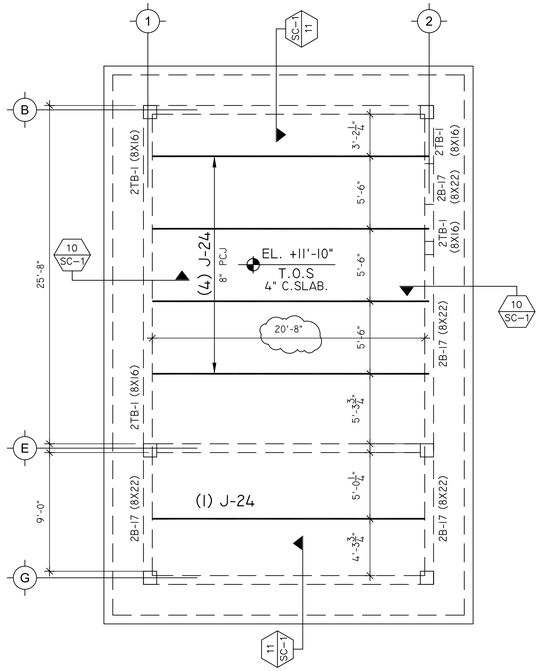
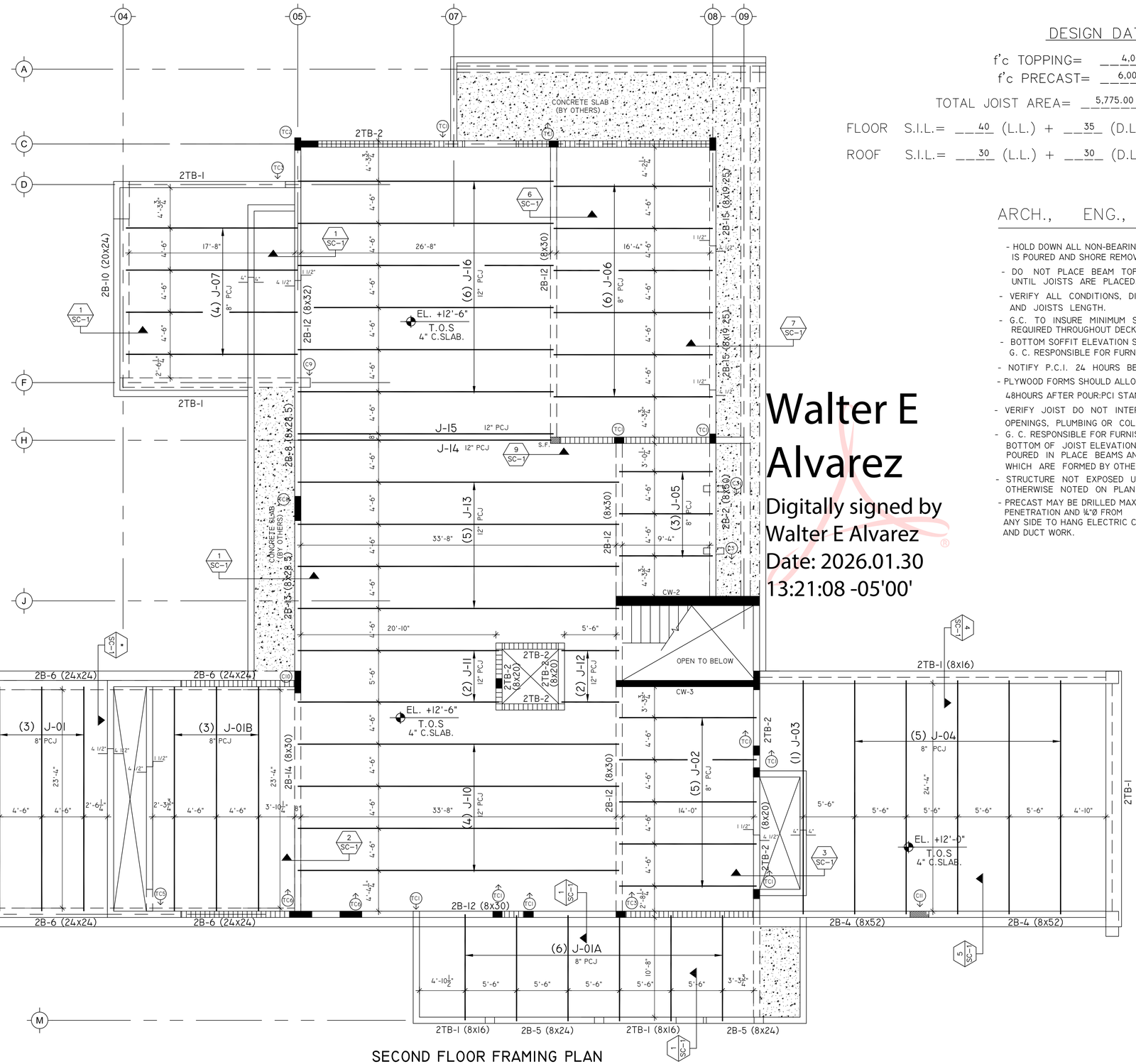


ROOF FRAMING PLAN (GARAGE BLDG)

3/16" = 1'-0"



SECOND FLOOR FRAMING PLAN

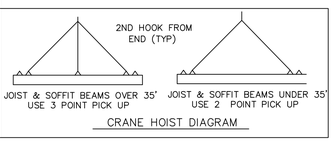
3/16" = 1'-0"

