

FIRE RATING6 - PARTY WALL TRUSS SPACE (OBC REF. - SB-23)			
COMPONENT	FIRE RATING	CODE REFERENCE	RATING
5/8" (15.9mm) TYPE X GYPSUM WALL BOARD	40 min.	OBC, SB-23.4(2) (TABLE 23.4.A)	
WOOD TRUSSES	NO RATING ASSIGNED		
5/8" (15.9mm) TYPE X GYPSUM WALL BOARD	40 min.	OBC, SB-23.4(2) (TABLE 23.4.A)	
TOTAL FIRE RATING	80 min.	OBC, SB-23.4(1)	

FIRE & SOUND RATINGS - PARTY WALL			
M3C	MALL TYPE	CODE REFERENCE	RATING
		OBC, SB-3	54 STC (10 HR FIR

FILL ANY VOID TO UNDERSIDE OF ROOF DECK AND TOP OF WALL WITH MINERAL WOOL. 24" O.C. PROVIDE H-CLIPS @ 12" O.C.

TYPICAL ROOF & EAVES CONSTRUCTION

5/8" TYPE X GYPSUM SHTG ON PREMANUFACTURED ROOF TRUSS ON 16" TYPE X GYPSUM SHTG. PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM SHTG. TAPE JOINTS TO PREVENT SOUND LEAKAGE. ALL DRYWALL EDGES TO BE SUPPORTED

PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM BOARD FIRESTOP. SEPARATELY FASTEN 1 LAYER TO EACH HEADER BEFORE INSTALLATION OF HEADERS

PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM BOARD FIRESTOP. SEPARATELY FASTEN 1 LAYER TO EACH HEADER BEFORE INSTALLATION OF HEADERS

TYPICAL FLOOR CONSTRUCTION

FIRE OUT BOXING FROM FACE OF GYPSUM SHTG TO ENCLOSE ANY MECHANICAL'S

1/2" GYPSUM SHTG

PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM BOARD FIRESTOP. SEPARATELY FASTEN 1 LAYER TO EACH HEADER BEFORE INSTALLATION OF HEADERS

TYPICAL FLOOR CONSTRUCTION

5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

2"X4" CONTINUOUS BASE PLATE

FIRE OUT BOXING FROM FACE OF GYPSUM SHTG TO ENCLOSE ANY MECHANICAL'S

1/2" GYPSUM SHTG

5/8" TYPE X GYPSUM SHTG ON APPROVED AIR BARRIER ON EACH EXTERIOR SIDE OF 2 ROWS OF 2"X4" STUDS @ 16" O.C., 1' APART AND ON SEPARATE WALL. FILL ONE SIDE OF STUD CAVITY WITH AT LEAST 40% OF ABBORPTIVE MATERIAL. PROCEED FROM ROCK SLAB OR GLASS TAPE FILL AND SAND ALL DRYWALL EDGES TO BE SUPPORTED

TYPICAL FLOOR CONSTRUCTION

NOTE: TO HOLD INSULATION PROVIDE 4" WIDE 1/2" GYPSUM SHEATHING OR 4" WIDE 1/4" PLYWOOD SHEATHING @ 24" O.C. VERT. ON EXTERIOR FACE OF STUD (IN AIR SPACE)

2"X4" CONTINUOUS BASE PLATE

5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

2"X4" CONTINUOUS BASE PLATE

5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

2"X4" CONTINUOUS BASE PLATE

5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

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5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

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5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

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2"X4" CONTINUOUS BASE PLATE

5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

2"X4" CONTINUOUS BASE PLATE

5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

2"X4" CONTINUOUS BASE PLATE

5/8" TYPE X GYPSUM SHTG ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE



FRONT ELEVATION 'A' UNIT 1701 REAR ELEVATION 'A'

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE COMPLIANCE

SB-12 (SECTION 3.1.1) TABLE 3.1.1.2A

PACKAGE A1

SPACE HEATING FUEL	
☒ GAS	☐ OIL
☐ ELECTRIC	☐ PROPANE
☐ EARTH	☐ SOLID FUEL

BUILDING COMPONENT

REQUIRED PROPOSED

INSULATION (R1) VALUE

10.56 (R60) 10.56 (R60)

CEILING W/ ATTIC SPACE

5.46 (R31) 5.46 (R31)

CEILING W/O ATTIC SPACE

5.46 (R31) 5.46 (R31)

EXPOSED FLOOR

3.87 (R22) 3.87 (R22)

WALLS ABOVE GRADE

3.52 (R20) 3.52 (R20)

BASEMENT WALLS

3.52 (R20) 3.52 (R20)

* PROPOSED VALUES MAY BE SUBSTITUTED W/ 2.11 + 1.76d (R12+R10d)

1.76 (R10) 1.76 (R10)

EDGE OF BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE

1.76 (R10) 1.76 (R10)

HEATED SLAB OR SLAB ≤ 600mm BELOW GRADE

1.76 (R10) 1.76 (R10)

WINDOWS & DOORS

1.6 1.6

WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE)

2.8 2.8

SKYLIGHTS (MAX U-VALUE)

96% 96%

APPLIANCE EFFICIENCY

75% 75%

SPACE HEATING EQUIP. (AFUE%)

0.8 0.8

HHV EFFICIENCY (%)

0.8 0.8

DHW HEATER (EF)

0.8 0.8

AREA CALCULATIONS

EL. 'A'

GROUND FLOOR AREA

549 sq. ft.

MAIN FLOOR AREA

909 sq. ft.

THIRD FLOOR AREA

1016 sq. ft.

SUBTOTAL

2472 sq. ft.

REDUCT ALL OPENINGS

2472 sq. ft.

TOTAL NET AREA

2472 sq. ft.

COVERAGE

909 sq. ft.

W/O/UT PORCH

84.46 sq. m.

COVERAGE

1123 sq. ft.

W/ PORCH

104.33 sq. m.

WINDOW / WALL AREA

EL. A

CALCULATIONS

STD. PLAN

GROSS WALL AREA

3948 sq. ft.

GROSS WINDOW AREA

296 sq. ft.

INC. GLASS DOORS & SKYLIGHTS

27.50 sq. m.

TOTAL WINDOW %

7.50 %



7. -	-
6. ISSUED FOR FINAL APPROVAL	-
5. REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-
4. REVISED AS PER STRUCTURAL ENGINEER COMMENTS	-
3. COORDINATE AS PER ROOF TRUSSES & FLOOR MANUFACTURE PLANS	-
2. REVISED AS PER CLIENTS COMMENTS	-
1. ISSUED FOR CLIENT REVIEW	-

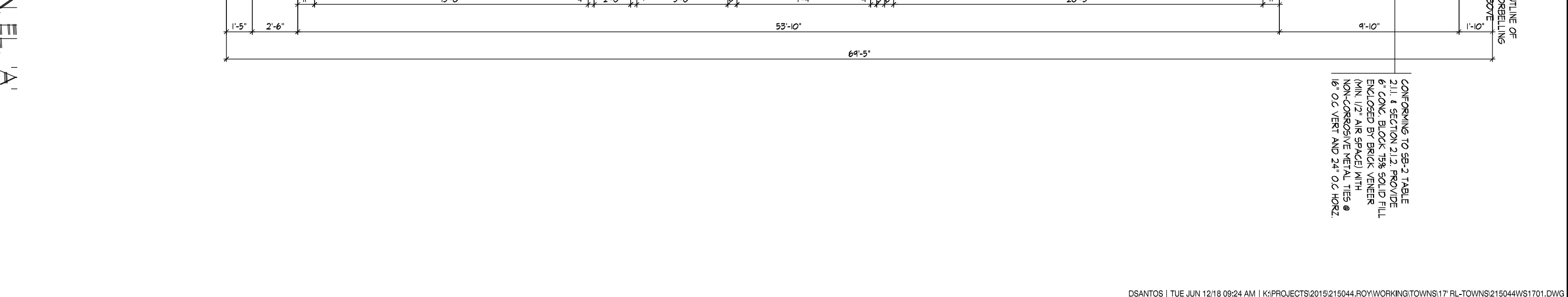
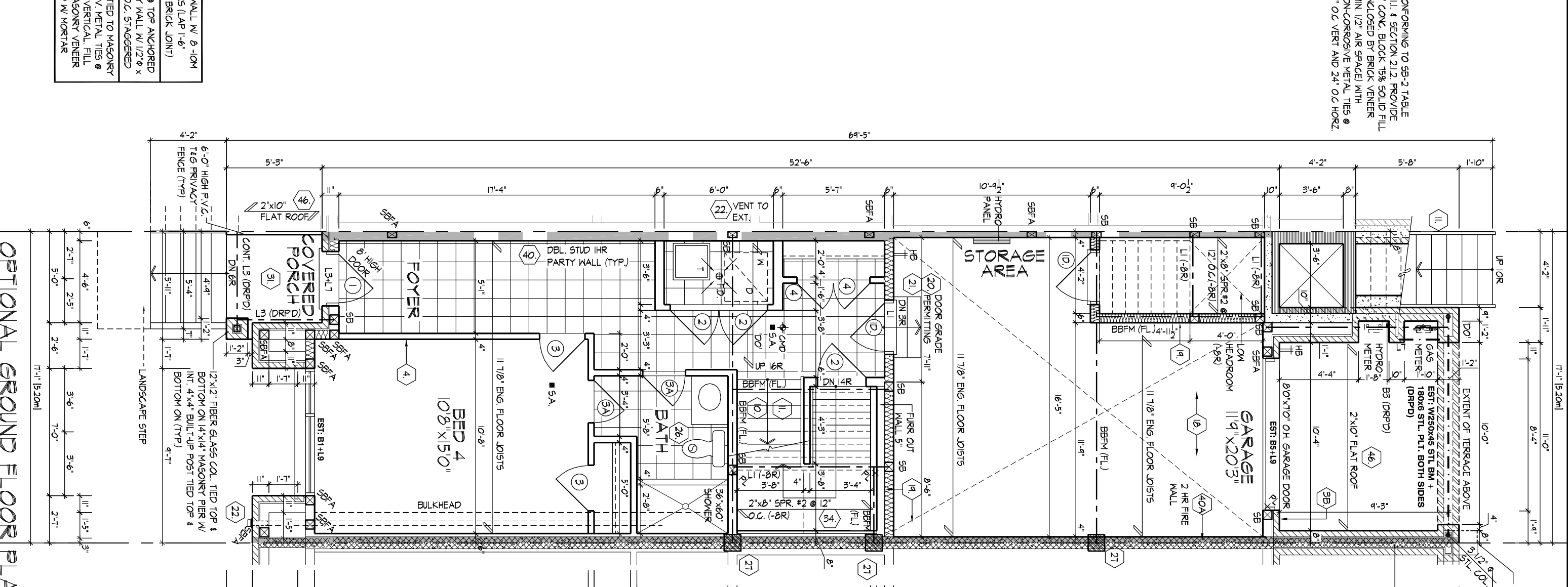
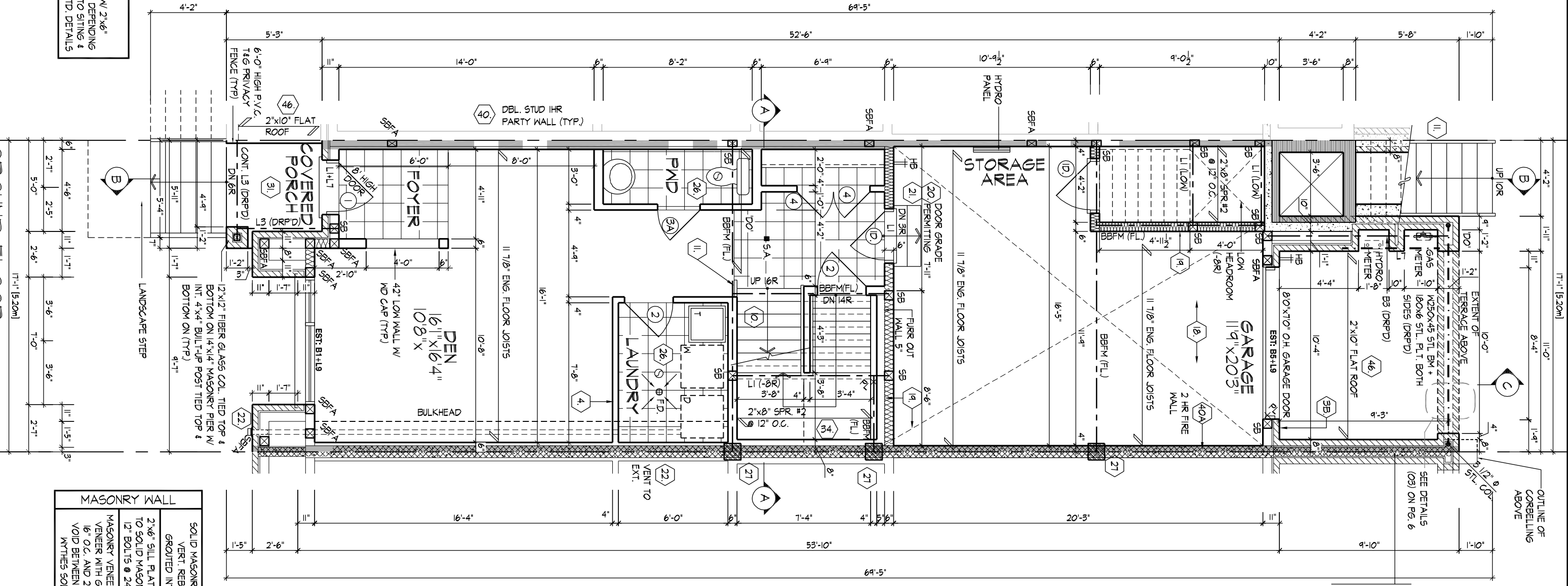
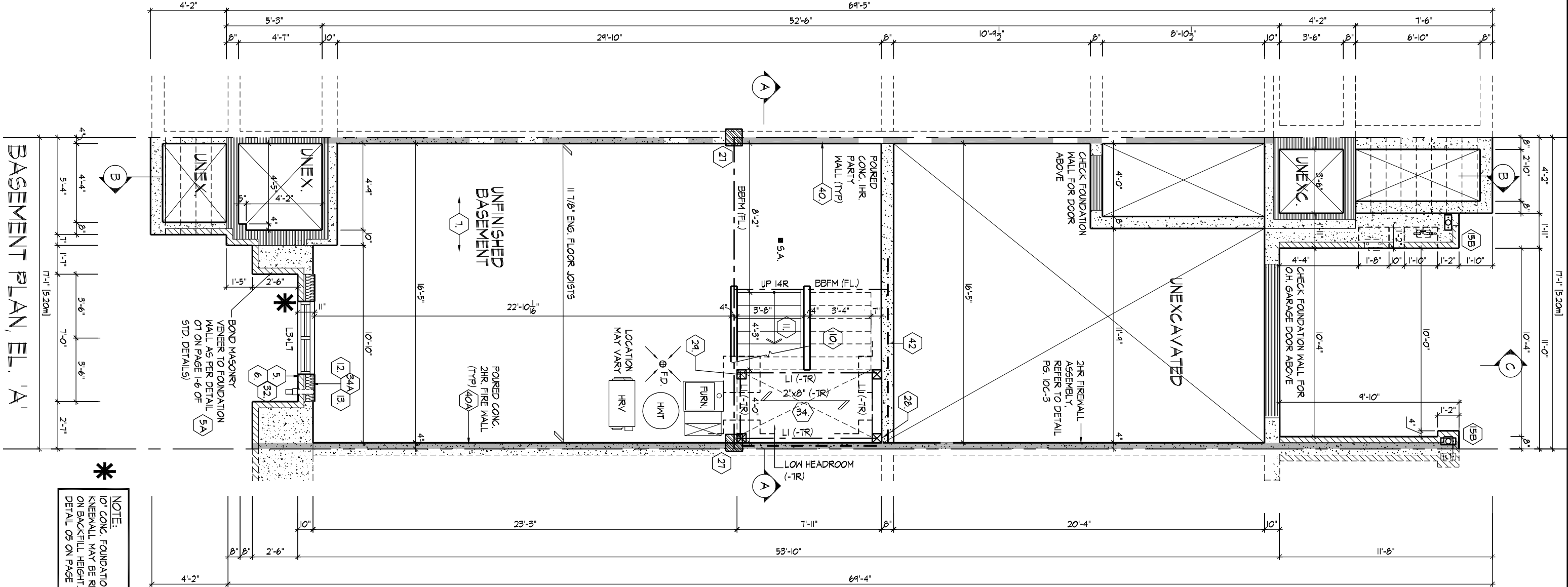
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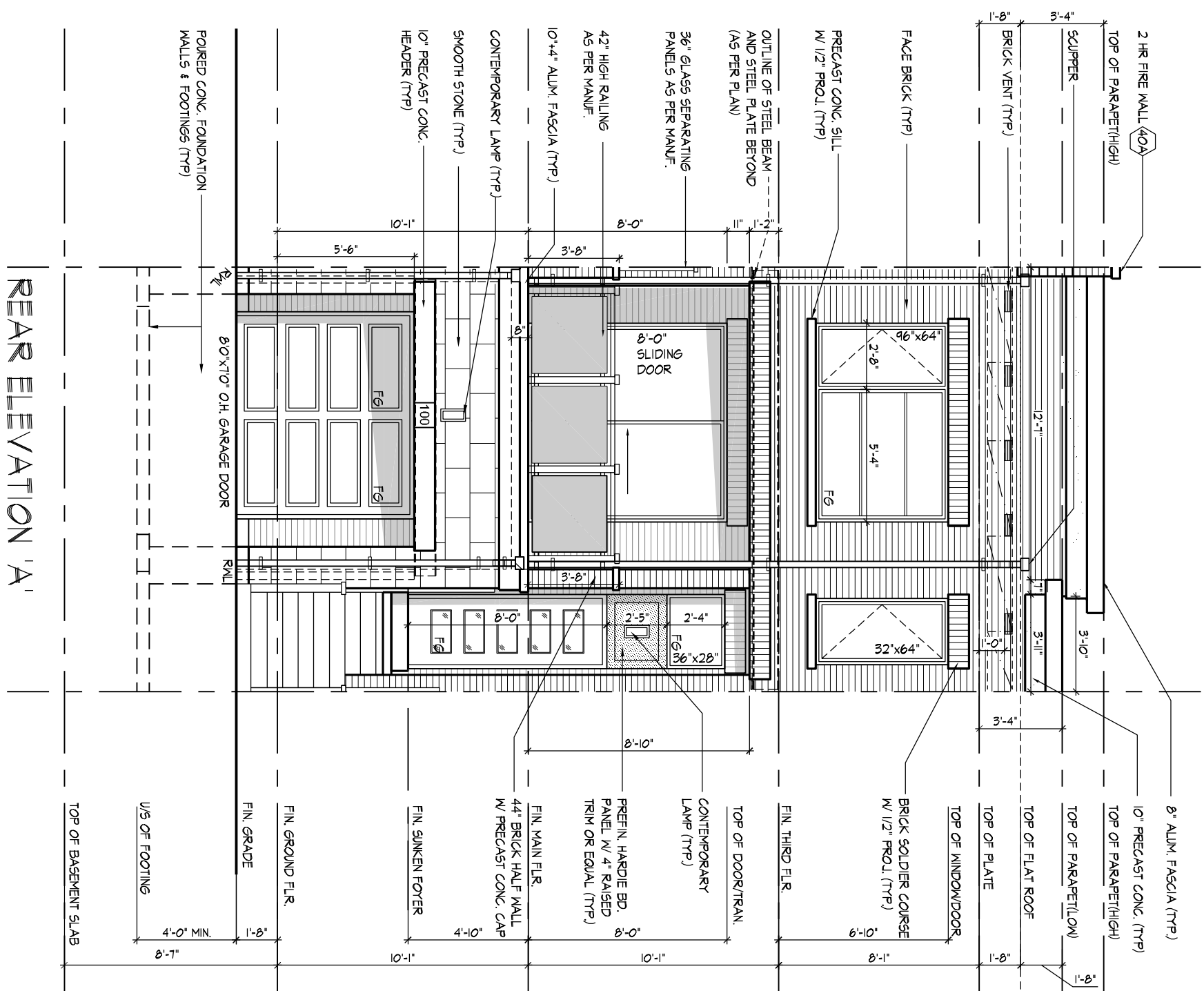
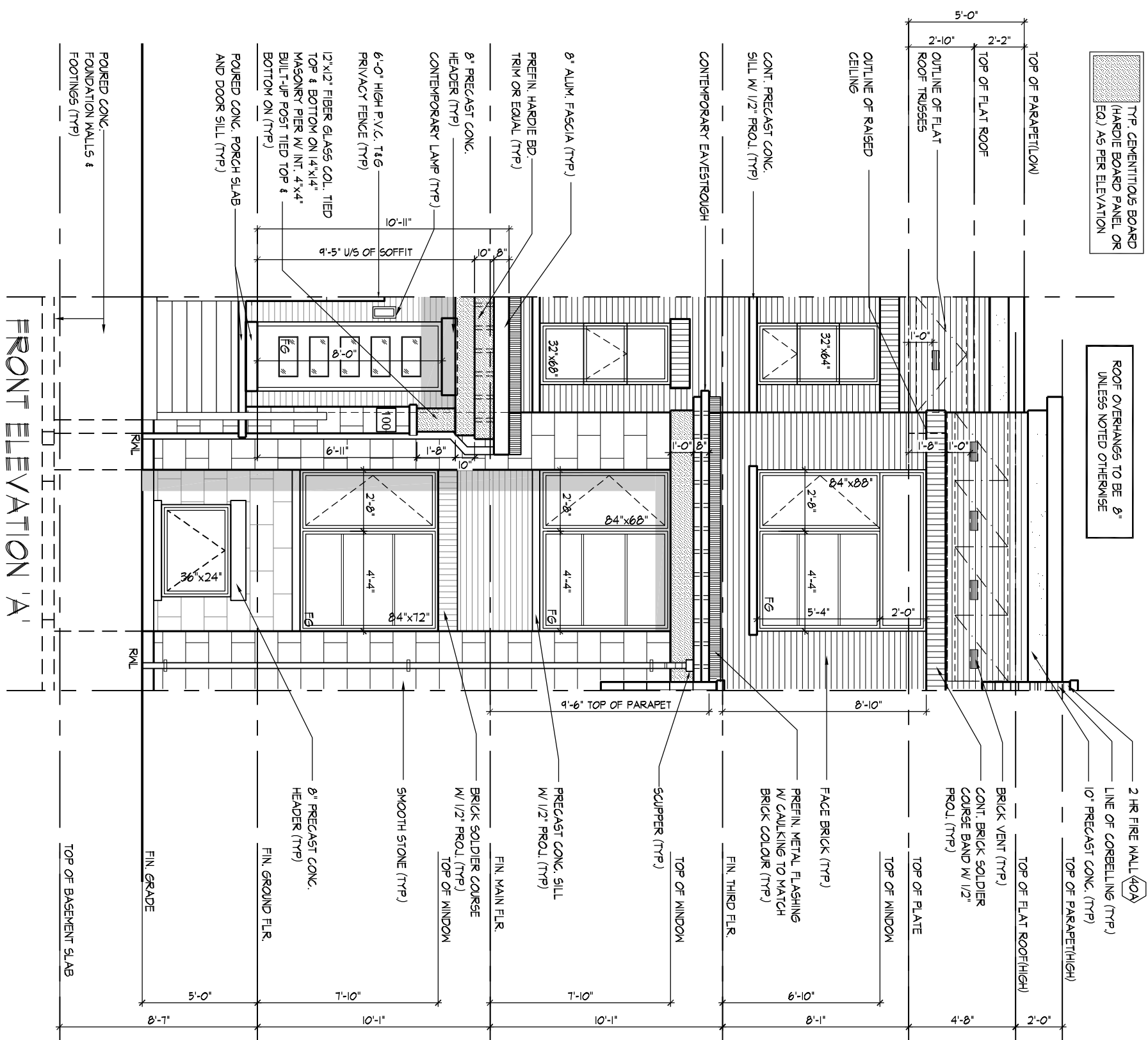
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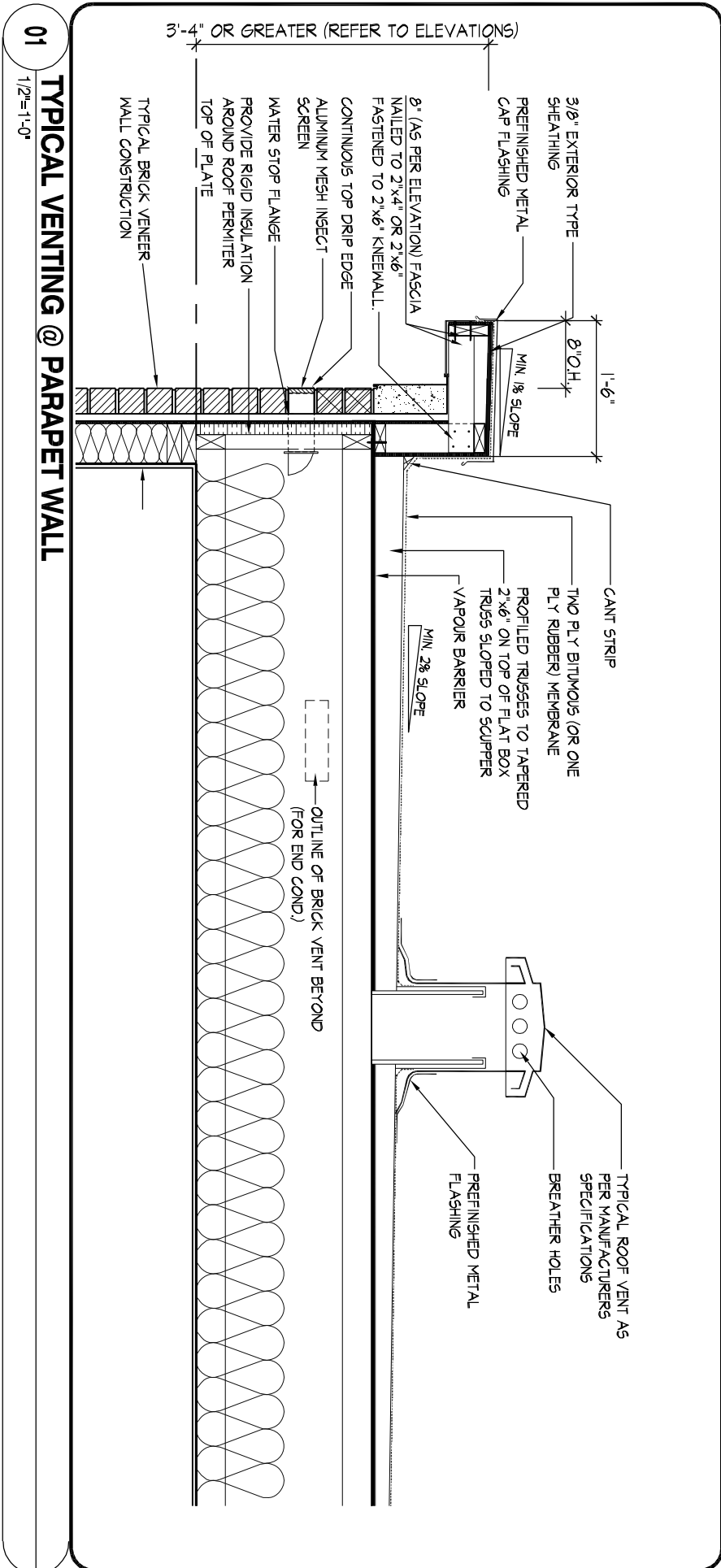
FORESTSIDE ESTATES PH 6, BRAMPTON, ONT.

