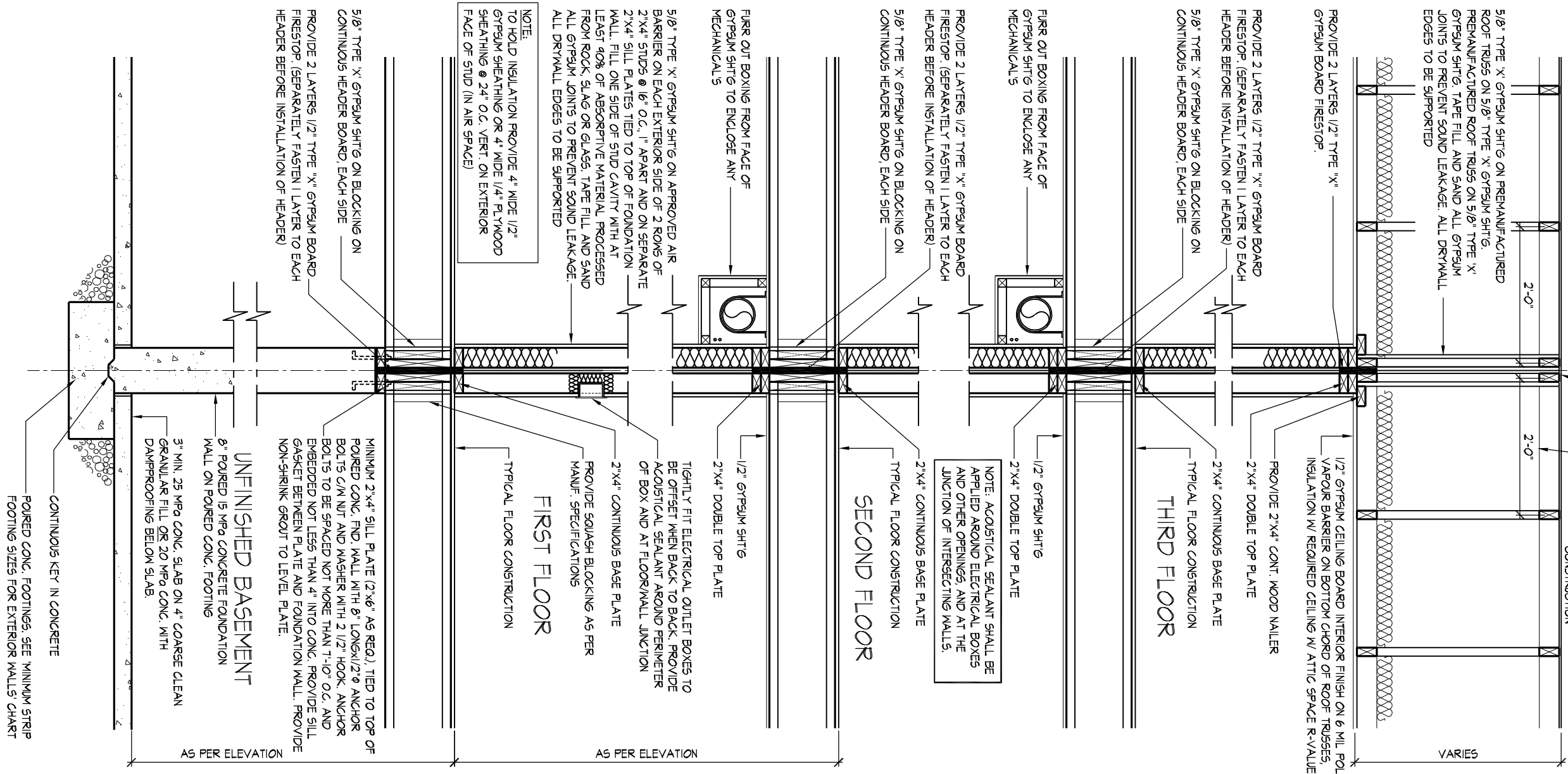


FIRE RAINING - PARTY WALL TRUSS SPACE (08C REF - 5B-2.3)			
COMPONENT	FIRE RATING	CODE REFERENCE	
5/8" (15mm) TYPE X Gypsum Wall Board	40 mm.	08C-5B-33.4(2) (TABLE 23.4A)	
WOOD TRUSSES	NO RATING ASSIGNED		
5/8" (15mm) TYPE X Gypsum Wall Board	40 mm.	08C-5B-33.4(2) (TABLE 23.4A)	
TOTAL FIRE RATING	80 mm.	08C-5B-23.4(1)	

FIRE & SOUND RATINGS - PARTY WALL		
WALL TYPE	CODE REFERENCE	RATING
W3C	O.B.C. 5B-3	54 STC 110 HR FRR

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



NUMBER FLOORS SUPPORTED	SUPPORTING INT. LOAD BEARING MAJOR WALL	SUPPORTING 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 6' D
3	36" X 14' D	26" X 9' D	36" X 14' D

NOTE: FOOTING SIZE SUBJECT TO CERTIFICATION BY A SOIL CONSULTANT

NOTE: PAIRED CONC. FOOTING ON NATURAL UNDISTURBED SOIL OF 75#PC OR COMPACTED ENGINEERING FILL WITH MIN. BEARING CAPACITY OF 150#PC. 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, ENGINEERED FOOTINGS ARE REQUIRED. ACTUAL SOIL BEARING CAPACITY TO BE VERIFIED WITH SOIL ENGINEERING REPORT.

02

 $1/2 = 1-0$

2"X4" DOUBLE STUDS - 3 STOREY

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PREScriptive COMPLIANCE

SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A

PACKAGE A1

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 (R20 c)	3.52 c (R20 c)	*
* PROPOSED VALUES MAY BE SUBSTITUTED W/ 2.1+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

STPD PLAN	548 sq. ft.
GROUND FLOOR AREA	548 sq. ft.
MAIN FLOOR AREA	909 sq. ft.
THIRD FLOOR AREA	1016 sq. ft.
SUBTOTAL	2474 sq. ft.
DEDUCT ALL OPEN AREAS	2 sq. ft.
TOTAL NET AREA	2472 sq. ft.
COVERED	(229.66 sq. m.)
INDOOR PORCH	909 sq. ft.
COVERED	(84.45 sq. m.)
W/ PORCH	1123 sq. ft.
COVERED	(104.33 sq. m.)
CALCULATIONS	EL. A
STPD. PLAN	3948 sq. ft.
GROUND FLOOR AREA	(361.78 sq. m.)
COVERED	286 sq. ft.
INDOOR PORCH	(27.50 sq. m.)
COVERED	7.50 %



THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET FORTH IN THE ONTARIO BUILDING CODE TO BE A DESIGNER, QUALIFICATION INCORPORATION

DEREK R. SANTOS

372

NAME	SIGNATURE	DATE
REGISTRATION INFORMATION		



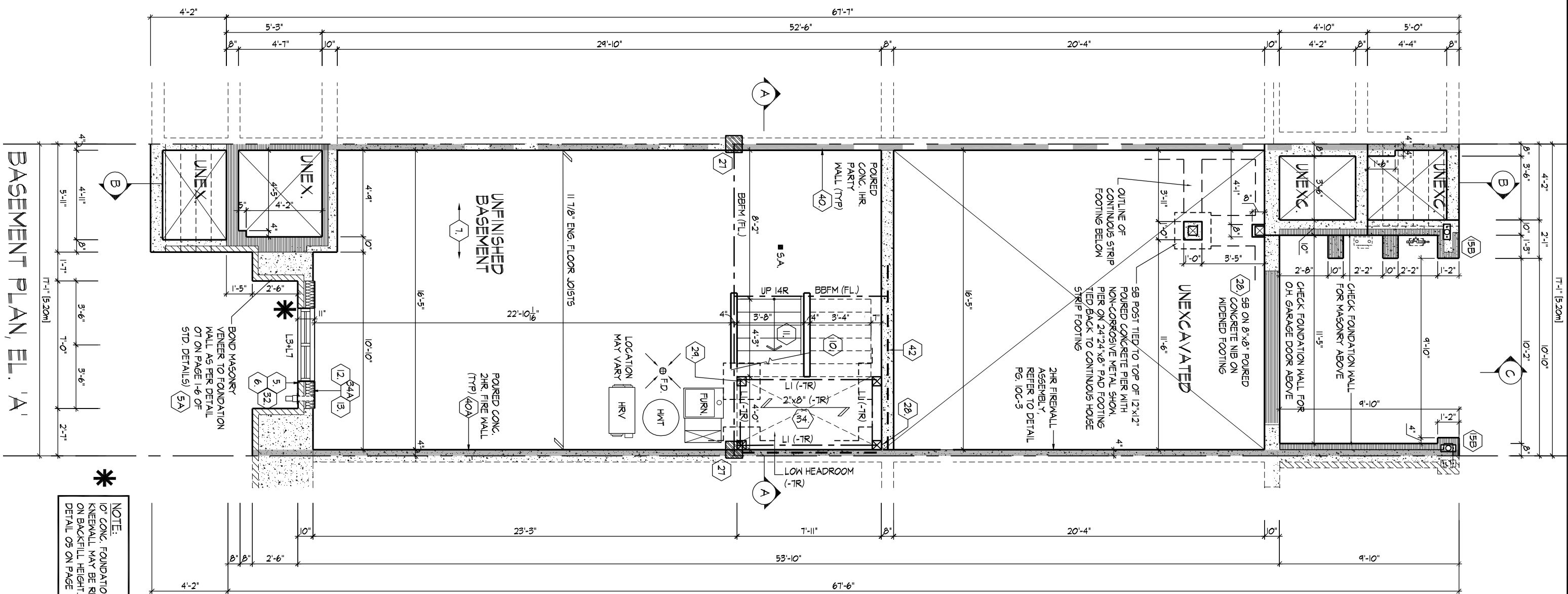
HUNT
DESIGN ASSOCIATES INC.

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

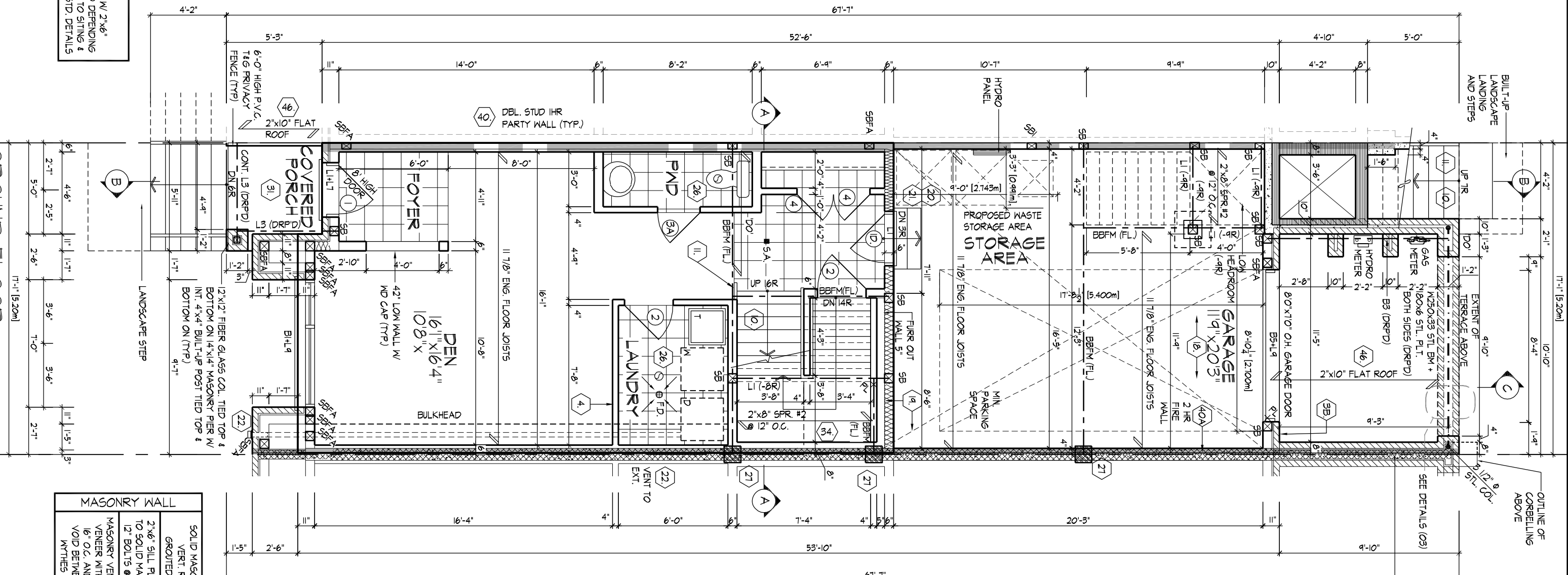
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NS	DS	3/16"=1'-0"	215044WS1701.L

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1 of 8

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NOTE:
10" CONC. FOUNDATION WALL W/ 2"x6"
KNEEWALL MAY BE REQUIRED DEPENDING
ON BACKFILL HEIGHT. REFER TO SITING &
DETAIL 05 ON PAGE 1-5 OF STD. DETAILS.

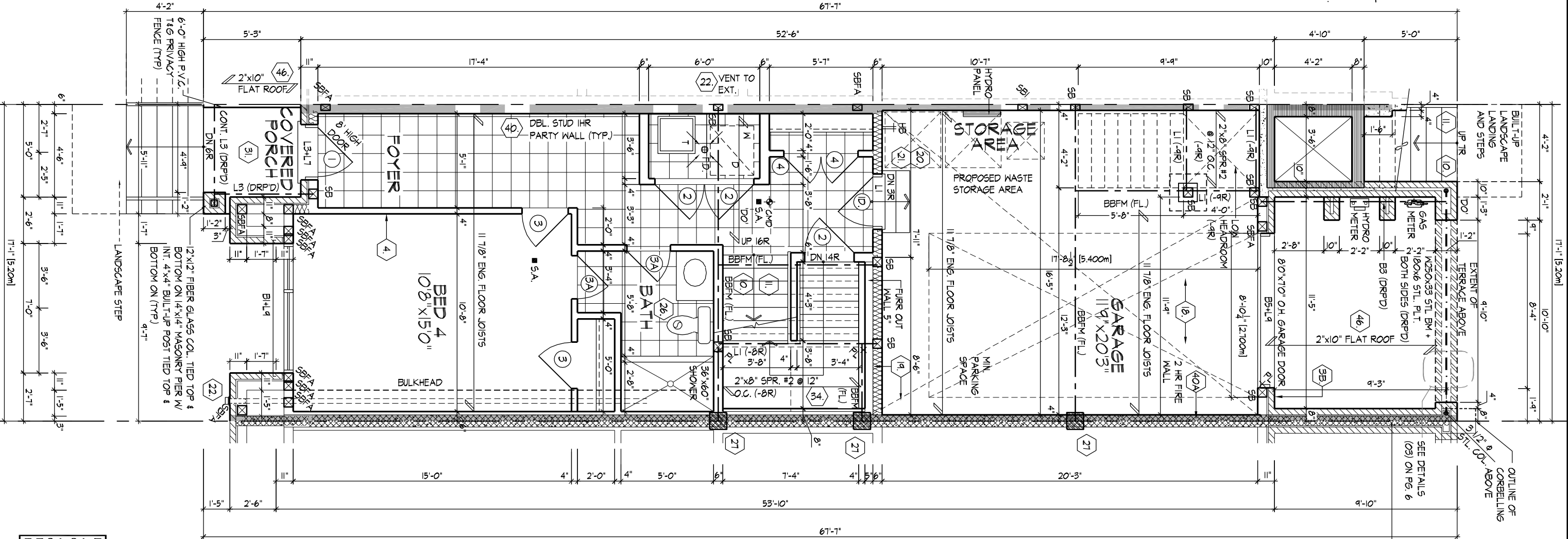


548.67 sq ft
50.97 sq m

908.50 sq ft
84.40 sq m

1122.86 sq ft
104.32 sq m

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



ALL POSTS NOTED AS "S" SHALL BE MIN. 2"x4" OR 2"x2"x6". UNLESS OTHERWISE NOTED AS FOLLOWS:
SBI - MIN. 3"x4"x6" OR 3"x2"x6"
SBI2 - MIN. 4"x2"x4" OR 4"x2"x6"
SBI3 - MIN. 5"x2"x4" OR 5"x2"x6"

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	54 STC (10/8 FR)	RATING
M/C	OBC, S9-3		

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.