NOTE:
1. ENG. ARCH. & G.C. PLEASE VARIFY ALL DIMENSION AND SECTION

LEGEND

- (A) STANDARD
- (B) BEVEL END, SCE DETAIL
- (N) BOTTOM NOTCH REQ'D., SCE DETAIL.
- (S) SHEAR FRICTION REQ'D., SCE DETAIL.
- (H) HANGER CONNECTION REQ'D., SCE DETAIL
- (T) NO TOP NOTCH REQ'D., SCE DETAIL.
- (U) BUILD UP REQ'D., SCE DETAIL.
- (P) EMBED PLATE OR "L" REQ'D., SCE DETAIL.
- (O) BLOCK OUT REQ'D., SCE DETAIL.
- (C) SPECIAL TOP NOTCH OR STEP REQ'D, SCE DETAIL.
- (I) INSCRT REQ'D. SCE DETAIL.
- (D) DROP INS REQ'D. SCE DETAIL
- (L) DOVETAIL REQ'D., SCE DETAIL.
- (E) ADDITIONAL STEEL REQ'D., SCE DETAIL.
- (W) BOTT. NOTCH W/O TOP NOTCH REQ'D., SCE DETAIL.
- (NY) 1" HYDRAULIC CEMENT ONE END.
- (R) RED TAG

JOIST	WEIGHT LB/LF
8"	46
12"	69
16"	91
20"	135
24"	181
28"	207
S.B.16"	152
S.B.24"	156



CRANE HOIST DIAGRAM

DESIGN DATA

f'c TOPPING= 4,000 P.S.I.
f'c PRECAST= 6,000 P.S.I.
TOTAL JOIST AREA= 5,775.00 SF THIS SHT.
FLOOR S.I.L.= 40 (L.L.) + 35 (D.L.)= 75 P.S.F.
ROOF S.I.L.= 30 (L.L.) + 30 (D.L.)= 60 P.S.F.

ARCH., ENG., G.C., NOTE:

- HOLD DOWN ALL NON-BEARING WALLS UNTIL SLAB IS POURED AND SHORE REMOVED.
- DO NOT PLACE BEAM TOP STEEL UNTIL JOISTS ARE PLACED.
- VERIFY ALL CONDITIONS, DIMENSIONS, SOFFIT AND JOISTS LENGTH.
- G.C. TO INSURE MINIMUM SLAB THICKNESS REQUIRED THROUGHOUT DECK.
- BOTTOM SOFFIT ELEVATION SHOWN AS REFERENCE, G. C. RESPONSIBLE FOR FURNISHING ELEVATIONS.
- NOTIFY P.C.I. 24 HOURS BEFORE POURING.
- PLYWOOD FORMS SHOULD ALLOW TO BE STRIPPED 48HOURS AFTER POUR:PCI STANDARD
- VERIFY JOIST DO NOT INTERFERE WITH OPENINGS, PLUMBING OR COL. STEEL.
- G. C. RESPONSIBLE FOR FURNISHING CORRECT BOTTOM OF JOIST ELEVATIONS ALONG POURED IN PLACE BEAMS AND GRADE BEAMS, WHICH ARE FORMED BY OTHERS.
- STRUCTURE NOT EXPOSED UNLESS OTHERWISE NOTED ON PLAN.
- PRECAST MAY BE DRILLED MAX. AND 1" PENETRATION AND ¼"Ø FROM ANY SIDE TO HANG ELECTRIC CONDUIT AND DUCT WORK.

Walter E Alvarez
Digitally signed by Walter E Alvarez
Date: 2026.01.30 13:21:08 -05'00'

