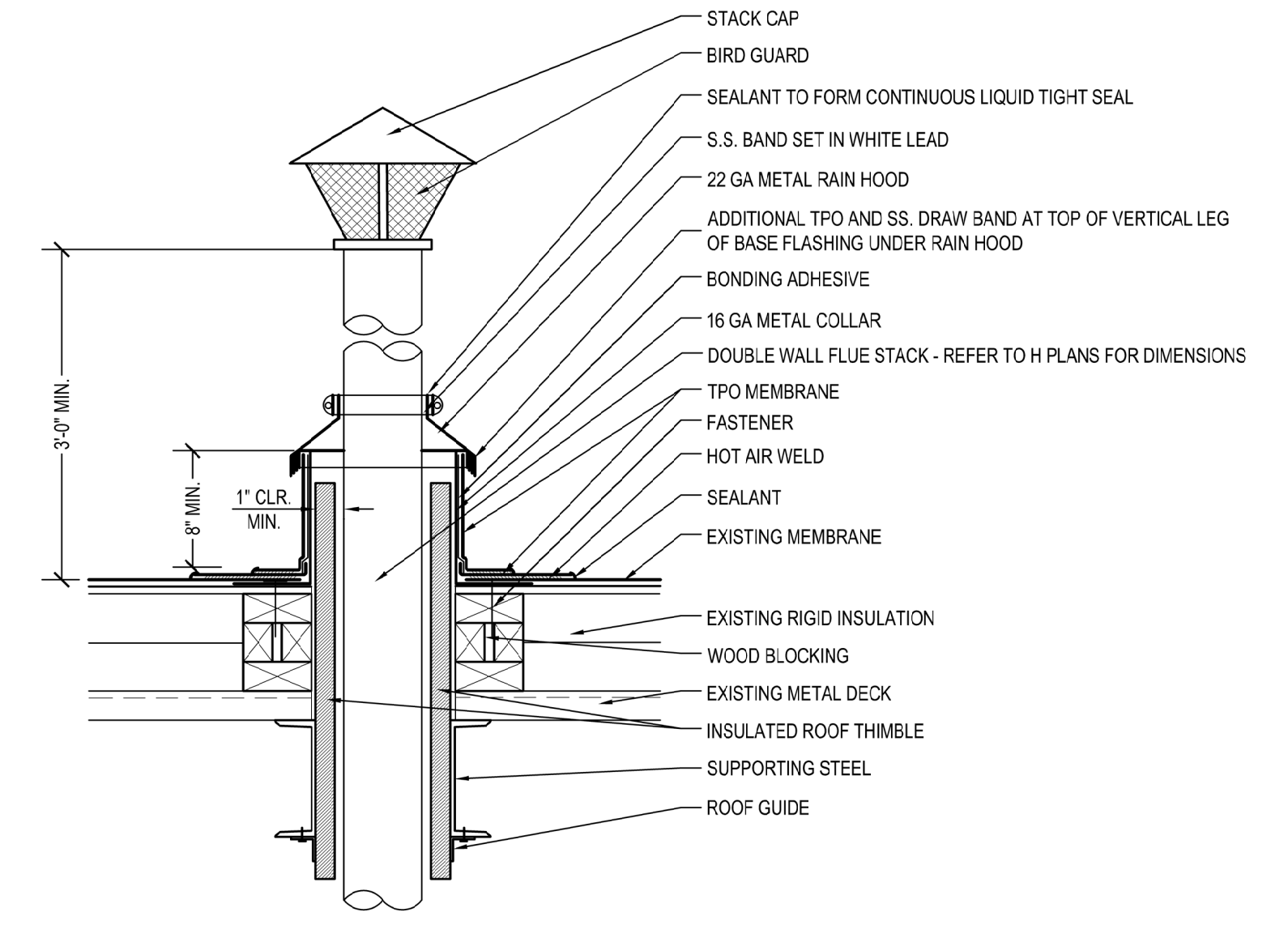
3 TYPICAL VENT FLASHING DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE:
EXISTING ROOF BALLAST NOT SHOWN FOR CLARITY. REMOVE EXISTING ROOF BALLAST AS REQUIRED TO INSTALL VENT THROUGH ROOF AND REPLACE AFTER INSTALLATION.



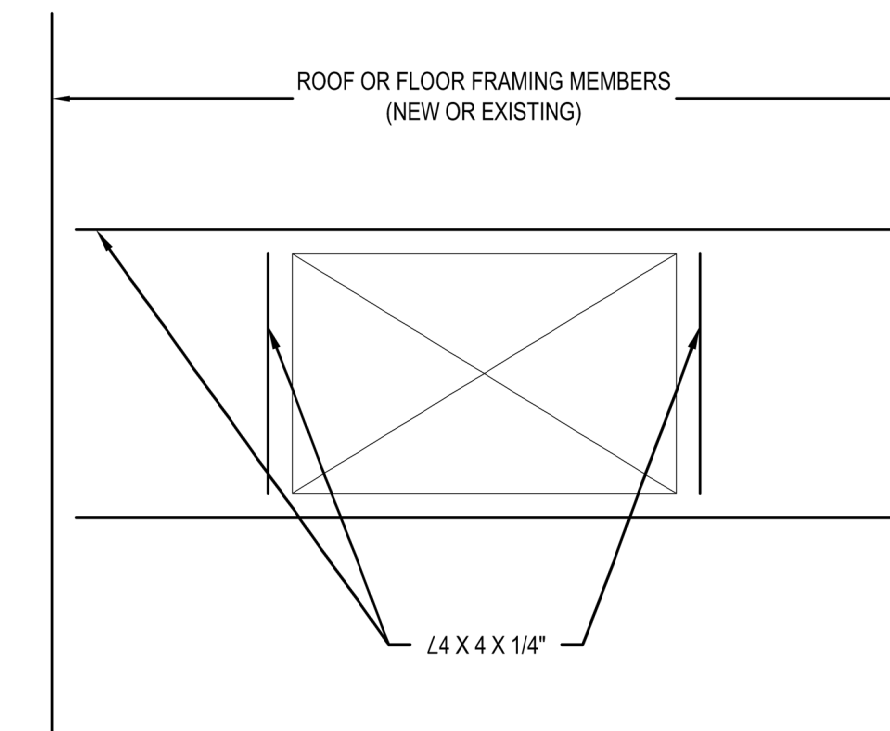
4 TYPICAL EXHAUST / GRAVITY VENT DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE:
EXISTING ROOF BALLAST NOT SHOWN FOR CLARITY. REMOVE EXISTING ROOF BALLAST AS REQUIRED TO INSTALL EXHAUST FAN OR GRAVITY VENT AND REPLACE AFTER INSTALLATION.