UNIT 1701

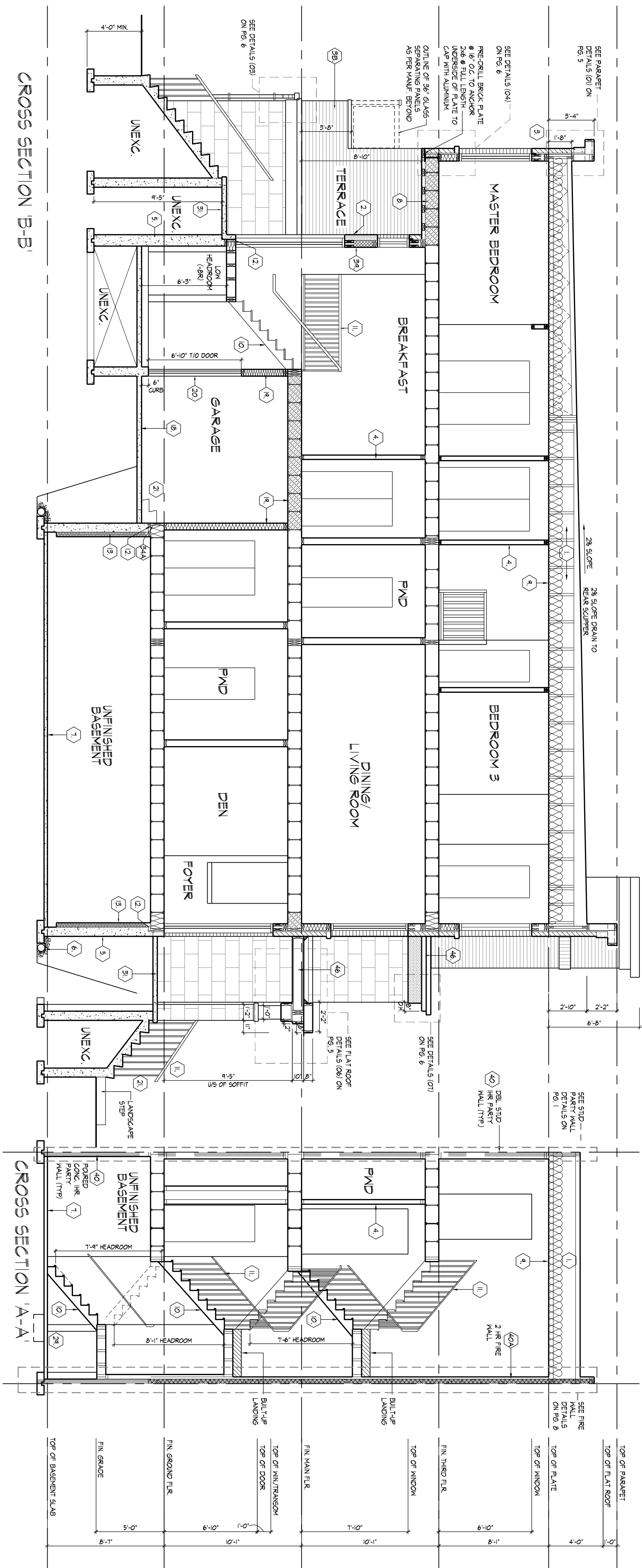
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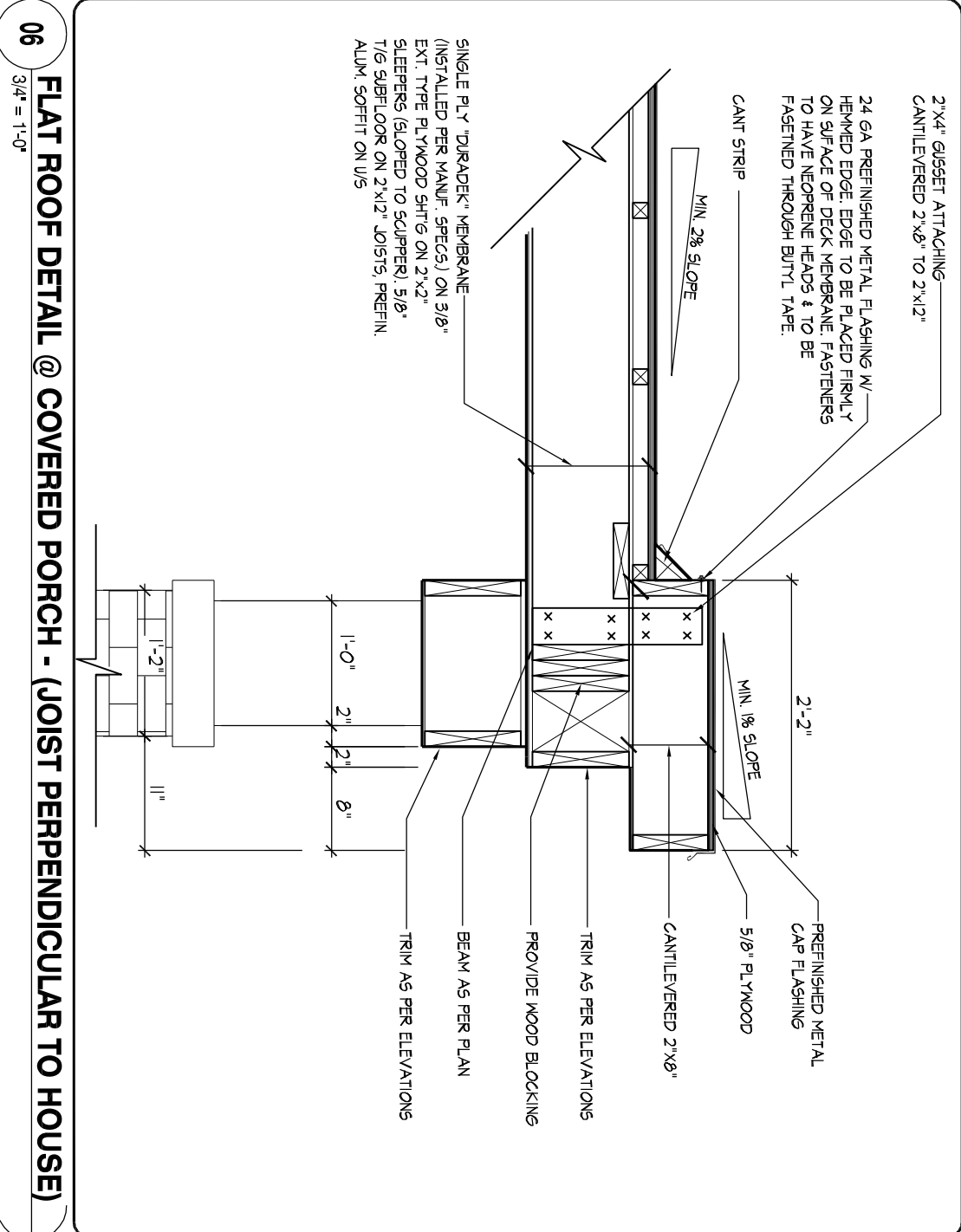


01 TYPICAL VENTING @ PARAPET WALL
1/2"=1'-0"

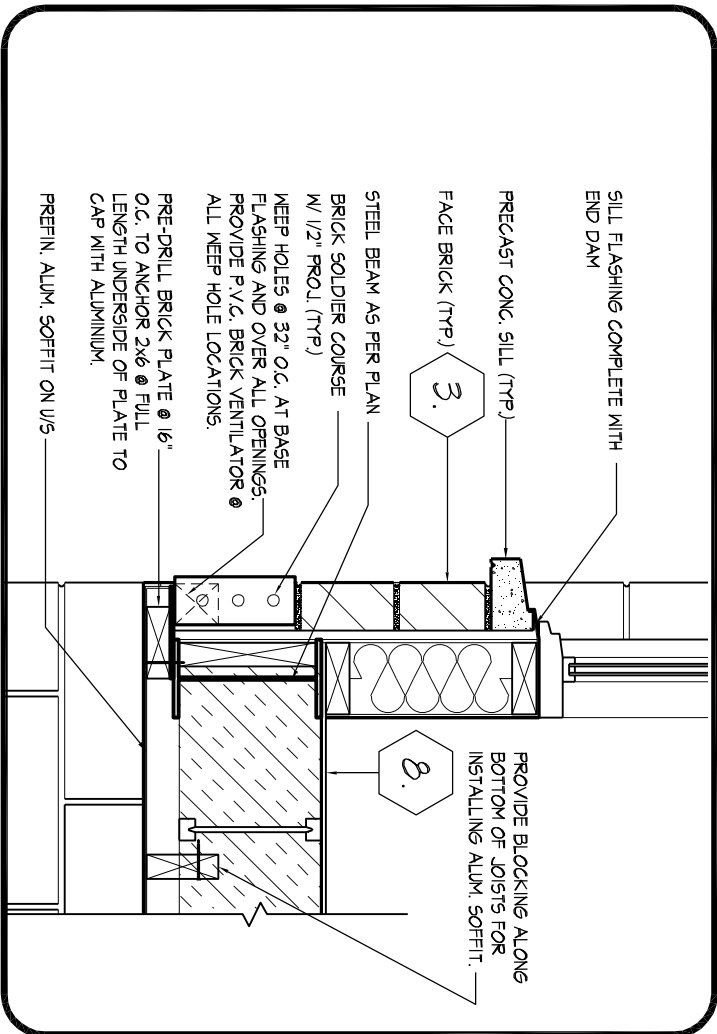


CROSS SECTION B-B

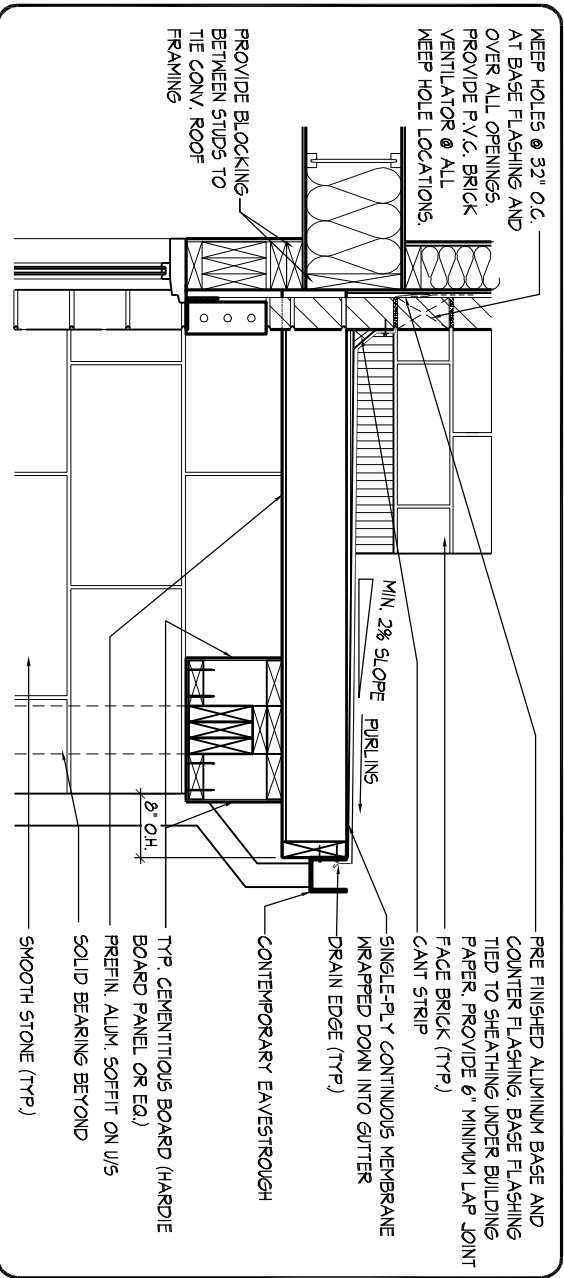
CROSS SECTION 'A-A'



