

SANSOM ST APARTMENTS

APARTMENTS AT PENN

121-33 SOUTH 43RD STREET

PHILADELPHIA, PENNSYLVANIA 19104

5-STORY APARTMENT BUILDING

32 APARTMENTS & GROUND FLOOR COMMERCIAL SPACE

NEW APARTMENT BUILDING



Owner:

42nd & Walnut Street Corp.
C/O Apartments at Penn
416 S. 41st Street
Philadelphia, PA 19104
(215) 694-3796

Architect:

Betzwood Associates PC
Architects & Engineers
523 Kimberton Road, Ste. 11B
Phoenixville, PA 19460
(610) 917-8831

Civil Engineer:

CMC Engineering
2215 Kimberton Road
Kimberton, PA 19442
(610) 983-9200

Mechanical / Electrical Engineer:

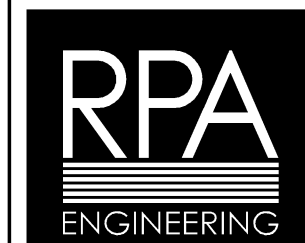
RPA Engineering, Inc.
400 Spring Ridge Drive
Wyomissing, PA 19610
(610) 374-6144



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tel (610) 917-8831 fax (610) 917-8836
email mail@betzwood.com http://www.betzwood.com

Robin J. Kohn, AIA
Commonwealth of Pennsylvania
License No. RA-11327-X

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400 Spring Ridge Drive
Wyomissing, PA 19610
Phone: 1-888-RPA-6053
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OFFICES
Pittsburgh, PA
Philadelphia, PA
Knoxville, TN
Venice, FL
Durham, NC

ENGINEERS SEAL

Contact Person:
Edward M. (Kipp) Happ
(610) 917-8831

PROJECT NO.	DRAWN BY	CHK'D BY
B3907	EMH	EMH

NO.	DATE	BY	ISSUE
1	05-15-2015	EMH	ISSUED FOR PERMIT

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APPROVED BY	CURRENT DATE
Robin J. Kohn, AIA	May 15, 2015

SANSOM ST APARTMENTS

121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

SHEET TITLE

TITLE PAGE

SHEET NUMBER

T-1

REV
1

APARTMENTS AT PENN
121-33 SOUTH 43RD STREET
PHILADELPHIA, PENNSYLVANIA 19104

Betzwood
Associates PC
Architects & Engineers

Robert J. Kohr, AIA
Regis W. Kubit, PE

REGISTERED ARCHITECT
PENNSYLVANIA
KOHN RA 13371

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SANSOM ST APARTMENTS
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PHILADELPHIA, PA 19104

SHEET TITLE
TITLE SHEET

SHEET NUMBER	
T-2	
REV	1

ADJ

ADJUSTABLE

AGL

ABOVE GROUND LEVEL

AMSL

ABOVE MEAN SEA LEVEL

APPROX.

APPROXIMATE

CAB

CABINET

CONC.

CONCRETE

CONT.

CONTINUOUS

CONST

CONSTRUCTION

COAX

COAXIAL

CJ

CONSTRUCTION JOINT

DIA

DIAMETER

DTL

DETAIL

DWG

DRAWING

EA

EACH

ELEC.

ELECTRIC

ELEV.

ELEVATION

EQ

EQUAL

EQUIP

EQUIPMENT

EXT.

EXTERIOR

FF

FINISH FLOOR

FTG

FOOTING

GA

GAUGE

GALV.

GALVANIZED

GC

GENERAL CONTRACTOR

GRND

GROUND

HORIZ

HORIZONTAL

INT.

INTERIOR

LG

LONG

MAX

MAXIMUM

MFG

MANUFACTURER

MIN.

MINIMUM

NTC

METAL

NTS

NOT IN CONTRACT

NTS

NOT TO SCALE

OC

ON CENTER

OHP

OVERHEAD POWER

OHT

OVERHEAD TELCO

OWF

POWER

SF

SQUARE FOOT

SHT

SHEET

SS

SIMILAR

SS

STAINLESS STEEL

STL

STEEL

TELCO

TELEPHONE COMPANY

TOP

TO TOP OF

TYP.

TYPICAL

UN

UNLESS OTHERWISE NOTED

VERT

VERTICAL

VIF

VERIFY IN FIELD

XFMR

TRANSFORMER

2

S-1

SECTION NUMBER

SHEET NUMBER

DRAWING SECTION

4

S-1

SECTION NUMBER

SHEET NUMBER

DETAIL

5

E-1

SECTION NUMBER

SHEET NO.

DETAIL ENLARGEMENT

CAST IN PLACE OR PRE-CAST CONCRETE

CRUSHED STONE, GRAVEL OR POROUS FILL

STEEL

LIGHT WEIGHT CONCRETE

PLASTER CEMENT, SAND, GROUT

METAL ALUMINUM, ETC.

EARTH UNDISTURBED

ROCK OR STONE

CONCRETE MASONRY UNIT

EARTH BACK FILL

RIGID INSULATION

BRICK

GENERAL NOTES

1. FIELD CONDITIONS - CONTRACTORS SHALL VERIFY ALL CONDITIONS, AS WELL AS ALL DIMENSIONS AND CONDITIONS INDICATED IN THE DRAWINGS, PRIOR TO ACTUAL CONSTRUCTION. ANY VARIATIONS FROM CONDITIONS INDICATED IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.

2. COORDINATION OF WORK - THE CHARACTER AND SCOPE OF THE WORK ARE ILLUSTRATED BY THE WORKING DRAWINGS. CONTRACTORS SHALL CAREFULLY EXAMINE THE DRAWINGS AND SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF HIS WORK AND PROPER CONSIDERATION FOR THE WORK OF OTHERS AND EXISTING CONSTRUCTION. DO NOT PLACE DUCTS, PIPING, CONDUIT OR ANY OBSTRUCTION SO AS TO IMPAIR REQUIRED CEILING HEIGHTS AND CLEARANCE FOR LIGHTING FIXTURES, ETC. CONTRACTORS SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING ADJACENT SPACES AND FACILITIES.

3. BUILDING CODES AND REGULATIONS - ALL WORK SHALL CONFORM TO ALL GOVERNING CODES AND REGULATIONS. CONTRACTORS SHALL FILE, PAY AND OBTAIN ALL REQUIRED PERMITS TO PERFORM THE WORK. UPON COMPLETION OF THE WORK, CONTRACTORS SHALL OBTAIN ALL REQUIRED APPROVALS FROM GOVERNMENTAL AGENCIES INVOLVED PRIOR TO FINAL PAYMENT. APPROVALS TO OCCUPY THE SPACE BY LOCAL BUILDING OFFICIALS SHALL BE OBTAINED PRIOR TO MOVING IN.

4. QUALITY STANDARDS - ALL SUCH WORK SHALL BE PERFORMED IN A FIRST-CLASS WORKMAN-LIKE MANNER AND SHALL BE IN GOOD AND USEABLE CONDITION AT THE DATE OF COMPLETION. CONTRACTORS SHALL GUARANTEE ALL WORK PERFORMED TO BE FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE DATE ALL CONSTRUCTION PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ACCEPTANCE HAS BEEN CONFIRMED IN WRITING BY THE OWNER'S REPRESENTATIVE.

A. CONTRACTORS SHALL BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR WITHOUT ANY ADDITIONAL CHARGE FOR ANY AND ALL WORK DONE OR FURNISHED WHICH SHALL BECOME DEFECTIVE WITHIN THIS ONE (1) YEAR PERIOD. THE CORRECTION OF SUCH WORK AND DAMAGES IN CONNECTION WITH SUCH REMOVAL, REPLACEMENT OR REPAIR OF ANY PART OF THE WORK WHICH MAY BE DAMAGED OR DISTURBED THEREBY.

B. ALL WARRANTIES OR GUARANTEES AS TO MATERIALS OR WORKMANSHIP ON OR WITH RESPECT TO OWNER'S WORK SHALL BE CONTAINED IN THE CONTRACT OR SUB-CONTRACT WHICH SHALL BE SO WRITTEN THAT SUCH GUARANTEE OR WARRANTIES SHALL INSURE TO THE BENEFIT OF BOTH OWNER AND OCCUPANT, AS THEIR RESPECTIVE INTEREST APPEAR AND CAN DIRECTLY BE ENFORCED BY EITHER.

5. RUBBISH REMOVAL - CONTRACTORS SHALL BE RESPONSIBLE FOR DAILY REMOVAL FROM THE PROJECT, ALL TRASH, RUBBISH AND SURPLUS MATERIALS RESULTING FROM CONSTRUCTION, FIXTURING AND MERCHANDISING OF THE DEMISED PREMISES. COORDINATE REMOVAL OF DEBRIS WITH BUILDING MANAGEMENT.

6. ALL WORK THAT IS EITHER IMPLIED OR REASONABLY INFERRABLE FROM THE CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS. ALL DRAWINGS AND SPECIFICATIONS ARE DIRECTED TO THE ATTENTION OF THE CONTRACTORS AND THE INCLUSION OF ANY WORK BY MENTION, NOTE, DETAIL, ITEMIZATION OR IMPLICATION, HOWEVER BRIEF, MEANS THAT THE CONTRACTORS SHALL PROVIDE AND INSTALL SAME. ALL WORK PERFORMED SHALL INCLUDE ALL APPURTENANCES AND APPARATUS NORMALLY DEEMED TO BE PART OF A COMPLETE PACKAGE WITHIN THE DEFINITIONS OF NORMAL INDUSTRY STANDARDS.

7. ALL CONTRACTORS MUST COORDINATE THEIR WORK WITH THE OTHER TRADES TO ENSURE THAT THE SYSTEMS BEING INSTALLED DO NOT INTERFERE WITH OTHER SYSTEMS THAT WILL BE INSTALLED.

8. THE USE OF THE PENNSYLVANIA ONE-CALL SYSTEM, INC. IS REQUIRED PRIOR TO ANY EXCAVATION.

9. PROVIDE PORTABLE JOB TOILET AND TELEPHONE ON SITE FOR THE DURATION OF THE PROJECT. (AS REQUIRED BY OWNER).

10. ALL MATERIALS/EQUIPMENT SHALL BE STAGED IN APPROVED AREAS. THE CONTRACTOR SHALL ENSURE STAGED MATERIALS/EQUIPMENT ARE SECURE AND SAFE FROM INCIDENT WEATHER CONDITIONS.

11. SUBMIT SPECIFICATIONS FOR ALL EQUIPMENT FOR APPROVAL PRIOR TO PURCHASING OR INSTALLING.

12. CONTRACTOR SHALL PREPARE REQUIRED AS-BUILT DRAWINGS USING THE CONTRACT DRAWINGS. MARK ALL NEW INFORMATION THAT IS IMPORTANT TO THE OWNER'S REPRESENTATIVE BUT WAS NOT SHOWN ON THE CONTRACT DOCUMENTS.

13. CONTRACTOR TO SUPPLY THE OWNER'S REPRESENTATIVE AN OFFICIAL CERTIFICATE OF INSURANCE FOR THEIR RECORDS.

14. THE FOLLOWING DEFINITIONS APPLY TO THIS CONTRACT:

A. FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION AND SIMILAR OPERATIONS."

B. INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING AND SIMILAR OPERATIONS."

C. PROVIDE: THE TERM "PROVIDE" MEANS "TO COMPLETE AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

D. REMOVE: THE TERM "REMOVE" MEANS "TO DISCONNECT FROM ITS PRESENT POSITION, REMOVE FROM THE PREMISES AND TO DISPOSE OF IN A LEGAL MANNER."

E. SUPPLY: THE TERM "SUPPLY" MEANS TO PURCHASE AND DELIVER OR ACCEPT DELIVERY ON SITE IN PREPARATION FOR INSTALLATION.

15. ALL ELECTRICAL WORK TO BE PERFORMED BY A LICENSED AND INSURED WITH THE LOCAL MUNICIPALITY AND THE STATE AS REQUIRED.

16. ELECTRICAL CONTRACTOR TO VERIFY FINAL NO., STYLE, COLOR, TYPES AND LOCATIONS OF ALL OUTLETS, SWITCHES, FIXTURES, ETC., WITH OWNER PRIOR TO ORDERING/INSTALLATION.

17. ALL PLUMBING WORK TO BE PERFORMED BY A LICENSED AND INSURED WITH THE LOCAL MUNICIPALITY AND THE STATE AS REQUIRED.

18. PLUMBING CONTRACTOR TO EXTEND ALL PLUMBING LINES AS REQUIRED FOR ALL NEW FIXTURES, SCOPE OF WORK TO INCLUDE ALL HOT AND COLD WATER FEEDS, WASTE PIPES OUT, STACK & VENTS, SETTING OF FIXTURES, AND ANY AND ALL HOSE/SPLITTINGS AS REQUIRED.

M-3

MECHANICAL - GROUND FLOOR DUCTWORK

M-4

MECHANICAL - FIRST FLOOR DUCTWORK

M-5

MECHANICAL - SECOND - FOURTH FLOOR DUCTWORK

M-6

MECHANICAL - SECTIONS

M-7

MECHANICAL - DETAILS

PLUMBING

P-1

PLUMBING - GENERAL NOTES, SPECIFIACION, LEGEND & SCHEDULES

P-2

PLUMBING - GROUND FLOOR PLAN

P-3

PLUMBING - FIRST FLOOR PLAN

P-4

PLUMBING - SECOND - FOURTH FLOOR PLAN

P-5

PLUMBING - DETAILS

P-6

PLUMBING - RISER DIAGRAMS

FIRE PROTECTION

FP-1

FIRE PROTECTION - GENERAL NOTES, SPECIFICATIONS & LEGEND

FP-2

FIRE PROTECTION - GROUND FLOOR PLAN

FP-3

FIRE PROTECTION - FIRST FLOOR PLAN

FP-4

FIRE PROTECTION - SECOND - FOURTH FLOOR PLAN

FP-5

FIRE PROTECTION - DETAILS AND RISER DIAGRAM

ELECTRICAL

E-1

ELECTRICAL - GENERAL NOTES, SPECIFICATIONS & LEGEND

E-2

ELECTRICAL - GROUND FLOOR POWER PLAN / EMBEDDED

E-3

ELECTRICAL - GROUND FLOOR POWER PLAN

E-4

ELECTRICAL - FIRST FLOOR POWER PLAN

E-5

ELECTRICAL - SECOND FLOOR POWER PLAN

E-6

ELECTRICAL - THIRD FLOOR POWER PLAN

E-7

ELECTRICAL - FOURTH FLOOR POWER PLAN

E-8

ELECTRICAL - GROUND FLOOR LIGHTING PLAN

E-9

ELECTRICAL - FIRST FLOOR LIGHTING PLAN

E-10

ELECTRICAL - SECOND FLOOR LIGHTING PLAN

E-11

ELECTRICAL - THIRD FLOOR LIGHTING PLAN

E-12

ELECTRICAL - FOURTH FLOOR LIGHTING PLAN

E-13

ELECTRICAL - GROUND FLOOR FIRE ALARM PLAN

E-14

ELECTRICAL - FIRST FLOOR FIRE ALARM PLAN

E-15

ELECTRICAL - SECOND - FOURTH FLOOR FIRE ALARM PLAN

E-16

ELECTRICAL - SINGLE LINE DIAGRAM

E-17

ELECTRICAL - PANEL SCHEDULES

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TITLE PAGE

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TITLE SHEET

SP-1

SITE PLAN

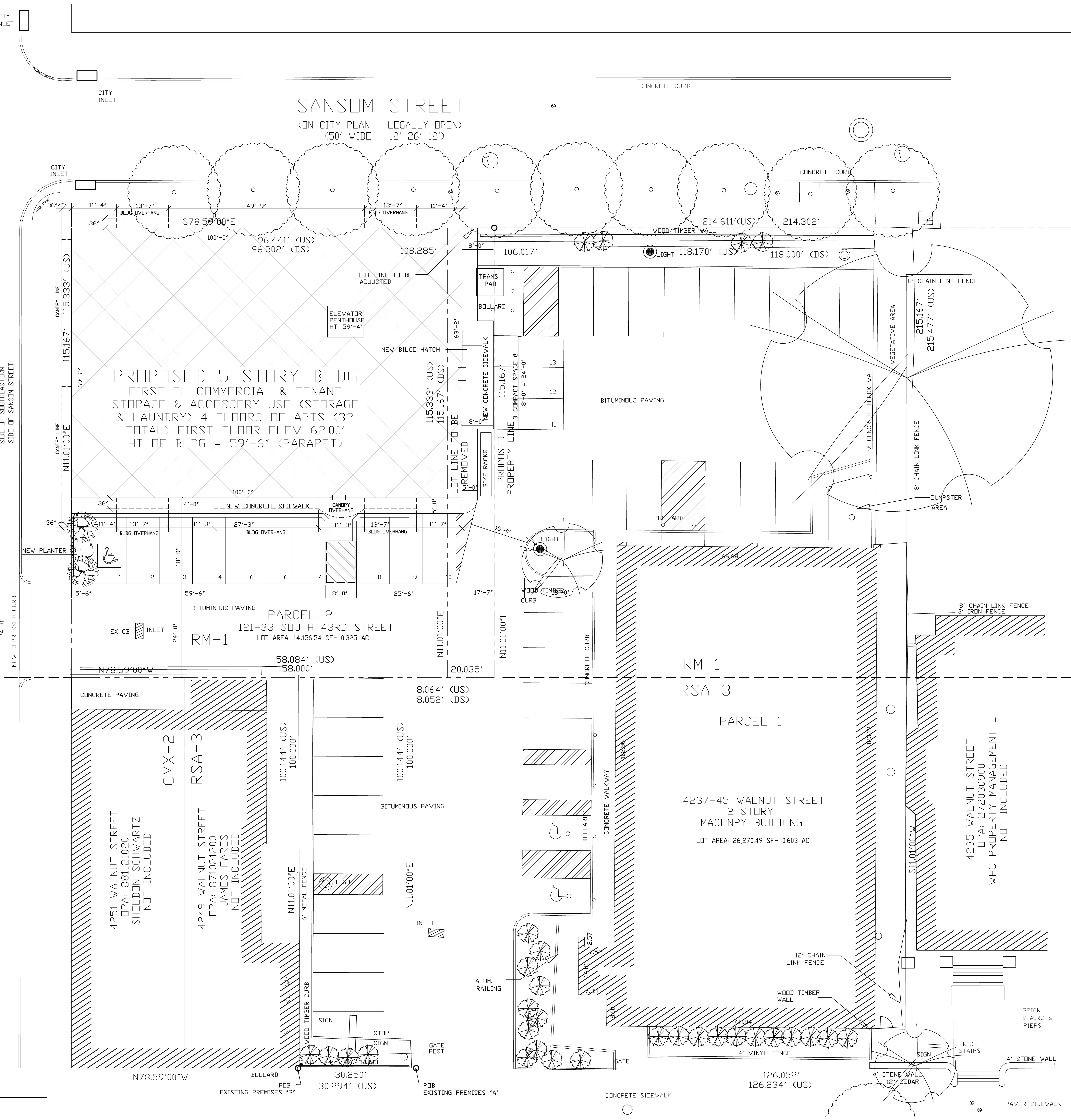
USP-1

UTILITY SITE PLAN

1 SITE PLAN
SP-1 Scale: 1" = 10'-0"

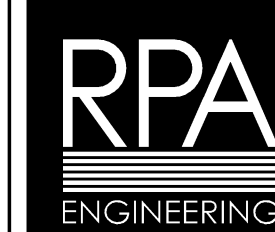
SOUTH 43RD STREET
(ON CITY PLAN - LEGALLY OPEN)
(60' WIDE - 13'-34'-13')

SIDE TO THE EAST
SIDE OF SANSOM STREET
(60' WIDE - 13'-34'-13')



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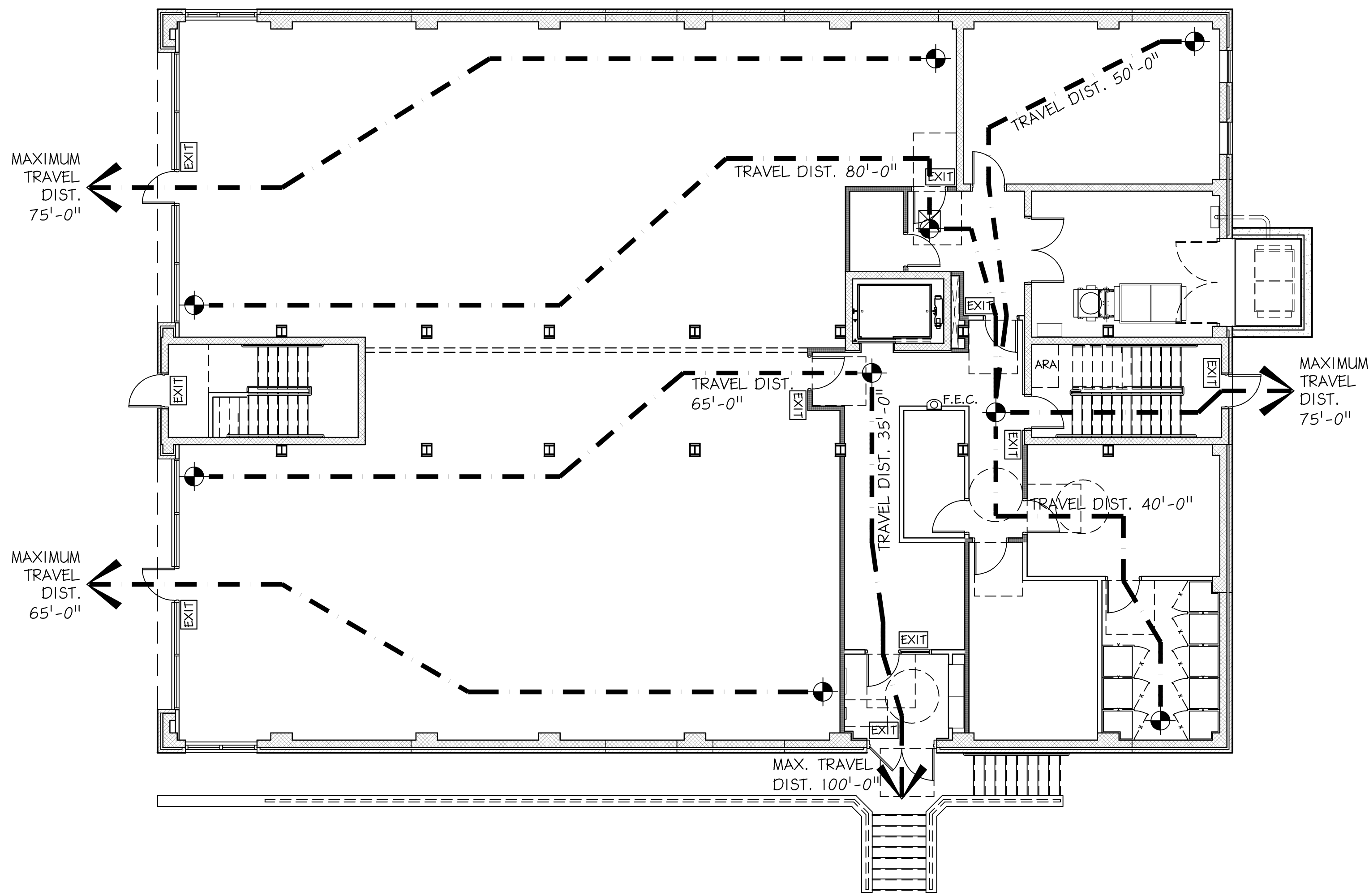
SITE PLAN

SHEET NUMBER

SP-1

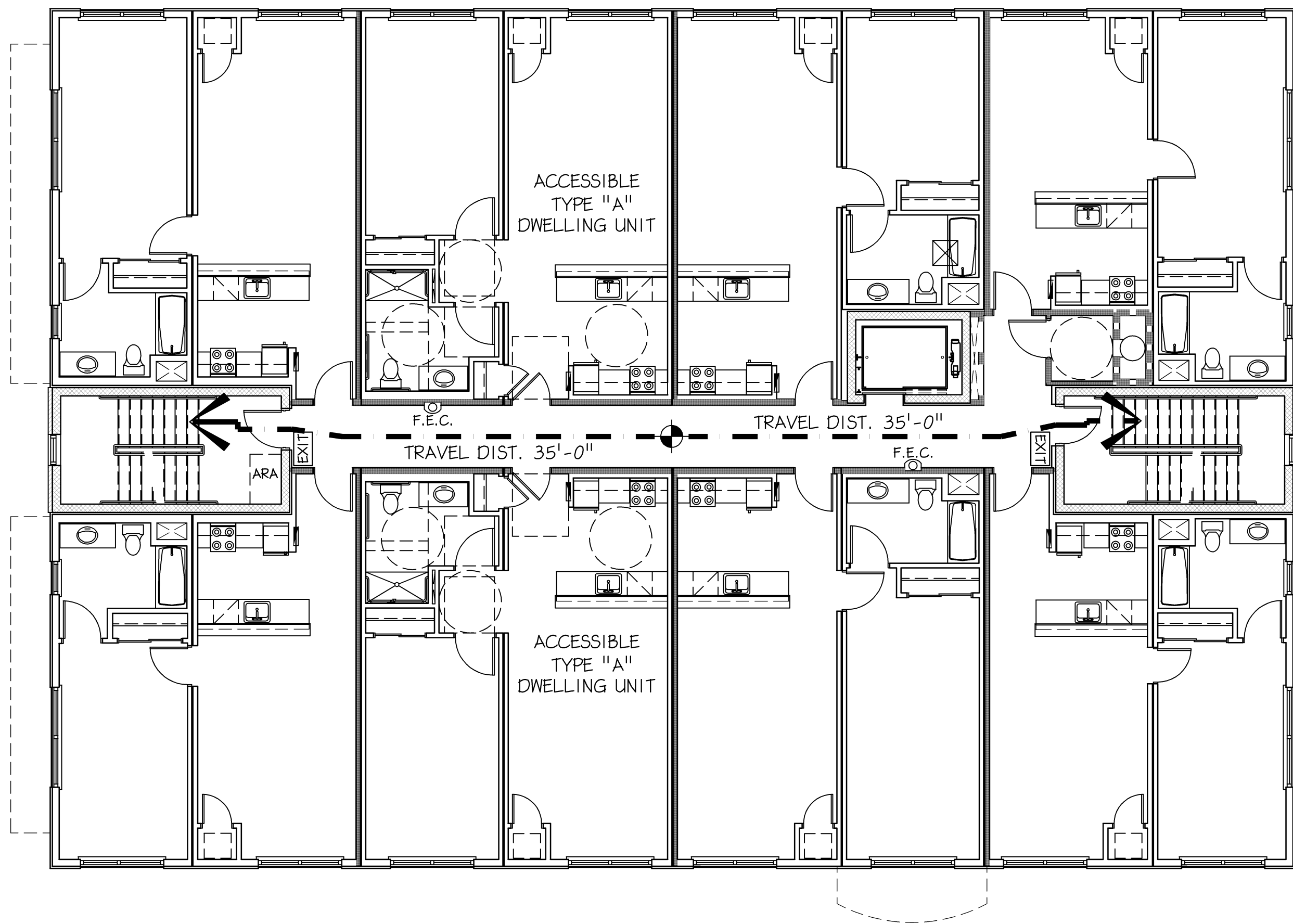
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BUILDING CODE INFORMATION (PHILADELPHIA BUILDING CODE)		
PENNSYLVANIA UNIFORM CONSTRUCTION CODE / PHILADELPHIA BUILDING CODE EDITION AMENDED FEB-07-2010 (BASED ON IBC 2009)		
DESCRIPTION	DATA	REFERENCE/REMARKS
JURISDICTION: PHILADELPHIA, PENNSYLVANIA		
ZONING: ZONED R-9 (RESIDENTIAL DISTRICT)		
USE AND OCCUPANCY CLASSIFICATION (MIXED USE)	USE GROUP: M OR B - MERCHANTILE OR BUSINESS E R-2 - APARTMENTS	IBC SECTION 309.1 OR 304.1 310.1
BUILDING CONSTRUCTION TYPE	TYPE 5A - CONSTRUCTION IN WHICH THE STRUCTURAL ELEMENTS, EXTERIOR WALLS & INTERIOR BUILDING ELEMENTS ARE OF ANY MATERIAL AS PERMITTED BY THIS CODE & FULLY SPRINKLERED BUILDINGS	IBC SECTION 602.5
ALLOWABLE BUILDING HEIGHT & FLOOR AREA	USE GROUP: M FULLY SPRINKLERED = 4-STORIES, 14,000 GSF USE GROUP: B FULLY SPRINKLERED = 4-STORIES, 18,000 GSF USE GROUP: R-2 FULLY SPRINKLERED = 4-STORIES, 54,000 GSF USE GROUP: R-2 FULLY SPRINKLERED = 4-STORIES, 12,000 GSF FULLY SPRINKLERED = 4-STORIES, 36,000 GSF	IBC TABLE 503 IBC SECTION 506.3 IBC TABLE 503 IBC SECTION 506.3 IBC TABLE 503 IBC SECTION 506.3
NEW BUILDING HEIGHT & FLOOR AREA	USE GROUP: M OR B = 1-STORY, 6,917 GSF USE GROUP: R-2 = 4-STORIES, 27,943 GSF BUILDING TOTAL = 5-STORY, 34,860 GSF	ALL WITHIN ALLOWABLE LIMITS
REQUIRED USE SEPARATION WITHIN BUILDING	USE GROUP: M OR B TO USE GROUP: R-2	IBC TABLE 508.4 - 1 HOUR (S)
HORIZONTAL BUILDING SEPARATION	SEPARATE SINGLE STORY USE GROUPS: M OR B FROM A FOUR STORY USE GROUP: R-2 BY A 3-HR HORIZONTAL ASSEMBLY. TYPE 1A CONSTRUCTION & EGRESS PATHS AND STAIRWAYS HAVE A 2-HR ASSEMBLY	IBC SECTION 509.2
FIRE RESISTIVE CONSTRUCTION M OR B USE	TYPE 1A CONSTRUCTION - RATING IN HRS	IBC TABLE 601
PRIMARY STRUCTURAL FRAME	3 HOUR	IBC TABLE 601
EXTERIOR BEARING WALLS	3 HOUR	IBC TABLE 601
INTERIOR BEARING WALLS	3 HOUR	IBC TABLE 601
INTERIOR NONBEARING WALLS & PARTITIONS	0 HOUR	IBC TABLE 601
FLOOR CONSTRUCTION & SECONDARY MEMBERS	2 HOUR	IBC TABLE 601
ROOF CONSTRUCTION & SECONDARY MEMBERS	1-1/2 HOUR	IBC TABLE 601
FIRE RESISTIVE CONSTRUCTION R-2 USE	TYPE 5A CONSTRUCTION - RATING IN HRS	IBC TABLE 601
PRIMARY STRUCTURAL FRAME	1 HOUR	IBC TABLE 601
EXTERIOR BEARING WALLS	1 HOUR	IBC TABLE 601
INTERIOR BEARING WALLS	1 HOUR	IBC TABLE 601
INTERIOR NONBEARING WALLS & PARTITIONS	0 HOUR	IBC TABLE 601
FLOOR CONSTRUCTION & SECONDARY MEMBERS	1 HOUR	IBC TABLE 601
ROOF CONSTRUCTION & SECONDARY MEMBERS	1 HOUR	IBC TABLE 601
THERMAL & SOUND INSULATING MATERIAL	CONCEALED: FLAME SPREAD OF 25 OR LESS SMOKE DEVELOPMENT OF 450 OR LESS EXPOSED: FLAME SPREAD OF 25 OR LESS SMOKE DEVELOPMENT OF 450 OR LESS	IBC SECTION 719
INTERIOR FINISHES	USE GROUP B OR M EXIT ENCLOSURES & PASSAGEWAYS - B CORRIDORS - C ROOMS & ENCLOSED SPACES - C USE GROUP R-2 EXIT ENCLOSURES & PASSAGEWAYS - C CORRIDORS - C ROOMS & ENCLOSED SPACES - C	IBC SECTION 803 - TABLE 803.9 IBC SECTION 803 - TABLE 803.9
AUTOMATIC SPRINKLER SYSTEM	USE GROUP M OR B E R-2 (FULLY SPRINKLERED)	PER IBC SECTION 903
PORTABLE FIRE EXTINGUISHERS	USE GROUPS M OR B E R-2	REQUIRED PER IBC SECTION 906.1 & IFC SECTION 201.4
FIRE ALARM AND DETECTION SYSTEMS	USE GROUP M OR B E R-2	PER IBC SECTION 907.2.2, 907.2.7 & 907.2.9
OCCUPANT LOAD - TENANT SPACE	USE GROUP M / B = 6,917 GSF / 30 = 230 PERSONS R-2 = 27,943 GSF / 200 = 139 PERSONS	PER IBC TABLE 1004.1.2
EGRESS WIDTH	M OR B E R-2 USE: STAIRWAYS: (R-2 USE ONLY) (1.99 x 0.3) = 41.7" REQUIRED / 88" PROVIDED OTHER EGRESS COMPONENTS: (3.60 x 0.3) = 73.8" REQUIRED / 180" PROVIDED	IBC SECTION 1005.1
MEANS OF EGRESS LIGHTING	LIGHTING SHALL BE COMPLIANT	IBC SECTION 1006
ACCESSIBLE MEANS OF EGRESS	ONE (1) NEW AREA OF REFUGE PER FLOOR WITHIN THE R-2 USE	IBC SECTION 1007
DOORS, GATES & TURNSTILES	DESIGN IS CODE COMPLIANT	IBC SECTION 1008
STAIRWAYS	NEW STAIRS WILL BE COMPLIANT (44" MIN. WIDTH)	IBC SECTION 1009
RAMPS	NO NEW RAMPS ANTICIPATED IN DESIGN	IBC SECTION 1010
EXIT SIGNS	NEW SIGNAGE TO BE CODE COMPLIANT	IBC SECTION 1011
HANDRAILS	NEW HANDRAILS WILL BE COMPLIANT	IBC SECTION 1012
GUARDRAILS	NEW GUARDRAILS WILL BE COMPLIANT	IBC SECTION 1013
EXIT ACCESS	DESIGN IS CODE COMPLIANT	IBC SECTION 1014
EXIT AND EXIT ACCESS DOORWAYS	DESIGN IS CODE COMPLIANT; TWO (2) EXITS REQUIRED FOR EACH USE; TWO (2) EXITS PROVIDED FOR EACH USE	IBC SECTION 1015
EXIT TRAVEL DISTANCE	USE GROUP M OR B ALLOWABLE PER TABLE 1016.1 = 250 FEET (MAX.) PROVIDED - SEE DRAWING; DESIGN IS CODE COMPLIANT USE GROUP R-2 ALLOWABLE PER TABLE 1016.1 = 300 FEET (MAX.) PROVIDED - SEE DRAWING; DESIGN IS CODE COMPLIANT	IBC SECTION 1016 & TABLE 1016.1
CORRIDORS	CORRIDORS IN THE R-2 USE 0.5-HOUR REQUIRED; 1-HOUR PROVIDED	IBC SECTION 1018
CORRIDOR WIDTH	CORRIDORS SHALL BE A REQUIRED MINIMUM OF 44" WIDE / 60" PROVIDED	IBC SECTION 1018.2
CORRIDOR DEAD ENDS	DEAD END CORRIDORS IN M OR B E R-2 USE SHALL BE LESS THAN 50 FEET	IBC SECTION 1018.4
EXITS	DESIGN IS CODE COMPLIANT	IBC SECTION 1020
NUMBER OF EXITS AND CONTINUITY	DESIGN IS CODE COMPLIANT; TWO (2) EXITS REQUIRED; TWO (2) EXITS PROVIDED	IBC SECTION 1021 & TABLE 1021.1
EXIT ENCLOSURES	DESIGN IS CODE COMPLIANT	IBC SECTION 1022
EXIT PASSAGEWAYS	DESIGN IS CODE COMPLIANT	IBC SECTION 1023
HORIZONTAL EXITS	DESIGN IS CODE COMPLIANT	IBC SECTION 1025
EXIT DISCHARGE	DESIGN IS CODE COMPLIANT	IBC SECTION 1027



1 LIFE SAFETY GROUND FLOOR PLAN
LS-1 Scale: 1/8" = 1'-0"

- NOTES:
- SEE SEE SHEET E-8 FOR ADDITIONAL LIFE SAFETY EMERGENCY LIGHTING & EXIT DEVICES
 - SEE SEE SHEET E-13 FOR ADDITIONAL LIFE SAFETY FIRE ALARM DEVICE LOCATIONS



2 LIFE SAFETY UPPER FLOORS PLAN
LS-2 Scale: 1/8" = 1'-0"

- NOTES:
- SEE SEE SHEET E-9, E-10, E-11 & E-12 FOR ADDITIONAL LIFE SAFETY EMERGENCY LIGHTING & EXIT DEVICES
 - SEE SEE SHEET E-14 & E-15 FOR ADDITIONAL LIFE SAFETY FIRE ALARM DEVICE LOCATIONS

LEGEND	
	EMERGENCY LIGHTING
	LIGHTED EMERGENCY EXIT SIGN
	EMERGENCY HORN / STROBE
	FIRE ALARM MANUAL PULL STATION
	FIRE EXTINGUISHER CABINET

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Karin W. Kuhn, PE

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APPROVED BY
Robin J. Kohn, AIA

CURRENT DATE
November 04, 2015

SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

SHEET TITLE
**LIFE SAFETY PLAN
CODE & REFERENCE
INFORMATION**

SHEET NUMBER
LS-1

REV
2

PROJECT NO.		DRAWN BY		CHK'D BY		
B3907		EMH		EMH		
NO.	DATE	BY	ISSUE			
1	05-15-2015	EMH	ISSUED FOR PERMIT			
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APPROVED BY	CURRENT DATE
Robin J. Kohn, AIA	May 15, 2015

SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

SHEET TITLE
ADA DETAILS

SHEET NUMBER

LS-2

REV
1

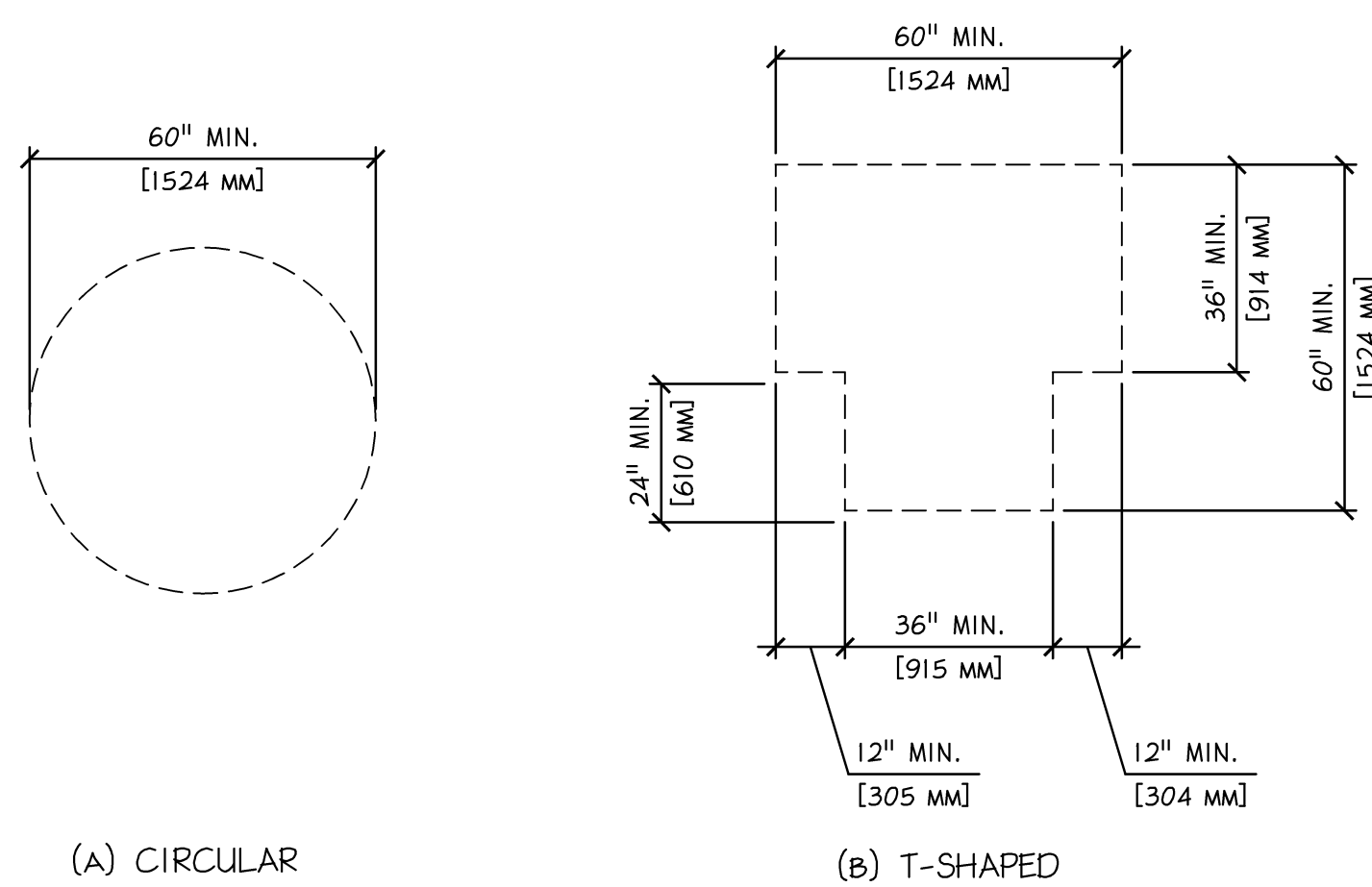


FIG. 304.3
SIZE OF TURNING SPACE

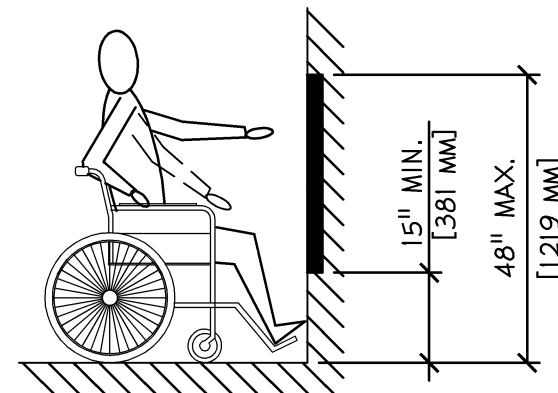


FIG. 308.2.1
UNOBSTRUCTED HIGH FORWARD REACH

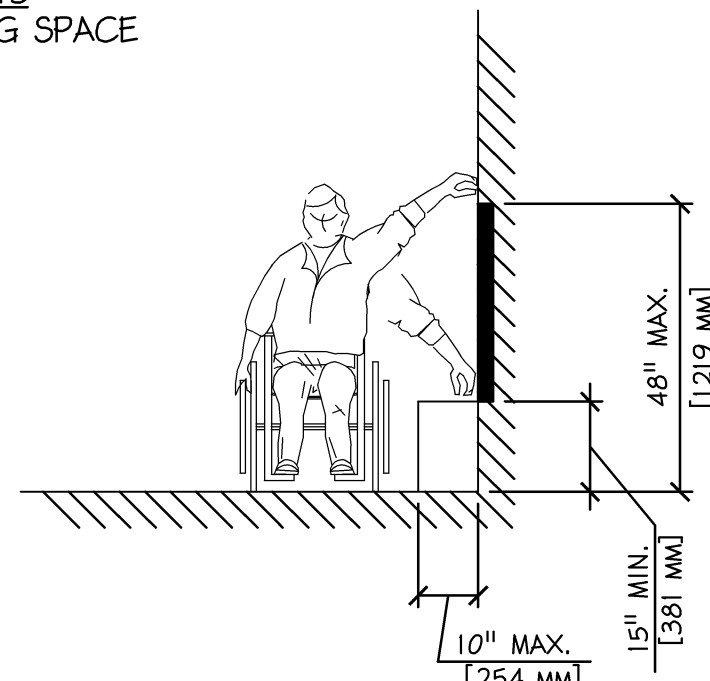


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

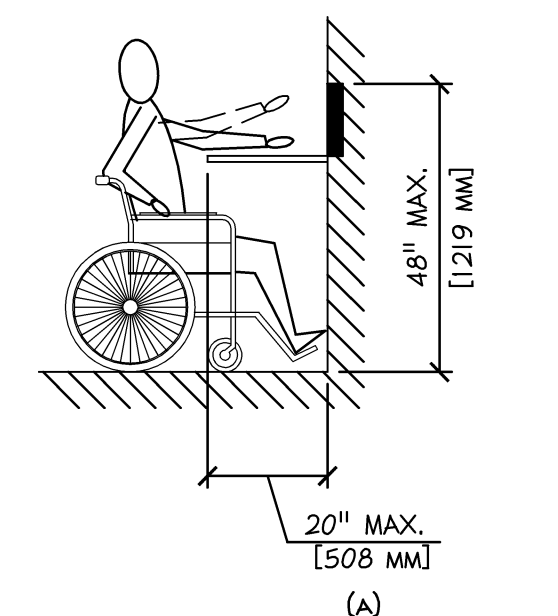


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

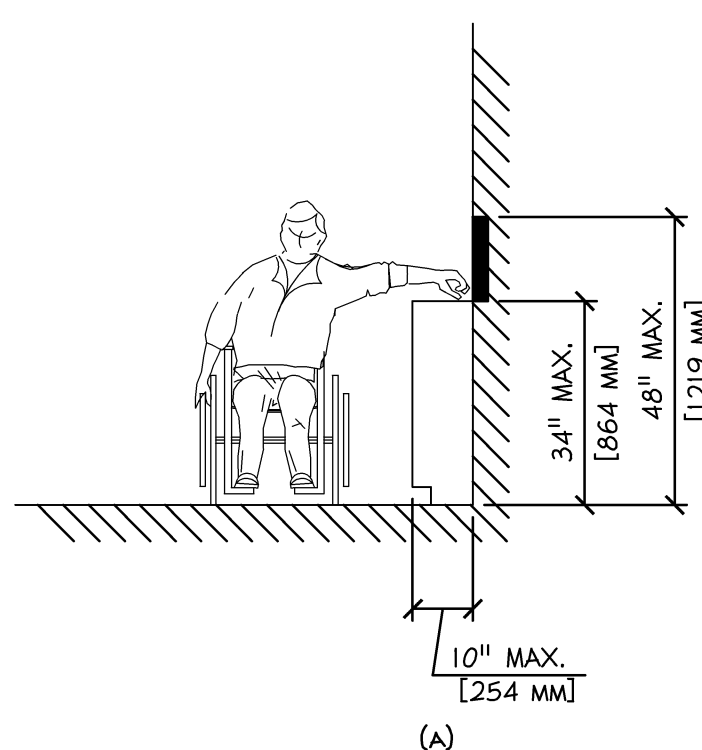
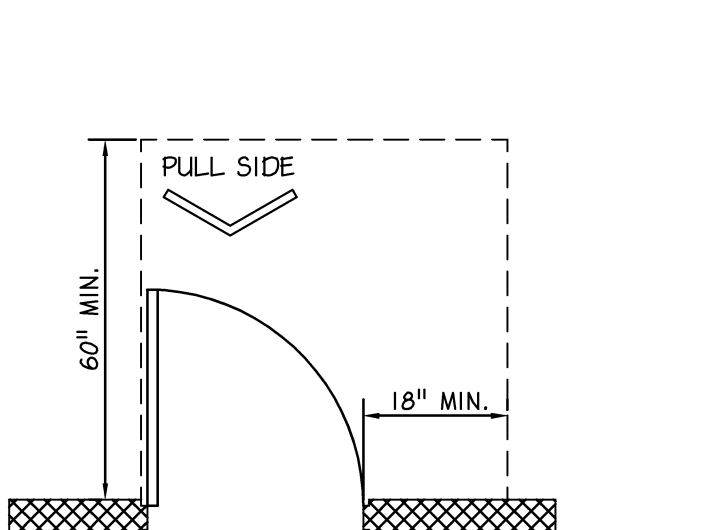
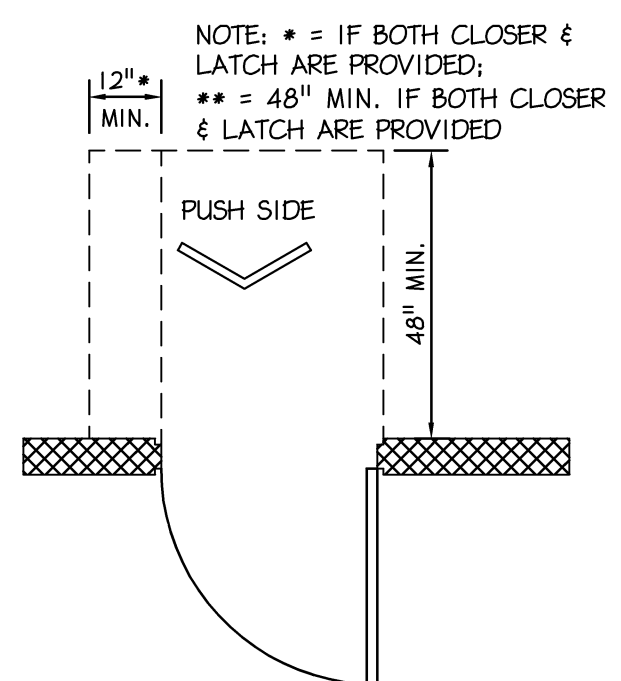


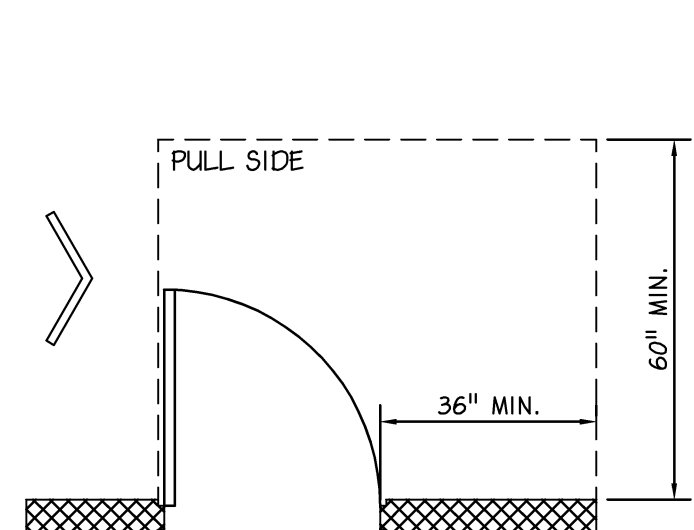
FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH



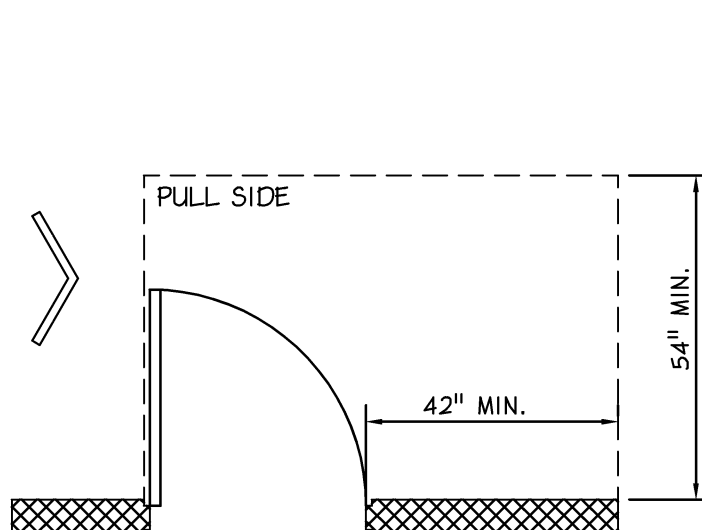
(A)
FRONT APPROACH - PULL SIDE



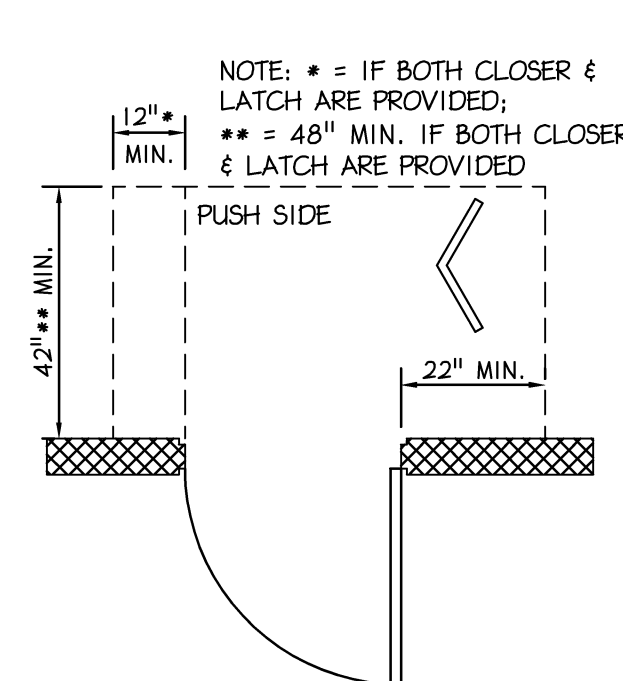
(B)
FRONT APPROACH - PUSH SIDE



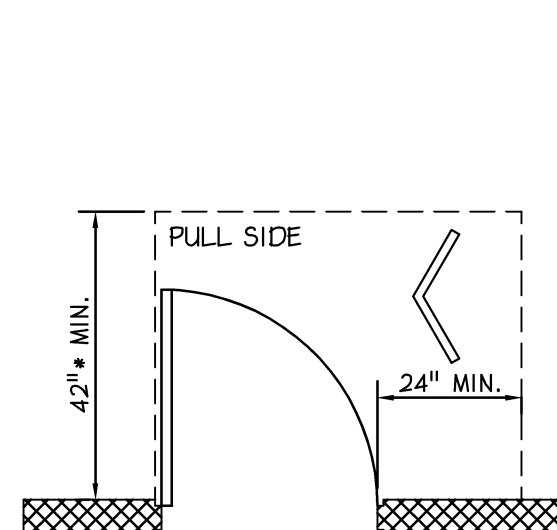
(C)
HINGE APPROACH - PULL SIDE



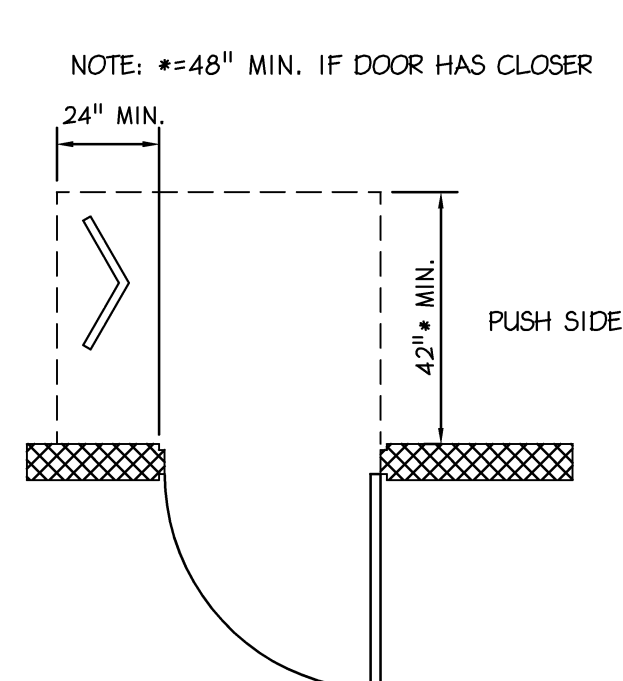
(D)
HINGE APPROACH - PUSH SIDE



(E)
HINGE APPROACH - PULL SIDE



(F)
LATCH APPROACH - PULL SIDE



(G)
LATCH APPROACH - PUSH SIDE

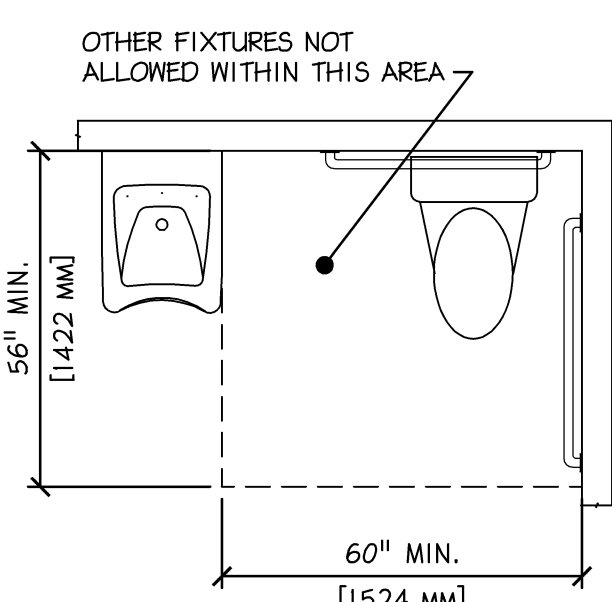


FIG. 604.3
SIZE OF CLEARANCE FOR WATER CLOSET

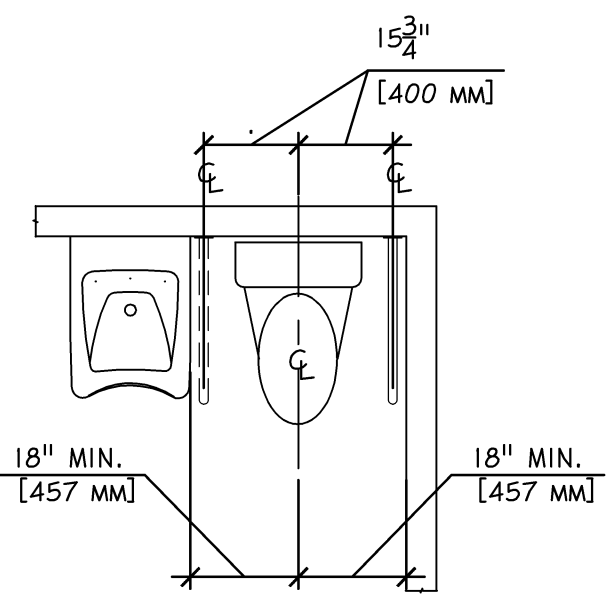
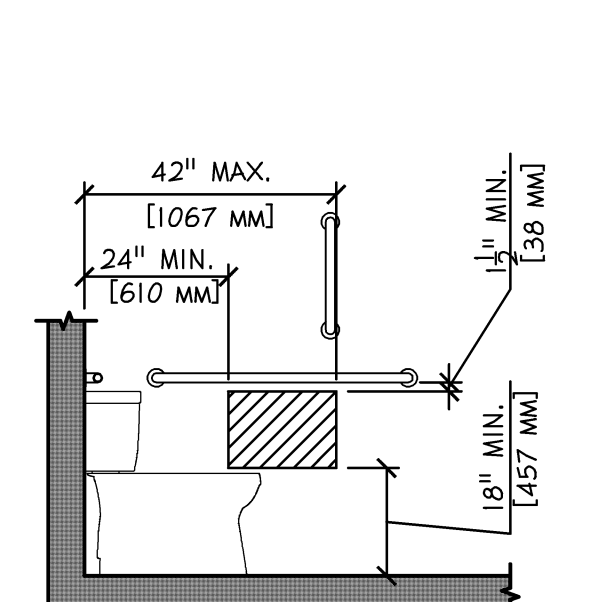
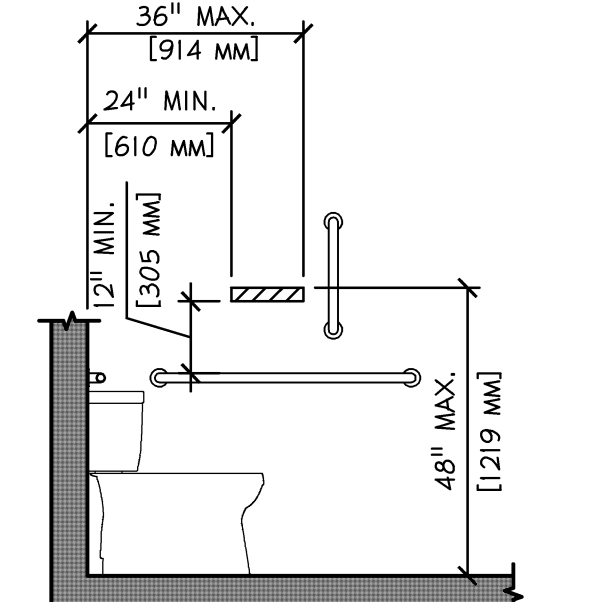