ROOF +25'-0" +23'-6" T.O.S
SECOND FLOOR +12'-6" +12'-0" T.O.S
FIRST FLOOR +0'-0" T.O.S

ELEVATION
TOP OF SLAB

PRESTRESS CONCRETE INC.
6187 MIAMI LAKES DR. EAST
MIAMI LAKES, FLORIDA 33014
(305) 558-3515
(FAX) 558-8557

SEAL

WALTER E. ALVAREZ P.E.
CIVIL/STRUCTURAL
STATE OF FLORIDA
CERTIFICATE NO. 18501

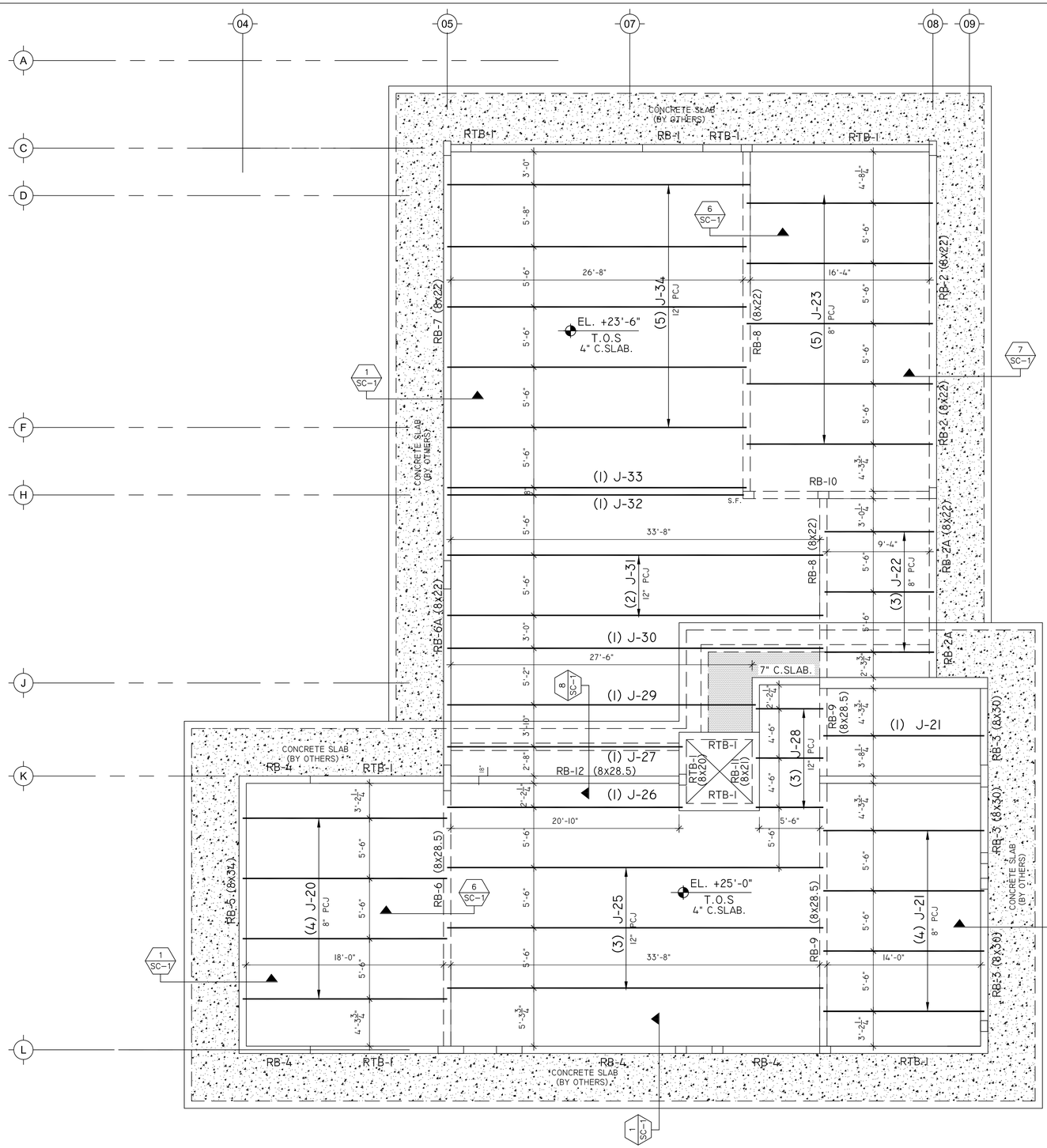
CERTIFICATE OF AUTHORIZATION NUMBER
00009404

REVISIONS
- GARAGE (1/28/26)

DRAWN: JMS 11.6.2025
CKD.: DOUG/MYRNA 11/18/25
APPVD.:
ISSUED:
FROM STRUCT. DWGS.
SHEET: S-1.1
DATED: 11-15-2024

DRAWING:	SECOND FLOOR FRAMING PLAN (SHOPDRAWING)
PROJECT:	NEW SINGLE FAMILY RESIDENCE
LOCATION:	12700 ROLLING ROAD DR PINECREST, FL 33156
ARCH.:	AI2 DESIGN CORP
ENG.:	FELIX DAYAN GUERRA PE
G.C.:	-

JOB No. 3158
SHEET: S-1

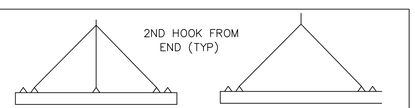


ROOF FRAMING PLAN

3/16" = 1'-0"

NOTE:
I. ENG. ARCH. & G.C. PLEASE VARIFY ALL DIMENSION AND SECTION

JOIST	WEIGHT LB/LF
8"	46
12"	69
16"	91
20"	135
24"	181
28"	207
S.B.16"	152
S.B.24"	156



JOIST & SOFFIT BEAMS OVER 35' USE 3 POINT PICK UP

JOIST & SOFFIT BEAMS UNDER 35' USE 2 POINT PICK UP

CRANE HOIST DIAGRAM

DESIGN DATA

f'c TOPPING= 4,000 P.S.I.
f'c PRECAST= 6,000 P.S.I.
TOTAL JOIST AREA= 3,679.00 SF THIS SHT.
ROOF S.I.L.= 30 (L.L.) + 30 (D.L.)= 60 P.S.F.

ARCH., ENG., G.C., NOTE:

- HOLD DOWN ALL NON-BEARING WALLS UNTIL SLAB IS POURED AND SHORE REMOVED.
- DO NOT PLACE BEAM TOP STEEL UNTIL JOISTS ARE PLACED.
- VERIFY ALL CONDITIONS, DIMENSIONS, SOFFIT AND JOISTS LENGTH.
- G.C. TO INSURE MINIMUM SLAB THICKNESS REQUIRED THROUGHOUT DECK.
- BOTTOM SOFFIT ELEVATION SHOWN AS REFERENCE, G. C. RESPONSIBLE FOR FURNISHING ELEVATIONS.
- NOTIFY P.C.I. 24 HOURS BEFORE POURING.
- PLYWOOD FORMS SHOULD ALLOW TO BE STRIPPED 48HOURS AFTER POUR:PCI STANDARD
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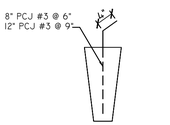
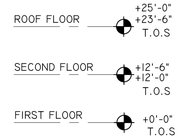
- STRUCTURE NOT EXPOSED UNLESS OTHERWISE NOTED ON PLAN.
- PRECAST MAY BE DRILLED MAX. AND 1" PENETRATION AND ¼"Ø FROM ANY SIDE TO HANG ELECTRIC CONDUIT AND DUCT WORK.