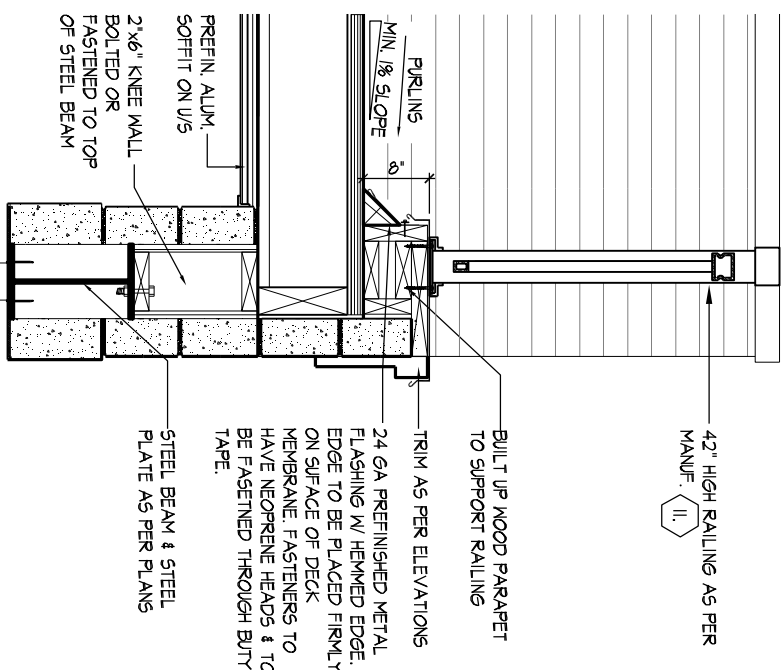
06 **FLAT ROOF DETAIL @ COVERED PORCH - (JOIST PERPENDICULAR TO HOUSE)**
3/4" = 1'-0"



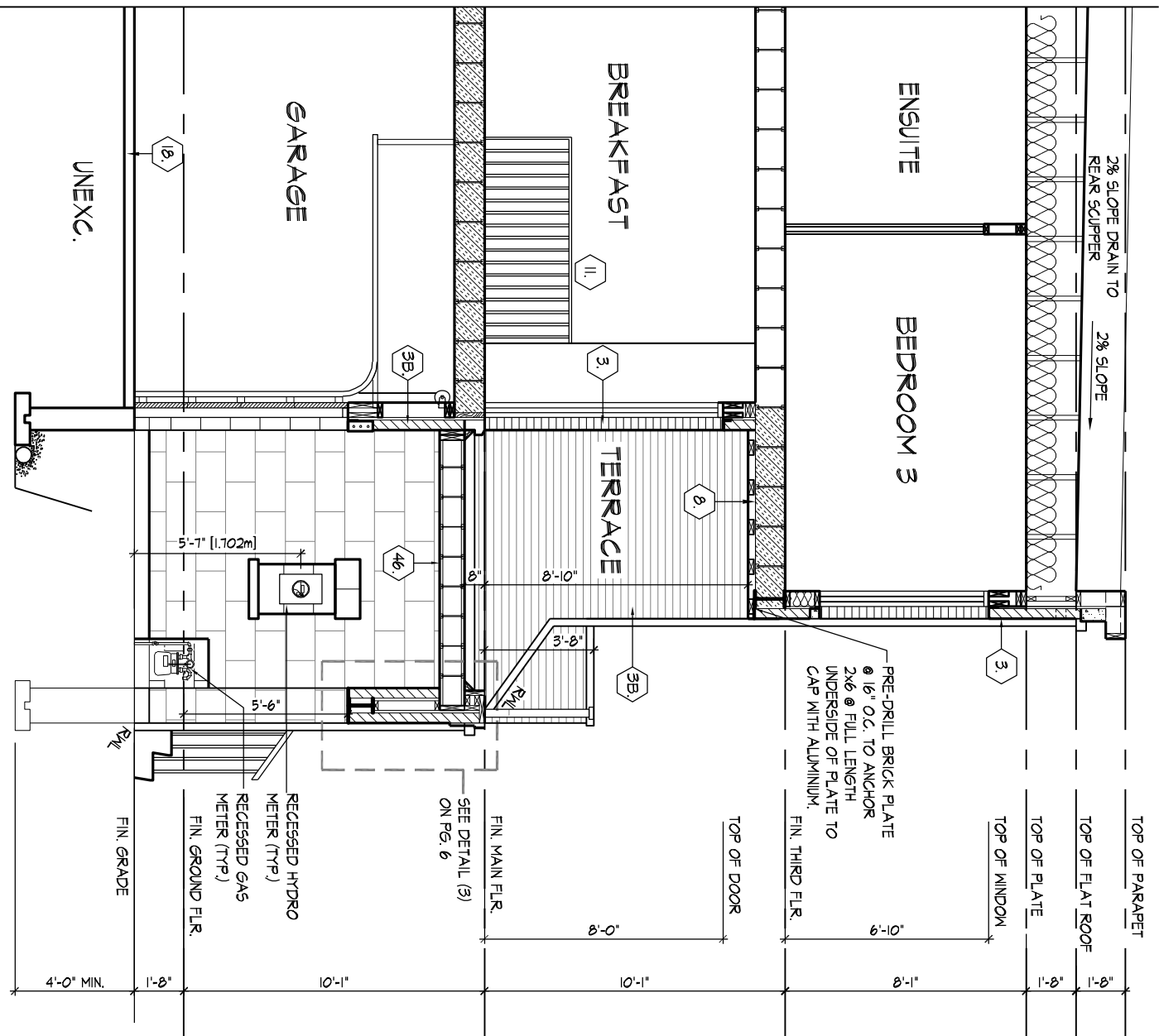
04 STEEL BEAM DETAIL @ TERRACE
3/4"=1'-0"



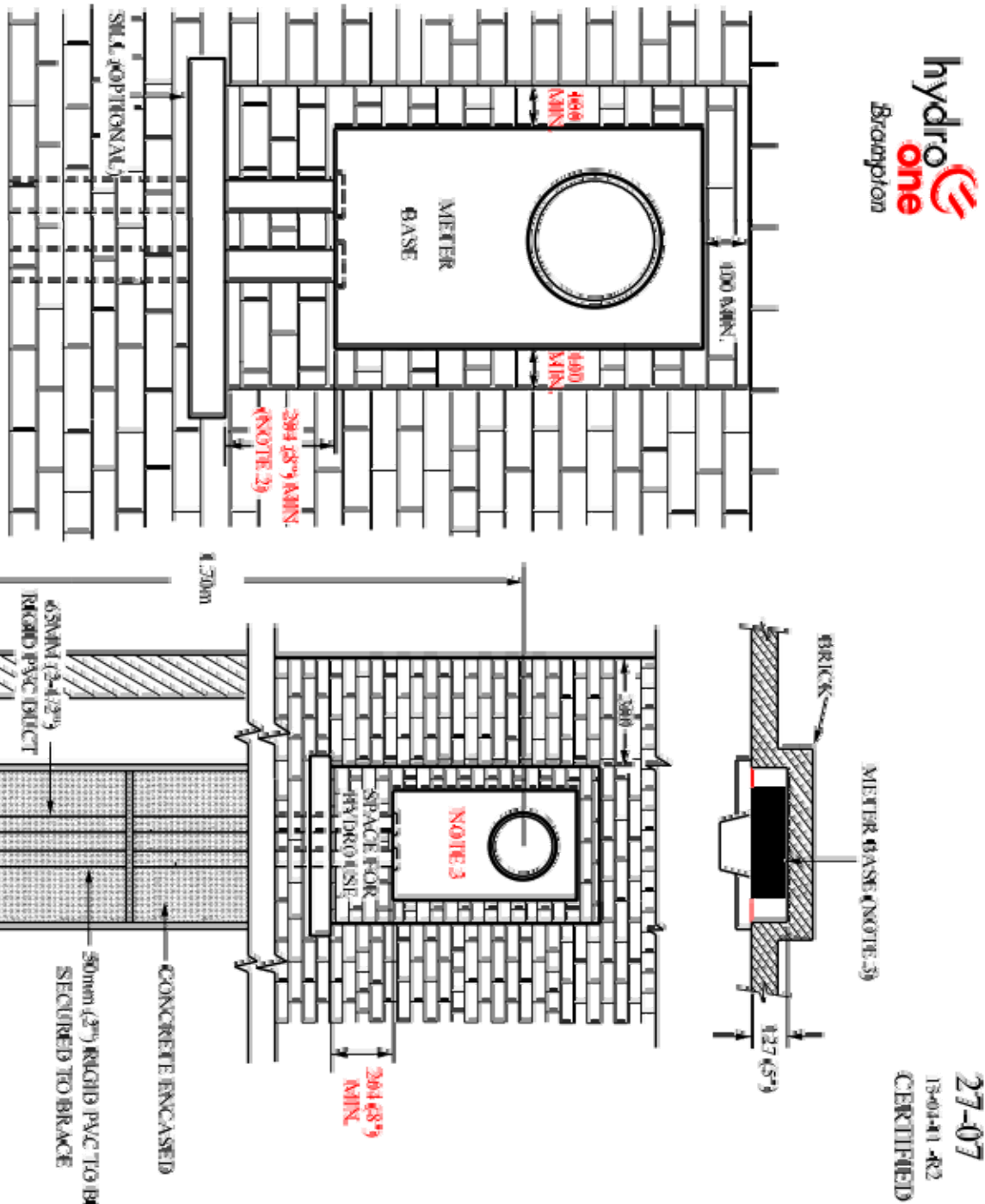
07 FLAT ROOF @ FRONT - DINING / LIVING ROOM
1/2"=1'-0"



03 STEEL BEAM DETAIL @ TERRACE
1/2" = 1'-0"



PARTIAL SECTION C'



DATE	APPROVED IN ACCORDANCE WITH THE CANADIAN NATIONAL STANDARD FOR CONSTRUCTION DOCUMENTS	APPROVED
15-04-18	RECEIVED METER BASE CLEARANCE FROM WALL TO 800	15-04-18

CHECKED: *[Signature]*
APPROVED: *[Signature]*
ORIGINAL ISSUE: APRIL 20, 2018

CONDOMINIUM TOWNHOUSES
RECESSED METER BASE

FIRE RATINGS - PARTY WALL TRUSS SPACE (OBC REF - S9-2.3)			
COMPONENT	FIRE RATING	CODE REFERENCE	RATING
5/8" (15.9mm) TYPE X GYPSUM WALL BOARD	40 min.	OBC, S9-2.3.4(2) (TABLE 2.3.4.A)	
WOOD TRUSSES	NO RATING ASSIGNED		
5/8" (15.9mm) TYPE X GYPSUM WALL BOARD	40 min.	OBC, S9-2.3.4(2) (TABLE 2.3.4.A)	
TOTAL FIRE RATING	80 min.	OBC, S9-2.3.4(1)	

FIRE 1 SOUND RATINGS - PARTY WALL			
WALL TYPE	CODE REFERENCE	RATING	
MBC	OBC, S9-3	54 STC (10/18 FR)	

FILL ANY VOID TO INSIDE OF ROOF DECK AND TOP OF WALL WITH MINERAL WOOL.

MIN. ROOF JOIST SPACING EXCEEDS 24" O.C. PROVIDE H-CLIPS @ 12" O.C.

TYPICAL ROOF 1 LEAVES CONSTRUCTION

5/8" TYPE X GYPSUM SHTG. ON REMANUFACTURED ROOF TRUSS ON 5/8" TYPE X GYPSUM SHTG. REMANUFACTURED ROOF TRUSS ON 5/8" TYPE X GYPSUM SHTG. TAPE FILL AND SAND ALL GYPSUM JOINTS TO PREVENT SOUND LEAKAGE. ALL DRYWALL EDGES TO BE SUPPORTED.

PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM BOARD FIRESTOP. (SEPARATELY FASTEN 1 LAYER TO EACH HEADER BEFORE INSTALLATION OF HEADER)

5/8" TYPE X GYPSUM SHTG. ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

TYPICAL FLOOR CONSTRUCTION

FLIR OUT BOXING FROM FACE OF GYPSUM SHTG. TO ENCLOSE ANY MECHANICAL'S

PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM BOARD FIRESTOP. (SEPARATELY FASTEN 1 LAYER TO EACH HEADER BEFORE INSTALLATION OF HEADER)

5/8" TYPE X GYPSUM SHTG. ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

TYPICAL FLOOR CONSTRUCTION

FLIR OUT BOXING FROM FACE OF GYPSUM SHTG. TO ENCLOSE ANY MECHANICAL'S

1/2" GYPSUM SHTG.

2"x4" DOUBLE TOP PLATE

5/8" TYPE X GYPSUM SHTG. ON APPROVED AIR BARRIER ON EACH EXTERIOR SIDE OF 2 ROWS OF STUDS. PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM BOARD FIRESTOP. (SEPARATELY FASTEN 1 LAYER TO TOP OF FOUNDATION WALL. FILL ONE SIDE OF STUD CAVITY WITH AT LEAST 40% OF ABSORPTIVE MATERIAL, PROCESSED FROM ROCK SLAB OR GLASS TAPE FILL AND SAND ALL GYPSUM JOINTS TO PREVENT SOUND LEAKAGE. ALL DRYWALL EDGES TO BE SUPPORTED

NOTE: PROVIDE INSULATION PROVIDE 4" WIDE 1/2" GYPSUM SHEATHING OR 4" WIDE 1/4" R. VYKOD SHEATHING @ 24" O.C. VERT. ON EXTERIOR FACE OF STUD (IN AIR SPACE)

FIRST FLOOR

AS PER ELEVATION

5/8" TYPE X GYPSUM SHTG. ON BLOCKING ON CONTINUOUS HEADER BOARD, EACH SIDE

PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM BOARD FIRESTOP. (SEPARATELY FASTEN 1 LAYER TO EACH HEADER BEFORE INSTALLATION OF HEADER)

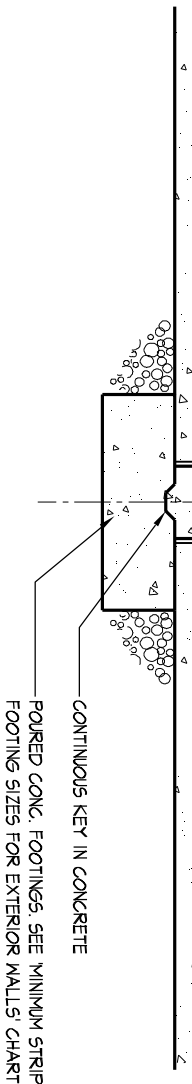
UNFINISHED

BASEMENT

8" POURED IS WFO CONCRETE FOUNDATION WALL ON POURED CONC. FOOTING

3" MIN. 25 WFO CONC. SLAB ON 4" COARSE CLEAN GRAVELLAR FILL OR 20 WFO CONC. WITH DAMPROOFING BELOW SLAB

AS PER ELEVATION



CONTINUOUS KEY IN CONCRETE

POURED CONC. FOOTINGS, SEE MINIMUM STRIP FOOTING SIZES FOR EXTERIOR WALLS CHART

MINIMUM STRIP FOOTING SIZES (R4.5.3)

NOTE: POURED CONC. FOOTING ON NATURAL UNDISTURBED SOIL OF 36" OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 1500 PSF. FOOTING SIZE SHOWN FOR 16'-0" (4.9m) MAXIMUM JOIST SPAN ONLY. JOIST SPAN EXCEEDING 16'-0" (4.9m) SHALL BE ENGINEERED. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, CAPACITY TO BE VERIFIED WITH SOIL ENGINEERING REPORT.

NUMBER OF JOISTS SUPPORTING IN EXTERIOR	LOAD BEARING PARTIAL WALL	LOAD BEARING EXTERIOR	SUPPORTING PARTIAL WALL
1	16" X 8" D	16" X 8" D	16" X 8" D
2	24" X 8" D	20" X 6" D	24" X 8" D
3	36" X 14" D	28" X 8" D	36" X 14" D

NOTE: FOOTING SIZE SUBJECT TO CERTIFICATION BY A SOIL CONSULTANT

02

TYPICAL 1 HR PARTY WALL SECTION, PARALLEL ROOF TRUSSES, 1/2" = 1'-0"



FRONT ELEVATION 'A'

REAR ELEVATION 'A'

UNIT 1702

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE COMPLIANCE

SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A

PACKAGE A1

SPACE HEATING FUEL	
☒ GAS	☐ OIL
☐ ELECTRIC	☐ PROPANE
☐ EARTH	☐ SOLID FUEL

BUILDING COMPONENT	REQUIRED	PROPOSED
INSULATION (R9) VALUE		
CEILING W/ ATTIC SPACE	10.56 (R60)	10.56 (R60)
CEILING W/O ATTIC SPACE	5.46 (R31)	5.46 (R31)
EXPOSED FLOOR	5.46 (R31)	5.46 (R31)
WALLS ABOVE GRADE	3.87 (R22)	3.87 (R22)
BASEMENT WALLS	3.52 c1 (R20 c1) *	3.52 c1 (R20 c1) *
* PROPOSED VALUES MAY BE SUBSTITUTED W/ 2.11 + 1.76d1 (R12+R10d)		
EDGE OF BELOW GRADE SLAB ≤ 600mm BELOW GRADE	-	-
EDGE OF BELOW GRADE SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	1.76 (R10)
HEATED SLAB OR SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	1.76 (R10)
WINDOWS & DOORS		
WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE)	1.6	1.6
SKYLIGHTS (MAX U-VALUE)	2.8	2.8
APPLIANCE EFFICIENCY		
SPACE HEATING EQUIP. (AFUE%)	96%	96%
HHV EFFICIENCY (%)	75%	75%
DHW HEATER (EF)	0.8	0.8

AREA CALCULATIONS EL. 'A'

GROUND FLOOR AREA	551 sq. ft.
MAIN FLOOR AREA	945 sq. ft.
THIRD FLOOR AREA	1018 sq. ft.
SUBTOTAL	2514 sq. ft.
REDUCT ALL OPENINGS	12 sq. ft.
TOTAL NET AREA	2502 sq. ft.
(232.44 sq. m.)	
COVERGE	945 sq. ft.
W/O/UT PORCH	(87.79 sq. m.)
COVERGE	1115 sq. ft.
W/ PORCH	(103.39 sq. m.)
WINDOW / WALL AREA	EL. 'A'
CALCULATIONS	STD. PLAN
GROSS WALL AREA	4407 sq. ft.
GROSS WINDOW AREA	230 sq. ft.
(37.19 sq. m.)	
NET GLASS DOORS & WINDOWS	(26.94 sq. m.)
TOTAL WINDOW %	7.22 %



THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THE DESIGN AND THE CALCULATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE NATIONAL BUILDING CODE OF CANADA (NBC) AND THE CANADIAN MODEL CODE FOR MINIMUM STANDARD OF CONSTRUCTION (CMC).