FIG. 604.5.3
SWING-UP GRAB BAR FOR WATER CLOSET



(A) PROTRUDING DISPENSER BELOW GRAB BAR



(B) PROTRUDING DISPENSER ABOVE GRAB BAR

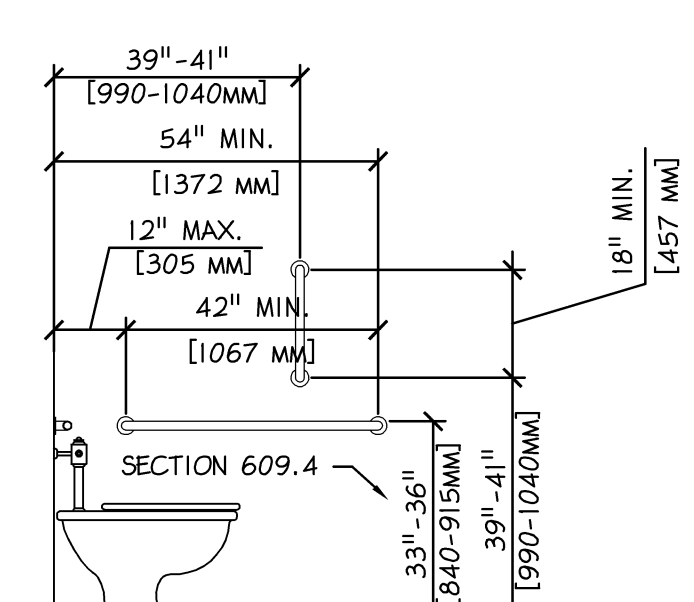


FIG. 604.5.1
SIDE WALL GRAB BAR FOR WATER CLOSET

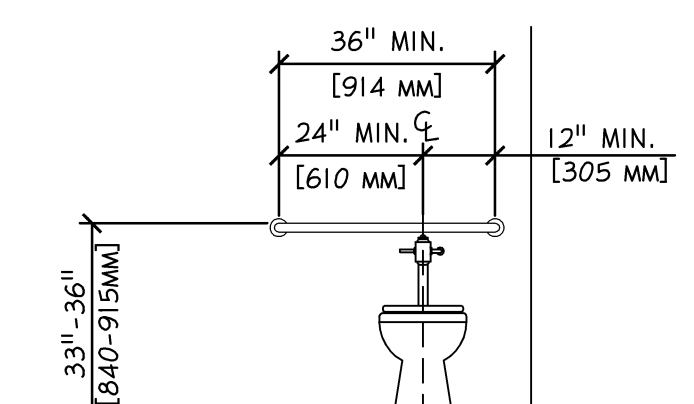


FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

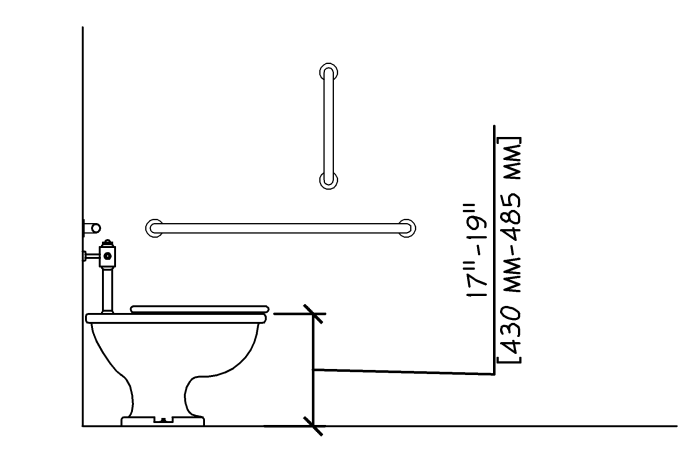


FIG. 604.4
WATER CLOSET HEIGHT

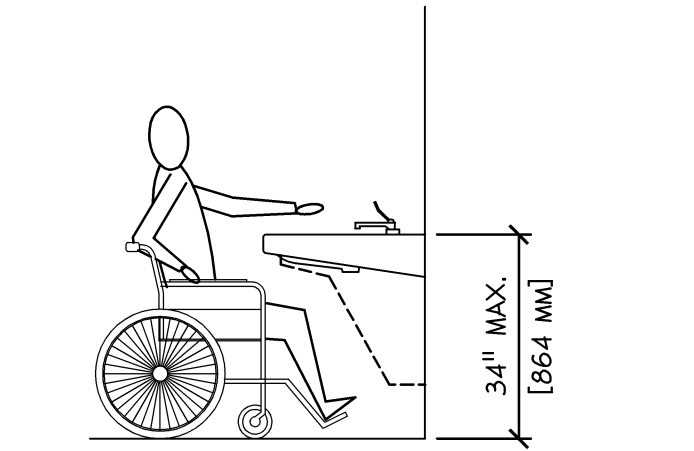
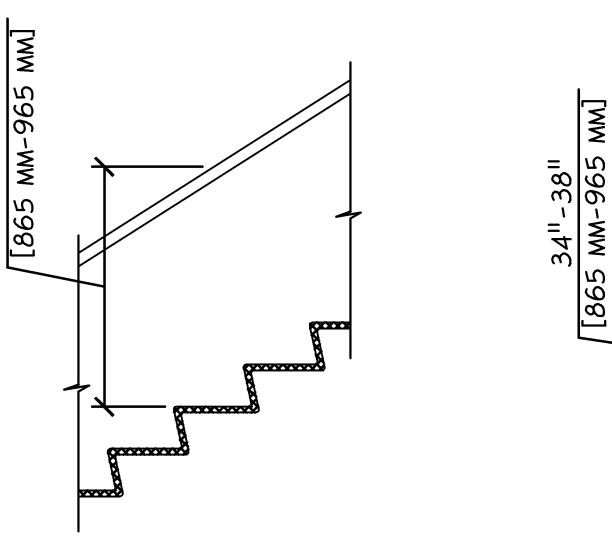
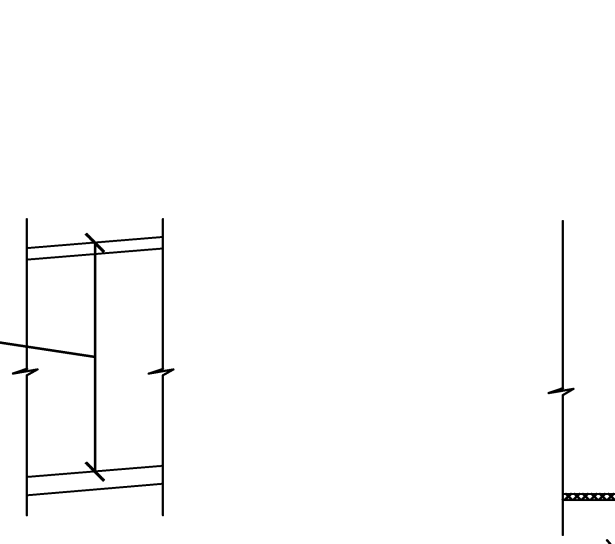


FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS



(A) STAIRS
FIG. 505.4
HANDRAIL HEIGHT



(B) RAMPS
FIG. 505.4
HANDRAIL HEIGHT

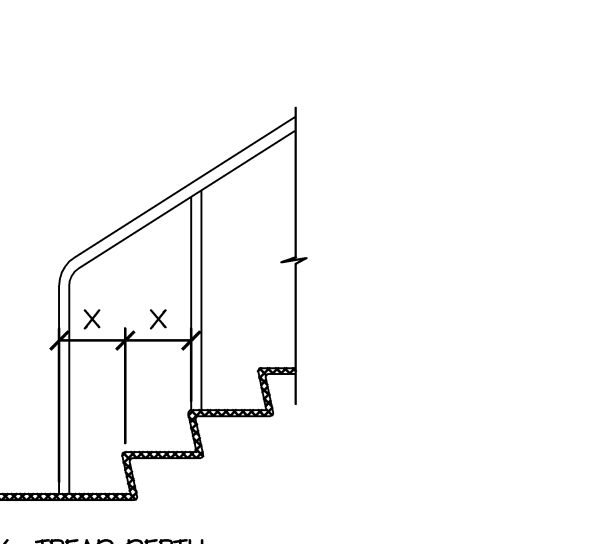


FIG. 505.10.3
BOTTOM HANDRAIL EXTENSIONS AT STAIRS

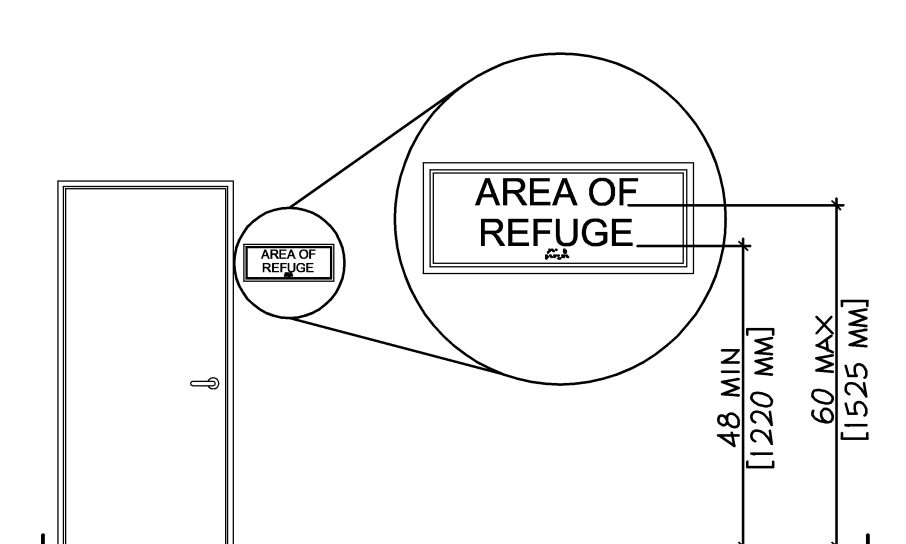


FIG. 703.3.10
HEIGHT OF RAISED CHARACTERS ABOVE FLOOR

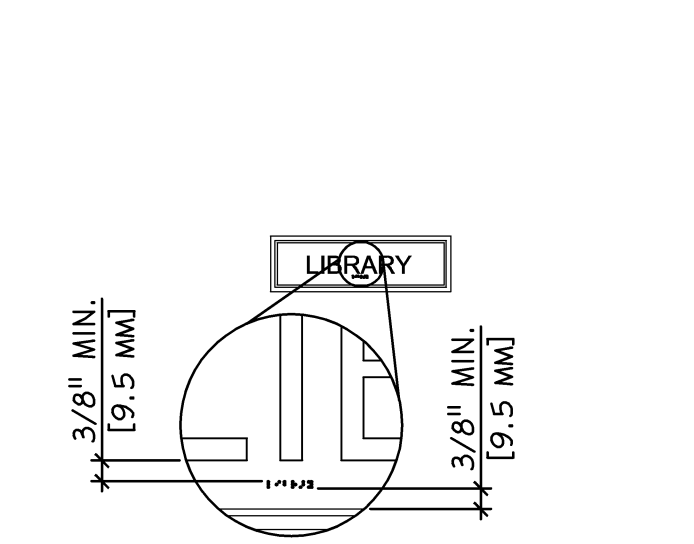
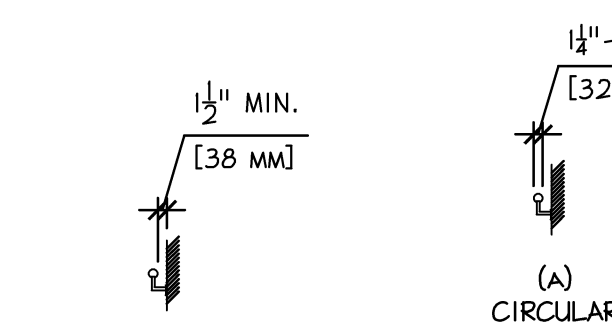
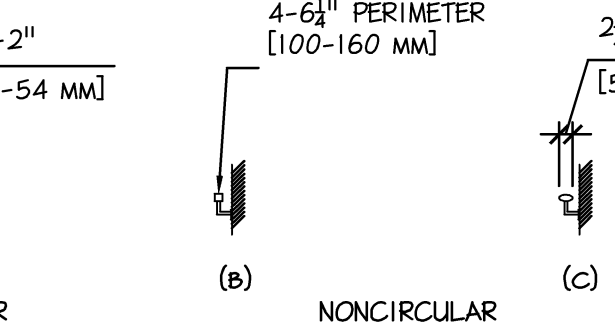


FIG. 703.4.4
POSITION OF BRAILLE



(A) CIRCULAR
FIG. 505.5
HANDRAIL CLEARANCE



(B) NONCIRCULAR
FIG. 505.7
HANDRAIL CROSS SECTION

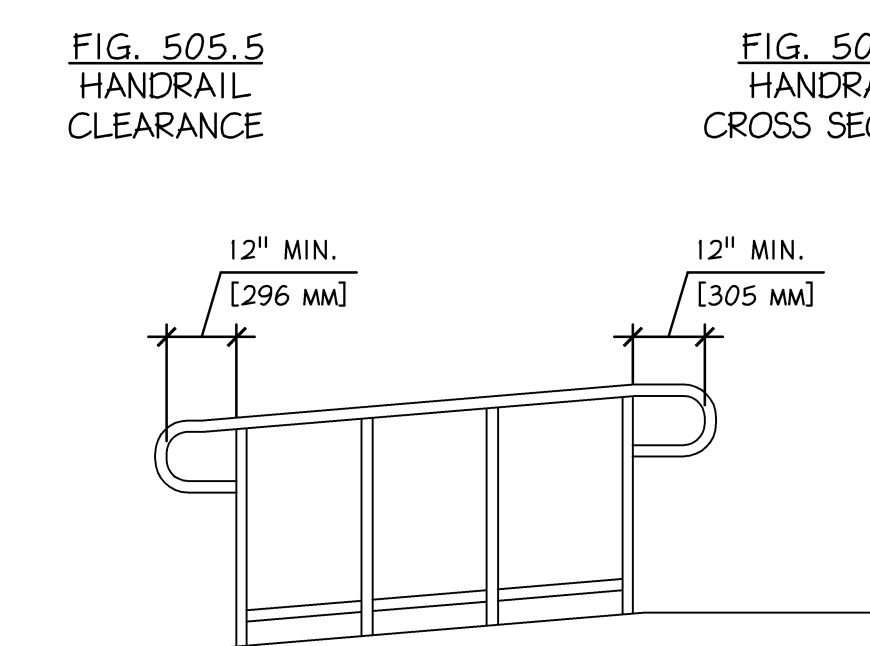


FIG. 505.10.1
TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

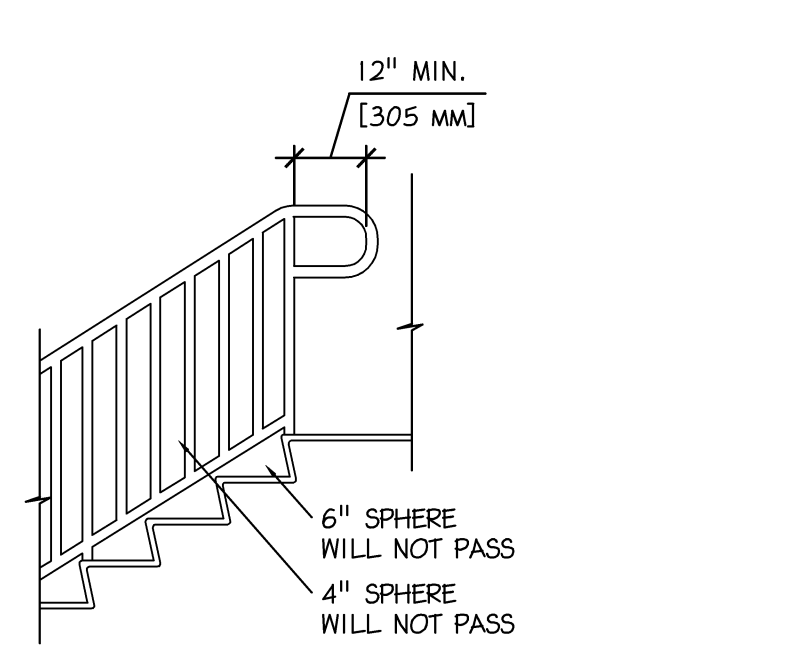


FIG. 505.10.2
TOP HANDRAIL EXTENSIONS AT STAIRS

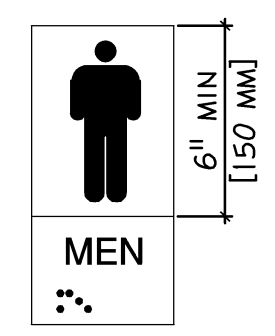


FIG. 703.5
PICTOGRAM FIELD

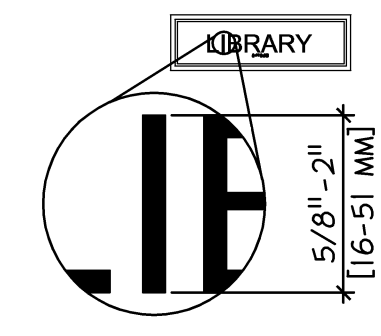


FIG. 703.3.5
CHARACTER HEIGHT

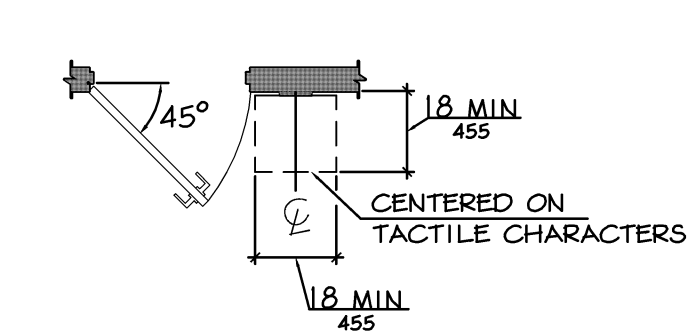


FIG. 703.3.11
LOCATION OF SIGNS AT DOORS

FIG. 404.2.3.2
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS

DIRECTION OF APPROACH

NOTE: THIS DRAWING DEPICTS GENERIC ADA DETAILS THAT WHEN USED WILL MAKE SITES, FACILITIES, BUILDINGS AND ELEMENTS ACCESSIBLE TO AND USABLE BY PEOPLE WITH SUCH PHYSICAL DISABILITIES AS THE INABILITY TO WALK, DIFFICULTY WALKING, RELIANCE ON WALKING AIDS, BLINDNESS AND VISUAL IMPAIRMENT, DEAFNESS AND HEARING IMPAIRMENT, INCOORDINATION, REACHING AND MANIPULATION DISABILITIES, LACK OF STAMINA, DIFFICULTY INTERPRETING AND REACTING TO SENSORY INFORMATION, AND EXTREMES OF PHYSICAL SIZE. NOT ALL FIGURES CONTAINED HEREIN ARE APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL REFER TO THIS DRAWING FOR CONSTRUCTION GUIDANCE FOR ALL FIGURES THAT ARE APPLICABLE EITHER BY DEPICTION OR REFERENCE ON THE ARCHITECTURAL DRAWINGS, OR TO COMPLY WITH CHAPTER 11 OF THE 2012 INTERNATIONAL BUILDING CODE (IBC) ENTITLED "ACCESSIBILITY".

Design No. U914

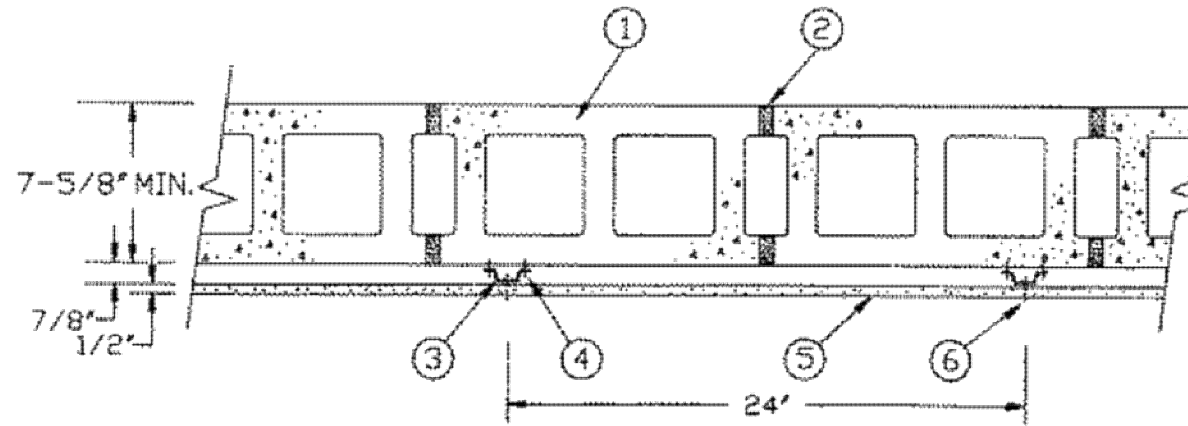
October 30, 2014

Bearing Wall Rating — 3 HR.

Nonbearing Wall Rating — 3 HR.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7.

* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.



- Concrete Blocks*** — Various designs. Classification D-2 (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.
- Mortar** — Blocks laid in full bed of mortar, nom 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
- Furring Channels** — Min 0.019 in. thick 25 gauge galv steel, 1-3/8 in. wide on top and 2-9/16 in. or 2-3/4 in. or 2-23/32 in. wide at bottom by 7/8 in. deep. Spaced 24 in. OC perpendicular to floor with a channel parallel to and approximately 3 in. above floor and 3 in. below ceiling. Clearance between vertical and horizontal channels 1/2 in.
- Channel Fasteners** — 1-1/4 in. long masonry screws with 3/16 in. body and 5/16 in. diameter head. Fasteners spaced 24 in. O.C. with the fasteners staggered on each long leg of the furring channel.

4A. Steel Framing Members* — Alternate method used to attach furring channels (Item 3) to concrete blocks (Item 1). Clips spaced 48 in. O.C. and secured to blocks with 1/4 in. dia. by 3 in. long concrete expansion anchor (Item 4B) through the center grommet. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 furring screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Furring channels are friction fitted into clips. RSJC-1 clip for use with 2-9/16 in. wide furring channels. RSJC-1 (2-75) clip for use with 2-23/32 in. wide furring channels.

4B. Concrete Expansion Anchor — (Not Shown) — 1/4 in. dia. by 3 in. long carbon steel, pre-assembled, nail drive expansion anchor with mushroom head driven into the web of the concrete block. Min. embedment in concrete block of 1-3/8 in. and evaluated in accordance with ASTM E-488 to have ultimate load capacities of 980 lbs (tension) and 1400 lbs (shear) when used in 2000 psi concrete.

4C. Steel Framing Members* — (Not Shown) — Alternate method used to attach furring channels (Item 3) to concrete blocks (Item 1). Clips spaced 24 in. O.C. and secured to blocks with 1/4 in. dia. by 3 in. long concrete expansion anchor (Item 4B) through the center hole. Ends of adjoining channels are overlapped 6 in. and secured together with four self-tapping No. 8x12 Self-Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Furring channels are friction fitted into clips. Side joint furring channels shall be attached to concrete blocks with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. O.C. approximately 1/2 in. from joint edge.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

5. Gypsum Board* — 1/2 in. thick, 4 ft wide, secured to furring channels with wallboard fasteners (Item 6). Gypsum plaster not more than 1/16 in. thick may be applied to wallboard in addition to joint treatment.

ACADIA DRYWALL SUPPLIES LTD. — Type C
AMERICAN GYPSUM CO. — Types AG-C
CERTAINTEED GYPSUM INC. — Type C
COC INC. — Types C, IP-X2, IPC-AR

CONTINENTAL BUILDING PRODUCTS OPERATING CO., L.L.C. — Type LGFC-C/A
GEORGIA PACIFIC GYPSUM L.L.C. — Types S, DAPC, TD-C
NATIONAL GYPSUM CO. — Types EXP-C, FSK-C, FSW-C, FSRM-C
PARCO BUILDING PRODUCTS L.L.C. DBA PARCO GYPSUM — Type PG-C

PANEL REYS A. — Type PRG
THAI GYPSUM PRODUCTS PCL. — Type C
UNITED STATES GYPSUM CO. — Types C, IP-X2, IPC-AR
USG MEXICO S A DE C V. — Types C, IP-X2, IPC-AR

5A. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick. Installed as described in Item 5.

6. Wallboard Fasteners — 1 in. long, self-drilling, self-tapping steel screws with bugle heads. Fasteners attached to each furring channel and spaced 8 in. OC at butt joints and 12 in. OC in the field of the board parallel with furring channels. Clearance between fasteners and edges of wallboard 3/4 in.

7. Joint System — (Not shown) — Paper tape embedded in conventional compound over joints. Paper tape and exposed screw heads covered with two layers of compound. Edges of compound feathered out.

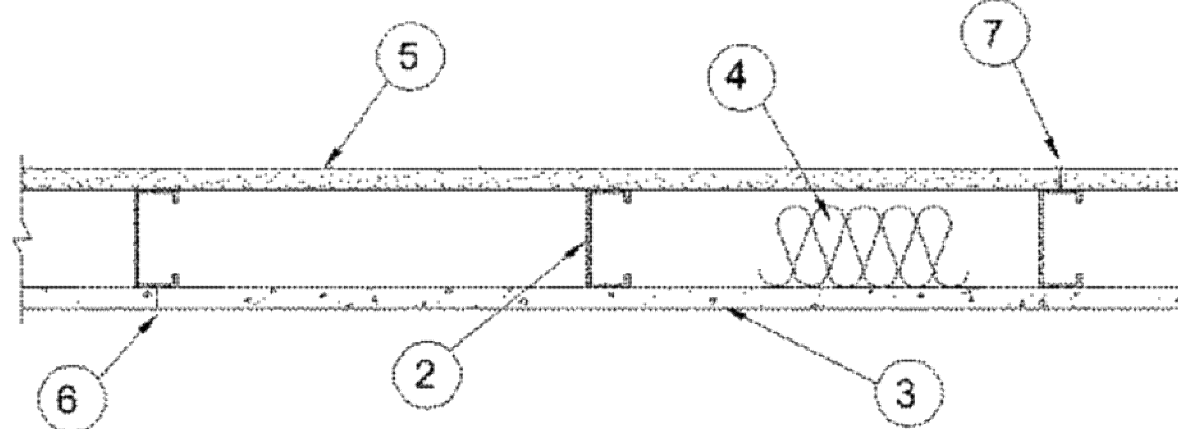
* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.

Design No. U404

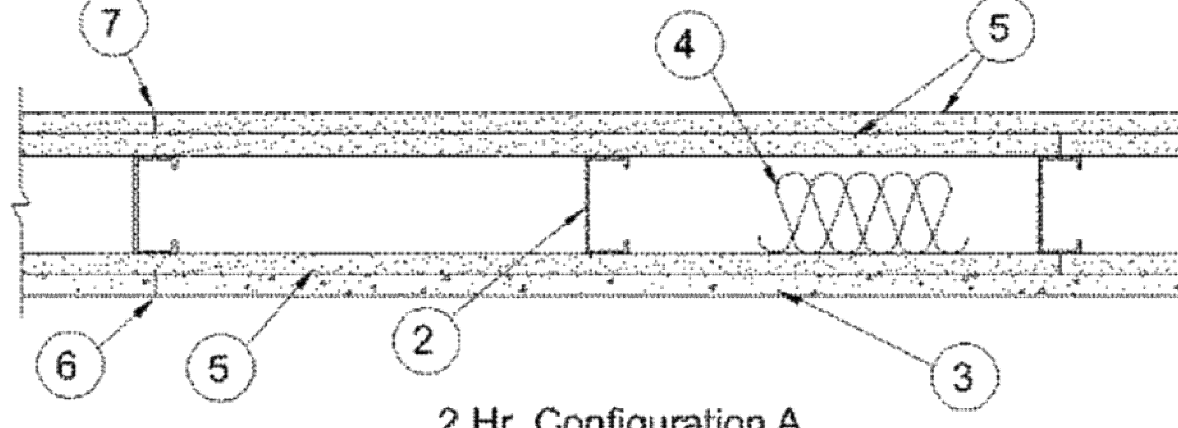
January 27, 2014

Nonbearing Wall Rating — 1 and 2 Hr (See Items 3 and 5)

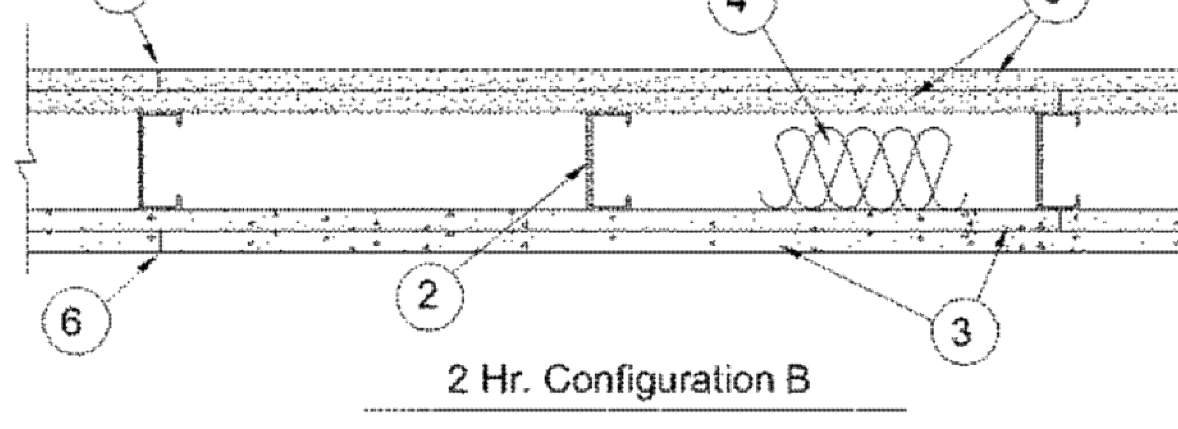
* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.



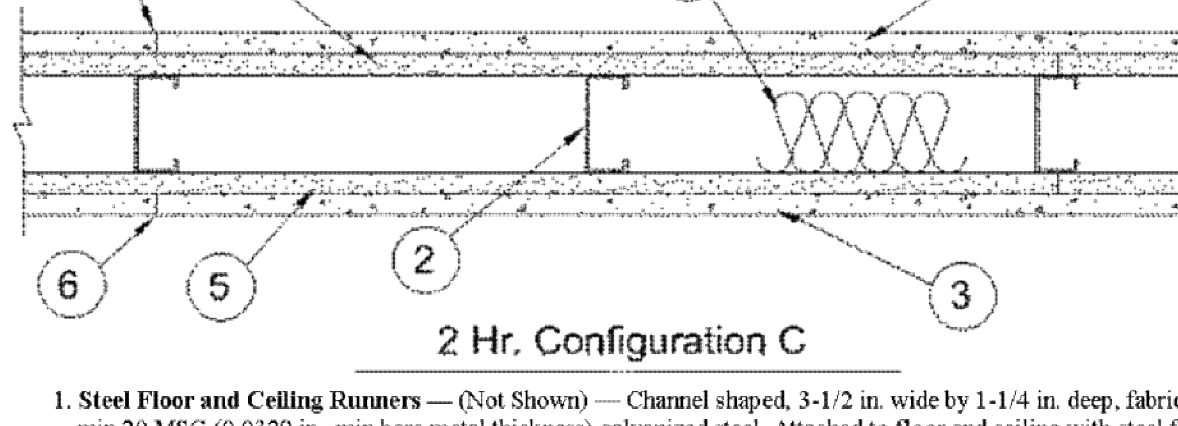
1 Hr. Configuration



2 Hr. Configuration A



2 Hr. Configuration B



2 Hr. Configuration C

1. Steel Floor and Ceiling Runners — (Not Shown) — Channel shaped, 3-1/2 in. wide by 1-1/4 in. deep, fabricated from min 20 MS5 (0.0525) in. min bare metal thickness galvanized steel. Attached to floor and ceiling with steel fasteners spaced 24 in. O.C. max.

2. Steel Studs — Channel shaped, fabricated from min 20 MS5 corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. O.C. Studs fabricated into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

3. Cementitious Backer Units* — 1/2 in. or 3/8 in. thick, applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with corrosion resistant, channeled, ribbed washer head screws with a minimum head diameter of .400 inch. For nonbearing systems, fastened to studs and bottom runners with the uppermost screws placed 1/2 in. to 2 in. below the bottom edge of the leg of the top runner. Horizontal joints need not be backed by framing. **1 Hr System** - Screws shall be min 1-1/4 in. long spaced a max of 8 in. O.C. All vertical joints staggered one stud cavity from gypsum board vertical joints on the opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. **2 Hr System** - Base layer with an overlying gypsum board face layer, fastened with 1 in. long screws spaced max 16 in. O.C. to studs and runners. Base layer with an overlying cement board face layer, fastened with 1 in. long screws spaced max 12 in. O.C. to studs and runners. Face layers fastened with 1-5/8 in. long screws spaced max 16 in. O.C. to studs and runners with screws offset 8 in. from face layer screws. Face layer joints offset min 12 in. from base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall. When used in walls other than 48 in. gypsum panels to be installed horizontally.

4. Bolts and Brackets* — Min 3 in. thick mineral wool insulation batts, friction-fitted between studs.

5. Gypsum Board* — 5/8 in. thick, with square or tapered edges, applied vertically or horizontally with vertical joints centered over studs. Horizontal joints need not be backed by framing. Fastened with 1 in. long screws spaced max 8 in. O.C. at vertical edges and spaced max 12 in. O.C. in the field. For horizontal application, fastened to studs and runners with 1 in. long screws spaced max 8 in. O.C. Vertical joints staggered one stud cavity from cement board vertical joints on opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. **2 Hr System** - Base layer with an overlying gypsum board face layer, fastened with 1 in. long screws spaced max 16 in. O.C. to studs and runners. Base layer with an overlying cement board face layer, fastened with 1 in. long screws spaced max 12 in. O.C. to studs and runners. Face layers fastened with 1-5/8 in. long screws spaced max 16 in. O.C. to studs and runners with screws offset 8 in. from face layer screws. Face layer joints offset min 12 in. from base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall. When used in walls other than 48 in. gypsum panels to be installed horizontally.

6. Min Hearing — 1-1/2 in. for assembly rating of 3 hr or less and 3 in. for assembly rating of 4 hr.

* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.

7. End Detail — Restrainted and Unrestrained

8. Joint — (Not Shown) — Crooked full length with void cement grout unless course topping is used

9. End Clearance — Clearance for expansion at each end of slab shall be equal to (L/7) x (1/4) (max)

10. Min Hearing — 1-1/2 in. for assembly rating of 3 hr or less and 3 in. for assembly rating of 4 hr.

* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.

11. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

12. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

13. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

14. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

15. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

16. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

17. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

18. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

19. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

20. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

21. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

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24. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

25. Lead Batten Strips — (Not Shown, For Use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of the studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201F, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.

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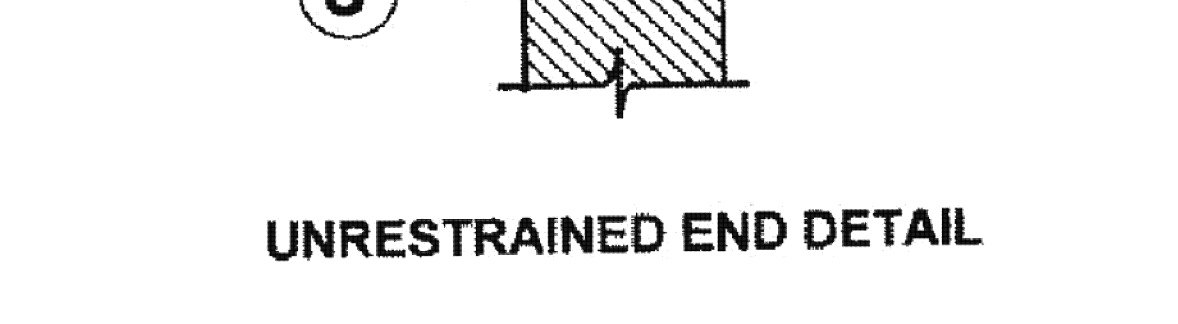
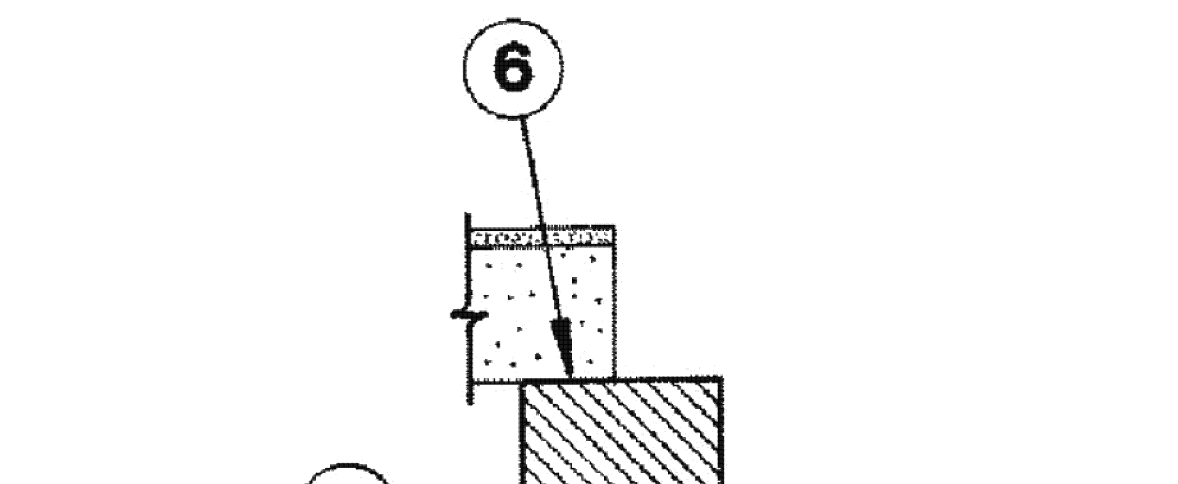
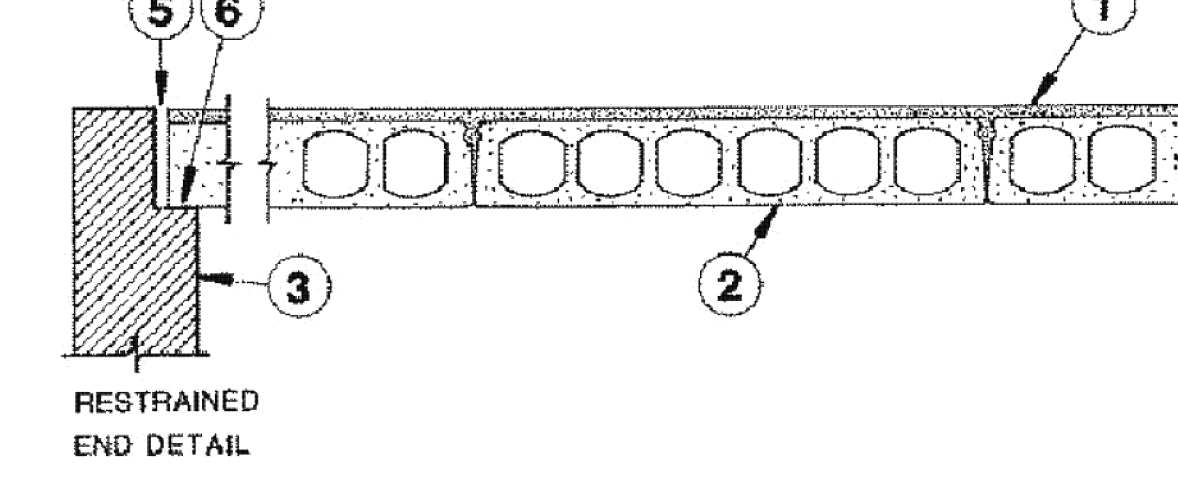
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BXUV - Fire Resistance Ratings - ANSIUL 263
BXUV7 - Fire Resistance Ratings - CANULC-S101 Certified for Canada
See General Information for Fire Resistance Ratings - ANSIUL 263
See General Information for Fire Resistance Ratings - CANULC-S101 Certified for Canada

Design No. J992
November 23, 2014
Restrained Assembly Ratings — 2, 3 and 4 Hr.
Unrestrained Assembly Rating — 2 Hr.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7.

* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.



Assembly Rating Hr	Min Topping Thickness In.
2	0
3	1-1/2
4	2-5/8

CORE SLAB STRUCTURE INC.
CORE SLAB STRUCTURE (ONT) INC.
GAGE BROS CONCRETE PRODUCTS INC.
LARRY E KNIGHT INC.
SAT-CORE INC.

3. End Detail — Restrainted and Unrestrained

4. Joint — (Not Shown) — Crooked full length with void cement grout unless course topping is used

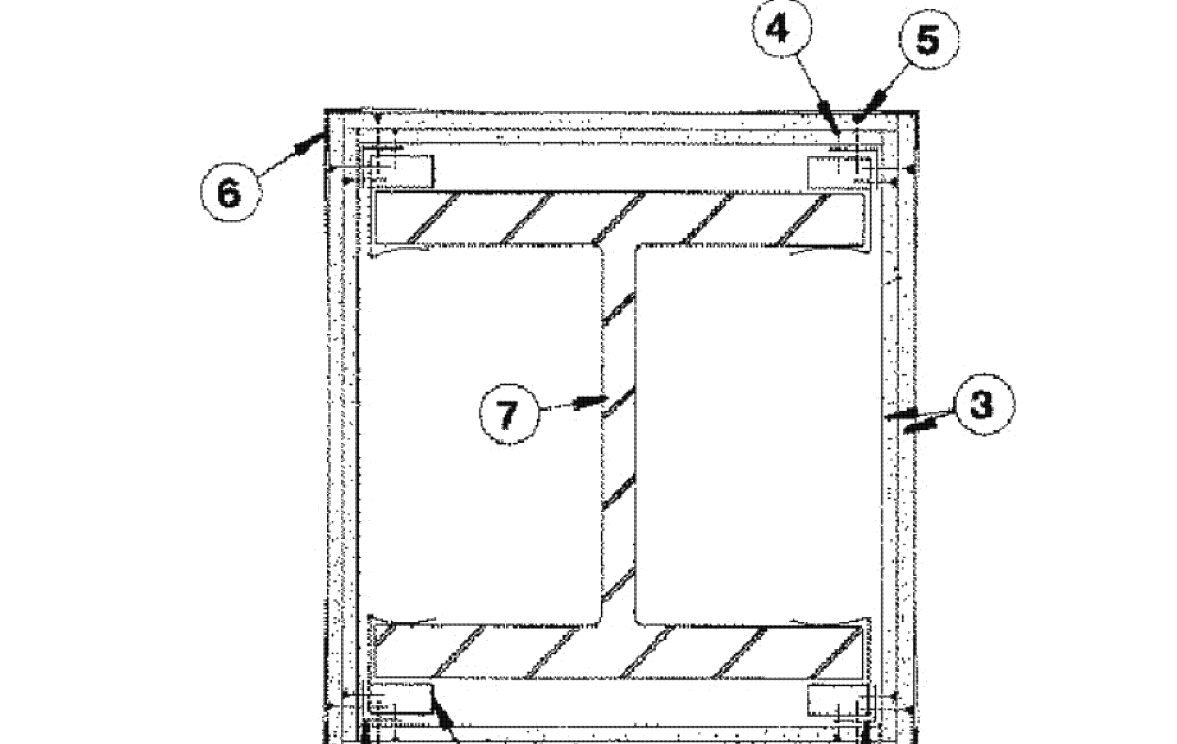
5. End Clearance — Clearance for expansion at each end of slab shall be equal to (L/7) x (1/4) (max)

6. Min Hearing — 1-1/2 in. for assembly rating of 3 hr or less and 3 in. for assembly rating of 4 hr.

* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.

Design No. X522
August 31, 2013
Rating — 4 Hr.

* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.



1. Steel Framing Members* — Galv steel clips spaced 4' O.C. and 1-1/4 in. from top and bottom of section.

2. Support Angle — No. 28 MS5 galv steel with 1-1/4 in. legs placed over clips and secured with the screws attaching the wallboard. Angle cut 1 in. less than assembly height. Splices in angle to occur over clips.

3. Gypsum Board* — 1/2 in. thick, two layers, nom 3/16 in. thick Gypsum plaster may be applied to the entire surface of Classified veneer baseboard.

4. Screws — 1 in. long self-drilling, self-tapping steel screws used to secure inner layer of wallboard or tabs, to clips and angles spaced vertically 12 in. O.C.

5. Screws — 1-3/8 in. long self-drilling, self-tapping steel screws used to secure outer layer of wallboard or tabs to clips and angles, spaced vertically 12 in. O.C.

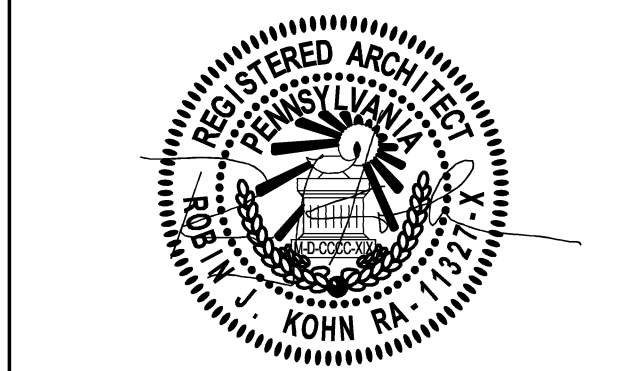
6. Corner Beads — No. 26 gauge galv steel, 1-1/4 in. legs attached to wallboard with 4d by 1-3/8 in. nails, spaced 12 in. O.C. Corner beads covered with joint compound.

7. Steel Column — Min. size of column W4 x 228, with outside dimensions of 16 by 15-7/8 in. with a flange thickness of 1-11/16 in., a web thickness of 1-1/16 in., and a cross-sectional area of 67.08 sq. in.

* Indicates such products shall bear the UL or eUL Certification Mark for jurisdictions employing the UL or eUL Certification (such as Canada), respectively.

2

Betzwood AssociatesPC
Architects & Engineers
Robin J. Kohn, AIA
Regin W. Kuhn, PE



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Contact Person:
Edward M. (Kipp) Happ
(610) 917-8831

B3807		EMH		EMH	
NO.	DATE	BY	ISSUE		
1	05-15-2015	EMH	ISSUED FOR PERMIT		
2	11-05-2015	EMH	REVISED UL DESIGN DETAILS		
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APPROVED BY
Robin J. Kohn, AIA

CURRENT DATE
November 04, 2015

SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

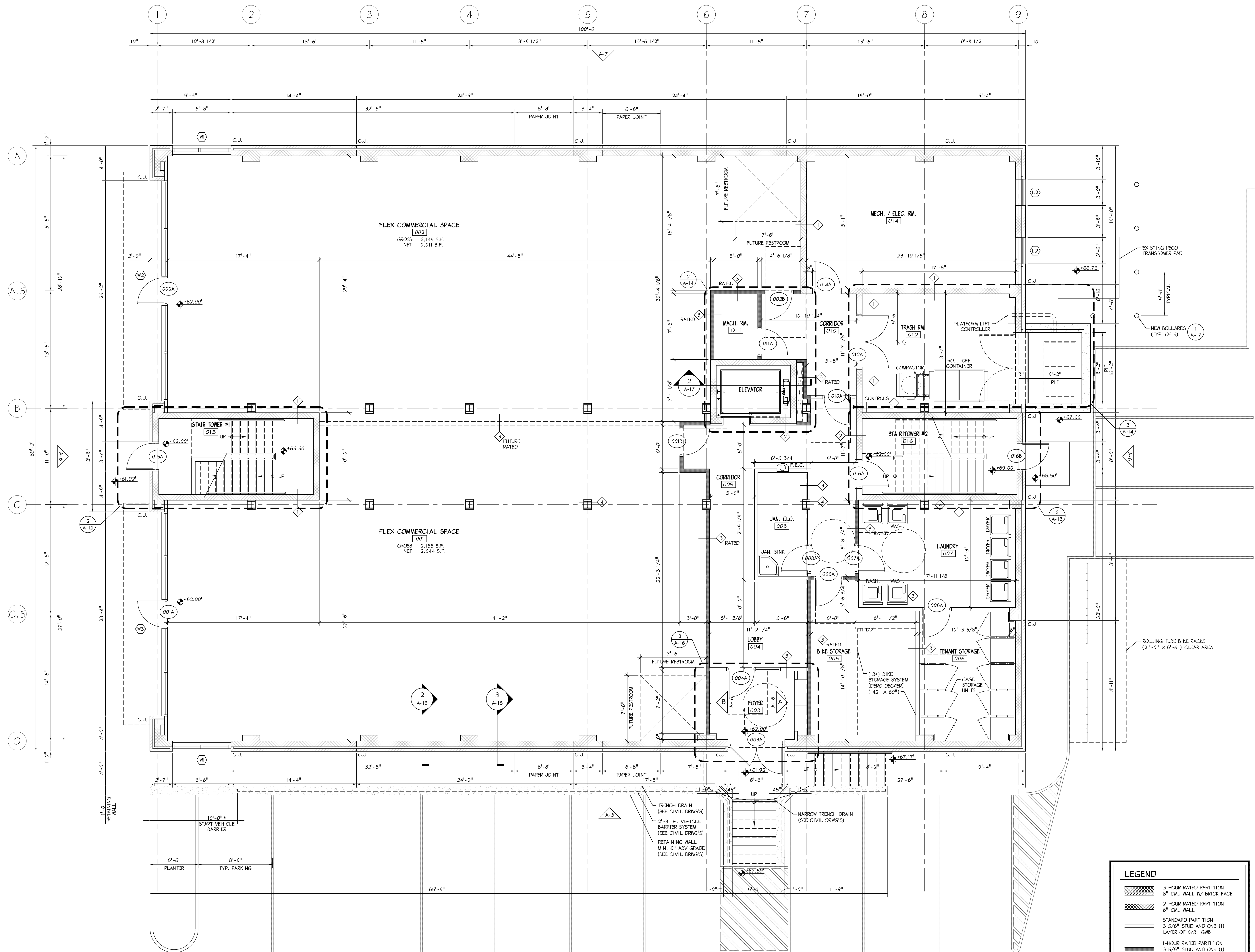
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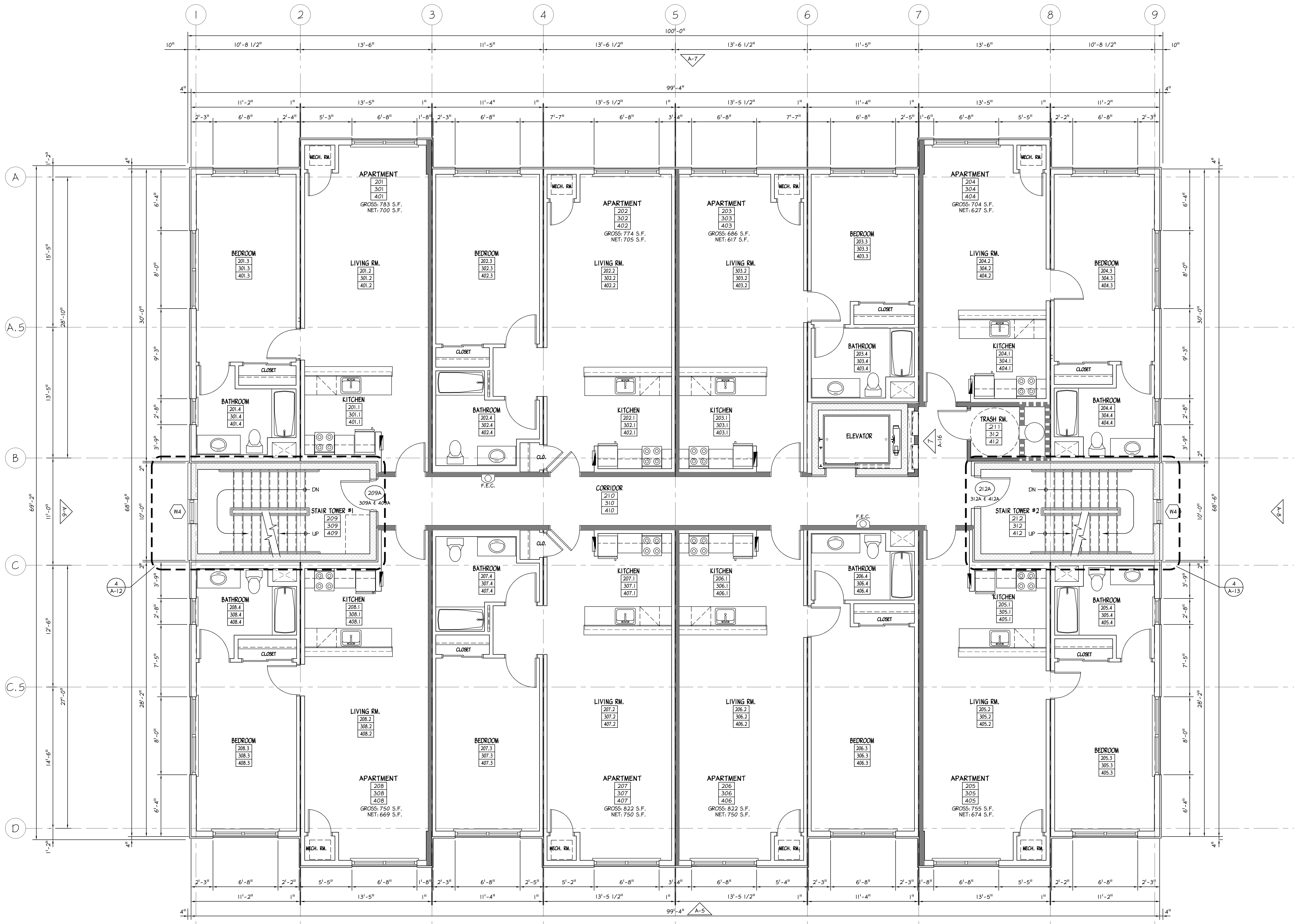
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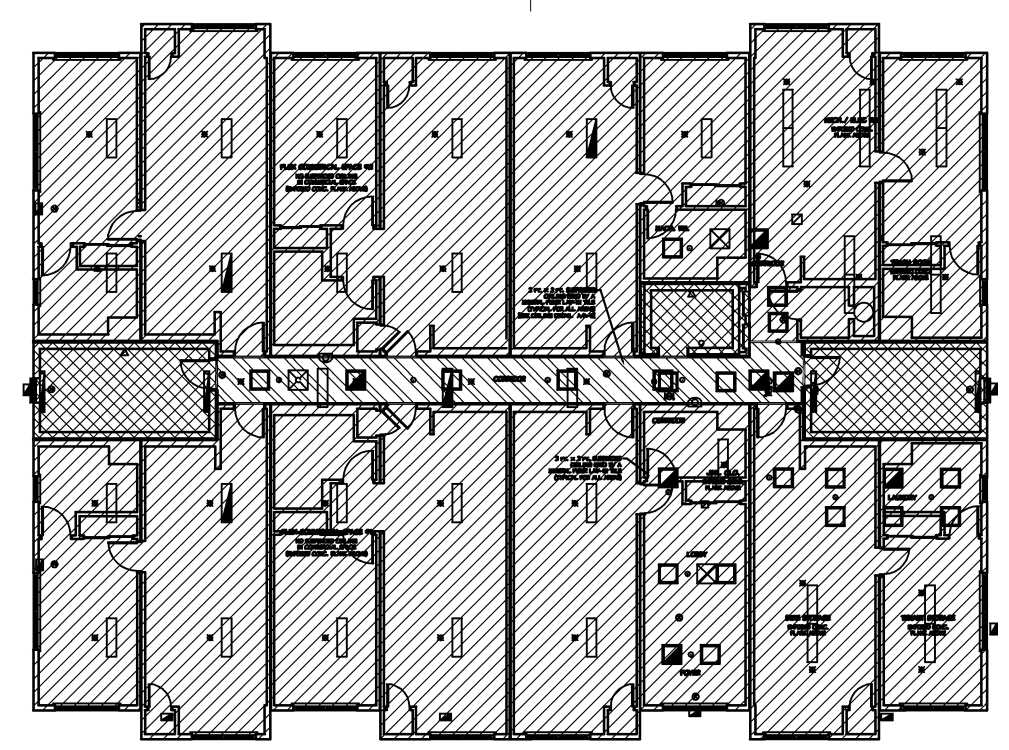
1 UL ASSEMBLIES
LS-3 Scale: N.T.S.



