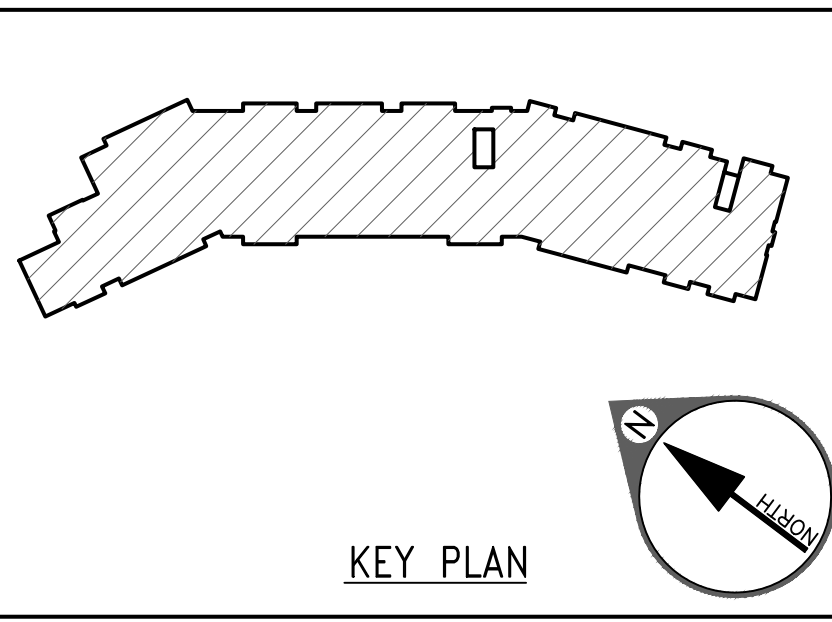


1.01 COMPOSITE ROOF PLAN/SAFETY EQUIPMENT LAYOUT
 (REF: A1-3/A1-10) SCALE: 3/32" = 1'-0"



THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION FOUND IN THE FOLLOWING:

ARCHITECTURAL	STRUCTURAL
MILE JOY TRAMMELL RUBIO ARCHITECTURE INTERIOR DESIGN 09/20/21 A1-3	BAN STRUCTURAL DESIGNS, LLC 09/13/21 S212

FOR REVIEW

GENERAL NOTES:

- PRO-BEL EQUIPMENT IS DESIGNED TO FEDERAL OSHA GENERAL INDUSTRY - REGULATION (STANDARDS-29 CFR) UNDER PART 1910; OCCUPATIONAL SAFETY AND HEALTH STANDARDS.
- 1910 SUBPART D - WALKING WORKING SURFACES-1910.27 PROTECTION.
- 1910.28-DUTY TO HAVE FALL PROTECTION AND FALLING OBJECT PROTECTION-CRITERIA AND PRACTICES.
- 1910 SUBPART I - PERSONAL PROTECTIVE EQUIPMENT
- 1910.140 - PERSONAL FALL PROTECTION SYSTEMS
- 1910 SUBPART F - POWERED PLATFORMS, MANIFOLDS, AND VEHICLE MOUNTED WORK PLATFORMS
- 1910.66-POWERED PLATFORMS FOR BUILDING MAINTENANCE
- PRO-BEL IS TO BE NOTIFIED OF ALL CHANGES TO AND/OR DEVIATIONS FROM THIS DRAWING.
- GENERAL CONTRACTOR/ARCHITECT/CONSULTANT/CLIENT TO VERIFY THAT PRO-BEL EQUIPMENT LOCATIONS DO NOT CONFLICT WITH DOORWAYS, ROOF DRAINS, VENT PIPES, MECHANICAL UNITS ETC.
- THE PORTIONS OF BUILDING STRUCTURE THAT SUPPORT PRO-BEL EQUIPMENT SHALL BE VERIFIED BY THE PROJECT STRUCTURAL ENGINEER/ARCHITECT FOR THE RESULTING FORCES AND MOMENTS DUE TO THE LOADS SHOWN ON PRO-BEL SHOP DRAWINGS.
- REINFORCING OF BUILDING STRUCTURE BY OTHERS AS REQUIRED BY THE PROJECT STRUCTURAL ENGINEER TO RESIST THE LOADS IMPOSED BY PRO-BEL EQUIPMENT.
- EVERY MAN OR WORKING ROOF LEVEL MUST HAVE DIRECT ACCESS TO THE INTERIOR OF THE BUILDING.
- THE SAFETY ANCHOR HAS BEEN TESTED TO ENSURE THAT ERUCTION OR IDEALIZATION DOES NOT OCCUR WITH A 22.2 kN (5,000 lbs) LOAD.
- THE WORKING LOAD OF THE SAFETY ANCHORS IS 4.45 kN(1,000lbs).
- INSTALLATION OF HORIZONTAL LIFELINES, STATIC LINES AND/OR DOG LINES BETWEEN ANCHORS/DAVITS WITHOUT PRIOR WRITTEN APPROVAL FROM PRO-BEL IS STRICTLY PROHIBITED, AND WILL RESULT IN THE MANUFACTURER'S WARRANTY BECOMING NULL AND VOID AND THE RELEVANT PRODUCT LIABILITY INSURANCE BEING CANCELLED.
- AREAS FROM WHERE PLATFORM/SINGLE MAN GAGE IS GROUND RIGGED MUST BE FREE OF ANY OBSTRUCTIONS AND LEVEL (MINIMUM 6'-0" WIDE) BY OTHERS
- WEATHERPROOF ELECTRICAL OUTLET C/W POWER CORD RESTRAINT ANCHOR AS REQUIRED; BY OTHERS
- WEATHERPROOF WATER HOSE BIB AS REQUIRED; BY OTHERS
- INTERMITTENT STABILIZATION ANCHORS/GUIDE TRACKS FOR STABILIZATION OF THE PLATFORM AS REQUIRED; BY OTHERS

MATERIAL:

- ALL STRUCTURAL STEEL IS DESIGNED AS PER AISC SPECIFICATIONS.
 - ALL HOLLOW STRUCTURAL SECTIONS CONFORM TO ASTM A500 OR EQUIVALENT CAN/CSA-C44.20/G40.21.
 - ALL STEEL PLATE AND OTHER SECTIONS CONFORM TO ASTM A36 OR EQUIVALENT CAN/CSA-C44.20/G40.21.
 - STAINLESS STEEL - TYPE 304/316.
- INSTALLATION:**
- EQUIPMENT IS TO BE SUPPLIED BY PRO-BEL AND INSTALLED BY OTHERS.
 - ROOFING IN OR PRO-BEL EQUIPMENT IS TO BE BY OTHERS.
 - ANY FALL ARREST ACCIDENT OR INCIDENT (FIRE, LIGHTNING ETC) INVOLVING USE OF PRO-BEL EQUIPMENT, OR IN THE VICINITY OF PRO-BEL EQUIPMENT, SHOULD BE REPORTED TO PRO-BEL, ENABLING PRO-BEL OR ITS AUTHORIZED REPRESENTATIVE TO PERFORM A THROUGH INSPECTION.
 - ANY SUSPECTED DAMAGE OR COMPROMISED EQUIPMENT WOULD REQUIRE CORRECTIVE ACTION THAT NEEDS TO BE TAKEN UNDER THE DIRECTION OF PRO-BEL'S PROFESSIONAL ENGINEER OF RECORD.
 - NO ALTERATION OR MODIFICATION OF ANY PRO-BEL EQUIPMENT, ITS CONNECTION OR THE SUPPORTING STRUCTURE IS PERMITTED AS THIS WILL AFFECT THE INTEGRITY / ABILITY OF THE EQUIPMENT TO WITHSTAND THE IMPROVED LOADING. ANY UNAUTHORIZED ALTERATION / MODIFICATION WILL RESULT IN MANUFACTURER'S WARRANTY BECOMING NULL AND VOID AND THE PRODUCT LIABILITY INSURANCE BEING CANCELLED.
 - ANY ALTERATION / MODIFICATION OF PRO-BEL'S EQUIPMENT, ITS CONNECTION OR SUPPORTING STRUCTURE SHOULD ONLY BE UNDERTAKEN WITH THE WRITTEN AUTHORIZATION OF PRO-BEL'S PROFESSIONAL ENGINEER OF RECORD.
- TESTING:**
- IT IS RECOMMENDED ALL INITIAL TESTING, AND SUBSEQUENT TESTING FOR RECERTIFICATION, (BASED ON FREQUENCY RECOMMENDED BY PRO-BEL) TO VERIFY THE INTEGRITY OF ALL EQUIPMENT, ITS CONNECTION AND THE SUPPORTING STRUCTURE BE PERFORMED BY PRO-BEL OR ITS AUTHORIZED REPRESENTATIVE. PRO-BEL WILL PROVIDE STAMPED DRAWINGS, TEST REPORTS AND OTHER CERTIFICATIONS BASED ON THESE TESTS AS APPLICABLE.
 - YIELDING OF EQUIPMENT AND / OR SUPPORTING STRUCTURE MAY OCCUR AS A RESULT OF TESTING, WHEN THE ACTION NEEDS TO BE TAKEN IN GOOD WORKING ORDER, AND PROPERLY ENGAGED.
 - WORKERS MUST AT ALL TIMES BE TIED OFF TO INDEPENDENT SAFETY ANCHORS WHEN USING A BOSON'S CHAIR, CAGE, OR ANY OTHER MEANS OF SUSPENSION.
 - WORKERS MUST AT ALL TIMES BE TIED OFF TO INDEPENDENT SAFETY ANCHORS WHEN USING A BOSON'S CHAIR, CAGE, OR ANY OTHER MEANS OF SUSPENSION, WHERE A POINT SUSPENSION HAS BEEN APPROVED. EACH WORKER'S LANYARD MUST BE SECURED TO THE PLATFORM AS RECOMMENDED BY PRO-BEL.

