



LOCATION MAP

DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV
CENTRAL SERVICE YARD - PHASE 2
1661 SENTER ROAD SAN JOSE, CA 95112

PROJECT MANAGER: MARY FOLLENWEIDER
PROJECT NO: 684

VOLUME 2 PERMIT SET
STRUCTURAL, METAL BUILDING, MECH., ELEC., PLUMB., FIRE PROTECTION

24 APRIL 2006

OWNER

CITY OF SAN JOSE
Department of Public Works
City Facilities Architectural
Services Division
200 E. Santa Clara Street
San Jose, CA 95113
408.535.8371

GENERAL CONTRACTOR

HENSEL PHELPS CONSTRUCTION CO
2107 North First Street
Suite 101
San Jose, CA 95131
408.452.1800

ARCHITECT

FENTRESS BRADBURN ARCHITECTS LTD.
421 Broadway
Denver, CO 80203
303.722.5000

STRUCTURAL ENGINEER

THE CROSBY GROUP
726 Main St.
Redwood City, CA 94063
650.367.8100

MECHANICAL, PLUMBING, FIRE PROTECTION

O.C. McDONALD CO, INC
1150 West San Carlos Street
San Jose, CA 95126
408.295.0626

VAO CONSULTING ENGINEERS
1530 The Alameda, #300
San Jose, CA 95126

TRANSBAY FIRE PROTECTION, INC.
2182 Rheem Drive
Pleasanton, CA 94588

ELECTRICAL CONTRACTOR

HOWE ELECTRIC, INC
4682 E. Olive Avenue
Fresno, CA 93702
559.255.8992

CIVIL ENGINEER

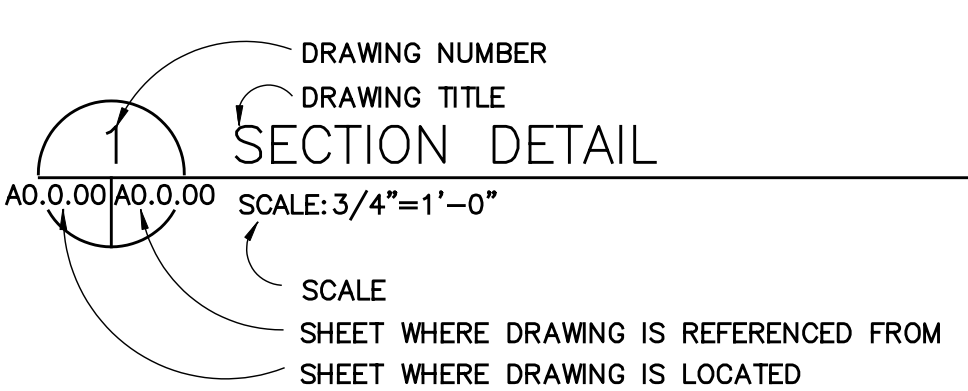
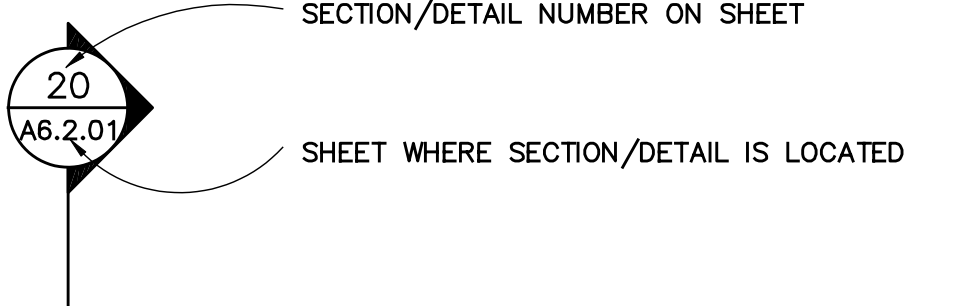
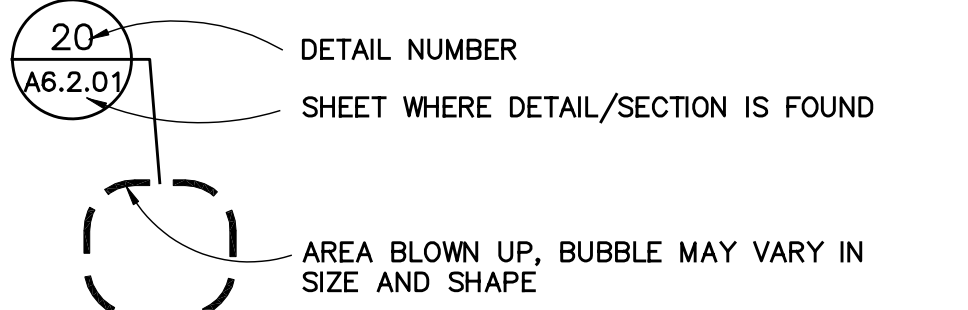
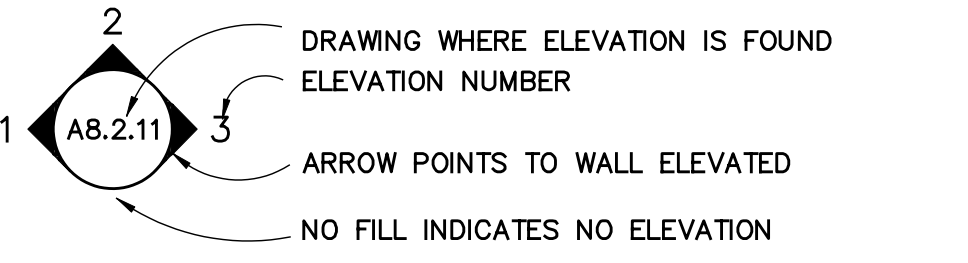
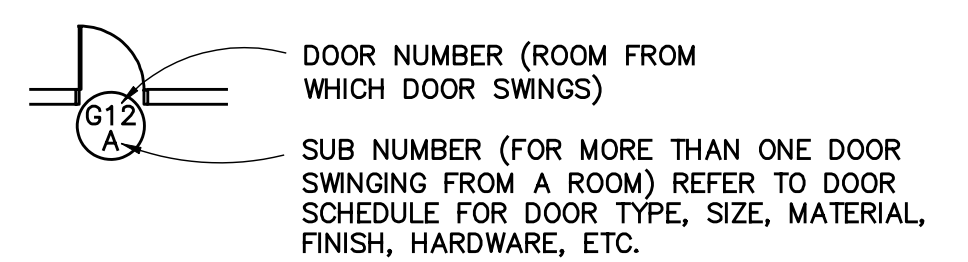
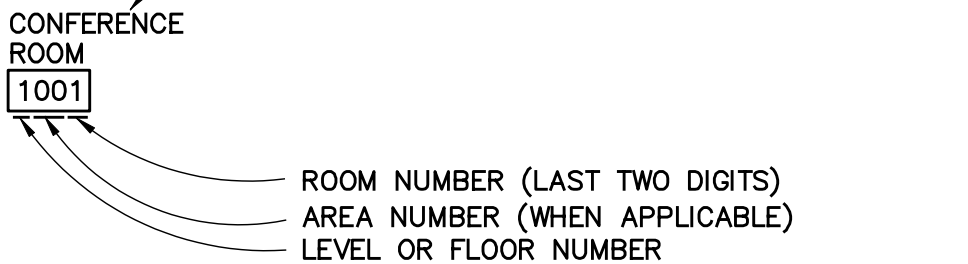
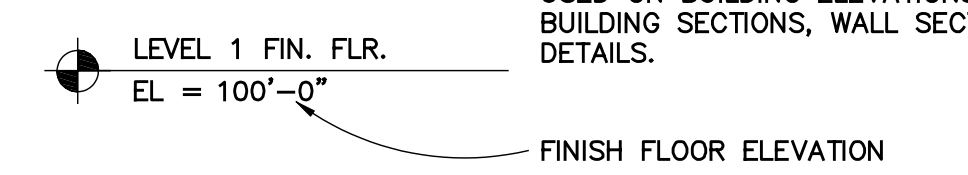
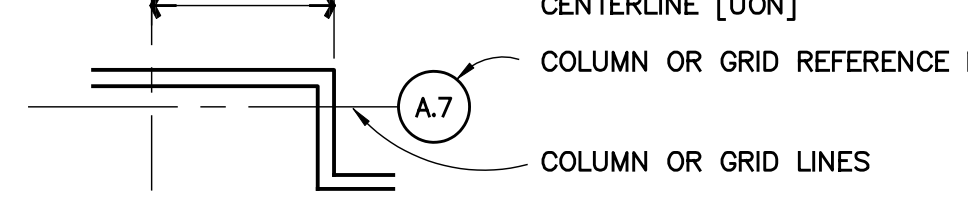
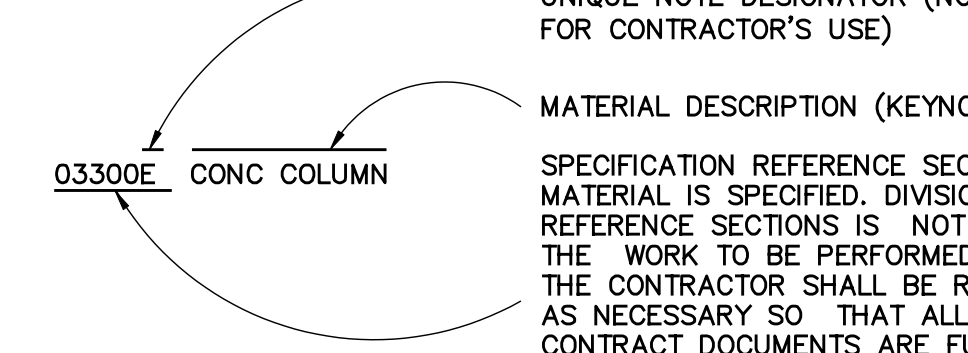
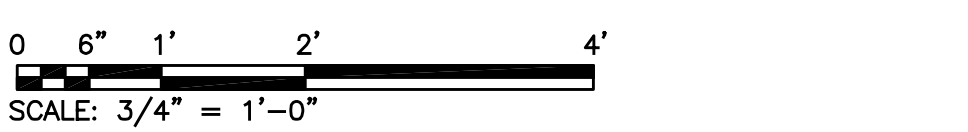
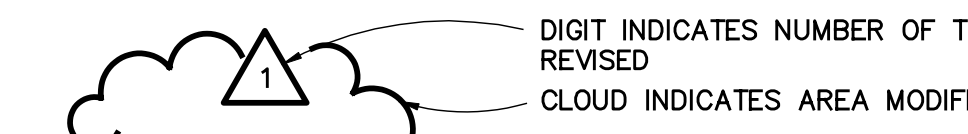
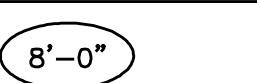
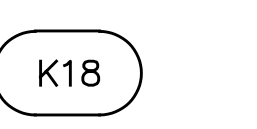
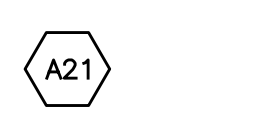
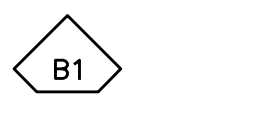
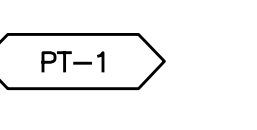
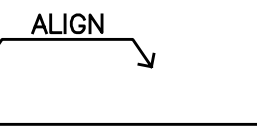
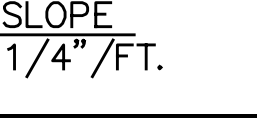
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[illegible]

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ABBREVIATIONS				STANDARD SYMBOLS		STANDARD SYMBOLS (CONT)		COPYRIGHT © FENTRESS BRADBURN ARCHITECTS, LTD.	
A.B. Anchor Bolt A/C Air Conditioning ACOUS Acoustical ACT. Acoustical Ceiling Tile ADA Americans w/ Disabilities Act ADD Addendum ADD'L Additional ADJ Adjacent, Adjustable AFF Above Finished Floor ALUM Aluminum ALT Alternate ANCH Anchor ANOD Anodized APPROX Approximate ARCH Architectural (or Architect) ASPH Asphalt AUX Auxiliary A/V Audio Visual AVG Average BATH Bathroom B/C Back of Curb BD. Board BITUM Bituminous BLDG Building BLKG Blocking BM Benchmark, Beam B.O. Bottom Of BOT, BTM Bottom BRG Bearing BSMT Basement BUR Built Up Roofing CAB Cabinet CAP Capacity CEM Cement(itious) CER Ceramic CFM Cubic Feet Per Minute CIP Cast-In-Place C.J. Control Joint C/L Centerline CLG Ceiling CLOS Closet CLR Clear(ance) CM Centimeter(s) CMU Concrete Masonry Unit C.O. Clean Out COL Column CONC Concrete CONF Conference CONSTR Construction CONT Continuous CPT Carpet CSNK Countersink CT Ceramic Tile C/W Curtain Wall CU Cubic CW Cold Water DBL Double DEG Degree DEMO Demolish, Demolition DEPT Department D.F. Drinking Fountain DIA Diameter DIAG Diagram, Diagonal DIM Dimension DISP Dispenser DIV Division D.L. Dead Load DN Down DS Downspout DTL, DET Detail DWG Drawing DWR Drawer E East EA Each E.B. Expansion Bolt E.J. Expansion Joint EL Elevation ELEC Electric(al) ELEV Elevator, Elevation EMER Emergency ENCL Enclose(ure) EQ Equal EQUIP Equipment E.S. Exposed Structure EST Estimate E.W. Each Way EWC Electric Water Cooler EWH Electric Water Heater EXH Exhaust EXIST Existing EXP Expansion, Exposed EXT Exterior F Fahrenheit FA Fire Alarm F.A.C. Fire Alarm Cabinet FBO Furnished By Others FD Floor Drain, Fire Damper FDN Foundation FE Fire Extinguisher FEC Fire Extinguisher Cabinet FHC Fire Hose Cabinet FHV Fire Hose Valve FIG Figure FIN Finish(ed) FIX Fixture F/L Flow Line FLR Floor FLUOR Fluorescent FLEX Flexible F.O.C. Face of Concrete F.O.F. Face of Finish F.O.M. Face of Masonry F.O.S. Face of Studs FPM Feet Per Minute FR Fire Resistant(ance) FT Foot, Feet FTG Footing FURN Furnish, Furnished FUT Future FVC Fire Valve Cabinet G GAS GA Gauge GAL Gallon GALV Galvanized GB Grab Bar GC General Contractor GEN Generator GL Glass GPM Gallons Per Minute GYP Gypsum GYP BD Gypsum Board HB Hose Bibb HDR Header HDWR Hardware HID High Intensity Discharge HM Hollow Metal HORIZ Horizontal HP Horsepower HR Hour HT Height HTR Heater HVAC Heating Ventilating & A/C HW Hot Water HWY Highway IBC International Building Code ID Inside Diameter IN Inches INCAN Incandescent INCL Include(d)(ing) INSUL Insulation INT Interior INV Invert JAN Janitor JST Joist JT Joint K Kip KIT Kitchen KD Knock Down KO. Knockout KVA Kilovolt – Amperes KW Kilowatt L Angle LAM Laminated LAV Lavatory LDR Leader LH Left Hand LN Linear LIQ Liquid LL Live Load LP Lighting Panel, Light Proof LT Light MACH Machine(ry) MAG Magnetic MAINT Maintenance MAS Masonry MATL Material MAX Maximum MECH Mechanical MED Medium MEMB Membrane MEZZ Mezzanine MFR Manufacturer MH Manhole MI Mile MIN Minimum MISC Miscellaneous MM Millimeter(s) M.O. Masonry Opening MTD Mounted MTL Metal MUL Mullion N North N/A Not Applicable NIC Not In Contract NO or # Number NOM Nominal NRC Noise Reduction Coefficient NTS Not To Scale N.W. Normal Weight OA Overall O.C. On Center(s) OD Outside Diameter O.H. Opposite Hand OH Overhead OPNG Opening OPP Opposite PART Particle PAVE Pavement P/C Precast Concrete PCF Pounds per Cubic Feet PED Pedestrian PEN Penetration PERF Perforate(d) PERIM Perimeter PKG Parking P/L Property Line PL Plate P.LAM. Plastic Laminated PLAS Plaster PLBG Plumbing PLYWD Plywood PREFAB Prefabricate PREFIN Prefinished PRESTR Prestressed PROP Property PSF Pounds Per Square Foot PSI Pounds per Square Inch PTD Painted P.T.DISP Paper Towel Dispenser P.T.REC. Paper Towel Receptacle PT Paint P.T. Pressure Treated P/T Post-Tensioned PTN Partition PVC Polyvinyl Chloride PVMT Pavement QT Quarry Tile QTY Quantity R Riser R/A Return Air RAD Radius RCP Reflected Ceiling Plan RD Roof Drain, Road RE: Reference REBAR Reinforcing Bar RECPT Receptacle REF Reference/Refrigerator REINF Reinforce(d)(ing) REM Remove REQ'D Required RESIL Resilient REV Revision(s), Revised RH Right Hand RM Room R.O. Rough Opening ROW Right of Way RPM Revolutions Per Minute S South SAN Sanitary S.C. Solid Core SCHED Schedule SEC Section, Second SHEATH Sheathing SF Square Feet SHT Sheet SIM Similar SAN.DIS. Sanitary Napkin Dispenser SAN.REC. Sanitary Napkin Receptacle S.O.G. Slab On Grade SPECS Specifications SPKL Sprinkler SPKR Speaker SQ Square SS Stainless Steel S/S Service Sink STA Station STD Standard STL Steel STOR Storage STRUCT Structure(al) SUSP Suspended SYM Symmetrical SYS System T Tread T&B Top and Bottom TBC Top of Back of Curb TEL Telephone TEM Tempered TEMP Temperature, Temporary T&G Tongue and Groove THK Thick THLD Threshold T.O. Top Of T.O.C. Top of Concrete T.O.S. Top of Steel T.O.SL Top of Slab T.O.W. Top of Wall TP.DISP. Toilet Paper Dispenser TRANS Transfer TS Steel Tubing T-STAT Thermostat TV Television TYP Typical TX Transformer/Transmitter UBC Uniform Building Code UMC Uniform Mechanical Code UPC Uniform Plumbing Code UNFIN Unfinished UL Underwriter Laboratory UON Unless Otherwise Noted UR Urinal V Volt VAR Varies, Variable VCT Vinyl Composition Tile VENT Ventilation VERT Vertical	DRAWING TITLE  DRAWING NUMBER DRAWING TITLE SCALE: 3/4"=1'-0" SHEET WHERE DRAWING IS REFERENCED FROM SHEET WHERE DRAWING IS LOCATED SECTION/DETAIL MARKER  SECTION/DETAIL NUMBER ON SHEET SHEET WHERE SECTION/DETAIL IS LOCATED ENLARGED DETAIL OR PLAN INDICATOR  DETAIL NUMBER SHEET WHERE DETAIL/SECTION IS FOUND AREA BLOWN UP, BUBBLE MAY VARY IN SIZE AND SHAPE ELEVATION INDICATOR  DRAWING WHERE ELEVATION IS FOUND ELEVATION NUMBER ARROW POINTS TO WALL ELEVATED NO FILL INDICATES NO ELEVATION DOOR NUMBER  DOOR NUMBER (ROOM FROM WHICH DOOR SWINGS) SUB NUMBER (FOR MORE THAN ONE DOOR SWINGING FROM A ROOM) REFER TO DOOR SCHEDULE FOR DOOR TYPE, SIZE, MATERIAL, FINISH, HARDWARE, ETC. NORTH ARROW  PROJECT NORTH INDICATES THE DIRECTION THAT IS MOST CLOSE TO TRUE NORTH AND IS SQUARE WITH THE PROJECT CONSTRUCTION. ROOM NAME AND NUMBER  ROOM NAME ROOM NUMBER (LAST TWO DIGITS) AREA NUMBER (WHEN APPLICABLE) LEVEL OR FLOOR NUMBER ELEVATION MARKERS  LEVEL 1 FIN. FLR. EL = 100'-0" FINISH FLOOR ELEVATION SPOT ELEVATIONS  EXISTING EL = 100'-0" DIMENSIONING AND GRIDS  ARROW INDICATES DIMENSION TO FACE OF FINISHED MATERIALS OR TO CENTERLINE [UON] COLUMN OR GRID REFERENCE NUMBERS COLUMN OR GRID LINES NOTES AND LEADERLINES  UNIQUE NOTE DESIGNATOR (NOT FOR CONTRACTOR'S USE) MATERIAL DESCRIPTION (KEYNOTE) SPECIFICATION REFERENCE SECTION – SECTION IN WHICH THE MATERIAL IS SPECIFIED. DIVISION OF THE WORK INTO SPEC REFERENCE SECTIONS IS NOT INTENDED TO DIVIDE OR DEFINE THE WORK TO BE PERFORMED BY INDIVIDUAL SUBCONTRACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE TO DIVIDE THE WORK AS NECESSARY SO THAT ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE FULFILLED. GRAPHIC SCALE  0 6" 1' 2' 4' SCALE: 3/4" = 1'-0" REVISION OR ADDENDUM NUMBER  DIGIT INDICATES NUMBER OF TIMES REVISED CLOUD INDICATES AREA MODIFIED	CEILING HEIGHT TAG  INDICATES HEIGHT OF CEILING ABOVE FINISH FLOOR EQUIPMENT, CASWORK AND TOILET ACCESSORY TAG  LETTER INDICATES ITEM TYPE T=TOILET ACCESSORIES K=KITCHEN EQUIPMENT M=MILLWORK F=FURNITURE WINDOW TAG  SHOWN ON BUILDING ELEVATION SEE WINDOW SCHEDULE FOR MORE INFORMATION LOUVER TAG  LOUVER TYPE FINISH TAG  REFER TO SCHEDULE OF COLORS AND FINISHES FOR ADDITIONAL INFORMATION ABOUT THIS FINISH ALIGN SYMBOL  THIS SYMBOL TAKES PRECEDENCE OVER DIMENSIONS SLOPE INDICATOR  SLOPE 1/4"/FT. GENERAL NOTES 1. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL ESTABLISH LOCATION OF ALL PARTITIONS, OPENINGS, EQUIPMENT, ETC. 2. LARGER SCALE DRAWINGS AND DETAILS HAVE PRIORITY OVER SMALLER SCALE DRAWINGS. 3. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS IN THE DRAWINGS AND/OR SPECIFICATIONS, REQUEST AND RECEIVE AN INTERPRETATION OR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION. 4. CONTRACTOR SHALL VERIFY FIELD CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION. 5. DISTANCE FROM PERPENDICULAR WALL TO DOOR JAMB SHALL BE 4" UNLESS NOTED OTHERWISE. 6. AT ROOMS WITH FLOOR DRAINS (TOILET ROOMS, MECHANICAL ROOMS, ETC.), SET DRAIN DOWN 1/2 INCH AND SLOPE FLOOR TO DRAIN AT 1/4 INCH PER FOOT FROM DRAIN. 7. PROVIDE FULLY TEMPERED OR LAMINATED SAFETY GLASS WHERE REQUIRED BY ALL APPLICABLE CODES, REGULATIONS AND/OR LAWS. 8. CONCRETE SLAB CONTROL JOINTS AND EXPANSION JOINTS SHALL BE CLOSELY COORDINATED WITH TILE AND PAVING PATTERN AND SHALL OCCUR UNDER TILE JOINTS WHERE POSSIBLE. PROVIDE CRACK ISOLATION MEMBRANE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WHERE CONTROL JOINTS AND TILE JOINTS DO NOT ALIGN AND PROVIDE SOFT JOINT IN TILE ABOVE. DEMOLITION PLAN GENERAL NOTES 1. REMOVE CEILINGS, FLOORING, DOORS AND FRAMES, PARTITIONS, COMPONENTS, BUILDING EQUIPMENT, AND FIXTURES AS REQUIRED FOR NEW WORK. 2. REMOVE ABANDONED HVAC EQUIPMENT, DUCTWORK, ELECTRICAL DEVICES AND CONDUIT, WIRING DEVICES, LIGHT FIXTURES, PLUMBING LINES, PIPING, RISERS, DUCTS AND GRILLES FROM ALL AREAS, EXCEPT WHERE OTHERWISE INDICATED ON THE DRAWINGS. CAP AND IDENTIFY EXPOSED UTILITIES. ARRANGE AND PAY FOR DISCONNECTING, REMOVING AND CAPPING UTILITY SERVICES WITHIN AREAS OF DEMOLITION. NOTIFY OWNER AND THE AFFECTED UTILITY COMPANY IN ADVANCE AND OBTAIN APPROVAL BEFORE STARTING THIS WORK. 3. PROVIDE TEMPORARY PARTITIONS TO SECURE WORK AREAS AND TO ALLOW CONTINUED BUILDING OCCUPANCY BY OWNER. 4. THE ARCHITECT HAS NO KNOWLEDGE OF, AND SHALL NOT BE HELD LIABLE FOR, ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ON THE JOBSITE. IF ASBESTOS, OR OTHER HAZARDOUS MATERIALS, ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL ISOLATE THE AFFECTED AREA AND CONTACT THE OWNER FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING. 5. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ALL UTILITIES DETERMINED IN COURSE OF CONSTRUCTION AS BEING NECESSARY TO BE REMOVED WHICH HAVE NOT OTHERWISE BEEN NOTED FOR REMOVAL IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL REMOVE SUCH UTILITIES ONLY AFTER CONSULTATION WITH ARCHITECT AND OWNER. WHETHER PREDETERMINED IN THE CONSTRUCTION DOCUMENTS, OR DETERMINED LATER IN THE FIELD, DISCONNECT, CUT BACK TO SOURCE, AND CAP ALL UTILITY SERVICES REMOVED. SEAL ALL PENETRATIONS CREATED BY REMOVAL OF UTILITIES TO MATCH ADJACENT CONSTRUCTION AND FINISHES. 6. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION. 7. DO NOT INTERFERE WITH USE OF ADJACENT BUILDINGS; MAINTAIN FREE AND SAFE PASSAGE TO AND FROM. 8. PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURES. PROVIDE AND PLACE BRACING OR SHORING AND BE RESPONSIBLE FOR SAFETY AND SUPPORT OF STRUCTURE. 9. PROVIDE, ERECT AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND WORKERS. 10. CAREFULLY REMOVE, STORE AND PROTECT FOR RE-INSTALLATION, THE FOLLOWING MATERIALS AND EQUIPMENT: EXISTING EQUIPMENTS FROM BUILDING B TO BE RELOCATED IN BUILDING F AND BUILDING G, REFER TO EQUIPMENT PLANS AF4.0.02 AND AG4.0.02 FOR COMPLETE LIST OF EQUIPMENTS. 11. CAREFULLY REMOVE THE FOLLOWING MATERIALS AND EQUIPMENT, TO BE RETAINED BY THE OWNER. DELIVER AND STORE WHERE DIRECTED. 12. ERECT AND MAINTAIN DUSTPROOF PARTITIONS, AS REQUIRED, TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC., TO OTHER PARTS OF THE BUILDING. ON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES. 13. REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED, AT NO COST TO THE OWNER. 14. REMOVE TOOLS AND EQUIPMENT FROM SITE UPON COMPLETION OF WORK. LEAVE CONTRACT AREAS AND SITE CLEAN, ORDERLY, AND IN A CONDITION ACCEPTABLE FOR NEW OR OTHER CONSTRUCTION. 15. THE INTENT OF THE CONTRACT DOCUMENTS IS TO REMOVE ALL NONSTRUCTURAL ITEMS WITHIN THE BUILDING DOWN TO THE FINISH MATERIAL ON THE STRUCTURE, UNLESS OTHERWISE NOTED. 16. STRUCTURAL DEMOLITION, AS SHOWN ON THE DRAWINGS, SHALL BE REVIEWED ON SITE WITH THE ARCHITECT AND/OR ENGINEER PRIOR TO COMMENCEMENT OF THE WORK IN ACCORDANCE WITH THE SPECIFICATIONS. 17. PROTECT ALL ITEMS AND FINISHES THAT ARE TO REMAIN OR BE RE-USED IN ACCORDANCE WITH A PROTECTION PLAN TO BE REVIEWED AND APPROVED BY THE ARCHITECT.	ISSUED FOR: PERMIT SET DATE: 24APR06 						

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GENERAL NOTES

A. GENERAL

1. THE INTENT OF THESE DRAWINGS IS TO SHOW ALL ITEMS NECESSARY TO COMPLETE THE STRUCTURE. FOR ITEMS, METHODS AND/OR MATERIALS NOT SHOWN, THE MINIMUM REQUIREMENTS OF THE 2001 CBC SHALL GOVERN. ALL WORK AND CONSTRUCTION SHALL COMPLY WITH ALL OTHER APPLICABLE BUILDING CODES, SOIL REPORTS, REGULATIONS AND SAFETY REQUIREMENTS.
2. TYPICAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.
3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DESIGN AND PROVIDE ADEQUATE SHORING, BRACING AND FORMWORK, ETC., AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING THE CONSTRUCTION OF THIS BUILDING.
4. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL, CIVIL, ELECTRICAL AND MECHANICAL DRAWING BEFORE PREPARING SHOP DRAWINGS, FABRICATION OR CONSTRUCTION. SEE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPES, SLEEVES, PITS, VENTS, DUCTS, ETC. AND DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
5. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/ OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
6. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
8. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, WALLS, UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS. FOR ANY FURTHER RESTRICTIONS ON OPENINGS IN STRUCTURAL ELEMENTS, SEE APPLICABLE SECTIONS BELOW.
9. PIPES LARGER THAN 1 1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHEN WHERE SPECIFICALLY APPROVED.

B. DESIGN BASIS

REFERENCE CODE	
2001 CALIFORNIA BUILDING CODE (CBC)	
LIVE LOADS	
ROOF	-20 PSF
FLOOR: ALL TYP. FLOOR AREAS SUCH AS MEETING ROOMS, OFFICE SPACE, KITCHEN	-100 PSF
STORAGE ROOMS	-125 PSF
EXITS/ CORRIDORS	-100 PSF (NO REDUCTION)
SHOP BUILDING, GRADE LEVEL SLABS	-SEE RFP
PARTITION LOADS	
TYPICAL FLOOR	20.0 PSF (OFFICES)
EQUIPMENT	SEE MECH. SCHEDULES
TYPICAL FLOOR (SEISMIC ONLY)	10.0 PSF

EARTHQUAKE LOADS.....2001 CBC, SECTION 1630

$$E = PE_n + E_v, \quad E_m = \bar{\Omega}_o E_h$$

WHERE E_n DUE TO

$$V = \frac{C_u I}{R} W$$

$$V = \frac{2.5 C_u I}{R} W \quad (\text{NOT TO EXCEED})$$

$$V = 0.11 C_u I W \quad (\text{SHALL NOT BE LESS THAN})$$

$$V = \frac{0.8 Z N_e I}{R} W \quad (\text{NOT TO EXCEED FOR ZONE 4})$$

AND:

$$S_o = \text{SOIL TYPE}$$

$$Z = \text{ZONE 4}$$

$$I = 1.0$$

$$R = 4.5 \text{ (OMRF)}$$

$$R = 5.6 \text{ (OCBF)}$$

$$\bar{\Omega}_o = 2.8 \text{ (OMRF)}$$

$$= 2.2 \text{ (OCBF)}$$

$$N_e = 1.0$$

$$N_e = 1.06$$

$$C_u = 0.44$$

$$C_v = 0.68$$

$$W = \text{TOTAL SEISMIC DEAD LOAD}$$

WIND LOADS.....2001 CBC, SECTION 1630

$$P = C_e + C_q q_s I_w \dots\dots\dots(\text{SECTION 1620})$$

WHERE:

$$C_e \text{ EXP. "C" (SEE TABLE 16-G)}$$

$$C_q \text{ SEE TABLE 16-7}$$

$$q_s \text{ 16.4 PSF FOR BASIC WIND SPEED} = 80 \text{ MPH}$$

$$I_w \text{ 1.0}$$

C. FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON A GEOTECHNICAL REPORT BY PARKH CONSULTANTS INC., DATED JUNE 30, 2005 & SUPPLEMENTED BY A REPORT BY JO CROSBY DATED FEBRUARY 2006.
2. GEOTECHNICAL ENGINEER SHALL: a) REVIEW THE FOUNDATION PLANS PRIOR TO CONSTRUCTION, AND b) OBSERVE OVER EXCAVATION AND RECOMPACTION OF NEW GRANUL FILL FOR EACH BUILDING. DEPTH OF EXISTING FILLS VARY THROUGHOUT THE SITE AND SHALL BE REMOVED AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
3. ANY TEMPORARY SLOPES SHALL BE CONSTRUCTED AT A MAXIMUM GRADIENT OF 1.5:1 (HORIZONTAL TO VERTICAL). PERMANENT CUT AND FILL SLOPES SHOULD BE CONSTRUCTED WITH INCLINATIONS NO STEEPER THAN 2H:1V. FILL AND CUT SLOPES SHOULD BE VEGETATED AS SOON AS POSSIBLE AT THE BOTTOM, PERFORATED BACK-OF WALL DRAINS AND WEEP HOLES AT 6'-0" O.C. MAXIMUM.
4. ANY VERTICAL SOIL CUTS MUST BE PROVIDED WITH PROPER SHORING TO PROTECT THE WORKERS AND ADJACENT PROPERTY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND THE PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES. ALL WORK AND CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES, CALIFORNIA STATE AND OSHA REQUIREMENTS.
5. AN ADEQUATE DRAINAGE SYSTEM SHALL BE PROVIDED TO COLLECT AND TRANSPORT RUNOFF WATER TO THE DISCHARGE FACILITIES. ALL RETAINING WALLS SHALL HAVE AT THE BOTTOM, PERFORATED BACK-OF WALL DRAINS AND WEEP HOLES AT 6'-0" O.C. MAXIMUM.
6. ALL BUILDING PADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH GEOTECHNICAL REPORTS REFERRED TO IN NOTE # 1 ABOVE.
7. SOIL PRESSURES USED FOR FOUNDATION DESIGN SHALL BE AS FOLLOWS:
- A) ALLOWABLE BEARING OF CONTINUOUS SPREAD FOOTINGS
- | | |
|----------|--------------|
| DL+LL | Q = 3600 PSF |
| DL+LL+ST | Q = 4600 PSF |
- B) FRICTION COEFFICIENT ALLOWABLE = 0.40
- C) PASSIVE PRESSURES ALLOWABLE = 350 PCF
8. FOOTING WILL BE INCREASED 2" IN WIDTH FROM THAT SHOWN ON PLANS WHERE SIDE FORMS ARE NOT USED.

D. CONCRETE

1. THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS:
- | | |
|--------------------------------|-------------------------|
| SLABS ON GRADE (INTERIOR)..... | 150 PCF, f'c = 3500 PSI |
| FOUNDATIONS..... | 150 PCF, f'c = 3000 PSI |
| CIP COLUMNS AND WALLS..... | 150 PCF, f'c = 4000 PSI |
| MECHANICAL CURBS AND PADS..... | 150 PCF, f'c = 3000 PSI |
| OTHER..... | 150 PCF, f'c = 2500 PSI |
2. DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF MAIN BARS, TIES, ETC. AND DENOTE CLEAR COVERAGE. CONCRETE COVERAGE SHALL BE AS FOLLOWS, U.O.N. ON DRAWINGS:
- A) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ALL ELEMENTS.....3"
- B) CONCRETE EXPOSED TO EARTH OR WEATHER BUT PLACED IN FORMS. #6 THROUGH #18 BARS.....2" #5 BARS, W31 OR D31 WIRE, AND SMALLER.....1 1/2"
- C) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND SLABS, WALLS OR JOISTS. #14 OR #18 BARS.....1 1/2" #11 BARS AND SMALLER.....3/4"
- BEAMS AND COLUMNS. PRIMARY REINFORCEMENT, STIRRUPS, HOOPS, TIES, SPIRALS.....1 1/2" SHELLS AND FOLDED PLATE MEMBERS #6 AND LARGER BARS.....3/4" #5 BARS, W31 OR D31 WIRE, AND SMALLER.....1/2"

3. NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
4. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR ALL MOULDS, GROOVES, ORNAMENTS, CLIPS AND GROUNDS TO BE CAST IN CONCRETE.
5. FORMS SHALL BE PROPERLY CONSTRUCTED CONFORMING TO CONCRETE SURFACE AS SHOWN ON THE DRAWINGS, SUFFICIENTLY TIGHT TO PREVENT LEAKAGE, SUFFICIENTLY STRONG AND BRACED TO MAINTAIN THEIR SHAPE AND ALIGNMENT UNTIL NO LONGER NEEDED TO SUPPORT THE CONCRETE.
6. FORMS AND SHORING SHALL NOT BE REMOVED UNTIL THE CONCRETE HAS ATTAINED SUFFICIENT STRENGTH TO WITHSTAND ALL LOADS TO BE IMPOSED WITHOUT EXCESSIVE STRESS, CREEP OR DEFLECTION.
7. ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, PIPES, SLEEVES, ETC. SHALL BE SECURELY POSITIONED IN THE FORMS BEFORE PLACING THE CONCRETE.
8. SEE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF PIPES, SLEEVES, PITS AND DETAILS NOT SHOWN ON THESE STRUCTURAL DRAWINGS. ALL DIMENSIONS ARE TO BE CHECKED AND VERIFIED WITH THE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS.
9. MINIMUM EMBEDMENT FOR ANCHOR BOLTS IN CONCRETE SHALL BE 9", UNLESS SPECIFICALLY NOTED OTHERWISE.
10. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER AT LEAST 2 DAYS PRIOR TO POURING ANY STRUCTURAL CONCRETE SO THAT HE MAY HAVE THE OPPORTUNITY OF REVIEWING THE WORK PRIOR TO PLACEMENT.
11. BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE PERFORMED IN THE SHOP.

12. REINFORCING BAR SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS. MINIMUM SPLICE LENGTH FOR REINFORCING STEEL BARS IN MASONRY SHALL BE 48 BAR DIAMETERS, 24" MINIMUM. MINIMUM SPLICE LENGTH FOR REINFORCING STEEL BARS IN CONCRETE SHALL BE AS PER ACI 318. LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS. STAGGER ALL SPLICES UNLESS NOTED OTHERWISE ON PLANS.

13. WHERE WELDING OF REINFORCING IS APPROVED BY THE STRUCTURAL ENGINEER, IT SHALL BE DONE BY AWS CERTIFIED WELDERS USING E90XX OR APPROVED ELECTRODES. WELDING PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF STRUCTURAL WELDING CODE-REINFORCING STEEL, AWS-D1.4, LATEST REVISION. REINFORCING BARS TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-706.

E. REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A-615 GRADE 60, UNLESS OTHERWISE NOTED. USE ASTM A-706 FOR ALL WELDED APPLICATIONS.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WELDED WIRE TO BE SUPPLIED IN FLAT SHEETS ONLY.
3. ALL BARS SHALL HAVE A MINIMUM "LAP SPLICE" OR "DEVELOPMENT LENGTH" PER APPROPRIATE TABLES ON THIS SHEET, UNLESS OTHERWISE NOTED.
4. REINFORCING SPACINGS GIVEN ARE MAXIMUM ON CENTER AND ALL REINFORCING IS CONTINUOUS UNLESS OTHERWISE NOTED.
5. ALL REINFORCING STEEL SHALL BE SECURELY WIRED AND PROPERLY SUPPORTED ABOVE GROUND AND AWAY FROM THE FORM.
6. REINFORCING BAR FABRICATION LAPS AND PLACING SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE OF THE WESTERN CONCRETE REINFORCING STEEL INSTITUTE, UNLESS OTHERWISE NOTED ON DRAWINGS.
7. DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH THE SAME SIZE REINFORCING. (U.O.N.)
8. SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART.
9. SPLICE CONTINUOUS BARS IN SPANDRELS, GRADE BEAMS, WALL BEAMS, ETC. AS FOLLOWS: TOP BARS AT MID-SPAN. BOTTOM BARS AT CENTERLINE SUPPORT (U.O.N.)

F. MASONRY NOTES

1. SPECIAL MASONRY INSPECTION IS NOT REQUIRED FOR BLOCK INSTALLATION.
2. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO CBC SECTION 2102 TYPE I OR TYPE II, AND SHALL BE ENTIRELY OF ONE MANUFACTURE.
3. WATER USED FOR MORTAR AND GROUT SHALL BE CLEAN AND FREE FROM DELETERIOUS AMOUNTS OF ACIDS, SALTS, ALKALI, AND ORGANIC MATERIALS.
4. HYDRATED LIME SHALL CONFORM TO CBC SECTION 2102.
5. AGGREGATES: SAND FOR MORTAR SHALL CONFORM TO ASTM C-144 EXCEPT THAT NOT LESS THAN 3% OF THE SAND SHALL PASS THE NUMBER 100 SIEVE. SAND AND PEA GRAVEL FOR GROUT SHALL CONFORM TO ASTM C-404-61, TABLE 1, COARSE AGGREGATE, EXCEPT WHEN OTHER GRADINGS ARE SPECIFICALLY APPROVED BY THE ENGINEER.
6. CONCRETE MASONRY UNITS SHALL BE HOLLOW, SUITABLE FOR BEARING WALL CONSTRUCTION. ALL BLOCKS SHALL BE GRADE N-1 AND CONFORM TO CBC SECTION 2102. IN ADDITION, UNITS SHALL HAVE A LINEAR SHRINKAGE OF 0.065% MAXIMUM FROM SATURATED TO THE OVEN DRY CONDITION. MASONRY UNITS SHALL HAVE CURED FOR NOT LESS THAN 28 DAYS WHEN PLACED IN THE STRUCTURE. BLOCKS COLOR SHALL BE APPROVED BY THE ARCHITECT. NET COMPRESSIVE STRESS OF MASONRY UNITS SHALL BE 1900 PSI (F'm OF GROUT, BLOCK, AND MORTAR ASSEMBLY= 1500 PSI.)
7. ADMIXTURES: THE USE OF ADMIXTURES SHALL NOT BE PERMITTED IN MORTAR OR GROUT UNLESS SUSTAINING DATA HAS BEEN SUBMITTED TO AND APPROVED BY THE ENGINEER. THE USE OF ADMIXTURES IN MORTAR SHALL BE ONLY AS APPROVED BY THE ENGINEER. THE USE OF UNCONTROLLED FIRE CLAY, DIRT, AND OTHER DELETERIOUS MATERIALS IS PROHIBITED.
8. MORTAR SHALL BE TYPE "S", 1800 psi MINIMUM
9. GROUT SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 2000 psi AT 28 DAYS. APPROVED ADMIXTURES MAY BE ADDED TO THE GROUT. COARSE GROUT SHALL BE USED IN ALL GROUT SPACES 2" OR MORE IN WIDTH AND ALL FILLED CELL CONSTRUCTION.
10. GROUT FOR PUMPING SHALL BE FLUID CONSISTENCY AND SHALL NOT HAVE LESS THAN 7 SACKS OF CEMENT IN EACH CUBIC YARD OF GROUT. THE MIX SHALL BE AS APPROVED BY ENGINEER. FLUID CONSISTENCY SHALL MEAN A CONSISTENCY AS FLUID AS POSSIBLE FOR POURING, WITHOUT SEGREGATION OF THE CONSTITUENT PARTS.
11. ALIGNMENT OF VERTICAL CELLS: ALL MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED. THE VERTICAL ALIGNMENT SHALL BE SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED VERTICAL FLUE MEASURING NOT LESS THAN 3" BY 3", EXCEPT WHERE OPEN END UNITS ARE USED.
12. LAYING: IN PLACING MORTAR IN HORIZONTAL JOINTS, COMPLETELY COVER THE FACE SHELLS OF THE UNITS WITH MORTAR, SOLIDLY FILL ALL HEAD JOINTS. LAY ALL MASONRY IN COMMON BOND. HOLD RACKING TO A MINIMUM. NO TOOTHING SHALL BE ALLOWED.
13. REINFORCEMENT SHALL BE FULLY EMBEDDED IN GROUT AND SHALL BE MECHANICALLY SECURED TO INSURE PROPER LOCATION (DURO WALL OR EQUAL) AND REINFORCEMENT SHALL NOT BE BEDDED IN MORTAR OR MORTAR JOINTS. PLACE THE VERTICAL STEEL PRIOR TO LAYING THE WALL. SEE STRUCTURAL NOTES AND DETAILS FOR SIZE, GRADE, LAPS, ETC.
14. CONSTRUCTION JOINTS: WHEN GROUTING IS STOPPED FOR A PERIOD OF ONE HOUR OR LONGER, FORM HORIZONTAL CONSTRUCTION JOINTS BY STOPPING THE GROUT POUR 2" MINIMUM BELOW THE UPPERMOST UNIT.
15. DEFECTIVE UNITS: DO NOT USE CHIPPED OR CRACKED BLOCKS. IF ANY SUCH BLOCKS ARE DISCOVERED IN ANY FINISHED WALL, THEY SHALL BE PROMPTLY REMOVED AND REPLACED WITH NEW BLOCKS TO THE APPROVAL OF THE ENGINEER.

16. WALL CLEANING AND PROTECTION: REMOVE CONCRETE SCUM AND GROUT STAINS ON THE WALL IMMEDIATELY. AFTER THE WALL IS CONSTRUCTED, DO NOT SATURATE WITH WATER FOR CURING OR ANY OTHER PURPOSE. CHECK ALL JOINTS FOR TIGHTNESS AND WHERE CRACKS ARE VISIBLE, CHIP OUT THE MORTAR. TUCK POINT AND TOOL TO MATCH ADJACENT JOINTING.

G. CONSTRUCTION JOINTS

1. ALL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE W/ CBC SECTION 1906.4 AND THE TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON THE STRUCTURAL DRAWINGS.
- ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE DUST, CHIPS, OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE.
- THE CONTRACTOR SHALL SUBMIT THE PROPOSED LOCATIONS OF CONSTRUCTION JOINTS TO THE ENGINEER FOR APPROVAL BY THE STRUCTURAL ENGINEER BEFORE STARTING CONSTRUCTION.

H. DRILLED IN ADHESIVE ANCHORS IN CONCRETE

1. ALL ADHESIVE ANCHORS SPECIFIED SHALL BE HILTI BRAND HY-150 (ICBO No. 5193) OR AN APPROVED EQUAL BY THE ENGINEER OF RECORD.
2. DRILLED-IN ADHESIVE ANCHORS SHALL BE TENSION TESTED IN ACCORDANCE WITH THE FOLLOWING:
- a) 5%: WHERE USED FOR NON-STRUCTURAL COMPONENTS.
- b) 10%: WHERE USED FOR STRUCTURAL APPLICATIONS SUCH AS DOWELING OF CMU WALLS.
3. THE TENSION TESTING OF THE ANCHORS SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY. IF ANY ANCHORS FAIL THE TENSION-TESTING REQUIREMENTS, ADDITIONAL TESTING REQUIREMENTS ACCEPTABLE TO THE ENFORCEMENT AGENCY SHALL BE MADE.

J. STRUCTURAL OBSERVATION

1. STRUCTURAL OBSERVATION WILL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD OR DESIGNEE IN ACCORDANCE WITH SECTIONS 1702 OF THE CBC.
2. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVAION OF THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETED STRUCTURAL FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR.
3. THE CONTRACTOR SHALL COORDINATE AND CALL FOR A PRE-CONSTRUCTION MEETING BETWEEN THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, STRUCTURAL OBSERVER, CONTRACTOR, AFFECTED SUBCONTRACTORS, BUILDING AND DEPUTY INSPECTORS. THE PURPOSE OF THE MEETING SHALL BE TO IDENTIFY THE MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS THAT AFFECT THE VERTICAL AND LATERAL LOAD SYSTEMS OF THE STRUCTURE AND TO REVIEW SCHEDULING OF THE REQUIRED OBSERVATIONS.
4. THE STRUCTURAL OBSERVER SHALL PERFORM SITE VISITS AT THOSE STEPS IN THE PROGRESS OF THE WORK THAT ALLOW FOR CORRECTION OF DEFICIENCIES WITHOUT SUBSTANTIAL EFFORT OR UNCOVERING OF THE WORK INVOLVED. AT A MINIMUM, THE FOLLOWING SIGNIFICANT CONSTRUCTION STAGES REQUIRE A SITE VISIT.

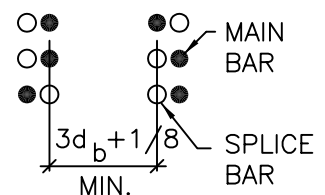
CONSTRUCTION STAGES	ELEMENTS/CONNECTIONS TO BE OBSERVED
A) FOUNDATIONS	REINF / DOWELS / ANCHORS
B) CONCRETE	REINF / DOWELS / SPLICES

REINFORCEMENT DEVELOPMENT LENGTH & SPLICE TABLES (GR 60 EXCEPT AS NOTED)										
REINFORCEMENT DEVELOPMENT LENGTHS (LENGTH IN INCHES)										
REINFORCED CONCRETE f'c = 2500 PSI AT 28 DAYS										
REINF LOCATION	#3 GR40	#4	#5	#6	#7	#8	#9	#10	#11	
TOP	16	32	39	47	69	78	88	100	110	
OTHER	12	24	30	36	53	60	68	77	85	
REINFORCED CONCRETE f'c = 3000 PSI AT 28 DAYS										
REINF LOCATION	#3 GR40	#4	#5	#6	#7	#8	#9	#10	#11	
TOP	15	29	36	43	63	72	81	91	101	
OTHER	12	22	28	33	48	55	62	70	78	
REINFORCED CONCRETE f'c = 4000 PSI AT 28 DAYS										
REINF LOCATION	#3 GR40	#4	#5	#6	#7	#8	#9	#10	#11	
TOP	13	25	31	37	54	62	70	79	87	
OTHER	12	19	24	29	42	48	54	61	67	
FOR 3500 PSI CONCRETE, USE DEVELOPMENT LENGTHS AS REQUIRED FOR 3000 PSI CONCRETE										
REINFORCED MASONRY f'm = 1500 PSI (CONCRETE BLOCK)										
	#3 GR40	#4	#5	#6	#7	#8	#9	#10	#11	
	18	24	30	36	42	48	55	61	68	

REINFORCEMENT LAP SPLICES (LENGTHS IN INCHES)										
REINFORCED CONCRETE f'c = 2500 PSI AT 28 DAYS										
REINF LOCATION	#3 GR40	#4	#5	#6	#7	#8	#9	#10	#11	
TOP	21	42	51	62	90	102	115	130	143	
OTHER	16	32	39	47	69	78	89	101	111	
REINFORCED CONCRETE f'c = 3000 PSI AT 28 DAYS										
REINF LOCATION	#3 GR40	#4	#5	#6	#7	#8	#9	#10	#11	
TOP	20	38	47	56	82	94	106	119	132	
OTHER	16	29	37	43	63	72	81	91	102	
REINFORCED CONCRETE f'c = 4000 PSI AT 28 DAYS										
REINF LOCATION	#3 GR40	#4	#5	#6	#7	#8	#9	#10	#11	
TOP	17	33	41	49	71	81	91	103	114	
OTHER	16	25	32	38	55	63	71	80	88	
FOR 3500 PSI CONCRETE, LAP BARS AS REQUIRED FOR 3000 PSI CONCRETE										
REINFORCED MASONRY f'm = 1500 PSI (CONCRETE BLOCK)										
	#3 GR40	#4	#5	#6	#7	#8	#9	#10	#11	
	18	24	30	36	42	*	*	*	*	
* SPLICED BY WELDING OR MECHANICAL CONNECTORS.										

TOP REINFORCING IS HORIZONTAL REINFORCEMENT THAT HAS MORE THAN TWELVE INCHES OF CONCRETE PLACED BELOW IT.

USE WELDED SPLICE OR MECHANICAL CONNECTOR IF THE LAP SPLICE REINFORCEMENT DOES NOT HAVE A MINIMUM SPACING 3d_b+1/8 INCHES AND A MINIMUM COVER OF d_b+1/8 INCHES



WELDED SPLICE (DIRECT BUTT SPLICES-FULL PENETRATION)

#5 AND SMALLER SINGLE-BEVEL GROOVE WELD #6 AND LARGER DOUBLE-BEVEL GROOVE WELD WELDS SHALL HAVE THE ABILITY TO DEVELOP 125 PERCENT OF THE YIELD STRENGTH FOR THE SPLICED REINFORCEMENT (75 KSI)

MECHANICAL CONNECTORS MECHANICAL CONNECTORS SHALL BE TENSION-COMPRESSION TYPE WITH THE ABILITY TO DEVELOP 125 PERCENT OF THE YIELD STRENGTH FOR THE SPLICED REINFORCEMENT (75KSI). ALSO, MECHANICAL CONNECTORS SHALL HAVE AND BE INSTALLED PER AN EVALUATION REPORT FROM ICC EVALUATION SERVICE, INC.

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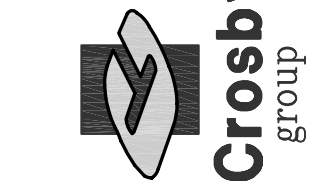
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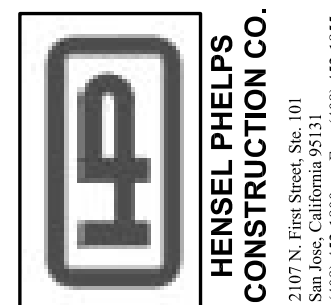
CENTRAL SERVICE YARD PHASE II PROJECT



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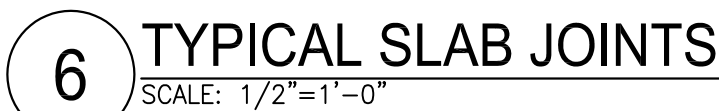
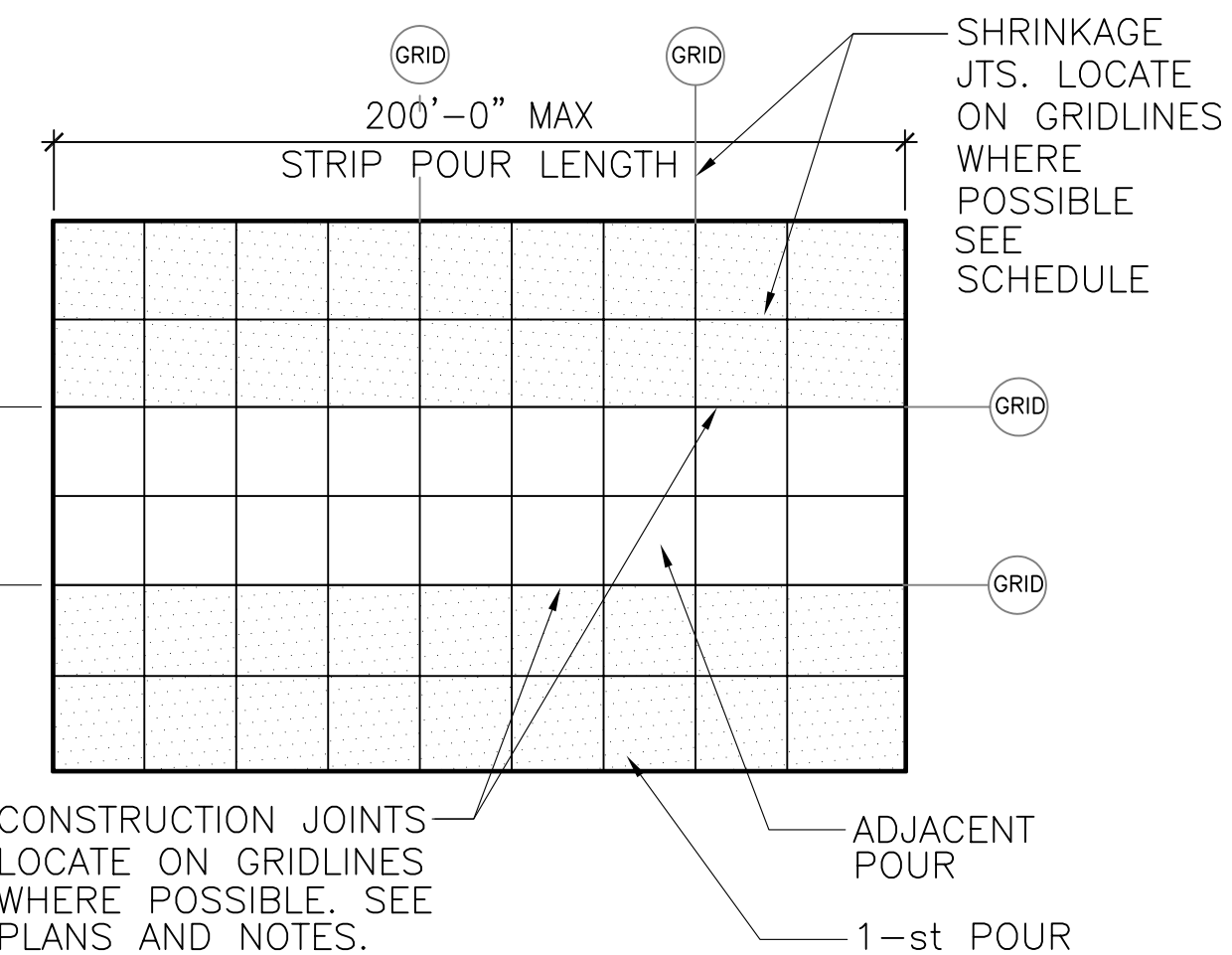
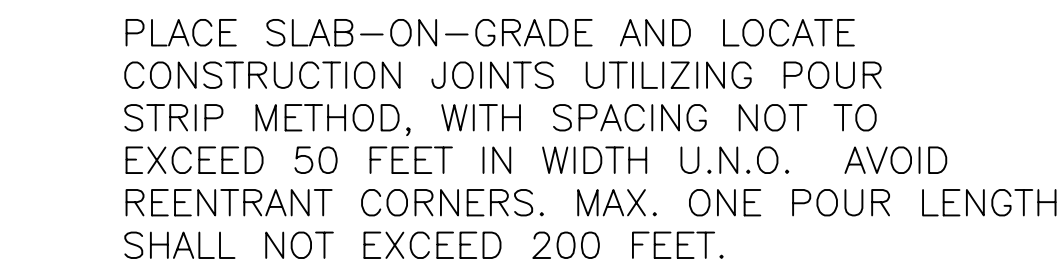
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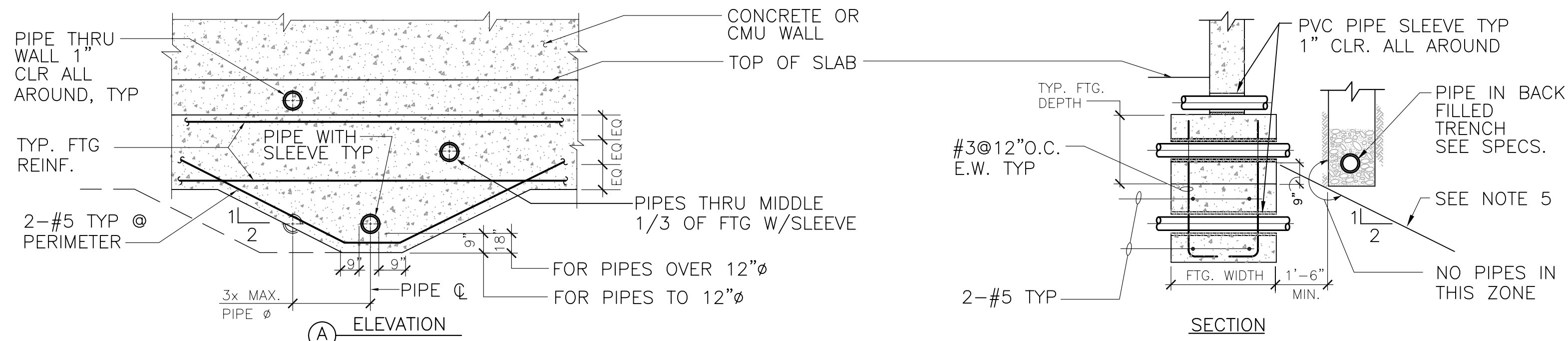
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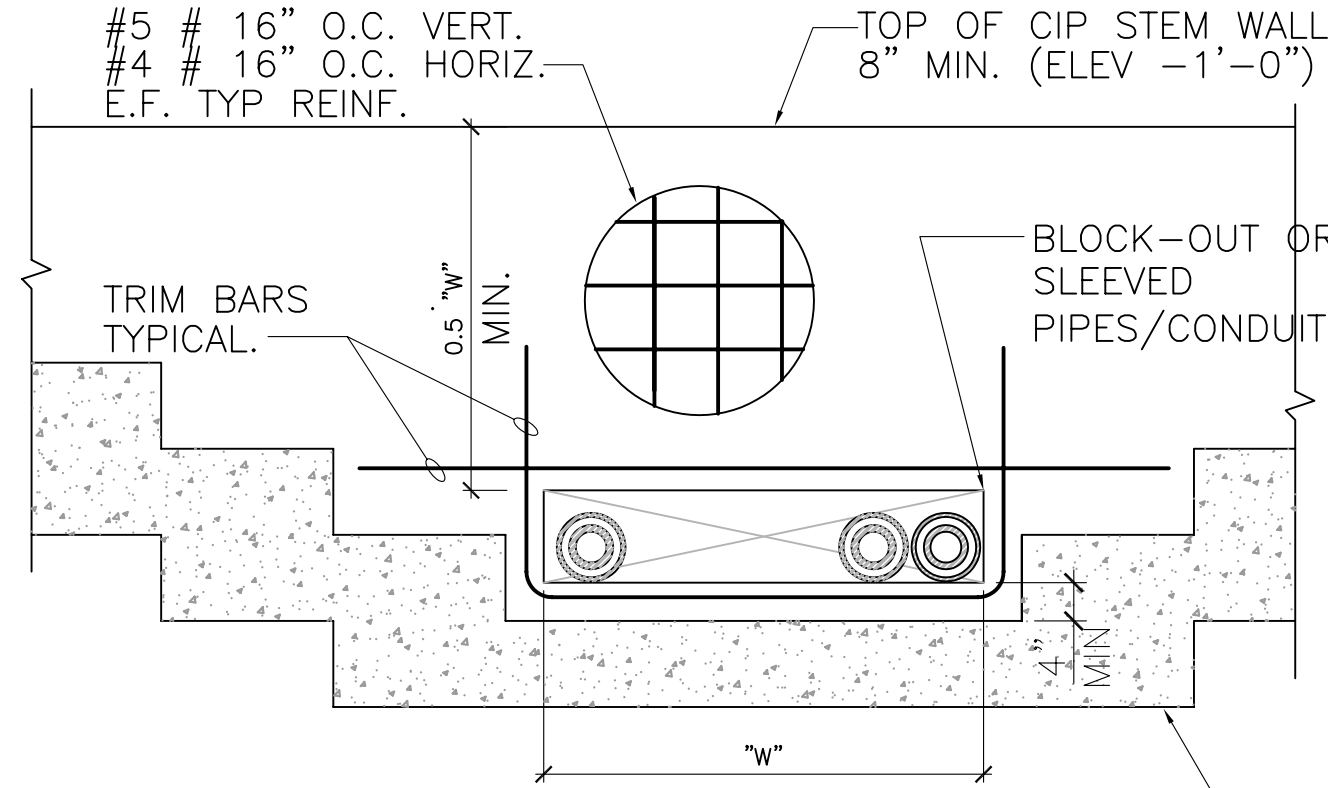


- NOTES:
1. DEPTHS OF FOOTINGS MAY BE DETERMINED BY LOCATION OF CONDUIT AND METAL PIPING. ALL METAL PIPES SHALL RUN THROUGH METAL SLEEVES AND SHALL HAVE 1" CLR ALL AROUND.
 2. WHERE ϕ METAL PIPES CROSS UNDER FOOTINGS WITHIN 3 FT (ELECT. CONDUIT 2 FT) OF THE BOTTOM, FOUNDATIONS SHALL BE EXTENDED DOWNWARDS AND CONCRETE PLACED ACCORDING TO ELEVATION A ABOVE. SEE NOTES 3 & 5 FOR ANY EXCEPTIONS.
 3. WHERE ϕ METAL PIPES CROSS UNDER FOOTINGS WITHIN 3 FT (ELECT. CONDUIT 2 FT) OF THE BOTTOM, FOUNDATIONS SHALL BE STEPPED AND DETAIL 1/- FOLLOWED IF ANY OF THE FOLLOWING CONDITIONS ALSO EXIST (UNLESS OTHERWISE AUTHORIZED BY EOR).
 - a) THERE ARE MULTIPLE PIPES WHERE THE ϕ SPACING BETWEEN PIPES IS LESS THAN 3 TIMES THE DIAMETER OF THE LARGER PIPE SLEEVE.
 - b) THERE ARE PIPE SLEEVES 12"Ø OR LARGER.
 4. PIPES OR CONDUIT RUNNING PARALLEL TO FOOTINGS SHALL NOT PASS BELOW OR WITHIN THE 1:2 INFLUENCE OF ANY CONTINUOUS OR ISOLATED FOOTINGS. FOUNDATION SHALL BE STEPPED AND LOWERED AND DETAIL 1/- FOLLOWED WHERE SUCH A CONDITION EXISTS.
 5. WHERE GROUPS METAL PIPES OR ELECT CONDUIT WITH A COMBINED WIDTH GREATER THAN 5 FT CROSS UNDER FOOTINGS LESS THAN 5 FT BELOW THE BOTTOM. THE FOOTINGS SHALL BE STEPPED AND DETAIL 1/- FOLLOWED.
 6. ALL ELECT CONDUIT PASSING THROUGH CONCRETE FOOTINGS SHALL BE WRAPPED IN 1/2" THICK FOAM.

10 PIPE @ FOOTING DETAIL

N.T.S.

METAL PIPES OR CONDUIT SHALL NOT PASS VERTICALLY THROUGH THE FOOTINGS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ENGINEER OF RECORD.



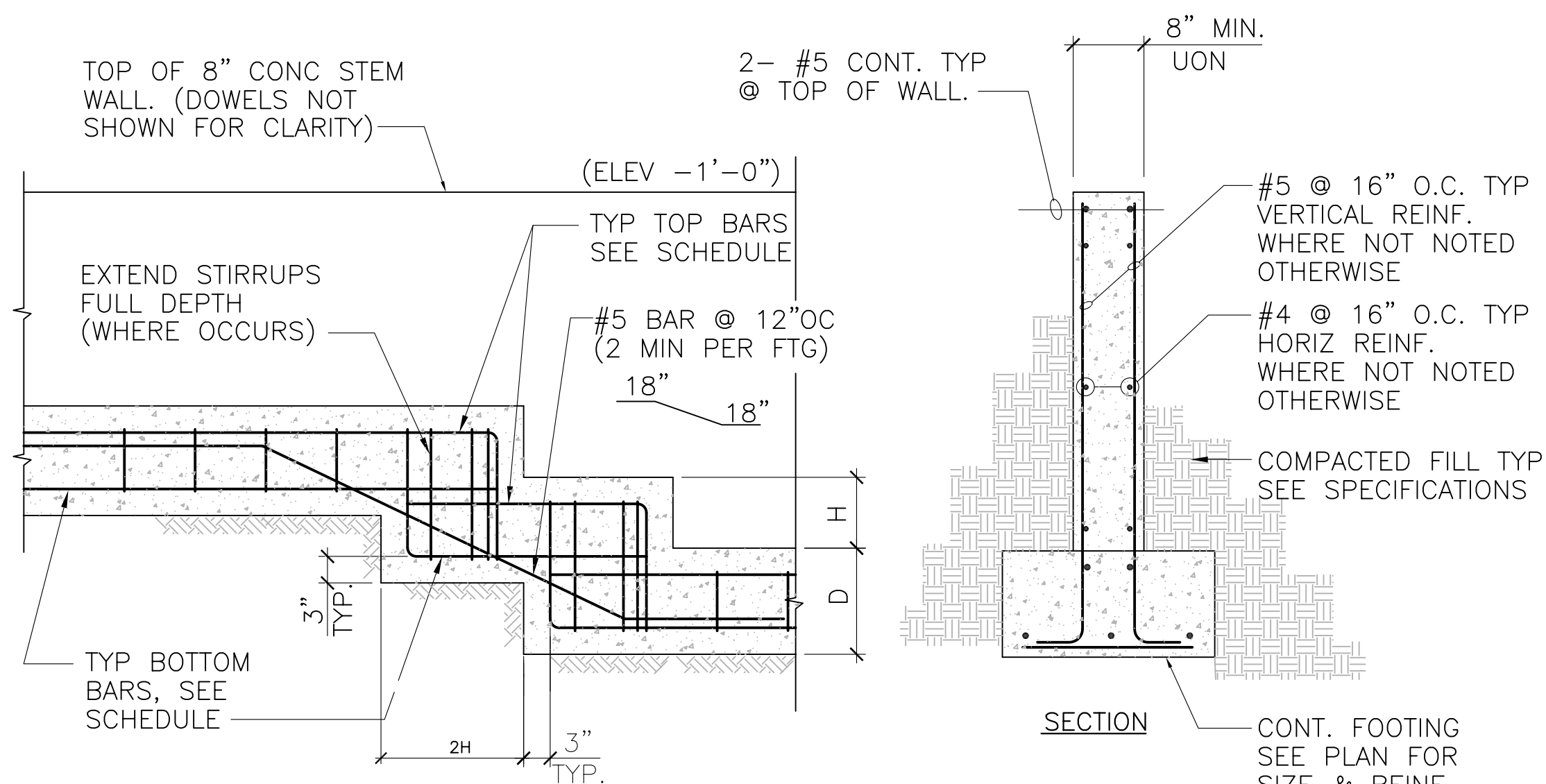
TRIM BAR SCHEDULE		
WIDTH "W"	HORIZ.	VERT.
6 FT (MAX)	2-#4	2-#4
8 FT (MAX)	2-#5	2-#4
12 FT (MAX)	2-#6	2-#5

STEPPED FOOTING AS REQUIRED PER DETAIL 11/-.

1 ELEVATION @ PIPING PENETRATIONS

N.T.S.

- NOTES:
1. H = FTG STEP (18" MAX)
 2. D = FTG DEPTH (SEE SCHEDULE)
 3. SEE PLANS & DETAIL 1/- FOR AREAS REQUIRING STEP FOOTINGS.

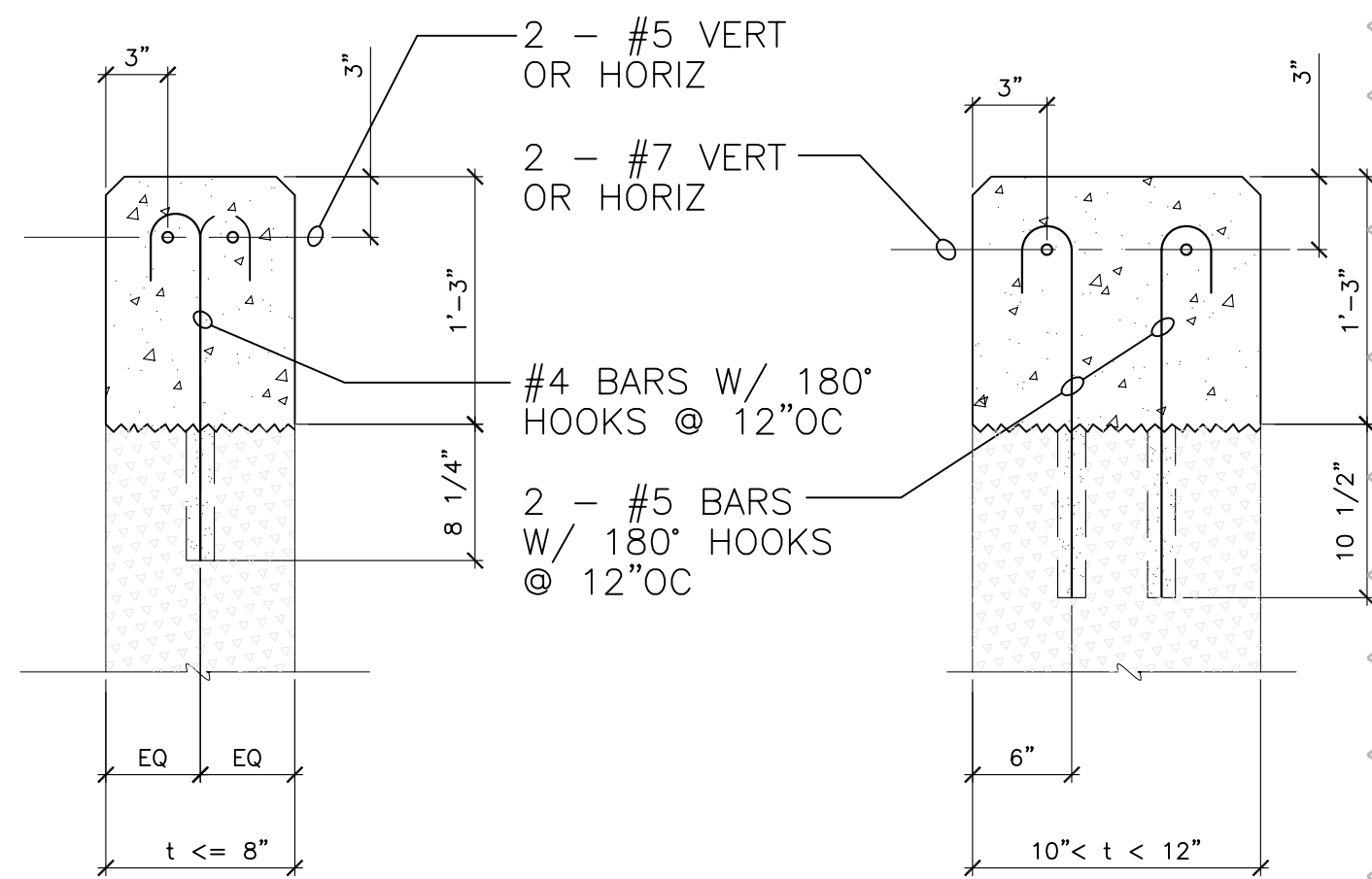


11 STEPPED FOOTING DETAIL

N.T.S.

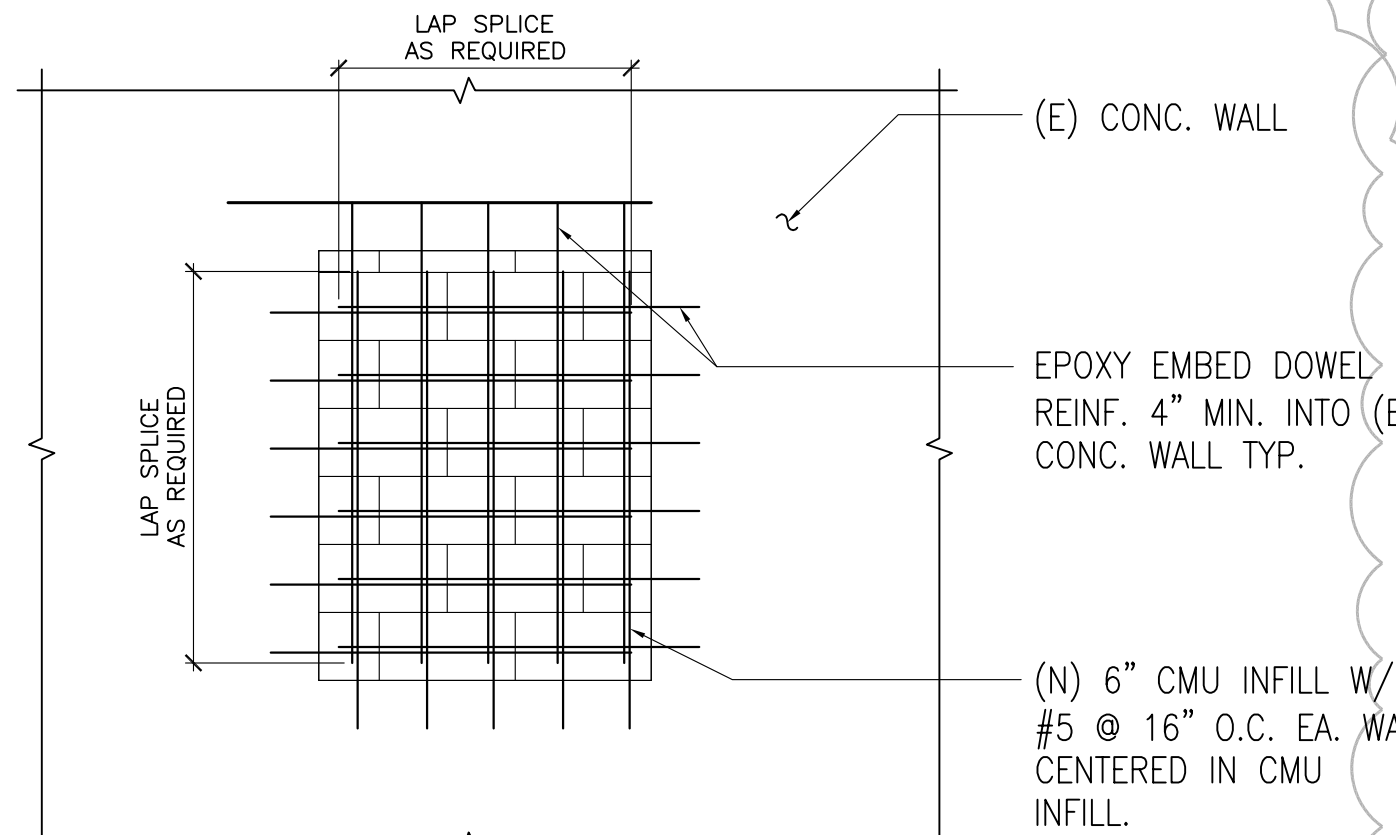
NOTES:

- 1) CONCRETE STRENGTH OF ALL NEW JAMB & HEADERS SHALL BE $f'c=4000$ PSI
- 2) CLEAN & ROUGHEN ALL (E) CONCRETE SURFACES 1/8" MINIMUM.
- 3) DO NOT OVERCUT OPENINGS. DRILL AT CORNERS & CHIP (E) CONCRETE AS REQUIRED.
- 4) ALL (N) DOWELS SHALL BE GRADE 60 & EMBEDDED AS SHOWN WITH HILTI HY150 ADHESIVE PER THE MANUFACTURER'S RECOMMENDATIONS. (ICBO# 5193)



6 SECTION @ JAMB & LINTELS

N.T.S.



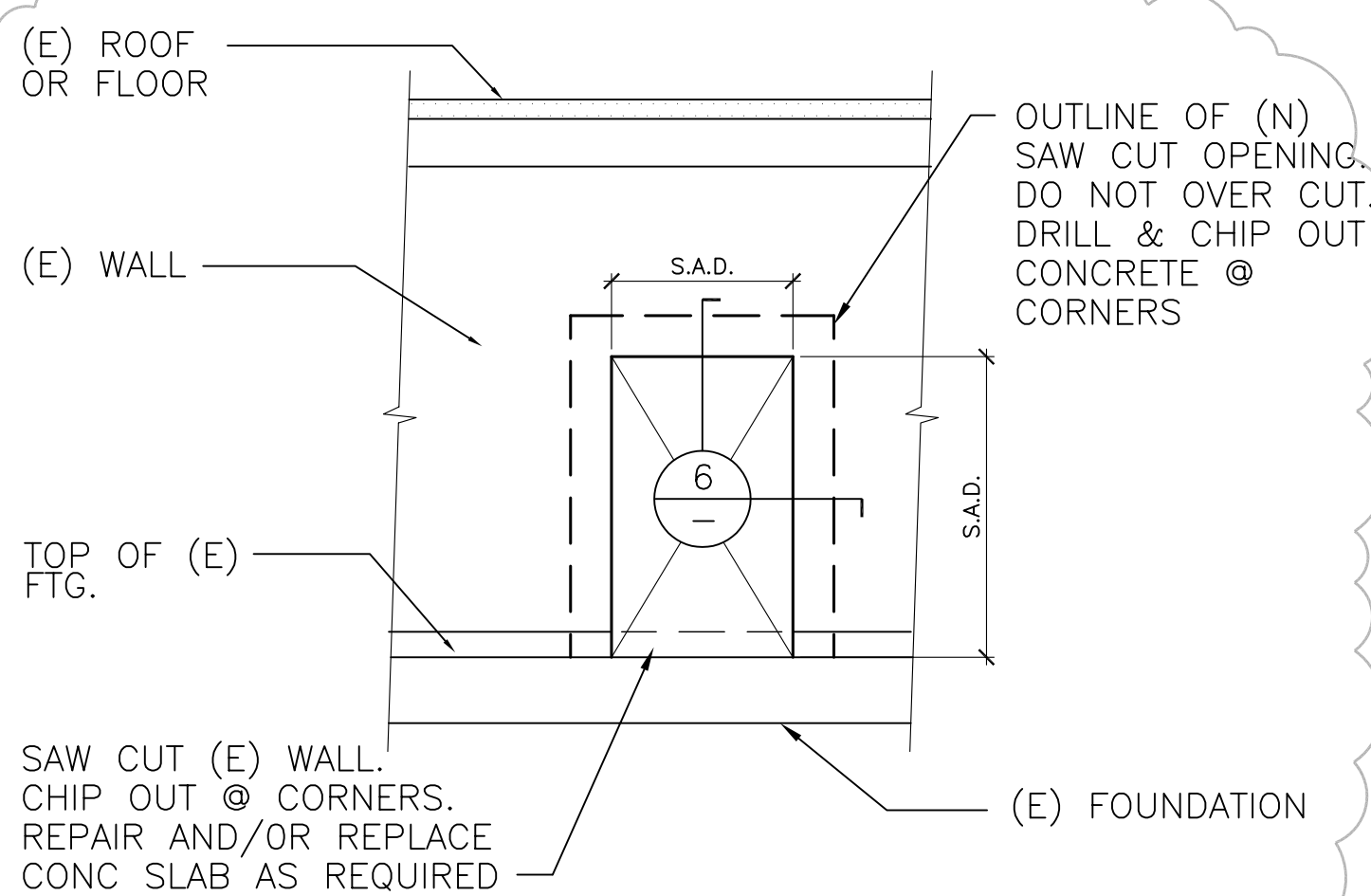
NOTE: S.A.D. FOR LOCATION & EXTENT OF INFILL TYP.

9 INFILL @ (E) CONC WALL

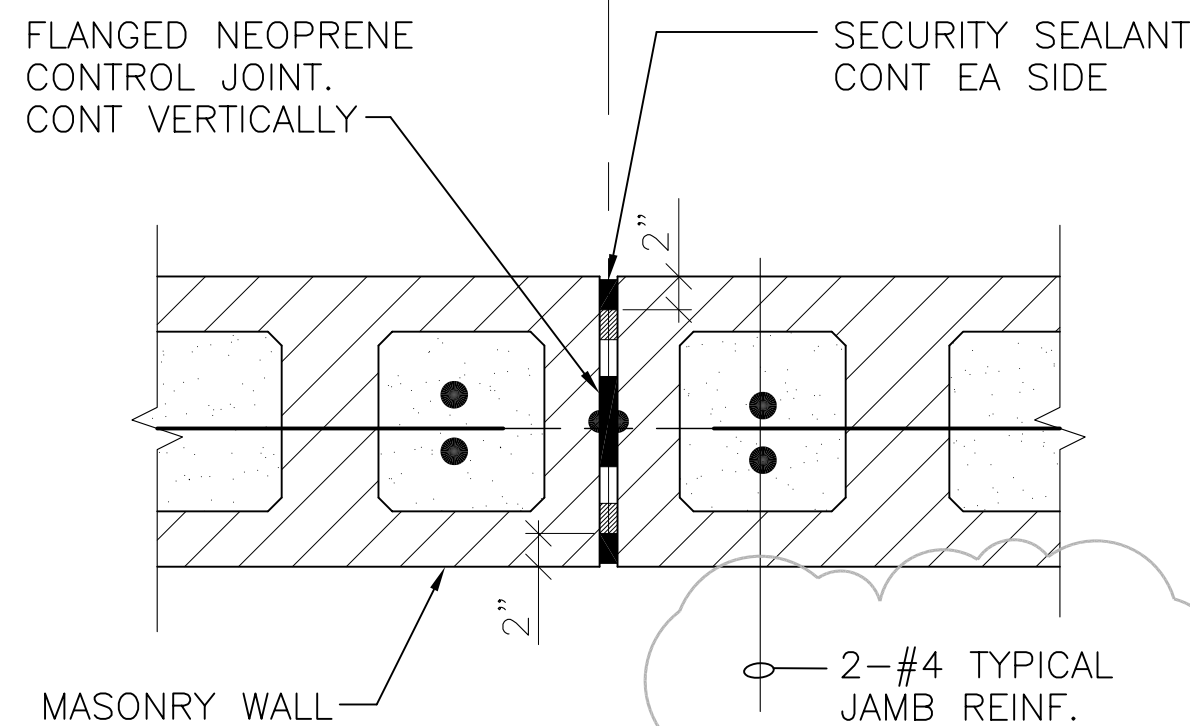
N.T.S.

2 ELEVATION @ (N) DOOR OPENING

N.T.S.



NOTE: CONTRACTOR TO LOCATE CONTROL JOINTS 30'-0" O.C. MAX.



3 CMU CONTROL JOINTS

N.T.S.