PROJECT NO.		DRAWN BY		CHK'D BY	
B3907		EMH		EMH	
NO.	DATE	BY	ISSUE		
1	05-15-2015	EMH	ISSUED FOR PERMIT		
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1 SECOND - FOURTH FLOOR PLAN
 A-3 Scale: 1/4" = 1'-0"
 2ND FLR ELEV. +86.04'
 3RD FLR ELEV. +96.13'
 4TH FLR ELEV. +106.21'



SECOND - FOURTH FLOOR KEY PLAN

- DENOTES MODULAR UNIT FRAMING
- DENOTES MODULAR SUPPLIED FRAMING
- DENOTES CONVENTIONAL FRAMING

LEGEND	
	3-HOUR RATED PARTITION 8" CMU WALL W/ BRICK FACE
	2-HOUR RATED PARTITION 8" CMU WALL
	STANDARD PARTITION 3 5/8" STUD AND ONE (1) LAYER OF 5/8" GWB
	1-HOUR RATED PARTITION 3 5/8" STUD AND ONE (1) LAYER OF 5/8" TYPE 'X' GWB
	2-HOUR RATED PARTITION 3 5/8" STUD AND TWO (2) LAYERS OF 5/8" TYPE 'X' GWB

Betzwood Associates PC
 Architects & Engineers
 Robin J. Kohn, AIA
 Kevin W. Kuhn, PE

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Contact Person:
 Edward M. (Kipp) Happ
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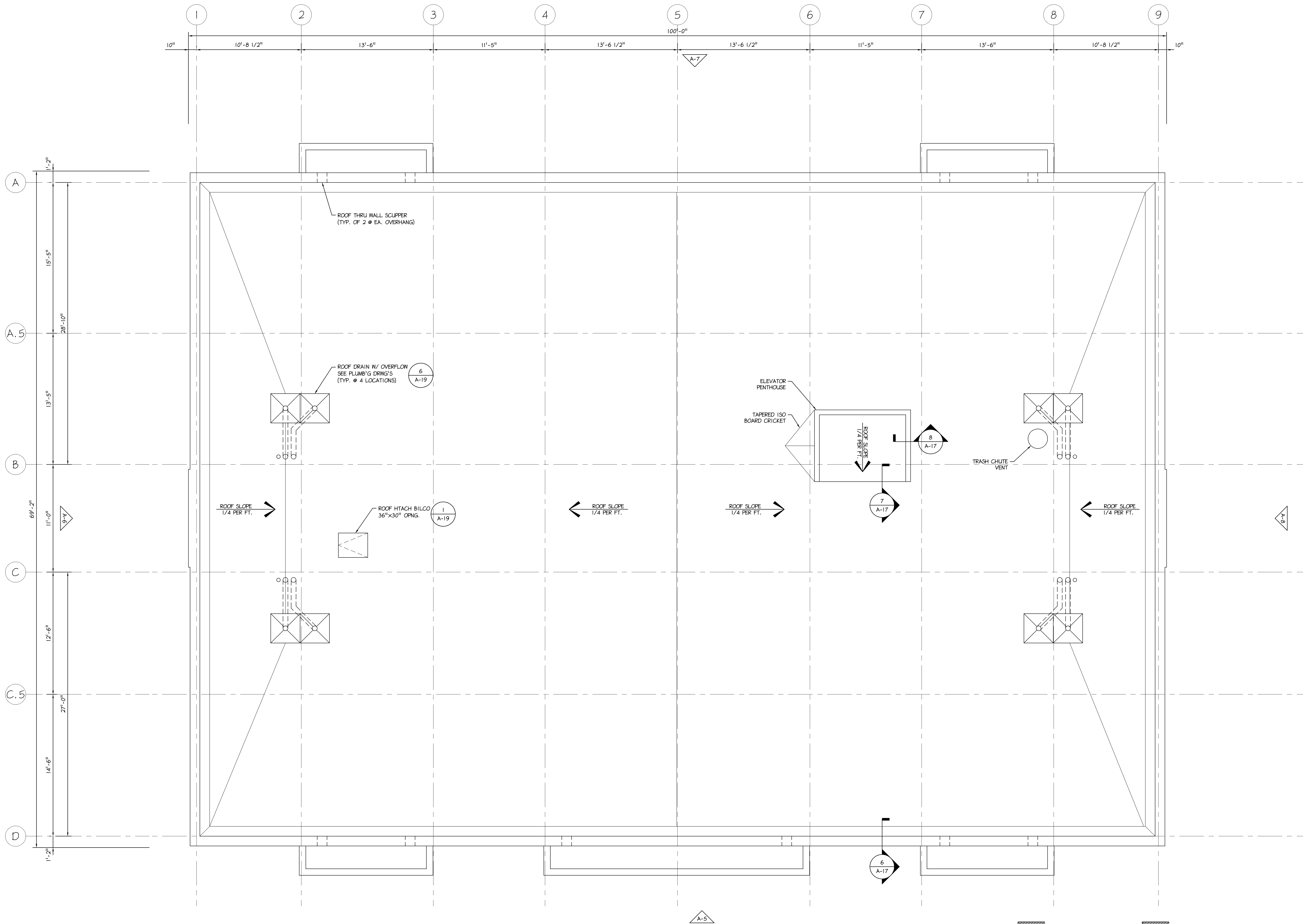
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APPROVED BY
 Robin J. Kohn, AIA
 CURRENT DATE
 May 15, 2015

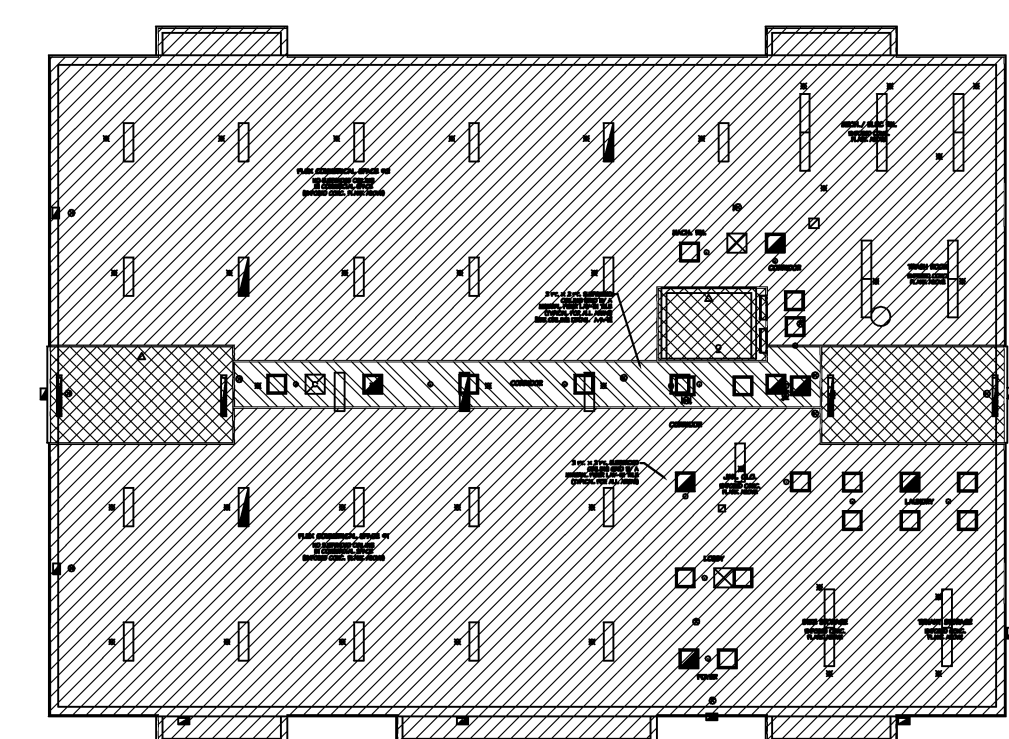
SANSOM ST APARTMENTS
 121-33 SOUTH 43RD STREET
 PHILADELPHIA, PA 19104

SHEET TITLE
SECOND - FOURTH FLOOR PLAN

SHEET NUMBER
A-3



1 ROOF PLAN
A-4 Scale: 1/4" = 1'- 0" LOW POINT ELEV. +116.50'



ROOF KEY PLAN

- DENOTES MODULAR UNIT FRAMING
- DENOTES MODULAR SUPPLIED FRAMING
- DENOTES CONVENTIOANL FRAMING

Betzwood AssociatesPC
Architects & Engineers
Robin J. Kohn, AIA
Karin W. Kuhn, PE

REGISTERED ARCHITECT
PENNSYLVANIA
KOHNS

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Contact Person:
Edward M. (Kipp) Happ
(610) 917-8831

PROJECT NO.		DRAWN BY	CHK'D BY
B3807		EMH	EMH
NO.	DATE	BY	ISSUE
1	05-15-2015	EMH	ISSUED FOR PERMIT REVIEW
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APPROVED BY
Robin J. Kohn, AIA

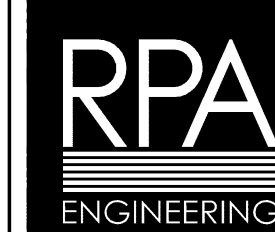
CURRENT DATE
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SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

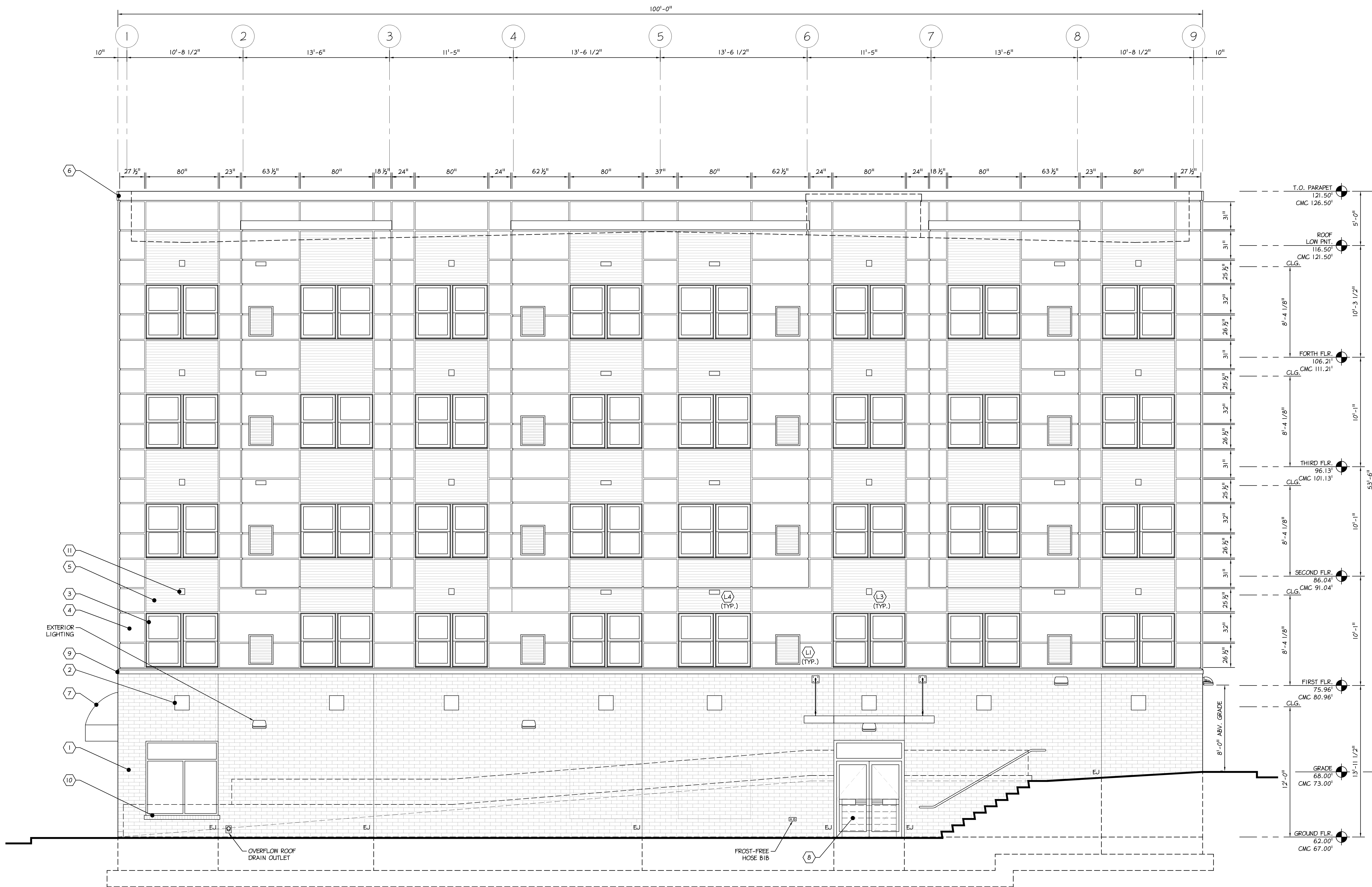
SHEET TITLE
ROOF PLAN

SHEET NUMBER
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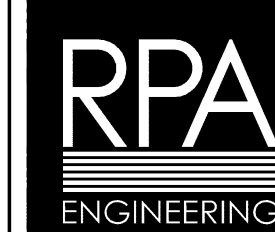


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NO.	DATE	BY	ISSUE
1	05-15-2015	EMH	ISSUED FOR PERMIT REVIEW
2	01-06-2016	EMH	REVISED ELEVATIONS BASED ON CMC ENGINEERING SURVEY
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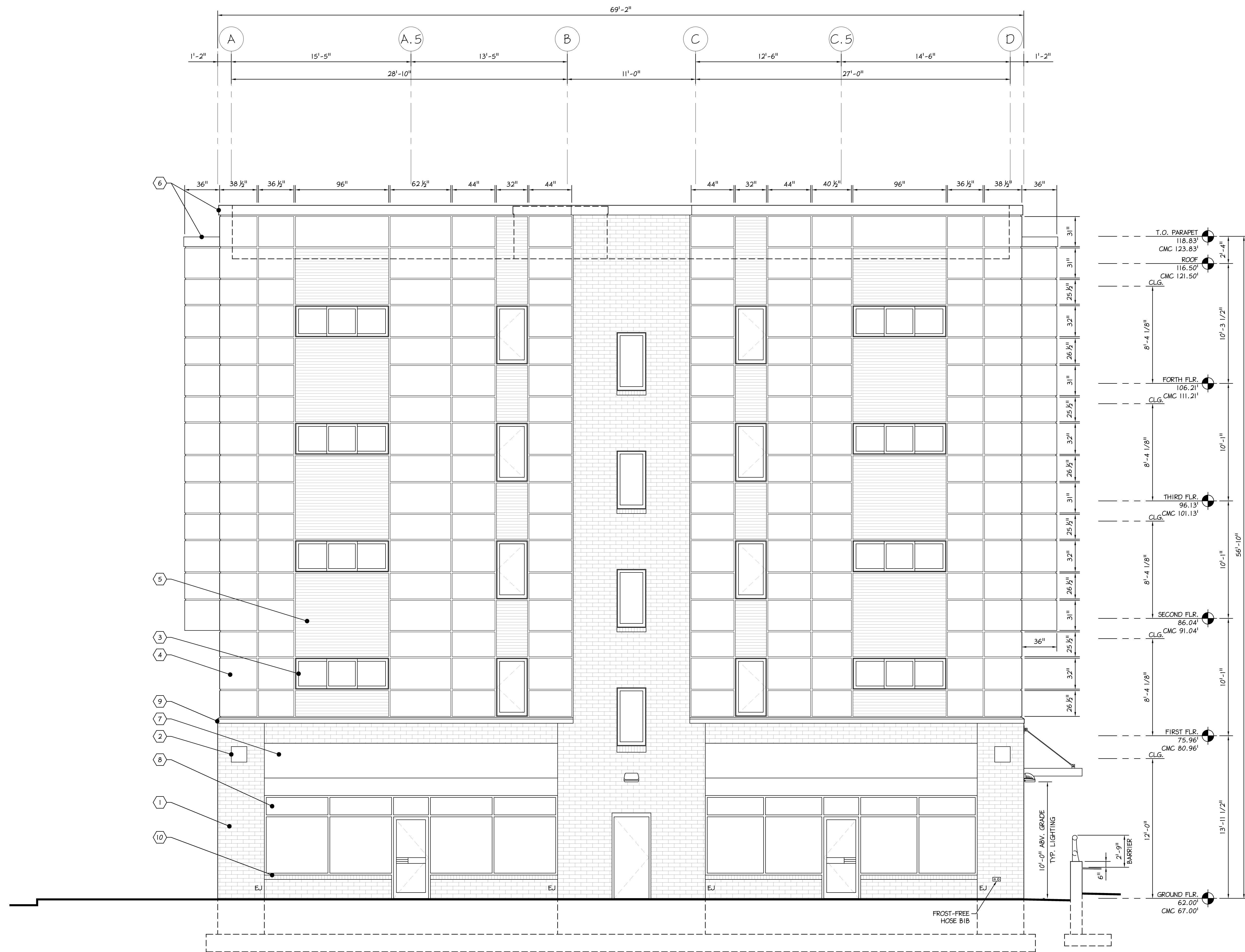


1 APARTMENT ENTRY ELEVATION
A-5 Scale: 1/4" = 1'-0"

- ELEVATION KEYNOTES**
- 4" JUMBO BRICK W/ 1" AIR SPACE OR 3/4" DIMENSIONAL FABRIC W/ 2" RIDGE INSULATION AND 8" CMU [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
 - 16" W x 16" H x 4" D PRECAST CONCRETE PANEL - COLOR: BLACK [PLYGEM - PRO SERIES WINDOWS]
 - VINYL CLAD WINDOW UNIT - COLOR: WHITE [PLYGEM - PRO SERIES WINDOWS]
 - FIBER CEMENT PANEL - COLOR: ANTARCTIC [CEMBRIT - TRUE 8MM PANELS]
 - GALVALUME CORRUGATED PANEL - COLOR: COLONIAL RED [MBCI - MASTERLINE 16 SERIES]
 - ALUMINUM COPING 0.032" - COLOR: BLACK [METAL-ERA - BOLD FACE COPING]
 - OVERHEAD SUPPORTED ALUMINUM CANOPY OVER COMMERCIAL SPACE & APARTMENT UNITS ENTRY COLOR: BLACK
 - ALUMINUM & GLASS ENTRANCE DOORS & SIDELIGHT - DOOR GLASS - 1" INSUL / TEMPERED GLASS - SIDELIGHT GLASS - 1" INSUL / TEMPERED GLASS COLOR: BLACK
 - PRECAST CONCRETE DESIGNER BRICK CAP SILL 16" W x 8" H x 6" D (SPS-5) [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
 - 4" BRICK ROWLOCK SILL [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
 - EXTERIOR EXHAUST VENTS & INTAKE LOUVERS (SEE LOUVER / VENT SCHEDULE ON SHEET A-11) COLOR: MATCH BACKGROUND MATERIAL



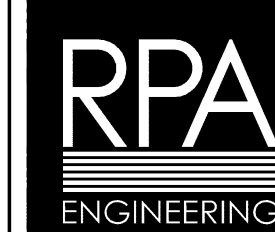
NO.	DATE	BY	ISSUE
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2	01-06-2016	EMH	REVISED ELEVATIONS BASED ON CMC ENGINEERING SURVEY
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1 SOUTH 43RD STREET ELEVATION
A-6 Scale: 1/4" = 1'-0"

ELEVATION KEYNOTES

- 4" JUMBO BRICK W/ 1" AIR SPACE OR 3/4" DIMENSIONAL FABRIC W/ 2" RIDGE INSULATION AND 8" CMU [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- 16" W x 16" H x 4" D PRECAST CONCRETE PANEL - COLOR: BLACK [PLYGEM - PRO SERIES WINDOWS]
- VINYL CLAD WINDOW UNIT - COLOR: WHITE [PLYGEM - PRO SERIES WINDOWS]
- FIBER CEMENT PANEL - COLOR: ANTARCTIC [CEMBRIT - TRUE 8MM PANELS]
- GALVALUME CORRUGATED PANEL - COLOR: COLONIAL RED [MBCI - MASTERLINE 16 SERIES]
- ALUMINUM COPING 0.032" - COLOR: BLACK [METAL-ERA - BOLD FACE COPING]
- OVERHEAD SUPPORTED ALUMINUM CANOPY OVER COMMERCIAL SPACE & APARTMENT UNITS ENTRY COLOR: BLACK
- ALUMINUM & GLASS ENTRANCE DOORS & SIDELIGHT - DOOR GLASS - 1" INSUL / TEMPERED GLASS - SIDELIGHT GLASS - 1" INSUL / TEMPERED GLASS COLOR: BLACK
- PRECAST CONCRETE DESIGNER BRICK CAP SILL 16" W x 8" H x 6" D (SPS-5) [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- 4" BRICK ROWLOCK SILL [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- EXTERIOR EXHAUST VENTS & INTAKE LOUVERS (SEE LOUVER / VENT SCHEDULE ON SHEET A-11) COLOR: MATCH BACKGROUND MATERIAL



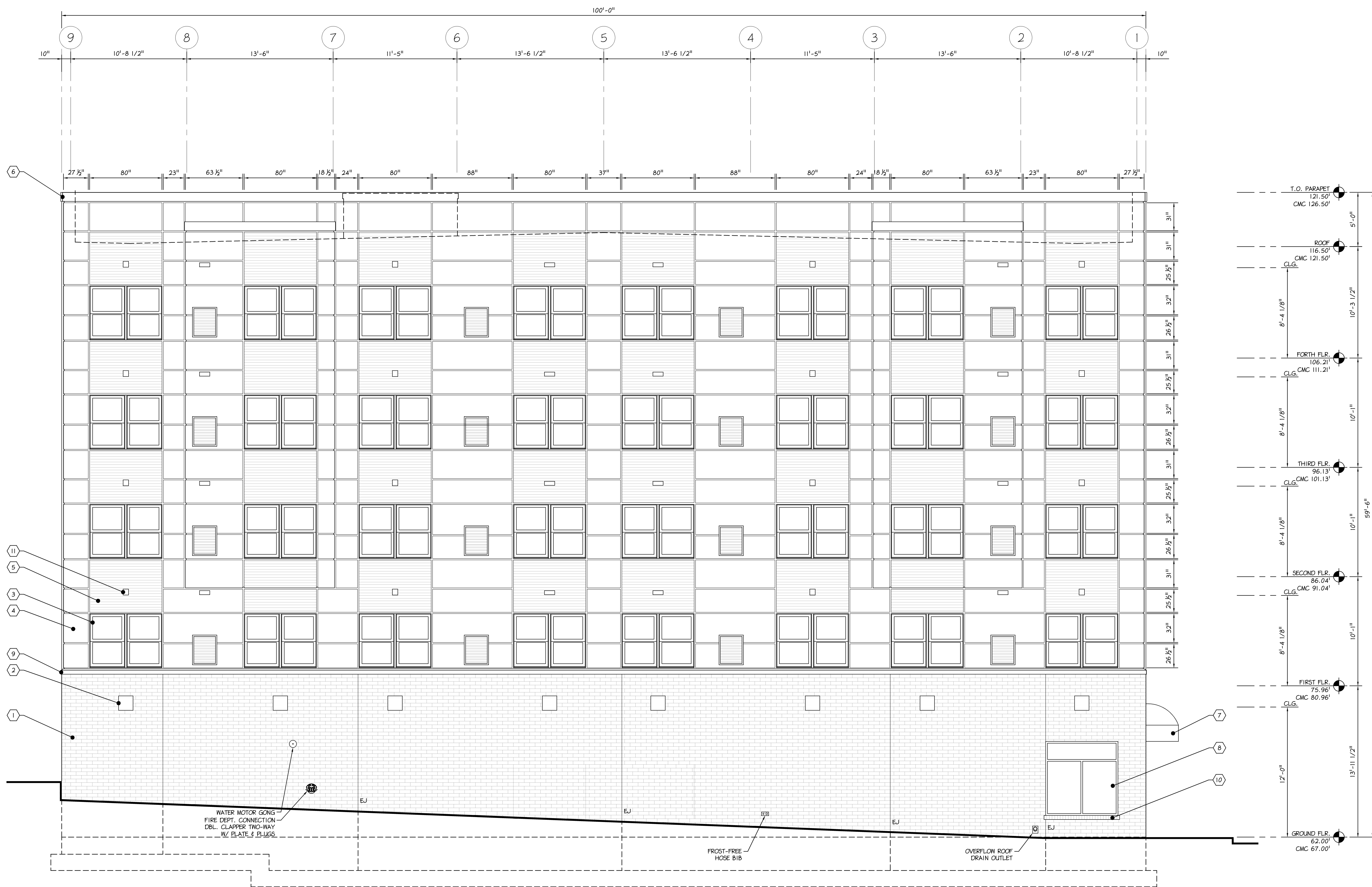
PROJECT NO.		DRAWN BY	CHK'D BY
B3907		EMH	EMH
NO.	DATE	BY	ISSUE
1	05-15-2015	EMH	ISSUED FOR PERMIT REVIEW
2	01-06-2016	EMH	REVISED ELEVATIONS BASED ON CMC ENGINEERING SURVEY
3			
4			
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13			
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APPROVED BY	CURRENT DATE
Robin J. Kohn, AIA	January 06, 2016

SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

SHEET TITLE
SANSOM STREET ELEVATION

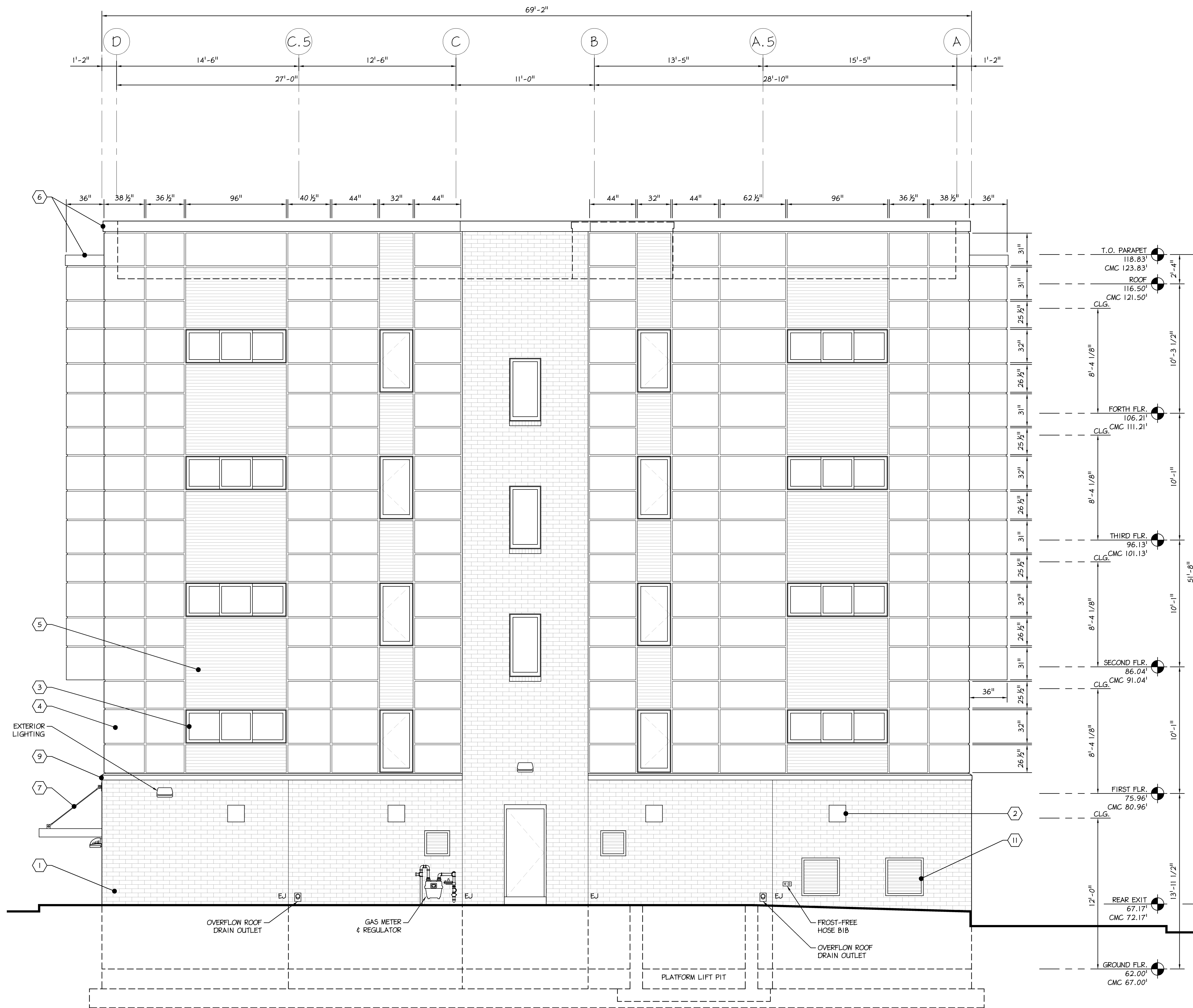
SHEET NUMBER
A-7
REV
2



1 SANSOM STREET ELEVATION
A-7 Scale: 1/4" = 1'-0"

ELEVATION KEYNOTES

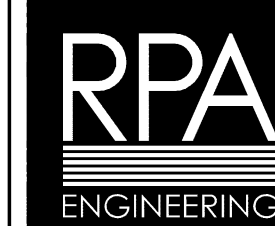
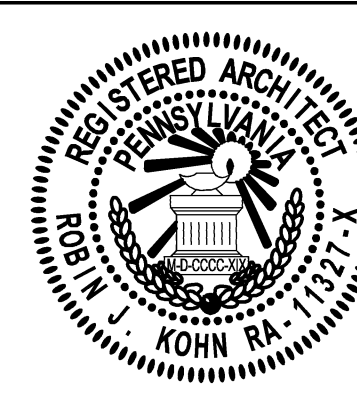
- 4" JUMBO BRICK W/ 1" AIR SPACE OR 3/4" DIMENSIONAL FABRIC W/ 2" RIDGE INSULATION AND 8" CMU
[FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- 16" W x 16" H x 4" D PRECAST CONCRETE PANEL - COLOR: BLACK
[PLYGEM - PRO SERIES WINDOWS]
- VINYL CLAD WINDOW UNIT - COLOR: WHITE
[CEMBRIT - TRUE 8MM PANELS]
- FIBER CEMENT PANEL - COLOR: ANTARCTIC
[WBCI - MASTERLINE 16 SERIES]
- GALVALUME CORRUGATED PANEL - COLOR: COLONIAL RED
[METAL-ERA - BOLD FACE COPING]
- ALUMINUM COPING 0.032" - COLOR: BLACK
[METAL-ERA - BOLD FACE COPING]
- OVERHEAD SUPPORTED ALUMINUM CANOPY OVER COMMERCIAL SPACE & APARTMENT UNITS ENTRY
COLOR: BLACK
- ALUMINUM & GLASS ENTRANCE DOORS & SIDELIGHT
- DOOR GLASS - 1" INSUL / TEMPERED GLASS
- SIDELIGHT GLASS - 1" INSUL / TEMPERED GLASS
COLOR: BLACK
- PRECAST CONCRETE DESIGNER BRICK CAP SILL
16" W x 8" H x 6" D (SPS-5)
[FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- 4" BRICK ROWLOCK SILL
[FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- EXTERIOR EXHAUST VENTS & INTAKE LOUVERS
(SEE LOUVER / VENT SCHEDULE ON SHEET A-11)
COLOR: MATCH BACKGROUND MATERIAL



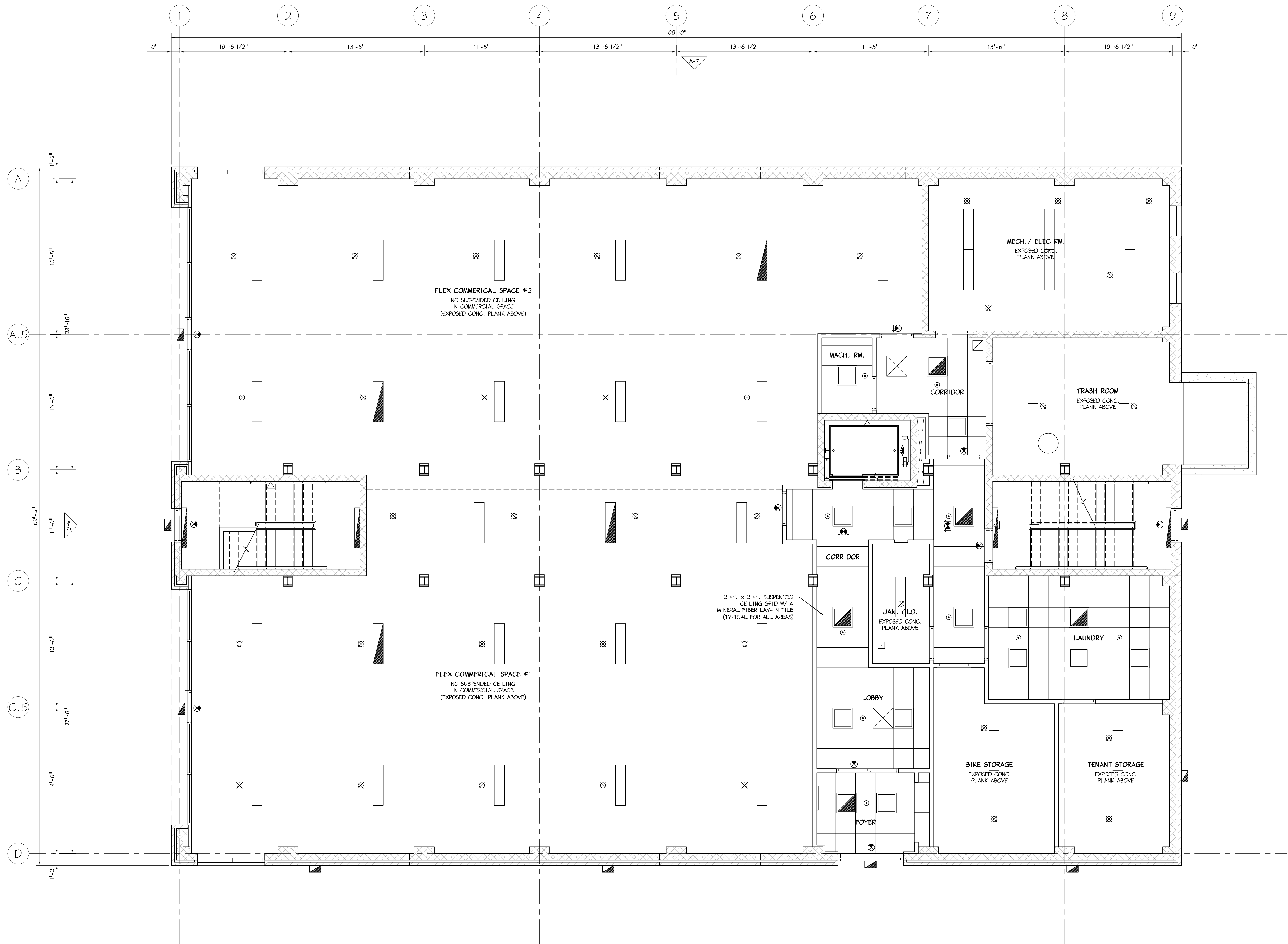
1 REAR / PARKING LOT ELEVATION
A-8 Scale: 1/4" = 1'-0"

ELEVATION KEYNOTES

- 1 4" JUMBO BRICK W/ 1" AIR SPACE OR 3/4" DIMENSIONAL FABRIC W/ 2" RIDGE INSULATION AND 8" CMU [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- 2 16" W x 16" H x 4" D PRECAST CONCRETE PANEL - COLOR: BLACK [PLYGEM - PRO SERIES WINDOWS]
- 3 VINYL CLAD WINDOW UNIT - COLOR: WHITE [FIBER CEMENT PANEL - COLOR: ANTARCTIC [CEMBRIT - TRUE 8MM PANELS]
- 4 GALVALUME CORRUGATED PANEL - COLOR: COLONIAL RED [WBCI - MASTERLINE 16 SERIES]
- 5 ALUMINUM COPING 0.032" - COLOR: BLACK [METAL-ERA - BOLD FACE COPING]
- 6 OVERHEAD SUPPORTED ALUMINUM CANOPY OVER COMMERCIAL SPACE & APARTMENT UNITS ENTRY COLOR: BLACK
- 7 ALUMINUM & GLASS ENTRANCE DOORS & SIDELIGHT - DOOR GLASS - 1" INSUL / TEMPERED GLASS - SIDELIGHT GLASS - 1" INSUL / TEMPERED GLASS COLOR: BLACK
- 8 PRECAST CONCRETE DESIGNER BRICK CAP SILL 16" W x 8" H x 6" D (SPS-5) [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- 9 4" BRICK ROWLOCK SILL [FIZZANO DESIGNER GROUND FACE BRICK - F-515]
- 10 EXTERIOR EXHAUST VENTS & INTAKE LOUVERS (SEE LOUVER / VENT SCHEDULE ON SHEET A-11) COLOR: MATCH BACKGROUND MATERIAL

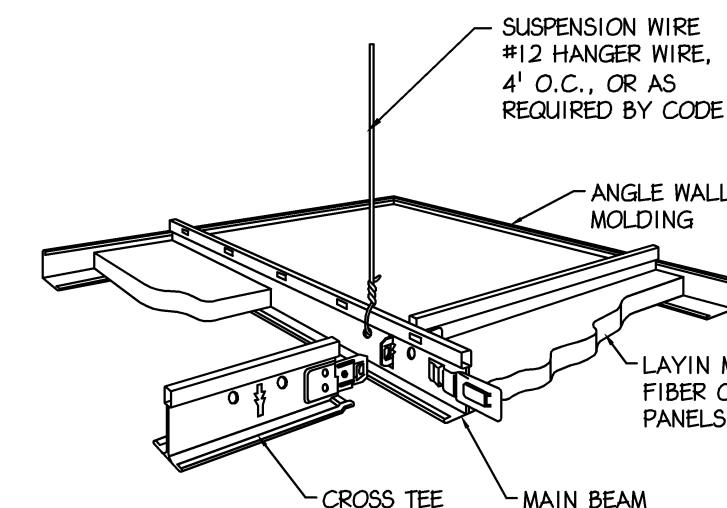


NO.	DATE	BY	ISSUE
1	05-15-2015	DMH	ISSUED FOR PERMIT REVIEW
2	01-06-2016	DMH	REVISED ELEVATIONS BASED ON CMC ENGINEERING SURVEY
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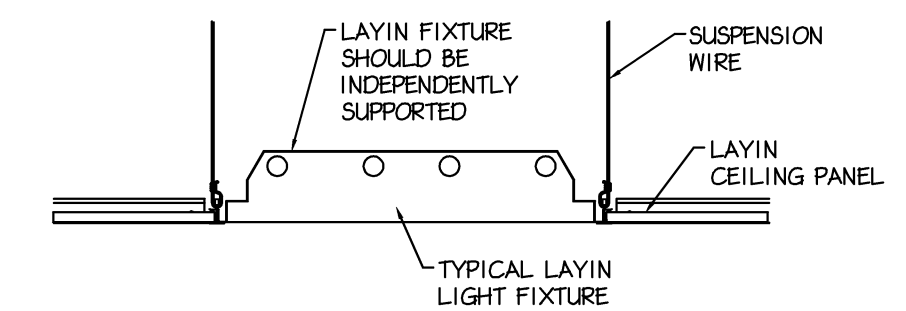
1 GROUND FLOOR - REFLECTED CEILING PLAN
A-9 Scale: 1/4" = 1'-0"

- NOTES:
1. SEE ROOM FINISH SCHEDULE FOR CEILING HEIGHTS.
2. ALL LIGHTING, DUCTWORK AND SPRINKLER HEADS SHOWN ARE FOR REFERENCE ONLY.



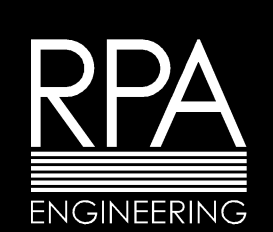
A SUSPENDED CEILING DETAIL
A-9 Scale: 1" = 1'-0"

NOTE:
ACOUSTICAL CEILING TILES SHALL BE FURNISHED USING 2 FT. X 2 FT. MINERAL FIBER SQUARE LAY-IN TILES. INSTALLED IN A SUSPENDED SYSTEM AS MANUFACTURED BY ARMSTRONG WORLD INDUSTRIES, INC. (OR APPROVED EQUIVALENT)



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Phone: 1.888.RPA.6053
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Contact Person:
Edward M. (Kipp) Happ
(610) 917-8831

PROJECT NO.		DRAWN BY	CHK'D BY
B3907		EMH	EMH
D. DATE	BY	ISSUE	
1 05-15-2015	EMH	ISSUED FOR PERMIT REVIEW	
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APPROVED BY
Robin J. Kohn, AIA

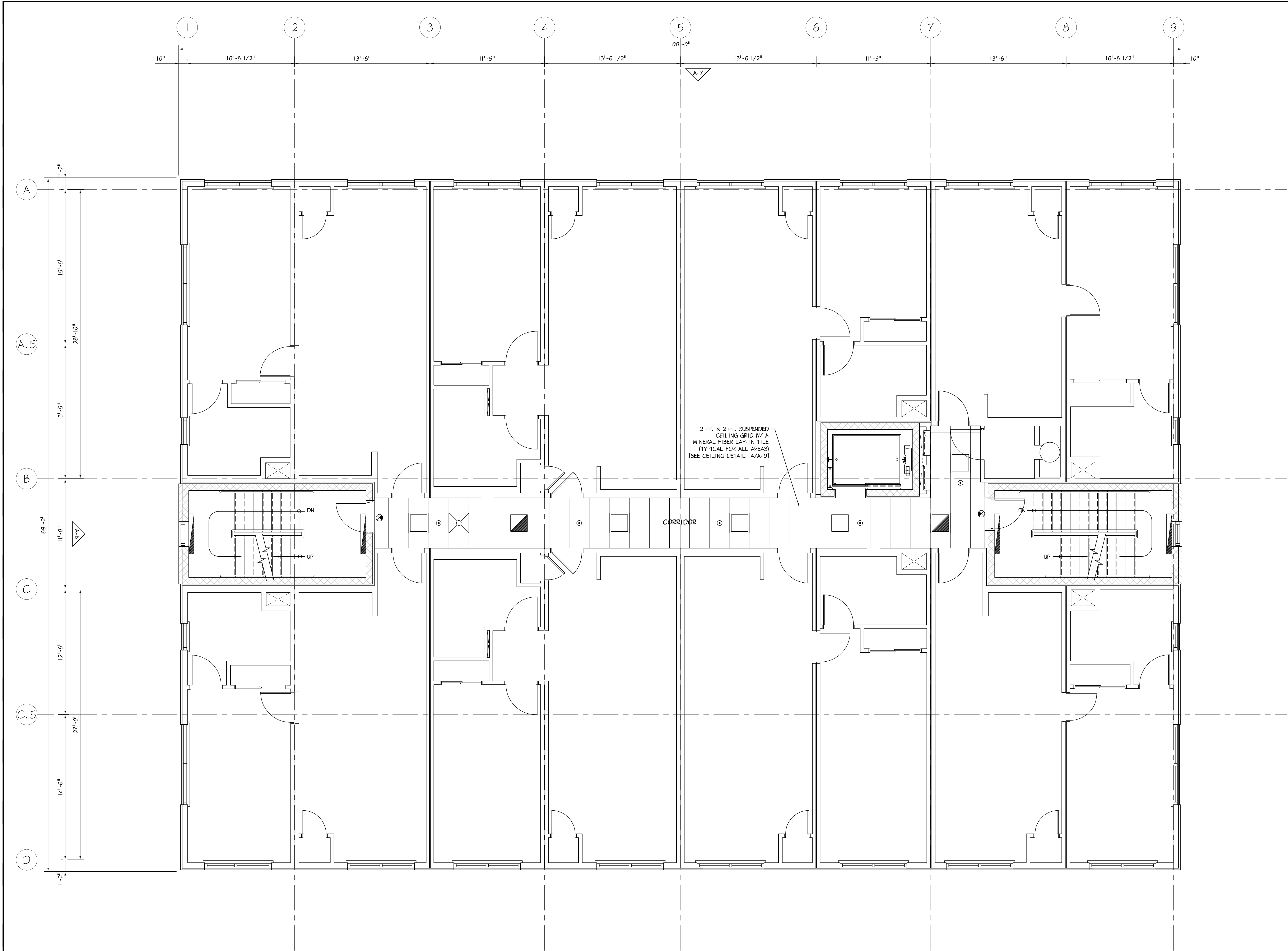
CURRENT DATE
May 15, 2015

SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

SHEET TITLE
**GROUND FLOOR
REFLECTED CEILING
PLAN**

SHEET NUMBER
A-9

REV
1



1 UPPER FLOORS - REFLECTED CEILING PLAN
A-10 Scale: 1/4" = 1'-0"

- NOTES:
1. SEE ROOM FINISH SCHEDULE FOR CEILING HEIGHTS.
2. ALL LIGHTING, DUCTWORK AND SPRINKLERS HEADS SHOWN ARE FOR REFERENCE ONLY.

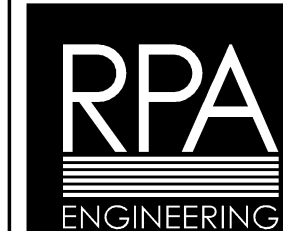
Betzwood Associates PC
Architects & Engineers
Robin J. Kohn, AIA
Karin W. Kuhn, PE

REGISTERED ARCHITECT
PENNSYLVANIA
KOHNS

523 Kamberton Road, Suite 11B Phoenixville, PA 19380
tel (610) 917-8831 fax (610) 917-8836
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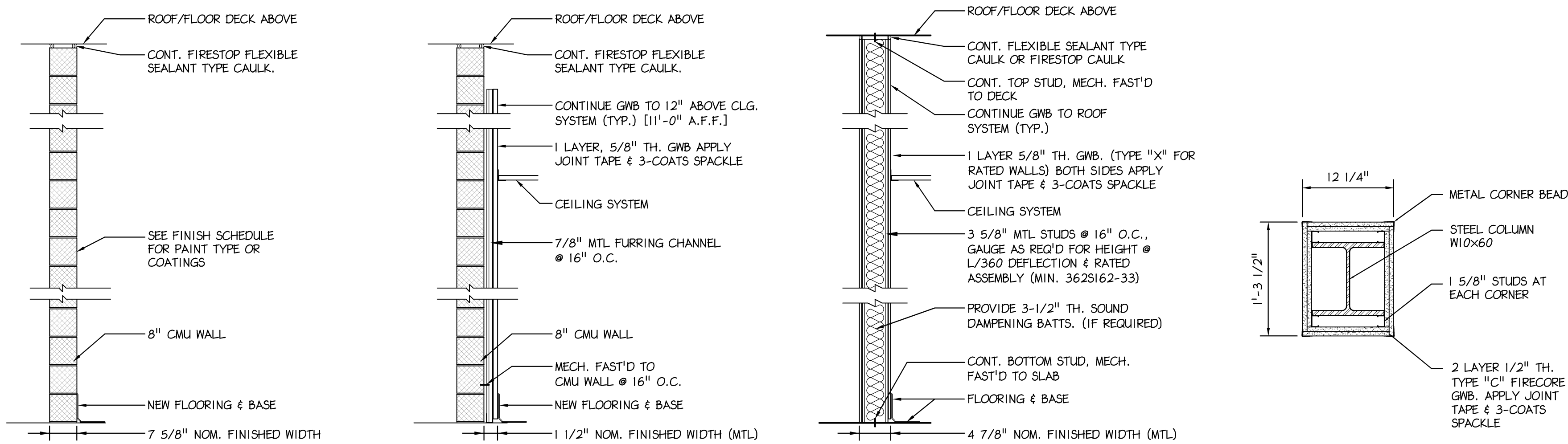
PROJECT NO.		DRAWN BY		CHK'D BY		
B3907		EMH		EMH		
NO.	DATE	BY	ISSUE			
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APPROVED BY	CURRENT DATE
Robin J. Kohn, AIA	May 15, 2015

SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

SHEET TITLE
**UPPER FLOORS
REFLECTED CEILING
PLAN**

SHEET NUMBER
A-10
REV
1



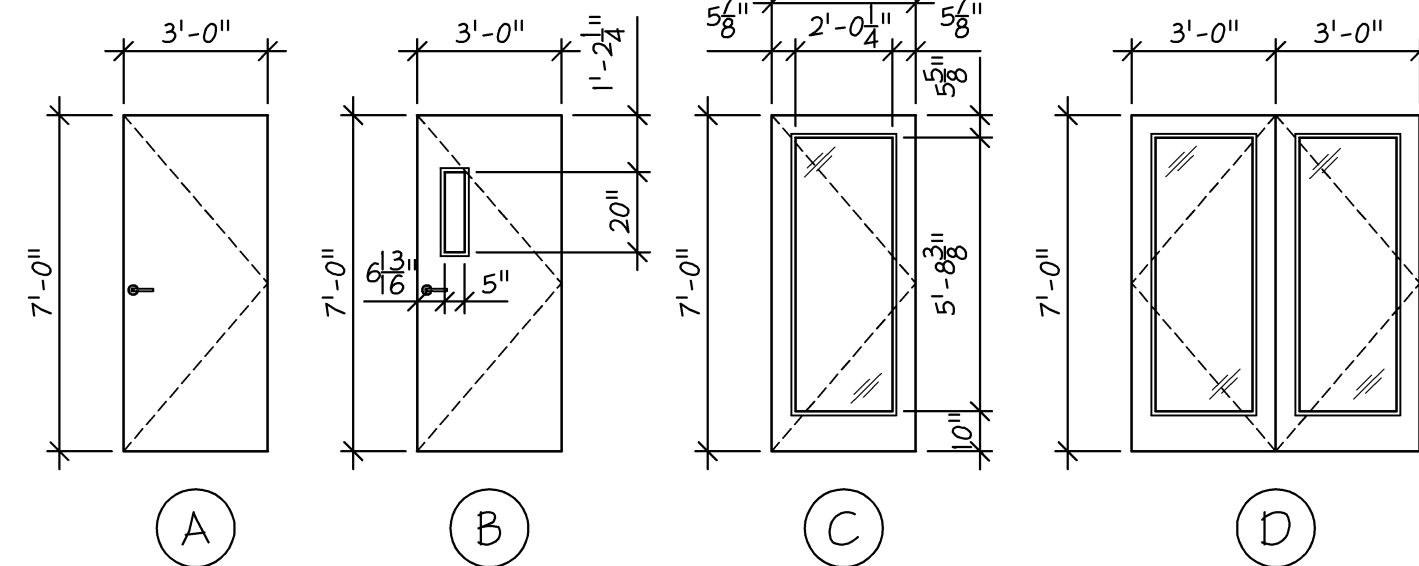
P1 8" CMU PARTITION
3-HOUR (MIN. RATING) / SIMILAR TO UL-94

P2 1 1/2" FURRED WALL PARTITION
SEE P-1 FOR RATING OF CMU PARTITION

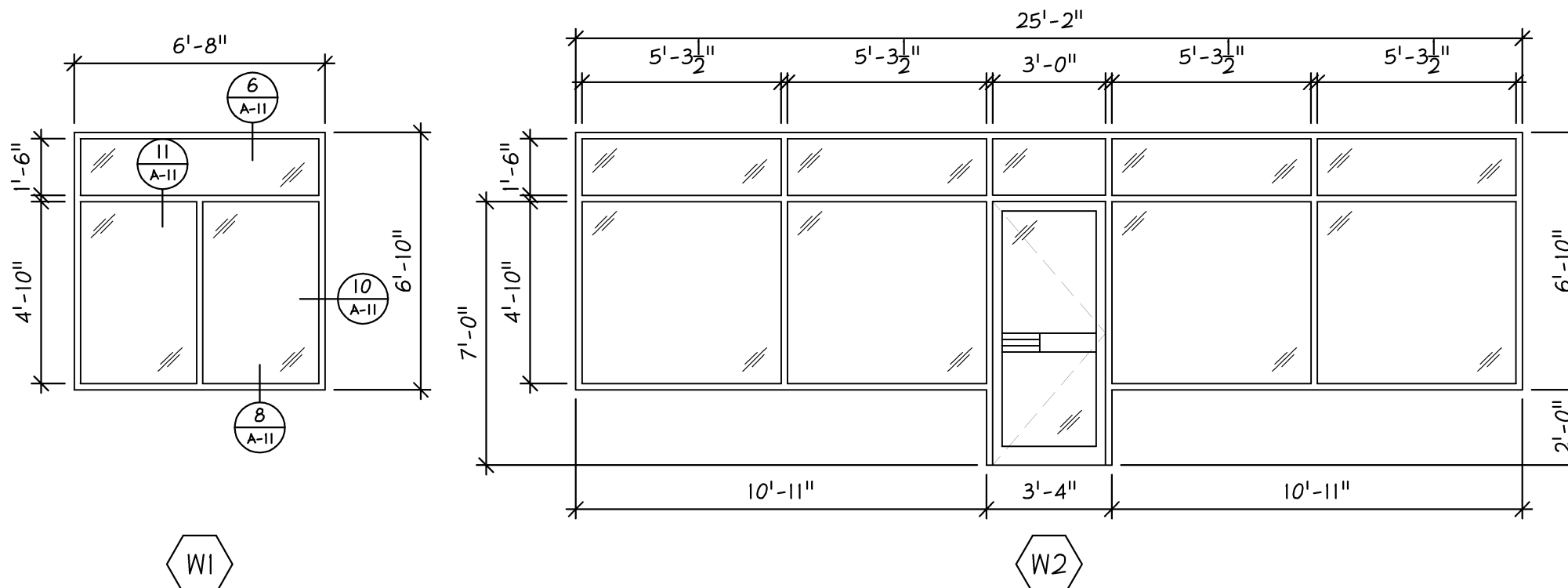
P3 3 5/8" MTL. STUD PARTITION
1-HOUR RATED WALLS SIMILAR TO UL-94

P4 GWB WRAPPED COLUMN
4-HOUR RATED COLUMN / SIMILAR TO UL-94

FRAME TYPES

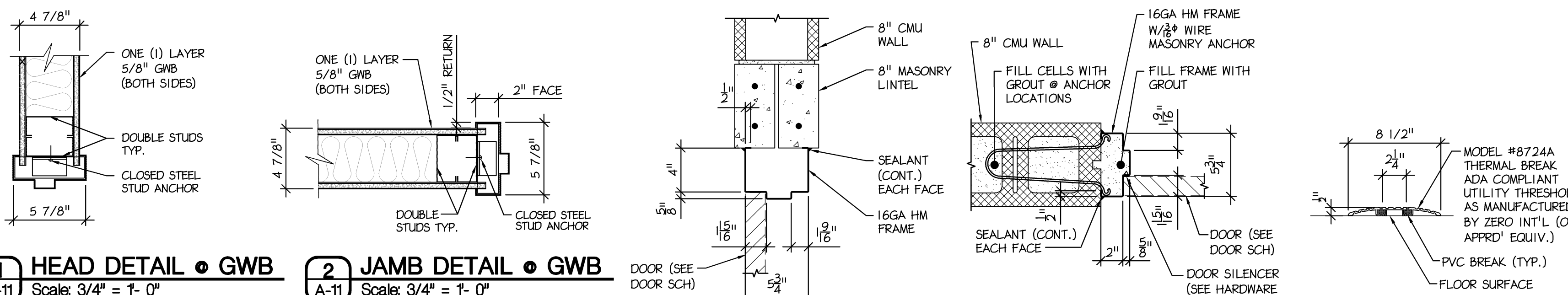


DOOR TYPES



WINDOW STYLES

NOTE:
SUPPLIED BY MODULAR COMPANY
INSTALLED BY GENERAL CONTRACTOR



ROOM FINISH SCHEDULE														
ROOM NUMBER	ROOM NAME	FLOORS			BASES			WALLS			CEILINGS			REMARKS
		MATERIALS	FINISH	MTG.	MATERIALS	FINISH	MTG.	MATERIALS	FINISH	MTG.	MATERIALS	FINISH	MTG.	
001	FLEX COMMERCIAL SPACE #1	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
002	FLEX COMMERCIAL SPACE #2	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
003	FOYER	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
004	LOBBY	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
005	BIKE STORAGE	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
006	TENANT STORAGE	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
007	LAUNDRY	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
008	JANITOR CLOSET	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
009	CORRIDOR	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
010	CORRIDOR	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
011	MACHINE ROOM	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
012	TRASH ROOM	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
014	MECH./ELEC. RM.	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
015	STAIR TOWER #1 - GRND. FLR.	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
016	STAIR TOWER #2 - GRND. FLR.	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
109-409	STAIR TOWER #1 UPPER FLRS.	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
110-410	CORRIDOR - UPPER FLRS.	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-
112-412	STAIR TOWER #2 - UPPER FLRS.	STONE BASE	SEALANT	NO BASE	USG SHEETROCK	USG MR SHEETROCK	CMU EPOXY PAINT	USG MR SHEETROCK	USG MR SHEETROCK	OPEN TO ABOVE	FLURRED	SUSPENDED	SUSPENSION HEIGHT	-

DOOR AND FRAME SCHEDULE																				
DOOR										FRAME						HDWR. SET TYPE	FIRE RATING LABEL	ANSI NO.	COMMENTS / REMARKS	
NO.	ROOM NAME	SIZE			TYPE	MATL.	GLASS	KICK PLATE	TYPE	MATL.	DETAILS			WIDTH	GASKT					
		W	H	T							HEAD	JAMB	SILL							
GROUND FLOOR																				
001A	FLEX COMMERCIAL SPACE #1	3'-0"	7'-0"	1 3/4"	W3	ALUM	MATCH	-	-	ALUM	6/7	9	12	-	●	-	-	F113	DOOR IS PART OF WINDOW STORE FRONT	
001B	FLEX COMMERCIAL SPACE #1	3'-0"	7'-0"	1 3/4"	A	HM	-	-	-	MTL	1	2	5	5-7/8"	●	PANIC	45 MIN.	03	KEYED ENTRY FROM OUTSIDE	
002A	FLEX COMMERCIAL SPACE #2	3'-0"	7'-0"	1 3/4"	W2	ALUM	MATCH	-	-	ALUM	6/7	9	12	-	●	-	-	F113	DOOR IS PART OF WINDOW STORE FRONT	
002B	FLEX COMMERCIAL SPACE #2	3'-0"	7'-0"	1 3/4"	A	HM	-	-	-	MTL	1	2	5	5-7/8"	●	PANIC	45 MIN.	03	KEYED ENTRY FROM OUTSIDE	
003A	FOYER	6'-0"	7'-0"	1 3/4"	D	ALUM	CLEAR	-	4	ALUM	6/7	9	12	4 1/2"	●	PANIC	-	14	KEYED LOCK INSIDE & OUTSIDE	
004A	LOBBY	6'-0"	7'-0"	1 3/4"	C	HM	CLEAR	-	5	HM	6/7	1	2	5	5 7/8"	●	PANIC	-	14	CONTROLLED BY DKS ENTRY SYSTEM
005A	BIKE STORAGE	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	1	MTL	1	2	5	5-7/8"	●	STORM	45 MIN.	F86		
006A	TENANT STORAGE	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	1	MTL	1	2	5	5-7/8"	●	STORM	-	F86		
007A	LAUNDRY	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	1	MTL	1	2	5	5-7/8"	●	STORM	45 MIN.	F86		
008A	JANITOR CLOSET	3'-0"	7'-0"	1 3/4"	A	HM	-	12"	1	MTL	1	2	5	5-7/8"	●	STORM	-	F86		
010A	CORRIDOR	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	12"	1	MTL	1	2	5	5-7/8"	●	PANIC	-	14		
011A	MACH. RM	3'-0"	7'-0"	1 3/4"	A	HM	-	12"	1	MTL	1	2	5	5-3/4"	●	STORM	45 MIN.	F86		
012A	TRASH RM.	6'-0"	7'-0"	1 3/4"	A	HM	-	12"	3	MTL	3	4	5	5-3/4"	●	STORM	-	F86		
014A	MECH./ELEC. RM.	3'-0"	7'-0"	1 3/4"	A	HM	-	12"	2	MTL	3	4	5	5-3/4"	●	STORM	-	F86		
015A	STAIR TOWER #1	3'-0"	7'-0"	1 3/4"	A	HM	-	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	01	KEYED ENTRY FROM OUTSIDE	
016A	STAIR TOWER #2	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	01		
016B	STAIR TOWER #2 - EXTERIOR	3'-0"	7'-0"	1 3/4"	A	HM	-	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	03	KEYED & DKS ENTRY FROM OUTSIDE	
109A	STAIR TOWER #1 - 1ST FLR.	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	14		
112A	STAIR TOWER #2 - 1ST FLR.	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	14		
209A	STAIR TOWER #1 - 2ND FLR.	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	14		
212A	STAIR TOWER #2 - 2ND FLR.	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	14		
309A	STAIR TOWER #1 - 3RD FLR.	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	14		
312A	STAIR TOWER #2 - 3RD FLR.	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	14		
409A	STAIR TOWER #1 - 4TH FLR.	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	14		
412A	STAIR TOWER #2 - 4TH FLR.	3'-0"	7'-0"	1 3/4"	B	HM	WIRE	-	2	MTL	3	4	5	5-3/4"	●	PANIC	45 MIN.	14		

WINDOW SCHEDULE																	
		LABEL	WINDOW				MATL.	GLASS	TEMP.	PERF.	TYPE	MATL.	FRAME				COMMENTS / REMARKS
NO.	ROOM NAME		W	H	T	DETAILS							HEAD	JAMB	SILL		
GROUND FLOOR																	
1	COMM. SPACE SIDE WINDOWS	W1	6'-8"	6'-10"	4 1/2"	1"	INSUL	-	-	HM	ALUM	6	10	8	4 1/2"	KAWNEER TRIFAB STORE FRONT WINDOW	
2	FLEX COMMERCIAL SPACE #1	W2	25'-2"	7'-0"	4 1/2"	1"	INSUL	DOCR	-	HM	ALUM	6	10	8	4 1/2"	KAWNEER TRIFAB STORE FRONT WINDOW / DOOR	
3	FLEX COMMERCIAL SPACE #2	W3	23'-4"	7'-0"	4 1/2"	1"	INSUL	DOCR	-	HM	ALUM	6	10	8	4 1/2"	KAWNEER TRIFAB STORE FRONT WINDOW / DOOR	
4	STAIR TOWER WINDOWS	W4	2'-4"	4'-6"	-	-	INSUL	-	LOW-E	-	-	-	-	-	-	SUPPLIED BY MODULAR COMPANY - INSTALLED BY G.C.	