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

SECOND FLOOR

NOTE: ACOUSTICAL SEALANT SHALL BE APPLIED AROUND ELECTRICAL BOXES AND OTHER OPENINGS AND AT THE JUNCTION OF INTERSECTING WALLS.

2"x4" CONTINUOUS BASE PLATE

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 SHTG. TIED 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.

TIGHTLY FIT ELECTRICAL OUTLET BOXES TO BE OFFSET WHEN BACK TO BACK. PROVIDE ACOUSTICAL SEALANT AROUND PERIMETER OF BOX AND AT FLOOR/WALL JUNCTION

2"x4" CONTINUOUS BASE PLATE

PROVIDE 2"x4" BLOCKING AS PER MANUF. SPECIFICATIONS

FIRST FLOOR

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

TYPICAL FLOOR CONSTRUCTION

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

MINIMUM 2"x4" SILL PLATE (2"x6" AS REQ.) TIED TO TOP OF POURED CONC. FND. WALL WITH 6" LONG 1/2" Ø ANCHOR BOLTS C/W NUT AND WASHER WITH 2 1/2" HOOK. ANCHOR BOLTS TO BE SPACED NOT MORE THAN 1'-0"

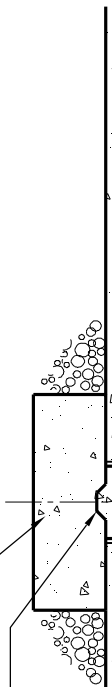
PROVIDE 2 LAYERS 1/2" TYPE X GYPSUM BOARD FIRESTOP (SEPARATELY FASTEN 1 LAYER TO EACH HEADER BEFORE INSTALLATION OF HEADER)

PROVIDE SILL GASKET BETWEEN PLATE AND FOUNDATION WALL. PROVIDE NON-SINK GROUT TO LEVEL PLATE

UNFINISHED BASEMENT

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

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



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 6'-0" (4.4m) MAXIMUM JOIST SPAN ONLY. JOIST SPAN EXCEEDING 6'-0" (4.4m) SHALL BE ENGINEERED. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, CAPACITY TO BE VERIFIED WITH SOIL ENGINEERING REPORT.

NUMBER FT. LONG SUPPORTED	LOAD BEARING IN EXTERIOR	SUPPORTING PARTIAL WALL
1	6" X 6" D	6" X 6" D
2	24" X 6" D	24" X 6" D
3	36" X 14" D	36" X 14" D

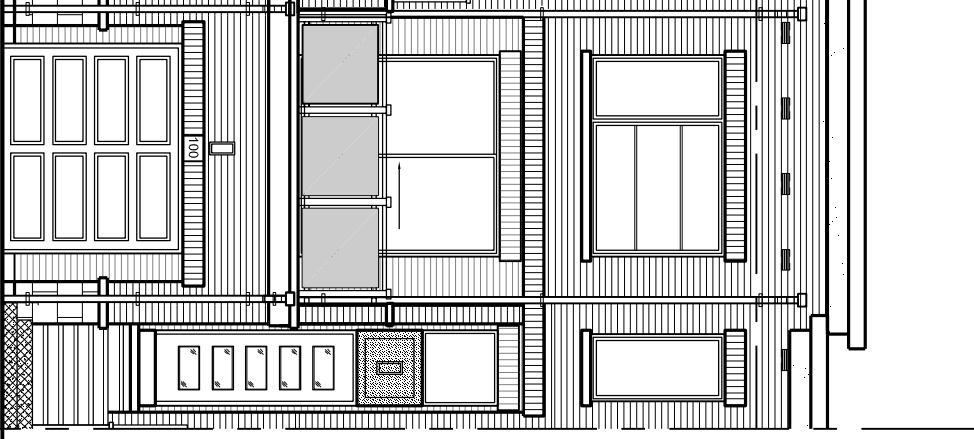
02

1/2" = 1'-0"

TYPICAL 1 HR PARTY WALL SECTION, PARALLEL ROOF TRUSSES,



FRONT ELEVATION 'A'



REAR ELEVATION 'A'

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE COMPLIANCE

SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A

PACKAGE A1

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+R10d1) 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	551 sq. ft.
MAIN FLOOR AREA	945 sq. ft.
THIRD FLOOR AREA	1018 sq. ft.
SUBTOTAL	2514 sq. ft.
DEDUCT ALL OPENINGS	12 sq. ft.
TOTAL NET AREA	2502 sq. ft.
	(232.44 sq. m.)
COVERARGE	945 sq. ft.
W/O/UT PORCH	(87.79 sq. m.)
COVERARGE	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	290 sq. ft.
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 FORTH IN THE NATIONAL BUILDING CODE OF CANADA (N.B.C.) AND THE CANADIAN INSULATION CODE OF CANADA (C.I.C.).

DESIGNER: SANTOS

37938

ROD

19605

HUNT DESIGN ASSOCIATES INC.

DESIGN ASSOCIATES INC.

VANCOUVER, BC, CANADA

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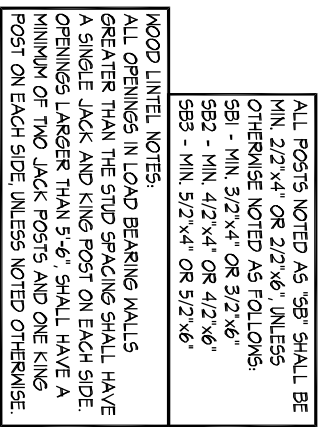
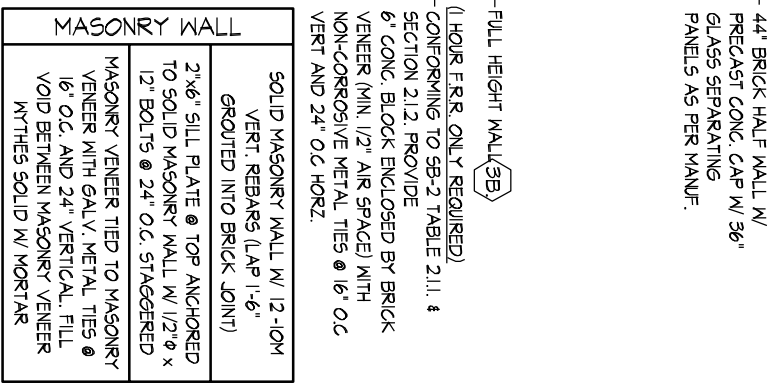
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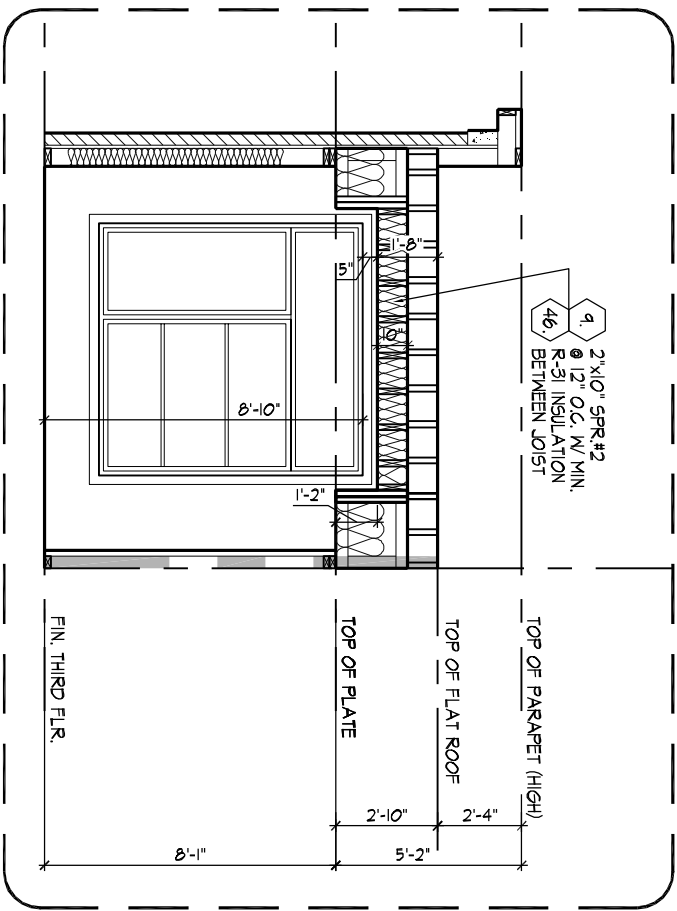
REV. 2018.12.10

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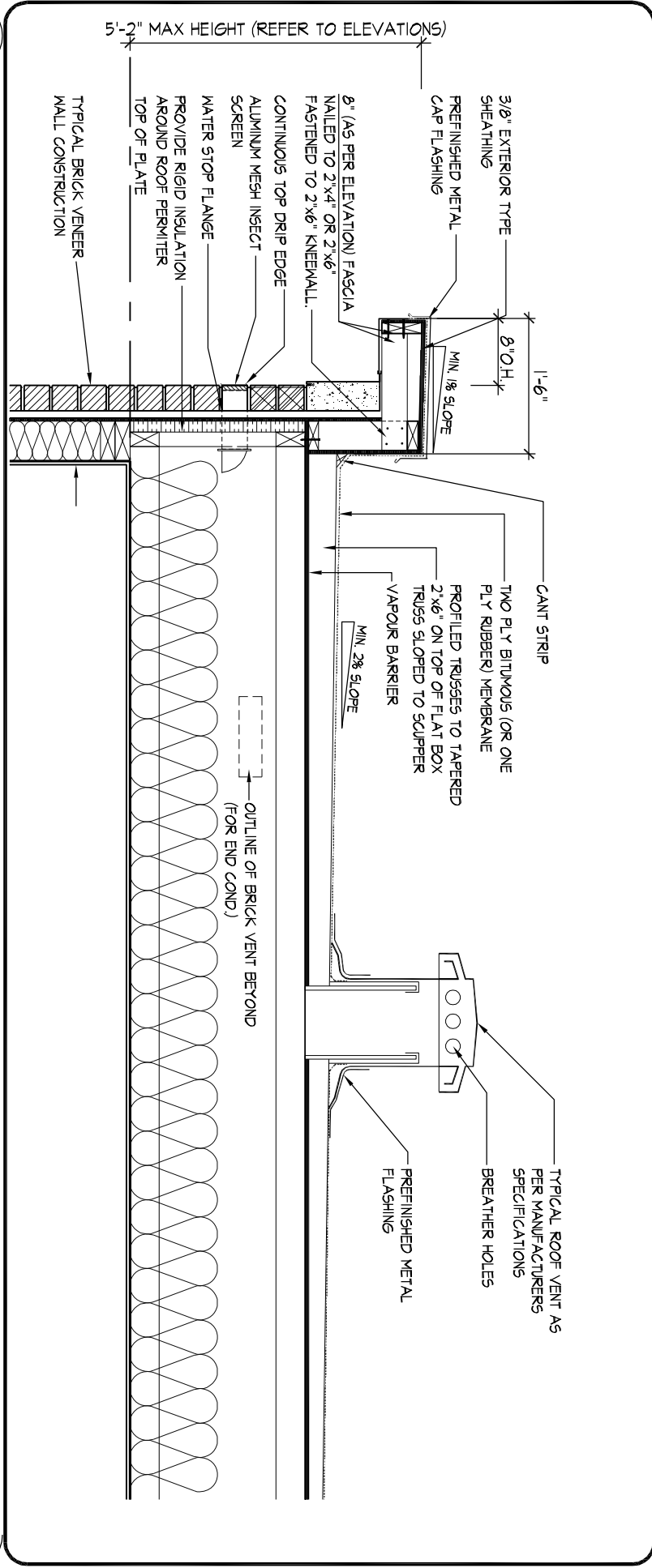
- 1 - TITLE PAGE
- 2 - BASEMENT PLAN, EL. 'A', GROUND FLOOR PLAN, EL. 'A'
- 3 - MAIN FLOOR PLAN, EL. 'A', THIRD FLOOR PLAN EL. 'A' & DETAILS
- 4 - FRONT, REAR ELEVATION 'A' & DETAILS
- 5 - CROSS SECTION 'A-A' & DETAILS
- 6 - PARTIAL CROSS SECTION, ROOF PLAN & DETAILS
- 7 - CONSTRUCTION NOTES 1 & 2

7. -	-	-
6. ISSUED FOR FINAL APPROVAL	-	-
5. REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	-
4. REVISED AS PER STRUCTURAL ENGINEER COMMENTS	REV.2018.08.07	MM
3. COORDINATE AS PER ROOF TRUSS & FLOOR MANUFACTURE PLANS	-	-
2. REVISED AS PER CLIENT'S COMMENTS (2018)	REV.2018.10.19	DS
1. ISSUED FOR CLIENT REVIEW	2018.04.03	DS
REVISIONS	DATE (YYYYMMDD)	BY