DESIGNER: SANTOS

DATE: 3/16/21

DESIGN ASSOCIATES INC.

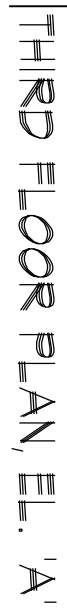
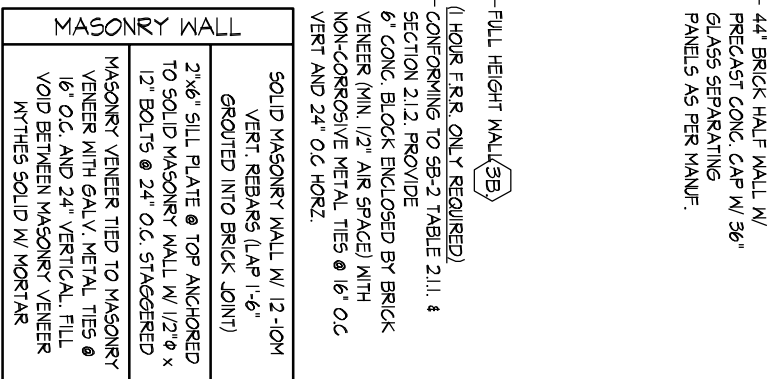
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VANCOUVER, BC

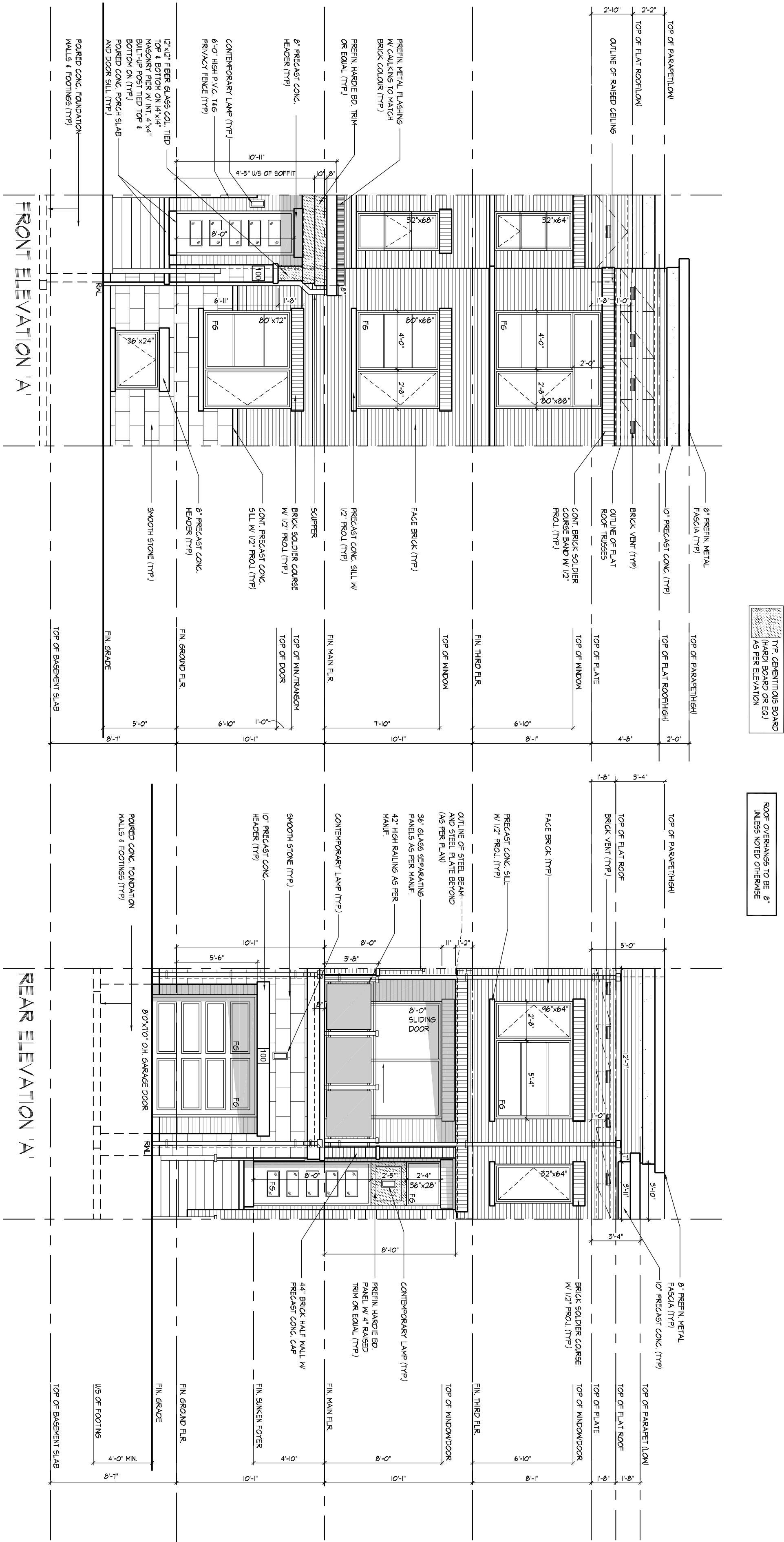
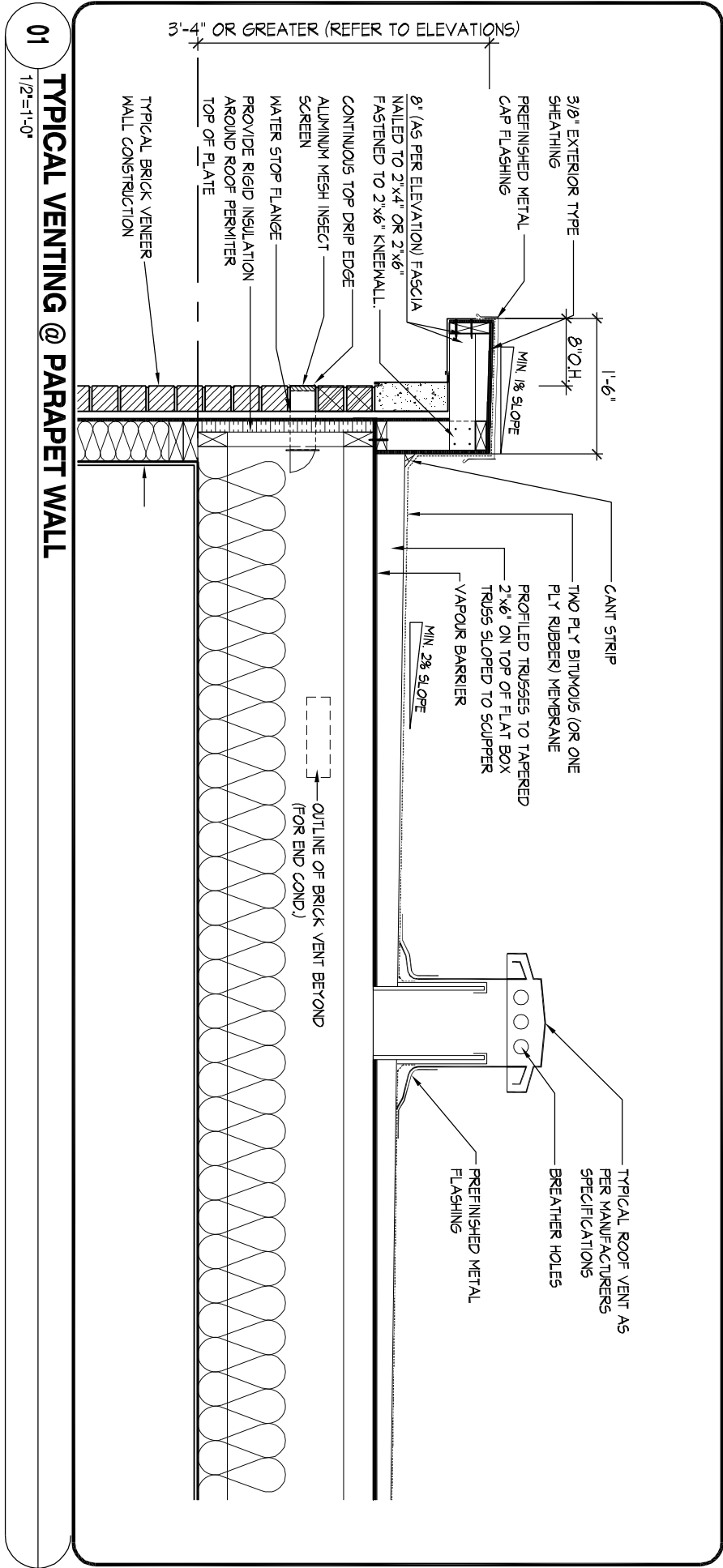


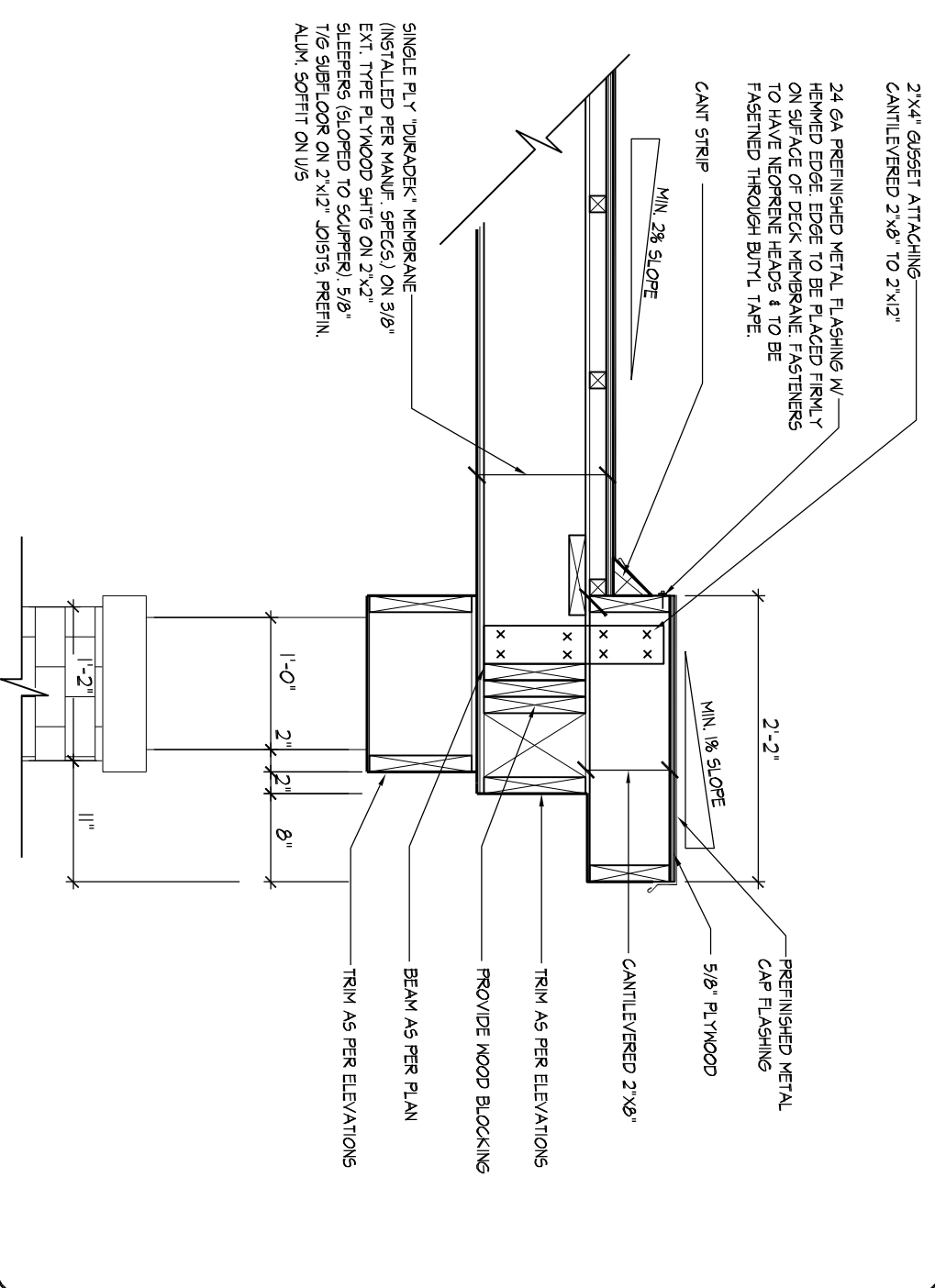
ROYAL PINE HOMES - 215044
FORESTSIDE ESTATES PH 6, BRAMPTON, ONT.
REV. 2018.05.03

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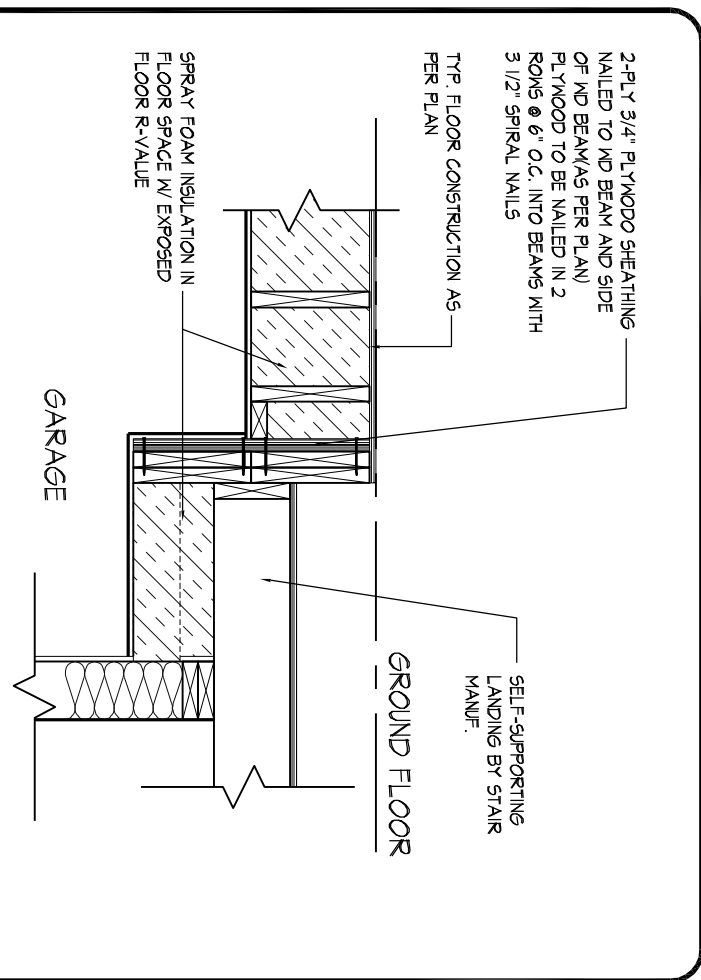


ROOF SPACE TO BE VENTED AT 1:150 OF INSULATED CEILING. (AS PER O.B.C. 9.19.1)	
TOTAL ROOF SPACE	1018.17 ft ²
TOTAL VENTILATION SPACE HEAD	1030.17 ft ² x 0.006 = 6.12 ft ²
ROOF VENT SIZE	12x12" = 1.0 ft ²
MINI .25% OF VENTING LOCATED AT THE TOP OF ROOF	
TOTAL # OF ROOF VENTS	3
TOTAL VENTILATION FROM ROOF VENTS	3 x 1.0 ft ² = <u>3.0 ft²</u>
MINI .25% OF VENTING LOCATED AT THE BOTTOM OF ROOF	
BRICK VENT SIZE	4"x10" = 0.278 ft ²
TOTAL # OF BRICK VENTS	12
TOTAL VENTILATION FROM ROOF VENTS	12 x 0.278 ft ² = <u>3.34 ft²</u>
TOTAL VENTILATION SPACE FROM ROOF & BRICK VENTS	3.34 ft ² + 3.0 ft ² = 6.34 ft ²

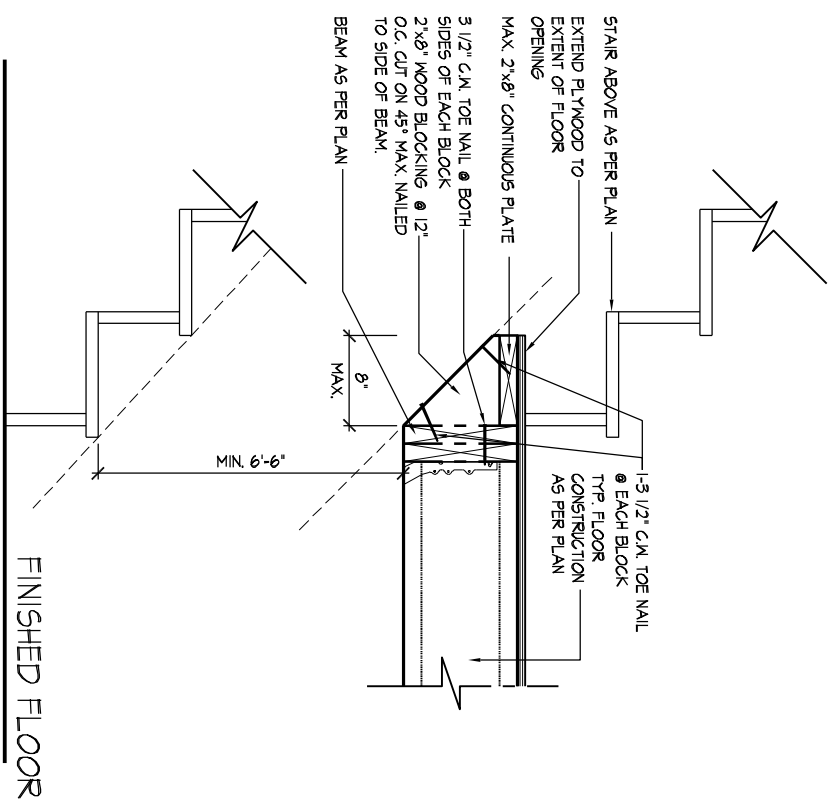




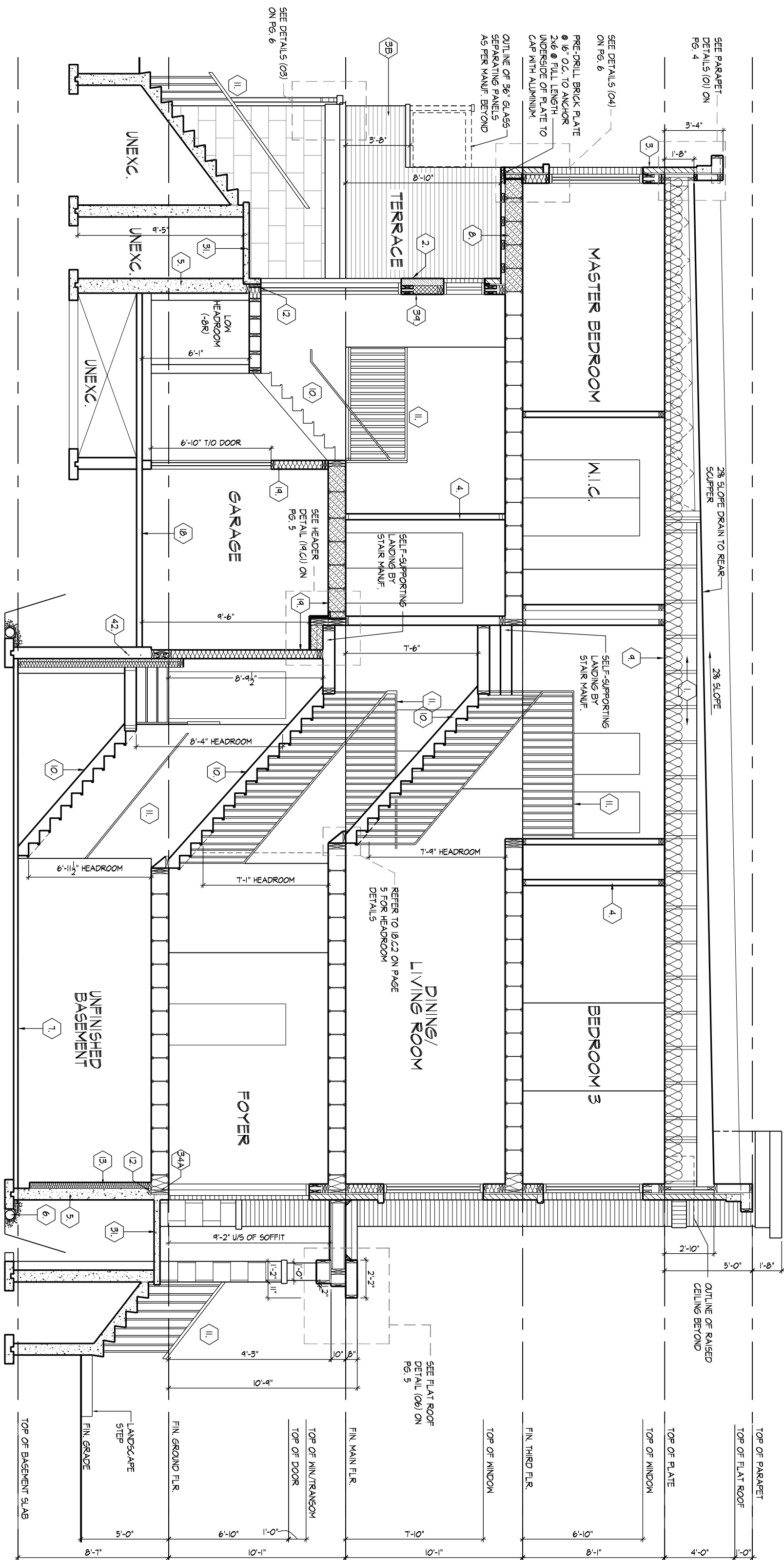
FLAT ROOF DETAIL @ COVERED PORCH - (JOIST PERPENDICULAR TO HOUSE)