USAGE:

- EQUIPMENT SHOULD NOT BE USED WHEN WIND VELOCITY IS ABOVE 25MPH (40 KM/H) AT GROUND LEVEL.
 - EQUIPMENT SHOULD NOT BE USED DURING ADVERSE WEATHER CONDITIONS THAT WOULD EXPOSE THE OPERATOR OR THE PUBLIC TO ANY INCREASED SAFETY HAZARDS.
 - EQUIPMENT SHOULD BE AT LEAST 10 FT. AWAY FROM HIGH VOLTAGE ELECTRICAL LINES.
 - ALL USERS OF PRO-BEL EQUIPMENT MUST BE PROPERLY TRAINED IN ORDER TO USE THE EQUIPMENT SAFELY. USERS MUST COMPLY WITH ALL APPLICABLE SAFETY CODES AND REGULATIONS WHEN USING THIS SYSTEM. THIS DRAWING MUST BE READ AND USED IN CONJUNCTION WITH THE OPERATING INSTRUCTIONS DESCRIBED IN THE LOG BOOK SUPPLIED BY PRO-BEL.
 - WORKERS MUST HAVE A WORK PLAN PRIOR TO START OF WORK ON THE TOP ROOF AREA AND OTHER AREAS WHERE WINDOW WASHING EQUIPMENT IS TO BE USED AND ALSO DEMONSTRATE HOW TO RIG SAFELY AS PER THE SAFETY REGULATIONS.
 - WORKERS MUST PROTECT LINES FROM CHAFING AT ALL TIMES.
 - PRO-BEL EQUIPMENT SHALL BE RE-CERTIFIED AT PERIODS NOT TO EXCEED 10 YEARS. THE RE-CERTIFICATION RECORD SHALL BE INCLUDED IN THE BUILDING LOGBOOK, IF AN AREA OF SUSPICION IS IDENTIFIED, A TEST PROCEDURE, IF NECESSARY, SHALL BE PERFORMED UNDER THE DIRECTION OF PRO-BEL'S PROFESSIONAL ENGINEER.
- FALL PROTECTION / ARREST NOTES:**
- WORKER MUST BE TIED OFF FOR FALL ARREST PRIOR TO APPROACHING, AND REMAIN CONTINUOUSLY TIED OFF WHEN WORKING, WITHIN (6'-0") OF ROOF EDGE WHERE PARAPET HEIGHT IS LESS THAN SAFETY RAILING HEIGHT (42" TALL).
 - WORKERS SHALL ARRANGE THEIR LIFE LINES IN SUCH A WAY TO ENSURE THAT THEY CANNOT FALL MORE THAN (6'-0") VERTICAL, FREE FALL, OR STRIKE LOWER ROOF LEVELS OF BUILDING WHEN PERFORMING NON-ROUTINE ROOF MAINTENANCE WORK.

RENTAL POWERED PLATFORMS (REF. ONLY)
ELECTRICAL POWER OUTLET REQUIREMENTS
 (SUPPLIED BY OTHERS)

OUTLET TYPE	WEATHERPROOF POWER OUTLET WITH STRAIN RELIEF EYEBOLT
VOLTAGE	208V
PHASING	SINGLE PHASE
FREQUENCY	60 HZ
AMPERAGE	30A
VOLTAGE DROP	NO MORE THAN 3% DROP IN VOLTAGE AT ANY OUTLET
RECEPTACLE	SAFETY-SHOULDER, TWIST-LOCK
NEC NO.	NEMA NO.
NOTE	1. FEMALE
	HBL26205W
	L6-30R

PARAPET WALLS, RAILINGS AND ROOF EDGES:

SHALL BE DESIGNED TO PERFORM UNDER THE APPLIED MAXIMUM FALL ARREST LOAD OF 1800 LBS OCCURRING HORIZONTALLY AND 1800 LBS VERTICALLY, SUCH THAT THE STRUCTURE IS NOT DAMAGED OR ENDANGERS THE HEALTH AND SAFETY OF THE WORKER AND/OR THE PUBLIC. THIS IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD FOR THE OVERALL PROJECT.

NON-STRUCTURAL RIGGING NOTE:
 NON-STRUCTURAL PARAPET WALLS, RAILINGS AND ROOF EDGES SHALL BE RIGGED IN SUCH A MANNER TO AVOID DAMAGING THE BUILDING OR ENDANGERING THE HEALTH AND SAFETY OF THE WORKER AND/OR THE PUBLIC.

PROTECT LINES FROM CHAFING AT ALL TIMES.

IMPORTANT NOTE:
 WORKERS MUST USE A SHOCK ABSORBING LANYARD RATED FOR 900 LBS. MAXIMUM ARREST FORCE.

HAZARD AREA NOTE:

ACCESS TO ANY AREA WITHIN 6'-0" OF ROOF EDGE WHERE THE PARAPET WALL/RAILING IS LESS THAN 42" TALL IS RESTRICTED. WORKERS MUST BE TIED OFF TO AN ANCHOR OUTSIDE THESE AREAS PRIOR TO APPROACHING AND REMAIN CONTINUOUSLY TIED OFF WHEN WORKING WITHIN THESE AREAS.

ACCESS TO EQUIPMENT NOTE:

SAFE ACCESS & EGRESS, SUCH AS DOORS, WINDOWS AND ROOF HATCHES TO BE PROVIDED BY OTHERS, IN ORDER TO USE, INSPECT AND CARRY EQUIPMENT.

IMPORTANT STRUCTURAL NOTE:

ENGINEER OF RECORD FOR THE OVERALL PROJECT IS RESPONSIBLE FOR DESIGN OF THE BUILDING STRUCTURE, AND LOCAL REINFORCEMENT WHERE REQUIRED, TO WITHSTAND THE APPLIED LOADS OF THE SAFETY EQUIPMENT SUPPLIED BY PRO-BEL.

SPECIAL INSPECTION NOTE:

SPECIAL INSPECTION OF ALL CAST IN PLACE AND WELDED CONNECTION ARE RESPONSIBILITY OF OTHERS AND SHOULD BE CONSIDERED. DOCUMENTED EVIDENCE OF SUCH INSPECTION SHALL BE MADE AVAILABLE TO PRO-BEL.

LIST OF DRAWING SHEETS

SHEET NO.	DRAWING SHEET TITLE
1.01	WINDOW CLEANING SAFETY EQUIPMENT LAYOUT & GENERAL NOTES
2.01	WINDOW CLEANING SAFETY EQUIPMENT SECTIONS & DETAILS
3.01	WINDOW CLEANING SAFETY EQUIPMENT DETAILS
3.02	WINDOW CLEANING SAFETY EQUIPMENT DETAILS
3.03	WINDOW CLEANING SAFETY EQUIPMENT DETAILS

PRO-BEL - EQUIPMENT SCHEDULE AND BILL OF MATERIAL

DETAIL NO./ SHEET NO.	SYMBOL	PRODUCT DESCRIPTION	MODEL NO./PART NO.	QTY
1/2.01	[Symbol]	CAST IN RECESSED BALCONY ANCHOR	FA-PBE-BALLSPVC-09-02	26
2/2.01	[Symbol]	18" CAST IN PLACE ROOF ANCHOR	FA-PBE74-0044-1805S	13
3/3.01	[Symbol]	65" CAST IN PLACE HORIZONTAL RIGGING SLEEVE	CUSTOM-2	33
3/3.01	[Symbol]	INNER SLEEVE	CUSTOM-3	2
4/3.01	[Symbol]	53" CAST IN PLACE HORIZONTAL RIGGING SLEEVE	CUSTOM-4	13
4/3.01	[Symbol]	INNER SLEEVE	CUSTOM-5	2
5/3.02	[Symbol]	78" CAST IN PLACE HORIZONTAL RIGGING SLEEVE	CUSTOM-6	2
5/3.02	[Symbol]	INNER SLEEVE	CUSTOM-7	2
6/3.02	[Symbol]	28" CAST IN PLACE HORIZONTAL RIGGING SLEEVE	CUSTOM-8	6
6/3.02	[Symbol]	INNER SLEEVE	CUSTOM-9	2
7/3.03	[Symbol]	43" CAST IN PLACE HORIZONTAL RIGGING SLEEVE	CUSTOM-10	2
7/3.03	[Symbol]	INNER SLEEVE	CUSTOM-11	2
8/3.03	[Symbol]	28" CAST IN PLACE HORIZONTAL RIGGING SLEEVE	CUSTOM-12	2
8/3.03	[Symbol]	INNER SLEEVE	CUSTOM-13	2

CLIENT: **KAST CONSTRUCTION, LLC**

PROJECT: **BANYAN VIEW APARTMENTS 1991 PRESIDENTIAL WAY WEST PALM BEACH, FL 33401**

PROJECT SCOPE: SUPPLY ONLY w/ SITE LOAD TESTING

MM/DD/YYYY: 09/22/2022	TECH. REVIEW	SALES	PM	ENG/SUP
SCALE: AS INDICATED				
DRAWN BY: BEN	MG	CO		

TITLE: **WINDOW CLEANING SAFETY EQUIPMENT LAYOUT & GENERAL NOTES**

PRO-BEL USA INC. 785 WESTNEY ROAD SOUTH ALEX. ONTARIO, CANADA L1S 6R1 Tel: (905) 427-9816, Fax: (905) 427-2545 Tel. Free: 1 (800) 461-9275 Web: www.pro-belgroup.com E-Mail: info@pro-bel.com

NO. REVISION BY CHGD MM/DD/YYYY

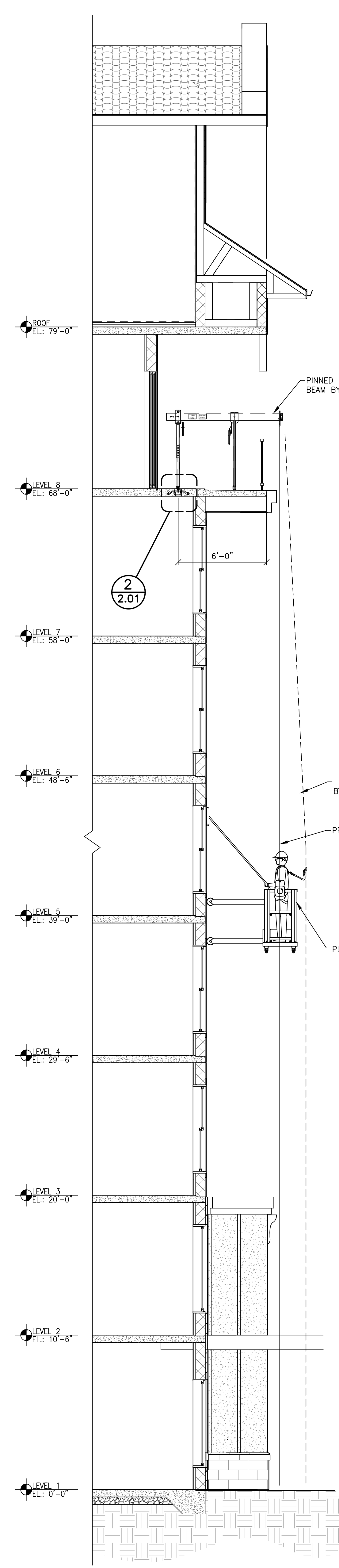
6N1-2022-39831 SHEET NO. 1.01 REV. NO. 0

PARAPET WALLS, RAILINGS AND ROOF EDGES
 SHALL BE DESIGNED TO PERFORM UNDER THE APPLIED MAXIMUM FALL ARREST LOAD OF 1800 LBS OCCURRING HORIZONTALLY AND 1800 LBS VERTICALLY, SUCH THAT THE STRUCTURE IS NOT DAMAGED OR ENDANGERS THE HEALTH AND SAFETY OF THE WORKER AND/OR THE PUBLIC. THIS IS THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD FOR THE OVERALL PROJECT.