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CENTRAL SERVICE YARD PHASE II PROJECT

CITY OF SAN JOSE
CAPITAL OF SILICON VALLEY
DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
SAN JOSE, CA 95113
VOICE: (408) 353-5371 FAX: (408) 353-5288



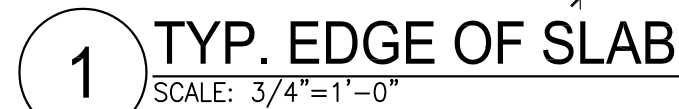
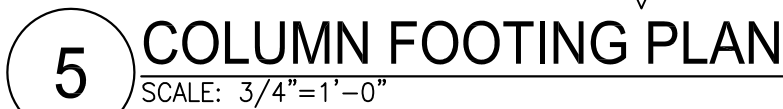
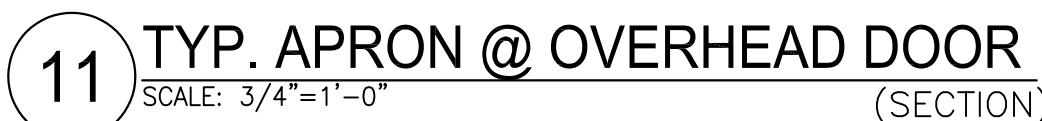
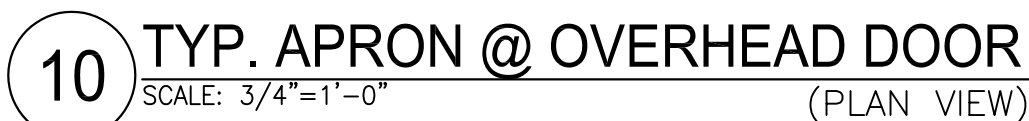
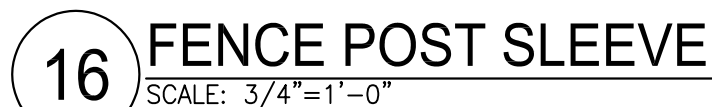
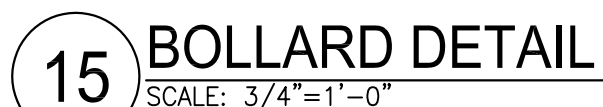
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San Jose, California 95131
(408) 932-1800 Fax: (408) 932-1855



DRAWING TITLE: GENERAL FOUNDATION AND MASONRY DETAILS

DRAWN BY: AY
PROJECT # 200525.000
SHEET NUMBER

S1.02



CENTRAL SERVICE YARD
PHASE II PROJECT

 CITY OF
SAN JOSE
CAPITAL OF SILICON VALLEY

 **Crosby**
group

**Structural
Engineering**

728 Main St.,
Redwood City,
CA 94063
tel. (650) 367-8100
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Bradburn**
ARCHITECTS LTD.
Architecture • Interiors • Planning
421 Broadway (303) 722-5000
Denver, Colorado 80203 Fax: (303) 722-5080

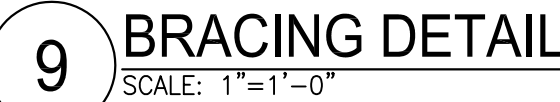


**HENSEL PHELPS
CONSTRUCTION CO.**
07 N. First Street, Ste. 101
San Jose, California 95131
(408) 452-1800 Fax: (408) 452-1855

DRAWING TITLE: SECTIONS & DETAILS	
DRAWN BY: AY	
PROJECT #	200525.000
SHEET NUMBER	

S6.1





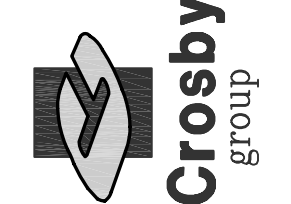
CENTRAL SERVICE YARD
PHASE II PROJECT



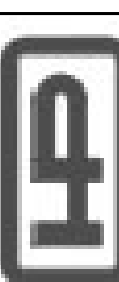
PROJECT ADDRESS:
1661 SENTER ROAD
SAN JOSE, CALIFORNIA

PROJECT NO: 684
DEPT FILE NO:

DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
1000 E. SANTA CLARA STREET
SAN JOSE, CA 95113
PROJECT MANAGER: MARY FOLLENWEIDER
VOICE: (408) 535-8371 FAX: (408) 292-6288



**Fentress
Bradburn**
A R C H I T E C T S L T D.
Architecture • Interiors • Planning
421 Broadway
Denver, Colorado 80203
(303) 722-5000
Fax: (303) 722-5080



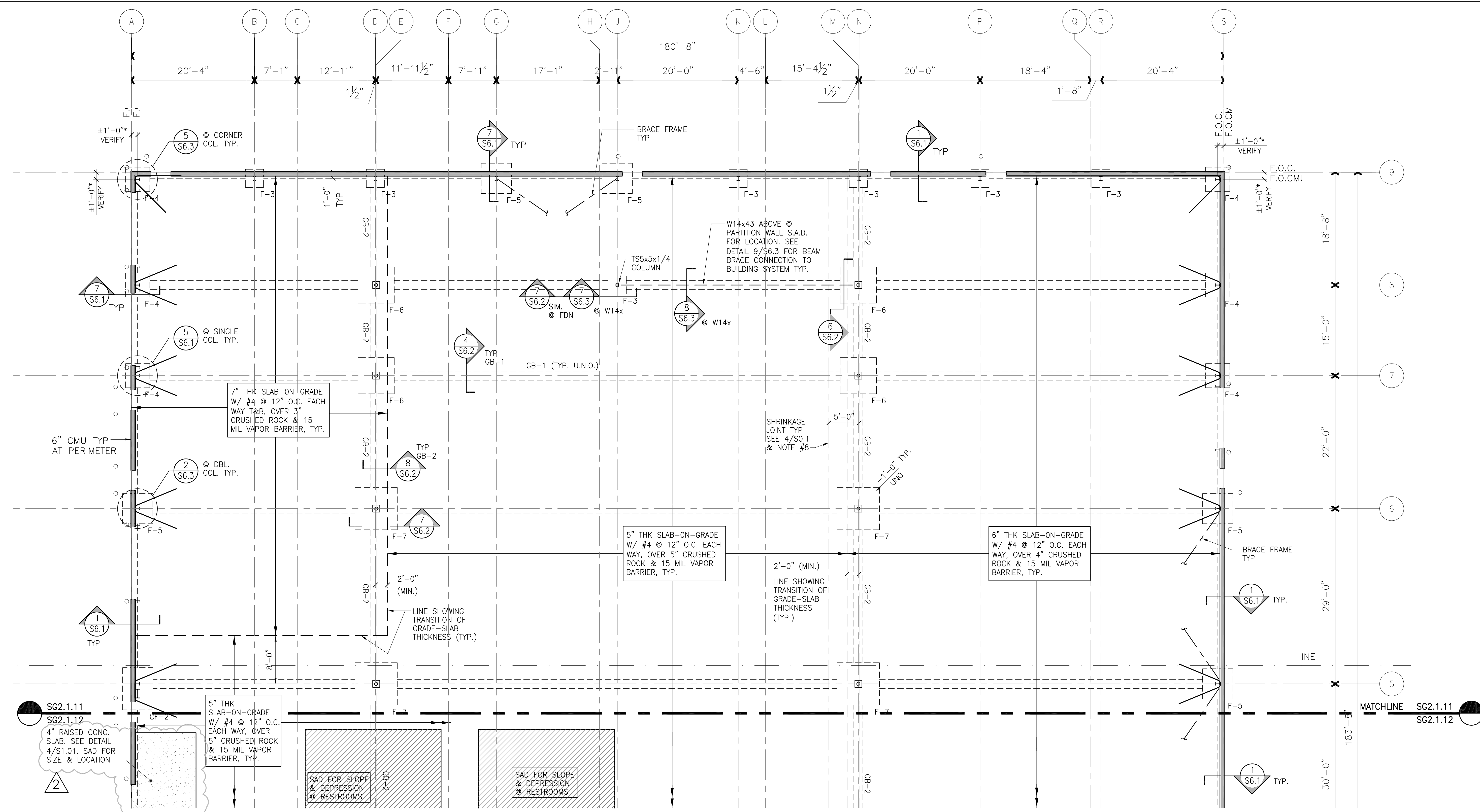
DRAWING TITLE:
SECTIONS & DETAILS

DRAWN BY: AY

PROJECT # 200525.000

SHEET NUMBER

S6.3



FOUNDATION NOTES:

- VERIFY ALL DIMENSIONS, ELEVATIONS, COLUMN GRIDS AND INTERIOR AND EXTERIOR GRADES WITH ARCHITECTURAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION.
- SEE DRAWINGS OTHER THAN STRUCTURAL FOR FLOOR FINISHES, SLOPES, DEPRESSIONS, PENETRATIONS, CURBS AND OTHER FEATURES.
- SEE SPECIFICATIONS AND SOILS REPORT FOR REQUIREMENTS OF SUBGRADES.
- SEE ARCHITECTURAL DRAWINGS FOR EXTERIOR PADS AT DOORS, MECHANICAL EQUIPMENT PADS, FENCES AND OTHER CONSTRUCTION ADJACENT TO BUILDING.
- INDICATES TOP OF FOOTING ELEVATION BELOW FINISH FLOOR (REF. +0'-0").
- STRUCTURAL CALCULATION AND SHOP DRAWING FOR METAL BUILDING SHALL BE SIGNED BY CALIFORNIA LICENSED PROFESSIONAL ENGINEER AND SUBMITTED FOR REVIEW PRIOR TO ANY FOUNDATION EXCAVATION.
- FOR BUILDING COORDINATE, AND APPROVED POINT SEE SITE LAYOUT SHEETS.
- LOCATE ALL CONSTRUCTION & SHRINKAGE JOINTS 5'-0" MIN OFF OF GRIDLINES.

ROOF FRAMING NOTES:

- VERIFY ALL DIMENSIONS, ELEVATIONS, COLUMN GRIDS AND INTERIOR AND EXTERIOR GRADES WITH ARCHITECTURAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION.
- SEE DRAWINGS OTHER THAN STRUCTURAL FOR ROOF AND WALL FINISHES, SLOPES, DEPRESSIONS, CURBS AND EQUIPMENT SUPPORTED ON THE ROOF AND/OR SUSPENDED BELOW THE ROOF.
- SEE SPECIFICATIONS, GENERAL NOTES AND TYPICAL DETAILS FOR FRAMING REQUIREMENTS.
- PRE-ENGINEERED BUILDING SUPPLIER SHALL DESIGN AND PROVIDE ALL SUPPORT FRAMING FOR ATTACHED FIXTURES AND MECHANICAL UNITS SHOWN ON MECHANICAL, ELECTRICAL OR PLUMBING DRAWINGS. DESIGN SHALL BE SIGNED BY A CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA AND SUBMITTED FOR REVIEW WITH SHOP DRAWINGS.
- PRE-ENGINEERED BUILDING SUPPLIER SHALL PROVIDE BLOCKING BETWEEN ROOF PURLINS TO SUPPORT ALL FULL HEIGHT NONBEARING INTERIOR PARTITION WALLS. SEE ARCHITECTURAL DRAWINGS AND DETAILS 10/S6.2 AND 13/S6.2 THRU 16/S6.2.
- PRE-ENGINEERED BUILDING SUPPLIER SHALL PROVIDE RIGID FRAMES ON GRIDLINES 1 THRU 9 AND BETWEEN DOUBLE AND TRIPLE COLUMNS ON GRIDLINES A.

F.F. 0'-0" DENOTES FINISHED FLOOR ELEVATION.

DENOTES SLAB SLOPED TO DRAIN. SEE ARCHITECTURAL DRAWINGS.

DENOTES RECESSED SLAB. SEE ARCHITECTURAL DRAWINGS.

BUILDING COORDINATE POINT WHERE OCCURS

DENOTES FOOTING TYPE. SEE FOOTING SCHEDULE.

DENOTED GRADE BEAM TYP. SEE FOOTING SCHEDULE.

INDICATES PARTIAL HEIGHT CMU WALL SEE DETAIL 1/S6.1'.

FOOTING SCHEDULE				
MARK	SIZE	REINFORCING	DEPTH	REMARKS
F-3	3'-0"x3'-0"	3-#6 T&B E.W.	1'-6"	-
F-4	4'-0"x4'-0"	4-#6 T&B E.W.	1'-6"	-
F-5	5'-0"x5'-0"	5-#6 T&B E.W.	1'-6"	-
F-6	6'-0"x6'-0"	7-#6 T&B E.W.	2'-0"	-
F-7	7'-0"x7'-0"	8-#6 T&B E.W.	2'-0"	-
CF-1	6'-0"x4'-0"	#6@8" OC	2'-0"	-
CF-2	7'-0"x5'-0"	#6@8" OC	2'-0"	-
GB-1	1'-6" WIDE	3-#4 LONG T&B + #4@12" OC	1'-0"	SEE DET. 4/S6.2
GB-2	1'-6" WIDE	3-#5 LONG T&B + #4@12" OC STIRR.	2'-6"	SEE DET. 8/S6.2

PROJECT NORTH

1 ENLARGED FOUNDATION PLAN - AREA 1

SG2.1.11/SG2.0.01 SCALE: 1/8" = 1'-0"

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ISSUED FOR: DATE: PERMIT SET 24APR06

REGISTERED PROFESSIONAL ENGINEER
COLIN BLANTY
NO. S4377
EXP. 6/30/07
STRUCTURAL
STATE OF CALIFORNIA

CENTRAL SERVICE YARD
PHASE II PROJECT

PROJECT ADDRESS:
1691 SENTER ROAD
SAN JOSE, CALIFORNIA
PROJECT NO: 684
DEPT FILE NO:

CITY OF SAN JOSE
DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
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Crosby Group

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HENSEL PHELPS
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1000 California Street
San Jose, California 95131
(408) 535-1800 Fax: (408) 535-1855

DRAWING TITLE:
ENLARGED FOUNDATION
PLAN - BLDG G
AREA 1

DRAWN BY: AY

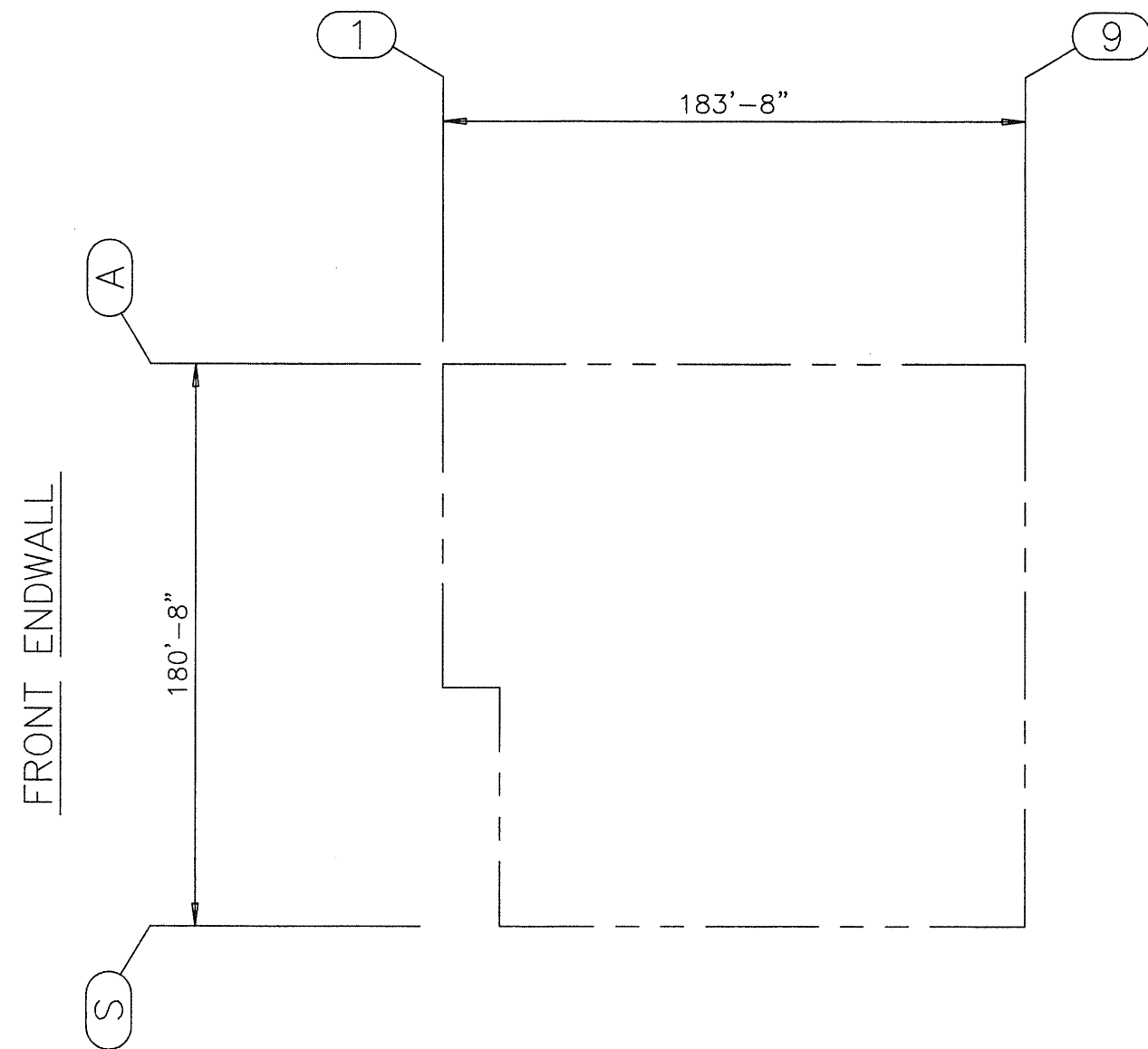
PROJECT # 200525.000

SHEET NUMBER

SG2.1.11

SG2.1.12

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KEY PLAN

SPECIFIC ERECTION DRAWING LIST

THE DRAWINGS LISTED BELOW HAVE BEEN CREATED BY COMPUTER SPECIFICALLY FOR YOUR ORDER TO ASSIST YOU IN PUTTING UP YOUR BUILDING. THESE SPECIFIC ERECTION DRAWINGS ARE THE SAME SIZE AS THIS SHEET AND CAN BE IDENTIFIED INDIVIDUALLY FROM THE TITLES AND DRAWING SEQUENCE NUMBERS THAT APPEAR IN THE LOWER RIGHT HAND CORNER OF EACH DRAWING.

DRAWING TITLE:	AG FILE NO.:
ROOF SECONDARY STRUCTURAL FRAMING PLAN	DATE: 02/16/83
DRAWING NUMBER:	REVISION
D 83-123456-05L	02

TITLE

THE YEAR DURING WHICH YOUR ORDER WAS ENTERED
THE BUTLER ORDER NUMBER OF YOUR ORDER

DRAWING SEQUENCE NUMBER

REVISION LEVEL OF THE DRAWING, IF THE DRAWING HAS NEVER BEEN REVISED, 00 APPEARS HERE.

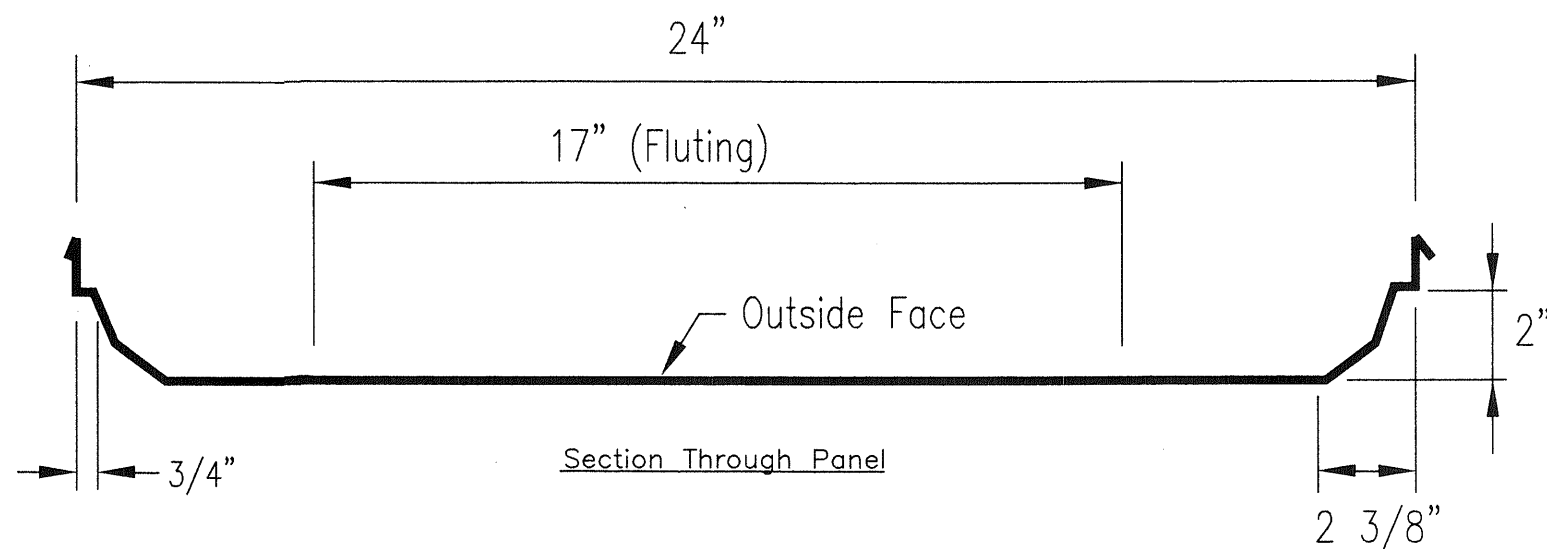
D06-136659-00 COVER DRAWING - SHEET 1

D06-136659-01 SPECIFIC ANCHOR BOLT DRAWING - SHEET 1
D06-136659-01A SPECIFIC REACTION DRAWING - SHEET 2
D06-136659-01B ANCHOR BOLT DETAIL SHEET - SHEET 3
D06-136659-02 CROSS SECTION ERECTION DRAWING - SHEET 1
D06-136659-02A CROSS SECTION ERECTION DRAWING - SHEET 2
D06-136659-02B CROSS SECTION ERECTION DRAWING DETAIL SHEET - SHEET 3
D06-136659-02C FRAME PARTS DRAWING - SHEET 4
D06-136659-02D FRAME PARTS DRAWING - SHEET 5
D06-136659-02E FRAME PARTS DRAWING - SHEET 6
D06-136659-02F FRAME PARTS DRAWING - SHEET 7
D06-136659-02G FRAME PARTS DRAWING - SHEET 8
D06-136659-02H FRAME PARTS DRAWING - SHEET 9
D06-136659-03 WIND BRACING DRAWING - SHEET 1
D06-136659-03A WIND BRACING DETAIL SHEET - SHEET 2
D06-136659-04 ROOF SECONDARY STRUCTURAL FRAMING PLAN - SHEET 1
D06-136659-04A ROOF SECONDARY STRUCTURAL DETAIL SHEET - SHEET 2
D06-136659-05 WALL SECONDARY STRUCTURAL ELEVATION - SHEET 1
D06-136659-05A WALL SECONDARY STRUCTURAL ELEVATION - SHEET 2
D06-136659-05B DOOR DETAIL DRAWING - SHEET 3
D06-136659-05C WALL SECONDARY STRUCTURAL ELEVATION DETAIL SHEET - SHEET 4
D06-136659-05D WALL SECONDARY STRUCTURAL ELEVATION DETAIL SHEET - SHEET 5

SUPPLEMENTING THE SPECIFIC ERECTION DRAWINGS LISTED ARE SEVERAL GENERAL ERECTION DRAWINGS CALLED "PLANOGRAPHS". SEE THE DRAWING MANIFEST FOR A COMPLETE LIST OF THESE DRAWINGS.

MR-24 Roof Panel Design Data

Calculated sectional properties for MR-24 roof panel materials using 1996 edition of AISI design manual and representative center section.



Section Properties for One Foot of Width

Panel Material	Design Thick (in)	Weight (#/ft.)	E (ksi)	Fy (ksi)	Compression on Outside		Compression on Inside	
					Sx (in3)	I (in4)	Sx (in3)	I (in4)
24 GA. Steel	0.0225	1.20	29500	50	0.0883	0.1998	0.0876	0.1070

DESIGN CRITERIA SUMMARY

The 2001 edition of the "California Building Code" with the San Jose Municipal Code, based on the 1997 "Uniform Building Code".

Building Use Category	4 (GENERAL USE)		
Collateral Load (sprinkler, lights; misc.)	6.00 psf		
Roof Panel Dead Load	1.20 psf		
Live Load			
Roof Live Load	20.00 psf		
Tributary Load Reduction (Y/N)	Y		
Wind Load			
Wind Speed	80 mph		
Wind Importance Factor	1.00		
Enclosure Classification	Enclosed		
Wind Exposure Factor	C		
Seismic Load			
Seismic Zone	4		
Soil Profile Type	Sd		
Basic Struc. System	Seismic Res. System	Response Mod. Factor	Seismic Amp. Factor
Bracing			
Bldg. Frm. System	Concentrically braced frames	3.5	2.8
Main Frames			
Moment-Res. Frm. System	Ordinary moment frames of steel	3.5	2.8
Analysis Procedure	Equivalent Lateral Force Procedure		

FIELD WORK SUMMARY

WIND BRACING

FW0001 FIELD WORK MAY BE REQUIRED AT LOWER ROOF BEAM KNEE AREA FOR BRACING CLIP CONNECTION.

WALL SECONDARY

FW0006 FIELD LOCATE HOLES IN EAVE STRUT FOR DOOR POST CONNECTION.

FW0009 FIELD LOCATE HOLES IN PORTAL FRAME BEAM FOR DOOR POST CONNECTION.

FW0023 FIELD NOTCH AND LOCATE HOLES IN SIDEWALL GIRT(S) AND FIELD LOCATE HOLE(S) IN GIRT CLIP FOR PORTAL FRAME COLUMN AT INTERMEDIATE FRAME CONNECTION.

FW0056 FIELD WORK GIRT CHANNEL AT INTERMEDIATE SIDEWALL COLUMN WITH ADJACENT DOOR POST(S).

FW0072 FIELD WORK GIRT CHANNEL AT DOOR POST.

COVER DRAWING NOTES

STANDARD NOTES:

CD0001 ATTACH PATENT PLATE 007849 TO THE WEB OF AN INTERMEDIATE FRAME COLUMN AT EYE LEVEL.

CD0002 PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING MANIFEST FOR POSSIBLE SUBSTITUTIONS.

CD0013 IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY BUTLER MFG. CO. AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.

MATERIALS	ASTM DESIGNATION
STRUCT PLATE 1" & LESS	A529 AND A572 Fy = 55 KSI (GRADE 55)
STRUCT PLATE OVER 1"	A529 AND A572 Fy = 50 KSI (GRADE 50)
LIGHT GAGE/COLD FORMED	EQUIV TO A1011 Fy = 60 KSI (GRADE 60)
ROOF AND WALL PANELS	A653 AND A792 GRADE 50, 60
ROUND TUBE	A500 GRADE B Fy = 42 KSI
SQUARE TUBE	A500 GRADE B Fy = 46 KSI
BRACE RODS 3/4" & LESS	A510 GRADE 1018
BRACE RODS OVER 3/4"	A572 GRADE 50 OR GREATER

CD0026 1/2" DIA. BOLTS AND NUTS ARE FURNISHED AS AN ASSEMBLY. THE DRAWINGS CALL OUT THESE BOLTS AND NUTS BY THEIR COMPONENT NO'S. ASSEMBLY CONTAINS

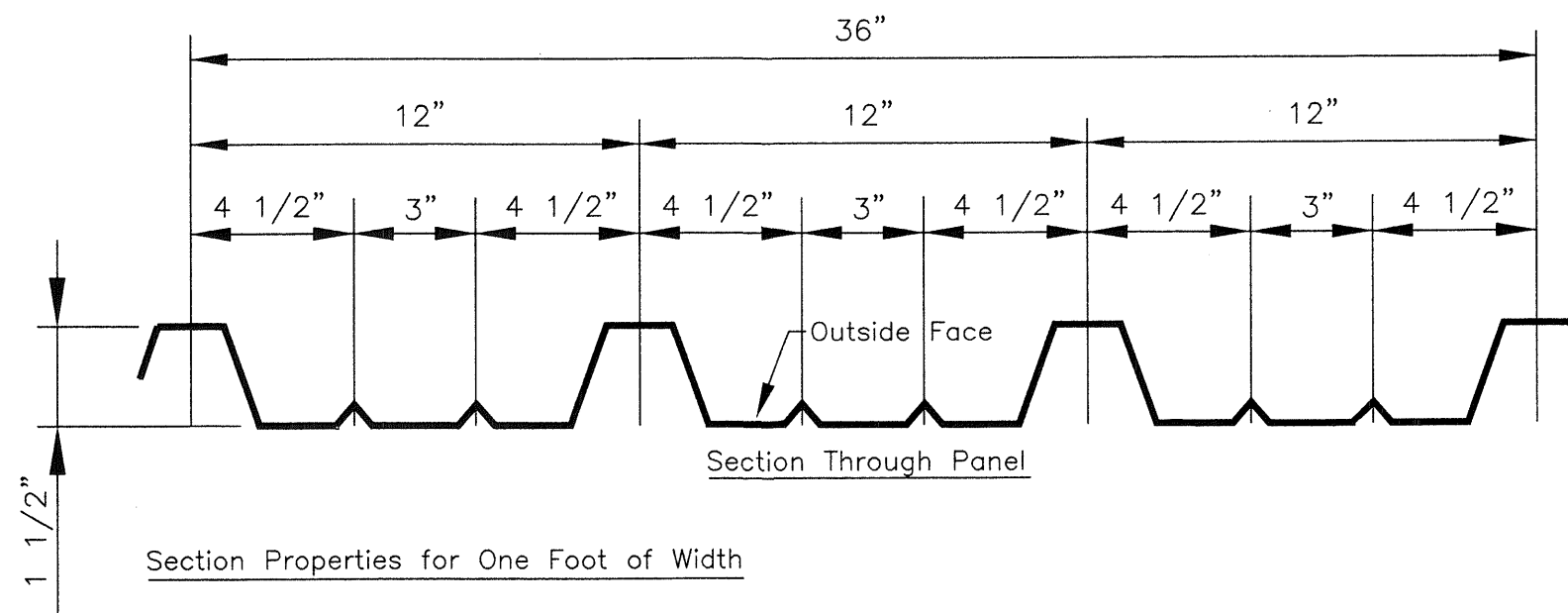
0097461 1/2X1-1/4 BOLT (0095085) AND NUT (0095032)
0097462 1/2X1-1/4 THN HD BOLT (0096636) AND NUT (0095032)
0097463 1/2X1-1/2 BOLT (0095195) AND NUT (0095032)
0097464 1/2X1-3/4 GALV BOLT (0095331) AND (0095032)
0097465 1/2X2 A325T BOLT (0097280) AND (0095230)

CD0028 HIGH STRENGTH BOLTING:

ALL HIGH STRENGTH BOLTS USED IN PRIMARY FRAME CONNECTIONS ARE A325 WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED USING THE "TURN-OF-THE-NUT" METHOD SPECIFIED IN THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", PUBLISHED BY RCSC, DATED JUNE 23, 2000. A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE-NUT METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS. SEE INSTALLATION OF A A325 BOLT DRAWING 1080268.

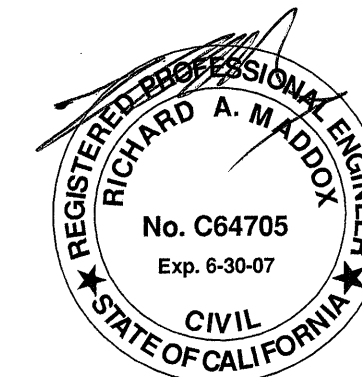
Butler® II Wall System - Panels

Calculated sectional properties for Butler® II wall panel materials using 1996 edition of AISI design manual.



Section Properties for One Foot of Width

Panel Material	Design Thick (in)	Fy (ksi)	E (ksi)	Weight (#/ft.)	Compression on Outside		Compression on Inside	
					Sx (in3)	I (in4)	Sx (in3)	I (in4)
26 GA. Steel	0.017	50	29500	0.95	0.0498	0.0603	0.0528	0.0417

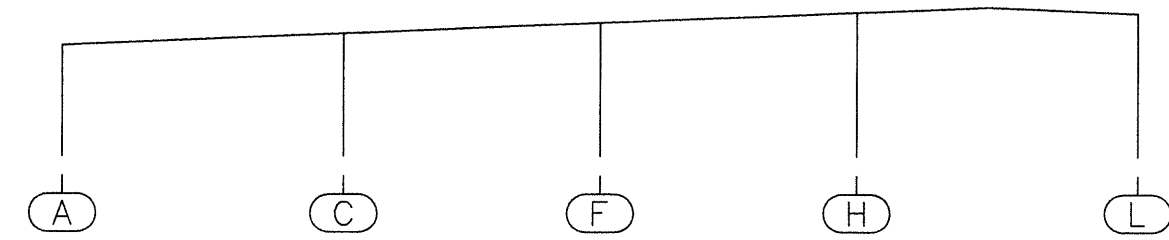


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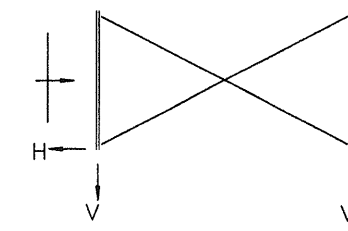
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ENDWALL FRAME AT SIDEWALL GRID 1

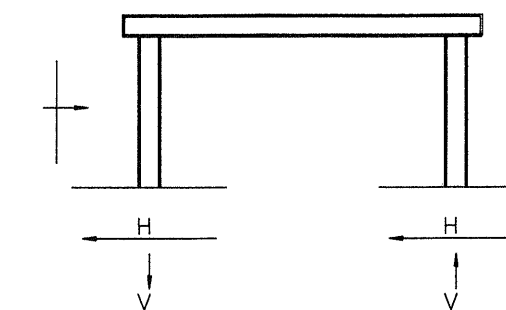
	A			C			F			H			L		
	H	V	Z	H	V	Z	H	V	Z	H	V	Z	H	V	Z
DL DEAD LOAD	0.10	0.80	0.00	0.00	1.37	0.00	0.00	1.32	0.00	0.00	1.45	0.00	-0.10	0.87	0.00
CLL COLLATERAL LOAD	0.14	0.87	0.00	0.00	1.67	0.00	0.00	1.54	0.00	0.00	1.64	0.00	-0.14	0.89	0.00
LL LIVE LOAD	0.36	2.32	0.00	0.00	4.46	0.00	0.00	4.10	0.00	0.00	4.36	0.00	-0.36	2.37	0.00
WLL WIND LOAD LEFT	-3.25	-3.19	0.00	0.00	-2.20	0.00	0.00	-3.54	0.00	0.00	-4.79	0.00	-1.82	-0.96	0.00
WLR WIND LOAD RIGHT	2.68	-0.11	0.00	0.00	-5.87	0.00	0.00	-3.26	0.00	0.00	-2.07	0.00	3.46	-3.37	0.00
EQ SEISMIC LOAD	-2.25	-2.01	0.00	0.00	2.37	0.00	0.00	-0.12	0.00	0.00	-1.78	0.00	-1.58	1.54	0.00
EWP EW WIND PRESSURE	1.12	-1.88	1.93	0.00	-3.86	3.97	0.00	-3.44	3.99	0.00	-3.42	4.39	-1.12	-2.09	2.26
EWS EW WIND SUCTION	1.12	-1.88	-1.69	0.00	-3.86	-3.48	0.00	-3.44	-3.49	0.00	-3.42	-3.84	-1.12	-2.09	-1.98
PDE P Delta Unit Story S	-0.46	-0.53	0.00	0.25	0.82	0.00	0.24	-0.03	0.00	0.25	-0.46	0.00	-0.28	0.40	0.00
MAX. POS. REACTION	2.77	3.98	1.93	0.00	7.50	3.97	0.00	6.96	3.99	0.00	7.44	4.39	3.38	4.12	2.26
MAX. NEG. REACTION	-3.16	-2.39	-1.69	0.00	-4.50	-3.48	0.00	-2.23	-3.49	0.00	-3.35	-3.84	-1.92	-2.51	-1.98

BRACED BAY REACTION

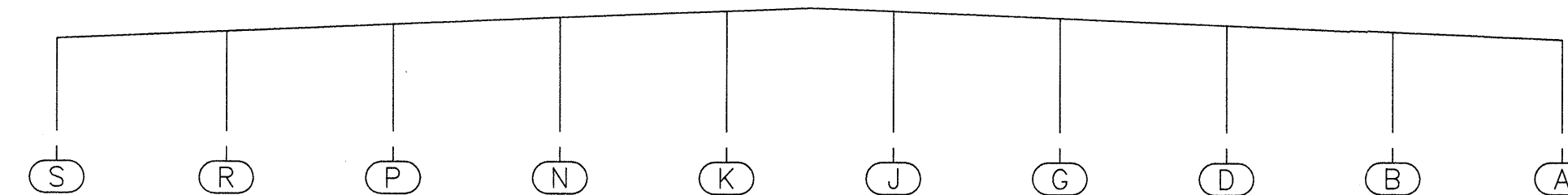


SIDEWALL GRID	BETWEEN GRIDS	H (WL)	V (WL)	H (EQ)	V (EQ)
S	2-3	7	6	18	16
S	3-4	7	6	18	16
S	4-5	7	5	18	12
S	5-6	7	5	18	12

PORTAL FRAME REACTION

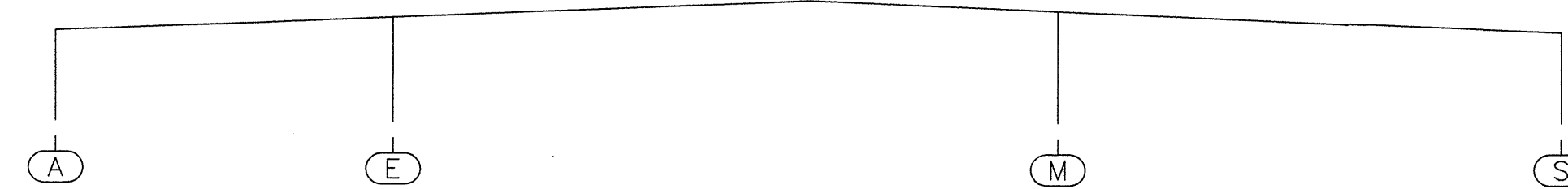


SIDEWALL GRID	BETWEEN GRIDS	H (WL)	V (WL)	H (EQ)	V (EQ)
A	2-3	7	12	18	35
A	4-5	7	9	18	26



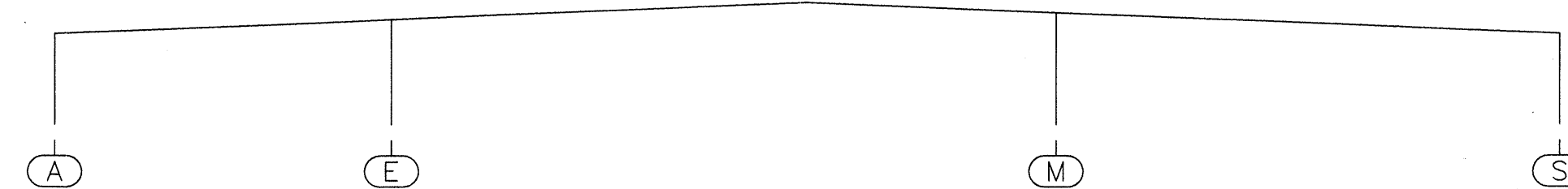
ENDWALL FRAME AT SIDEWALL GRID 9

	S			R			P			N			K			J			G			D			B			A		
	H	V	Z	H	V	Z	H	V	Z	H	V	Z	H	V	Z	H	V	Z	H	V	Z	H	V	Z	H	V	Z	H	V	Z
DL DEAD LOAD	0.04	0.61	0.00	0.00	1.07	0.00	0.00	1.07	0.00	0.00	1.08	0.00	0.00	1.12	0.00	0.00	1.12	0.00	0.00	1.08	0.00	0.00	1.07	0.00	0.00	1.07	0.61	0.00	-0.04	0.61
CLL COLLATERAL LOAD	0.06	0.60	0.00	0.00	1.20	0.00	0.00	1.18	0.00	0.00	1.18	0.00	0.00	1.18	0.00	0.00	1.18	0.00	0.00	1.18	0.00	0.00	1.20	0.00	0.00	1.20	0.60	0.00	-0.06	0.60
LL LIVE LOAD	0.20	2.00	0.00	0.00	3.99	0.00	0.00	3.93	0.00	0.00	3.93	0.00	0.00	3.94	0.00	0.00	3.94	0.00	0.00	3.93	0.00	0.00	3.99	0.00	0.00	3.99	2.00	0.00	-0.20	2.00
WLL WIND LOAD LEFT	-1.59	-1.34	0.00	0.00	-2.50	0.00	0.00	-2.61	0.00	0.00	-2.57	0.00	0.00	-5.28	0.00	0.00	0.09	0.00	0.00	-2.56	0.00	0.00	-2.56	0.00	0.00	-2.74	0.00	0.00	-1.59	-1.34
WLR WIND LOAD RIGHT	0.81	-1.25	0.00	0.00	-2.74	0.00	0.00	-2.56	0.00	0.00	-2.56	0.00	0.00	0.09	0.00	0.00	2.40	-5.28	0.00	-2.57	0.00	0.00	-2.50	0.00	0.00	1.59	-1.25	0.00	0.81	-1.25
EQ SEISMIC LOAD	-0.24	-0.28	0.00	0.00	0.38	0.00	0.00	-0.07	0.00	0.00	0.07	0.00	0.00	-5.60	-6.26	0.00	6.21	0.00	0.00	0.00	0.00	0.00	-0.37	0.00	0.00	-0.24	0.27	0.00	-0.24	0.27
EWP EW WIND PRESSURE	1.06	-1.38	1.44	0.00	-2.60	2.97	0.00	-2.58	3.06	0.00	-2.60	3.19	-0.11	-2.49	3.31	0.11	-2.49	3.31	0.00	-2.60	3.19	0.00	-2.58	3.06	0.00	-2.60	2.97	-1.06	1.38	1.44
EWS EW WIND SUCTION	1.06	-1.38	-1.26	0.00	-2.60	-2.60	0.00	-2.58	-2.69	0.00	-2.60	-2.79	-0.11	-2.49	-2.90	0.11	-2.49	-2.90	0.00	-2.60	-2.79	0.00	-2.58	-2.69	0.00	-2.60	-2.60	-1.06	-1.38	-1.26
PDE P Delta Unit Story S	0.02	-0.05	0.00	0.11	0.06	0.00	0.11	-0.01	0.00	0.11	0.01	0.00	-0.81	-1.04	0.00	0.11	1.02	0.00	0.11	0.00	0.00	0.11	0.01	0.00	0.11	-0.06	0.00	0.02	0.04	0.04
MAX. POS. REACTION	1.10	3.21	1.44	0.00	6.26	2.97	0.00	6.18	3.06	0.00	6.19	3.19	0.00	6.77	3.31	4.03	6.77	3.31	0.00	6.19	3.19	0.00	0.00	6.18	3.06	0.00	6.26	2.97	1.55	3.21
MAX. NEG. REACTION	-1.55	-0.77	-1.26	0.00	-1.67	-2.60	0.00	-1.54	-2.69	0.00	-1.52	-2.79	-4.03	-4.15	-2.90	0.00	-4.15	-2.90	0.00	-1.52	-2.79	0.00	0.00	-1.54	-2.69	0.00	-1.67	-2.60	-1.10	-0.77



FRAME AT SIDEWALL GRIDS 2, 3, 4, 5 & 6

	A		E		M		S	
	H	V	H	V	H	V	H	V
DL DEAD LOAD	0.48	1.61	0.00	8.01	0.00	9.85	-0.48	2.31
CLL COLLATERAL LOAD	0.99	2.61	0.00	15.88	0.00	19.29	-0.99	4.00
LL LIVE LOAD	1.78	4.36	0.00	23.13	0.00	28.84	-1.78	7.63
WLL WIND LOAD LEFT	-12.58	-8.59	0.00	-20.98	0.00	-32.71	-1.82	-7.76
WLR WIND LOAD RIGHT	7.33	-0.79	0.00	-29.81	0.00	-30.64	7.07	-8.80
EQ SEISMIC LOAD	-15.20	-9.22	0.00	10.41	0.00	-2.79	-3.05	1.59
EWP EW WIND PRESSURE	1.15	-5.19	0.00	-25.03	0.00	-31.04	-1.15	-8.79
EWS EW WIND SUCTION	1.15	-5.19	0.00	-25.03	0.00	-31.04	-1.15	-8.79
PDE P Delta Unit Story S	-0.72	-0.50	0.33	0.56	0.39	-0.15	0.00	0.09
MAX. POS. REACTION	12.42	11.06	0.00	47.02	0.00	57.98	6.59	13.93
MAX. NEG. REACTION	-12.10	-6.98	0.00	-21.80	0.00	-22.87	-3.67	-6.49

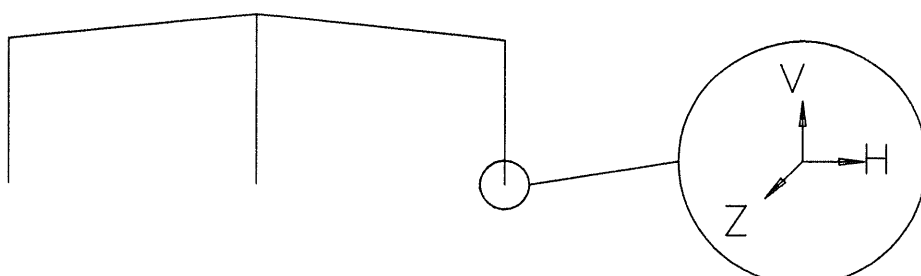


FRAME AT SIDEWALL GRIDS 7 & 8

	A		E		M		S	
	H	V	H	V	H	V	H	V
DL DEAD LOAD	0.31	1.21	0.00	5.13	0.00	6.51	-0.31	1.55
CLL COLLATERAL LOAD	0.54	1.40	0.00	7.19	0.00	9.10	-0.54	2.37
LL LIVE LOAD	1.08	2.79	0.00	14.38	0.00	18.21	-1.08	4.73
WLL WIND LOAD LEFT	-7.97	-5.40	0.00	-13.19	0.00	-20.55	-1.08	-4.88
WLR WIND LOAD RIGHT	4.73	-0.63	0.00	-18.44	0.00	-19.53	4.32	-5.41
EQ SEISMIC LOAD	-9.75	-5.65	0.00	6.23	0.00	-1.45	-1.70	0.87
EWP EW WIND PRESSURE	0.80	-3.33	0.00	-15.58	0.00	-19.66	-0.80	-5.45
EWS EW WIND SUCTION	0.80	-3.33	0.00	-15.58	0.00	-19.66	-0.80	-5.45
PDE P Delta Unit Story S	-0.74	-0.49	0.33	0.54	0.39	-0.13	0.02	0.08
MAX. POS. REACTION	7.86	6.68	0.00	26.70	0.00	33.82	4.01	8.65
MAX. NEG. REACTION	-7.66	-4.19	0.00	-13.31	0.00	-14.03	-2.07	-3.90

REACTION NOTES:

1. THE VERTICAL (V) AND HORIZONTAL (H AND Z) REACTION ARE STATED IN KIPS. (1 KIP = 1000 POUNDS) POSITIVE DIRECTION IS AS SHOWN IN THE FOLLOWING DIAGRAM.
2. MOMENT REACTIONS ARE STATED IN INCH-KIPS AND ARE POSITIVE IN A COUNTERCLOCKWISE DIRECTION.
3. THE FORCE ON THE ANCHOR BOLTS OR FOUNDATION WILL BE IN THE OPPOSITE DIRECTION TO THAT SHOWN.
4. MAXIMUM REACTION SUMMARY IS THE MAXIMUM POSITIVE AND NEGATIVE REACTIONS BASED ON THE REQUIRED LOAD COMBINATIONS.
5. SEISMIC REACTIONS SHOWN ARE CONSISTENT WITH THE BASE SHEAR (V) FROM THE SPECIFIED BUILDING CODE WITHOUT ADJUSTMENT FACTORS.
6. THE WIND LOAD BRACING REACTIONS DO NOT INCLUDE EWP, EWS AND IP REACTIONS FROM THE INTERMEDIATE FRAME. THESE REACTIONS SHOULD BE ADDED TO GET THE TOTAL REACTIONS FOR THE FOUNDATION DESIGN.



SEISMIC REACTIONS INCLUDE REDUNDANCY FACTOR Rho BUT DO NOT INCLUDE OVER STRENGTH FACTOR Omega.

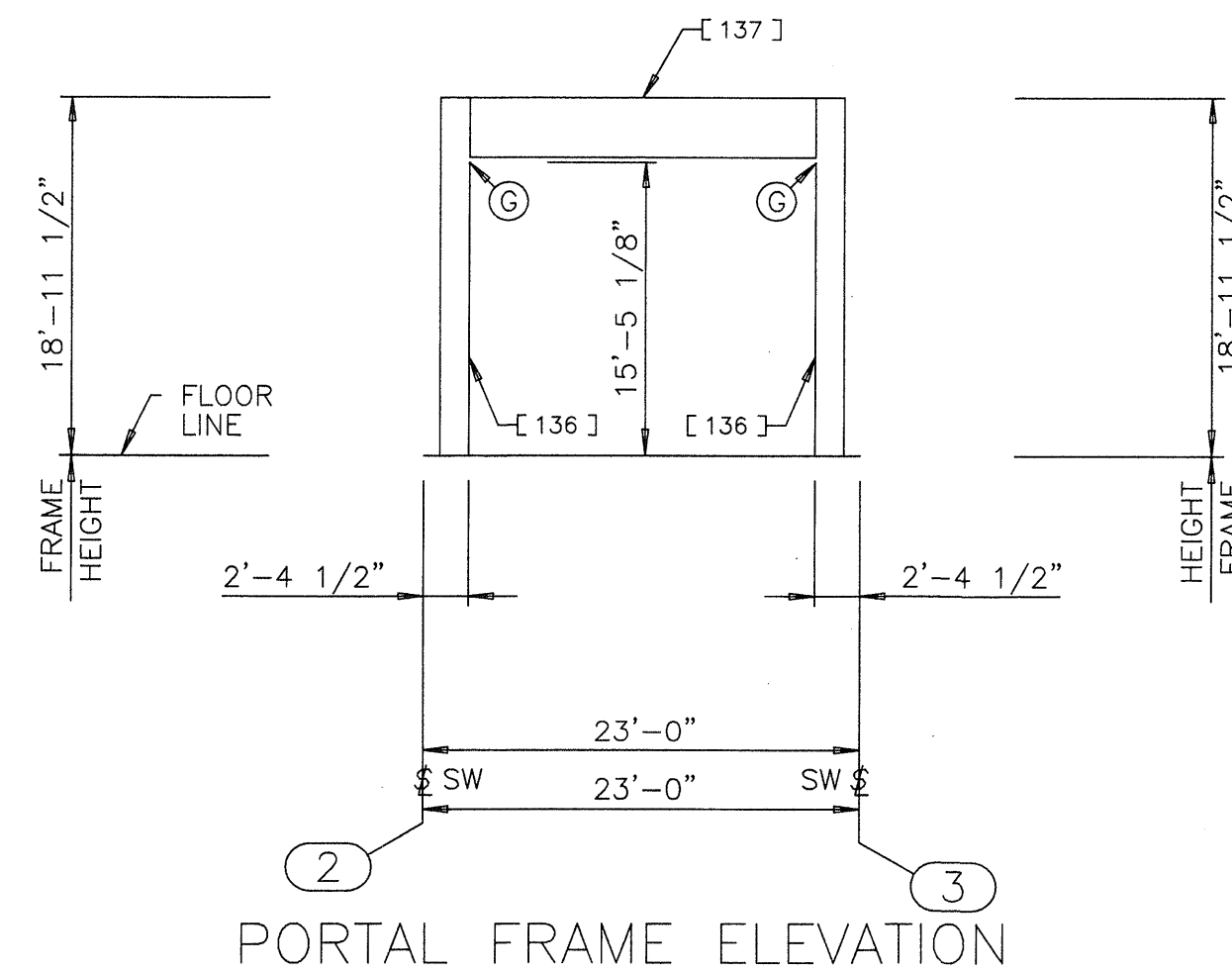
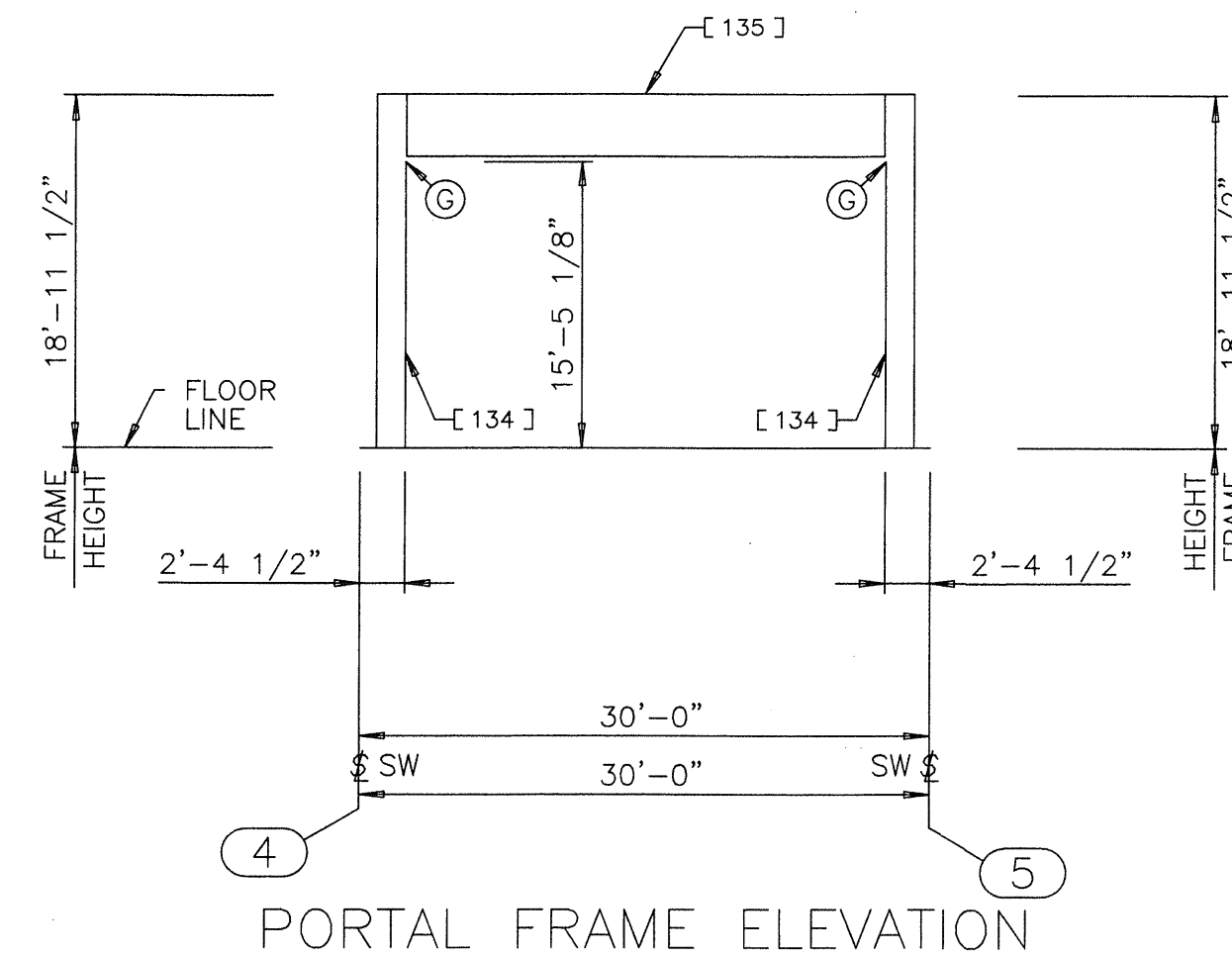
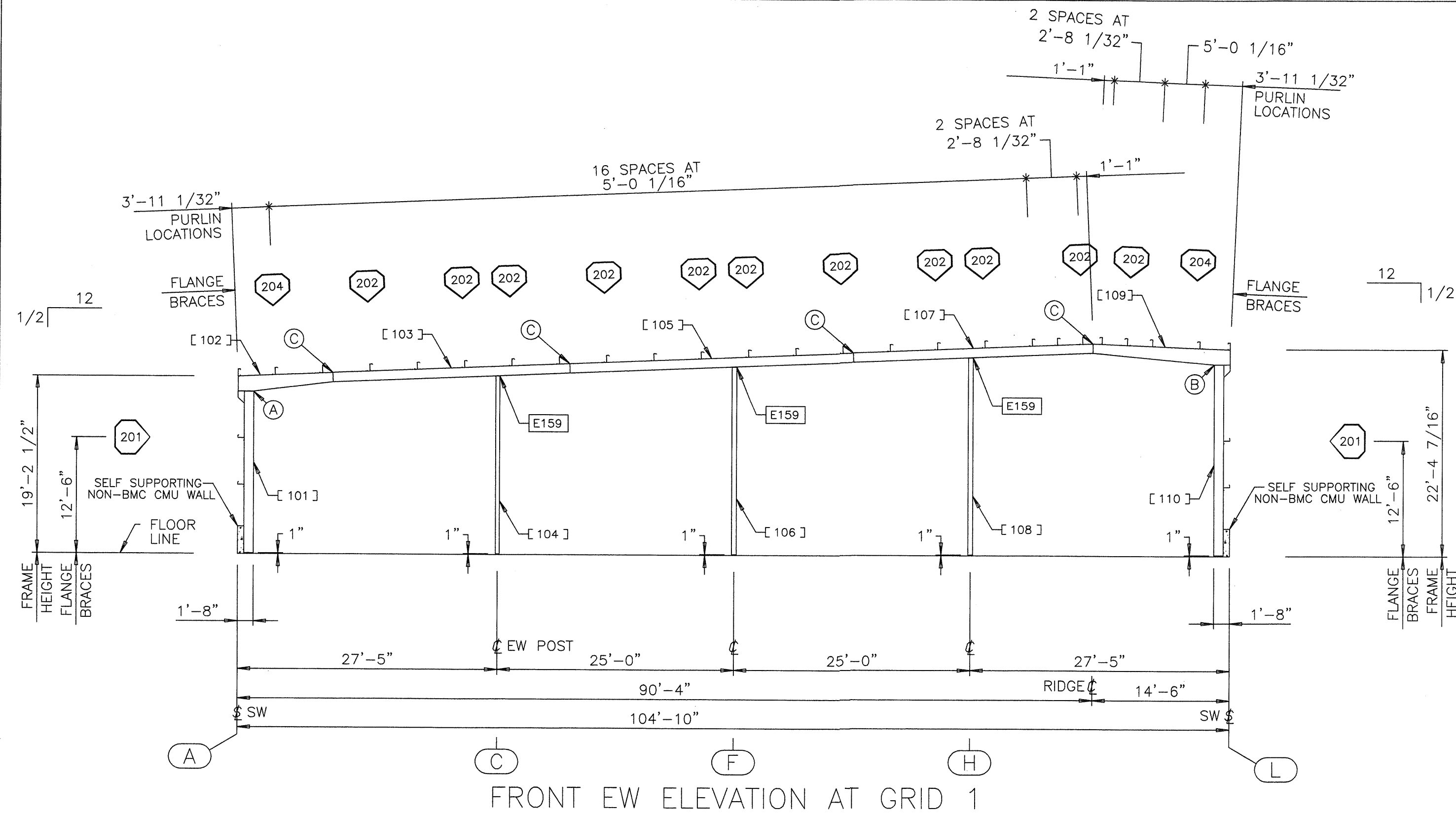
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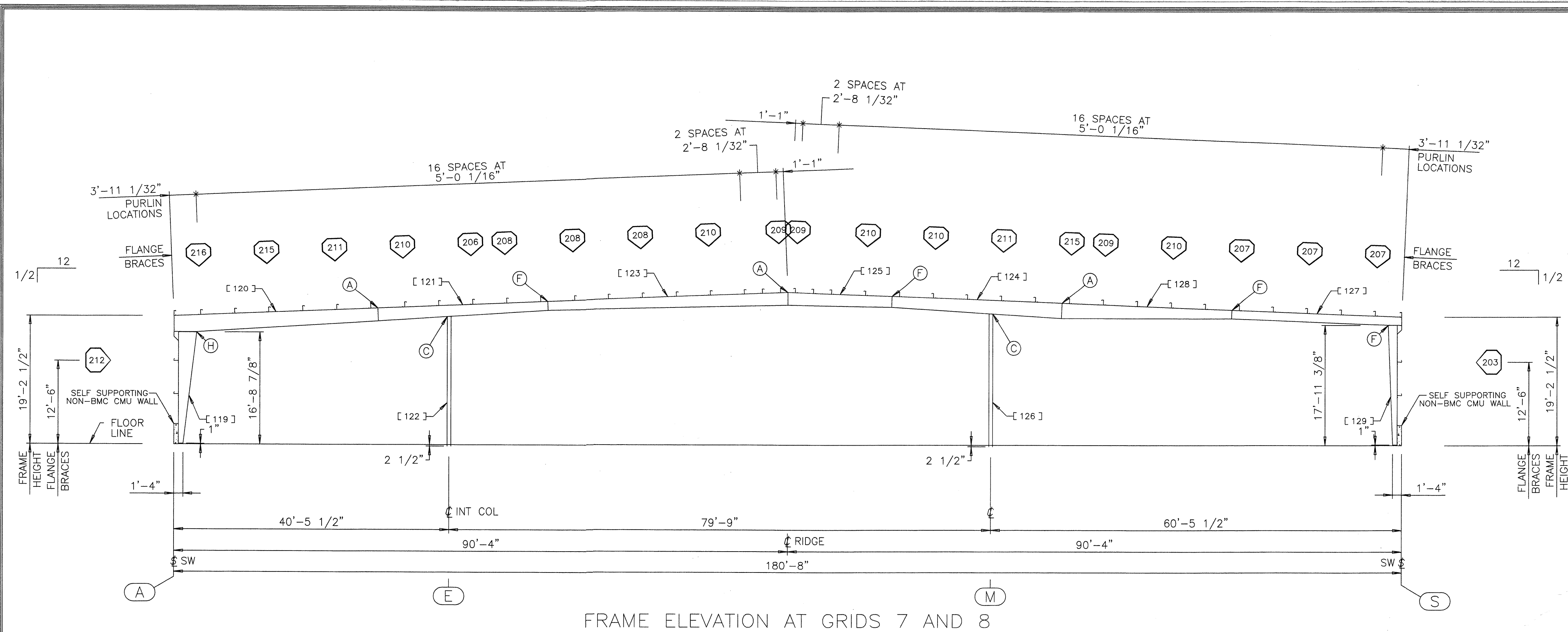
REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: CVCHOUANG	ENG:
DATE: 02/20/06	1. INCORPORATED 9 RTU'S IN DESIGN	DATE:				CHK:	DATE: 01/25/06				
DRAWN BY: CVCHOUANG	2. ADD 1" GROUT TO ALL COLUMNS	DRAWN BY:				DRAWING NUMBER:		REV.			
CHECKED BY:		CHECKED BY:				D 06-136659-01A		0			

REGISTERED PROFESSIONAL ENGINEER
RICHARD A. MADDOX
No. C64705
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA

USERNAME: Christy V. Chuang 02-20-2006 15:15:55



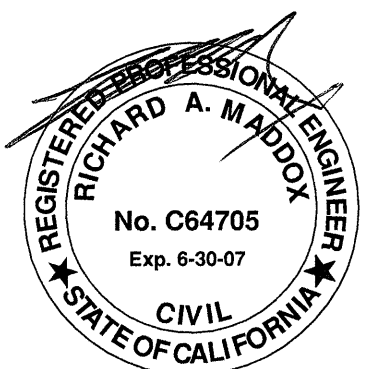
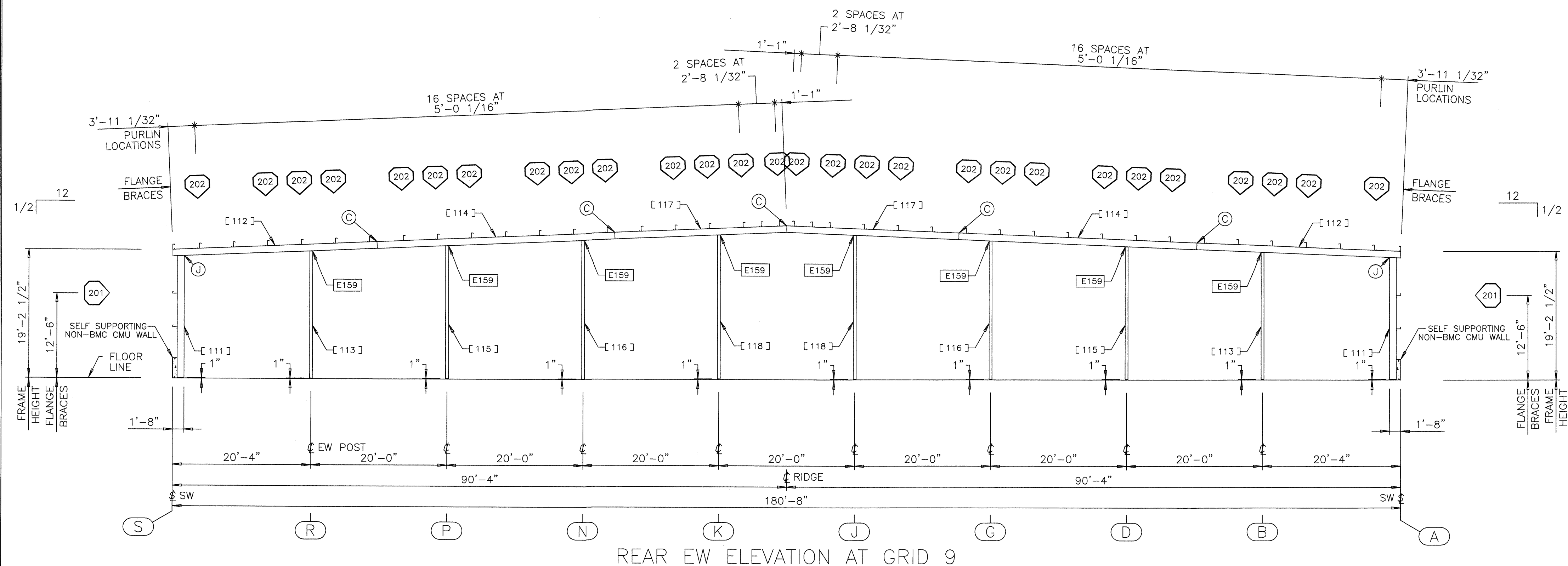
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PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
111	EW CORNER POST	V67098	18'-1 13/16"	
112	EW ROOF BEAM	V67100	30'-0 3/16"	
113	EW INTERM POST	V67102	18'-11 13/32"	
114	EW ROOF BEAM	V67104	35'-0 3/8"	
115	EW INTERM POST	V67106	19'-9 13/32"	
116	EW INTERM POST	V67108	20'-7 13/32"	
117	EW ROOF BEAM	V67110	25'-4 1/4"	
118	EW INTERM POST	V67112	21'-5 13/32"	
119	EXTERIOR COLUMN	V67442	16'-7 7/8"	
120	ROOF BEAM	V67444	29'-11 1/2"	
121	ROOF BEAM	V67446	25'-0 1/4"	
122	INTERIOR COLUMN	V67448	19'-4 5/16"	
123	ROOF BEAM	V67450	35'-5 1/32"	
124	ROOF BEAM	V67452	25'-0 1/4"	
125	ROOF BEAM	V67454	15'-4 5/32"	
126	INTERIOR COLUMN	V67456	19'-10 9/32"	
127	ROOF BEAM	V67458	25'-0 1/8"	
128	ROOF BEAM	V67460	25'-0 1/4"	
129	EXTERIOR COLUMN	V67462	17'-10 3/8"	

BOLTED CONNECTION SCHEDULE					
○	QUANTITY	BOLT NO.	DESCRIPTION	NUT NO.	DETAIL
A	08	097284	3/4X2-1/2 BOLT A325T	095235	
C	04	097282	5/8X2-1/4 BOLT A325T	095233	
F	08	097282	5/8X2-1/4 BOLT A325T	095233	
H	10	097285	7/8X2-1/4 HS BOLT A3	095237	
J	08	097281	5/8X1-1/2 HS BOLT A3	095233	

FLANGE BRACE SCHEDULE					
◇	PART NO. FRONT/LEFT	PART NO. REAR/RIGHT	DIM. "Y"	DETAIL	FIELD WORK ▲
201	545100		10 1/2"	C347	
202	545100		10 1/2"	C347	
203	545100		10 1/2"	C347	
206	545101	545101	1'-4 1/2"	C345	
207	545101		1'-4 1/2"	C346	
208	545101		1'-4 1/2"	C347	
209	545102	545102	1'-10 1/2"	C345	
210	545102		1'-10 1/2"	C346	
211	545102		1'-10 1/2"	C347	
212	545103		2'-4 1/2"	C346	
215	545103		2'-4 1/2"	C346	
216	545103		2'-4 1/2"	C347	



REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	PROJECT: SAN JOSE PUBLIC WORK BUILDING G SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 180X183X20 MRF 20# LL + 6#CLL 80 MPH EXP C CBC 01 SEISMIC ZONE 4, Sd	DRAWING TITLE: CROSS SECTION ERECTION DRAWING	DRW: CVCHOUANG		ENG:	
DATE: 02/20/06	1. INCORPORATED 9 RTU'S IN DESIGN	DATE:								CHK:		DATE: 02/17/06	
DRAWN BY: CVCHOUANG	2. ADD 1" GROUT TO ALL COLUMNS	DRAWN BY:								DRAWING NUMBER: D06-136659-02A		REV.	
CHECKED BY:		CHECKED BY:										01	

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FRAME DESIGN INFORMATION		FRAME DESIGN INFORMATION (cont.)		FRAME DESIGN INFORMATION (cont.)	
PART	DESCRIPTION	PART	DESCRIPTION	PART	DESCRIPTION
V66950 210-1 EW CORNER POST	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67108 247-3 EW INTERM POST	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67464 198-1 EXTERIOR COLUMN	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .160" PART DEPTH = 8" TO 36"
V66952 120-0 EW ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .140" PART DEPTH = 20" TO 12"	V67110 304-2 EW ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67470 226-6 INTERIOR COLUMN R6.625X.188	PIPE DIAMETER = 6 5/8" WALL THICKNESS = .188"
V66954 300-2 EW ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67112 257-3 EW INTERM POST	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67478 234-2 INTERIOR COLUMN R6.625X.280	PIPE DIAMETER = 6 5/8" WALL THICKNESS = .280"
V66956 231-0 EW INTERM POST	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67442 199-7 EXTERIOR COLUMN	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .160" PART DEPTH = 8" TO 32"	V67484 210-4 EXTERIOR COLUMN	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .120" PART DEPTH = 8" TO 20"
V66958 360-2 EW ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67444 359-4 ROOF BEAM	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .188" PART DEPTH = VARIES 31" TO 24"	V67986 359-5 ROOF BEAM	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .375" WEB THICKNESS = .219" PART DEPTH = VARIES 33" TO 28"
V66960 243-4 EW INTERM POST	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67446 300-2 ROOF BEAM	TOP FLANGE = 8" X .313" BOTTOM FLANGE = 8" X .375" WEB THICKNESS = .160" - LOW END TO 15'-0 5/8" FROM LOW END .140" - 15'-0 5/8" FROM LOW END TO HIGH END PART DEPTH = VARIES 24" TO 16"	V67988 300-2 ROOF BEAM	TOP FLANGE = 9" X .375" BOTTOM FLANGE = 9" X .500" WEB THICKNESS = .250" - LOW END TO 15'-0 5/8" FROM LOW END .188" - 15'-0 5/8" FROM LOW END TO HIGH END PART DEPTH = VARIES 28" TO 24"
V66962 304-2 EW ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67448 232-3 INTERIOR COLUMN R6.625X.156	PIPE DIAMETER = 6 5/8" WALL THICKNESS = .156"	V67990 424-7 ROOF BEAM	TOP FLANGE = 6" X .375" BOTTOM FLANGE = 6" X .500" WEB THICKNESS = .160" - LOW END TO 20'-0 1/8" FROM LOW END .140" - 20'-0 1/8" FROM LOW END TO HIGH END PART DEPTH = 24"
V66964 256-0 EW INTERM POST	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67450 425-0 ROOF BEAM	TOP FLANGE = 6" X .313" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .120" PART DEPTH = VARIES 16" TO 24"	V67992 300-2 ROOF BEAM	TOP FLANGE = 10" X .500" - LOW END TO 15'-0 5/8" FROM LOW END 10" X .375" - 15'-0 5/8" FROM LOW END TO HIGH END BOTTOM FLANGE = 10" X .500" WEB THICKNESS = .250" - LOW END TO 15'-0 5/8" FROM LOW END .219" - 15'-0 5/8" FROM LOW END TO HIGH END PART DEPTH = VARIES 32" TO 24"
V66966 174-0 EW ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 20" TO 12"	V67452 300-2 ROOF BEAM	TOP FLANGE = 9" X .375" BOTTOM FLANGE = 9" X .500" WEB THICKNESS = .188" - LOW END TO 15'-0 5/8" FROM LOW END .160" - 15'-0 5/8" FROM LOW END TO HIGH END PART DEPTH = VARIES 28" TO 20"	V67994 184-1 ROOF BEAM	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .188" PART DEPTH = 24"
V66968 248-1 EW CORNER POST	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67454 184-1 ROOF BEAM	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .140" PART DEPTH = VARIES 20" TO 24"	V67996 300-1 ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .160" - LOW END TO 4'-11 13/16" FROM LOW END .140" - 4'-11 13/16" FROM LOW END TO HIGH END PART DEPTH = 20"
V67098 217-7 EW CORNER POST	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67456 238-2 INTERIOR COLUMN R6.625X.156	PIPE DIAMETER = 6 5/8" WALL THICKNESS = .156"	V67998 300-2 ROOF BEAM	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .375" WEB THICKNESS = .188" - LOW END TO 15'-0 3/8" FROM LOW END .219" - 15'-0 3/8" FROM LOW END TO HIGH END PART DEPTH = VARIES 20" TO 32"
V67100 360-1 EW ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67458 300-1 ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .140" - LOW END TO 4'-11 15/16" FROM LOW END .120" - 4'-11 15/16" FROM LOW END TO HIGH END PART DEPTH = 16"	V67898 227-4 PORTAL COLUMN	TOP FLANGE = 9" X .500" BOTTOM FLANGE = 9" X .500" WEB THICKNESS = .188" - LOW END TO 15' FROM LOW END .313" - 15' FROM LOW END TO HIGH END PART DEPTH = 18 1/4"
V67102 227-3 EW INTERM POST	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67460 300-2 ROOF BEAM	TOP FLANGE = 6" X .250" BOTTOM FLANGE = 6" X .250" WEB THICKNESS = .120" - LOW END TO 10'-0 3/8" FROM LOW END .160" - 10'-0 3/8" FROM LOW END TO HIGH END PART DEPTH = VARIES 16" TO 28"	V67900 302-4 PORTAL BEAM	TOP FLANGE = 8" X .375" BOTTOM FLANGE = 8" X .375" WEB THICKNESS = .188" PART DEPTH = 40"
V67104 420-3 EW ROOF BEAM	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"	V67462 214-3 EXTERIOR COLUMN	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 8" TO 16"	V67912 227-4 PORTAL COLUMN	TOP FLANGE = 9" X .500" BOTTOM FLANGE = 9" X .500" WEB THICKNESS = .188" - LOW END TO 15' FROM LOW END .313" - 15' FROM LOW END TO HIGH END PART DEPTH = 18 1/4"
V67106 237-3 EW INTERM POST	TOP FLANGE = 5" X .250" BOTTOM FLANGE = 5" X .250" WEB THICKNESS = .120" PART DEPTH = 12"			V67914 218-4 PORTAL BEAM	TOP FLANGE = 8" X .250" BOTTOM FLANGE = 8" X .250" WEB THICKNESS = .219" PART DEPTH = 40"

NOT ALL SECTION TYPES SHOWN MAY APPLY TO THIS ORDER.

REVISION NO. 1

DATE: 02/20/06

DRAWN BY: CVCHOUANG

CHECKED BY:

REVISION NO. 2

DATE:

DRAWN BY:

CHECKED BY:

BUTLER MANUFACTURING COMPANY
GENERAL OFFICES-KANSAS CITY, MISSOURI

PRODUCT OF THE

ORDER ENGINEERING SYSTEM

BUILDER:

DIEDE CONSTRUCTION, INC
WOODBRIDGE, CA

PROJECT:

SAN JOSE PUBLIC WORK
BUILDING G
SAN JOSE, CA

BUILDING ORDER DESCRIPTION:

180X183X20 MRF
20# LL + 6#CLL
80 MPH EXP C CBC 01
SEISMIC ZONE 4, Sd

DRAWING TITLE:

CROSS SECTION
ERECTION DRAWING
DETAIL SHEET

DRW: CVCHOUANG

ENG:

CHK:

DATE: 02/17/06

DRAWING NUMBER:

REV.

D 06-136659-02B

01

PART USAGE: 8 OR 9-1/2 PURLINS, 8 Z-GIRTS
USE (3) 1/2" X 1-1/4" BOLT AND NUT (097461)

DOUBLE FLANGE BRACE CONNECTION
DETAIL C345
USE SECOND HOLE AT PURLIN OR GIRT CONNECTION

PART USAGE: 8 OR 9-1/2 PURLINS, 8 Z-GIRTS
USE (2) 1/2" X 1-1/4" BOLT AND NUT (097461)

SINGLE FLANGE BRACE CONNECTION
DETAIL C346
USE FIRST HOLE AT PURLIN OR GIRT CONNECTION

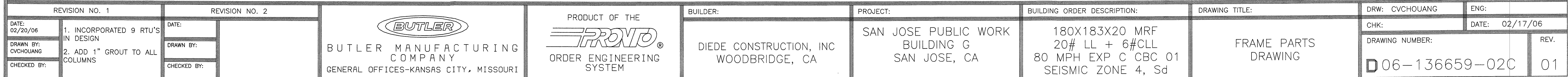
PART USAGE: 8 OR 9-1/2 PURLINS, 8 Z-GIRTS
USE (2) 1/2" X 1-1/4" BOLT AND NUT (097461)

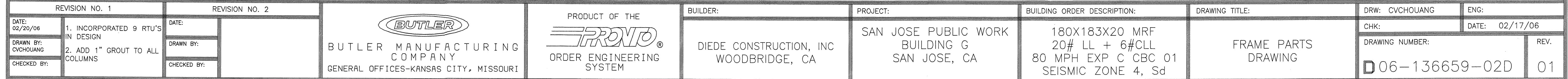
SINGLE FLANGE BRACE CONNECTION
DETAIL C347
USE SECOND HOLE AT PURLIN OR GIRT CONNECTION

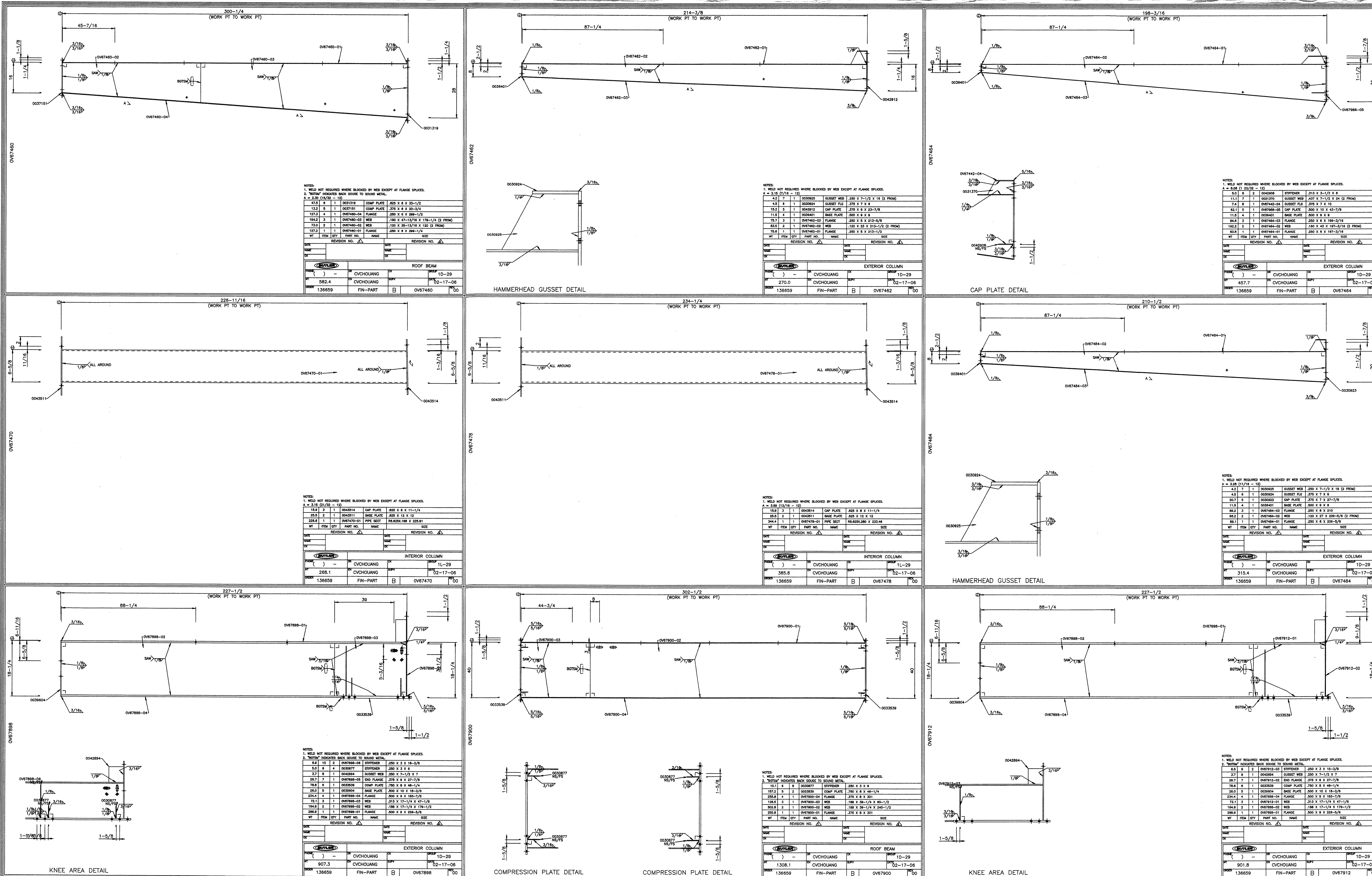
PART USAGE: (4) 5/8" X 2 1/4" A325 HI-STRENGTH BOLT (097282) AND 5/8" HEAVY HEX. NUT (095233)

ENDWALL POST TOP CONNECTION
DETAIL E159
1/2:12 SLOPE (.375 THRU .625)

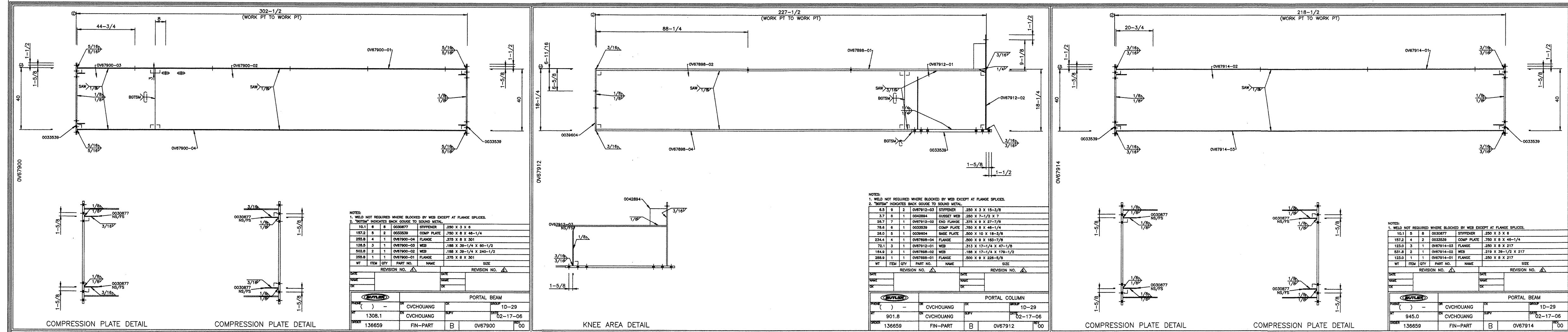
REGISTERED PROFESSIONAL ENGINEER
No. C64705
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA







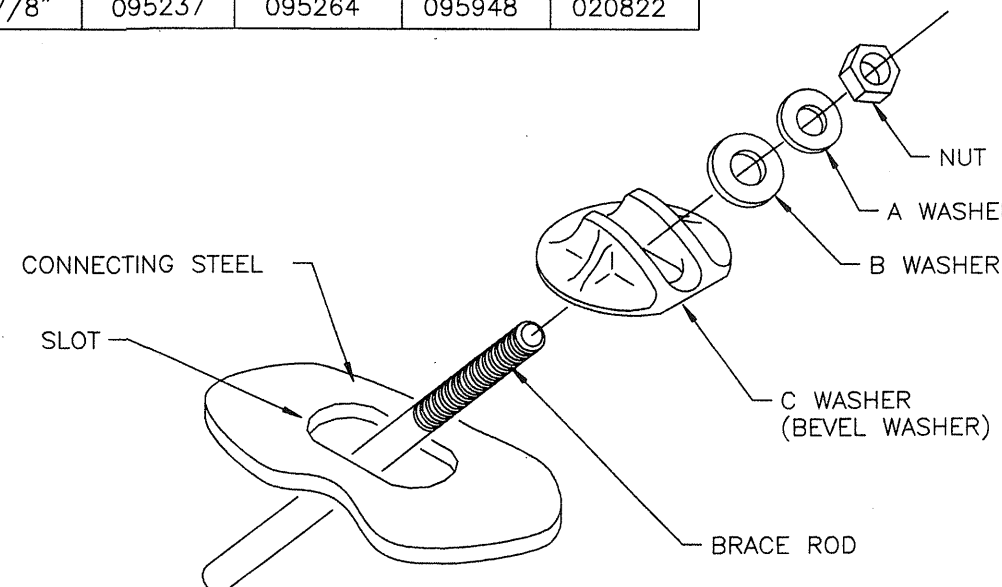
REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE  ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: CVCHOUANG	ENG:	
DATE: 02/20/06	1. INCORPORATED 9 RTU'S IN DESIGN	DATE:				SAN JOSE PUBLIC WORK BUILDING G SAN JOSE, CA	180X183X20 MRF 20# LL + 6#CLL 80 MPH EXP C CBC 01 SEISMIC ZONE 4, Sd	FRAME PARTS DRAWING	CHK:	DATE: 02/17/06	DRAWING NUMBER: D06-136659-02F	REV. 01
DRAWN BY: CVCHOUANG	2. ADD 1" GROUT TO ALL COLUMNS	DRAWN BY:										
CHECKED BY:		CHECKED BY:										



REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE  ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: CVCHOUANG	ENG:
DATE: 02/20/06	1. INCORPORATED 9 RTU'S IN DESIGN	DATE:				DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	SAN JOSE PUBLIC WORK BUILDING G SAN JOSE, CA	180X183X20 MRF 20# LL + 6#CLL 80 MPH EXP C CBC 01 SEISMIC ZONE 4, Sd	FRAME PARTS DRAWING	CHK:	DATE: 02/17/06
DRAWN BY: CVCHOUANG	2. ADD 1" GROUT TO ALL COLUMNS	DRAWN BY:								DRAWING NUMBER:	REV.
CHECKED BY:		CHECKED BY:								D 06-136659-02H	01

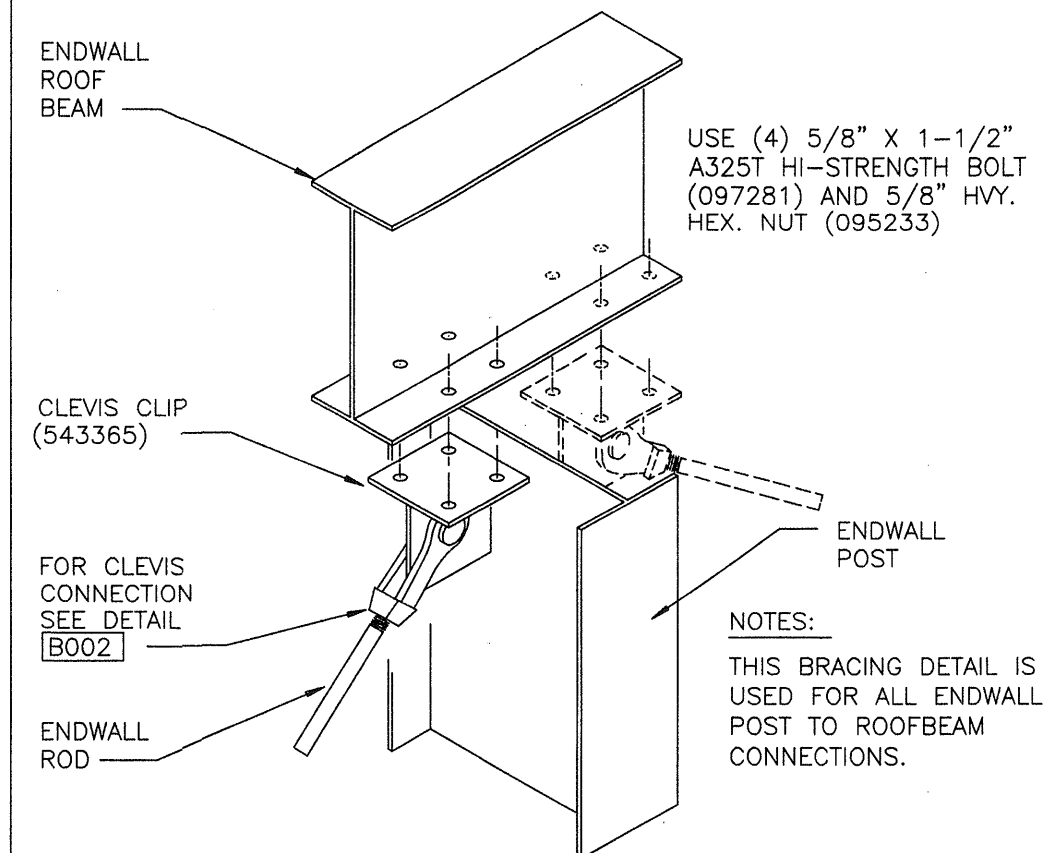
USERNAME: Christy V. Chouang 02-21-2006 09:03:08

ROD DIA.	NUT	WASHERS		
		A	B	C
1/2"	095032	095133	095165	020821
5/8"	095231	095298	095165	020821
3/4"	095235	095264	095948	020822
7/8"	095237	095264	095948	020822



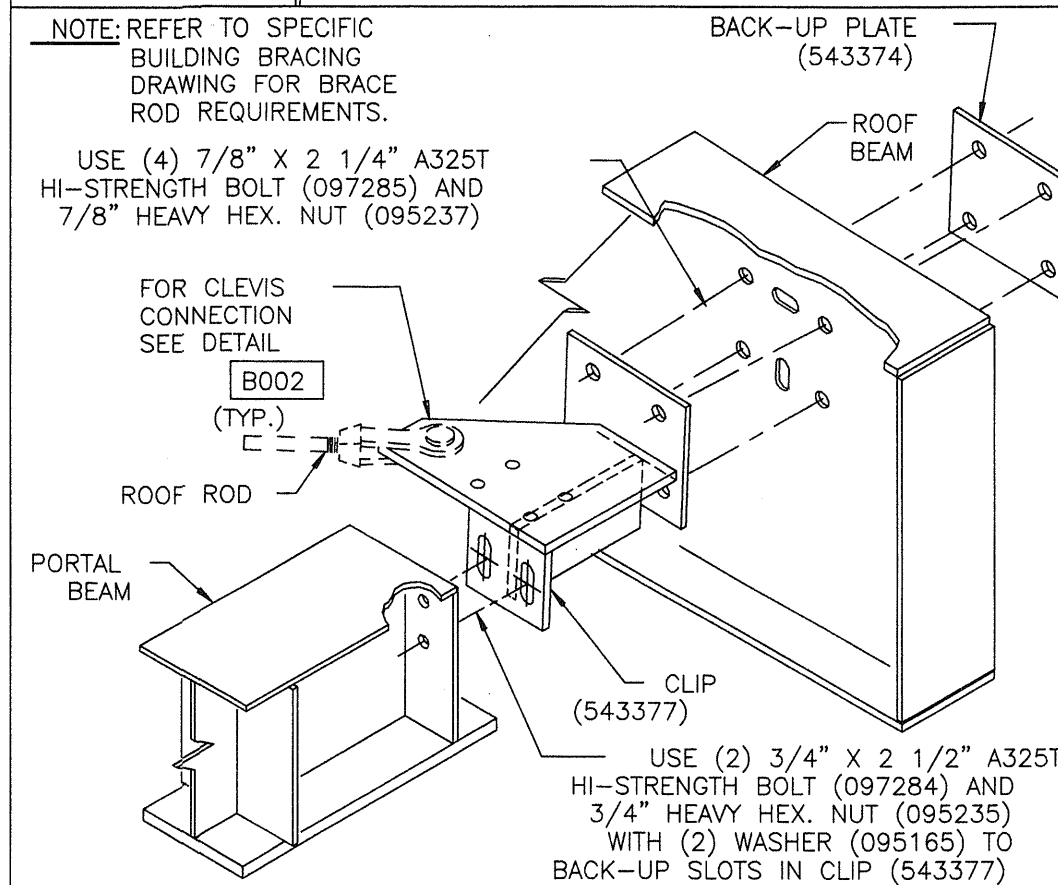
REV. DATE: 07/26/98 REV. NO. 03
DETAIL B001

TYPICAL BEVEL WASHER CONN.



