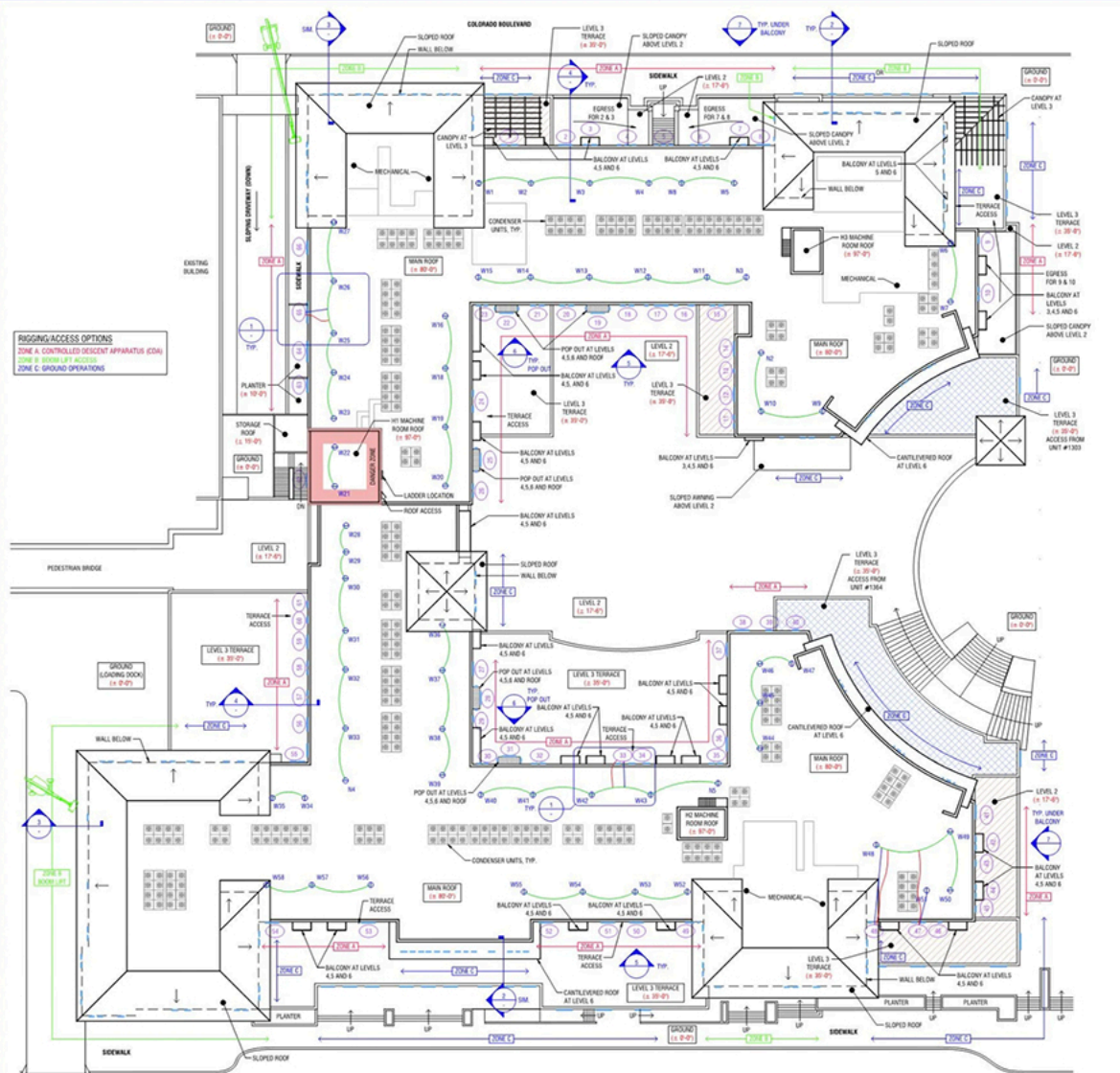
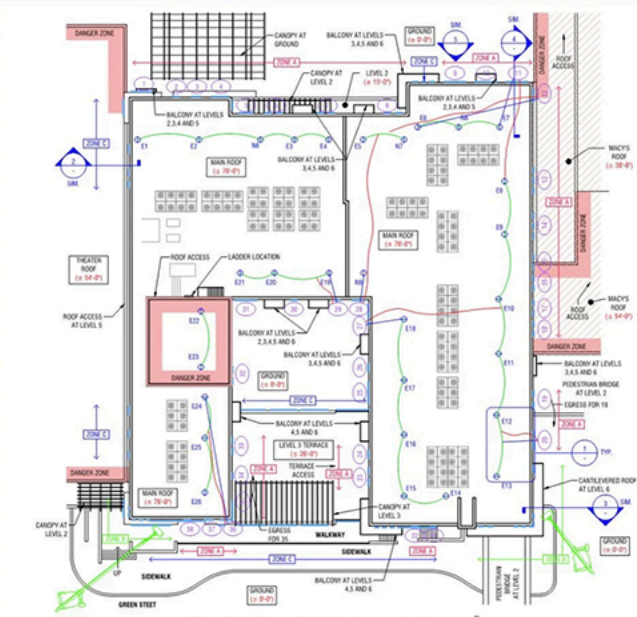
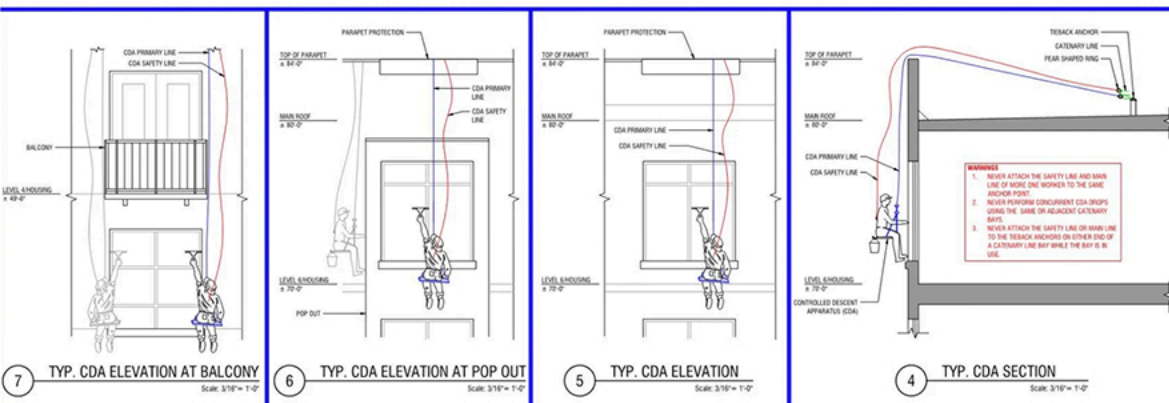