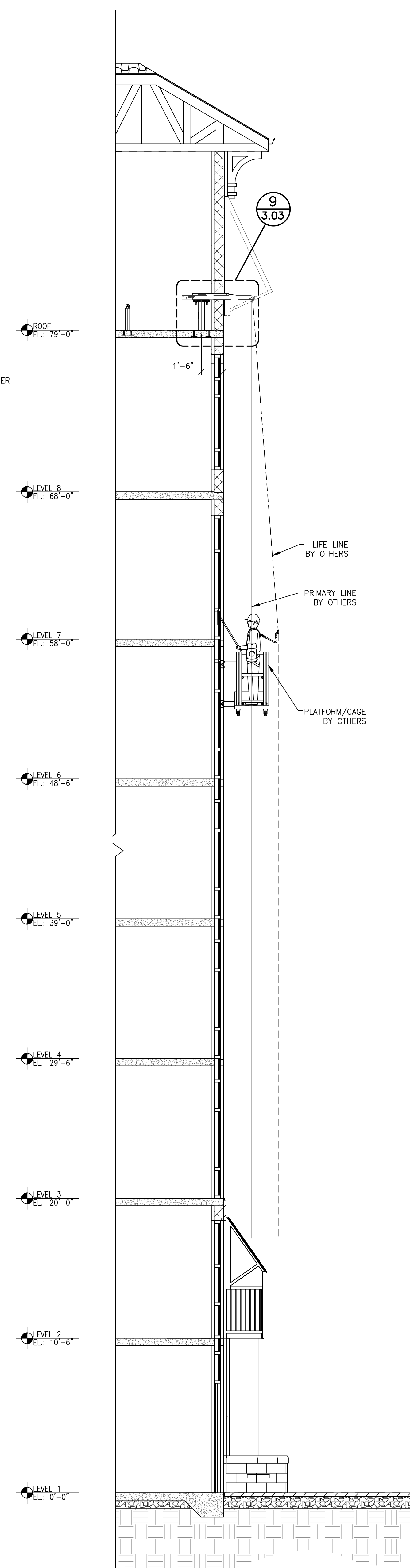
NON-STRUCTURAL BIGGING NOTE:
 NON-STRUCTURAL PARAPET WALLS, RAILINGS AND ROOF EDGES SHALL BE BIGGED IN SUCH A MANNER TO AVOID DAMAGING THE BUILDING OR ENDANGERING THE HEALTH AND SAFETY OF THE WORKER AND/OR THE PUBLIC.

PROTECT LINES FROM CHIPPING AT ALL TIMES.

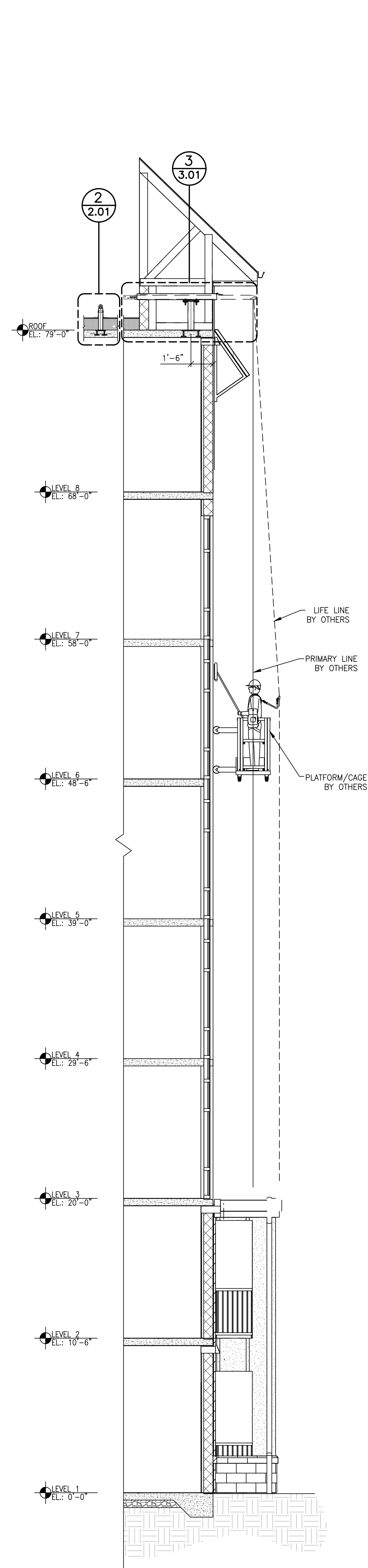
IMPORTANT NOTE:
 WORKERS MUST USE A SHOCK ABSORBING LANYARD RATED FOR 900 lbs. MAXIMUM ARREST FORCE.



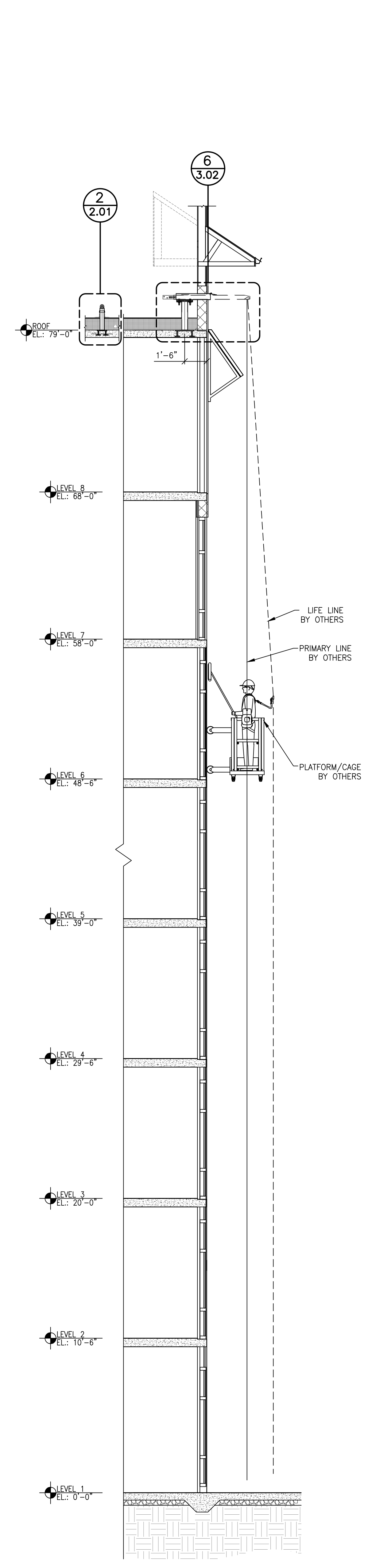
A
2.01 TYPICAL WALL SECTION
 (REF: 5/A6-11) SCALE: 1/4"=1'



B
2.01 TYPICAL WALL SECTION
 (REF: 3/A6-11) SCALE: 1/4"=1'



C
2.01 TYPICAL WALL SECTION
 (REF: 1/A6-11) SCALE: 1/4"=1'



D
2.01 TYPICAL WALL SECTION
 (REF: 3/A6-16) SCALE: 1/4"=1'

PROCEDURE FOR CASTING (BY OTHERS)
BALCONY ANCHOR

PRIOR TO CONCRETE POUR

1. ENSURE STYROFOAM TEMPORARY CAP (ITEM #4) IS IN PLACE PRIOR TO CONCRETE POUR.
2. ADJUST LEVELING RODS (ITEM #3) SUCH THAT THE EMBEDMENT DEPTH OF THE PVC HOUSING (ITEM #1) IS 127mm (5") BELOW THE TOP SURFACE OF FINISHED CONCRETE. NOTE: 100mm (4") OF THE PVC HOUSING (ITEM #1) IS TO REMAIN EXPOSED ABOVE THE FINISHED CONCRETE POUR LEVEL.
3. BIND THE ANCHOR BAR (ITEM #2) TO REINFORCING REBAR (BY OTHERS) TO ENSURE THERE IS NO MOVEMENT OF BALCONY ANCHOR WHILE POURING CONCRETE AND THAT THE TOP OF THE ANCHOR HOUSING IS 100mm (4") ABOVE FINISHED CONCRETE.

POST CONCRETE POUR

1. REMOVE STYROFOAM TEMPORARY CAP (ITEM #4) ON BALCONY ANCHOR AFTER CONCRETE IS FURRED.
2. CUT THE PVC HOUSING (ITEM #1) SUCH THAT THE TOP SIDE OF THE HOUSING IS LEVEL WITH THE TOP OF FINISHED CONCRETE.
3. GRIND OFF SHARP EDGES ON PVC HOUSING.
4. CONNECT TETHER ON THE ALUMINUM CAP (ITEM #5) TO THE TETHER CLIP (ITEM #6) ON ANCHOR BAR (ITEM #2) AND PLACE ALUMINUM CAP (ITEM #5) ONTO ANCHOR HOUSING (ITEM #1).
5. USE ALLEN KEY (3/8") TO TIGHTEN ALLEN BOLT IN ORDER TO ENSURE ALUMINUM CAP (ITEM #5) IS TIGHT.