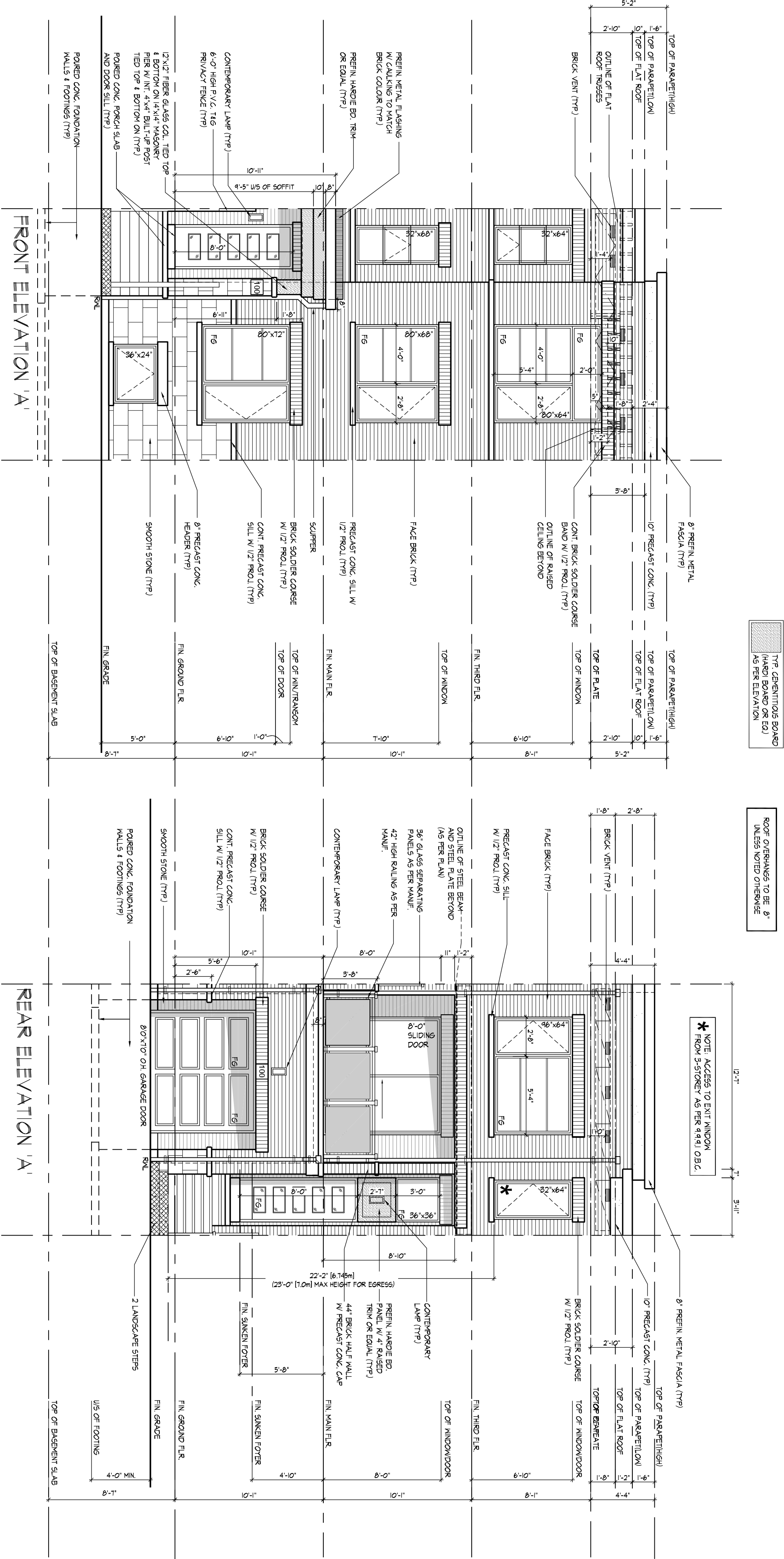


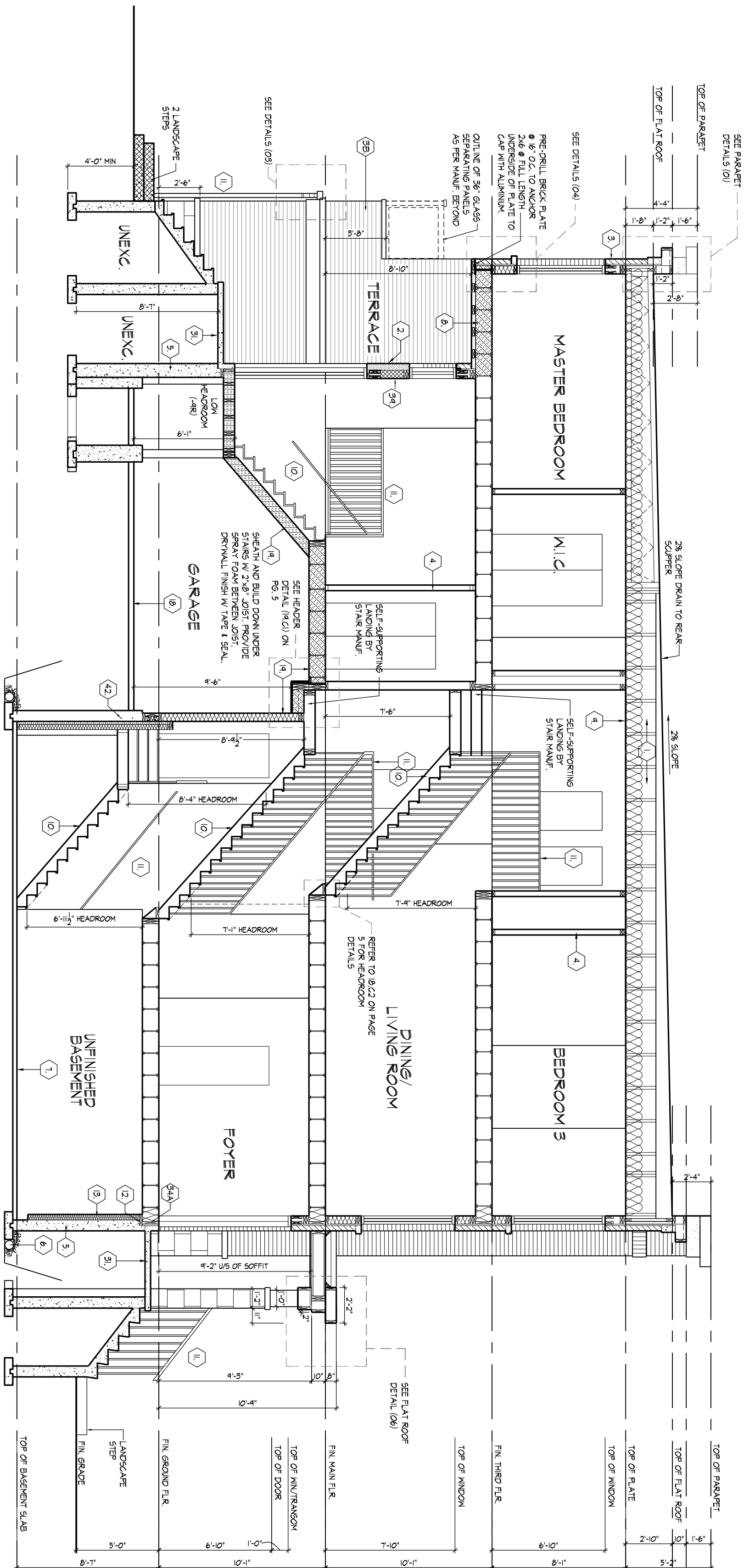
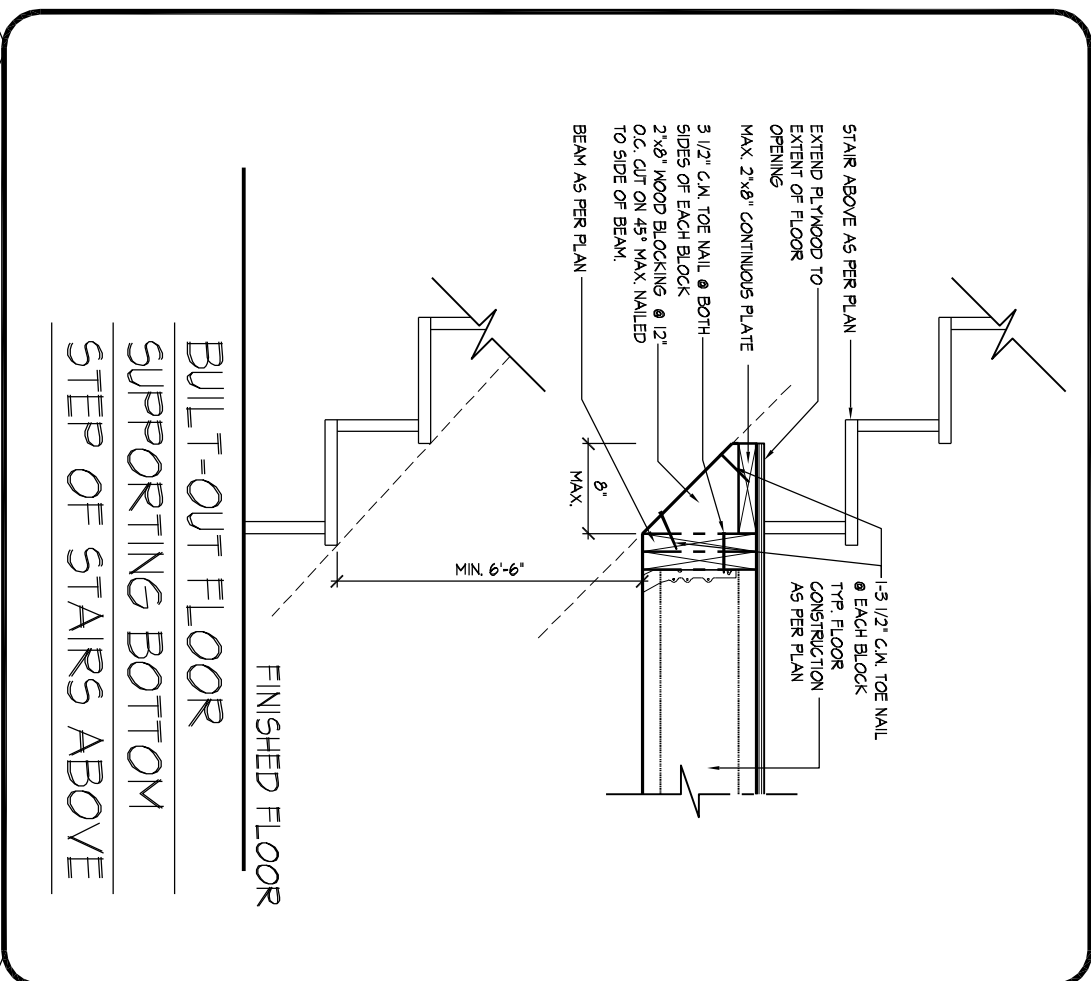
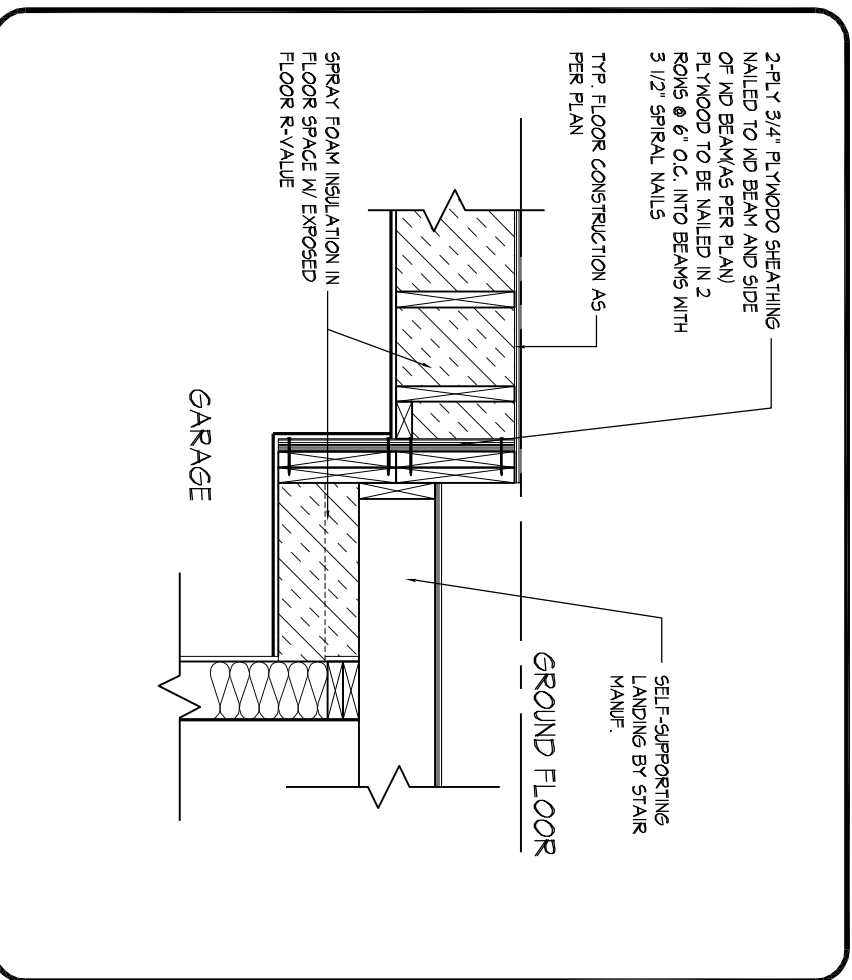
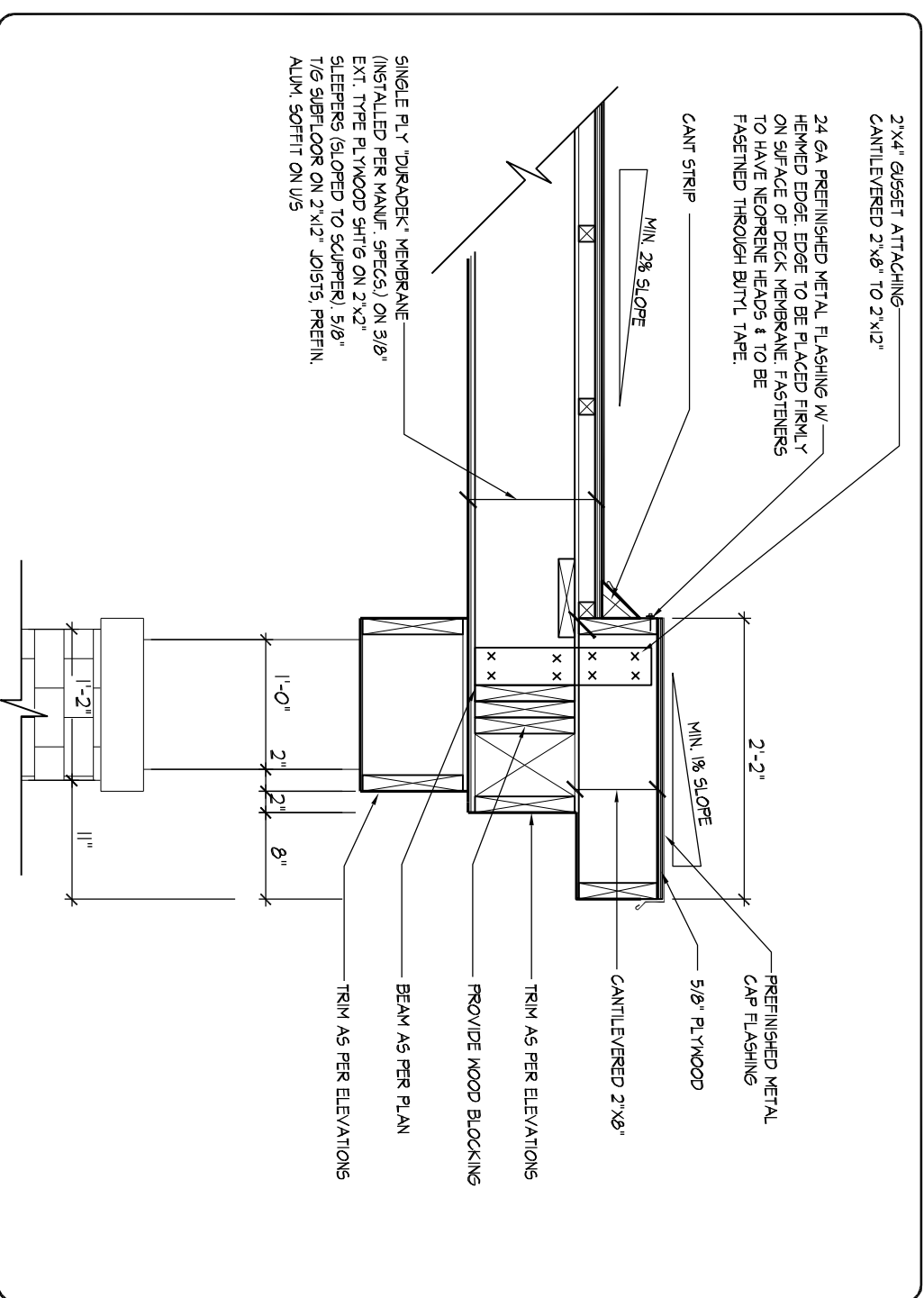


FRAMING SECTION @ FRONT 3RD FLOOR WINDOW



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





REFER TO SB-12 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.

- [illegible]

REFER TO SB-12 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.

