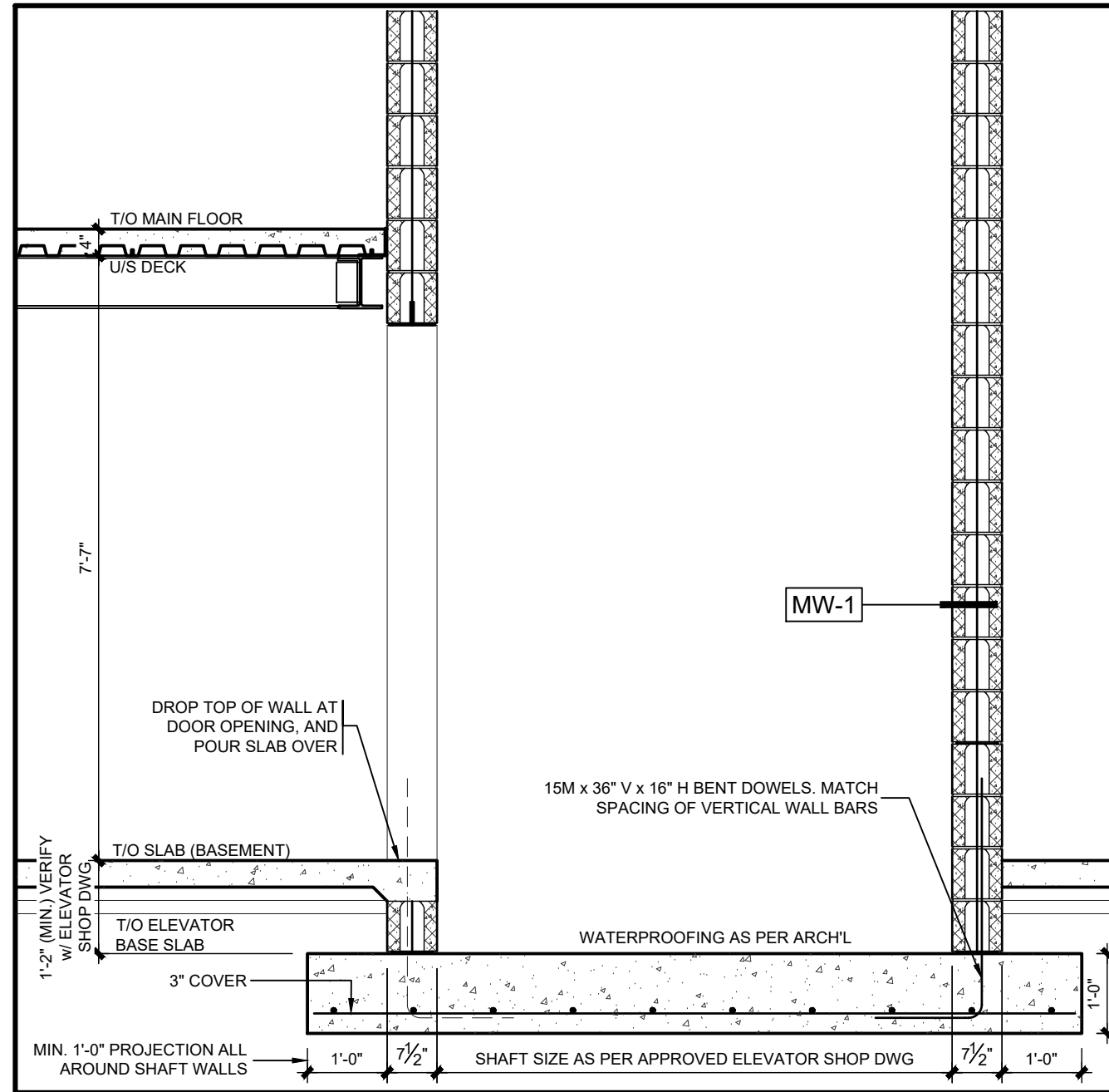
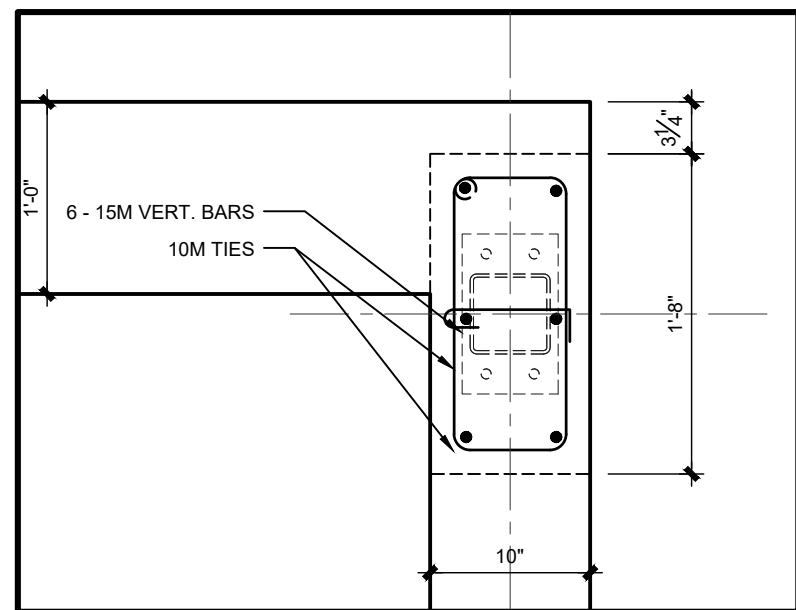


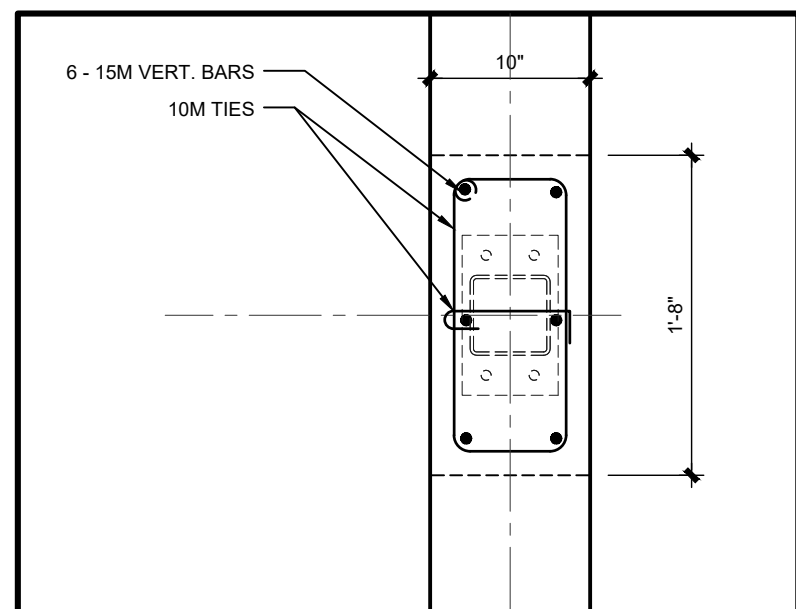
4 SECTION - FOUNDATION WALL AT STAIR OPENING (GRID 5)
SCALE: 1/2" = 1'-0"



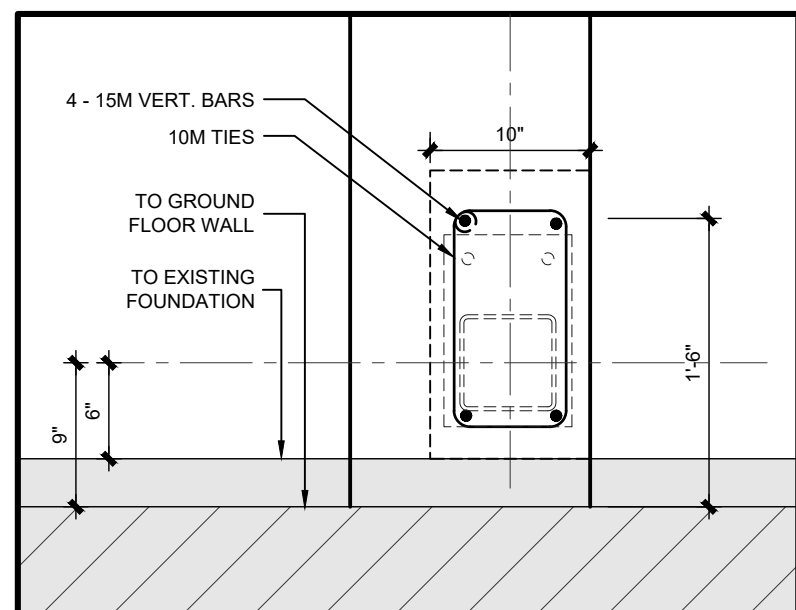
3 SECTION - THROUGH LIFT PIT
SCALE: 1/2" = 1'-0"