PRO-BEL FULL ASSEMBLY MODEL #FA-PBE-BALSSPVC-09-02

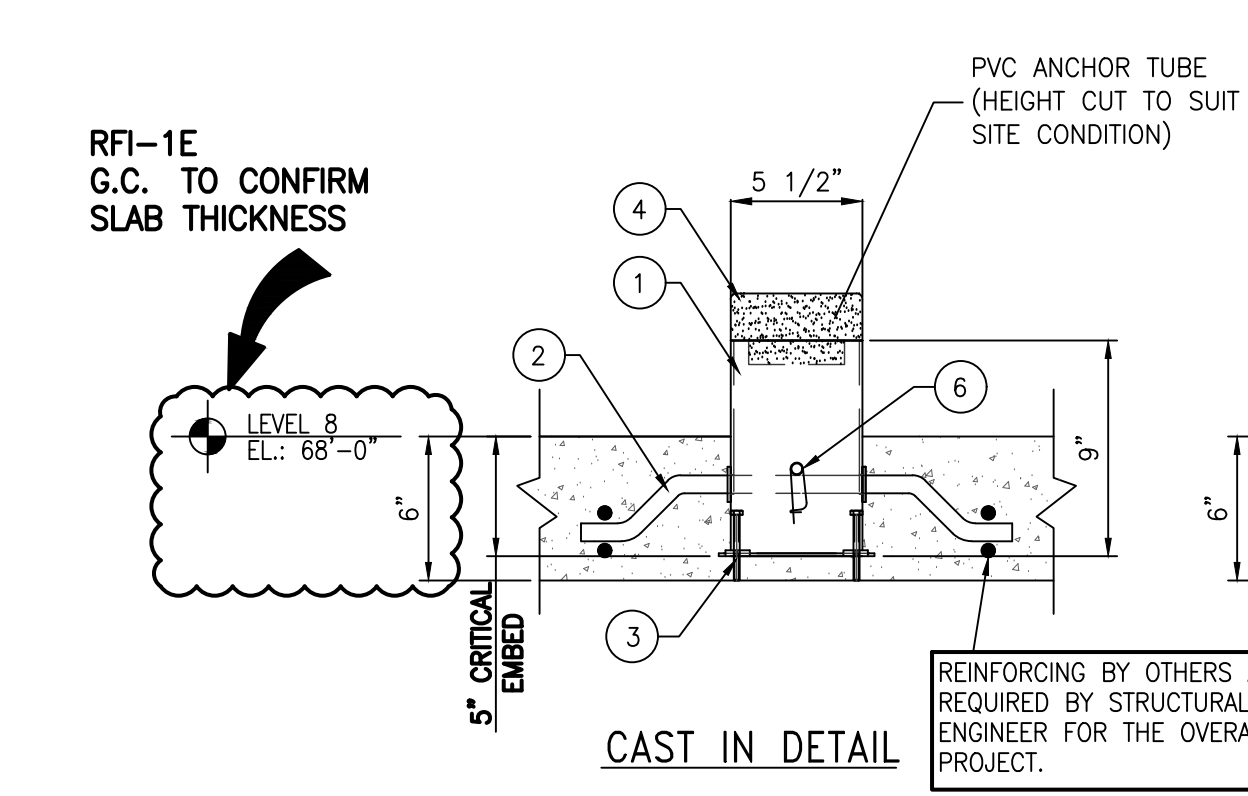
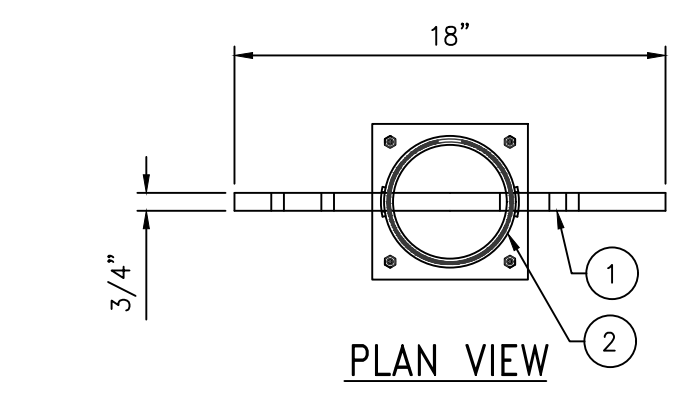
1. 5/16" PVC HOUSING.
2. 3/4" STAINLESS STEEL ANCHOR BAR.
3. STAINLESS STEEL LEVELING RODS - 6" LG. (4x).
4. STYROFOAM TEMPORARY CAP (REMOVE AFTER INSTALL).

PART MODEL #P-KV6-BALSSPVC01

5. ALUMINUM CAP w/ RUBBER EXPANSION GASKET AND TETHER.

ADDITIONAL COMPONENT

6. TETHER CLIP.

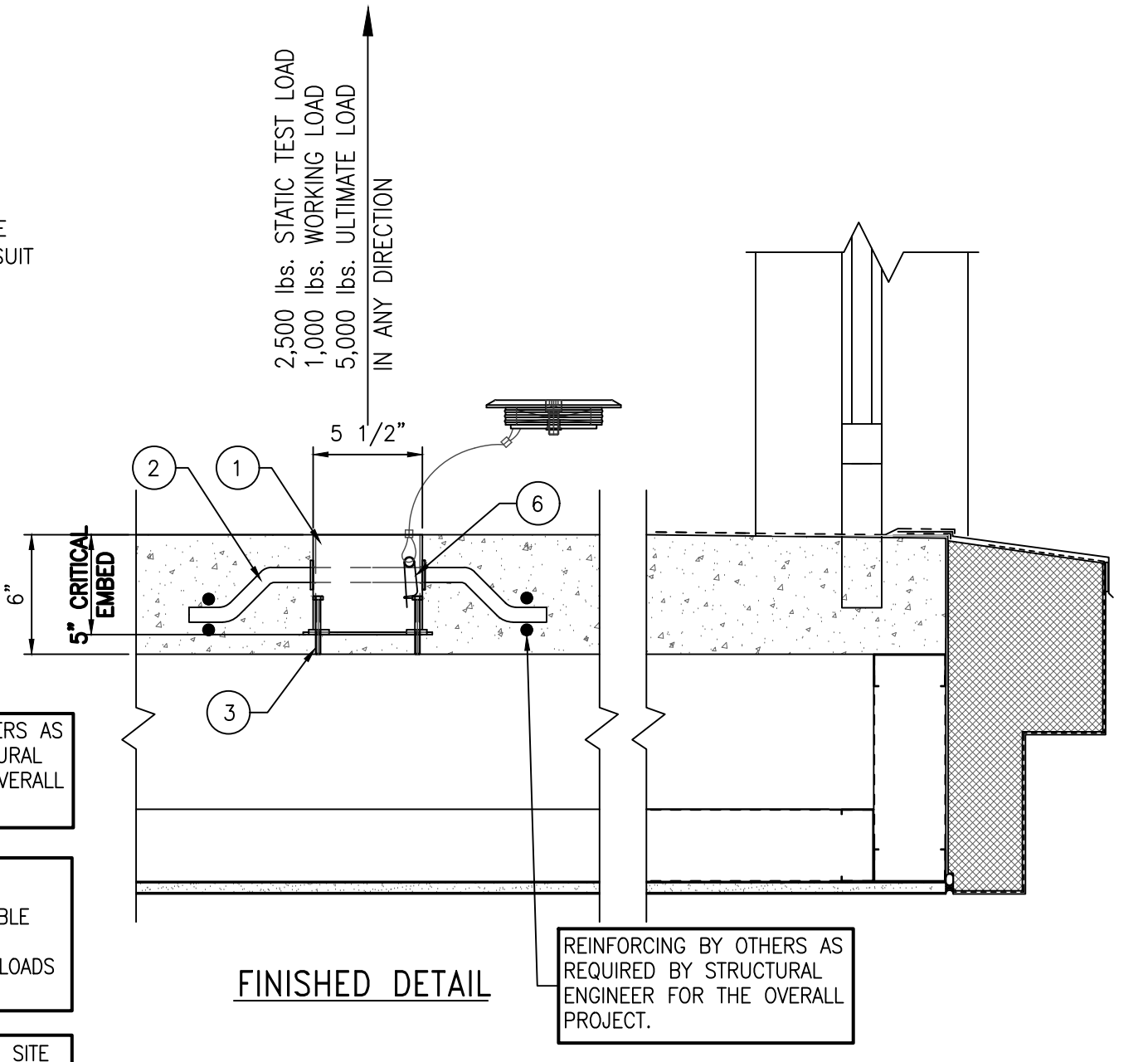


CAST IN DETAIL

REINFORCING BY OTHERS AS REQUIRED BY STRUCTURAL ENGINEER FOR THE OVERALL PROJECT.

IMPORTANT STRUCTURAL NOTE:
 ENGINEER OF RECORD FOR THE OVERALL PROJECT IS RESPONSIBLE FOR DESIGN OF THE BUILDING STRUCTURE, AND LOCAL REINFORCEMENT WHERE REQUIRED, TO WITHSTAND THE APPLIED LOADS OF THE SAFETY EQUIPMENT SUPPLIED BY PRO-BEL.