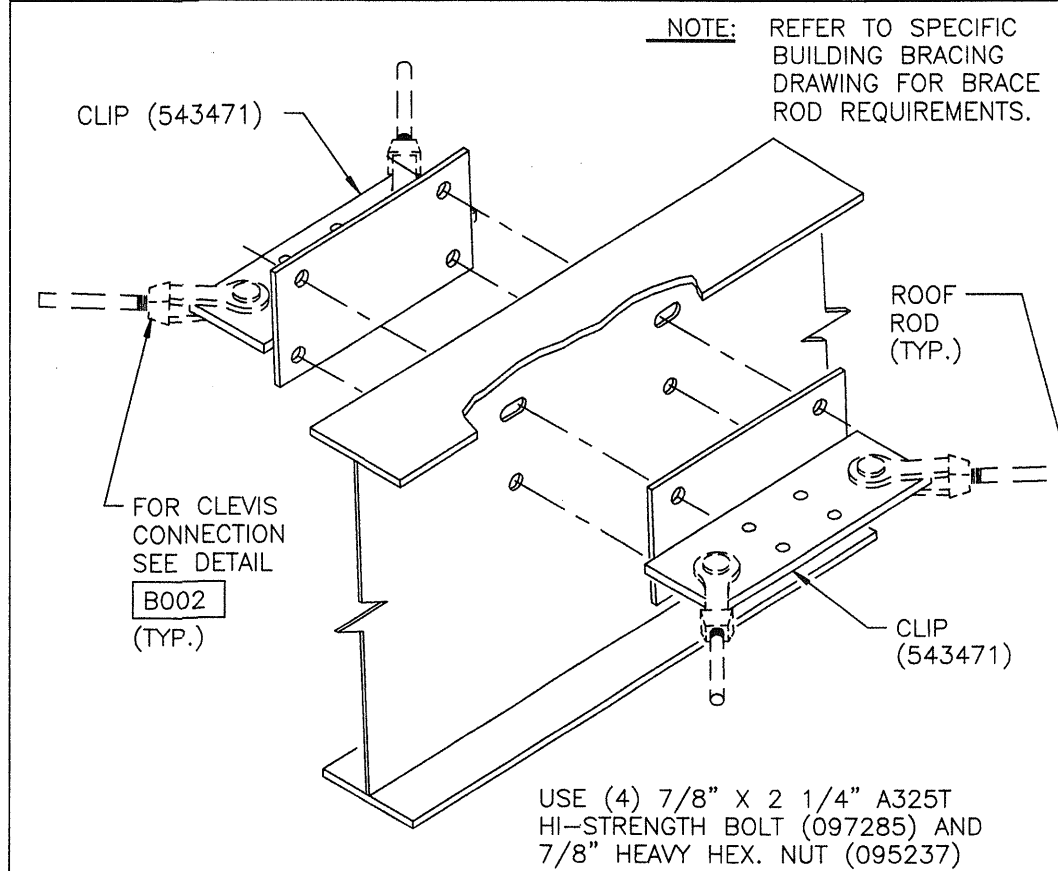
REV. DATE: 01/16/03 REV. NO. 02
DETAIL B103

BRACED CLEVIS CONNECTION TO ENDWALL ROOF BEAM



REV. DATE: 01/16/98 REV. NO. 01
DETAIL B122

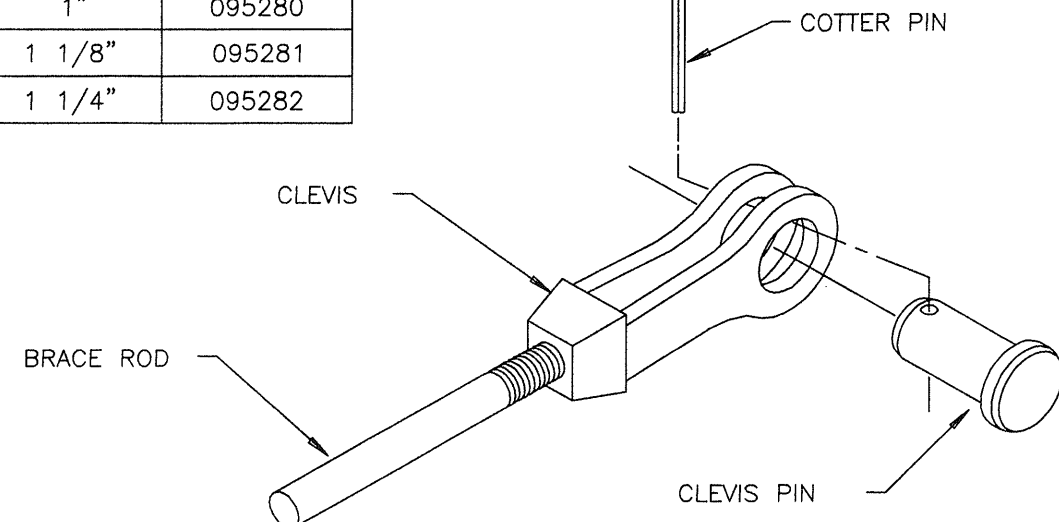
PORTAL FRAME TOP CONNECTION EAVE LOCATION



REV. DATE: 08/11/01 REV. NO. 01
DETAIL B325

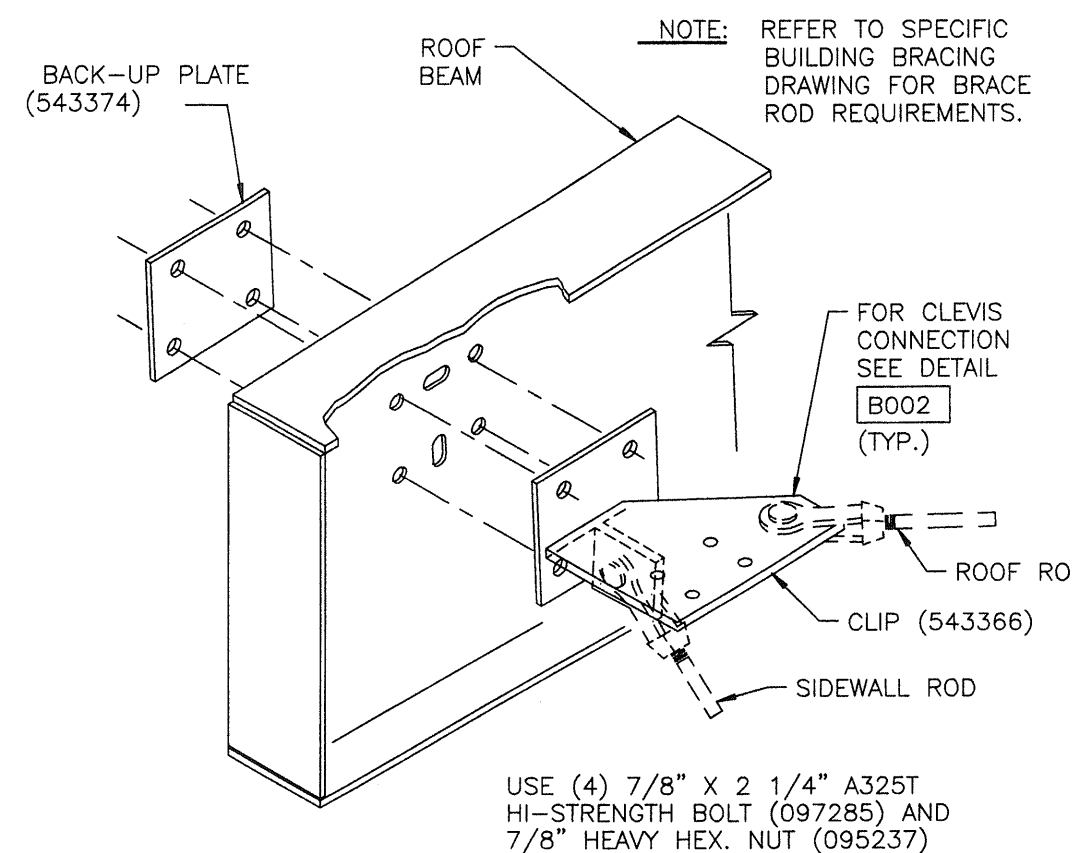
BRACING CLIP CONNECTION BACK-TO-BACK AT INTERMEDIATE LOCATION

ROD DIA.	CLEVIS ASSY.
5/8"	095277
3/4"	095278
7/8"	095279
1"	095280
1 1/8"	095281
1 1/4"	095282



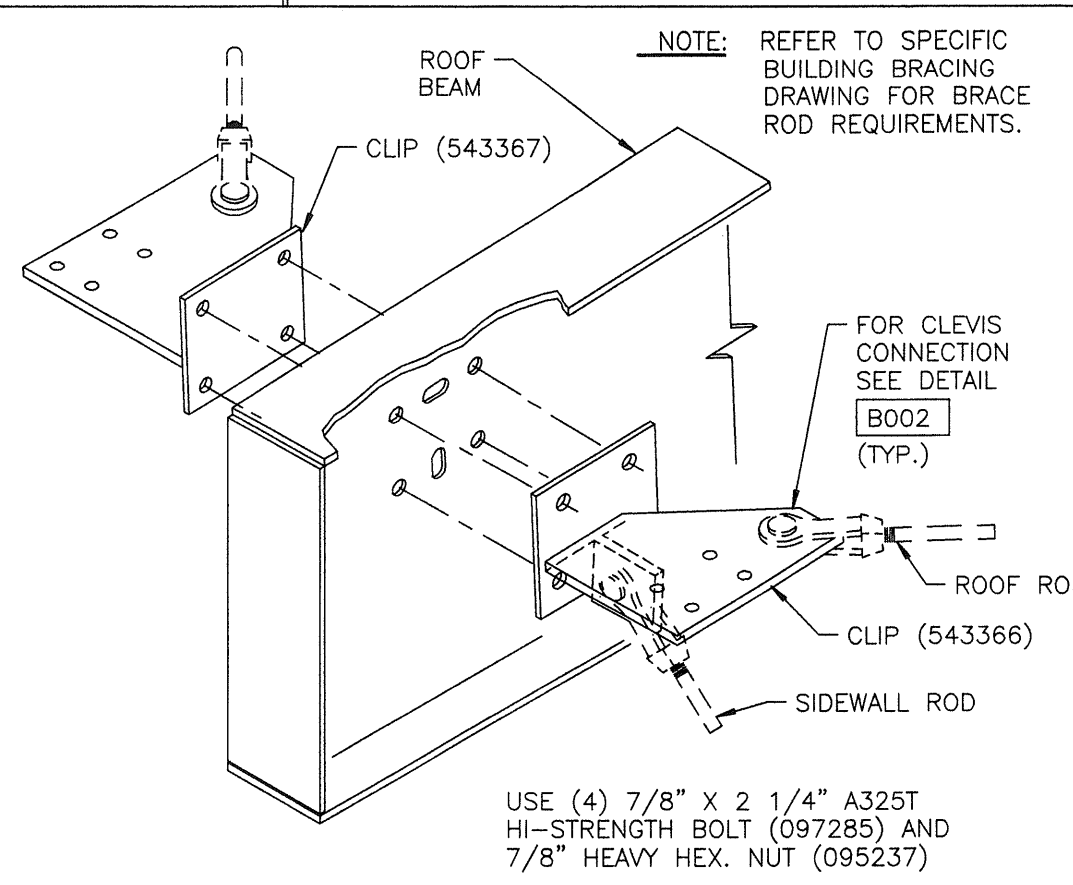
REV. DATE: 08/26/98 REV. NO. 02
DETAIL B002

TYPICAL CLEVIS CONNECTION



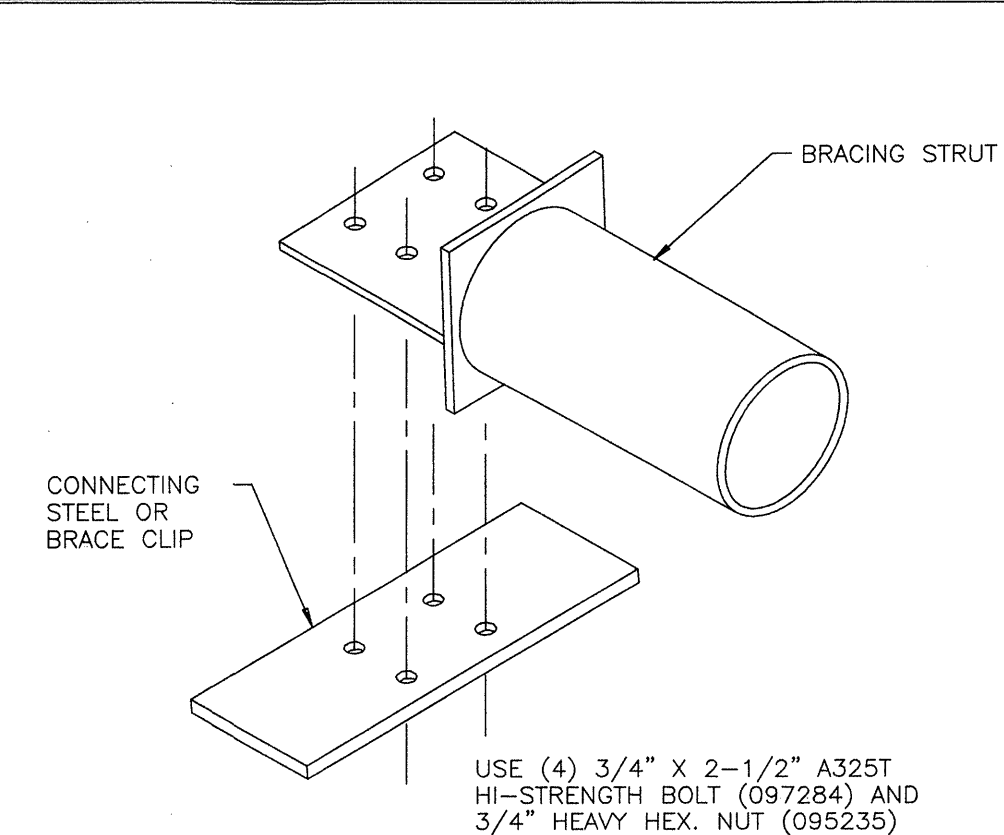
REV. DATE: 01/16/98 REV. NO. 01
DETAIL B105

BRACING CLIP CONNECTION LOW EAVE LOCATION-LOW SLOPE RANGE



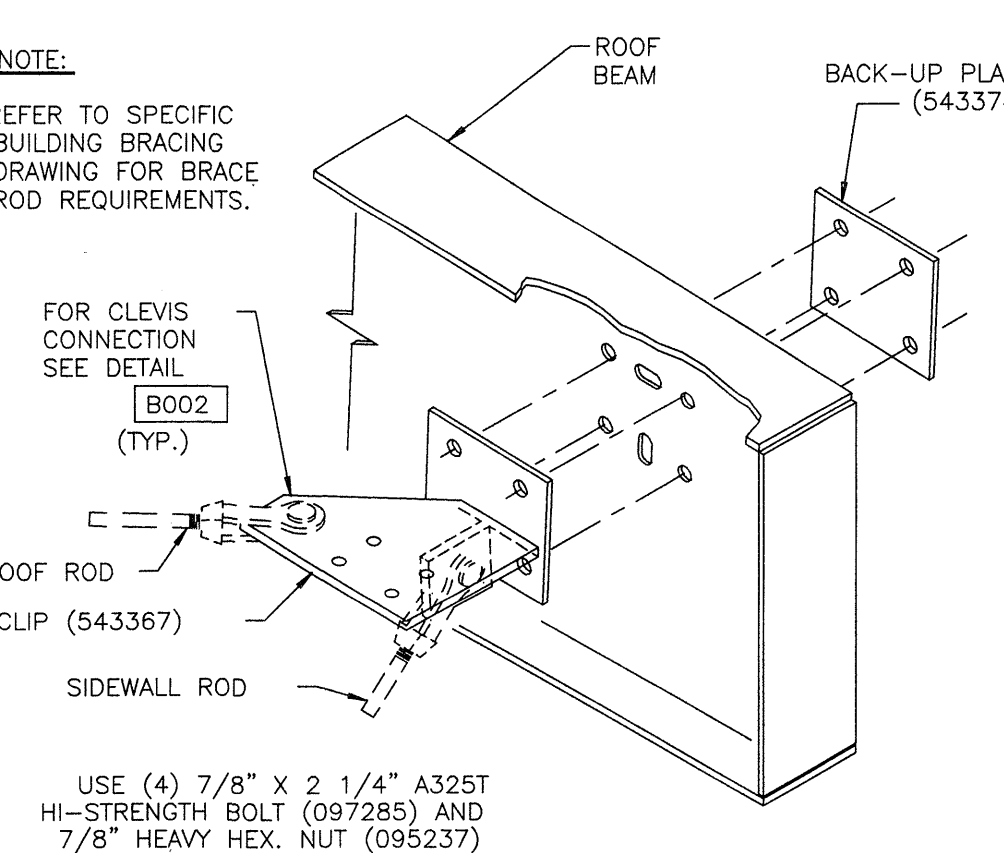
REV. DATE: 01/16/98 REV. NO. 01
DETAIL B134

BRACING CLIP CONNECTION LOW EAVE LOCATION-LOW SLOPE RANGE



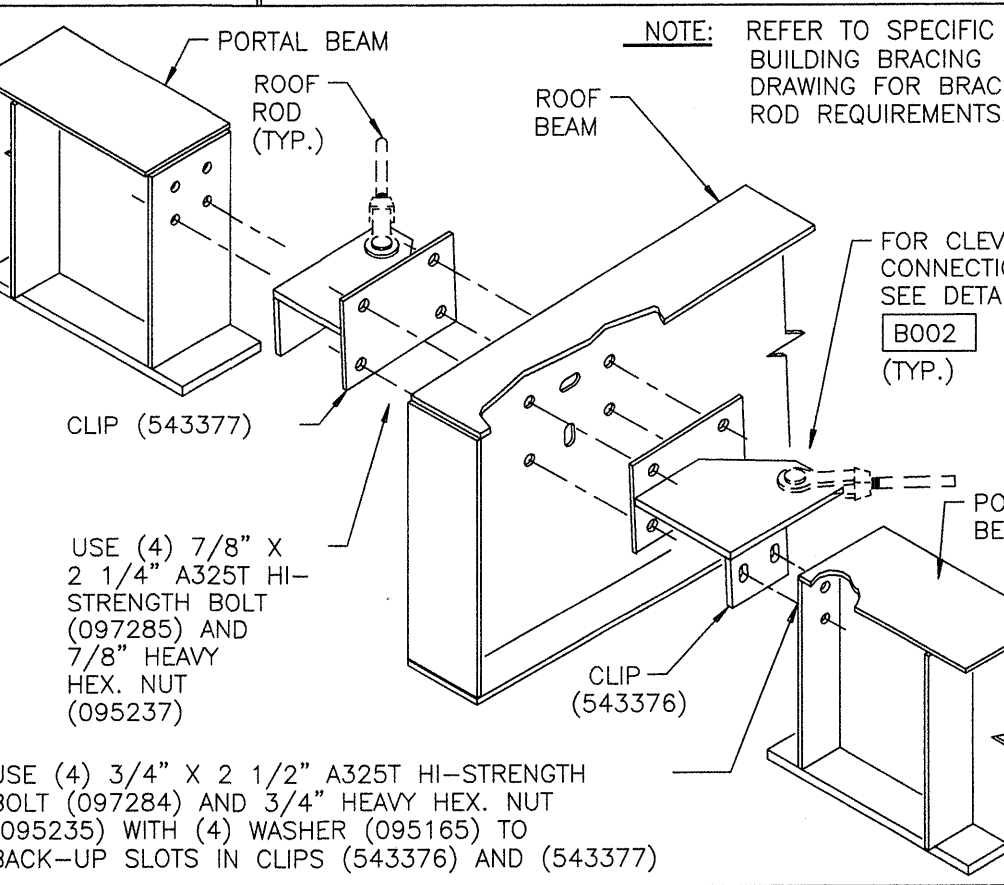
REV. DATE: 10/24/05 REV. NO. 02
DETAIL B004

TYPICAL BRACING STRUT CONNECTION



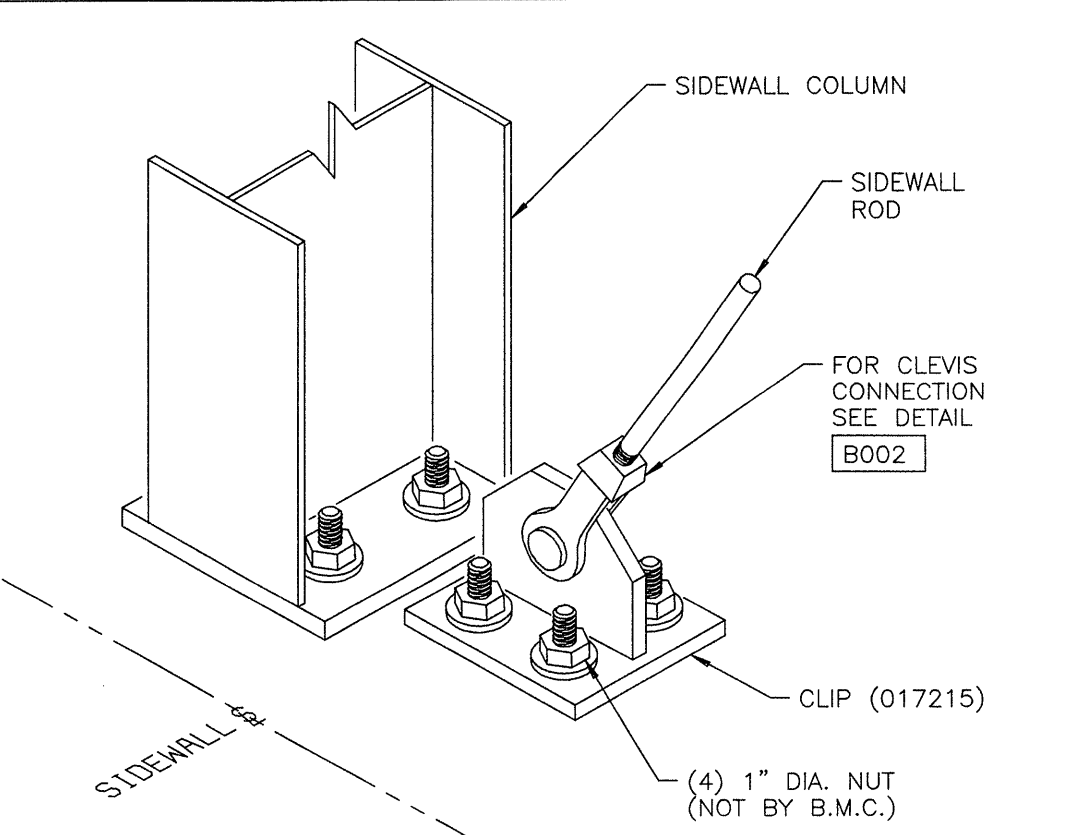
REV. DATE: 01/16/98 REV. NO. 01
DETAIL B106

BRACING CLIP CONNECTION LOW EAVE LOCATION - LOW SLOPE RANGE



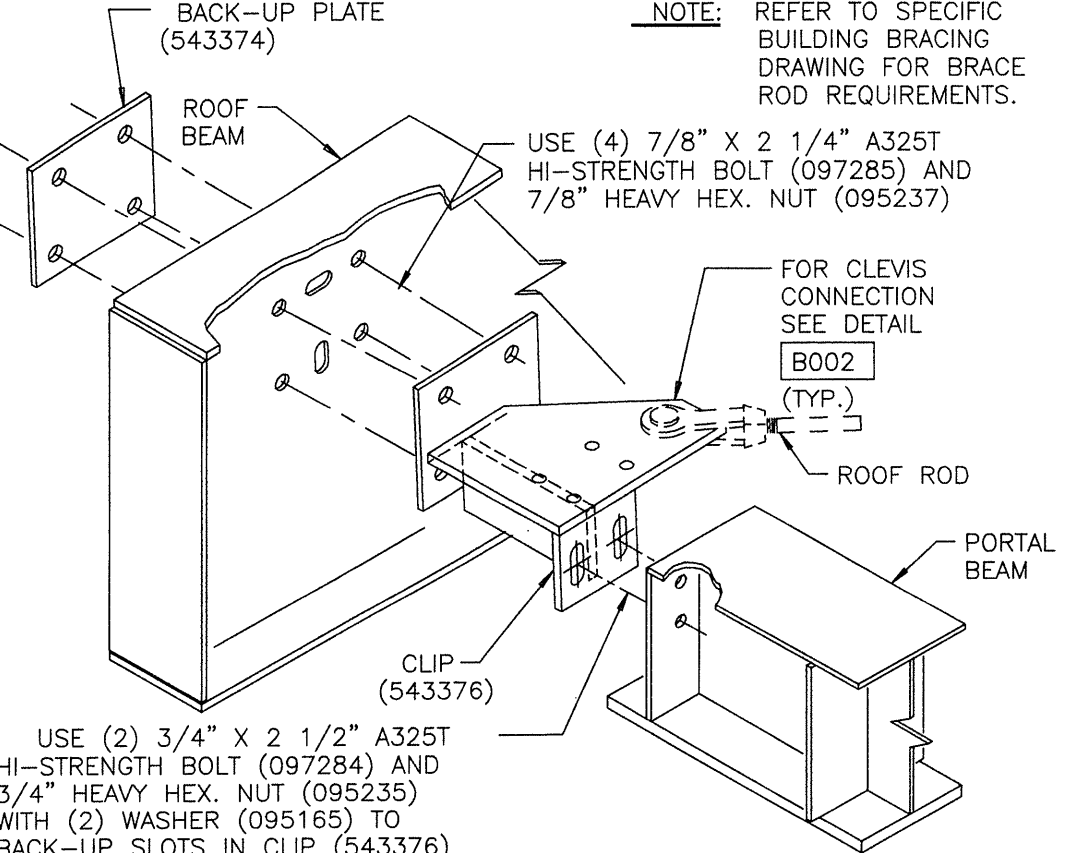
REV. DATE: 01/16/98 REV. NO. 01
DETAIL B137

PORTAL FRAME TOP CONNECTION AT EAVE BACK TO BACK BRACING AT LOW EAVE



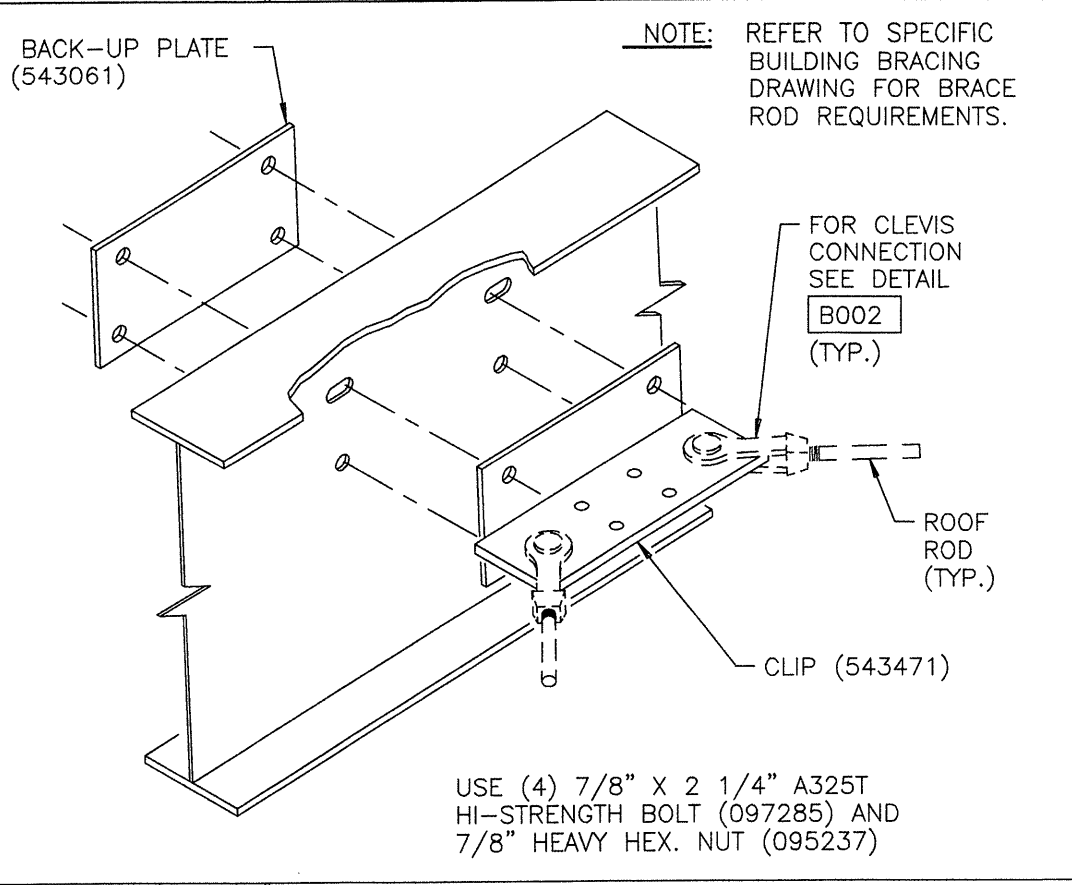
REV. DATE: 01/16/98 REV. NO. 01
DETAIL B016

CLEVIS CONNECTION AT FLOOR INTERMEDIATE BAY BRACING



REV. DATE: 01/16/98 REV. NO. 01
DETAIL B121

PORTAL FRAME TOP CONNECTION EAVE LOCATION



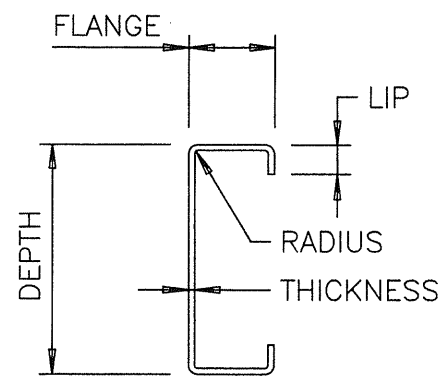
REV. DATE: 08/11/01 REV. NO. 01
DETAIL B324

BRACING CLIP CONNECTION INTERMEDIATE LOCATION



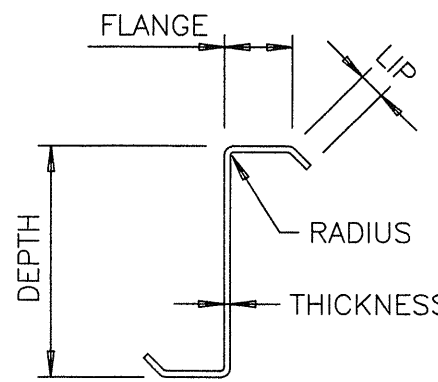
REVISION NO. 1		REVISION NO. 2		BUTLER BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE SPROD ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	PROJECT: SAN JOSE PUBLIC WORK BUILDING G SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 180X183X20 MRF 20# LL + 6#CLL 80 MPH EXP C CBC 01 SEISMIC ZONE 4, Sd	DRAWING TITLE: WIND BRACING DETAIL SHEET	DRW: CVCHOUANG		ENG:	
DATE: 02/20/06	1. INCORPORATED 9 RTU'S IN DESIGN	DATE:								CHK:		DATE: 01/24/06	
DRAWN BY: CVCHOUANG	2. ADD 1" GROUT TO ALL COLUMNS	DRAWN BY:								DRAWING NUMBER:			REV.
CHECKED BY:		CHECKED BY:								D 06-136659-03A			01

USERNAME: Christy V. Chouang 02-20-2006 15:23:29



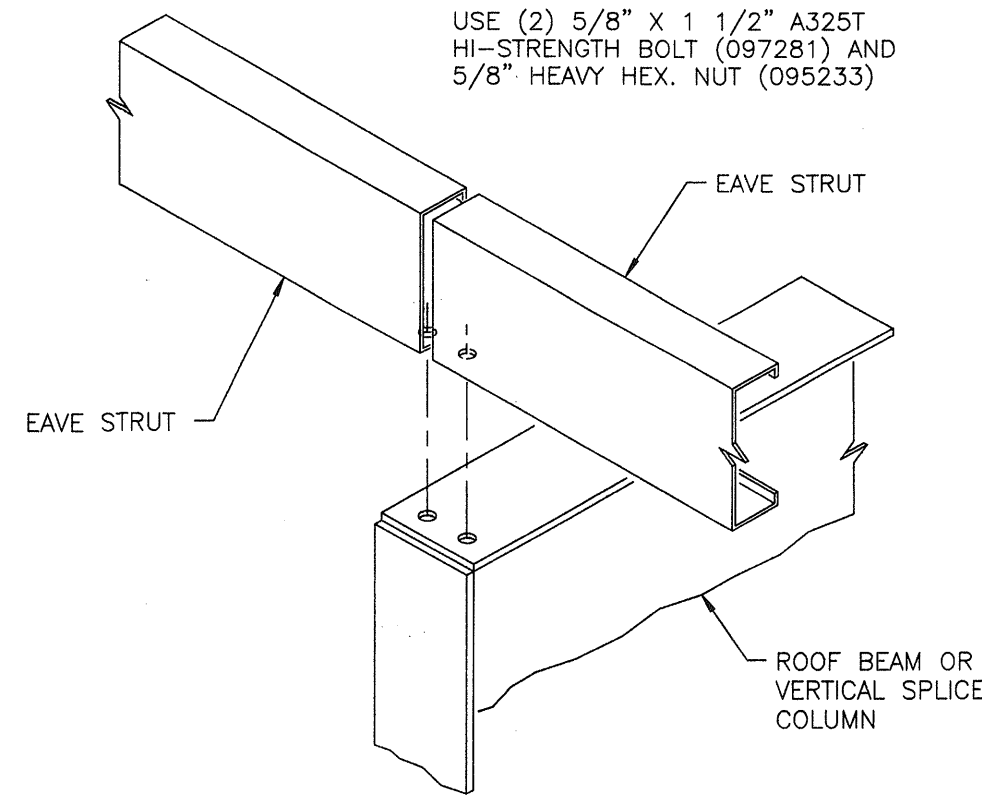
C - SECTION DESIGN INFORMATION

PART	DEPTH	FLANGE	LIP	THICKNESS	RADIUS
LS ES P 9.5X.067 540158	9 1/2"	3 1/2"	1"	.067"	5/16"
EAVE STRUT ES95067	9 1/2"	3 1/2"	1"	.067"	5/16"

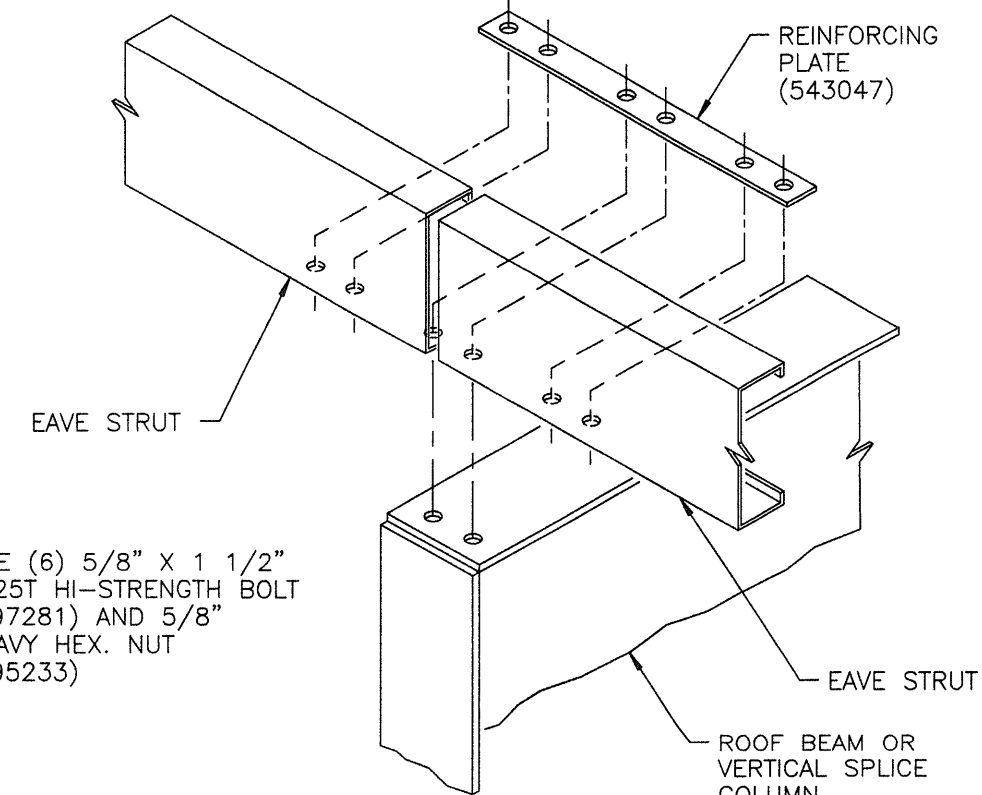


Z - SECTION DESIGN INFORMATION

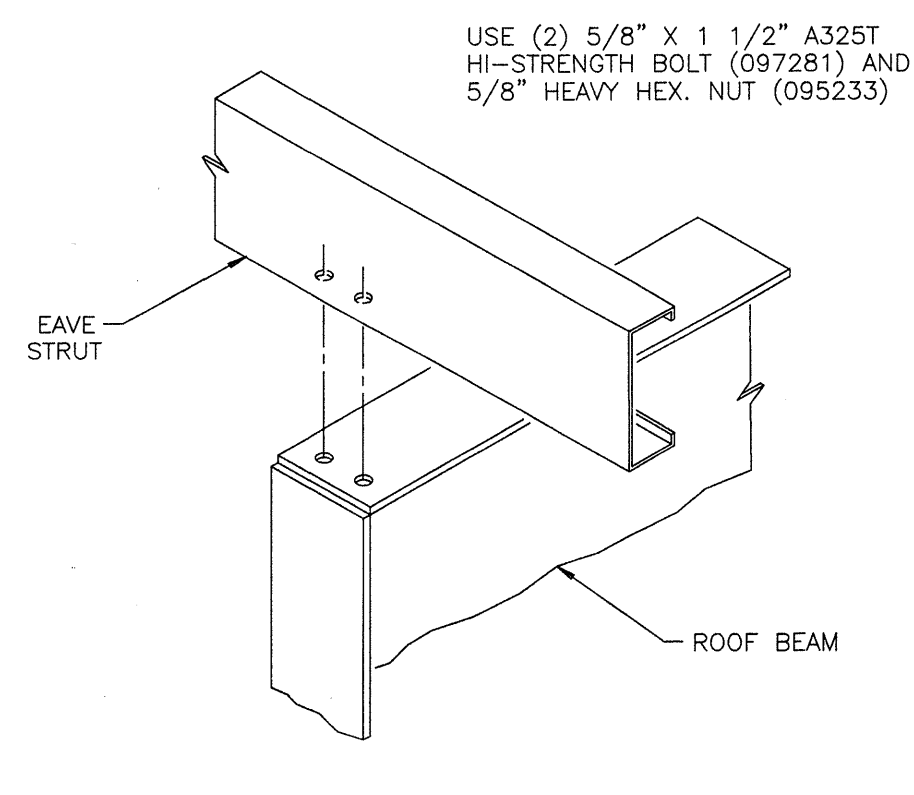
PART	DEPTH	FLANGE	LIP	THICKNESS	RADIUS
PUR P 9.5X.060 2CP 530899	9 1/2"	2 3/4"	1 1/16"	.060"	1/4"
PUR P 9.5X.067 2CP 530900	9 1/2"	2 3/4"	1 1/16"	.067"	1/4"
PUR P 9.5X.077 2CP 530901	9 1/2"	2 3/4"	1 1/16"	.077"	1/4"
PURLIN PU95060	9 1/2"	2 3/4"	1 1/16"	.060"	1/4"



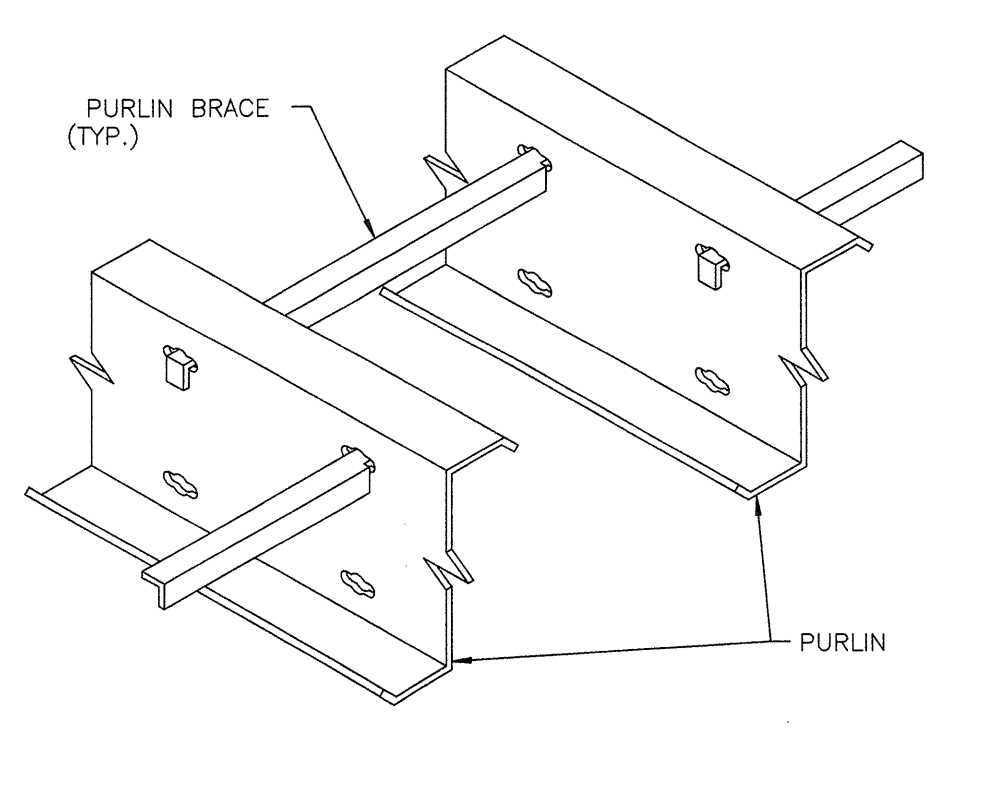
REV. DATE: 01/15/98 REV. NO. 01
DETAIL F124 EAVE STRUT CONNECTION TO INTERM. FRAME



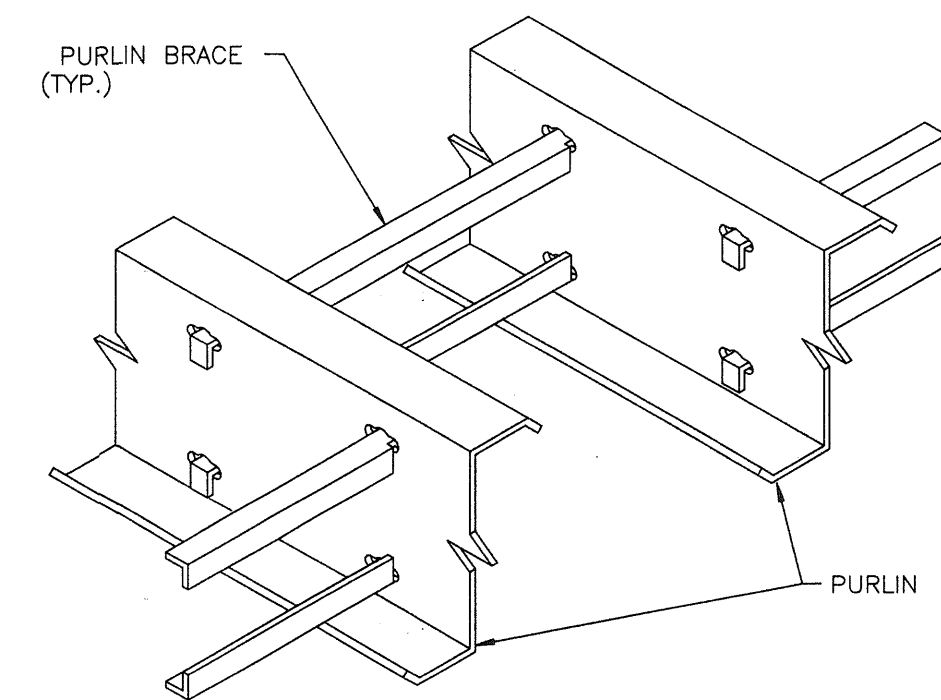
REV. DATE: 01/15/98 REV. NO. 01
DETAIL F125 EAVE STRUT CONNECTION TO INTERM. FRAME STRUT CONNECTION



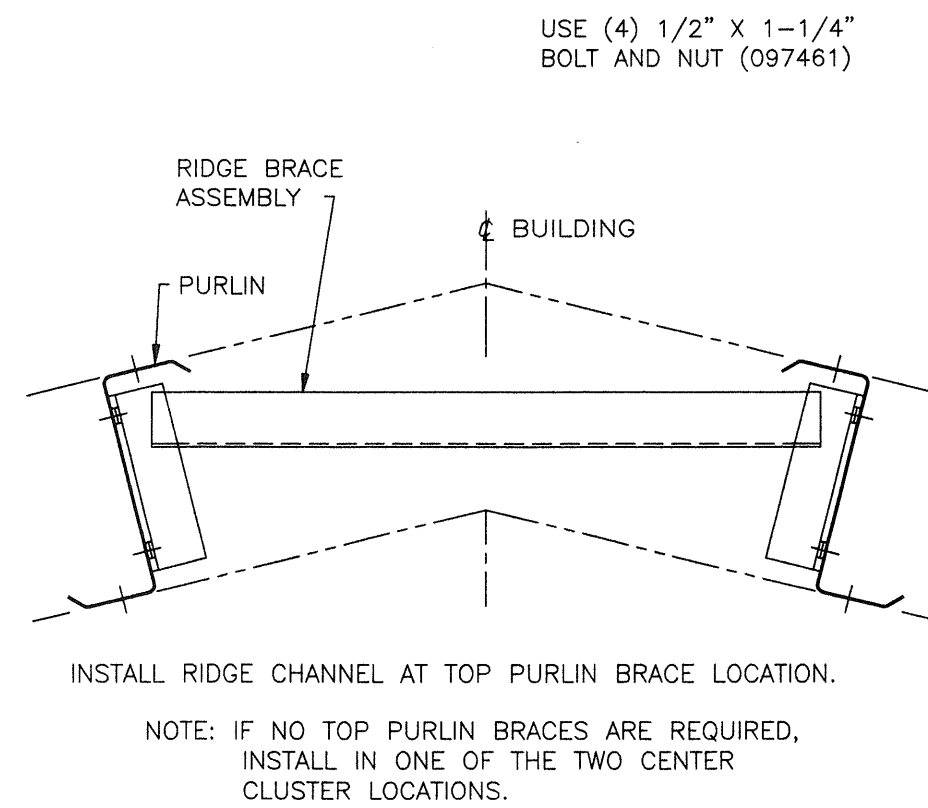
REV. DATE: 01/15/98 REV. NO. 01
DETAIL F128 EAVE STRUT CONN. TO INT. FRAME ENDWALL



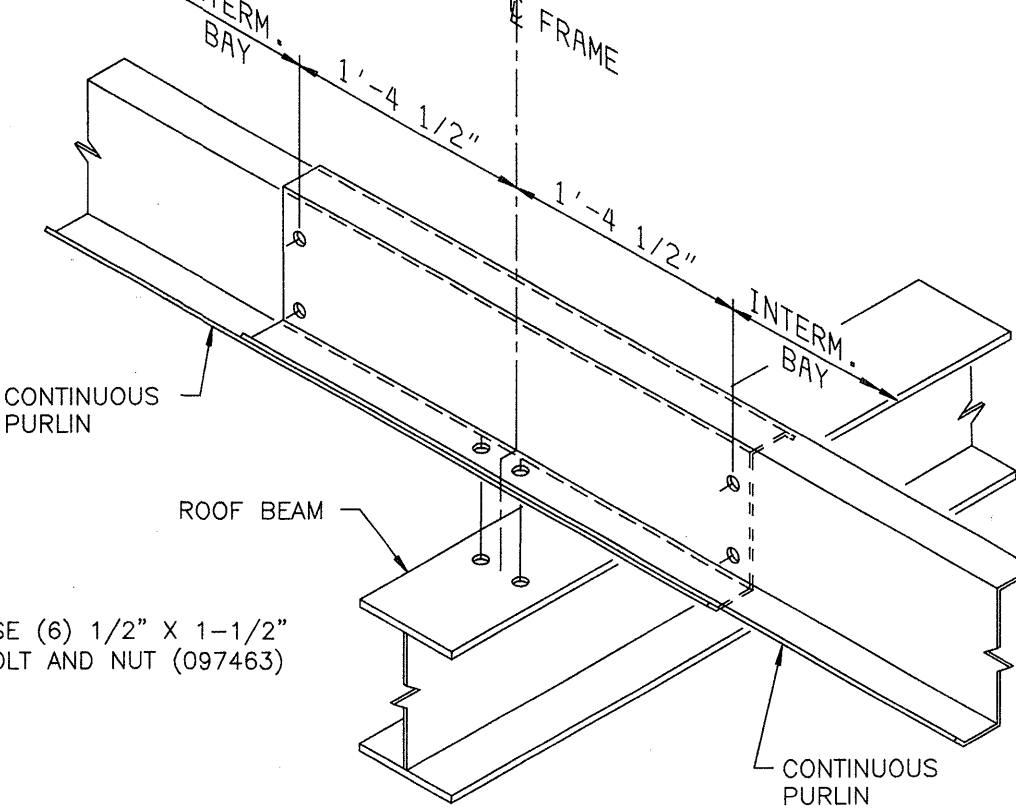
REV. DATE: 01/15/98 REV. NO. 01
DETAIL F152 PURLIN BRACE TOP ROW



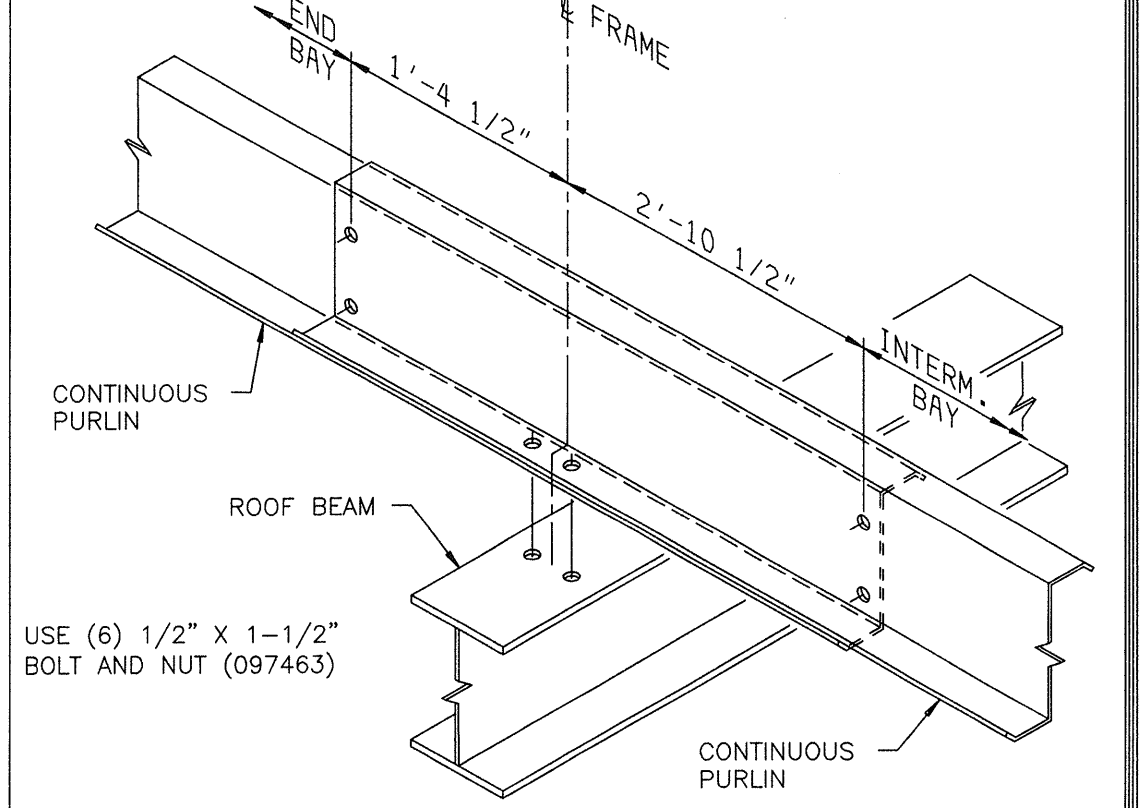
REV. DATE: 08/22/05 REV. NO. 02
DETAIL F154 PURLIN BRACE TOP AND BOTTOM ROW



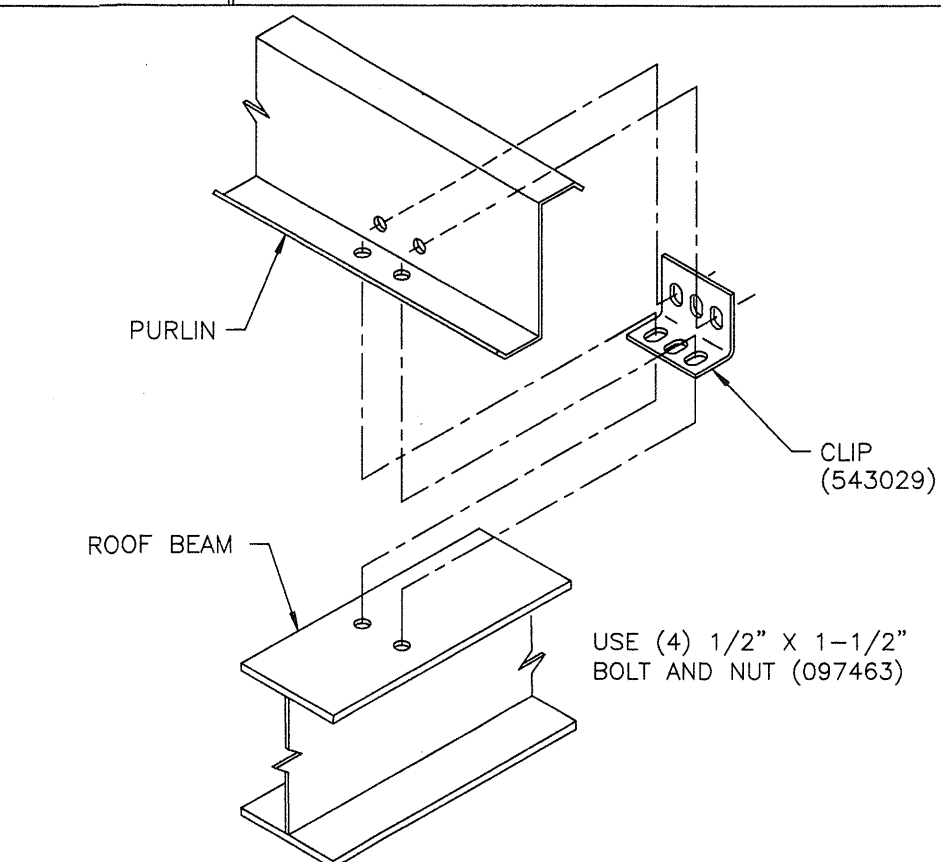
REV. DATE: 08/22/05 REV. NO. 03
DETAIL F262 RIDGE CHANNEL CONNECTION



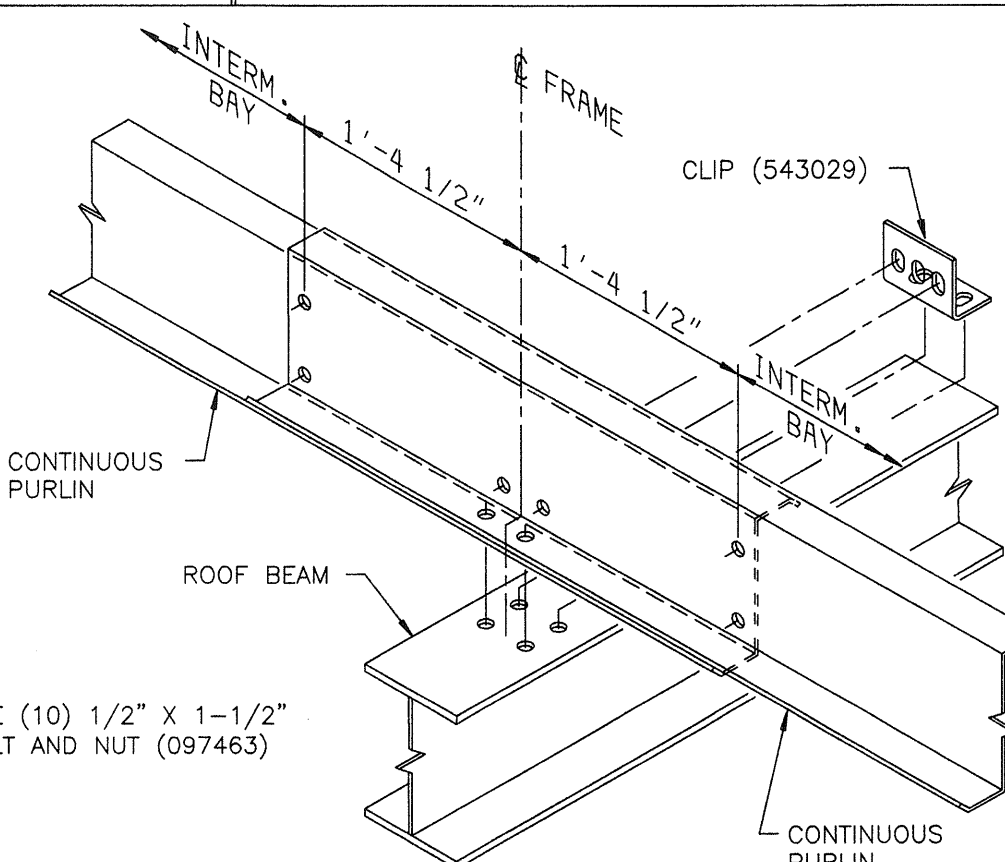
REV. DATE: 08/22/05 REV. NO. 01
DETAIL F384 CONTINUOUS SPAN PURLIN CONNECTION INTERMEDIATE LOCATION - 9-1/2" PURLIN



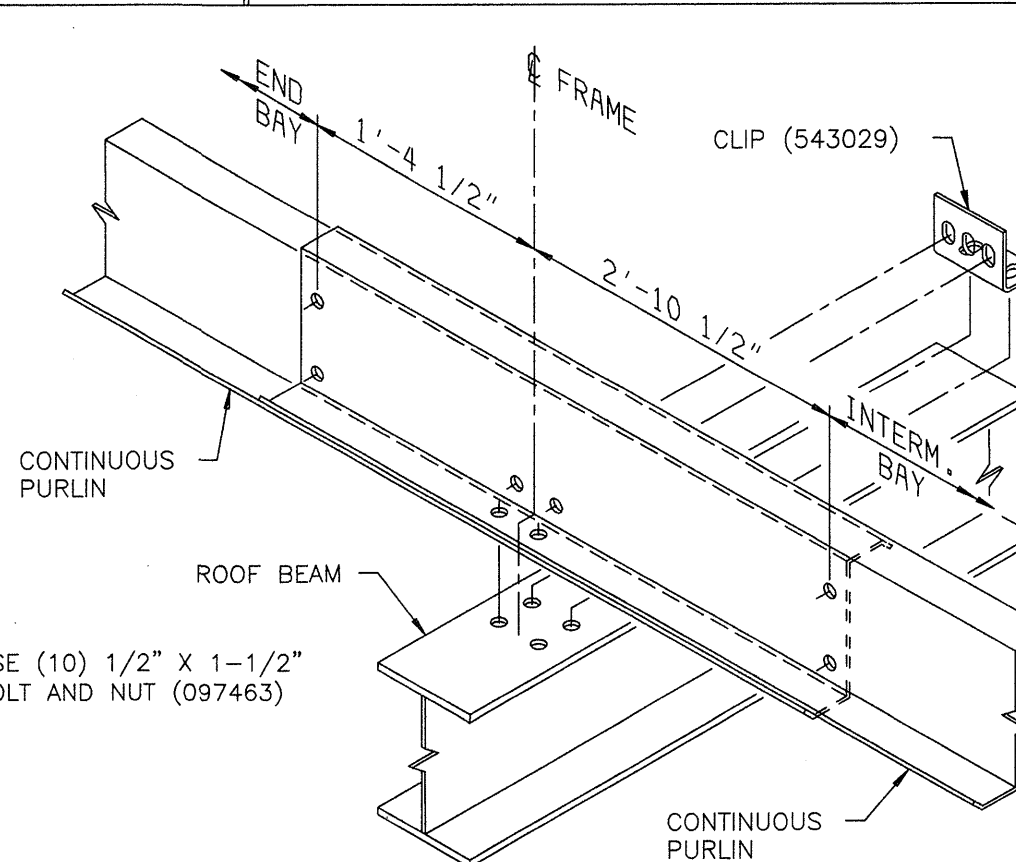
REV. DATE: 08/22/05 REV. NO. 01
DETAIL F386 CONTINUOUS SPAN PURLIN CONNECTION END BAY LOCATION - 9-1/2" PURLIN



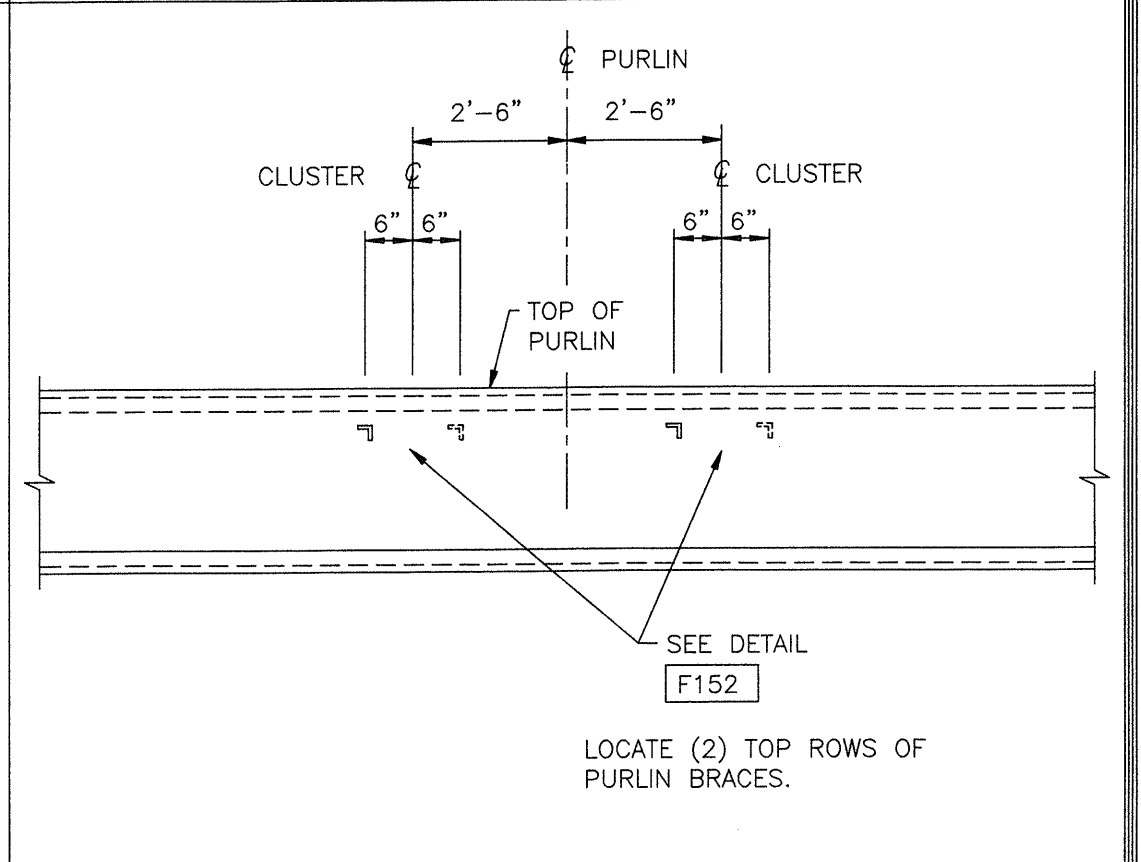
REV. DATE: 08/22/05 REV. NO. 01
DETAIL F393 PURLIN CONNECTION TO EW ROOF BEAM



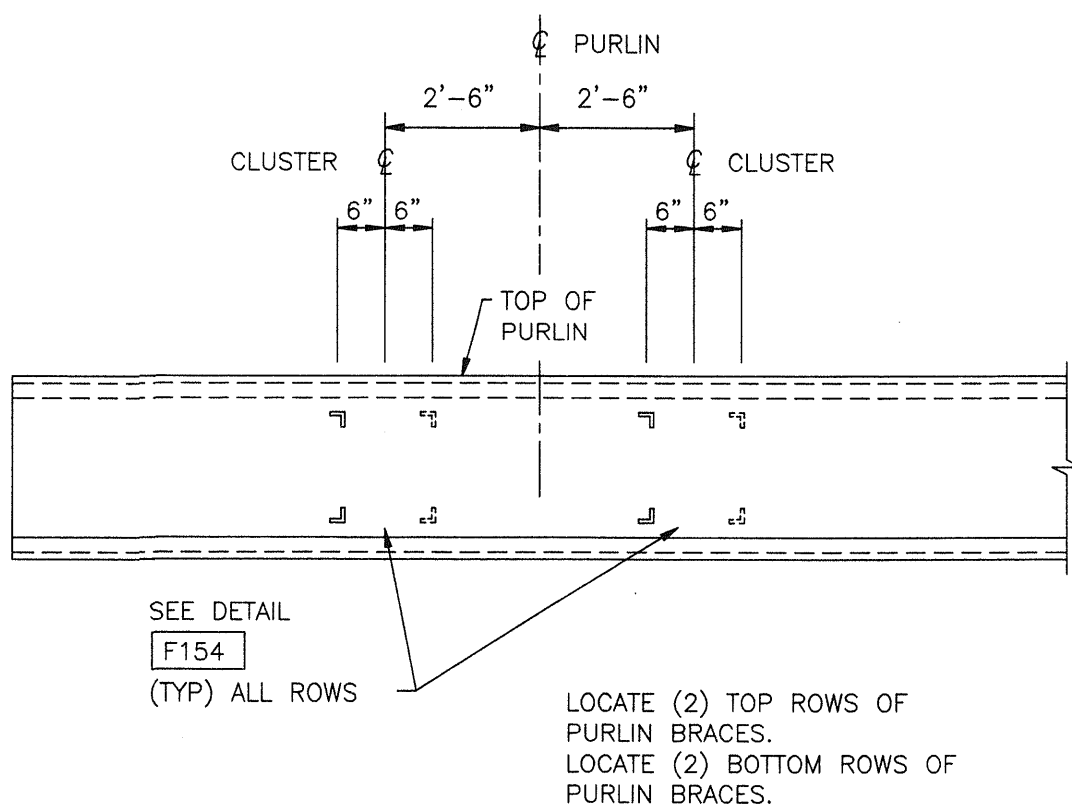
REV. DATE: 08/22/05 REV. NO. 01
DETAIL F413 CONTINUOUS SPAN PURLIN CONNECTION INTERMEDIATE BAY STRUT LOCATION W/ CLIP



REV. DATE: 08/22/05 REV. NO. 01
DETAIL F414 CONTINUOUS SPAN PURLIN CONNECTION END BAY 9-1/2" PURLIN STRUT CONNECTION W/CLIP



REV. DATE: 03/08/01 REV. NO. 00
DETAIL F439 PURLIN BRACE LAYOUT (2) ROWS TOP - (0) ROWS BOTTOM



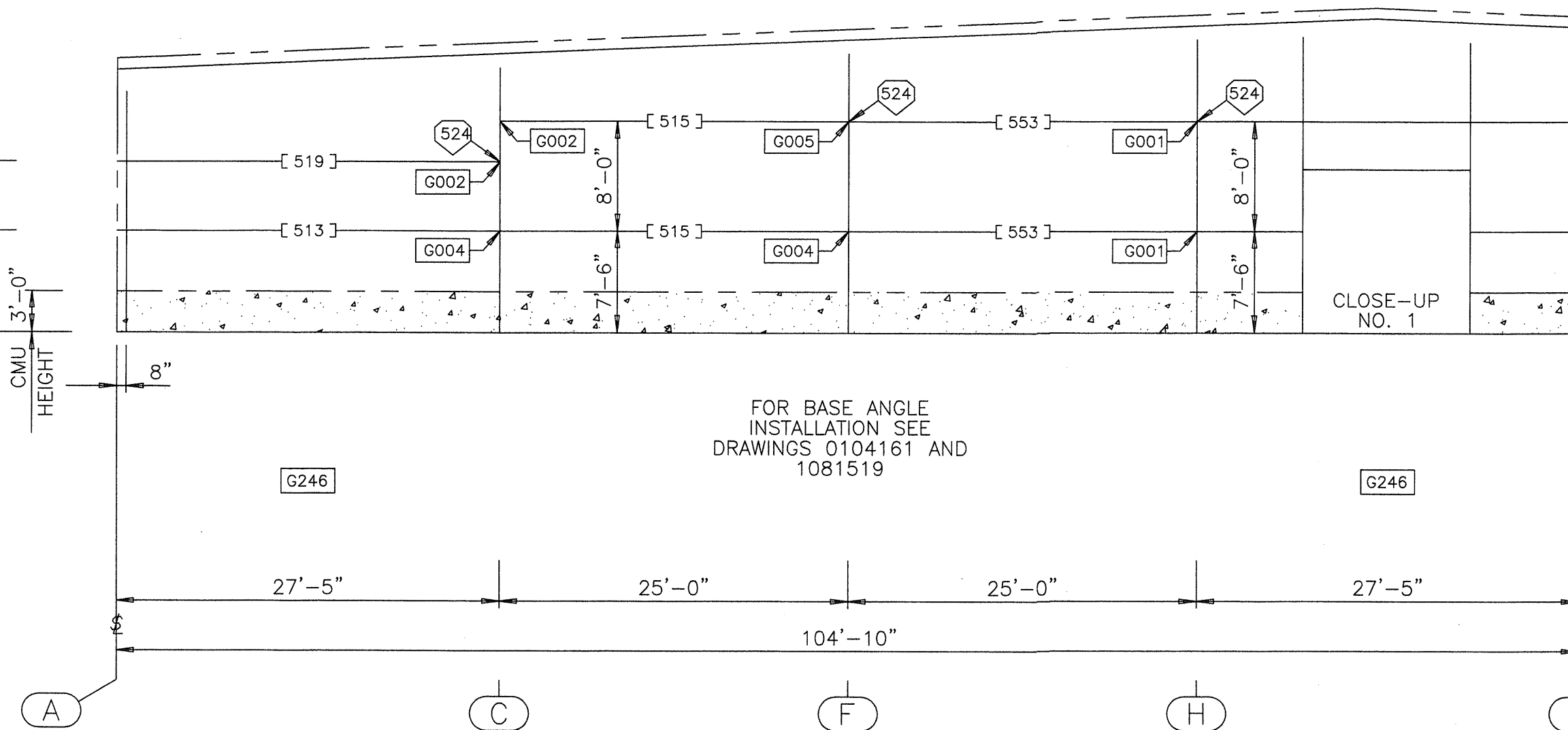
REV. DATE: 03/08/01 REV. NO. 00
DETAIL F440 PURLIN BRACE LAYOUT (2) ROWS TOP - (2) ROWS BOTTOM



REVISION NO. 1		REVISION NO. 2		BUTLER BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE PRONO ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBIDGE, CA	PROJECT: SAN JOSE PUBLIC WORK BUILDING G SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 180X183X20 MRF 20# LL + 6#CLL 80 MPH EXP C CBC 01 SEISMIC ZONE 4, Sd	DRAWING TITLE: ROOF SECONDARY STRUCTURAL DETAIL SHEET	DRW: CVCHOUANG		ENG:	
DATE: 02/20/06	1. INCORPORATED 9 RTU'S IN DESIGN	DATE:								CHK:		DATE: 01/24/06	
DRAWN BY: CVCHOUANG	2. ADD 1" GROUT TO ALL COLUMNS	DRAWN BY:								DRAWING NUMBER:		REV.	
CHECKED BY:		CHECKED BY:								D 06-136659-04A		01	

1/2 12

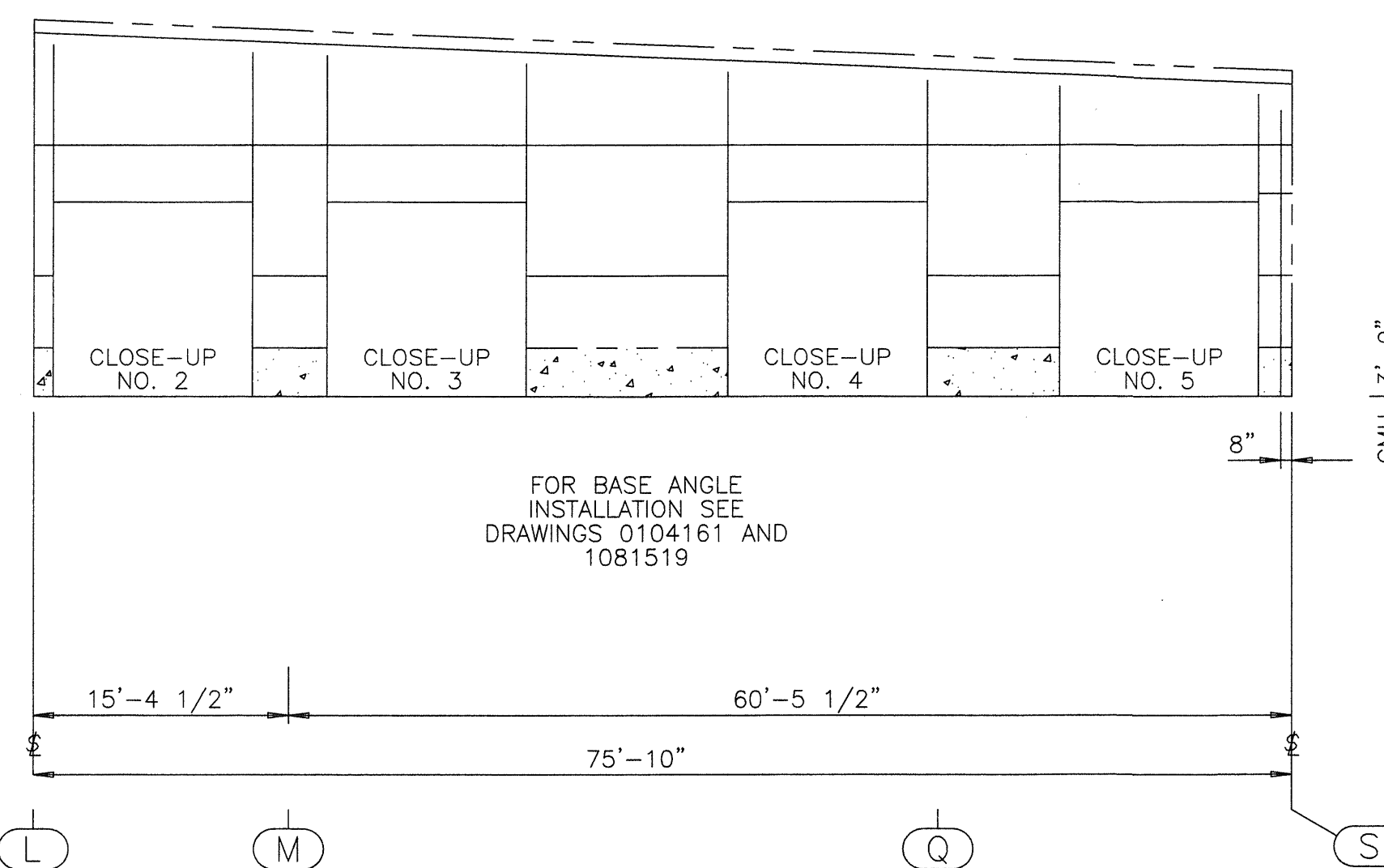
7'-6" 5'-0" 3'-0" 8" CMU HEIGHT



FRONT EW STRUCTURAL ELEVATION AT GRID 1

FOR GABLE ANGLE
INSTALLATION SEE
DRAWING 1080944

FOR BASE ANGLE
INSTALLATION SEE
DRAWINGS 0104161 AND
1081519



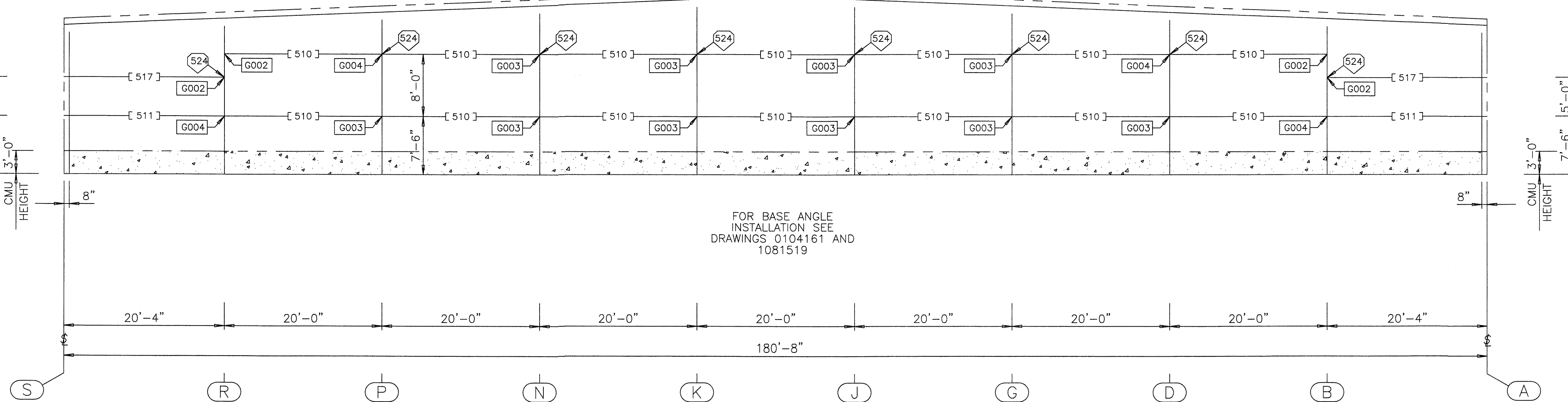
FRONT EW STRUCTURAL ELEVATION AT GRID 2

FOR GABLE ANGLE
INSTALLATION SEE
DRAWING 1080944

FOR BASE ANGLE
INSTALLATION SEE
DRAWINGS 0104161 AND
1081519

1/2 12

7'-6" 5'-0" 3'-0" 8" CMU HEIGHT



REAR EW STRUCTURAL ELEVATION AT GRID 9

PART SCHEDULE

[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
504	P/G U 8X.096 2CP	530926 XXX-X	11'-2"	
506	P/G U 8X.060 2CP	530923 136-0	11'-4"	
510	P/G U 8X.060 2CP	530923 263-4	21'-11 1/2"	
511	P/G U 8X.060 2CP	530923 267-4	22'-3 1/2"	
513	P/G U 8X.082 2CP	530925 352-4	29'-4 1/2"	
515	P/G U 8X.060 2CP	530923 XXX-X	26'-11 1/2"	
517	P/G U 8X.096 2CP	530926 XXX-X	20'-3 1/2"	
519	P/G U 8X.113 2CP	530927 XX-X	27'-4 1/2"	
527	DR GRT UP 8 X .060	550317 044-0	3'-8"	
532	DR GRT UP 8 X .060	550317 082-6	6'-10 3/4"	
534	DR GRT UP 8 X .060	550317 085-6	7'-1 3/4"	
535	DR GRT UP 8 X .060	550317 086-0	7'-2"	
537	DR GRT UP 8 X .060	550317 098-0	8'-2"	
539	DOOR HEADER 12IN	580387 143-4	11'-11 1/2"	
543	DOOR POST .081X12	580704 254-4	21'-2 1/2"	
544	DOOR POST .081X12	580704 259-2	21'-7 1/4"	
545	DOOR POST .1211X12	580XXX XX-X	XXXXXX	
553	P/G U 8X.082 2CP	530925 352-4	26'-11 1/2"	
554	P/G U 8X.082 2CP	530925 352-4	XXXXXX	

FLANGE BRACE SCHEDULE

◊	PART NO. FRONT/LEFT	PART NO. REAR/RIGHT	DIM. "Y"	DETAIL	FIELD WORK ▲
524	545100		10 1/2"	C347	

STANDARD NOTES:

- WS0006 FILL ALL OPEN HOLES IN DOOR POST WEBS WITH PLASTIC SNAP-IN PLUGS (097229).
- WS0014 UNPUNCHED GIRTS ARE SUPPLIED AT OVERHEAD OR SLIDE DOORS. PUNCHED WALL SYSTEMS REQUIRE THE FIELD DRILLING OF THE 5/16" PANEL ATTACHMENT HOLES IN THE GIRT FLANGE.

- WS0023 I M P O R T A N T

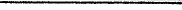
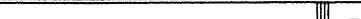
REFER TO PRONTO DETAIL G047 FOR PROPER GIRT ALIGNMENT.