LOUVER / VENT SCHEDULE														
NO.	TYPE / SIZE	QUA.	LOUVER / VENT			COLOR	MATL.	SCREEN	TYPE	MATL.	WIDTH	FLANGE		
			W	H	T							W	H	T
L1	24" x 36" / WALL PACK HVAC	34	2'-0"	2'-6"	6"	WHITE	ALUM.	X	WELDED	ALUM.	1-1/2"	41R01TE #K6096		
L2	36" x 36" / MECH. RM VENTS	2	3'-0"	3'-0"	6"	BLACK	ALUM.	X	WELDED	ALUM.	1-1/2"	41R01TE #K6096		
L3	4" x 6" / BATHROOM VENTS	32	6"	6'-1/2"	4" PRO.	WHITE	ALUM.	X	-	-	-	FAMCO #WV64H		
L4	3 1/4" x 10" / KITCHEN VENT	32	11-3/8"	4-1/2"	3" PRO.	WHITE	STEEL	X	-	-	-	FAMCO #WV310WH		

1 HEAD DETAIL • GWB
Scale: 3/4" = 1'-0"

2 JAMB DETAIL • GWB
Scale: 3/4" = 1'-0"

3 HEAD DETAIL • CMU
Scale: 3/4" = 1'-0"

4 JAMB DETAIL • CMU
Scale: 3/4" = 1'-0"

5 THRESHOLD DETAIL
Scale: 3/4" = 1'-0"

6 TRANSOM HEAD DETAIL
Scale: 3/4" = 1'-0"

7 HEAD DETAIL • TRANSOM
Scale: 3/4" = 1'-0"

9 DOOR JAMB DETAIL
Scale: 3/4" = 1'-0"

11 TRANSOM BAR DETAIL
Scale: 3/4" = 1'-0"

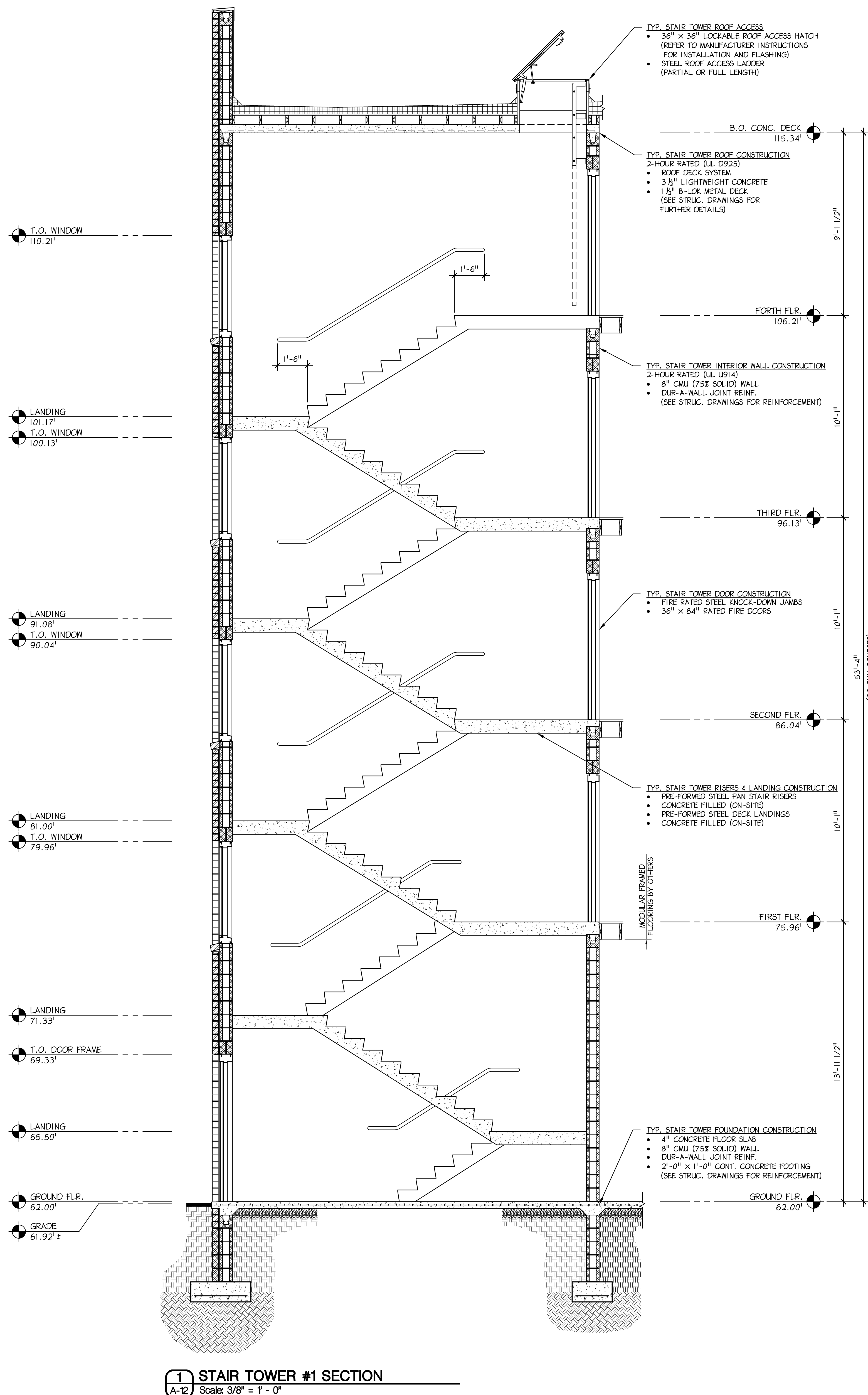
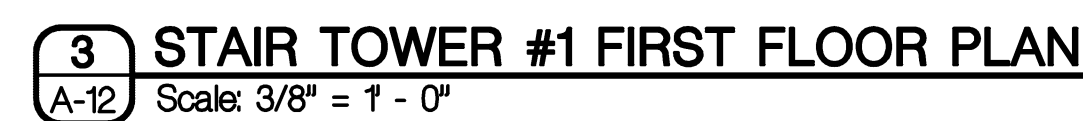
10 JAMB DETAIL
Scale: 3/4" = 1'-0"

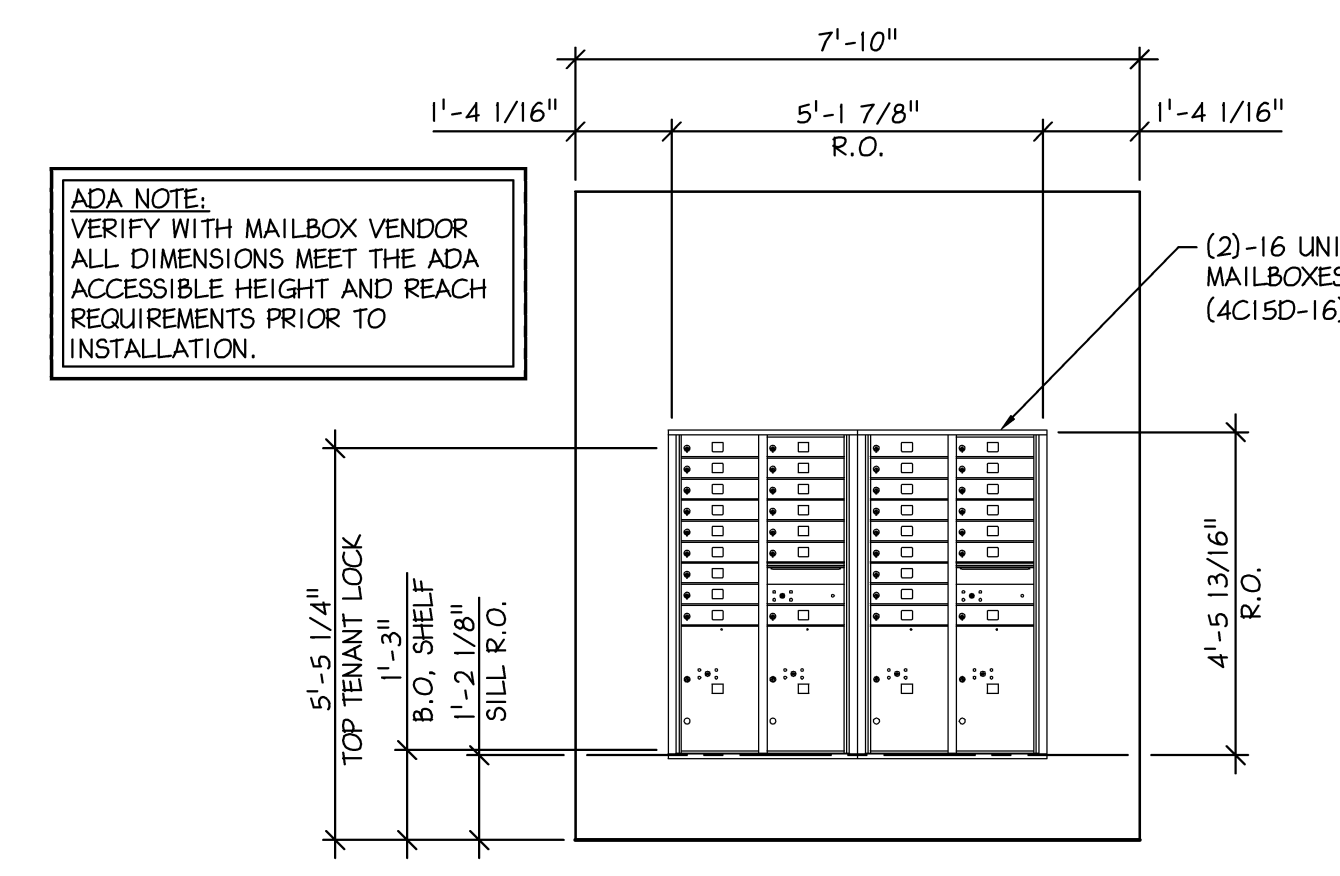
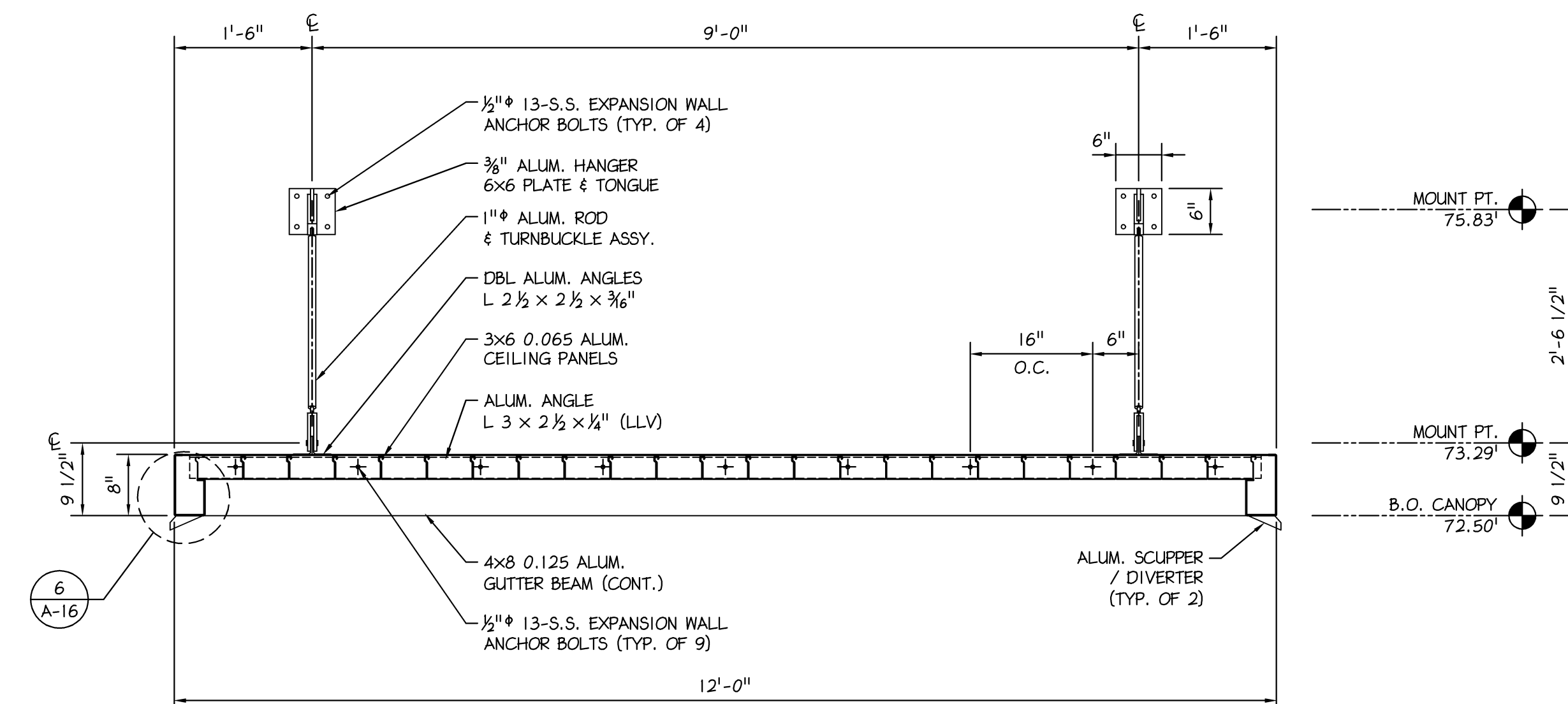
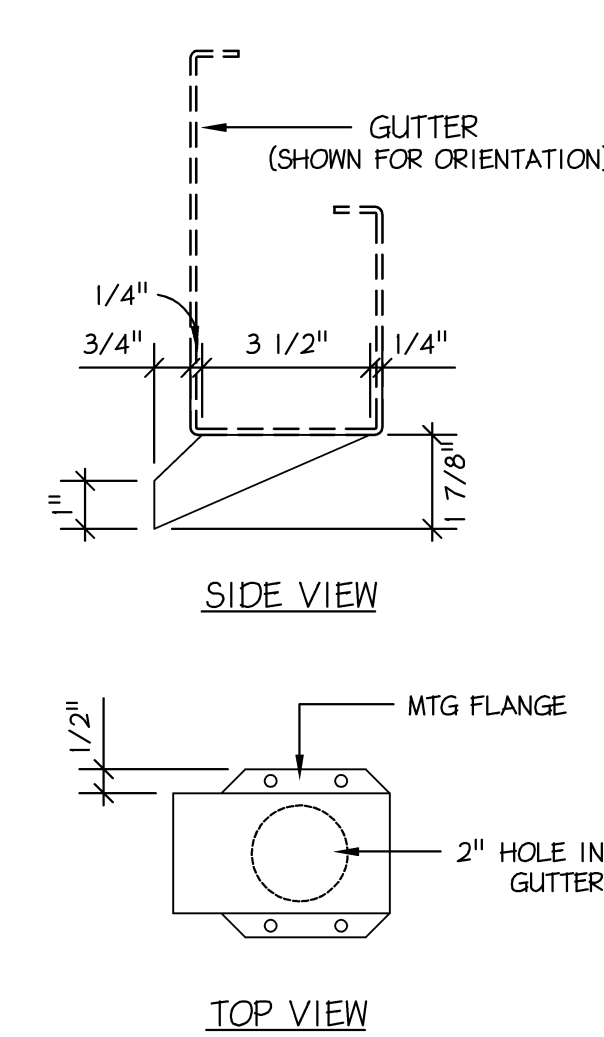
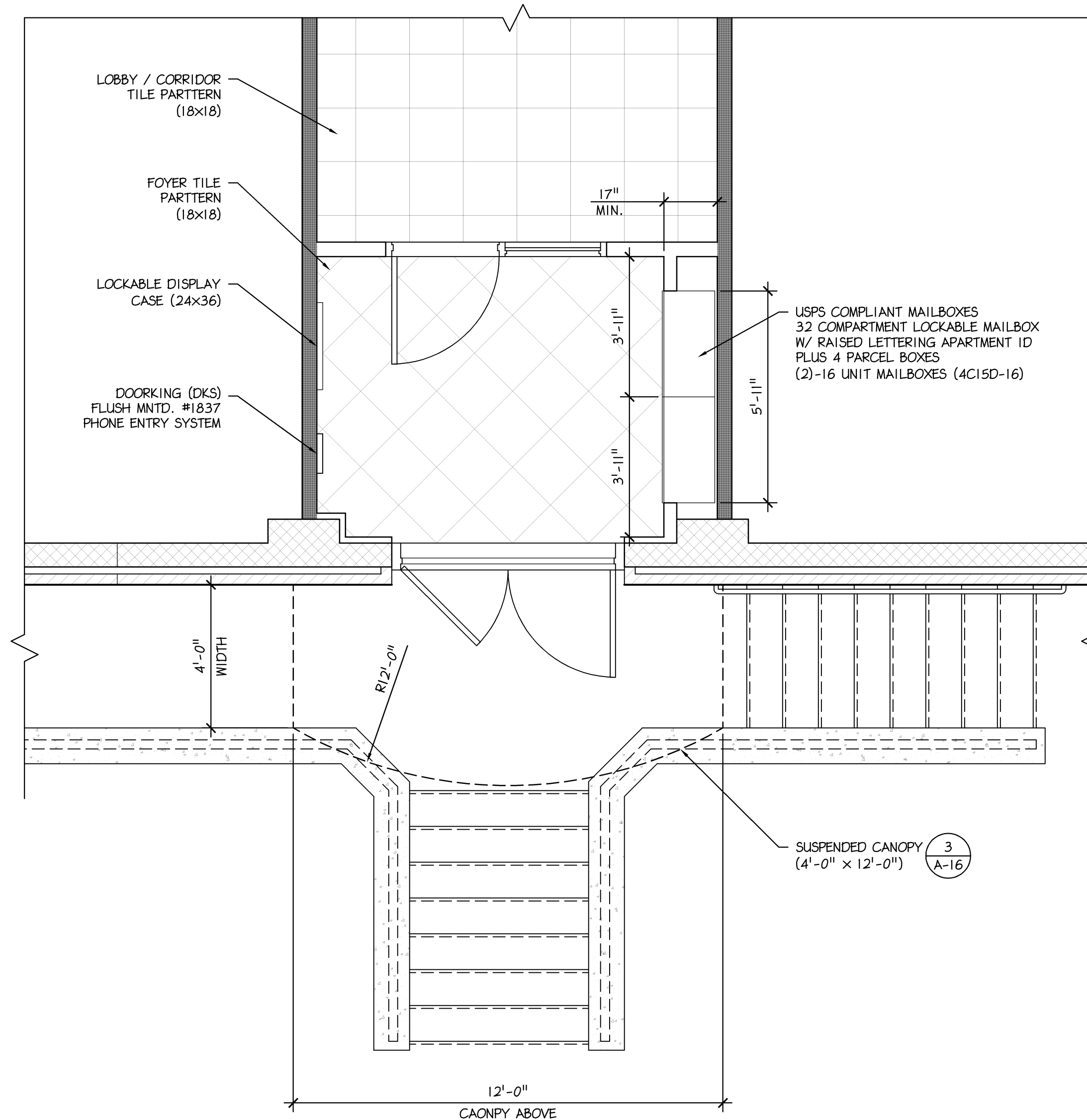
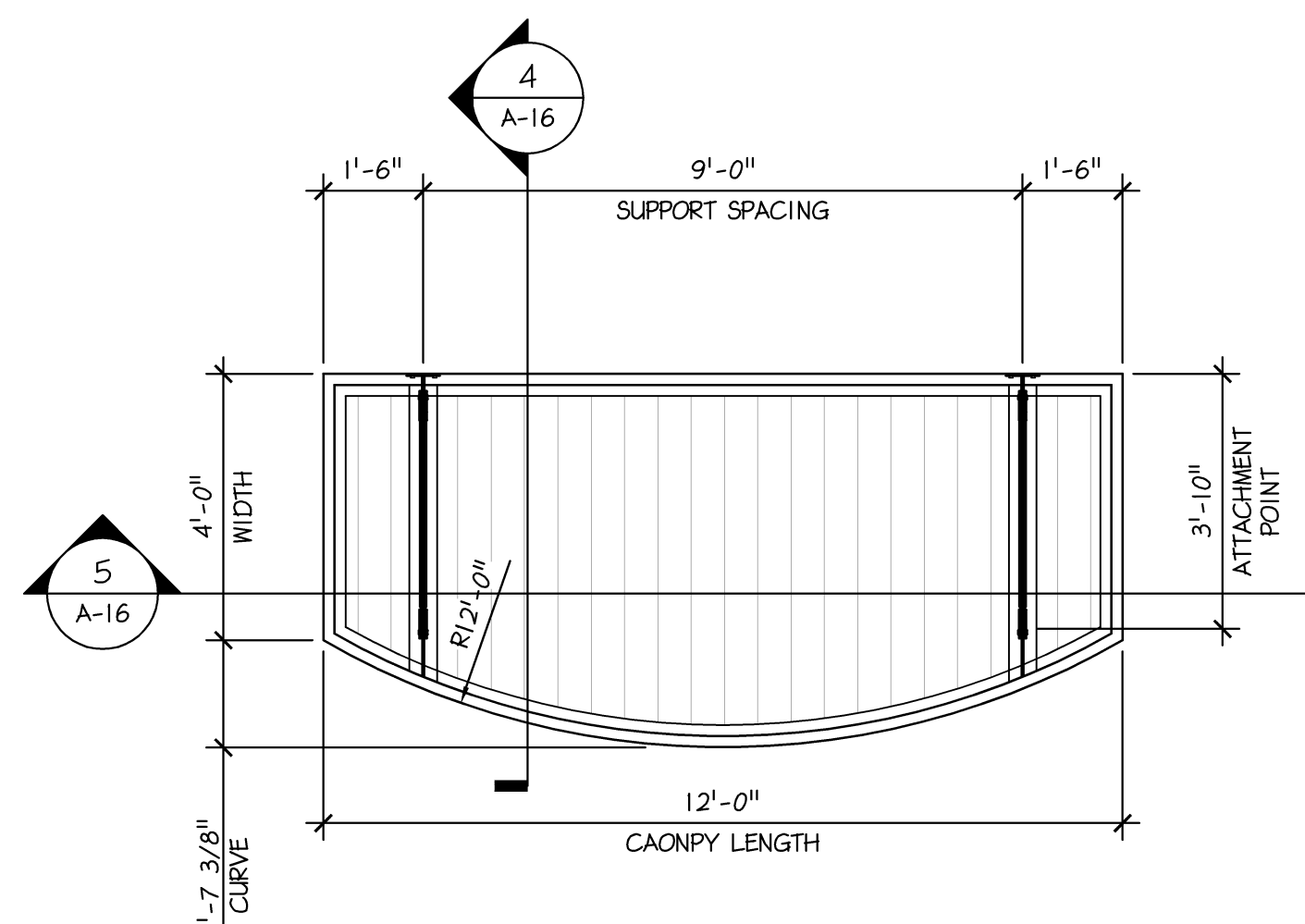
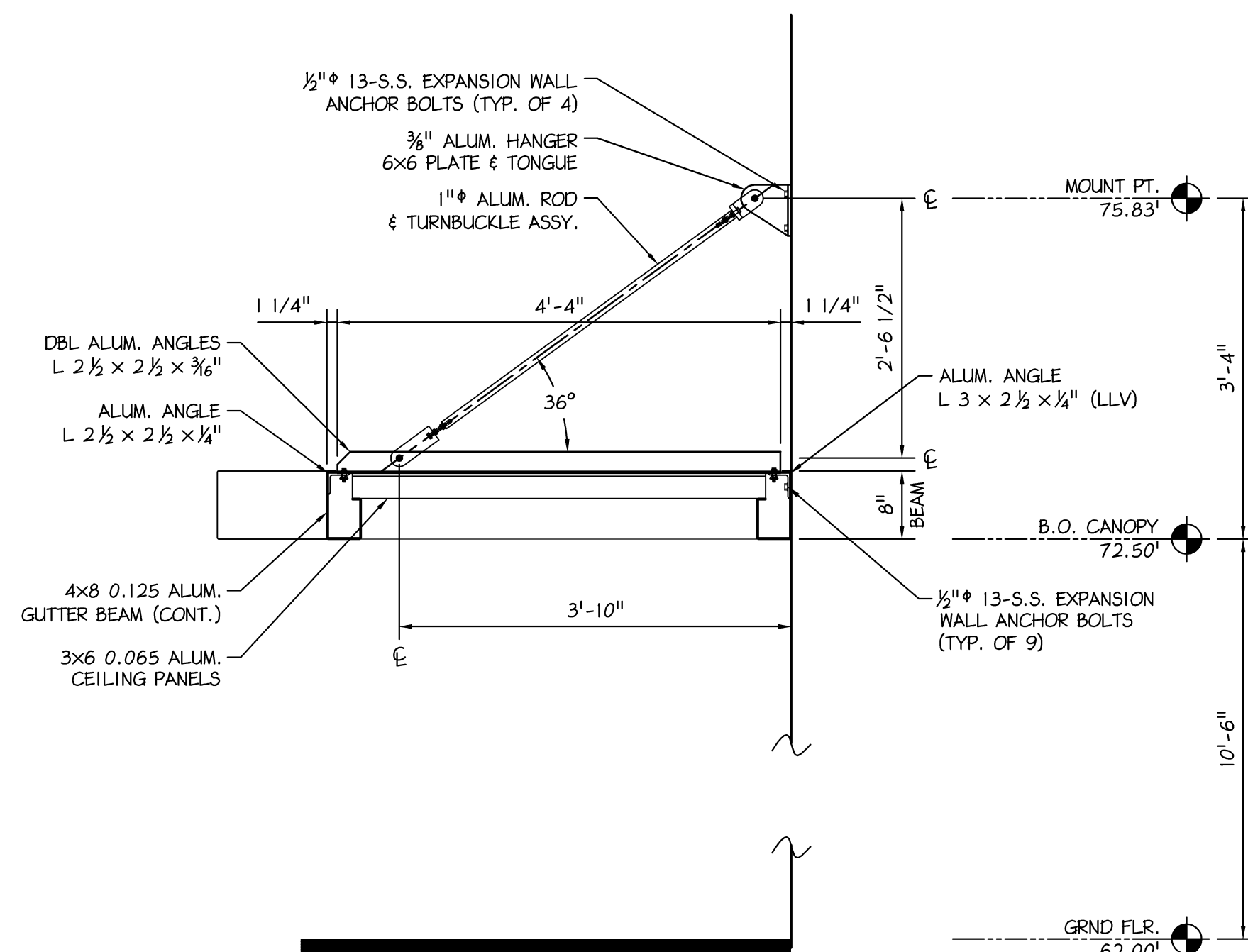
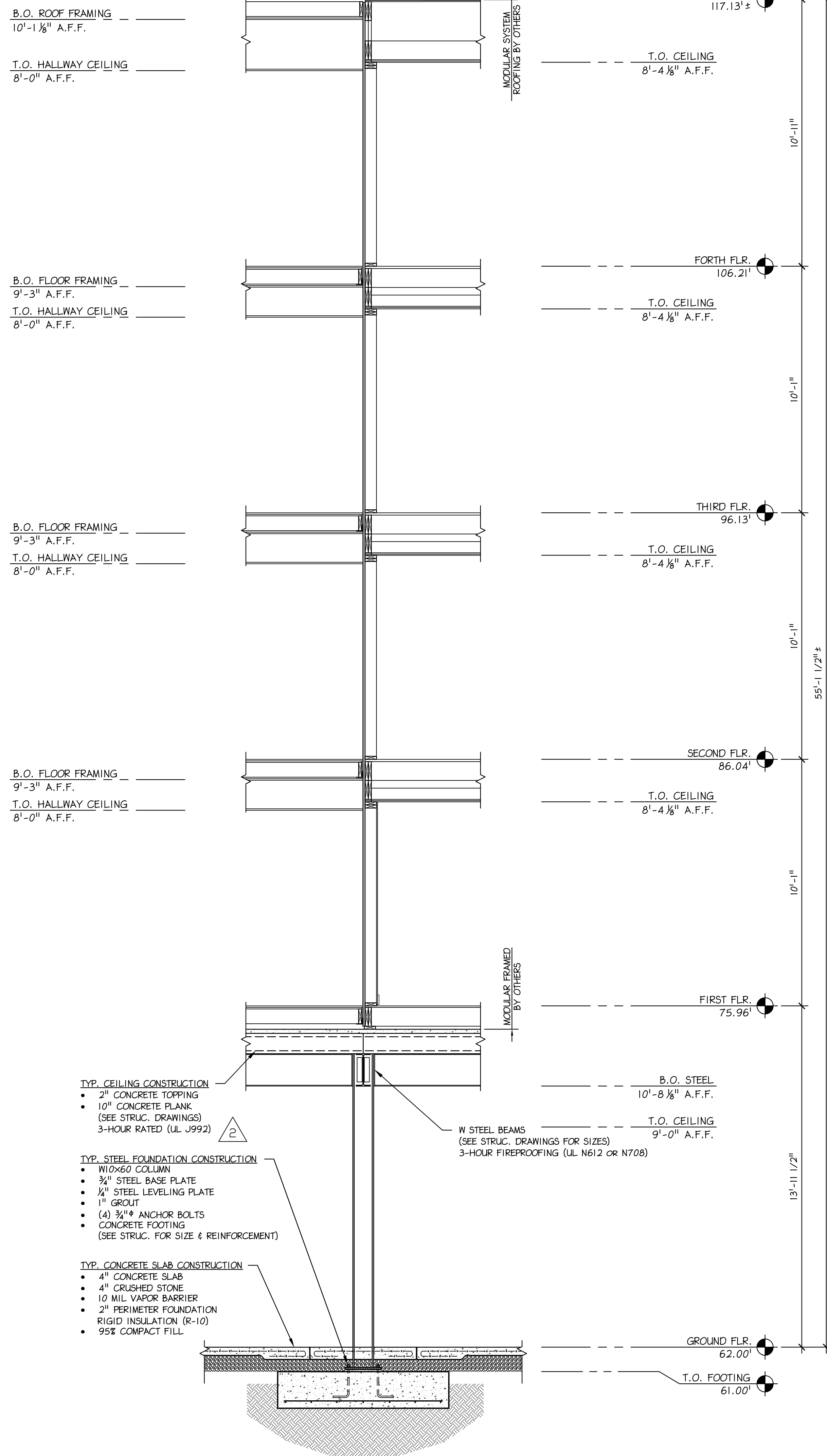
8 SILL DETAIL
Scale: 3/4" = 1'-0"

12 BOTTOM DOOR DETAIL
Scale: 3/4" = 1'-0"

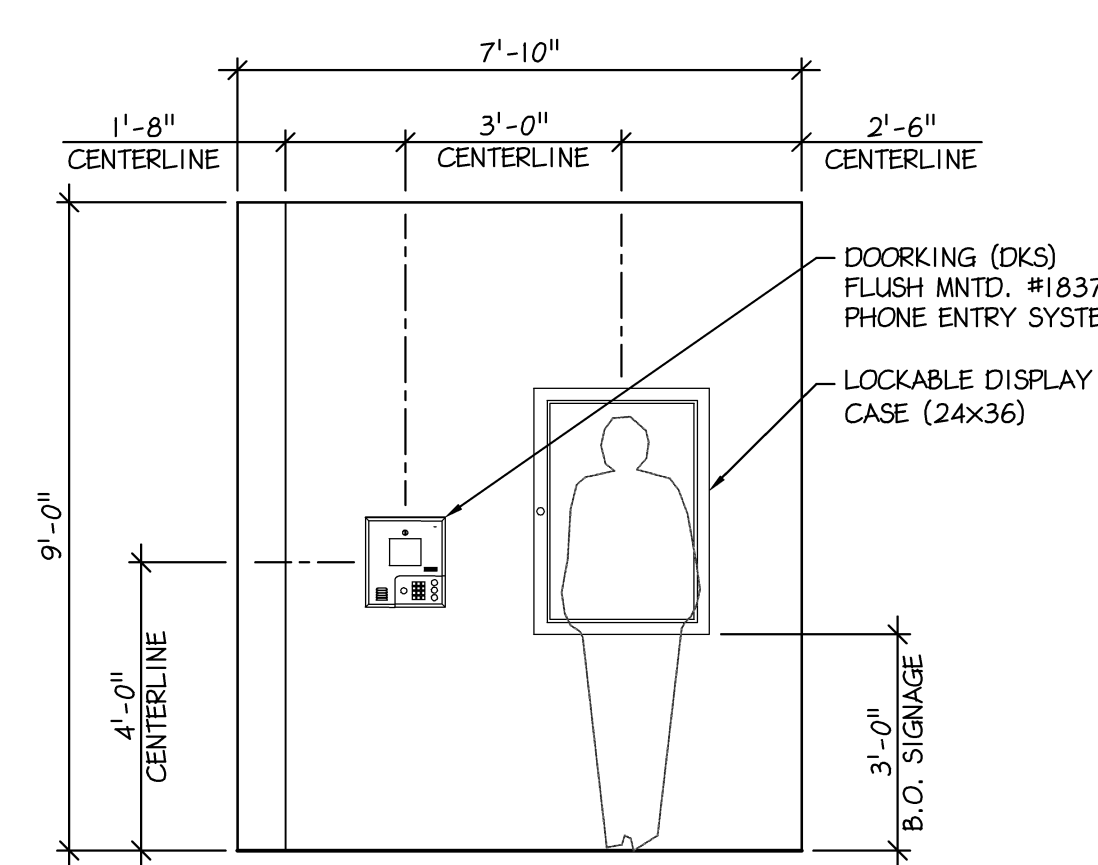
PROJECT NO.		DRAWN BY		CHK'D BY
B3907		EMH		EMH
NO.	DATE	BY	ISSUE	
1	05-15-2015	EMH	ISSUED FOR PERMIT REVIEW	
2	11-04-2015	EMH	REVISED UL DESIGN DETAILS RE-ISSUED FOR PERMIT	
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APPROVED BY			CURRENT DATE	
Robin J. Kohn, AIA			November 04, 2015	

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ADA NOTE:
VERIFY WITH ENTRY SYSTEM
VENDOR ALL DIMENSIONS MEET
THE ADA ACCESSIBLE HEIGHT
AND REACH REQUIREMENTS PRIOR
TO INSTALLATION.



Robin J. Kohn, AIA
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License No. RA-11327-X

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Contact Person:
Edward M. (Kipp) Hupp
(610) 917-8831

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Robin J. Kohn, AIA			November 04, 2015		

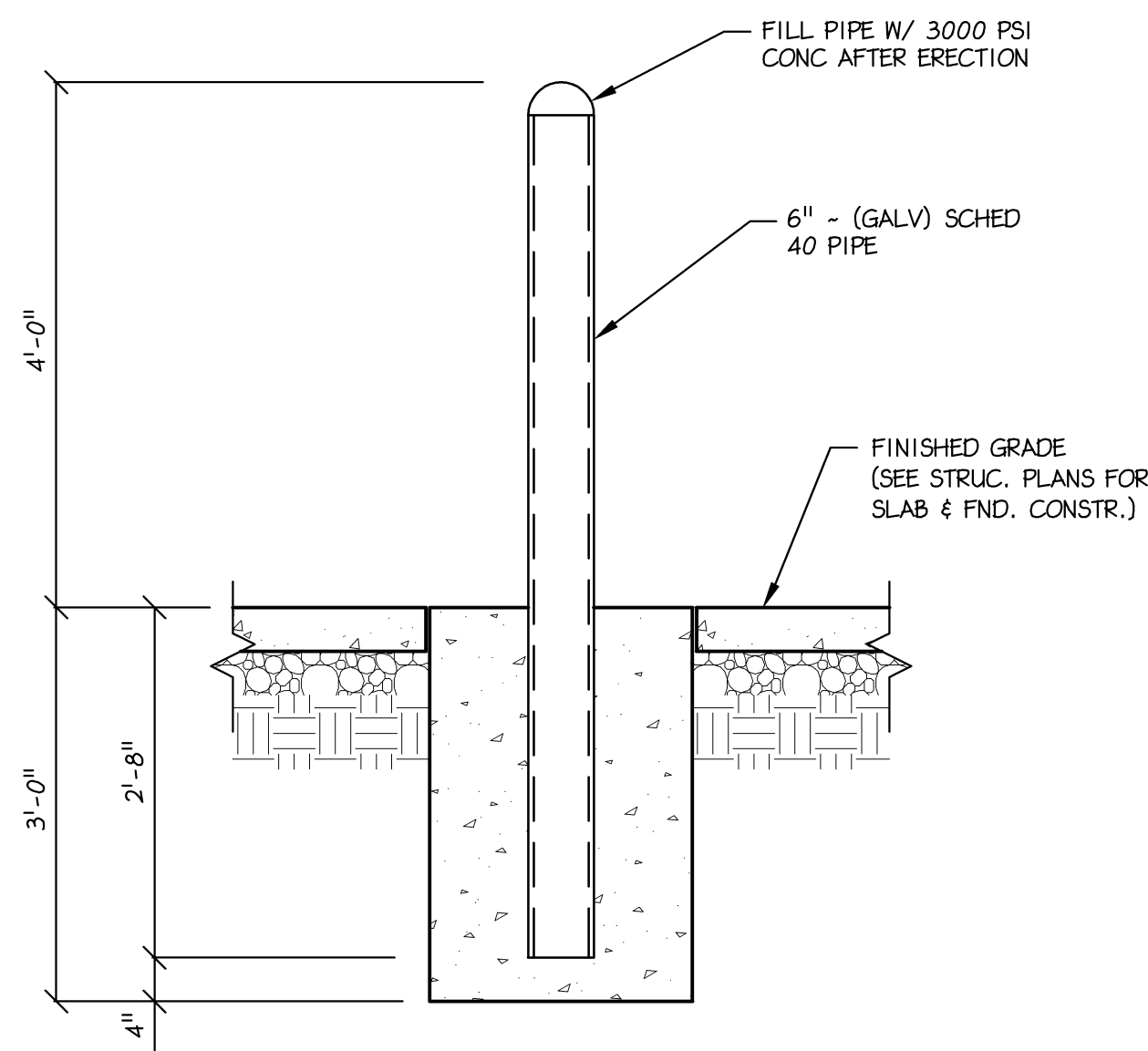
SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

**WALL SECTION,
ENLARGED ENTRY PLAN
AND CANOPY PLAN /
SECTIONS / DETAIL**

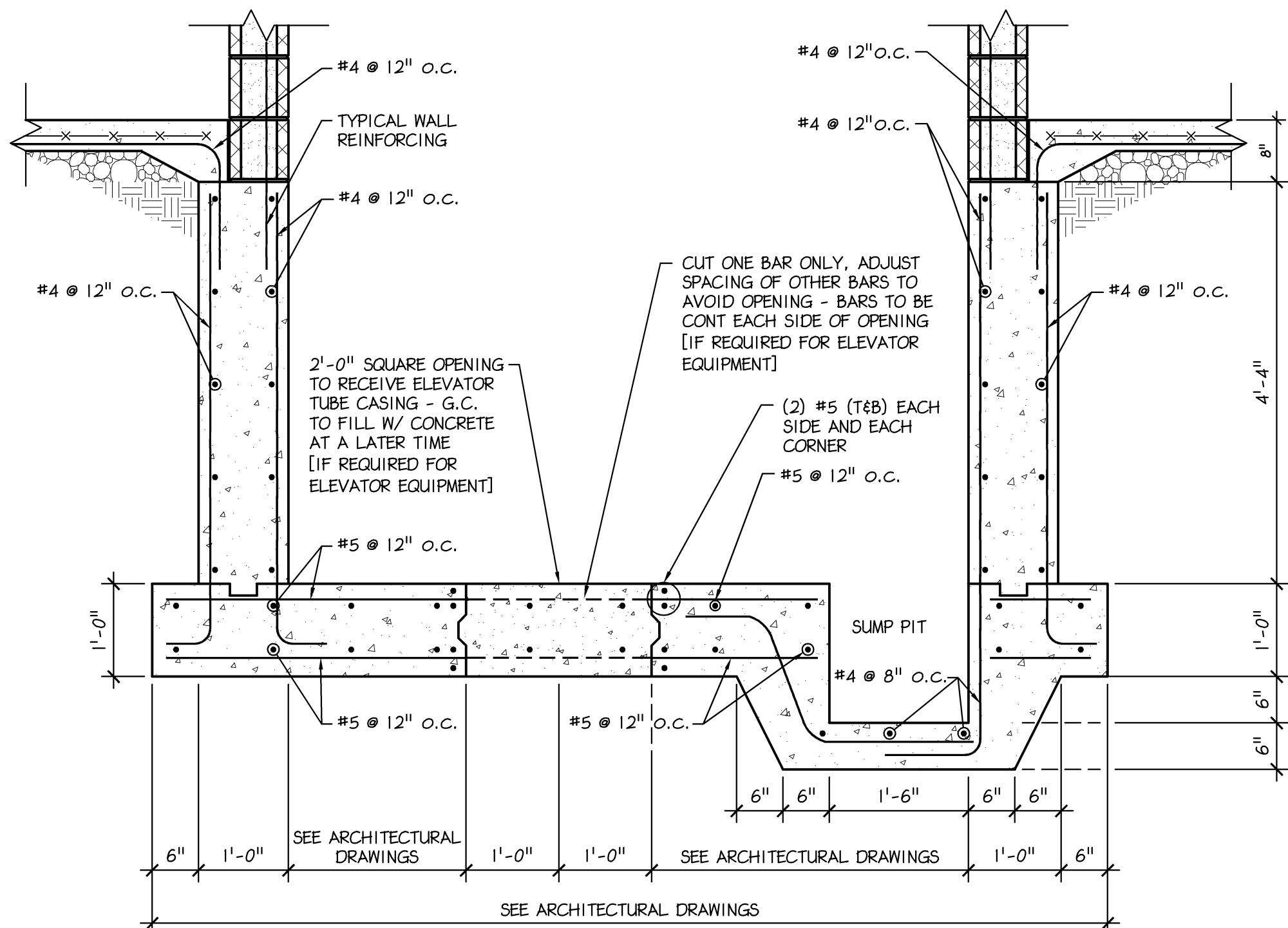
SHEET NUMBER

A-16

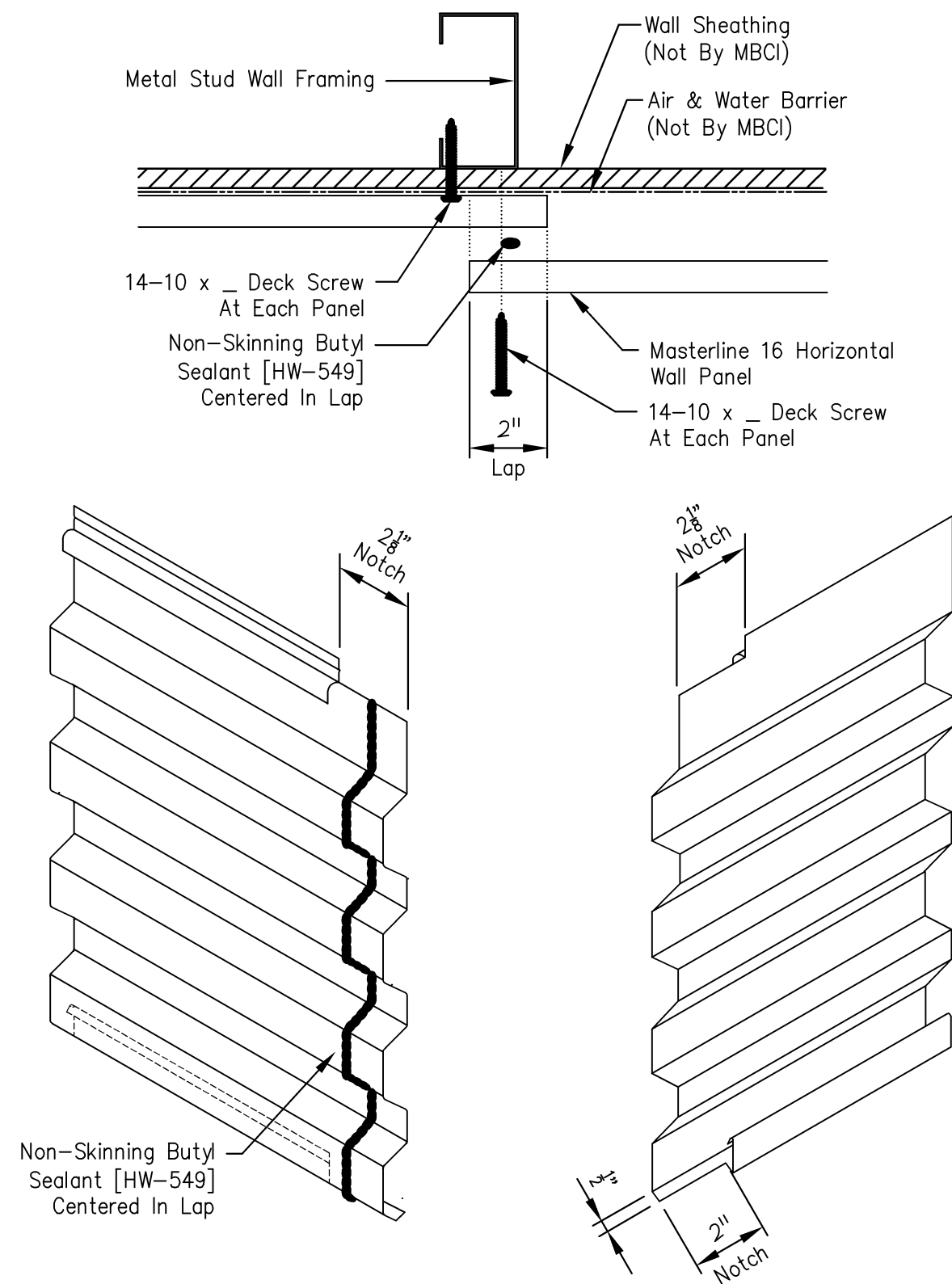
REV
2



1 PROTECTION BOLLARD DETAIL
A-17 Scale: 3/4" = 1' - 0"

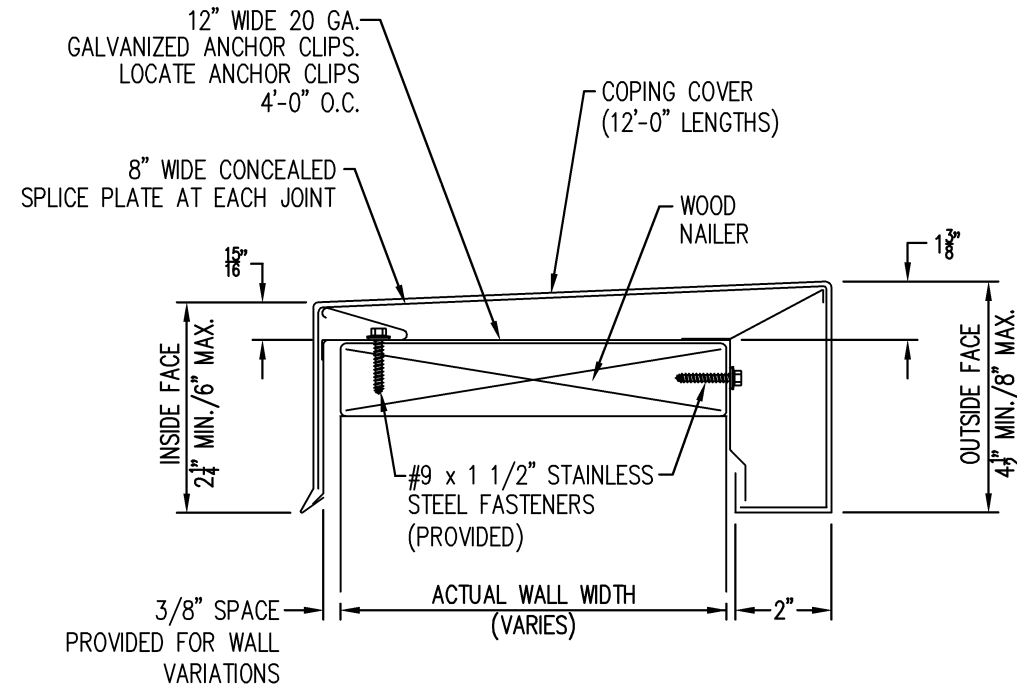


2 ELEVATOR PIT DETAIL
A-17 Scale: 3/4" = 1' - 0"

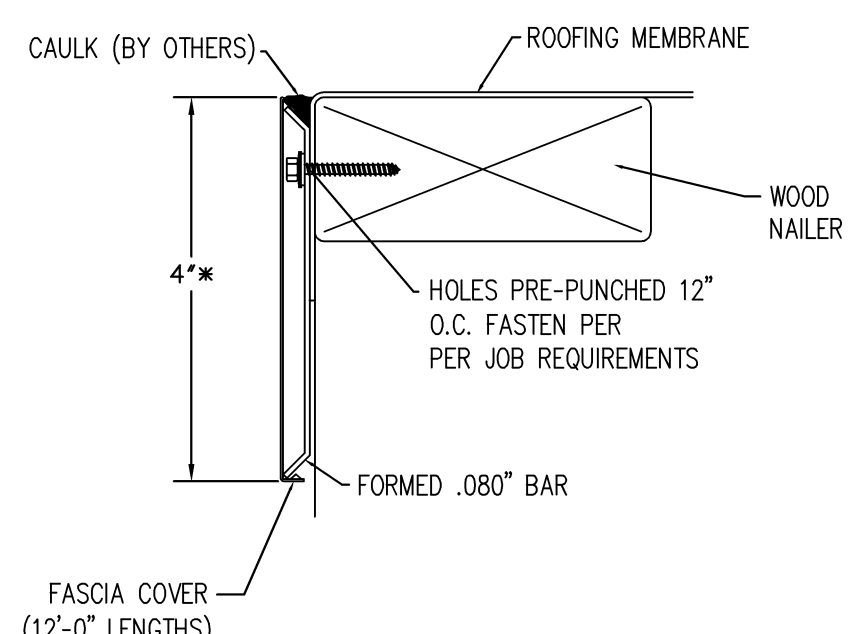


Panel Viewed From Exterior Side Panel Viewed From Interior Side

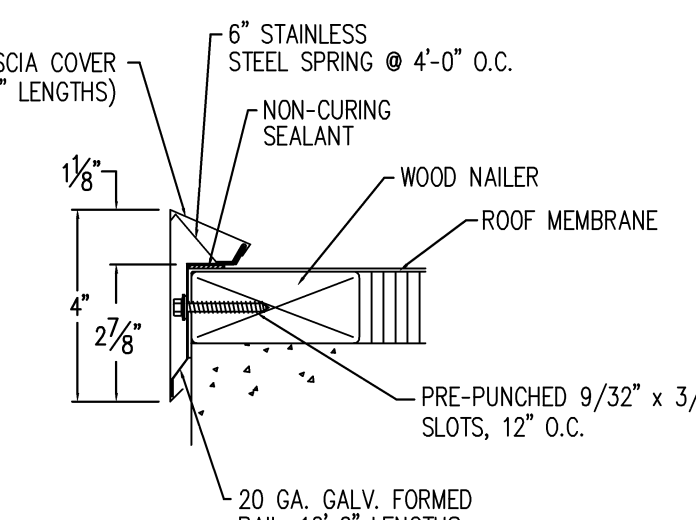
3 SPLICING DETAIL
A-17 Scale: 3" = 1' - 0" MBCI MASTERLINE-16



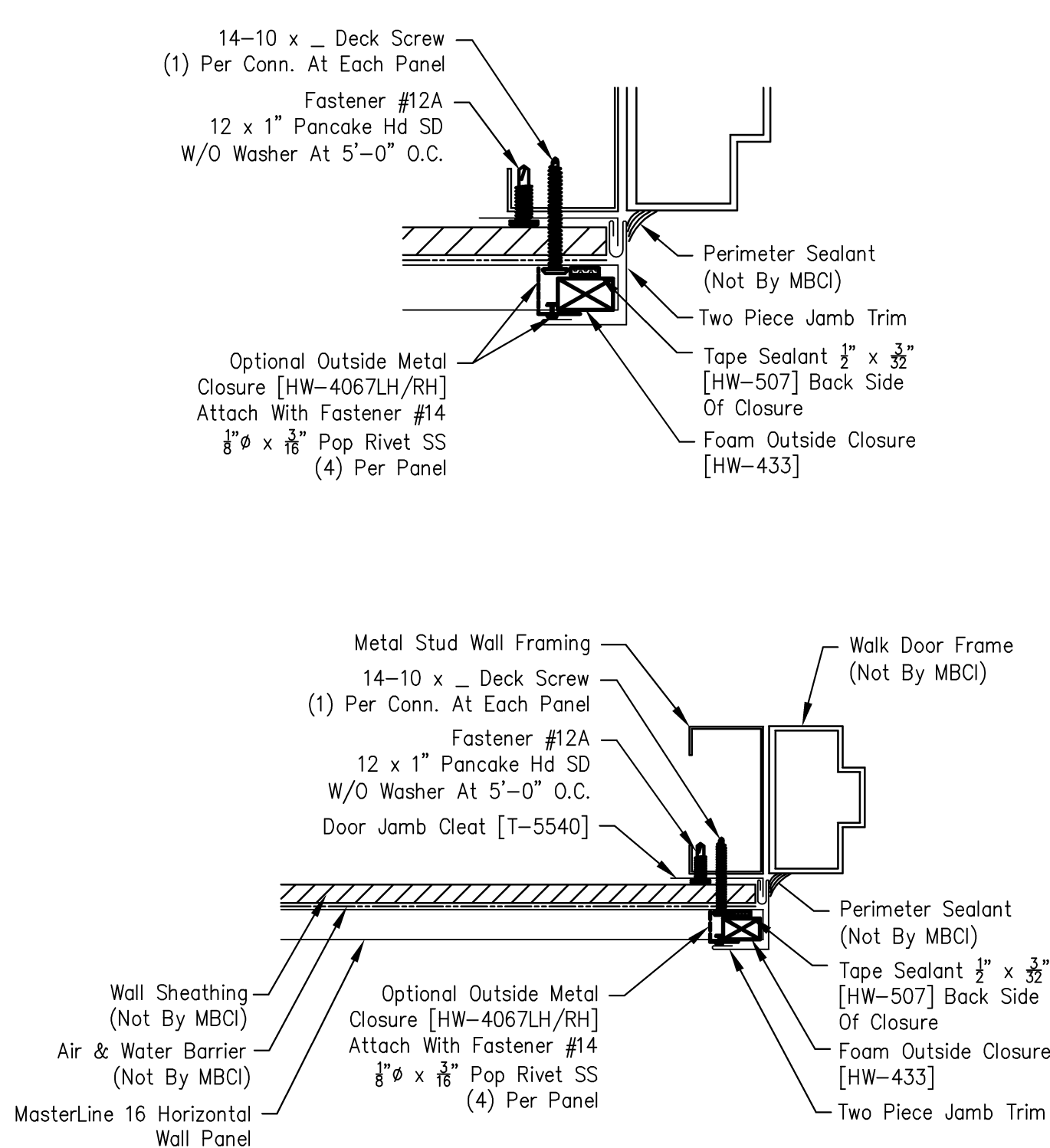
6 COPING DETAIL
A-17 Scale: 3" = 1' - 0" METAL-ERA BOLD FACE



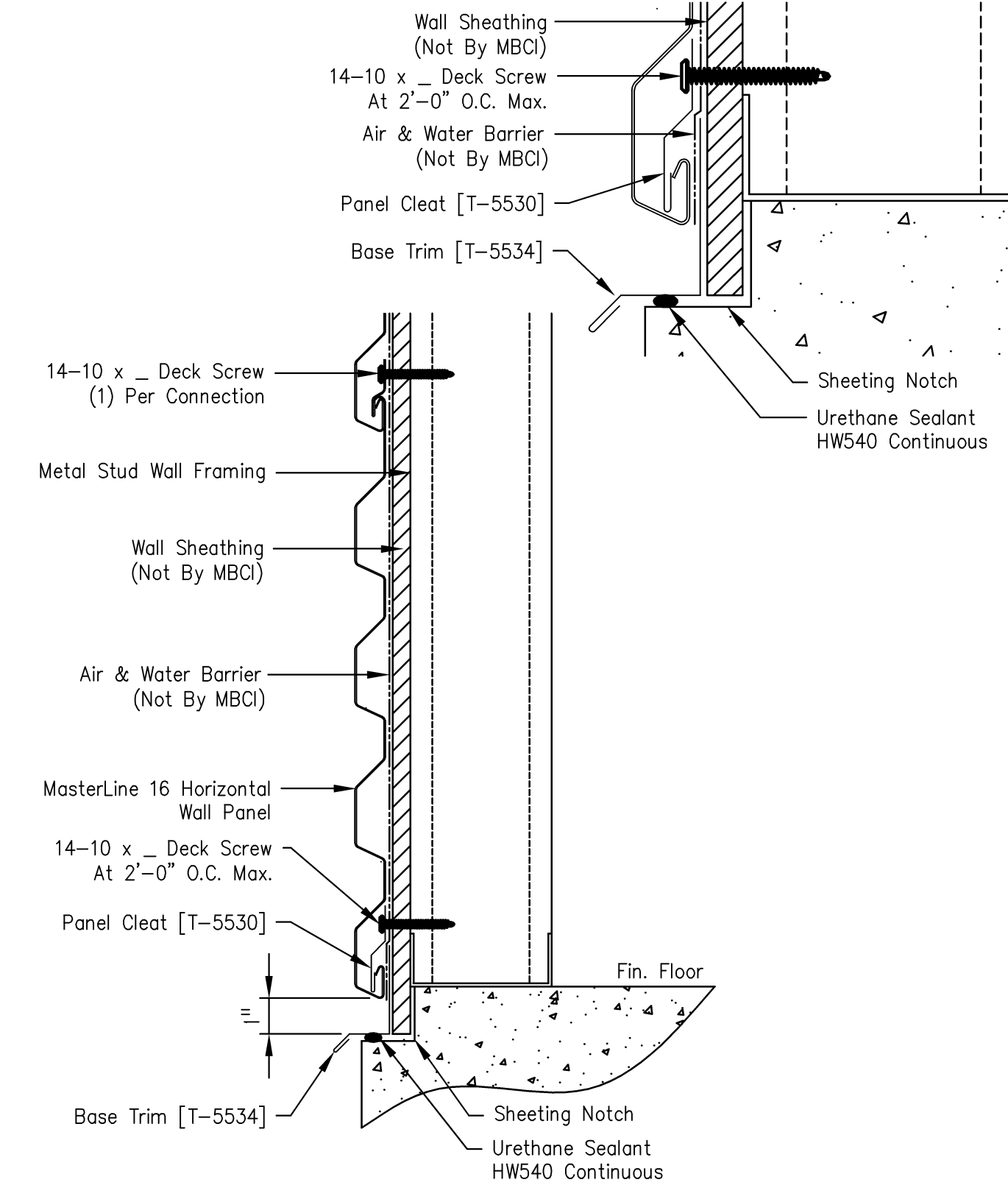
7 TERMINATION BAR DETAIL
A-17 Scale: 3" = 1' - 0" METAL-ERA ONE SLOT



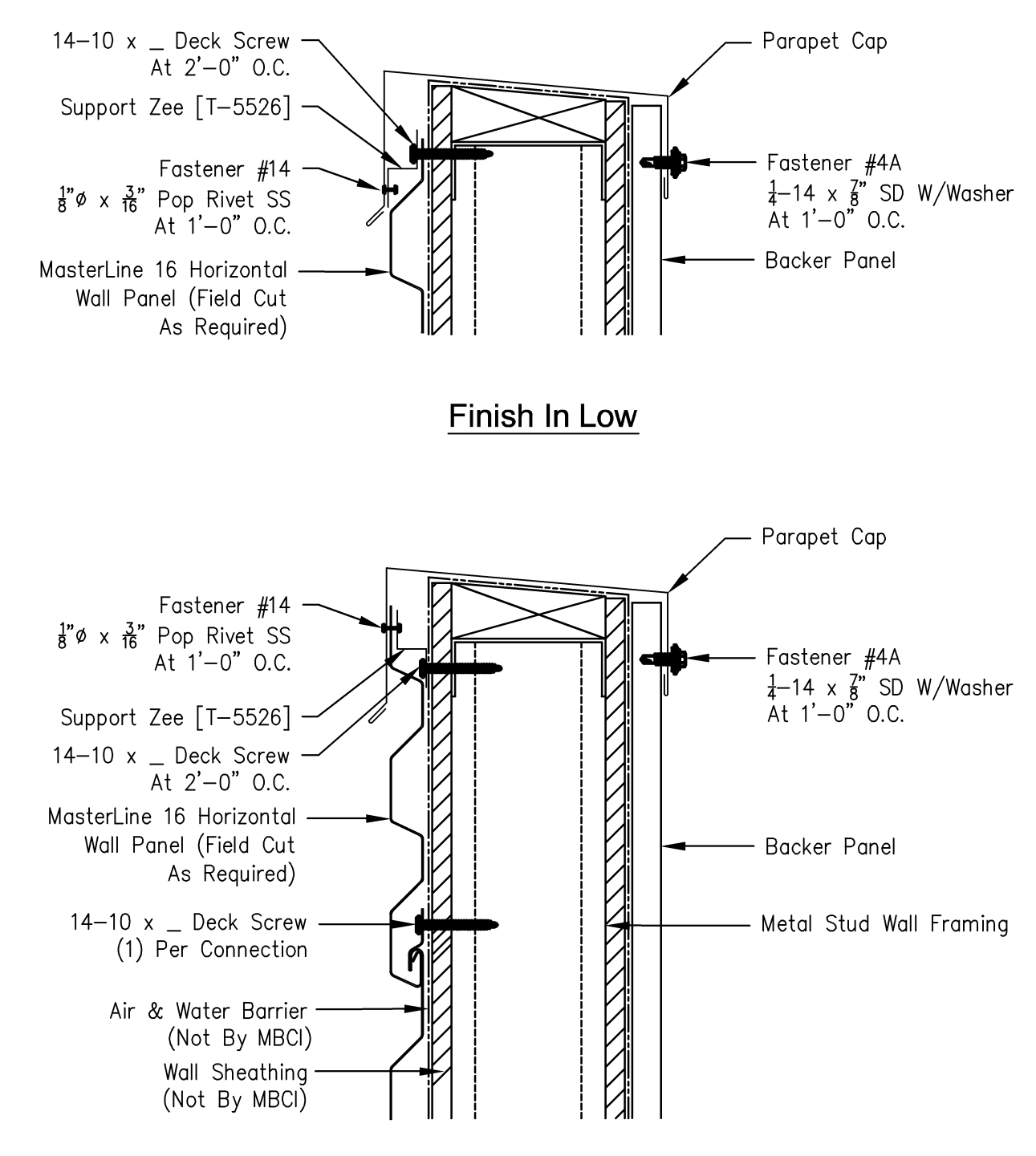
8 FASCIA COPING DETAIL
A-17 Scale: 3" = 1' - 0" METAL-ERA ONE SLOT



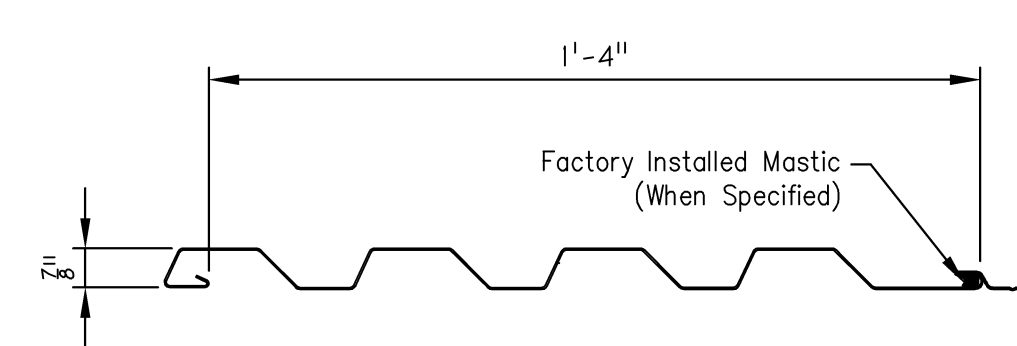
4 JAMB DETAIL
A-17 Scale: 3" = 1' - 0" MBCI MASTERLINE-16



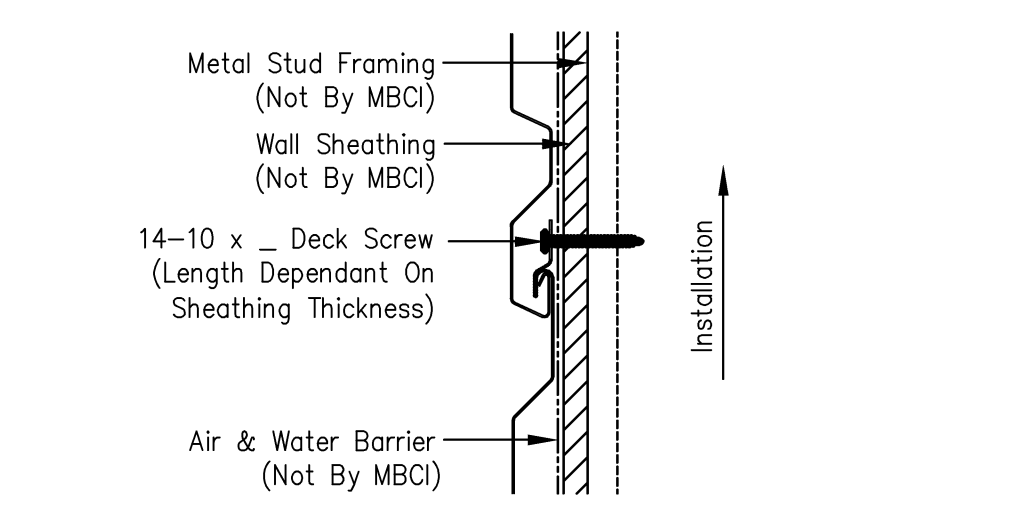
9 BASE DETAIL
A-17 Scale: 3" = 1' - 0" MBCI MASTERLINE-16



11 TERMINATION & COPING DETAIL
A-17 Scale: 3" = 1' - 0" MBCI MASTERLINE-16

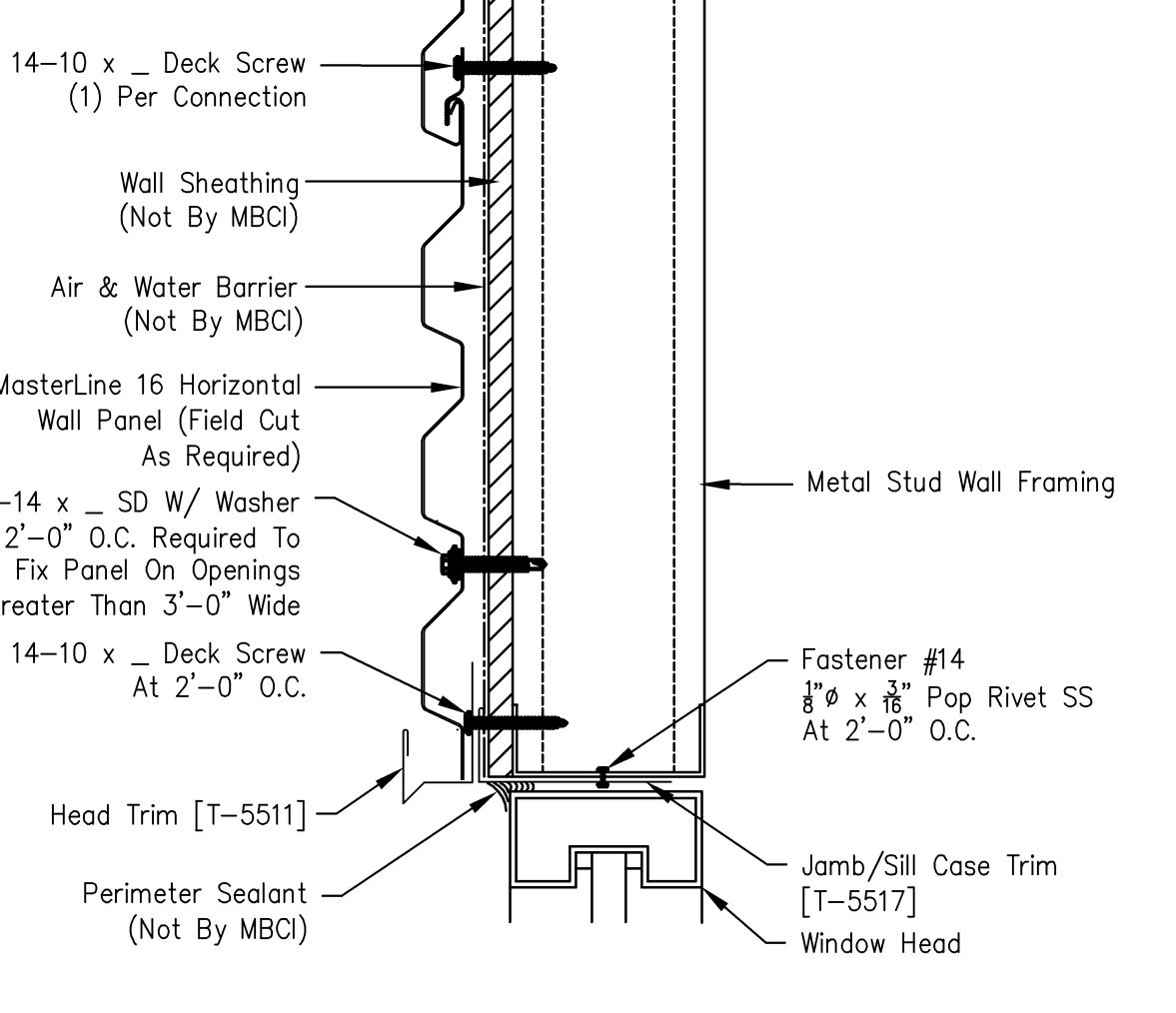
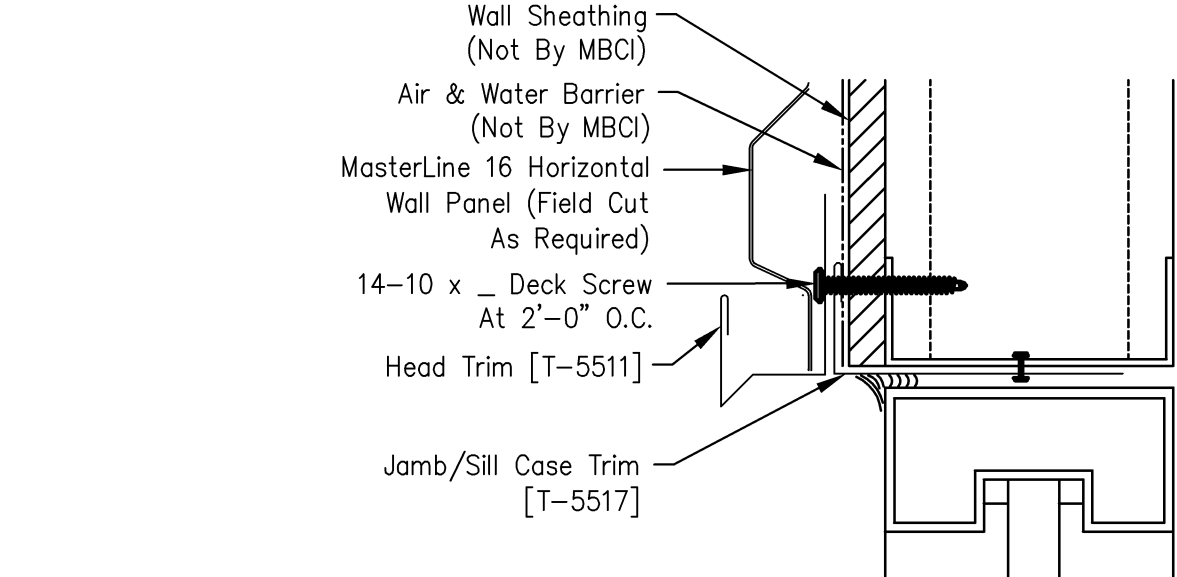