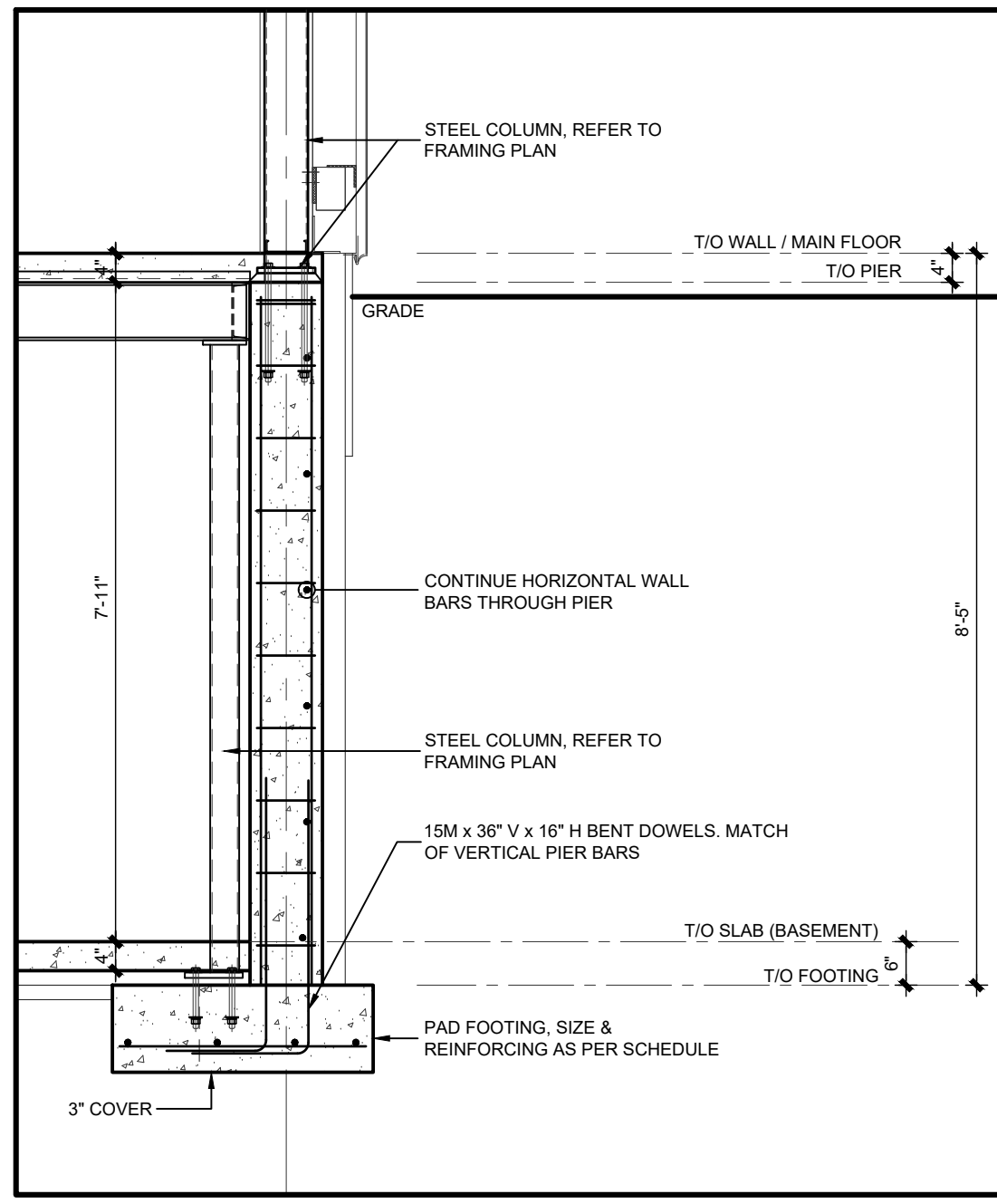
7 P1 PIER AT CORNER
SCALE: 1" = 1'-0"



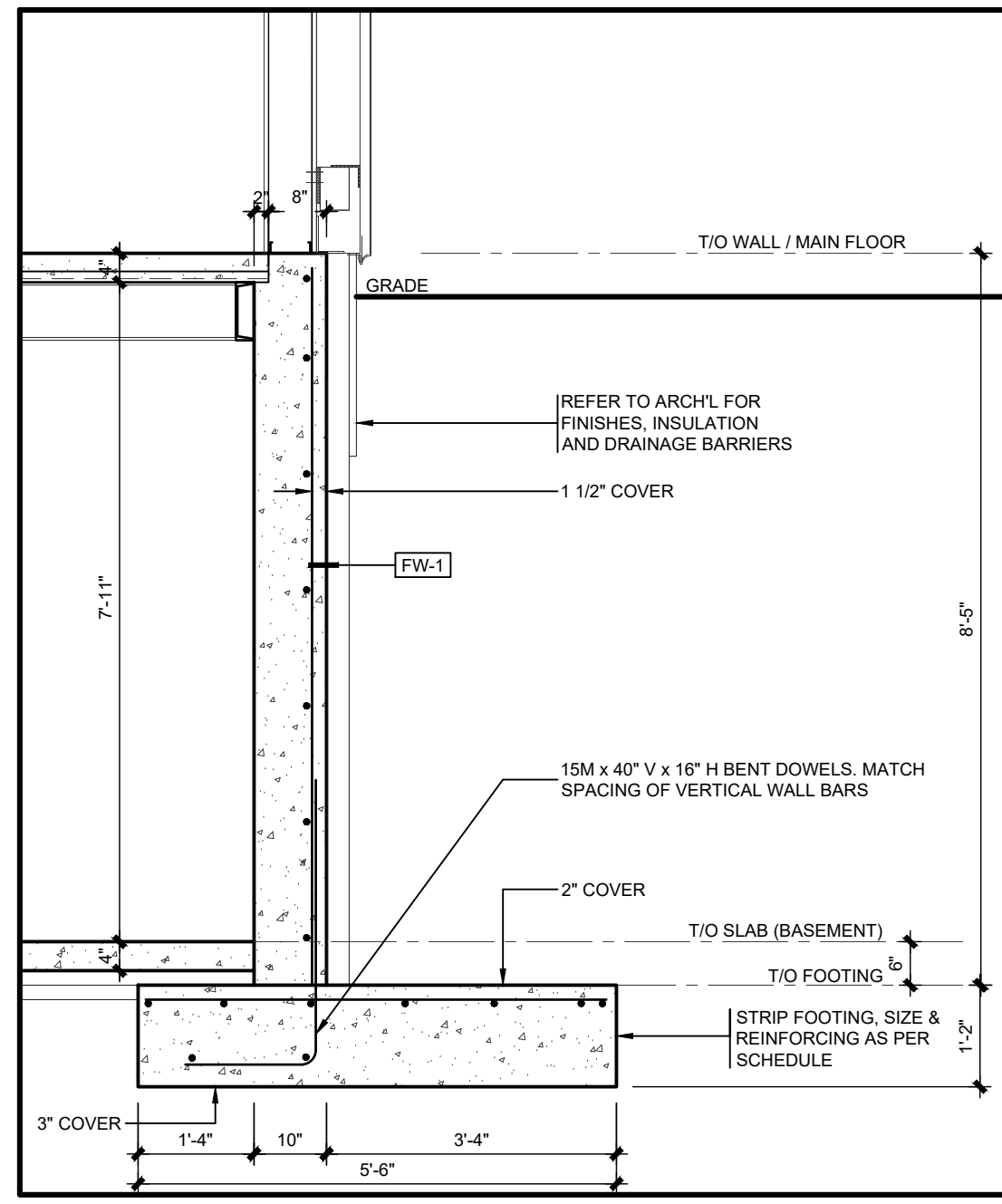
6 P1 PIER ALONG WALL
SCALE: 1" = 1'-0"



5 P2 PIER AT EXISTING
SCALE: 1" = 1'-0"



2 SECTION - PIER AT COLUMN
SCALE: 1/2" = 1'-0"



1 SECTION - TYPICAL FOUNDATION WALL
SCALE: 1/2" = 1'-0"

STRUCTURAL WALL SCHEDULE		
MARK	SIZE	REINFORCING
MW-1	8\" CONCRETE BLOCK	15M VERTICAL AT 8\" O.C. 9 GA. LADDER TYPE JOINT REINFORCING AT 24\" O.C. (EVERY THIRD COURSE)
		GROUT ALL CORES SOLID

NOTES:
1. TIE BASE OF WALL TO FOOTING / FOUNDATION WALL CAST-IN DOWELS AS PER DETAIL 3/S1.1

PIER SCHEDULE		
MARK	SIZE	REINFORCING
P1	10\" x 20\" IN WALL (6) (7) (S1.1) (S1.1)	8 - 15M VERTICAL BARS 10M TIES @ 10\" O.C. DOUBLE TOP TIE 6 - 15M x 16\"H x 30\"V DOWELS
P2	10\" x 12\" IN WALL (5) (5) (S1.1) (S1.1)	4 - 15M VERTICAL BARS 10M TIES @ 10\" O.C. DOUBLE TOP TIE 4 - 15M x 16\"H x 30\"V DOWELS

NOTES:
1. PROVIDE 1 1/2\" CONCRETE COVER TO REINFORCING STEEL.

PAD FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F1	2'-0\" x 3'-0\" x 12\" THICK	UNREINFORCED
F2	3'-0\" x 3'-0\" x 12\" THICK	4 - 10M EACH WAY