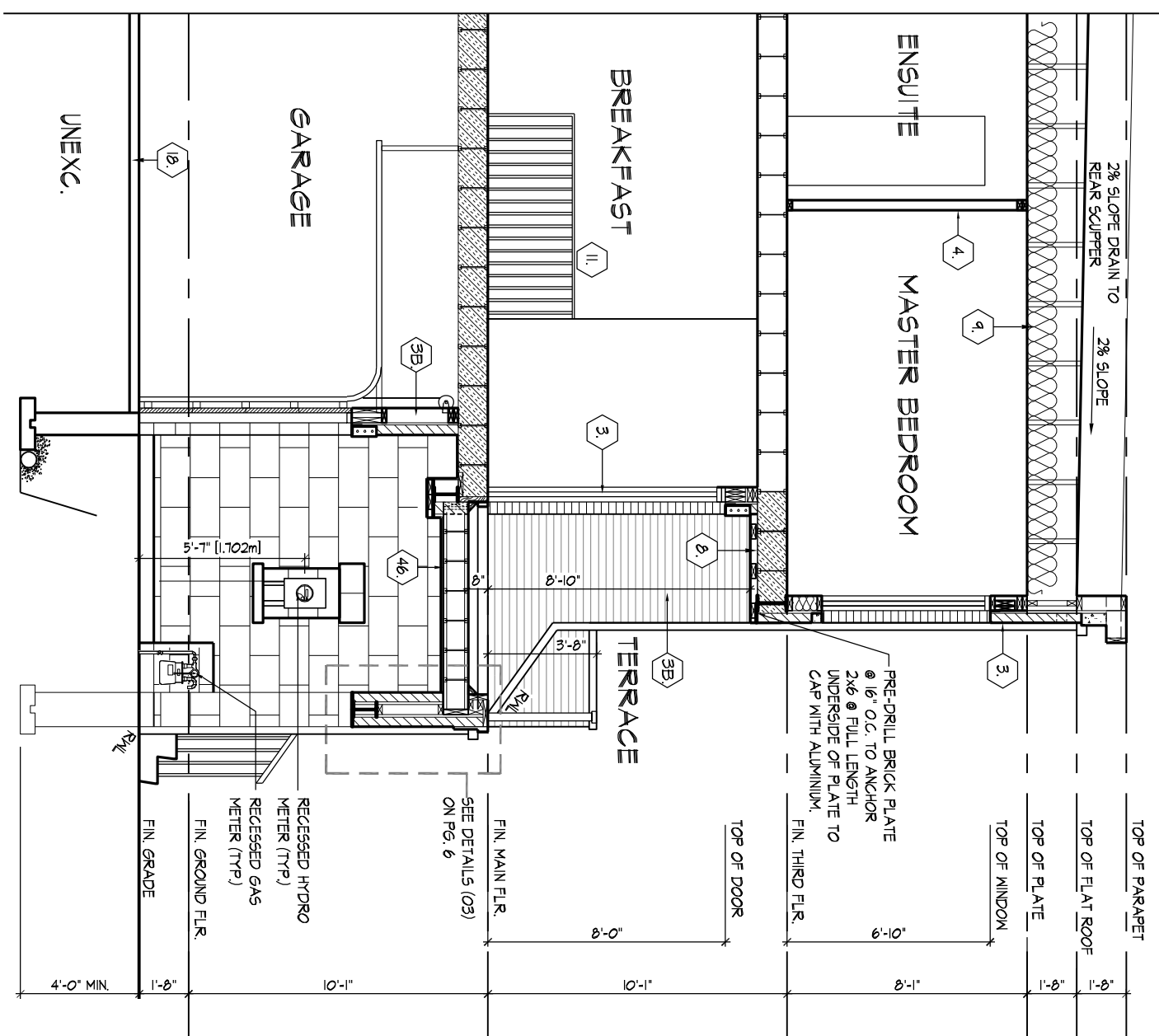
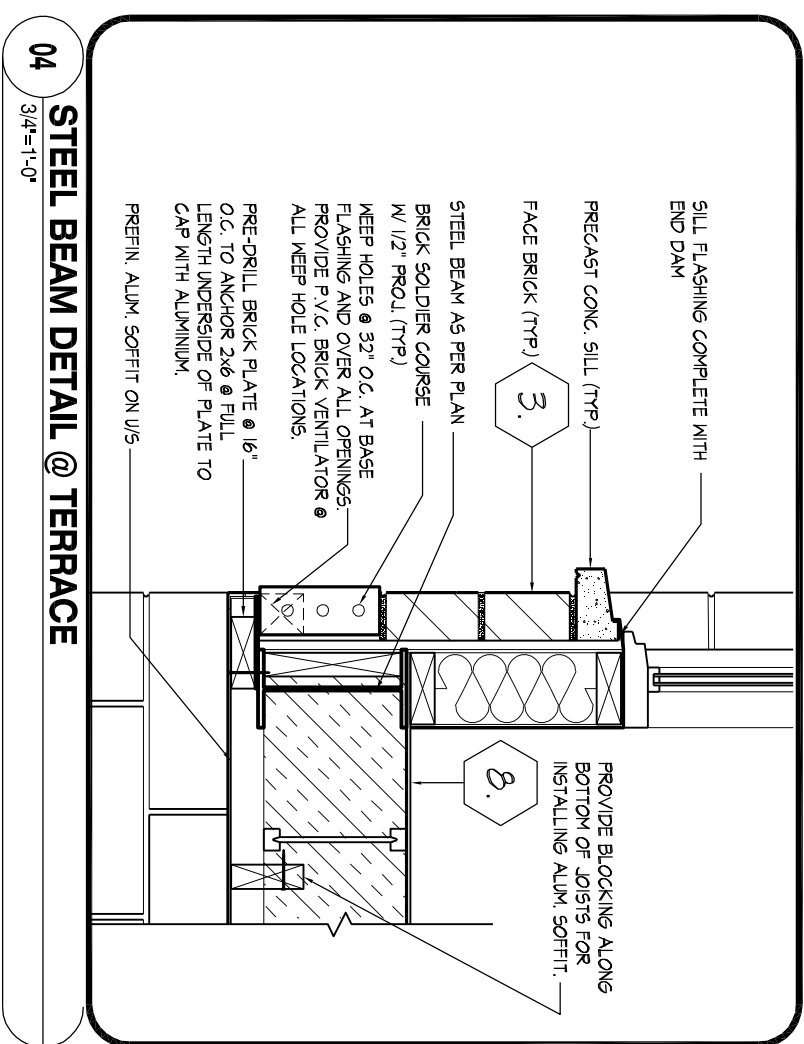
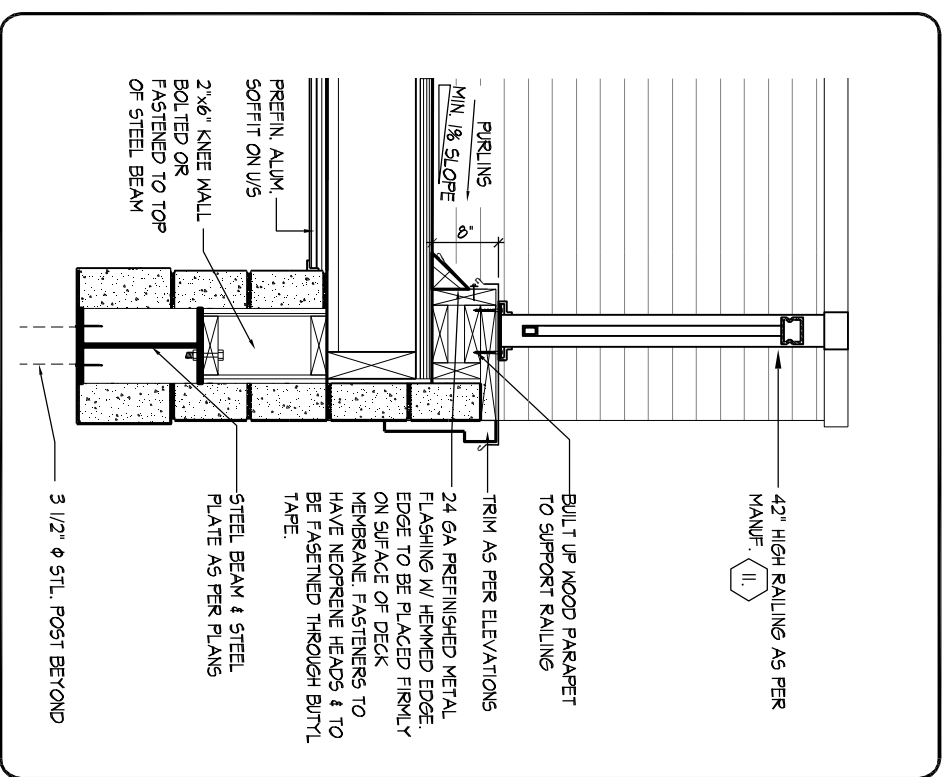
BUILT-UP PLYWOOD HEADER DETAIL



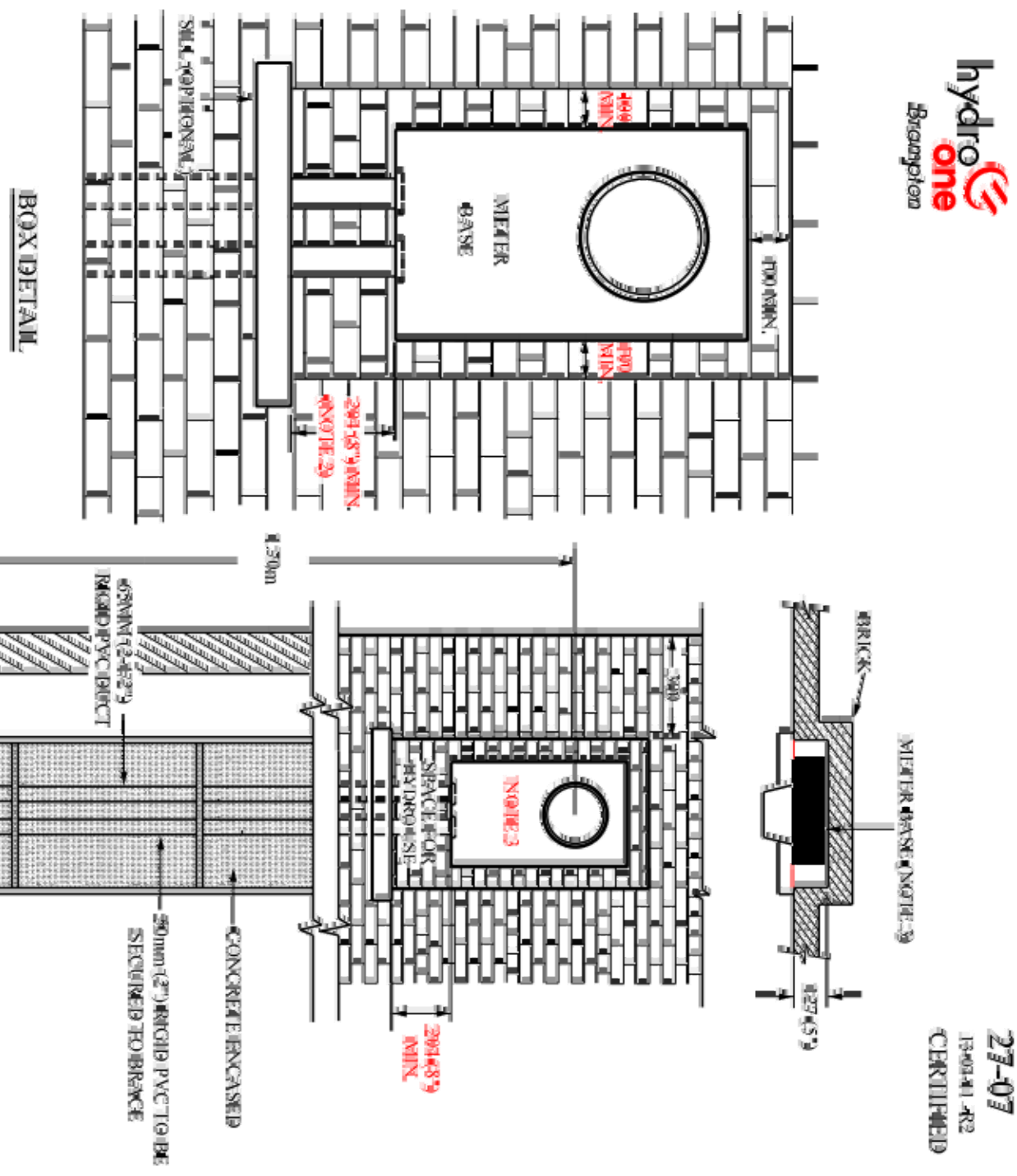
MINIMUM HEADROOM @ STAIRS



CROSS SECTION 'A-A'



PARTIAL SECTION 'C'

[illegible][illegible]

CONDOMINIUM TOWNHOUSES RECESSED NIETTER BASE

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE DUAL PURPOSES OF MEETING THE REQUIREMENTS SET FORTH BY THE CITY OF CHICAGO AND TO BE A RECORDABLE, VALID, AND ENFORCEABLE EASEMENT TO BE RECORDED.	
DEBRA R. STANIS	37308
STANDARD	RECORDATION INFORMATION
18669	RECORD
HUNT DESIGN ASSOCIATES INC.	
DESIGN ASSOCIATES INC.	
www.hunt-design.com	
ROYAL PINE HOMES - 215044	
FORESTSIDE ESTATES PH 6, BRAMPTON, ONT.	
REV. 2018.05.03/03	
UNIT 17022	3/16" = 1'-0"
215044WS1701.DWG	Scale
Drawn by	Checked by
T 906.729.731	0366 Woodbine Ave. Markham, ON L3R 0T7
F 906.729.7326	215044WS1701.DWG
6	7
FOR THE PURPOSES OF THIS EASEMENT, THE UNDERSIGNED ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE PROPERTY RECORDS (OWN number and official signature).	

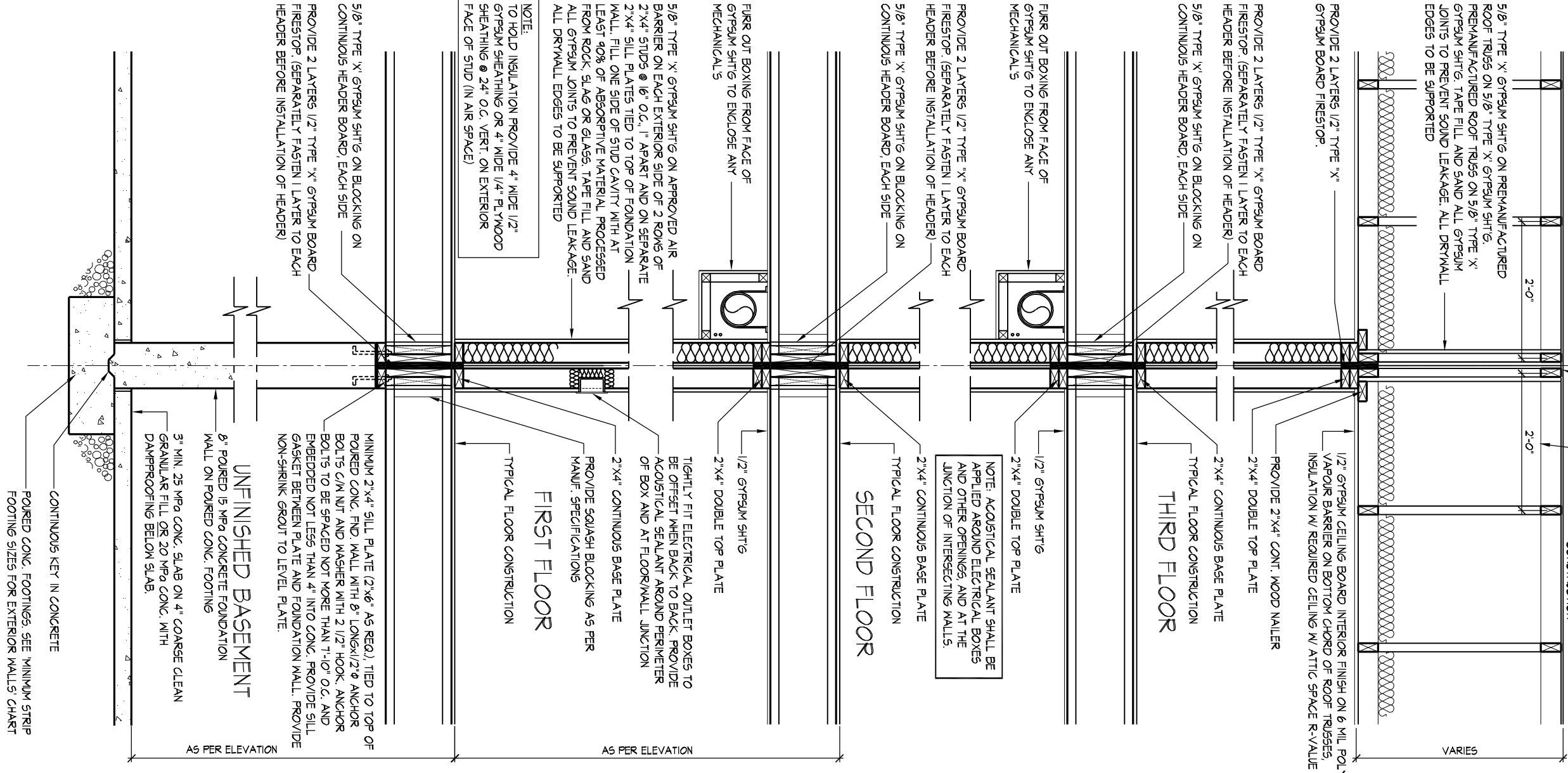
FIRE RATINGS - PARTY WALL TRUSS SPACE (BCC REF. - SB-23)			
COMPONENT	FIRE RATING	CODE REFERENCE	
5/8" (15.9mm) TYPE X GYPSUM WALL BOARD	40 min	OBC, SB-23.4(2) (TABLE 23.4.A)	
WOOD TRUSSES	NO RATING ASSIGNED		
5/8" (15.9mm) TYPE X GYPSUM WALL BOARD	40 min	OBC, SB-23.4(2) (TABLE 23.4.A)	
TOTAL FIRE RATING	80 min	OBC, SB-23.4(1)	

FIRE & SOUND RATINGS - PARTY WALL			
MISC	WALL TYPE	CODE REFERENCE	RATING
		OBC, SB-3	54 STC 0 R FRR

FILL ANY VOID TO UNDERGIR OF ROOF DECK AND TOP OF WALL WITH MINERAL WOOL.