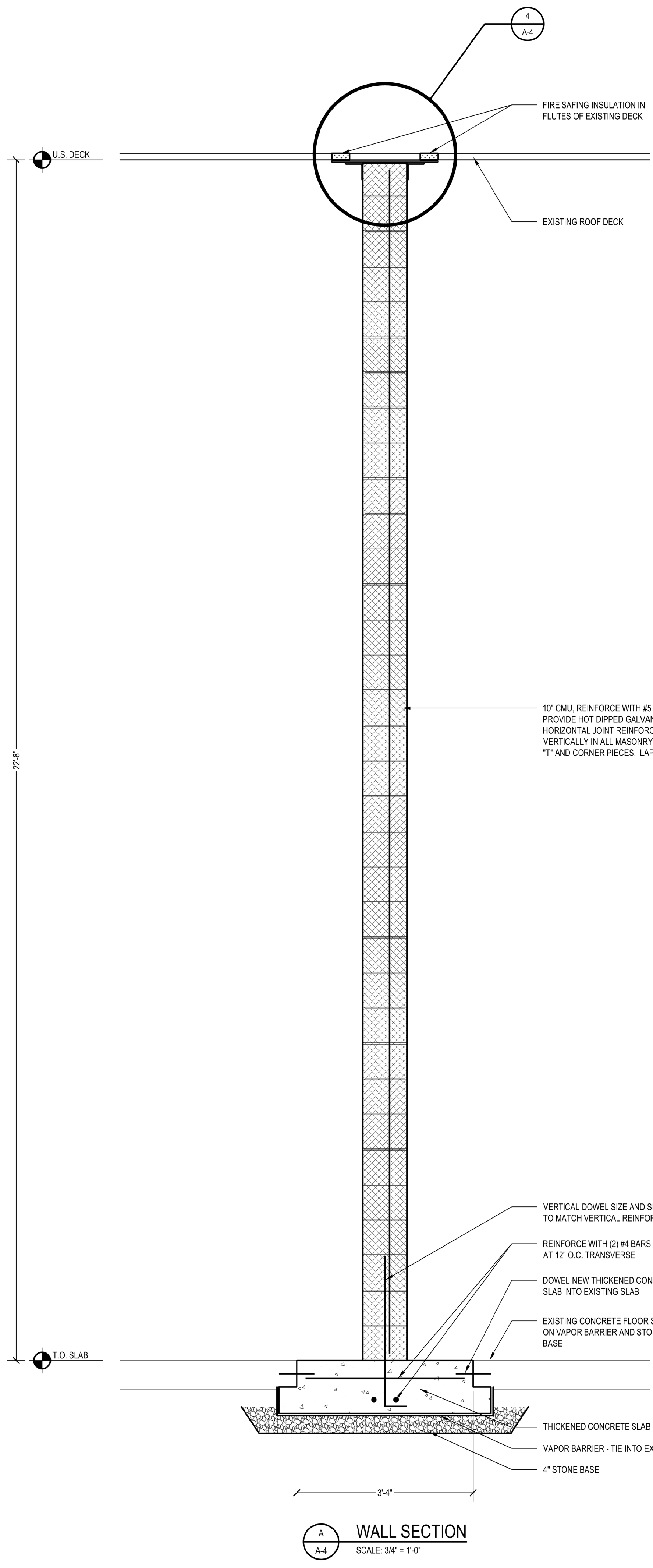


5 FLUE STACK DETAIL
SCALE: 1-1/2" = 1'-0"

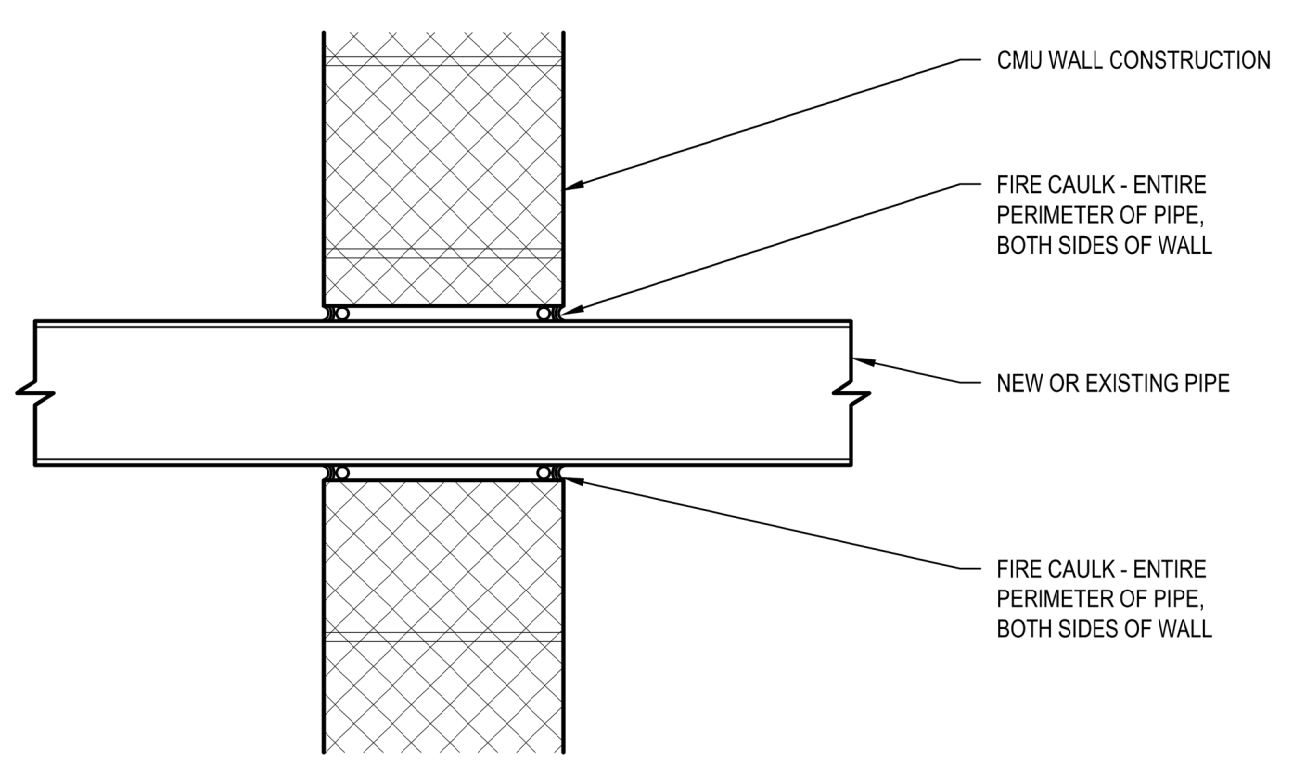
NOTE:
EXISTING ROOF BALLAST NOT SHOWN FOR CLARITY. REMOVE EXISTING ROOF BALLAST AS REQUIRED TO INSTALL FLUE STACK AND REPLACE AFTER INSTALLATION.