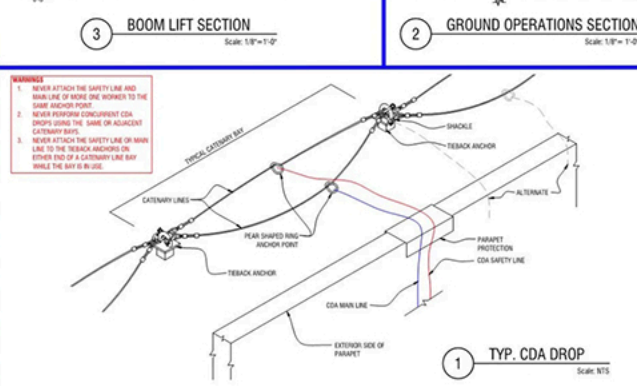
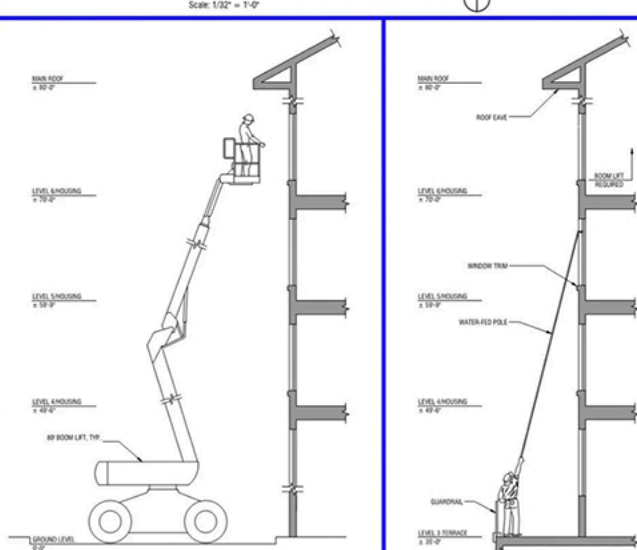
OPERATING PROCEDURES OUTLINE SHEET (OPOS)