WHEN ROOF JOISTS SPACING EXCEEDS 24" O.C. PROVIDE H-CLIPS @ 12" O.C.

TYPICAL ROOF & EAVES CONSTRUCTION



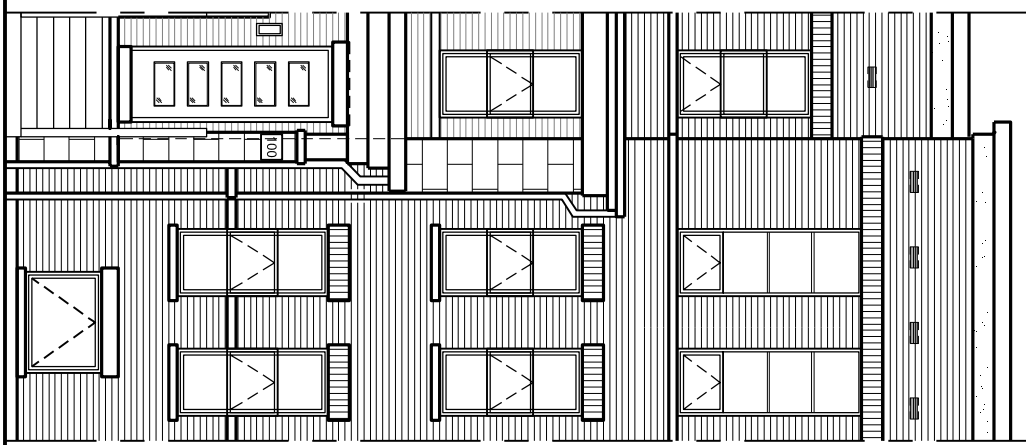
NOTE: POURED CONC. FOOTING ON NATURAL UNDISTURBED SOIL OR TIE-ROD OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 5000 PSF. FOOTING SIZE SHOWN FOR 16'-0\"/>

MINIMUM STRIP FOOTING SIZES (A19.3)			
NUMBER FLOORS SUPPORTED	SUPPORTING INT. LOAD BEARING MASONRY WALL	FOOTING EXTERIOR	SUPPORTING PARTIAL WALL
1	16" X 6' D	16" X 6' D	16" X 6' D
2	24" X 8' D	20" X 6' D	24" X 8' D
3	36" X 14' D	26" X 4' D	36" X 14' D

NOTE: FOOTING SIZE SUBJECT TO CERTIFICATION BY A SOIL CONSULTANT

NOTE: FOOTING SIZE SUBJECT TO CERTIFICATION BY A SOIL CONSULTANT

TYPICAL 1 HR PARTY WALL SECTION, PARALLEL ROOF TRUSSES, 2X4\"/>



UNIT 1703

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE COMPLIANCE

SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A

PACKAGE A1

SPACE HEATING FUEL	
☒ GAS	☐ OIL
☐ ELECTRIC	☐ PROPANE
☐ EARTH	☐ SOLID FUEL

BUILDING COMPONENT	REQUIRED	PROPOSED
INSULATION RSI (R) VALUE		
CEILING W/ ATTIC SPACE	10.56 (R60)	10.56 (R60)
CEILING W/O ATTIC SPACE	5.46 (R31)	5.46 (R31)
EXPOSED FLOOR	5.46 (R31)	5.46 (R31)
WALLS ABOVE GRADE	3.87 (R22)	3.87 (R22)
BASEMENT WALLS	3.52 c† * (R20 c)†	3.52 c† * (R20 c)†
* PROPOSED VALUES MAY BE SUBSTITUTED W/ 2.11+1.76d (R12+R10d) BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	-	-
EDGE OF BELOW GRADE SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	1.76 (R10)
HEATED SLAB OR SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	1.76 (R10)
WINDOWS & DOORS		
WINDOWS SLIDING GLASS DOORS (MAX U-VALUE)	1.6	1.6
SKYLIGHTS (MAX U-VALUE)	2.8	2.8
APPLIANCE EFFICIENCY		
SPACE HEATING EQUIP. (AFUE)%	96%	96%
HVAC EFFICIENCY (%)	75%	75%
DHW HEATER (EF)	0.8	0.8

AREA CALCULATIONS	EL 'A'
GROUND FLOOR AREA	STD. PLAN
MAIN FLOOR AREA	553 sq. ft.
THIRD FLOOR AREA	960 sq. ft.
SUBTOTAL	1021 sq. ft.
DEDUCT ALL OPEN AREAS	0 sq. ft.
TOTAL NET AREA	2534 sq. ft.
COVERAGES	
W/OVT PORCH	960 sq. ft.
COVERAGES	(88.19 sq. m.)
W/ PORCH	1114 sq. ft.
W/ PORCH	(103.49 sq. m.)
WINDOW / WALL AREA	EL. A
STD. PLAN	
W/ PORCH	4607 sq. ft.
GROSS WINDOW AREA	(376.91 sq. m.)
GROSS WINDOW AREA	2653 sq. ft.
WALL GLASS DOORS & SKYLIGHTS	(24.82 sq. m.)
TOTAL WINDOW %	6.53 %



THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THE DESIGN AND THE CALCULATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE NATIONAL BUILDING CODE OF CANADA (NBC) AND THE CANADIAN MODEL CODE FOR THE RESIDENTIAL SECTOR (CMC-R).

DESIGNER: SANTOS

DATE: 3/18/2018

DESIGN ASSOCIATES INC.

19605

VANUQUA, ONTARIO

ROYAL PINE HOMES - 215044

FORESTSIDE ESTATES PH6, BRAMPTON, ONT.

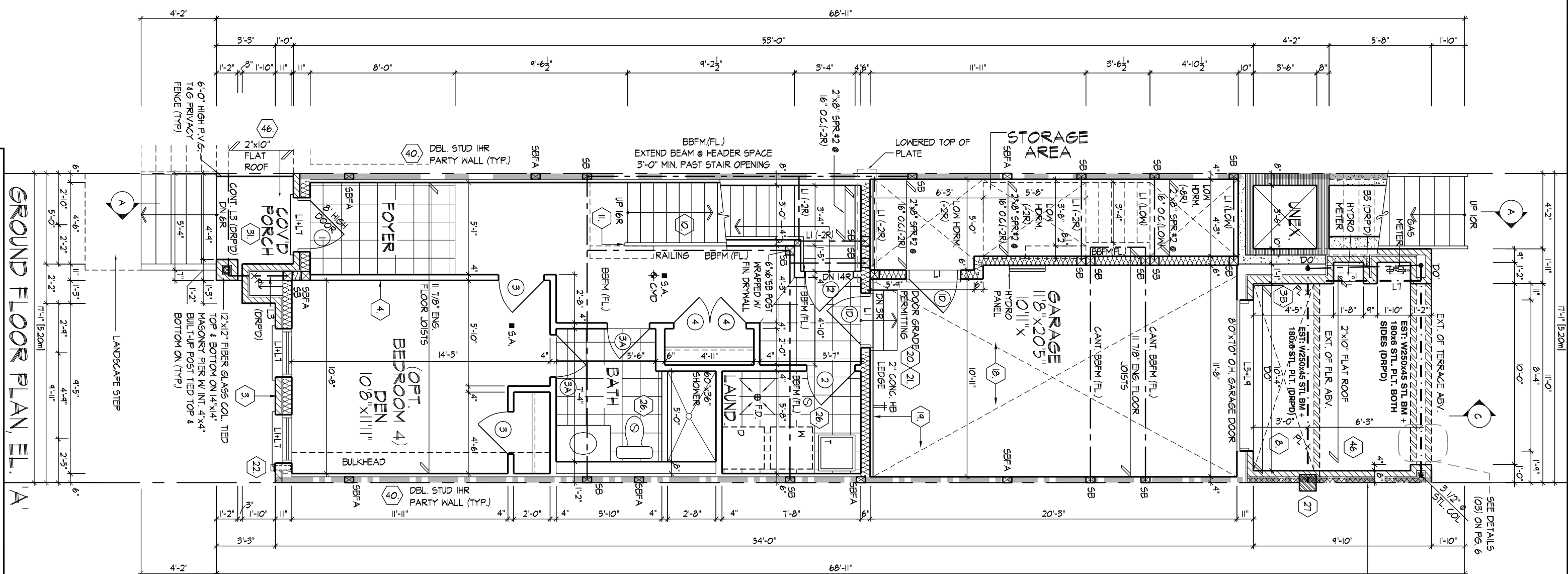
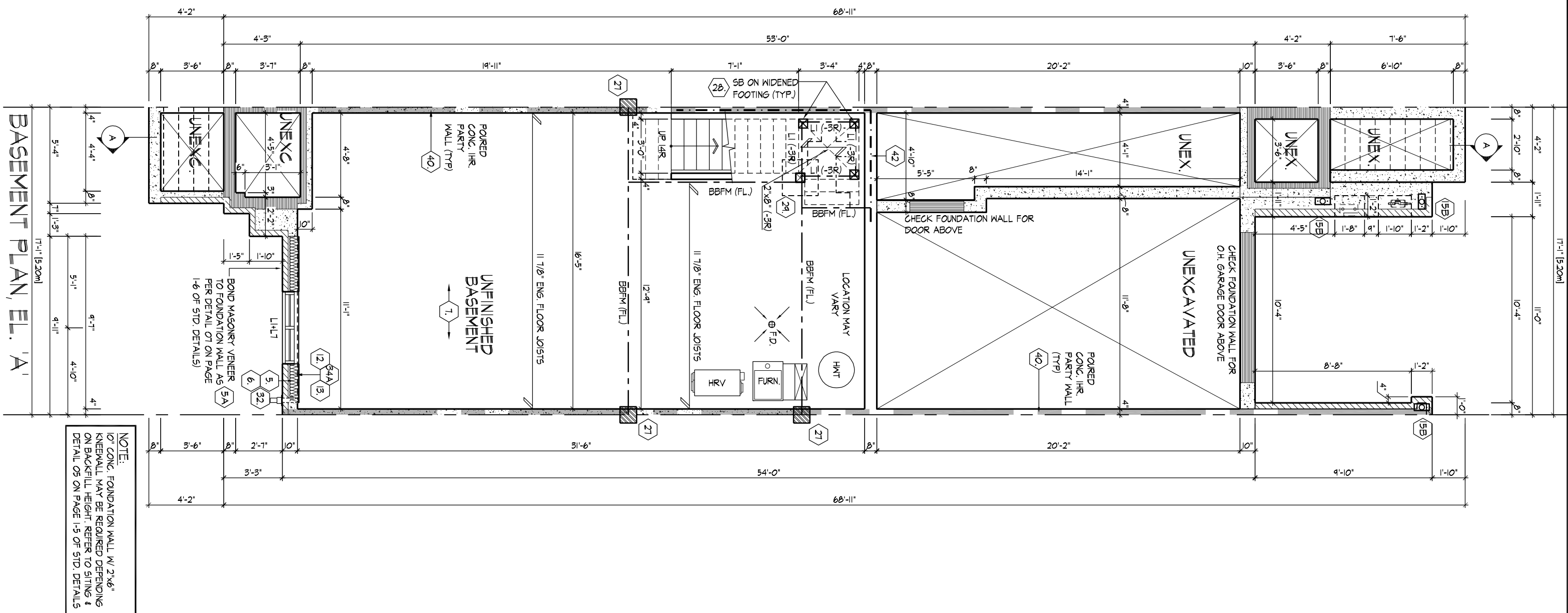
215044WS1703.DWG

REV. 2018.05.03

1 of 7

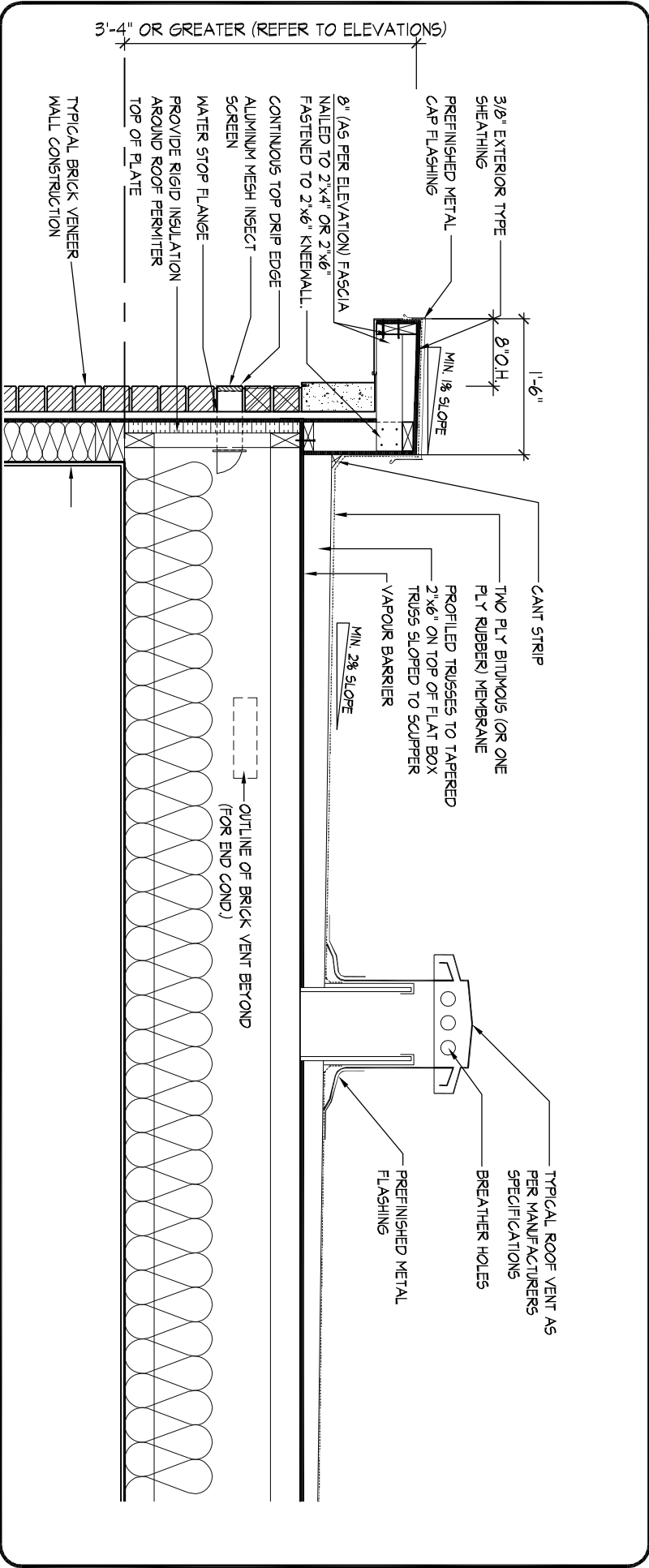
- 1 - TITLE PAGE
- 2 - BASEMENT PLAN, EL. 'A', GROUND FLOOR PLAN, EL. 'A'
- 3 - MAIN FLOOR PLAN, EL. 'A', THIRD FLOOR PLAN, EL. 'A', ROOF PLAN
- 4 - FRONT & REAR ELEVATION 'A'
- 5 - CROSS SECTION 'A-A' & DETAILS
- 6 - PARTIAL CROSS SECTION & DETAILS
- 7 - CONSTRUCTION NOTES 1 & 2

7 -	-	-
6 - ISSUED FOR FINAL APPROVAL	-	-
5 - REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	-
4 - REVISED AS PER STRUCTURAL ENGINEER COMMENTS	-	-
3 - COORDINATE AS PER ROOF TRUSSES & FLOOR MANUFACTURE PLANS	-	-
2 - REVISED AS PER CLIENTS COMMENTS	-	-
1 - ISSUED FOR CLIENT REVIEW	-	-
REVISIONS	REV. 2018.04.06	SZ
	YYYY/MM/DD	XX
	DATE (YYYY/MM/DD)	BY