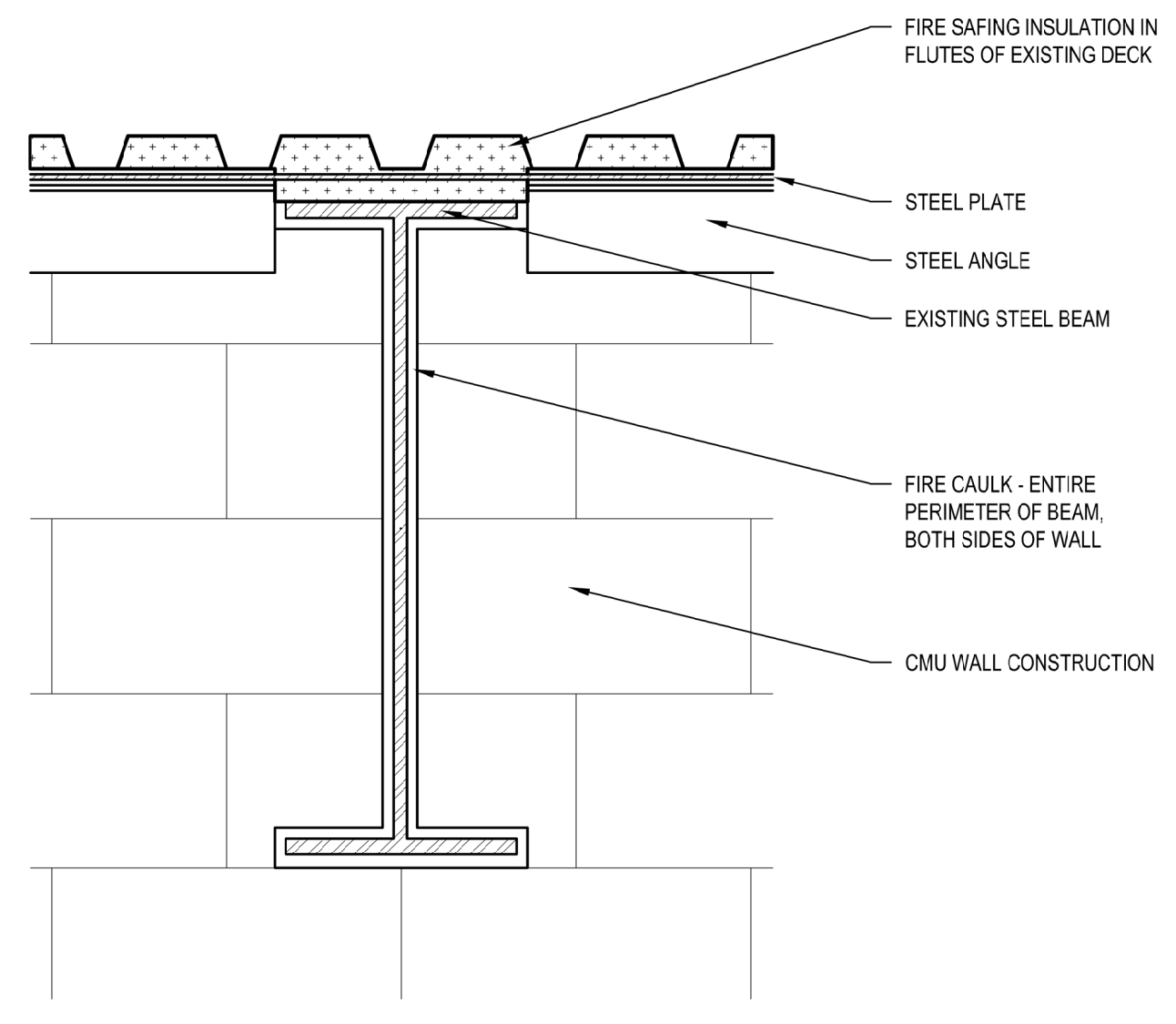
6 TYPICAL DETAIL OF OPENING THRU FLOOR OR ROOF
SCALE: N.T.S.