3.3. DOOR SCHEDULE

- | | | |
|----|----------|--|
| 1 | EXTERIOR | 2-8" 6-9-8" 1-3/4" (915 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) |
| 1A | EXTERIOR | 2-10" 6-8" 1-3/4" (965 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) |
| 1B | EXTERIOR | 3-0" 6-8" 1-3/4" (915 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) |
| 1C | EXTERIOR | 2-6" 6-8" 1-3/4" (760 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) |

INTERIOR	1'-6" x 6'-8" x 1'-3/8" (460 x 2030 x 35)
5	

- ### 3.4. ACRONYMS









3.4. ACRONYMS

- [illegible]






E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	RWL	RAIN WATER LEADER
CND	COLD BEARING WOOD DOCT		

- | | | | |
|-----|---------------------------|-----|---------------------------|
| ENG | ENGINE | SBR | SOLID RUBBER IN WOOD POST |
| EST | ESTIMATED | SEA | SEA BOARD ABOVE |
| FA | FLAT ARCH | SL | SINGLE JOIST |
| FD | FLOOR DRAIN | SPR | SPRUCE |
| FG | FIBER GLASS | STL | STEEL |
| FLR | FLOOR | TOP | TOP OF |
| FLR | FLOOR | TP | TYPICAL |
| GT | GROUNDER TRUSS | US | UNDERSIDE |
| H8 | HOSE BIB | WD | WOOD |
| HV | HEAT RETURN VENTILATION | WMC | WALK IN CLOSET |
| INT | INTERIOR VENTILATION INT. | WTR | WATERING TANK |

3.5. SYMBOLS

- | | | | |
|---|---|---|---------------------------------|
|  | ROUGH IN FOR ELECTRIC VEHICLE CHARGING STATION (9.34.4) |  | EXHAUST VENT |
|  | HEAVY DUTY OUTLET |  | DUPLEX OUTLET (HEIGHT AS NOTED) |
|  | DUPLEX OUTLET (12" HIGH) |  | SWITCH (2/3/4 WAY) |
|  | CLASS B VENT |  | LIGHT FIXTURE (CEILING MOUNT) |











































	POT LIGHT		LIGHT FIXTURE (WALL MOUNTED)
---	-----------	---	------------------------------

- | | | |
|---|----------------------------|---|
|  | TELEPHONE JACK | <p>PROVIDE ONE PER FLOOR. NEAR THE STAIRS CONNECTING THE FLOOR LEVEL. ALARM ARE TO BE INSTALLED IN EACH SLEEPING ROOM AND IN A LOCATION BETWEEN SLEEPING ROOMS AND CONNECTING HALLWAYS AND ADMITTED TO BE INTERCONNECTED.</p> <p>SA SMOKE ALARM (3/10/18)</p> |
|  | CHANGELIER (CEILING MOUNT) | |
|  | | |
|  | | |
|  | | |

TEMPORAL SOUND PATTERNS MIN. ALARMS SHALL HAVE A VISUAL SIGNALLING

- COMPONENTS PER THE "NAI MODEL" (THE ALARM AND SIGNALING CODE 172):
- | | | | |
|---|----|---|---|
| 1 | SB | SOLID BEARING (BUILT-UP WOOD COLUMNS AND STUD POST) | **CND CARBON MONOXIDE ALARM (9.330.4) |
| 2 | | | **CHECK LOCAL BY-LAWS FOR REQUIREMENTS ** CARBON MONOXIDE ALARM(S) CONFORMING TO CAN/CSA-9.3 SHALL BE INSTALLED ON OR NEAR THE CEILING IN EACH DWELLING UNIT ADJACENT TO EACH SLEEPING AREA (CARBON MONOXIDE ALARM(S) SHALL BE PERMANENTLY WIRED WITH NO DISCONNECT SWITCH - WITH AN ALARM THAT AUDIBLE WITHIN SLEEPING ROOMS WHEN THE INTERVENING DOORS ARE CLOSED). |

SUPPORTED MEMBER, BUILT-UP WOOD COLUMNS SHALL BE NAILED TOGETHER WITH NOT LESS THAN THREE NAIL S SPACED NOT MORE THAN 4 3/4" (99.0) O.C. THE NAIL SPACING SHALL BE 12" (305.0) O.C. FOR THE TOP AND BOTTOM JOINTS AND 18" (457.0) O.C. FOR THE MIDDLE JOINTS.

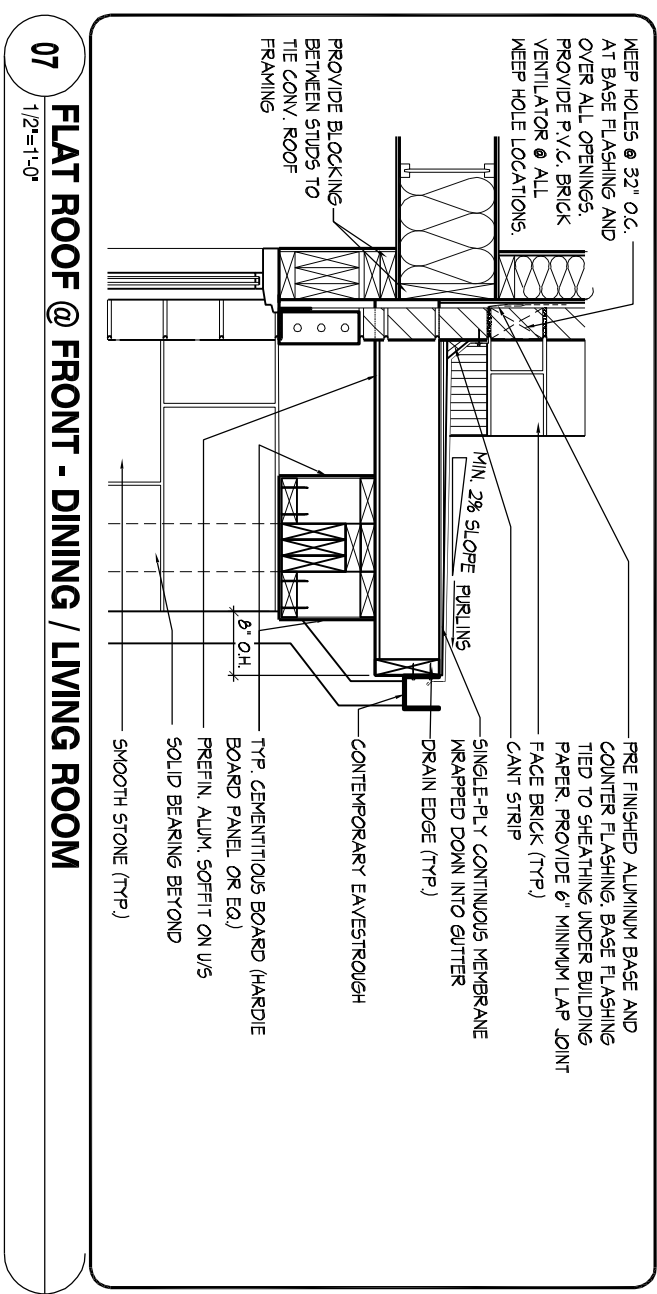
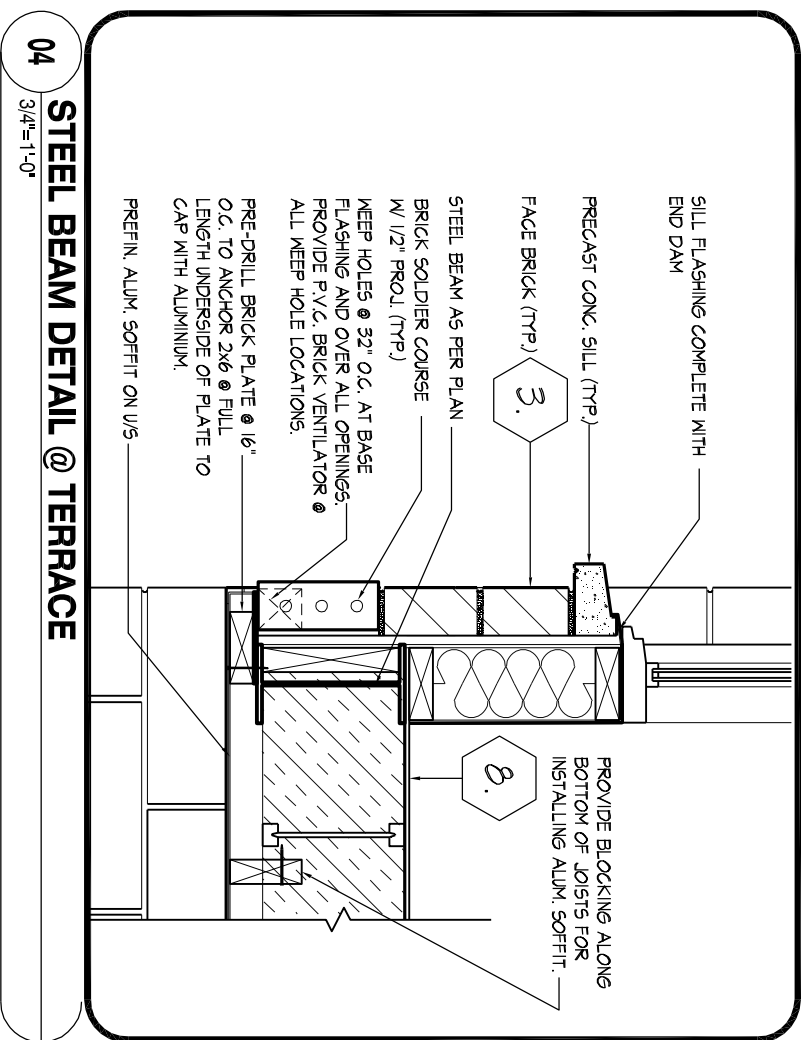
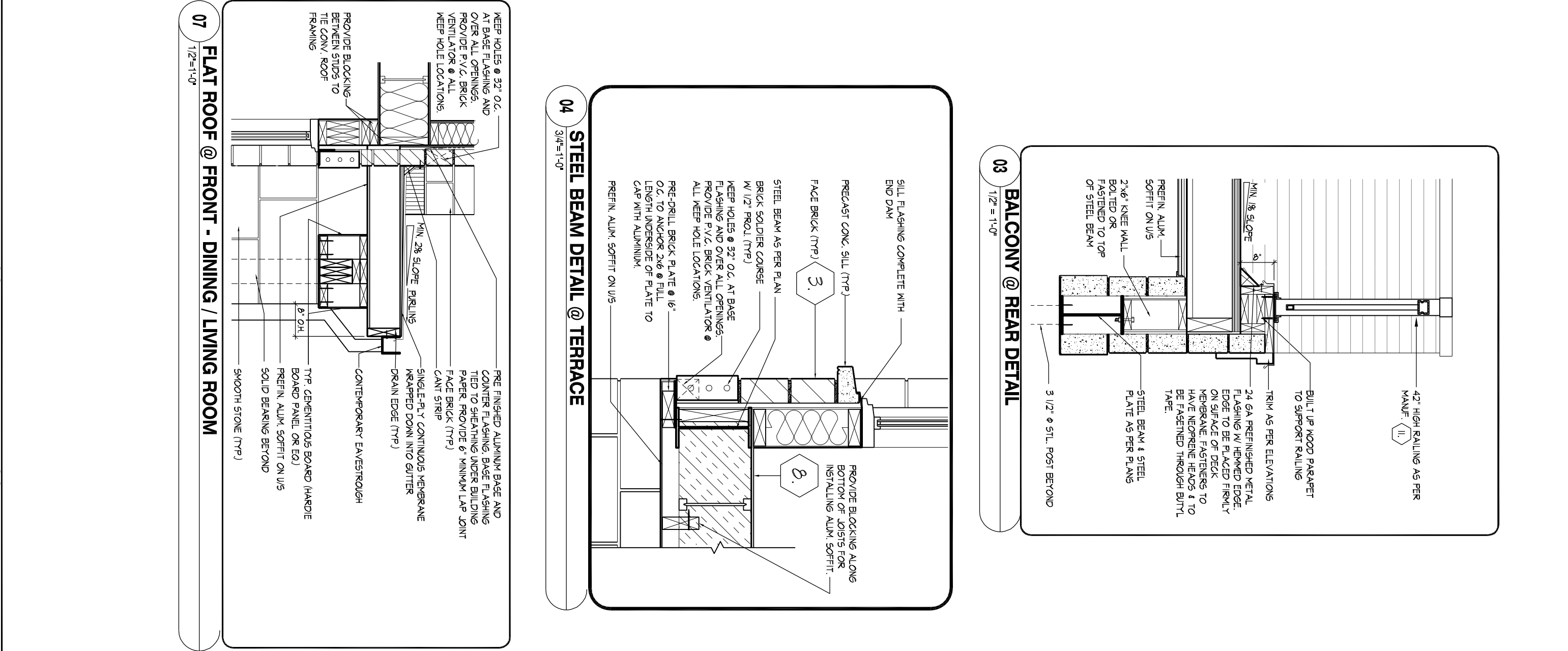
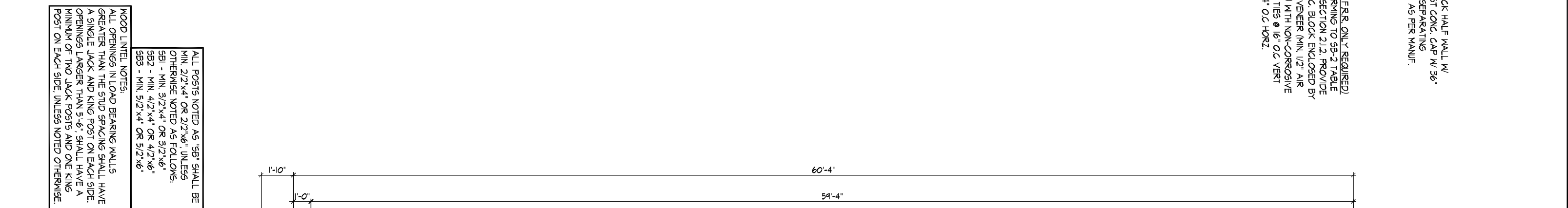
-  VARNISH PLATES, BUILT-UP FLOORS, BEARING WALLS, ICE & WATER SHEEDS
 EXPOSED BUILDING FACE - O.B.C. @ 10, 14, OR @ 10, 15, REFER TO HEX NOTE 35, & DETAILS FOR TYPE AND SPECIFICATIONS.
 2x6 STRYER FLOOR SPACE, SEE CONSTRUCTION NOTE 39.
 2x6 STRYER FLOOR SPACE, SEE CONSTRUCTION NOTE 39.
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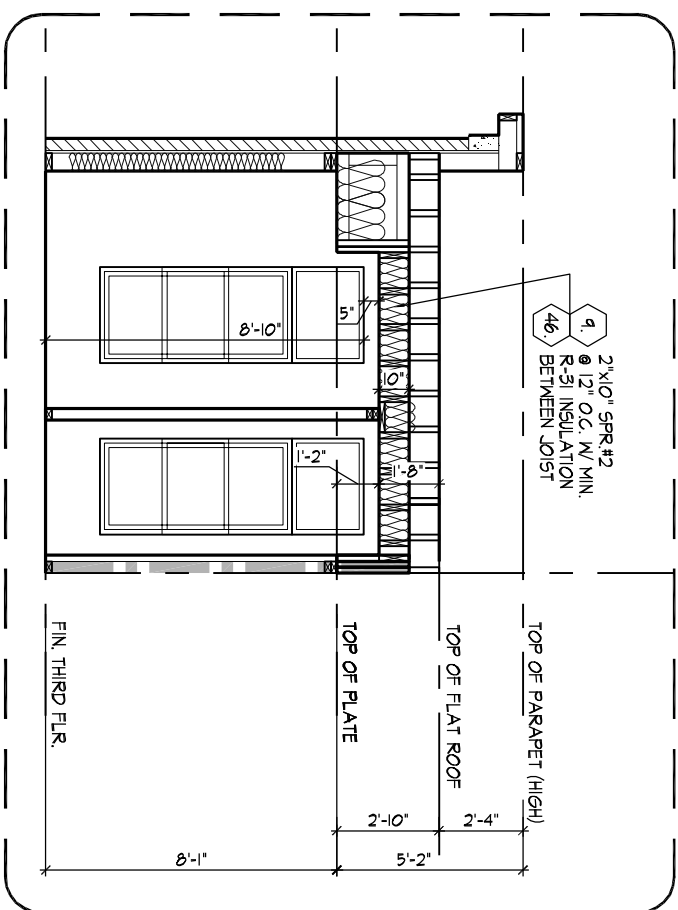
REFER TO HEX NOTE 40.	REFER TO HEX NOTE 40A.
-----------------------	------------------------

- | | |
|-----------------------------------|----------|
| SECTION 4.0. CLIMATIC DATA | |
| DESIGN SNOW LOAD (9.4.2.2.): | 1.12 kPa |
| WIND LOAD (q50) (SB-1.2.): | 0.44 kPa |
| STAMP | |