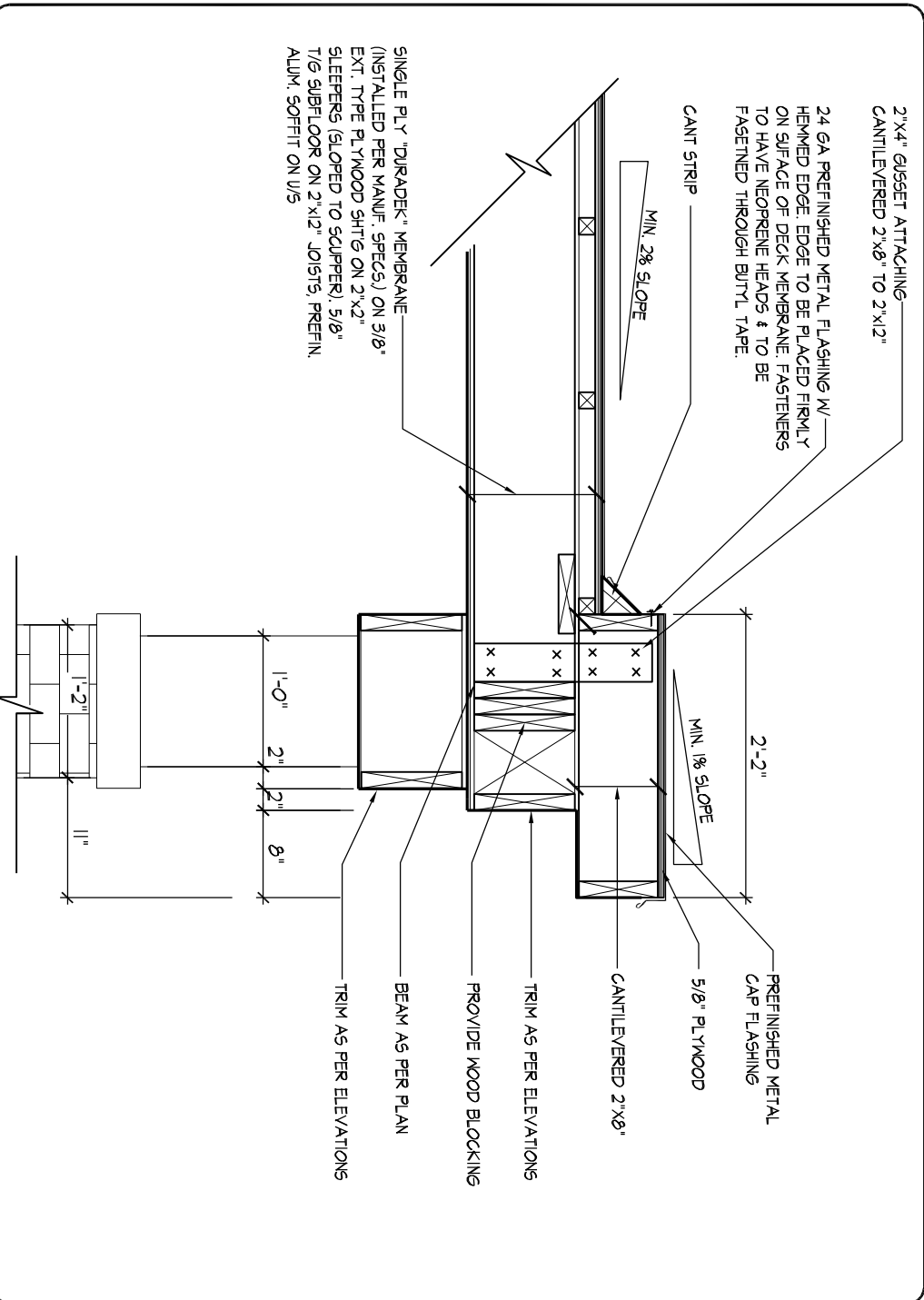


MASONRY WALL	
SOLID MASONRY WALL W/ 8'-10M VERT. REBARS (LAP 1'-6" GROUTED INTO JOINT)	2"x6" SILL PLATE @ TOP ANCHORED TO SOLID MASONRY WALL W/ 1/2" x 12" BOLTS @ 24" O.C. STAGGERED
MASONRY VENEER TIED TO MASONRY VEENER WITH GALV. METAL TIES @ 16" O.C. AND 24" VERTICAL. FILL VOID BETWEEN MASONRY VENEER W/ THIS SOLID W/ MORTAR	

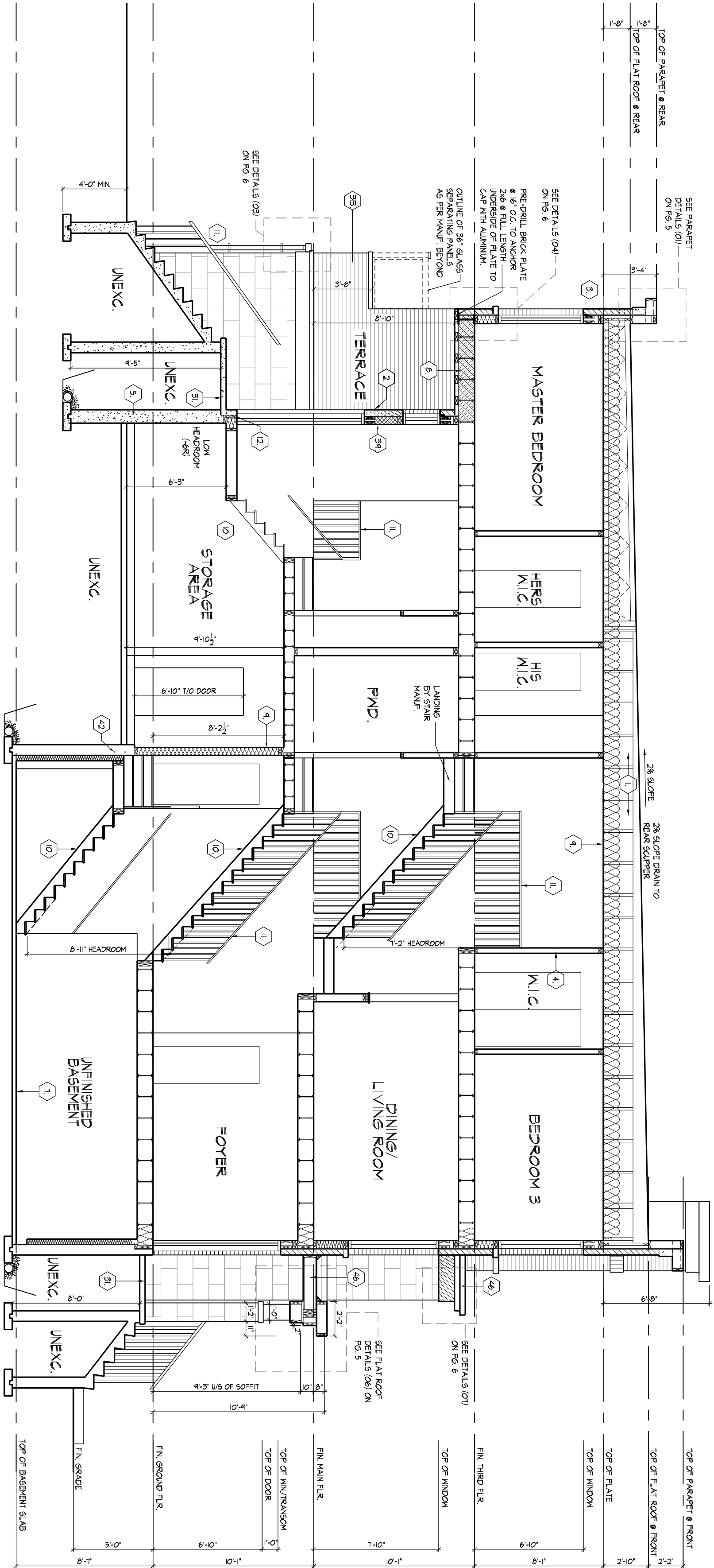
CONFORMING TO SB-2 TABLE 2.1.1. & SECTION 2.1.2. PROVIDE 6" CONC. BLOCK 75% SOLID FILL ENCLOSED BY BRICK VENEER (MIN. 1/2" AIR SPACE) WITH NON-CORROSIVE METAL TIES @ 16" O.C. VERT AND 24" O.C. HORIZ



01 TYPICAL VENTING @ PARAPET WALL
1/2" = 1'-0"

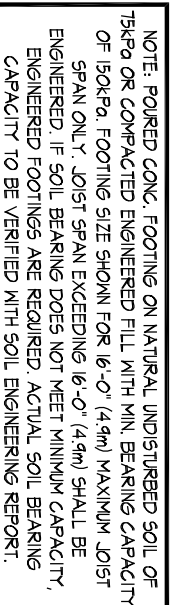


06 FLAT ROOF DETAIL @ COVERED PORCH - (JOIST PERPENDICULAR TO HOUSE)
3/4" = 1'-0"



CROSS SECTION 'A-A'

FIRE & SOUND RATINGS - PARTY WALL		
WALL TYPE	CODE REFERENCE	RATINGS
W3C	O.B.C. 5B-3	54 STC 10 HR FRR



MINIMUM STRIP FOOTING SIZES (415.3)			
NUMBER FLOORS SUPPORTED	SUPPORTING INT. LOAD BEARING MASSORET WALL	SUPPORTING EXTERIOR	SUPPORTING PARTIAL WALL
1	16" x 8' x 4' D	16" x 8' x 4' D	16" x 8' x 4' D
2	24" x 8' x 4' D	20" x 8' x 4' D	24" x 8' x 4' D
3	36" x 8' x 4' D	28" x 8' x 4' D	36" x 8' x 4' D

NOTE: FOOTING SIZE SUBJECT TO
CERTIFICATION BY A SOIL CONSULTANT

TYPICAL 1 HR PARTY WALL SECTION, PARALLEL ROOF TRUSSES,



SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE COMPLIANCE

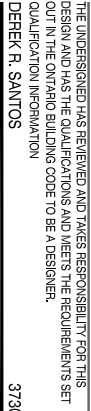
SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A

SPACE HEATING FUEL	
☒ GAS	☐ OIL
☐ ELECTRIC	☐ PROPANE
☐ EARTH	☐ SOLID FUEL

BUILDING COMPONENT	REQUIRED	PROPOSED
INSULATION (R) VALUE		
CEILING W/ ATTIC SPACE	10.56 (R60)	10.56 (R60)
CEILING W/O ATTIC SPACE	5.46 (R31)	5.46 (R31)
EXPOSED FLOOR	5.46 (R31)	5.46 (R31)
WALLS ABOVE GRADE	3.87 (R22)	3.87 (R22)
BASEMENT WALLS	3.52 c/d (R20 d)	3.52 c/d (R20 d) *
* PROPOSED VALUES MAY BE SUBSTITUTED $> 2.11 + 1.76d$ (R12-R10d)		
BELOW GRADE SLAB ENTIRE SURFACE $> 600\text{mm}$ BELOW GRADE		-
EDGE OF BELOW GRADE SLAB $\leq 600\text{mm}$ BELOW GRADE	1.76 (R10)	1.76 (R10)
HEATED FLOOR OR SLAB $\leq 600\text{mm}$ BELOW GRADE	1.76 (R10)	1.76 (R10)
WINDOWS & DOORS		
WINDOWS SLIDING GLASS DOORS (MAX U-VALUE)	1.6	1.6
SKYLIGHTS (MAX. U-VALUE)	2.8	2.8
APPLIANCE EFFICIENCY		
SPACE HEATING EQUIP. (AFUE%)	96%	96%
HVAC EFFICIENCY (%)	75%	75%
DHW HEATER (EF)	0.8	0.8

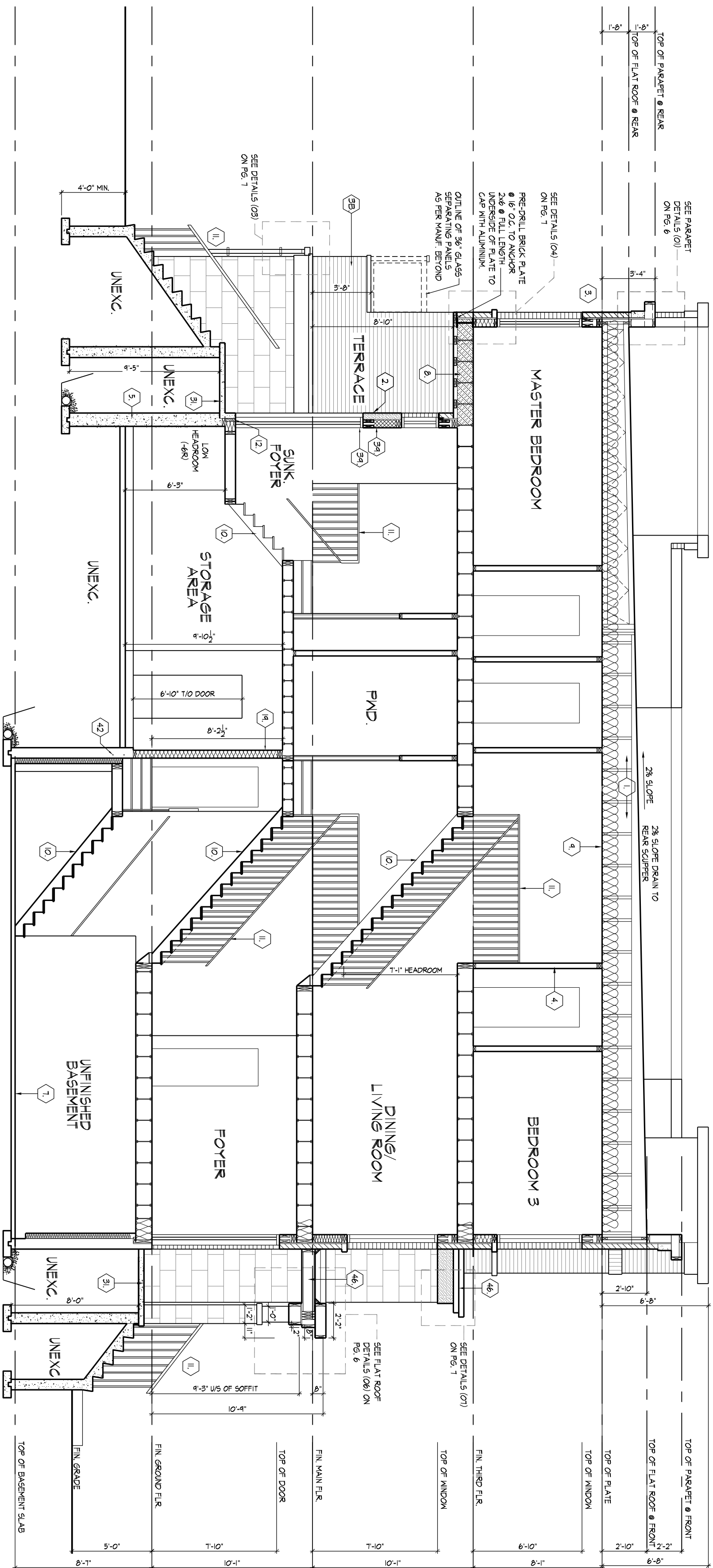
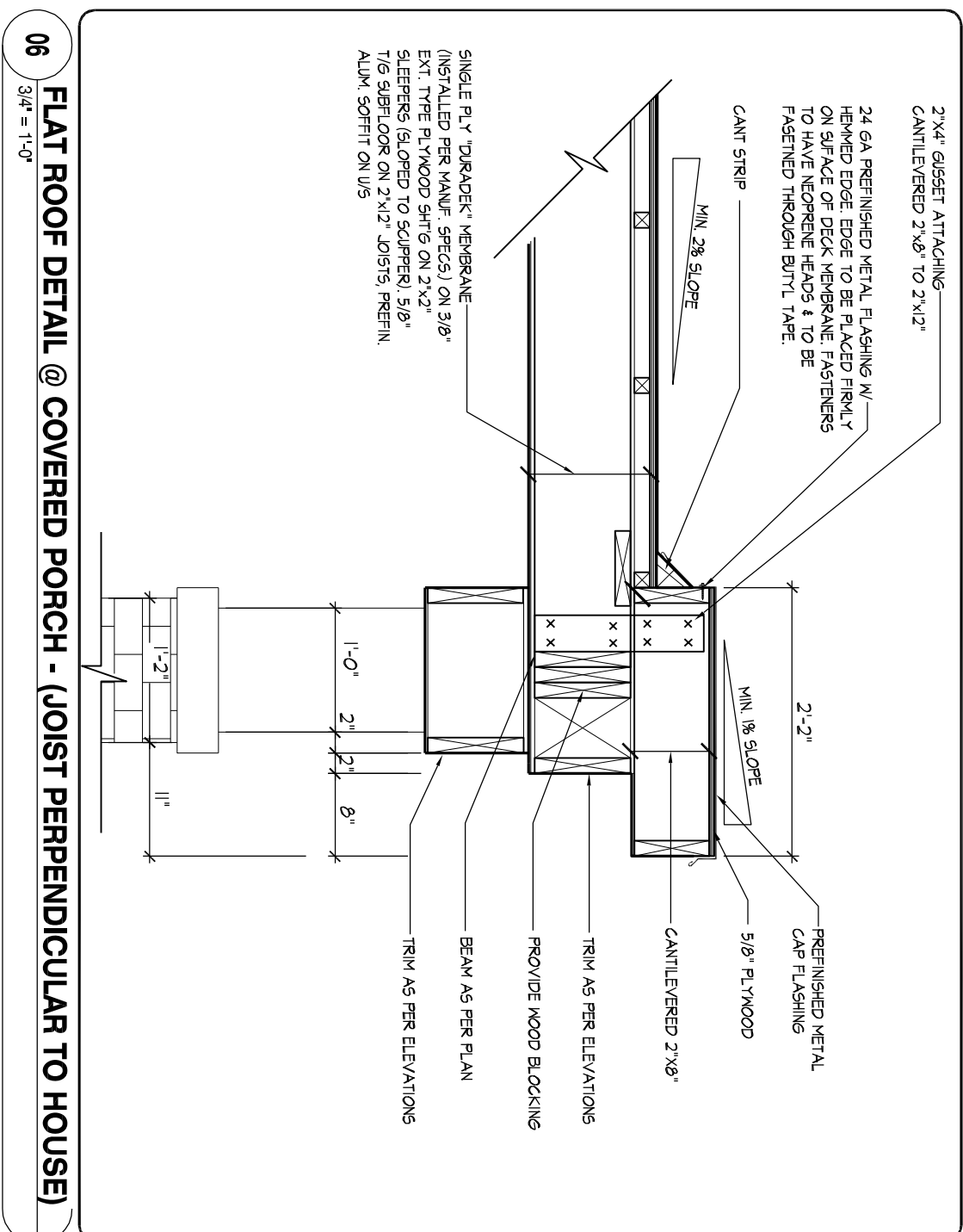
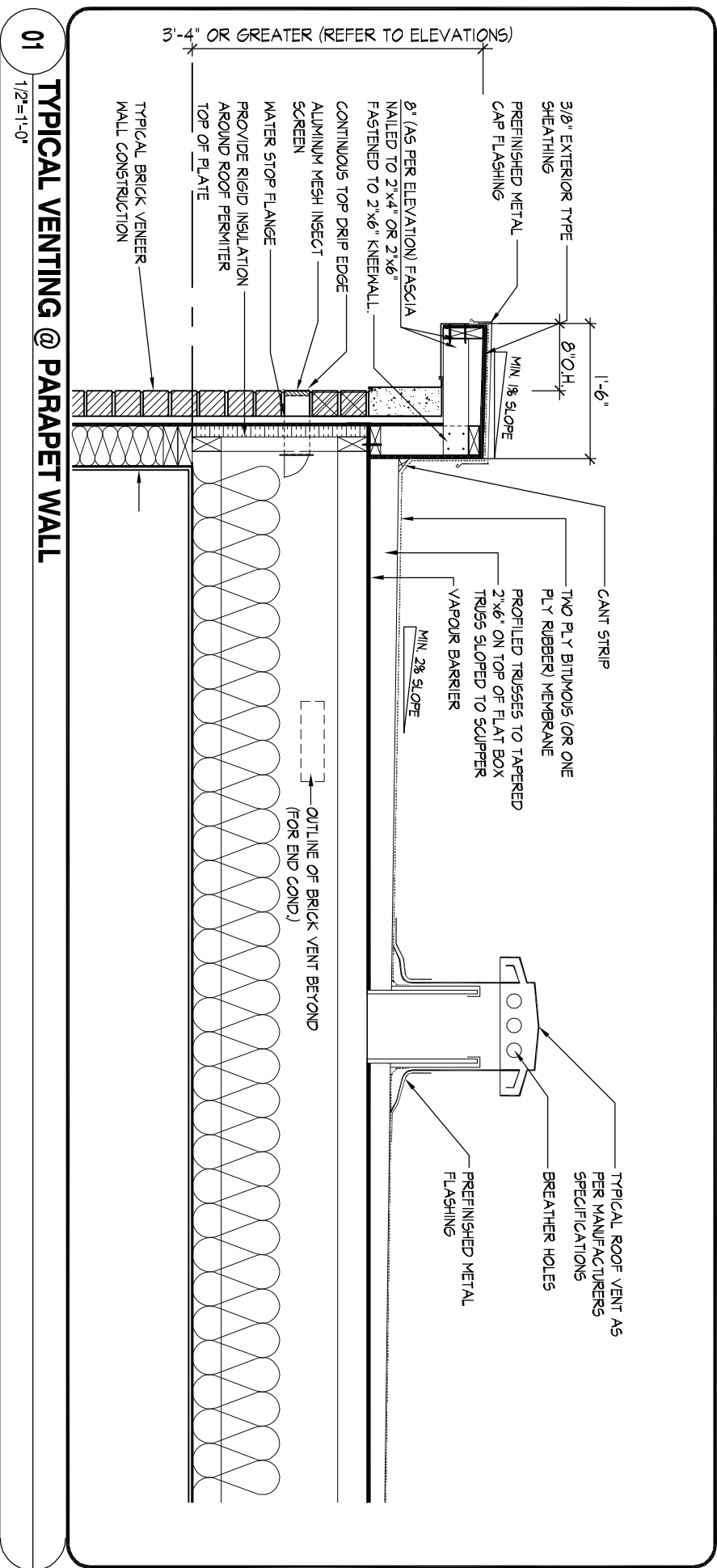
AREA CALCULATIONS