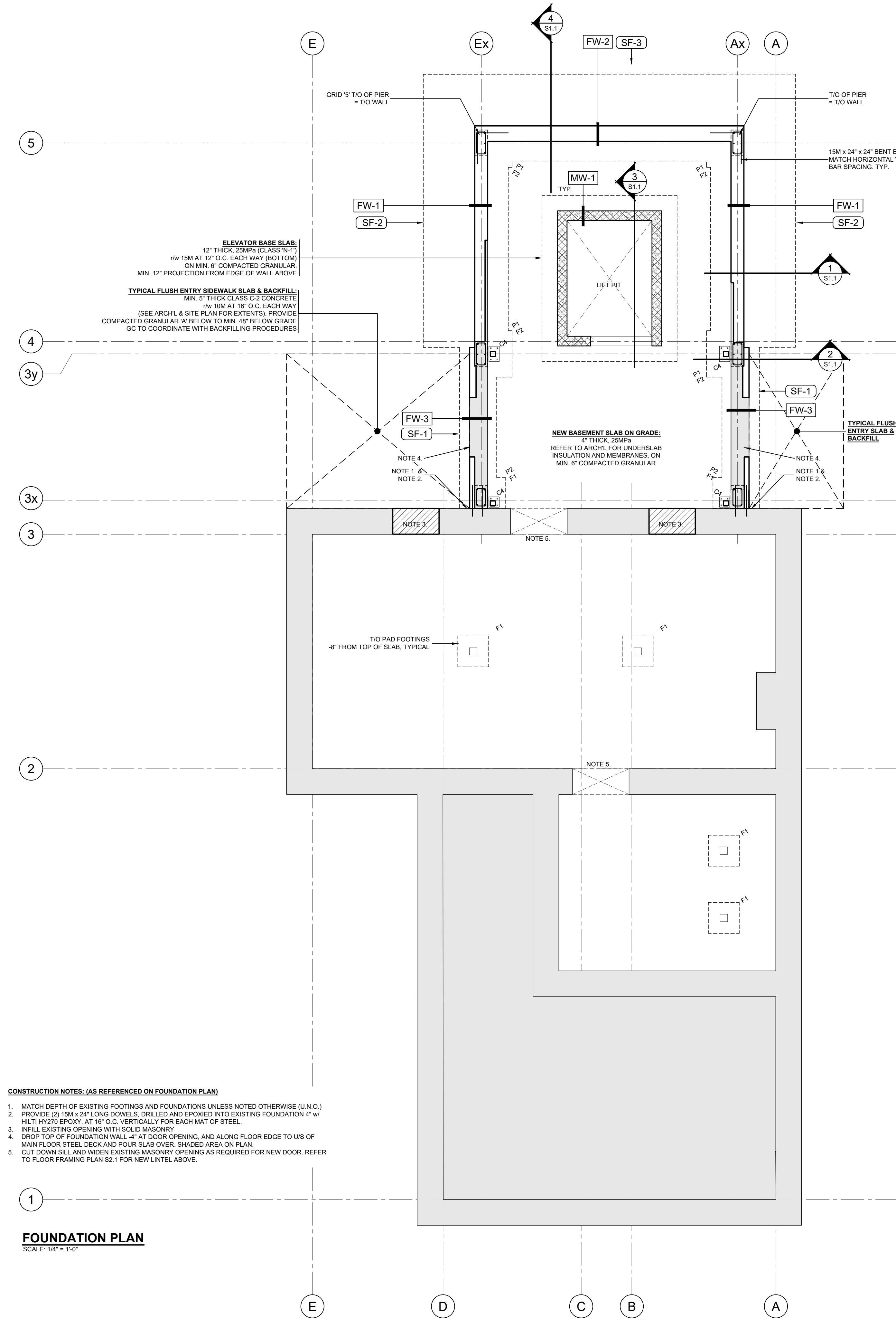
NOTES:
1. PROVIDE 3\" CONCRETE COVER TO U/S OF REINFORCING STEEL PLACED AGAINST SOIL, U.N.O.
2. REFER TO PIER SCHEDULE FOR DOWEL REQUIREMENTS FROM PIER ABOVE.
3. FOOTINGS TO BE FOUNDED ON SOILS WITH A MIN. 144 kPa (3000 psf) BEARING CAPACITY, TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

STRIP FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
SF-1	24\" WIDE x 12\" THICK	2 - 15M CONTINUOUS
SF-2	66\" WIDE x 14\" THICK (66\" WIDE AT GRID 5)	10 - 15M CONTINUOUS (7 TOP + 3 BOT) 15M TRANSVERSE AT 12\" O.C.

NOTES:
1. PROVIDE 3\" CONCRETE COVER TO U/S OF REINFORCING STEEL PLACED AGAINST SOIL, U.N.O.
2. REFER TO WALL SCHEDULE FOR DOWEL REQUIREMENTS FROM WALL ABOVE.
3. FOOTINGS TO BE FOUNDED ON SOILS WITH A MIN. 144 kPa (3000 psf) BEARING CAPACITY, TO BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.

FOUNDATION WALL SCHEDULE		
MARK	WALL TYPE	REINFORCING
FW-1	10\" CONCRETE RETAINING WALL	15M AT 12\" O.C. VERTICAL 15M AT 16\" O.C. HORIZ. 15M x 40\" V x 16\" H BENT DOWELS AT 12\" O.C.
FW-2	12\" CONCRETE RETAINING WALL	15M AT 12\" O.C. VERTICAL 15M AT 16\" O.C. HORIZ. TYP. EACH FACE, (2 MATS) 3\" COVER TO O/S FACE STEEL 15M x 40\" V x 16\" H BENT DOWELS AT 12\" O.C. (O/S FACE, SEE SECTION)
FW-3	14\" CONCRETE	15M AT 16\" O.C. EACH WAY EACH FACE

NOTES:
1. TIE ALL STRIP FOOTINGS TO WALL W/ 15M x 24\" LONG DOWELS AT 4'-0\" O.C., U.N.O.



1 FOUNDATION PLAN
SCALE: 1/4\" = 1'-0"

- CONSTRUCTION NOTES: (AS REFERENCED ON FOUNDATION PLAN)**
- MATCH DEPTH OF EXISTING FOOTINGS AND FOUNDATIONS UNLESS NOTED OTHERWISE (U.N.O.)
 - PROVIDE (2) 15M x 24\" LONG DOWELS, DRILLED AND EPOXIED INTO EXISTING FOUNDATION 4\" w/ HILTI HY270 EPOXY, AT 16\" O.C. VERTICALLY FOR EACH MAT OF STEEL.
 - INFILL EXISTING OPENING WITH SOLID MASONRY.
 - DROP TOP OF FOUNDATION WALL 4\" AT DOOR OPENING, AND ALONG FLOOR EDGE TO U/S OF MAIN FLOOR STEEL DECK AND POUR SLAB OVER. SHADED AREA ON PLAN.
 - CUT DOWN SILL AND WIDEN EXISTING MASONRY OPENING AS REQUIRED FOR NEW DOOR. REFER TO FLOOR FRAMING PLAN S2.1 FOR NEW LINTEL ABOVE.

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SPADINA MUSEUM GARAGE REHABILITATION
285 SPADINA ROAD TORONTO, ON

FOUNDATION PLAN

Project No: TE-41243-22 Drawn By: JDH

S1.1

CONSTRUCTION NOTES: (AS REFERENCED ON FRAMING PLANS)

- NEW COMPOSITE FLOOR: 4" CONCRETE SLAB ON 1 1/2" x 22ga. HI-BOND METAL DECK.
- EXISTING 2x10 AT 16" O.C. CUT JOISTS TO SUIT NEW FLUSH LVL BEAM AND PROVIDE SIMPSON STRONG TIE LUZ10R-18 HANGERS AT EACH JOIST.
- NEW GLASS FLOOR AND SUPPORTING FRAME, DESIGN BY OTHERS. SUBMIT P.ENG STAMPED SHOP DRAWING FOR REVIEW PRIOR TO FABRICATION.
- INFILL EXISTING STAIR OPENING w/ FULL LENGTH 2x10 AT 16" O.C. PROVIDE JOIST HANGERS TO EXISTING HEADERS & TRIMMERS.
- STAIRS, LANDINGS, GUARDS AND HANDRAILS BY MISC. METALS FABRICATOR. SUBMIT P.ENG STAMPED DRAWINGS FOR REVIEW PRIOR TO FABRICATION. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGN, MINIMUM STRUCTURAL SPECS:
1. STRINGERS: HSS 8x4x1/4 (LSV)
2. TREADS: 14ga BENT METAL w/ CONCRETE FILL
3. RISER & GUSSET: 14ga BENT METAL, GUSSET PROFILE TO SUIT DROPPED STRINGER
4. LANDINGS: 4" CONCRETE SLAB ON 1 1/2" x 22ga HI-BOND METAL DECK, w/ L4x4x1/4 TRIMMER ANGLES.
5. SUPPORT LANDINGS ON BUILDING COLUMNS AND ELEVATOR SHAFT WHERE REQUIRED.
6. SUPPORT LANDINGS (BASEMENT TO MAIN FLOOR) ON HSS 4x4x1/4 COLUMNS WHERE REQUIRED.
7. CURTAIN WALL, BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
8. ROOF GLAZING, BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
9. STEEL STUD WALLS, BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
10. 1 1/2" x 22ga. METAL ROOF DECK, (MIN. 3 SPAN CONTINUOUS)
11. RESERVED
12. L6x4x1/4 (LSH) TRIMMER ANGLE. SET ANGLE TO SUIT EXPANSION JOINT. REFER TO ARCH'L
13. L4x4x1/4 TRIMMER ANGLE. WELDED TO BEAM BELOW AS PER SHOP DRAWING.
14. EXISTING WOOD HEADER & TRIMMERS TO REMAIN. PROVIDE NEW SIMPSON STRONG TIE LUZ10R-18 JOIST HANGERS TO SUPPORT JOISTS FRAMING INTO HEADER. AND PROVIDE SIMPSON STRONG TIE L410R HANGER FROM HEADER TO TRIMMER.
15. MODIFY EXISTING TRIMMER JOISTS TO SUIT NEW OPENING WIDTH, SUCH THAT TRIMMER JOISTS BEAR MIN. 12" FROM EDGE OF NEW OPENING. PROVIDE NEW (2) 2x10 HEADER w/ SIMPSON STRONG TIE LUZ10-2 EACH END TO TRIMMER.
16. REINFORCE EXISTING TRIMMER w/ (1) 2x10 SISTER.
17. PROVIDE SIMPSON STRONG TIE L410R HANGER TO CONNECT EXISTING TRIMMER TO NEW FLUSH FRAMED LVL FLOOR BEAM.
18. L8x6x3/8 ANGLE (LLV) w/ 1/2" Ø THREADED ROD ANCHORS AT 8" O.C. REFER TO DETAIL 2/S3.1 FOR CONNECTIONS. (MIN. 3 ANCHORS PER SECTION OF ANGLE)
19. CONT. BENT METAL UPSTAND, REFER TO SECTIONS ON S3.1 FOR PROFILE AT EAVE.
20. BENT METAL UPSTAND TO CAP ELEVATOR WALL & GABLE END OF ROOF. REFER TO SECTION 1/S3.1 FOR PROFILES.