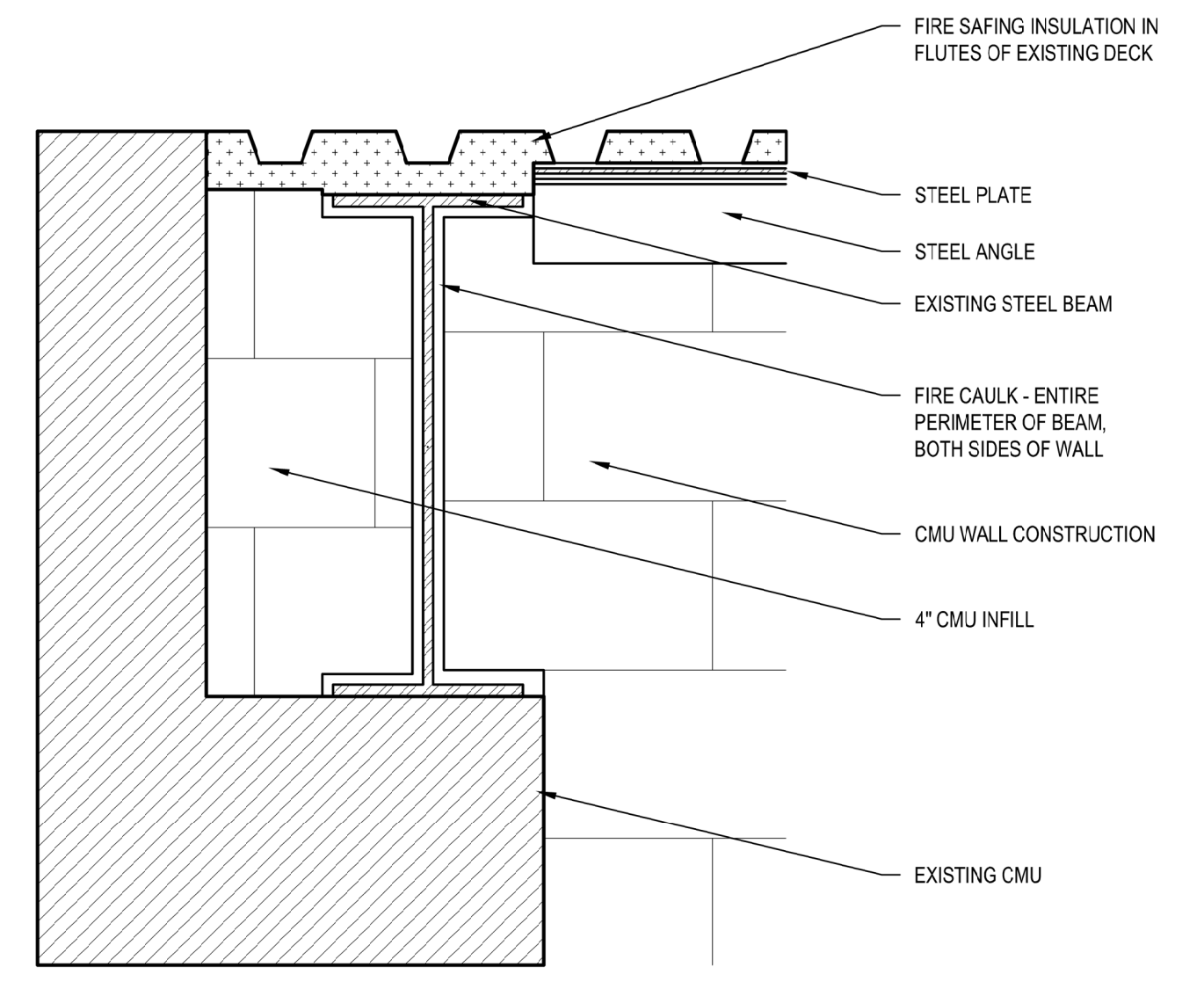
WALL SECTION
SCALE: 3/4" = 1'-0"



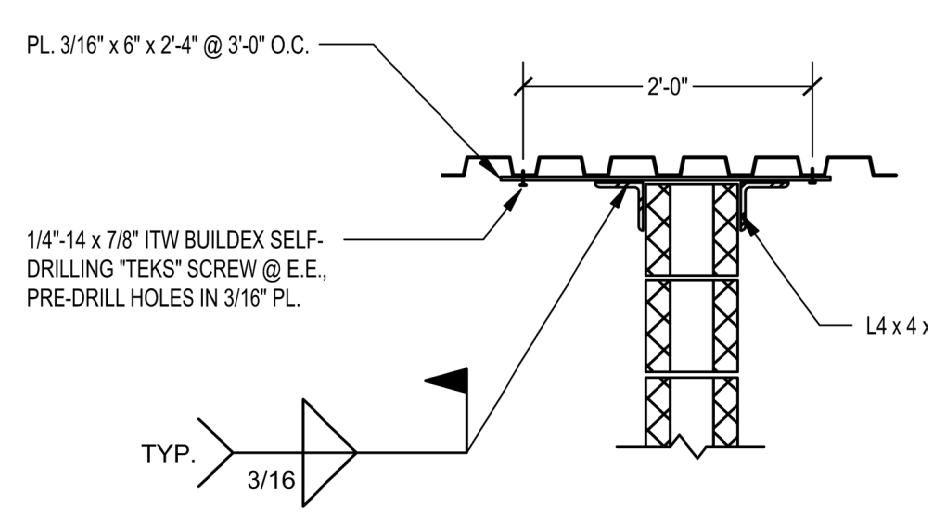
1 PIPE PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



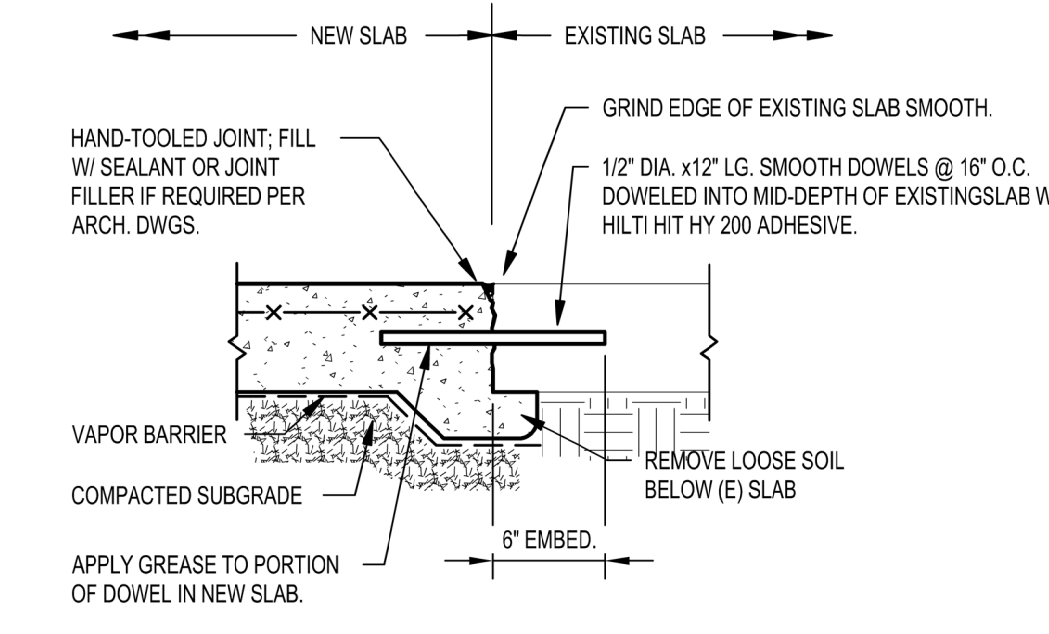
2 BEAM PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