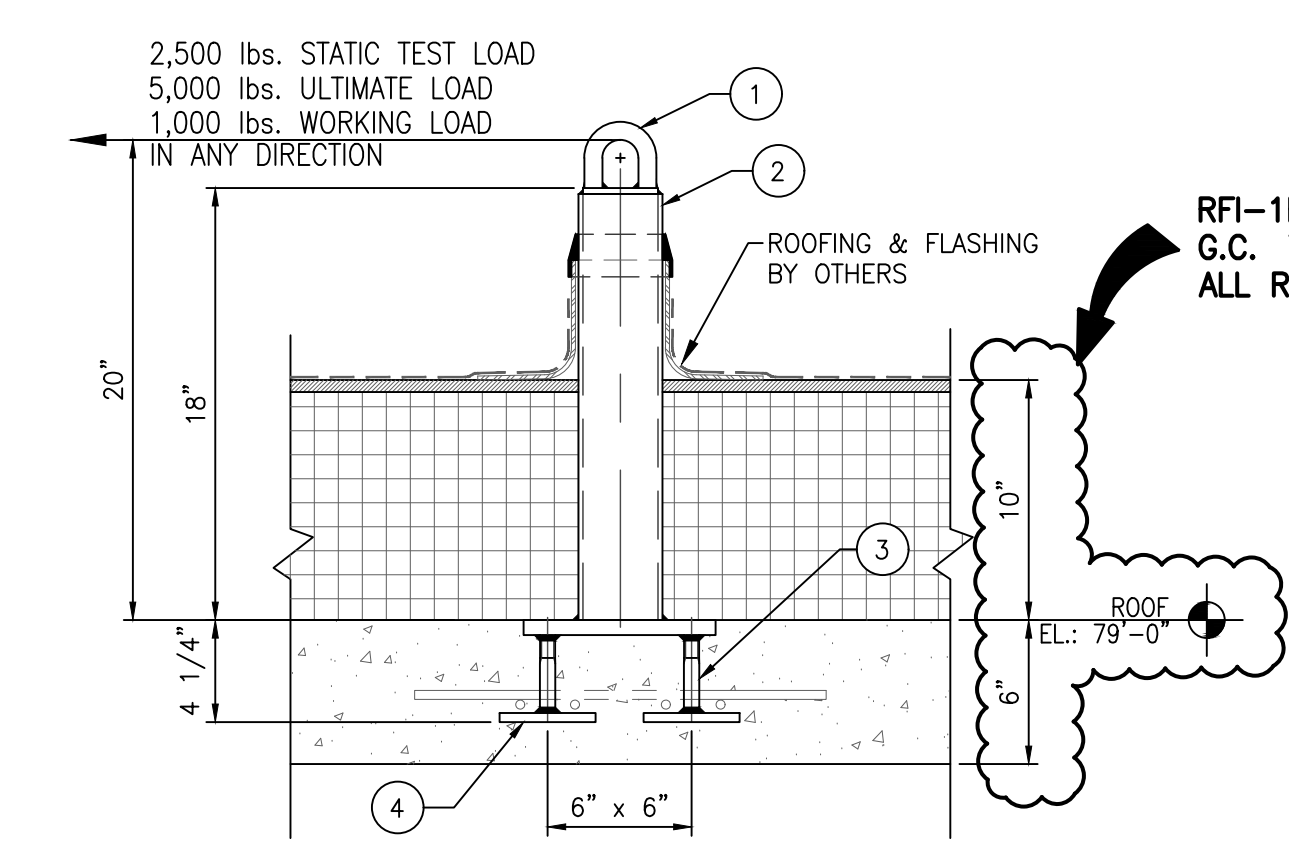
ALL ANCHORS MAY BE SUBJECTED TO STATIC LOAD TEST BASED ON SITE CONDITIONS. APPROPRIATE TESTING METHODS AND TEST LOADS WILL BE USED TO IMPOSE EQUIVALENT LOADS AND MOMENTS ON THE STRUCTURE AND ITS CONNECTION AS GENERATED BY A 2000lb. STATIC LOAD AT MAXIMUM HEIGHT. ENSURE THE STRUCTURE IS DESIGNED TO RESIST THE ULTIMATE LOAD AND DOES NOT SHOW DISTRESS AND PERMANENT DEFORMATION AT TEST LOADS.



1
2.01 CAST IN RECESSED BALCONY ANCHOR DETAIL @ LEVEL 8
 (REF: 4/A7-53) SCALE: 1 1/2"=1'-0"

PRO-BEL FULL ASSEMBLY MODEL #FA-PBE74-004-180SS

1. 3/4" STAINLESS STEEL U-BAR.
2. 3/16" O.D. GALVANIZED STEEL PIER WITH 8"x8" BASE PLATE.
3. 5/8" STAINLESS STEEL RODS (4x).
4. 4"x4" GALVANIZED STEEL PLATES (4x).



NOTE:
 TOP OF ANCHOR BASE PLATE TO BE CAST FLUSH WITH OR SLIGHTLY BELOW TOP OF SLAB.

ALL ANCHORS MAY BE SUBJECTED TO STATIC LOAD TEST BASED ON SITE CONDITIONS. APPROPRIATE TESTING METHODS AND TEST LOADS WILL BE USED TO IMPOSE EQUIVALENT LOADS AND MOMENTS ON THE STRUCTURE AND ITS CONNECTION AS GENERATED BY A 2000lb. STATIC LOAD AT MAXIMUM HEIGHT. ENSURE THE STRUCTURE IS DESIGNED TO RESIST THE ULTIMATE LOAD AND DOES NOT SHOW DISTRESS AND PERMANENT DEFORMATION AT TEST LOADS.

2
2.01 18" CAST IN PLACE ROOF ANCHOR DETAIL
 (REF: 1/A7-52) SCALE: 1 1/2"=1'-0"

GENERAL NOTES - SEE SHEET 1.01

THE ENGINEER'S SEAL INDICATES ONLY THAT THE STRUCTURE COMPONENTS SUPPLIED BY PRO-BEL:

- 1) WILL RESIST THE LOADS INDICATED ON THIS DRAWING WHEN ANALYZED BY CONVENTIONAL STRUCTURAL TECHNIQUES, OR
- 2) HAVE BEEN LAB TESTED FOR THE LOADS INDICATED.

THIS DRAWING IS ON LOAN ONLY AND THE EQUIPMENT IS CONSIDERED CERTIFIED. PROMISING ANNUAL INSPECTIONS ARE PERFORMED IN ACCORDANCE WITH PRO-BEL LOG BOOK REQUIREMENTS.

THE CONTRACTOR MUST VERIFY ALL DIMENSIONS.

ANY DEVIATION FROM THIS DRAWING MUST BE REPORTED TO PRO-BEL ENTERPRISES LIMITED.

THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS IT IS APPROVED.

PRO-BEL USA INC.
 765 WESNEY ROAD SOUTH
 AURORA, ONTARIO, CANADA L1S 6R1
 Tel: (905) 427-9816, Fax: (905) 427-2545
 Toll Free: 1 (800) 461-6575
 Web: www.pro-belgroup.com
 E-Mail: info@pro-bel.ca

CLIENT:
 KAST CONSTRUCTION, LLC

PROJECT:
 BANYAN VIEW APARTMENTS
 1991 PRESIDENTIAL WAY
 WEST PALM BEACH, FL 33401

MM/DD/YYYY: 09/22/2022	TECH. REVIEW	
SCALE: AS INDICATED	SALES	PM
DRAWN BY: IEN	MG	CD

TITLE:
 WINDOW CLEANING SAFETY EQUIPMENT SECTIONS & DETAILS

JOB NO. 6N1-2022-39831

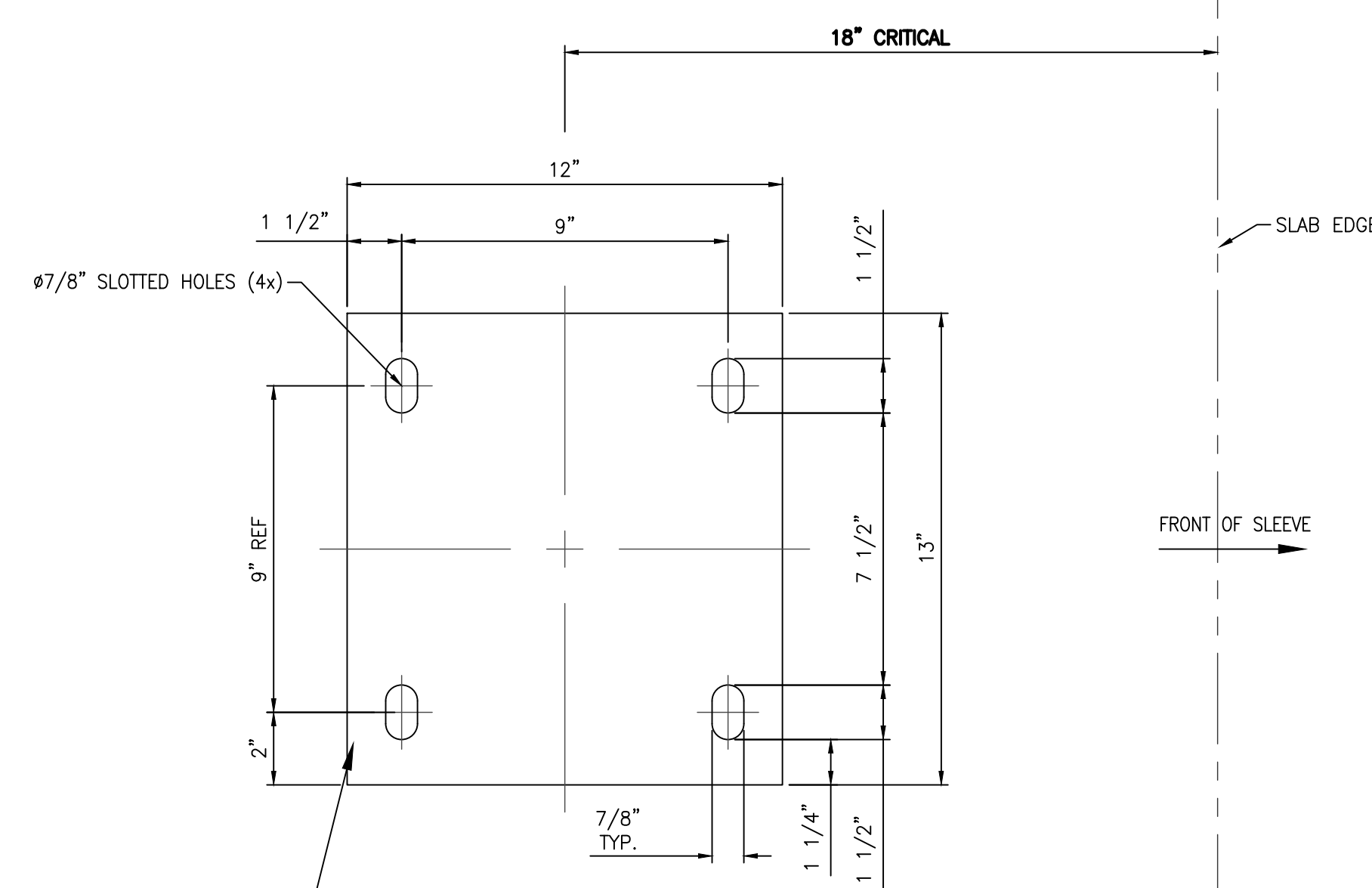
SHEET NO. 2.01

REV. NO. 0

IMPORTANT STRUCTURAL NOTE:
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SPECIAL INSPECTION NOTE:
 SPECIAL INSPECTION OF ALL CAST IN PLACE AND WELDED CONNECTION ARE RESPONSIBILITY OF OTHERS AND SHOULD BE CONSIDERED. DOCUMENTED EVIDENCE OF SUCH INSPECTION SHALL BE MADE AVAILABLE TO PRO-BEL.