LEGEND

- (A) STANDARD
- (B) BEVEL END, SCE DETAIL
- (N) BOTTOM NOTCH REQ'D., SCE DETAIL.
- (S) SHEAR FRICTION REQ'D. , SCE DETAIL.
- (H) HANGER CONNECTION REQ'D., SCE DETAIL
- (T) NO TOP NOTCH REQ'D., SCE DETAIL.
- (U) BUILD UP REQ'D., SCE DETAIL.
- (P) EMBED PLATE OR "L" REQ'D., SCE DETAIL.
- (O) BLOCK OUT REQ'D., SCE DETAIL.
- (C) SPECIAL TOP NOTCH OR STEP REQ'D, SCE DETAIL.
- (I) INSCRT REQ'D. SCE DETAIL.
- (D) DROP INS REQ'D. SCE DETAIL
- (L) DOVETAIL REQ'D., SCE DETAIL.
- (E) ADDITIONAL STEEL REQ'D., SCE DETAIL.
- (W) BOTT. NOTCH W/O TOP NOTCH REQ'D., SCE DETAIL.
- (NY) 1" HYDRAULIC CEMENT ONE END.
- (R) RED TAG



SHEAR STEEL STD. DETAIL
SHEAR STEEL REINF. IS NOT INTENDED TO SUPPORT SLAB REINF.



ELEVATION
TOP OF SLAB

Walter E Alvarez
Digitally signed by Walter E Alvarez
Date: 2026.01.30 13:21:26 -05'00'

PRESTRESS CONCRETE INC.
6187 MIAMI LAKES DR. EAST
MIAMI LAKES, FLORIDA 33014
(305) 558-3515
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SEAL
WALTER E. ALVAREZ P.E.
CIVIL/STRUCTURAL
STATE OF FLORIDA
CERTIFICATE NO. 18501

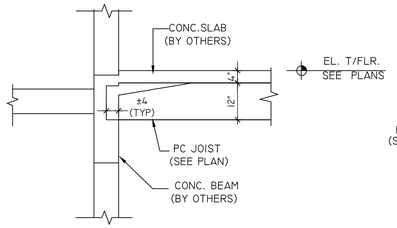
CERTIFICATE OF AUTHORIZATION NUMBER
00009404

REVISIONS
△
△
△
△
△
△

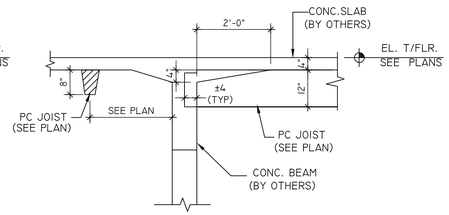
DRAWN: JMS 11.6.2025
CKD.: DOUG/MYRNA 11/18/25
APPVD.:
ISSUED:
FROM STRUCT. DWGS.
SHEET: S-1.2
DATED: 05/30/2025

DRAWING:	ROOF FRAMING PLAN (SHOPDRAWING)
PROJECT:	NEW SINGLE FAMILY RESIDENCE
LOCATION:	12700 ROLLING ROAD DR PINECREST, FL 33156
ARCH.:	AI2 DESIGN CORP
ENG.:	FELIX DAYAN GUERRA PE
G.C.:	-

JOB No. 3155
SHEET: S-2



SECTION 1



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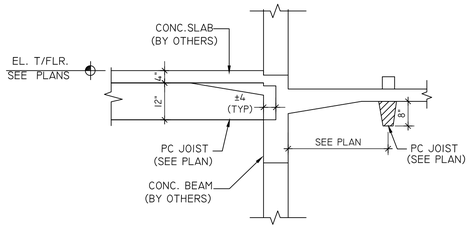

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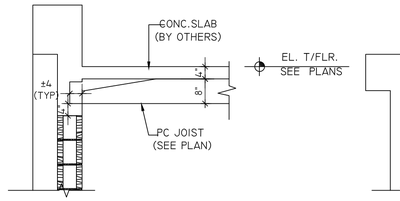

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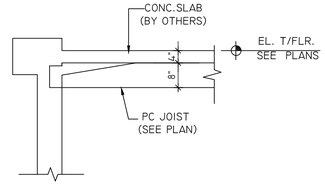

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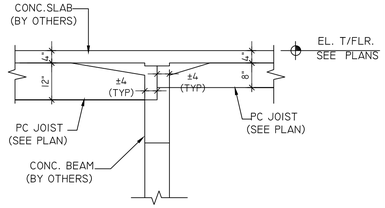

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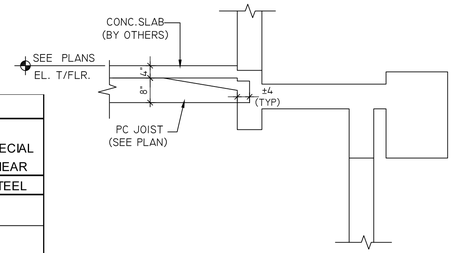

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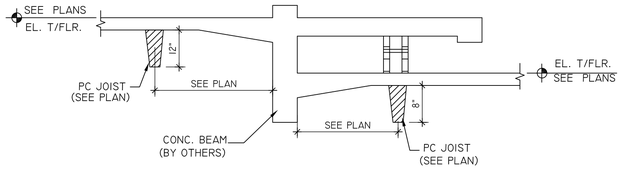