STRUCTURAL WALL SCHEDULE

MARK	SIZE	REINFORCING
MW-1	8" CONCRETE BLOCK	15M VERTICAL AT 8" O.C. 9 GA. LADDER TYPE JOINT REINFORCING AT 24" O.C. (EVERY THIRD COURSE) GROUT ALL CORES SOLID

- NOTES:
- TIE BASE OF WALL TO FOOTING / FOUNDATION WALL CAST-IN DOWELS AS PER DETAIL 3/S1.1

COLUMN SCHEDULE

MARK	TYPE	COLUMN SIZE	BASEPLATE SIZE	ANCHOR BOLTS
C1		HSS 5 x 5 x 1/4	SEE PLAN	SEE PLAN & DETAILS
C2		W6x15	12" x 3/4" x 12"	4 - 3/4" DIA. ANCHOR RODS
C3				
C4		HSS 4x4x1/4	8" x 3/4" x 12"	4 - 3/4" DIA. ANCHORS

BLOCK LINTEL SCHEDULE

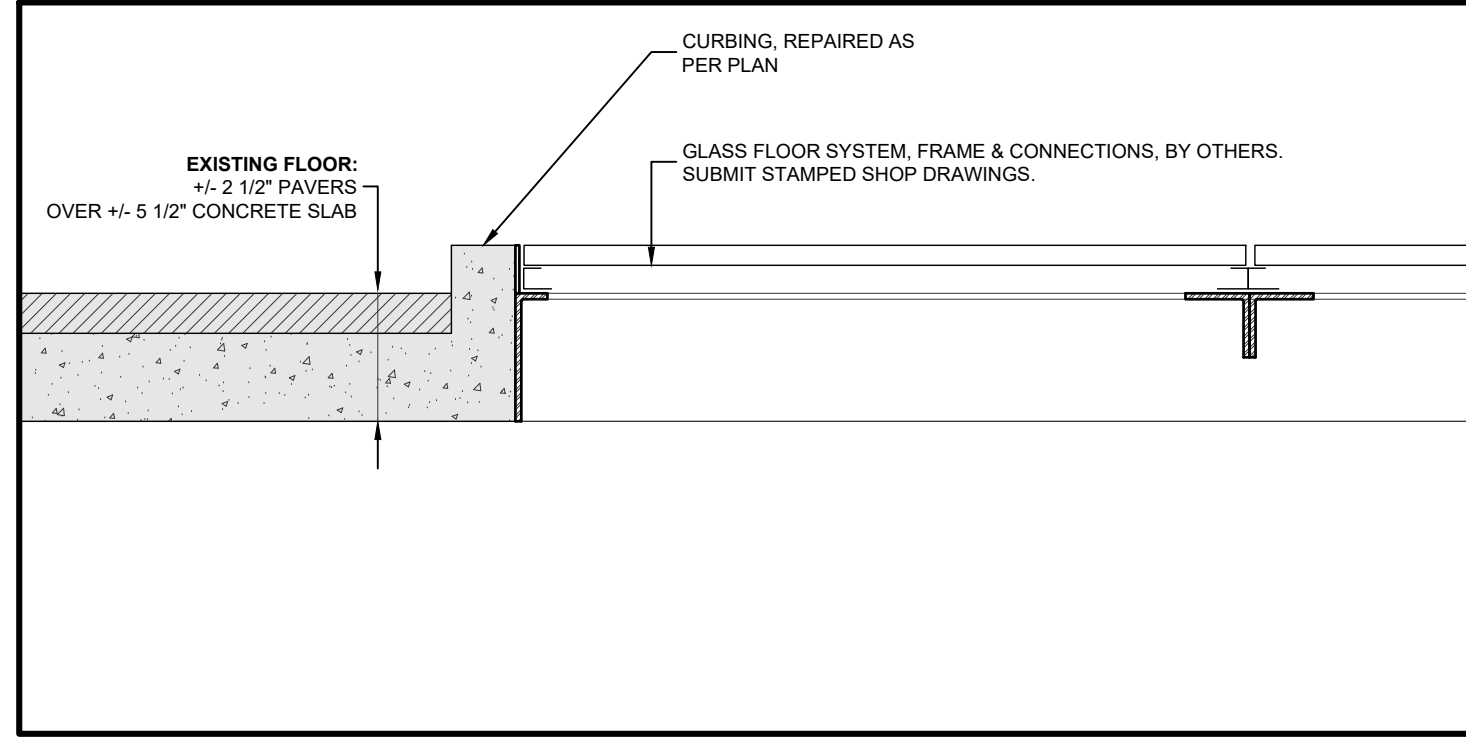
MARK	TYPE	SIZE
ML1		2 - L 3 1/2 x 3 1/2 x 1/4
ML2		W 8x18 + 3/8" THICK PLATE TO SUIT WALL THICKNESS & 15M x 12" LONG DOWELS AT 48" OC.

- NOTES:
- MIN. BEARING FOR STEEL LINTELS TO BE 8" U.N.O.

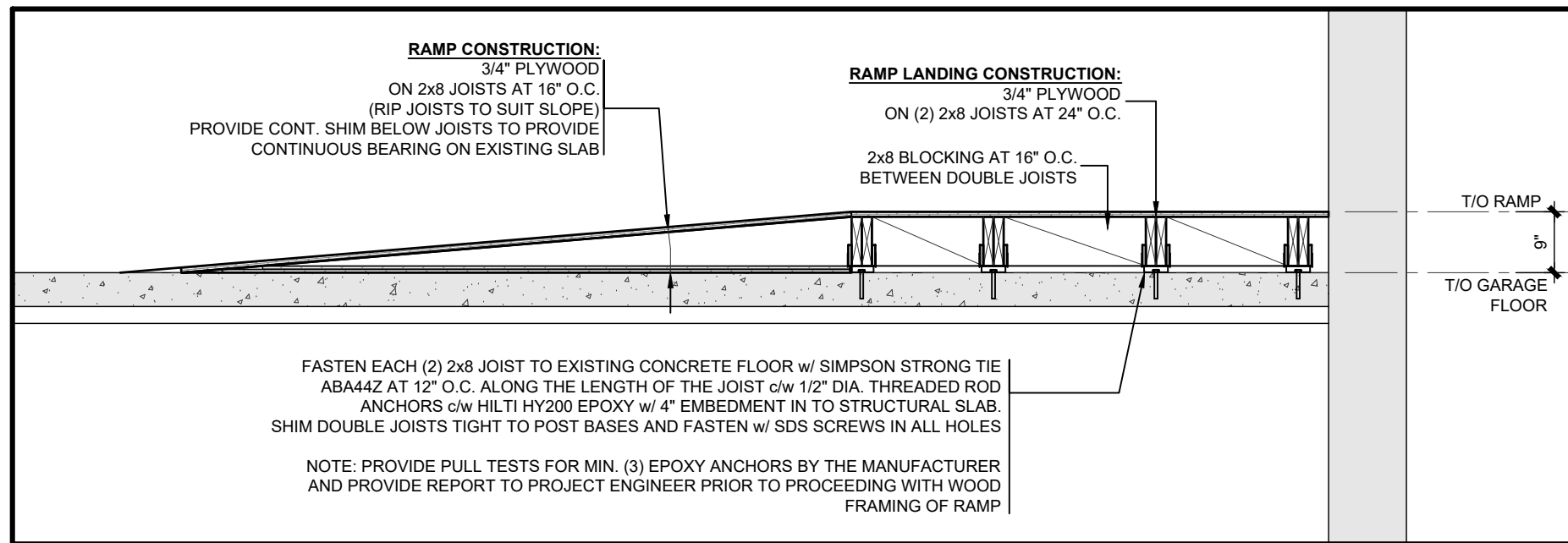
WALL PLATE SCHEDULE

MARK	SIZE	DOWELS
WP1	6" x 1/2" x 6"	1 - 15M x 24" LONG WELDED TO U/S OF PLATE

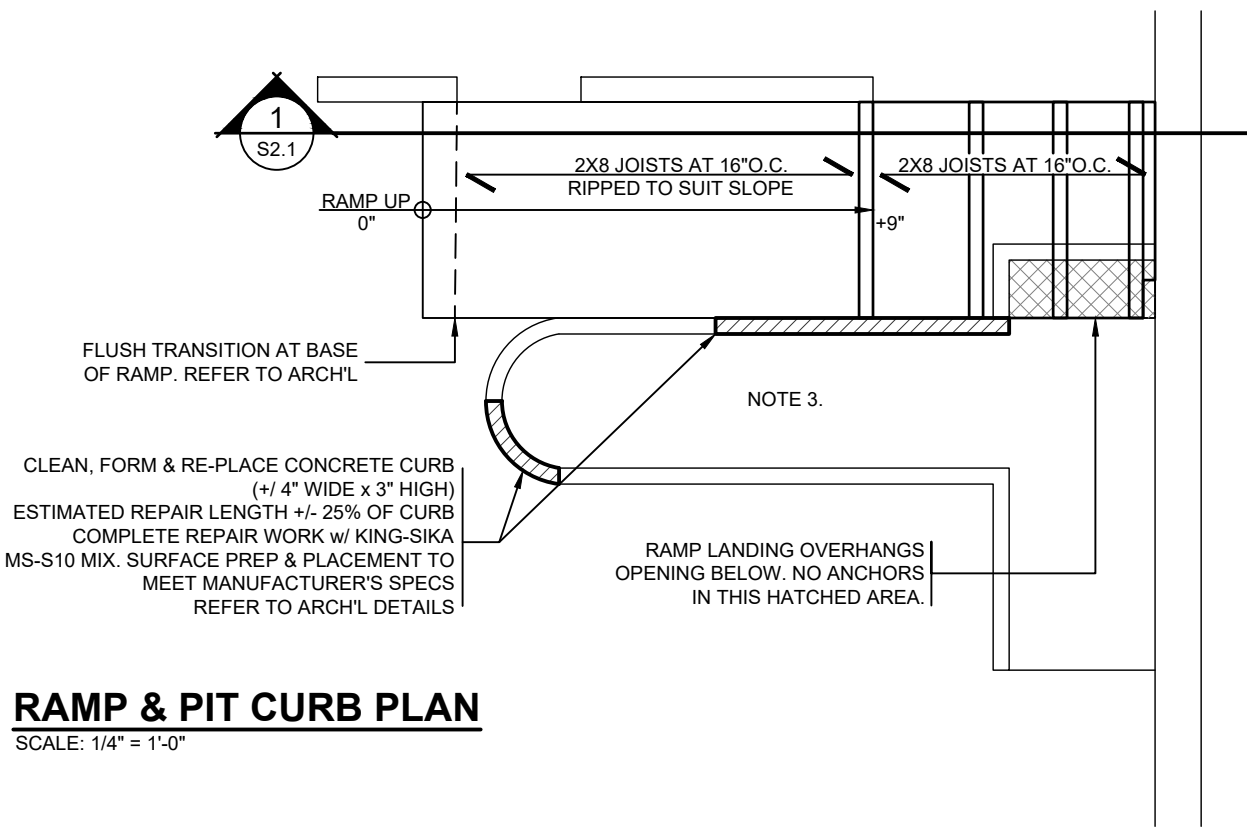
- NOTES:
- GROUT VOIDS SOLID BELOW WALL PLATE.
 - BEAMS TO BEAR FULLY ONTO WALL PLATE.