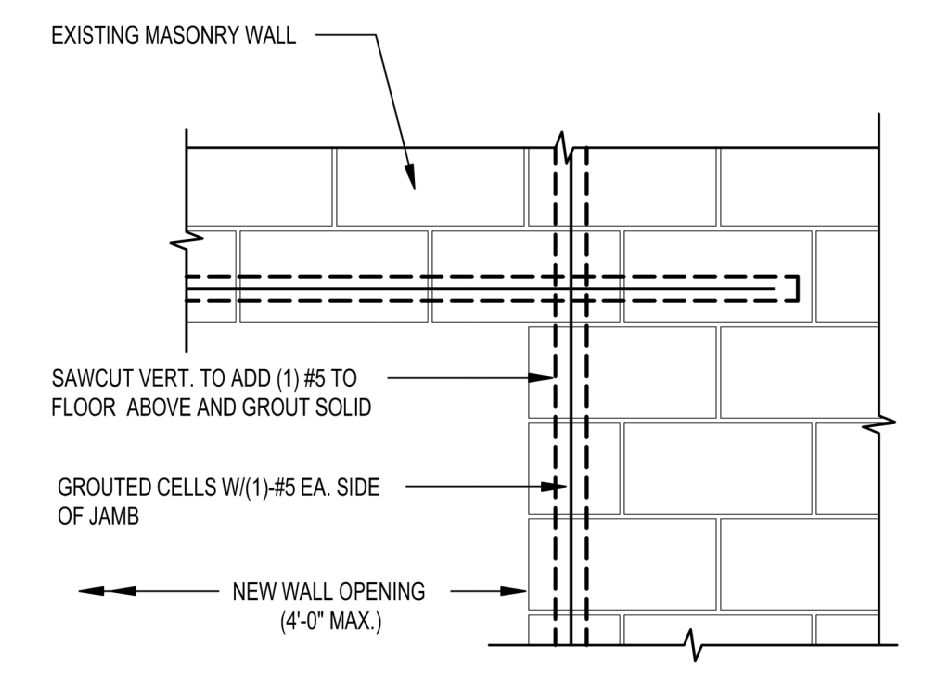
3 BEAM PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



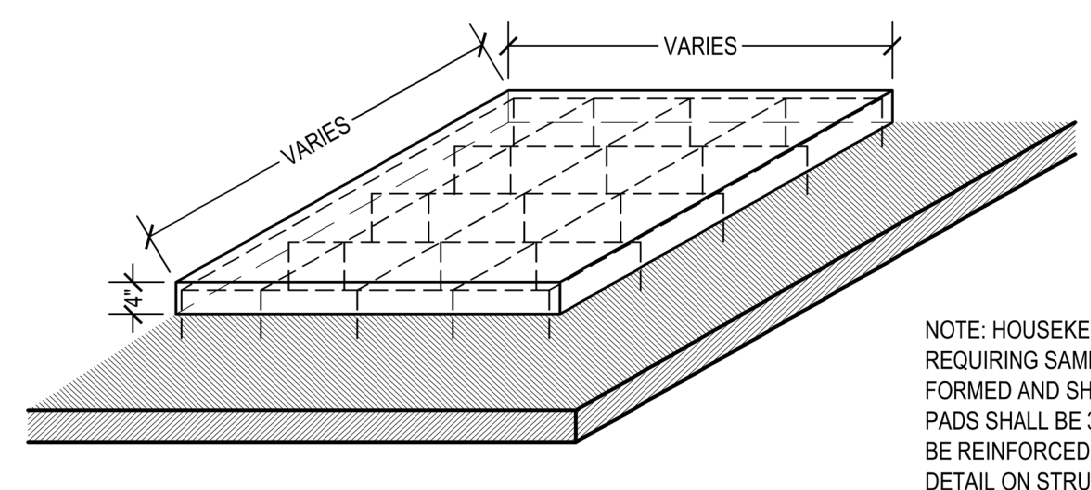
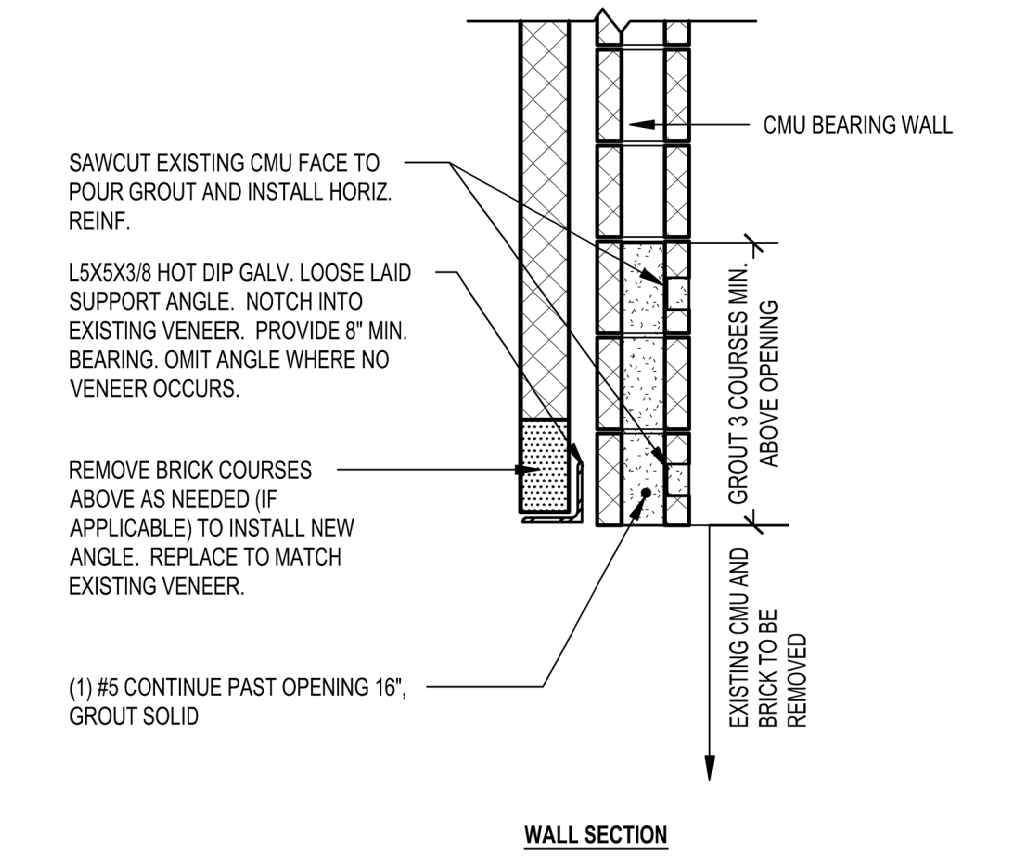
4 TOP OF WALL DETAIL
SCALE: 3/4" = 1'-0"