MasterLine 16 Panel Profile

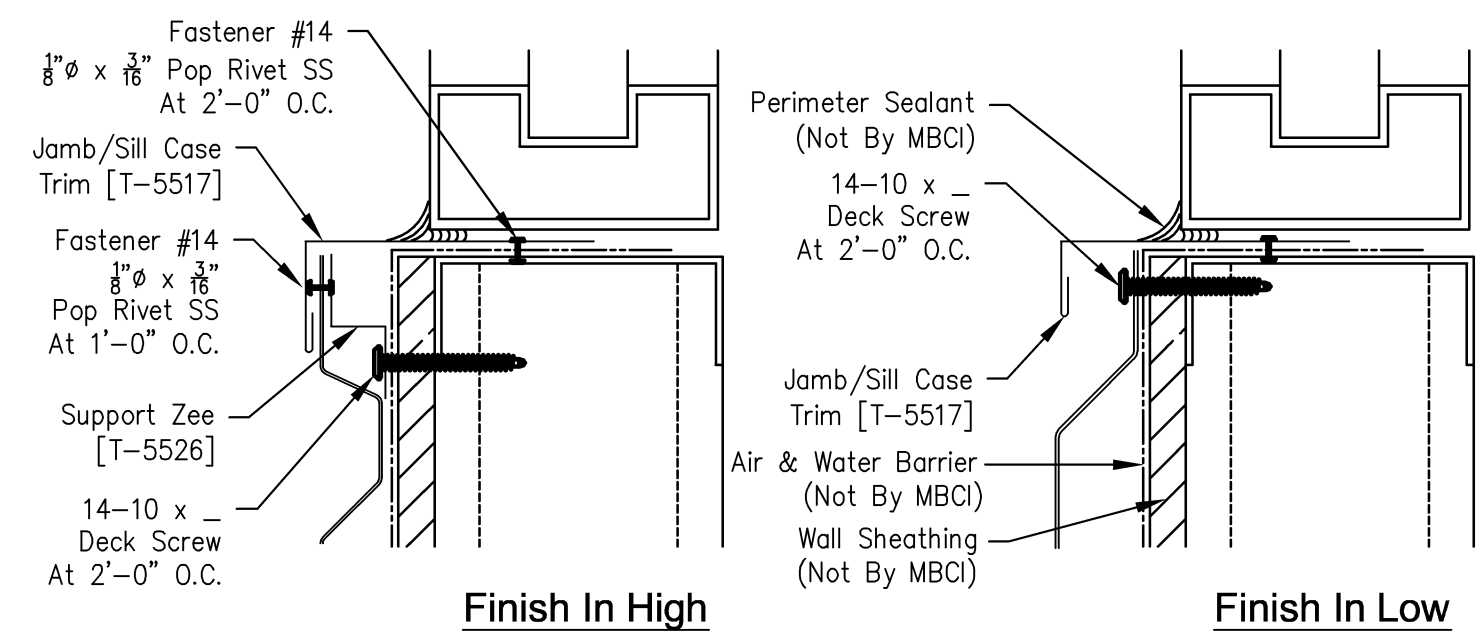


Panel Sidelap

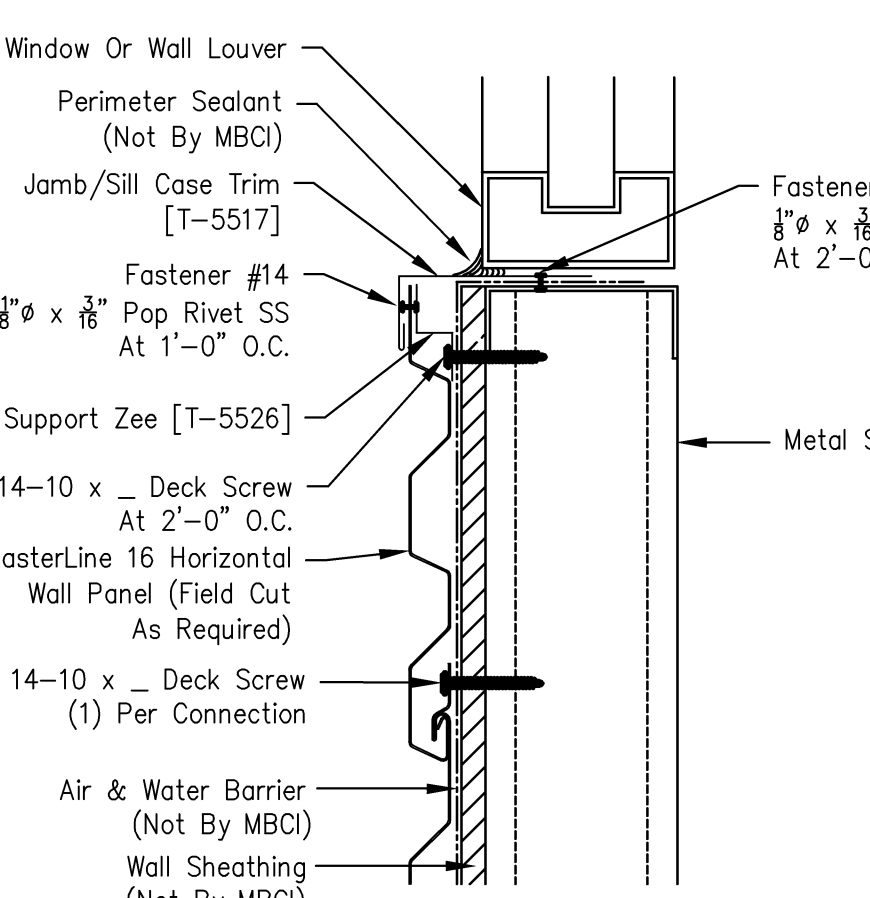
5 ATTACHMENT DETAIL
A-17 Scale: 3" = 1' - 0" MBCI MASTERLINE-16



10 WINDOW HEAD DETAIL
A-17 Scale: 3" = 1' - 0" MBCI MASTERLINE-16



Finish In High



12 WINDOW SILL DETAIL
A-17 Scale: 3" = 1' - 0" MBCI MASTERLINE-16

Betzwood Associates PC
Architects & Engineers
Robin J. Kohn, AIA
Karin W. Kuhn, PE

REGISTERED ARCHITECT
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Contact Person:
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(610) 917-8831

(010) 811-0801

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APPROVED BY
Robin J. Kohn, AIA

CURRENT DATE
May 15, 2015

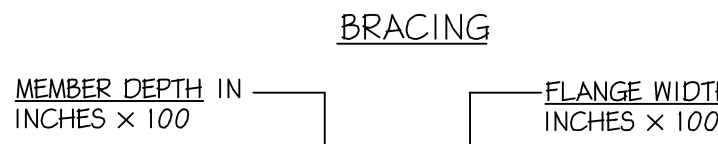
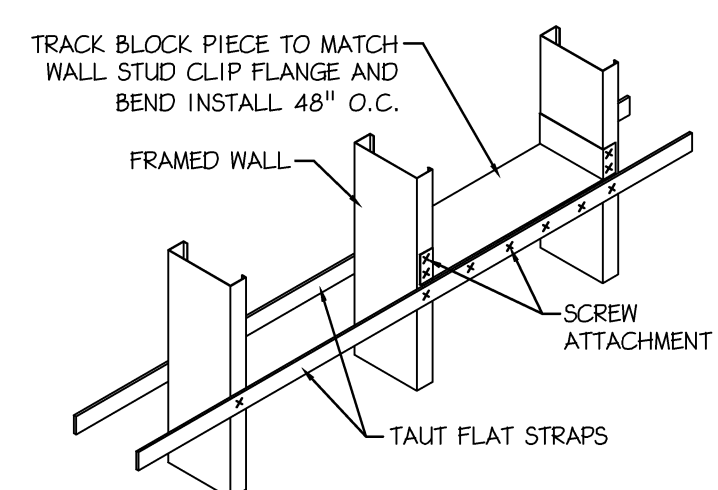
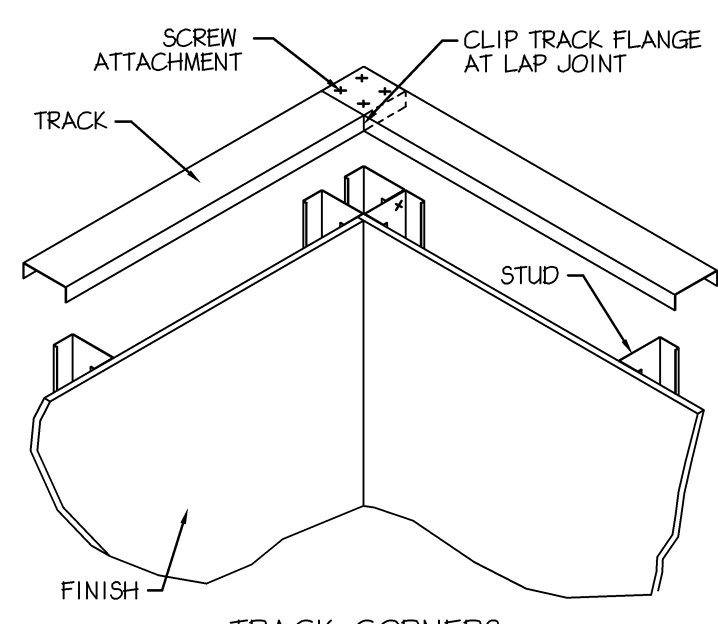
SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

SHEET TITLE
GENERAL & METAL
WALL PANEL DETAILS

SHEET NUMBER

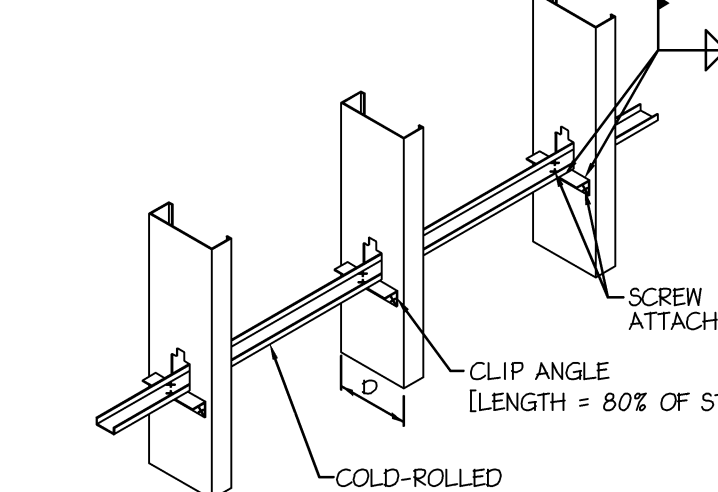
A-17

REV
1



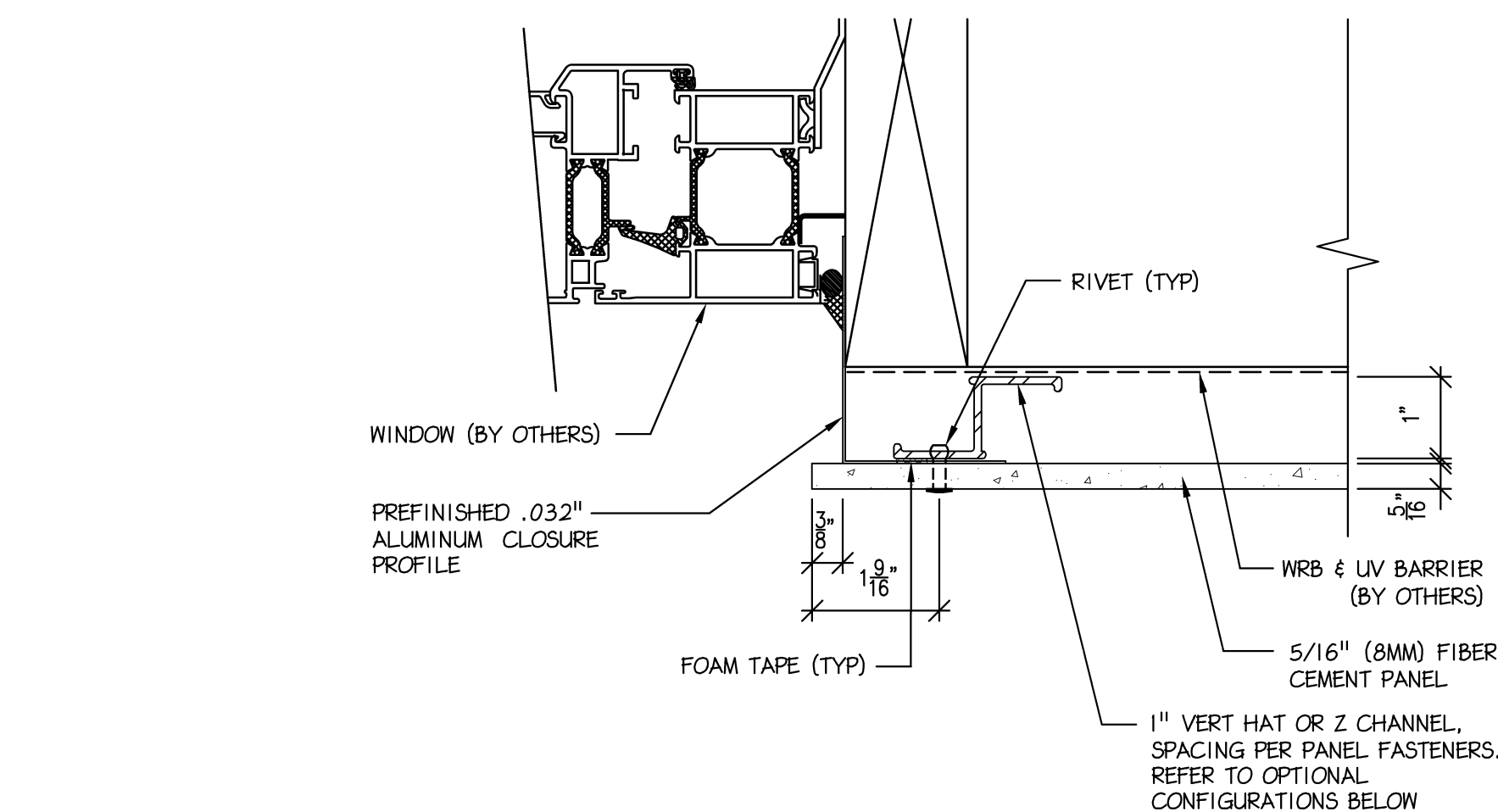
MEMBER TYPE
1\"/>

SSMA METAL STUD IDENTIFICATION	
EXAMPLES:-	MIL. - GAUGE EQUIVALENTS:
6" STUD, 1-5/8" FLANGE, 16 GA.	MIL. GAUGE
600S162-54	18 25
	27 22
	30 20 - DRY
4" TRACK, 2" FLANGE, 18 GA.	33 20 - STR
	43 18
	54 16
400T200-43	68 14
	97 12

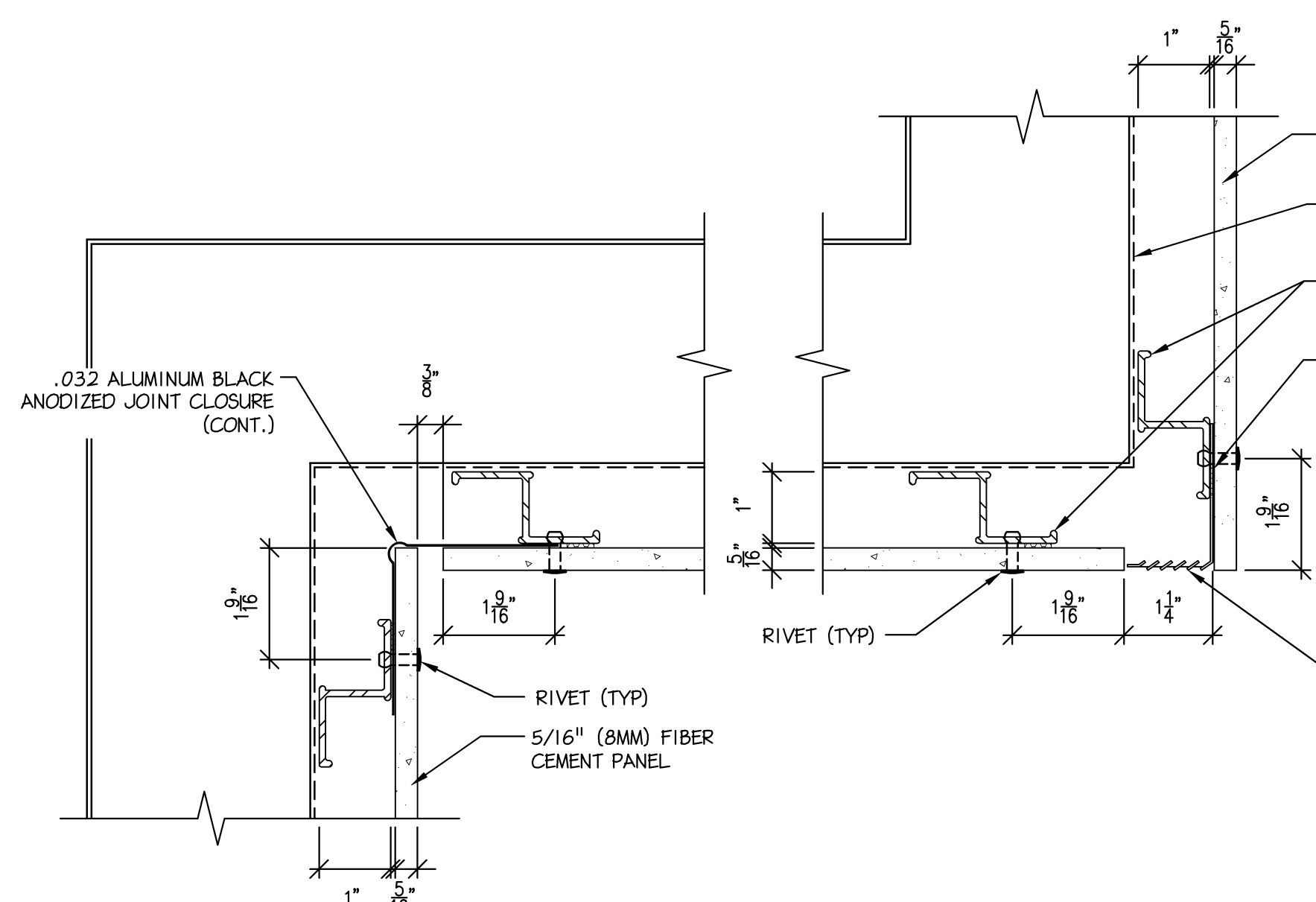


BRIDGING - COLD-ROLLED CHANNEL WITH CLIP ANGLE

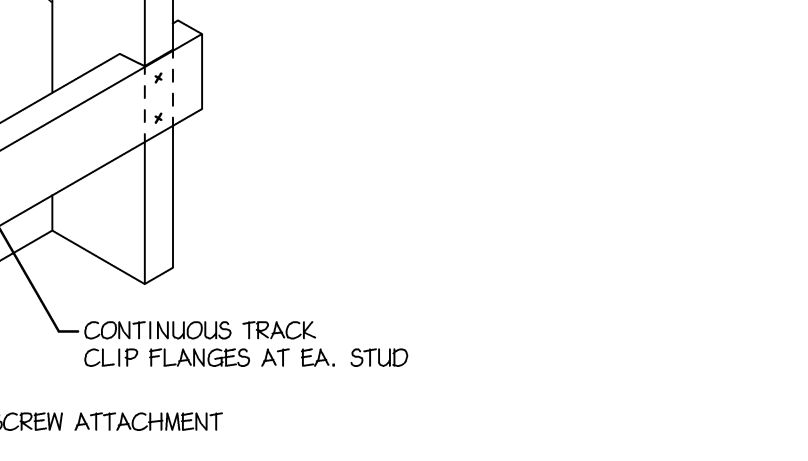
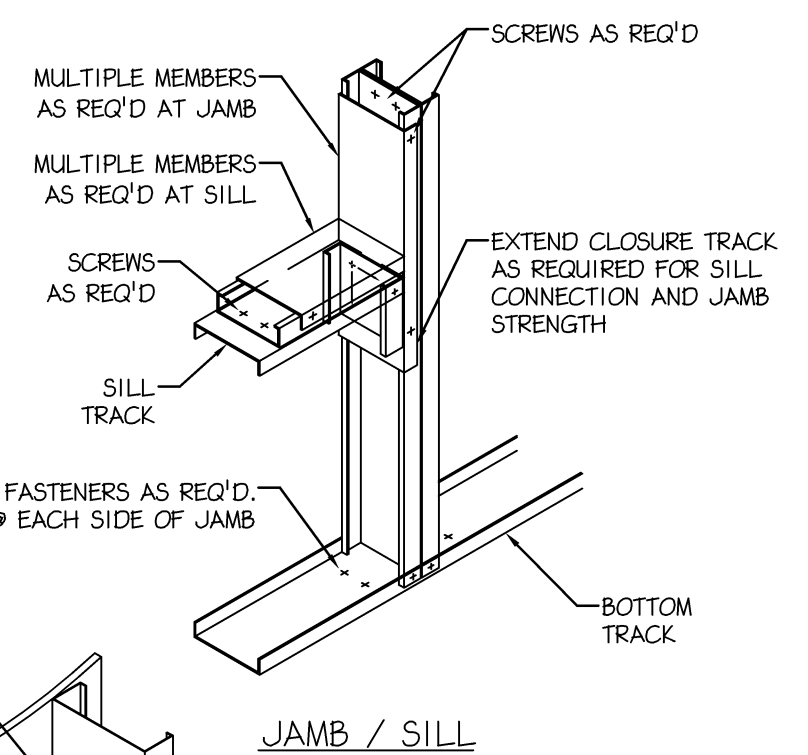
1 **STANDARD METAL FRAMING DETAILS**
A-18 Scale: N.T.S.



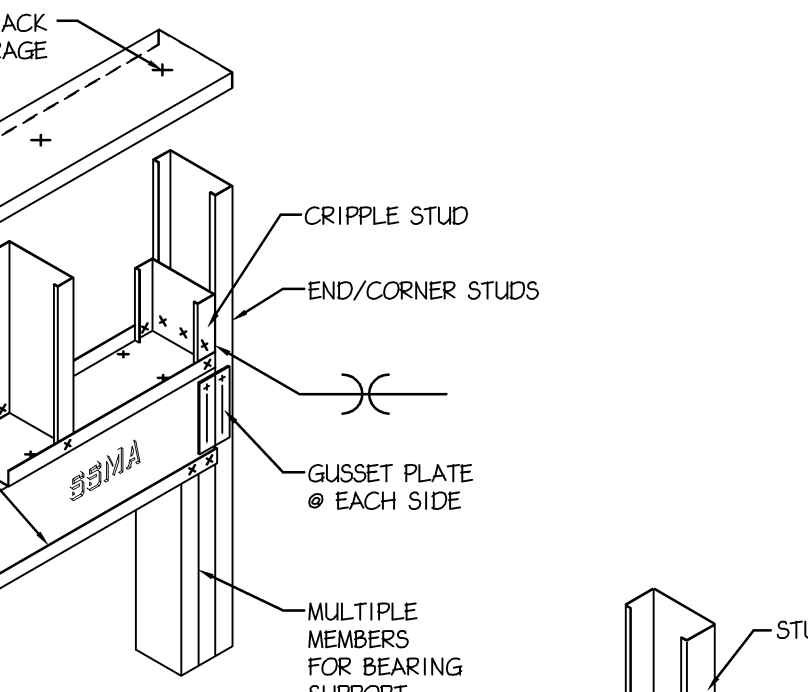
8 **WINDOW JAMB DETAIL**
A-18 Scale: 6\"/>



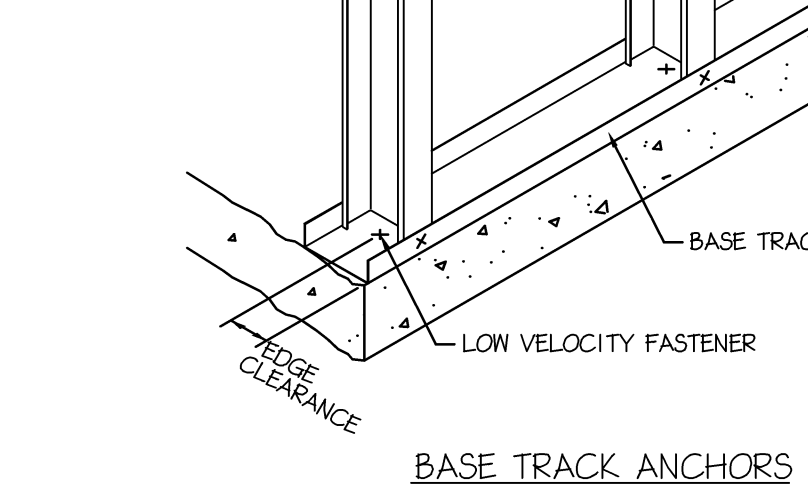
9 **OVERHANG DETAIL**
A-18 Scale: 6\"/>



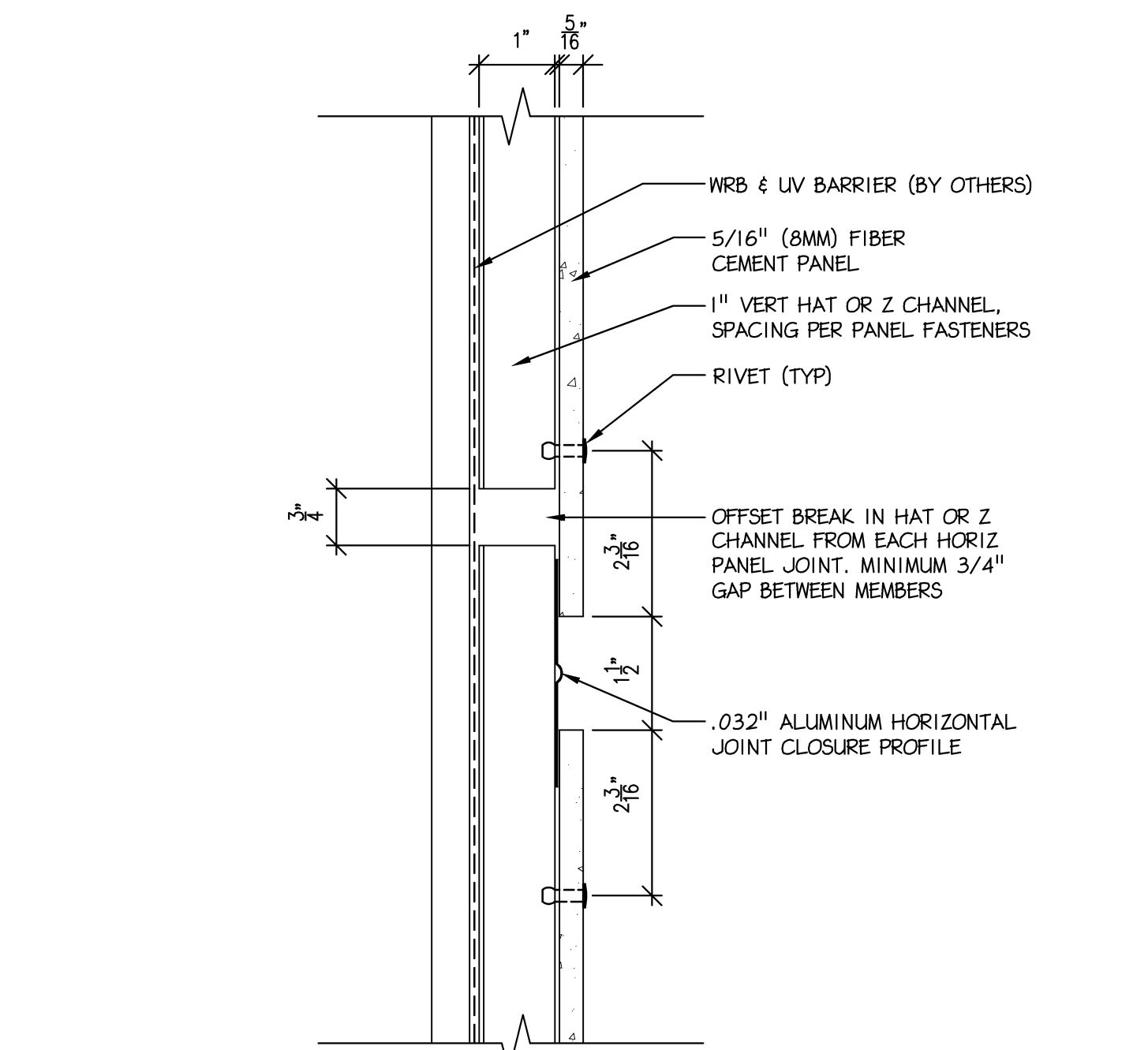
BACKING @ WALL HUNG (HEAVILY LOADED)



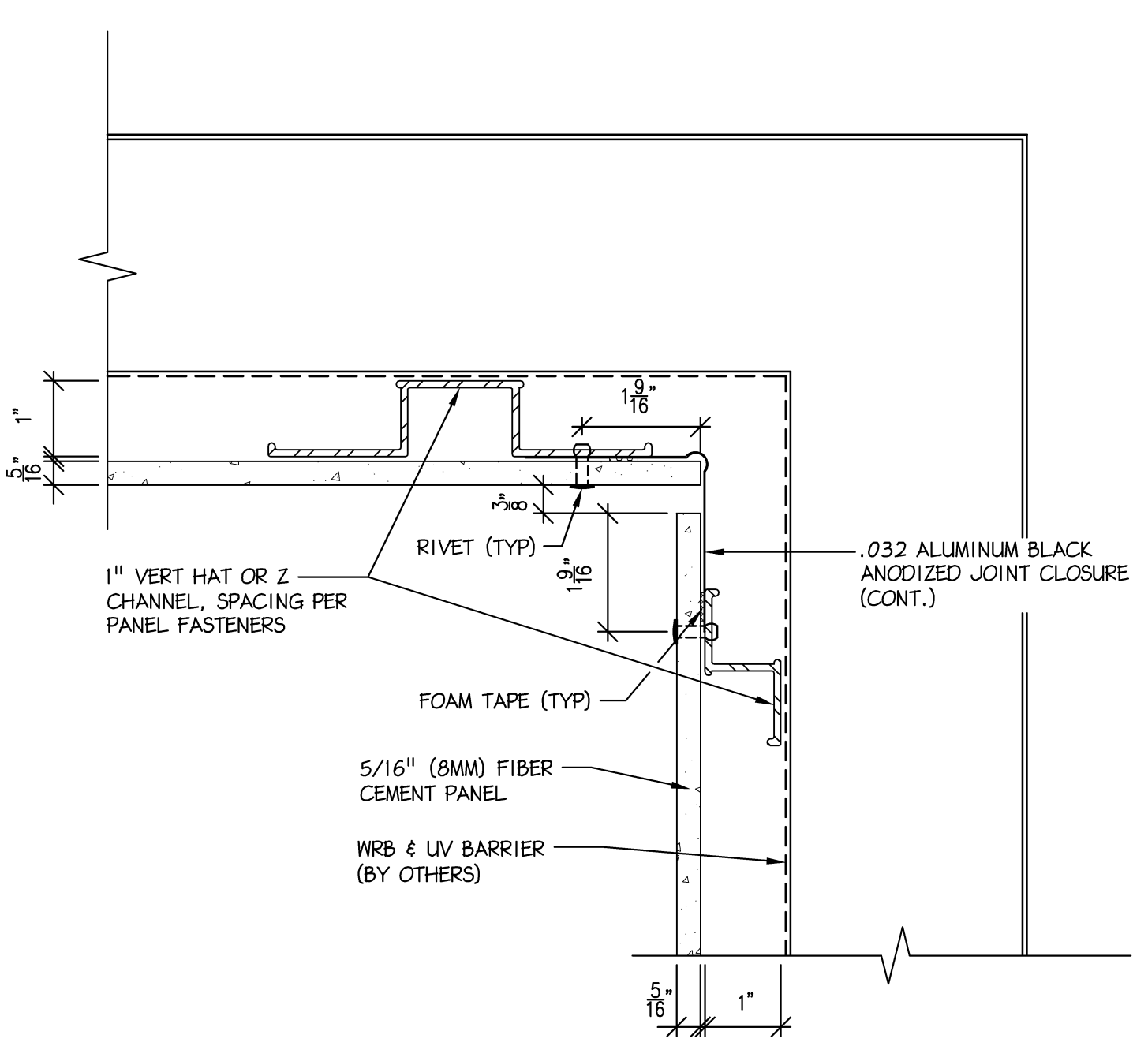
HEADER FRAMING



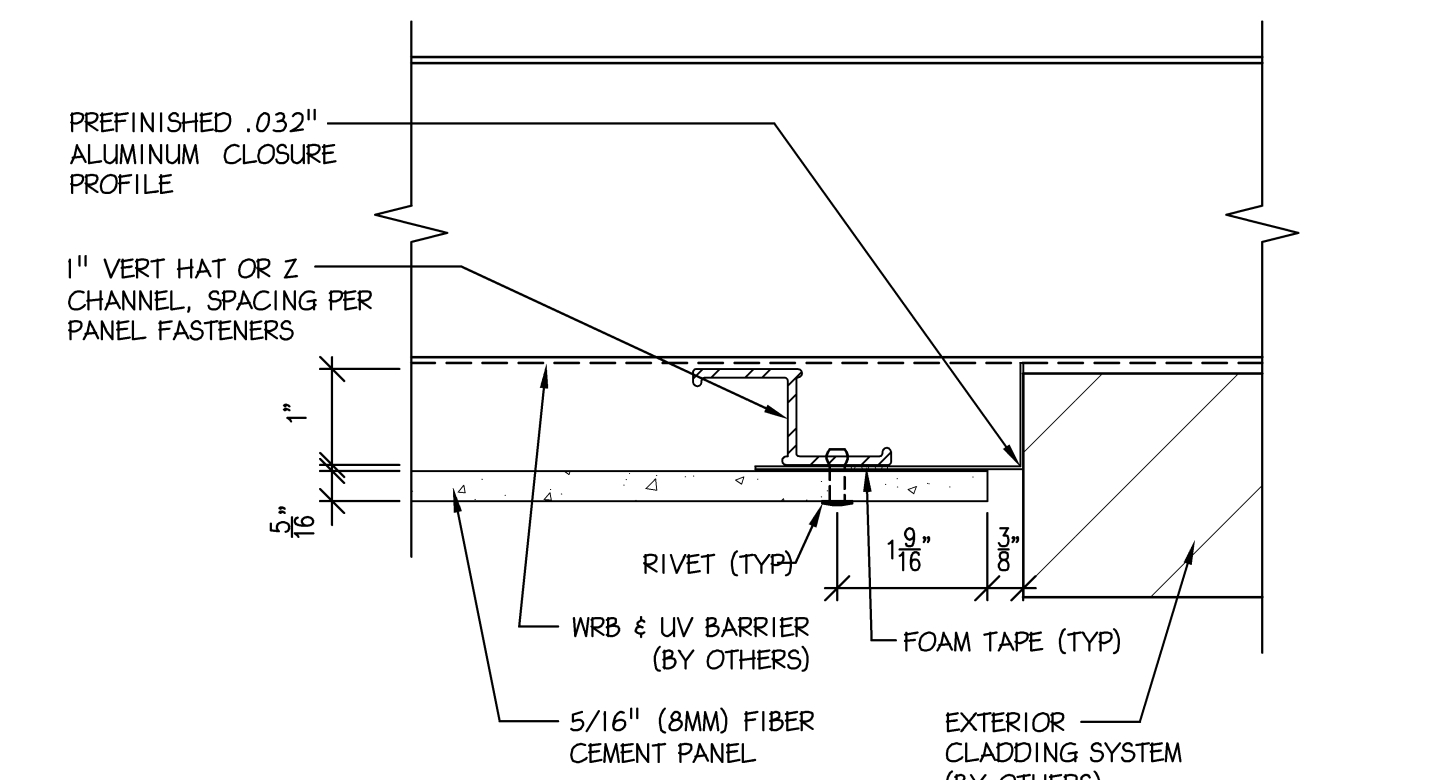
BASE TRACK ANCHORS



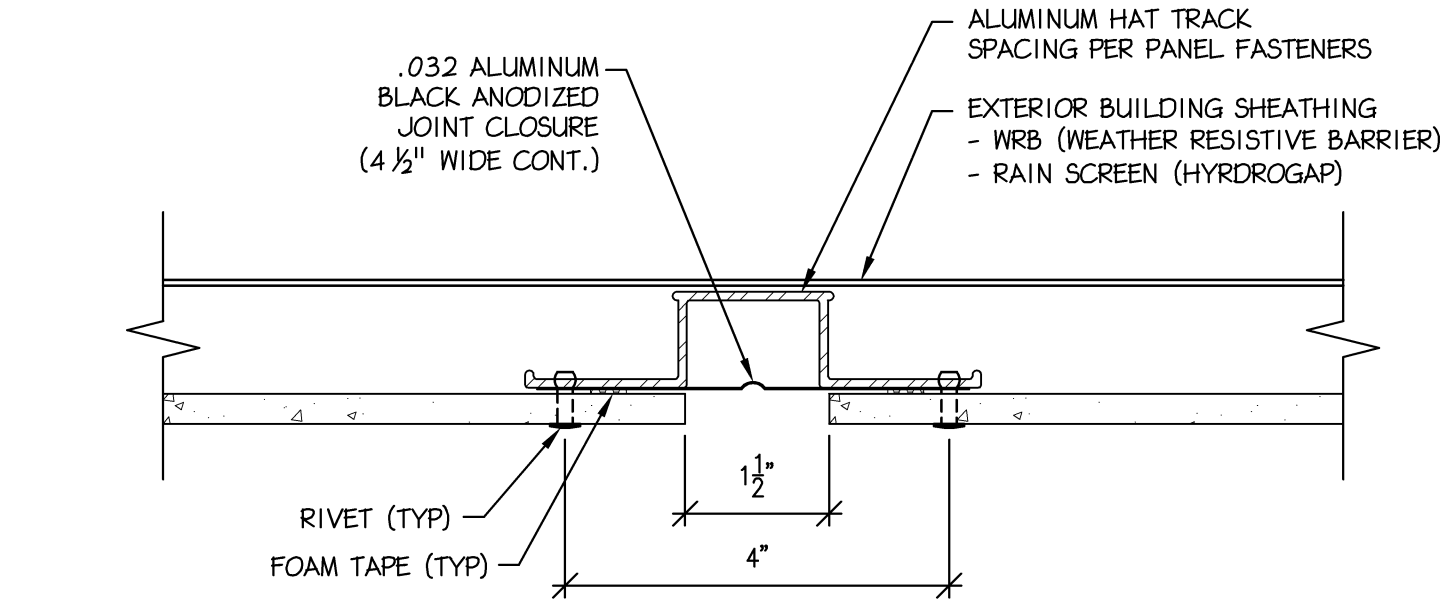
2 **VERTICAL SPLICE DETAIL**
A-18 Scale: 6\"/>



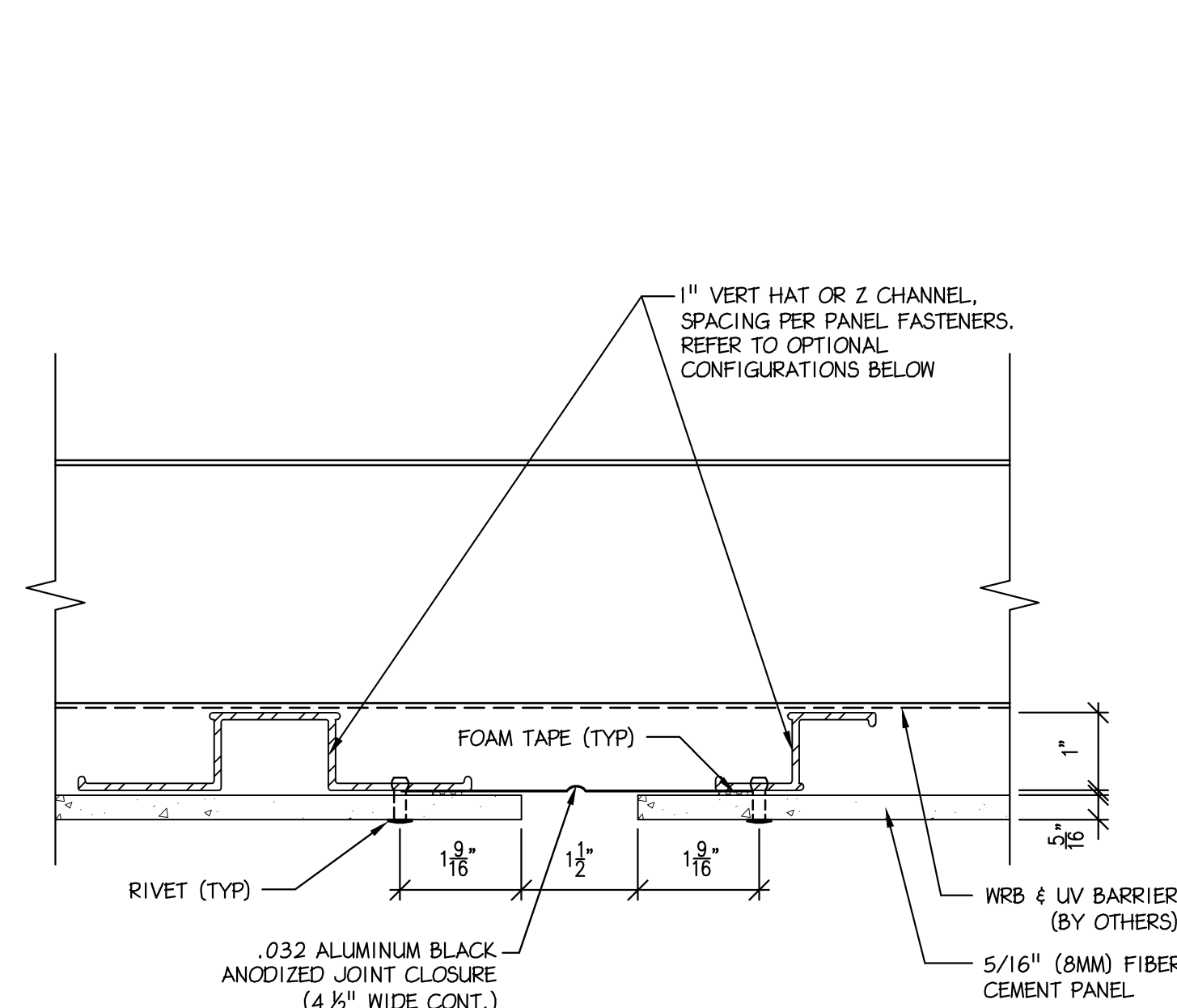
5 **INSIDE CORNER DETAIL**
A-18 Scale: 6\"/>



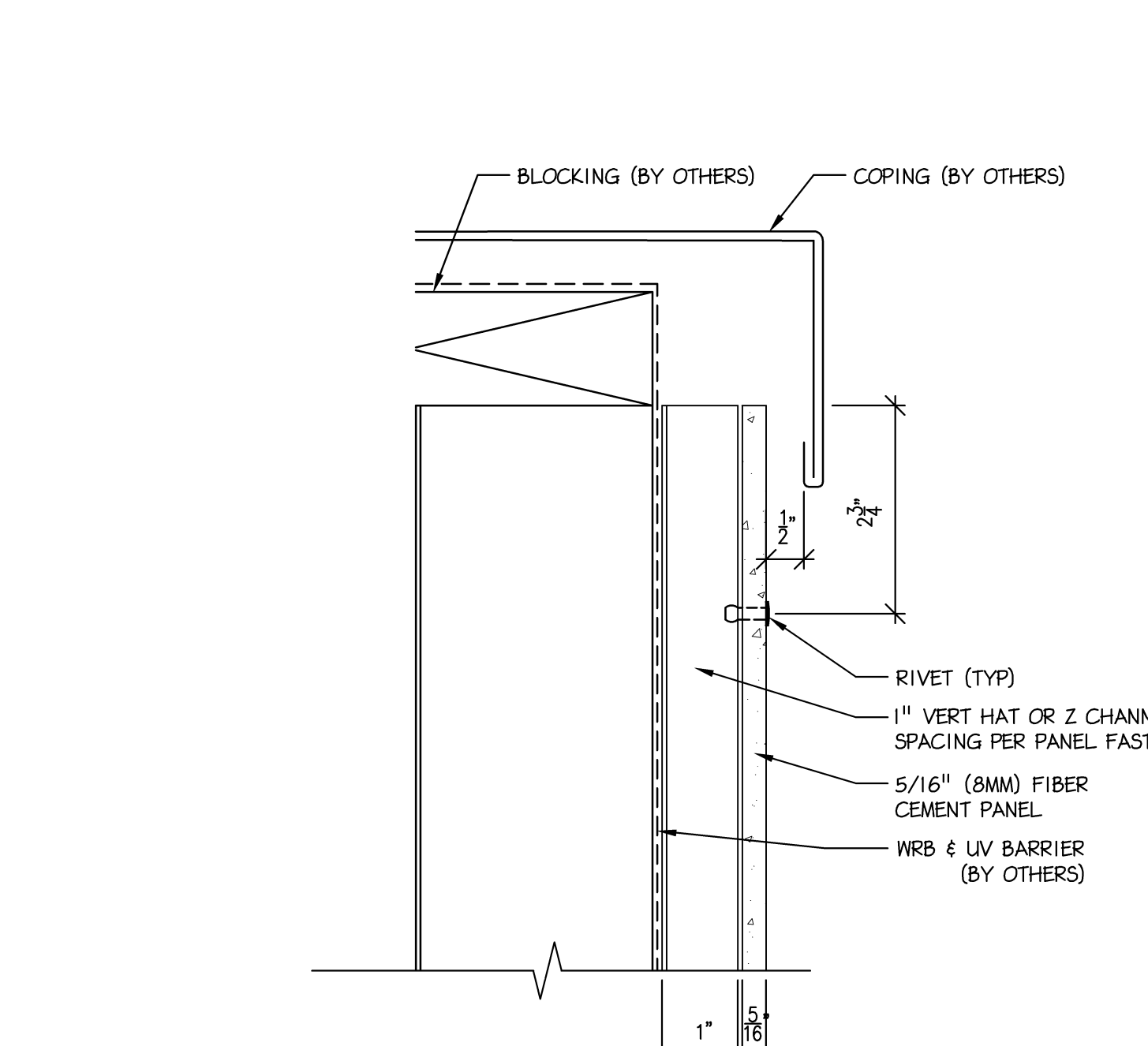
10 **JAMB DETAIL**
A-18 Scale: 6\"/>



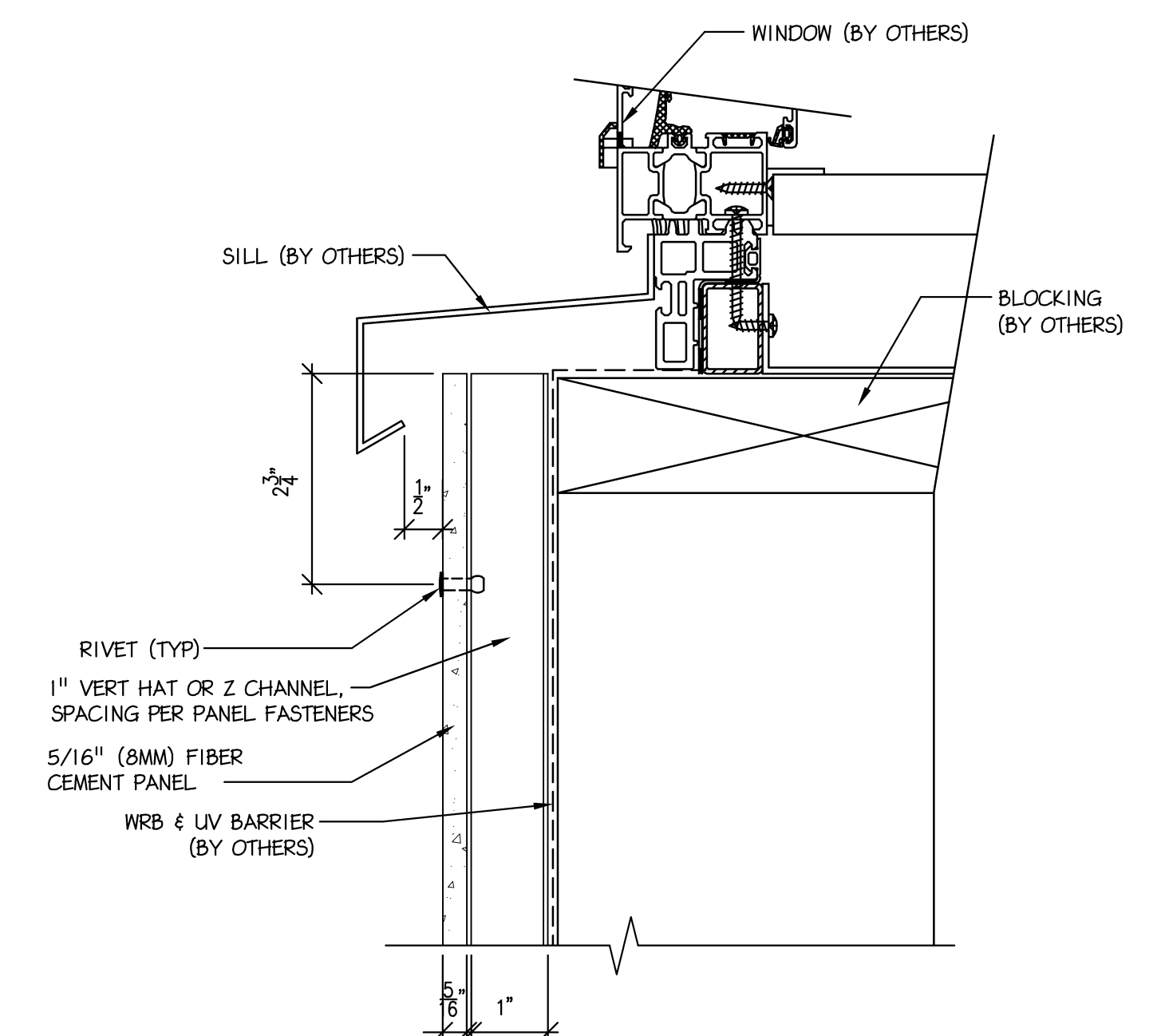
11 **PANEL STD. JOINT DETAIL**
A-18 Scale: 6\"/>



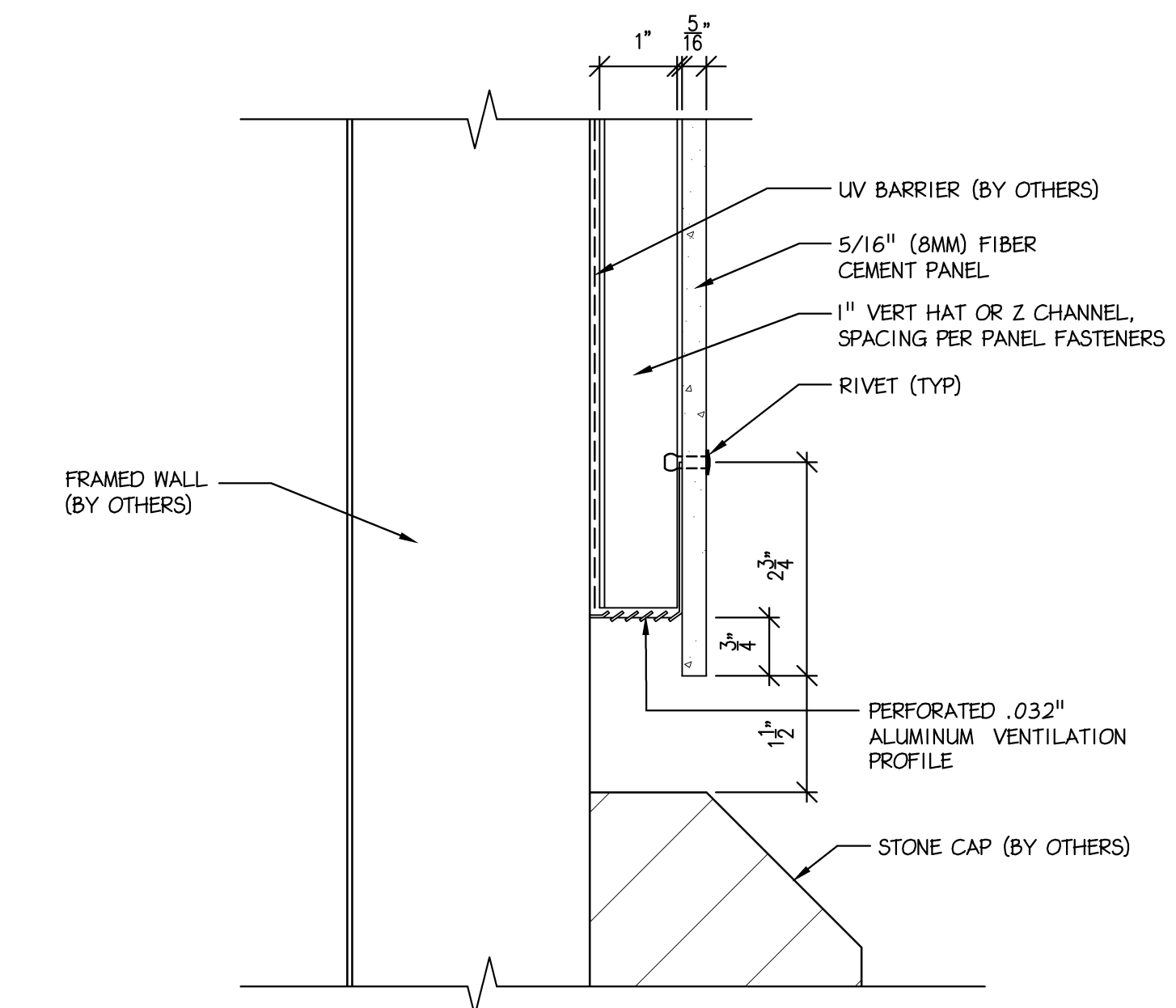
3 **SUPPORT ATTACHMENT DETAIL**
A-18 Scale: 6\"/>



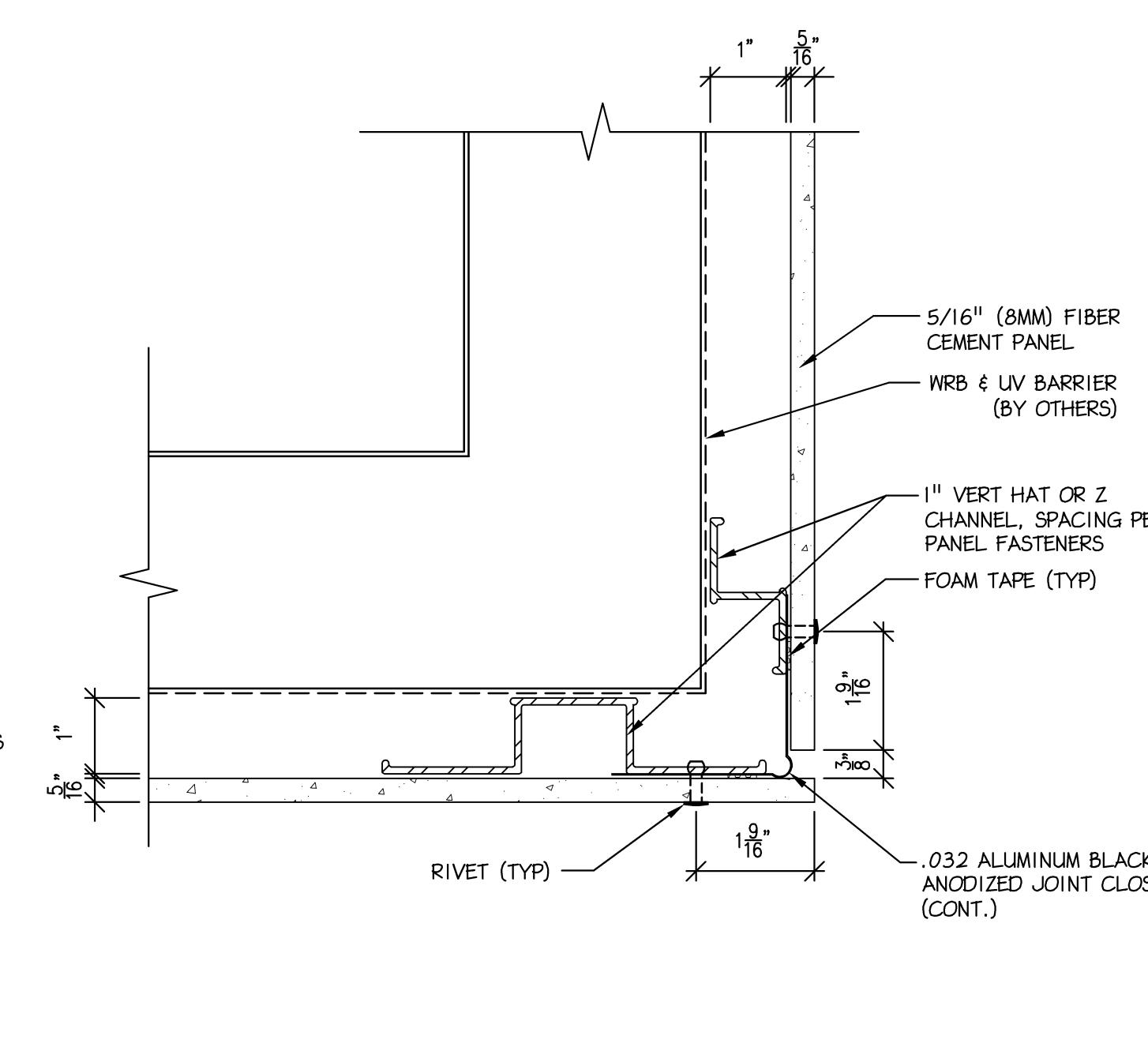
6 **TERMINATION @ COPING DETAIL**
A-18 Scale: 6\"/>



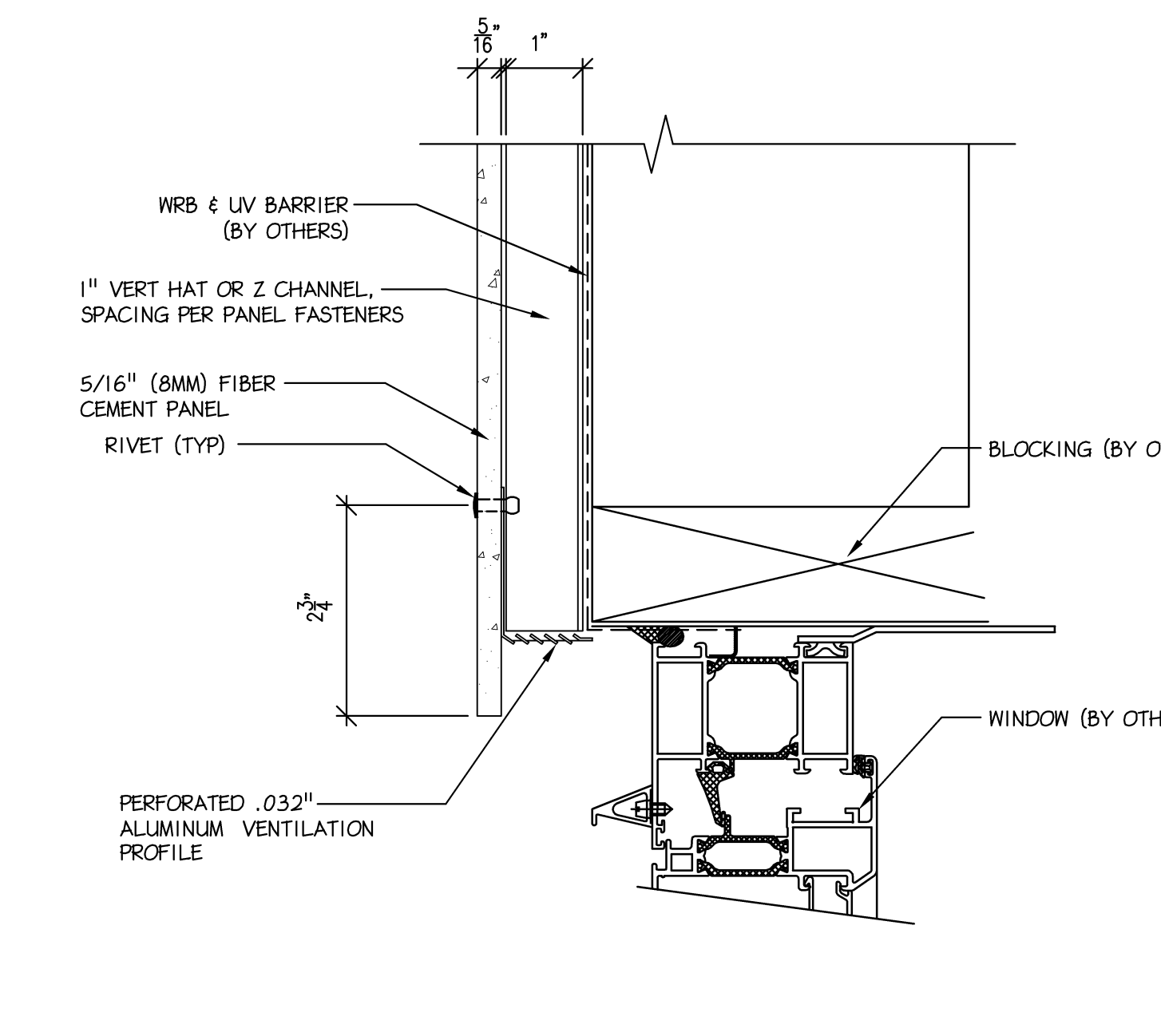
12 **WINDOW SILL DETAIL**
A-18 Scale: 6\"/>



4 **BASE TERMINATION DETAIL**
A-18 Scale: 6\"/>



7 **OUTSIDE CORNER DETAIL**
A-18 Scale: 6\"/>



13 **WINDOW HEAD DETAIL**
A-18 Scale: 6\"/>

Robin J. Kohn, AIA
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License No. RA-11327-X