NO.	REVISION	BY	CHKD	MM/DD/YYYY



IMPORTANT NOTE:
ENSURE THE RIGGING SLEEVE EMBED TO BE CASTED IN AS SHOWN - SLOTS HOLES TO BE PARALLEL WITH THE SLAB EDGE

TYPICAL TOP VIEW EMBED POST

PRO-BEL FULL ASSEMBLY MODEL #CUSTOM-2

1. 5" x 5" HSS FIXED SLEEVE w/ SUPPORT WELDED TO 12" x 13" PLATE.
2. 7/8" GALVANIZED STEEL RODS (4x).
3. 4" x 4" GALVANIZED STEEL BACK PLATES (4x).
4. HINGED CAP.

INNER SLEEVE FULL ASSEMBLY MODEL #CUSTOM-3

5. RIGGING SLEEVE HEAD w/ 2- 3/4" STAINLESS STEEL ROUND BARS.
6. 3 1/2" x 3 1/2" HSS RIGGING SLEEVE INSERT

PRO-BEL FULL ASSEMBLY MODEL #CUSTOM-4

1. 5" x 5" HSS FIXED SLEEVE w/ SUPPORT WELDED TO 12" x 13" PLATE.
2. 7/8" GALVANIZED STEEL RODS (4x).
3. 4" x 4" GALVANIZED STEEL BACK PLATES (4x).
4. HINGED CAP.

INNER SLEEVE FULL ASSEMBLY MODEL #CUSTOM-5

5. RIGGING SLEEVE HEAD w/ 2- 3/4" STAINLESS STEEL ROUND BARS.
6. 3 1/2" x 3 1/2" HSS RIGGING SLEEVE INSERT

RFI-1H
G.C. TO PROVIDE SUB CONTRACTOR OF THE MANSARD ROOF TRUSS SHOP DWGS. TO ENSURE CURRENT RIGGING SLEEVE LOCATIONS NOT CONFLICT THE TRUSS

RFI-1J
8'-0" MIN. CLEARANCE IS REQUIRED BEHIND THE FIXED SLEEVE FOR PROPER OPERATION OF INNER SLEEVE. G.C. TO CONFIRM.

9'-0" CLEARANCE

RFI-F
G.C. TO CONFIRM THICKNESS OF WALL

RFI-1H
G.C. TO PROVIDE SUB CONTRACTOR OF THE MANSARD ROOF TRUSS SHOP DWGS. TO ENSURE CURRENT RIGGING SLEEVE LOCATIONS NOT CONFLICT THE TRUSS

RFI-1J
8'-0" MIN. CLEARANCE IS REQUIRED BEHIND THE FIXED SLEEVE FOR PROPER OPERATION OF INNER SLEEVE. G.C. TO CONFIRM.

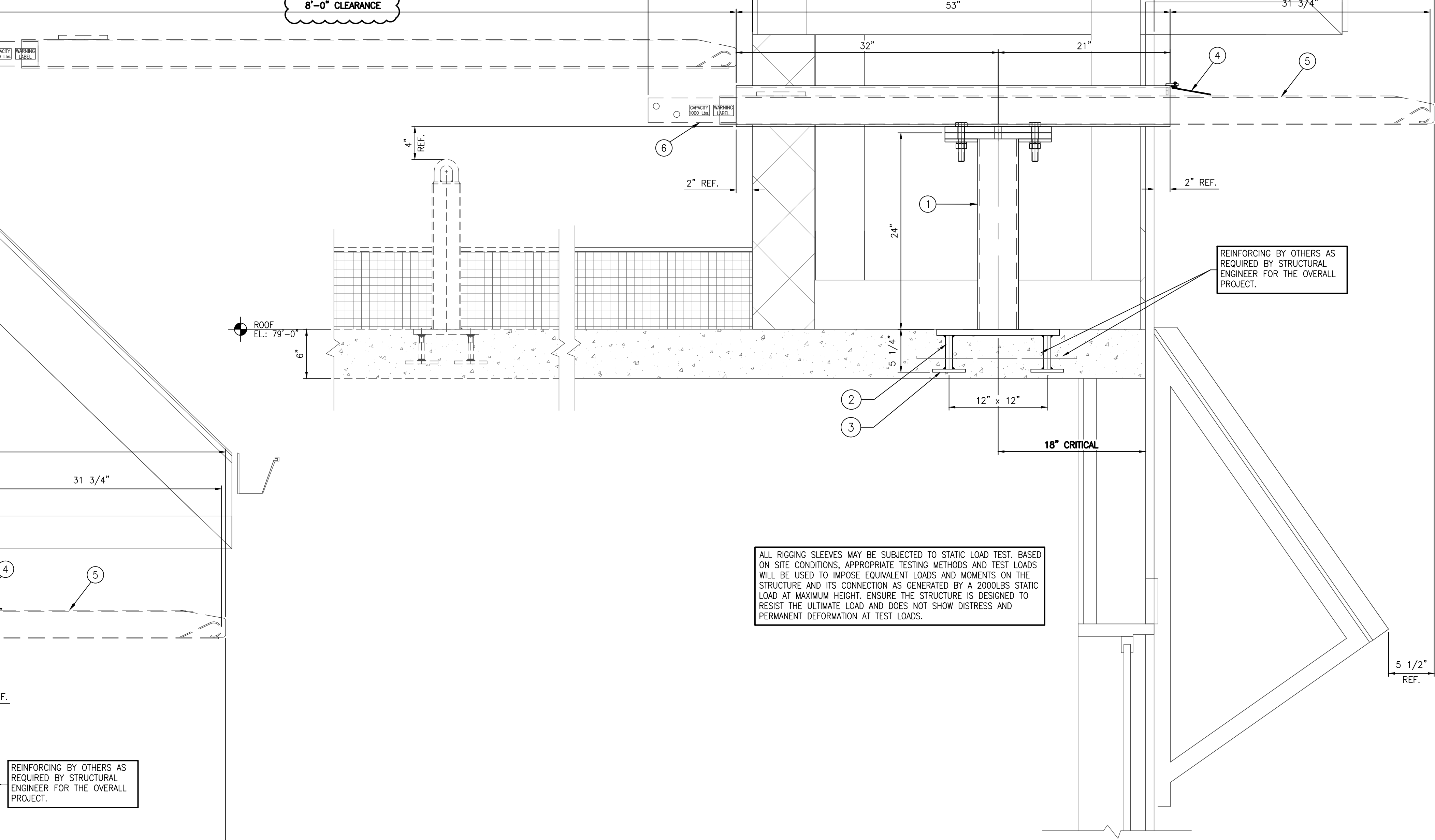
8'-0" CLEARANCE

RFI-1K
G.C. TO CONFIRM THICKNESS OF WALL

49"

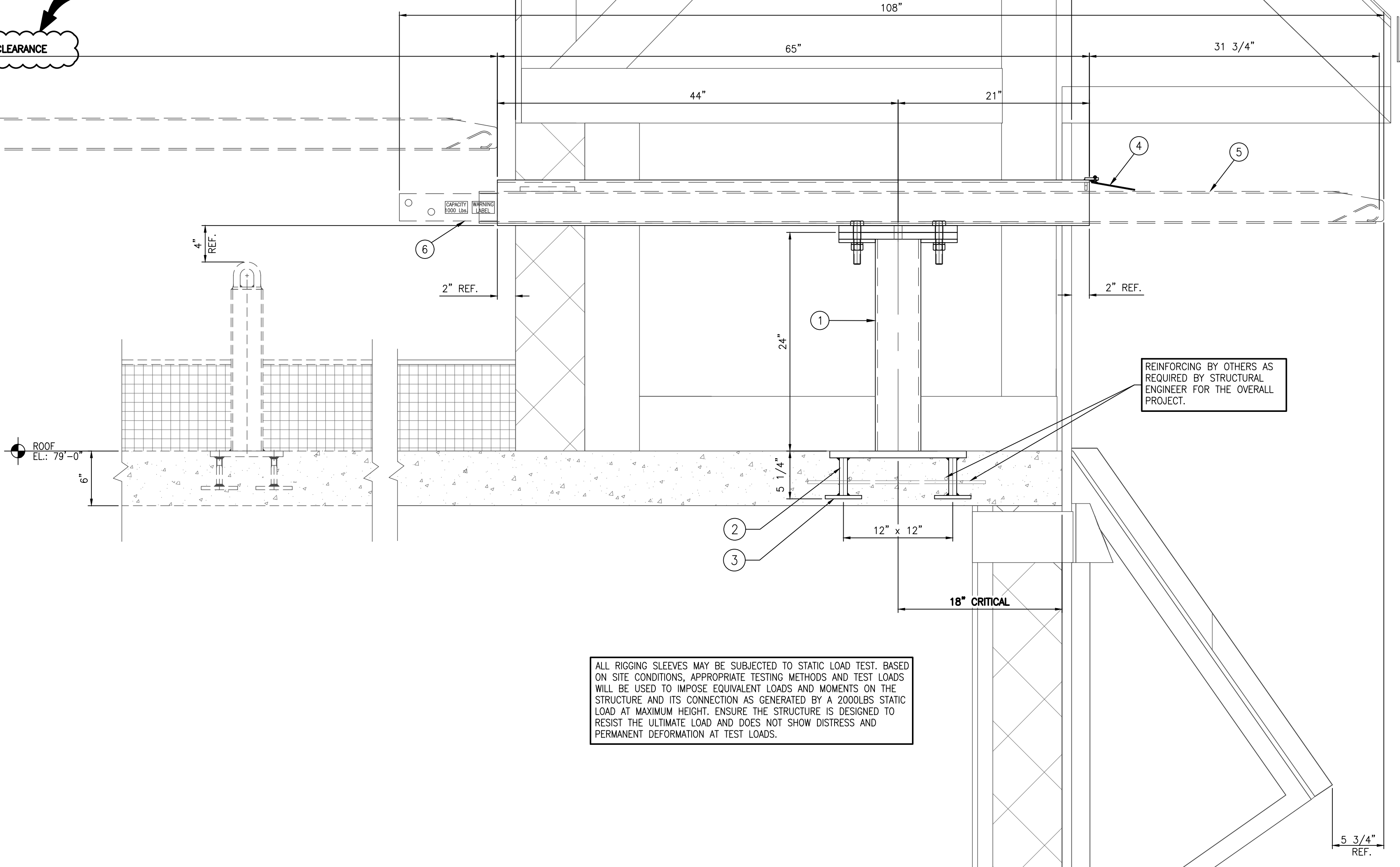
REINFORCING BY OTHERS AS REQUIRED BY STRUCTURAL ENGINEER FOR THE OVERALL PROJECT.