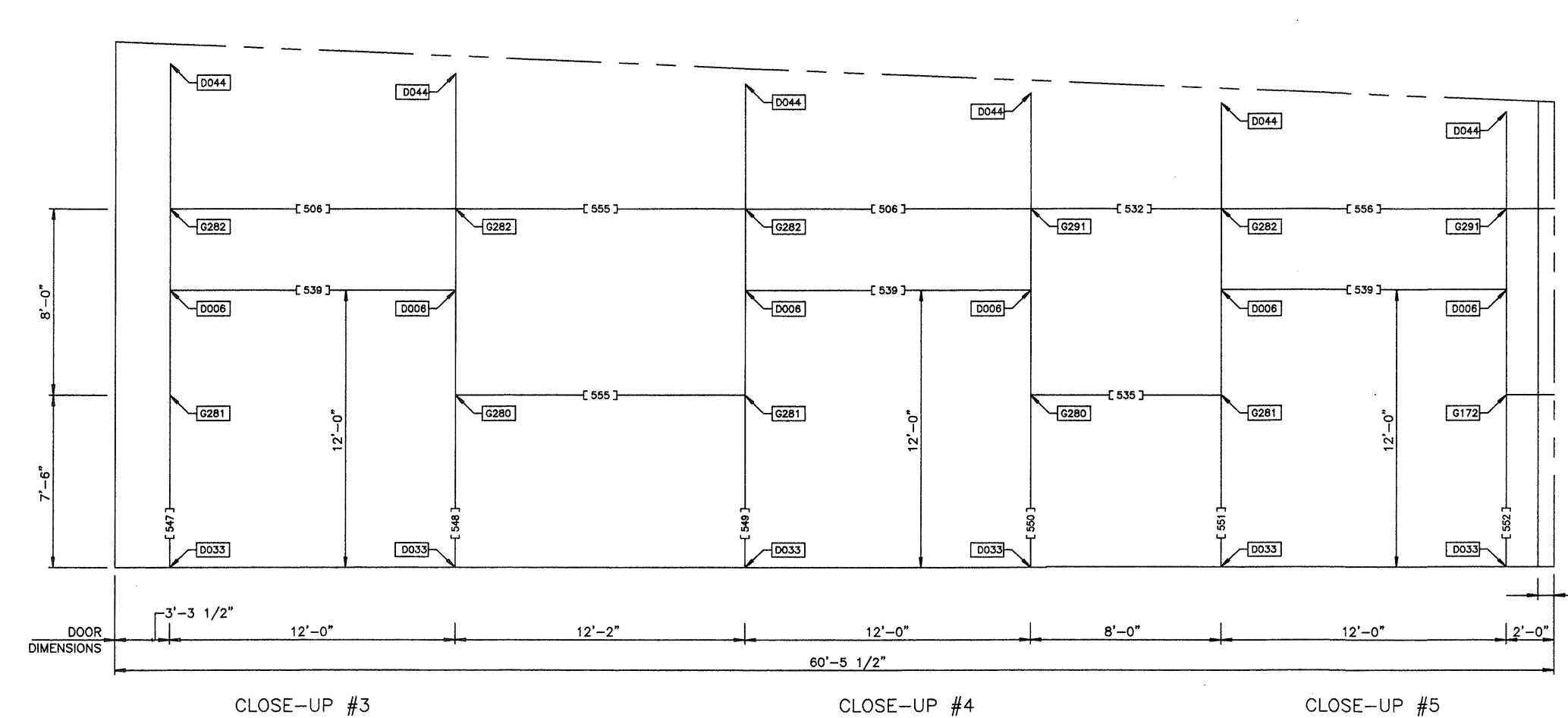
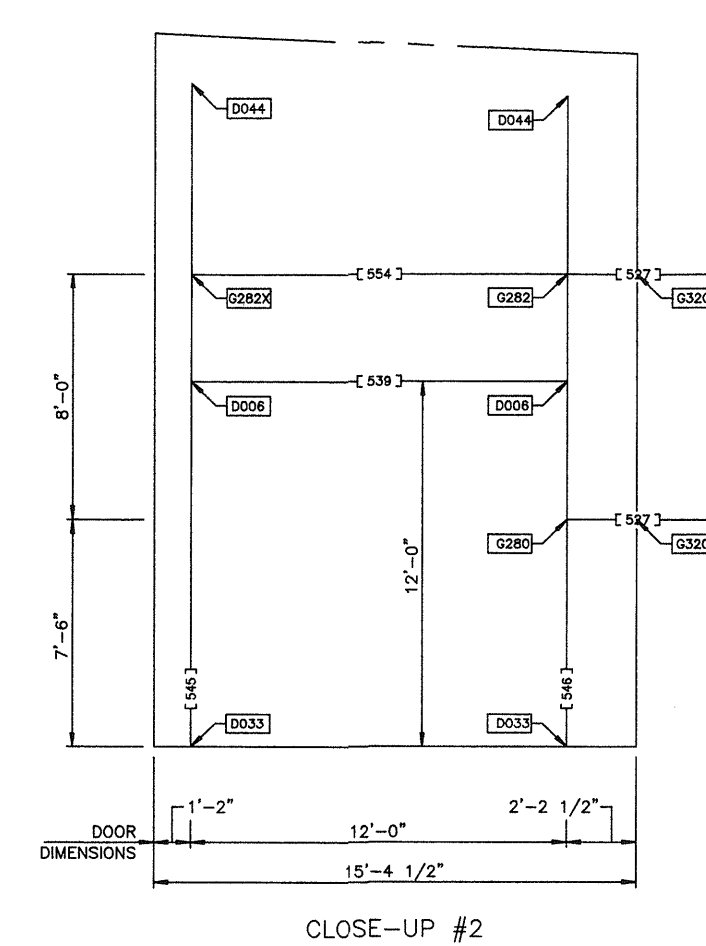
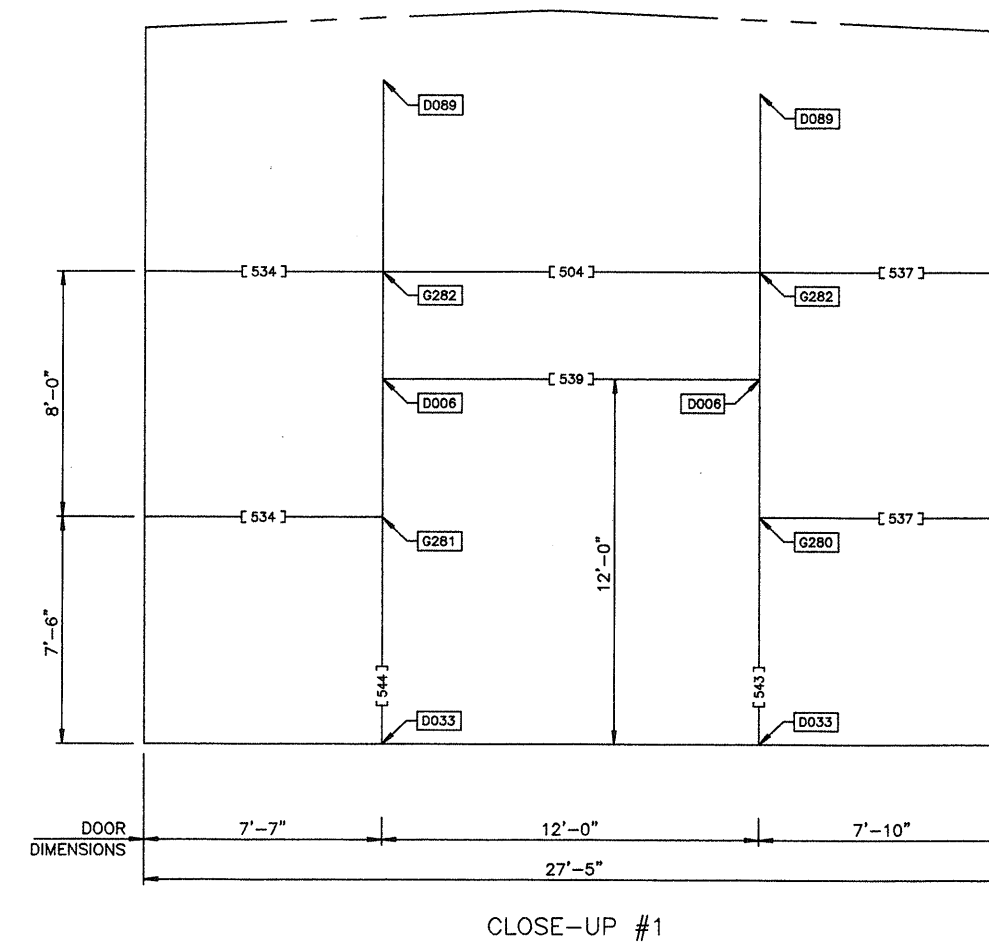
- WS0026 1/2" DIA. BOLTS AND NUTS ARE FURNISHED AS AN ASSEMBLY. THE DRAWINGS CALL OUT THESE BOLTS AND NUTS BY THEIR COMPONENT NO'S. ASSEMBLY CONTAINS

- 0097461 1/2X1-1/4 BOLT (0095085) AND NUT (0095032)
0097462 1/2X1-1/4 THN HD BOLT (0096636) AND NUT (0095032)
0097463 1/2X1-1/2 BOLT (0095195) AND NUT (0095032)
0097464 1/2X1-3/4 GALV BOLT (0095331) AND (0095032)
0097465 1/2X2 A325T BOLT (0097280) AND (0095230)



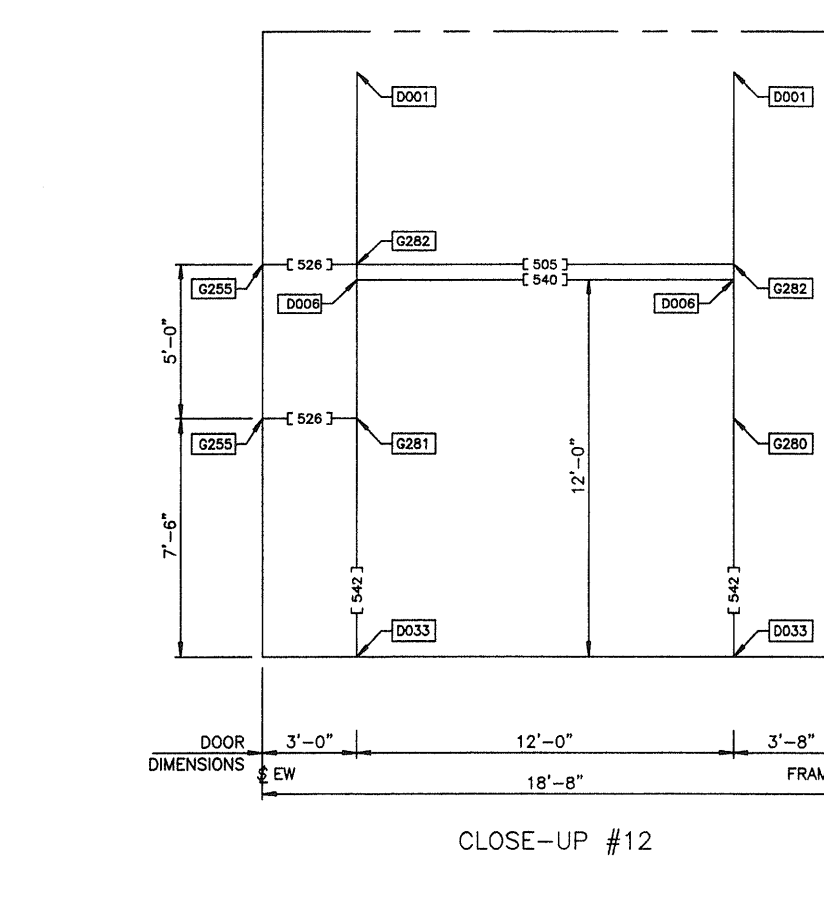
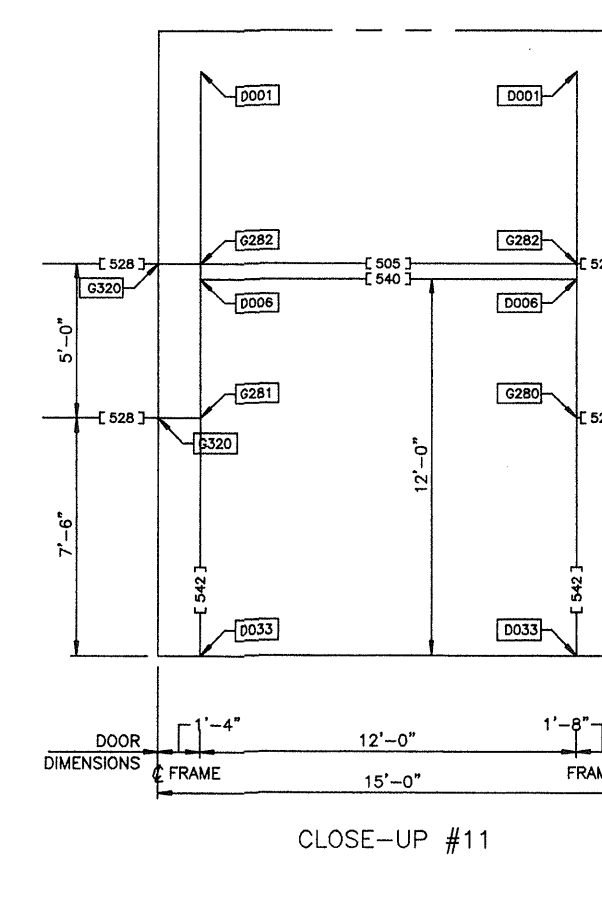
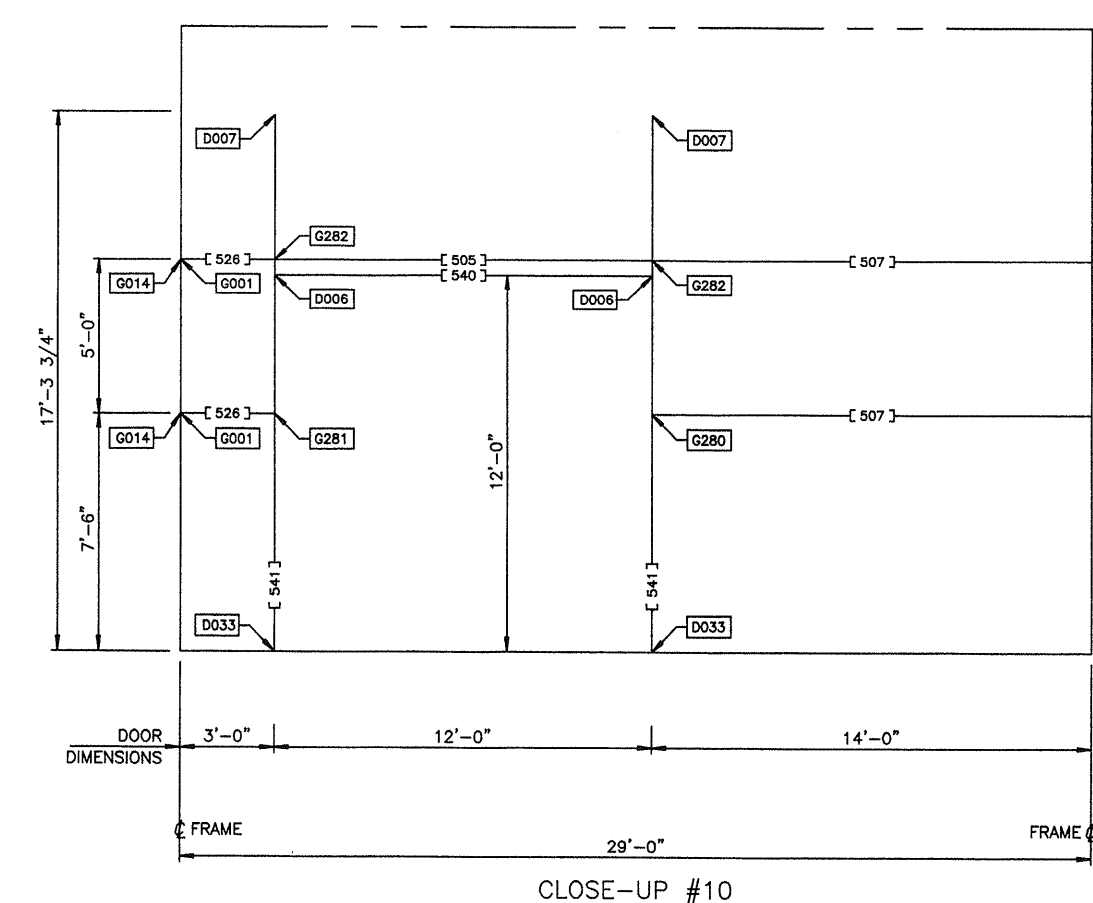
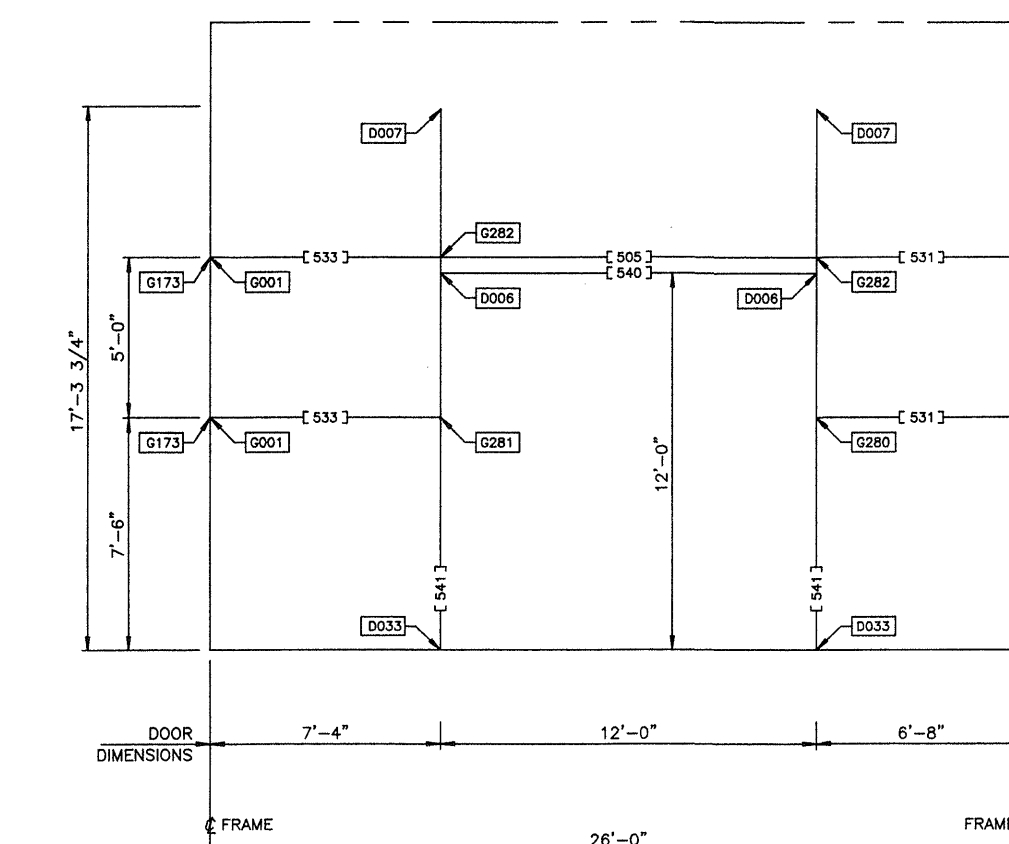
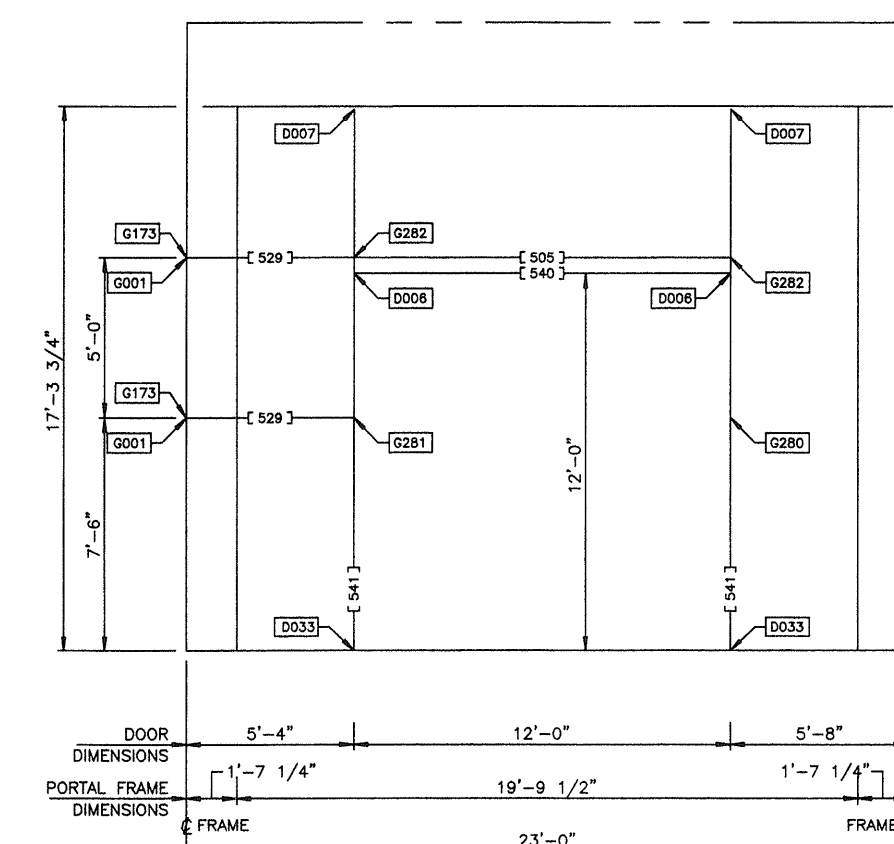
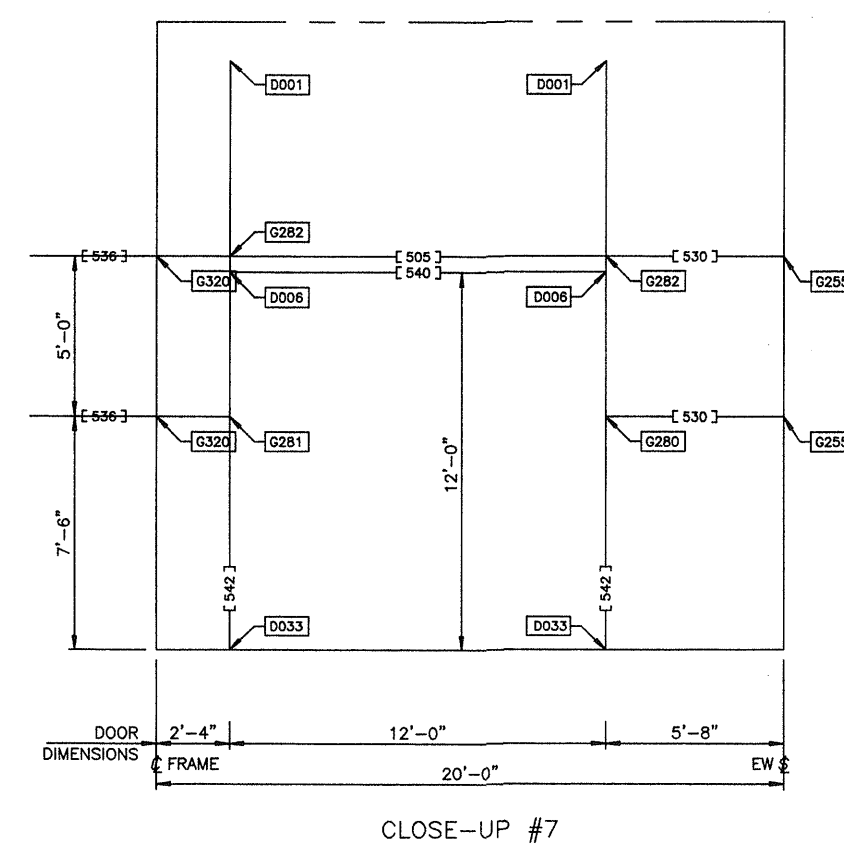
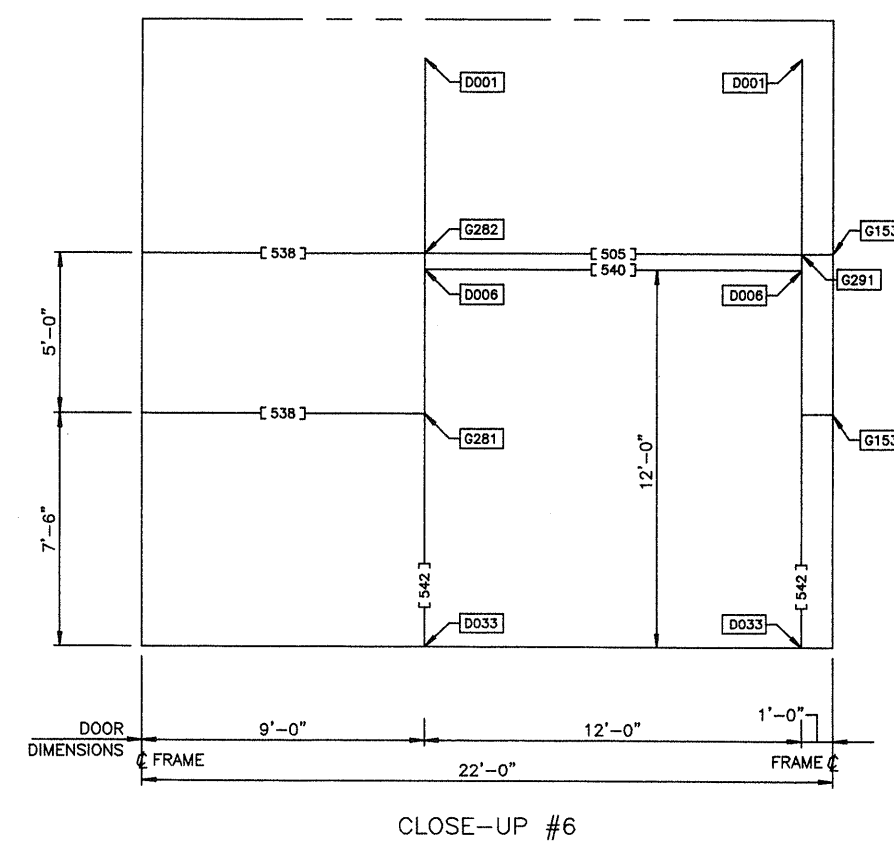
USERNAME: Christy V. Chouang 02-20-2006 15:23:44

REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE  ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: CVCHOUANG	ENG:	
DATE: 02/20/06	1. INCORPORATED 9 RTU'S IN DESIGN	DATE:				DIEDE CONSTRUCTION, INC WOODBIDGE, CA	SAN JOSE PUBLIC WORK BUILDING G SAN JOSE, CA	180X183X20 MRF 20# LL + 6#CLL 80 MPH EXP C CBC 01 SEISMIC ZONE 4, Sd	WALL SECONDARY STRUCTURAL ELEVATION	CHK:	DATE: 01/25/06	
DRAWN BY: CVCHOUANG	2. ADD 1" GROUT TO ALL COLUMNS	DRAWN BY:								DRAWING NUMBER:		REV.
CHECKED BY:		CHECKED BY:								06-136659-05		01



CLOSE-UP #4

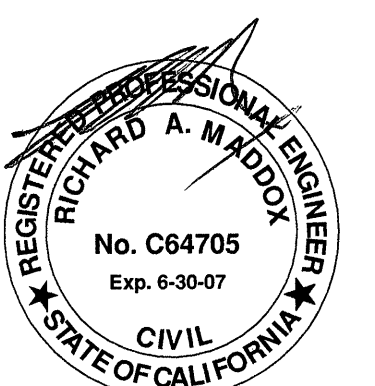
CLOSE-UP #5



PART SCHEDULE

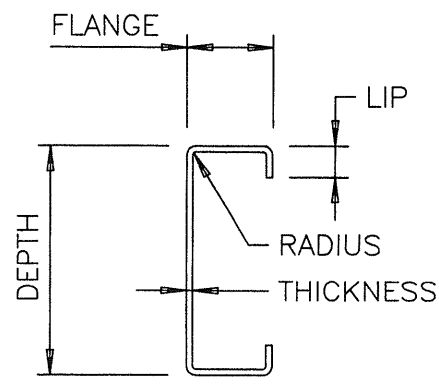
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
504	P/G U 8X.096 2CP	530XXX XXX-X	11'-2"	
506	P/G U 8X.060 2CP	530923 136-0	11'-4"	
527	DR GRT UP 8 X .060	550317 044-0	3'-8"	
534	DR GRT UP 8 X .060	550317 085-6	7'-1 3/4"	
535	DR GRT UP 8 X .060	550317 086-0	7'-2"	
537	DR GRT UP 8 X .060	550317 098-0	8'-2"	
539	DOOR HEADER 12IN	580387 143-4	11'-11 1/2"	
543	DOOR POST .081X12	580704 254-4	21'-2 1/2"	
544	DOOR POST .081X12	580704 259-2	21'-7 1/4"	
545	DOOR POST .121X12	XXXXXX XXX-X	XXXXXX	
546	DOOR POST .081X12	XXXXXX XXX-X	XXXXXX	
547	DOOR POST .081X12	XXXXXX XXX-X	XXXXXX	
548	DOOR POST .081X12	XXXXXX XXX-X	XXXXXX	
549	DOOR POST .081X12	XXXXXX XXX-X	XXXXXX	
550	DOOR POST .081X12	XXXXXX XXX-X	XXXXXX	
551	DOOR POST .081X12	XXXXXX XXX-X	XXXXXX	
552	DOOR POST .081X12	XXXXXX XXX-X	XXXXXX	
554	P/G U 8X.082 2CP	530925 XXX-X	XXXXXX	
555	P/G U 8X.060 2CP	530923 XXX-X	XXXXXX	
556	P/G U 8X.067 2CP	530924 XXX-X	XXXXXX	
505	P/G U 8X.060 2CP	530923 134-0	11'-2"	
507	P/G U 8X.060 2CP	530923 162-6	13'-6 3/4"	
525	DR GRT UP 8 X .060	550317 014-6	1'-2 3/4"	
526	DR GRT UP 8 X .060	550317 030-6	2'-6 3/4"	
528	DR GRT UP 8 X .060	550317 050-0	4'-2"	
531	DR GRT UP 8 X .060	550317 074-6	6'-2 3/4"	
533	DR GRT UP 8 X .060	550317 082-6	6'-10 3/4"	
540	DOOR HEADER 12IN	580387 143-4	11'-11 1/2"	
541	DOOR POST .062X12	580703 206-4	17'-2 1/2"	
542	DOOR POST .062X12	580703 225-0	18'-9"	
529	DR GRT UP 8 X .060	550317 058-6	4'-10 3/4"	
530	DR GRT UP 8 X .060	550317 062-6	5'-2 3/4"	
532	DR GRT UP 8 X .060	550317 082-6	6'-10 3/4"	
536	DR GRT UP 8 X .060	550317 086-0	7'-2"	
538	DR GRT UP 8 X .060	550317 102-6	8'-6 3/4"	

USERNAME: Christy V. Chouang 02-20-2006 15:46:26
 O:\Orders\136659\ElecDwg\136659-5b.dwg



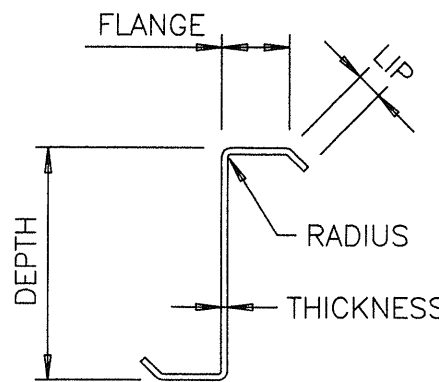
REVISION NO. 1	REVISION NO. 2	BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE PROVO ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: CVCHOUANG	ENG:
DATE: 02/20/06	DATE:			DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	SAN JOSE PUBLIC WORK BUILDING G SAN JOSE, CA	180X183X20 MRF 20# LL + 6#CLL 80 MPH EXP C CBC 01 SEISMIC ZONE 4, Sd	DOOR DETAIL DRAWING	CHK:	DATE: 01/25/06
DRAWN BY: CVCHOUANG	DRAWN BY:							DRAWING NUMBER:	REV.
CHECKED BY:	CHECKED BY:							D06-136659-05B	01

USERNAME: Christy V. Chouang 02-20-2006 15:47:13



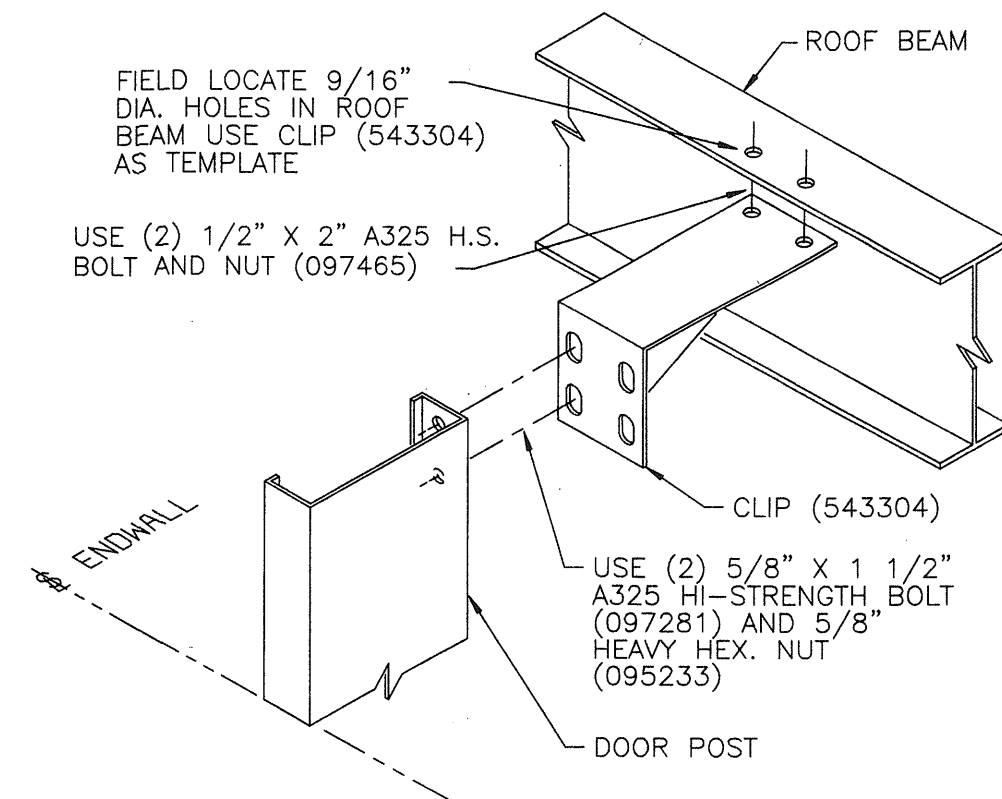
C - SECTION DESIGN INFORMATION

PART	DEPTH	FLANGE	LIP	THICKNESS	RADIUS
DOOR HEADER 12IN 580387	1'-0"	3 1/2"	13/16"	.062"	9/32"
DOOR POST .062X12 580703	1'-0"	3 1/2"	13/16"	.062"	9/32"
DOOR POST .081X12 580704	1'-0"	3 1/2"	7/8"	.082"	9/32"
DOOR POST .081X12 580704	1'-0"	3 1/2"	7/8"	.121"	9/32"

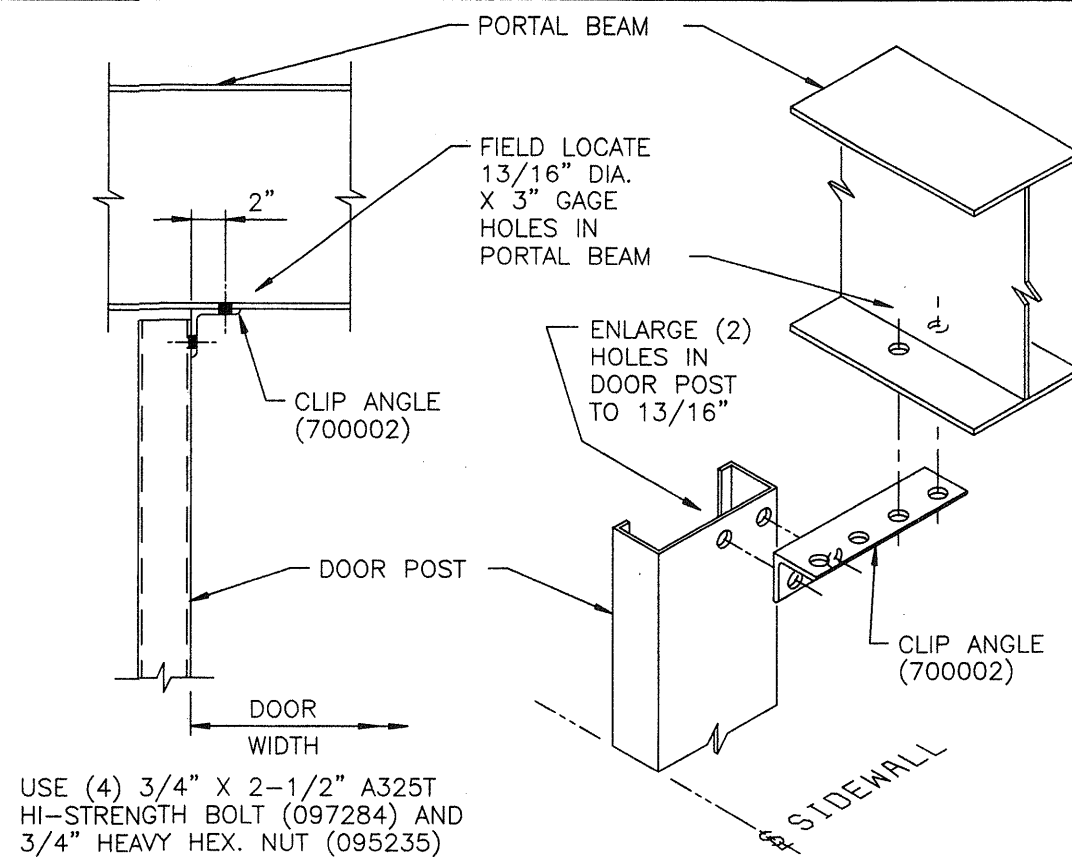


Z - SECTION DESIGN INFORMATION

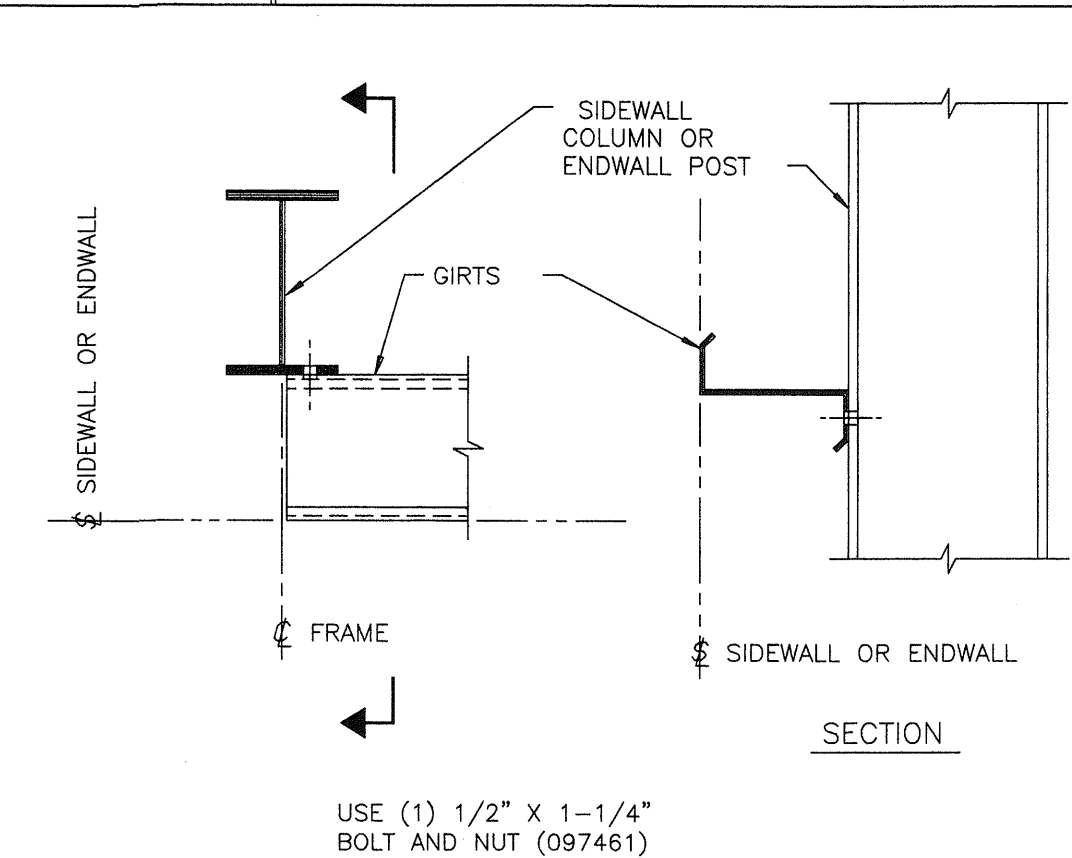
PART	DEPTH	FLANGE	LIP	THICKNESS	RADIUS
DR GRT UP 8 X .060 550317	8"	2 5/8"	3/4"	.060"	1/8"
P/G U 8X.060 2CP 530923	8"	2 5/8"	3/4"	.060"	1/4"
P/G U 8X.067 2CP 530924	8"	2 5/8"	1 1/16"	.067"	1/4"
P/G U 8X.082 2CP 530925	8"	2 5/8"	1 1/8"	.082"	1/4"
P/G U 8X.096 2CP 530926	8"	2 5/8"	1 1/8"	.096"	1/4"
P/G U 8X.113 2CP 530926	8"	2 5/8"	1 1/8"	.113"	1/4"



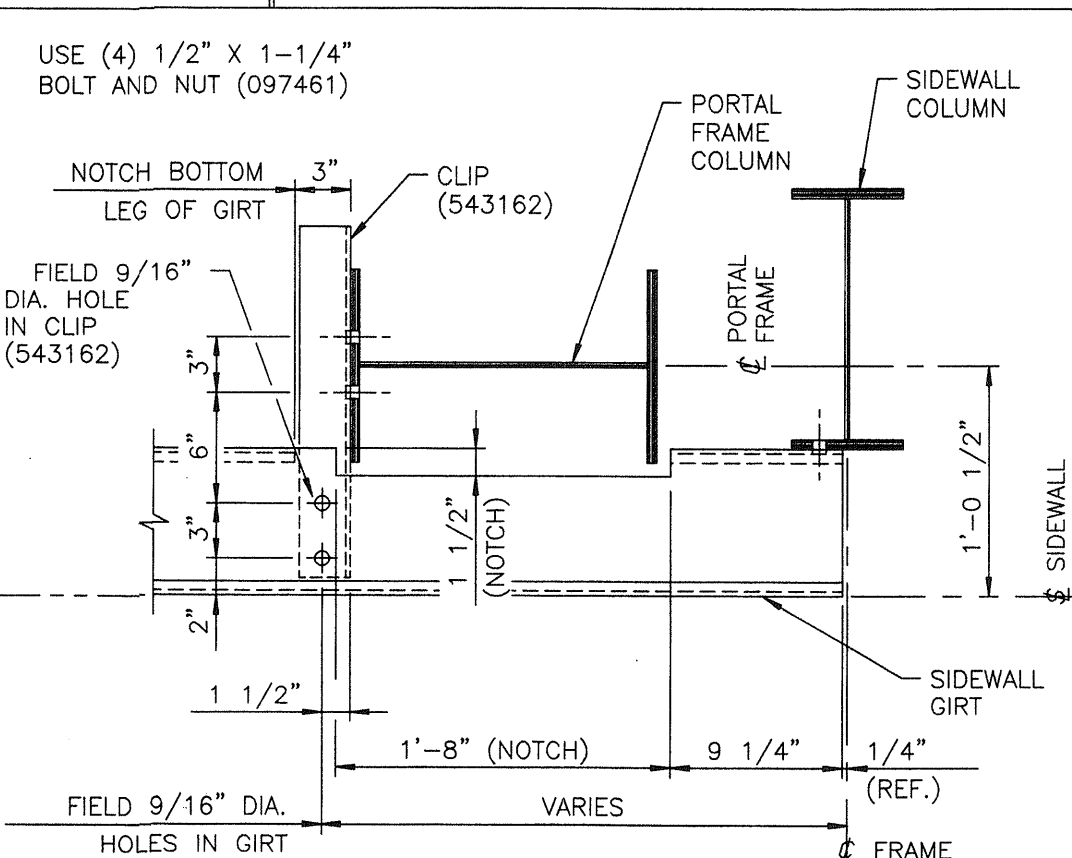
REV. DATE: 08/22/05 REV. NO. 02
DETAIL D044 DOOR POST TO ENDWALL ROOF BEAM
12\"/>



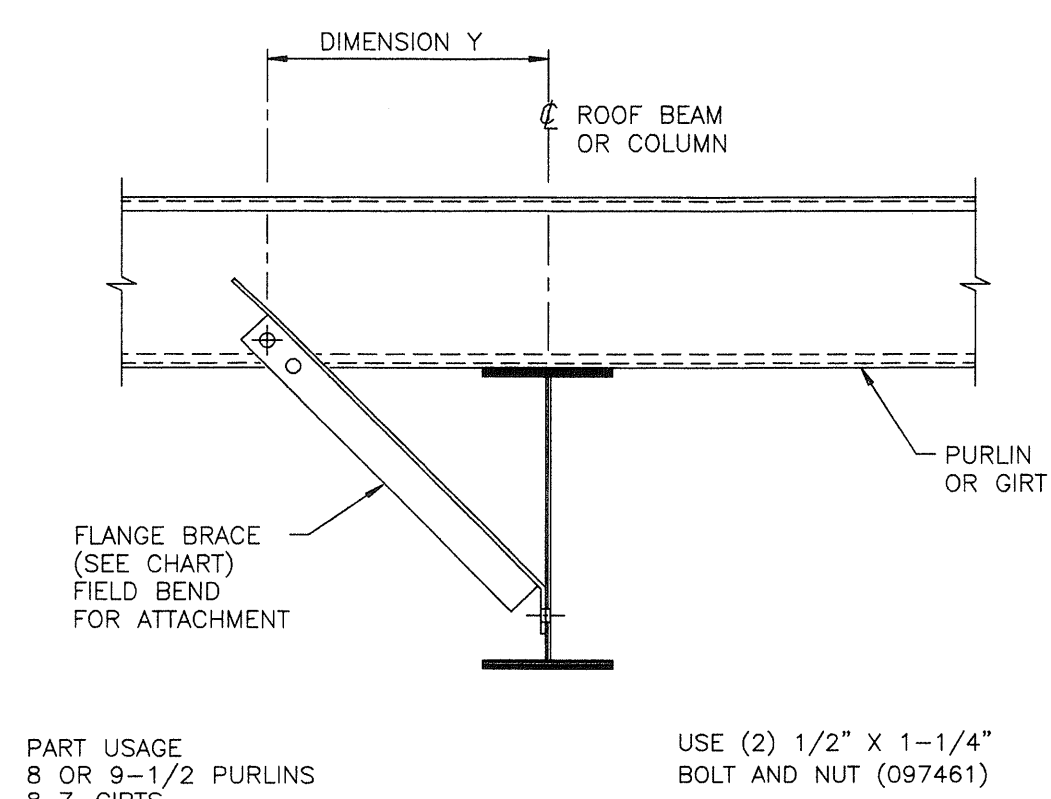
REV. DATE: 07/13/05 REV. NO. 03
DETAIL D007 DOOR POST TO PORTAL FRAME



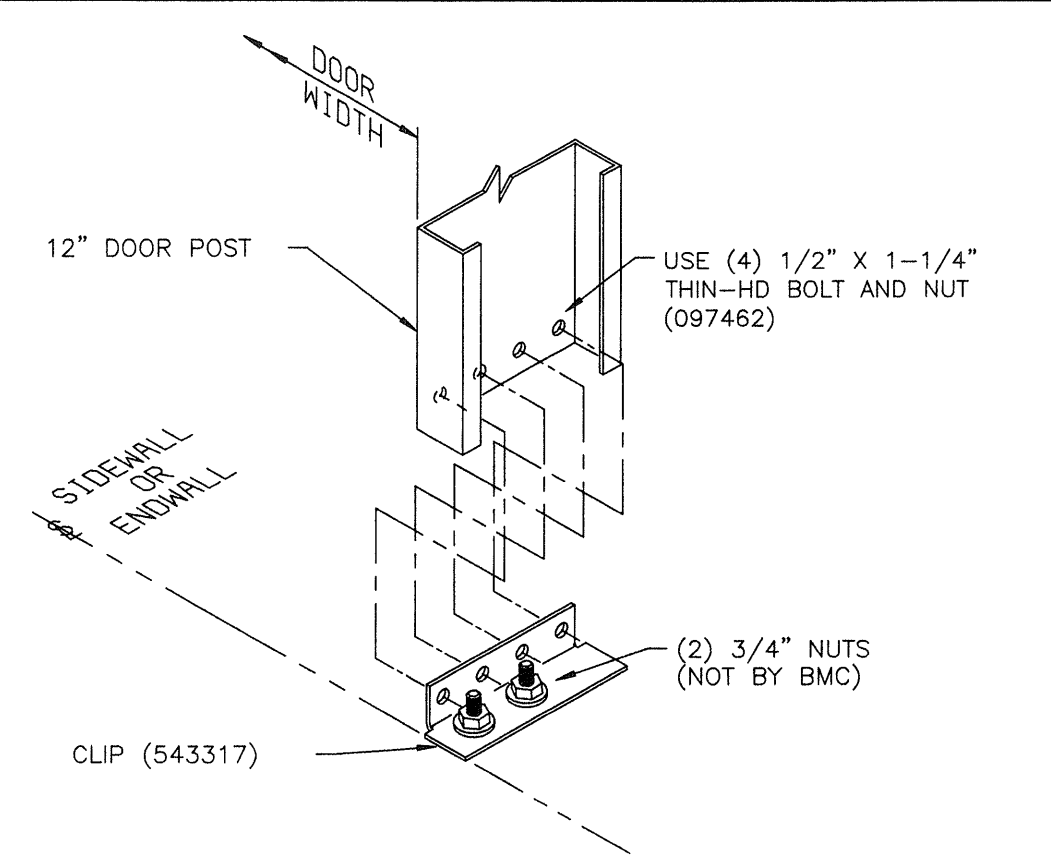
REV. DATE: 08/22/05 REV. NO. 02
DETAIL G002 SIMPLE SPAN GIRT CONNECTION (SINGLE)



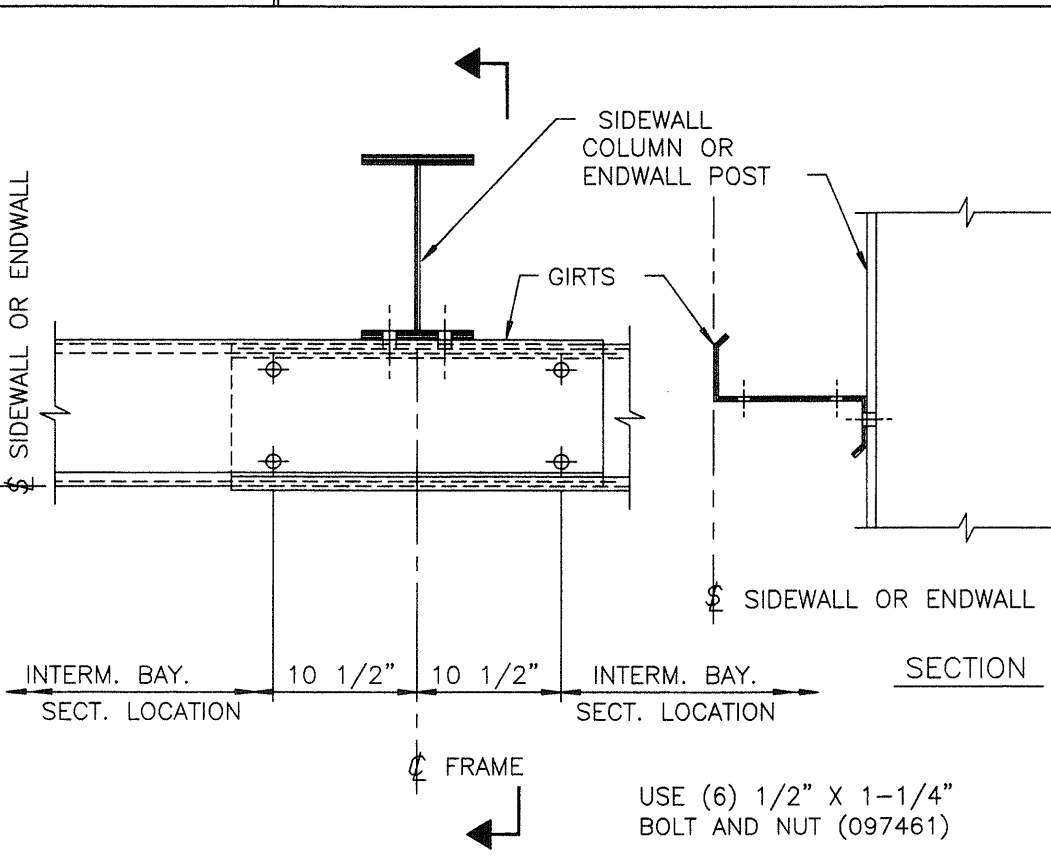
REV. DATE: 08/22/05 REV. NO. 02
DETAIL G014 SIDEWALL GIRT TO PORTAL FRAME CONN.
INTERMEDIATE BAY LOCATION



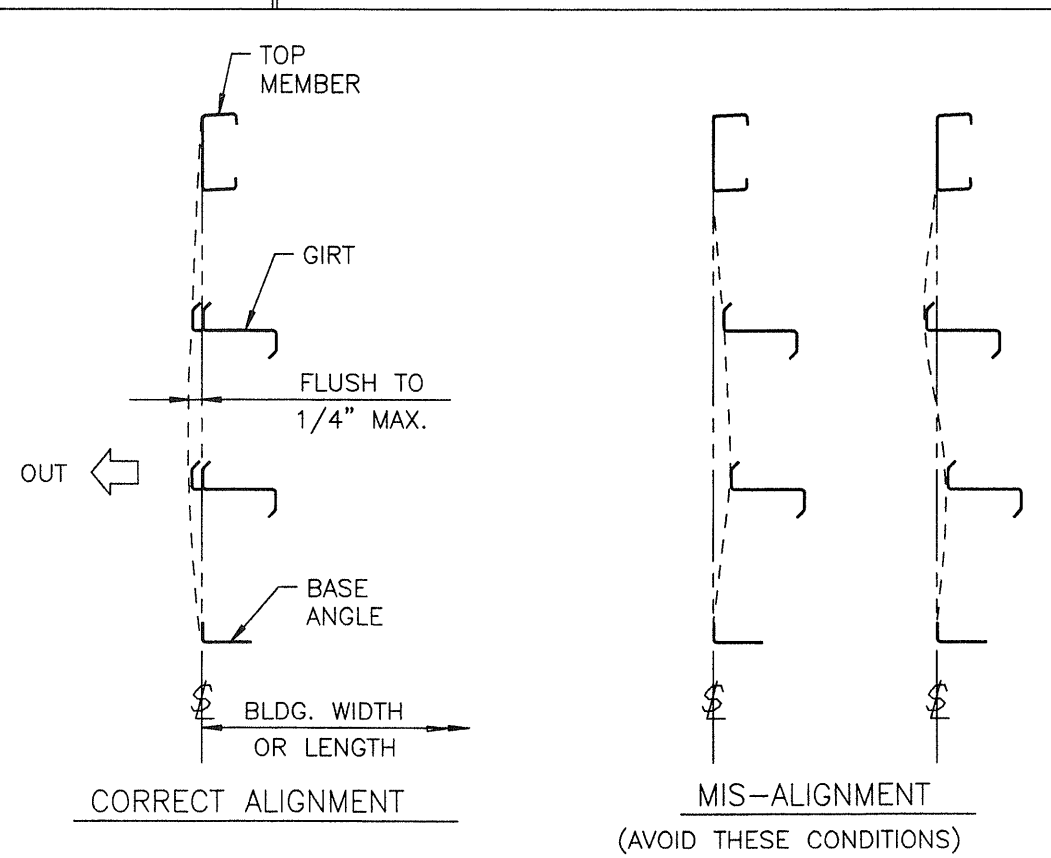
REV. DATE: 08/22/05 REV. NO. 01
DETAIL C347 SINGLE FLANGE BRACE CONNECTION
USE SECOND HOLE AT PURLIN OR GIRT CONNECTION



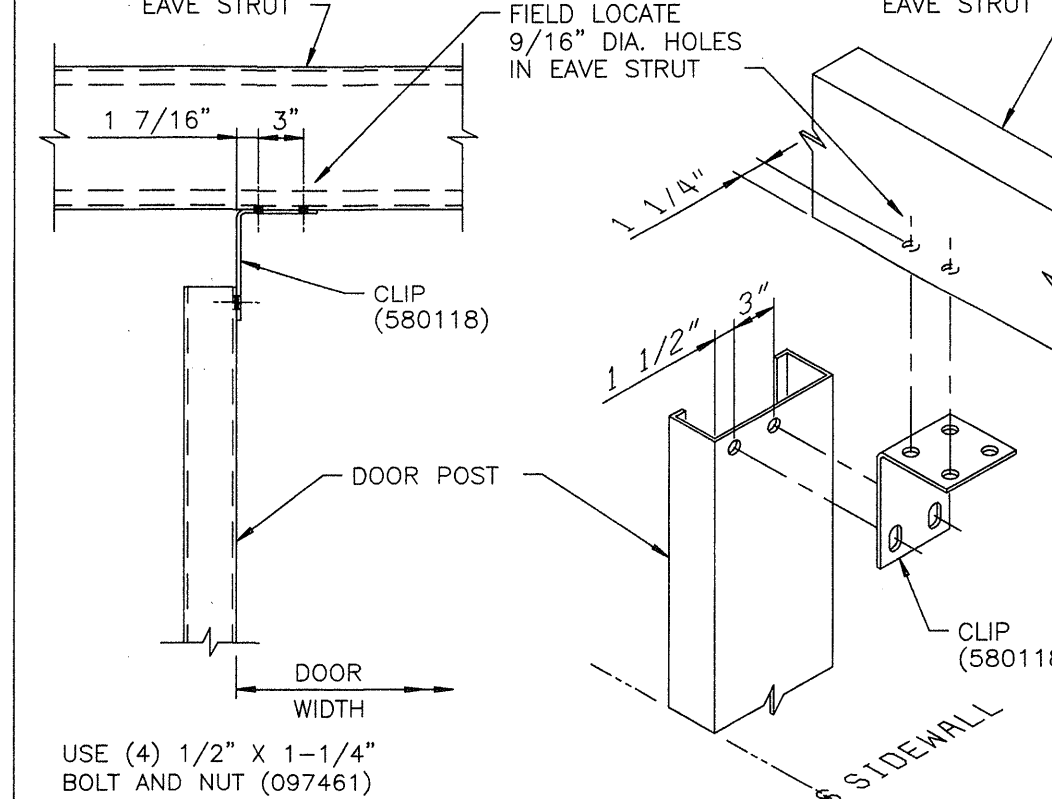
REV. DATE: 08/22/05 REV. NO. 02
DETAIL D033 DOOR POST BASE CLIP CONNECTION
12\"/>



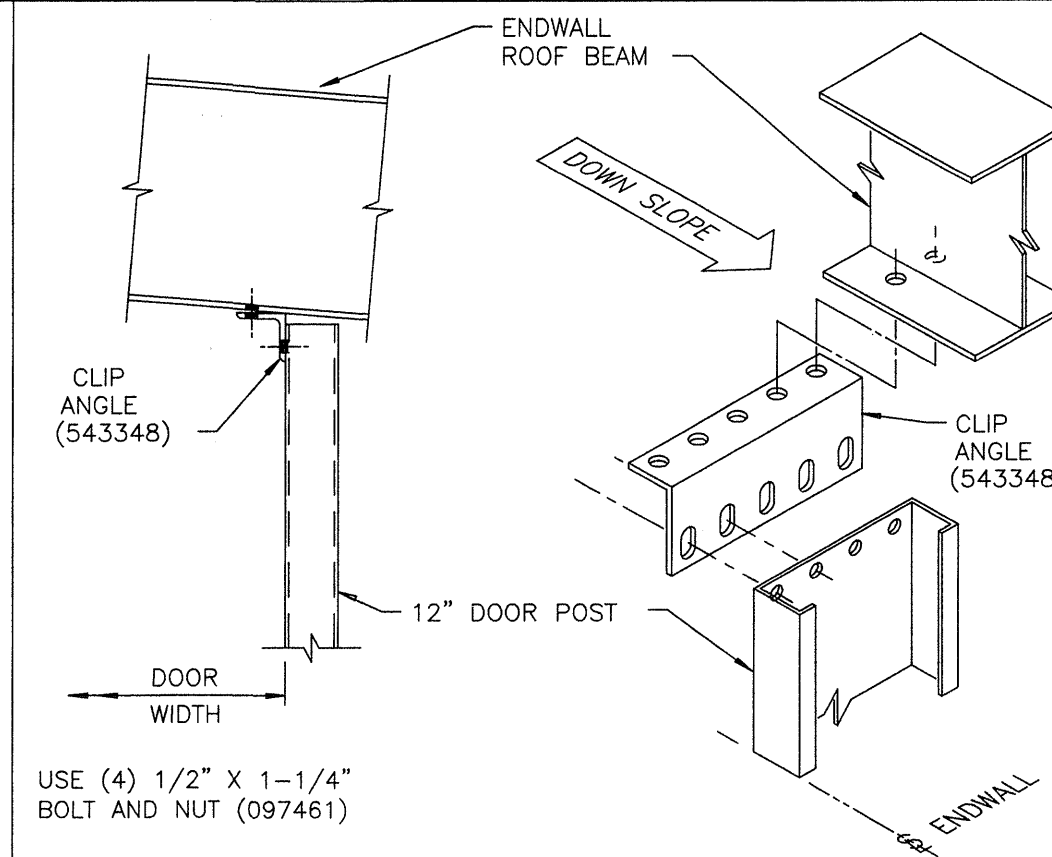
REV. DATE: 08/22/05 REV. NO. 03
DETAIL G003 CONTINUOUS SPAN GIRT CONNECTION
INTERMEDIATE BAY OR ENDWALL SECTION



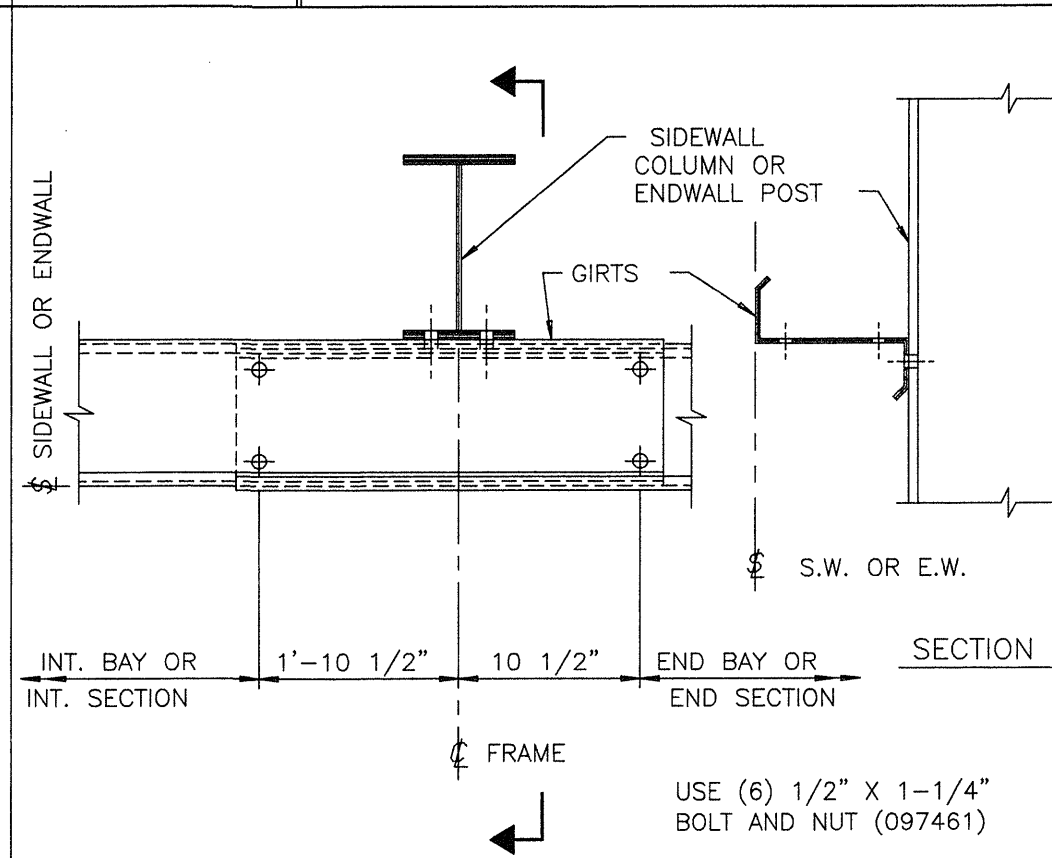
REV. DATE: 02/07/03 REV. NO. 02
DETAIL G047 SECONDARY STRUCTURAL ALIGNMENT



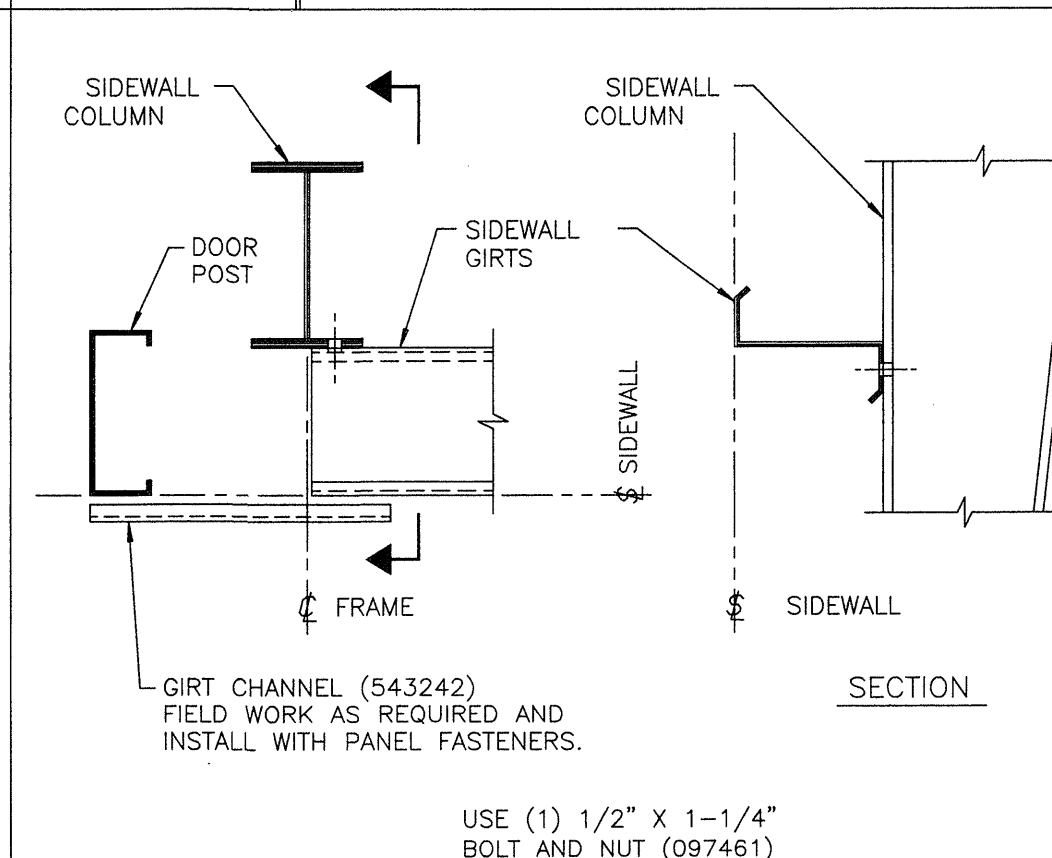
REV. DATE: 08/22/05 REV. NO. 02
DETAIL D001 DOOR POST TO BOTTOM OF EAVE STRUT



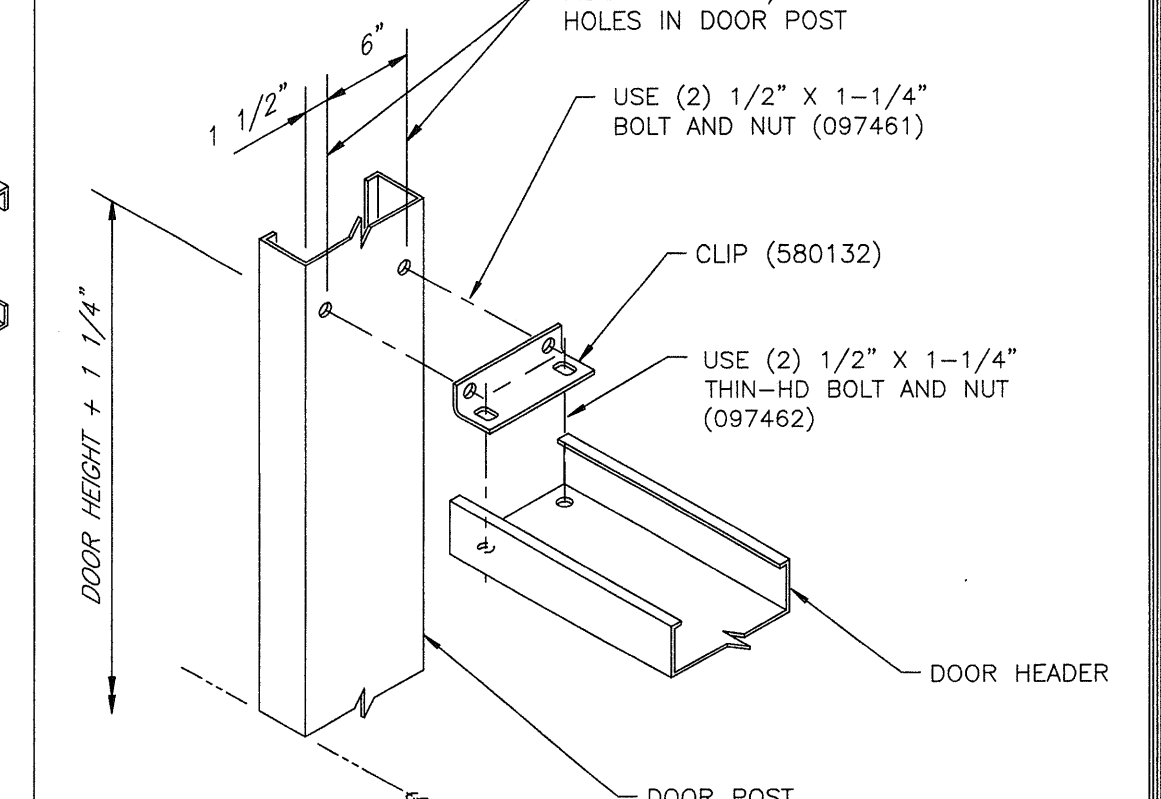
REV. DATE: 08/22/05 REV. NO. 03
DETAIL D089 LOW DOOR POST TO EW ROOF BEAM
12\"/>



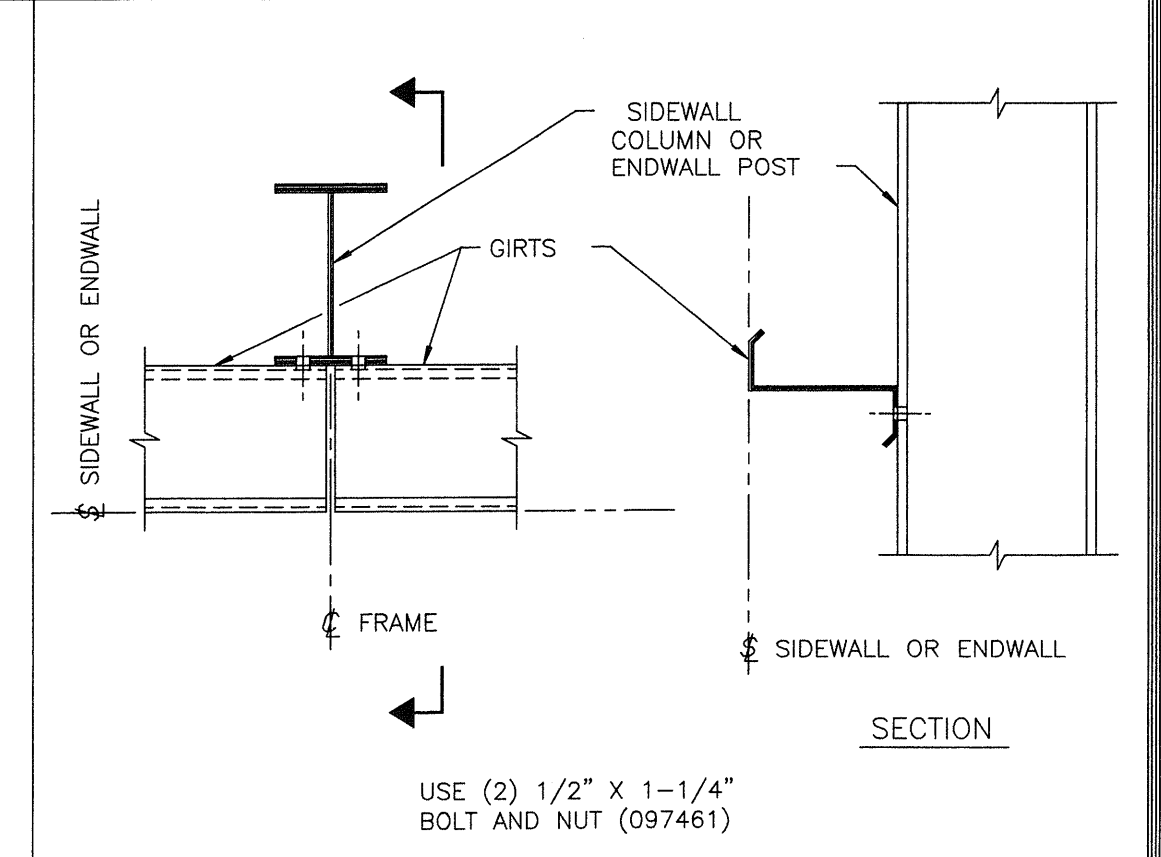
REV. DATE: 08/22/05 REV. NO. 02
DETAIL G004 CONTINUOUS SPAN GIRT CONNECTION
END BAY OR ENDWALL SECTION LOCATION



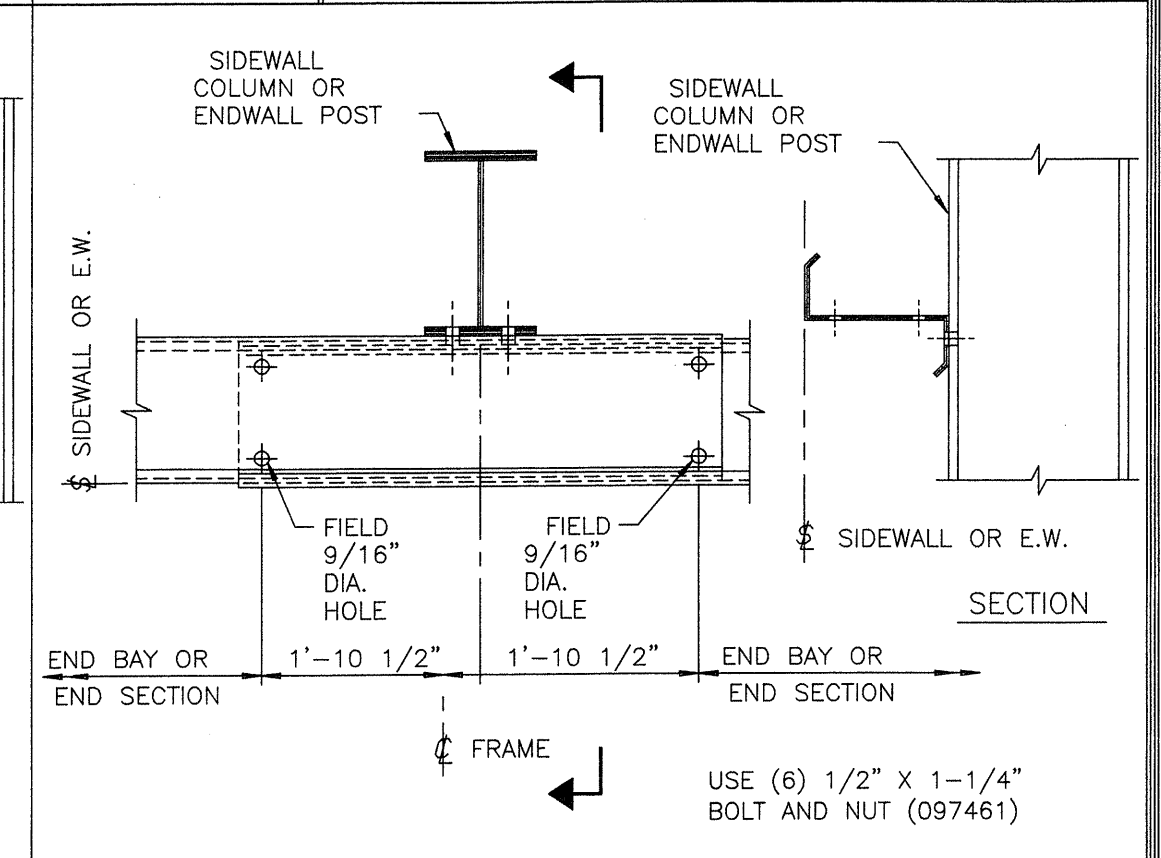
REV. DATE: 08/22/05 REV. NO. 02
DETAIL G153 SINGLE SIMPLE SPAN GIRT CONNECTION
WITH ADJACENT SIDEWALL DOOR POST



REV. DATE: 08/22/05 REV. NO. 03
DETAIL D006 DOOR HEADER TO DOOR POST



REV. DATE: 08/22/05 REV. NO. 02
DETAIL G001 SIMPLE SPAN GIRT CONNECTION (DOUBLE)

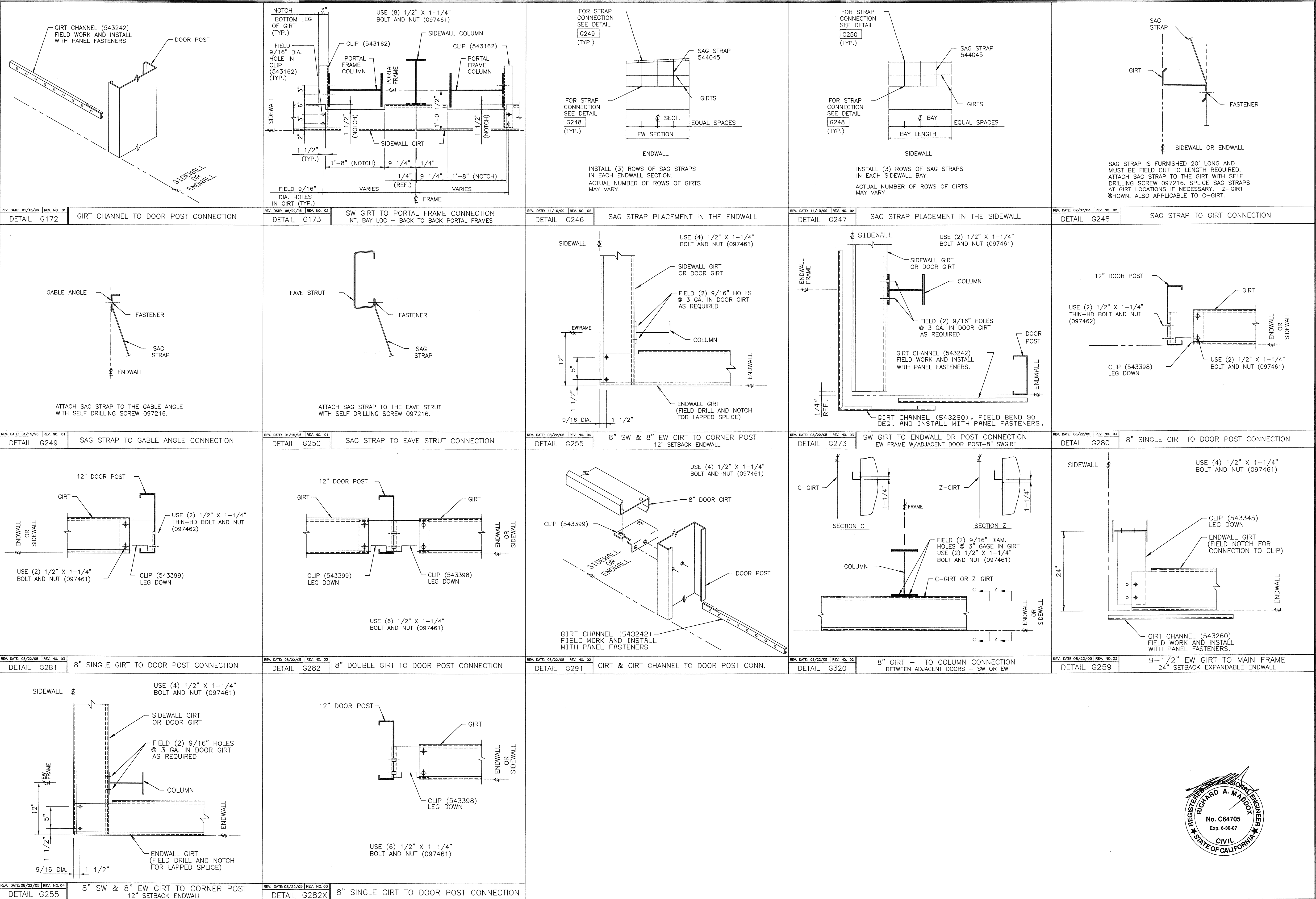


REV. DATE: 08/22/05 REV. NO. 02
DETAIL G005 CONTINUOUS SPAN GIRT CONNECTION
TWO (2) BAY BUILDING OR TWO (2) SECTION EW



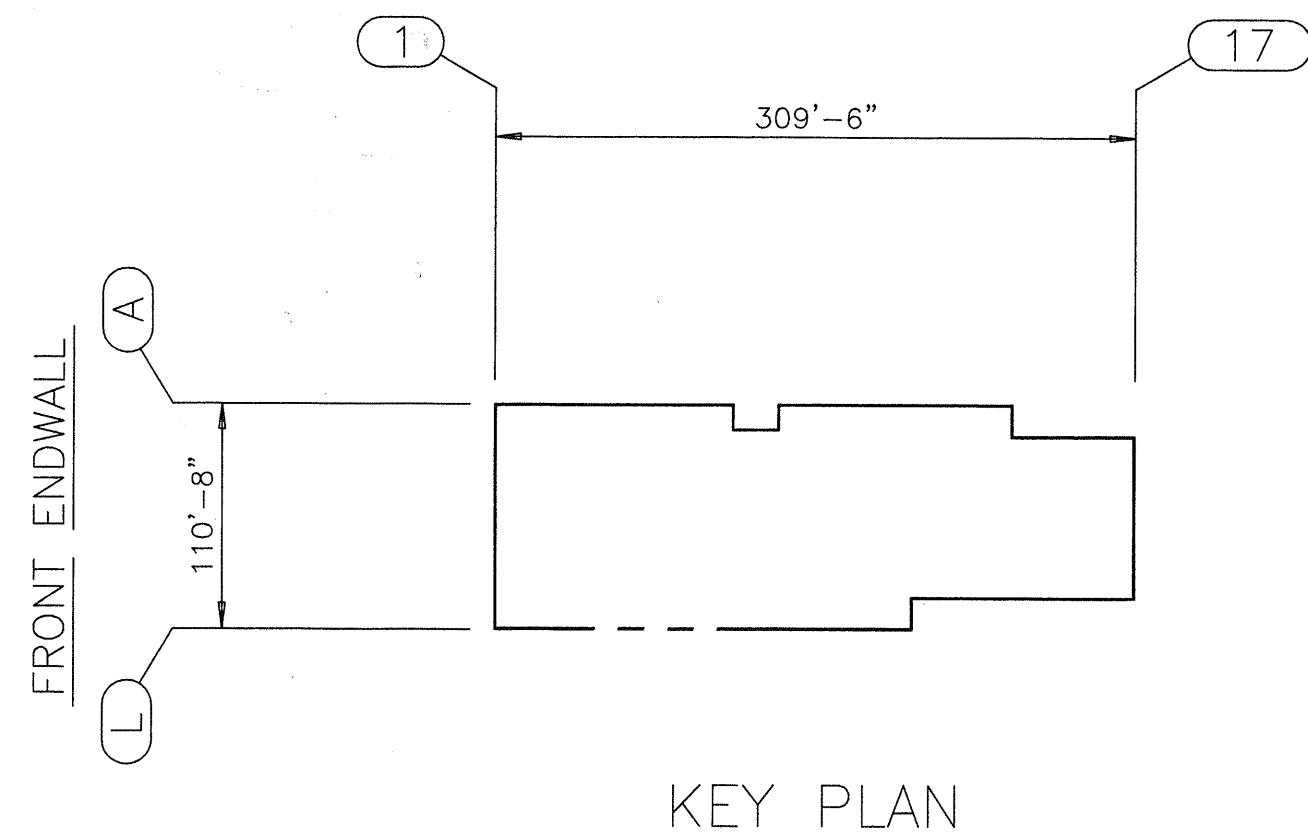
REVISION NO. 1		REVISION NO. 2			PRODUCT OF THE ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: CVCHOUANG	ENG:
DATE: 02/20/06		DATE:				DIEDE CONSTRUCTION, INC	SAN JOSE PUBLIC WORK	180X183X20 MRF	WALL SECONDARY	CHK:	DATE: 01/25/06
DRAWN BY: CVCHOUANG		DRAWN BY:				WOODBRIDGE, CA	BUILDING G	20# LL + 6#CLL	STRUCTURAL ELEVATION	DRAWING NUMBER:	
CHECKED BY:		CHECKED BY:					SAN JOSE, CA	80 MPH EXP C CBC 01	DETAIL SHEET	REV.	
										D 06-136659-05C 01	

USERNAME: Christy V. Chouang 02-20-2006 15:47:32



REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: CVCHOUANG	ENG:
DATE: 02/20/06	1. INCORPORATED 9 RTU'S IN DESIGN	DATE:				DIEDE CONSTRUCTION, INC WOODBIDGE, CA	SAN JOSE PUBLIC WORK BUILDING G SAN JOSE, CA	180X183X20 MRF 20# LL + 6#CLL 80 MPH EXP C CBC 01 SEISMIC ZONE 4, Sd	WALL SECONDARY STRUCTURAL ELEVATION DETAIL SHEET	CHK:	DATE: 01/25/06
DRAWN BY: CVCHOUANG	2. ADD 1" GROUT TO ALL COLUMNS	DRAWN BY:								DRAWING NUMBER:	REV.
CHECKED BY:		CHECKED BY:								D 06-136659-05D	01

USERNAME: Aaron D. Newell 02-17-2006 13:03:17 0:\Orders\136734\Permit Dwg\136734-01.dwg



KEY PLAN

SPECIFIC ERECTION DRAWING LIST

THE DRAWINGS LISTED BELOW HAVE BEEN CREATED BY COMPUTER SPECIFICALLY FOR YOUR ORDER TO ASSIST YOU IN PUTTING UP YOUR BUILDING. THESE SPECIFIC ERECTION DRAWINGS ARE THE SAME SIZE AS THIS SHEET AND CAN BE IDENTIFIED INDIVIDUALLY FROM THE TITLES AND DRAWING SEQUENCE NUMBERS THAT APPEAR IN THE LOWER RIGHT HAND CORNER OF EACH DRAWING.

DRAWING TITLE:	AG FILE NO.:
ROOF SECONDARY STRUCTURAL FRAMING PLAN	DATE: 02/16/83
DRAWING NUMBER:	REVISION
D 83-123456-05L	02

TITLE

THE YEAR DURING WHICH YOUR ORDER WAS ENTERED

THE BUTLER ORDER NUMBER OF YOUR ORDER

DRAWING SEQUENCE NUMBER

REVISION LEVEL OF THE DRAWING. IF THE DRAWING HAS NEVER BEEN REVISED, 00 APPEARS HERE.

D06-136734-00 COVER DRAWING - SHEET 1

D06-136734-01 SPECIFIC ANCHOR BOLT DRAWING - SHEET 1
D06-136734-01A SPECIFIC ANCHOR BOLT DRAWING - SHEET 2
D06-136734-01B SPECIFIC REACTION DRAWING - SHEET 3
D06-136734-02 CROSS SECTION ERECTION DRAWING - SHEET 1
D06-136734-02A CROSS SECTION ERECTION DRAWING - SHEET 2
D06-136734-02B CROSS SECTION ERECTION DRAWING - SHEET 3
D06-136734-02C CROSS SECTION ERECTION DRAWING - SHEET 4
D06-136734-02D CROSS SECTION ERECTION DRAWING - SHEET 5
D06-136734-02E CROSS SECTION ERECTION DRAWING - SHEET 6
D06-136734-02F CROSS SECTION ERECTION DRAWING - SHEET 7
D06-136734-02G PART DRAWINGS - SHEET 8
D06-136734-02H PART DRAWINGS - SHEET 9
D06-136734-02J PART DRAWINGS - SHEET 10
D06-136734-02K PART DRAWINGS - SHEET 11
D06-136734-02L PART DRAWINGS - SHEET 12
D06-136734-02M PART DRAWINGS - SHEET 13
D06-136734-03 WIND BRACING DRAWING - SHEET 1
D06-136734-03A WIND BRACING DRAWING - SHEET 2
D06-136734-04 ROOF SECONDARY STRUCTURAL FRAMING PLAN - SHEET 1
D06-136734-04A ROOF SECONDARY STRUCTURAL FRAMING PLAN - SHEET 2
D06-136734-04B ROOF SECONDARY STRUCTURAL DETAIL SHEET - SHEET 3
D06-136734-05 WALL SECONDARY STRUCTURAL ELEVATION - SHEET 1
D06-136734-05A WALL SECONDARY STRUCTURAL ELEVATION - SHEET 2
D06-136734-05B WALL SECONDARY STRUCTURAL ELEVATION - SHEET 3
D06-136734-05C DOOR DETAIL DRAWING - SHEET 4
D06-136734-05D DOOR DETAIL DRAWING - SHEET 5
D06-136734-05E WALL SECONDARY STRUCTURAL ELEVATION DETAIL SHEET - SHEET 6

SUPPLEMENTING THE SPECIFIC ERECTION DRAWINGS LISTED ARE SEVERAL GENERAL ERECTION DRAWINGS CALLED "PLANOGRAPHS". SEE THE DRAWING MANIFEST FOR A COMPLETE LIST OF THESE DRAWINGS.

DESIGN CRITERIA SUMMARY

The 2001 edition of the "California Building Code" based on The 1997 edition of the "Uniform Building Code" by the International Conference of Building Officials (ICBO).

Building Use Category	4 (GENERAL USE)
Collateral Load (Sprinkler)	6.00 psf
Roof Panel Dead Load	1.20 psf
Live Load	
Roof Live Load	20.00 psf
Tributary Load Reduction (Y/N)	Y
Wind Load	
Wind Speed	70 mph
Wind Importance Factor	1.00
Enclosure Classification	Enclosed
Wind Exposure Factor	B
Seismic Load	
Seismic Zone	4
Near Source Factor (N _a)	1.00
Near Source Factor (N _v)	1.20
Soil Profile Type	
Basic Struc. System	
Seismic Res. System	
Sd Response Mod. Factor	
Seismic Amp. Factor	
Bracing	
Moment-Res. Frm. System	Ordinary moment frames of steel
Ordinary moment frames of steel	3.50
2.80	
Main Frames	
Moment-Res. Frm. System	Ordinary moment frames of steel
3.50	
2.80	
Analysis Procedure	Equivalent Lateral Force Procedure

FIELD WORK SUMMARY

WIND BRACING

FW0001 FIELD WORK MAY BE REQUIRED AT LOWER ROOF BEAM KNEE AREA FOR BRACING CLIP CONNECTION.

WALL SECONDARY

FW0006 FIELD LOCATE HOLES IN EAVE STRUT FOR DOOR POST CONNECTION.

FW0009 FIELD LOCATE HOLES IN PORTAL FRAME BEAM FOR DOOR POST CONNECTION.

FW0023 FIELD NOTCH AND LOCATE HOLES IN SIDEWALL GIRT(S) AND FIELD LOCATE HOLE(S) IN GIRT CLIP FOR PORTAL FRAME COLUMN AT INTERMEDIATE FRAME CONNECTION.