SECTION 8

JOIST SCHEDULE

2nd Floor / Garage

MARK	TYPE	QTY.	LENGTH FT	LENGTH IN	STRANDS	STRAND PATTERN	DEP	REBAR	PULL	REL	CROWN	S.I.L.	SLAB	Vu	SPECIAL CONDITION ONE END	SPECIAL CONDITION OTHER END	SPECIAL CONDITION OTHER	SPECIAL SHEAR STEEL
J1A	8	6	11	6	2H-PL	2.00, 4.00			0.6	3500	1/8	75	4"	4.9	A	A		
J1B	8	6	24	2	**3-1 PT**	2.00, 4.00	**3.5**	1 # 5 X 15' @ 2"	0.6	3500	1/2	75	4"	9.1	A	A		
J2	8	5	14	10	2H-PL	2.00, 4.00			0.6	3500	3/8	75	4"	5.4	A	A		
J3	8	1	25	2	**3-1PT**	**2 @ 2 , 6**	**3.5**	1-#5 x 15' @ 2"	0.6	**4900**	1"	75	4"	10.5	A	A		
J4	8	5	25	2	**3-1PT**	**2 @ 2 , 6**	**3.5**	1-#5 x 15' @ 2"	0.6	**4900**	1"	75	4"	11.5	A	A		
J5	8	3	10	2	2H-PL	2.00, 4.00			0.6	3500	1/4	75	4"	3.5	A	A		
J6	8	6	17	2	2H-PL	2.00, 4.00			0.6	3500	1/2	75	4"	6.3	A	A		
J7	8	4	18	6	2H-PL	2.00, 4.00			0.6	3500	1/2	75	4"	6.9	A	A		
J8	8	5	21	5	2-PL	2.00, 4.00			0.6	3500	1/2	60	4"	8.9	A	A		
J10	12	4	34	6	**4-1PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4400**	1"	75	4"	13.6	A	A		
J11	12	2	21	8	3H-PL	2.75, 4.75, 6.75			0.6	3500	3/8	75	4"	8.7	A	A		
J12	12	2	6	4	3H-PL	2.75, 4.75, 6.75			0.6	3500	1/8	75	4"	2	A	A		
J13	12	5	34	6	**4-1PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4400**	1"	75	4"	13.6	A	A		
J14	12	1	27	2	3H-PL	2.75, 4.75, 6.75			0.6	3500	1/2	75	4"	6.6	S	A		
J15	12	1	27	6	3H-PL	2.75, 4.75, 6.75			0.6	3500	1/2	75	4"	6.6	A	A		
J16	12	6	27	6	3H-PL	2.75, 4.75, 6.75			0.6	3500	1/2	75	4"	10.7	A	A		

JOIST SCHEDULE

Roof Level

MARK	TYPE	QTY.	LENGTH FT	LENGTH IN	STRANDS	STRAND PATTERN	DEP	REBAR	PULL	REL	CROWN	S.I.L.	SLAB	Vu	SPECIAL CONDITION ONE END	SPECIAL CONDITION OTHER END	SPECIAL CONDITION OTHER	SPECIAL SHEAR STEEL
J20	**8**	4	18	9	2H-PL	2.00, 4.00			0.6	3500	3/8	60	4"	7.4	A	A		
J21	**8**	5	14	9	2H-PL	2.00, 4.00			0.6	3500	3/8	60	4"	5.7	A	A		
J22	**8**	3	10	1	2H-PL	2.00, 4.00			0.6	3500	1/4	60	4"	3.5	A	A		
J23	**8**	5	17	1	2H-PL	2.00, 4.00			0.6	3500	3/8	60	4"	6.7	A	A		
														8.9				
J25	12	3	34	5	**4H-PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4400**	1 ¼	60	4"	14.4	A	A		
J26	12	1	21	7	3H-PL	2.75, 4.75, 6.75			0.6	3500	3/8	60	4"	6.4	A	A		
J27	12	1	21	7	3H-PL	2.75, 4.75, 6.75			0.6	3500	3/8	60	4"	5.5	A	A		
J28	12	3	6	10	3H-PL	2.75, 4.75, 6.75			0.6	3500	1/8	60	4"	1.8	A	A		
J29	12	1	28	3	**4H-PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4730**	7/8	60	4"	9.7	A	A		
J30	12	1	34	5	**4H-PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4400**	1 ¼	60	4"	11	A	A		
J31	12	1	34	5	**4H-PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4400**	1 ¼	60	4"	14.4	A	A		
J32	12	2	27	5	**4H-PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4770**	7/8	60	4"	6.8	A	A		
J33	12	2	27	5	**4H-PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4770**	7/8	60	4"	6.8	A	A		
J34	12	5	27	5	**4H-PT**	2.75, 4.75, 6.75, 8.75	**4.5**		0.6	**4770**	7/8	60	4"	11.5	A	A		

LEGEND

- (A) STANDARD
- (B) BEVEL END, SCE DETAIL
- (N) BOTTOM NOTCH REQ'D., SCE DETAIL.
- (S) SHEAR FRICTION REQ'D. , SCE DETAIL.
- (H) HANGER CONNECTION REQ'D., SCE DETAIL
- (T) NO TOP NOTCH REQ'D., SCE DETAIL.
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- (P) EMBED PLATE OR "L" REQ'D., SCE DETAIL.
- (O) BLOCK OUT REQ'D., SCE DETAIL.
- (C) SPECIAL TOP NOTCH OR STEP REQ'D, SCE DETAIL.
- (I) INSCRT REQ'D. SCE DETAIL.
- (D) DROP INS REQ'D. SCE DETAIL
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- (E) ADDITIONAL STEEL REQ'D., SCE DETAIL.
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- (NY) 1" HYDRAULIC CEMENT ONE END.
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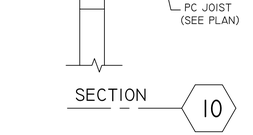
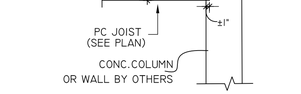