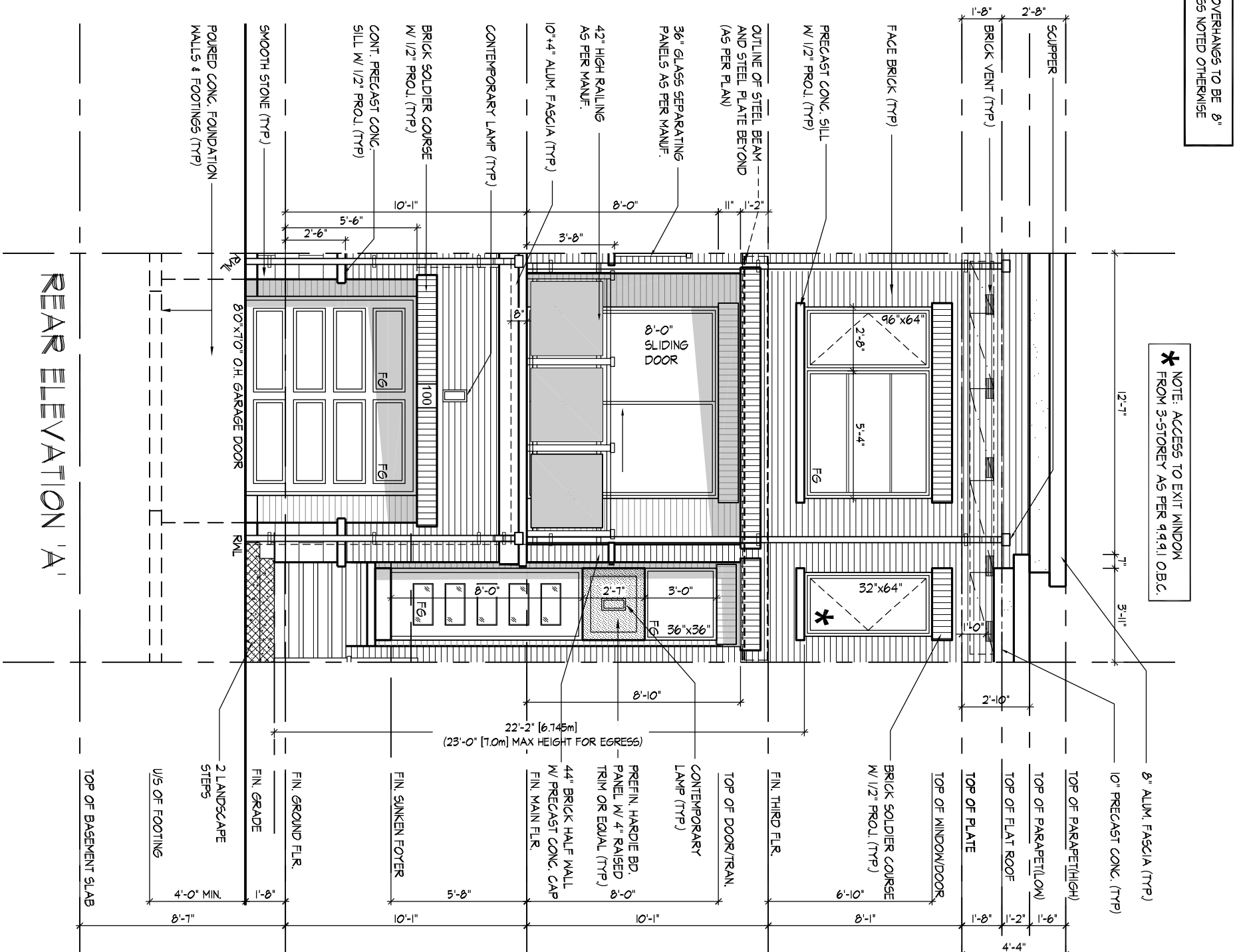
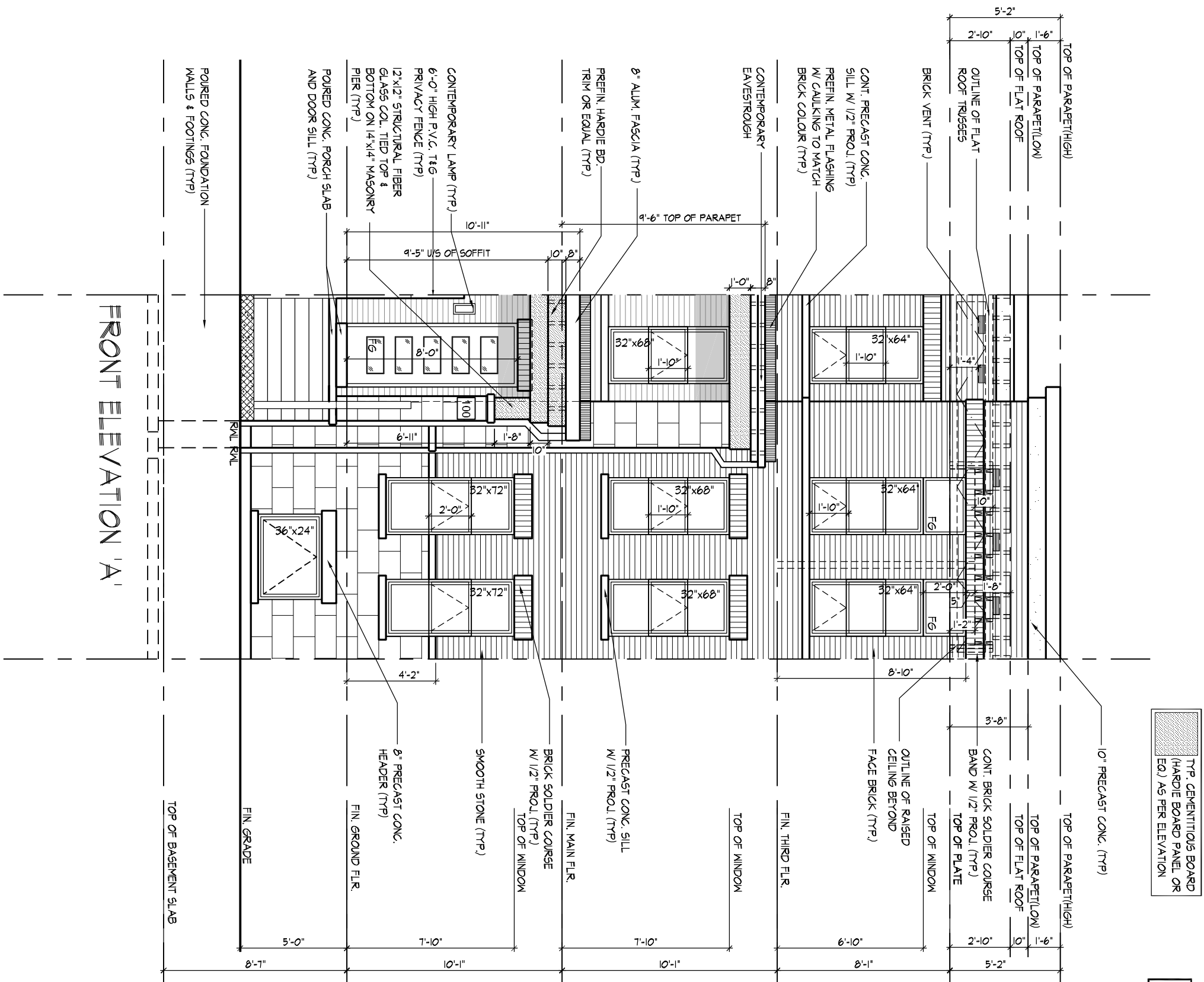
CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB. REPORT ANY DISCREPANCIES TO HUNT DESIGN ASSOCIATES INC. (H.D.A.) BEFORE PROCEEDING WITH THE WORK. ALL THE DRAWINGS &

- SPECIFICATIONS ARE THE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF HDAL. ALL CONSTRUCTION TO ADHERE TO THESE PLANS AND SPECIFICATIONS AND TO CONFORM TO THE OMRAD BUILDING CODE, AND ALL OTHER APPLICABLE CODES AND JURISDICTIONS HAVING JURISDICTION OVER CONSTRUCTION NOTE REVISION DATE: **Jun. 11 2018** CONSTRUCTION NOTE: HDAL, 11000 14TH AVE. S.W., SUITE 100, BELLEVUE, WA 98005-4000, TEL: 206.335.7272

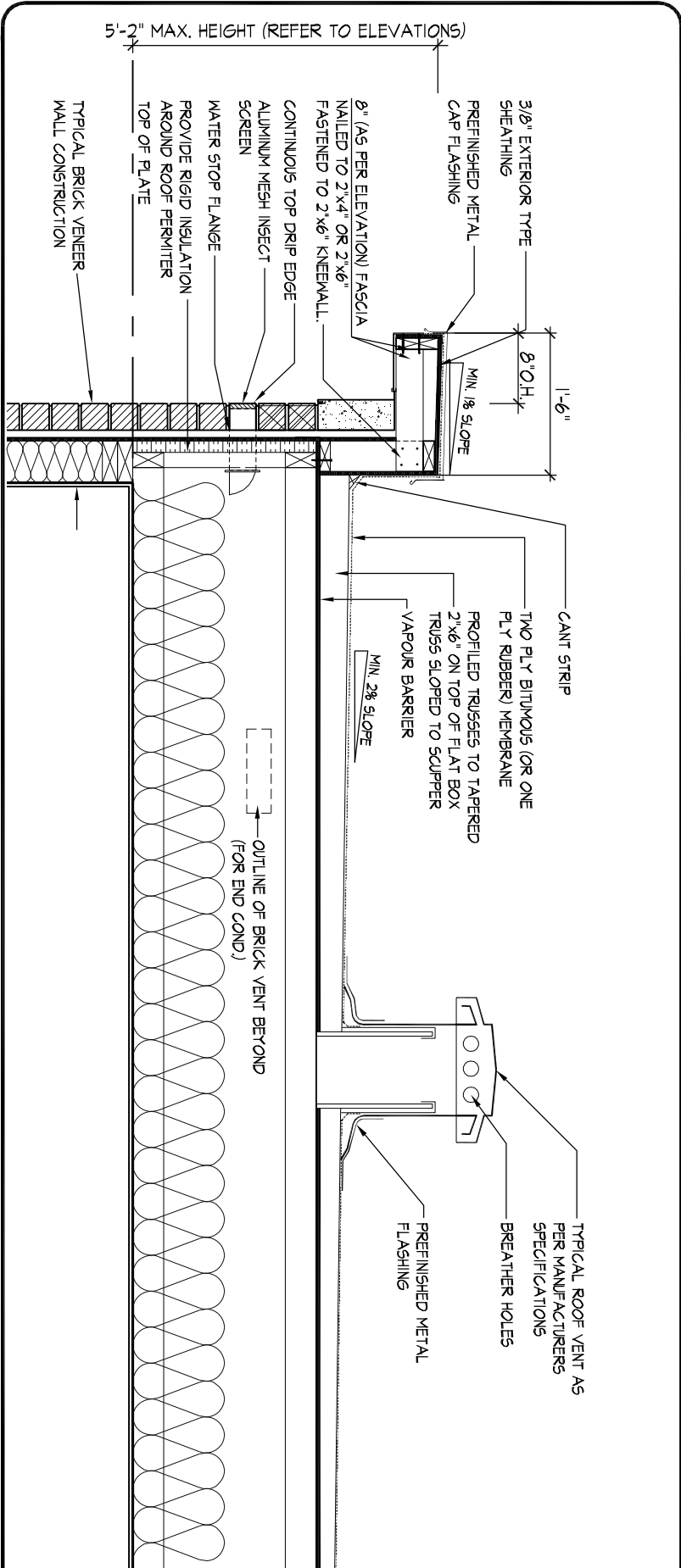




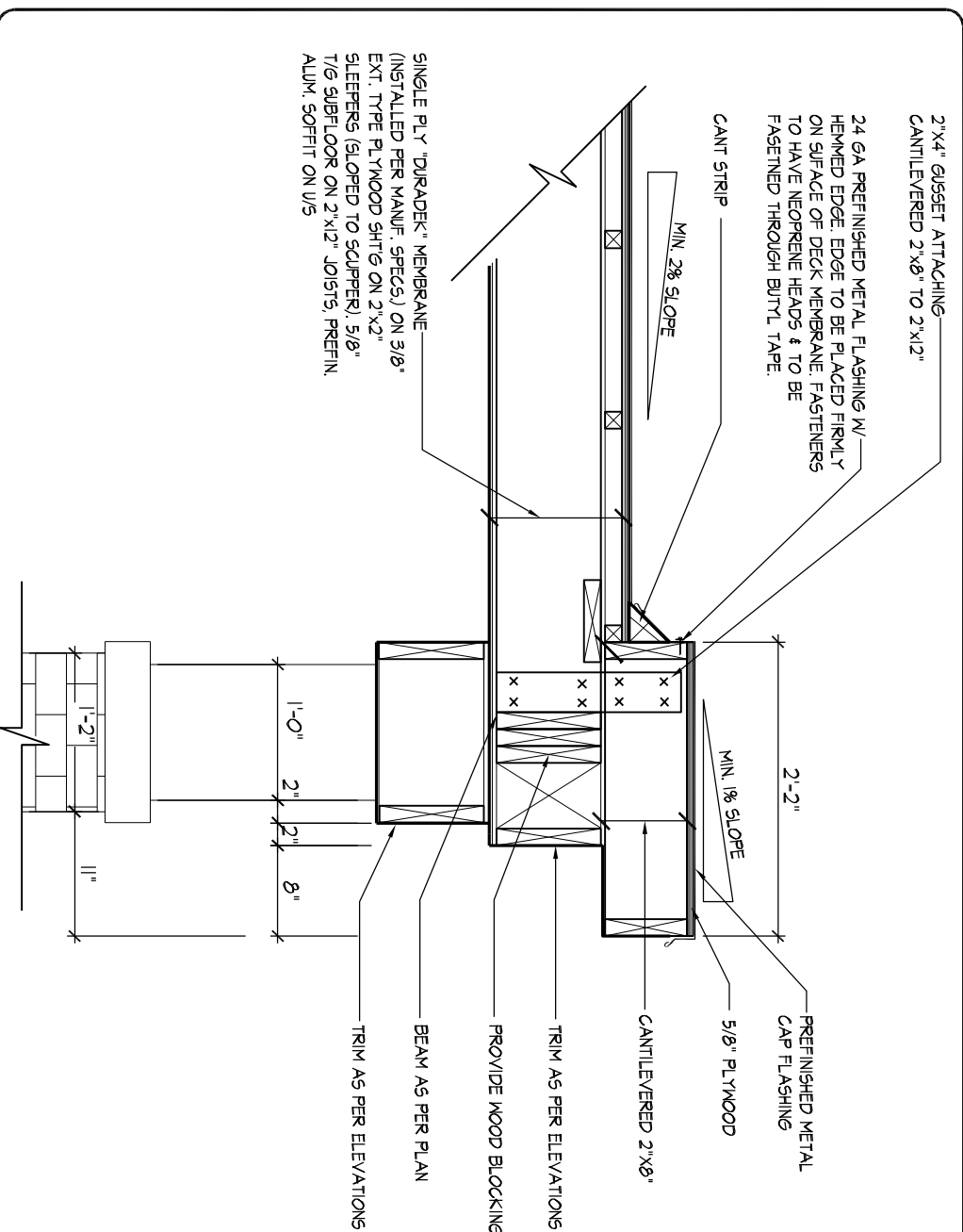
FRAMING SECTION @ FRONT 3RD FLOOR WINDOW