ALL RIGGING SLEEVES MAY BE SUBJECTED TO STATIC LOAD TEST, BASED ON SITE CONDITIONS, APPROPRIATE TESTING METHODS AND TEST LOADS WILL BE USED TO IMPOSE EQUIVALENT LOADS AND MOMENTS ON THE STRUCTURE AND ITS CONNECTION AS GENERATED BY A 2008LBS STATIC LOAD AT MAXIMUM HEIGHT. ENSURE THE STRUCTURE IS DESIGNED TO RESIST THE ULTIMATE LOAD AND DOES NOT SHOW DISTRESS AND PERMANENT DEFORMATION AT TEST LOADS.



4/301 53" CAST IN PLACE HORIZONTAL RIGGING SLEEVE DETAIL (REF: 3/A6.13) SCALE: 1 1/2"=1'-0"

DETAIL FOR RIGGING SLEEVE #RS5~#RS11, #RS21, #RS22, #RS32, #RS34, #RS37, #RS38 ONLY



3/301 65" CAST IN PLACE HORIZONTAL RIGGING SLEEVE DETAIL (REF: 1/A6.11) SCALE: 1 1/2"=1'-0"

DETAIL FOR RIGGING SLEEVE #RS1, #RS14, #RS17~#RS20, #RS23, #RS24, #RS26~#RS28, #RS30, #RS31 ONLY

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IMPORTANT STRUCTURAL NOTE:
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SPECIAL INSPECTION NOTE:
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GENERAL NOTES - SEE SHEET 1.01

THE ENGINEER'S SEAL INDICATES ONLY THAT THE STRUCTURAL COMPONENTS SUPPLIED BY PRO-BEL:

- 1) WILL RESIST THE LOADS INDICATED ON THIS DRAWING WHEN ANALYZED BY CONVENTIONAL STRUCTURAL TECHNIQUES, OR
- 2) HAVE BEEN LAB TESTED FOR THE LOADS INDICATED.

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THE CONTRACTOR MUST VERIFY ALL DIMENSIONS.

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CLIENT:
KAST CONSTRUCTION, LLC

PROJECT:
BANYAN VIEW APARTMENTS
1991 PRESIDENTIAL WAY
WEST PALM BEACH, FL 33401

PROJECT SCOPE: SUPPLY ONLY w/ SITE LOAD TESTING

MM/DD/YYYY: 09/22/2022

SCALE: AS INDICATED

DRAWN BY: BEN

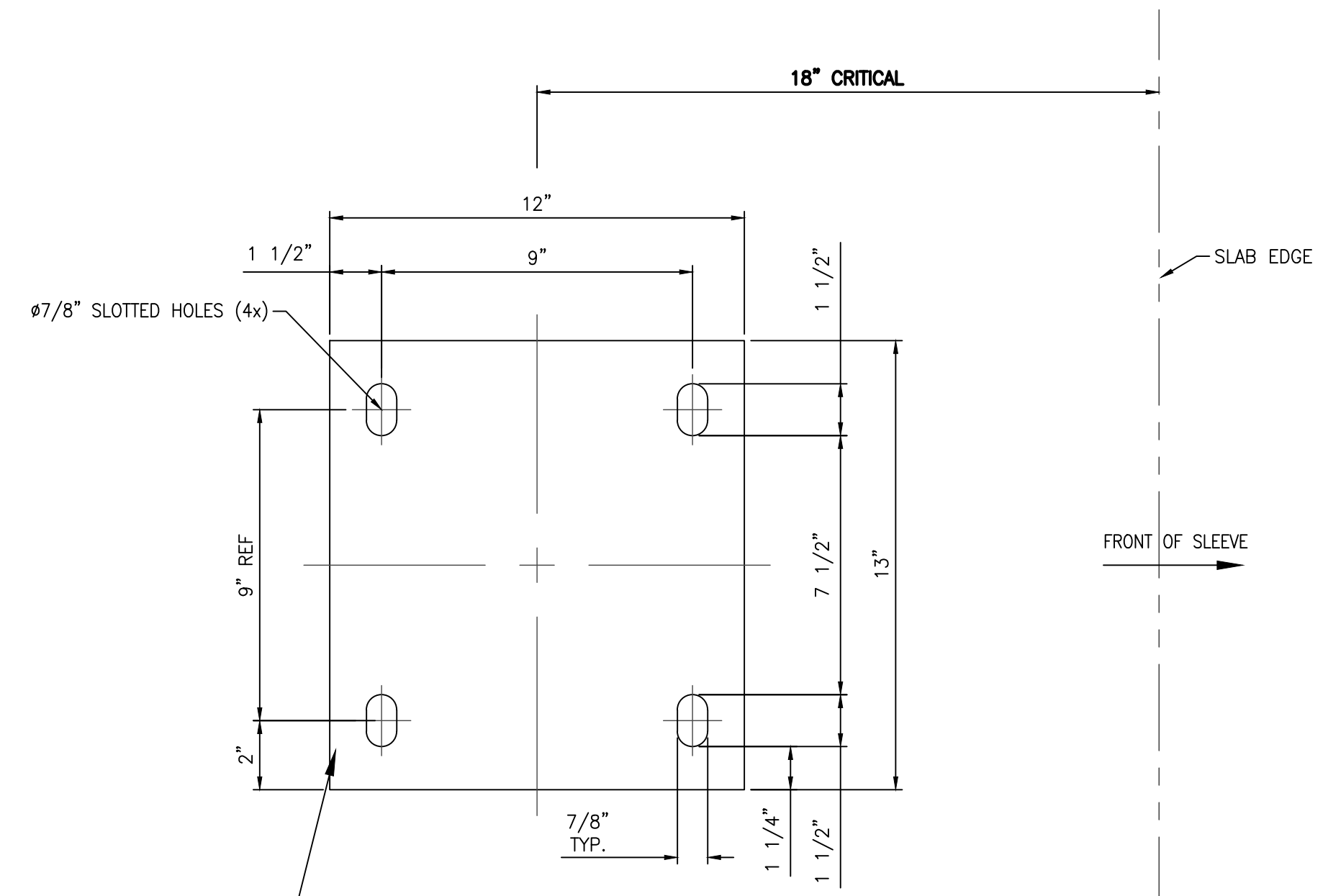
TITLE:
WINDOW CLEANING SAFETY EQUIPMENT DETAILS

PROJ. NO. 6N1-2022-39831

SHEET NO. 3.01

REV. NO. 0

NO.	REVISION	BY	CHKD	MM/DD/YYYY



IMPORTANT NOTE:
ENSURE THE RIGGING SLEEVE EMBED TO BE CASTED IN AS SHOWN - SLOTS HOLES TO BE PARALLEL WITH THE SLAB EDGE

TYPICAL TOP VIEW EMBED POST

- PRO-BEL FULL ASSEMBLY MODEL #CUSTOM-6**
1. 5" x 5" HSS FIXED SLEEVE w/ SUPPORT WELDED TO 12" x 13" PLATE.
 2. 7/8" GALVANIZED STEEL RODS (4x).
 3. 4" x 4" GALVANIZED STEEL BACK PLATES (4x).
 4. HINGED CAP.
- INNER SLEEVE FULL ASSEMBLY MODEL #CUSTOM-7**
5. RIGGING SLEEVE HEAD w/ 2- 3/4" STAINLESS STEEL ROUND BARS.
 6. 3 1/2" x 3 1/2" HSS RIGGING SLEEVE INSERT

- PRO-BEL FULL ASSEMBLY MODEL #CUSTOM-8**
1. 5" x 5" HSS FIXED SLEEVE w/ SUPPORT WELDED TO 12" x 13" PLATE.
 2. 7/8" GALVANIZED STEEL RODS (4x).
 3. 4" x 4" GALVANIZED STEEL BACK PLATES (4x).
 4. HINGED CAP.
- INNER SLEEVE FULL ASSEMBLY MODEL #CUSTOM-9**
5. RIGGING SLEEVE HEAD w/ 2- 3/4" STAINLESS STEEL ROUND BARS.
 6. 3 1/2" x 3 1/2" HSS RIGGING SLEEVE INSERT

RFI-1H
G.C. TO PROVIDE SUB CONTRACTOR OF THE MANSARD ROOF TRUSS SHOP DWGS. TO ENSURE CURRENT RIGGING SLEEVE LOCATIONS NOT CONFLICT THE TRUSS

RFI-1L
10'-1" MIN. CLEARANCE IS REQUIRED BEHIND THE FIXED SLEEVE FOR PROPER OPERATION OF INNER SLEEVE. G.C. TO CONFIRM.

RFI-1M
G.C. TO CONFIRM THICKNESS OF WALL

RFI-1N
5'-11" MIN. CLEARANCE IS REQUIRED BEHIND THE FIXED SLEEVE FOR PROPER OPERATION OF INNER SLEEVE. G.C. TO CONFIRM.

RFI-1O
G.C. TO CONFIRM THICKNESS OF WALL

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REINFORCING BY OTHERS AS REQUIRED BY STRUCTURAL ENGINEER FOR THE OVERALL PROJECT.

REINFORCING BY OTHERS AS REQUIRED BY STRUCTURAL ENGINEER FOR THE OVERALL PROJECT.