COVER DRAWING NOTES

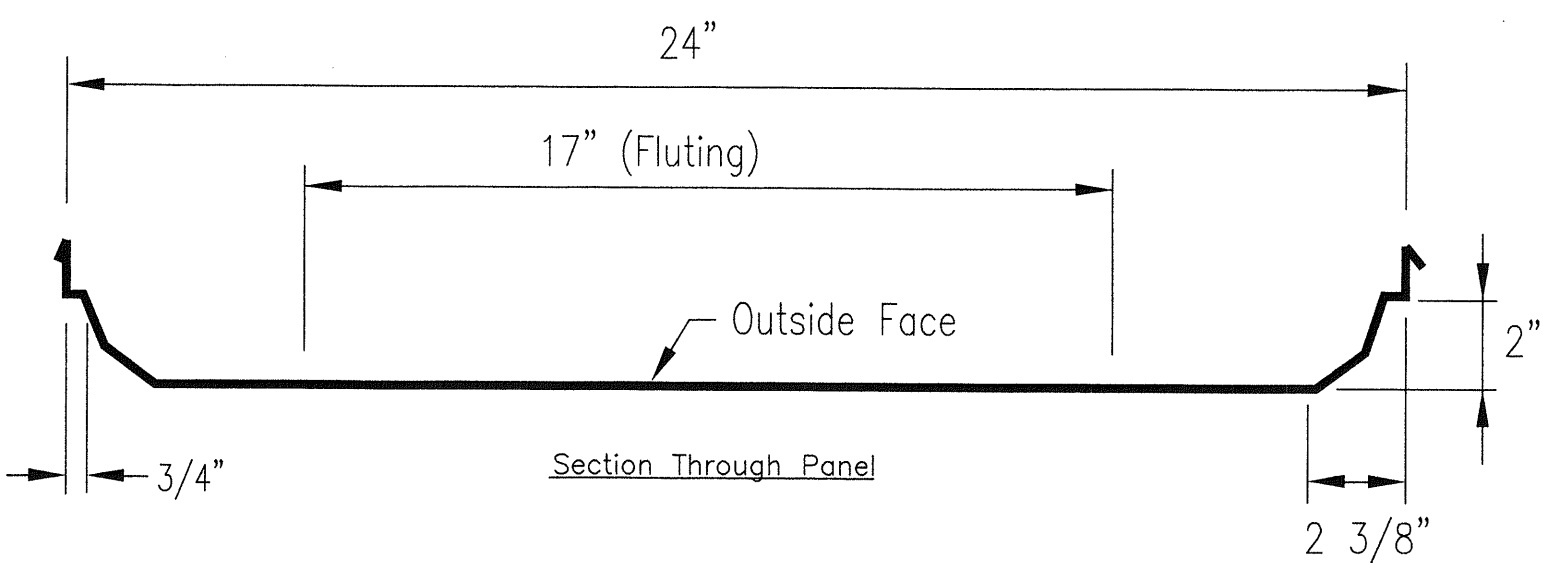
STANDARD NOTES:

- CD0001 ATTACH PATENT PLATE 007849 TO THE WEB OF AN INTERMEDIATE FRAME COLUMN AT EYE LEVEL.
- CD0002 PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING MANIFEST FOR POSSIBLE SUBSTITUTIONS.
- CD0013 IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO THE MATERIALS SUPPLIED BY BUTLER MFG. CO. AND IS NOT INTENDED AS THE SEAL OF THE ENGINEER OF RECORD FOR THE ENTIRE PROJECT.
- CD0017 MATERIALS ASTM DESIGNATION
- | | | |
|------------------------|--------------------------|------------------------|
| STRUCT PLATE 1" & LESS | A529 AND A572 | FY = 55 KSI (GRADE 55) |
| STRUCT PLATE OVER 1" | A529 AND A572 | FY = 50 KSI (GRADE 50) |
| LIGHT GAGE/COLD FORMED | EQUIV TO A1011 | FY = 60 KSI (GRADE 60) |
| ROOF AND WALL PANELS | A653 AND A792 | GRADE 50, 80 |
| ROUND TUBE | A500 GRADE B | FY = 42 KSI |
| SQUARE TUBE | A500 GRADE B | FY = 46 KSI |
| BRACE RODS 3/4" & LESS | A510 GRADE 1018 | |
| BRACE RODS OVER 3/4" | A572 GRADE 50 OR GREATER | |
- CD0026 1/2" DIA. BOLTS AND NUTS ARE FURNISHED AS AN ASSEMBLY. THE DRAWINGS CALL OUT THESE BOLTS AND NUTS BY THEIR COMPONENT NO'S. ASSEMBLY CONTAINS
- | | |
|---------|---|
| 0097461 | 1/2X1-1/4 BOLT (0095085) AND NUT (0095032) |
| 0097462 | 1/2X1-1/4 THN HD BOLT (0096636) AND NUT (0095032) |
| 0097463 | 1/2X1-1/2 BOLT (0095195) AND NUT (0095032) |
| 0097464 | 1/2X1-3/4 GALV BOLT (0095331) AND (0095032) |
| 0097465 | 1/2X2 A325T BOLT (0097280) AND (0095230) |
- CD0028 HIGH STRENGTH BOLTING:

ALL HIGH STRENGTH BOLTS USED IN PRIMARY FRAME CONNECTIONS ARE A325 WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED USING THE "TURN-OF-THE-NUT" METHOD SPECIFIED IN THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" PUBLISHED BY ROSC, DATED JUNE 23, 2000. A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE-NUT METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS. SEE INSTALLATION OF A A325 BOLT DRAWING 1080268.

MR-24 Roof Panel Design Data

Calculated sectional properties for MR-24 roof panel materials using 1996 edition of AISI design manual and representative center section.

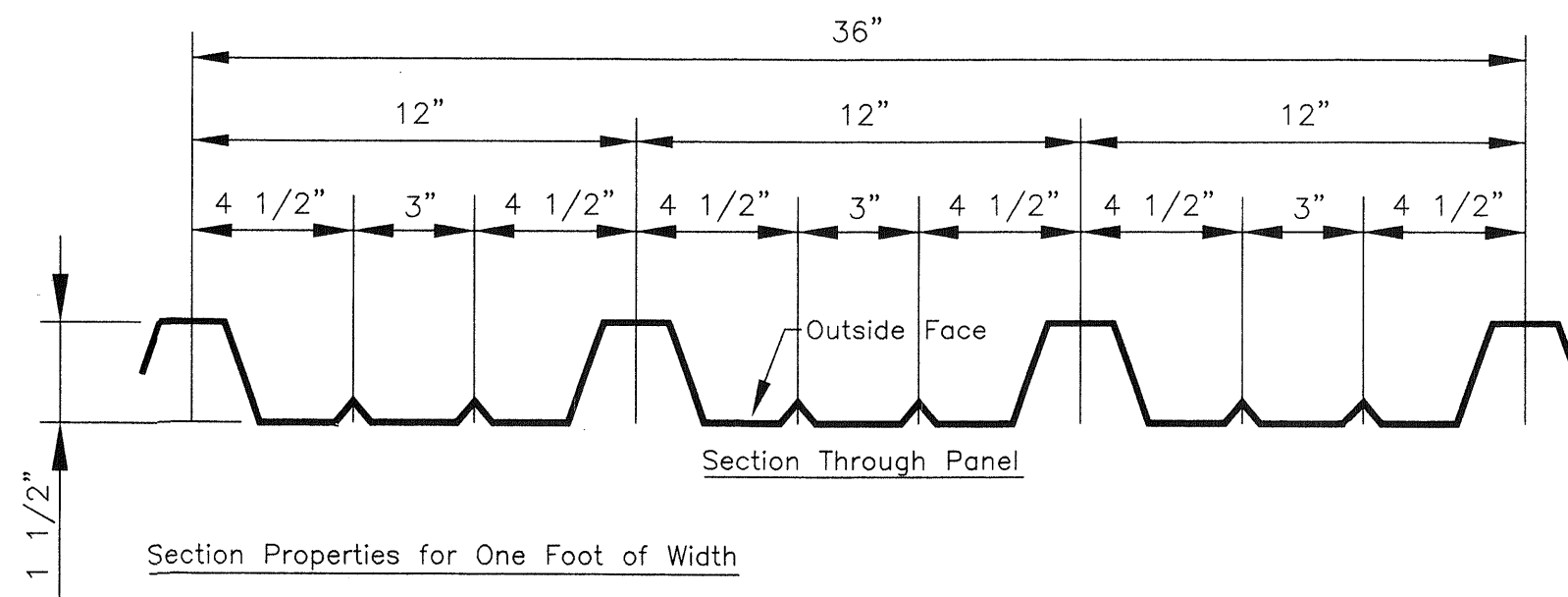


Section Properties for One Foot of Width

Panel Material	Design Thick (in)	Weight (#/ft.)	E (ksi)	Fy (ksi)	Compression on Outside Sx (in3)	I (in4)	Compression on Inside Sx (in3)	I (in4)
24 GA. Steel	0.0225	1.20	29500	50	0.0883	0.1998	0.0876	0.1070

Butlerb II Wall System - Panels

Calculated sectional properties for Butlerb II wall panel materials using 1996 edition of AISI design manual.



Section Properties for One Foot of Width

Panel Material	Design Thick (in)	Fy (ksi)	E (ksi)	Weight (#/ft.)	Compression on Outside Sx (in3)	I (in4)	Compression on Inside Sx (in3)	I (in4)
26 GA. Steel	0.017	50	29500	0.95	0.0498	0.0603	0.0528	0.0417

RECEIVED

FEB 22 2006

DIEDE CONST. INC



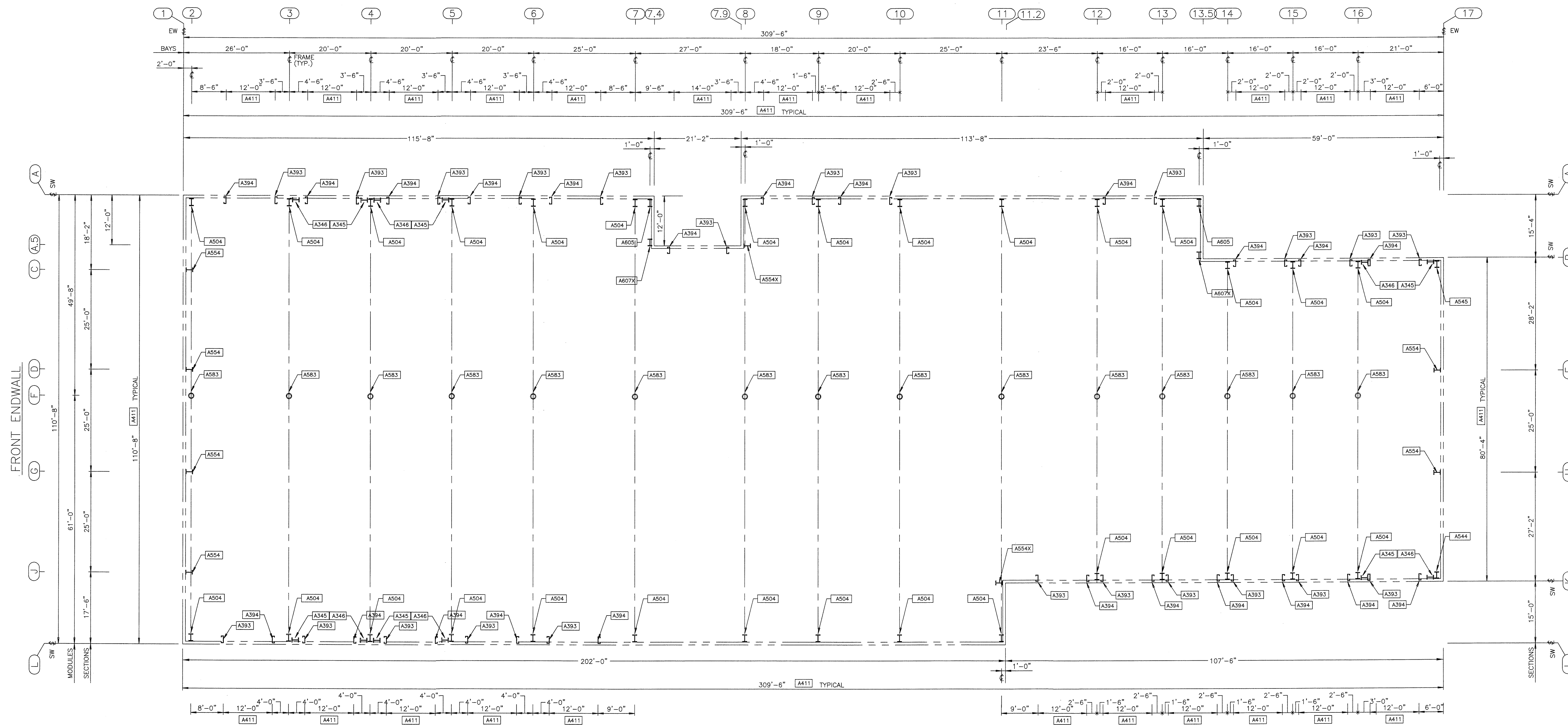
REVISION NO. 1		REVISION NO. 2			PRODUCT OF THE ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBIDGE, CA	PROJECT: CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 N _a =1 N _v =1.2	DRAWING TITLE: COVER DRAWING	DRW: ADNEWELL	ENG:	
DATE: 2/17/06	General Revision	DATE:								CHK:	DATE: 01/25/06	
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER: D 06-136734-00		REV.
CHECKED BY:		CHECKED BY:								01		

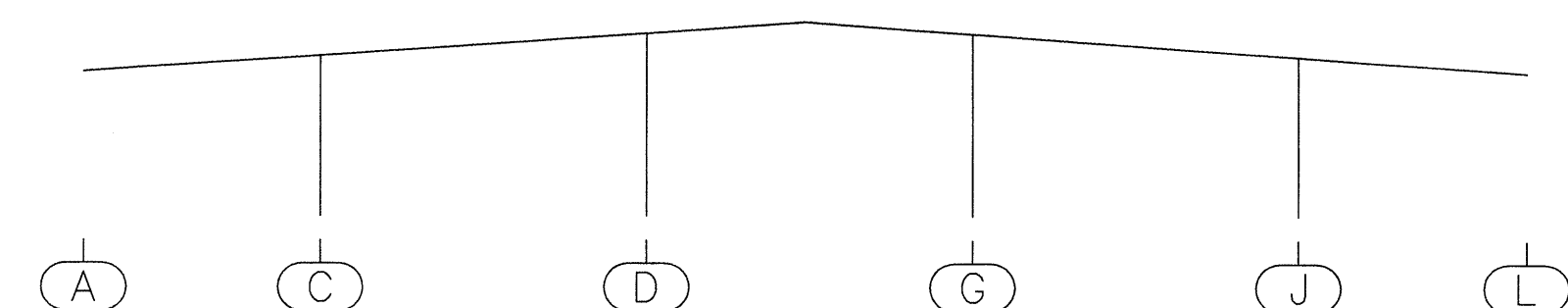
SPECIAL NOTES:
ALL COLUMNS TO HAVE 1" GROUT UNDER BASEPLATE
SEE DETAILS A385X AND A495 ON SHEET 01B.

STANDARD NOTES:
AB0007 GIVE TOP OF FOUNDATION A TROWEL FINISH. THE FOUNDATION MUST BE SQUARE, LEVEL, AND SMOOTH.
AB0009 ANCHOR BOLTS MUST BE LOCATED BY MEANS OF A TEMPLATE. DO NOT HAND SET ANCHOR BOLTS.
AB0010 ANCHOR BOLTS MUST BE ASTM F1554, GRADE 36.
AB0013 USE REINFORCING STEEL AS REQUIRED, PROVIDE FOR HORIZONTAL LOAD ON ANCHOR BOLTS.

AB0014 C.A.U.T.I.O.N

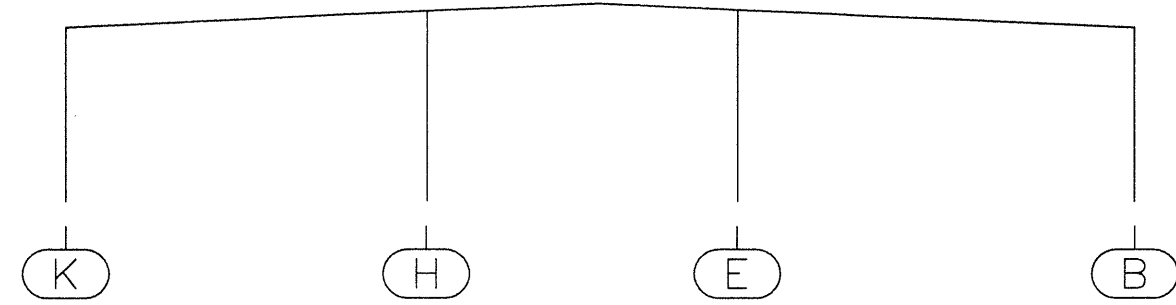
RIGID FRAMES HAVE BOTH HORIZONTAL AND VERTICAL REACTIONS ACTING AT THE BASE OF THE COLUMN. IN SOME CASES THE HORIZONTAL FORCE IS GREATER THAN THE VERTICAL. A FOUNDATION DESIGNED FOR A CONVENTIONAL STRUCTURE WILL NOT BE SATISFACTORY. FAILURE TO MAKE ADEQUATE PROVISION FOR THE HORIZONTAL THRUST CAN RESULT IN FOUNDATION FAILURE.
AB0015 FOUNDATION DESIGN AND ANCHOR BOLTS, NUTS AND WASHERS ARE NOT FURNISHED BY BUTLER. PROPER EMBEDMENT LENGTH MUST BE DESIGNED BY FOUNDATION DESIGN ENGINEER.
AB0016 REFER TO WALL PANEL ANCHOR BOLT DRAWING FOR SPECIFIC EDGE OF FOUNDATION DETAILS.
AB0017 THE SOLID BLACK <> SYMBOL DESIGNATES A BRACED BAY OR SECTION.





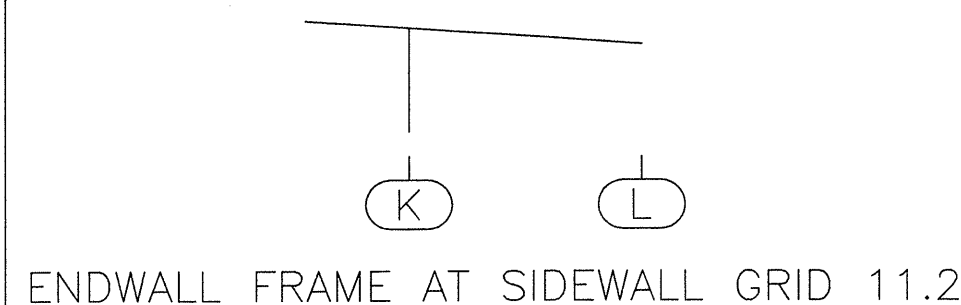
ENDWALL FRAME AT SIDEWALL GRID 1

		C		D		G		J	
		V	Z	V	Z	V	Z	V	Z
DL	DEAD LOAD	0.26	0.00	0.28	0.00	0.27	0.00	0.26	0.00
EWP	EW WIND PRESSURE	0.00	1.71	0.00	2.09	0.00	2.09	0.00	1.68
EWS	EW WIND SUCTION	0.00	-1.50	0.00	-1.83	0.00	-1.82	0.00	-1.47
	MAX. POS. REACTION	0.26	1.71	0.28	2.09	0.27	2.09	0.26	1.68
	MAX. NEG. REACTION	0.00	-1.50	0.00	-1.83	0.00	-1.82	0.00	-1.47



ENDWALL FRAME AT SIDEWALL GRID 17

		K		H		E		B	
		V	Z	V	Z	V	Z	V	Z
DL	DEAD LOAD	-0.03	1.33	0.00	1.34	0.00	1.37	0.00	1.36
CLL	COLLATERAL LOAD	-0.12	1.66	0.00	1.49	0.00	1.55	0.00	1.71
LL	LIVE LOAD	-0.35	5.44	0.00	4.16	0.00	4.28	0.00	5.59
WLL	WIND LOAD LEFT	-0.49	-3.31	0.00	-1.66	0.00	-1.73	0.00	-1.11
WLR	WIND LOAD RIGHT	0.73	-2.36	0.00	-1.90	0.00	-0.39	0.00	-4.72
EQ	SEISMIC LOAD	-0.12	-0.05	0.00	0.10	0.00	-3.60	0.00	-0.12
EWP	EW WIND PRESSURE	1.12	-3.36	1.04	-1.67	2.13	-0.09	-1.71	-3.45
EWS	EW WIND SUCTION	1.12	-3.36	-0.91	-1.67	-1.86	-0.09	-1.71	-3.45
PSF	PATT SL FIRST SPAN	-0.75	3.01	0.00	-0.48	0.00	0.71	0.00	-0.59
PSL	PATT SL LAST SPAN	-0.04	-0.06	0.00	0.17	0.00	-0.75	0.00	0.79
PS1	PATT SL SPAN W-1	-0.75	3.01	0.00	-0.48	0.00	0.71	0.00	-0.59
PS2	PATT SL SPAN W-2	0.51	2.70	0.00	2.34	0.00	-0.46	-0.71	0.00
PS3	PATT SL SPAN W-3	-0.12	-0.31	0.00	2.52	0.00	-0.01	2.50	0.00
PS4	PATT SL SPAN W-4	0.05	0.10	0.00	-0.39	0.00	0.00	2.83	0.00
PS5	PATT SL SPAN W-5	-0.04	-0.06	0.00	0.17	0.00	-0.75	-1.05	0.00
	MAX. POS. REACTION	1.09	8.44	1.04	6.99	2.13	0.00	7.20	2.17
	MAX. NEG. REACTION	-0.51	-2.03	-0.91	-0.56	-1.86	-2.59	-1.90	-1.05



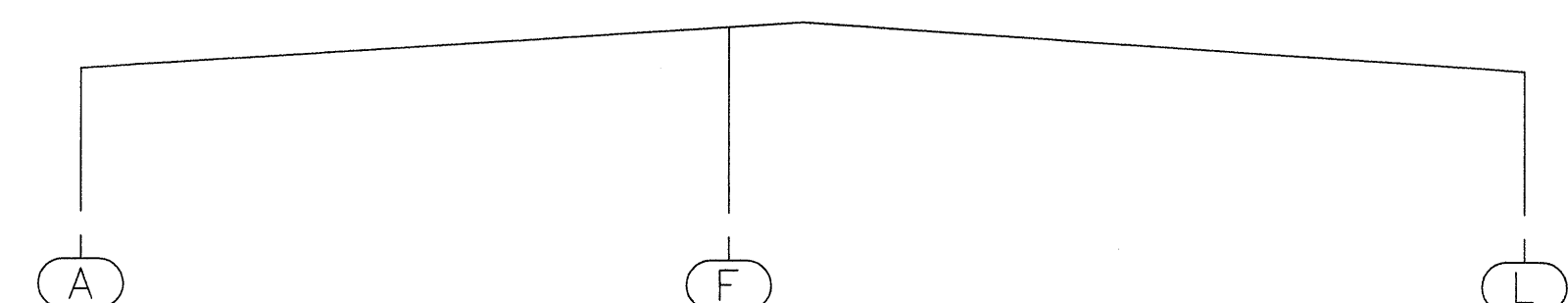
ENDWALL FRAME AT SIDEWALL GRID 11.2

		K	
		V	Z
DL	DEAD LOAD	0.26	0.00
EWP	EW WIND PRESSURE	0.00	0.59
EWS	EW WIND SUCTION	0.00	-0.51
	MAX. POS. REACTION	0.26	0.59
	MAX. NEG. REACTION	0.00	-0.51



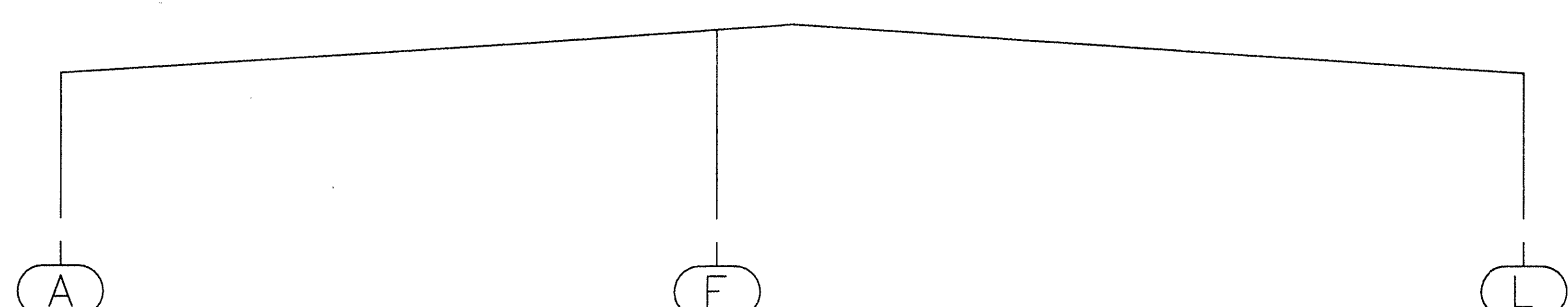
ENDWALL FRAME AT SIDEWALL GRID 7.9

		A.5	
		V	Z
DL	DEAD LOAD	0.26	0.00
EWP	EW WIND PRESSURE	0.00	0.48
EWS	EW WIND SUCTION	0.00	-0.42
	MAX. POS. REACTION	0.26	0.48
	MAX. NEG. REACTION	0.00	-0.42



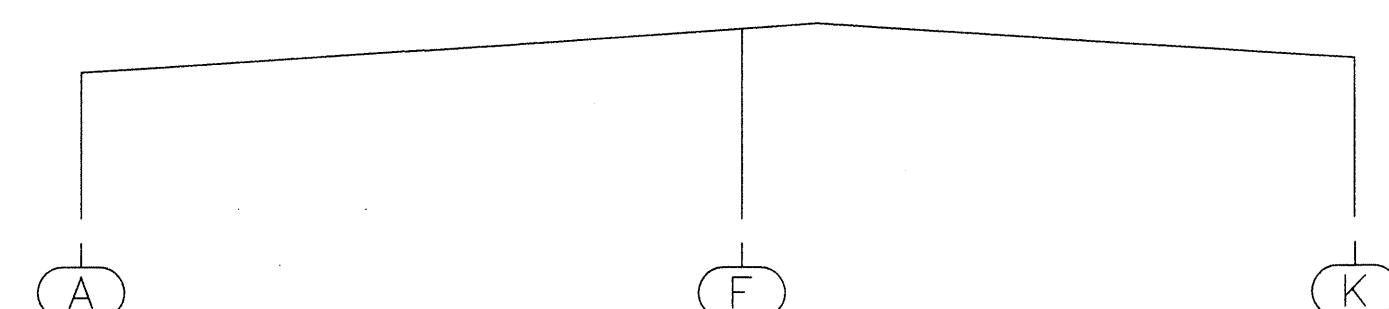
FRAME AT SIDEWALL GRIDS 2, 7 & 11

		A		F		L	
		H	V	H	V	H	V
DL	DEAD LOAD	1.04	2.49	0.00	5.52	-1.04	3.17
CLL	COLLATERAL LOAD	1.75	3.78	0.00	9.49	-1.75	4.79
LL	LIVE LOAD	3.48	7.64	0.00	17.43	-3.48	9.46
WLL	WIND LOAD LEFT	-5.48	-4.97	0.00	-10.36	-1.28	-4.81
WLR	WIND LOAD RIGHT	0.78	-3.86	0.00	-10.12	5.98	-6.16
EQ	SEISMIC LOAD	-4.35	-1.60	0.00	-0.26	-5.61	1.86
EWP	EW WIND PRESSURE	-0.56	-4.65	0.00	-9.82	0.56	-5.68
EWS	EW WIND SUCTION	-0.56	-4.65	0.00	-9.82	0.56	-5.68
PDE	P Delta Unit Story S	-0.21	-0.16	0.50	-0.03	-0.29	0.19
	MAX. POS. REACTION	6.28	13.91	0.00	32.44	4.93	17.41
	MAX. NEG. REACTION	-4.44	-2.48	0.00	-4.84	-6.83	-2.99



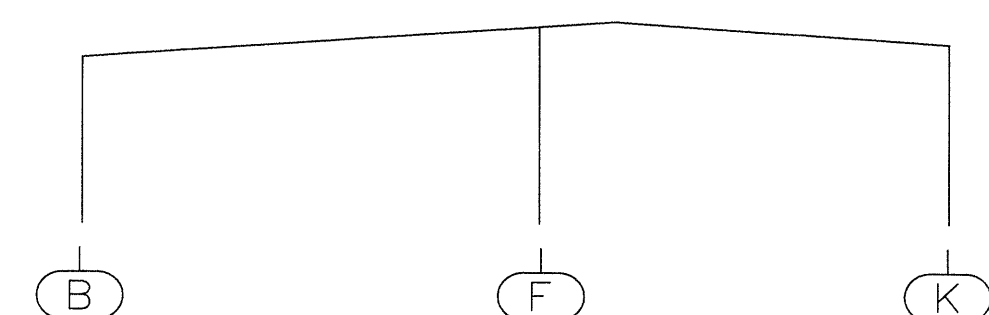
FRAME AT SIDEWALL GRIDS 3, 5, 6, 8, 9 & 10

		A		F		L	
		H	V	H	V	H	V
DL	DEAD LOAD	0.97	2.26	0.00	4.98	-0.97	2.81
CLL	COLLATERAL LOAD	1.73	3.23	0.00	9.91	-1.73	4.48
LL	LIVE LOAD	3.13	6.59	0.00	15.11	-3.13	8.17
WLL	WIND LOAD LEFT	-5.12	-4.44	0.00	-8.72	-0.73	-4.27
WLR	WIND LOAD RIGHT	0.90	-3.19	0.00	-9.03	4.95	-5.21
EQ	SEISMIC LOAD	-4.56	-1.76	0.00	-4.06	-4.06	1.30
EWP	EW WIND PRESSURE	-0.55	-4.01	0.00	-8.52	0.55	-4.90
EWS	EW WIND SUCTION	-0.55	-4.01	0.00	-8.52	0.55	-4.90
PSF	PATT SL FIRST SPAN	1.04	6.72	0.00	6.81	-1.04	-0.12
PSL	PATT SL LAST SPAN	2.10	-0.13	0.00	8.30	-2.10	8.29
PS1	PATT SL SPAN W-1	1.04	6.72	0.00	6.81	-1.04	-0.12
PS2	PATT SL SPAN W-2	2.10	-0.13	0.00	8.30	-2.10	8.29
PDE	P Delta Unit Story S	-0.30	-0.21	0.50	0.05	-0.20	0.15
	MAX. POS. REACTION	5.98	12.09	0.00	29.99	3.98	15.46
	MAX. NEG. REACTION	-4.15	-2.18	0.00	-4.06	-5.83	-2.40



FRAME AT SIDEWALL GRIDS 12 & 13

		A		F		K	
		H	V	H	V	H	V
DL	DEAD LOAD	0.41	1.99	0.00	3.66	-0.41	2.79
CLL	COLLATERAL LOAD	0.60	2.82	0.00	6.15	-0.60	4.76
LL	LIVE LOAD	1.00	5.60	0.00	11.04	-1.00	10.78
WLL	WIND LOAD LEFT	-3.63	-3.86	0.00	-6.47	-1.48	-4.97
WLR	WIND LOAD RIGHT	2.11	-2.56	0.00	-6.53	3.21	-7.69
EQ	SEISMIC LOAD	-4.24	-1.69	0.00	-0.27	-3.33	1.42
EWP	EW WIND PRESSURE	0.64	-3.38	0.00	-6.04	-0.64	-7.36
EWS	EW WIND SUCTION	0.64	-3.38	0.00	-6.04	-0.64	-7.36
PSF	PATT SL FIRST SPAN	0.72	5.83	0.00	6.15	-0.72	-0.21
PSL	PATT SL LAST SPAN	-0.50	-0.15	0.00	-0.38	0.50	4.08
PS1	PATT SL SPAN W-1	0.72	5.83	0.00	6.15	-0.72	-0.21
PS2	PATT SL SPAN W-2	0.95	-0.04	0.00	5.39	-0.95	5.55
PS3	PATT SL SPAN W-3	-0.50	-0.15	0.00	-0.38	0.50	4.08
PDE	P Delta Unit Story S	-0.30	-0.22	0.50	0.03	-0.20	0.19
	MAX. POS. REACTION	4.06	10.46	0.00	20.97	2.80	18.34
	MAX. NEG. REACTION	-3.23	-1.87	0.00	-2.87	-3.41	-4.90



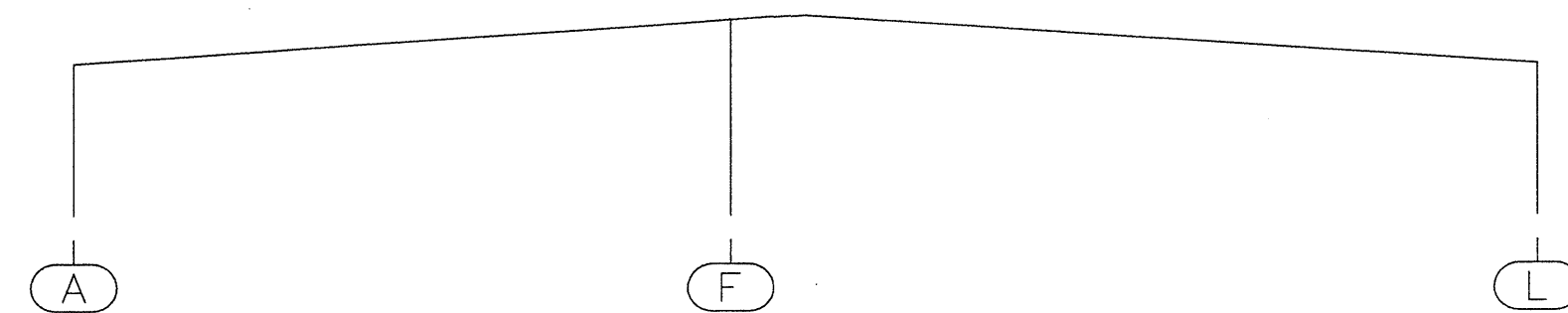
FRAME AT SIDEWALL GRID 14, 15 AND 16

		B		F		K	
		H	V	H	V	H	V
DL	DEAD LOAD	0.19	2.27	0.00	2.83	-0.19	2.68
CLL	COLLATERAL LOAD	0.20	3.81	0.00	4.59	-0.20	4.44
LL	LIVE LOAD	0.09	7.58	0.00	7.85	-0.09	11.36
WLL	WIND LOAD LEFT	-2.95	-7.02	0.00	-4.20	-2.02	-4.53
WLR	WIND LOAD RIGHT	2.36	-3.55	0.00	-4.94	2.60	-7.23
EQ	SEISMIC LOAD	-3.93	-2.23	0.00	0.80	-3.17	1.43
EWP	EW WIND PRESSURE	1.14	-6.38	0.00	-3.90	-1.14	-6.86
EWS	EW WIND SUCTION	1.14	-6.38	0.00	-3.90	-1.14	-6.86
PSF	PATT SL FIRST SPAN	-0.30	4.20	0.00	-0.72	0.30	-0.08
PSL	PATT SL LAST SPAN	-0.45	-0.16	0.00	-0.37	0.45	3.86
PS1	PATT SL SPAN W-1	-0.30	4.20	0.00	-0.72	0.30	-0.08
PS2	PATT SL SPAN W-2	0.29	3.86	0.00	3.82	-0.29	-0.06
PS3	PATT SL SPAN W-3	0.84	-0.22	0.00	5.36	-0.84	5.07
PS4	PATT SL SPAN W-4	-0.45	-0.16	0.00	-0.37	0.45	3.86
PDE	P Delta Unit Story S	-0.34	-0.31	0.50	0.11	-0.16	0.20
	MAX. POS. REACTION	3.22	13.77	0.00	15.51	2.41	18.48
	MAX. NEG. REACTION	-2.76	-4.74	0.00	-2.11	-2.67	-4.55



FRAME AT SIDEWALL GRID 13.5

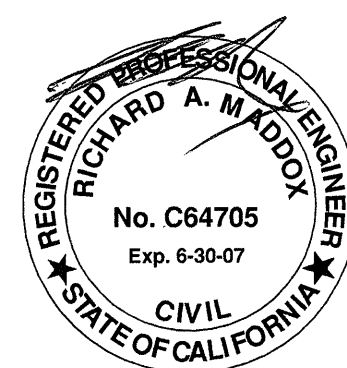
		A		B	
		H	V	H	V
DL	DEAD LOAD	0.01	0.48	-0.01	0.53
CLL	COLLATERAL LOAD	0.02	0.39	-0.02	0.35
LL	LIVE LOAD	0.06	1.29	-0.06	1.17
WLL	WIND LOAD LEFT	-1.14	-1.96	-0.93	1.10
WLR	WIND LOAD RIGHT	0.93	1.18	1.23	-2.04
EQ	SEISMIC LOAD	-0.25	-0.64	-0.25	0.64
EWP	EW WIND PRESSURE	0.49	-0.45	-0.49	-0.41
EWS	EW WIND SUCTION	0.49	-0.45	-0.49	-0.41
PSF	PATT SL FIRST SPAN	0.06	1.29	-0.06	1.17
PSL	PATT SL LAST SPAN	0.06	1.29	-0.06	1.17
PS1	PATT SL SPAN W-1	0.06	1.29	-0.06	1.17
PDE	P Delta Unit Story S	-0.02	-1.38	0.02	1.38
	MAX. POS. REACTION	0.94	2.16	1.22	2.04
	MAX. NEG. REACTION	-1.13	-1.48	-0.94	-1.51



FRAME AT SIDEWALL GRID 4

		A		F		L	
		H	V	H	V	H	V
DL	DEAD LOAD	1.01	2.33	0.00	4.92	-1.01	2.87
CLL	COLLATERAL LOAD	1.64	3.31	0.00	8.13	-1.64	4.17
LL	LIVE LOAD	3.27	6.69	0.00	14.94	-3.27	8.25
WLL	WIND LOAD LEFT	-5.20	-4.50	0.00	-8.60	-0.65	-4.32
WLR	WIND LOAD RIGHT	0.83	-3.24	0.00	-8.94	5.02	-5.25
EQ	SEISMIC LOAD	-4.58	-1.77	0.00	0.48	-4.04	1.29
EWP	EW WIND PRESSURE	-0.61	-4.06	0.00	-8.43	0.61	-4.94
EWS	EW WIND SUCTION	-0.61	-4.06	0.00	-8.43	0.61	-4.94
PSF	PATT SL FIRST SPAN	1.08	6.76	0.00	6.75	-1.08	-0.10
PSL	PATT SL LAST SPAN	2.19	-0.07	0.00	8.19	-2.19	8.35
PS1	PATT SL SPAN W-1	1.08	6.76	0.00	6.75	-1.08	-0.10
PS2	PATT SL SPAN W-2	2.19	-0.07	0.00	8.19	-2.19	8.35
PDE	P Delta Unit Story S	-0.30	-0.21	0.50	0.05	-0.20	0.15
	MAX. POS. REACTION	5.95	12.34	0.00	28.00	4.01	15.29
	MAX. NEG. REACTION	-4.20	-2.17	0.00	-4.01	-5.92	-2.38

**SEE REACTION NOTES ON SHEET 01B



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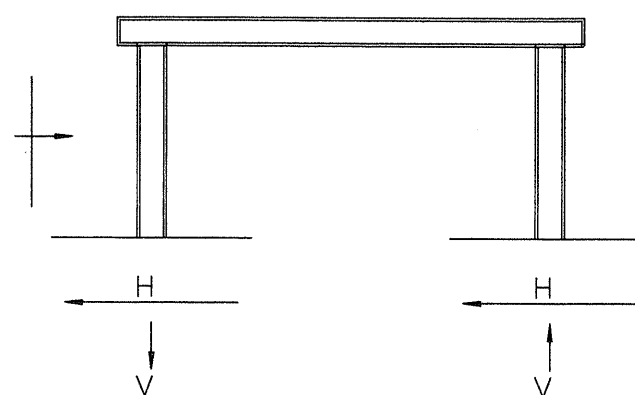
REVISION NO. 1		REVISION NO. 2		BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:
DATE: 2/19/06	General Revision	DATE:				CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X2				

USERNAME: Aaron D. Newell 02-17-2006 12:53:42
O:\Orders\136734\Permit Dwg\136734-1b.dwg

FRAME AT SIDEWALL GRID 7.4

		A		A.5	
		H	V	H	V
DL	DEAD LOAD	0.01	0.52	-0.01	0.55
CLL	COLLATERAL LOAD	0.01	0.52	-0.01	0.45
LL	LIVE LOAD	0.04	1.72	-0.04	1.52
WLL	WIND LOAD LEFT	-1.90	-3.98	-1.60	2.84
WLR	WIND LOAD RIGHT	1.56	2.99	2.05	-4.12
EQ	SEISMIC LOAD	-0.35	-1.15	-0.35	1.15
EWP	EW WIND PRESSURE	0.84	-0.61	-0.84	-0.53
EWS	EW WIND SUCTION	0.84	-0.61	-0.84	-0.53
PSF	PATT SL FIRST SPAN	0.04	1.72	-0.04	1.52
PSL	PATT SL LAST SPAN	0.04	1.72	-0.04	1.52
PS1	PATT SL SPAN W-1	0.04	1.72	-0.04	1.52
PDE	P Delta Unit Story S	-0.01	-1.82	0.01	1.82
	MAX. POS. REACTION	1.57	3.51	2.04	3.39
	MAX. NEG. REACTION	-1.89	-3.45	-1.61	-3.58

PORTAL FRAME REACTION

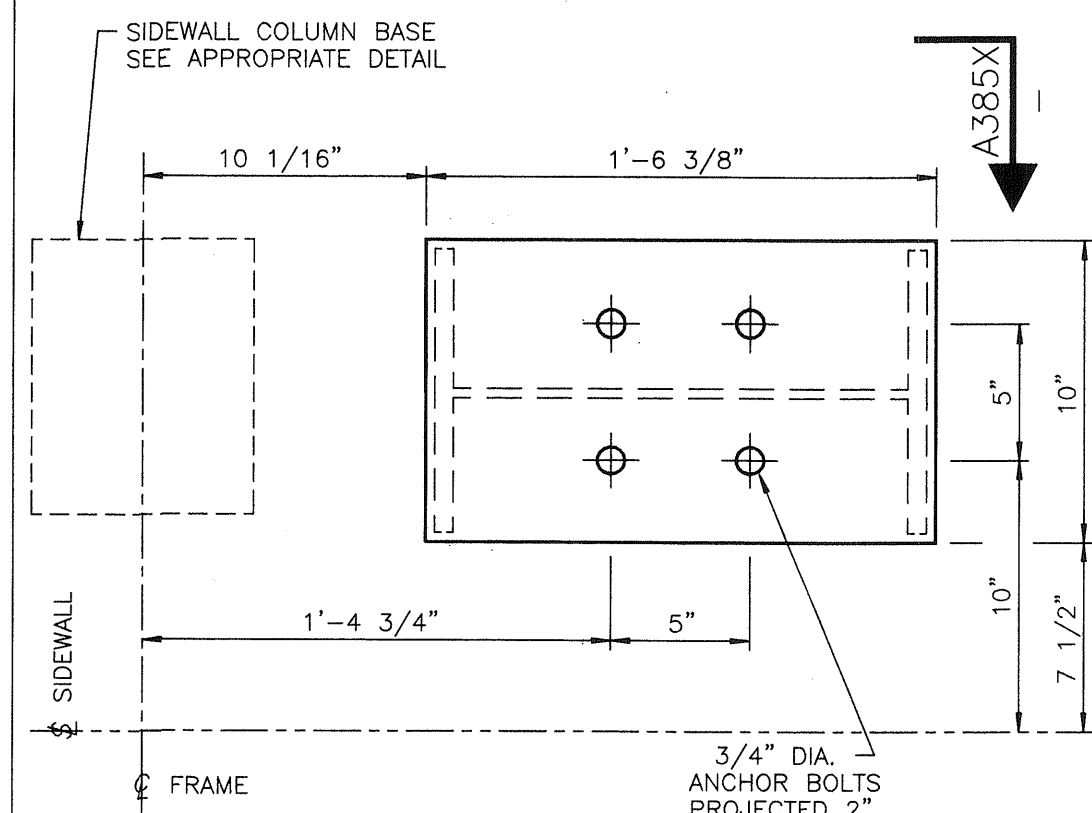
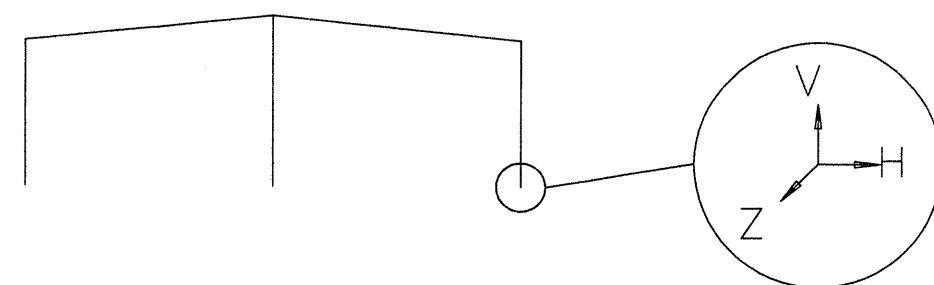


SIDEWALL GRID	BETWEEN GRIDS	H (WL)	V (WL)	H (EQ)	V (EQ)
A	3-4	2	3	13	28
A	4-5	2	3	13	28
A	16-17	2	3	13	28
L	3-4	2	3	13	28
L	4-5	2	3	13	28
L	16-17	2	3	13	28

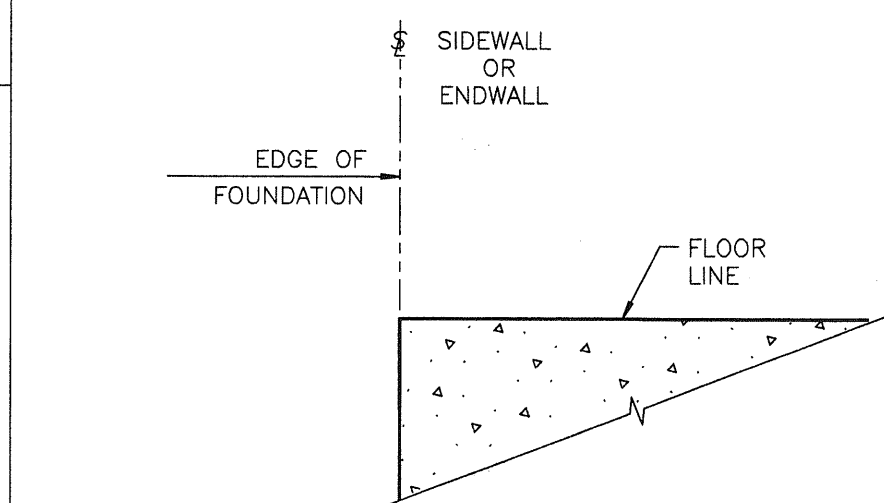
SEISMIC REACTIONS INCLUDE REDUNDANCY FACTOR Rho BUT DO NOT INCLUDE OVER STRENGTH FACTOR Omega.

REACTION NOTES:

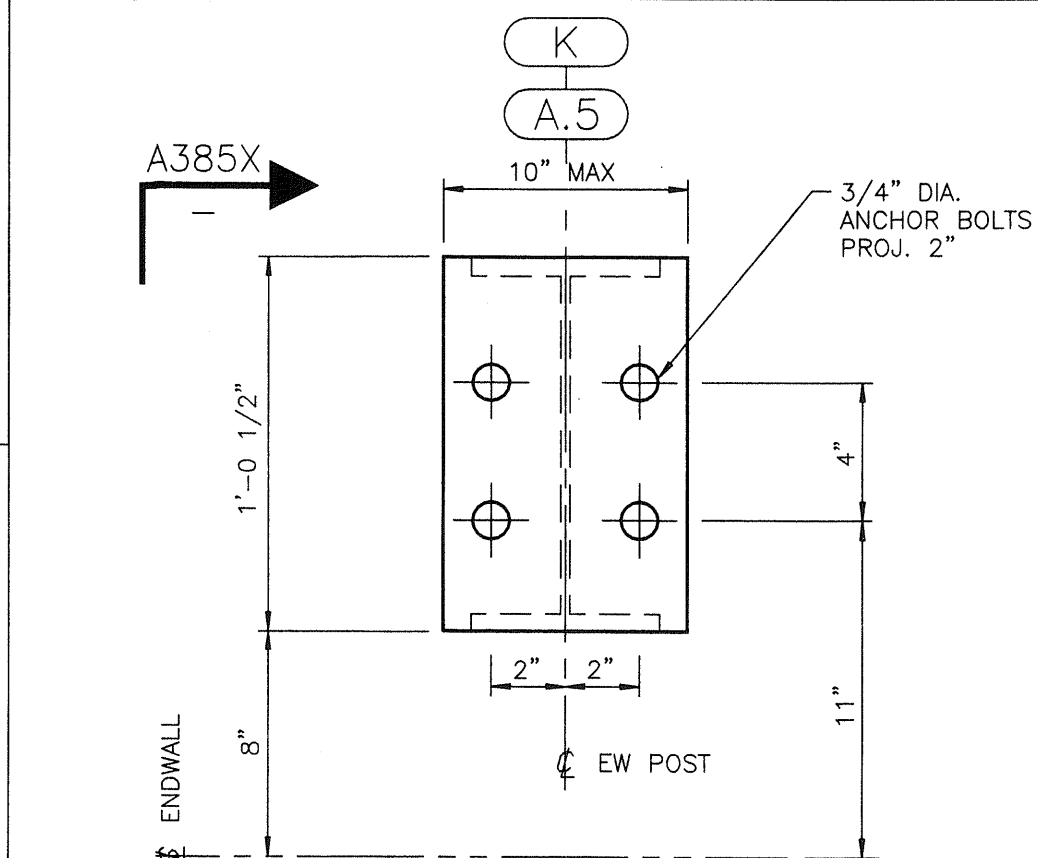
1. THE VERTICAL (V) AND HORIZONTAL (H AND Z) REACTION ARE STATED IN KIPS. (1 KIP = 1000 POUNDS) POSITIVE DIRECTION IS AS SHOWN IN THE FOLLOWING DIAGRAM.
2. MOMENT REACTIONS ARE STATED IN INCH-KIPS AND ARE POSITIVE IN A COUNTERCLOCKWISE DIRECTION.
3. THE FORCE ON THE ANCHOR BOLTS OR FOUNDATION WILL BE IN THE OPPOSITE DIRECTION TO THAT SHOWN.
4. MAXIMUM REACTION SUMMARY IS THE MAXIMUM POSITIVE AND NEGATIVE REACTIONS BASED ON THE REQUIRED LOAD COMBINATIONS.
5. SEISMIC REACTIONS SHOWN ARE CONSISTENT WITH THE BASE SHEAR (V) FROM THE SPECIFIED BUILDING CODE WITHOUT ADJUSTMENT FACTORS.
6. THE WIND LOAD BRACING REACTIONS DO NOT INCLUDE EWP, EWS AND IP REACTIONS FROM THE INTERMEDIATE FRAME. THESE REACTIONS SHOULD BE ADDED TO GET THE TOTAL REACTIONS FOR THE FOUNDATION DESIGN.



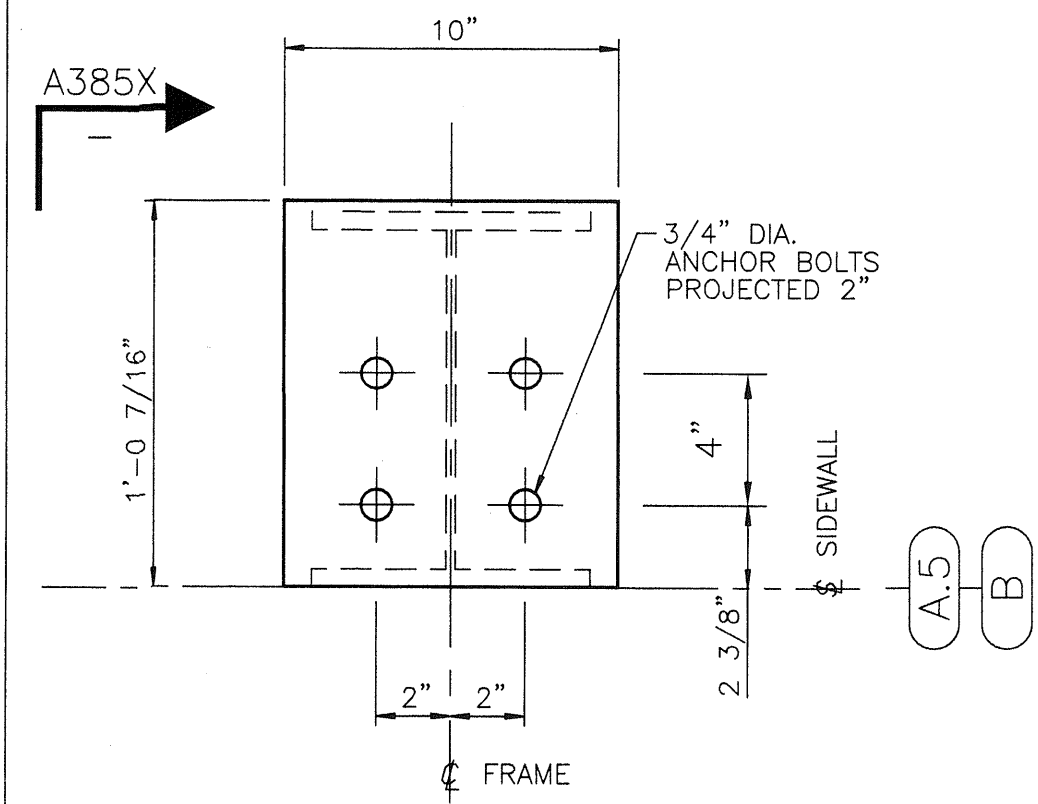
DETAIL A345 PORTAL FRAME COLUMN - (LEFT)



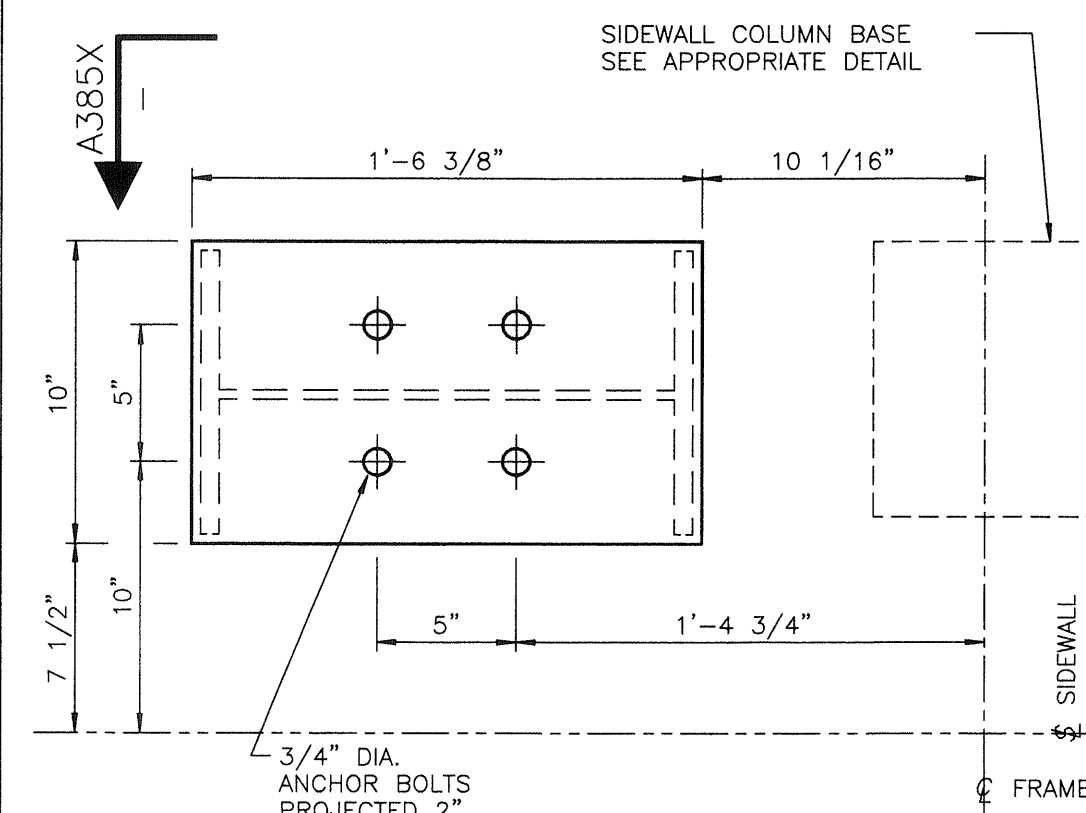
DETAIL A411 SECTION AT EDGE OF FOUNDATION UN-NOTCHED BASE LAPPED



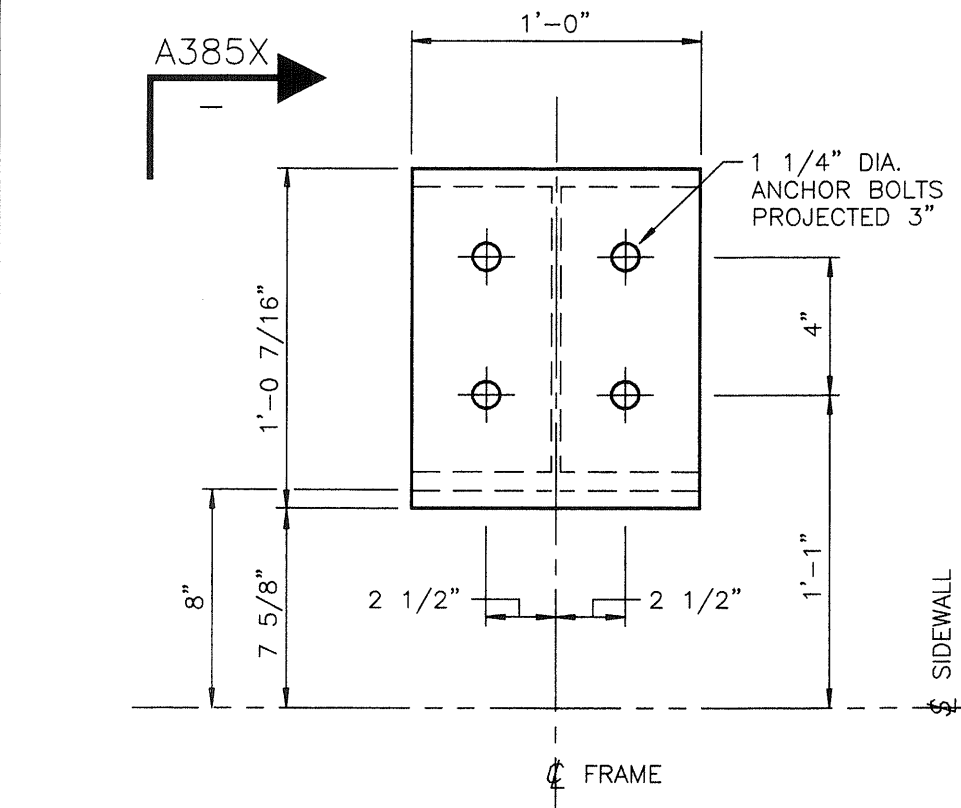
DETAIL A54X ENDWALL POST



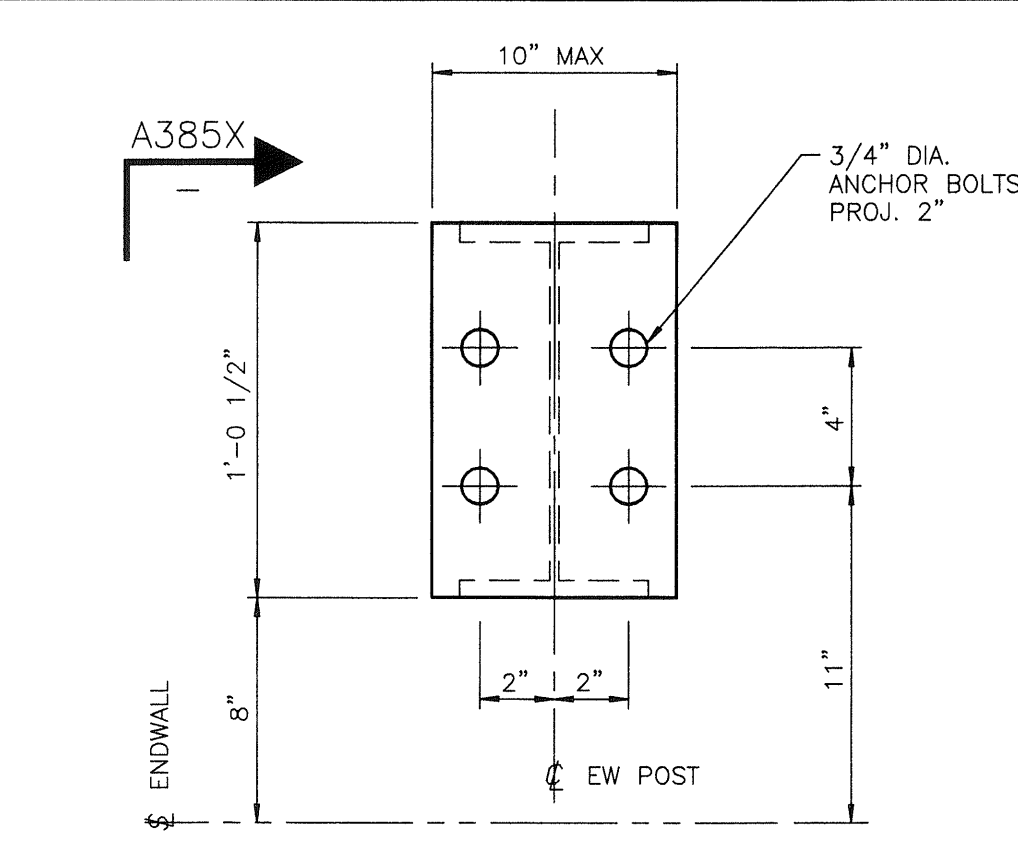
DETAIL A607X SIDEWALL COLUMN



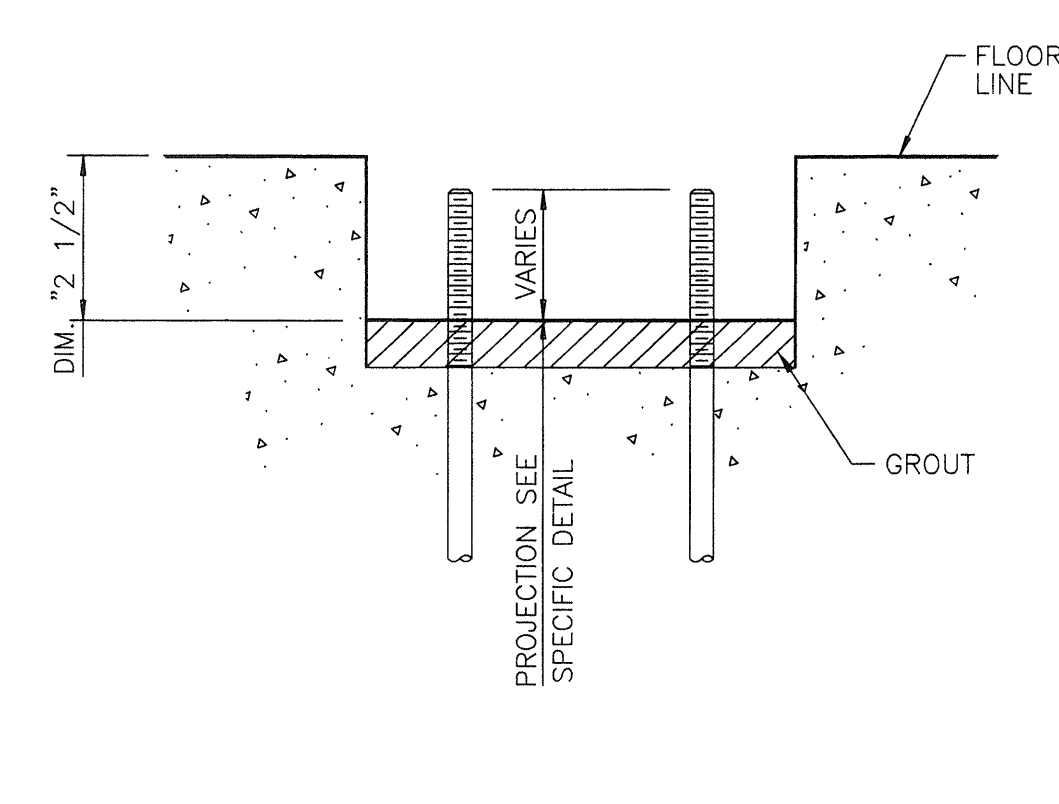
DETAIL A346 PORTAL FRAME COLUMN - (RIGHT)



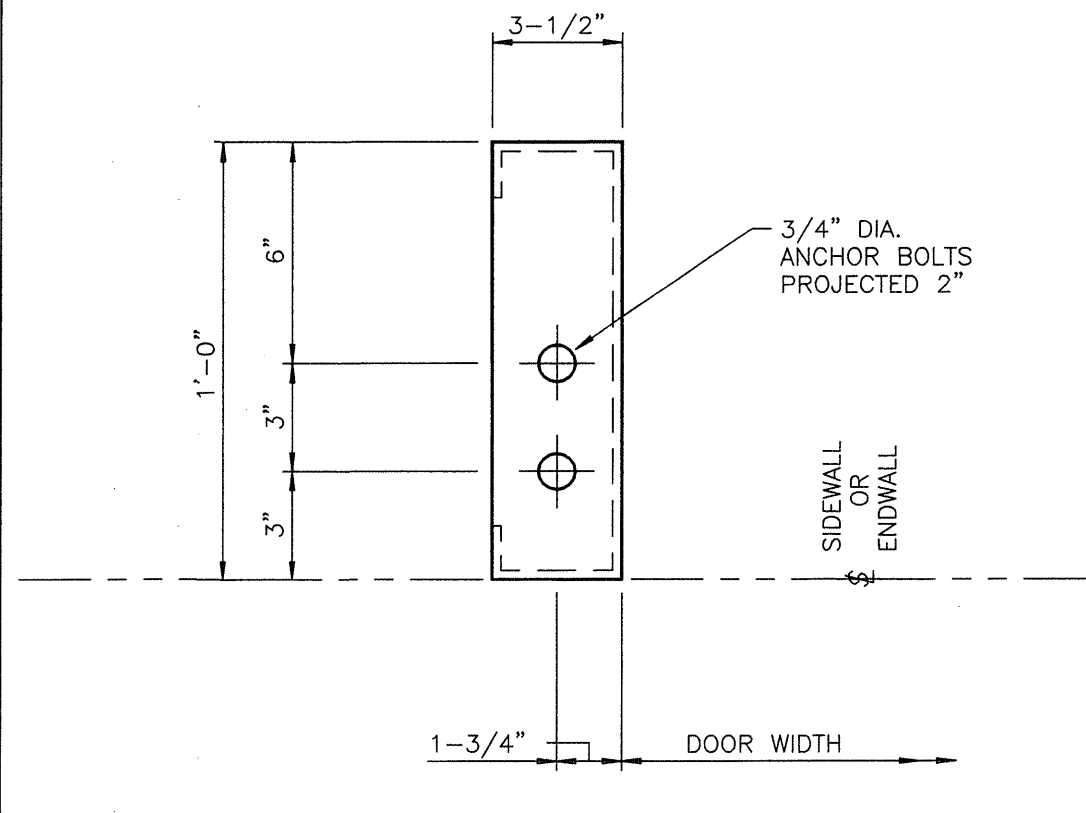
DETAIL A504 SIDEWALL COLUMN



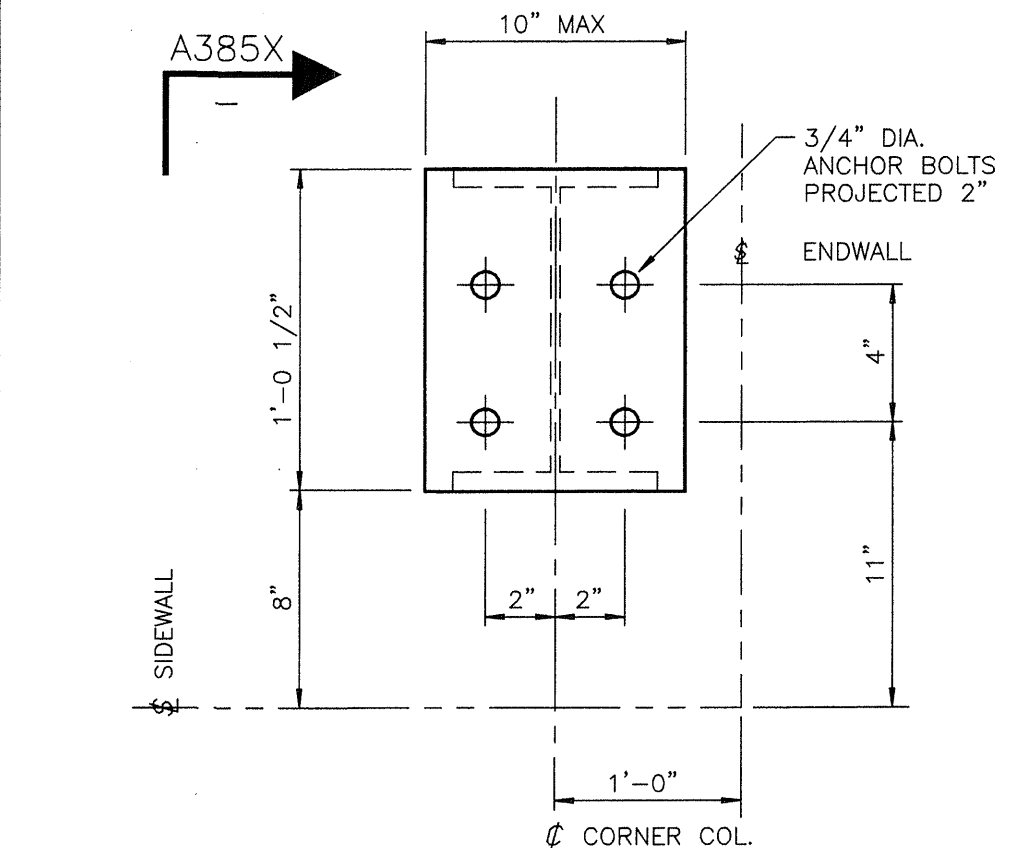
DETAIL A554 ENDWALL POST



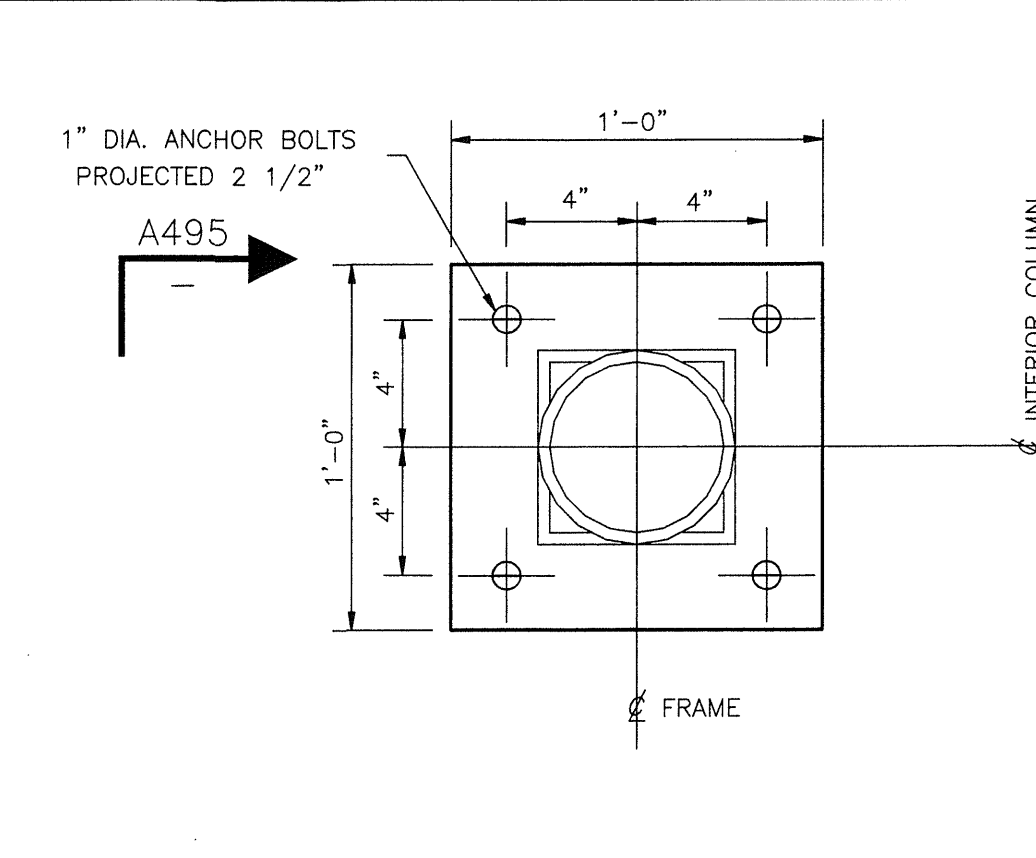
DETAIL A495 INTERIOR COLUMN SECTION



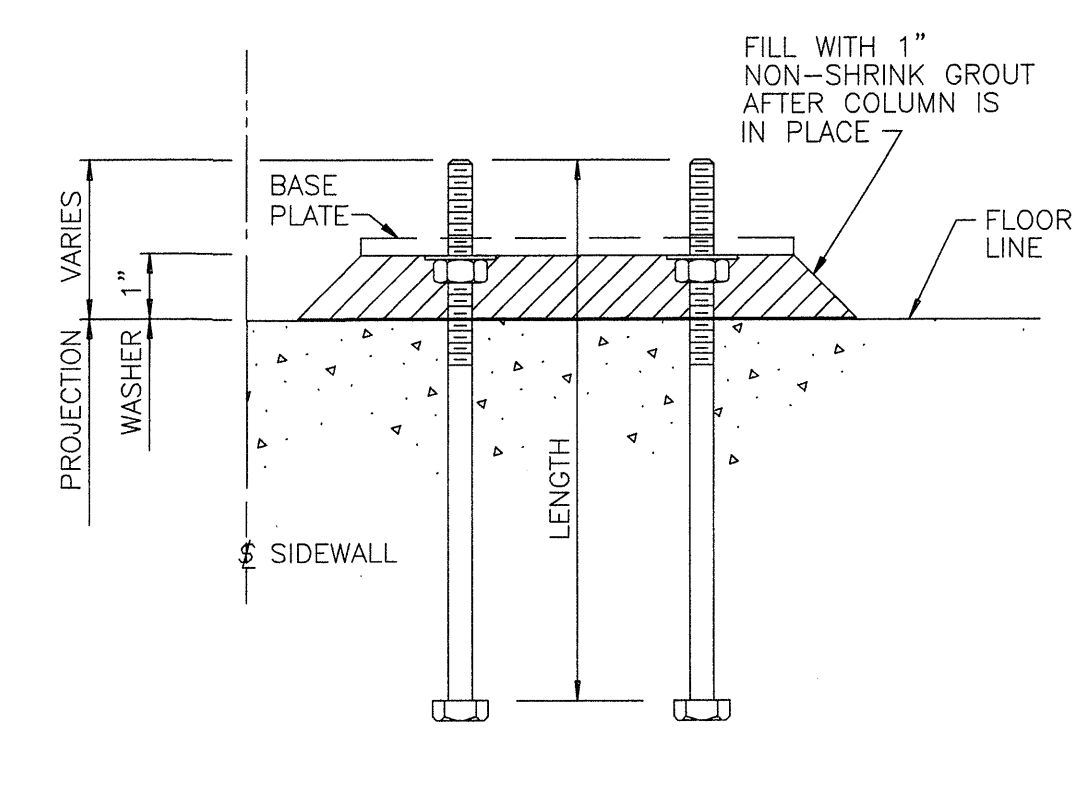
DETAIL A393 12" DOOR POST (LEFT)



DETAIL A544 CORNER COLUMN

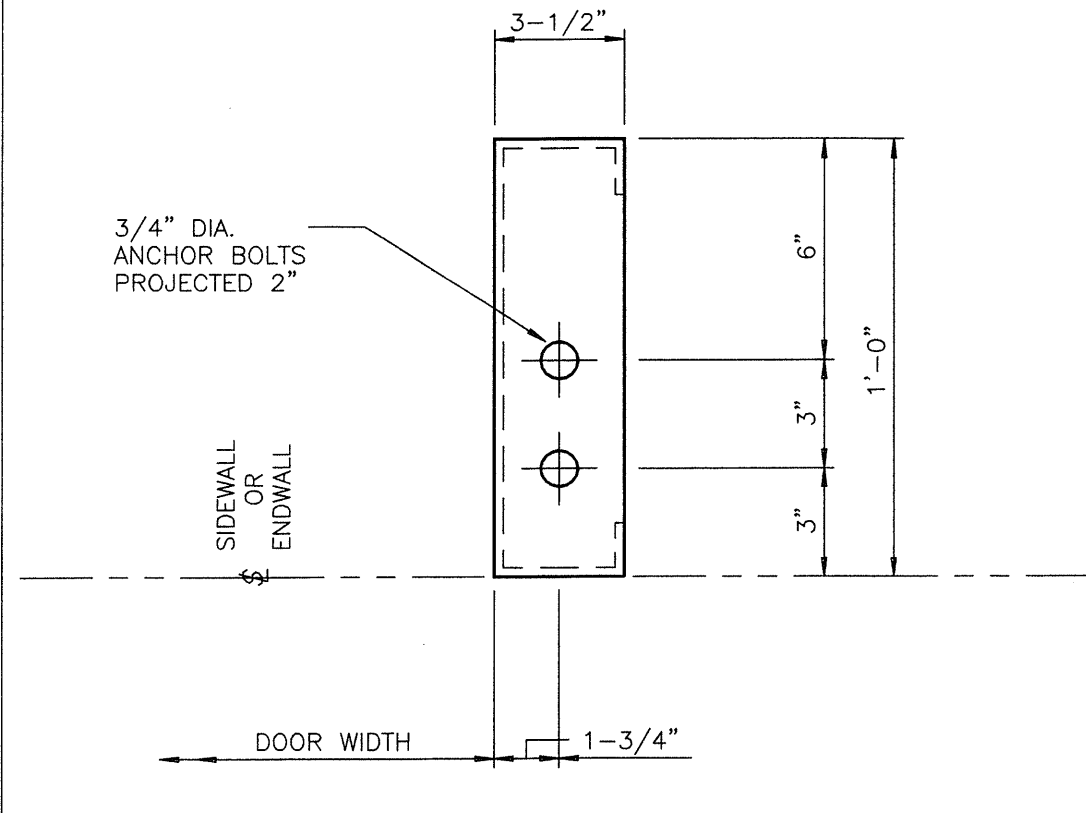


DETAIL A583 INTERIOR PIPE OR TUBE COLUMN

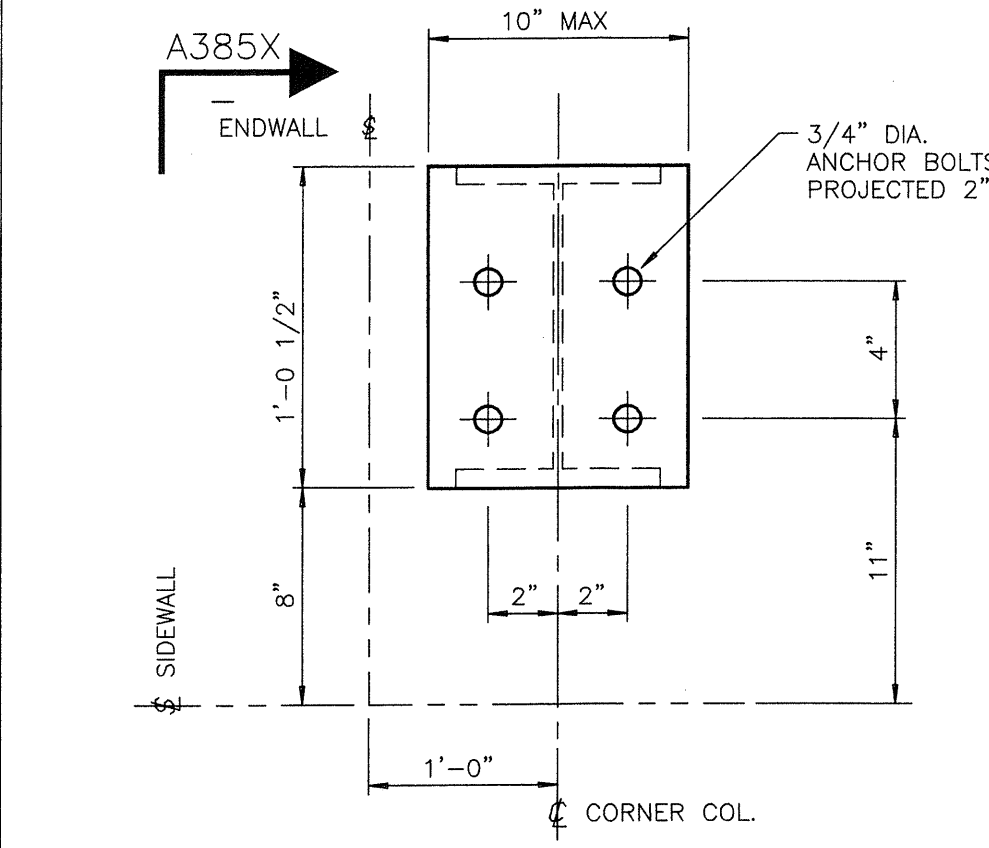


*PROJECTION ON AB DETAILS IS FROM BOTTOM OF BASE PLATE

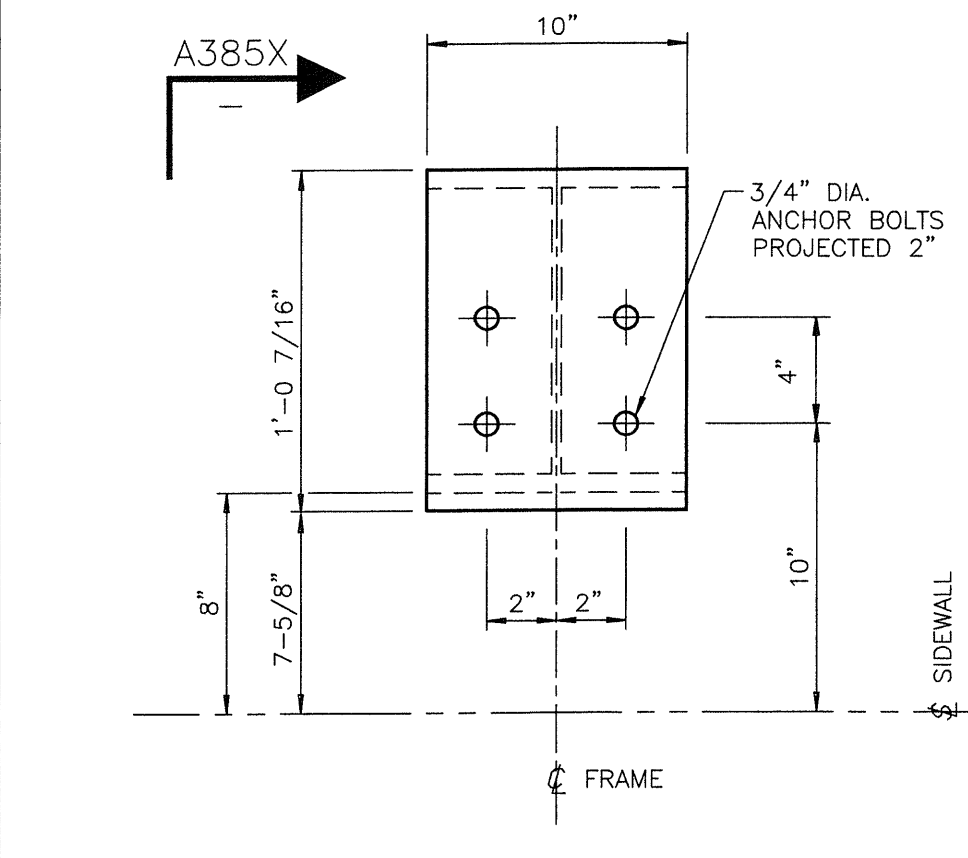
DETAIL A385X COLUMN SECTION



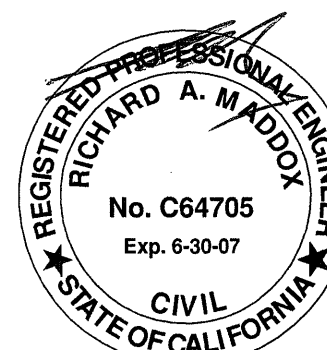
DETAIL A394 12" DOOR POST (RIGHT)



DETAIL A545 CORNER COLUMN



DETAIL A605 SIDEWALL COLUMN



REVISION NO. 1

DATE: 2/02/06
DRAWN BY: ADNEWELL
CHECKED BY:

REVISION NO. 2

DATE: 2/16/06
DRAWN BY: ADNEWELL
CHECKED BY:

BUTLER
BUTLER MANUFACTURING
COMPANY
GENERAL OFFICES-KANSAS CITY, MISSOURI

PRODUCT OF THE
TROND
ORDER ENGINEERING
SYSTEM

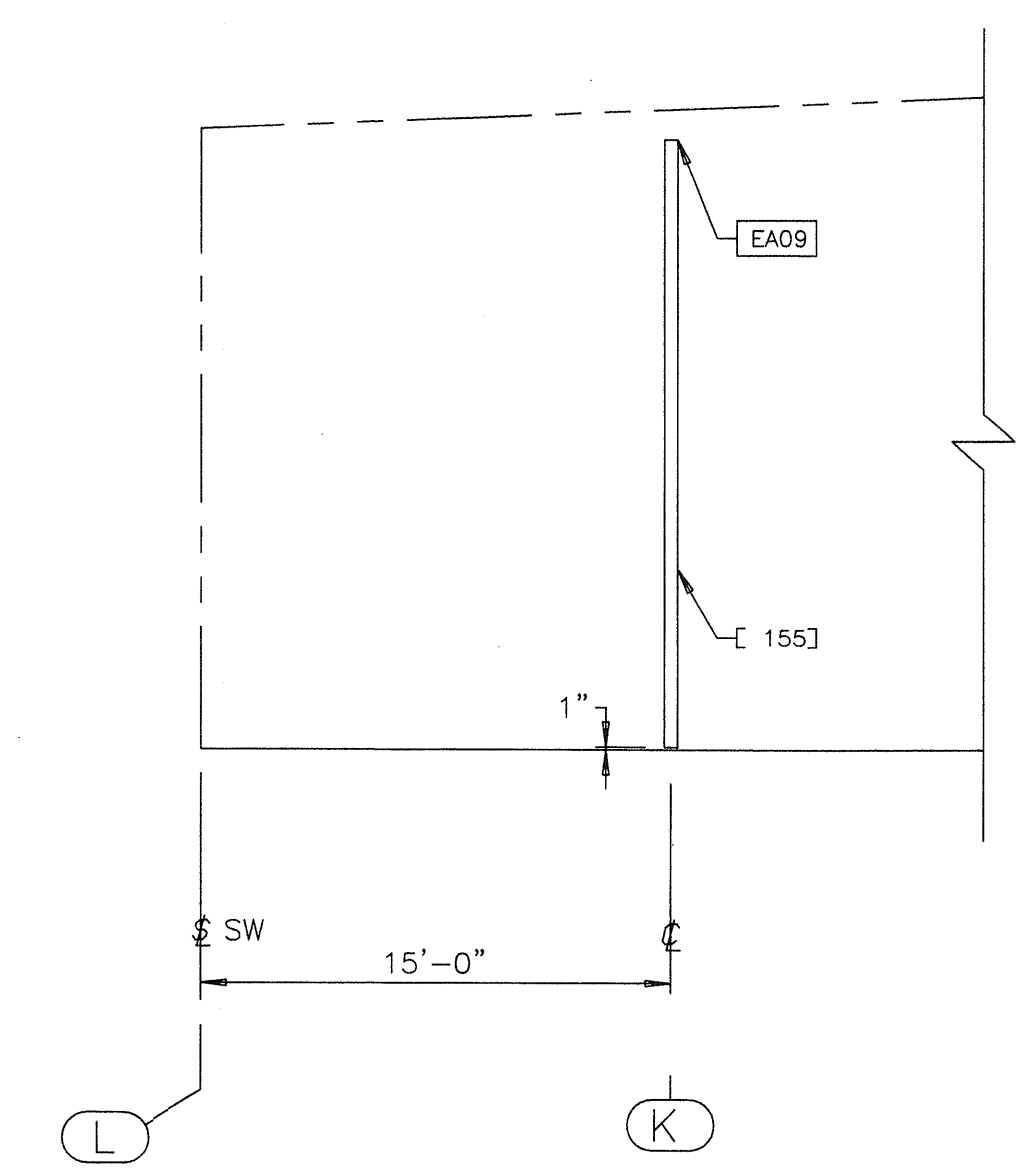
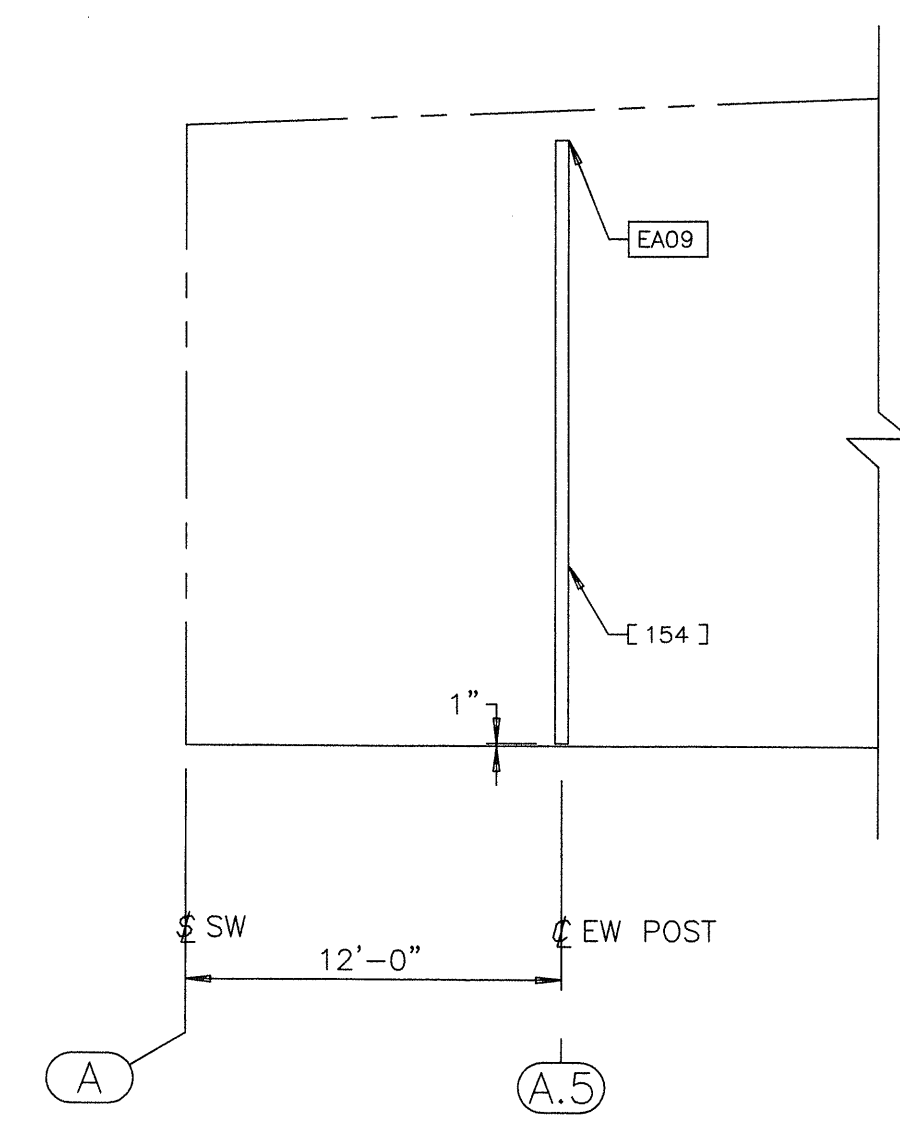
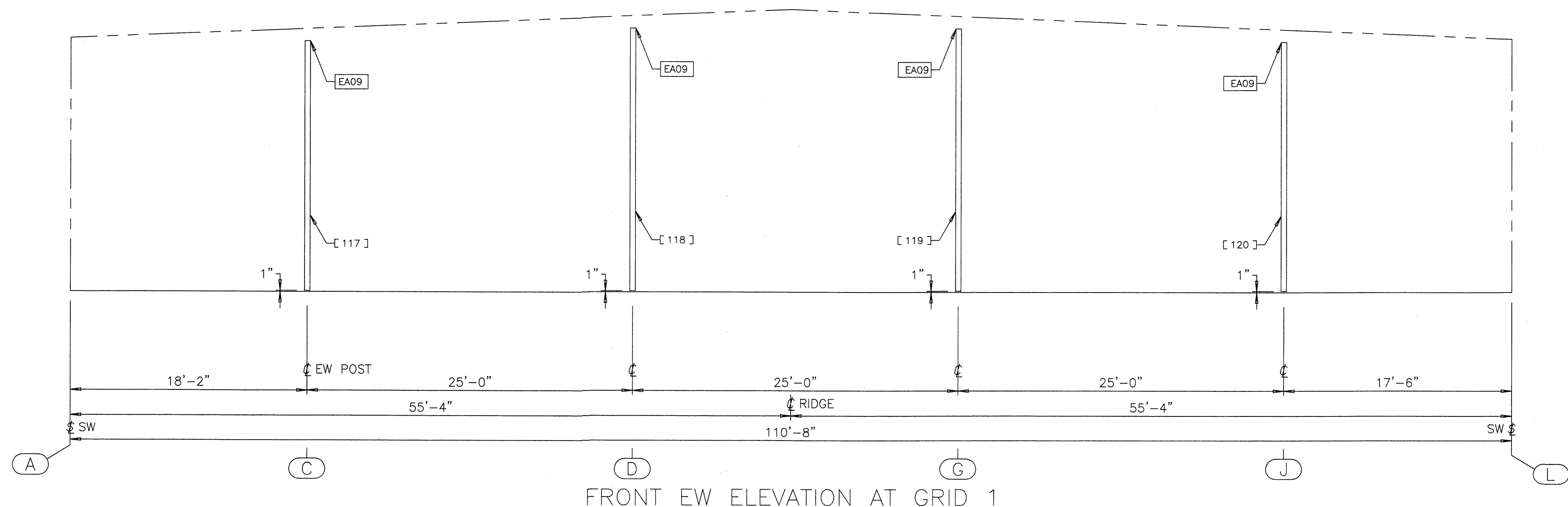
BUILDER:
DIEDE CONSTRUCTION, INC
WOODBRIDGE, CA

PROJECT:
CITY OF SAN JOSE
CENTRAL SERVICES
BUILDING F
SAN JOSE, CA

BUILDING ORDER DESCRIPTION:
110X309X20 MRF
20# LL + 6#CLL
70 MPH EXP B CBC 01
ZONE 4 Na=1 Nv=1.2

DRAWING TITLE:
SPECIFIC
REACTION DRAWING

DRW: ADNEWELL
CHK:
DRAWING NUMBER:
D06-136734-01B
ENG:
DATE: 01/25/06
REV.
02



PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
117	EW INTERM POST	V68122	19'-7 3/32"	
118	EW INTERM POST	V68124	20'-7 19/32"	
119	EW INTERM POST	V68126	20'-7 1/4"	
120	EW INTERM POST	V68128	19'-6 3/4"	
154	EW INTERM POST	XXXXXX		
155	EW INTERM POST	XXXXXX		

STANDARD NOTES:

IF0009 1/2" DIA BOLTS AND NUTS MAY BE FURNISHED AS AN ASSEMBLY. IF THE DRAWINGS CALL OUT THESE BOLTS AND NUTS BY THEIR COMPONENT NO'S. ASSEMBLY CONTAINS

0097461 1/2X1-1/4 BOLT (0095085) AND NUT (0095032)

0097462 1/2X1-1/4 THN HD BOLT (0096636) AND NUT (0095032)

0097463 1/2X1-1/2 BOLT (0095185) AND NUT (0095032)

0097464 1/2X1-3/4 GALV BOLT (0095331) AND (0095032)

0097465 1/2X2 A325T BOLT (0097280) AND (0095230)

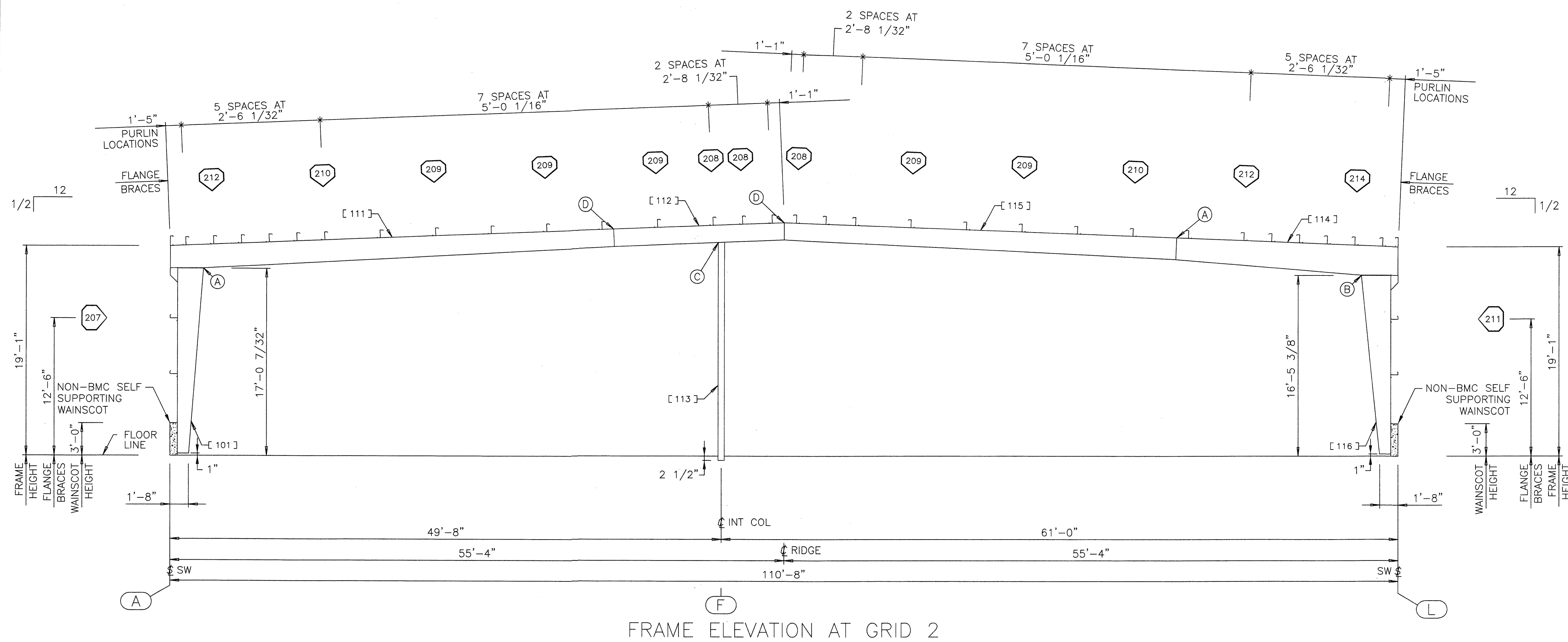
IF0011 ALL HIGH STRENGTH BOLTS USED IN PRIMARY FRAME CONNECTIONS ARE A-325-T WITH HEAVY HEX NUTS AND ARE TO BE INSTALLED USING THE "TURN-OF-THE-NUT" METHOD SPECIFIED IN THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", PUBLISHED BY RCSC, DATED JUNE 23, 2000. A-325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE TURN-OF-THE-NUT METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO ASSURE PROPER TIGHTNESS. SEE INSTALLATION OF A-325 BOLT DRAWING 1080268.