COMPOSITE ROOF PLAN - WEST BUILDING
Scale: 1/32" = 1'-0"



COMPOSITE ROOF PLAN - EAST BUILDING
Scale: 1/32" = 1'-0"



GENERAL NOTES:

- BUILDING OWNER - MANAGER TO PROVIDE "WRITTEN ASSURANCE" TO THE EMPLOYER/CONTRACTOR THAT THE BUILDING PROVIDED FACE ACCESS AND SAFETY EQUIPMENT HAS BEEN PROVIDED BY THE OWNER/CONTRACTOR AND IS SAFE FOR USE. A COPY OF THIS OPOS IS TO BE PROVIDED TO THE EMPLOYER/CONTRACTOR PRIOR TO STARTING ANY WORK.
- BUILDING OWNER - MANAGER TO PROVIDE EMPLOYER/CONTRACTOR WITH ANY ORIGINAL EQUIPMENT OPERATION, MAINTENANCE AND INSTRUCTION MANUALS FOR THEIR BUILDING PROVIDED EQUIPMENT TO ALLOWING THEM TO USE THE EQUIPMENT. A COPY OF THIS OPOS IS TO BE PROVIDED TO THE EMPLOYER/CONTRACTOR PRIOR TO STARTING ANY WORK.
- EMPLOYER/CONTRACTOR SHALL PERFORM A DAILY INSPECTION OF ALL BUILDING PROVIDED AND CONTRACTOR PROVIDED MAINTENANCE AND SAFETY EQUIPMENT. ANY DEFECTIVE EQUIPMENT SHALL BE IMMEDIATELY NOTIFIED TO THE BUILDING OWNER/CONTRACTOR AND THE EQUIPMENT SHALL BE REMOVED FROM THE WORK AREA. THE EMPLOYER/CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL BUILDING PROVIDED AND CONTRACTOR PROVIDED MAINTENANCE AND SAFETY EQUIPMENT. THE EMPLOYER/CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL BUILDING PROVIDED AND CONTRACTOR PROVIDED MAINTENANCE AND SAFETY EQUIPMENT. THE EMPLOYER/CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL BUILDING PROVIDED AND CONTRACTOR PROVIDED MAINTENANCE AND SAFETY EQUIPMENT.
- EMPLOYER/CONTRACTOR SHALL PROVIDE TRAINING AND SUPERVISE THEIR WORKING CLIMBING EMPLOYEES IN THE PROPER USE OF ALL EQUIPMENT PROVIDED TO THEM TO ENSURE THAT SAFE WORK PRACTICES ARE OBSERVED AND OPERATIONS ARE BEING CONDUCTED IN ACCORDANCE WITH THIS OPOS. THE EMPLOYER/CONTRACTOR SHALL PROVIDE TRAINING AND SUPERVISE THEIR WORKING CLIMBING EMPLOYEES IN THE PROPER USE OF ALL EQUIPMENT PROVIDED TO THEM TO ENSURE THAT SAFE WORK PRACTICES ARE OBSERVED AND OPERATIONS ARE BEING CONDUCTED IN ACCORDANCE WITH THIS OPOS.
- ALL WORKERS MUST SUPPLEMENT APPROVED FALL ARREST METHODS PRIOR TO GOING OVER THE EDGE OF THE ROOF IN AN APPROVED SUSPENDED WORK PLATFORM OR CONTROLLED DESCENT APPARATUS (CDA) BY HAVING THEIR FALL ARREST SYSTEM SAFETY LINE SECURELY TIED TO AN INDEPENDENT ANCHORAGE ON THE ROOF ELIGIBLE TO BE USED.
- WHEN A SUSPENDED SCAFFOLD OR CONTROLLED DESCENT APPARATUS (CDA) IS USED TO ACCESS AN AREA TRAVELLED BY WORKERS, THE PUBLIC OR VEHICULAR TRAFFIC, THE GROUND AREA DIRECTLY UNDER THE WORK ZONE SHALL BE EFFECTIVELY BLOCKED BY MEANS OF BARRICADES, OR AN ATTENTION SHALL BE STATIONED TO AS TO KEEP THE AREA CLEAR. WARNING SIGNS SHALL ALSO BE POSTED BELOW.
- 2-WAY COMMUNICATION METHOD BETWEEN WORKERS AND THE BUILDING OWNER/MANAGER/AGENT SHALL BE PROVIDED AT ALL TIMES AND BE CONTINUOUSLY AVAILABLE AT ALL TIMES WHILE WORKERS ARE IN SUSPENDED OPERATIONS.