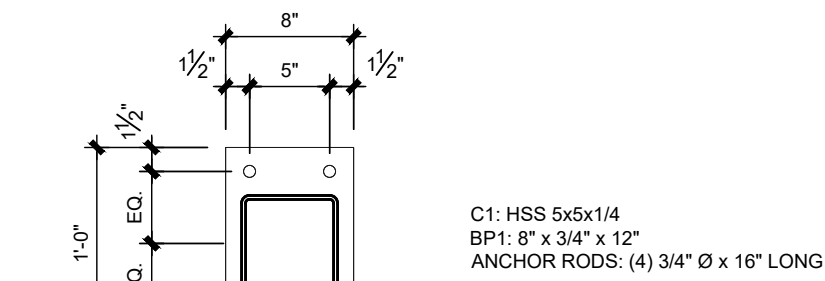
SECTION - GLASS SUPPORT LEDGER
SCALE: 1" = 1'-0"



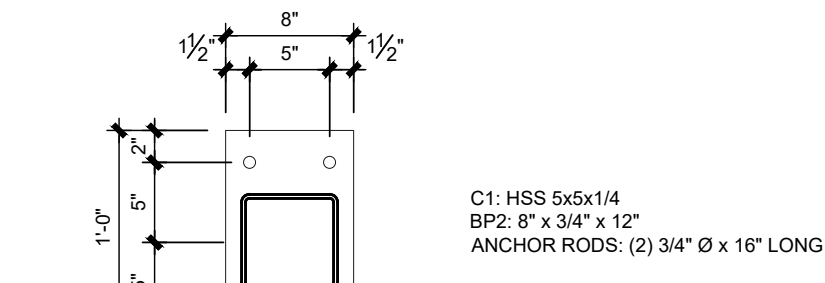
SECTION - THROUGH RAMP
SCALE: 1/2" = 1'-0"



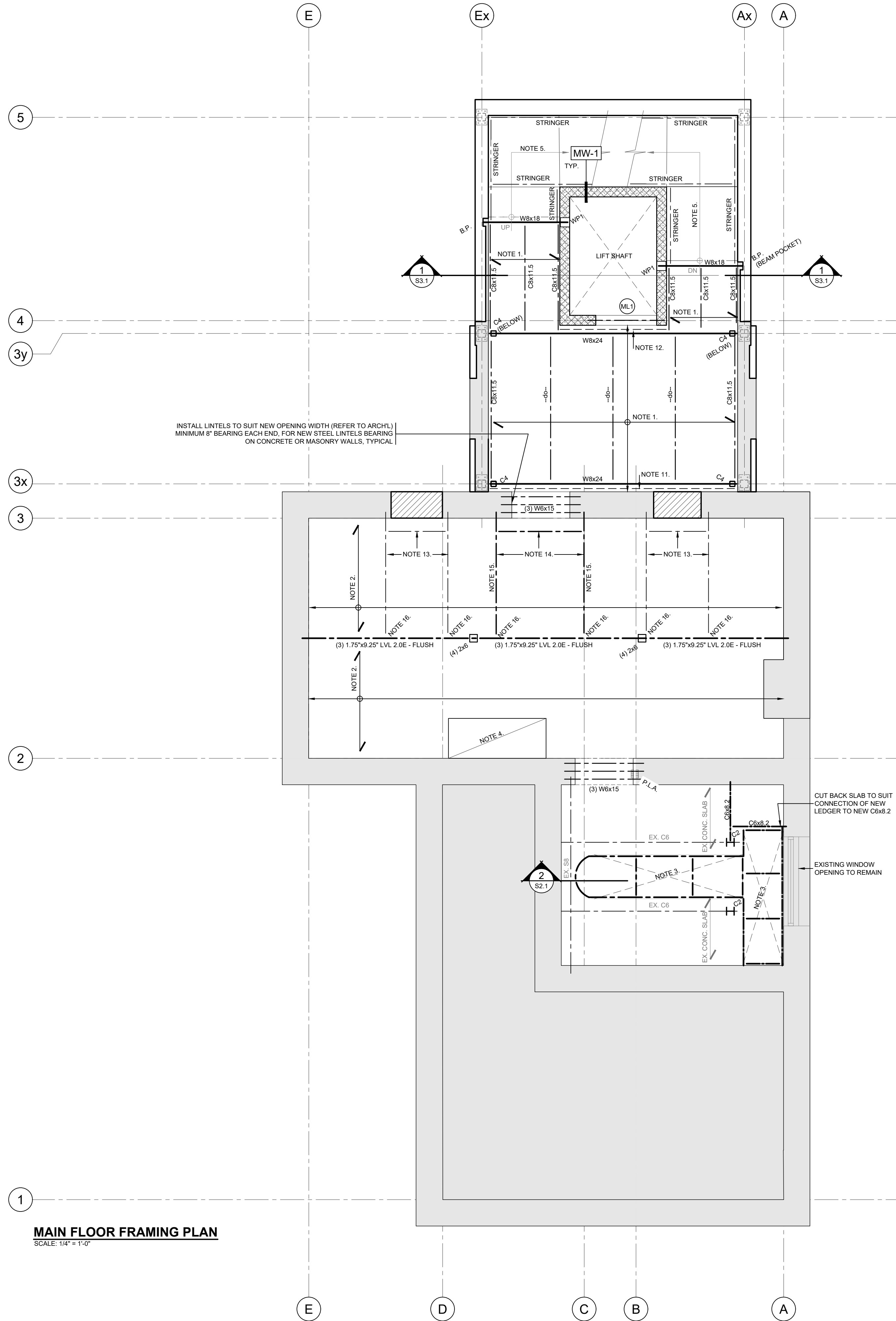
RAMP & PIT CURB PLAN
SCALE: 1/4" = 1'-0"



BASEPLATE BP1

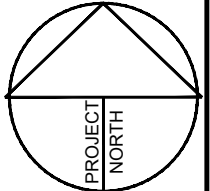


BASEPLATE BP2



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

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**SPADINA MUSEUM
GARAGE
REHABILITATION**
285 SPADINA ROAD TORONTO, ON

**MAIN FLOOR
FRAMING PLAN**

Project No: TE-41243-22
Drawn By: JDH

S2.1

CONSTRUCTION NOTES: (AS REFERENCED ON FRAMING PLANS)