USERNAME: Aaron D. Newell 02-17-2006 12:50:40
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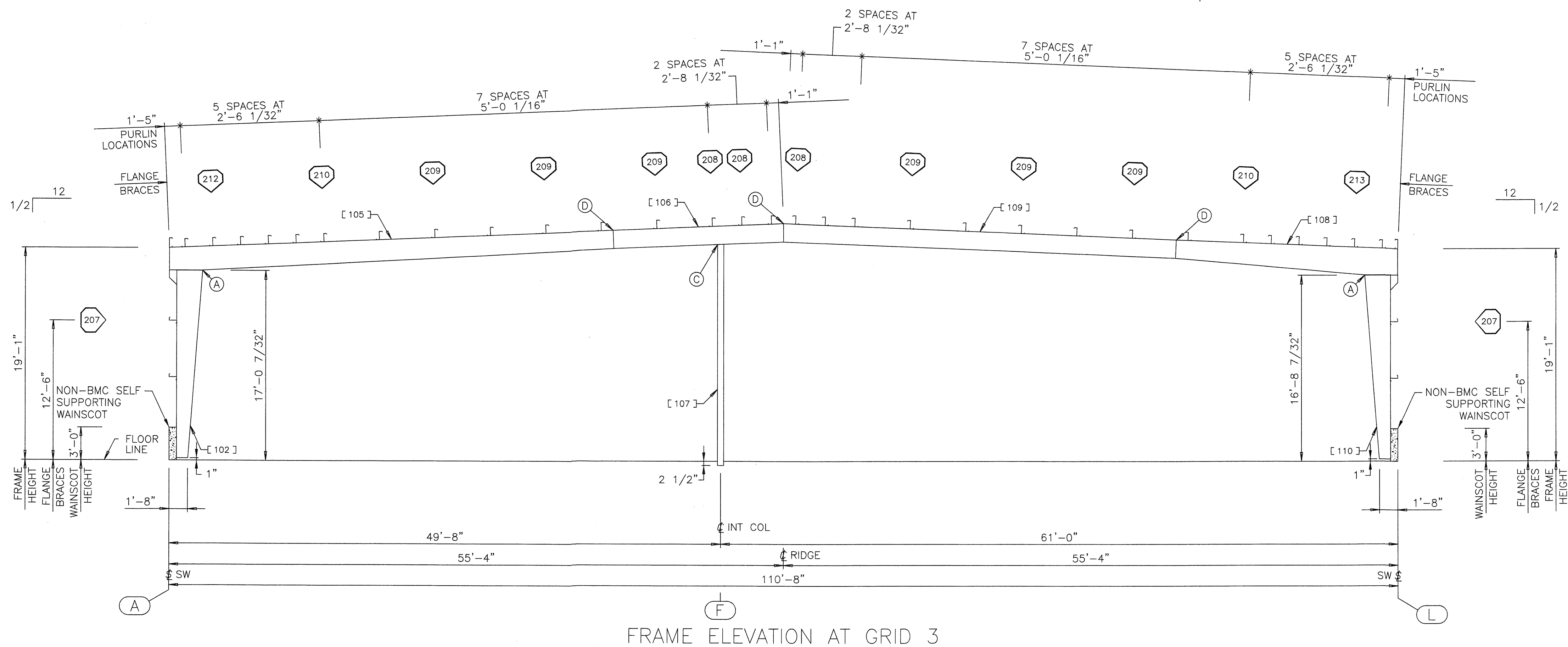


REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE PRIMO ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:
DATE: 2/17/06	General Revision	DATE:				DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	CROSS SECTION ERECTION DRAWING	CHK:	DATE: 01/25/06
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:	REV.
CHECKED BY:		CHECKED BY:								D06-136734-02	01

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FRAME ELEVATION AT GRID 2



FRAME ELEVATION AT GRID 3

PART SCHEDULE

[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
101	EXTERIOR COLUMN	V67972	16'-11 7/32"	
102	EXTERIOR COLUMN	V68042	16'-11 7/32"	
105	ROOF BEAM	V68084	40'-0 1/32"	
106	ROOF BEAM	V68086	15'-4 13/32"	
107	INTERIOR COLUMN	V68088	19'-8 3/16"	
108	ROOF BEAM	V68090	19'-11 9/16"	
109	ROOF BEAM	V68092	35'-4 7/8"	
110	EXTERIOR COLUMN	V68094	16'-7 7/32"	
111	ROOF BEAM	V68096	39'-11 23/32"	
112	ROOF BEAM	V68098	15'-4 23/32"	
113	INTERIOR COLUMN	V68100	19'-8 3/16"	
114	ROOF BEAM	V68102	19'-11 23/32"	
115	ROOF BEAM	V68104	35'-4 3/4"	
116	EXTERIOR COLUMN	V68106	16'-4 3/8"	

BOLTED CONNECTION SCHEDULE

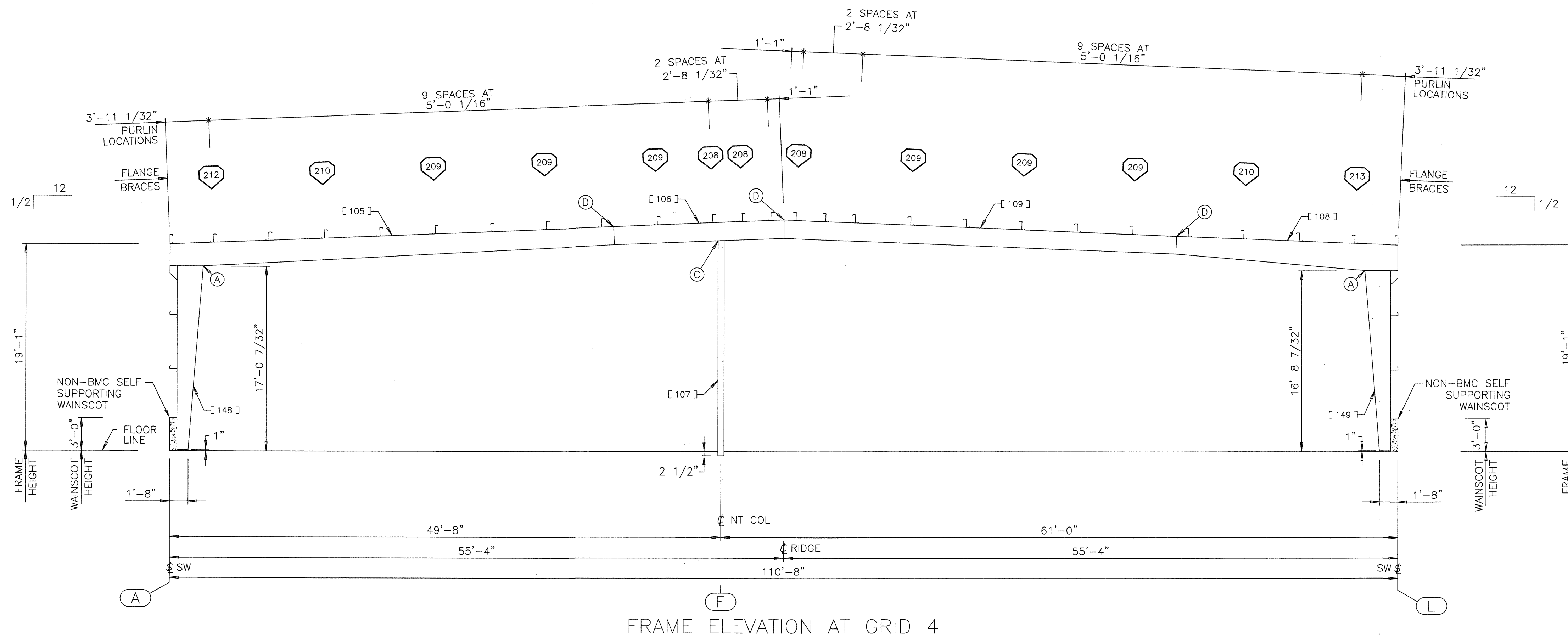
○	QUANTITY	BOLT NO.	DESCRIPTION	NUT NO.	DETAIL
A	08	097284	3/4X2-1/2 BOLT A325T	095235	
B	10	097284	3/4X2-1/2 BOLT A325T	095235	
C	04	097282	5/8X2-1/4 BOLT A325T	095233	
D	08	097282	5/8X2-1/4 BOLT A325T	095233	

FLANGE BRACE SCHEDULE

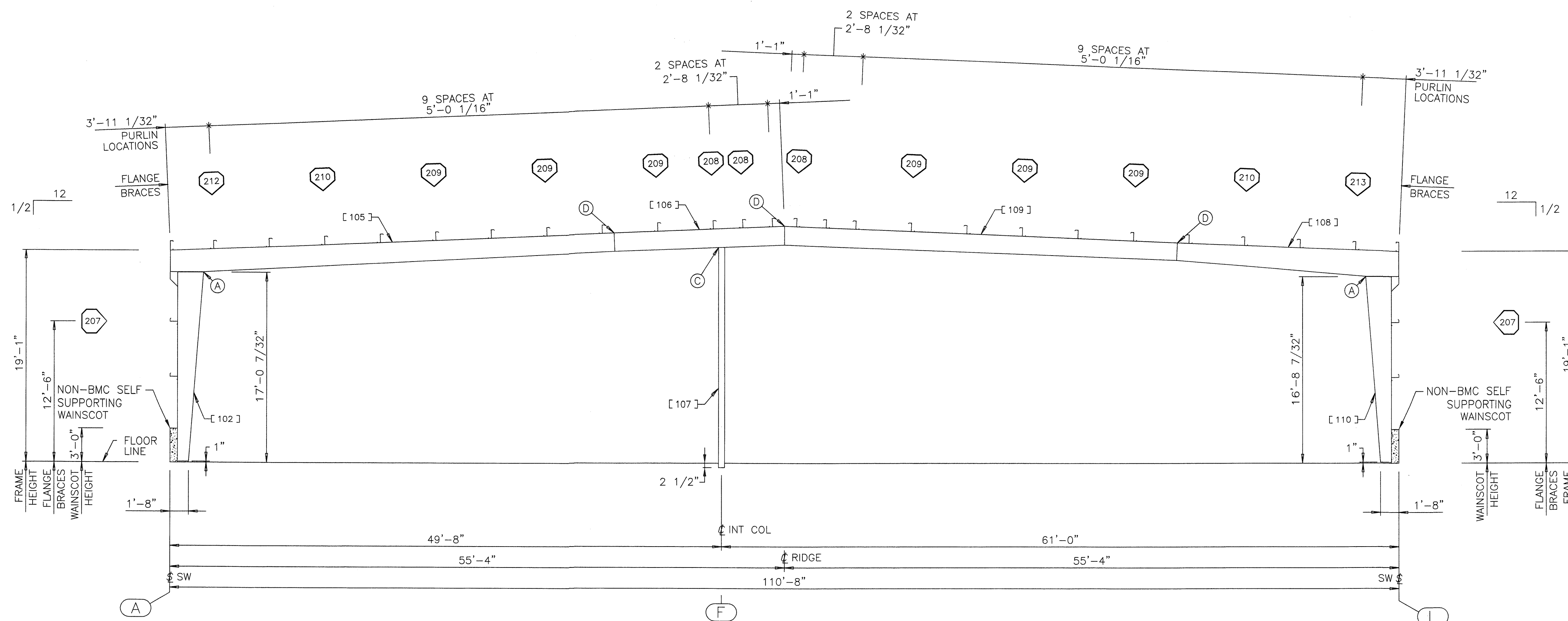
◇	PART NO. FRONT/LEFT	PART NO. REAR/RIGHT	DIM. "γ"	DETAIL	FIELD WORK ▲
207	545102		1'-10 1/2"	C347	
208	545102	545102	1'-10 1/2"	C344	
209	545102		1'-10 1/2"	C346	
210	545102		1'-10 1/2"	C347	
211	545103		2'-4 1/2"	C346	
212	545103		2'-4 1/2"	C346	
213	545103		2'-4 1/2"	C347	
214	545104		2'-10 1/2"	C346	



REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE PRIMO ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:
DATE: 2/17/06	General Revision	DATE:				DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	CROSS SECTION ERECTION DRAWING	CHK:	DATE: 01/25/06
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:	REV.
CHECKED BY:		CHECKED BY:								D06-136734-02A	01



FRAME ELEVATION AT GRID 4



FRAME ELEVATION AT GRIDS 5,6,8,9, AND 10

PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
102	EXTERIOR COLUMN	V68042	16'-11 7/32"	
105	ROOF BEAM	V68084	40'-0 1/32"	
106	ROOF BEAM	V68086	15'-4 13/32"	
107	INTERIOR COLUMN	V68088	19'-8 3/16"	
108	ROOF BEAM	V68090	19'-11 9/16"	
109	ROOF BEAM	V68092	35'-4 7/8"	
110	EXTERIOR COLUMN	V68094	16'-7 7/32"	
148	EXTERIOR COLUMN	V68588	16'-11 7/32"	
149	EXTERIOR COLUMN	V68590	16'-7 7/32"	

BOLTED CONNECTION SCHEDULE					
○	QUANTITY	BOLT NO.	DESCRIPTION	NUT NO.	DETAIL
A	08	097284	3/4X2-1/2 BOLT A325T	095235	
C	04	097282	5/8X2-1/4 BOLT A325T	095233	
D	08	097282	5/8X2-1/4 BOLT A325T	095233	

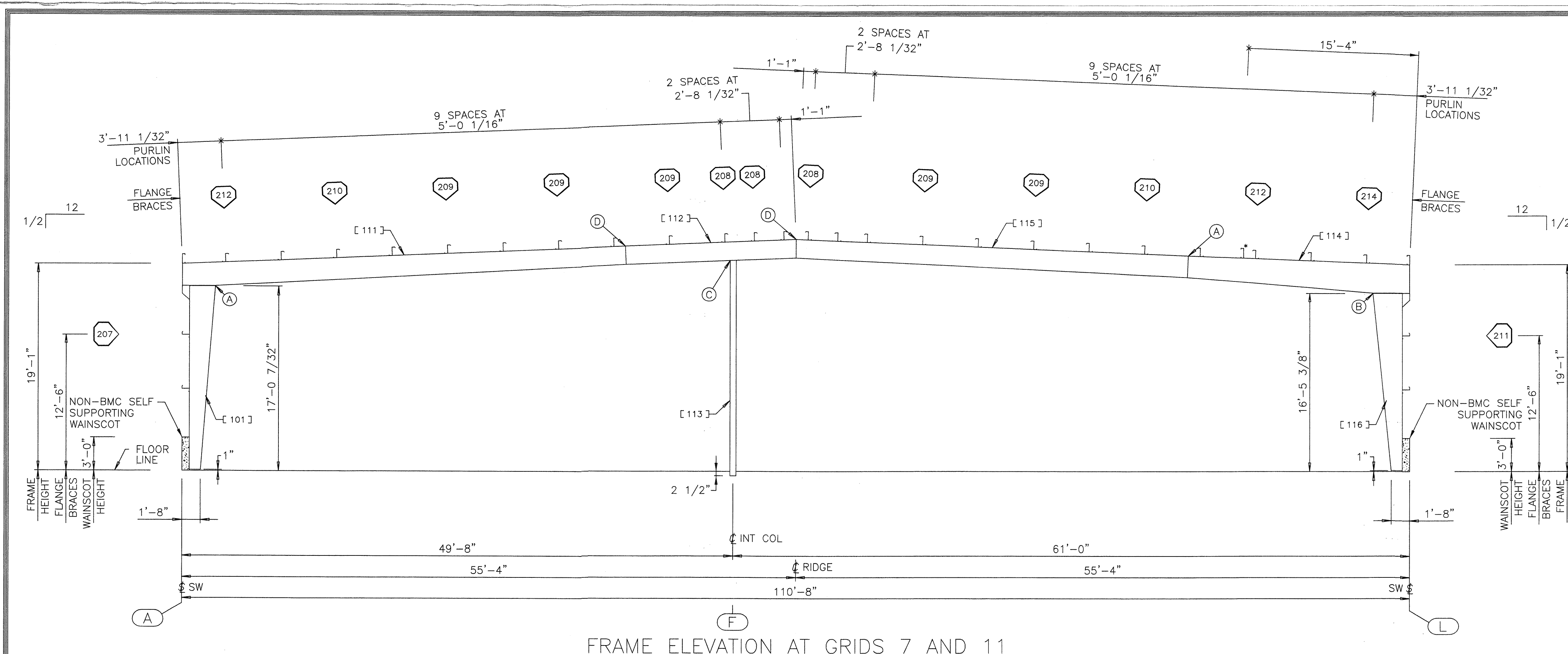
FLANGE BRACE SCHEDULE					
◇	PART NO. FRONT/LEFT	PART NO. REAR/RIGHT	DIM. "Y"	DETAIL	FIELD WORK ▲
207	545102		1'-10 1/2"	C347	
208	545102	545102	1'-10 1/2"	C344	
209	545102		1'-10 1/2"	C346	
210	545102		1'-10 1/2"	C347	
212	545103		2'-4 1/2"	C346	
213	545103		2'-4 1/2"	C347	



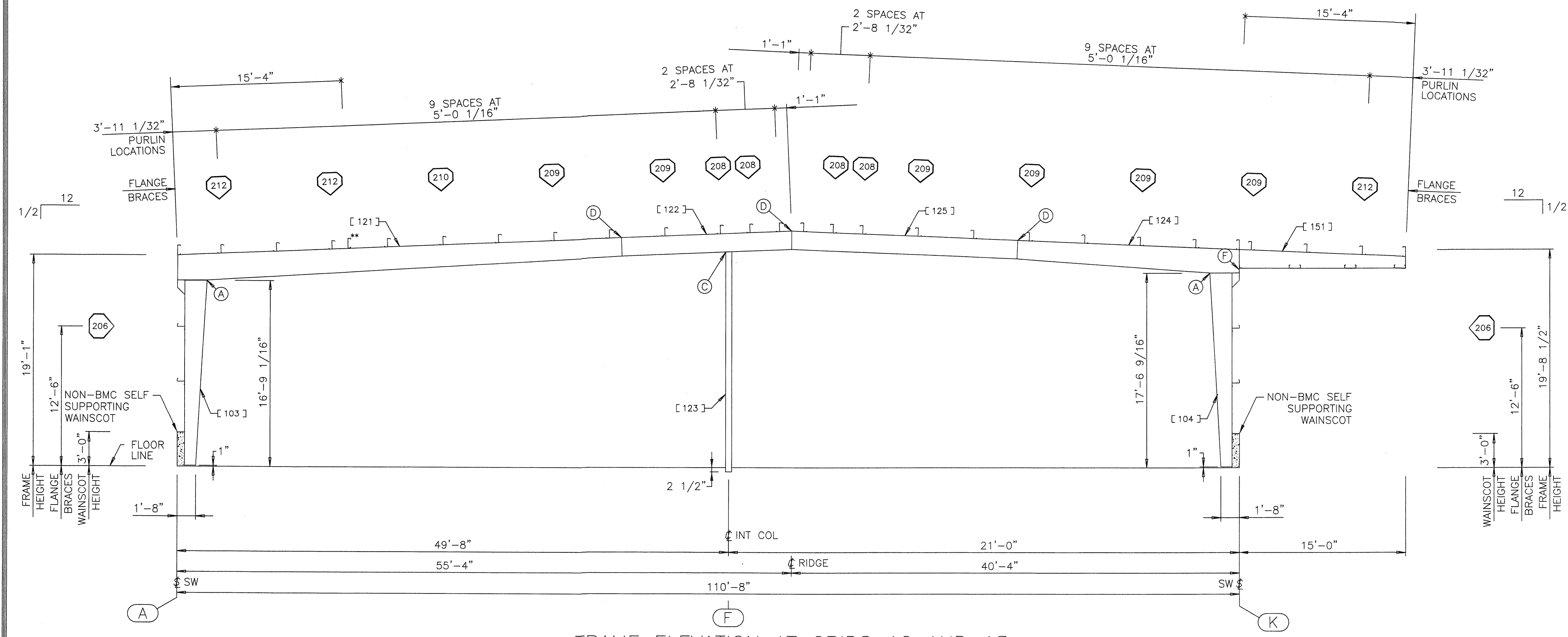
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REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE PROVO ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	PROJECT: CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	DRAWING TITLE: CROSS SECTION ERECTION DRAWING	DRW: ADNEWELL	ENG:
DATE: 2/17/06	General Revision	DATE:								CHK:	DATE: 01/25/06
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:	REV.
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FRAME ELEVATION AT GRIDS 7 AND 11



FRAME ELEVATION AT GRIDS 12 AND 13

PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
101	EXTERIOR COLUMN	V67972	16'-11 7/32"	
103	EXTERIOR COLUMN	V68056	16'-8 1/16"	
104	EXTERIOR COLUMN	V68068	17'-5 9/16"	
111	ROOF BEAM	V68096	39'-11 23/32"	
112	ROOF BEAM	V68098	15'-4 23/32"	
113	INTERIOR COLUMN	V68100	19'-8 3/16"	
114	ROOF BEAM	V68102	19'-11 23/32"	
115	ROOF BEAM	V68104	35'-4 3/4"	
116	EXTERIOR COLUMN	V68106	16'-4 3/8"	
121	ROOF BEAM	V68130	40'-0 7/32"	
122	ROOF BEAM	V68132	15'-4 7/32"	
123	INTERIOR COLUMN	V68134	19'-8 3/16"	
124	ROOF BEAM	V68136	19'-11 21/32"	
125	ROOF BEAM	V68138	20'-4 21/32"	
151	15' CANOPY BEAM	XXXXXX		

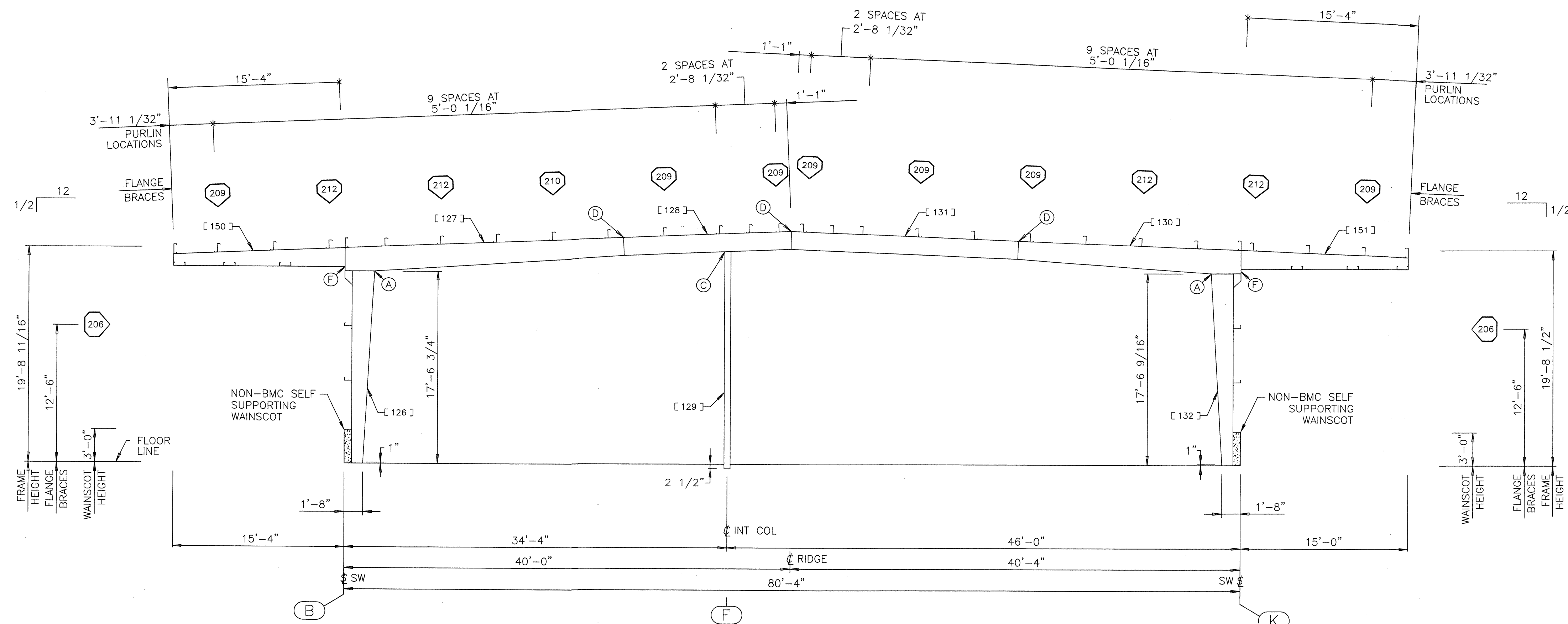
BOLTED CONNECTION SCHEDULE					
○	QUANTITY	BOLT NO.	DESCRIPTION	NUT NO.	DETAIL
A	08	097284	3/4X2-1/2 BOLT A325T	095235	
B	10	097284	3/4X2-1/2 BOLT A325T	095235	
C	04	097282	5/8X2-1/4 BOLT A325T	095233	
D	08	097282	5/8X2-1/4 BOLT A325T	095233	
F	14	097282	5/8X2-1/4 BOLT A325T	095233	C321

FLANGE BRACE SCHEDULE					
◇	PART NO. FRONT/LEFT	PART NO. REAR/RIGHT	DIM. "γ"	DETAIL	FIELD WORK ▲
206	545102		1'-10 1/2"	C346	
207	545102		1'-10 1/2"	C347	
208	545102	545102	1'-10 1/2"	C344	
209	545102		1'-10 1/2"	C346	
210	545102		1'-10 1/2"	C347	
211	545103		2'-4 1/2"	C346	
212	545103		2'-4 1/2"	C346	
214	545104		2'-10 1/2"	C346	

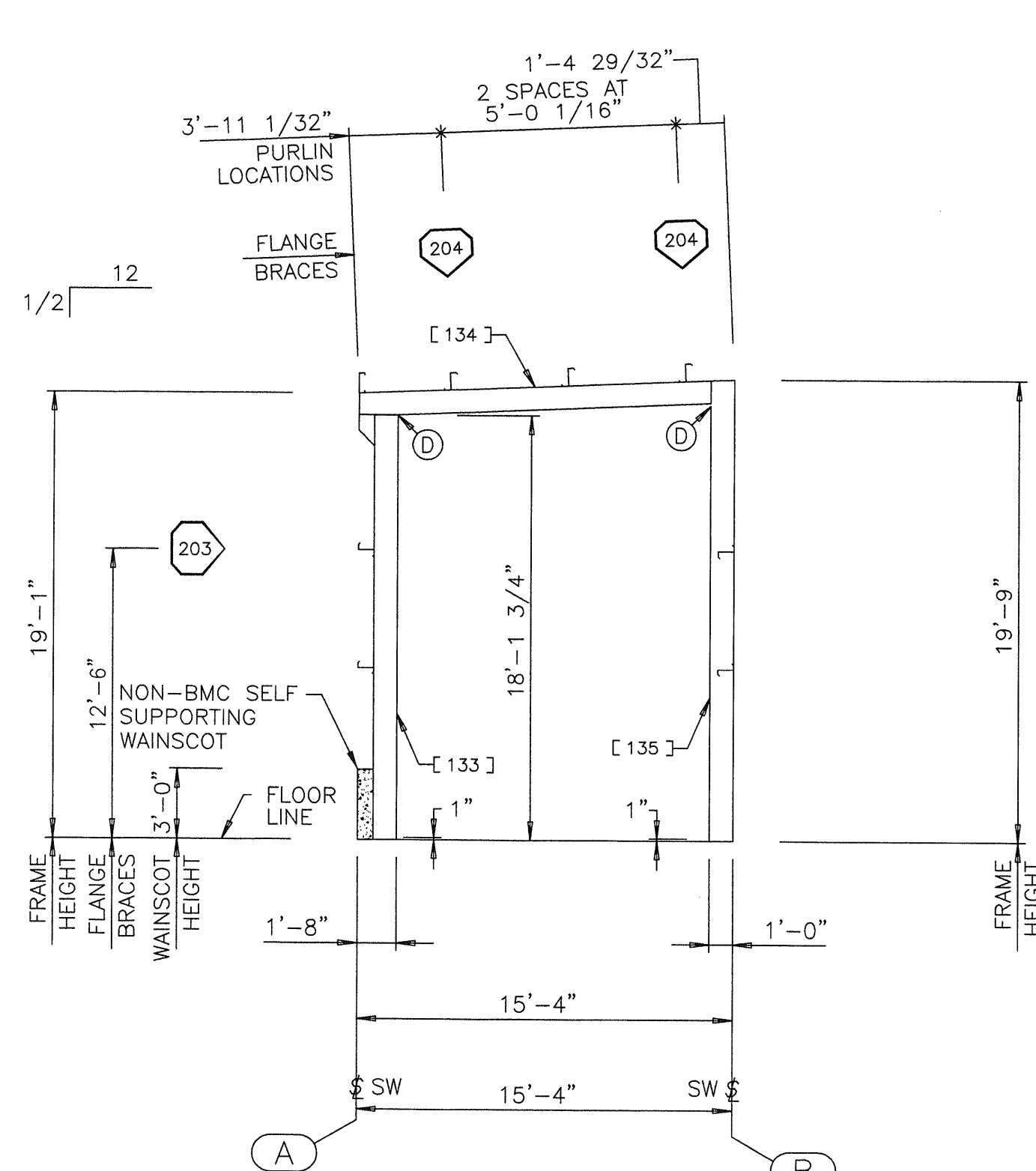
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** EAVE STRUT LOCATED AT GRID 13 ONLY



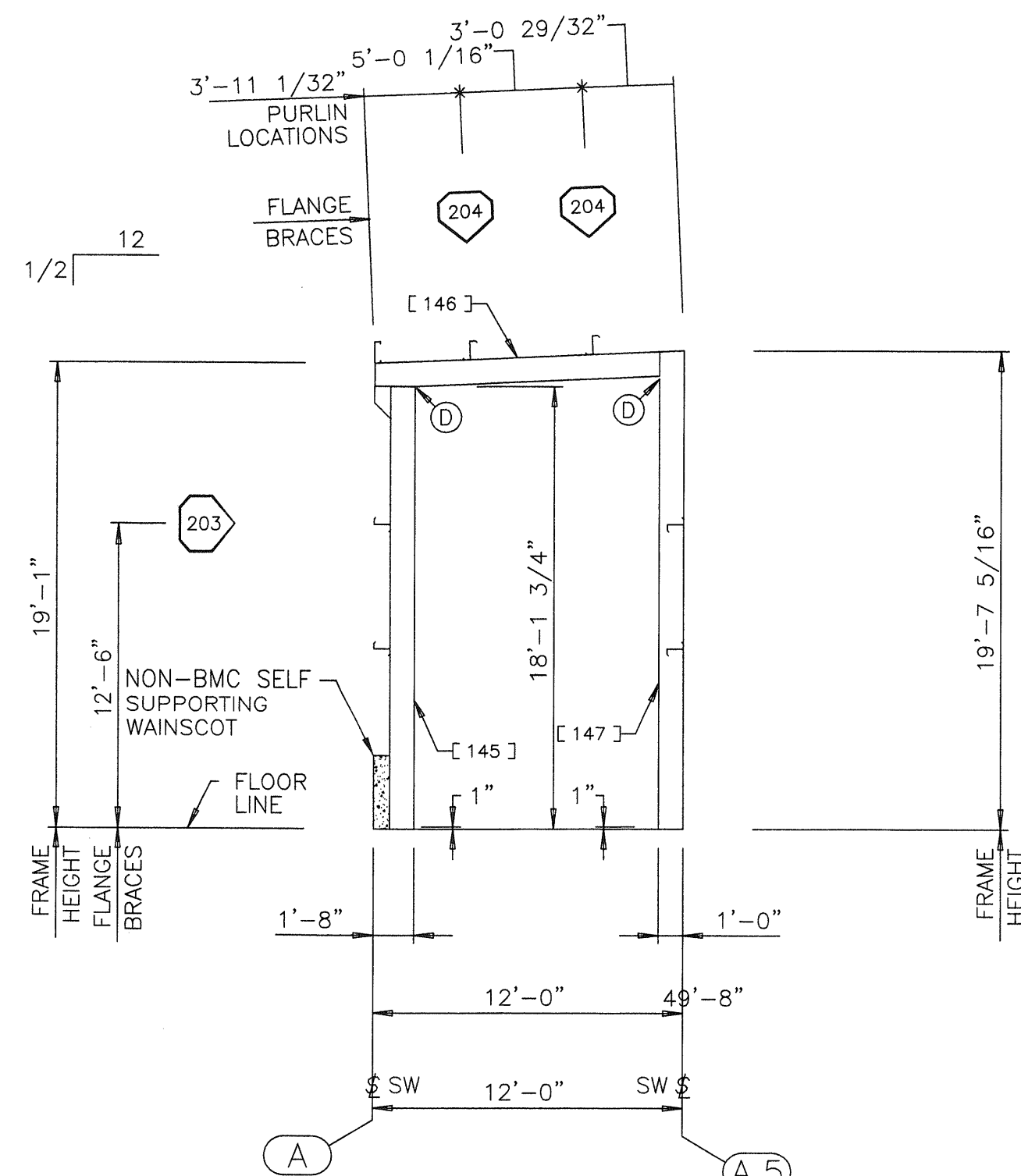
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DATE: 2/17/06	General Revision	DATE:		BUTLER MANUFACTURING COMPANY		FROND ORDER ENGINEERING SYSTEM		DIEDE CONSTRUCTION, INC WOODBRIDGE, CA		CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA		110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2		CROSS SECTION ERECTION DRAWING		CHK:		DATE: 01/25/06	
DRAWN BY: adnewell		DRAWN BY:		GENERAL OFFICES-KANSAS CITY, MISSOURI												DRAWING NUMBER:		REV.	
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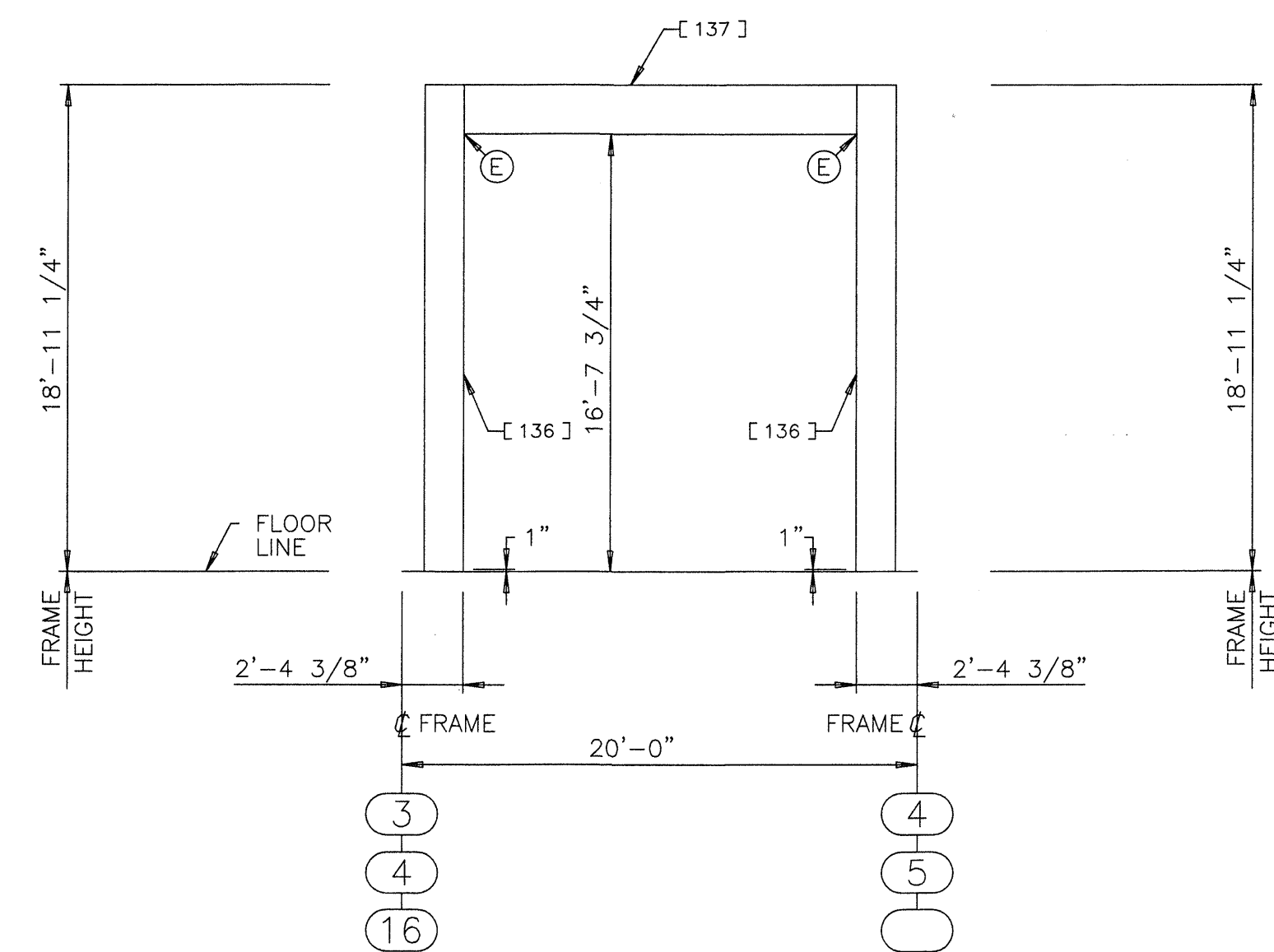
FRAME ELEVATION AT GRIDS 14, 15, AND 16



FRAME ELEVATION AT GRID 13.5



FRAME ELEVATION AT GRID 7.5



PORTAL FRAME ELEVATION AT GRIDS A, B, K, AND L

PART SCHEDULE

[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
126	EXTERIOR COLUMN	V68140	17'-5 3/4"	
127	ROOF BEAM	V68142	24'-11 13/16"	
128	ROOF BEAM	V68144	15'-0 15/32"	
129	INTERIOR COLUMN	V68146	19'-8 3/16"	
130	ROOF BEAM	V68148	19'-11 19/32"	
131	ROOF BEAM	V68150	20'-4 23/32"	
132	EXTERIOR COLUMN	V68152	17'-5 9/16"	
133	EXTERIOR COLUMN	V68154	18'-0 3/4"	
134	ROOF BEAM	V68156	14'-3 29/32"	
135	EXTERIOR COLUMN	V68158	19'-7 11/16"	
136	EXTERIOR COLUMN	V68160	18'-10 1/4"	
137	ROOF BEAM	V68162	15'-2 1/8"	
145	EXTERIOR COLUMN	V68164	18'-0 3/4"	
146	ROOF BEAM	V68166	10'-11 7/8"	
147	EXTERIOR COLUMN	V68168	19'-6"	
150	15'-4" CANOPY BEAM	XXXXXX		
151	15" CANOPY BEAM	XXXXXX		

BOLTED CONNECTION SCHEDULE

○	QUANTITY	BOLT NO.	DESCRIPTION	NUT NO.	DETAIL
A	08	097284	3/4X2-1/2 BOLT A325T	095235	
C	04	097282	5/8X2-1/4 BOLT A325T	095233	
D	08	097282	5/8X2-1/4 BOLT A325T	095233	
E	08	097290	1-1/4X4 HS BOLT A325	095240	
F	14	097282	5/8X2-1/4 BOLT A325T	095233	C321

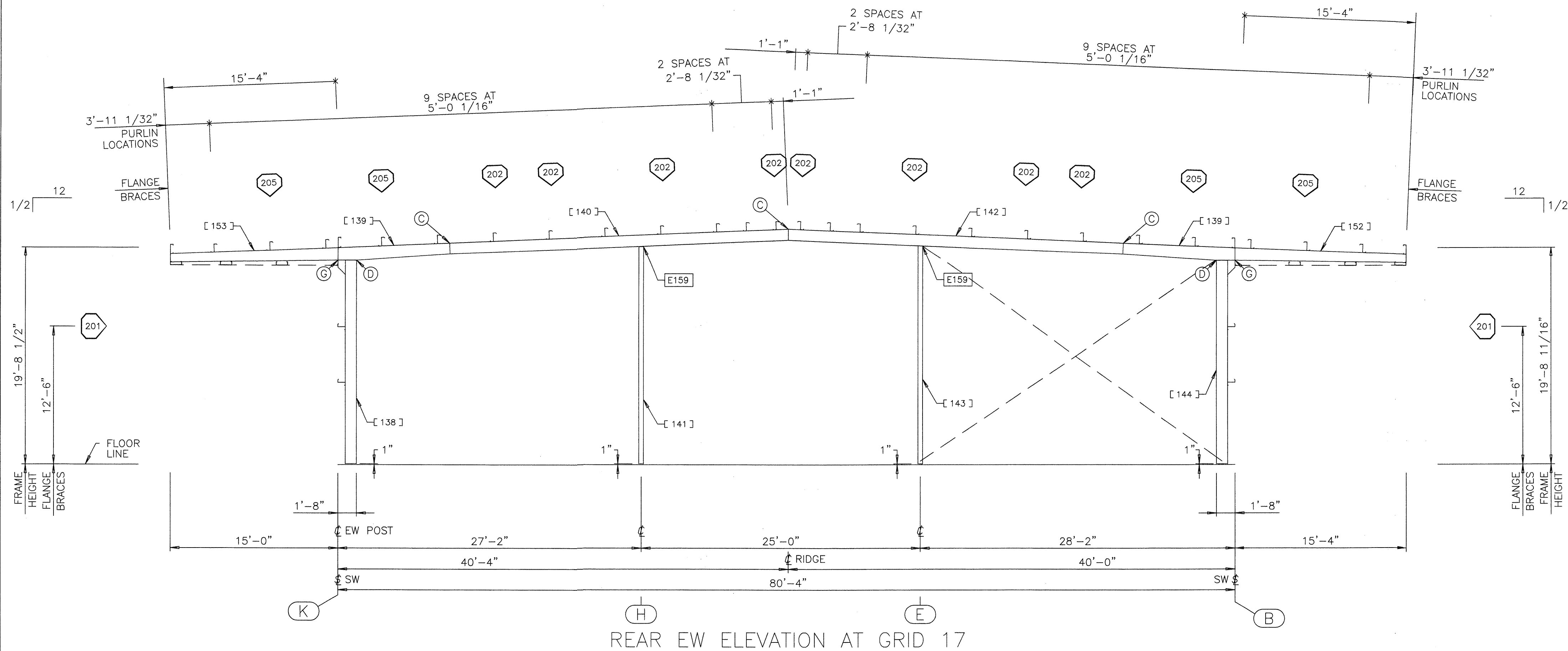
FLANGE BRACE SCHEDULE

◇	PART NO. FRONT/LEFT	PART NO. REAR/RIGHT	DIM. "Y"	DETAIL	FIELD WORK ▲
203	545100		10 1/2"	C347	
204	545100		10 1/2"	C347	
206	545102		1'-10 1/2"	C346	
209	545102		1'-10 1/2"	C346	
210	545102		1'-10 1/2"	C347	
212	545103		2'-4 1/2"	C346	



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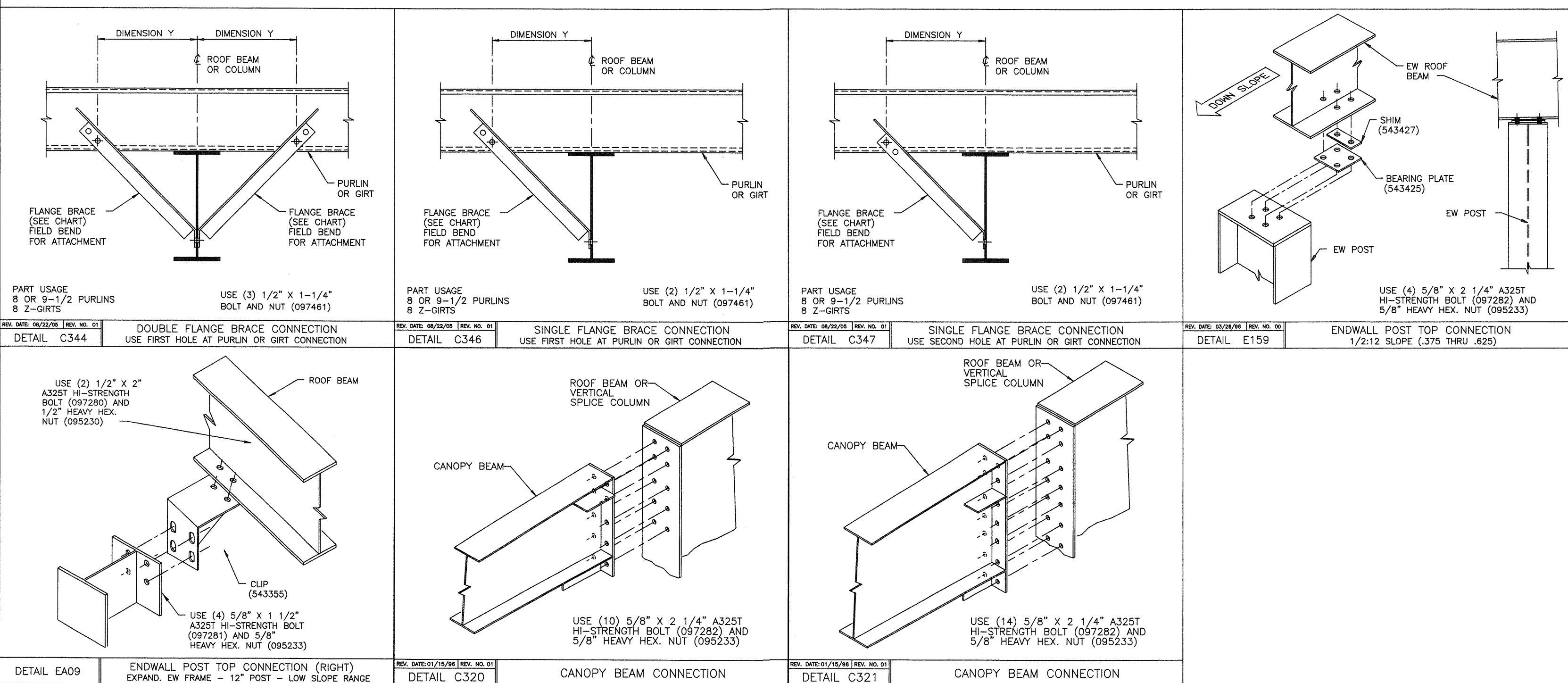
REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE SPROD ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	PROJECT: CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	DRAWING TITLE: CROSS SECTION ERECTION DRAWING	DRW: ADNEWELL	ENG:
DATE: 2/17/06	General Revision	DATE:								CHK:	DATE: 01/25/06
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:	REV.
CHECKED BY:		CHECKED BY:								D06-136734-02D	01



PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
138	EW CORNER POST	V68170	18'-4 11/16"	
139	EW ROOF BEAM	V68172	9'-11 31/32"	
140	EW ROOF BEAM	V68174	30'-4 5/16"	
141	EW INTERM POST	V68176	19'-8 13/16"	
142	EW ROOF BEAM	V68178	30'-0 5/16"	
143	EW INTERM POST	V68180	19'-9 1/2"	
144	EW CORNER POST	V68182	18'-4 7/8"	
152	15'-4" CANOPY BEAM	XXXXXX		
153	15" CANOPY BEAM	XXXXXX		

BOLTED CONNECTION SCHEDULE					
○	QUANTITY	BOLT NO.	DESCRIPTION	NUT NO.	DETAIL
C	04	097282	5/8X2-1/4 BOLT A325T	095233	
D	08	097282	5/8X2-1/4 BOLT A325T	095233	
G	10	097282	5/8X2-1/4 BOLT A325T	095233	C320

FLANGE BRACE SCHEDULE					
○	PART NO. FRONT/LEFT	PART NO. REAR/RIGHT	DIM. "Y"	DETAIL	FIELD WORK ▲
201	545100		10 1/2"	C347	
202	545100		10 1/2"	C347	
205	545101		1'-4 1/2"	C346	

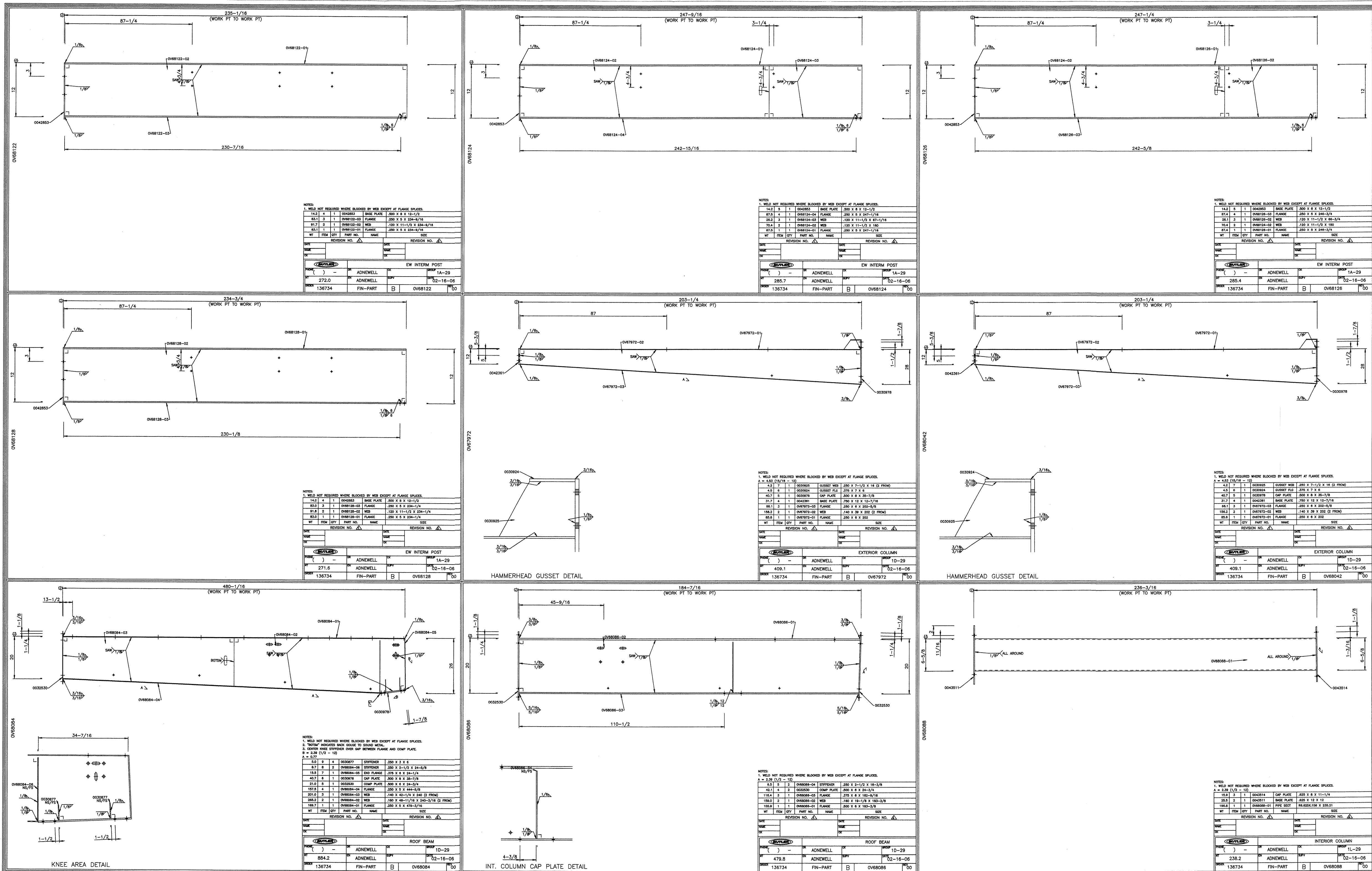


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REVISION NO. 1		REVISION NO. 2		BUTLER		PRODUCT OF THE		BUILDER:		PROJECT:		BUILDING ORDER DESCRIPTION:		DRAWING TITLE:		DRW: ADNEWELL		ENG:	
DATE:	General Revision	DATE:		BUTLER MANUFACTURING COMPANY		PRONO ORDER ENGINEERING SYSTEM		DIEDE CONSTRUCTION, INC		CITY OF SAN JOSE		110X309X20 MRF		CROSS SECTION		CHK:		DATE: 01/25/06	
DRAWN BY:	adnewell	DRAWN BY:		GENERAL OFFICES-KANSAS CITY, MISSOURI				WOODBRIDGE, CA		CENTRAL SERVICES		20# LL + 6#CLL		ERECTION DRAWING		DRAWING NUMBER:		REV.	
CHECKED BY:		CHECKED BY:								SAN JOSE, CA		70 MPH EXP B CBC 01				06-136734-02E		01	



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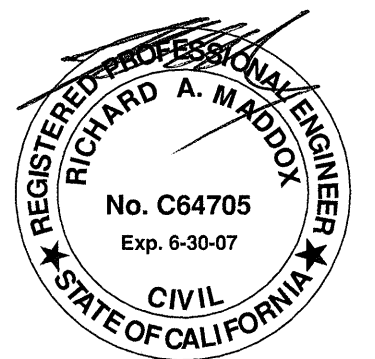
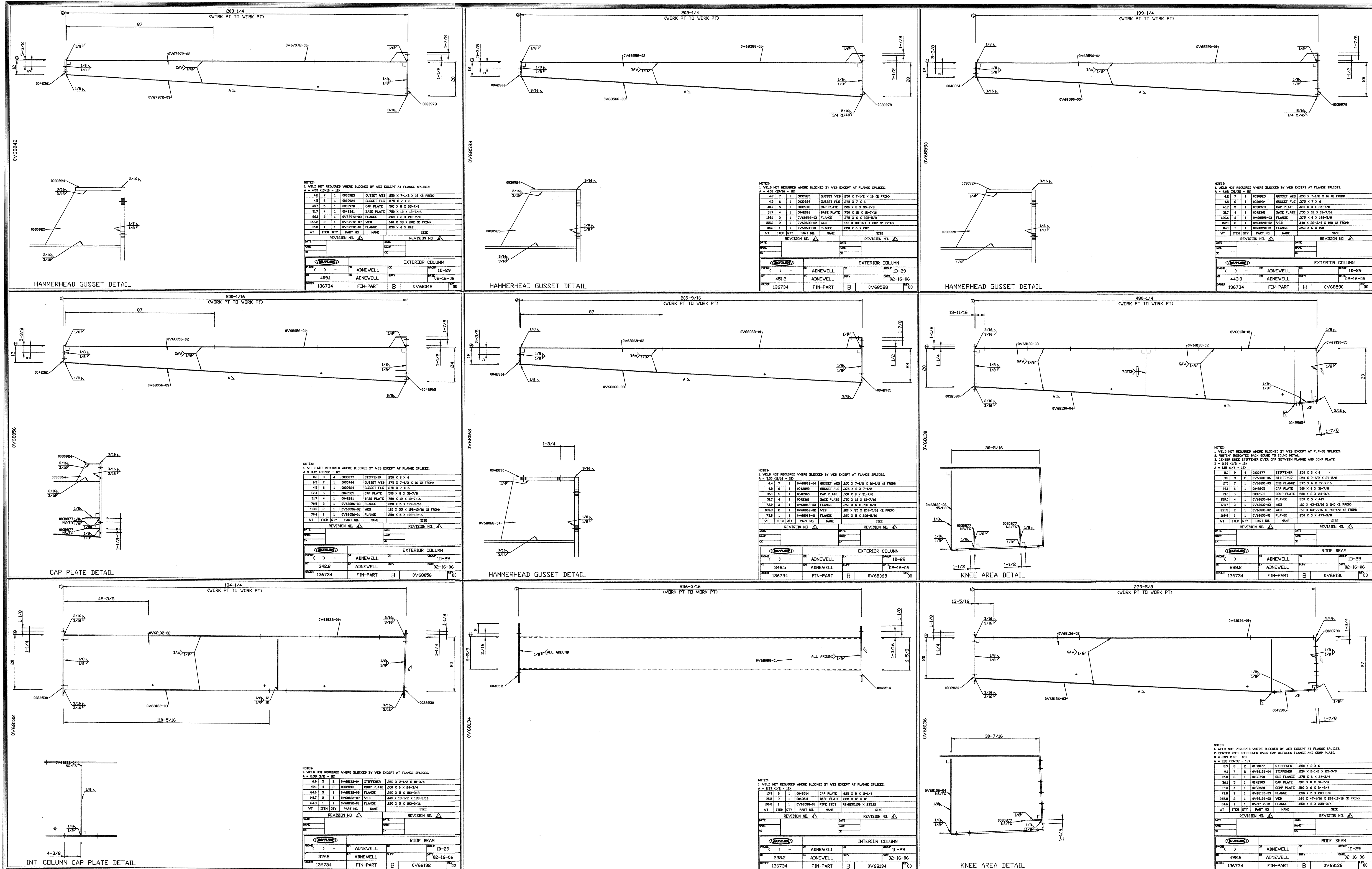
REVISION NO. 1			REVISION NO. 2			 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE FRONZO® ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:	
DATE: 2/17/06	General Revision		DATE:					DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	PART DRAWINGS SHEET	CHK:	DATE: 01/25/06	
DRAWN BY: adnewell			DRAWN BY:									DRAWING NUMBER:		REV.
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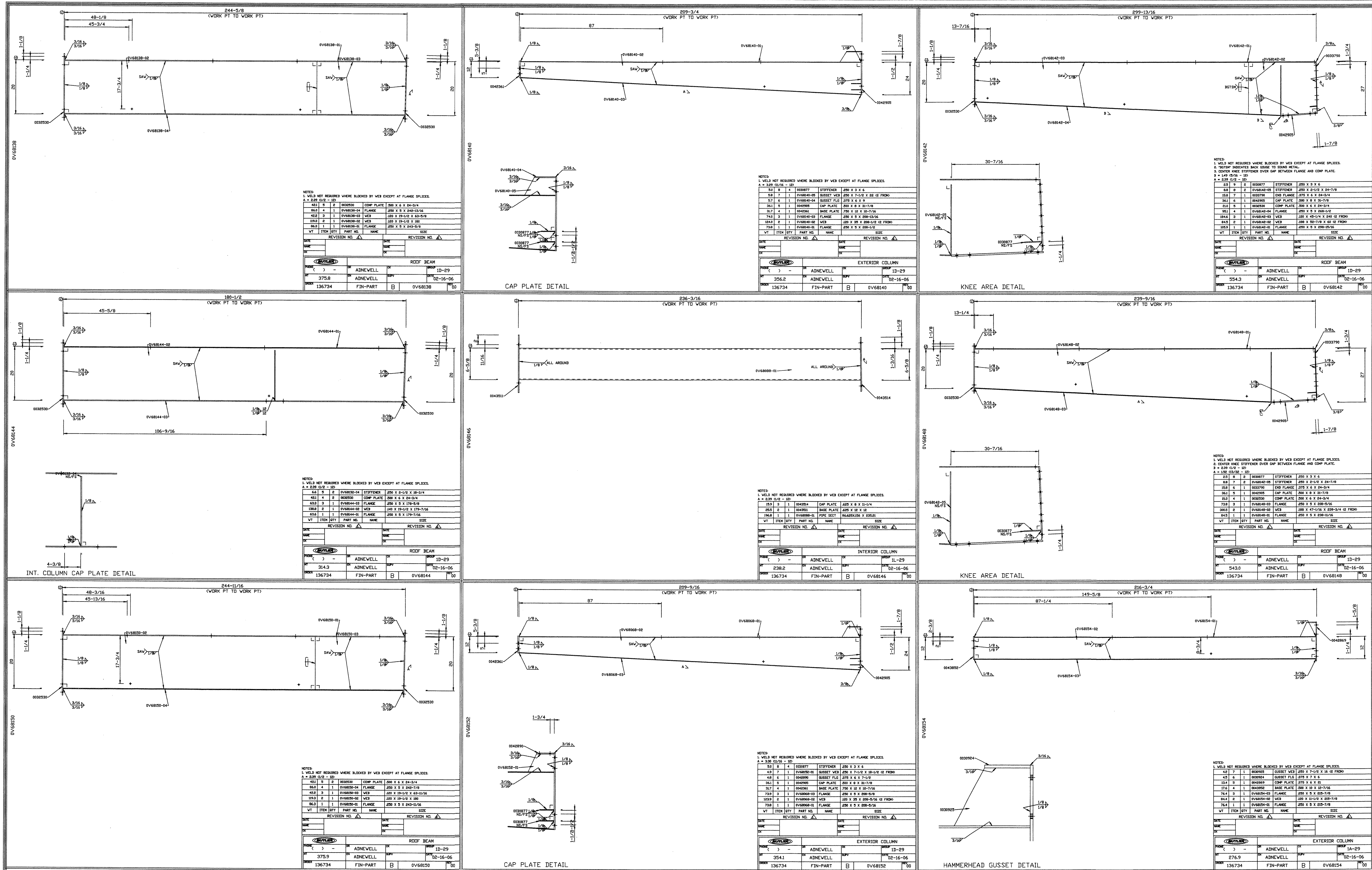
REVISION NO. 1		REVISION NO. 2		BUTLER BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE FROND ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	PROJECT: CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Nq=1 Nv=1.2	DRAWING TITLE: PART DRAWINGS SHEET	DRAW: ADNEWELL		ENG: 01/25/06	
DATE: 2/17/06	General Revision	DATE:								CHK:		DATE: 01/25/06	
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:		REV:	
CHECKED BY:		CHECKED BY:								D06-136734-02H		01	

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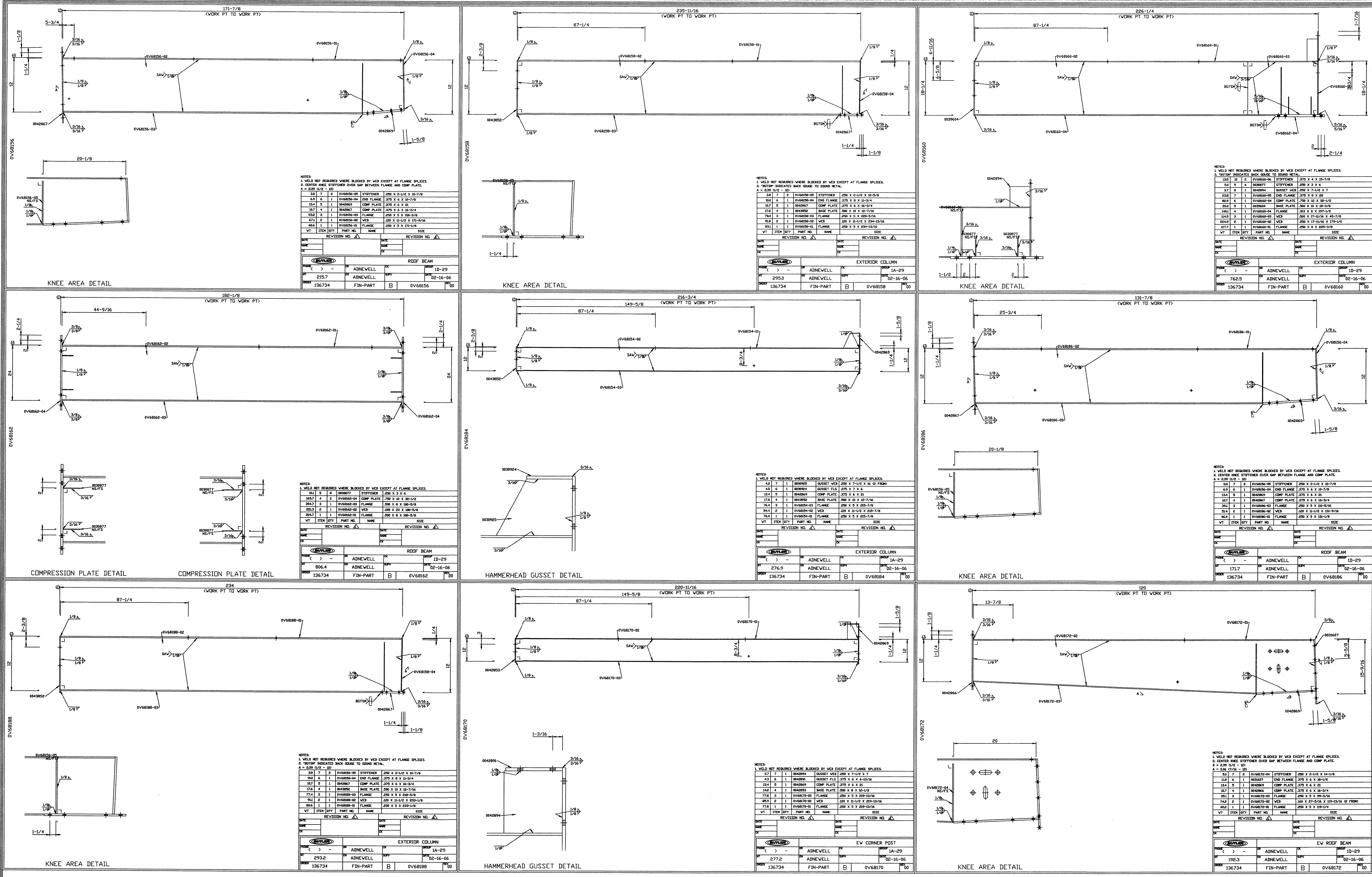


REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE  ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:	
DATE: 2/17/06	General Revision	DATE:				DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	PART DRAWINGS SHEET	CHK:	DATE: 01/25/06	
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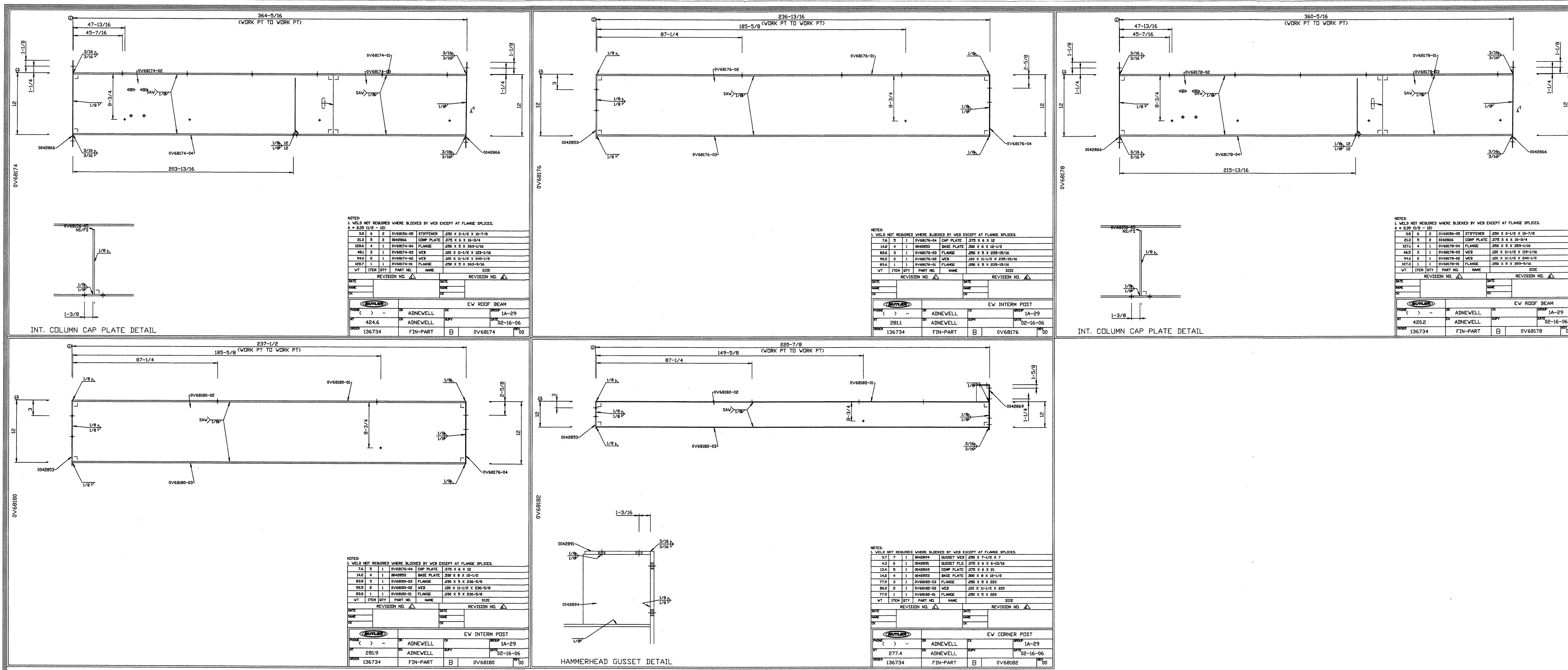
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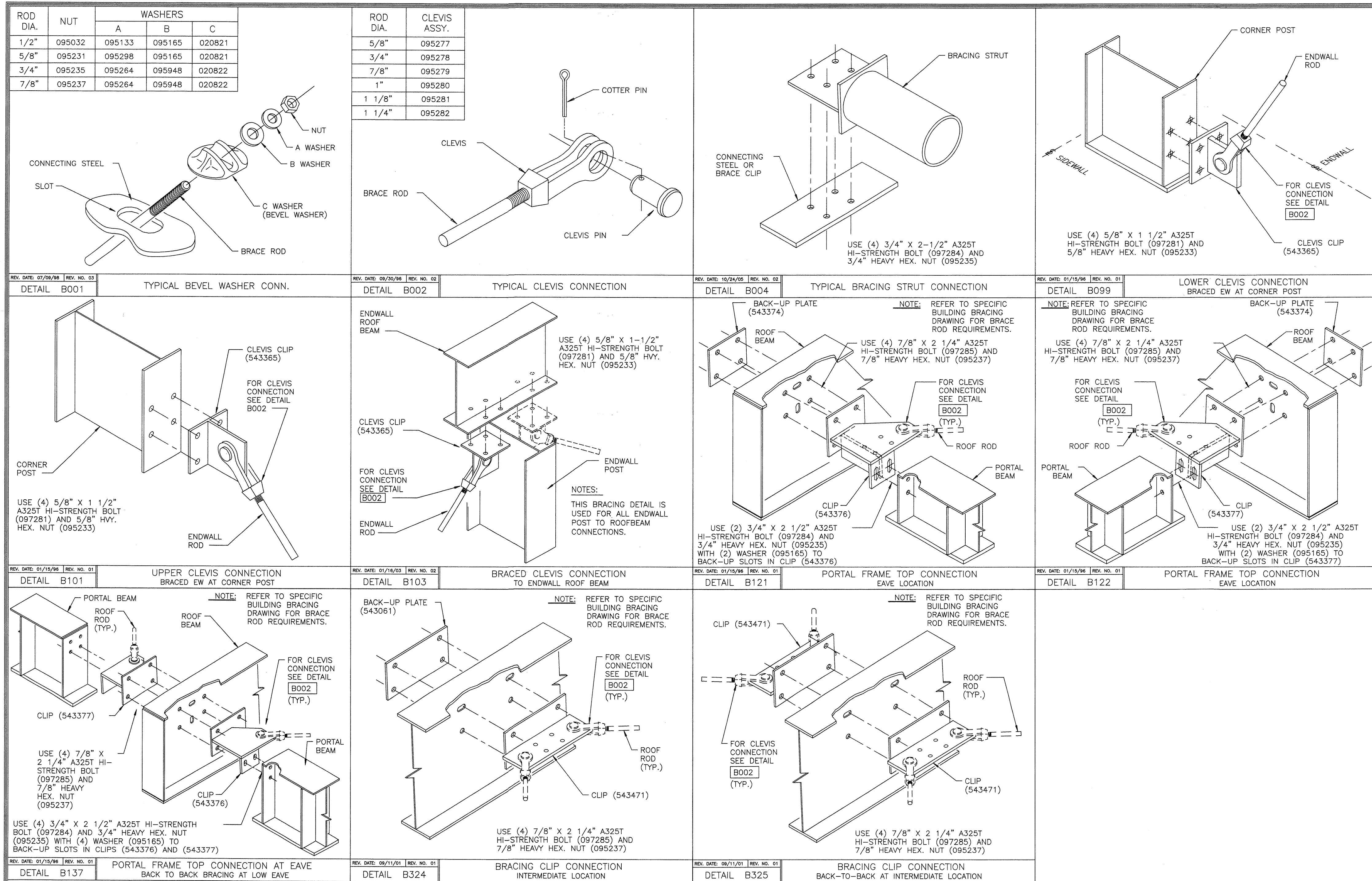


REVISION NO. 1		REVISION NO. 2		BUTLER BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE PROVID ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	PROJECT: CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 N _a =1 N _v =1.2	DRAWING TITLE: PART DRAWINGS SHEET	DRW: ADNEWELL		ENG:	
DATE: 2/17/06	General Revision	DATE:								CHK:		DATE: 01/25/06	
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REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:
DATE: 6/17/06	General Revision	DATE:	DIEDE CONSTRUCTION, INC WOODBRIDGE, CA			CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 N _a =1 N _v =1.2	PART DRAWINGS SHEET	CHK:	DATE: 01/25/06	
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REVISION NO. 1		REVISION NO. 2		BUTLER BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE PRONO ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBIDGE, CA	PROJECT: CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	DRAWING TITLE: WIND BRACING DETAIL SHEET	DRW: ADNEWELL		ENG:	
DATE: 2/17/06	General Revision	DATE:								CHK:		DATE: 01/27/06	
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:		REV.	
CHECKED BY:		CHECKED BY:								D 06-136734-03A		01	

PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
401	PUR P 9.5X.060 2CP	530899 227-4	18'-11 1/2"	
402	PUR P 9.5X.060 2CP	530899 251-4	20'-11 1/2"	
403	PUR P 9.5X.060 2CP	530899 275-4	22'-11 1/2"	
404	PUR P 9.5X.060 2CP	530899 287-4	23'-11 1/2"	
405	PUR P 9.5X.067 2CP	530900 317-4	26'-5 1/2"	
406	PUR P 9.5X.067 2CP	530900 335-4	27'-11 1/2"	
407	PUR P 9.5X.067 2CP	530900 347-4	28'-11 1/2"	

STANDARD NOTES:

RS0002 REFER TO DRAWING B-1080945 FOR PURLIN BRACE PART NUMBERS AND TYPICAL INSTALLATION FOR SLOPE LESS THAN OR EQUAL TO 0.75:12.

RS0003 ONE RIDGE BRACE IS REQUIRED IN BAYS WITH NO INTERMEDIATE PURLIN BRACING, TO BE INSTALLED IN ONE OF THE TWO CENTER CLUSTERS. BRACE ASSEMBLY NUMBERS ARE AS FOLLOWS:

SLOPE	PART	ASSEMBLY
0 < 0.75	0544141	0544140
1.25 < 1.75	0544183	0544195
2.25 < 2.75	0544184	0544185
3.25 < 3.75	0544186	0544139

PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
408	PUR P 9.5X.067 2CP	530900 359-4	29'-11 1/2"	
409	LS ES P 11X.068	540517 191-4	15'-11 1/2"	
410	LS ES P 11X.068	540517 215-4	17'-11 1/2"	
411	LS ES P 11X.068	540517 239-4	19'-11 1/2"	
412	LS ES P 11X.082	540518 251-4	20'-11 1/2"	
413	LS ES P 11X.068	540517 281-4	23'-5 1/2"	
414	LS ES P 11X.068	540517 299-4	24'-11 1/2"	
415	LS ES P 11X.068	540517 311-4	25'-11 1/2"	
416	LS ES P 11X.068	540517 323-4	26'-11 1/2"	
417	LS ES P 11X.068	540517 323-4	26'-11 1/2"	

RS0008 REFER TO DETAIL F262 FOR RIDGE PURLIN BRACE CONNECTION.