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CURRENT DATE
May 15, 2015

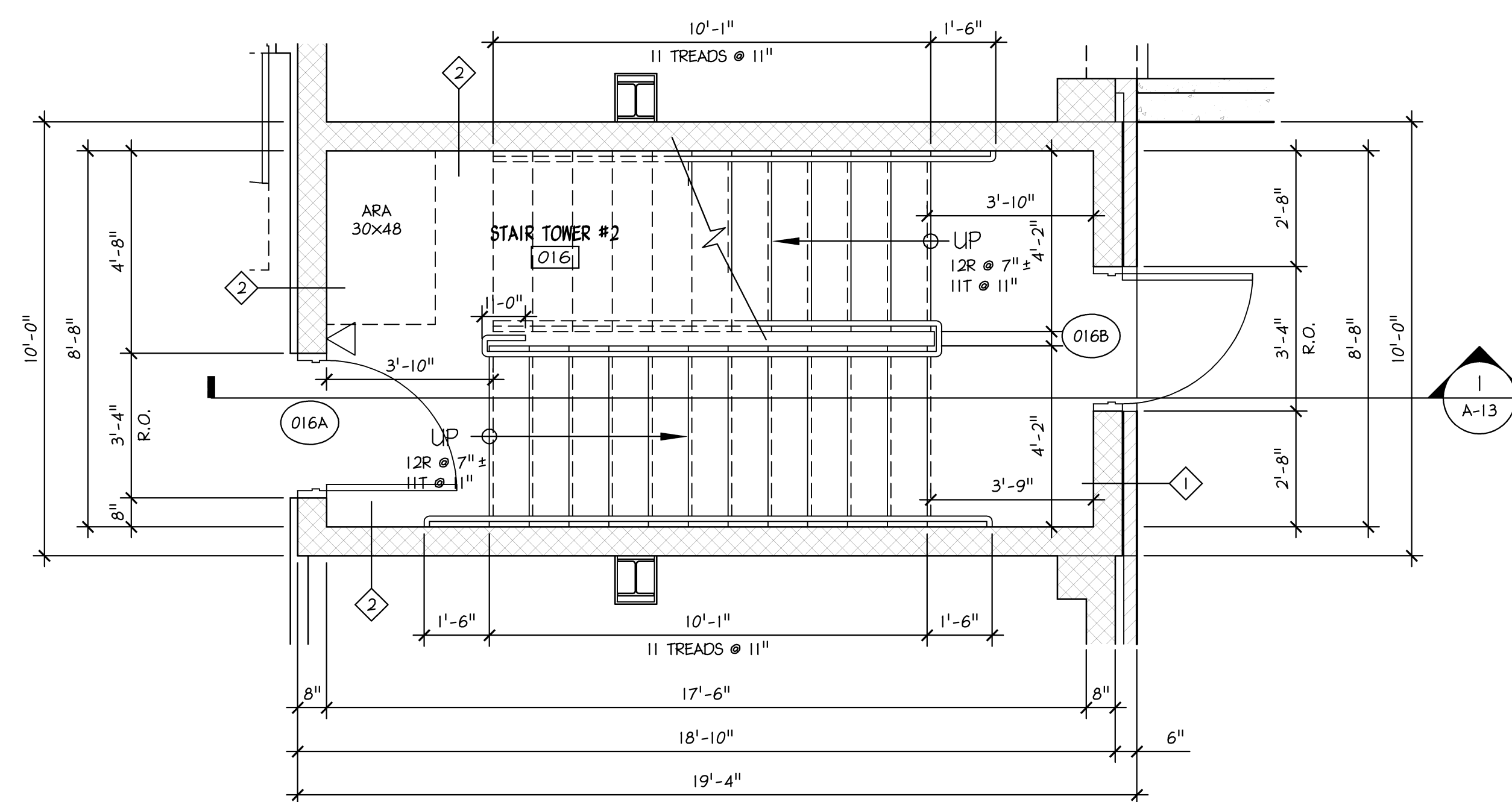
SANSOM ST APARTMENTS
121-33 SOUTH 43RD STREET
PHILADELPHIA, PA 19104

SHEET TITLE
METAL FRAMING &
FIBER CEMENT PANEL
DETAILS

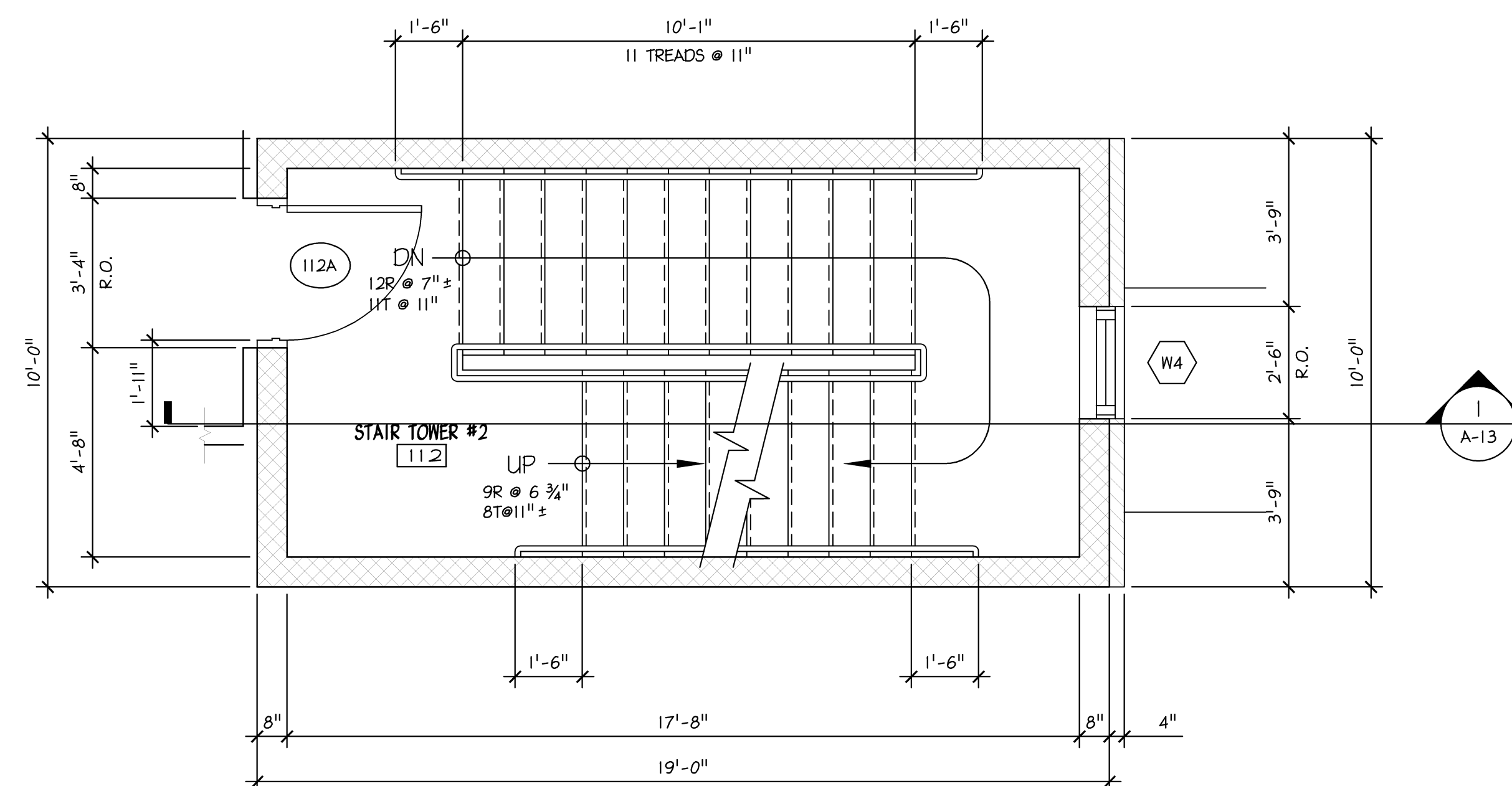
SHEET NUMBER

A-18
REV
1

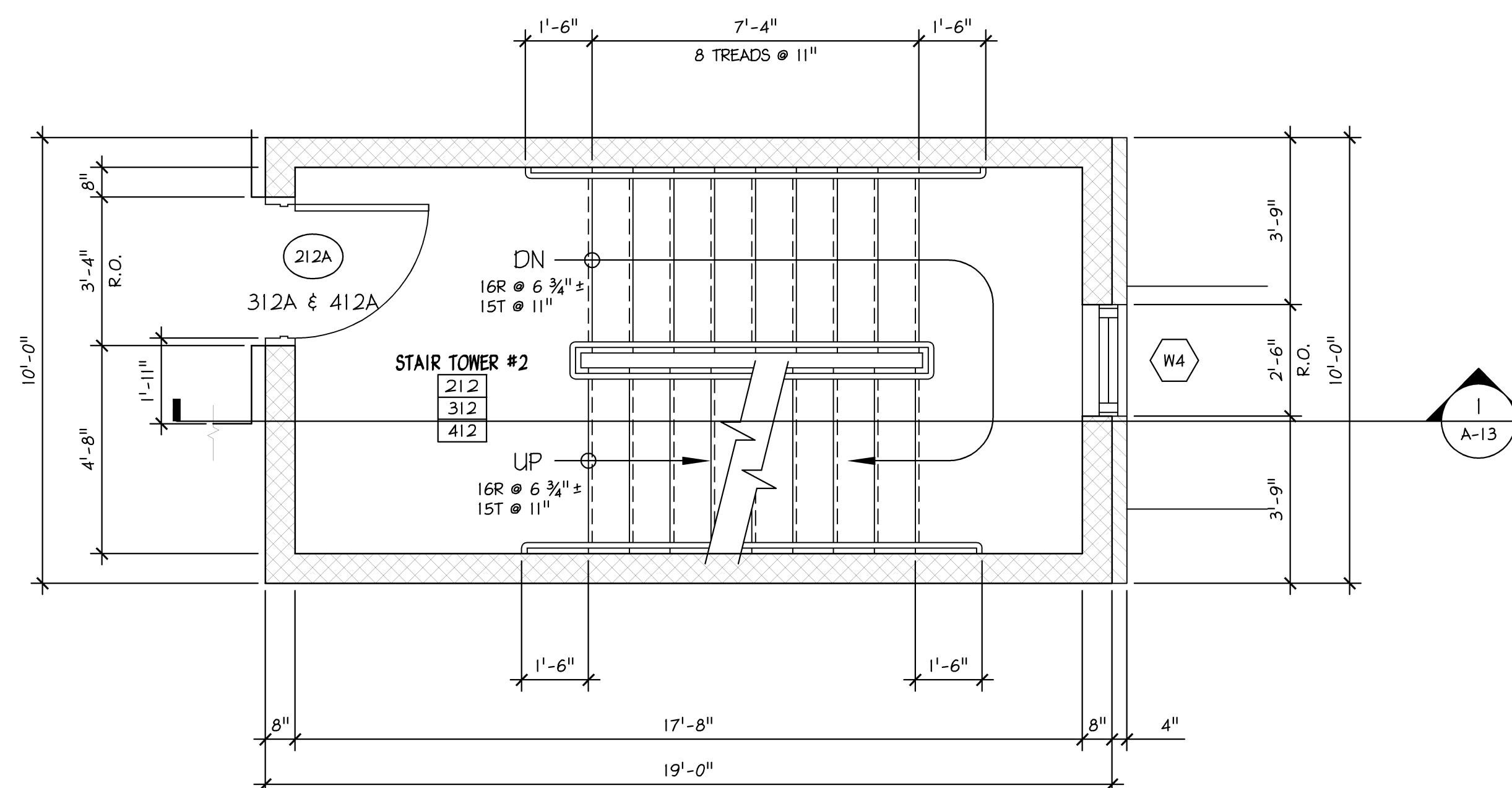
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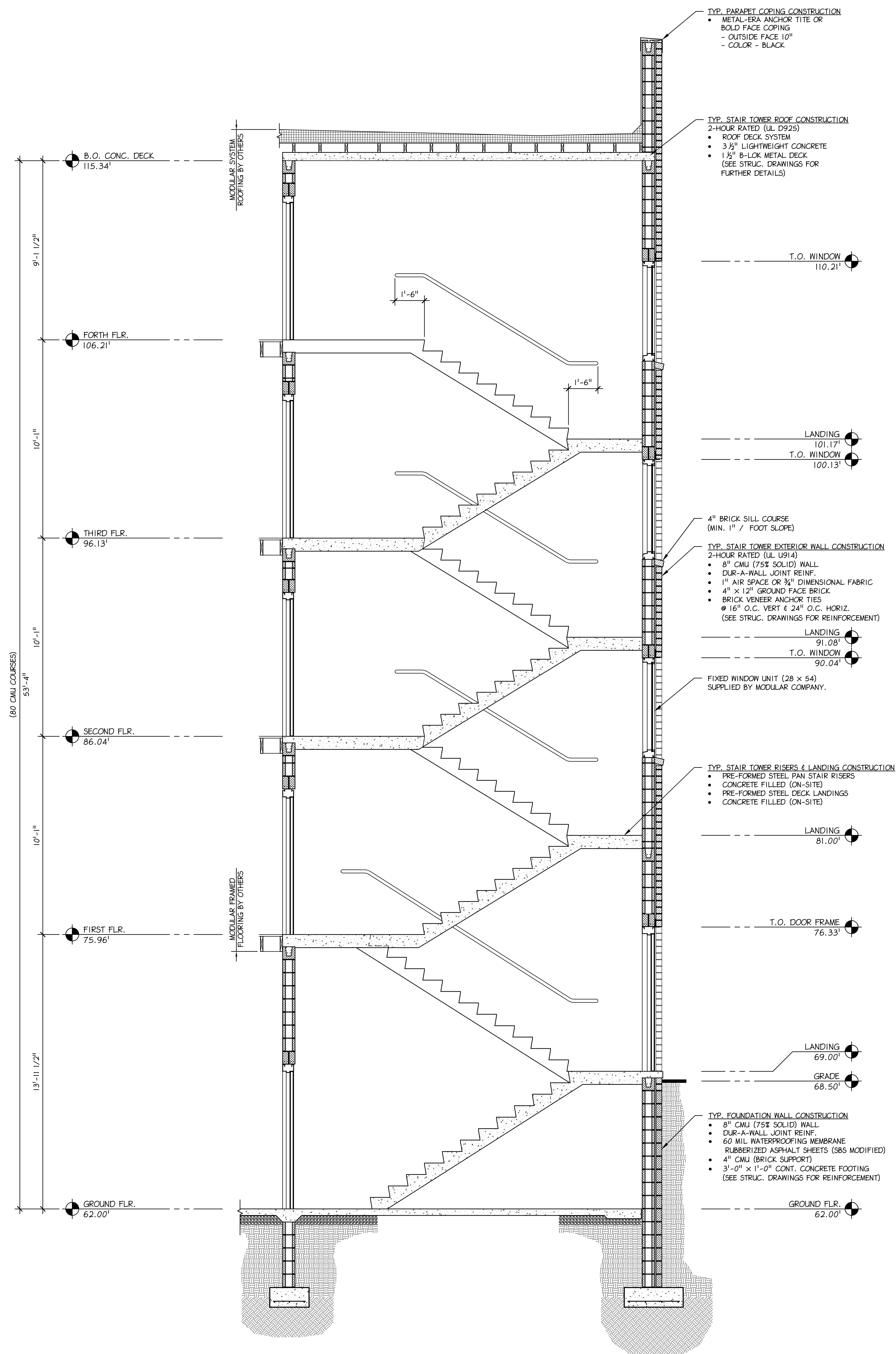
2 STAIR TOWER #2 GROUND FLOOR PLAN
A-13 Scale: 3/8" = 1' - 0"



3 STAIR TOWER #2 FIRST FLOOR PLAN
 A-13 Scale: $\frac{3}{8}'' = 1' - 0''$



4 STAIR TOWER #2 SECOND - FOURTH FLOOR PLAN
 A-13 Scale: 3/8" = 1' - 0"



1 STAIR TOWER #2 SECTION
A-13 Scale: 3/8" = 1' - 0"

TYP. ELEVATOR DOOR CONSTRUCTION
2-HOUR RATED (UL U914)
• 8" CONCRETE LINTEL
• ELEVATOR HEADER / JAMBS
• ELEVATOR DOOR
• ELEVATOR DOOR SILL
• BOND BEAM BLOCK
(SEE STRUC. DRAWINGS FOR REINF.)

SEE STRUCTURAL DRAWINGS FOR
STEEL FRAMING AND CONCRETE
PLANK LAYOUT

ELEVATOR LADDER
PIT ACCESS

TYP. ELEVATOR ROOF CONSTRUCTION
2-HOUR RATED (UL D925)
• ROOF DECK SYSTEM
• 3 1/2" LIGHTWEIGHT CONCRETE
• 1 1/2" B-LOK METAL DECK
(SEE STRUC. DRAWINGS FOR
FURTHER DETAILS)

T.O. ELEVATOR
120.67'
B.O. STEEL
119.38'

FORTH FLR.
106.21'

THIRD FLR.
96.13'

SECOND FLR.
86.04'

FIRST FLR.
75.96'

GROUND FLR.
62.00'

ELEVATOR PIT
57.00'

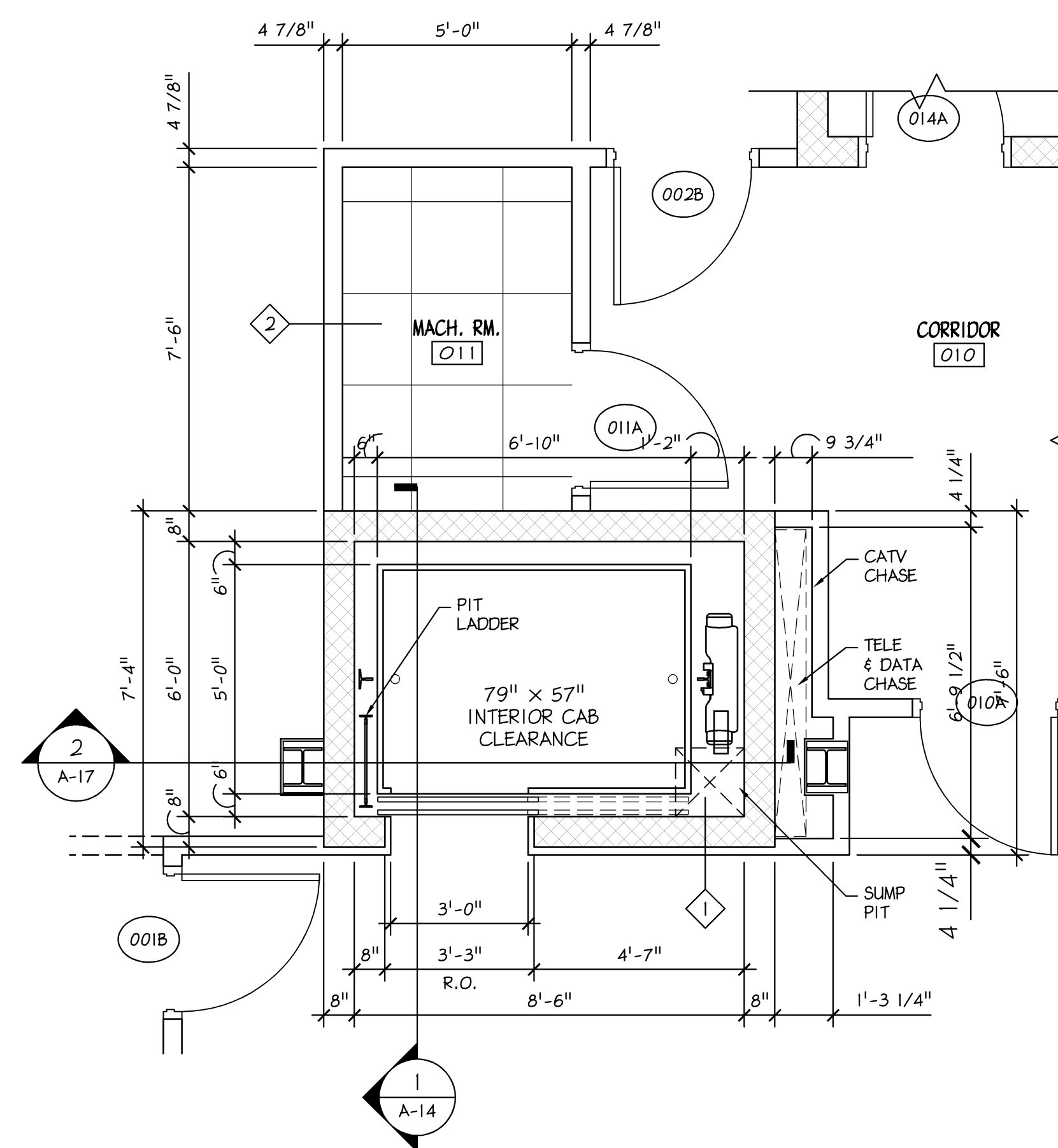
TYP. ELEVATOR WALL CONSTRUCTION
2-HOUR RATED (UL U914)
• 8" CMU (75% SOLID) WALL
• DUE-A-WALL JOINT REINF.
(SEE STRUC. DRAWINGS FOR
REINFORCEMENT)

NOTE:
SEE ELEVATOR SHOP DRAWINGS FOR
COMPLETE INFORMATION OF ELEVATOR
ASSEMBLY.

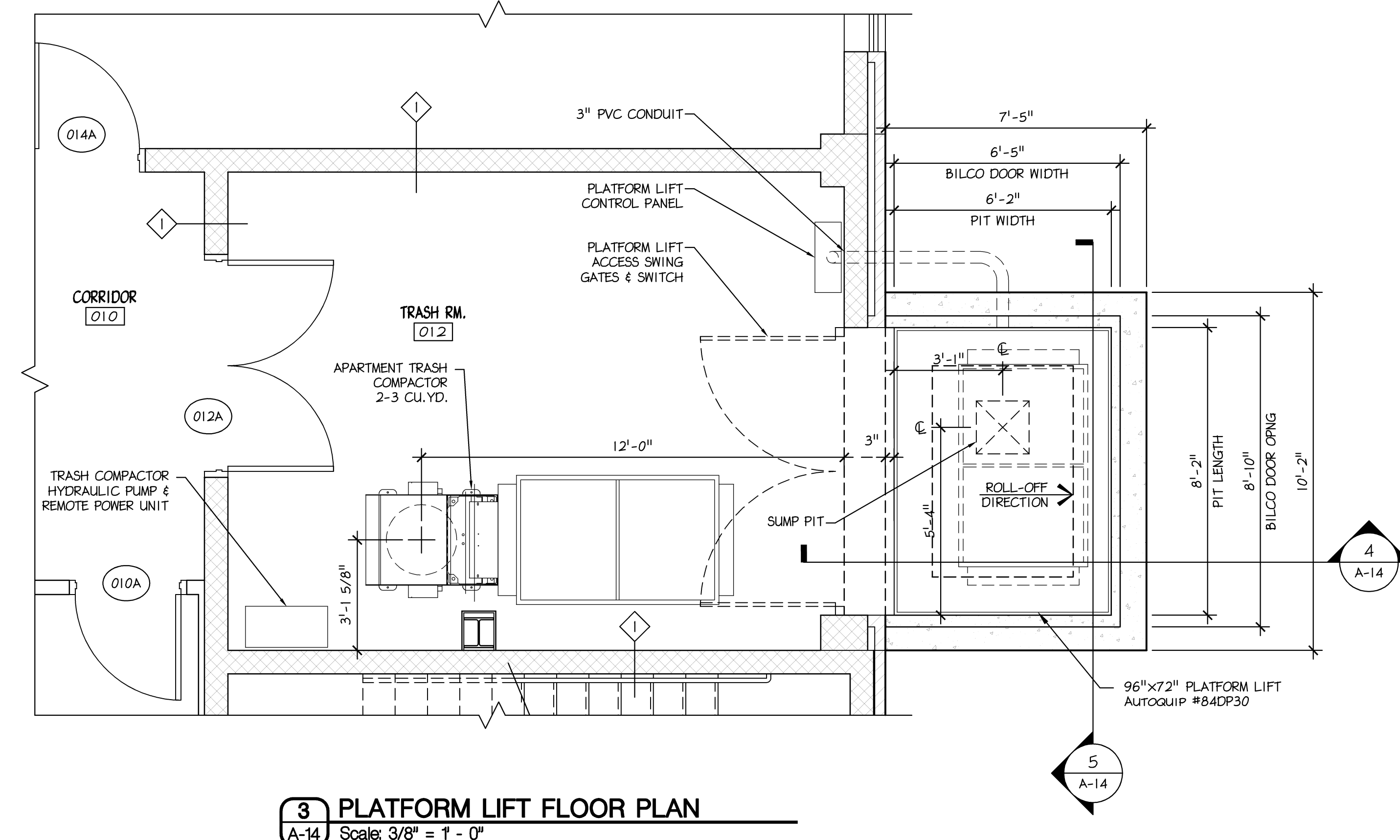
TYP. ELEVATOR PIT WALL CONSTRUCTION
• 12" POURED CONCRETE
• 60 MIL. WATERPROOFING MEMBRANE
RUBBERIZED ASPHALT SHEETS
(SBS MODIFIED)
• 16" CONT. CONCRETE FOOTING
(SEE STRUC. DRAWINGS FOR REINF.)

18"x18" x 30" (DP.) SUMP PIT
(SEE PLAN FOR LOCATION)

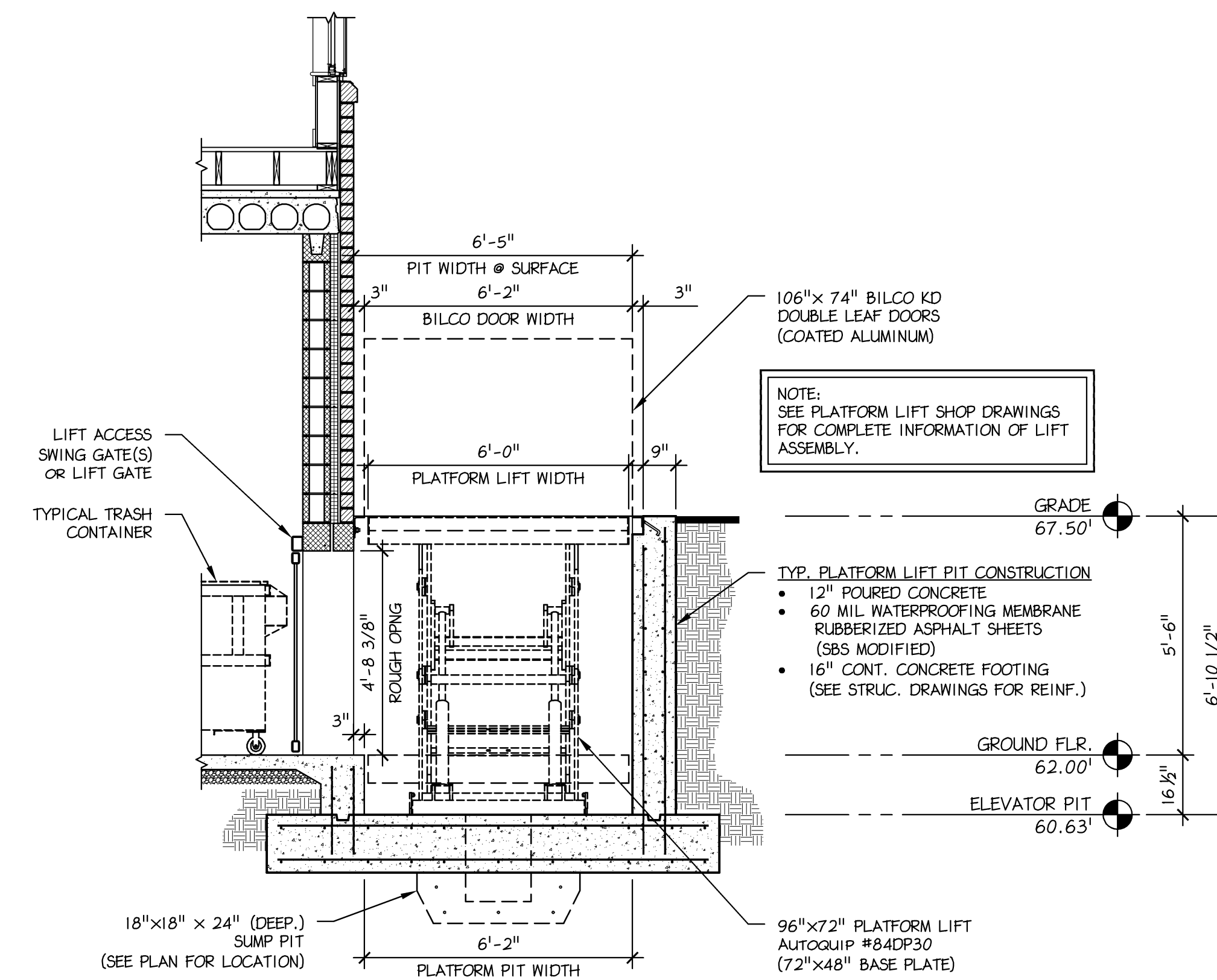
1 ELEVATOR SECTION
A-14 Scale: 3/8" = 1' - 0"



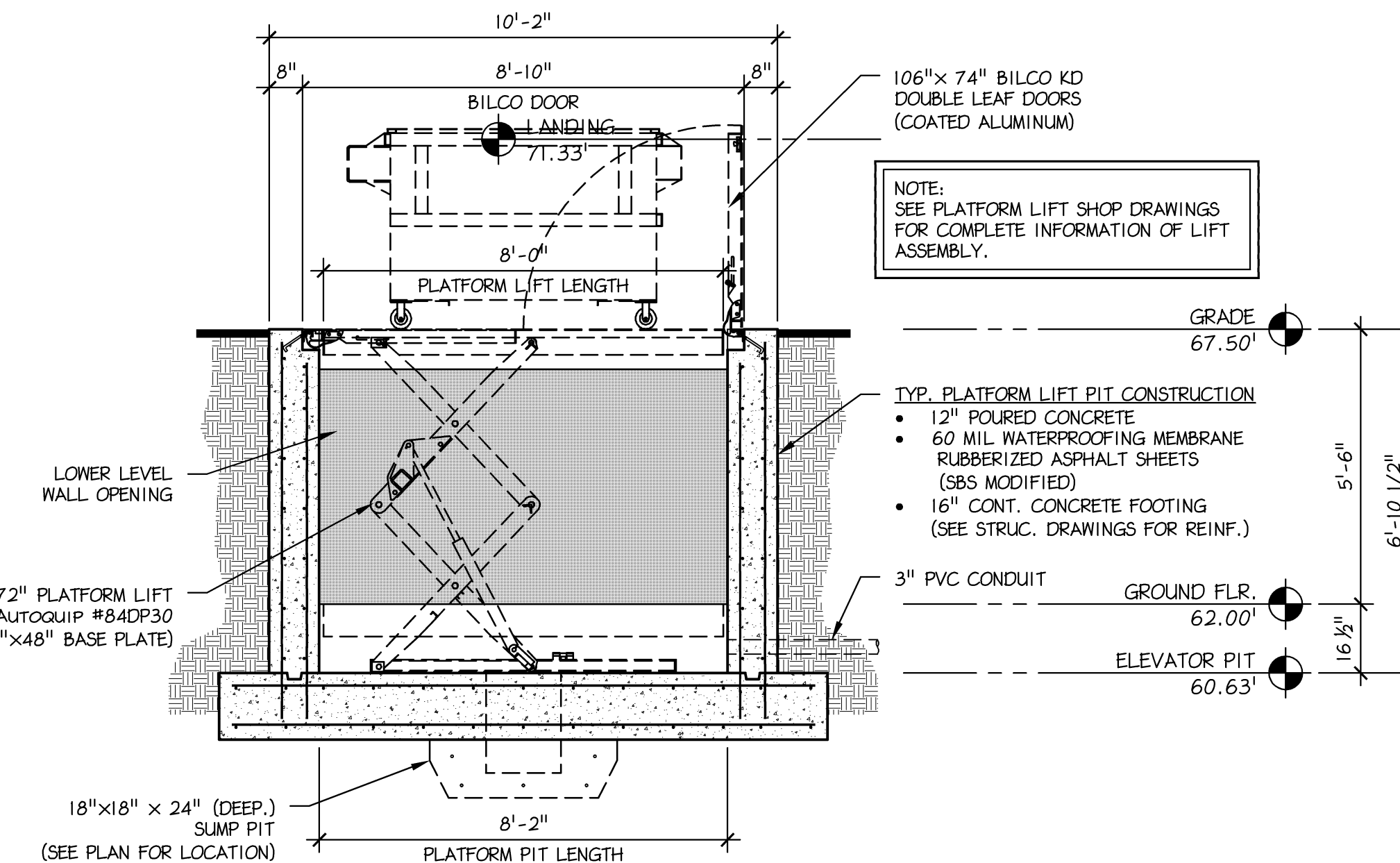
2 ELEVATOR GROUND FLOOR PLAN
A-14 Scale: 3/8" = 1' - 0"



3 PLATFORM LIFT FLOOR PLAN
A-14 Scale: 3/8" = 1' - 0"



4 TRASH LIFT SECTION
A-14 Scale: 3/8" = 1' - 0"



5 TRASH LIFT SECTION
A-14 Scale: 3/8" = 1' - 0"

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PROJECT NO.		DRAWN BY	CHK'D BY
B3907		EMH	EMH
NO.	DATE	BY	ISSUE
1	05-15-2015	EMH	ISSUED FOR PERMIT REVIEW
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APPROVED BY			CURRENT DATE
Robin J. Kohn, AIA			May 15, 2015

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PHILADELPHIA, PA 19104

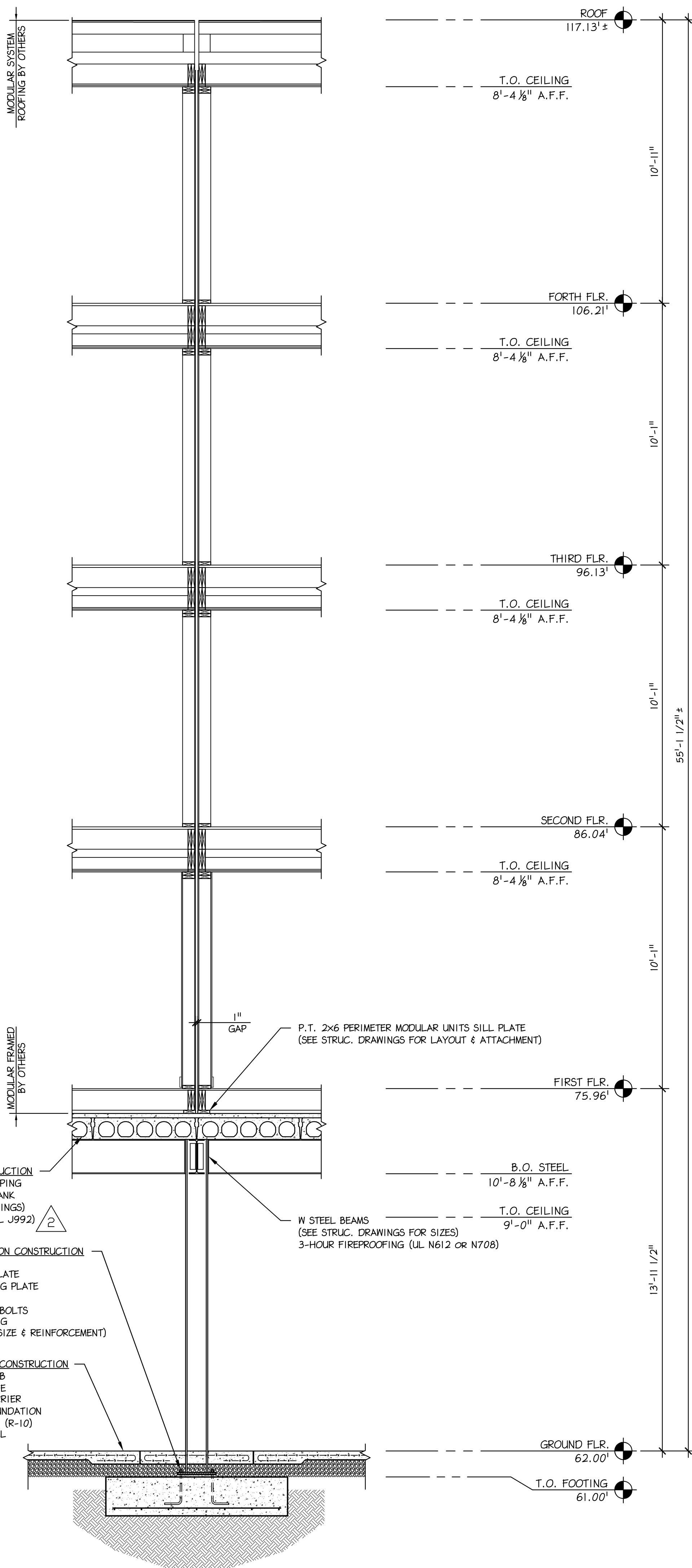
SHEET TITLE

**ELEVATOR SECTIONS
& ENLARGED PLANS**

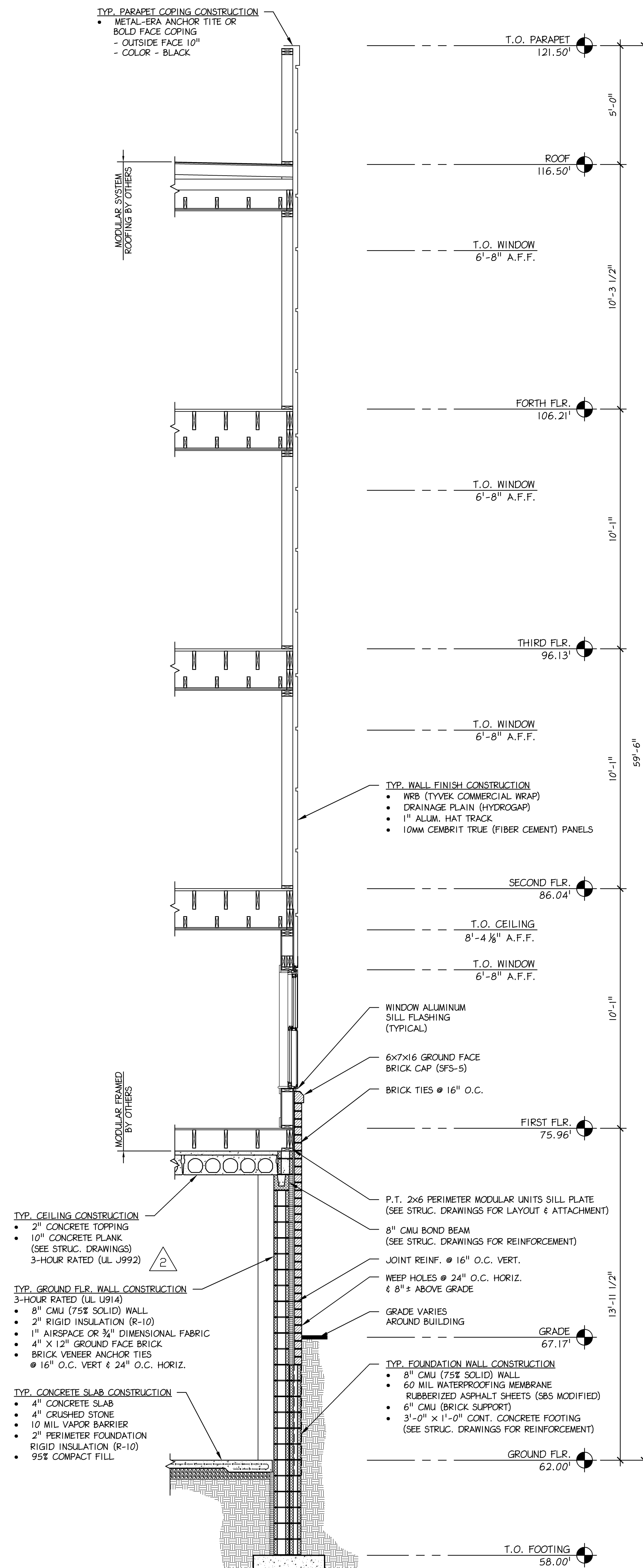
SHEET NUMBER

A-14

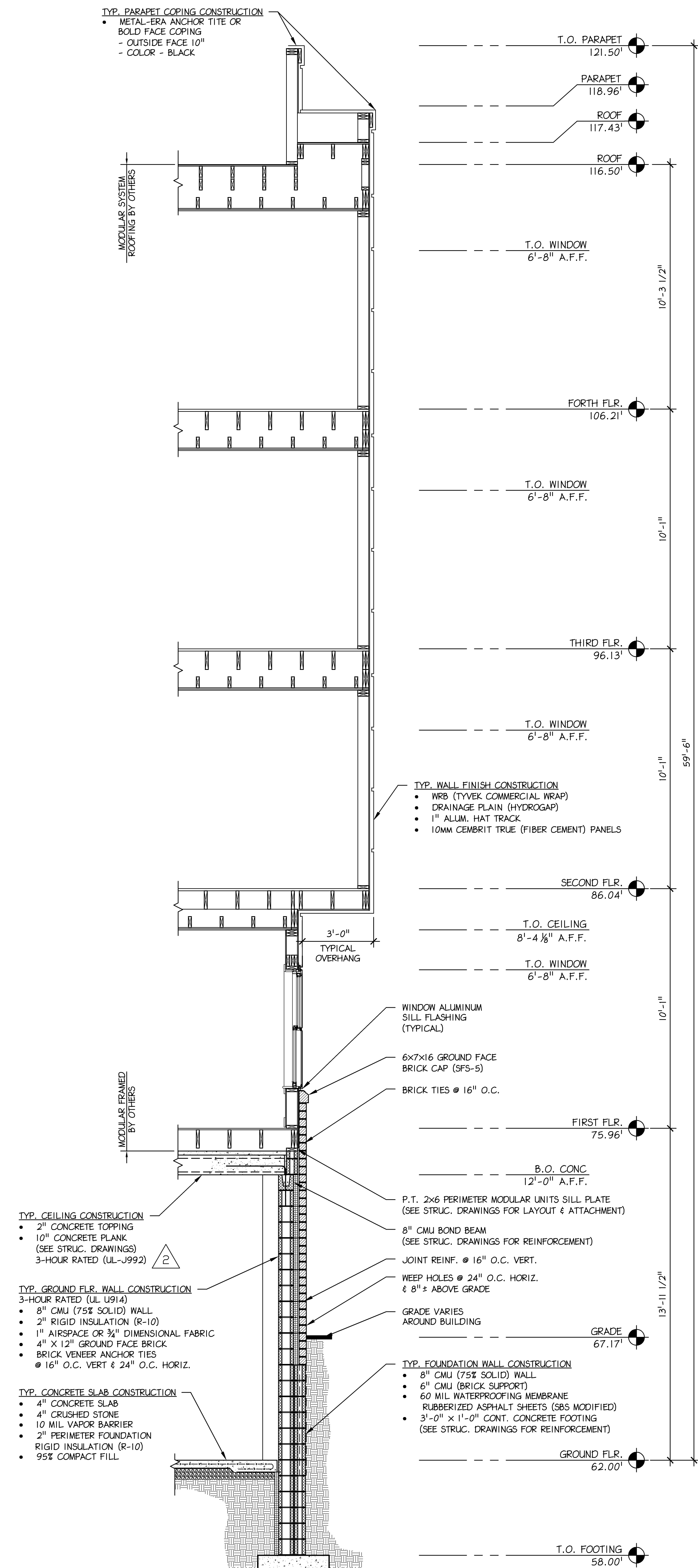
REV
1



1 BUILDING SECTION
A-15 Scale: 3/8" = 1' - 0" © INT. BUILDING STEEL



2 BUILDING SECTION
A-15 Scale: 3/8" = 1' - 0" © APARTMENTS



3 BUILDING SECTION
A-15 Scale: 3/8" = 1' - 0" © APARTMENT OVERHANG



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PROJECT NO.		DRAWN BY	CHK'D BY
B3907		EMH	EMH
NO.	DATE	BY	ISSUE
1	05-15-2015	EMH	ISSUED FOR PERMIT REVIEW
2	11-04-2015	EMH	REVISED UL DESIGN DETAILS RE-ISSUED FOR PERMIT
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APPROVED BY **CURRENT DATE**
Robin J. Kohn, AIA November 04, 2015

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PHILADELPHIA, PA 19104

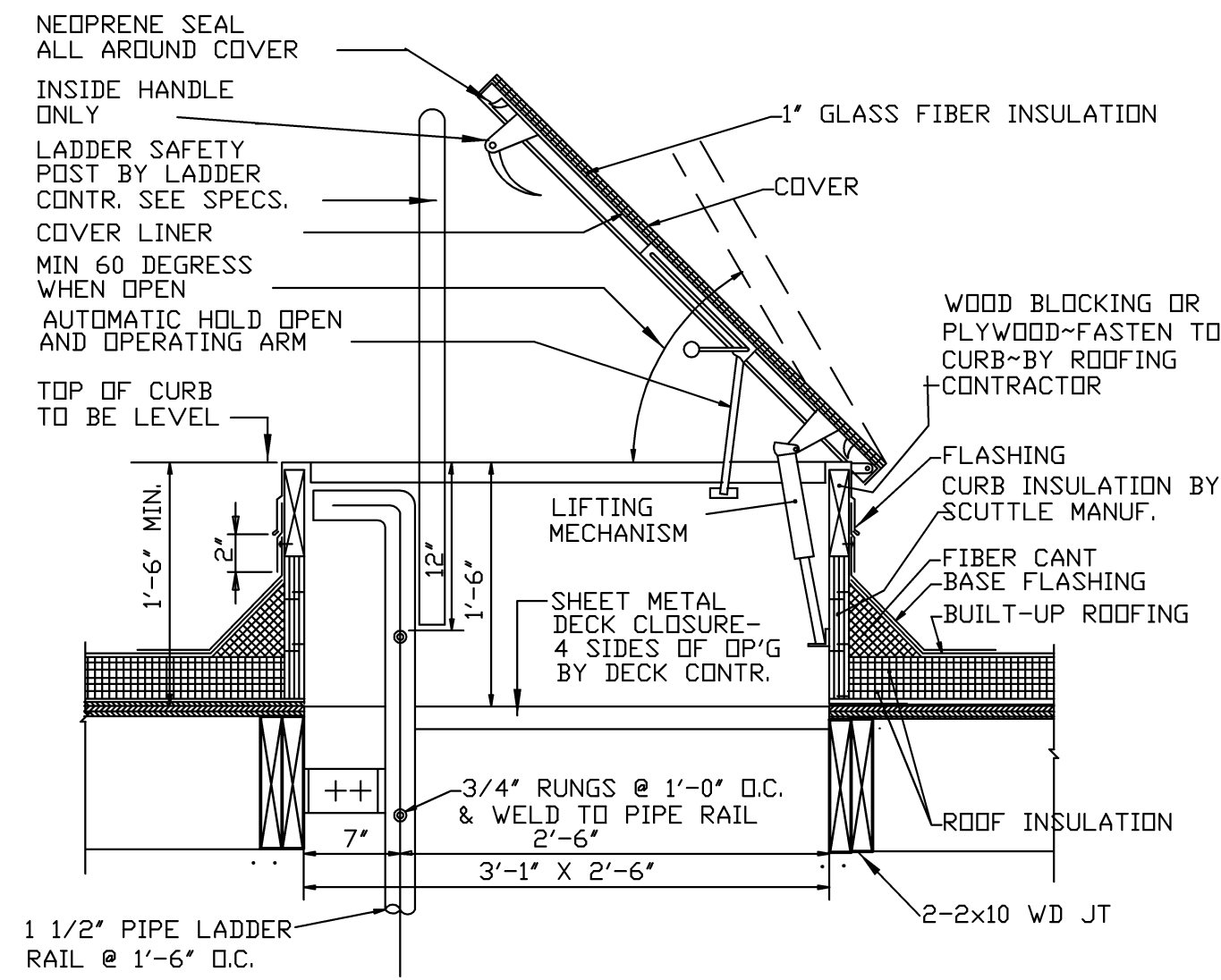
SHEET TITLE

WALL SECTIONS

SHEET NUMBER

A-15

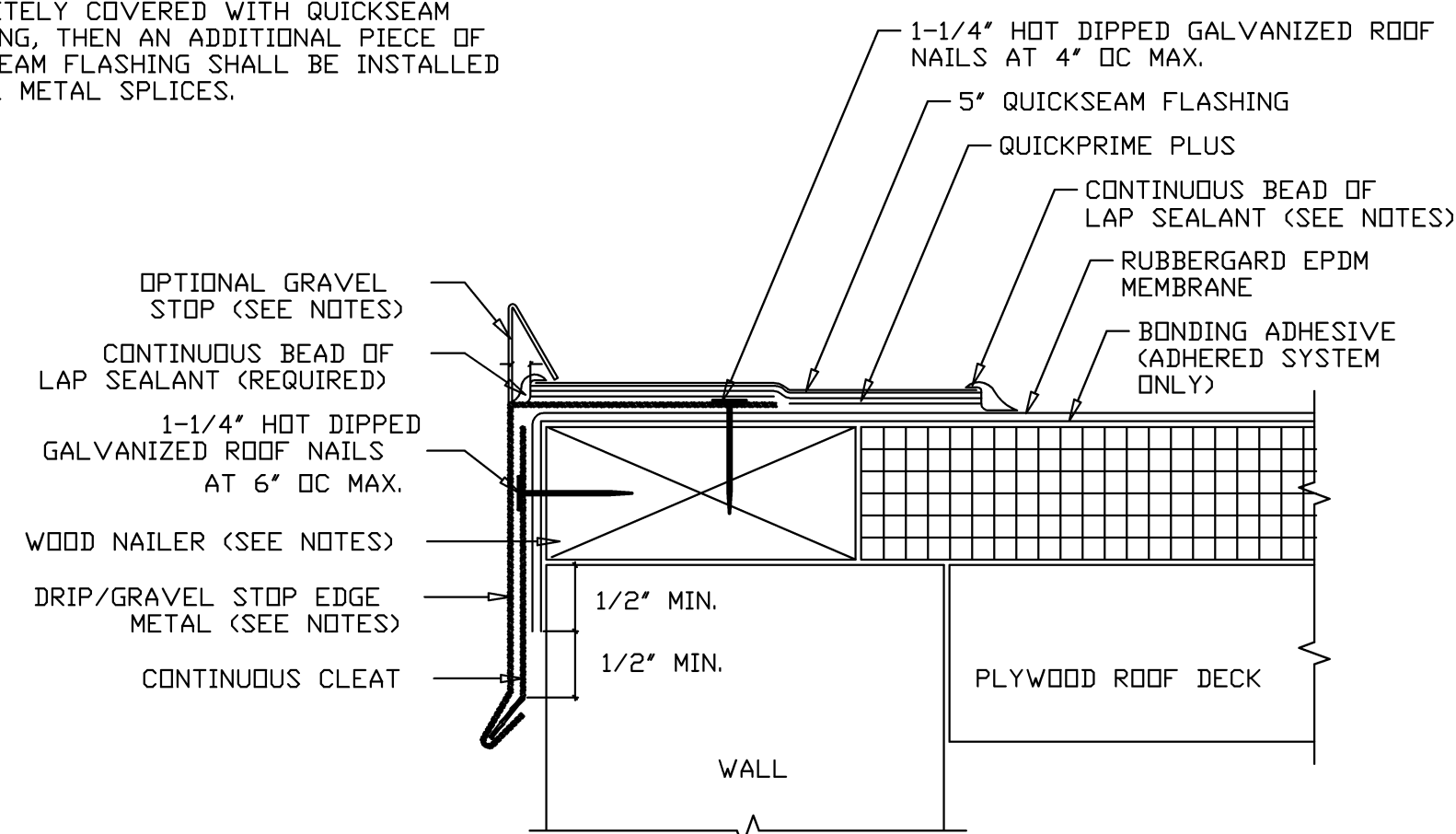
REV
2



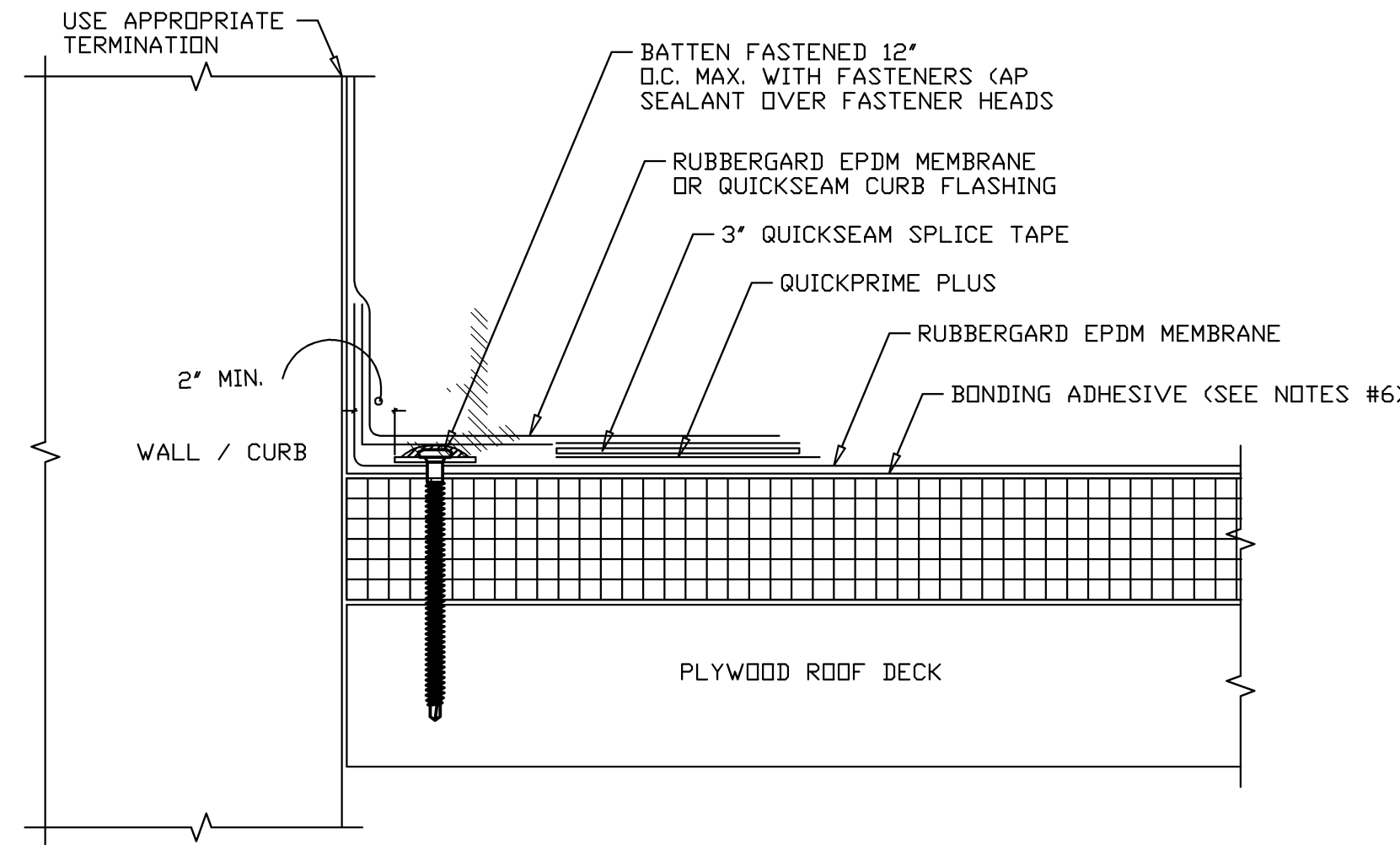
1 ROOF HATCH DETAIL
A-19 Scale: 1-1/2" = 1'- 0"

NOTES:

1. INSTALL METAL WORK TO MANUFACTURER'S REQUIREMENTS OR SMACNA RECOMMENDATIONS. IF SHOP FABRICATED METAL EDGE IS USED IT MUST MEET ANSI/SPRI ES-1 OR A FM STANDARD. LAP SEALANT IS REQUIRED ALONG ENTIRE UPSLOPE EDGE OF QUICKSEAM FLASHING WHEN ROOF SLOPE IS 1' PER FOOT OR GREATER.
2. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
3. FLANGE OF METAL MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" FROM EDGE OF WOOD.
4. IF THE FLANGE OF THE METAL EDGE IS NOT COMPLETELY COVERED WITH QUICKSEAM FLASHING, THEN AN ADDITIONAL PIECE OF QUICKSEAM FLASHING SHALL BE INSTALLED AT ALL METAL SPICES.



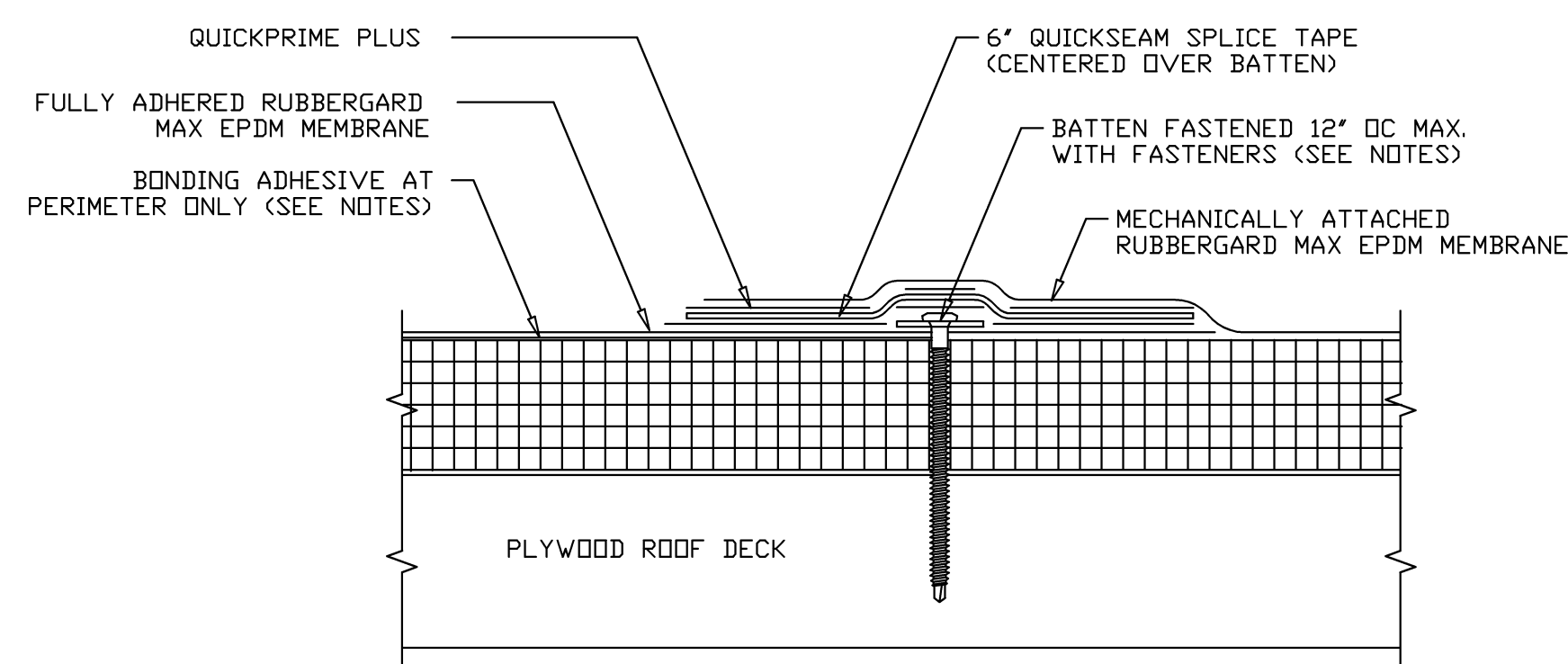
4 GRAVEL STOP DETAIL
A-19 Scale: 1-1/2" = 1'- 0"



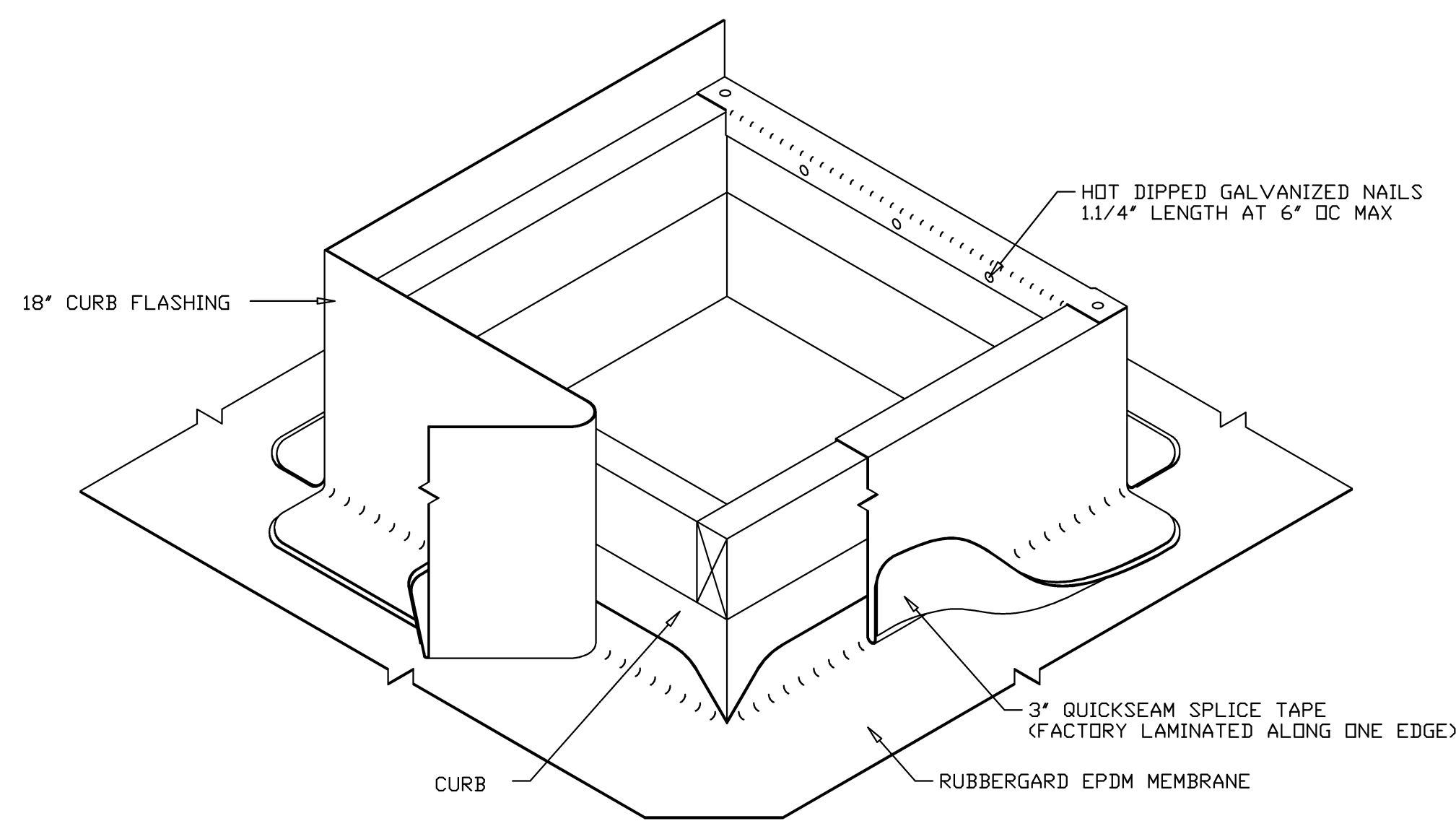
2 WALL FLASHING DETAIL
A-19 Scale: 1-1/2" = 1'- 0"

NOTES:

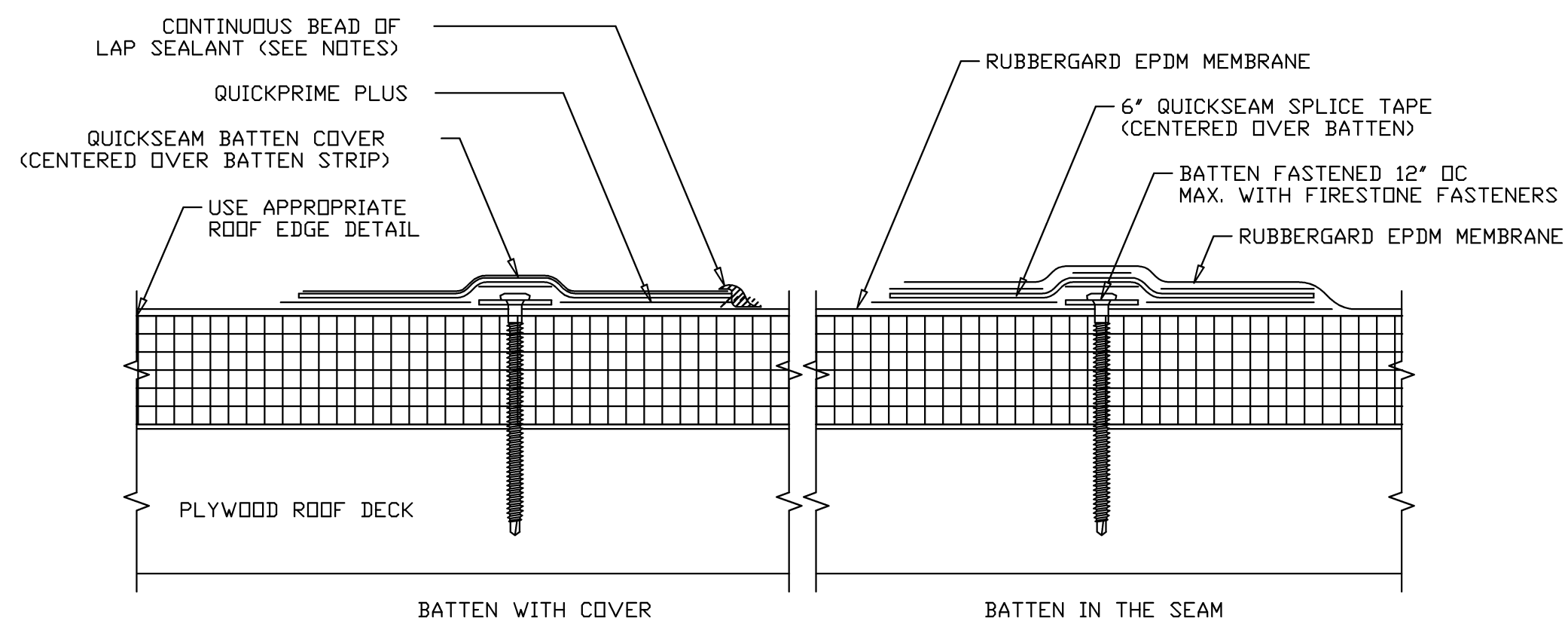
1. DO NOT APPLY BONDING ADHESIVE BEYOND THE BATTEN STRIP AS SHOWN.
2. PERIMETER AREA INSULATION ATTACHED PER FULLY ADHERED SPECIFICATIONS.