- NEW COMPOSITE FLOOR: 4" CONCRETE SLAB ON 1 1/2" x 22ga. HI-BOND METAL DECK.
- EXISTING 2x10 AT 16" O.C. CUT JOISTS TO SUIT NEW FLUSH LVL BEAM AND PROVIDE SIMPSON STRONG TIE LUT10R-18 HANGERS AT EACH JOIST.
- NEW GLASS FLOOR AND SUPPORTING FRAME. DESIGN BY OTHERS. SUBMIT P.ENG STAMPED SHOP DRAWING FOR REVIEW PRIOR TO FABRICATION.
- INFILL EXISTING STAIR OPENING w/ FULL LENGTH 2x10 AT 16" O.C. PROVIDE JOIST HANGERS TO EXISTING HEADERS & TRIMMERS.
- STAIRS, LANDINGS, GUARDS AND HANDRAILS BY MISC. METALS FABRICATOR. SUBMIT P.ENG STAMPED DRAWINGS FOR REVIEW PRIOR TO FABRICATION. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGN. MINIMUM STRUCTURAL SPECS:
 - STRINGERS: HSS 8x4x1/4 (LSV)
 - TREADS: 14ga BENT METAL w/ CONCRETE FILL
 - RISER & GUSSET: 14ga BENT METAL, GUSSET PROFILE TO SUIT DROPPED STRINGER
 - LANDINGS: 4" CONCRETE SLAB ON 1 1/2" x 22ga HI-BOND METAL DECK, w/ L4x4x1/4 TRIMMER ANGLES
 - SUPPORT LANDINGS ON BUILDING COLUMNS AND ELEVATOR SHAFT WHERE REQUIRED.
 - SUPPORT LANDINGS (BASEMENT TO MAIN FLOOR) ON HSS 4x4x1/4 COLUMNS WHERE REQUIRED
- CURTAIN WALL BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
- ROOF GLAZING BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
- STEEL STUD WALLS, BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
- 1 1/2" x 22ga. METAL ROOF DECK (MIN. 3 SPAN CONTINUOUS)
- RESERVED
- L 8x4x1/4 (LSH) TRIMMER ANGLE. SET ANGLE TO SUIT EXPANSION JOINT. REFER TO ARCHT.
- L4x4x1/4 TRIMMER ANGLE. WELDED TO BEAM BELOW AS PER SHOP DRAWING.
- EXISTING WOOD HEADER & TRIMMERS TO REMAIN. PROVIDE NEW SIMPSON STRONG TIE LUT10R-18 JOIST HANGERS TO SUPPORT JOISTS FRAMING INTO HEADER. AND PROVIDE SIMPSON STRONG TIE U410R HANGER FROM HEADER TO TRIMMER.
- MODIFY EXISTING TRIMMER JOISTS TO SUIT NEW OPENING WIDTH. SUCH THAT TRIMMER JOISTS BEAR MIN. 12" FROM EDGE OF NEW OPENING. PROVIDE NEW (2) 2x10 HEADER OW SIMPSON STRONG TIE LUT210-2 EACH END TO TRIMMERS.
- REINFORCE EXISTING TRIMMER w/ (1) 2x10 SISTER.
- PROVIDE SIMPSON STRONG TIE U410R HANGER TO CONNECT EXISTING TRIMMER TO NEW FLUSH FRAMED LVL FLOOR BEAM.
- LWBx108 ANGLE (LLV) w/ 1/2" THREADED ROD ANCHORS AT 8" O.C. REFER TO DETAIL 2/S3.1 FOR CONNECTIONS. (MIN. 3 ANCHORS PER SECTION OF ANGLE)
- CONT. BENT METAL UPSTAND. REFER TO SECTIONS ON S3.1 FOR PROFILE AT EAVE.
- BENT METAL UPSTAND TO CAP ELEVATOR WALL & GABLE END OF ROOF. REFER TO SECTION 1/S3.1 FOR PROFILES.

STRUCTURAL WALL SCHEDULE

MARK	SIZE	REINFORCING
MW-1	8" CONCRETE BLOCK	15M VERTICAL AT 8" O.C. 9 GA. LADDER TYPE JOINT REINFORCING AT 24" O.C. (EVERY THIRD COURSE) GROUT ALL CORES SOLID

NOTES:

- TIE BASE OF WALL TO FOOTING / FOUNDATION WALL CAST-IN DOWELS AS PER DETAIL 3/S3.1

COLUMN SCHEDULE

MARK	TYPE	COLUMN SIZE	BASEPLATE SIZE	ANCHOR BOLTS
C1		HSS 5 x 5 x 1/4	SEE PLAN	SEE PLAN & DETAILS
C2		W8x15	12" x 3/4" x 12"	4 - 3/4" DIA. ANCHOR RODS
C3		HSS 4x4x1/4	8" x 3/4" x 12"	4 - 3/4" DIA. ANCHORS

BLOCK LINTEL SCHEDULE

MARK	TYPE	SIZE
ML1		2 - L 3 1/2 x 3 1/2 x 1/4
ML2		W 8x18 + 3/8" THICK PLATE TO SUIT WALL THICKNESS & 15M x 12" LONG DOWELS AT 48" O.C.

NOTES:

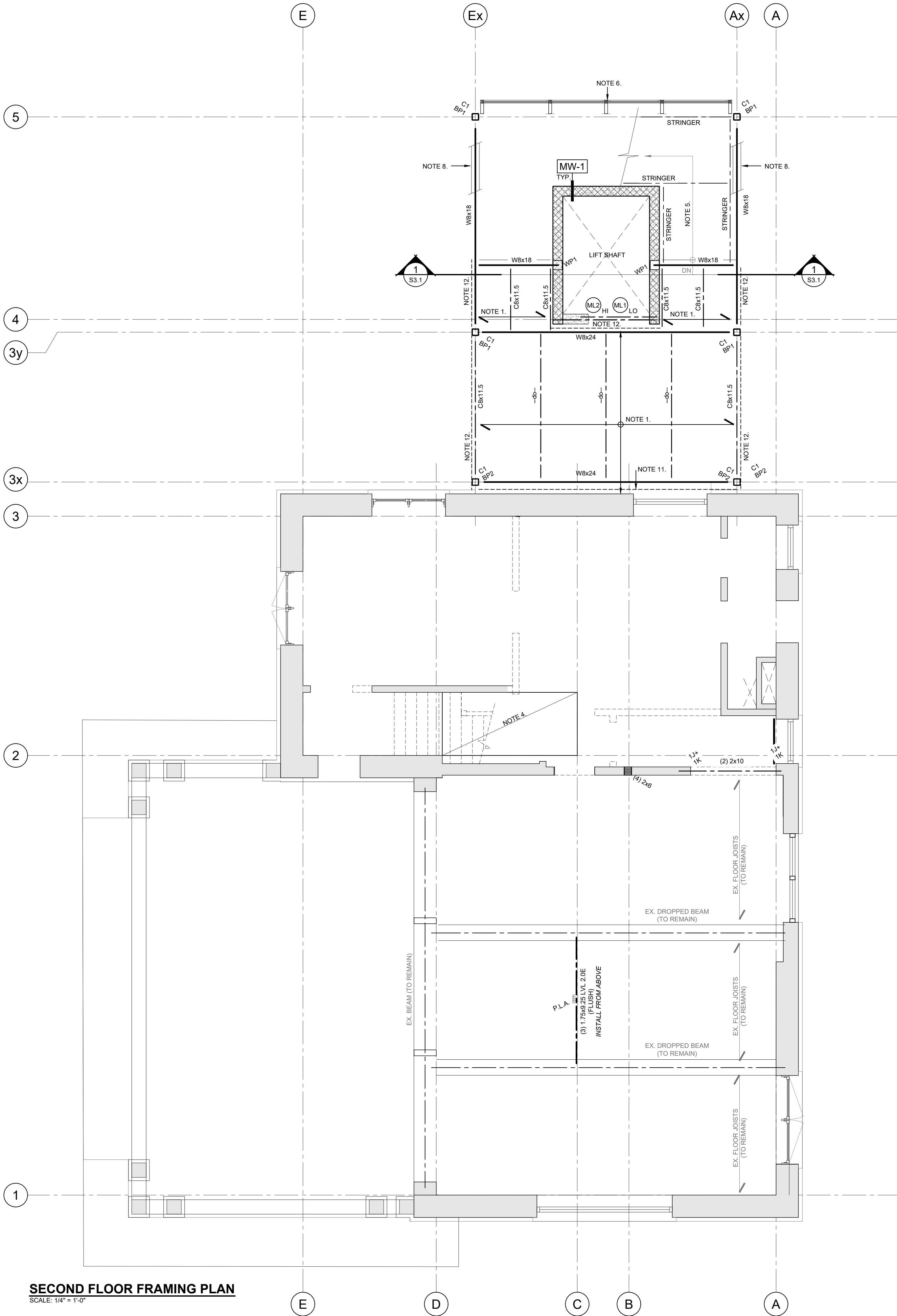
- MIN. BEARING FOR STEEL LINTELS TO BE 8" U.N.O.

WALL PLATE SCHEDULE

MARK	SIZE	DOWELS
WP1	6" x 1/2" x 6"	1 - 15M x 24" LONG WELDED TO U/S OF PLATE

NOTES:

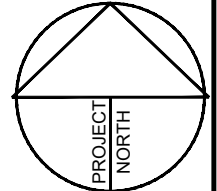
- GROUT VOIDS SOLID BELOW WALL PLATE.
- BEAMS TO BEAR FULLY ONTO WALL PLATE.



SECOND FLOOR FRAMING PLAN

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

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285 SPADINA ROAD TORONTO, ON

**SECOND
FLOOR
FRAMING PLAN**

Project No: TE-41243-22 Drawn By: JDH

S2.2

CONSTRUCTION NOTES: (AS REFERENCED ON FRAMING PLANS)