RS0028 1/2" DIA. BOLTS AND NUTS ARE FURNISHED AS AN ASSEMBLY. THE DRAWINGS CALL OUT THESE BOLTS AND NUTS BY THEIR COMPONENT NO.'S. ASSEMBLY CONTAINS

0097461	1/2X1-1/4 BOLT (0095085) AND NUT (0095032)
0097462	1/2X1-1/4 THIN HD BOLT (0096636) AND NUT (0095032)
0097463	1/2X1-1/2 BOLT (0095195) AND NUT (0095032)
0097464	1/2X1-3/4 GALV BOLT (0095331) AND (0095032)
0097465	1/2X2 A325T BOLT (0097280) AND (0095230)

PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
424	LS ES P 9.5X.067 2CP	530XXX		
425	LS ES P 9.5X.067 2CP	530XXX		
426	LS ES P 11X.068	540517		
427	LS ES P 11X.068	540517		
428	LS ES P 11X.082	540518		
429	LS ES P 9.5X.067 2CP	530XXX		
430	LS ES P 9.5X.067 2CP	530XXX		
431	LS ES P 9.5X.067 2CP	530XXX		
432	LS ES P 9.5X.067 2CP	530XXX		
433	LS ES P 11X.082	540518		
434	PUR P 9.5X.067 2CP	530900 251-4	20'-11 1/2"	
435	PUR P 9.5X.067 2CP	530900 275-4	22'-11 1/2"	

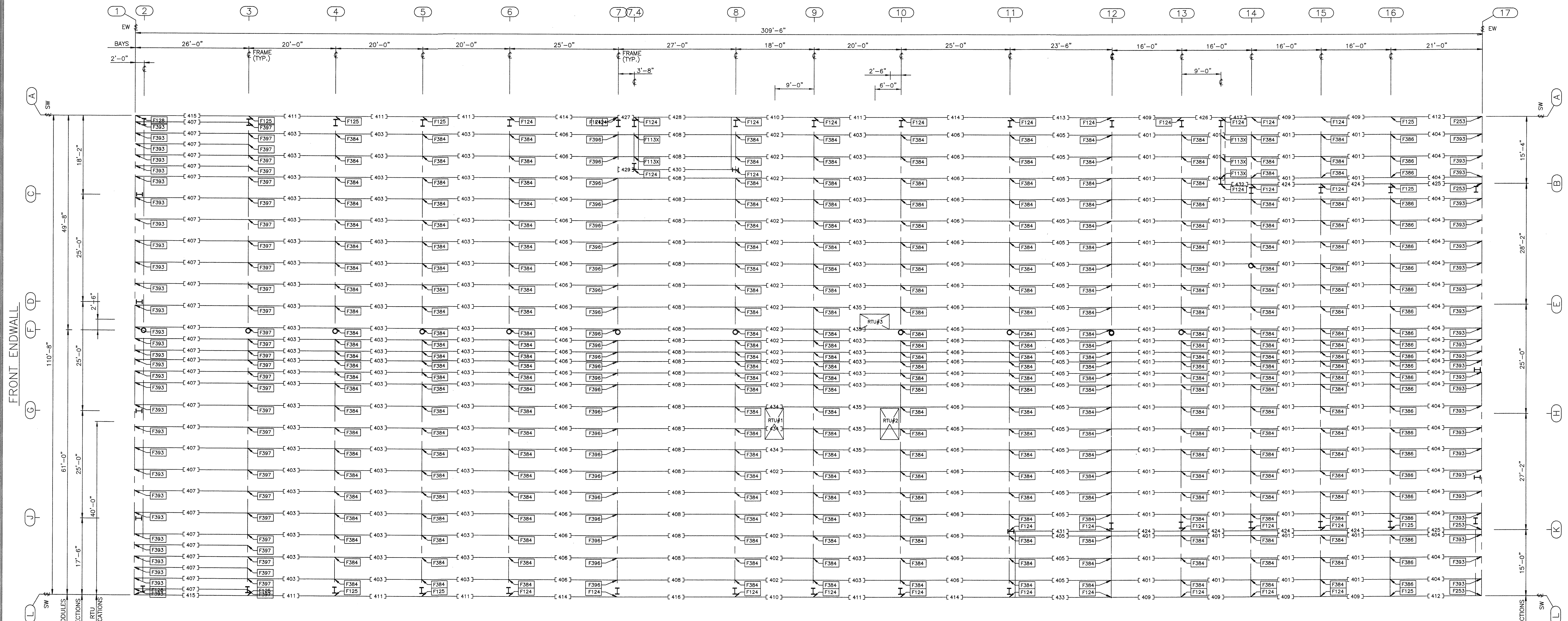
PURLIN BRACE LOCATION SCHEDULE				
BETWEEN GRIDS	LOCATION DETAIL	BRACE SECTION	RIDGE BRACE	
		TOP	BOTTOM	
1 AND 3	F439	(2) B	-0-	(2)0544141
3 AND 4	F439	(2) B	-0-	(2)0544141
4 AND 5	F439	(2) B	-0-	(2)0544141
5 AND 6	F439	(2) B	-0-	(2)0544141
6 AND 7	F439	(2) B	-0-	(2)0544141
7 AND 8	F439	(2) B	-0-	(2)0544141
8 AND 9	F439	(2) B	-0-	(2)0544141
9 AND 10	F439	(2) B	-0-	(2)0544141
10 AND 11	F439	(2) B	-0-	(2)0544141
11 AND 12	F439	(2) B	-0-	(2)0544141
16 AND 17	F439	(2) B	-0-	(2)0544141

RTU #	WEIGHT lbs
1	1250
2	1250
3	750

RTU WEIGHT TO BE PER SCHEDULE AND AS SHOWN ON SHEET MF2.2

RTU'S TO BE FIELD LOCATED PER MECHANICAL DRAWINGS

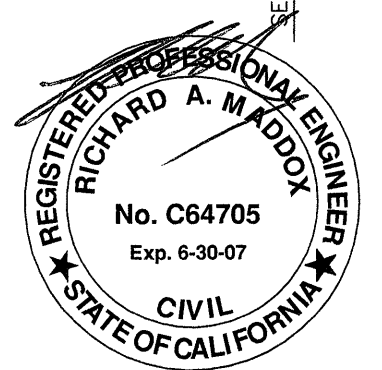
RTU'S TO BE SUPPORTED BY A MINIMUM OF 2 PURLINS



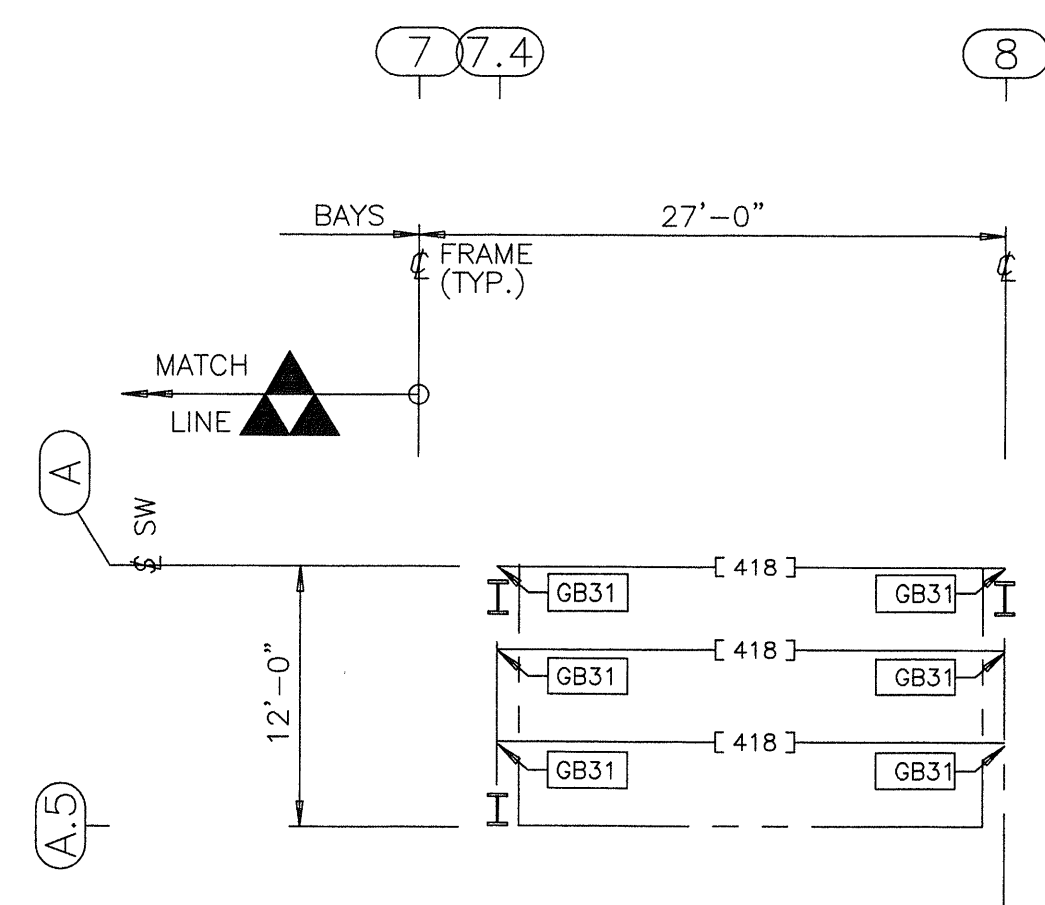
ROOF SECONDARY STRUCTURAL FRAMING PLAN

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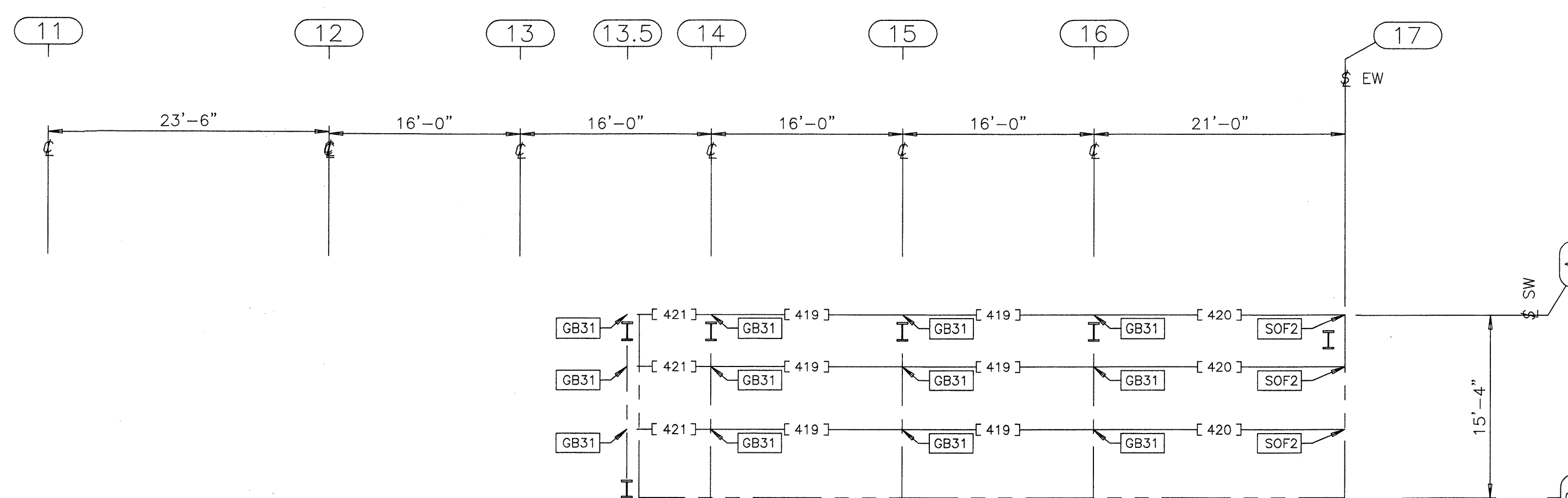
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DATE: 2/17/06	DATE:			DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Nc=1 Nv=1.2	ROOF SECONDARY STRUCTURAL FRAMING PLAN	CHK:	DATE: 01/25/06
DRAWN BY: adnewell	DRAWN BY:							DRAWING NUMBER:	REV.
CHECKED BY:	CHECKED BY:							06-136734-04	01



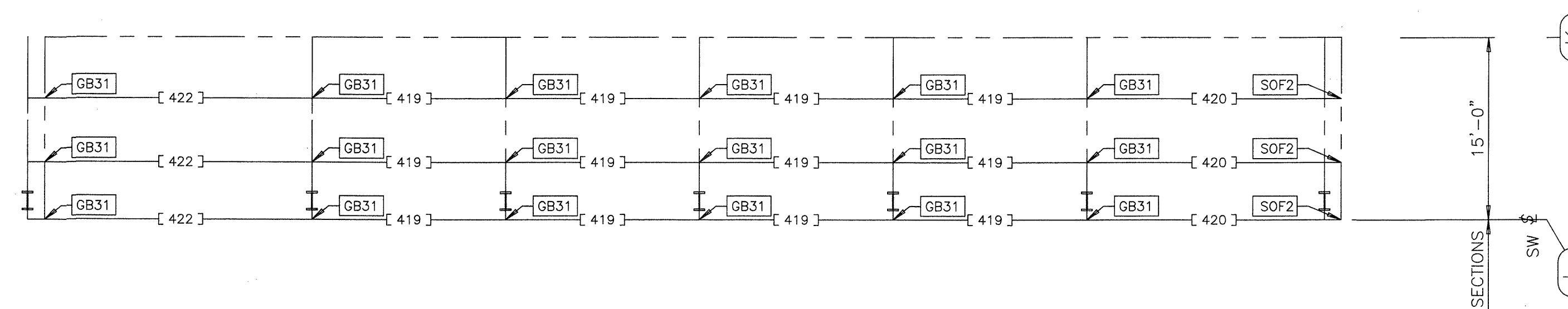
PART SCHEDULE				
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419	C GIRT 9.5C.094	702273		
420	C GIRT 9.5C.094	702273		
421	C GIRT 9.5C.094	702273		
422	C GIRT 9.5C.094	702273		



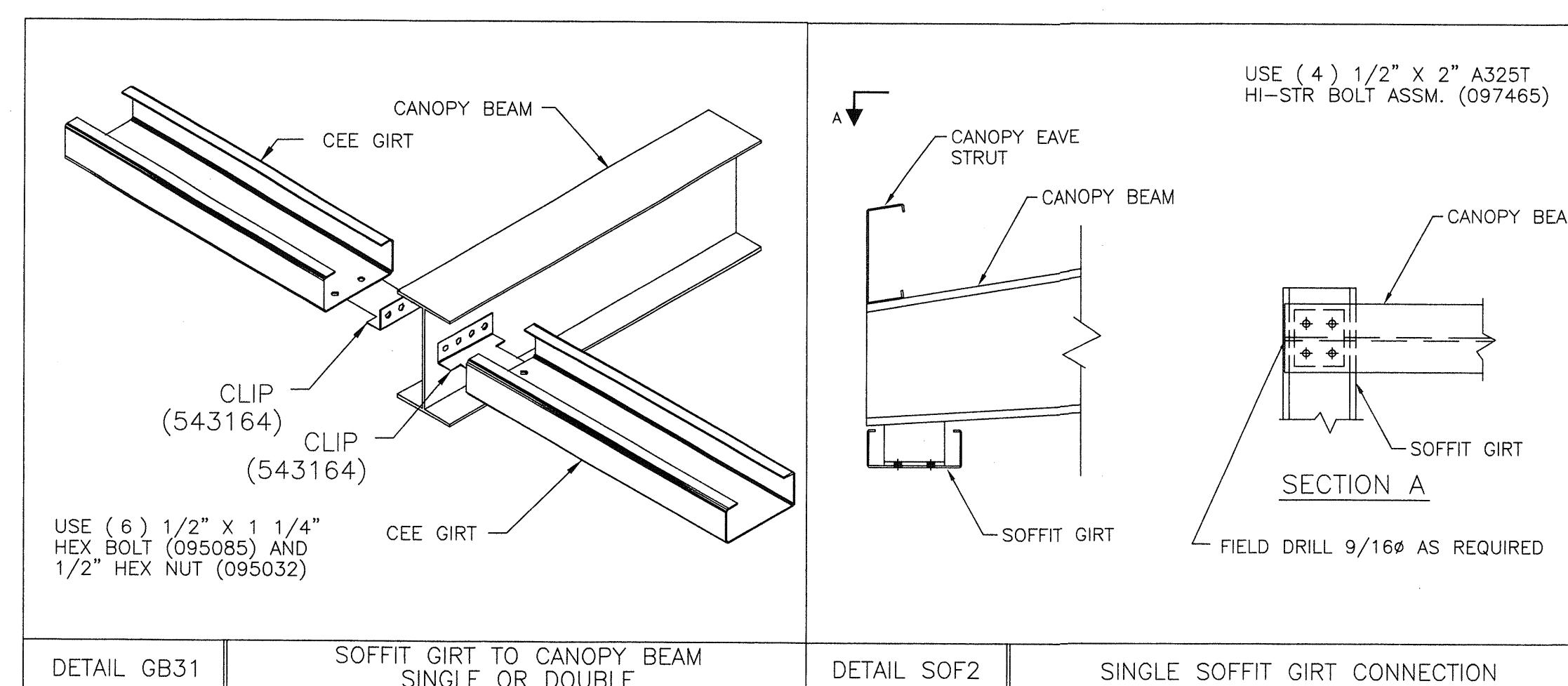
SOFFIT FRAMING PLAN



SOFFIT FRAMING PLAN



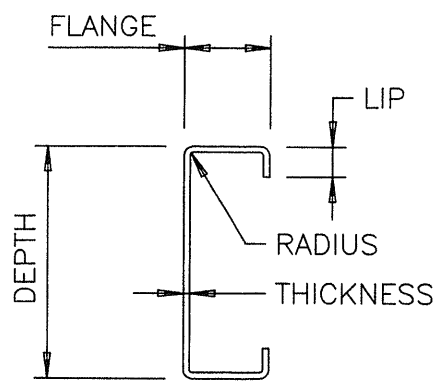
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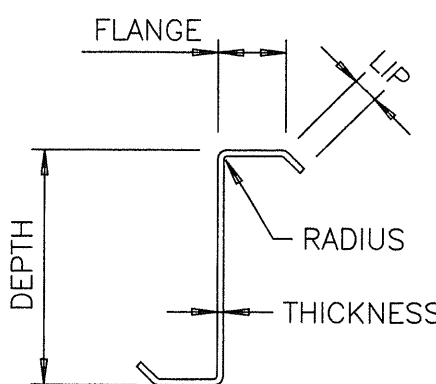
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DATE: 2/17/06	General Revision	DATE:				DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	ROOF SECONDARY STRUCTURAL FRAMING PLAN	CHK:	DATE: 01/25/06
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:	REV.
CHECKED BY:		CHECKED BY:								D 06-136734-04A	01

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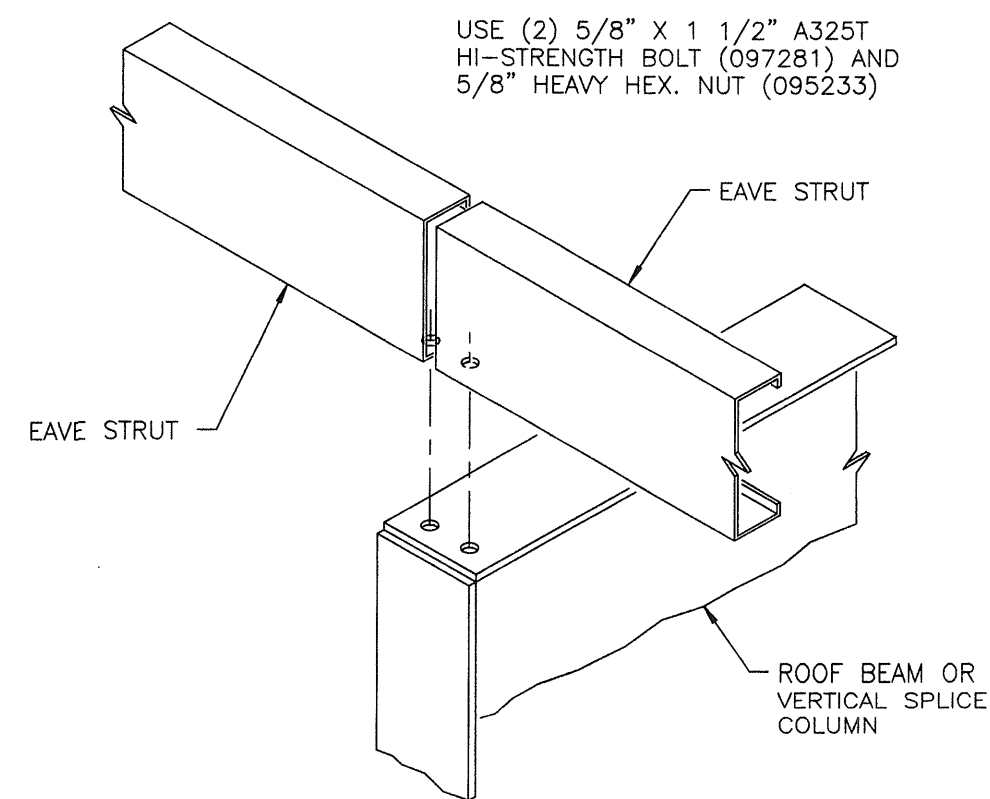
C - SECTION DESIGN INFORMATION

PART	DEPTH	FLANGE	LIP	THICKNESS	RADIUS
LS ES P 11X.068 540517	11"	3 1/2"	1"	.068"	5/16"
LS ES P 11X.082 540518	11"	3 1/2"	1 1/8"	.082"	5/16"
LS ES P 9.5X.087 540520	9 1/2"	3 1/2"	1 1/8"	.087"	5/16"
C-GIRT 9.5X.094 702273	9 1/2"	3 1/2"	1 1/8"	.094"	5/16"

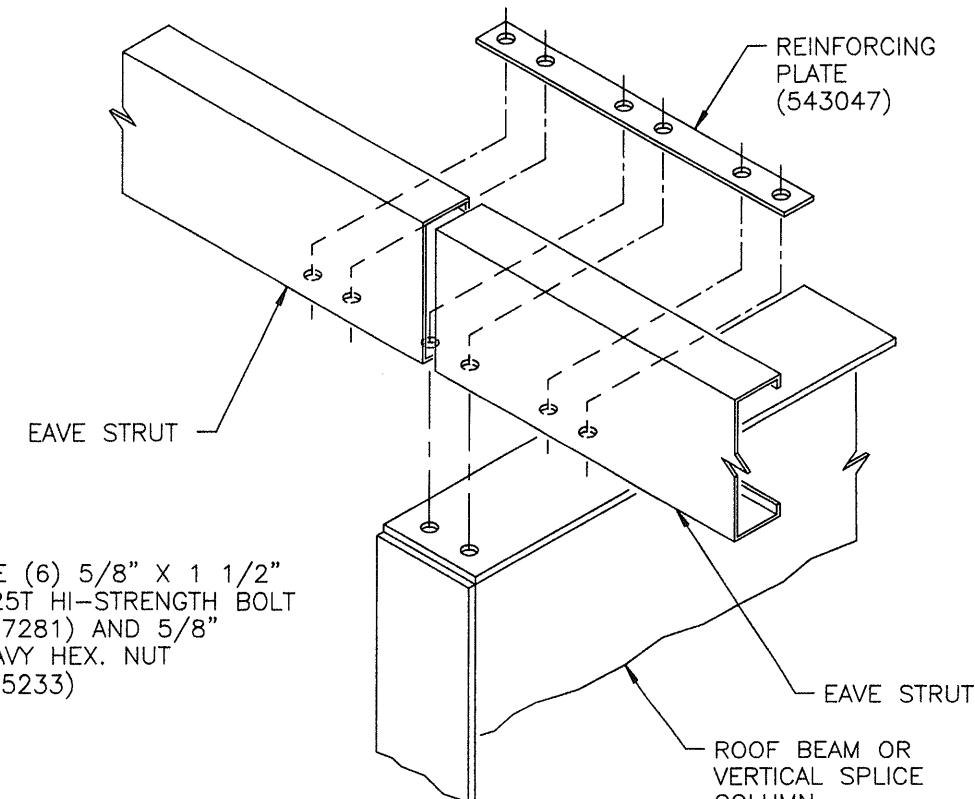


Z - SECTION DESIGN INFORMATION

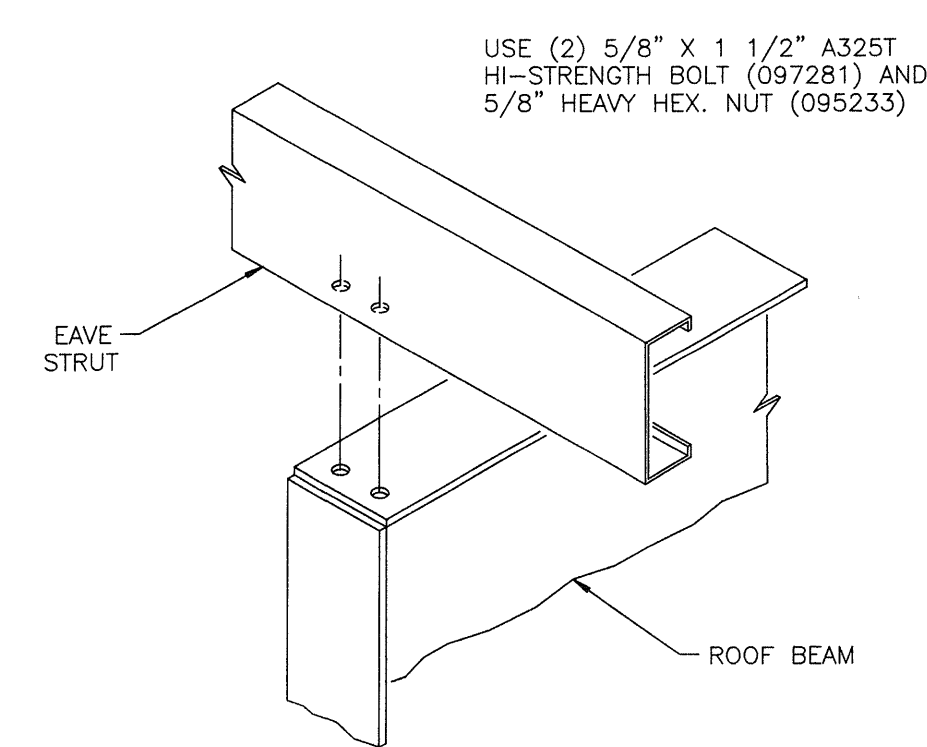
PART	DEPTH	FLANGE	LIP	THICKNESS	RADIUS
PUR P 9.5X.060 2CP 530899	9 1/2"	2 3/4"	1 1/16"	.060"	1/4"
PUR P 9.5X.067 2CP 530900	9 1/2"	2 3/4"	1 1/16"	.067"	1/4"



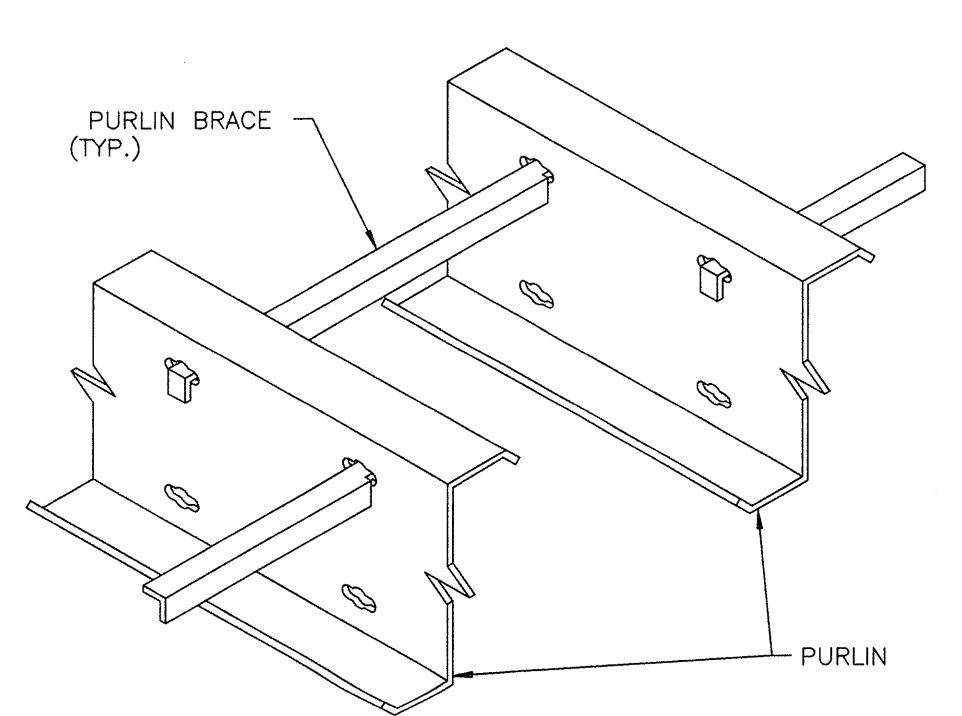
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DETAIL F124 EAVE STRUT CONNECTION TO INTERM. FRAME



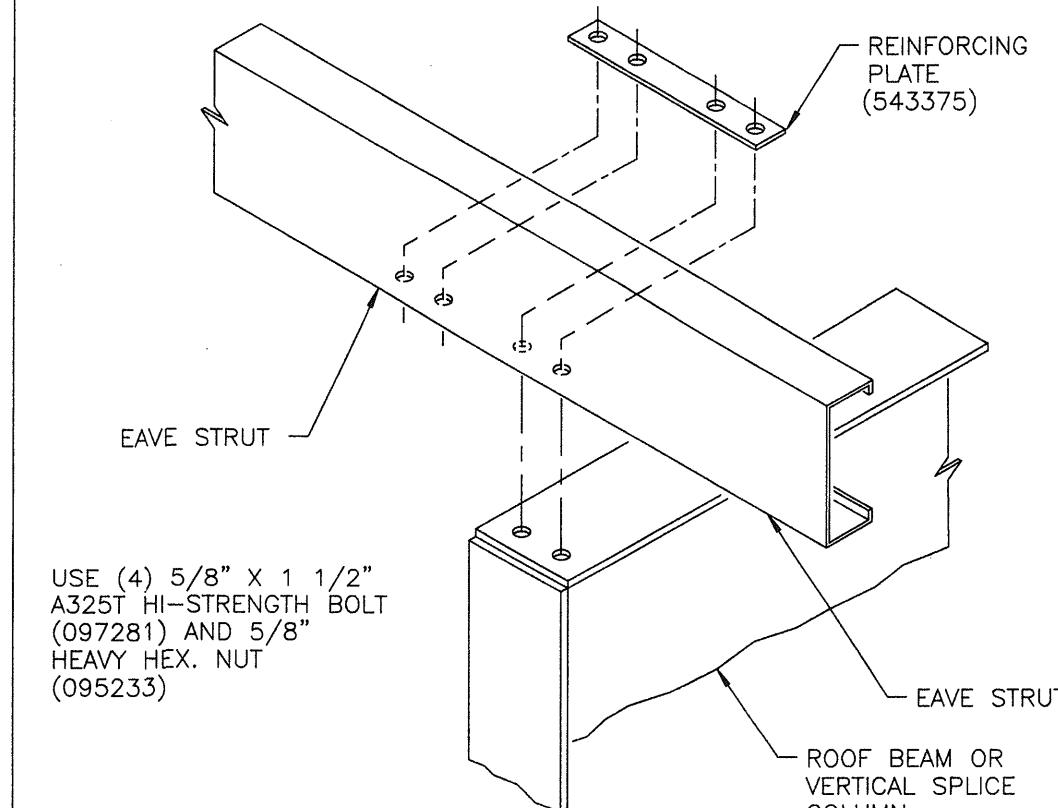
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DETAIL F125 EAVE STRUT CONNECTION TO INTERM. FRAME



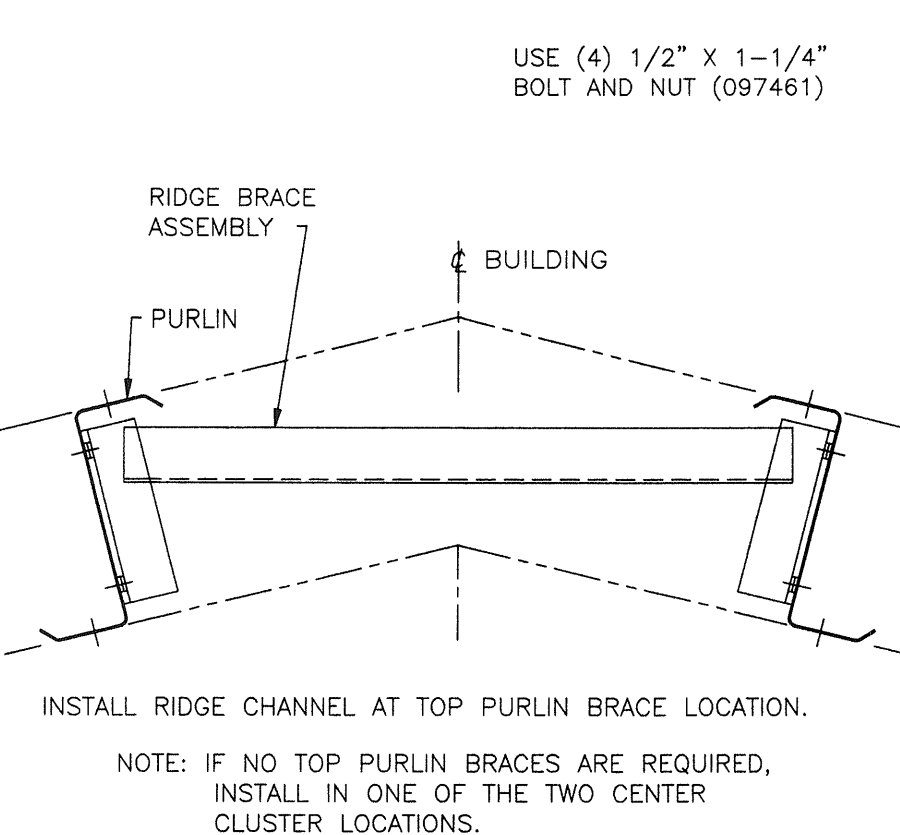
REV. DATE: 01/15/98 REV. NO. 01
DETAIL F128 EAVE STRUT CONN. TO INT. FRAME ENDWALL



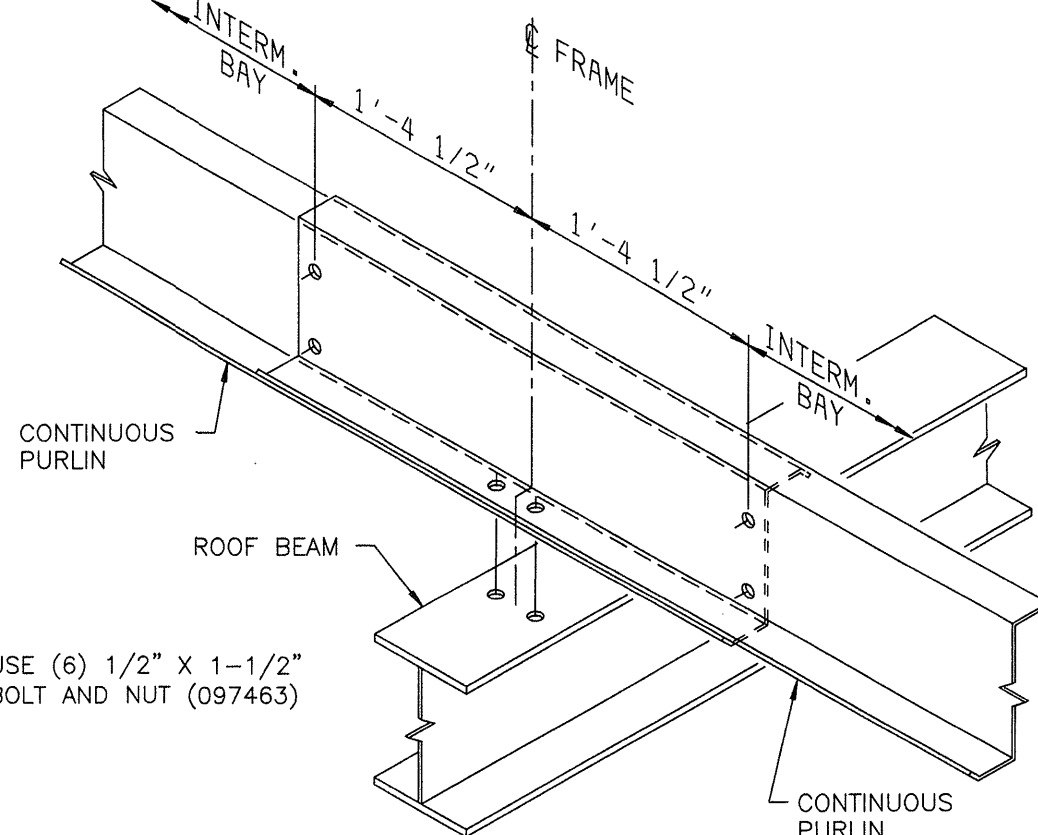
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DETAIL F152 PURLIN BRACE TOP ROW



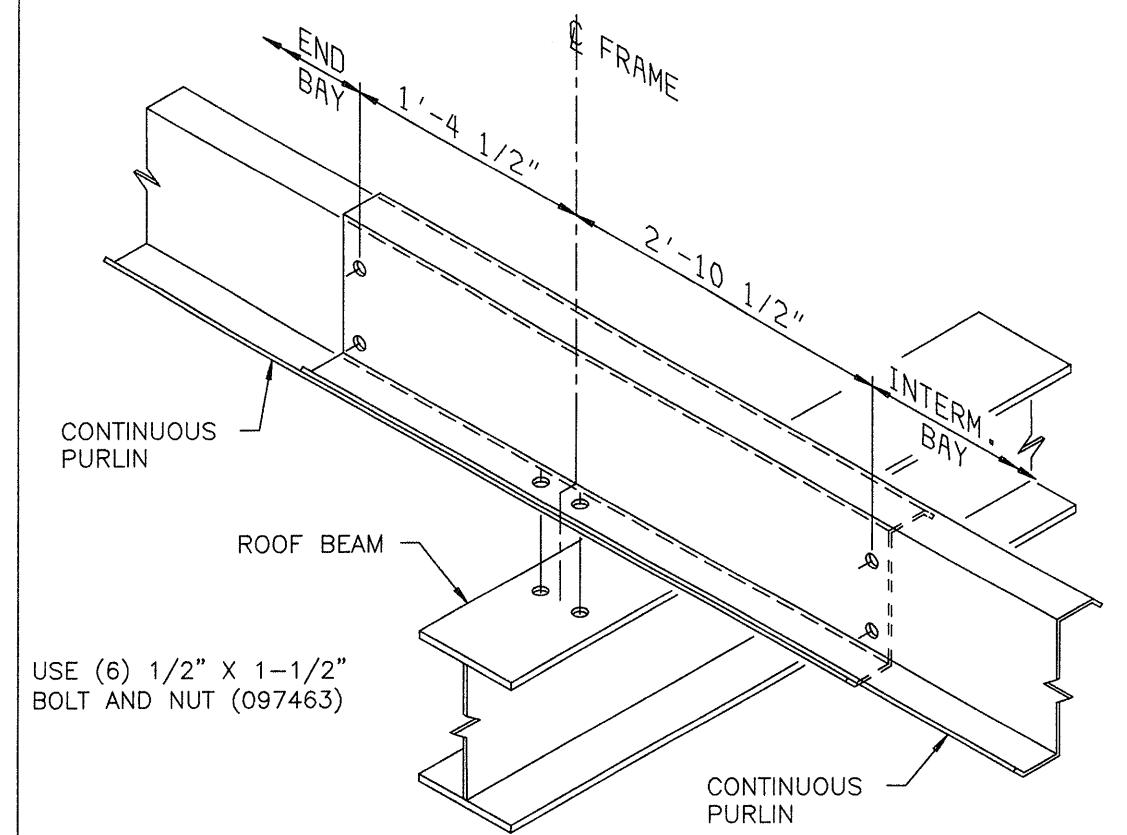
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DETAIL F253 EAVE STRUT CONNECTION TO ENDWALL FRAME



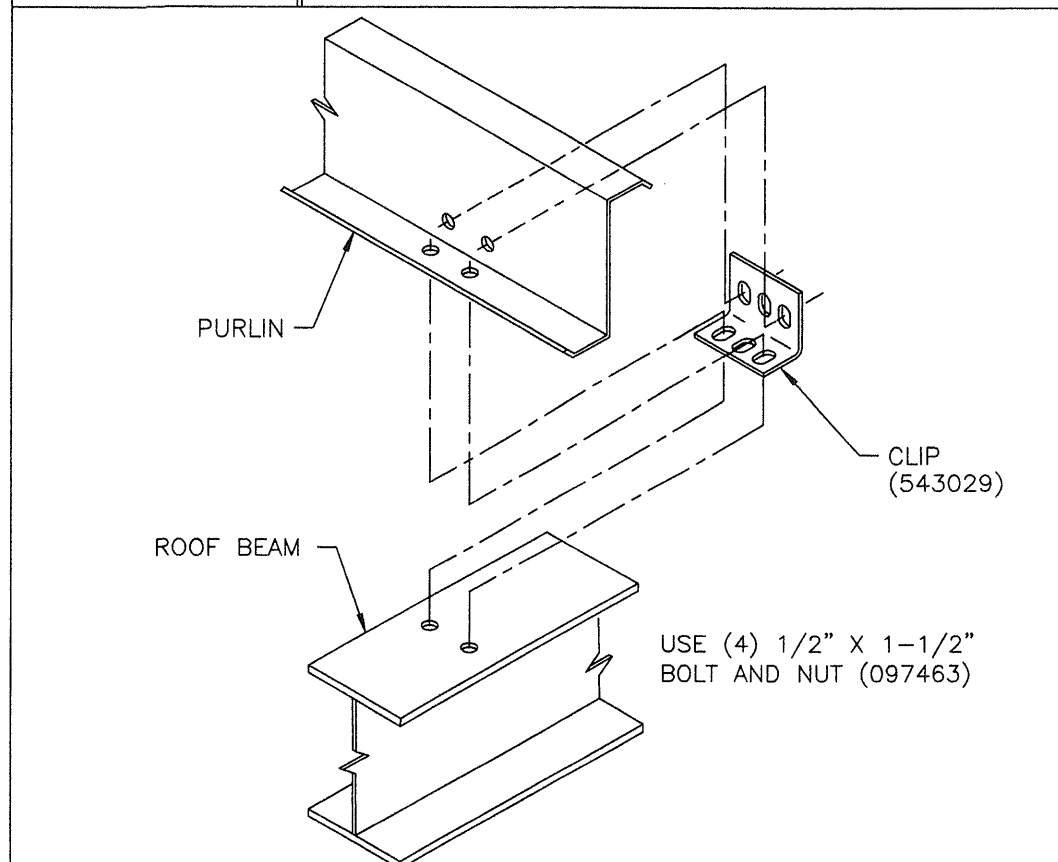
REV. DATE: 08/22/05 REV. NO. 03
DETAIL F262 RIDGE CHANNEL CONNECTION



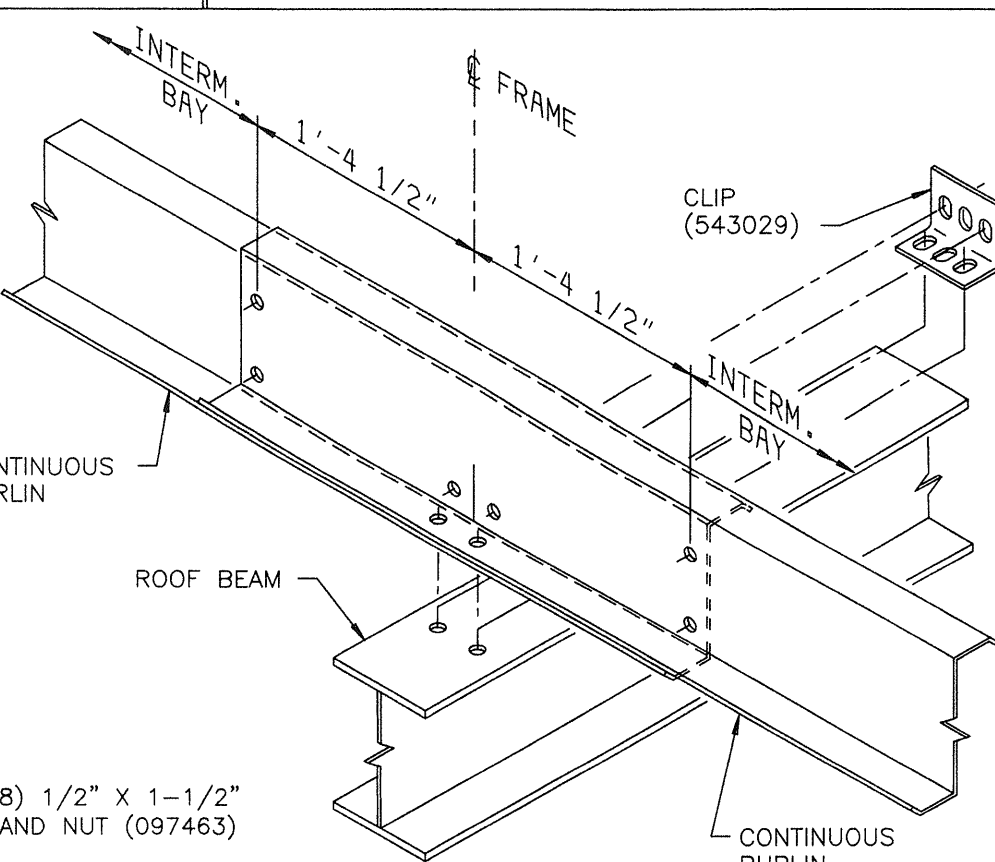
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DETAIL F384 CONTINUOUS SPAN PURLIN CONNECTION



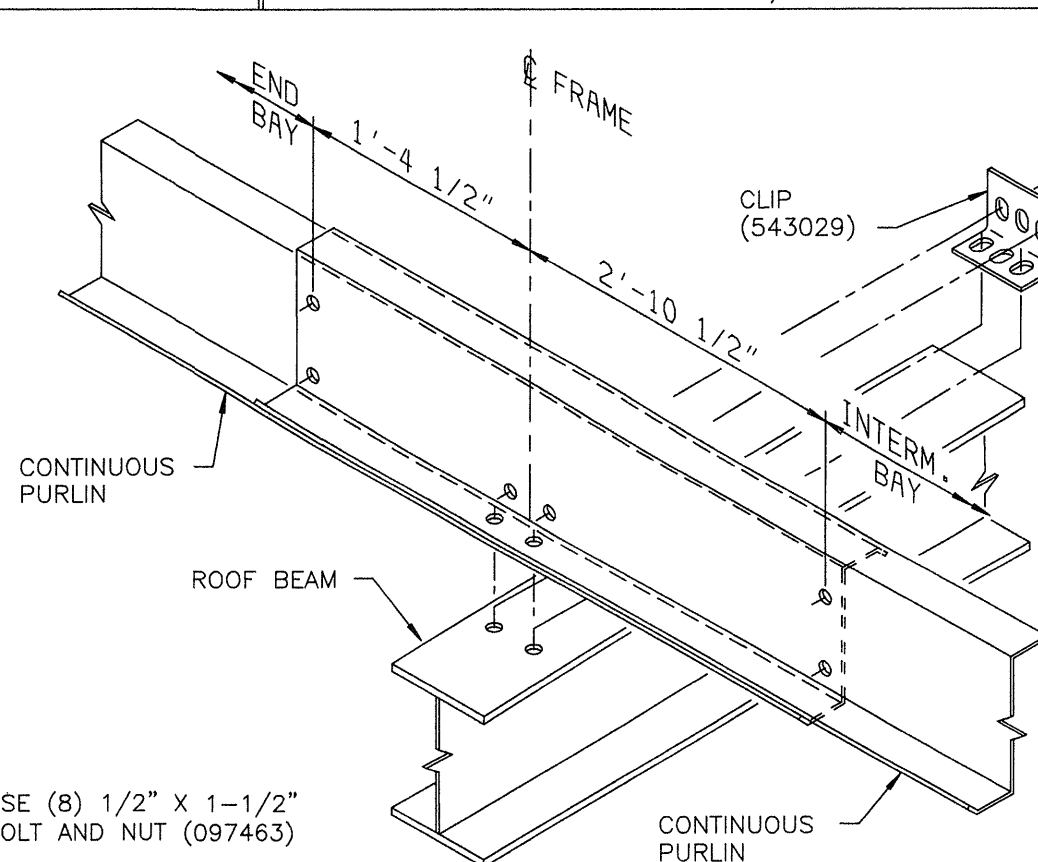
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DETAIL F386 CONTINUOUS SPAN PURLIN CONNECTION



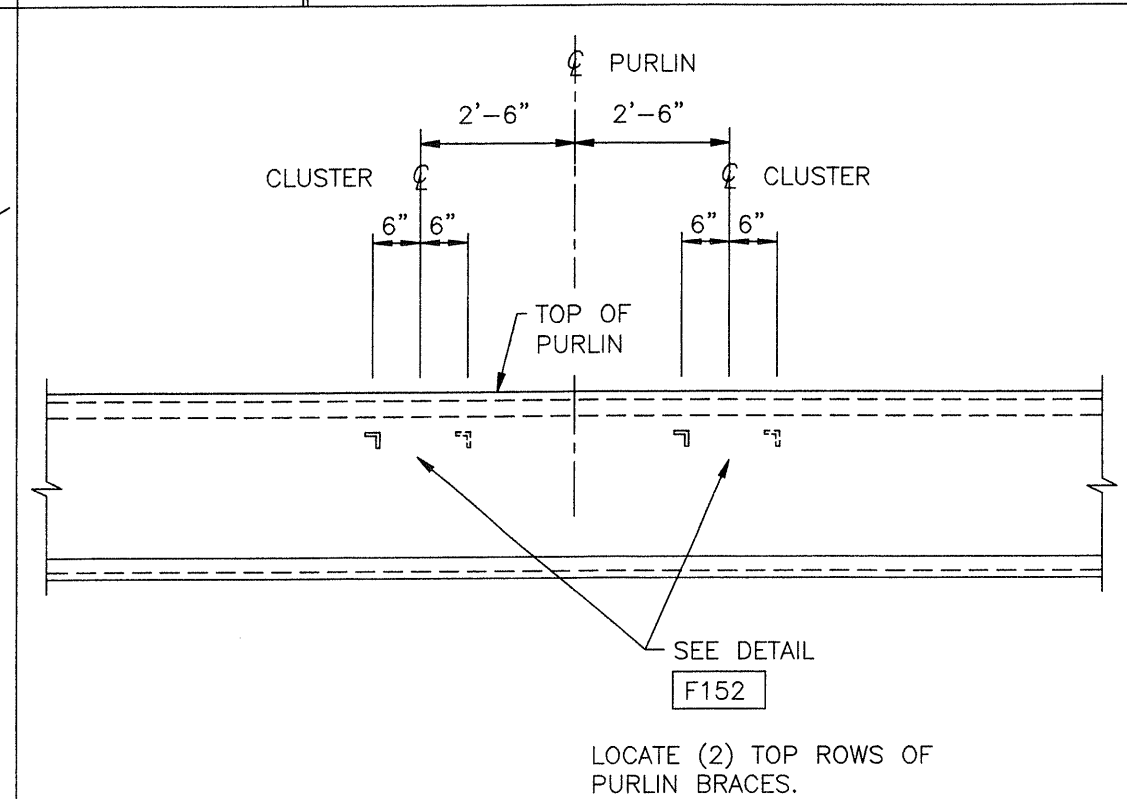
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DETAIL F393 PURLIN CONNECTION TO EW ROOF BEAM



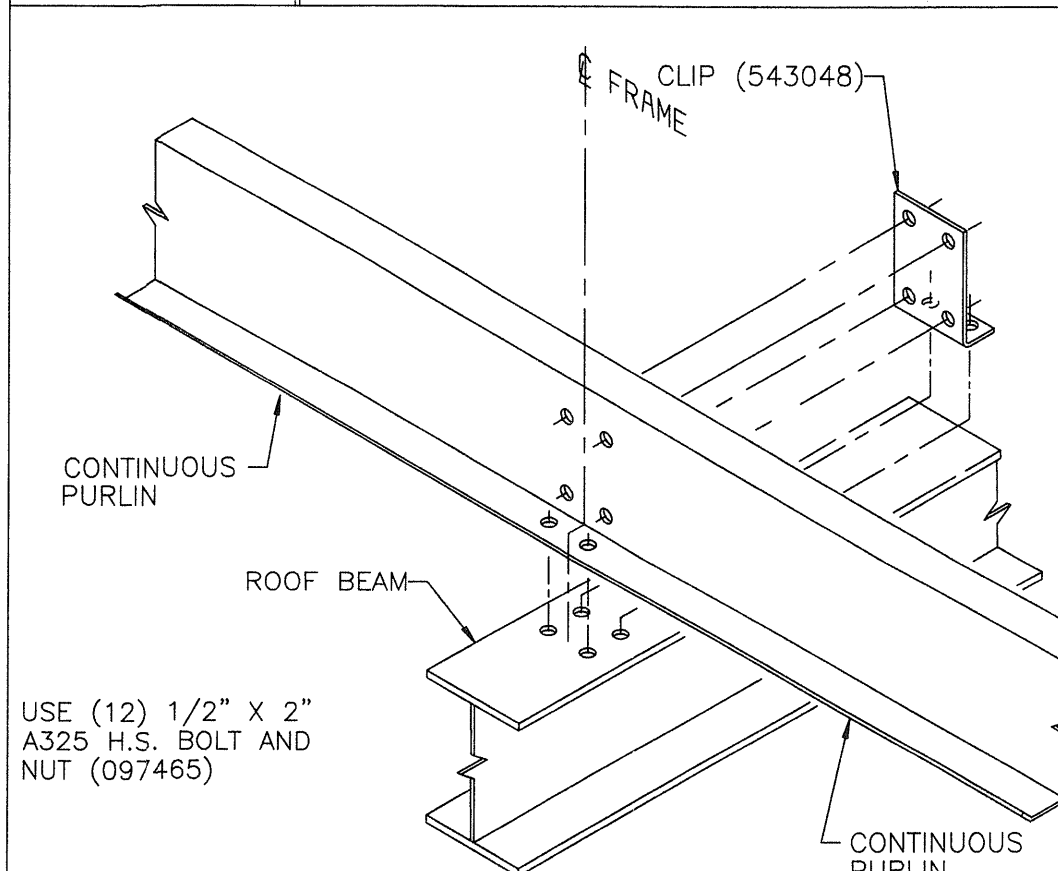
REV. DATE: 08/22/05 REV. NO. 01
DETAIL F396 CONT. SPAN 9-1/2\"/>



REV. DATE: 08/22/05 REV. NO. 01
DETAIL F397 CONTINUOUS SPAN PURLIN CONN. W/CLIP



REV. DATE: 03/06/01 REV. NO. 00
DETAIL F439 PURLIN BRACE LAYOUT



REV. DATE: 08/22/05 REV. NO. 02
DETAIL F113X CONTINUOUS SPAN PURLIN CONNECTION

REVISION NO. 1

DATE: 2/17/06	General Revision
DRAWN BY: odnewell	
CHECKED BY:	

REVISION NO. 2

DATE:	
DRAWN BY:	
CHECKED BY:	



BUTLER MANUFACTURING COMPANY
GENERAL OFFICES-KANSAS CITY, MISSOURI

PRODUCT OF THE
PROVID
ORDER ENGINEERING SYSTEM

BUILDER:

DIEDE CONSTRUCTION, INC
WOODBRIDGE, CA

PROJECT:

CITY OF SAN JOSE
CENTRAL SERVICES
BUILDING F
SAN JOSE, CA

BUILDING ORDER DESCRIPTION:

110X309X20 MRF
20# LL + 6#CLL
70 MPH EXP B CBC 01
ZONE 4 Na=1 Nv=1.2

DRAWING TITLE:

ROOF
SECONDARY STRUCTURAL
DETAIL SHEET

DRW: ADNEWELL

CHK:

DRAWING NUMBER:

D 06-136734-04B

ENG:

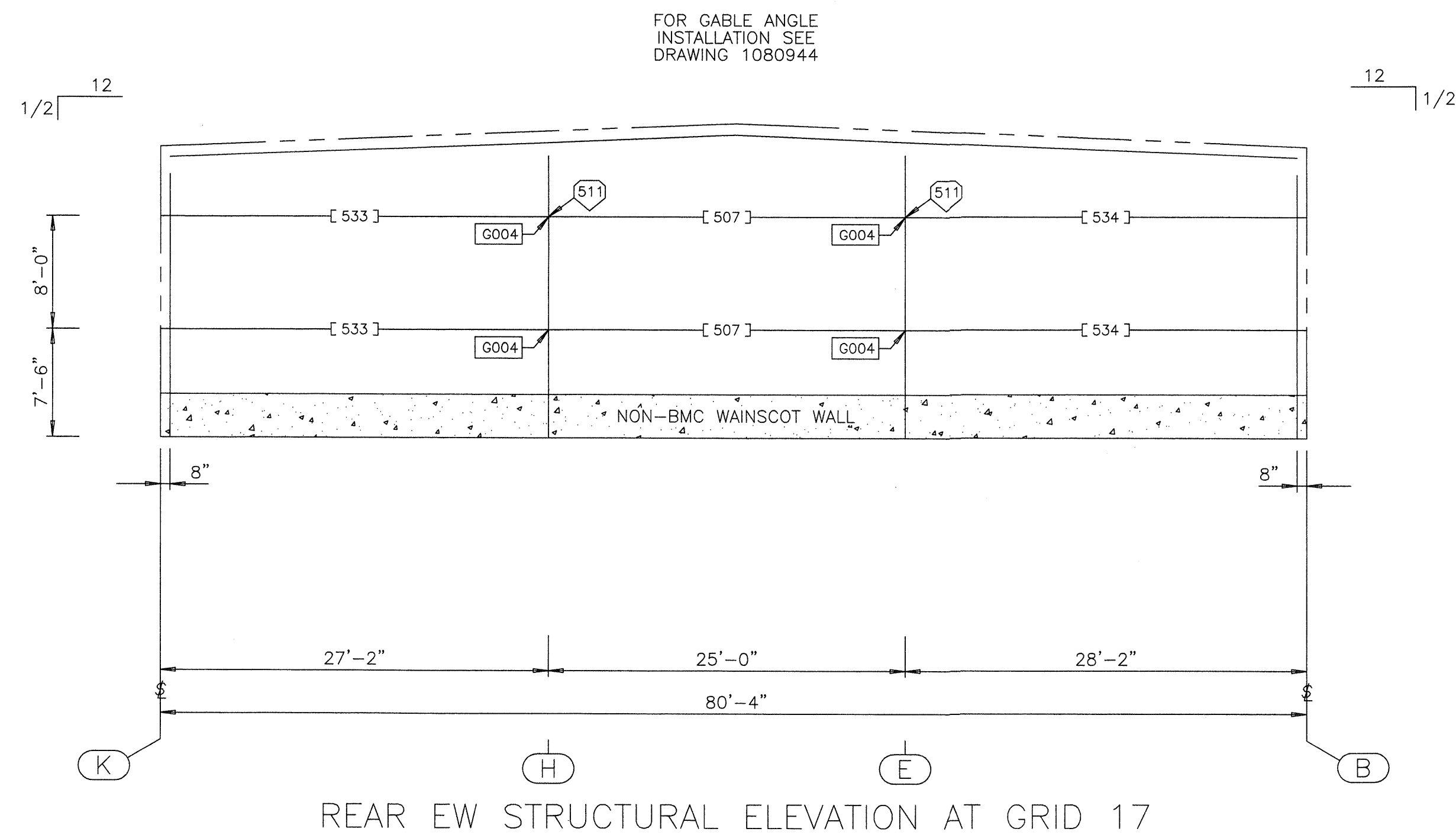
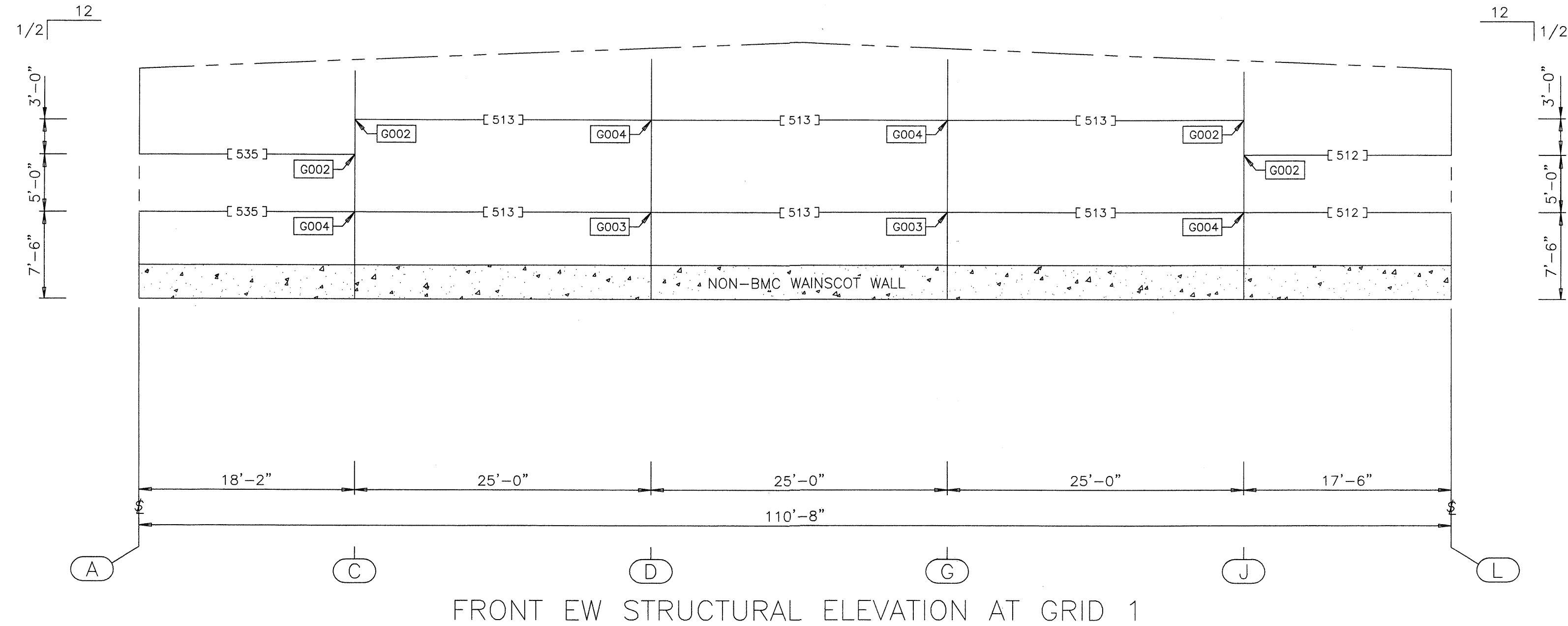
DATE: 01/25/06

REV.

01



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PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
507	P/G P 8X.060 2CP	530889		
512	P/G P 8X.060 2CP	530889		
513	P/G P 8X.060 2CP	530889		
533	P/G P 8X.060 2CP	530889		
534	P/G P 8X.060 2CP	530889		
535	P/G P 8X.060 2CP	530889		

FLANGE BRACE SCHEDULE				
○	PART NO. FRONT/LEFT	PART NO. REAR/RIGHT	DIM. "Y"	DETAIL FIELD WORK ▲
511	545100		10 1/2"	C347

STANDARD NOTES:

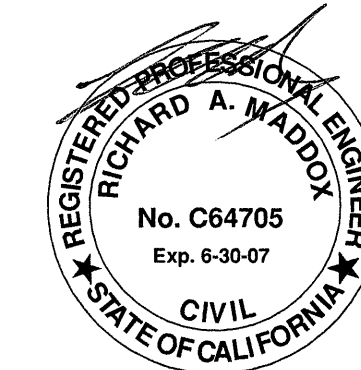
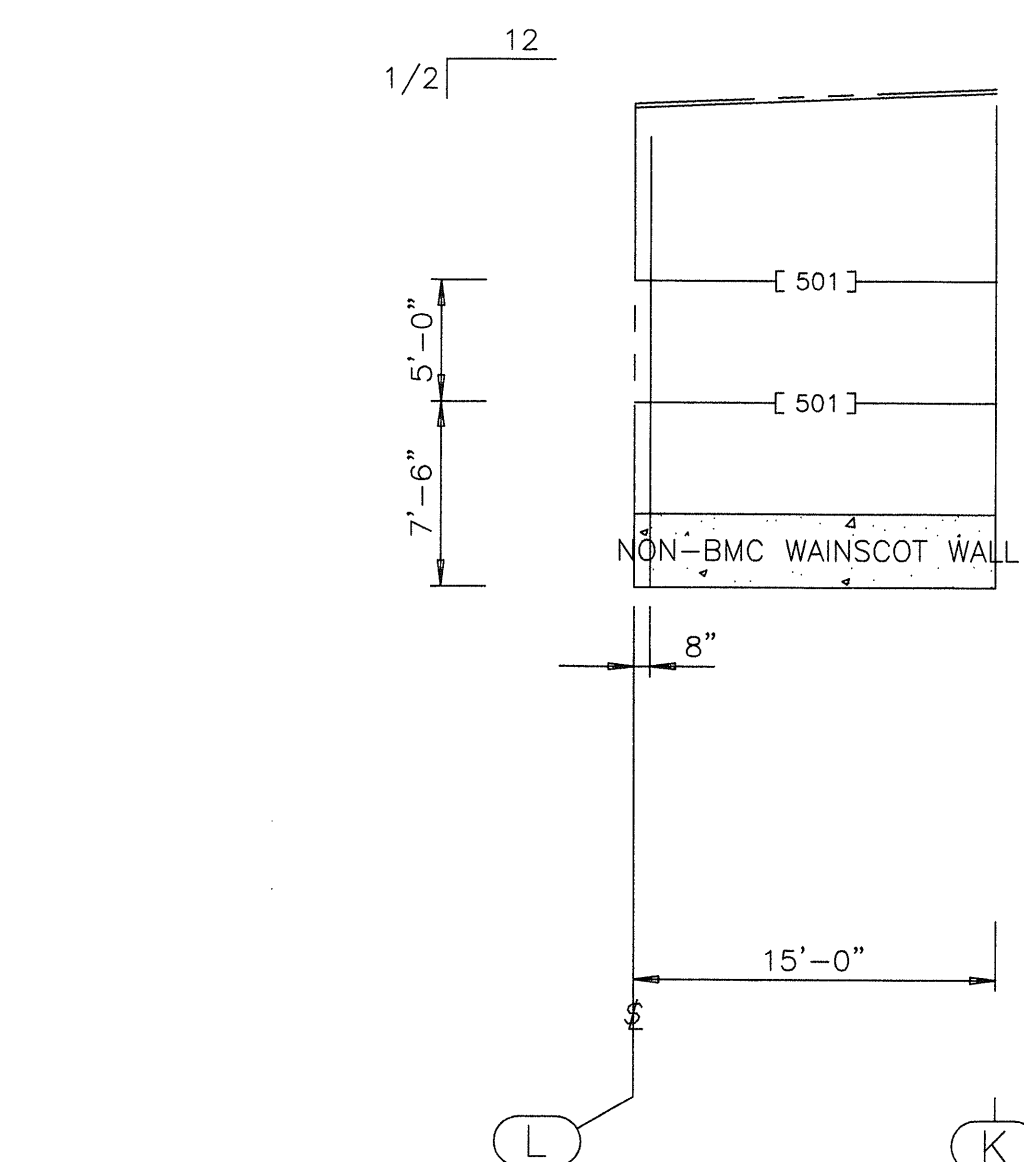
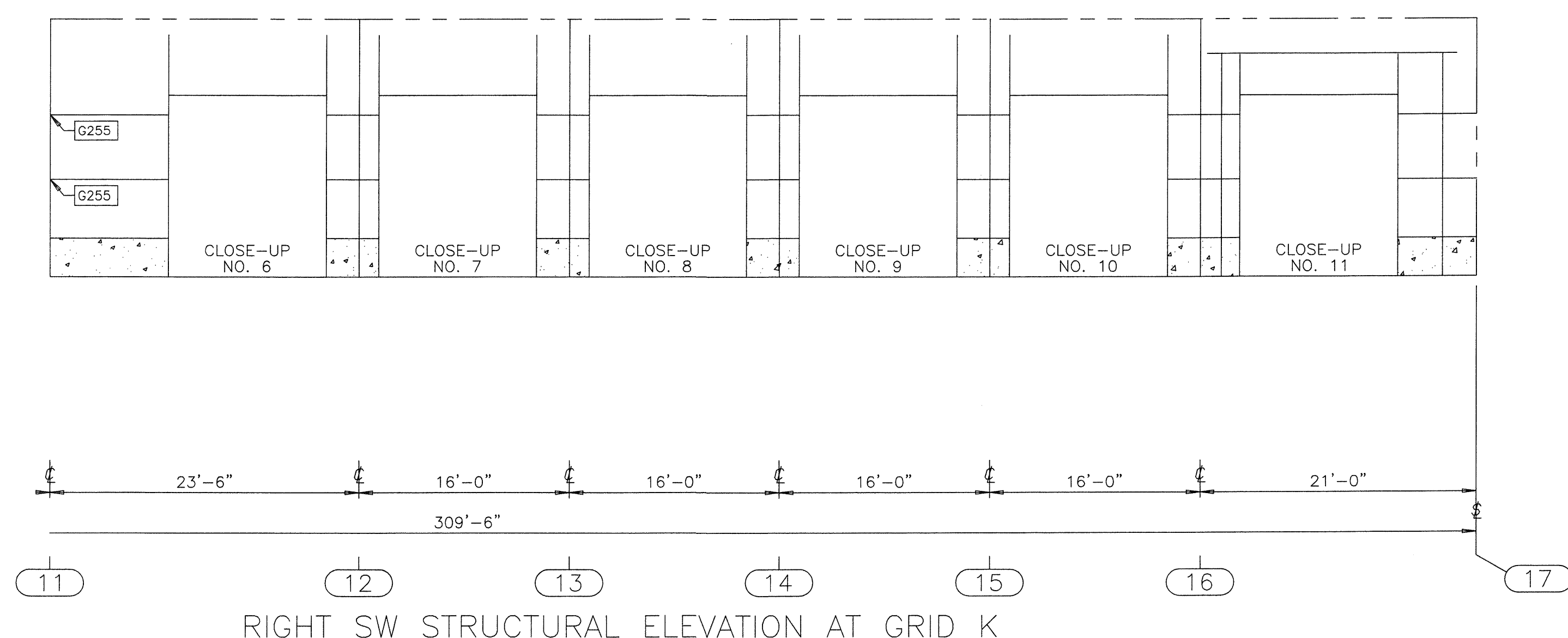
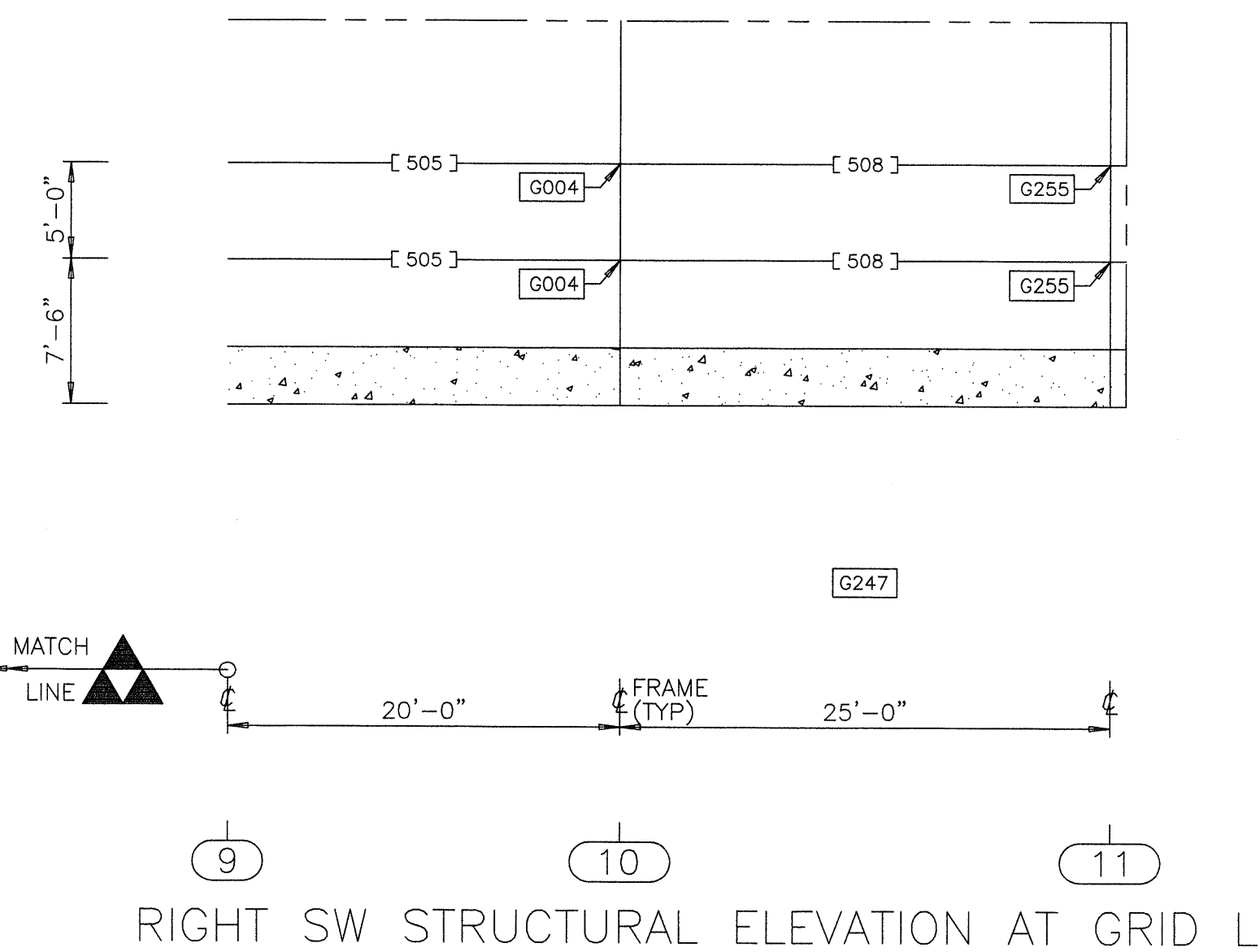
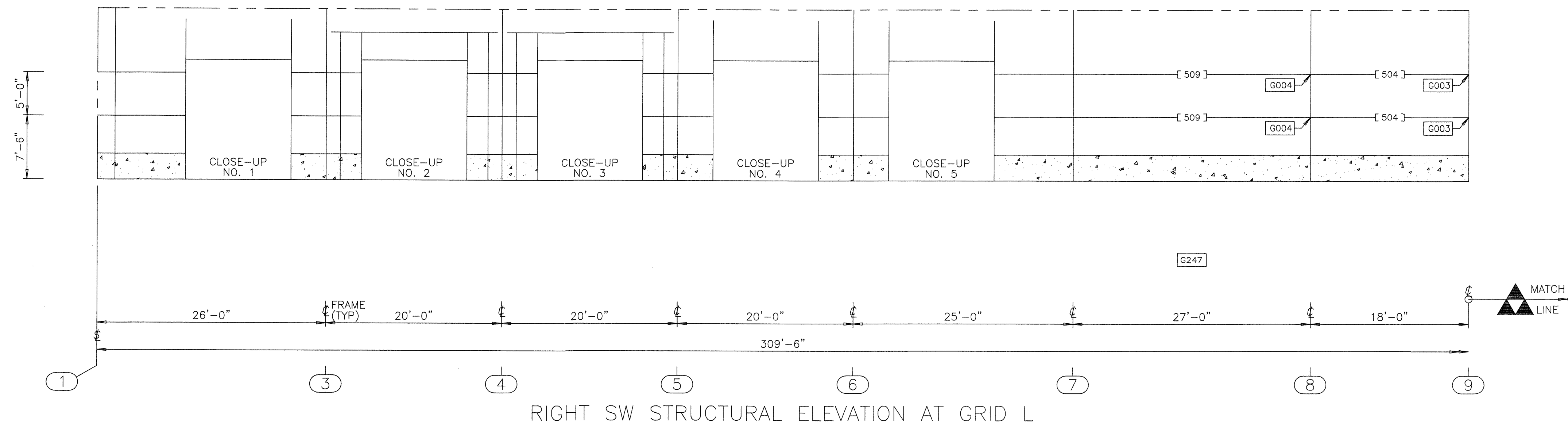
- WS0006 FILL ALL OPEN HOLES IN DOOR POST WEBS WITH PLASTIC SNAP-IN PLUGS (097229).
- WS0014 UNPUNCHED GIRTS ARE SUPPLIED AT OVERHEAD OR SLIDE DOORS. PUNCHED WALL SYSTEMS REQUIRE THE FIELD DRILLING OF THE 5/16" PANEL ATTACHMENT HOLES IN THE GIRT FLANGE.
- WS0023 **I M P O R T A N T**

REFER TO PRONTO DETAIL G047 FOR PROPER GIRT ALIGNMENT.
- WS0026 1/2" DIA. BOLTS AND NUTS ARE FURNISHED AS AN ASSEMBLY. THE DRAWINGS CALL OUT THESE BOLTS AND NUTS BY THEIR COMPONENT NO'S. ASSEMBLY CONTAINS

0097461	1/2X1-1/4 BOLT (0095085) AND NUT (0095032)
0097462	1/2X1-1/4 THIN HD BOLT (0096636) AND NUT (0095032)
0097463	1/2X1-1/2 BOLT (0095195) AND NUT (0095032)
0097464	1/2X1-3/4 GALV BOLT (0095331) AND (0095032)
0097465	1/2X2 A325T BOLT (0097280) AND (0095230)



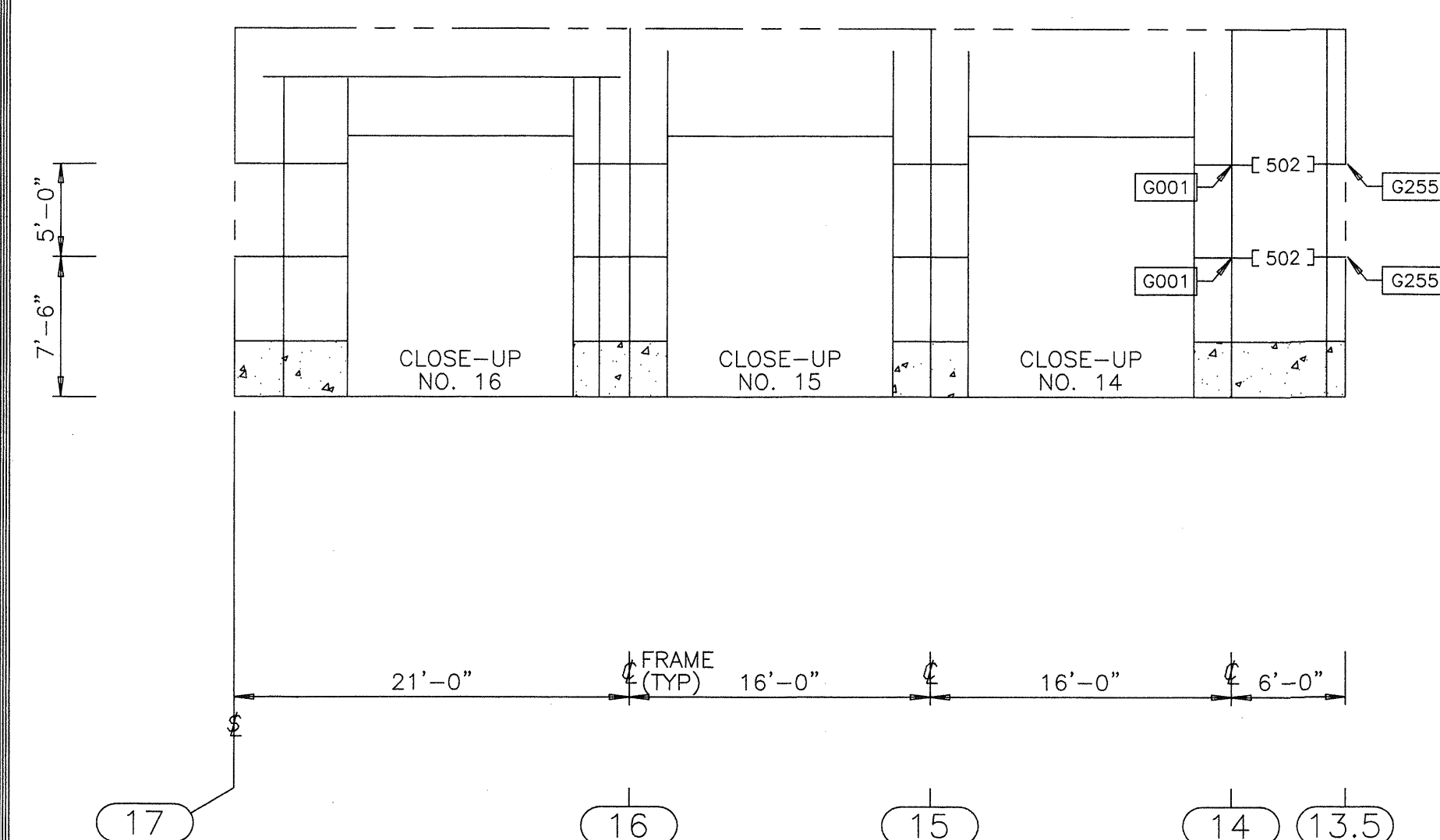
REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE  ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:
DATE: 2/17/06	General Revision	DATE:				DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	WALL SECONDARY STRUCTURAL ELEVATION	CHK:	DATE: 01/25/06
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:	REV.
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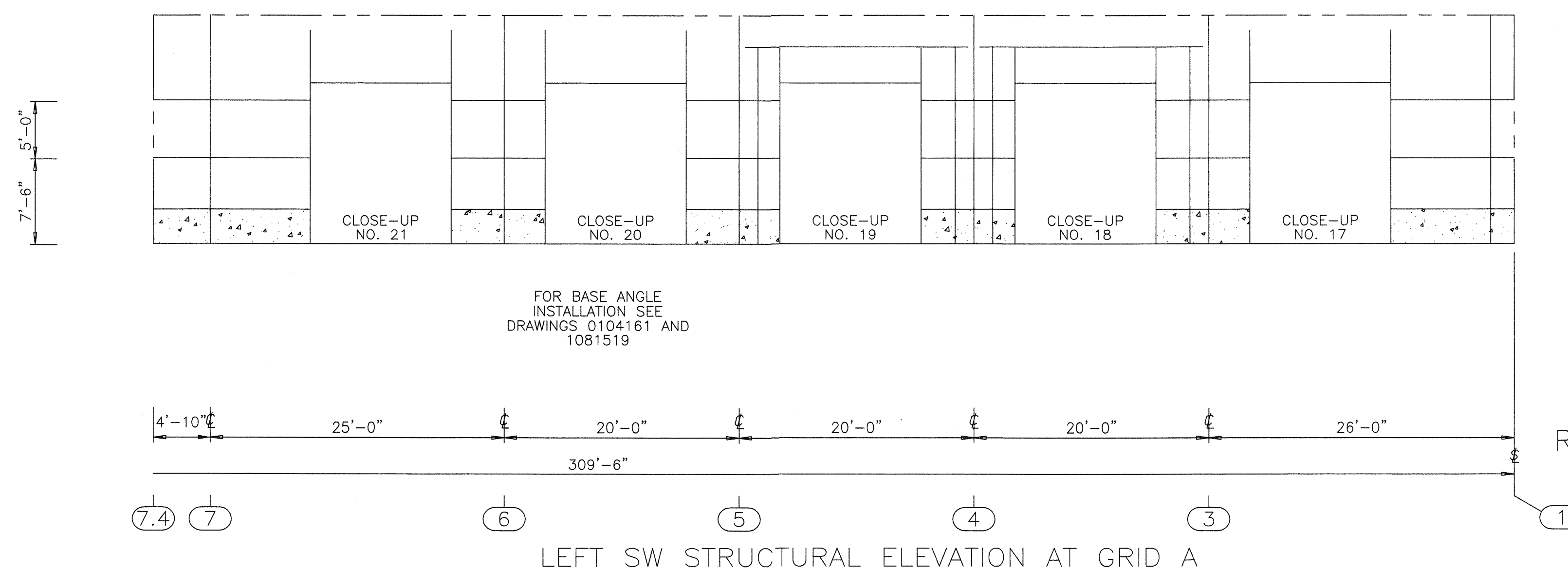
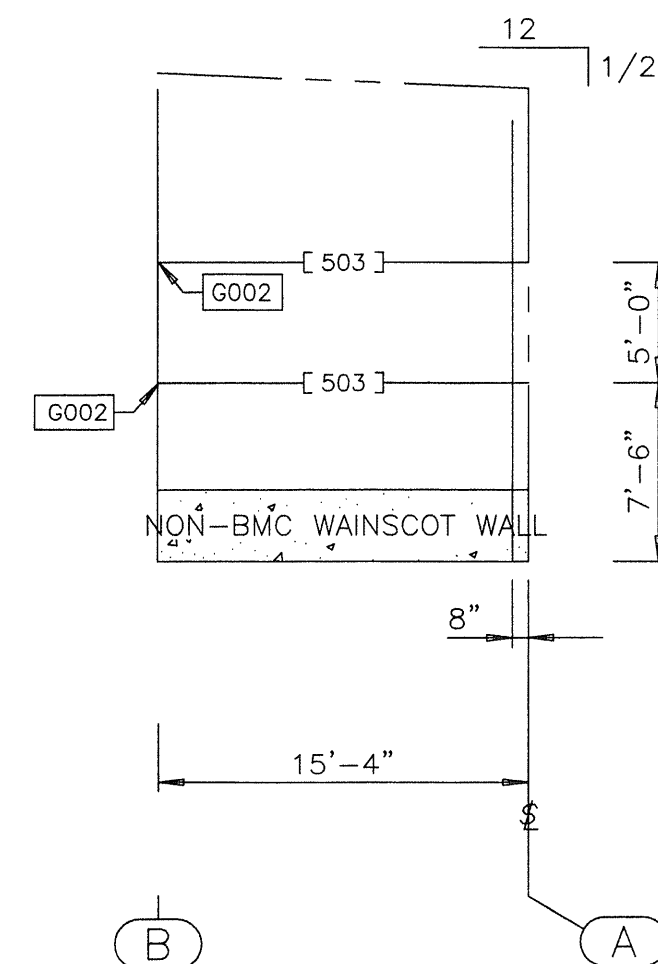
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General Revision		DATE:									CHK:	DATE: 01/25/06
		DRAWN BY:									DRAWING NUMBER:	
		CHECKED BY:									REV.	
						DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	WALL SECONDARY STRUCTURAL ELEVATION	D 06-136734-05A 0		

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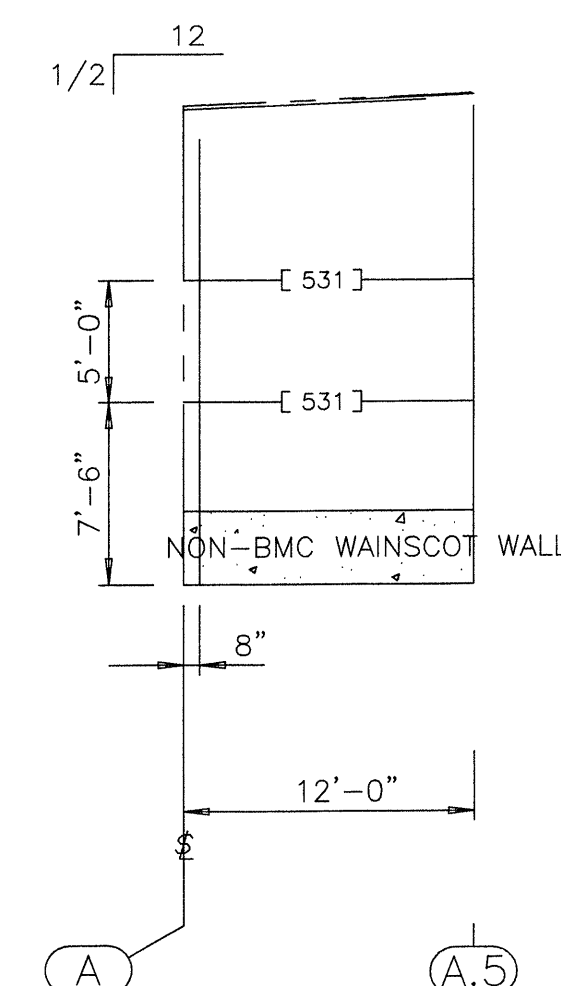
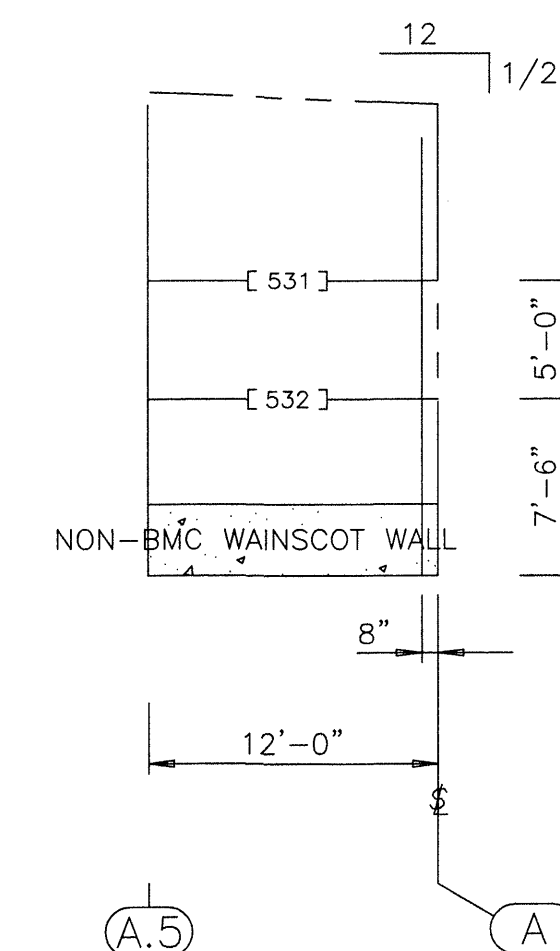
LEFT SW STRUCTURAL ELEVATION AT GRID B