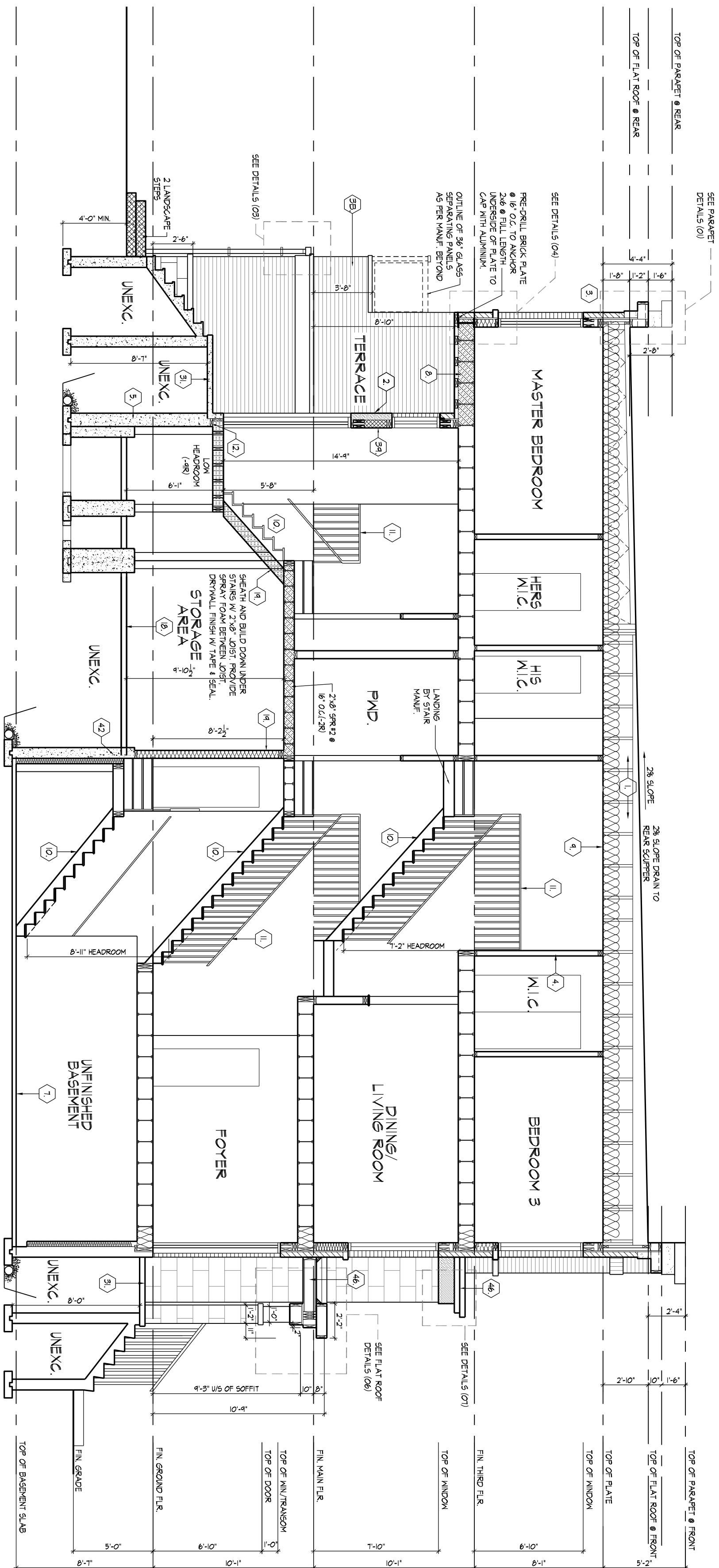
REAR ELEVATION 'A'



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



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



CROSS SECTION 'A-A'



<p>ROOF SPACE TO BE VENTED AT 1:1.50 OF INSULATED CEILING.</p> <p>(AS PER O.B.C. 9.19.1)</p>	
TOTAL ROOF SPACE	1030.17 ft ²
TOTAL VENTILATION SPACE REQ'D	1030.17 ft ² x 0.006 = 6.18 ft ²
ROOF VENT SIZE	12x12" = 1.0 ft ²
<p>MIN. 25% OF VENTING LOCATED AT THE TOP OF ROOF</p>	
TOTAL # OF ROOF VENTS	5
TOTAL VENTILATION FROM ROOF VENTS	5 x 1.0 ft ² = <u>5.0 ft²</u>
<p>MIN. 25% OF VENTING LOCATED AT THE BOTTOM OF ROOF (MIN. 1.54x5 ft²)</p>	
BRICK VENT SIZE	4x10" = 0.278 ft ²
TOTAL # OF BRICK VENTS	10
TOTAL VENTILATION FROM ROOF VENTS	10 x 0.278 ft ² = <u>2.78 ft²</u>
TOTAL VENTILATION SPACE FROM ROOF & BRICK VENTS	2.78 ft ² + 5.0 ft ² = <u>7.78 ft²</u>

FIRE RATINGS - PARTY WALL TRUSS SPACE (OBC REF - S9-2.3)			
COMPONENT	FIRE RATING	CODE REFERENCE	
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	
M/C	OBC, S9-3	54 STC (10/8 FR)	

FILL ANY VOID TO INSIDE 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 1 EAVES 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.

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.

SECOND FLOOR

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

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 SHTG. TIED 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. YACOD SHEATHING @ 24" O.C. VERT. ON EXTERIOR FACE OF STUD (IN AIR SPACE).

FIRST FLOOR

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

MINIMUM 2"x4" SILL PLATE (2"x6" AS REQ.), TIED TO TOP OF POURED CONC. FND. WALL WITH 8" LONG 1/2" ANCHOR BOLTS C/N INT. AND W/ASHER WITH 2 1/2" HOOK. ANCHOR BOLTS TO BE SPACED NOT MORE THAN 1'-0" O.C. AND EMBEDDED NOT LESS THAN 4" INTO CONC. PROVIDE SILL GAGGET BETWEEN PLATE AND FOUNDATION WALL. PROVIDE NON-SHINK GROUT TO LEVEL PLATE.

UNFINISHED BASEMENT

8" POURED 15 MPa CONCRETE FOUNDATION WALL ON POURED CONC. FOOTING

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

CONTINUOUS KEY IN CONCRETE

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

MINIMUM STRIP FOOTING SIZES (R4.5.3)

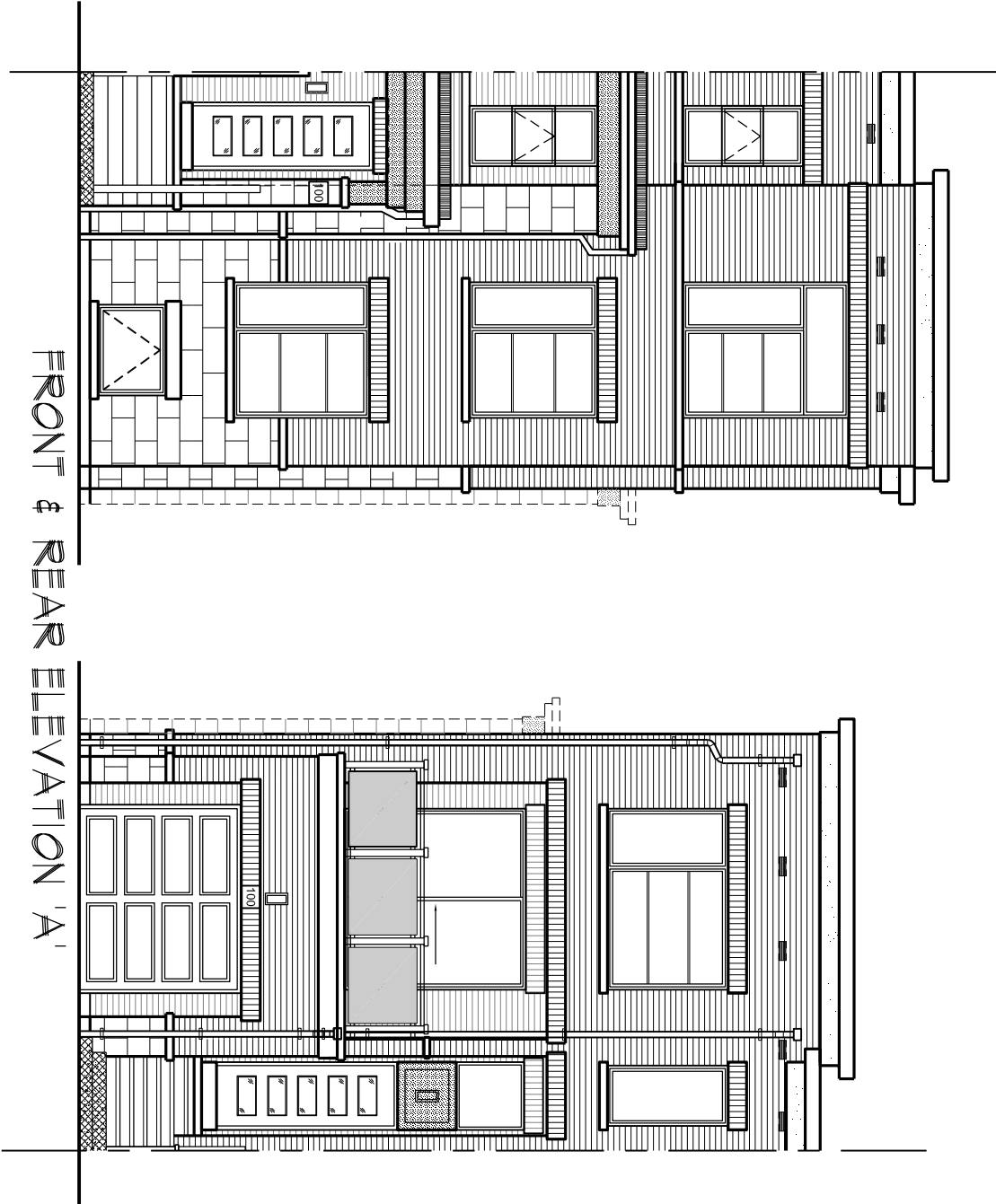
NUMBER FT. LONG SUPPORTED	LOAD BEARING IN EXTERIOR	SUPPORTING WALL
1	16' x 6' D	6' x 6' x 6' D
2	24' x 6' D	20' x 6' x 6' D
3	36' x 6' D	36' x 6' x 6' D

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 6'-0" (4.4m) MAXIMUM JOIST SPAN ONLY. JOIST SPAN EXCEEDING 6'-0" (4.4m) SHALL BE ENGINEERED. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED FOOTINGS ARE REQUIRED. ACTUAL SOIL BEARING CAPACITY TO BE VERIFIED WITH SOIL ENGINEERING REPORT.

NOTE: FOOTING SIZE SUBJECT TO CERTIFICATION BY A SOIL CONSULTANT.

02

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



UNIT 1704

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE COMPLIANCE

SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A

PACKAGE A1

BUILDING COMPONENT	SPACE HEATING FUEL		REQUIRED	PROPOSED
	<input checked="" type="checkbox"/> GAS	<input type="checkbox"/> OIL		
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 c1	3.52 c1		
* PROPOSED VALUES MAY BE SUBSTITUTED W/ 2.11+1.76d1 (R12+R10d1) BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	(R20 c1) *	(R20 c1) *		
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	STD. PLAN
586 sq. ft.	
SECOND FLOOR AREA	
1018 sq. ft.	
THIRD FLOOR AREA	
1083 sq. ft.	
SUBTOTAL	2687 sq. ft.
DEDUCT ALL OPENINGS	0 sq. ft.
TOTAL NET AREA	2687 sq. ft.
COVERAGE W/OUT PORCH	(249.63 sq. m.)
970 sq. ft.	
COVERAGE W/ PORCH	(90.12 sq. m.)
1177 sq. ft.	
WINDOW / WALL AREA CALCULATIONS	
EL. A	EL. A
STD. PLAN	CRN. PLAN
4226 sq. ft.	4226 sq. ft.
GROSS WALL AREA	(392.61 sq. m.)
(392.61 sq. m.)	(392.61 sq. m.)
GROSS WINDOW AREA	435 sq. ft.
435 sq. ft.	507 sq. ft.
(40.41 sq. m.)	(47.10 sq. m.)
INCL. GLASS DOORS & SKYLIGHTS	
TOTAL WINDOW %	10.29 %
	12.00 %



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 INTERPRETATION CODE (CIC) FOR RESIDENTIAL BUILDINGS.

DESIGNER: SANTOS

DATE: 3/16/21

DESIGN ASSOCIATES INC.

19605

ROYAL PINE HOMES - 215044

FORESTSIDE ESTATES PH6, BRAMPTON, ONT.

DESIGN ASSOCIATES INC.