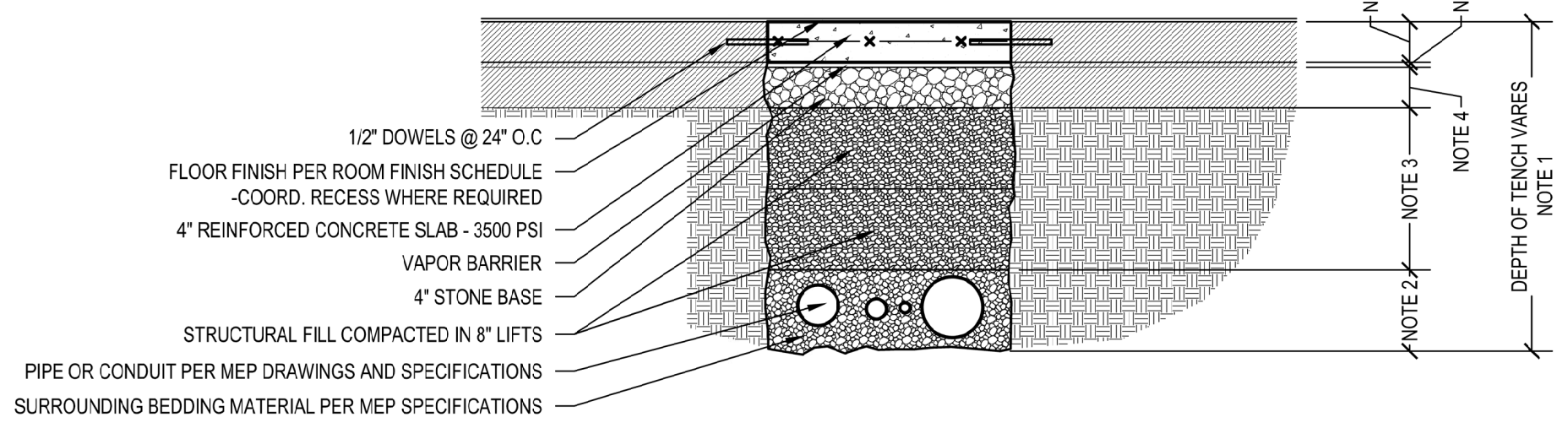
5 NEW TO EXISTING SLAB DETAIL
SCALE: 1" = 1'-0"



6 NEW LINTEL IN EXISTING CMU BEARING WALL
SCALE: 3/4" = 1'-0"

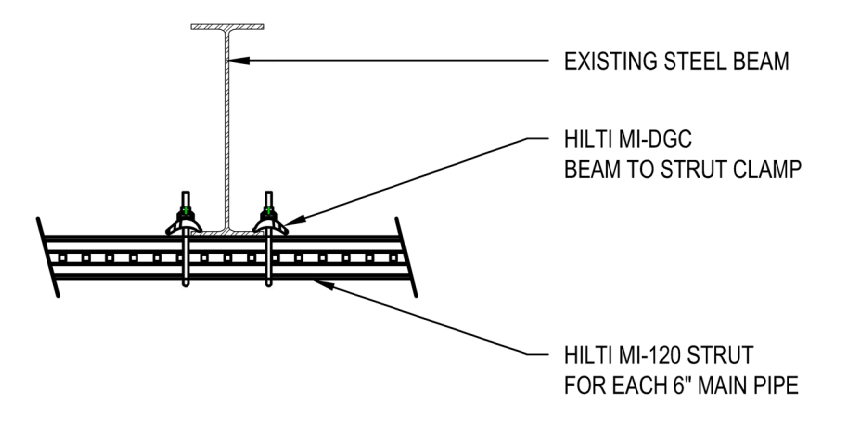


TYPICAL HOUSEKEEPING PAD
SCALE: 1/2" = 1'-0"



7 TYPICAL INTERIOR TRENCH DETAIL
SCALE: 3/4" = 1'-0"

- NOTE 1: G.C. SHALL SAW-CUT AND REMOVE EXISTING CONCRETE SLAB. ALL OTHER EXCAVATION SHALL BE BY THE H.C.
- NOTE 2: ALL HANDWORK IN TRENCH SHALL BE BY THE H.C.
- NOTE 3: STRUCTURAL BACKFILL SHALL BE ACCOMPLISHED PER THE SPECIFICATIONS BY H.C. WORK SHALL INCLUDE REQUIRED QUALITY CONTROL TESTING BY H.C.
- NOTE 4: 4" STONE BASE BY H.C.
- NOTE 5: VAPOR BARRIER BY G.C.
- NOTE 6: REINFORCED CONCRETE SLAB BY G.C. AT ALL LOCATIONS. G.C. SHALL COORDINATE AND PROVIDE ANY REQUIRED SLAB DEPRESSIONS.