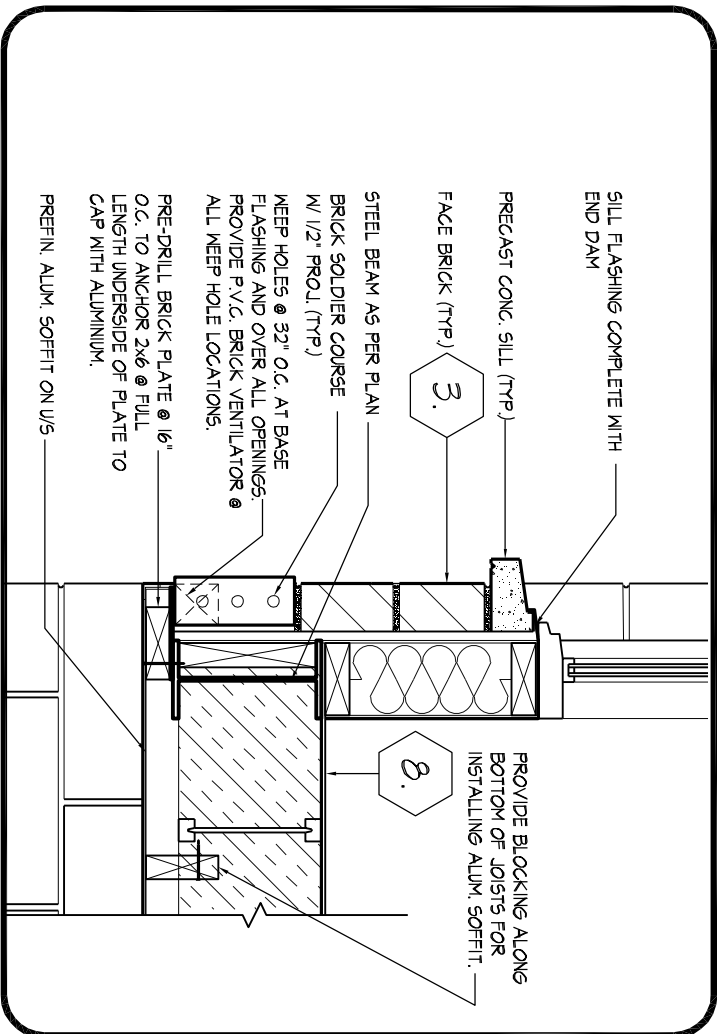
STANDARD FLOOR AREA	586 sq. ft.	STD. PLAN
SECOND FLOOR AREA	1018 sq. ft.	
THIRD FLOOR AREA	1083 sq. ft.	
SUBTOTAL	2687 sq. ft.	
DEDUCT ALL OPEN AREAS	0 sq. ft.	
TOTAL NET AREA	2687 sq. ft.	
COVERAGE	(249.63 sq. m.)	
INDENT PORCH	970 sq. ft.	
COVERAGE	(90.12 sq. m.)	
W/ PORCH	1777 sq. ft.	
	(164.35 sq. m.)	
WINDOW / WALL AREA	EL. A	
CALCULATIONS	STD. PLAN	
GROSS WALL AREA	4226 sq. ft.	
GROSS WINDOW AREA	(382.61 sq. m.)	
MINUS GLASS PARTS	435 sq. ft.	
	(40.41 sq. m.)	
TOTAL WINDOW %	10.29 %	



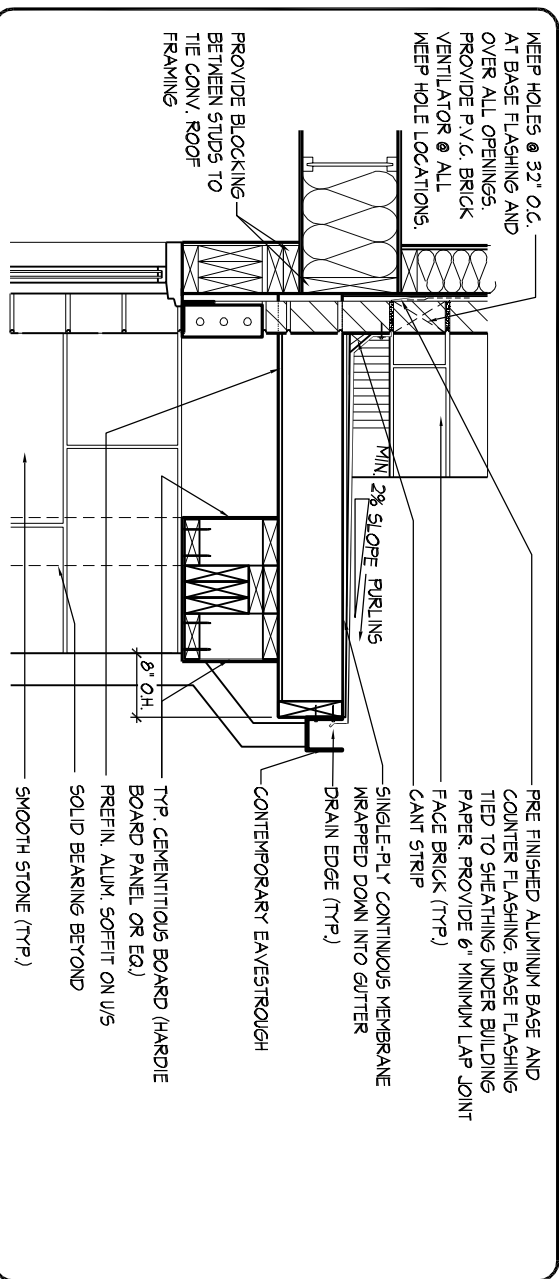
7.	-	-	
6.	ISSUED FOR FINAL APPROVAL	-	
5.	REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	
4.	REVISED AS PER STRUCTURAL ENGINEER COMMENTS	-	
3.	COORDINATE AS PER ROOF TRUSS & FLOOR MANUFACTURE PLANS	-	
2.	REVISED AS PER CLIENTS COMMENTS	-	
1.	ISSUED FOR CLIENT REVIEW	-	
	REVISIONS		
		RE/2019/04/06	SZ
		YYY/MM/DD	XX
		DATE (YYY/MM/DD)	BY

7.	-	-	
6.	ISSUED FOR FINAL APPROVAL	-	
5.	REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	
4.	REVISED AS PER STRUCTURAL ENGINEER COMMENTS	-	
3.	COORDINATE AS PER ROOF TRUSS & FLOOR MANUFACTURE PLANS	-	
2.	REVISED AS PER CLIENTS COMMENTS	-	
1.	ISSUED FOR CLIENT REVIEW	-	
REVISIONS			
		REVIEWED BY	DATE
		XX	17/11/2020
		YY	17/11/2020

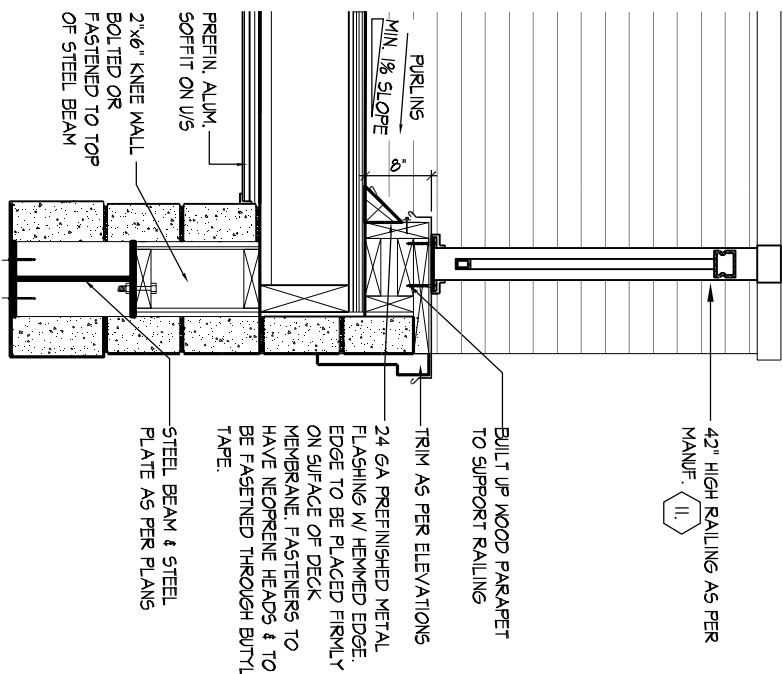




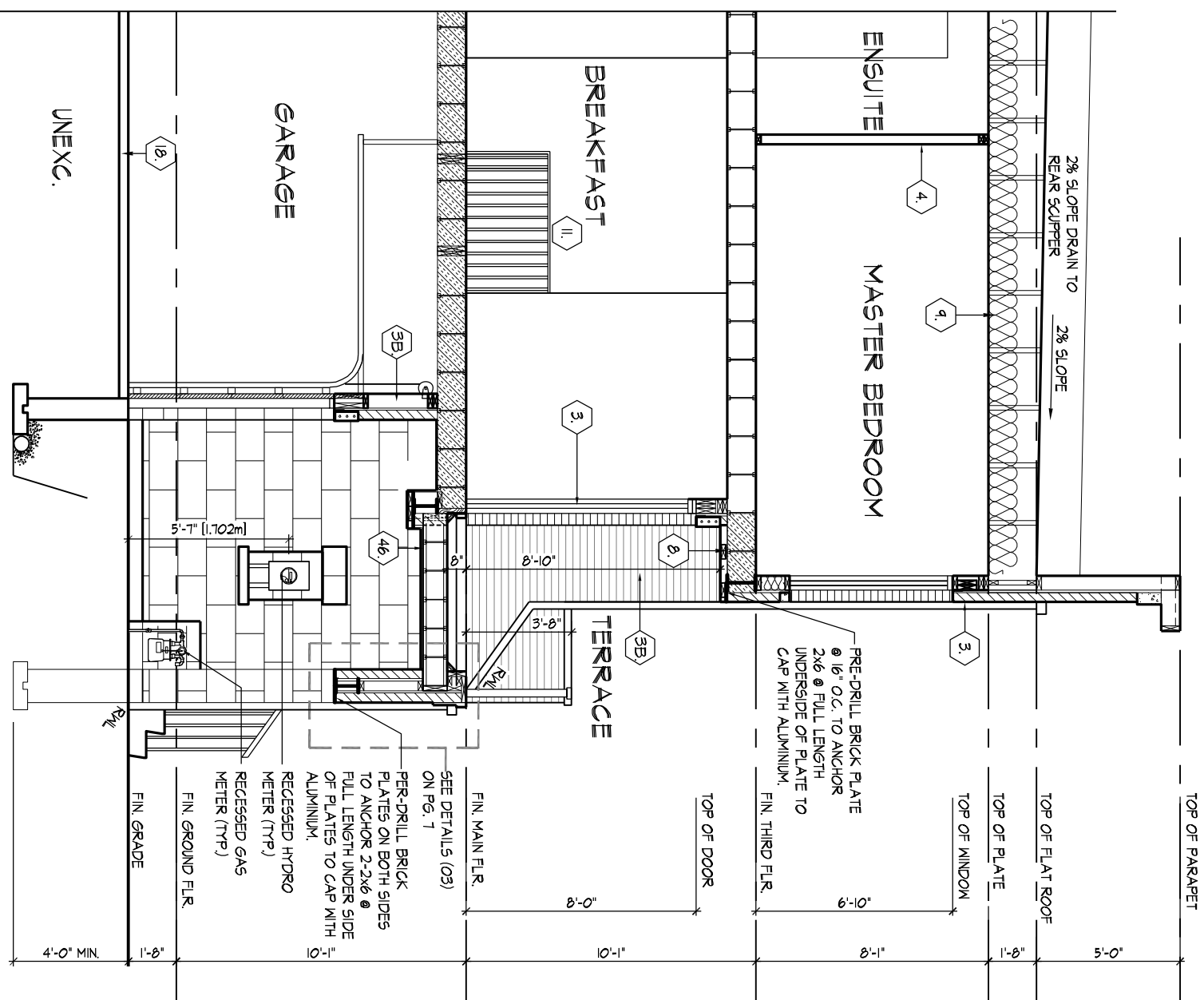
STEEL BEAM DETAIL @ TERRACE



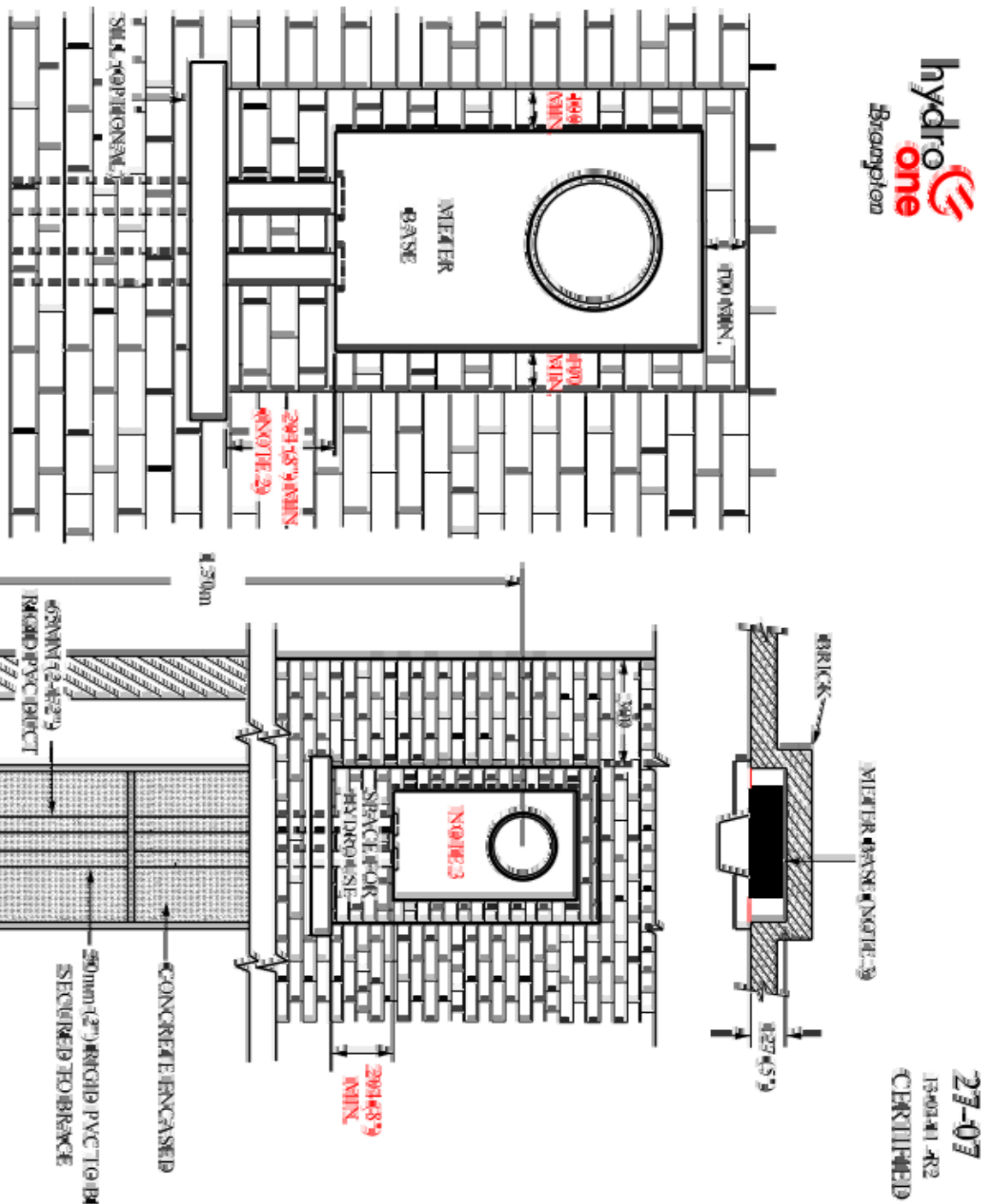
07 **FLAT ROOF @ FRONT - DINING / LIVING ROOM**
1/2"=1'-0"



BALCONY @ REAR DETAIL



PARTIAL SECTION C



27-07
150341-R2
CERTIFIED

CONCLUSION

1. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
2. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
3. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
4. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
5. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
6. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
7. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
8. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
9. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？
10. 在HBase的HDFS中，HBase的表数据存储在HDFS的哪个目录下？

[illegible]

SA

Suppl. 109, 28196

CONDOMINIUM TOWNHOUSES

RECESSED MILLER BASE

THE UNDERSIGNED HAS READ AND TAKES RESPONSIBILITY FOR THE CONTENTS AND THE VALIDITY OF THE INFORMATION SET FURNISHED BY THE UNDERSIGNED TO THE REGISTRAR QUALIFYING INFORMATION CELEST R. SANTOS NAME: _____ REGISTRATION INFORMATION: _____ SIGNATURE: _____ 37408 BORN: _____		ROYAL PINE HOMES - 215044 FORESTSIDE ESTATES PH6, BRAMPTON, ONT. REV. 2018.04.20		UNIT 17044	
DESIGN ASSOCIATES INC. 19895 www.hunt.ca		HUNT		DS 31'6"=1'-0" 215044/NS1701.DWG 7 of 7	
HUNT DESIGN ASSOCIATES INC. 19895 www.hunt.ca		9666 Woodbine Ave. Markham, ON L3R 9U7 905.737.5153 • 905.737.7326		NS	
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FOUNDATION REDUCTION IN THICKNESS FOR MASONRY

21 EXTERIOR AND GARAGE STEPS

- [illegible]

REFER TO SB-B.2 ENERGY EFFICIENCY DESIGN MATRIX ON THE TITLE PAGE FOR ALL VALUES AS REQUIRED PER 3.1.1, 3.1.2, 3.1.3. OF THE OBC.

SECTION 1.1. WALL STUDS	3.3. DOOR SCHEDULE

- [illegible]