8866 Woodbine Ave, Markham, ON L3R 0J7

T 905.737.5133 F 905.737.7258

ROYAL PINE HOMES - 215044

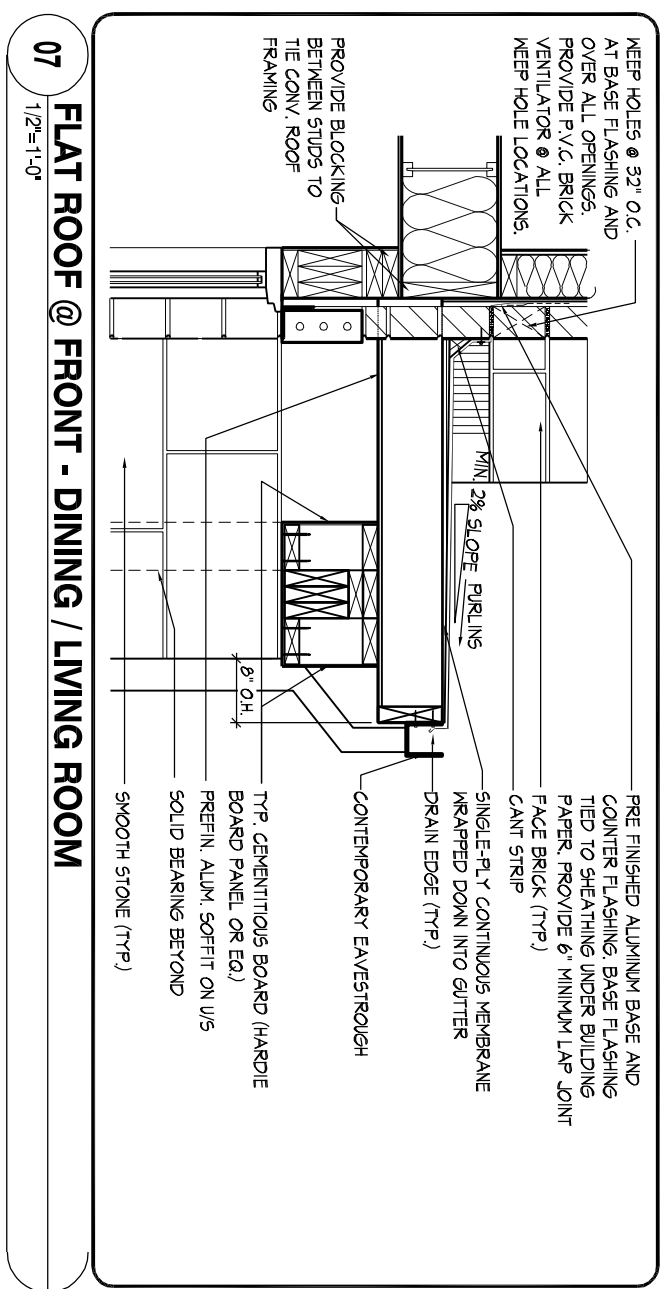
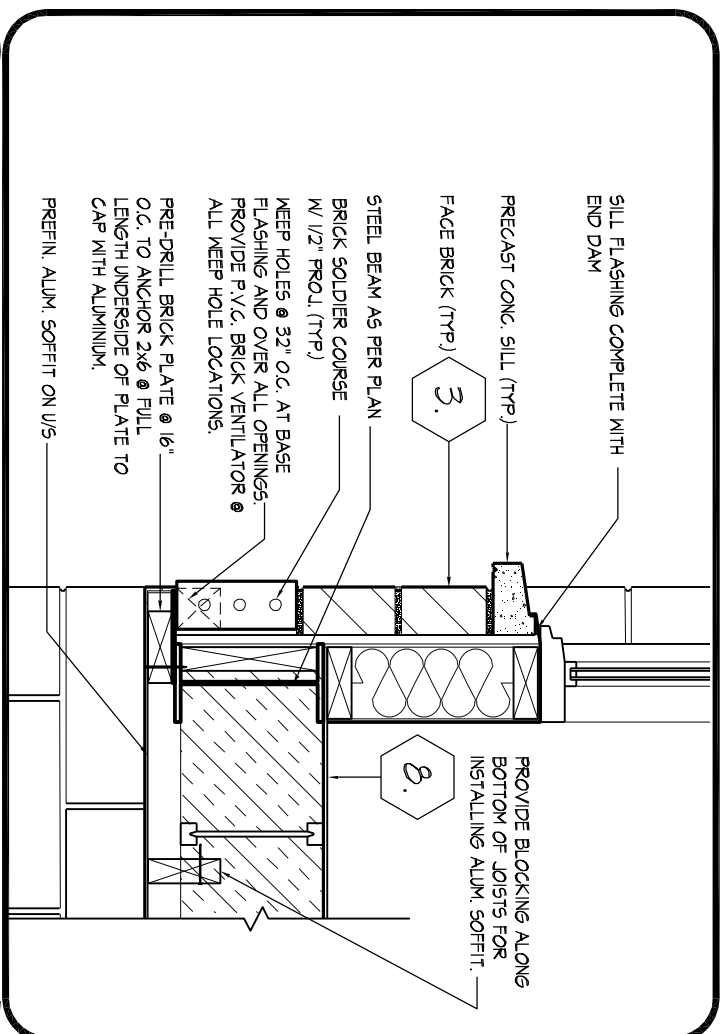
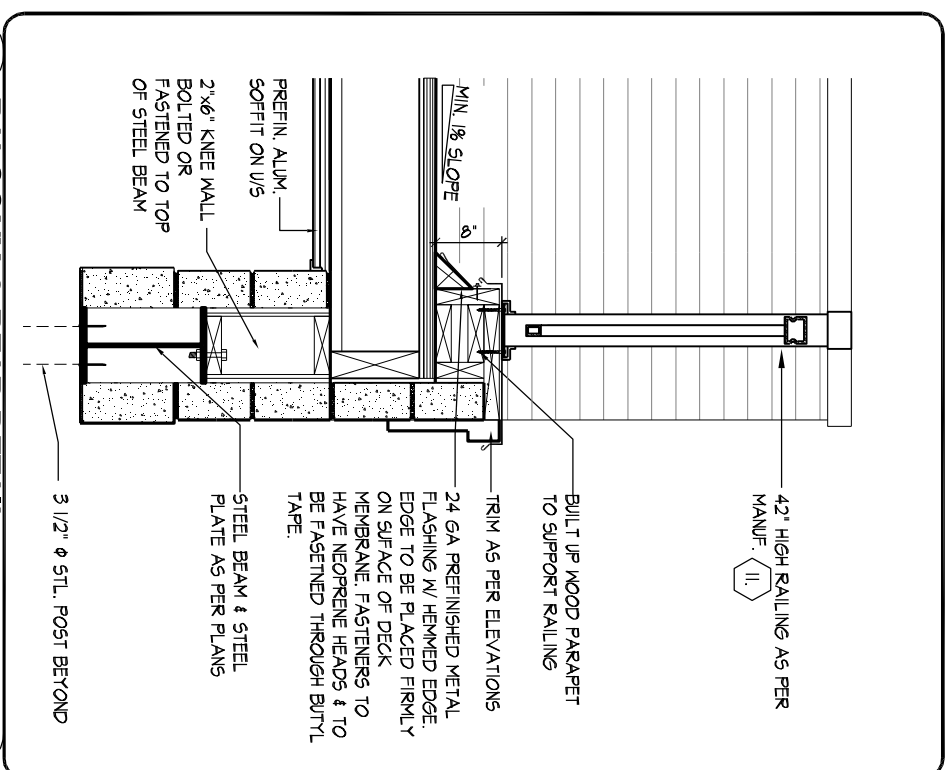
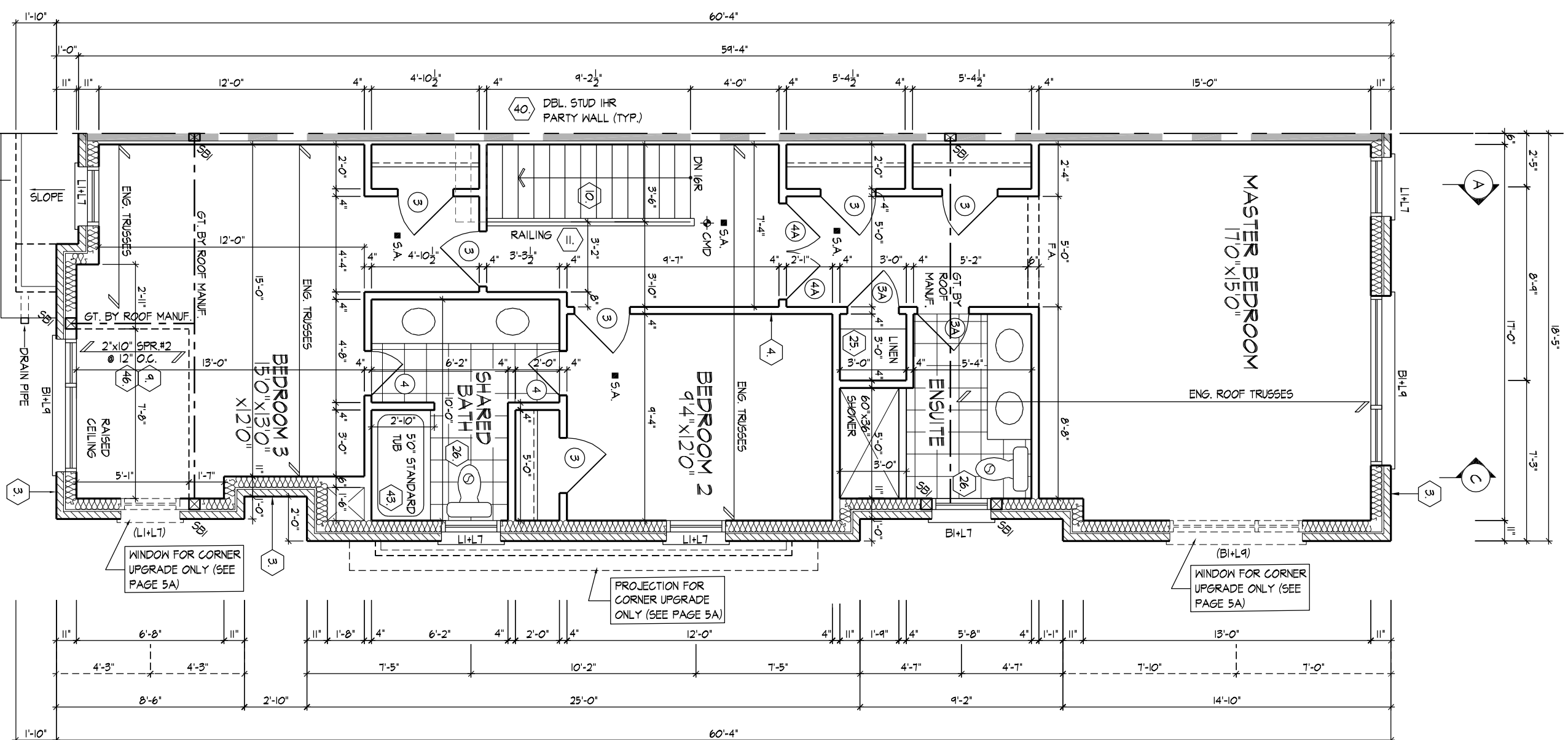
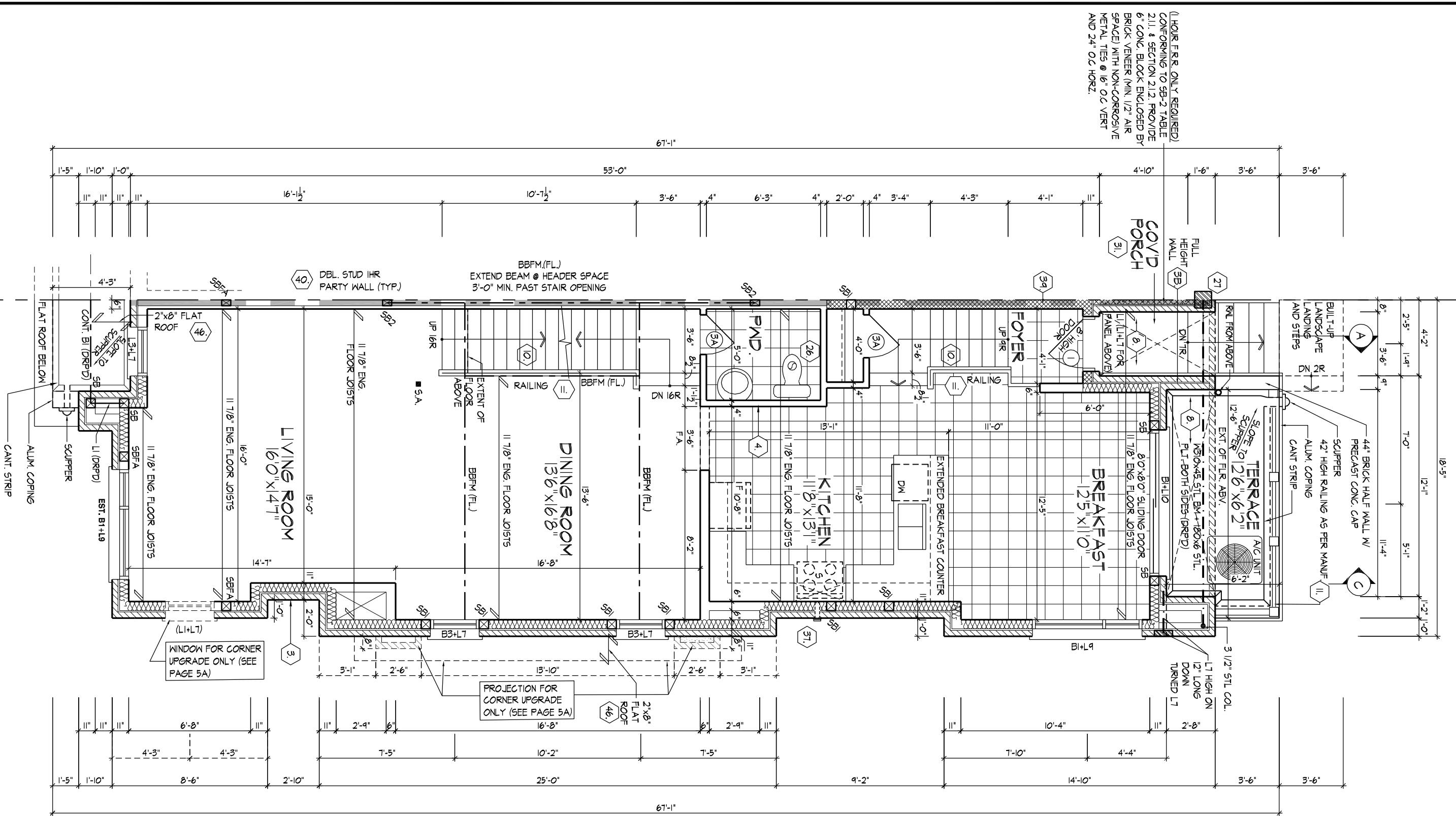
FORESTSIDE ESTATES PH6, BRAMPTON, ONT.

DESIGN ASSOCIATES INC.

8866 Woodbine Ave, Markham, ON L3R 0J7

T 905.737.5133 F 905.737.7258

7. -	-	-
6. ISSUED FOR FINAL APPROVAL	-	-
5. REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	-
4. REVISED AS PER STRUCTURAL ENGINEER COMMENTS	REV/2018.08.07	MM
3. COORDINATE AS PER ROOF TRUSS & FLOOR MANUFACTURE PLANS	-	-
2. REVISED AS PER CLIENT'S COMMENTS (2018)	REV/2018.10.18	DS
1. ISSUED FOR CLIENT REVIEW	2018.09.14	DS
REVISIONS	DATE (YYYYMMDD)	BY