NOTE: ONE (1) HILTI M-120 STRUT SHALL BE PROVIDED AND INSTALLED BY H.C. FOR EACH NEW 6" MAIN PIPE LOCATED AT THE CEILING OF EXISTING CORRIDOR. THE NEW 6" MAIN PIPES SHALL BE HUNG FROM THE STRUTS.

8 STRUT DETAIL (FOR PIPE HANGING)
SCALE: 3/4" = 1'-0"

ROOM NUMBER	ROOM DESCRIPTION	ROOM FINISH SCHEDULE										REMARKS	ROOM NUMBER				
		FLOORS		BASES	WALLS		CEILINGS										
		MATERIALS		MATERIALS	MATERIALS	FINISH	MATERIALS	FINISH							HEIGHT		
		EXISTING CONCRETE			EXISTING CONCRETE BLOCK												
2156	BOILER ROOM	1	2		1	2	P			1				P		EXISTING	2156
2156A	SPRINKLER ROOM	1	2		1	2	P			1				P		EXISTING	2156A

GENERAL NOTES:

A. THE ROOM FINISH SCHEDULE INDICATES PRIMARY FINISHES, MATERIALS, SUBSTRATES, ETC. IN A SPECIFIC ROOM OR AREA. ALL DRAWINGS (DETAILS, ELEVATIONS, PLANS, ETC.) AND SPECIFICATIONS SHALL BE REVIEWED TO CORRELATE THE COMPLETE EXTENT OF WORK REQUIRED FOR EACH AREA OR ROOM.

B. ALL MATERIALS USED IN PLENUM SPACES SHALL BE RATED FOR SUCH APPLICATIONS OR SHALL BE COMPLETELY COVERED OR ENCAPSULATED WITH AN APPROPRIATE, CODE APPROVED COVERING. EACH CONTRACTOR SHALL VERIFY APPROVAL OF MATERIALS USED IN PLENUMS WITH CURRENT CODES AND LOCAL AUTHORITIES HAVING JURISDICTION.

C. ALL WALL AND CEILING FINISHES SHALL HAVE A SMOKE DEVELOPED RATING OF 450 OR LESS AND A FLAME SPREAD OF 25 OR LESS IN ACCORDANCE WITH ASTM E84.

PAINTING NOTES:

PAINTING SHALL INCLUDE ALL SURFACE PREPARATION PER THE SPECIFICATIONS, INCLUDING WORK DETAILED IN THE MPI ARCHITECTURAL PAINTING AND MAINTENANCE REPAINTING MANUALS. SURFACE PREPARATION SHALL BE REVIEWED WITH THE ARCHITECT BEFORE PROCEEDING WITH PAINTING OPERATIONS.

PAINTING SHALL INCLUDE ALL NEW SURFACES THAT ARE NOT NOTED TO BE FACTORY FINISHED. THIS INCLUDES, BUT IS NOT LIMITED TO WALLS, HARD SURFACE CEILINGS, CEILING BULKHEADS AND SOFFITS, DOOR AND WINDOW FRAMES AND TRIM. EXISTING SURFACES IN SPACES NOTED ABOVE SHALL ALSO BE PREPARED AND FINISHED, INCLUDING BUT NOT LIMITED TO WALLS, HARD SURFACE CEILINGS, CEILING BULKHEADS AND SOFFITS, DOOR AND WINDOW FRAMES AND TRIM. IN ADDITION, THE OWNER RESERVES THE RIGHT TO HAVE SOME FACTORY FINISHED ITEMS PAINTED AS PART OF THE BASE BID WORK.

ALL MECHANICAL AND ELECTRICAL ITEMS OF THIS PROJECT EXPOSED TO VIEW SHALL BE PAINTED UNLESS SPECIFICALLY NOTED OTHERWISE. THIS WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE PAINTING OF EXPOSED JUNCTION BOXES, CONDUIT, WIREMOLD, ELECTRICAL RACKWAYS, PLUMBING PIPING, HVAC PIPING, HVAC UNITS NOT NOTED AS FACTORY FINISHED, HVAC COVERS OR GRILLES IN WALLS, ELECTRICAL PANEL COVERS AND ALL ACCESS PANELS OR DOORS. MECHANICAL, ELECTRICAL ITEMS CONSIDERED TO BE PRE-FINISHED WHICH DO NOT REQUIRE PAINTING UNDER THIS PROJECT SHALL INCLUDE LIGHT FIXTURES, ELECTRICAL DEVICES AND ASSOCIATED COVER PLATES, ELECTRICAL DISCONNECT SWITCHES, HVAC CONVECTORS, BOILERS, AIR CONDITIONING UNITS, WATER HEATERS, PUMPS, PLUMBING FIXTURES AND TRIM, AND ANY CHROME FINISHED PIPING.

ALL MECHANICAL AND ELECTRICAL ITEMS TO BE PAINTED SHALL BE FINISHED TO THE COLOR(S) OF THE ADJACENT SURFACE. ANY QUESTION REGARDING THE COLOR(S) TO BE PROVIDED SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING FOR CLARIFICATION.

PAINT EXPOSED SURFACES WHETHER OR NOT COLORS ARE DESIGNATED IN 'SCHEDULES', EXCEPT WHERE NATURAL FINISH OF MATERIALS IS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED. WHERE ITEMS OR SURFACES ARE NOT SPECIFICALLY MENTIONED, PAINT SAME AS ADJACENT SIMILAR MATERIALS OR AREAS. IF COLOR OR FINISH IS NOT DESIGNATED, ARCHITECT WILL SELECT THESE FROM STANDARD COLORS AVAILABLE FOR MATERIALS SYSTEMS SPECIFIED.