6 28" CAST IN PLACE HORIZONTAL RIGGING SLEEVE DETAIL
SCALE: 1 1/2"=1'-0"
DETAIL FOR RIGGING SLEEVE #RS2~#RS4, #RS29, #RS35, #RS36 ONLY

5 78" CAST IN PLACE HORIZONTAL RIGGING SLEEVE DETAIL
SCALE: 1 1/2"=1'-0"
DETAIL FOR RIGGING SLEEVE #RS25, #RS33 ONLY

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GENERAL NOTES - SEE SHEET 1.01

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PROJECT SCOPE: SUPPLY ONLY w/ SITE LOAD TESTING

MM/DD/YYYY: 09/22/2022	TECH. REVIEW	
SCALE: AS INDICATED	SALES	PM
DRAWN BY: IEN	MG	CD

TITLE:
WINDOW CLEANING SAFETY EQUIPMENT DETAILS

PROJ. NO. 6N1-2022-39831 SHEET NO. 3.02 REV. NO. 0

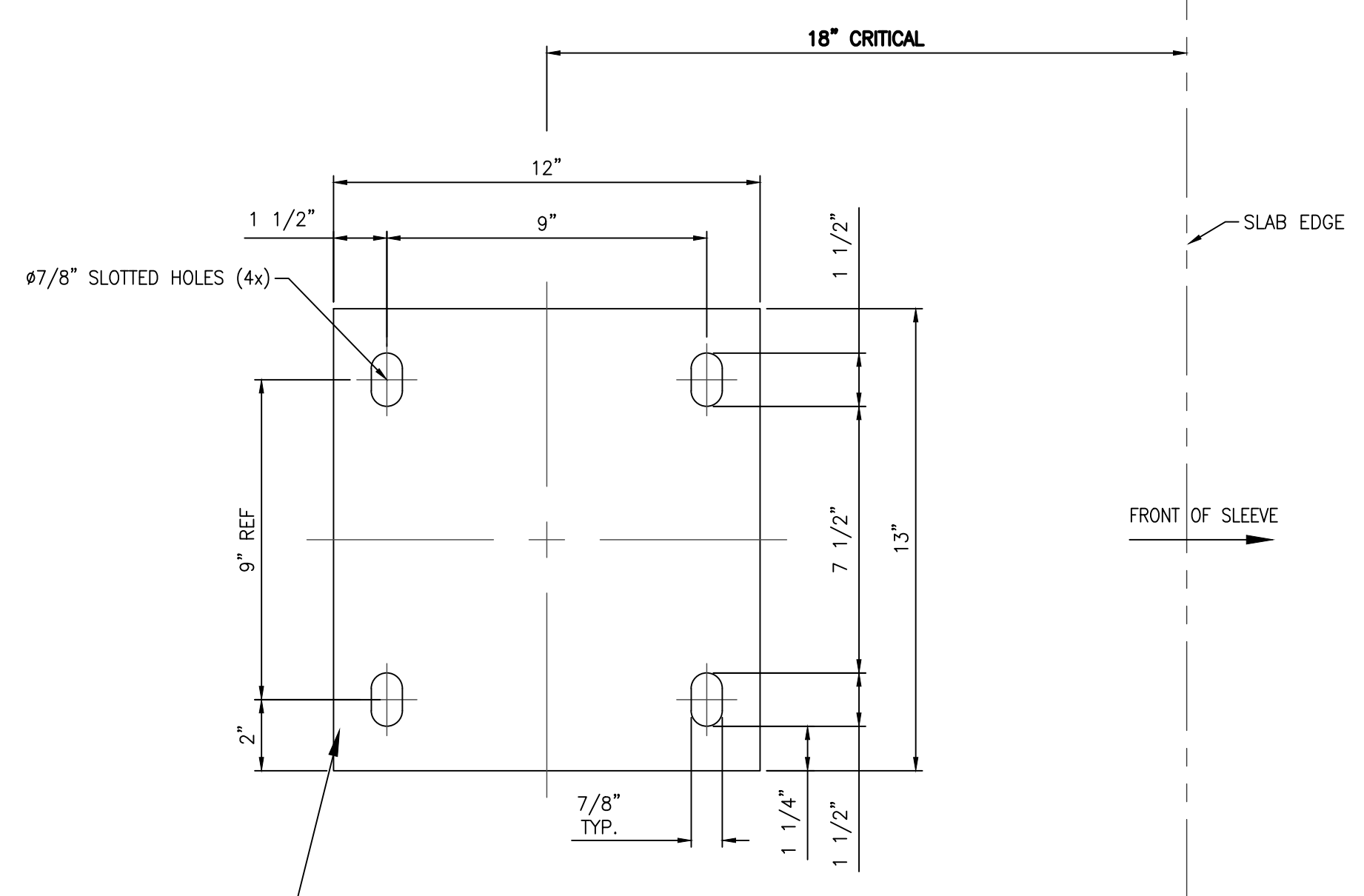
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PRO-BEL FULL ASSEMBLY MODEL #CUSTOM-10

- 5" x 5" HSS FIXED SLEEVE w/ SUPPORT WELDED TO 12" x 13" PLATE.
- 7/8" GALVANIZED STEEL RODS (4x).
- 4" x 4" GALVANIZED STEEL BACK PLATES (4x).
- HINGED CAP.

INNER SLEEVE FULL ASSEMBLY MODEL #CUSTOM-11

- RIGGING SLEEVE HEAD w/ 2- 3/4" STAINLESS STEEL ROUND BARS.
- 3 1/2" x 3 1/2" HSS RIGGING SLEEVE INSERT



IMPORTANT NOTE:
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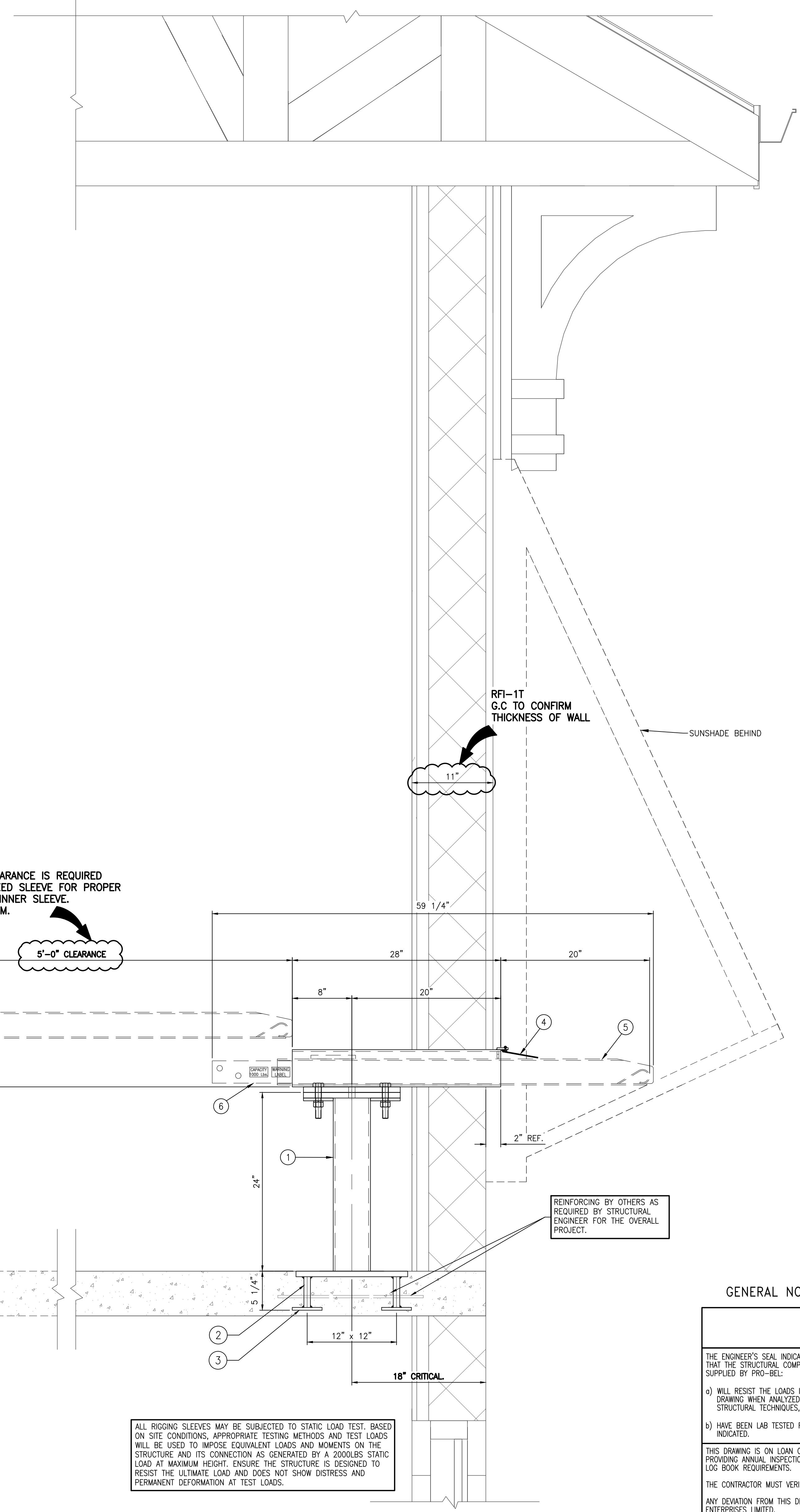
TYPICAL TOP VIEW EMBED POST

PRO-BEL FULL ASSEMBLY MODEL #CUSTOM-12

- 5" x 5" HSS FIXED SLEEVE w/ SUPPORT WELDED TO 12" x 13" PLATE.
- 7/8" GALVANIZED STEEL RODS (4x).
- 4" x 4" GALVANIZED STEEL BACK PLATES (4x).
- HINGED CAP.

INNER SLEEVE FULL ASSEMBLY MODEL #CUSTOM-13

- RIGGING SLEEVE HEAD w/ 2- 3/4" STAINLESS STEEL ROUND BARS.
- 3 1/2" x 3 1/2" HSS RIGGING SLEEVE INSERT



28" CAST IN PLACE HORIZONTAL RIGGING SLEEVE DETAIL (REF: 3/A611) SCALE: 1 1/2"=1'-0"

DETAIL FOR RIGGING SLEEVE #RS15, #RS16 ONLY

43" CAST IN PLACE HORIZONTAL RIGGING SLEEVE DETAIL (REF: 2/A620) SCALE: 1 1/2"=1'-0"

DETAIL FOR RIGGING SLEEVE #RS12, #RS13 ONLY

RFI-1H G.C. TO PROVIDE SUB CONTRACTOR OF THE MANSARD ROOF TRUSS SHOP DWGS. TO ENSURE CURRENT RIGGING SLEEVE LOCATIONS NOT CONFLICT THE TRUSS

RFI-1Q G.C. TO CONFIRM THICKNESS OF WALL

RFI-1P 7'-2" MIN. CLEARANCE IS REQUIRED BEHIND THE FIXED SLEEVE FOR PROPER OPERATION OF INNER SLEEVE. G.C. TO CONFIRM.

RFI-1S 5'-0" MIN. CLEARANCE IS REQUIRED BEHIND THE FIXED SLEEVE FOR PROPER OPERATION OF INNER SLEEVE. G.C. TO CONFIRM.

RFI-1T G.C. TO CONFIRM THICKNESS OF WALL

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WINDOW CLEANING SAFETY EQUIPMENT DETAILS
JOB NO. 6N1-2022-39831 SHEET NO. 3.03 REV. NO. 0

NO.	REVISION	BY	CHKD	MM/DD/YYYY