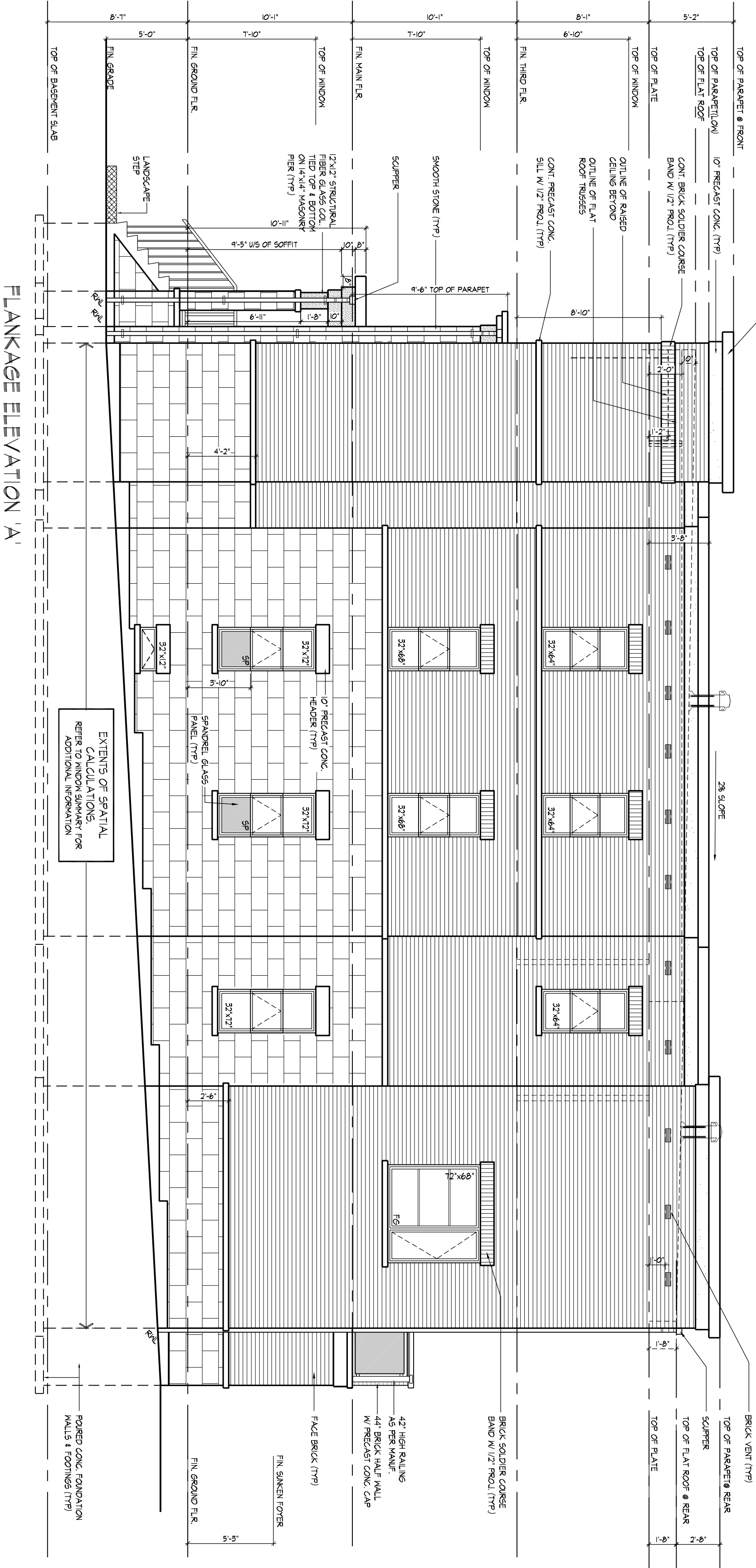


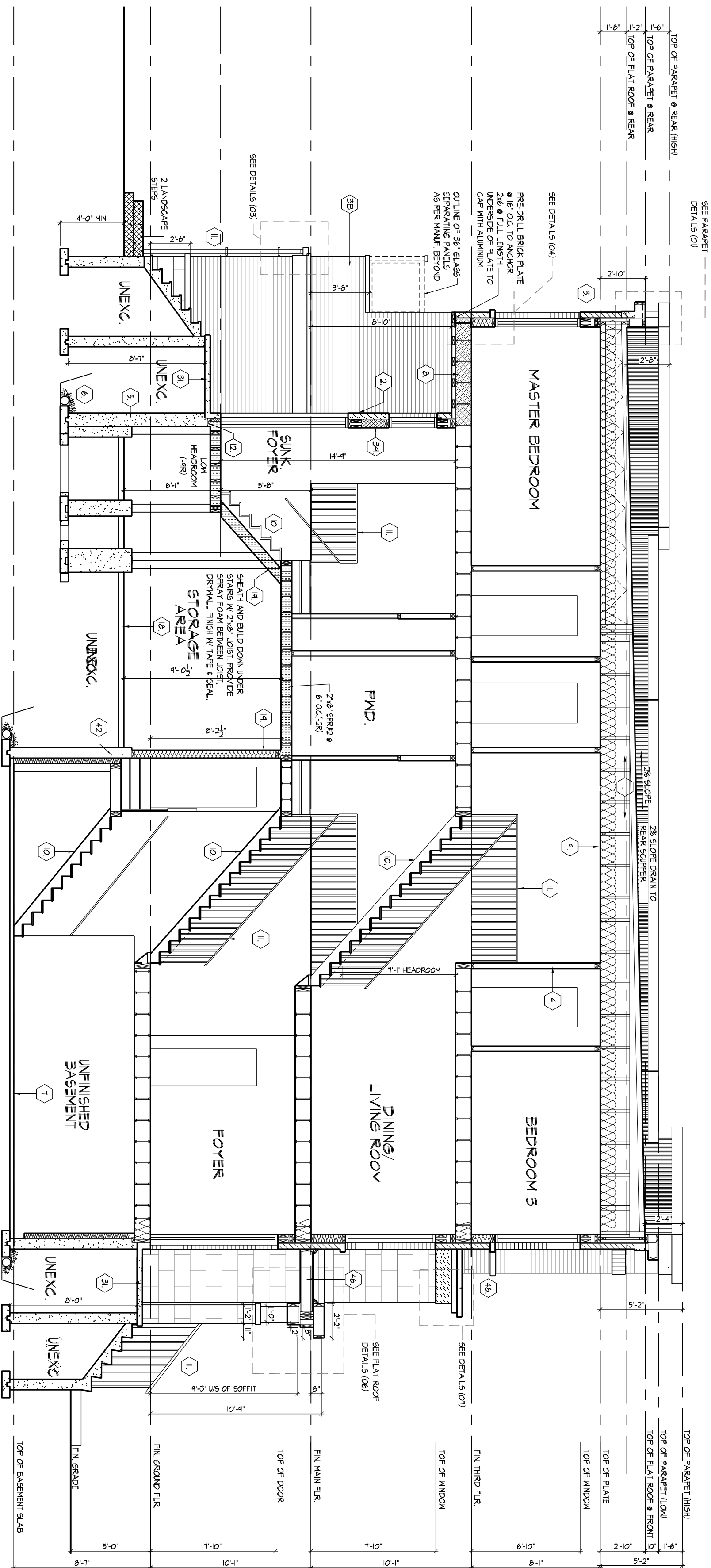
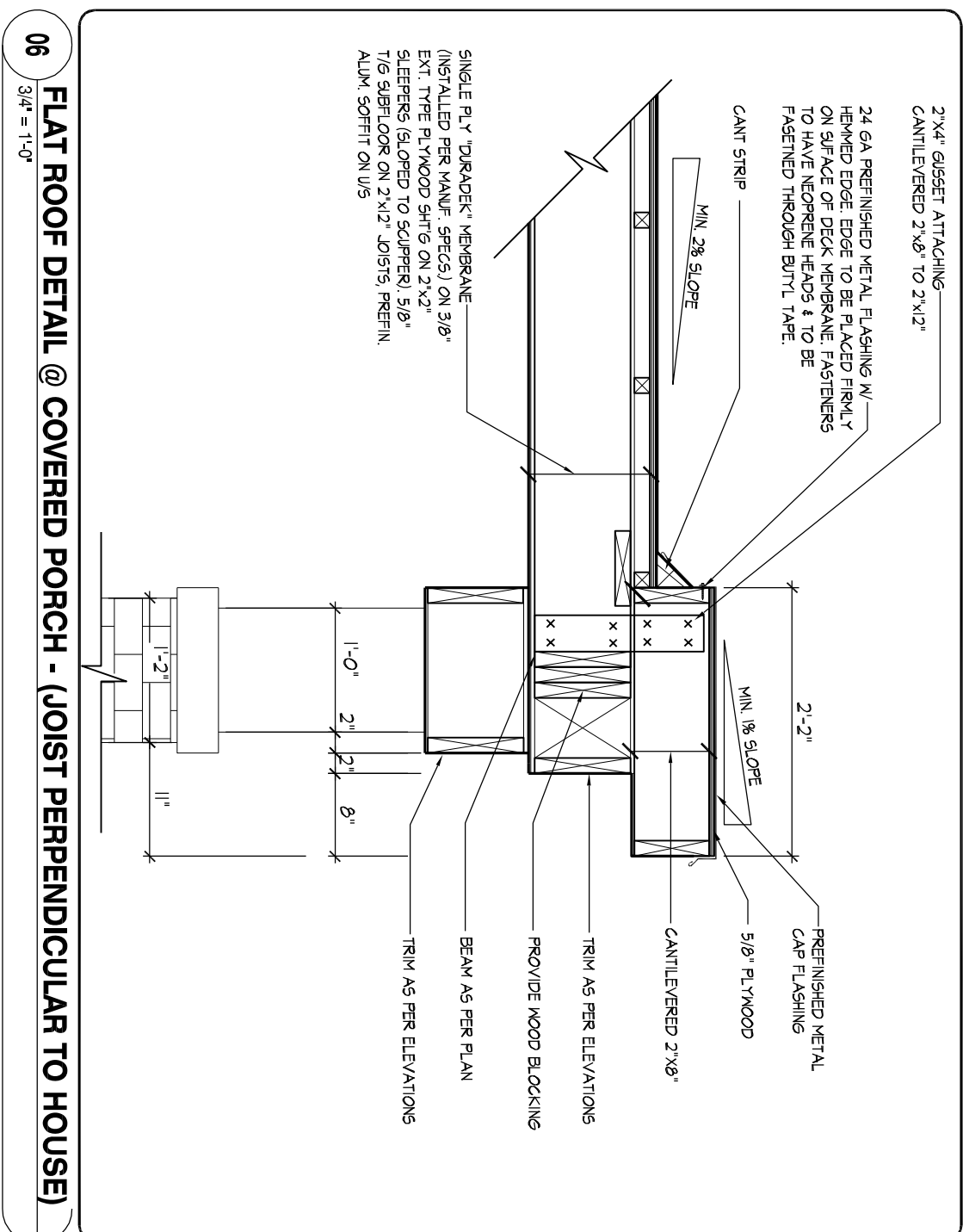
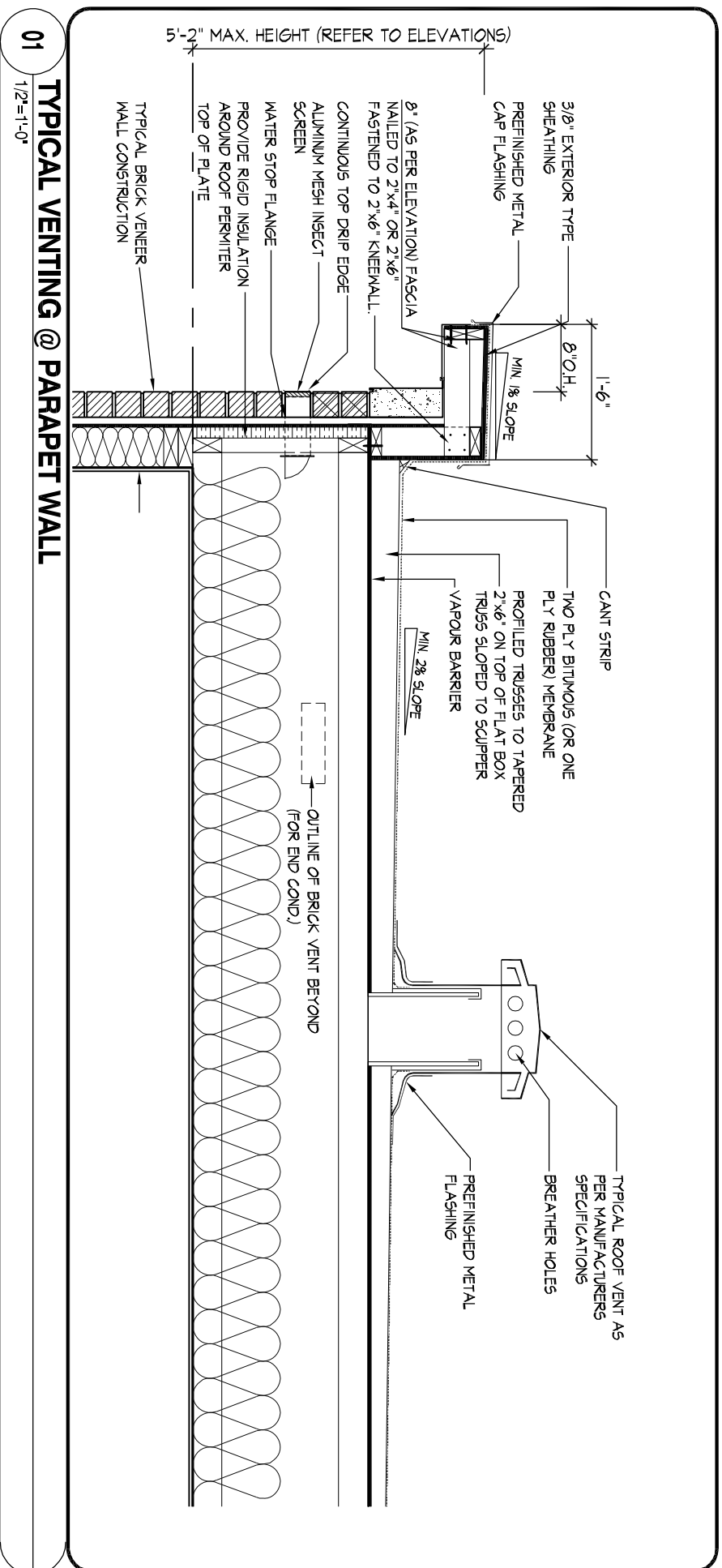
WINDOW SUMMARY			
PER O.B.C. TABLE 8.10.1.5.4			
FLANKAGE ELEVATION A			
QUANTITY	UNIT	HEAD	WINDOW/DOOR FRAME SIZE (S.F.)
1	7'2"	6'6"	30.22
3	3'2"	6'6"	38.00
3	3'2"	7'2"	38.67
1	2'2"	7'2"	1.35
SPATIAL CALCULATION			
ELEVATION HEIGHT: 20'0" TO 24'0" S.F.			
GLAZED AREA: 187.11 S.F.			
PORTION WALL AREA: 201.00 S.F.			
TYPICAL WINDOW: 7'0" x 6'6" S.F.			
MAX. % OPENINGS: 140.88 S.F.			
OPENINGS ALLOWED: 140.88 S.F.			
ADDITIONAL NOTES			
GLAZED AREA CALCULATED W/ FRAME SIZE MINUS 2" AROUND ENTIRE PERIMETER			

REFER TO FRONT ELEVATION FOR TYPICAL NOTES & INFORMATION

ROOF OVERHANGS TO BE 8" UNLESS NOTED OTHERWISE

TYP. CEMENTITIOUS BOARD (MADE BOARD PANEL OR EOI) AS PER ELEVATION





REFER TO SB-12 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.

- [illegible]

REFER TO SB-12 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.

9.9. DOOR SCHEDULE
CONFORMING TO SECTIONS 9.5.11, 9.6., 9.7.2.1, 9.7.5.2, & 9.10.13.10

- | | | | |
|----|----------|---|-----------------------------|
| 1 | EXTERIOR | 2-6" x 6-8" x 1-3/4" (815 x 2030 x 45) | INSULATED MIN. R4 (RSI 0.7) |
| 1A | EXTERIOR | 2-10" x 6-8" x 1-3/4" (865 x 2030 x 45) | INSULATED MIN. R4 (RSI 0.7) |
| 1B | EXTERIOR | 3-0" x 6-8" x 1-3/4" (915 x 2030 x 45) | INSULATED MIN. R4 (RSI 0.7) |
| 1C | EXTERIOR | 2-6" x 6-8" x 1-3/4" (760 x 2030 x 45) | INSULATED MIN. R4 (RSI 0.7) |

$1/8^{\text{th}}$ (460 x 2030 x 35)	
-------------------------------------	--

- ### **3.4. ACRONYMS**





3.4. ACRONYMS

- | | | | |
|---------|-------|------|-------------------------|
| TURNER | JOIST | LIN | LINEN CLOSET |
| CKING | | LVL | LAMINATED VENEER LUMBER |
| TURNER | | OTBA | OPEN TO BELOW/ABOVE |
| TURNING | | PL | POINT LOAD |
| | | PLT | PLATE |
| | | PT | PRESSURE TREATED |
| ST | | PTD | PAINTED |
| | | PMD | POWER ROOM |
| RT | | RT | ROOF TRUSS |



SB	SOLID BEARING WOOD POST
CRCA	CRIPPLE RAILROAD COT

- | | | |
|------|-----|----------------|
| UNIT | QTY | DESCRIPTION |
| 1 | 1 | WALK-IN CLOSET |
| 2 | 1 | WALK-IN CLOSET |
| 3 | 1 | WALK-IN CLOSET |
| 4 | 1 | WALK-IN CLOSET |
| 5 | 1 | WALK-IN CLOSET |
| 6 | 1 | WALK-IN CLOSET |
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| 12 | 1 | WALK-IN CLOSET |
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| 100 | 1 | WALK-IN CLOSET |

3.5 SYMBOLS	
III	DESCRIPTION

- | | |
|---------|--|
| VEHICLE |  EXHAUST VENT
 DUPLEX OUTLET (HEIGHT AS NOTED A
 SWITCH (2/3/4 WAY)
 LIGHT FIXTURE (CEILING MOUNT |
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LIGHT FIXTURE (WALL MOUNTED)

- | | | |
|-------|---|----------------------------|
| MAIN) |  | TELEPHONE JACK |
| ET |  | CHANDELLIER (CEILING MOUNT |

SOUNDS. ALARMS ARE TO BE CONNECTED TO AN BATTERY BACKUP. ALARM SIGNAL SHALL MEET

- MONOXIDE ALARM** (9.33.4)
 REQUIREMENTS ** A CARBON MONOXIDE ALARM(S) SHALL BE INSTALLED ON OR NEAR THE CEILING IN EACH SLEEPING AREA. CARBON MONOXIDE ALARM(S) WITH AN INTERCONNECT SWITCH, WITH AN ALARM THAT SOUNDS WHEN THE INTERVENING DOORS ARE CLOSED.

SHALL NOT BE LESS THAN THE WIDTH OF

- FACE -O,B,C, 9.10.14, OR 9.10.15.
E-36 & DETAILS FOR TYPE AND SPECIFICATIONS.

REF ID: A66404	REF ID: A66404
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- | TATIC DATA | |
|----------------|----------|
| AD (9.4.2.2.): | 1.12 kPa |
| SB-1.2.): | 0.44 kPa |

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523</
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- THESE PLANS AND SPECIFICATIONS AND TO CONFORM TO THE APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION OVER THE WORK, ALL THE DRAWINGS & SPECIFICATIONS OF SERVICE AND ARE THE PROPERTY OF H.D.A.I.

SECTION NOTES 1 & 2