FOLLOWING CATEGORIES OF WORK ARE NOT INCLUDED AS PART OF FIELD APPLIED FINISH WORK, OR ARE INCLUDED IN OTHER SECTIONS OF THE SPECIFICATIONS:

SHOP PRIMING: UNLESS OTHERWISE SPECIFIED, SHOP PRIMING OF FERROUS METAL ITEMS IS INCLUDED UNDER VARIOUS SECTIONS FOR STRUCTURAL STEEL, MISCELLANEOUS METAL, HOLLOW METAL WORK, AND SIMILAR ITEMS. ALSO, PRIMING OF SHOP-FABRICATED OR FACTORY-BUILT MECHANICAL AND ELECTRICAL EQUIPMENT OR ACCESSORIES IS INCLUDED UNDER OTHER SECTIONS OF THESE SPECIFICATIONS.

PRE-FINISHED ITEMS: UNLESS OTHERWISE INDICATED, DO NOT INCLUDE PAINTING WHEN FACTORY-FINISHING OR INSTALLER FINISHING IS SPECIFIED FOR SUCH ITEMS AS (BUT NOT LIMITED TO) METAL TOILET ENCLOSURES, PRE-FINISHED PARTITION SYSTEMS, ACOUSTIC MATERIALS, AND CASEWORK, FINISHED MECHANICAL AND ELECTRICAL EQUIPMENT INCLUDING LIGHT FIXTURES, SWITCHGEAR AND DISTRIBUTION CABINETS, ELEVATOR ENTRANCE FRAMES, AND EQUIPMENT.

CONCEALED SURFACES: UNLESS OTHERWISE INDICATED, PAINTING IS NOT REQUIRED ON SURFACES SUCH AS WALLS OR CEILINGS IN CONCEALED AREAS AND GENERALLY INACCESSIBLE AREAS, FOUNDATION SPACES, FURRED AREAS, UTILITY TUNNELS, PIPE SPACES, DUCT SHAFTS.

FINISHED METAL SURFACES: METAL SURFACES OF ANODIZED ALUMINUM, STAINLESS STEEL, CHROMIUM PLATE, COPPER, BRONZE AND SIMILAR FINISHED MATERIALS WILL NOT REQUIRE FINISH PAINTING, UNLESS OTHERWISE INDICATED.

OPERATING PARTS AND LABELS: MOVING PARTS OF OPERATING UNITS, MECHANICAL AND ELECTRICAL PARTS, SUCH AS VALVE AND DAMPER OPERATORS, LINKAGES, SENSING DEVICES, MOTOR AND FAN SHAFTS WILL NOT REQUIRE FINISH PAINTING, UNLESS OTHERWISE INDICATED.

DO NOT PAINT OVER ANY CODE-REQUIRED LABELS, SUCH AS UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATINGS, NAME, OR NOMENCLATURE PLATES.

DOOR NUMBER	DOOR SCHEDULE										REMARKS	DOOR NUMBER							
	DOOR				SIZE		FRAME												
	TYPE	MATERIAL	GLASS	FINISH	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	GLASS			FINISH	DETAIL	THRESHOLD	U.L. LABEL	DOOR UNDERCUT	HARDWARE MARK	CARD READER
2156	F	HM	-	P	3'-0"	7'-0"	1-3/4"	HM-1	HM	-	P	2	-	90 MIN	-	1	-	90 MIN RATED FIRE DOOR	2156
2156A	F	HM	-	P	3'-0"	7'-0"	1-3/4"	HM-1	HM	-	P	1	-	-	-	2	-	-	2156A

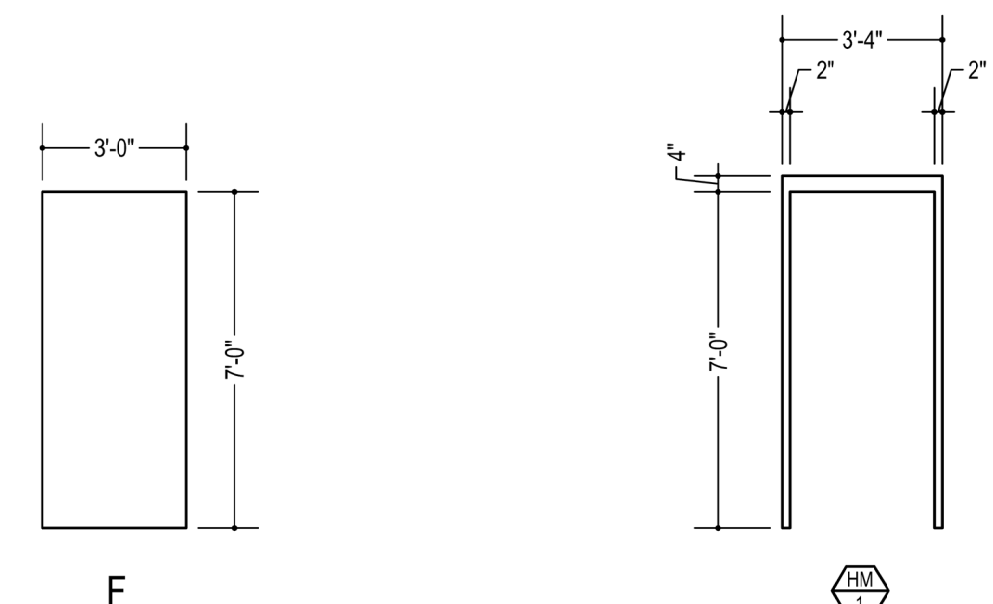
DOOR SCHEDULE ABBREVIATIONS:

AL ALUMINUM
AN ANODIZED
CL CLEAR LAMINATED
CUI CLEAR LAMINATED INSULATED
CCL CLEAR CERAMIC LAMINATED
CT CLEAR TEMPERED
CTI CLEAR TEMPERED INSULATED
EX EXISTING
FS FACTORY STAINED
HM HOLLOW METAL
P PAINT
SP SOLID POLYMER
WD WOOD

GENERAL NOTES:

FIELD VERIFY DIMENSIONS OF ALL EXISTING OPENINGS PRIOR TO SUBMITTING SHOP DRAWINGS. INDICATE DEVIATIONS IN OPENING SIZE ON SHOP DRAWINGS.

WHERE EXPANSION ANCHORS ARE USED, ANCHORS AND FRAMES SHALL BE GROUND SMOOTH, FILLED, PRIMED, AND PAINTED.



DOOR TYPES
SCALE: 1/4" = 1'-0"

HOLLOW METAL FRAME TYPES
SCALE: 1/4" = 1'-0"