SECTION 10



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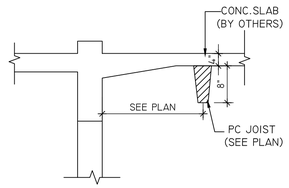
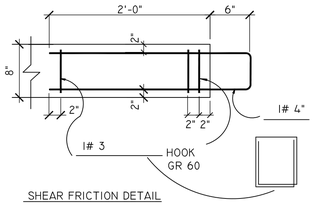
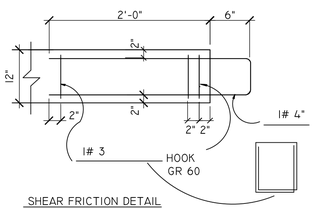


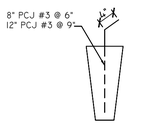
SECTION 11



SHEAR FRICTION DETAIL



SHEAR FRICTION DETAIL



SHEAR STEEL STD. DETAIL

SHEAR STEEL REINF. IS NOT INTENDED TO SUPPORT SLAB REINF.

Walter E Alvarez

Digitally signed by Walter E Alvarez
Date: 2026.01.30 13:21:49 -05'00'

DRAWING:	SCHEDULE , NOTES AND DETAILS (SHOPDRAWING)
PROJECT:	NEW SINGLE FAMILY RESIDENCE
LOCATION:	12700 ROLLING ROAD DR PINECREST, FL 33156
ARCH.:	AI2 DESIGN CORP
ENG.:	FELIX DAYAN GUERRA PE
G.C.:	-

PRESTRESS CONCRETE INC.
6187 MIAMI LAKES DR. EAST
MIAMI LAKES, FLORIDA 33014
(305) 558-3515
(FAX) 558-8557

SEAL

WALTER E. ALVAREZ P.E.
CIVIL/STRUCTURAL
STATE OF FLORIDA
CERTIFICATE NO. 18501

CERTIFICATE OF AUTHORIZATION NUMBER
00009404

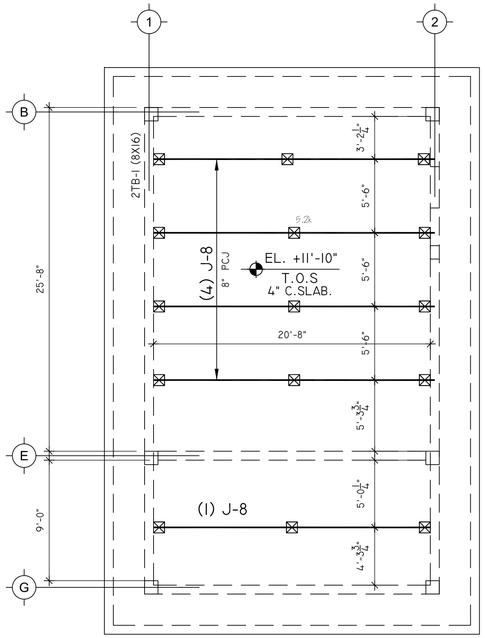
REVISIONS

- GARAGE (1/28/26)

DRAWN: JMS 11.6.25
CKD.: DOUG/MYRNA 11/18/25
APPVD.:
ISSUED:
FROM STRUCT. DWGS.
SHEET: =
DATED:

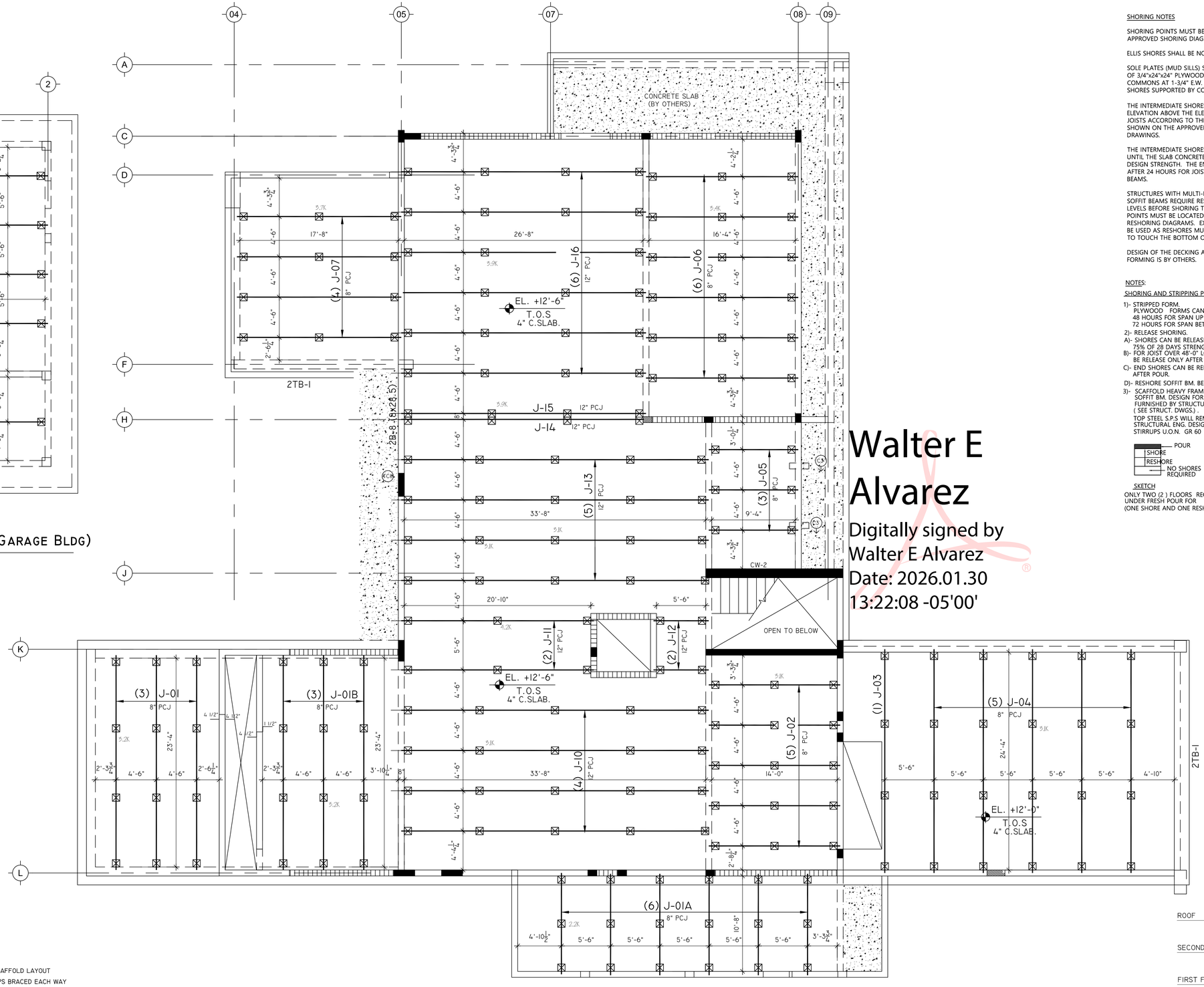
JOB No. 3158

SHEET: SC-1



ROOF SHORING PLAN (GARAGE BLDG)

3/16" = 1'-0"



SECOND FLOOR SHORING PLAN

ELEVATION

TOP OF SLAB

LEGEND

- SCAFFOLD TOWER W/ PERPENDICULAR I-BEAM HEAVY FRAME 20K
- SCAFFOLD TOWER HEAVY FRAME 20K
- DOUBLE WOOD SHORE 4"X 4" W/ DBL. ELLIS
- (A-) SCAFFOLD LAYOUT CLAMPS BRACED EACH WAY
- SINGLE WOOD SHORE 4"X 4" W/ DBL. ELLIS CLAMPS.
- TRIPLE WOOD SHORE 4"X 4" W/ DBL. ELLIS CLAMPS.
- PSI STEEL PIPE SHORE OR SIMILAR
- POST SHORE ALITE 350+350 OR SIMILAR

SHORING NOTES

SHORING POINTS MUST BE LOCATED AS SHOWN IN THE APPROVED SHORING DIAGRAMS AND PLANS.

ELLIS SHORES SHALL BE NOMINAL 4"x4", NO. 2 HEM-FIR.

SOLE PLATES (MUD SILLS) SHALL BE MINIMUM 3 LAYERS OF 3/4"x24"x24" PLYWOOD TIERED ATTACHED WITH 8d COMMONS AT 1-3/4" E.W. TOP/BOTTOM TYPICAL ALL SHORES SUPPORTED BY COMPACTED FILL.

THE INTERMEDIATE SHORES ARE TO BE SET AT AN ELEVATION ABOVE THE ELEVATION OF THE ENDS OF THE JOISTS ACCORDING TO THE "SHORE SET" DIMENSION SHOWN ON THE APPROVED JOIST ERECTION SHOP DRAWINGS.

THE INTERMEDIATE SHORES SHALL REMAIN IN PLACE UNTIL THE SLAB CONCRETE HAS REACHED 70% OF THE DESIGN STRENGTH. THE END SHORES MAY BE REMOVED AFTER 24 HOURS FOR JOISTS BEING SUPPORTED BY SOFFIT BEAMS.

STRUCTURES WITH MULTI-LEVELS OF JOISTS AND/OR SOFFIT BEAMS REQUIRE RESHORING OF THE POURED LEVELS BEFORE SHORING THE NEXT LEVEL. THE SHORING POINTS MUST BE LOCATED AS SHOWN ON THE RESHORING DIAGRAMS. EXISTING SHORES THAT ARE TO BE USED AS RESHORES MUST BE LOOSENED AND RESET TO TOUCH THE BOTTOM OF THE JOIST OR SOFFIT BEAM.

DESIGN OF THE DECKING AND SUPPORTS AND BEAM FORMING IS BY OTHERS.

NOTES:

SHORING AND STRIPPING PROCEDURE.

1)- STRIPPED FORM.
PLYWOOD FORMS CAN BE STRIPPED AFTER:
48 HOURS FOR SPAN UP TO 8'-0".
72 HOURS FOR SPAN BETWEEN 8'-0" AND 11'-0"

2)- RELEASE SHORING.

A)- SHORES CAN BE RELEASE AFTER 7 DAYS OR 75% OF 28 DAYS STRENGTH OF SLAB.

B)- FOR JOIST OVER 48'-0" LONG SHORES MUST BE RELEASE ONLY AFTER 7 DAYS.

C)- END SHORES CAN BE RELEASE 24 HOURS AFTER POUR.

D)- RESHORE SOFFIT BM. BEFORE JOIST.