5 PERIMETER TIE-IN DETAIL
A-19 Scale: 1-1/2" = 1'- 0"



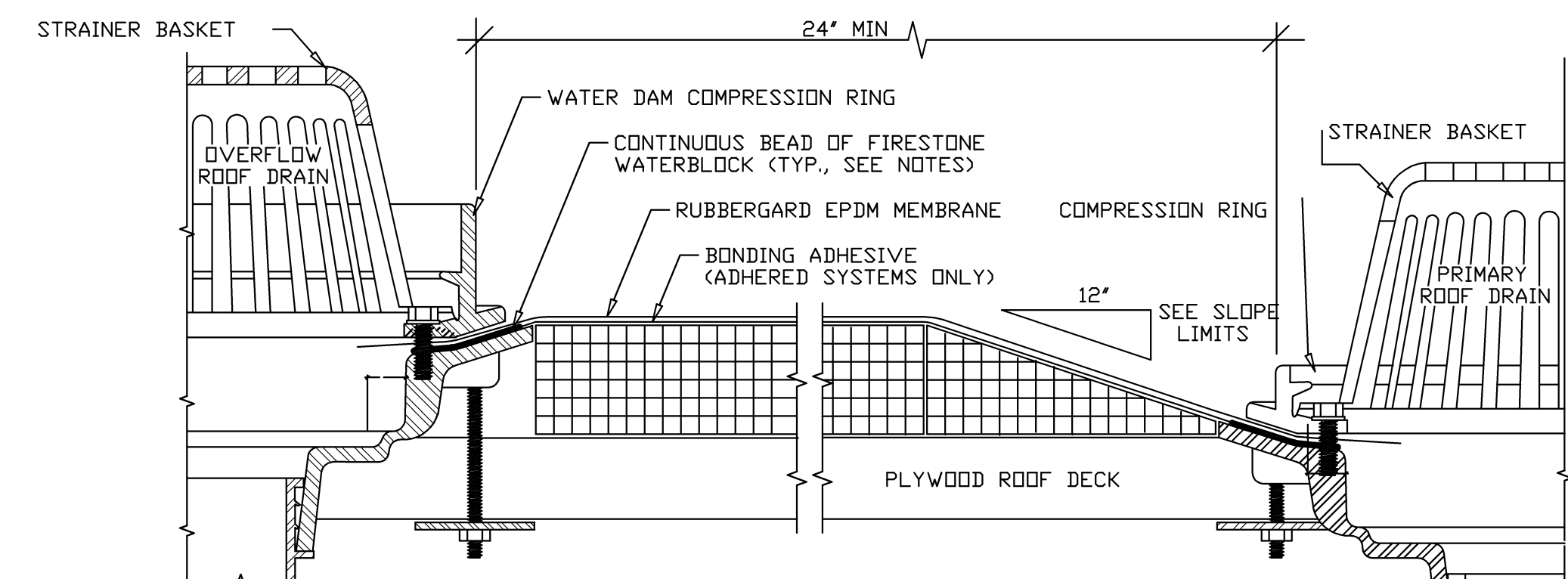
7 CURB FLASHING DETAIL
A-19 Scale: 1-1/2" = 1'- 0"



3 PERIMETER ATTACHED DETAIL
A-19 Scale: 1-1/2" = 1'- 0"

NOTES:

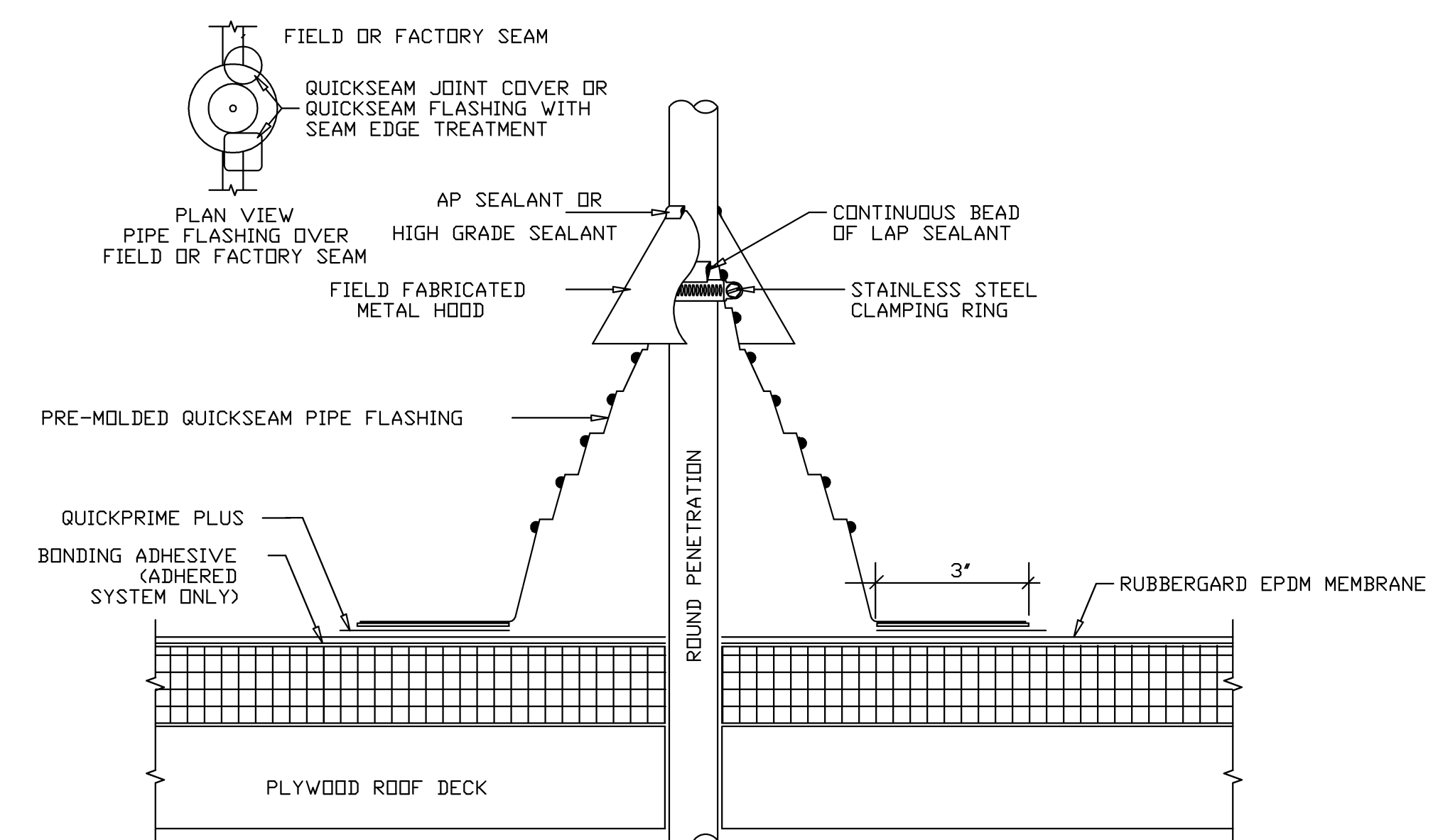
1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. HOLE IN MEMBRANE SHOULD EXTEND A MINIMUM OF 1/2" BEYOND CLAMPING RING AND SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE.
3. INSULATION ADJACENT TO DRAIN TO BE APPROPRIATE FIRESTONE INSULATION WITH APPROPRIATE BONDING SURFACE.
4. FIRESTONE WATERBLOCK MIN. OF 1/2 OF 10 OZ (295 ml) TUBE PER 4" DRAIN. USE ADDITIONAL WATERBLOCK FOR LARGER DRAINS.
5. IN REROOF APPLICATIONS:
- REMOVE EXISTING FLASHINGS DOWN TO METAL BOWL.
- REPAIR OR REPLACE BROKEN DRAIN COMPONENTS.
- DRILL AND TAP BROKEN DRAIN BOLTS AND REPLACE IF NECESSARY.



SUMP AREA FIELD SEAM REQUIREMENTS:

- IF FIELD SEAM EDGE IS WITHIN 9" (228.6 mm) OF DRAIN COMPRESSION RING, EPDM TARGET PATCH REQUIRED.
 - IF FIELD SEAM EDGE IS WITHIN 9" (228.6 mm) TO 18" (457.2 mm) OF DRAIN COMPRESSION RING, INSTALL A LAYER OF 3" QUICKSEAM FLASHING CENTERED OVER SEAM EDGE. 3" QUICKSEAM FLASHING MUST EXTEND 3" (76.2 mm) MIN. BEYOND EDGE OF SUMP.
- MEMBRANE SLOPE LIMITS:
- MAXIMUM SLOPE FOR MAX MEMBRANE SHALL BE 2" (50.8 mm) / 12" (304.8 mm). REFER TO DETAIL D-4 WHEN SLOPE EXCEEDS LIMITATIONS.
 - MAXIMUM SLOPE FOR STANDARD MEMBRANE SHALL BE 6" (152.4 mm) / 12" (304.8 mm).

6 ROOF DRAIN DETAIL
A-19 Scale: 1-1/2" = 1'- 0"

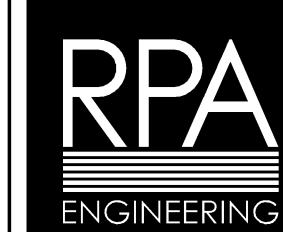


8 PIPE FLASHING DETAIL
A-19 Scale: 1-1/2" = 1'- 0"

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PROJECT NO.		DRAWN BY		CHK'D BY
B3907		EMH		EMH
NO.	DATE	BY	ISSUE	
1	05-15-2015	EMH	ISSUED FOR PERMIT REVIEW	
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APPROVED BY			CURRENT DATE	
Robin J. Kohn, AIA			May 15, 2015	

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SHEET TITLE

ROOF DETAILS

SHEET NUMBER

A-19

PROJECT NO.		DRAWN BY	CHK'D BY
B3907		EMH	EMH
NO.	DATE	BY	ISSUE
1	05-20-2015	EMH	ISSUED FOR PERMIT REVIEW
2	10-12-2015	EMH	ISSUED FOR CONSTRUCTION
3	01-06-2016	EMH	REVISED ELEVATIONS BASED ON CMC ENGINEERING SURVEY
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APPROVED BY	CURRENT DATE
Robin J. Kohn, AIA	January 06, 2016

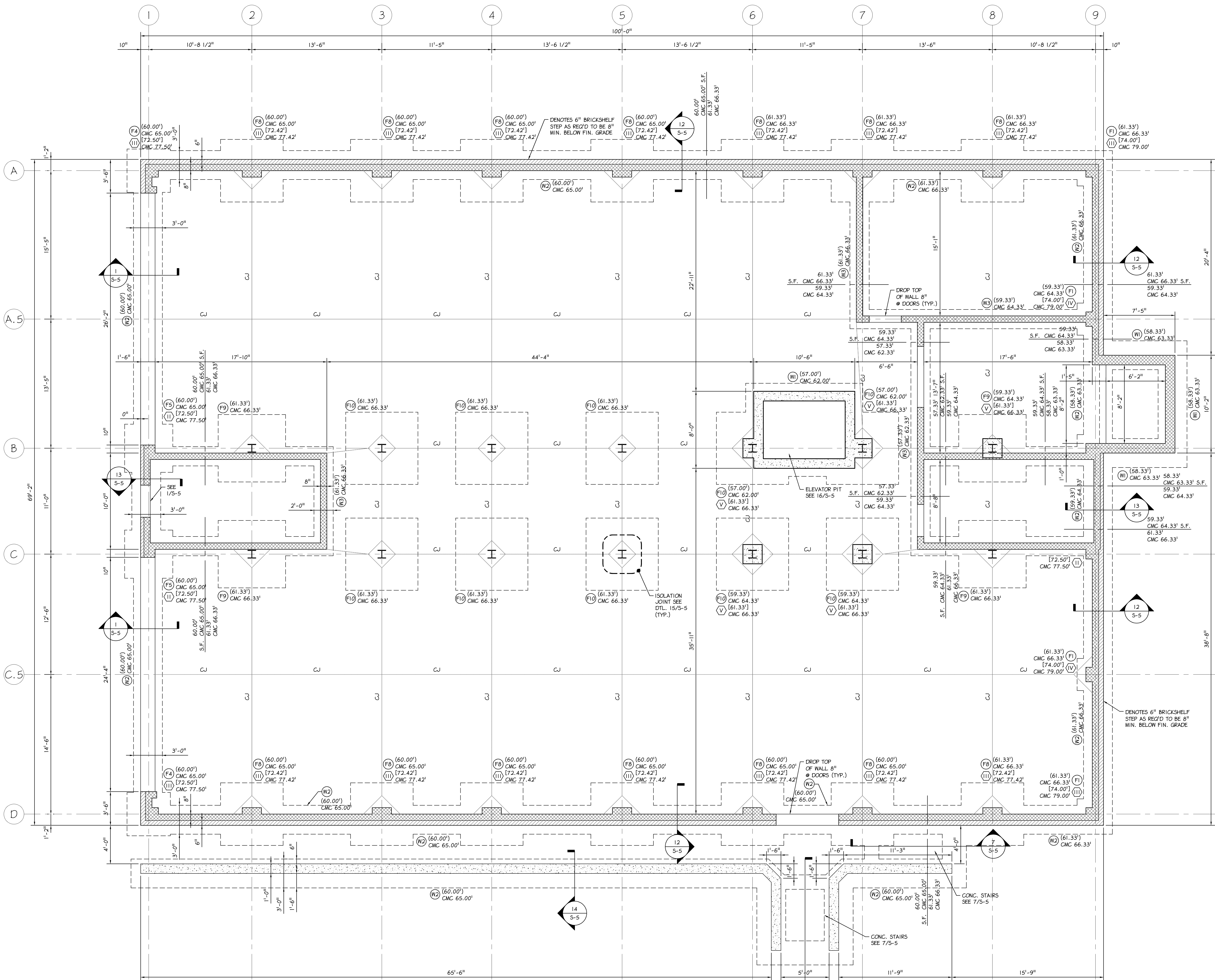
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PHILADELPHIA, PA 19104

**STRUCTURAL -
FOUNDATION PLAN**

SHEET NUMBER

S-1

REV
3



1 STRUCTURAL - FOUNDATION PLAN

S-1 Scale: 1/4" = 1'-0"

- NOTES:
1. FINISHED FLOOR ELEVATION AT 62.00' (CMC 67.00')
 2. 4" THICK CONCRETE FLOOR SLAB W/ 6X6-W2.0XW2.0 WWF
 3. TOP OF FOOTING ELEVATION NOTED (00.00')
 4. TOP OF PIER ELEVATION NOTED (00.00')
 5. S.F. DENOTES STEP IN FOOTINGS (SEE DETAIL 4/S-5)
 6. C.J. DENOTES CONTROL JOINTS (SEE DETAIL 3/S-5)

PROJECT NO.		DRAWN BY	CHK'D BY
B3907		EMH	EMH
NO.	DATE	BY	ISSUE
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2	10-12-2015	EMH	ISSUED FOR CONSTRUCTION
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APPROVED BY	CURRENT DATE
Robin J. Kohn, AIA	October 12, 2015

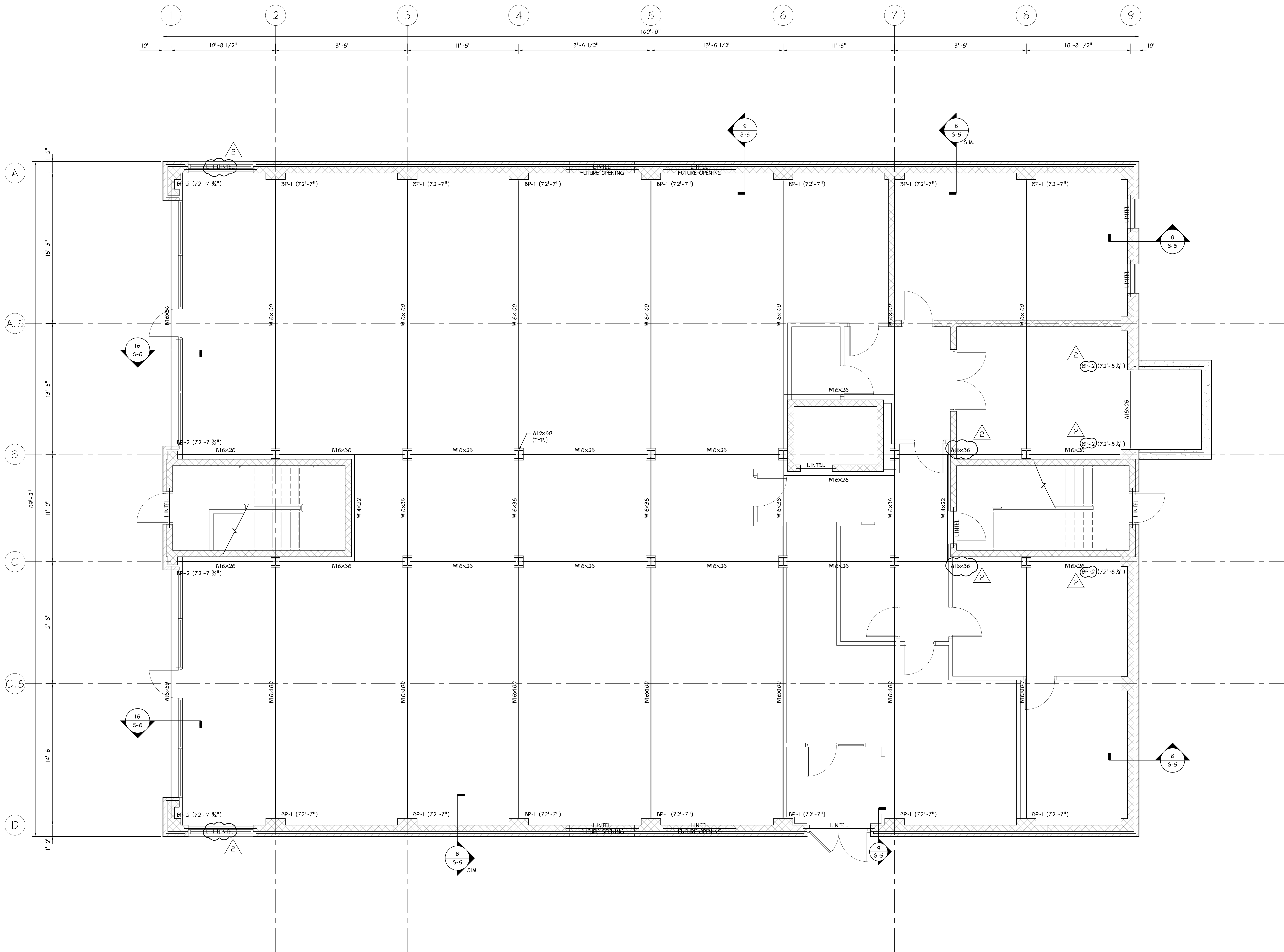
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SHEET TITLE
STRUCTURAL - FIRST FLOOR FRAMING PLAN

SHEET NUMBER

S-2

REV
2



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B3907		EMH		EMH
NO.	DATE	BY	ISSUE	
1	05-20-2015	EMH	ISSUED FOR PERMIT REVIEW	
2	10-12-2015	EMH	ISSUED FOR CONSTRUCTION	
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APPROVED BY
Robin J. Kohn, AIA
CURRENT DATE
October 12, 2015

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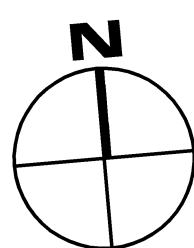
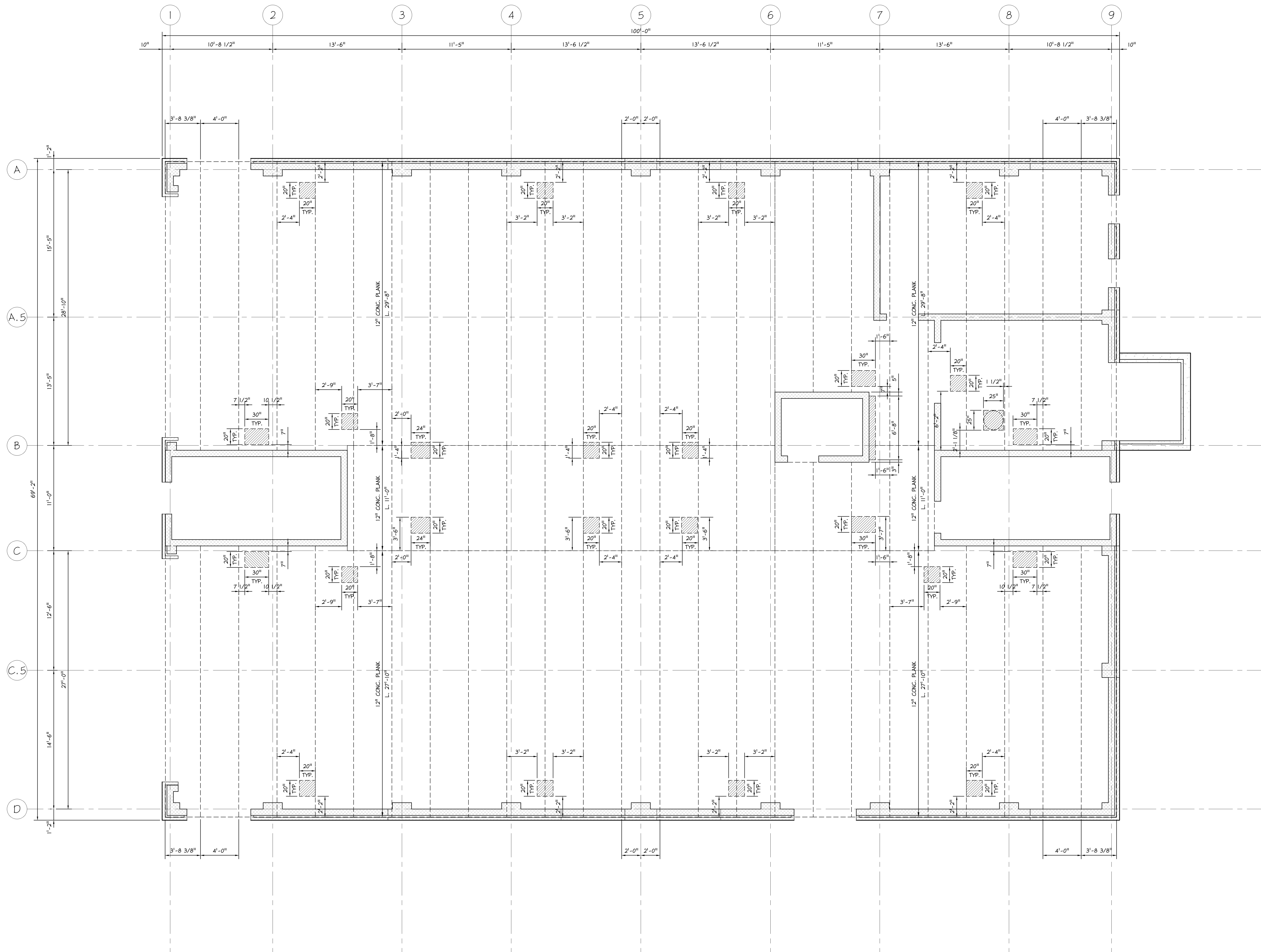
SHEET TITLE

**STRUCTURAL -
CONCRETE PLANK PLAN**

SHEET NUMBER

S-3

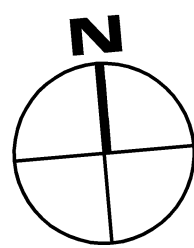
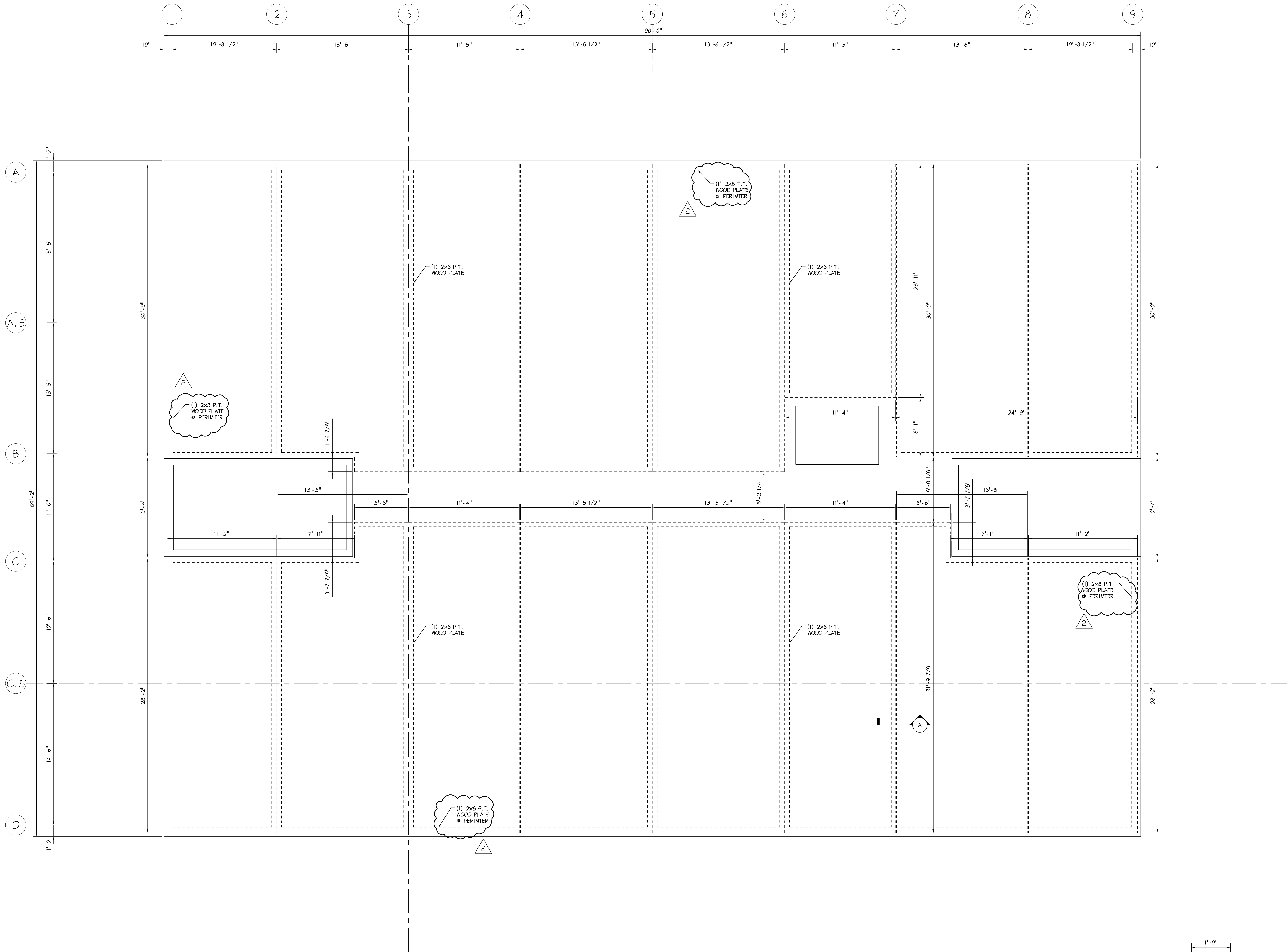
REV
2



1 STRUCTURAL - CONCRETE PLANK PLAN
S-3 Scale: 1/4" = 1'-0"

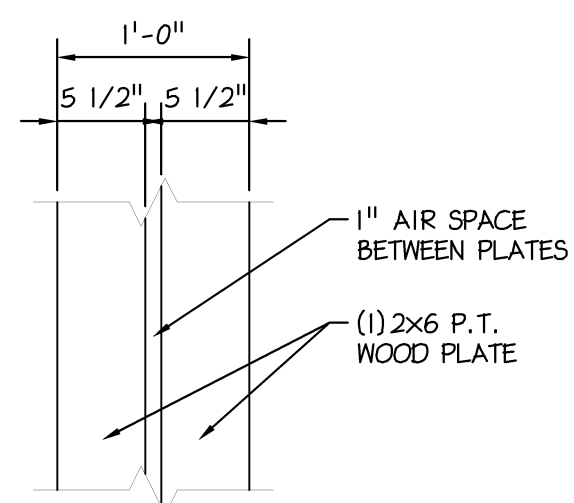
NOTES:

1. TOP OF STEEL ELEVATION 74'-0" U.N.O.
2. TOP OF PLANK ELEVATION 75'-0" U.N.O.
3. 10" THICK BY 4" WIDE PRESTRESSED CONCRETE HOLLOW CORE FLOOR PLANK W/ 2" CONCRETE TOPPING
4. CONCRETE PLANK FINISH TO BE SELF-LEVELING GROUT
5. PRESTRESSING STRAND CONFIGURATION TO BE 10S138
6. PROVIDE SUPPORT AT PLANK OPENINGS AS REQ'D BY PLANK MANUFACTURER
7. // denotes proposed openings through concrete planks

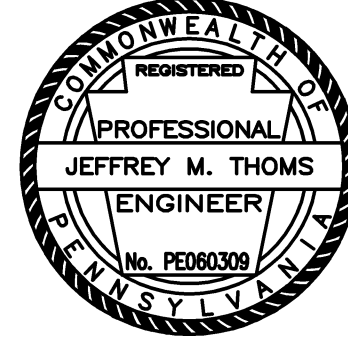


1 **STRUCTURAL - MODULAR LAYOUT PLAN**
S-4 Scale: 1/4" = 1'- 0"

- NOTES:
1. TOP OF WOOD PLATE ELEVATION 75'-1 1/2" U.N.O.
 2. WOOD PLATES SHALL BE PRESSURE TREATED LUMBER.
 3. G.C. TO COORDINATE ALL WORK WITH (PBS) MODULAR DRAWINGS.



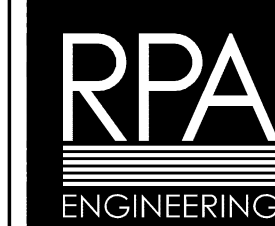
A **DETAIL**
S-4 Scale: 1" = 1'- 0"



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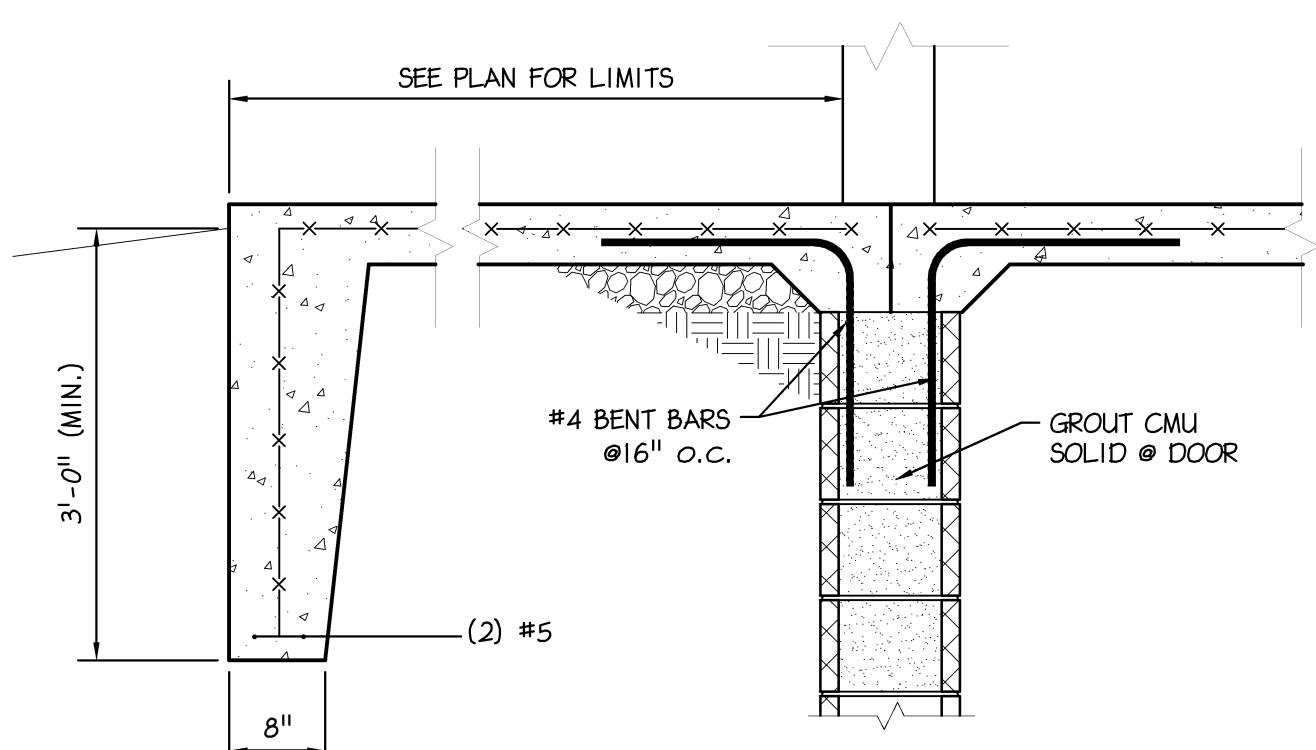
PROJECT NO.		DRAWN BY	CHK'D BY
B3907		EMH	EMH
NO.	DATE	BY	ISSUE
1	05-20-2015	EMH	ISSUED FOR PERMIT REVIEW
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APPROVED BY **CURRENT DATE**
Robin J. Kohn, AIA
October 12, 2015

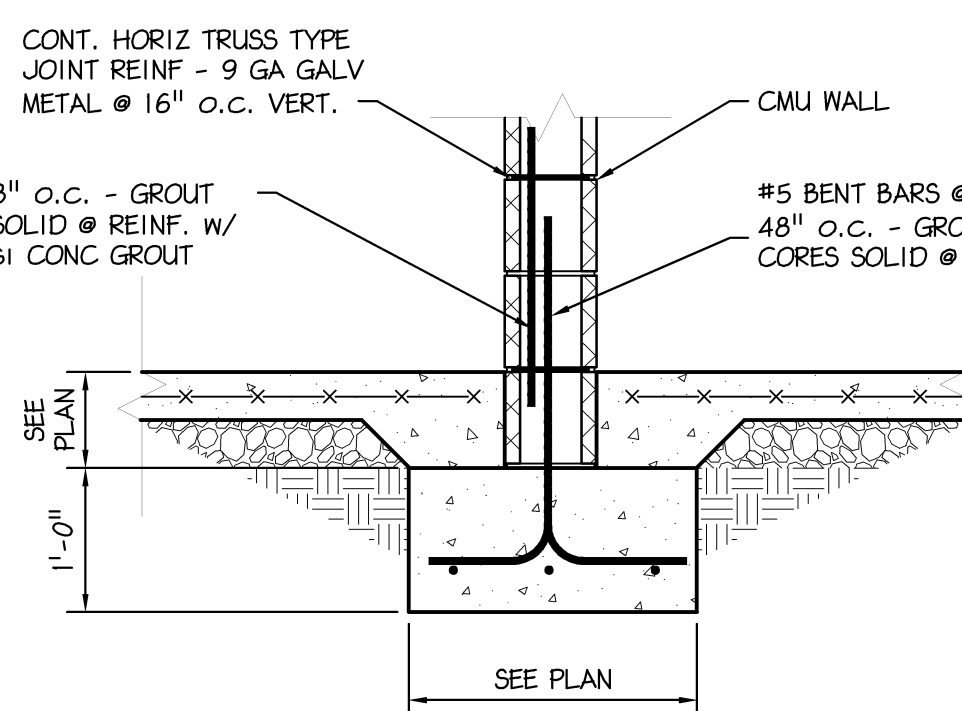
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SHEET TITLE
STRUCTURAL - MODULAR LAYOUT PLAN

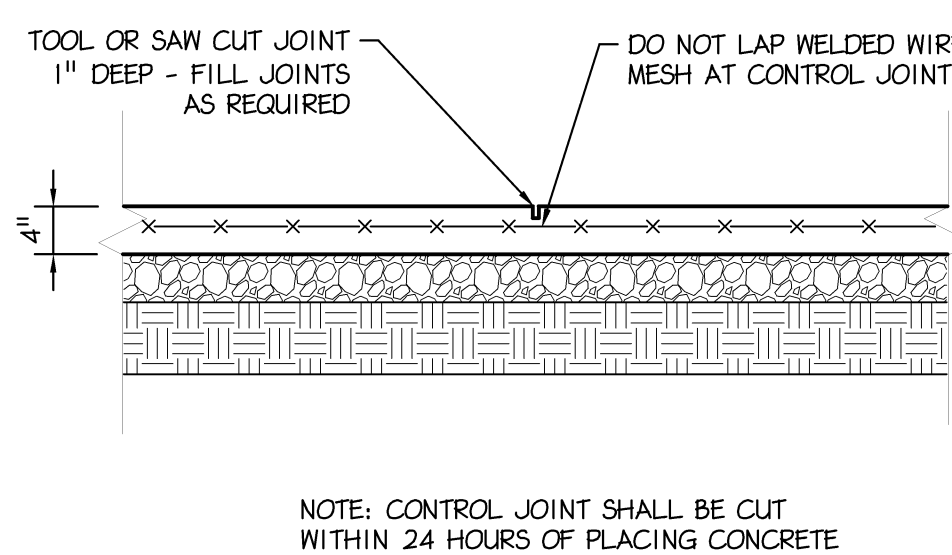
SHEET NUMBER
S-4
REV
2



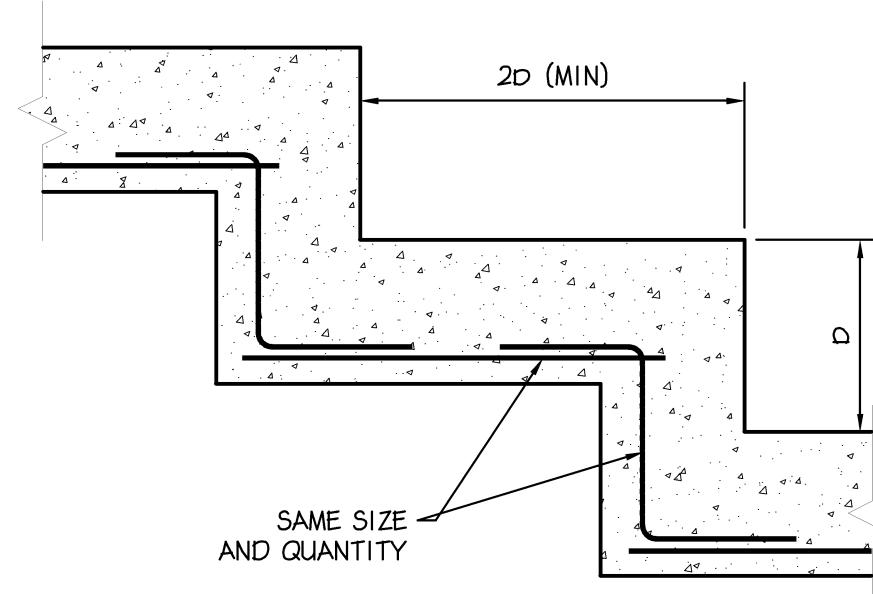
1 EXTERIOR WALL
S-5 Scale: 3/4" = 1'-0" @ STAIR DOOR



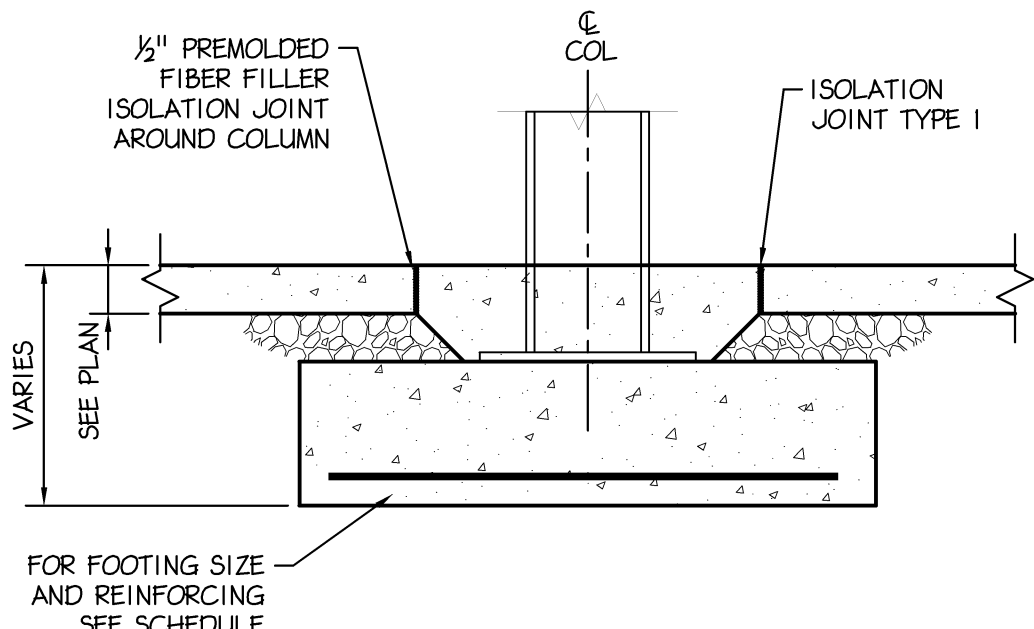
2 INTERIOR WALL FOOTING
S-5 Scale: 3/4" = 1'-0"



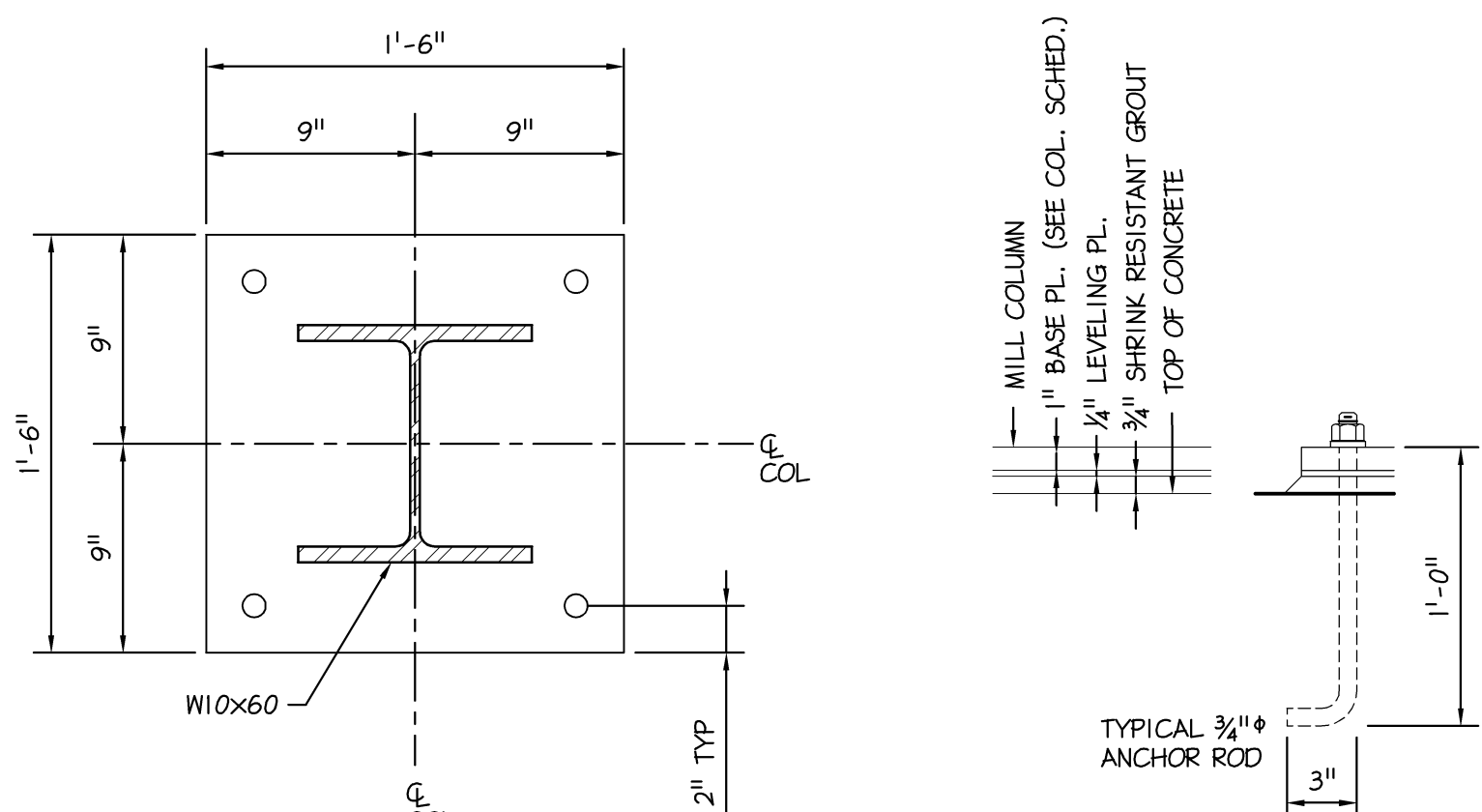
3 TYP. CRACK CONTROL JOINTS
S-5 Scale: 3/4" = 1'-0"



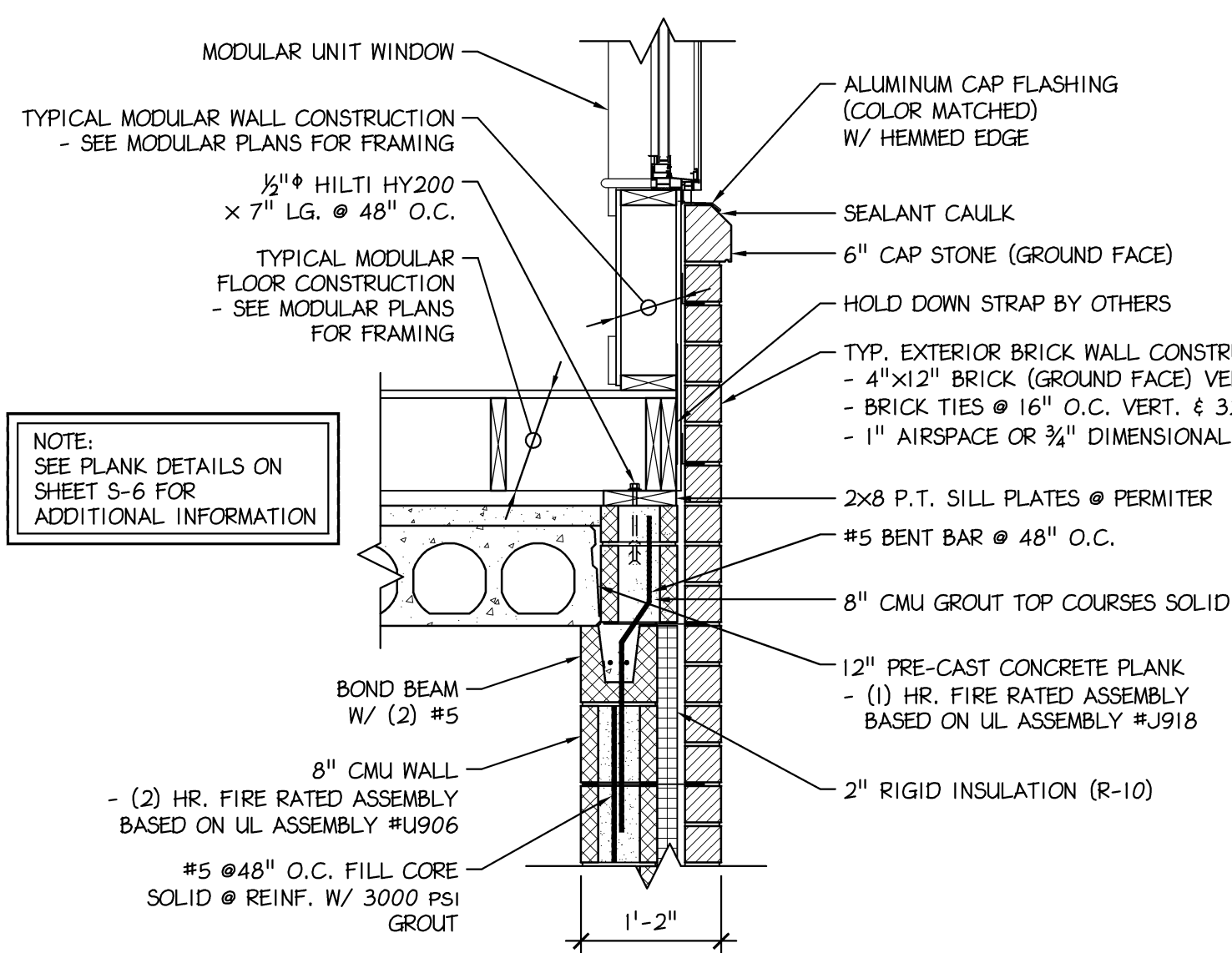
4 TYP. STEP FOOTING DETAIL
S-5 Scale: 3/4" = 1'-0"



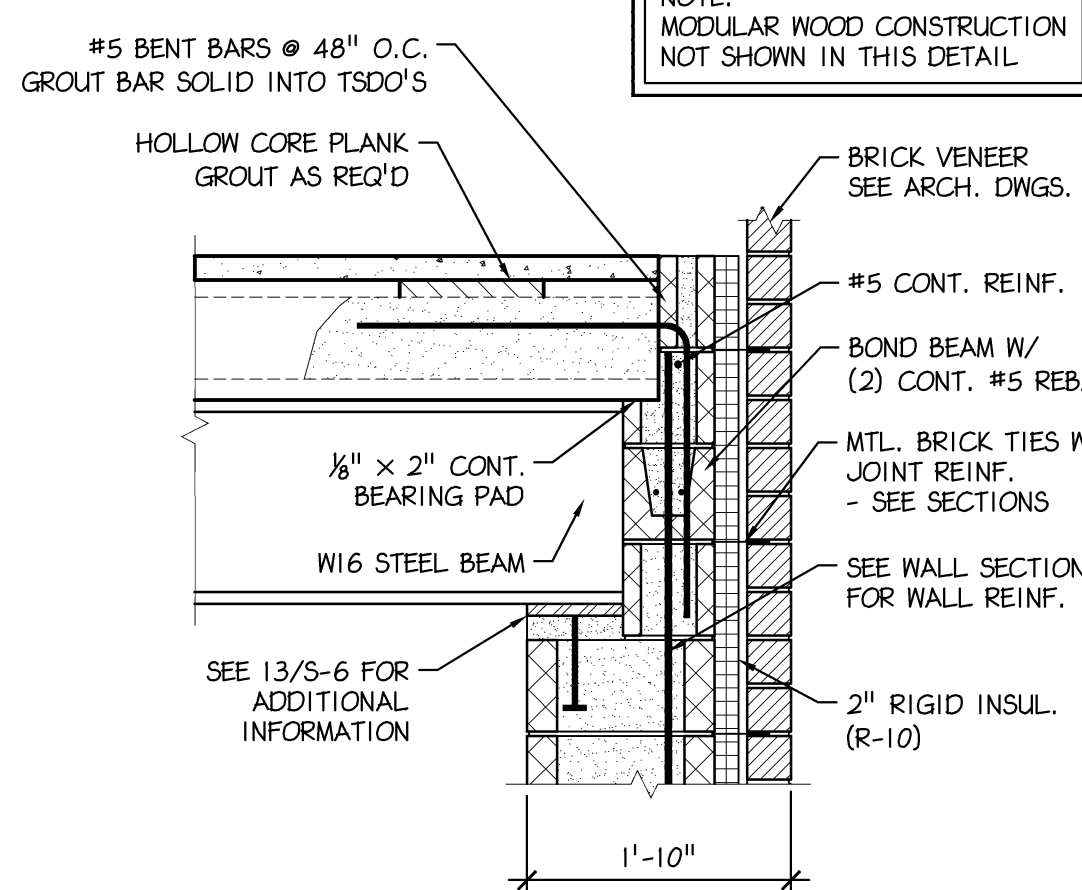
5 TYP. INTERIOR COLUMN FOOTING
S-5 Scale: 3/4" = 1'-0"



6 TYP. BASE PLATE DETAIL
S-5 Scale: 1 1/2" = 1'-0"

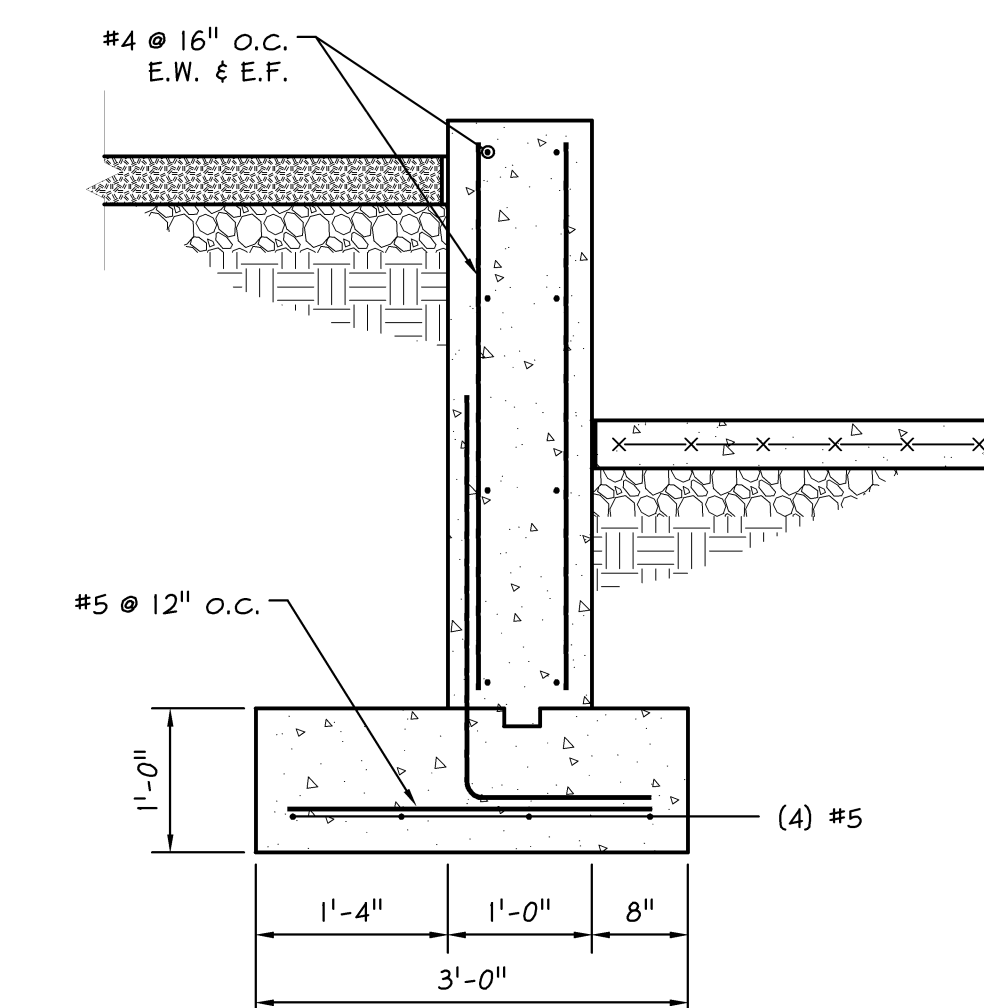


7 TYP. CMU FOUNDATION & CONCRETE STAIRS
S-5 Scale: 3/4" = 1'-0"

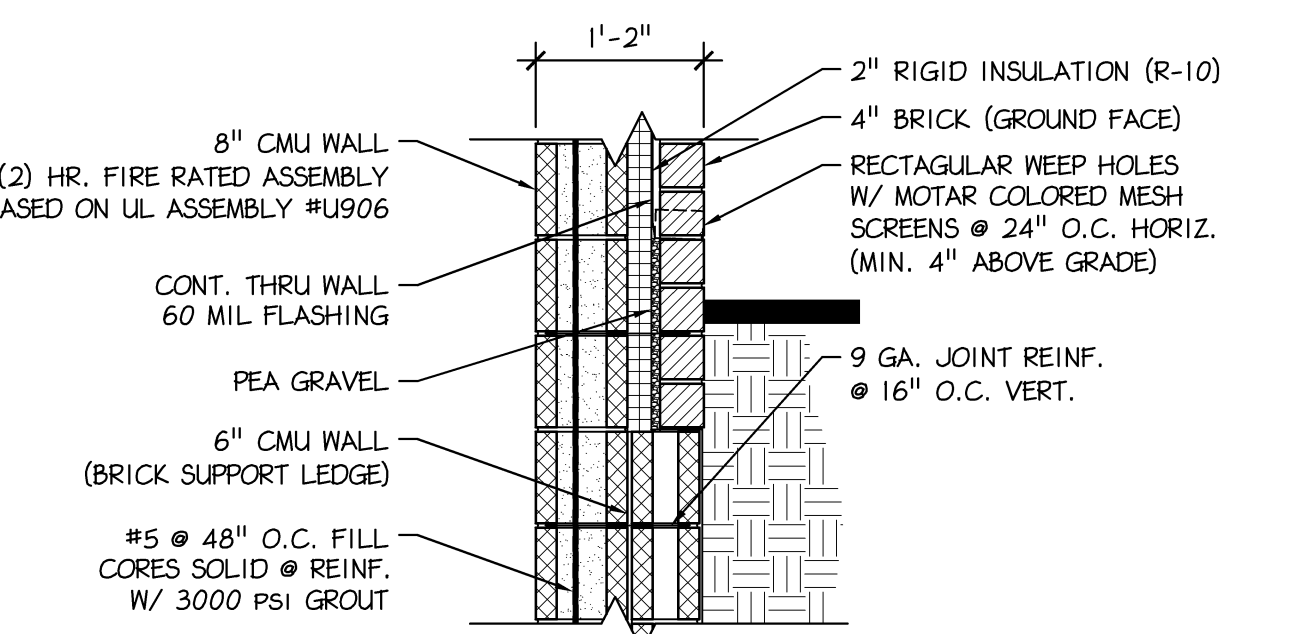


8 TYP. WALL SECTION AT FIRST FLOOR
S-5 Scale: 3/4" = 1'-0"

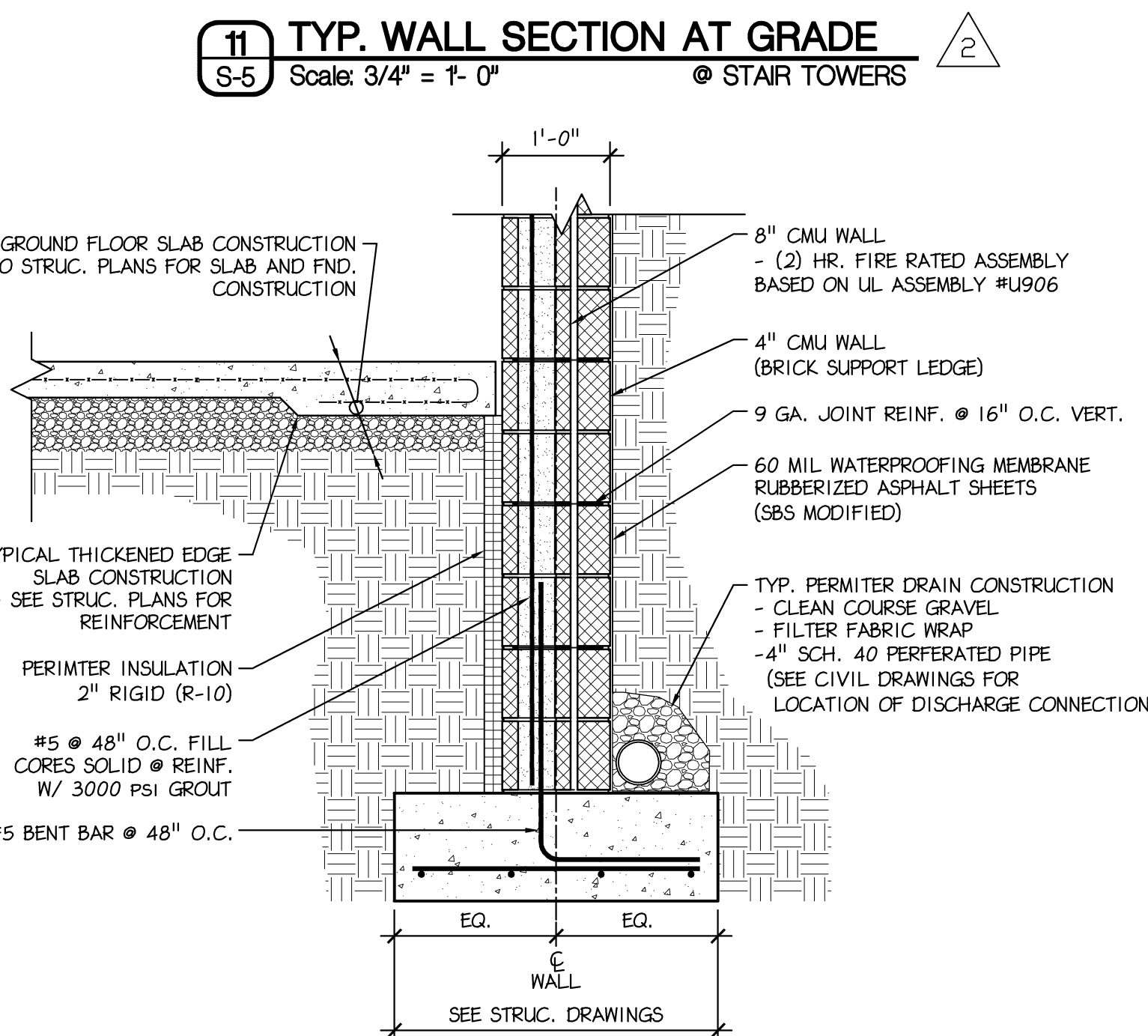
9 TYP. WALL SECTION AT PIER
S-5 Scale: 3/4" = 1'-0"