- NEW COMPOSITE FLOOR: 4" CONCRETE SLAB ON 1 1/2" x 22ga. HI-BOND METAL DECK.
- EXISTING 2x10 AT 16" O.C. CUT JOISTS TO SUIT NEW FLUSH LVL BEAM AND PROVIDE SIMPSON STRONG TIE LU210R-18 HANGERS AT EACH JOIST.
- NEW GLASS FLOOR AND SUPPORTING FRAME. DESIGN BY OTHERS. SUBMIT P.ENG STAMPED SHOP DRAWING FOR REVIEW PRIOR TO FABRICATION.
- INFILL EXISTING STAIR OPENING w/ FULL LENGTH 2x10 AT 16" O.C. PROVIDE JOIST HANGERS TO EXISTING HEADERS & TRIMMERS.
- STAIRS, LANDINGS, GUARDS AND HANDRAILS BY MISC. METALS FABRICATOR. SUBMIT P.ENG STAMPED DRAWINGS FOR REVIEW PRIOR TO FABRICATION. REFER TO ARCHITECTURAL DRAWINGS FOR DESIGN. MINIMUM STRUCTURAL SPECS:
 1. STRINGERS: HSS 8x4x1/4 (LSI)
 2. TREADS: 14ga BENT METAL w/ CONCRETE FILL
 3. RISER & GUSSET: 14ga BENT METAL, GUSSET PROFILE TO SUIT DROPPED STRINGER
 4. LANDINGS: 4" CONCRETE SLAB ON 1 1/2" x 22ga HI-BOND METAL DECK, w/ L-4x4x1/4 TRIMMER ANGLES
- SUPPORT LANDINGS ON BUILDING COLUMNS AND ELEVATOR SHAFT WHERE REQUIRED.
- SUPPORT LANDINGS (BASEMENT TO MAIN FLOOR) ON HSS 4x4x1/4 COLUMNS WHERE REQUIRED.
- CURTAIN WALL, BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
- ROOF GLAZING, BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
- STEEL STUD WALLS, BY OTHERS. SUBMIT STAMPED SHOP DRAWINGS
- 1 1/2" x 22ga. METAL ROOF DECK. (MIN. 3 SPAN CONTINUOUS)
- RESERVED
- L 6x4x1/4 (LSH) TRIMMER ANGLE. SET ANGLE TO SUIT EXPANSION JOINT. REFER TO ARCH'L
- L-4x4x1/4 TRIMMER ANGLE. WELDED TO BEAM BELOW AS PER SHOP DRAWING.
- EXISTING WOOD HEADER & TRIMMERS TO REMAIN. PROVIDE NEW SIMPSON STRONG TIE LU210R-18 JOIST HANGERS TO SUPPORT JOISTS FRAMING INTO HEADER, AND PROVIDE SIMPSON STRONG TIE LU410R HANGER FROM HEADER TO TRIMMER.
- MODIFY EXISTING TRIMMER JOISTS TO SUIT NEW OPENING WIDTH. SUCH THAT TRIMMER JOISTS BEAR MIN. 12" FROM EDGE OF NEW OPENING. PROVIDE NEW (2) 2x10 HEADER c/w SIMPSON STRONG TIE LU210-2 EACH END TO TRIMMERS
- REINFORCE EXISTING TRIMMER w/ (1) 2x10 SISTER.
- PROVIDE SIMPSON STRONG TIE LU410R HANGER TO CONNECT EXISTING TRIMMER TO NEW FLUSH FRAMED LVL FLOOR BEAM.
- L8x6x3/8 ANGLE (LLV) w/ 1/2" Ø THREADED ROD ANCHORS AT 8" O.C. REFER TO DETAIL 2/S3.1 FOR CONNECTIONS. (MIN. 3 ANCHORS PER SECTION OF ANGLE)
- CONT. BENT METAL UPSTAND. REFER TO SECTIONS ON S3.1 FOR PROFILE AT EAVE.
- BENT METAL UPSTAND TO CAP ELEVATOR WALL & GABLE END OF ROOF. REFER TO SECTION 1/S3.1 FOR PROFILES.

STRUCTURAL WALL SCHEDULE

MARK	SIZE	REINFORCING
MW-1	8" CONCRETE BLOCK	15M VERTICAL AT 8" O.C. 9 GA. LADDER TYPE JOINT REINFORCING AT 24" O.C. (EVERY THIRD COURSE) GROUT ALL CORES SOLID

NOTES:
1. THE BASE OF WALL TO FOOTING / FOUNDATION WALL CAST-IN DOWELS AS PER DETAIL 3/S1.1

COLUMN SCHEDULE

MARK	TYPE	COLUMN SIZE	BASEPLATE SIZE	ANCHOR BOLTS
C1		HSS 5 x 5 x 1/4	SEE PLAN	SEE PLAN & DETAILS
C2		W6x15	12" x 34" x 12"	4 - 3/4" DIA. ANCHOR RODS
C3				
C4		HSS 4x4x1/4	8" x 34" x 12"	4 - 3/4" DIA. ANCHORS

BLOCK LINTEL SCHEDULE

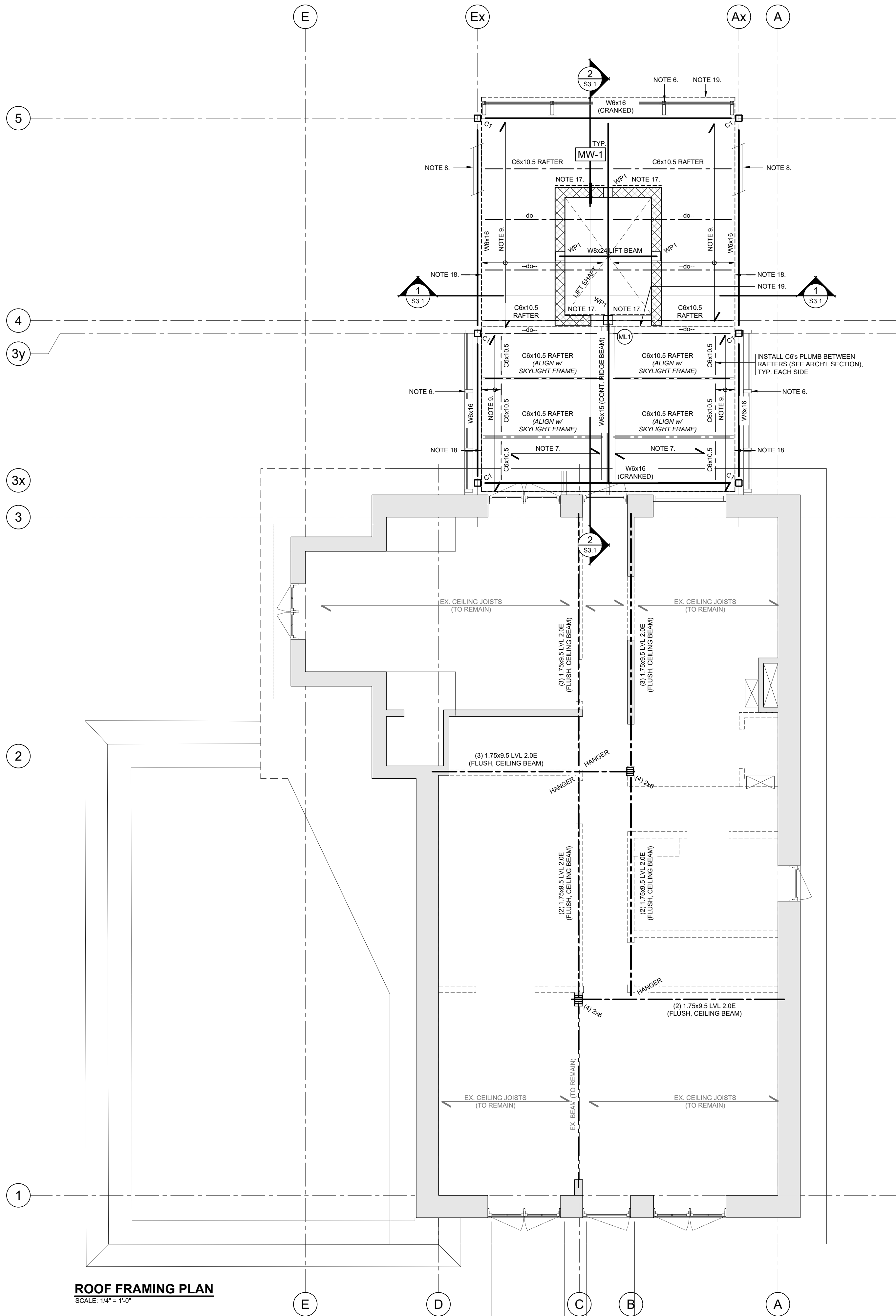
MARK	TYPE	SIZE
ML1		2 - L 3 1/2 x 3 1/2 x 1/4
ML2		W 8x18 + 3/8" THICK PLATE TO SUIT WALL THICKNESS & 15M x 12" LONG DOWELS AT 48" OC.

NOTES:
1. MIN. BEARING FOR STEEL LINTELS TO BE 8" U.N.O.

WALL PLATE SCHEDULE

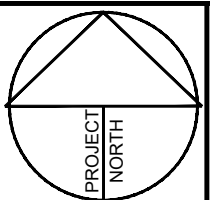
MARK	SIZE	DOWELS
WP1	6" x 1/2" x 6"	1 - 15M x 24" LONG WELDED TO U/S OF PLATE

NOTES:
1. GROUT VOIDS SOLID BELOW WALL PLATE.
2. BEAMS TO BEAR FULLY ONTO WALL PLATE.



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

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No.	Date	Issued for / Revision
1.	APRIL 26 2023	100% DD REVIEW
2.	MAY 26 2023	50% CONTRACT DOCUMENTS
3.	JULY 11 2023	REVIEW SET
4.	AUG 8 2023	PERMIT & TENDER

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SBA

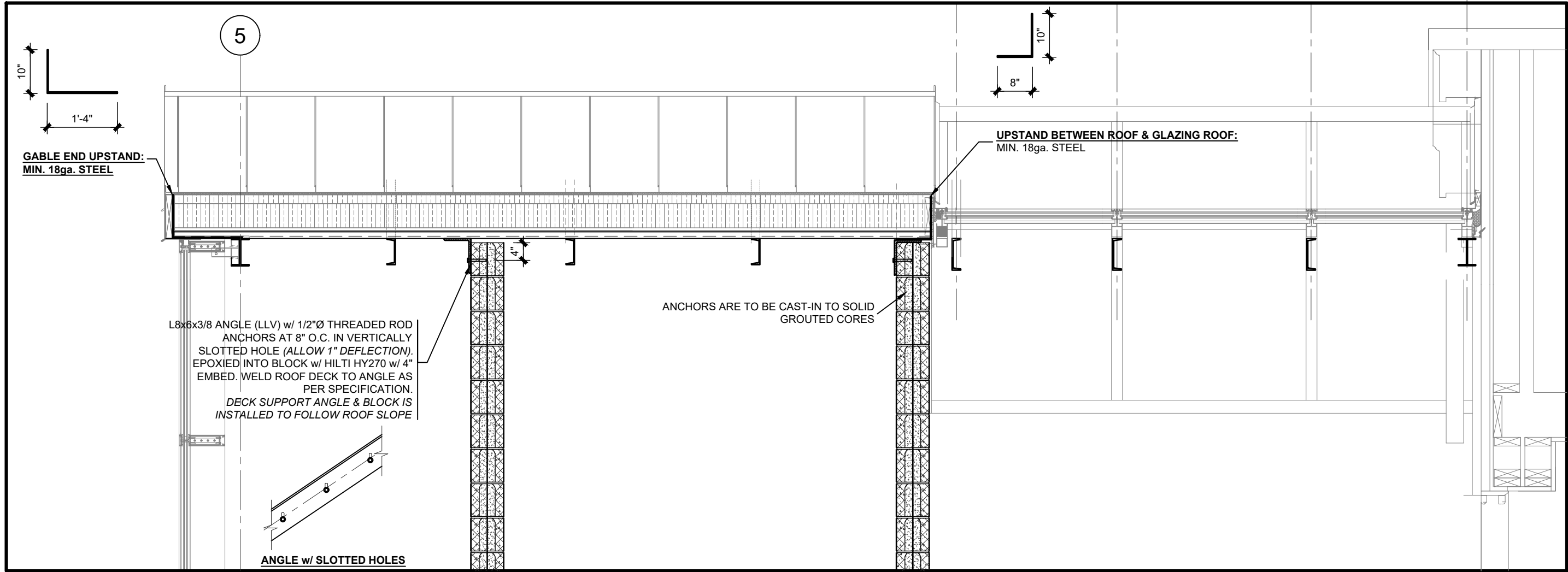
Stevens Burgess Architects Ltd.
204 - 120 CARLTON ST. TORONTO, ON