3)- SCAFFOLD HEAVY FRAME 20 K
SOFFIT BM. DESIGN FOR MU & VU VALUES FURNISHED BY STRUCTURAL ENGINEER (SEE STRUCT. DWGS.) .
TOP STEEL S.P.S WILL REMAIN AS STRUCTURAL ENG. DESIGN, STIRRUPS U.O.N. GR 60

SKETCH

ONLY TWO (2) FLOORS REQ'D.
UNDER FRESH POUR FOR
(ONE SHORE AND ONE RESHORE)

Walter E Alvarez

Digitally signed by Walter E Alvarez

Date: 2026.01.30 13:22:08 -05'00'

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REVISIONS

1	GARAGE (1/29/26)
2	
3	
4	
5	
6	

DRAWN:

CKD.: MYRNA 11/22/25

APPVD.:

ISSUED:

FROM STRUCT. DWGS.

SHEET:

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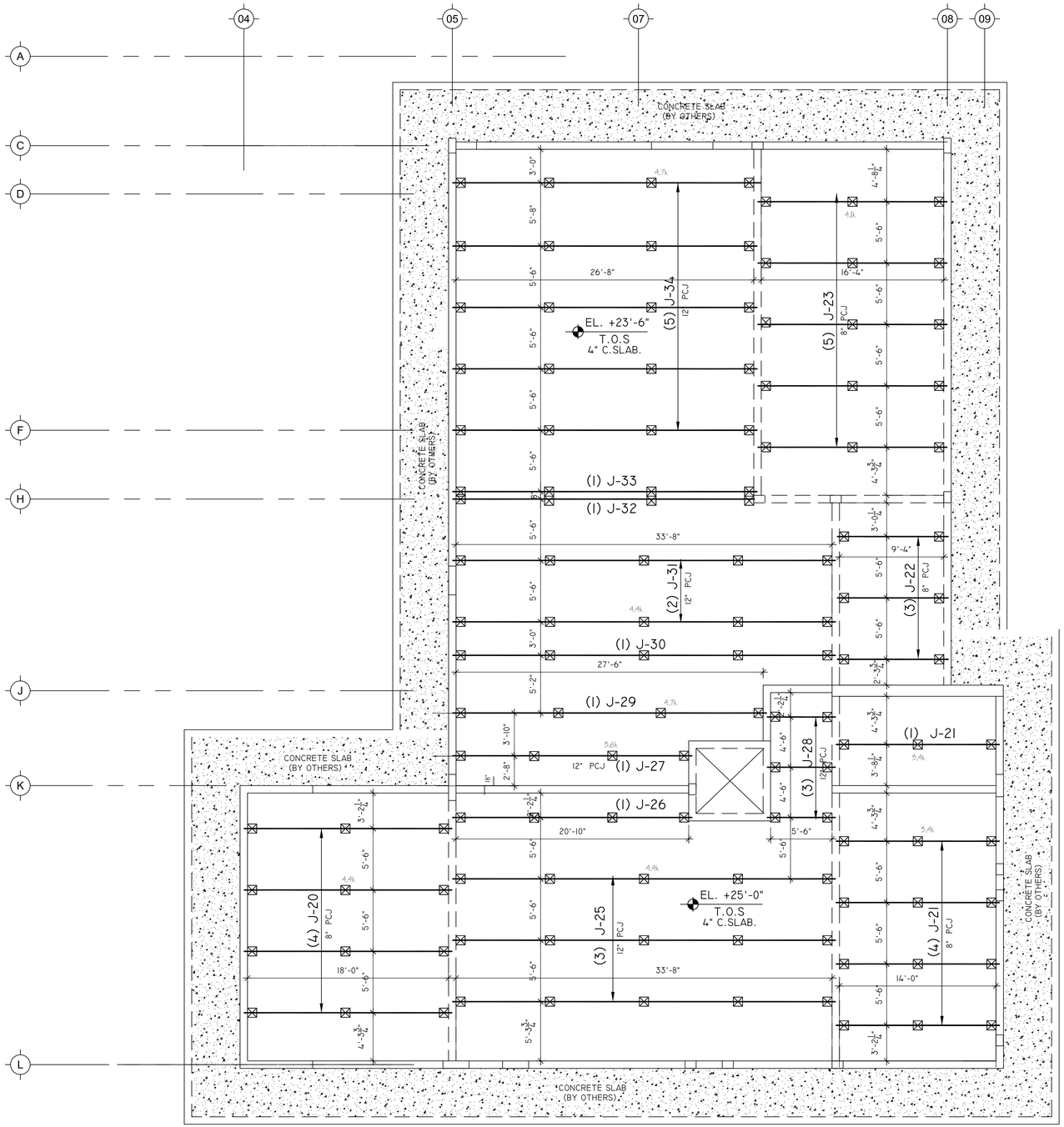

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- PSI STEEL PIPE SHORE OR SIMILAR
- POST SHORE ALITE 350+350 OR SIMILAR

Walter E Alvarez

Digitally signed by Walter E Alvarez
Date: 2026.01.30 13:22:29 -05'00'

ROOF +25'-0" / +23'-6" T.O.S

SECOND FLOOR +12'-6" / +12'-0" T.O.S

FIRST FLOOR +0'-0" T.O.S

ELEVATION
TOP OF SLAB

SHORING NOTES

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TOP STEEL S.P.S WILL REMAIN AS STRUCTURAL ENG. DESIGN, STIRRUPS U.O.N. GR 60

POUR
SHORE
RESHORE
NO SHORES REQUIRED

SKETCH
ONLY TWO (2) FLOORS REQ'D. UNDER FRESH POUR FOR (ONE SHORE AND ONE RESHORE)

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