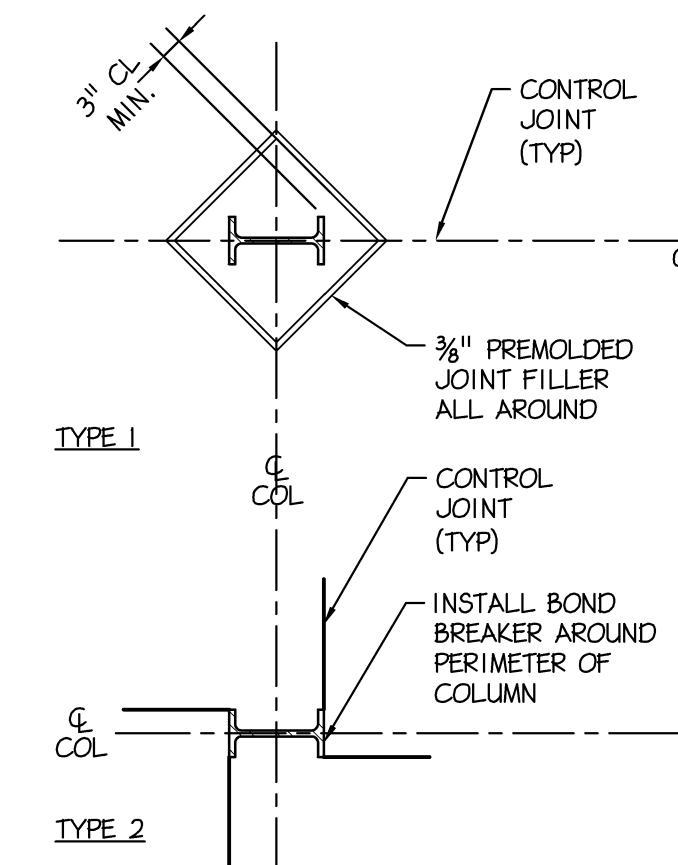
10 TYP. WALL SECTION AT GRADE
S-5 Scale: 3/4" = 1'-0"



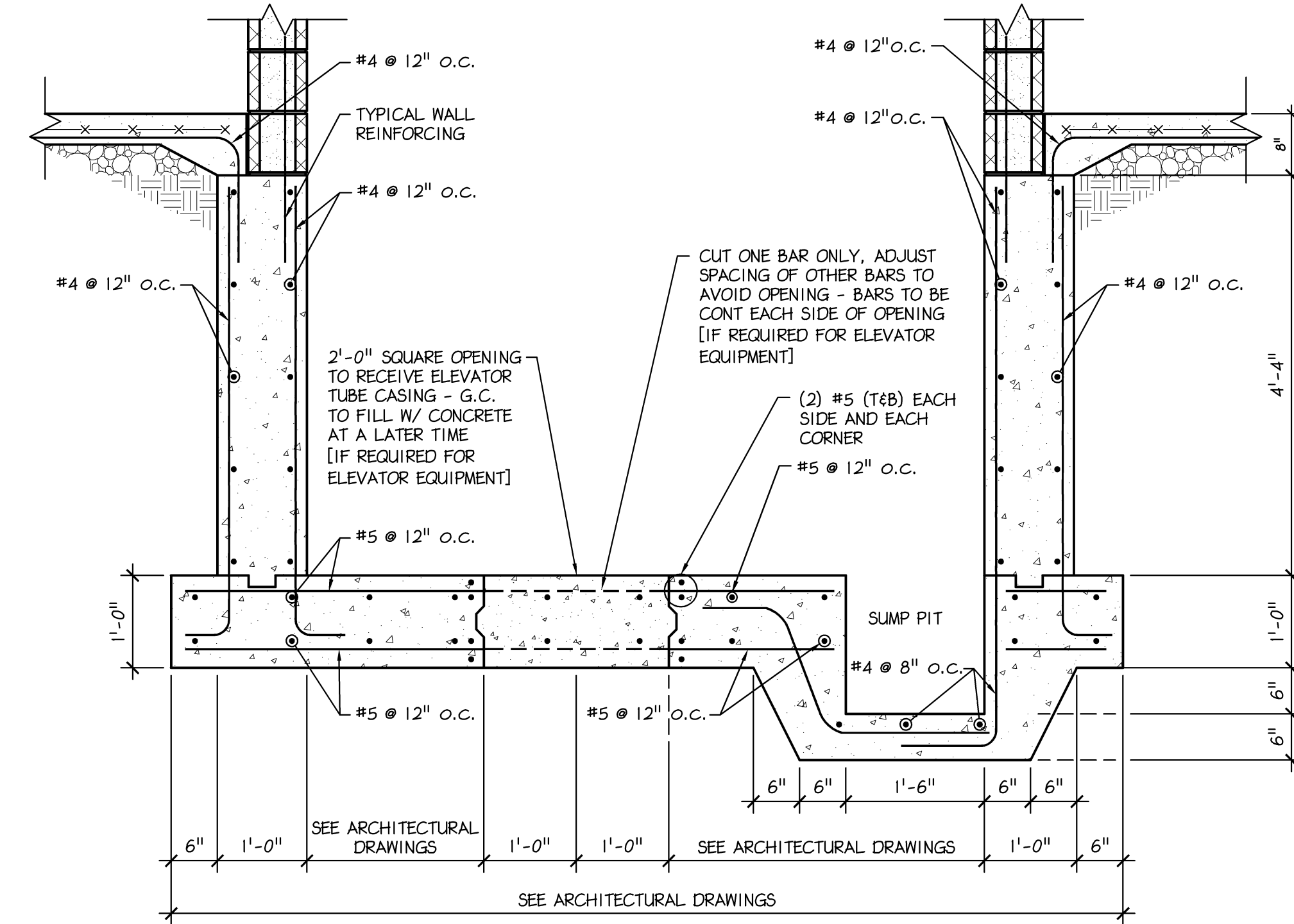
11 TYP. WALL SECTION AT GRADE
S-5 Scale: 3/4" = 1'-0"



12 TYP. WALL SECTION AT FOOTING
S-5 Scale: 3/4" = 1'-0"



13 TYP. ISOLATION JOINT DETAIL
S-5 Scale: 3/4" = 1'-0"



14 TYP. CONCRETE ELEVATOR PIT
S-5 Scale: 3/4" = 1'-0"

LIVE LOADS	APPLICABLE CODE: IBC 2009
FLOOR LIVE LOADS	40 PSF
STAIRWAY LIVE LOAD	100 PSF
MECHANICAL UNIT LOAD	SEE DRAWINGS
ROOF LOADS	
ROOF LIVE LOAD	20 PSF (MIN)
ROOF SNOW LOAD	30 PSF + SNOW DRIFT
GROUND SNOW LOAD - Pg	30 PSF
FLAT ROOF SNOW LOAD - Pf	25 PSF
SNOW EXPOSURE FACTOR - Ce	1.0
SNOW LOAD IMPORTANCE FACTOR - I	1.0
THERMAL FACTOR - Ct	1.0
WIND LOAD	
BASIC WIND SPEED - V (3-SEC. GUST)	90 MPH
WIND LOAD IMPORTANCE FACTOR	1.0
WIND LOAD EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT	± 0.25
WIND DESIGN PRESSURE	25 PSF
SEISMIC LOAD	
SEISMIC DESIGN CATEGORY	C
SEISMIC USE GROUP	II
SPECTRAL RESPONSE COEFFICIENT - SDS	0.339
SPECTRAL RESPONSE COEFFICIENT - SDI	0.133
SITE CLASS	D
BASIC SEISMIC FORCE RESISTING SYSTEM	ORDINARY REINFORCED MASONRY SHEAR WALLS
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
WIND LOAD CONTROLS DESIGNS FOR LATERAL FORCES	

- FOUNDATION NOTES**
- FOUNDATION SOIL BEARING PRESSURE 4000 PSF
 - FOUNDATION SHALL BE PLACED ON VIRGIN SOIL AT ELEVATIONS INDICATED ON DRAWINGS.
 - THE ENGINEER SHALL APPROVE ALL BEARING STRATA PRIOR TO PLACEMENT OF THE CONCRETE FOOTINGS.
 - INSTALL CRACK CONTROL OR CONSTRUCTION JOINTS AT 30-FOOT MAXIMUM CENTERS IN WALLS. LOCATIONS SHALL BE APPROVED BY ENGINEER.
 - TOP OF FOOTING ELEVATIONS ARE NOTED (000.00'). TOP OF PIER OR WALL ELEVATIONS ARE NOTED (000.00').
 - ALL TOPSOIL, SOIL FILL, AND SOFT SUBSOIL SHALL BE REMOVED AND, IF NECESSARY, REPLACED WITH COMPACTED LOAD-BEARING FILL MATERIALS. TEST PITS OR SOIL BORINGS SHALL BE CONDUCTED TO DETERMINE THE LOCATION OF THE VIRGIN SOIL.
 - ANY UNDERCUT AND REPLACEMENT WITH COMPACTED LOAD-BEARING FILL SHALL EXTEND LATERALLY BEYOND FOOTINGS A DISTANCE AT LEAST EQUAL TO THE DEPTH OF THE UNDERCUT.
 - AFTER UNDERCUTTING AND REMOVAL OF UNSUITABLE SOIL, THE EXPOSED UNDERLYING RESIDUAL SOILS IN THE PROPOSED BUILDING AREA SHALL BE PROOFROLLED AND COMPACTED. SOFT AND/OR UNSTABLE AREAS DISCLOSED BY THE PROOFROLLING SHALL BE ROLLED UNTIL STABILITY IS OBTAINED OR UNTIL FURTHER UNDERCUT TO FIRM MATERIAL IS REACHED.
 - FOOTINGS SHALL BE BASED ON STIFF SUBSOIL OR LOAD-BEARING FILL MATERIALS WITH A MINIMUM DEPTH OF AT LEAST TWO FEET OR ONE-HALF THE FOOTING WIDTH, WHICHEVER IS GREATER, BELOW THE FOUNDATION BEARING LEVEL.
 - PLACE LOAD-BEARING FILL MATERIALS IN LAYERS NOT MORE THAN EIGHT INCHES IN THICKNESS FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN FOUR INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. FILL MATERIAL SHALL BE MOISTENED OR AERATED AS NECESSARY.
 - EACH LIFT SHALL BE COMPACTED TO AN AVERAGE DRY DENSITY OF NOT LESS THAN 98% OF THE MAXIMUM DRY DENSITY ACCORDING TO ASTM D698 (STANDARD PROCTOR) FOR ALL FOOTING AND FLOOR SUBGRADES.
 - THE SUB-FLOOR MATERIALS SHALL CONSIST OF AT LEAST FOUR TO SIX INCHES OF GRAVEL OR CRUSHED STONE. THE SUB-FLOOR MATERIALS SHALL BE COMPACTED BY AT LEAST FOUR COVERAGES OF A HEAVY-DUTY VIBRATORY ROLLER OR UNTIL NO FURTHER COMPACTION IS OBSERVED. SEE THE DRAWINGS AND SPECIFICATIONS FOR THE VAPOR BARRIER SIZE, TYPE AND LOCATION.
 - IN AREAS WHERE SOFT/LOOSE ZONES OR POSSIBLE VOIDS EXIST AT DEPTH, NOTIFY THE STRUCTURAL ENGINEER IMMEDIATELY. SUCH AREAS SHOULD BE UNDERCUT AND REPLACED WITH COMPACTED LOAD-BEARING FILL OR FLOWABLE CONCRETE FILL AS DIRECTED BY THE DESIGN PROFESSIONAL. IN ADDITION, FOOTINGS SHOULD BE OVERSIZED AND PROPORTIONED FOR A REDUCED ALLOWABLE BEARING CAPACITY, AS DETERMINED BY THE STRUCTURAL ENGINEER, TO BETTER DISTRIBUTE FOUNDATION LOADS AND SPAN ANY LOCALIZED SOFT/LOOSE ZONE OR VOID AREAS.

- CONCRETE NOTES**
- REINFORCED CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318, LATEST EDITION.
 - CONCRETE MATERIALS: FC = 4000 PSI FOR SLABS, ALL OTHER CONCRETE: FC = 3000 PSI CEMENT: ASTM C150, TYPE I AGGREGATE: ASTM C33 WATER: ASTM C94
 - EXTERIOR CONCRETE MIX: WATER CEMENT RATIO, 0.45 (AIR-ENTAINED TO 4.5 % MIN) INTERIOR CONCRETE MIX: WATER CEMENT RATIO, 0.50
 - REINFORCING MATERIALS: REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED
 - REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 36 BAR DIAMETERS, CAST AGAINST EARTH: 3" CLEAR CONCRETE EXPOSED TO EARTH OR WATER: 2" CLEAR ALL OTHER CONCRETE: 3/4" CLEAR
 - MINIMUM CONCRETE SLAB REINFORCEMENT SHALL BE AS FOLLOWS: 3-8" FLOOR SLAB ON METAL DECK 66-W2.5W2.9 4" FLOOR SLAB ON GRADE 66-W2.5W2.9 5" FLOOR SLAB ON GRADE 44-W4.0W4.0 6" FLOOR SLAB ON GRADE 44 REBAR @ 12" O.C. E.W.
 - COLD-WEATHER PLACING SHALL COMPLY WITH THE PROVISIONS OF ACI-306R. THE USE OF CALCIUM CHLORIDE, SALT, AND OTHER MATERIALS CONTAINING ANTI-FREEZE AGENTS OR CHEMICAL ACCELERATORS SHALL NOT BE PERMITTED UNLESS OTHERWISE ACCEPTED IN THE MIX DESIGN.
 - HOT-WEATHER PLACING SHALL COMPLY WITH THE PROVISIONS OF ACI-305.

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Contact Person:
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NO.	DATE	BY	ISSUE
1	05-20-2015	EMH	ISSUED FOR PERMIT REVIEW
2	10-12-2015	EMH	ISSUED FOR CONSTRUCTION
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APPROVED BY
Robin J. Kohn, AIA

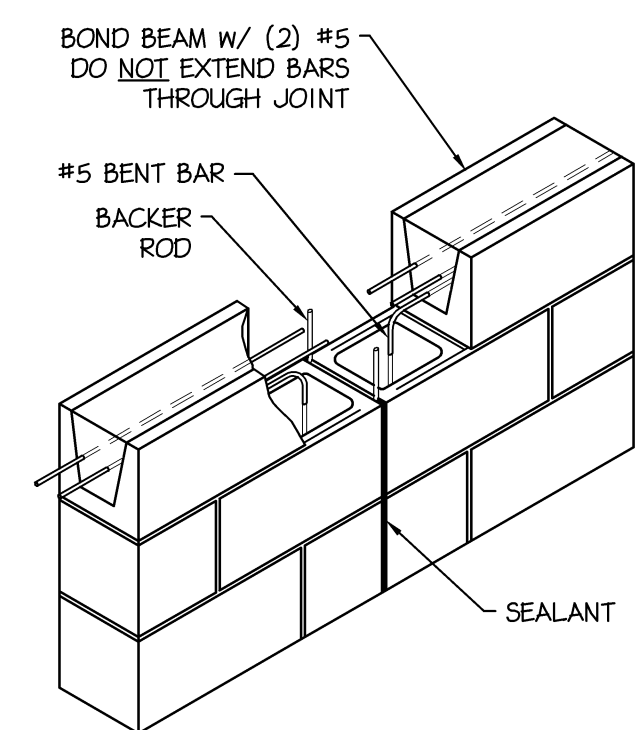
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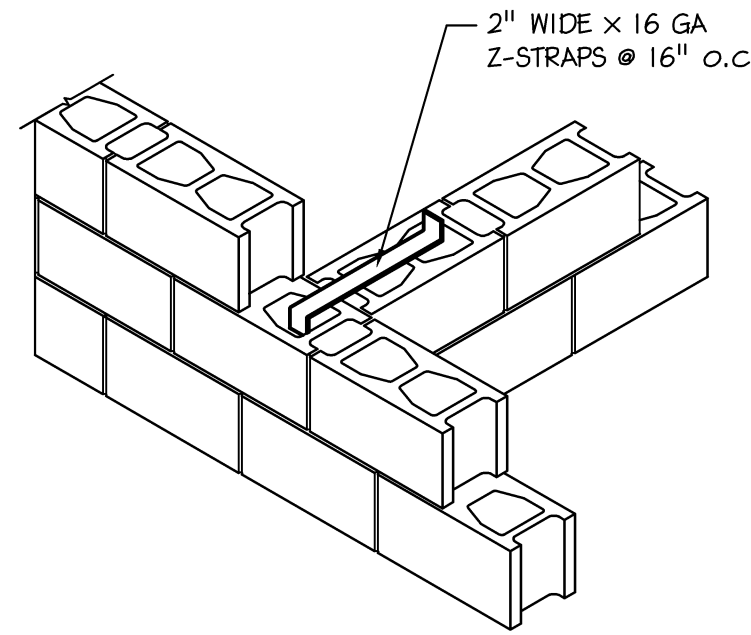
STRUCTURAL - DETAILS AND NOTES

SHEET NUMBER

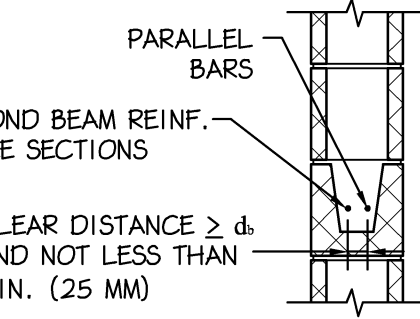
S-5
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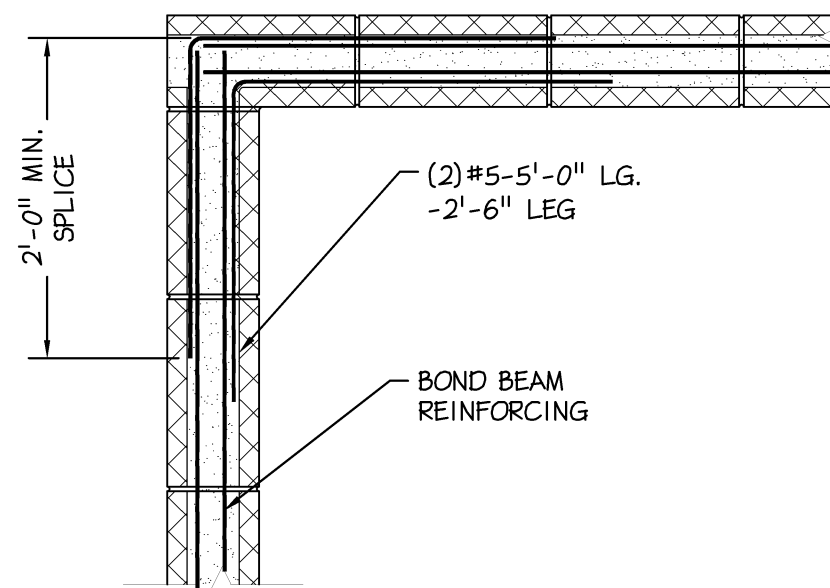
1 TYP. CONTROL JOINT
S-6 Scale: 3/4" = 1'-0" @ BOND BEAM



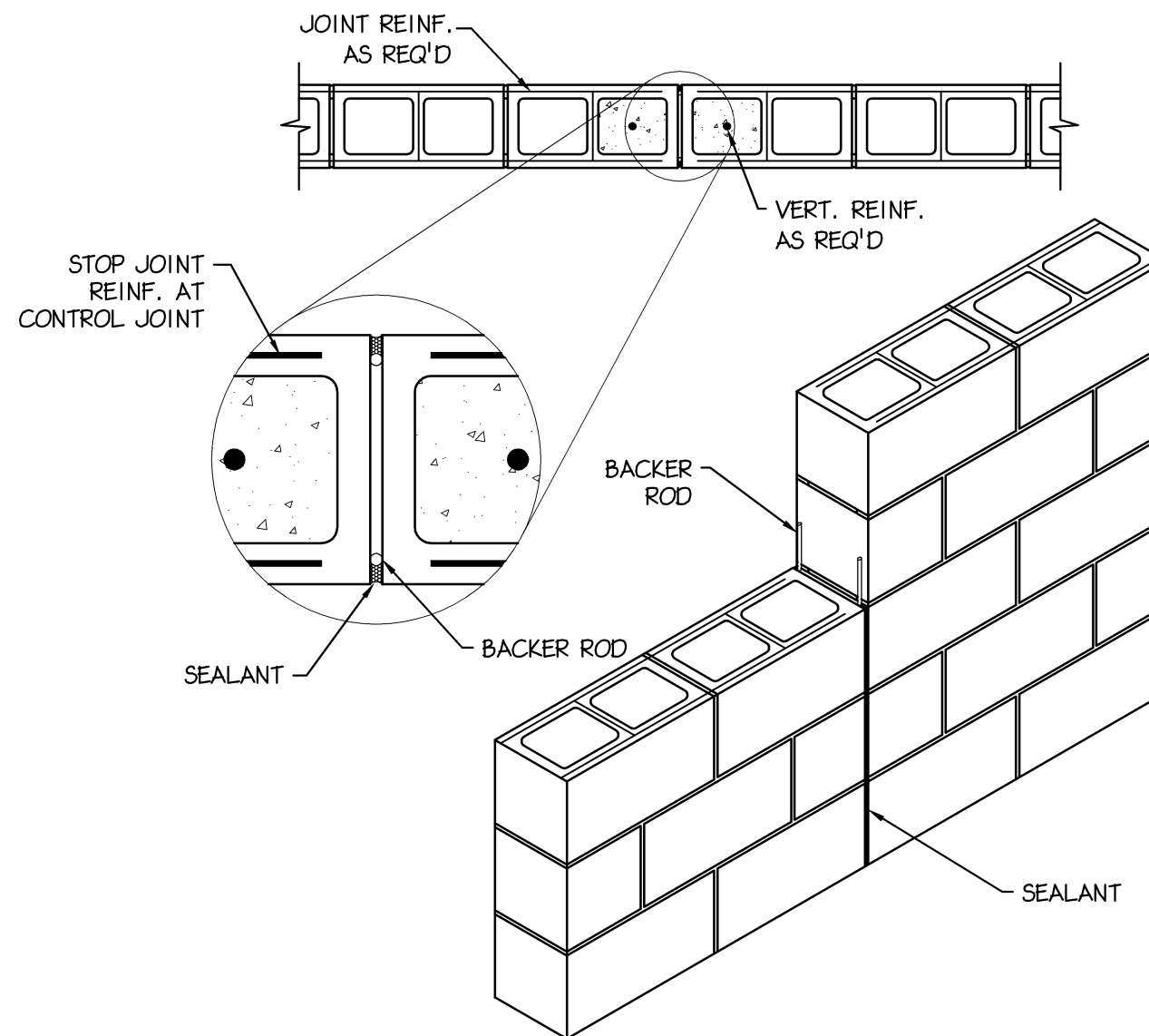
2 TYP. CMU WALL INTERSECTION
S-6 Scale: 3/4" = 1'-0"



3 TYP. CMU REINFORCEMENT REQUIREMENTS
S-6 Scale: 3/4" = 1'-0"



4 TYP. BOND BEAM
S-6 Scale: 3/4" = 1'-0" DETAIL @ CORNER



5 TYP. CMU WALL CONTROL JOINT
S-6 Scale: 3/4" = 1'-0"

MASONRY NOTES

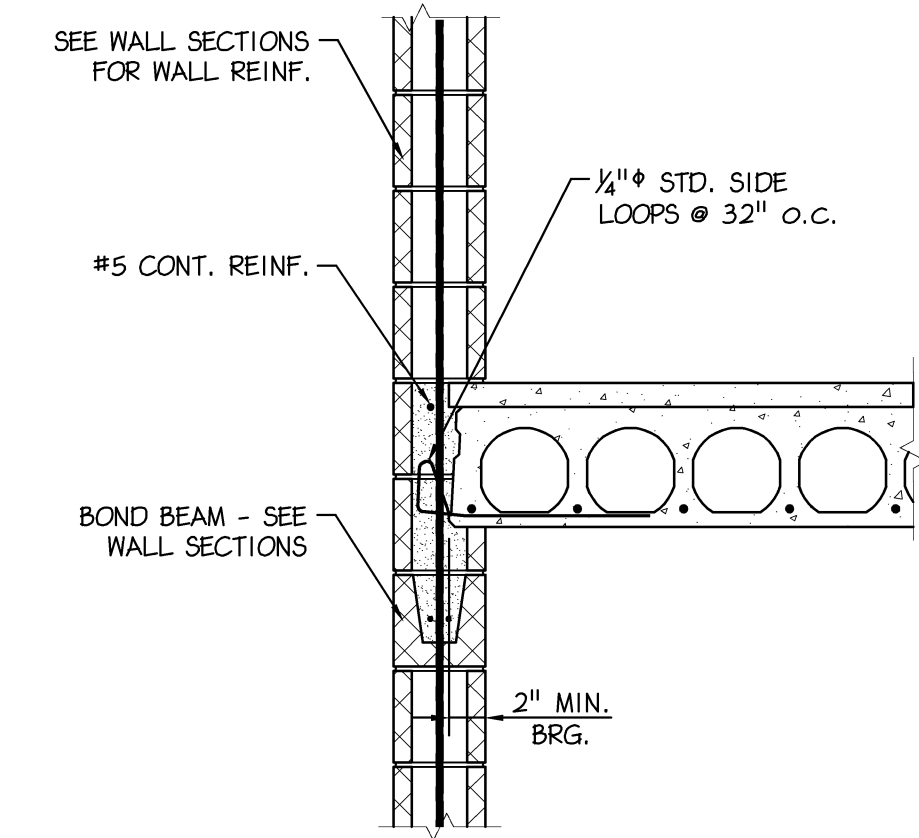
- MASONRY CONSTRUCTION SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" (ACI 530) AND "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF LOAD-BEARING CONCRETE MASONRY" (N.C.M.A.)
- MASONRY MATERIALS:
CONCRETE MASONRY UNITS
MORTAR - TYPE M OR S
GROUT
ASTM C90, TYPE I
MIN. COMP. STRENGTH = 1500 PSI
MIN. COMP. STRENGTH = 2500 PSI
ASTM C476
MIN. COMP. STRENGTH = 3000 PSI
- REINFORCING MATERIALS:
REINFORCING BARS
JOINT REINFORCING
UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE FOLLOWING MINIMUM REINFORCING SHALL BE USED. ALL CORES WITH REINFORCING SHALL BE GROUTED SOLID.
BENEATH BEAMS
BENEATH STEEL OR CONCRETE LINTELS
INTERIOR NON-LOADBEARING WALLS
ASTM A615, GRADE 60, DEFORMED
ASTM A 951, 0.148" RODS MIN.
ASTM A 36, Fy=36,000 PSI
ASTM A 500, Fy=46,000 PSI
ASTM A 501, Fy=46,000 PSI
ASTM A 53, TYPE E OR S
Fy=36,000 PSI
- MASONRY WALLS SHALL BE ANCHORED TO ALL FLOORS AND ROOFS WHICH PROVIDE LATERAL SUPPORT FOR THE WALLS.
- BOND BEAMS WITH HORIZONTAL REINFORCEMENT NOT LESS THAN (2) #5 REBAR SHALL BE PROVIDED CONTINUOUSLY AT STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS, AT THE TOP OF WALLS, AT THE BOTTOM OF WALLS OR IN THE TOP OF THE FOUNDATION WHEN DOWNING INTO THE WALL.
- AT INTERSECTING WALLS PROVIDE CONTINUITY IN JOINT REINFORCING USING PRE-FABRICATED 'L' AND 'T' SECTIONS. AT ABUTTING WALLS USE RIGID METAL ANCHORS NOT MORE THAN 24" O.C.

STRUCTURAL STEEL NOTES

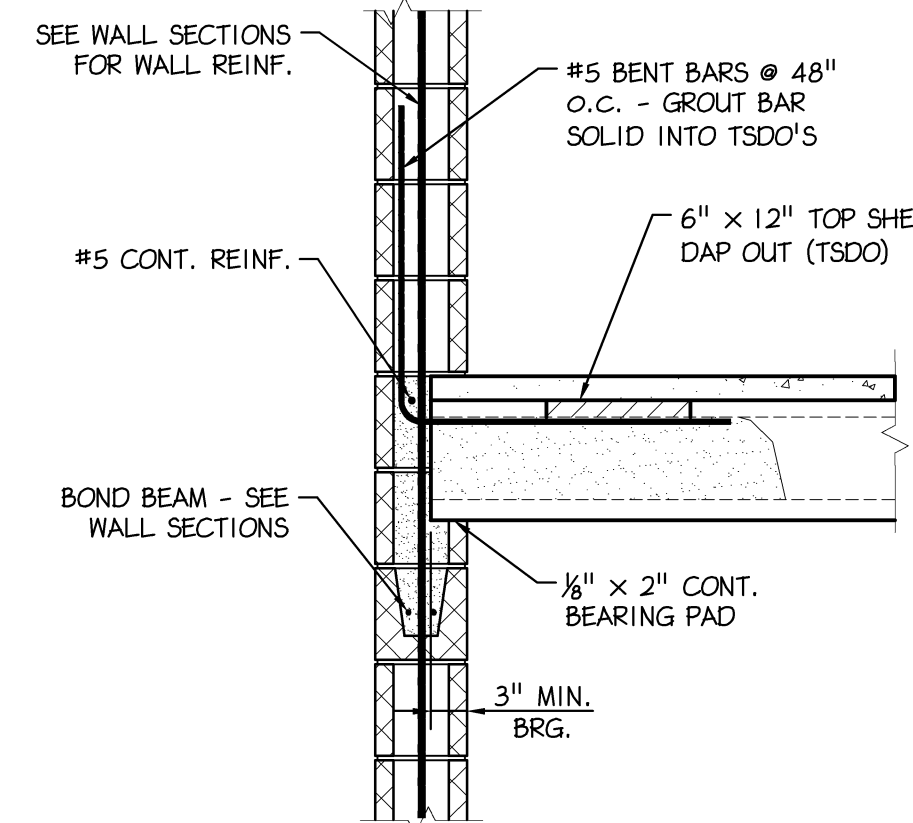
- STRUCTURAL STEEL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISC'S 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES' AND 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN', LATEST EDITION.
- STEEL MATERIALS
W-SHAPES: ASTM A 992, Fy=50,000 PSI
CHANNELS: ASTM A 36, Fy=36,000 PSI
PLATE AND BAR: ASTM A 36, Fy=36,000 PSI
COLD-FORMED HOLLOW STRUCTURAL SECTIONS: ASTM A 500, GRADE B, Fy=46,000 PSI
HOT-FORMED HOLLOW STRUCTURAL SECTIONS: ASTM A 501, Fy=46,000 PSI
STEEL PIPE: ASTM A 53, TYPE E OR S, Fy=36,000 PSI
- CONNECTOR MATERIALS:
BOLTS: ASTM F1552, TYPE 1, TENSION CONTROL HIGH STRENGTH BOLT-NUT-WASHER ASSEMBLY WITH HEX OR ROUND HEADS AND SPLINED ENDS. COMPLY WITH AAS REQUIREMENT 5000 PSI.
WELDING ELECTRODES: UNHEADED ANCHOR RODS: ASTM F1554, GRADE 36, Fy=36,000 PSI
- BEAM-TO-BEAM AND BEAM-TO-COLUMN CONNECTIONS SHALL BE AISC STANDARD FULL DEPTH CONNECTIONS, UNLESS NOTED OTHERWISE. WHERE REACTIONS ARE INDICATED ON THE DRAWINGS, THE CONNECTION SHALL BE PROVIDED BY THE FABRICATOR. DETAILS AND CALCULATIONS, PREPARED BY A LICENSED ENGINEER, SHALL BE PART OF THE SHOP DRAWING SUBMISSION.
- ALL CONNECTIONS SHALL BE HIGH-STRENGTH FRICTION BOLTS OR WELDS OF EQUAL STRENGTH. ANCHOR BOLTS AND FIELD CONNECTIONS OF GIRTS FOR SHEAR SHALL BE UNFINISHED BOLTS.
- ELEVATION OF TOP OF STEEL MEMBERS ARE NOTED (+ -).
- STEEL JOISTS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH LATEST AISC AND SJI SPECIFICATIONS.
- JOIST BRIDGING SHALL BE DESIGNED AND INSTALLED ACCORDING TO THE LATEST SJI SPECIFICATIONS. BRIDGING SHALL NOT BE MODIFIED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
- METAL DECKING SHALL BE INSTALLED IN 3 SPAN CONDITIONS MINIMUM.

PRECAST CONCRETE PLANK NOTES

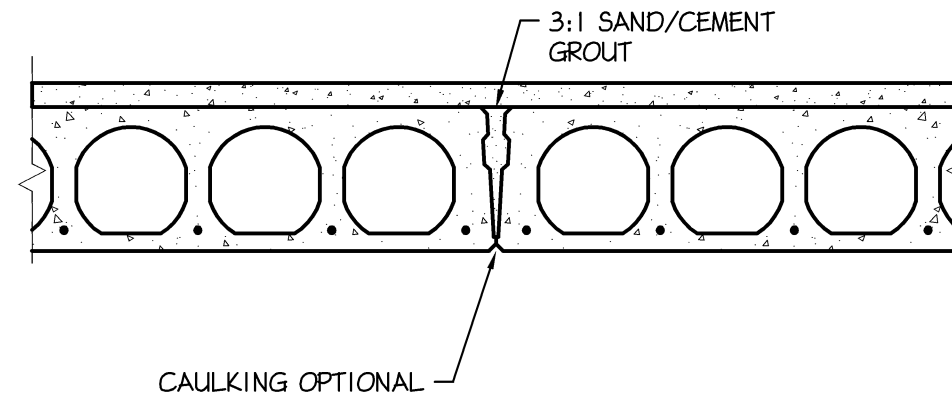
- PRECAST CONCRETE PLANK SHALL BE IN COMPLIANCE WITH "PRESTRESSED CONCRETE INSTITUTE DESIGN MANUAL" LATEST EDITION
- SEE CONCRETE NOTES ON SHEET S-5 FOR CONCRETE MATERIAL REQUIREMENTS
28-DAY COMP. STRENGTH: 5000 PSI
RELEASE STRENGTH: 3000 PSI
- CONCRETE PLANK MATERIAL REQUIREMENTS:
UNCOATED, 7-WIRE STRAND: ASTM A416, GRADE 270 KSI
CONCRETE TOPPING: 1/2" MIN. THICKNESS, 3000 PSI
CEMENT GROUT: ASTM C150, I
CEMENT GROUT: 3000 PSI
- SLABS SHALL BE PRESTRESSED, HOLLOW CORE, MACHINE CAST IN AN ENCLOSED FACTORY WITH CLOSELY CONTROLLED MIXING, CASTING AND CURING CONDITIONS. SLAB SHALL BE MANUFACTURED IN NOMINAL WIDTHS OF FOUR (4'-0") FEET, WITH SPECIAL WIDTH FILLER SLABS, AS REQ'D
- MANUFACTURING PROCEDURES SHALL BE IN ACCORDANCE WITH PCI MNL-116
- MANUFACTURER SHALL CAST ANY SLAB OPENINGS WITH A MINIMUM OPENING OF TEN (10") IN ANY DIRECTION
- DO NOT CUT FIELD JOISTS IN SLAB WITHOUT THE EXPRESS CONSENT OF THE ENGINEER OF RECORD OR PLANK MANUFACTURER.
- MEMBERS SHALL BE LIFTED AT POINTS AS PER THE MANUFACTURER AND SET ON BEARING STRIPS. WHERE BEARINGS ON STEEL, CURBED PLATES SHALL BE PROVIDED AND WELDED TO THE STRUCTURAL STEEL SUPPORTS.
- FURNISH AND INSTALL GROUT FILL AT BUTT ENDS, ENDS AND SIDES OF HOLLOW CORE SLABS FOR THE DEPTH OF THE SLABS ONLY.
- SUPPLEMENTAL ANCHORAGE OF OTHER TRACES MAY BE PERFORMED THROUGH "DRILLING OR SHOOTING" INTO THE CONCRETE PROVIDED NO CONTACT IS MADE WITH THE PRESTRESSING STRANDS. SHOULD SPALLING OCCUR, IT SHALL BE REPAIRED BY THE TRADE DOING THE DRILLING OR SHOOTING



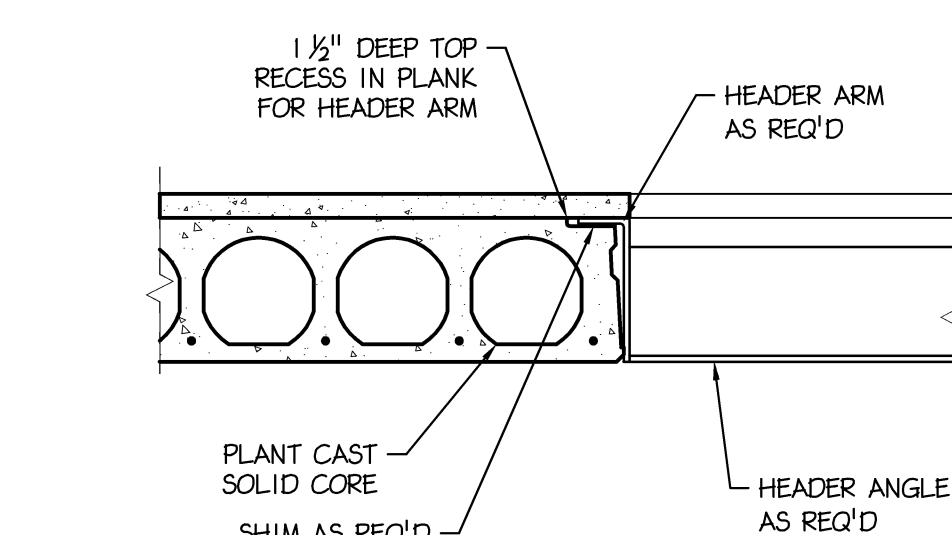
7 TYP. PLANK SIDE BEARING DETAIL
S-6 Scale: 3/4" = 1'-0" @ ELEVATOR & STAIR TOWERS



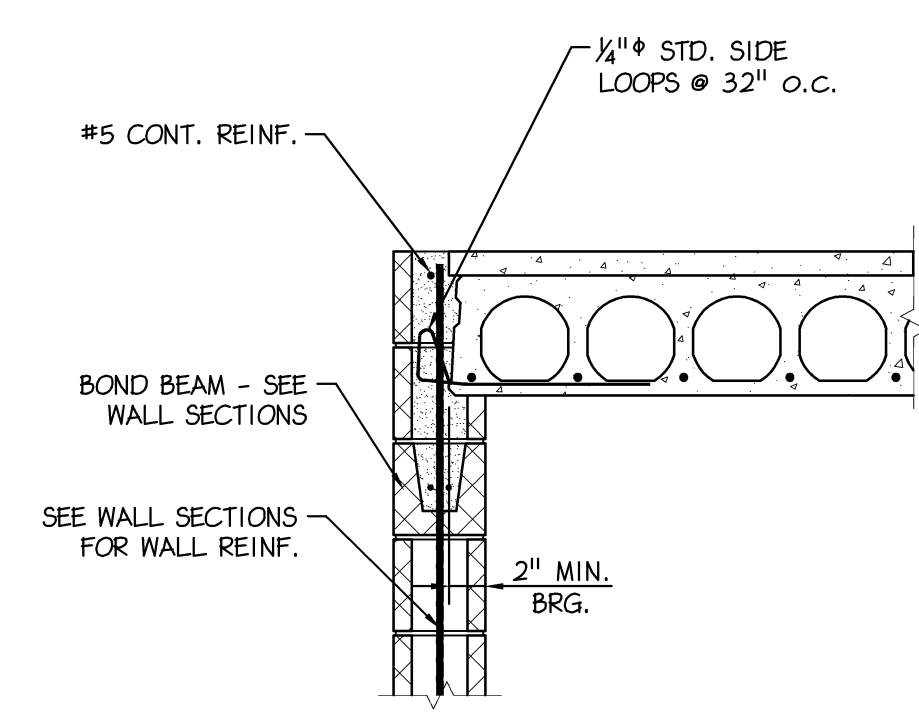
8 TYP. PLANK END BEARING DETAIL
S-6 Scale: 3/4" = 1'-0" @ ELEVATOR & STAIR TOWERS



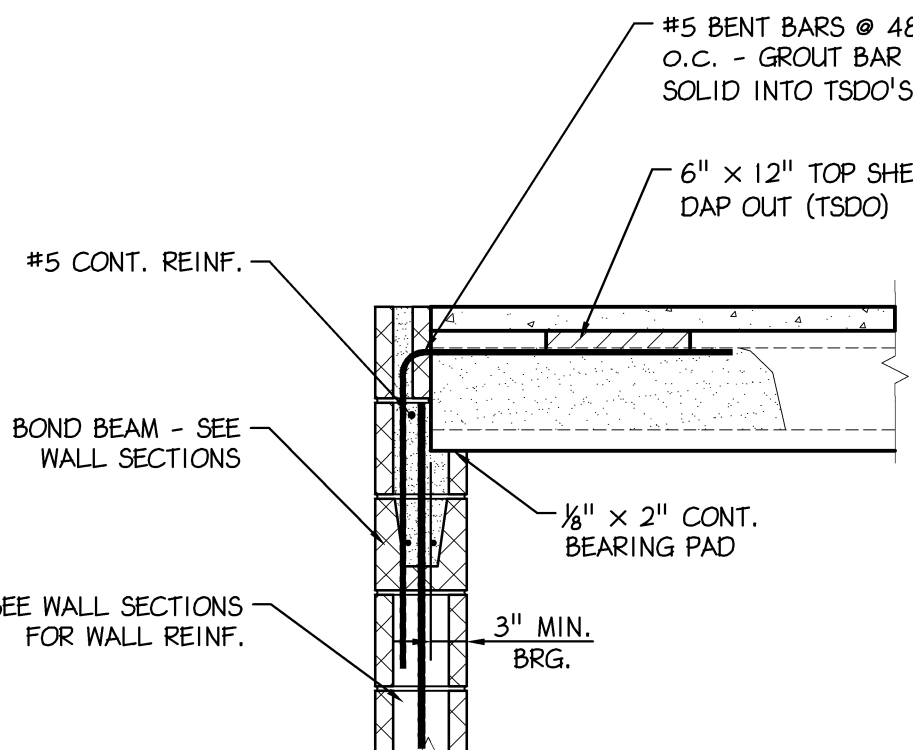
11 TYP. PLANK GROUT KEY
S-6 Scale: 3/4" = 1'-0"



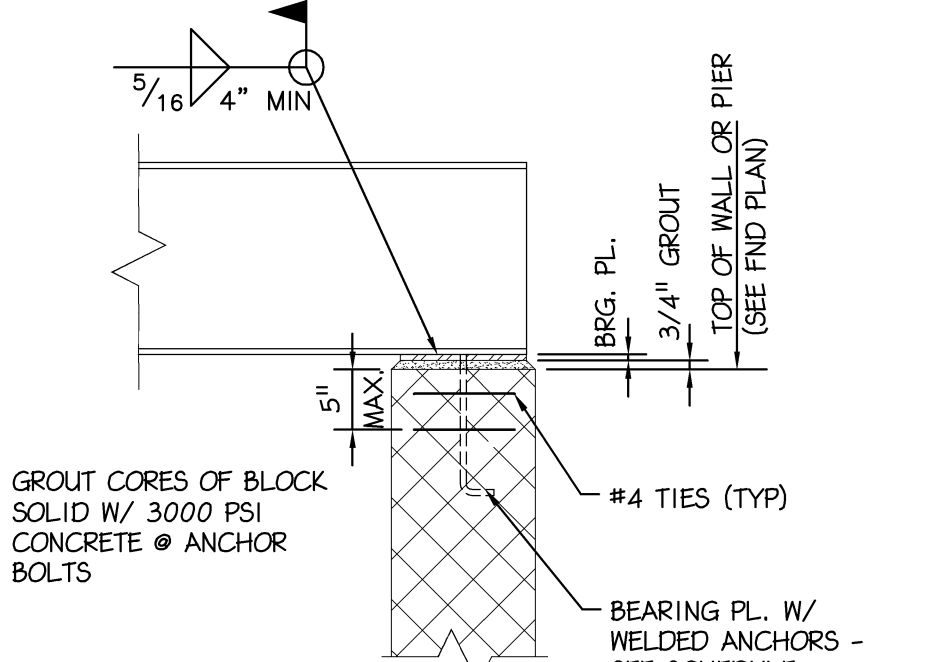
12 TYP. PLANK RECESSED HEADER ARM
S-6 Scale: 3/4" = 1'-0"



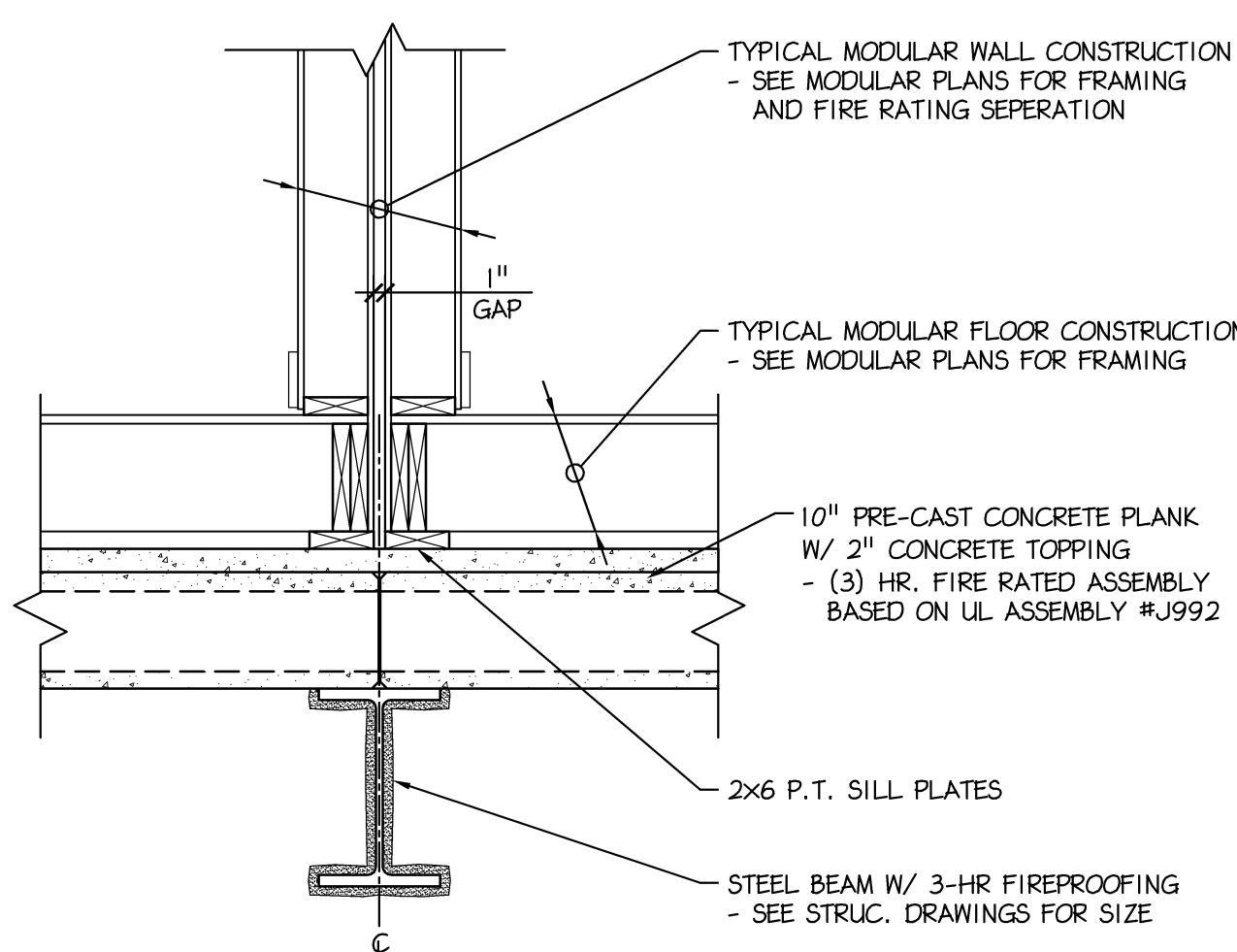
9 TYP. PLANK SIDE BEARING DETAIL
S-6 Scale: 3/4" = 1'-0" @ EXTERIOR WALLS



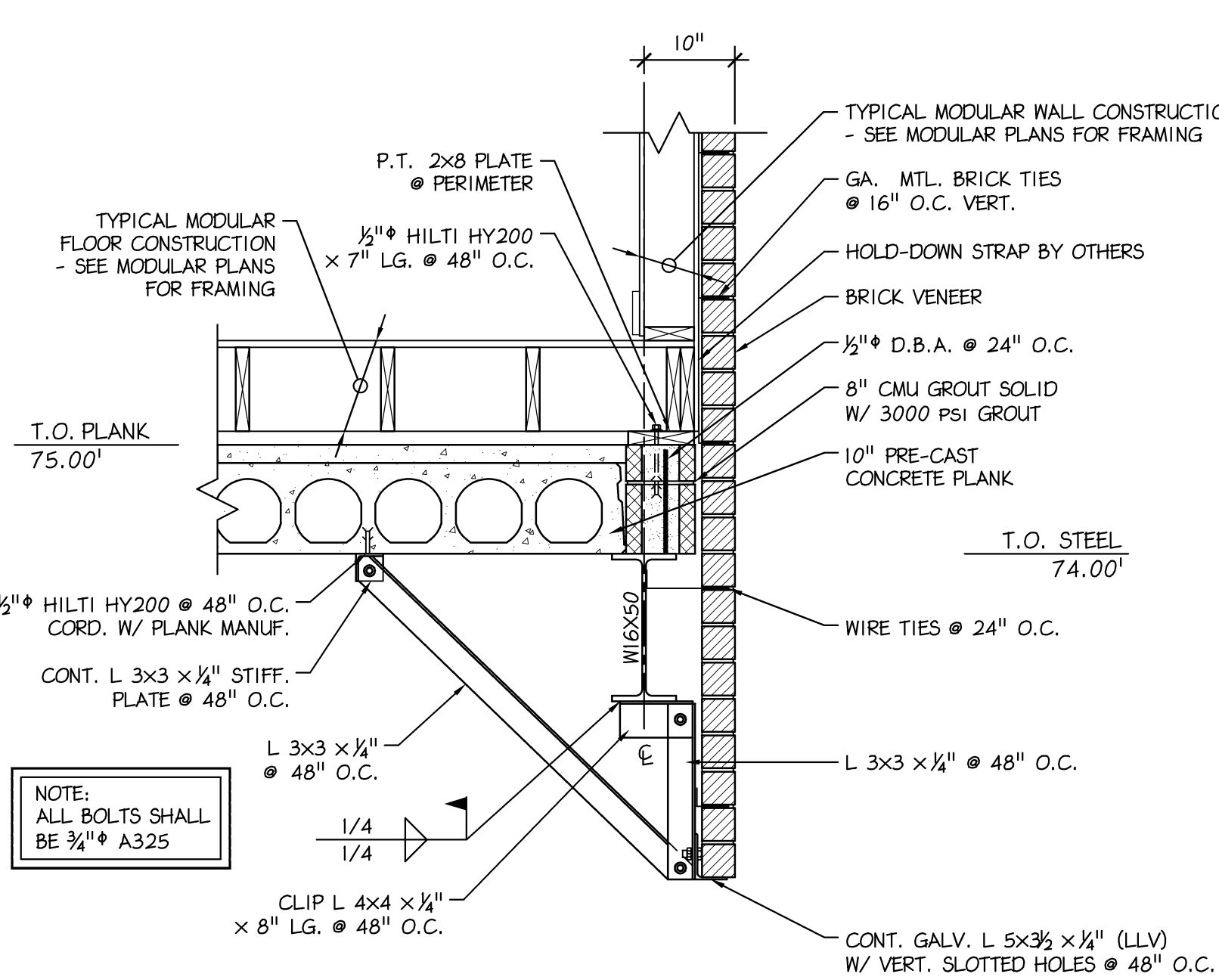
10 TYP. PLANK END BEARING DETAIL
S-6 Scale: 3/4" = 1'-0" @ EXTERIOR WALLS



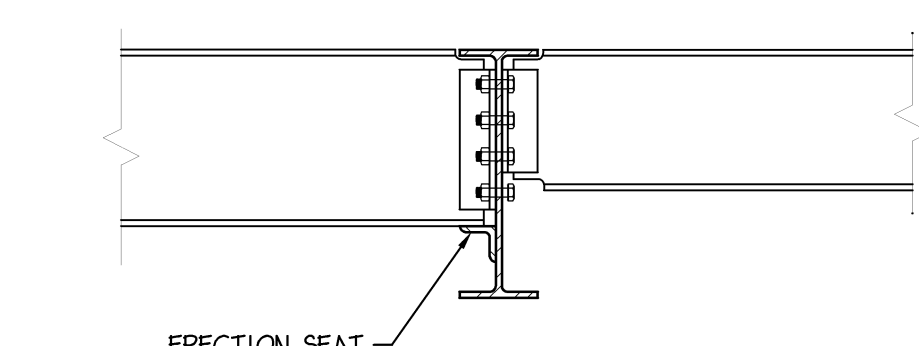
13 TYP. BEAM BEARING
S-6 Scale: 3/4" = 1'-0"



15 TYP. PLANK AT STEEL BEARING
S-6 Scale: 3/4" = 1'-0"

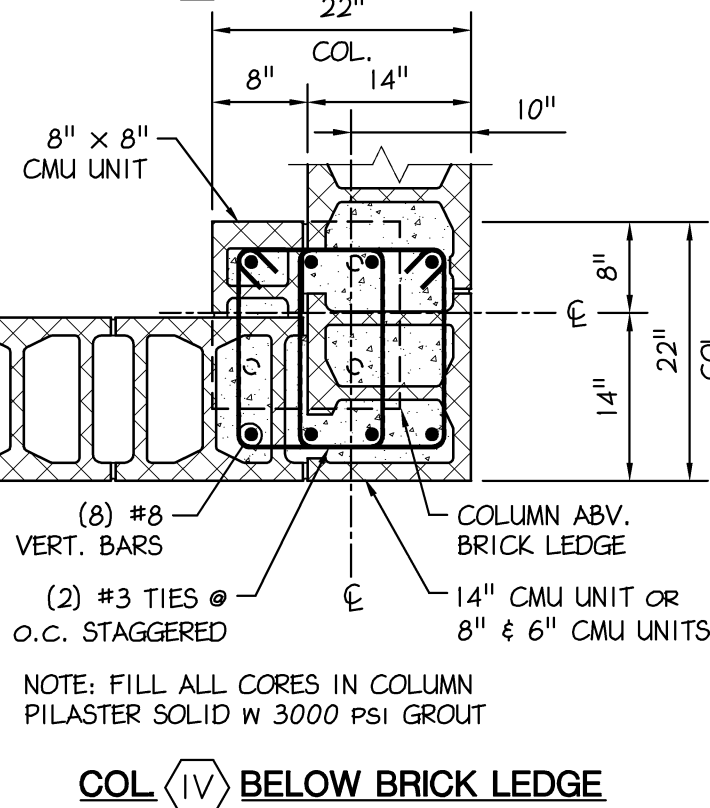
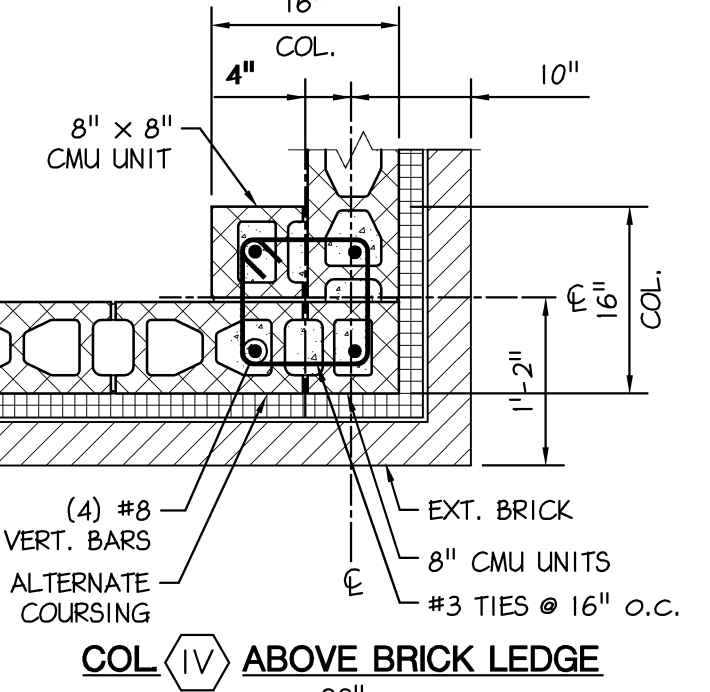


16 TYP. BRICK SUPPORT • STORE FRONTS
S-6 Scale: 3/4" = 1'-0"



14 TYP. OSHA ERECTION SEAT
S-6 Scale: 3/4" = 1'-0" BEAMS TO GIRDER

15 COLUMN TYPE II DETAIL
S-6 Scale: 3/4" = 1'-0"



17 COLUMN TYPE IV DETAIL
S-6 Scale: 3/4" = 1'-0"

16 COLUMN TYPE III DETAIL
S-6 Scale: 3/4" = 1'-0"

WALL THICKNESS	CLEAR SPAN			
	4'-0" OR LESS	4'-1" TO 6'-0"	6'-1" TO 8'-0"	8'-1" TO 10'-0"
4" CMU	L 3 1/2 x 3 1/2 x 3/8"	L 4 x 3 1/2 x 3/8" (LLV)	L 5 x 3 1/2 x 3/8" (LLV)	L 5 x 3 1/2 x 3/8" (LLV)
6" CMU	(2) L 3 1/2 x 2 1/2 x 3/8" (LLV) -OR- WT7x11	(2) L 3 1/2 x 2 1/2 x 3/8" (LLV) -OR- WT7x11	(2) L 3 1/2 x 2 1/2 x 3/8" (LLV) -OR- WT7x11	WT7x11
8" CMU	(2) L 3 1/2 x 3 1/2 x 3/8" (LLV) -OR- WT7x15	(2) L 3 1/2 x 3 1/2 x 3/8" (LLV) -OR- WT7x15	(2) L 5 x 3 1/2 x 3/8" (LLV) -OR- WT7x15	WB8x10 w/ 1/4" x 7" PL.
12" CMU	(3) L 4 x 3 1/2 x 3/8" (LLV) -OR- WB8x10 w/ 1/4" x 11" PL.	(3) L 4 x 3 1/2 x 3/8" (LLV) -OR- WB8x10 w/ 1/4" x 11" PL.	(3) L 5 x 3 1/2 x 3/8" (LLV) -OR- WB8x10 w/ 1/4" x 11" PL.	WB8x10 w/ 1/4" x 11" PL.

- NOTES:
1. LINTEL SIZES SHALL BE AS NOTED ABOVE. LINTELS SHALL BE GALVANIZED FOR EXTERIOR EXPOSURE AS REQ'D.
2. LENGTH OF LINTEL TO BE FULL OPENING AND A MINIMUM OF 8" BEARING ON EACH END.

LINTEL SCHEDULE		
L-1	WB8x15 w/ PL. 11" x 3/8" THK.	
L-2	WB8x15 w/ PL. 7" x 3/8" THK.	
L-3	WB8x15 w/ PL. 7" x 3/8" THK.	
L-4	WB8x10 w/ PL. 11" x 3/8" THK.	
L-5	WB8x10 w/ PL. 7" x 3/8" THK.	
L-6	WB8x10 w/ PL. 7" x 3/8" THK.	

- NOTES:
1. LINTEL SIZES SHALL BE AS NOTED ABOVE. LINTELS SH BE GALVANIZED FOR EXTERIOR EXPOSURE AS REQ'D.
2. LENGTH OF LINTEL TO BE FULL OPENING AND A MINIMUM OF 8" BEARING ON EACH END.
3. LINTEL SHALL BEAR ON CMU CORES GROUTED FULL HEIGHT W/ (1) #5 VERT. REBAR

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APPROVED BY: **Robbin J. Kohn, AIA**
CURRENT DATE: **January 22, 2016**

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SHEET TITLE
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