EMERGENCY AND RESCUE:

EMERGENCY ACTION PLAN

THE BUILDING OWNER SHALL HAVE DEVELOPED AN EMERGENCY ACTION PLAN FOR BUILDING RELATED EMERGENCIES THAT MAY OCCUR IN THEIR BUILDING REQUIRING BUILDING OCCUPANTS EVACUATIONS AND OTHER ACTIONS. ALL WORKERS USING THIS EQUIPMENT ARE TO BECOME FAMILIAR WITH THIS PLAN AND UNDERGO ANY TRAINING THAT THE BUILDING OWNER MAY REQUIRE.

2. AT ALL TIMES, WORKERS ARE TO CHECK IN AND CHECK OUT WITH THE BUILDING OWNER/SECURITY AGENT NOTIFYING THEM OF THE LOCATION AND NATURE OF WORK THEY ARE PERFORMING ON THE BUILDING.

CONTROLLED DESCENT APPARATUS (CDA) RELATED EMERGENCIES

- STANDARD WORKER - STANDBY WORKERS SHALL HAVE CONTACT VIA 2-WAY COMMUNICATION TO THE SECOND WORKER BUILDING OWNER/OWNER/MANAGER/AGENT FOR ASSISTANCE. THE SECOND WORKER SHALL BE TRAINED IN RESCUE AND DEPLOY THE RESCUE KIT FOR ASSISTING STANDBY WORKERS. THIS INCLUDES DEPLOYING A CDA SYSTEM FOR HIR OR RESCUE AND A NEW DESCENT LINE AND CDA CHECK FOR THE SECOND WORKER. FOLLOW THE RESCUE KIT INSTRUCTIONS AND INSTRUCTIONS TO RESCUE WORKERS TO THE GROUND.
- DISAPPEARED WORKER - IF A SUSPENDED WORKER BECOMES INCAPACITATED AS A RESULT OF A MEDICAL CONDITION OR ACCIDENT, THE SECOND WORKER IS TO IMMEDIATELY CALL EMERGENCY RESPONSE OR 911. UPON ARRIVAL OF EMERGENCY RESPONSE PERSONNEL, THE SECOND WORKER IS TO THEN EXECUTE THE DISCERN RESCUE PORTION OF THE RESCUE OR PROVIDE DIRECTIONS PROVIDED BY THE EMERGENCY RESPONSE TEAM.