**SPADINA MUSEUM
GARAGE
REHABILITATION**
285 SPADINA ROAD TORONTO, ON

**ROOF
FRAMING PLAN**

Project No. TE-41243-22 Drawn By: JDH

S2.3



SECTION - THROUGH ROOF TYPES
SCALE: 1/2" = 1'-0"

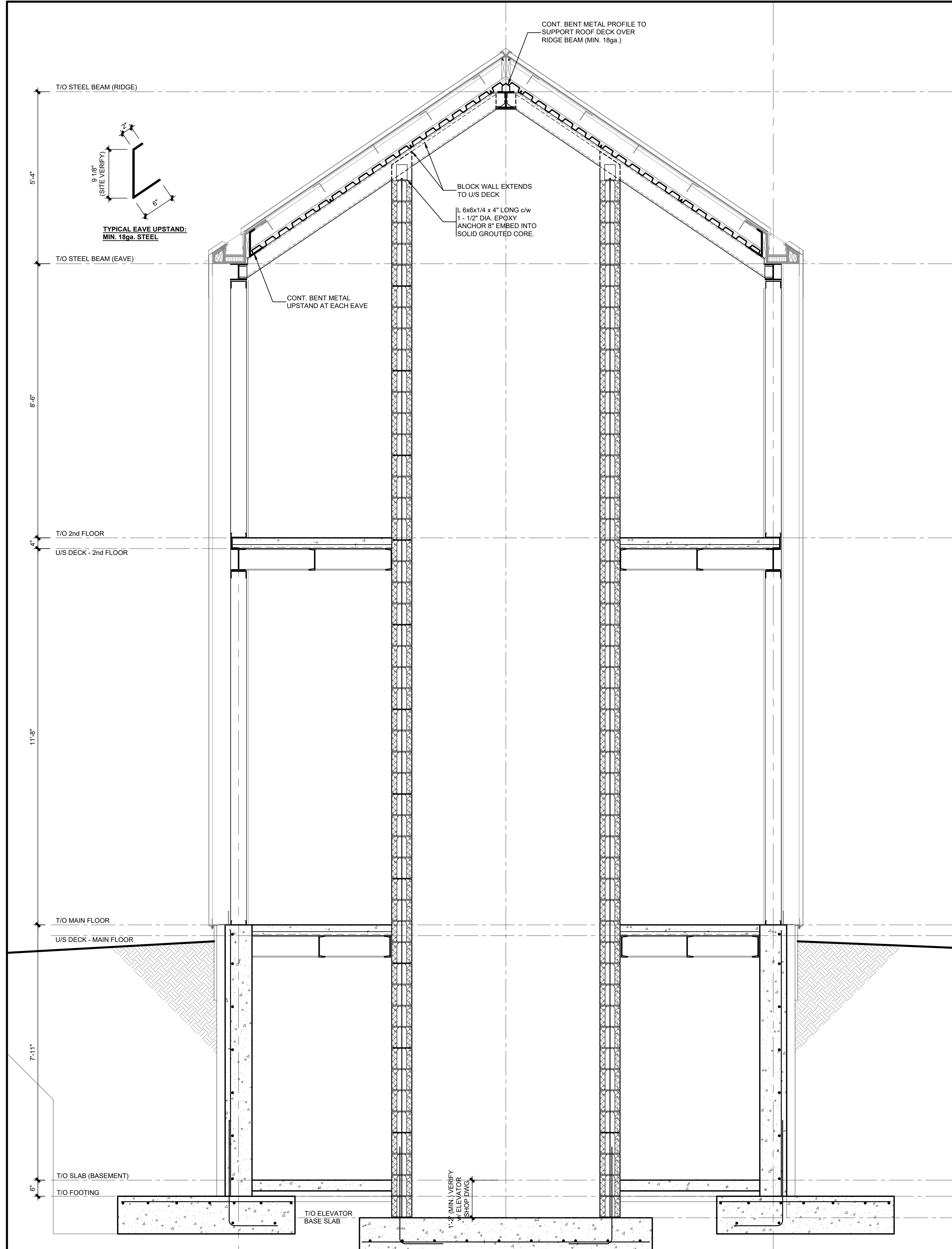
STRUCTURAL DESIGN LOADS:

- STRUCTURAL DESIGN IS TO OBC 2012 /2022 PART 4
- PRIMARY GRAVITY STRUCTURAL SYSTEMS:
ROOFS / FLOORS:
VARIOUS - SEE PLANS
VERTICAL LOAD BEARING:
VARIOUS - SEE PLANS
FOUNDATIONS
03 - POURED CONCRETE
- DESIGN LOADS ARE UNFACTORED UNLESS NOTED OTHERWISE.
CLIMATIC DESIGN DATA (TORONTO (CITY HALL)):
Snow Load S_s = 0.9 kPa
 S_r = 0.4 kPa
Wind Pressure $q(z)$ = 0.44 kPa
A. BUILDING IMPORTANCE CATEGORY = Normal
B. WIND
Importance Factor I_w ULS = 1.0
 I_w SLS = 0.75
INTERNAL PRESSURE CATEGORY
THE STRUCTURE HAS BEEN DESIGNED TO RESIST WIND FORCES IN ACCORDANCE WITH THE PROCEDURE DESCRIBED IN THE OBC 2012 /2022 AND THE NATIONAL BUILDING CODE OF CANADA (NBCC) STRUCTURAL COMMENTARY 1.
C. ROOF
ROOF DEAD LOAD D_L = 1.0 kPa (20 psf)
Snow Importance Factor I_s ULS = 1.0
 I_s SLS = 0.8
ROOF SNOW LOAD
 S = $\max\{S_{ss}(C_{dr}C_{exp}C_{ce}C_{e}) + S_r\}$
 S = $1.0(0.8)(0.8)(1.0)(1.0)(1.0) + 0.4$
 S = 1.2 kPa (23.4 psf) BASIC CASE
REFER TO PLANS FOR AREAS AND MAGNITUDE OF BUILT UP SNOW LOADS.
THE ROOF STRUCTURE HAS BEEN DESIGNED CONFORMING TO OBC 4.1.6.4.(1). ADDITIONAL WATER LOADS (STORM WATER RETENTION) HAVE NOT BEEN INCLUDED IN THE DESIGN. THIS IS A M1 OR M2 DESIGN AS PER THE FLOW CONTROL ROOF DRAINAGE DECLARATION.
D. FLOOR LOADS:
OCCUPANCY (LIVE) = 4.8 kPa (100 psf) (MAIN FLOOR); 2.4 kPa (SECOND FLOOR)
DEAD LOAD = 100 CONCRETE (ADDITION FLOOR ONLY)
 D_L = 2.34 + 1.0
 D_L = 3.34 kPa (70 psf)
- HANDRAIL DESIGN LOADS: TO OBC 4.1.5.14.(7).

FOUNDATIONS:

- ALL FOOTINGS SHALL BE FOUND IN ACCORDANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL REPORT; NO GEOTECHNICAL REPORT HAS YET BEEN SUPPLIED FOR THIS PROJECT. ALL BEARING PRESSURES HAVE BEEN ASSUMED AND MUST BE VERIFIED ON SITE, PRIOR TO PLACING FOOTINGS (PREFERABLY PRIOR TO COMMENCING CONSTRUCTION).
- DESIGN BEARING PRESSURES ON UNDISTURBED NATIVE SOIL, OR APPROVED ENGINEERED FILL ARE AS FOLLOWS:
SLS: kPa (psf) ULS: kPa (psf) LOCATIONS
150 (3000) 225 (4500) ALL FOOTINGS
- SHOULD UNDERGROUND WATER BE ENCOUNTERED, PROVIDE DOWATERING FACILITIES TO KEEP WATER LEVEL BELOW FOOTINGS. REFER TO SOIL ENGINEERS RECOMMENDATIONS FOR REMEDIAL MEASURES.
- LATERAL EARTH PRESSURE FACTORS:
DENSITY = 20.4 kN/m³
 q = 2.4 kPa or 4.8 kPa or 12.0 kPa (VARIES BY LOCATION)
 K_0 = 0.50 (FOUNDATION WALLS)
 K_0 = 0.35 (RETAINING WALLS AND CURBS NOT SUPPORTED AT THE TOP)
FRICTION COEFFICIENT = 0.35

FOR OTHER PROJECT INFORMATION REFER TO
BOUND SPECIFICATIONS. READ IN
CONJUNCTION WITH PROJECT DRAWINGS



SECTION - ELEVATOR SHAFT
SCALE: 1/2" = 1'-0"

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SECTIONS

Project No: TE-41243-22
Drawn By: JDH

S3.1