SYSTEM OVERVIEW AND GENERAL INSTRUCTIONS

PRIOR TO USE

THIS BUILDING IS EQUIPPED WITH PERMANENT TRACK ANCHORS AND DOUBLE CANTILEVER LINE SLINGS BETWEEN ANCHORS FOR THE PURPOSE OF SUSPENDING A MANUFACTURED OPERATING INSTRUCTIONS. CALIFORNIA CODE OF REGULATIONS, TITLE 8, ARTICLES 5 AND 6 AND ANY APPLICABLE LOCAL REGULATIONS. THE EMPLOYER/CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL BUILDING PROVIDED AND CONTRACTOR PROVIDED MAINTENANCE AND SAFETY EQUIPMENT. THE EMPLOYER/CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL BUILDING PROVIDED AND CONTRACTOR PROVIDED MAINTENANCE AND SAFETY EQUIPMENT.

OPERATING INSTRUCTIONS

RIGGING / ACCESS - ZONE A CONTROLLED DESCENT APPARATUS (CDA)

APPROVED METHODS:

- CONTROLLED DESCENT APPARATUS (CDA)

BUILDING PROVIDED EQUIPMENT:

- TRACK ANCHORS (NEST BUILDING - 43 TOTAL EAST BUILDING - 30 TOTAL)
- DOUBLE CANTILEVER LINES (EACH LINE WITH (1) PEAR SHAPED RING AS ANCHOR POINT (POSITIONS))

EMPLOYER/CONTRACTOR PROVIDED EQUIPMENT:

- EMPLOYER/CONTRACTOR TO PROVIDE A COMPLETE CDA EQUIPMENT SYSTEM WHICH INCLUDES THE FOLLOWING APPROVED EQUIPMENT MEETING ALL APPLICABLE AND/OR CALIFORNIA STANDARDS FOR EQUIPMENT USED IN INDUSTRIAL APPLICATIONS:
 - ROBUST CHAIR
 - CONTROLLED DESCENT APPARATUS (CDA)
 - SAFETY LINE
 - PULL BODY HARNESSES
 - SHOCK ABSORBING LANYARD (OF LONG WAY)
 - HOPE CHAIN
 - REQUIRED RIGGING (D-RINGS / SHACKLES)
 - RESIDUE KIT - PLAN
 - ROPE GUARD / PARAPET PROTECTION
 - IF EXTENSION POLE (BARS)

THIS ZONE IS ACCESSIBLE FROM THE MAIN ROOF

TYPICAL CDA RIGGING AND DROP PROCEDURES:

- REFER TO THE COMPOSITE ROOF / EQUIPMENT PLAN OF THIS OPOS TO DETERMINE THE DESIRED DROP LOCATION. OBTAIN THE TRACK ANCHORS REQUIRED FOR THE MAIN SUSPENSION LINE AND SAFETY LINE ASSOCIATED WITH EACH CDA DROP.
- PROPERLY BARRICADE THE GROUND LEVEL AT THE DESIRED DROP LOCATION.
- THE CDA EQUIPMENT IS TO BE RIGGED IN LINE WITH THE WINDOWS AT EACH DROP LOCATION WITHOUT EXCEEDING AN ANGLE OF 10 DEGREES AS MEASURED PERPENDICULAR TO THE ROOF EDGE.
- THE MAIN LINE AND SAFETY LINE ARE TO BE TIED TO INDEPENDENT ANCHOR POINTS EXTENDING ON THIS OPOS. THE ANCHOR POINTS ARE THE FOLLOWING:
 - CANTILEVER LINES (EACH LINE WITH 1 PEAR SHAPED RING PEAR SHAPED RING IS THE ANCHOR)
 - TRACK ANCHOR OR BAR
- NEEDS ATTACH THE MAIN SUSPENSION LINE AND SAFETY LINE TO THE SAME ANCHOR POINT
- PROPERLY RIG THE CDA EQUIPMENT AT EACH DROP LOCATION ACCORDING TO THE EQUIPMENT MANUFACTURER'S RIGGING/OPERATION INSTRUCTIONS. THE PORTION OF THE MAIN LINE AND SAFETY LINE THAT DRAPES OVER THE ROOF EDGE SHALL BE PROTECTED FROM DAMAGE WITH ROPE GUARDS OR OTHER PROTECTIVE EQUIPMENT. RIGGING PROCEDURES VARY BY LOCATION, AS FOLLOWS:
 - AT PARAPETS THE CDA MAIN LINE AND SAFETY LINE SHALL BE DRAPED OVER THE PARAPET.
 - ATTACH CDA MAIN LINE AND SAFETY LINE TO INDEPENDENT ANCHOR POINTS.
 - RIG CDA SYSTEM TO LINES.
 - ATTACH SAFETY LINE TO FULL BODY HARNESSES.
 - CLIMB OVER PARAPET AND BEAR DESCENT.
 - AT GROUNDWALLS THE CDA MAIN LINE AND SAFETY LINE SHALL BE FED UNDER THE GROUNDWALL. CDA MAIN LINE AND SAFETY LINE SHOULD NEVER BE DRAPED OVER GROUNDWALLS DURING CDA OPERATIONS.
 - ATTACH CDA MAIN LINE AND SAFETY LINE TO INDEPENDENT ANCHOR POINTS.
 - PASS THE LINES UNDER THE GROUNDWALL AND LOWER TO THE GROUND BELOW.
 - WHILE STANDING ON THE BROADSIDE SIDE OF THE GROUNDWALL, GRAB THE MAIN LINE AND SAFETY LINE ON THE OUTSIDE EDGE OF THE GROUNDWALL AND RUN THE LINES TO THE CDA SYSTEM.
 - CLIMB OVER GROUNDWALL CAREFULLY AND BEAR DESCENT.
- REPEAT THESE STEPS AS NECESSARY UNTIL ALL CDA DROPS HAVE BEEN COMPLETED (DROP LOCATIONS AND NUMBER ARE FOR ILLUSTRATION PURPOSES)

RIGGING / ACCESS - ZONE B BOOM LIFT

APPROVED METHODS:

- BOOM LIFT
- EXTENSION POLE (IF MAX LENGTH)

BUILDING PROVIDED EQUIPMENT:

- NONE

EMPLOYER/CONTRACTOR PROVIDED EQUIPMENT:

- EXTENSION POLE
- EXTENSION POLE (IF MAX LENGTH)

THIS ZONE IS ACCESSIBLE FROM THE GROUND LEVEL

RIGGING / ACCESS - ZONE C GROUND OPERATIONS

APPROVED METHODS:

- SOURCE METHOD
- EXTENSION POLE METHOD
- HIGH REACH BATTERED POLE METHOD

BUILDING PROVIDED EQUIPMENT:

- NONE

EMPLOYER/CONTRACTOR PROVIDED EQUIPMENT:

- SOURCE
- EXTENSION POLE
- HIGH REACH BATTERED POLE

RIGGING / ACCESS - ZONE C GROUND OPERATIONS

APPROVED METHODS:

- APPROACH THE AREA TO BE ACCESSIBLE WITH THE NECESSARY EQUIPMENT AND REPAIR WORK.
- REPEAT UNTIL ALL ZONES ARE COMPLETED.
- FOLLOW ALL OPERATING INSTRUCTIONS FROM THE MANUFACTURER OF ALL EQUIPMENT USED.
- OBSERVE ALL WARNINGS FROM EQUIPMENT MANUFACTURERS.
- DO NOT USE ANY EXTENSION POLES WITHIN 10' OF 480V HIGH VOLTAGE POWER LINES.