REAR EW STRUCTURAL ELEVATION AT GRID 13.5

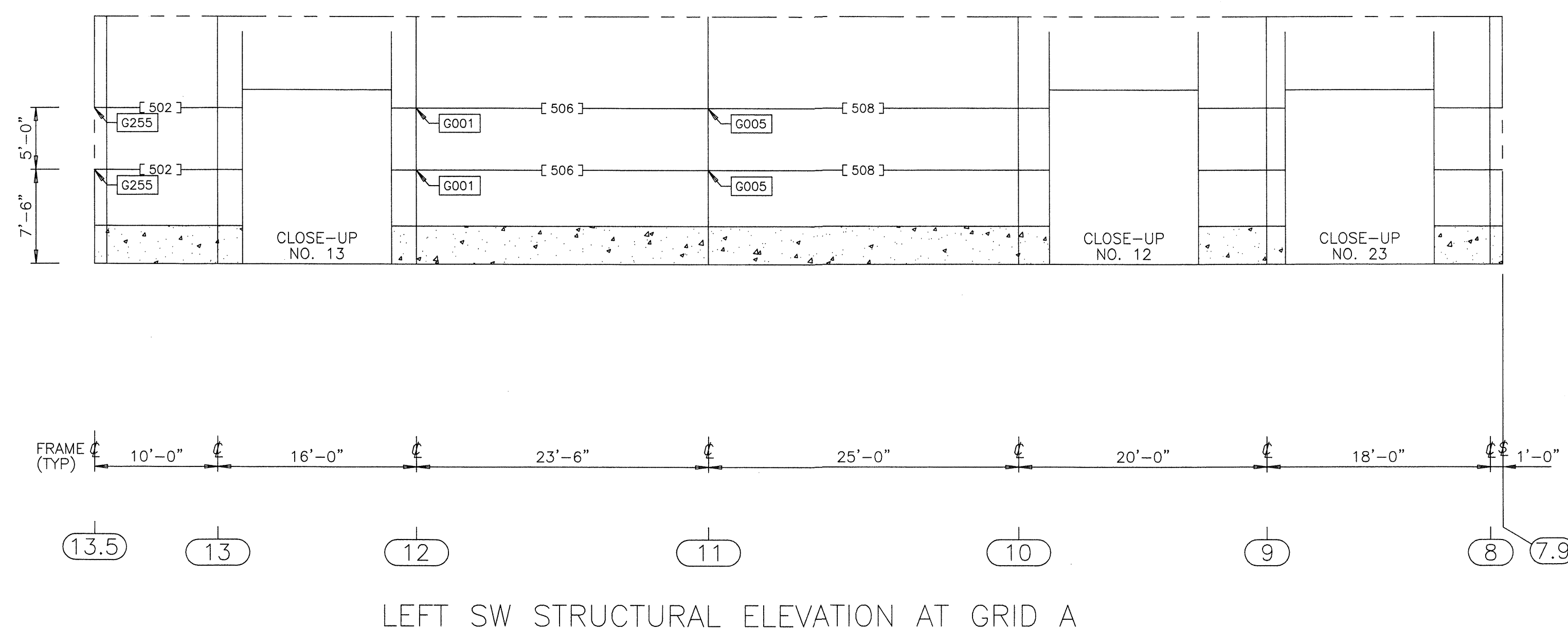


LEFT SW STRUCTURAL ELEVATION AT GRID A

REAR EW STRUCTURAL ELEVATION AT GRID 7.4

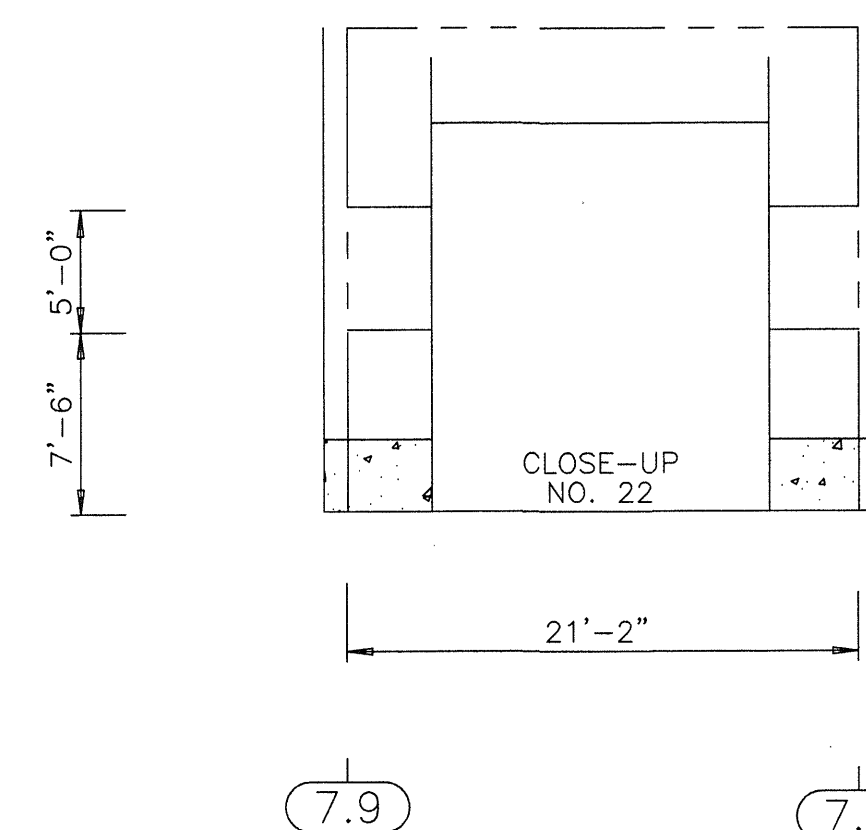


REAR EW STRUCTURAL ELEVATION AT GRID 7.9



LEFT SW STRUCTURAL ELEVATION AT GRID A

LEFT SW STRUCTURAL ELEVATION AT GRID A.5

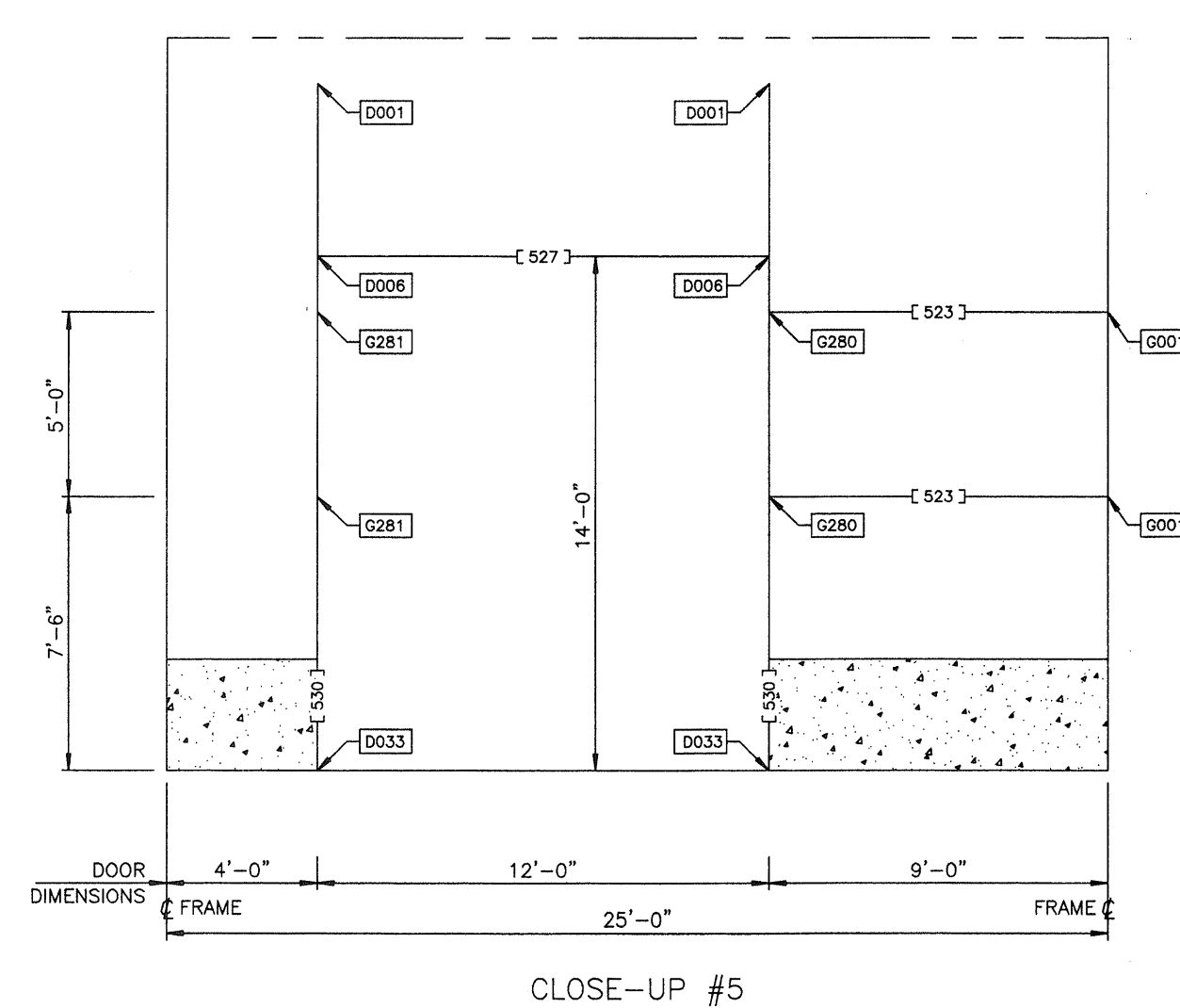
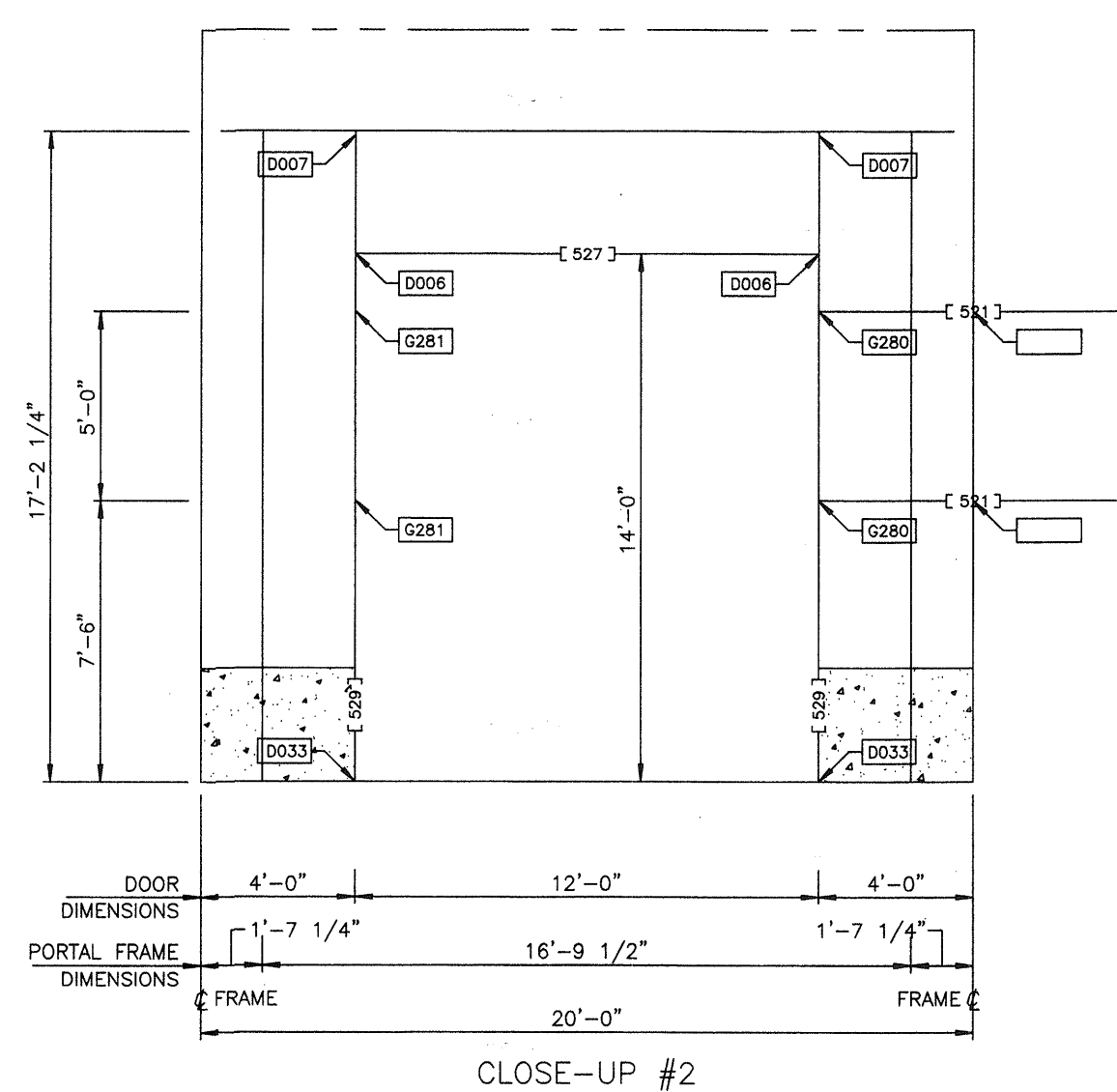
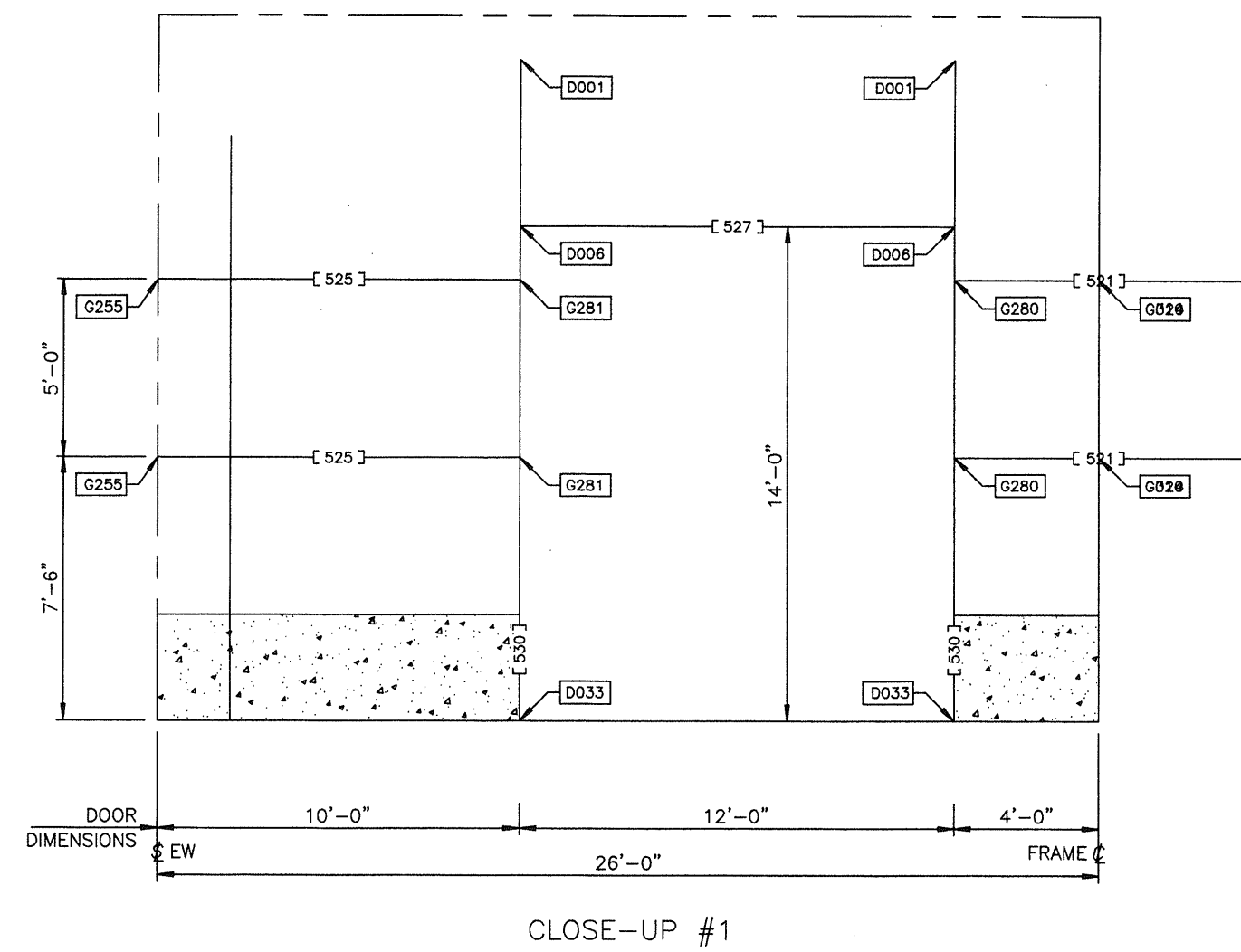


PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
502	P/G P 8X.060 2CP	530889		
503	P/G P 8X.060 2CP	530889		
506	P/G P 8X.060 2CP	530889 305-4		
508	P/G P 8X.060 2CP	530889 323-4		
514	DR GRT UP 8 X .060	550317 018-6		
515	DR GRT UP 8 X .060	550317 024-6		
516	DR GRT UP 8 X .060	550317 038-0		
517	DR GRT UP 8 X .060	550317 050-0		
519	DR GRT UP 8 X .060	550317 066-6		
520	DR GRT UP 8 X .060	550317 074-0		
521	DR GRT UP 8 X .060	550317 086-0		
522	DR GRT UP 8 X .060	550317 096-6		
524	DR GRT UP 8 X .060	550317 108-6		
526	DR GRT UP 8 X .060	550317 120-6		
527	DOOR HEADER 12IN	580387 143-4		
528	DOOR HEADER 12IN	580387 167-4		
529	DOOR POST .062X12	580703 205-0		
530	DOOR POST .062X12	580703 223-4		
531	P/G P 8X.060 2CP	530889		

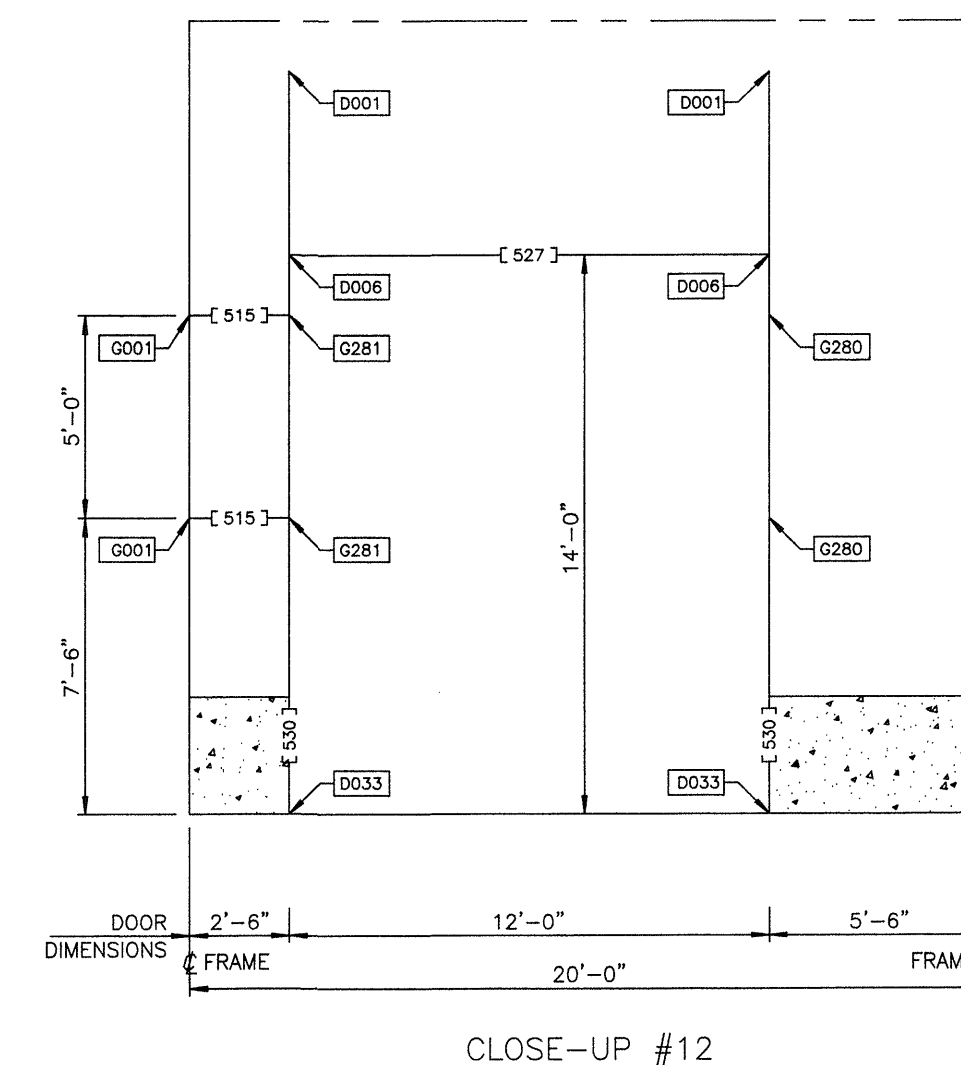
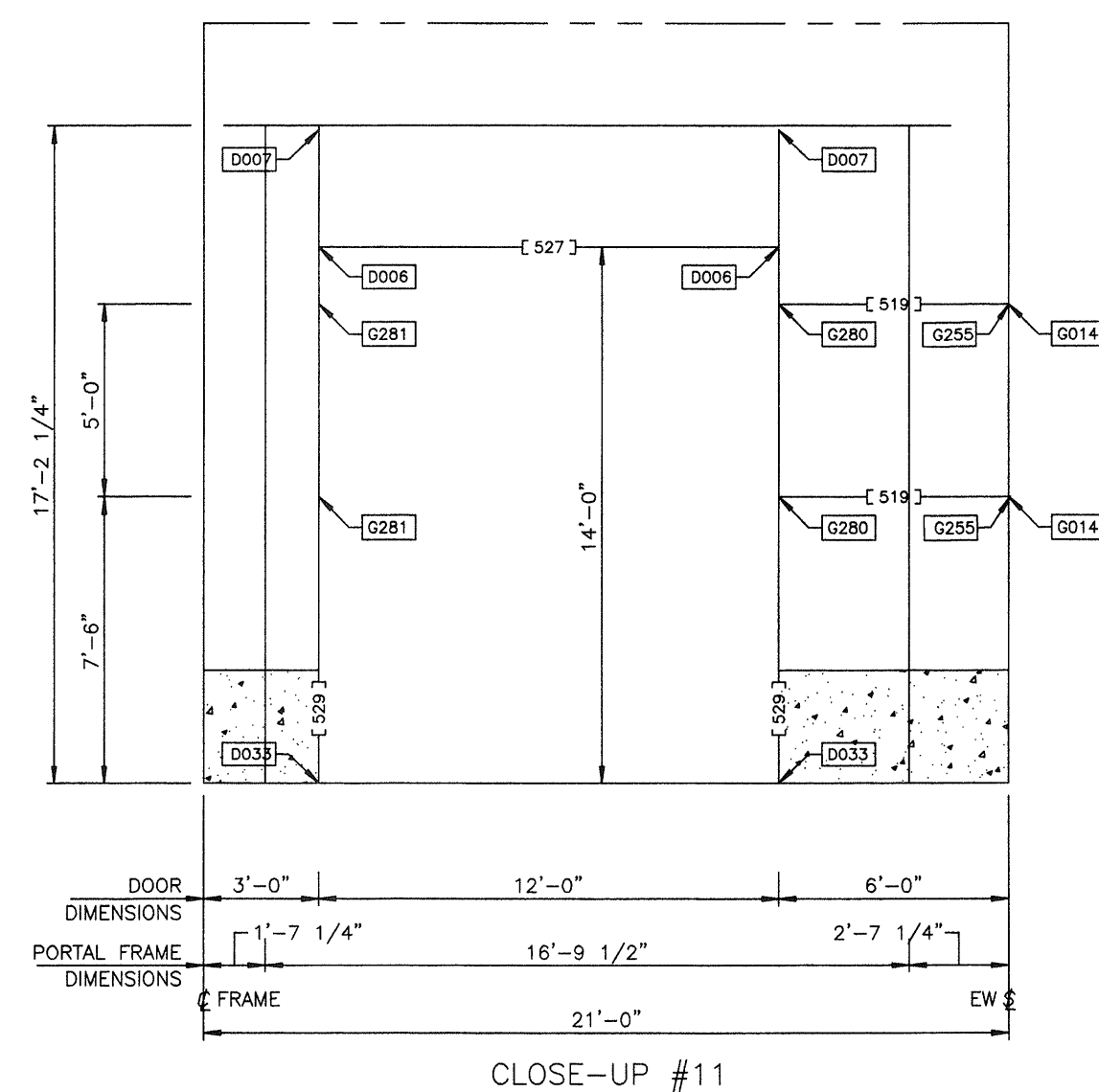
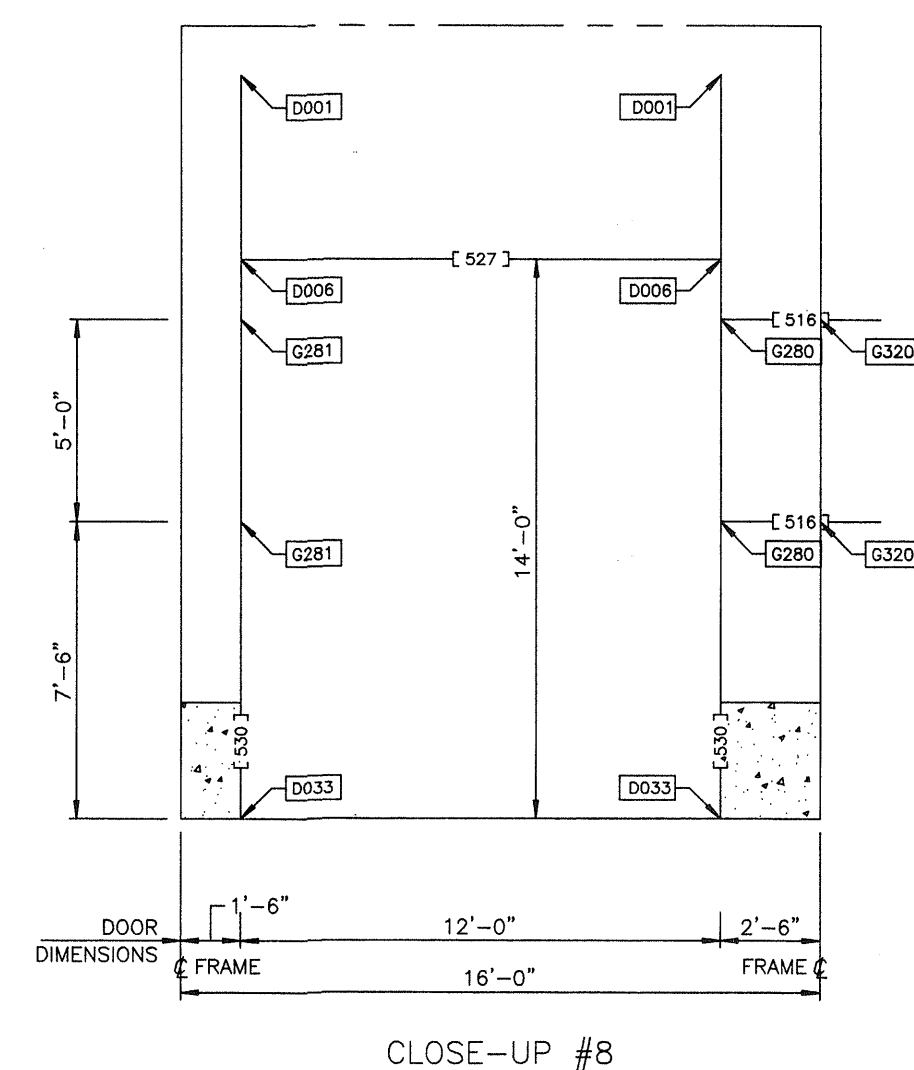
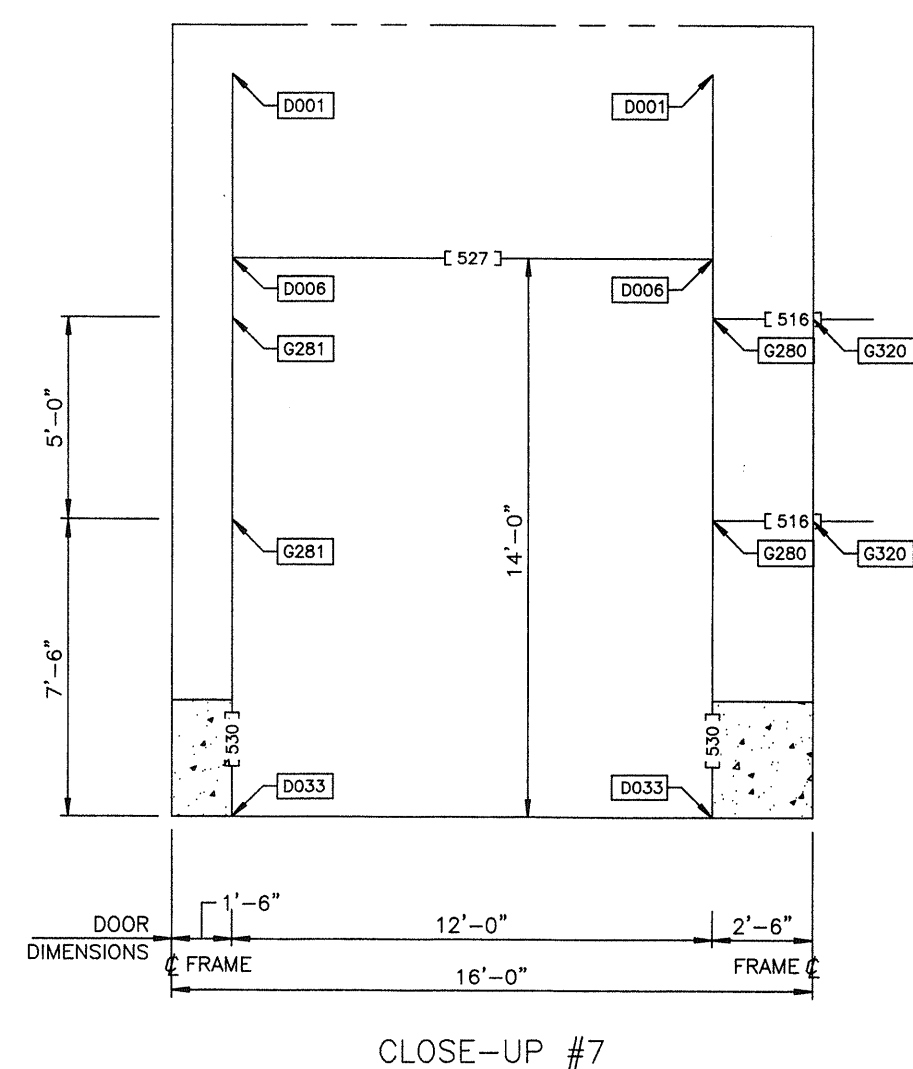
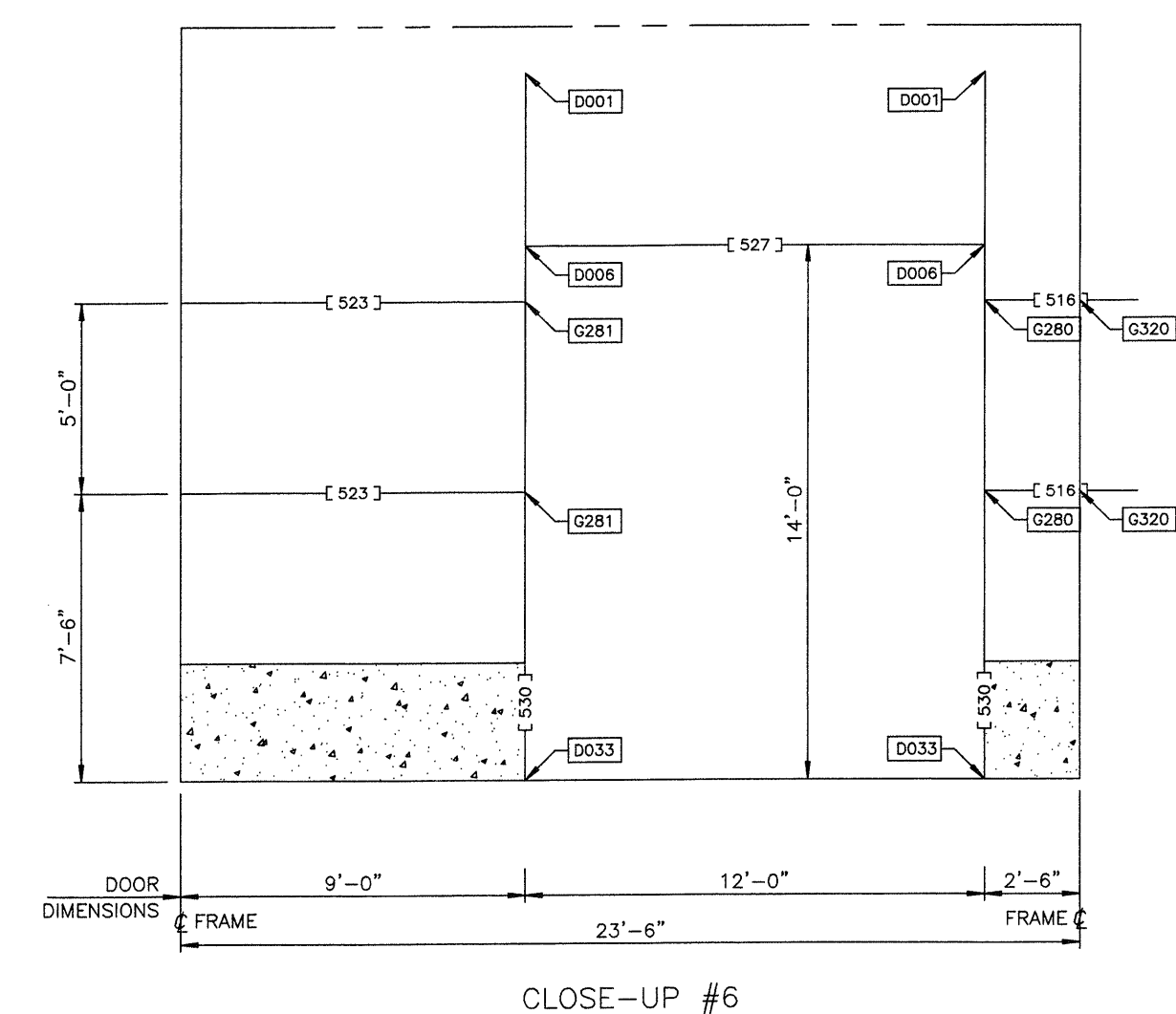
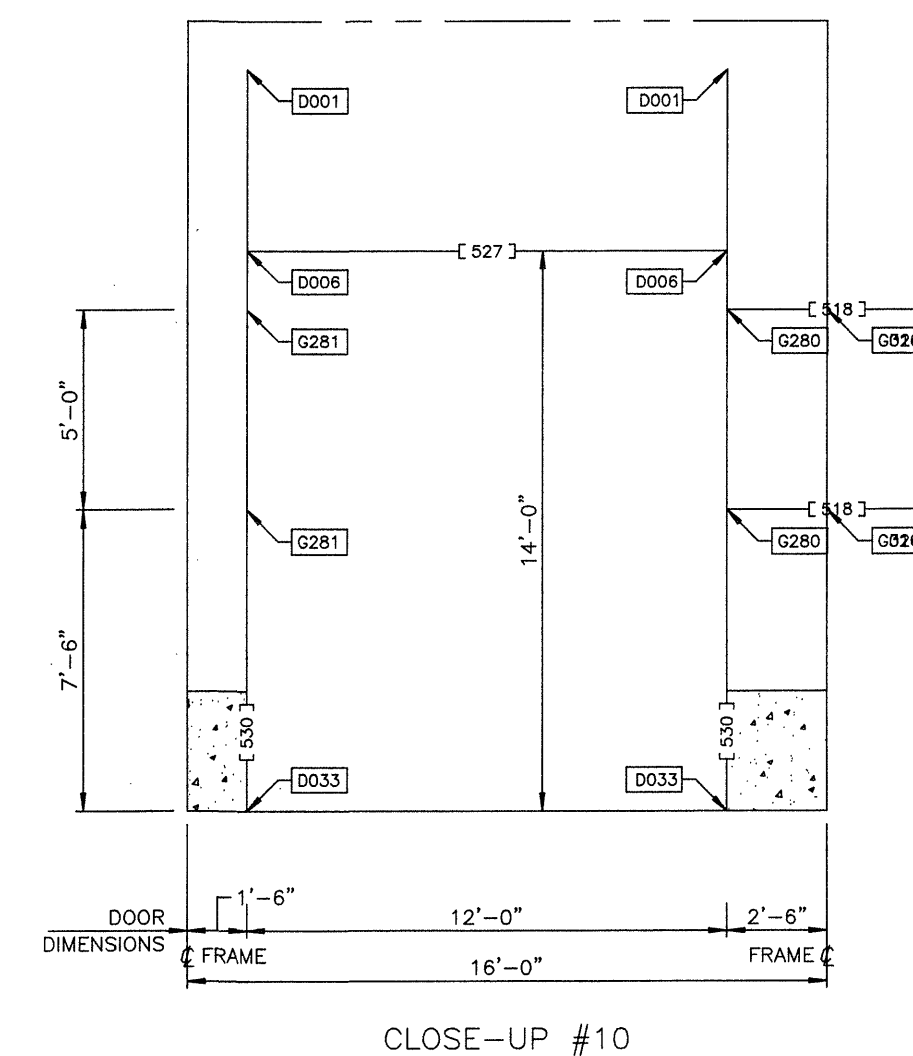
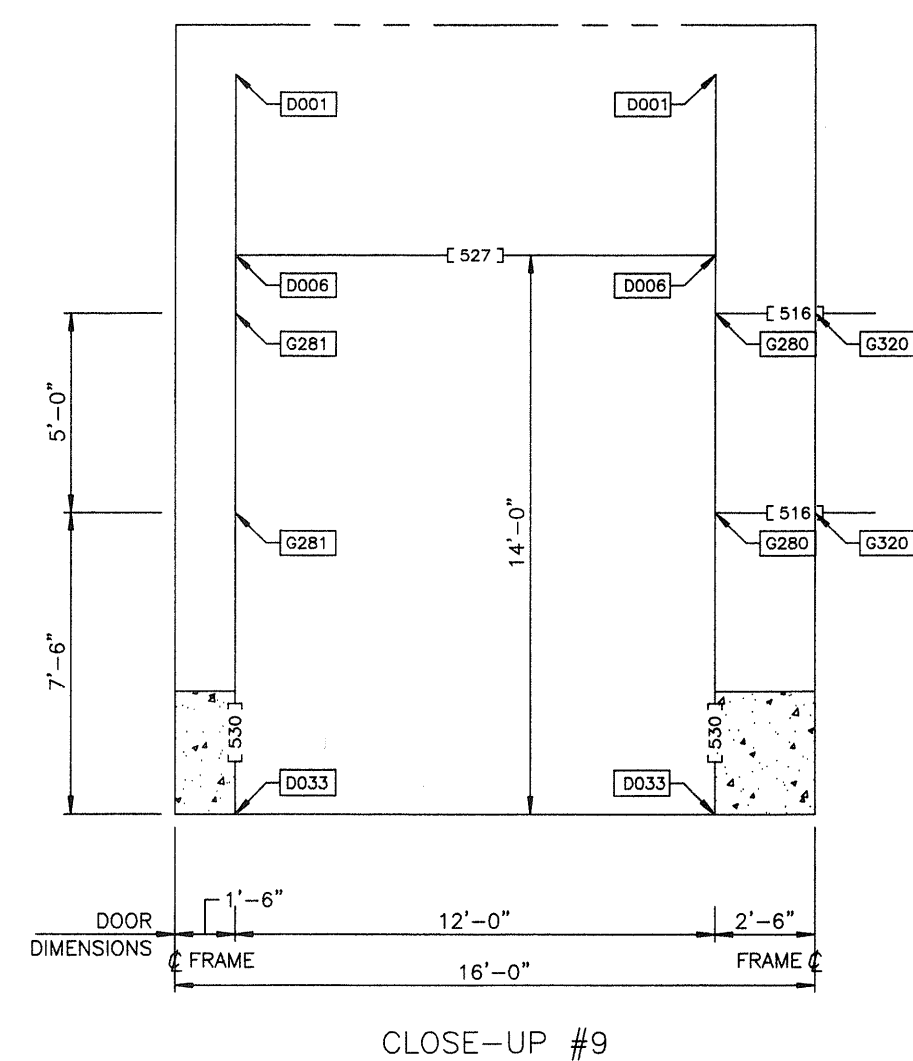
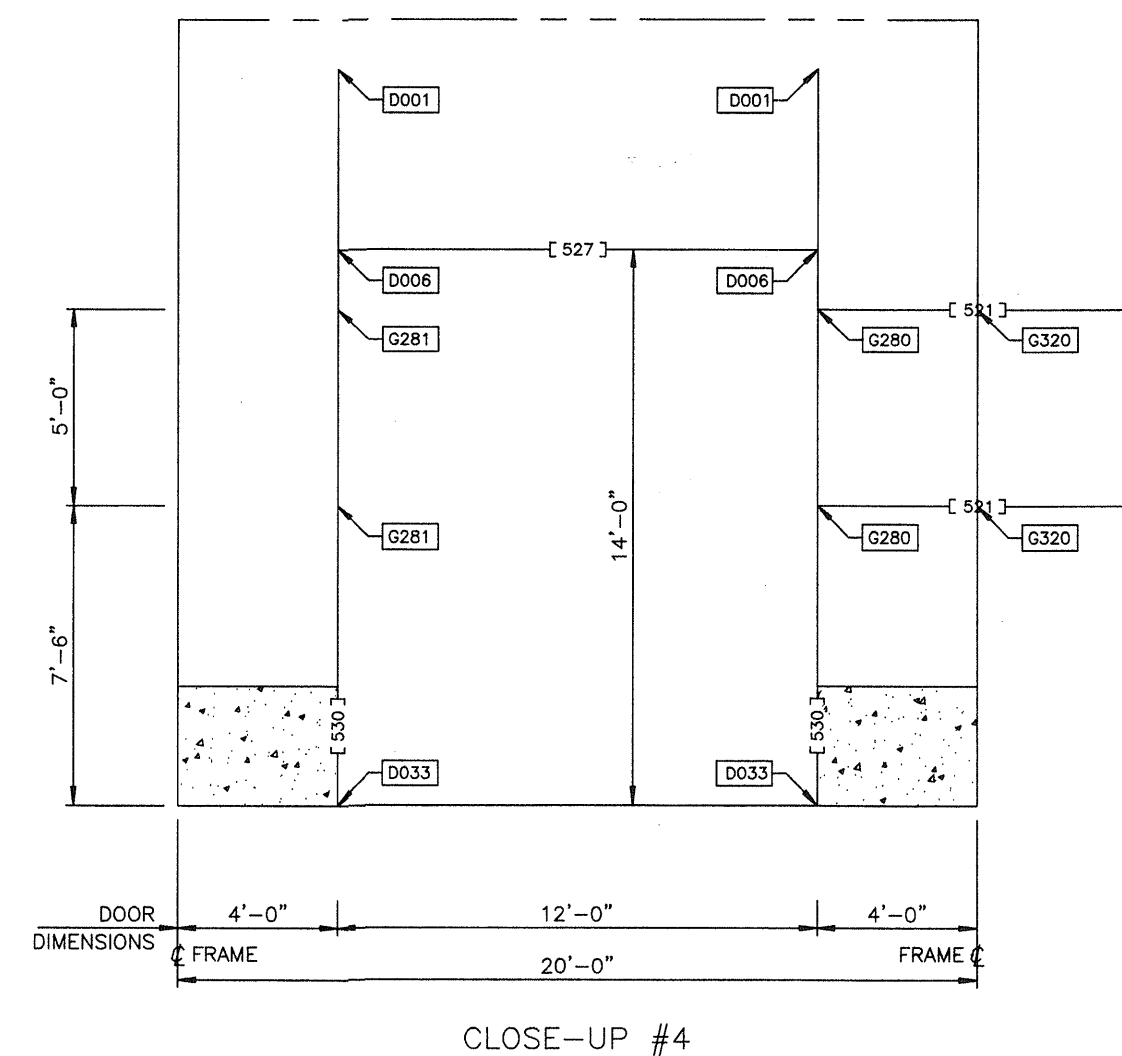
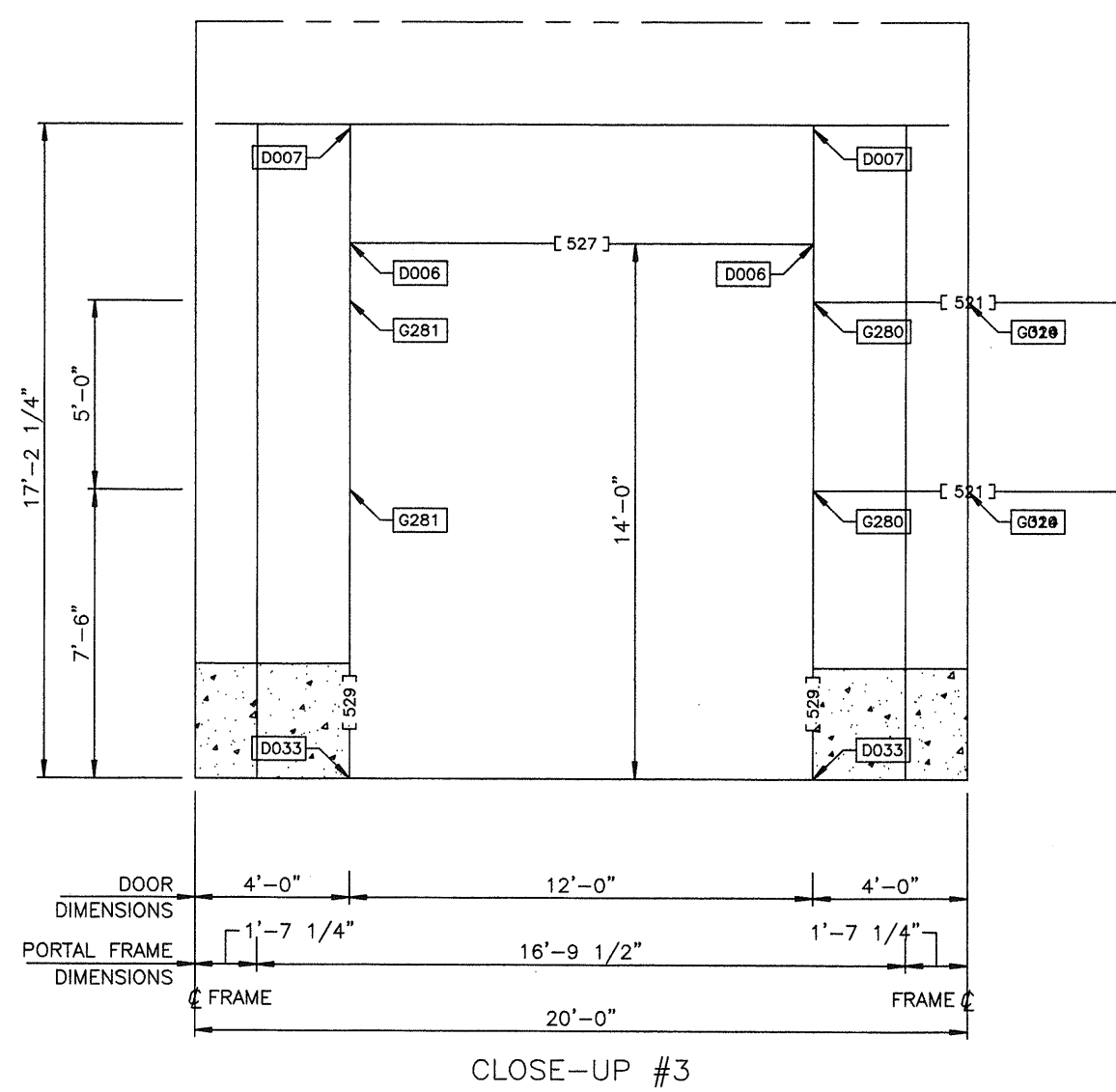


REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:	
DATE: 2/17/06		DATE:				DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	WALL SECONDARY STRUCTURAL ELEVATION	CHK:	DATE: 01/25/06	
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CHECKED BY:		CHECKED BY:								D 06-136734-05B		01

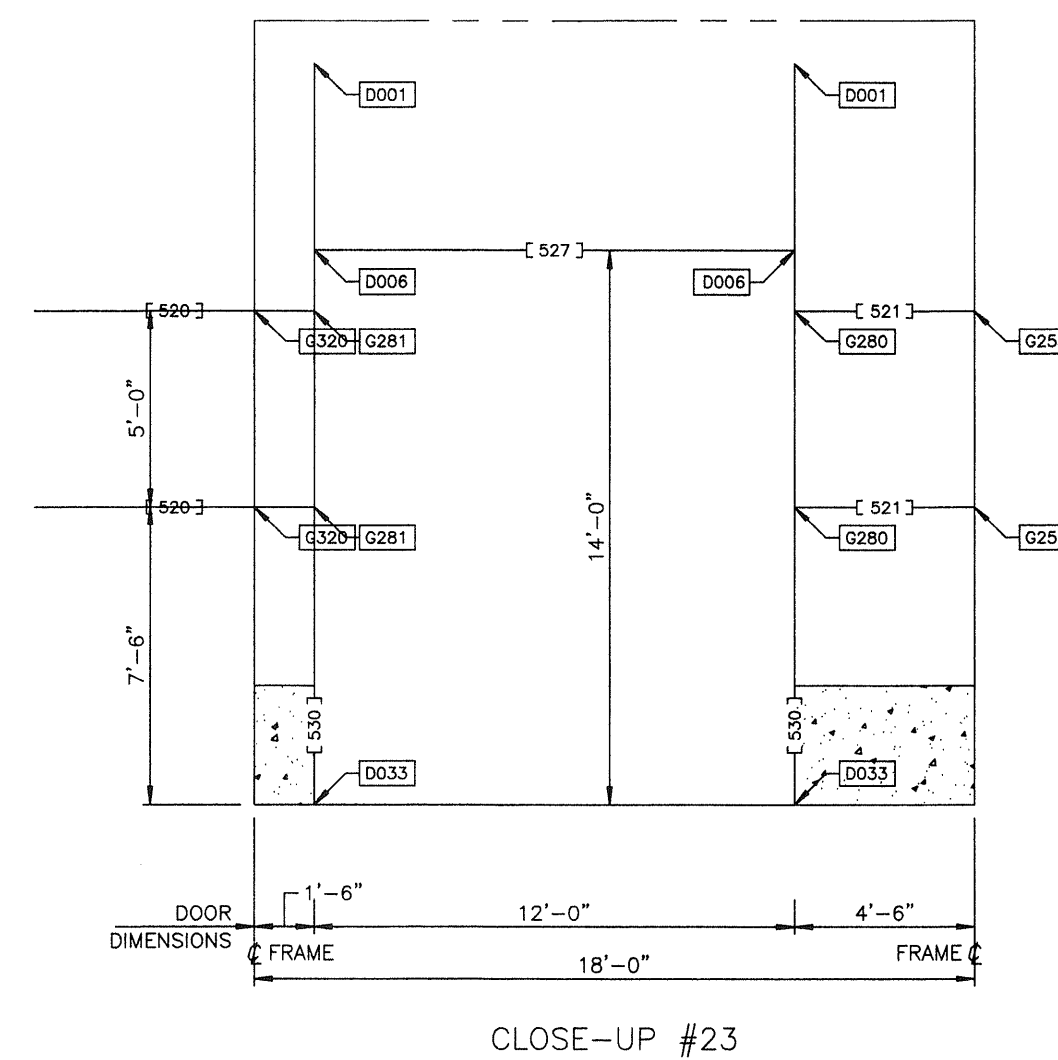
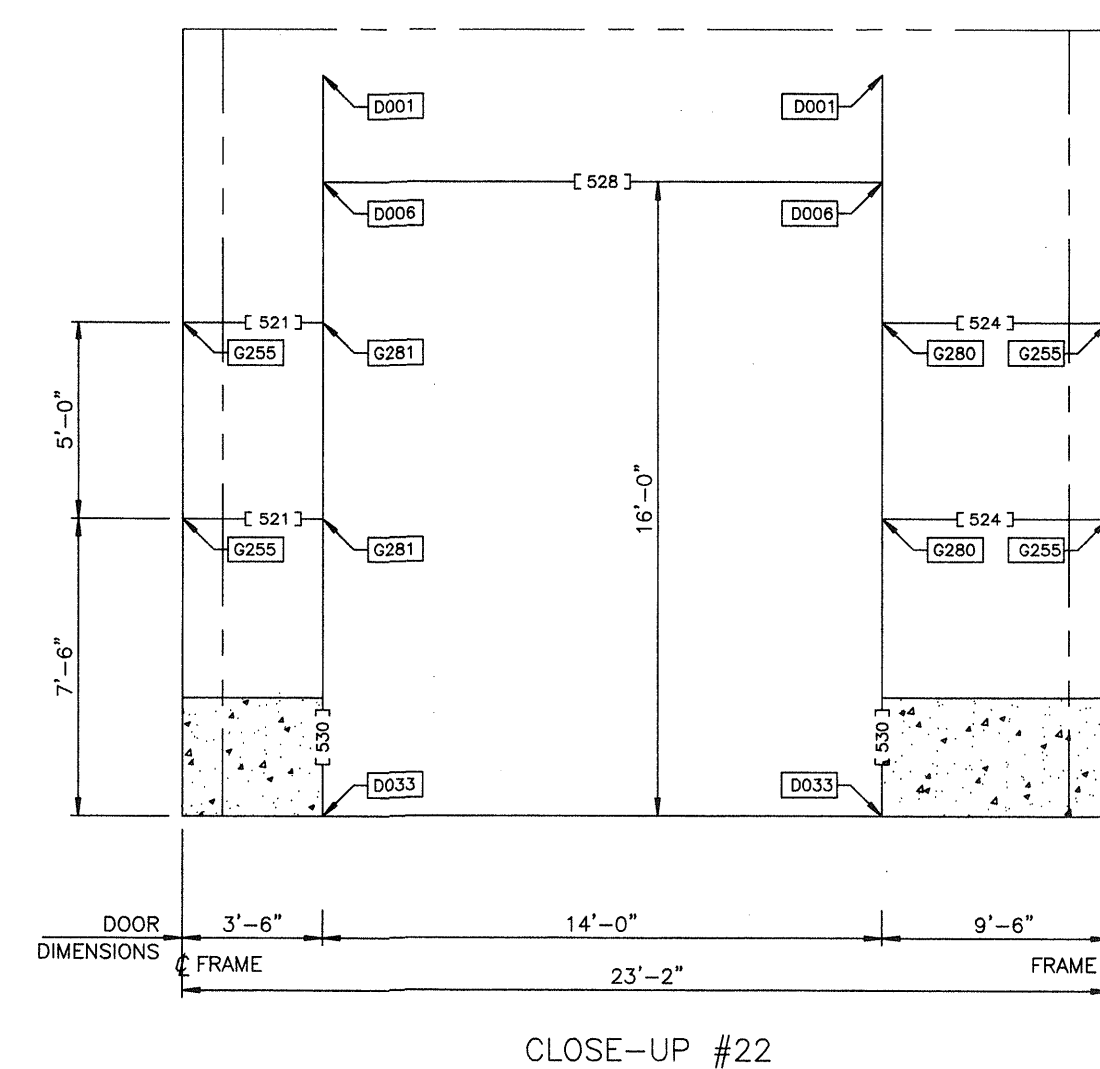
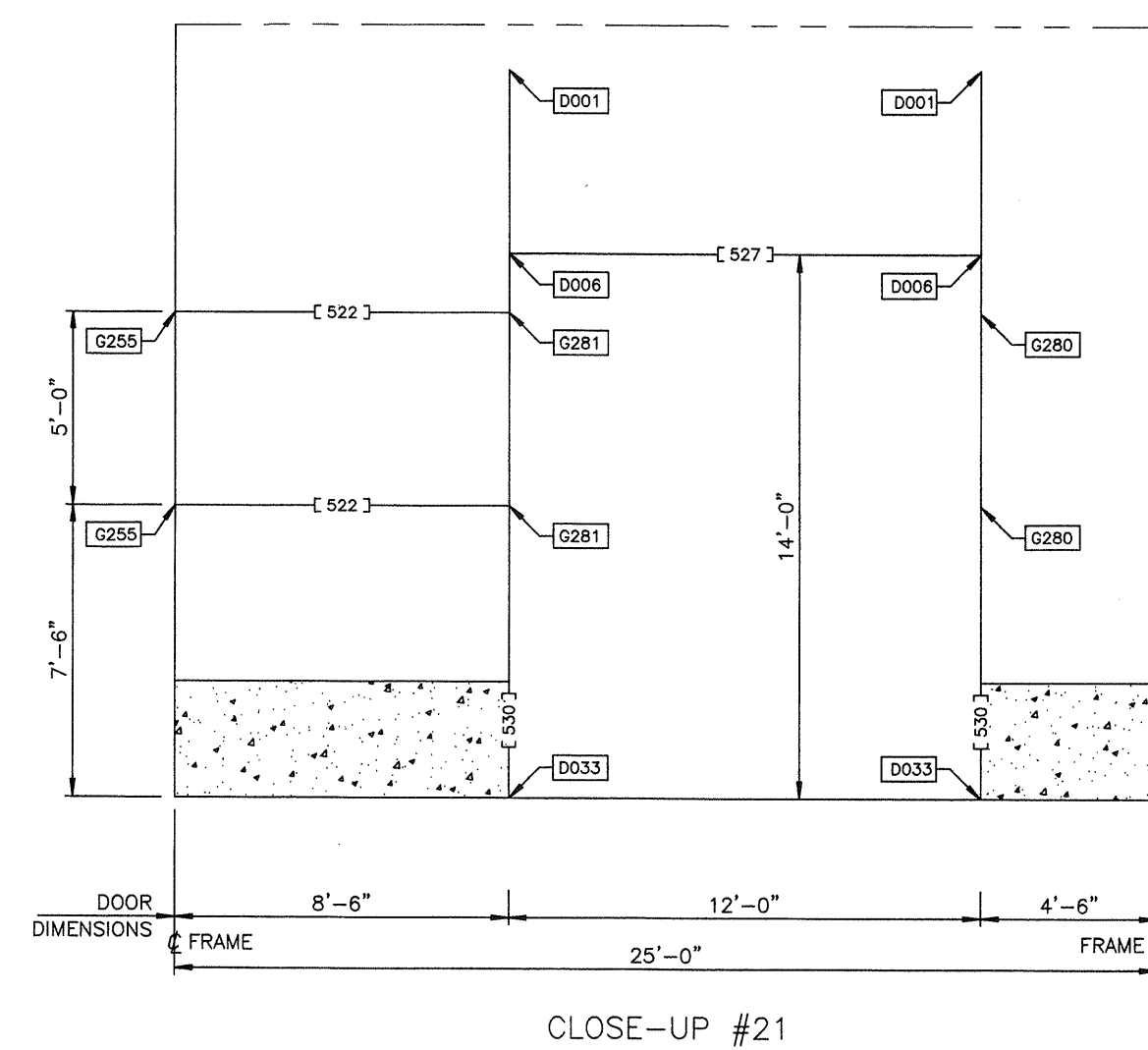
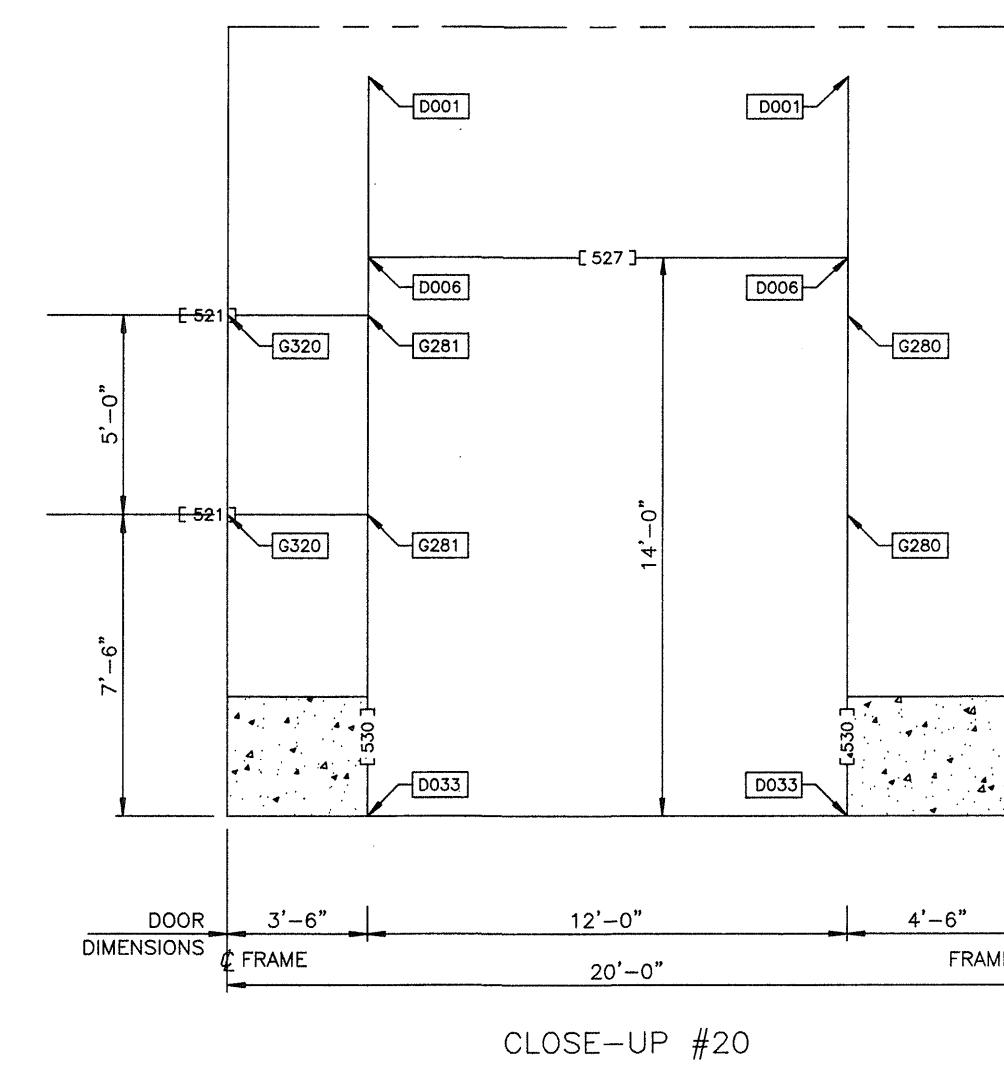
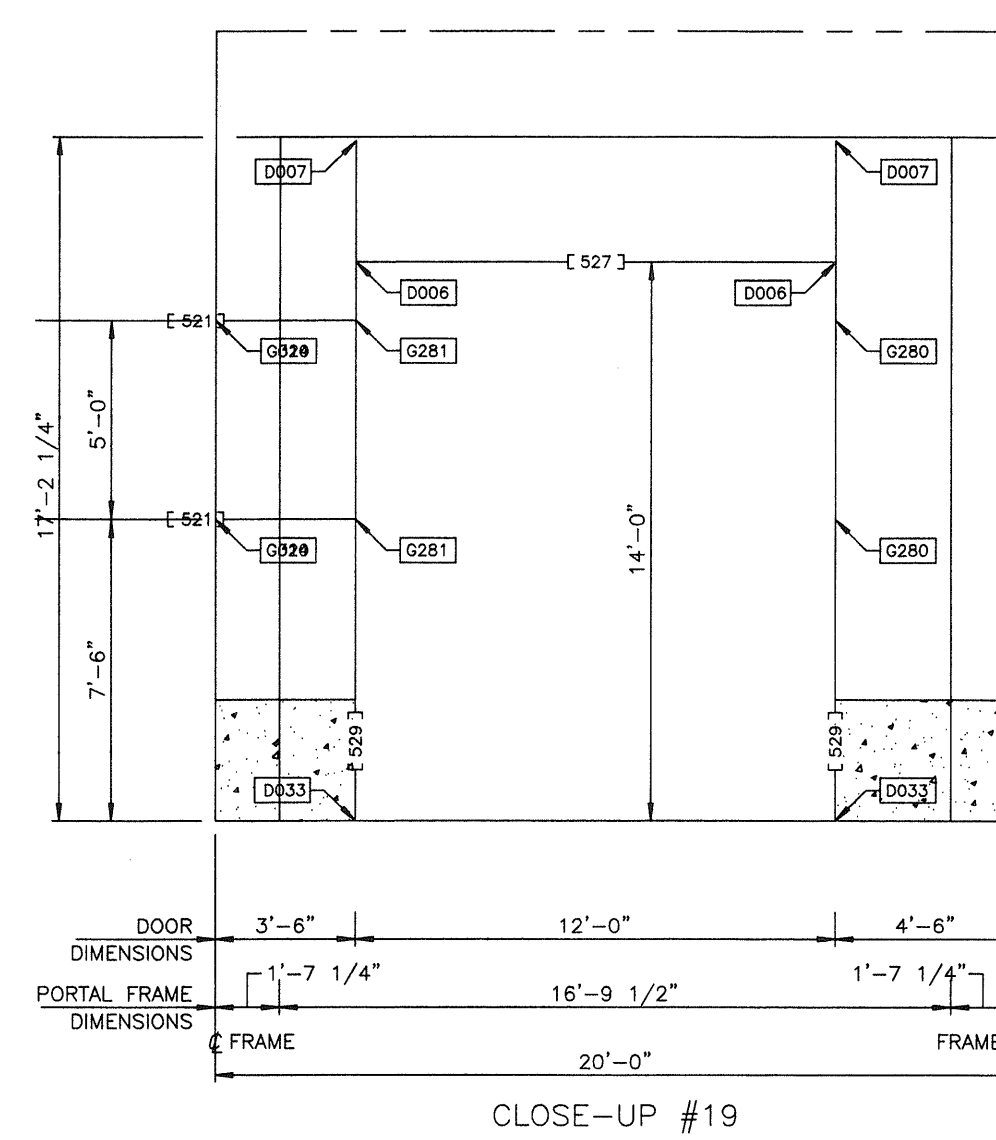
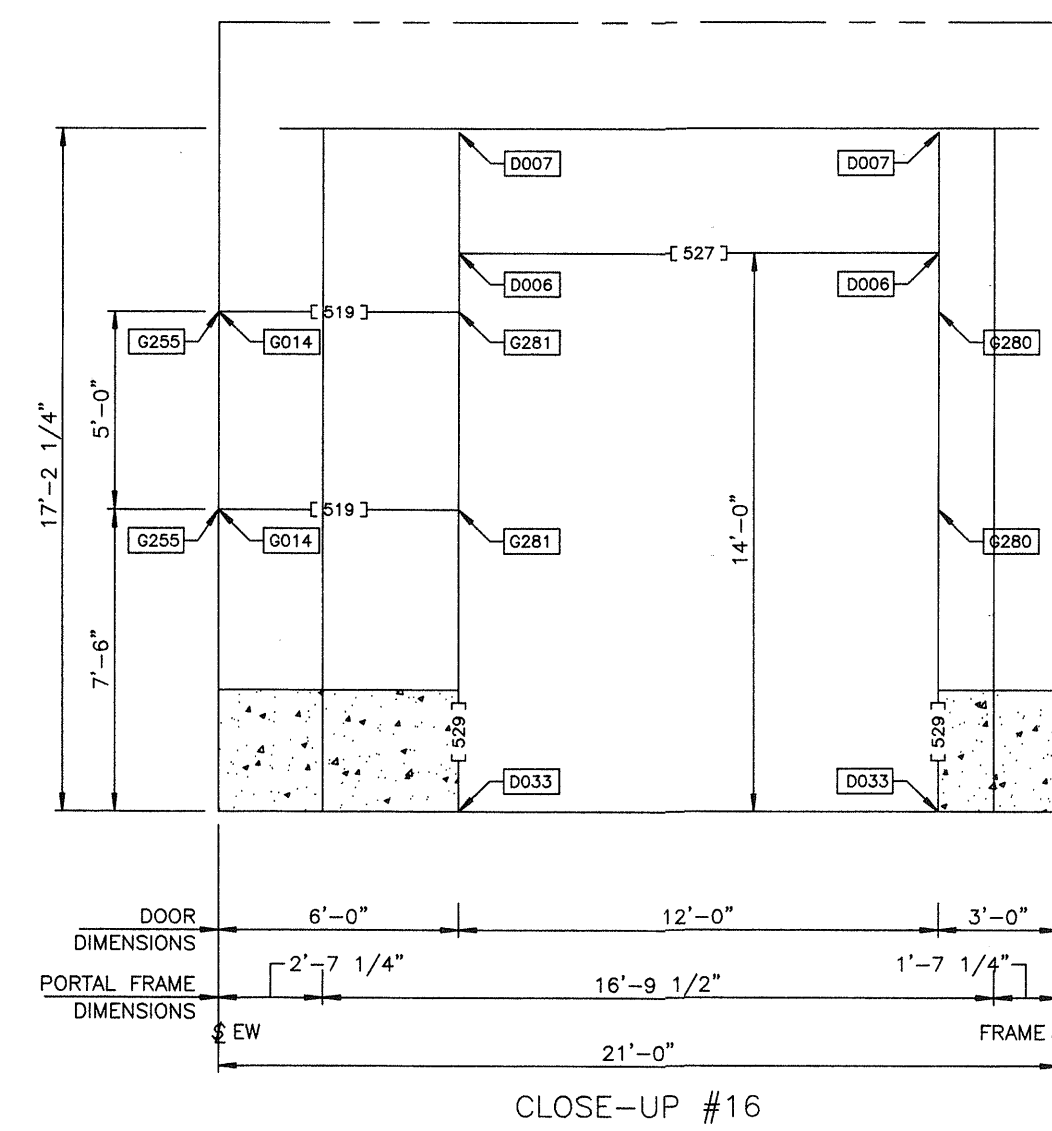
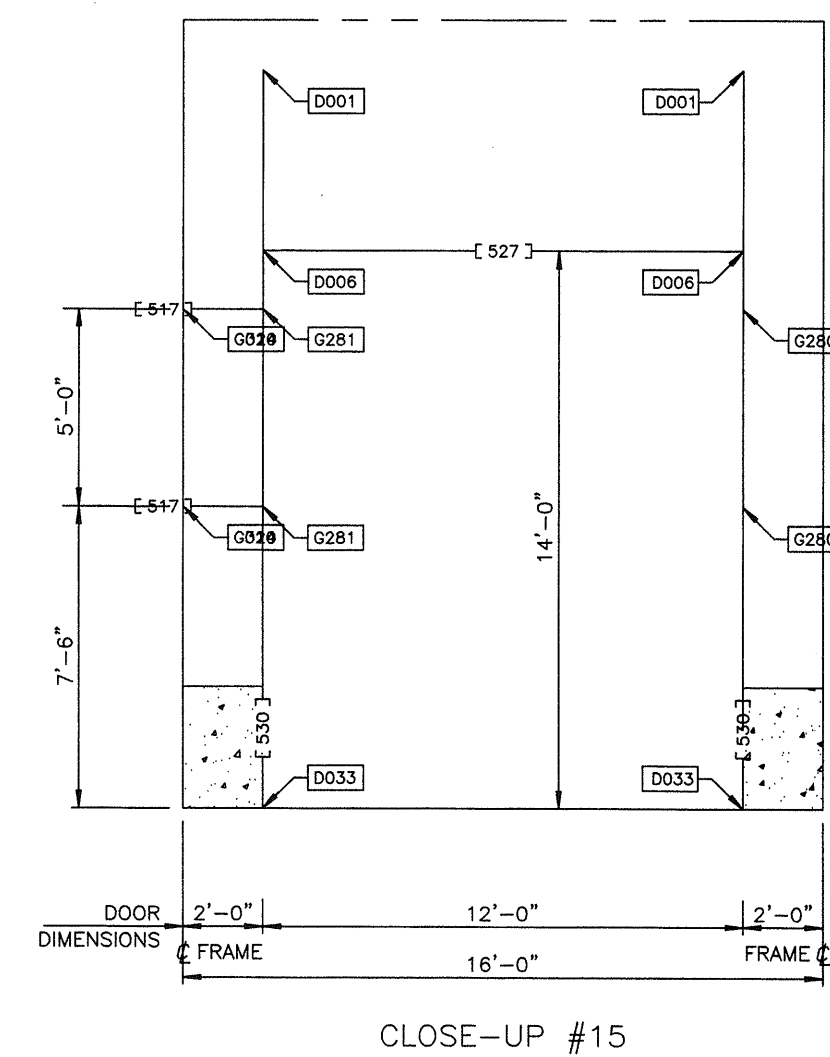
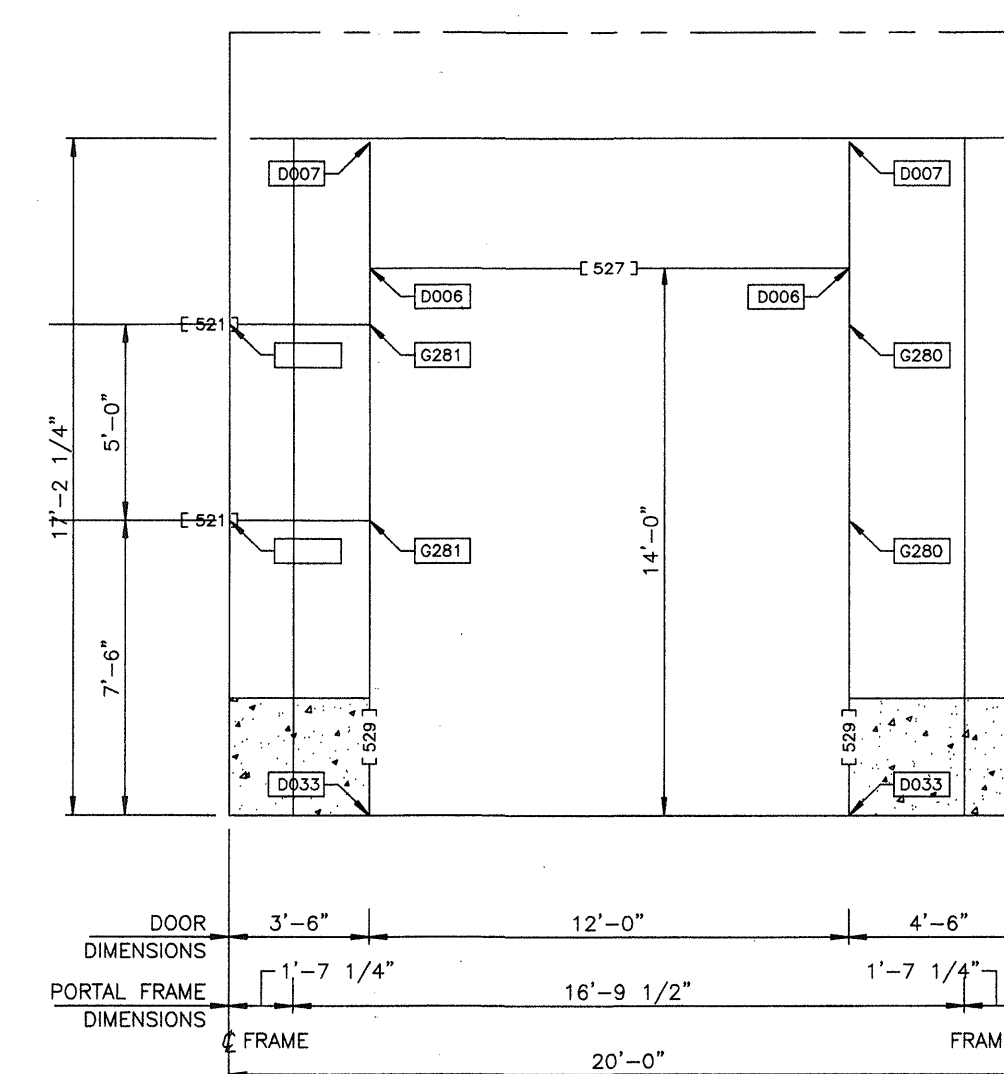
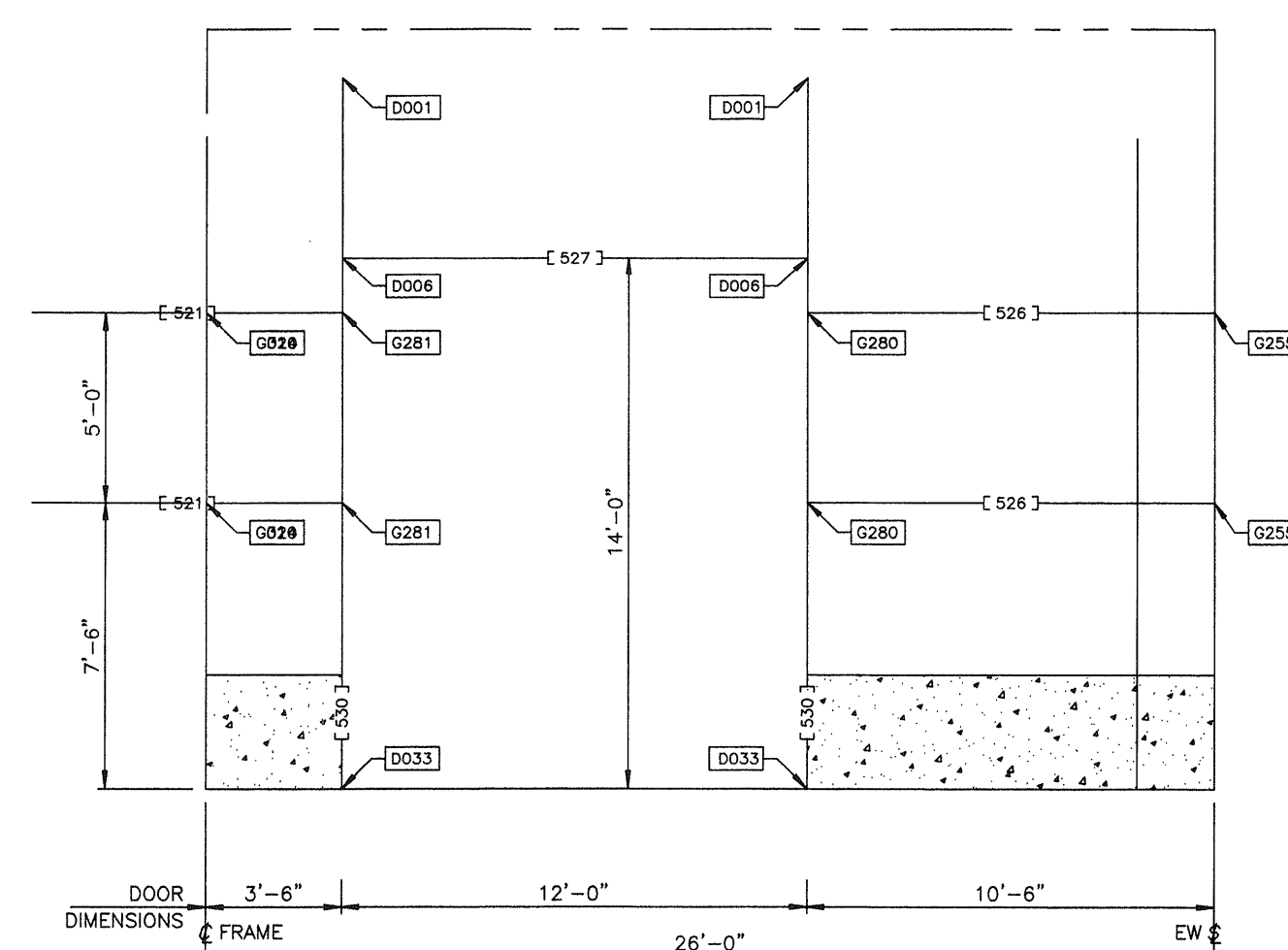
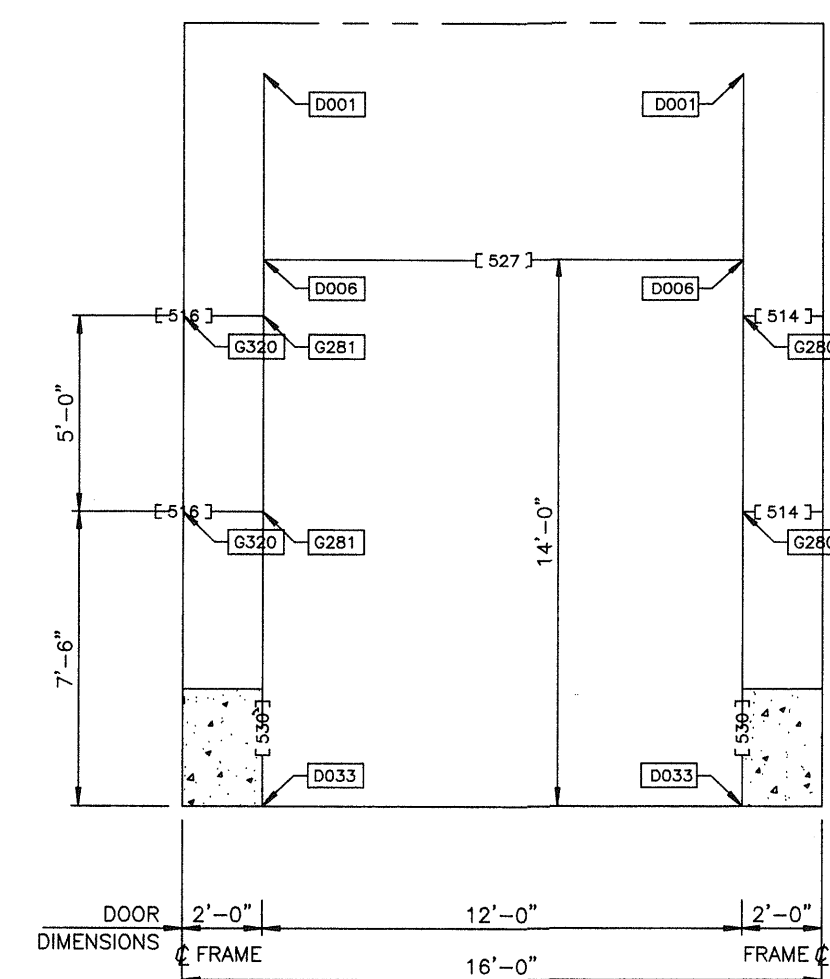
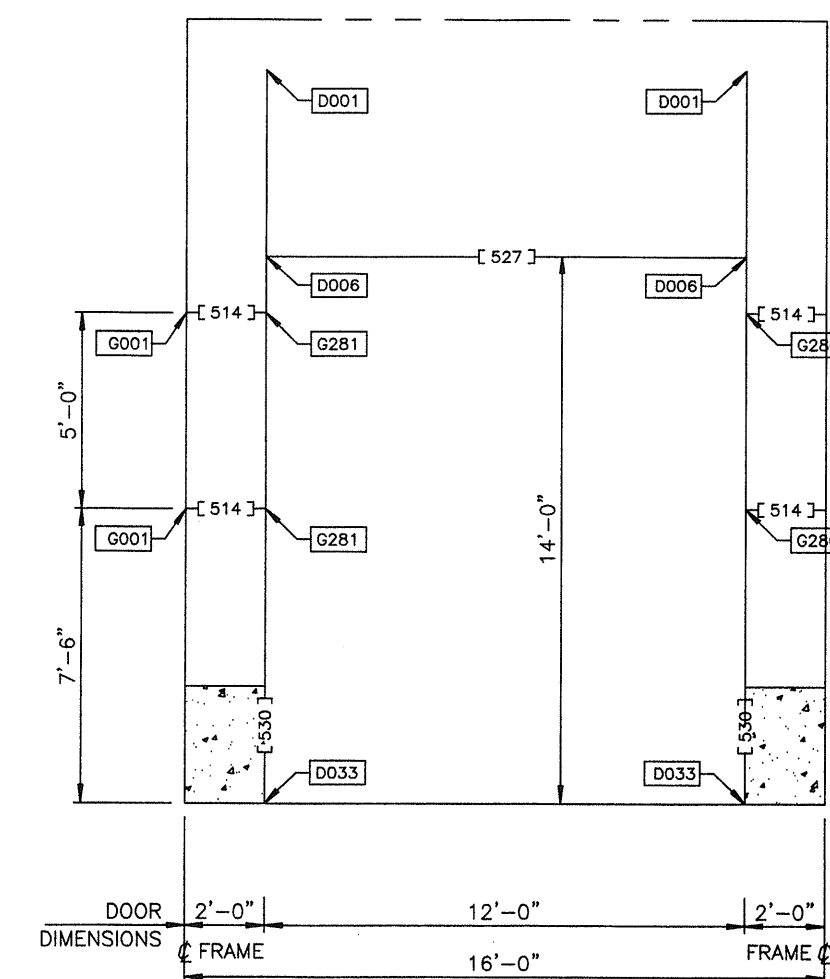
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PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
515	DR GRT UP 8 X .060	550317 024-6	2'-0 3/4"	
516	DR GRT UP 8 X .060	550317 038-0	3'-2"	
518	DR GRT UP 8 X .060	550317 056-0	4'-8"	
519	DR GRT UP 8 X .060	550317 066-6	5'-6 3/4"	
521	DR GRT UP 8 X .060	550317 086-0	7'-2"	
523	DR GRT UP 8 X .060	550317 102-6	8'-6 3/4"	
525	DR GRT UP 8 X .060	550317 114-6	9'-6 3/4"	
527	DOOR HEADER 12IN	580387 143-4	11'-11 1/2"	
528	DOOR POST .062X12	580703 205-0	17'-1"	
530	DOOR POST .062X12	580703 223-4	18'-7 1/2"	



REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE PROVO ORDER ENGINEERING SYSTEM	BUILDER: DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	PROJECT: CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	BUILDING ORDER DESCRIPTION: 110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	DRAWING TITLE: DOOR DETAIL DRAWING	DRW: ADNEWELL		ENG:	
DATE: 2/17/06	General Revision	DATE:								CHK:		DATE: 01/25/06	
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:		REV.	
CHECKED BY:		CHECKED BY:								D 06-136734-05C		01	



PART SCHEDULE				
[]	PART NAME	PART NUMBER	PART LENGTH	FIELD WORK ▲
514	DR GRT UP 8 X .060	550317 018-B	1'-6" 3/4"	
516	DR GRT UP 8 X .060	550317 038-0	3'-2"	
517	DR GRT UP 8 X .060	550317 050-0	4'-2"	
519	DR GRT UP 8 X .060	550317 066-6	5'-6" 3/4"	
520	DR GRT UP 8 X .060	550317 074-0	6'-2"	
521	DR GRT UP 8 X .060	550317 080-0	7'-2"	
522	DR GRT UP 8 X .060	550317 096-B	8'-0" 3/4"	
524	DR GRT UP 8 X .060	550317 108-6	9'-0" 3/4"	
526	DR GRT UP 8 X .060	550317 120-6	10'-0" 3/4"	
527	DOOR HEADER 12IN	580387 143-4	11'-1" 1/2"	
528	DOOR HEADER 12IN	580387 164	11'-1" 1/2"	
529	DOOR POST .062X12	580703 205-0	17'-1"	
530	DOOR POST .062X12	580703 223-4	18'-7" 1/2"	

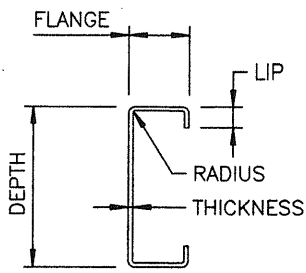
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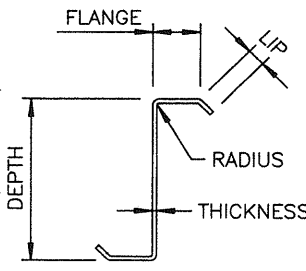
REVISION NO. 1		REVISION NO. 2		 BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	 PRODUCT OF THE ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:	
DATE: 2/17/06	General Revision	DATE:					CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	DOOR DETAIL DRAWING	CHK:	DATE: 01/25/06	
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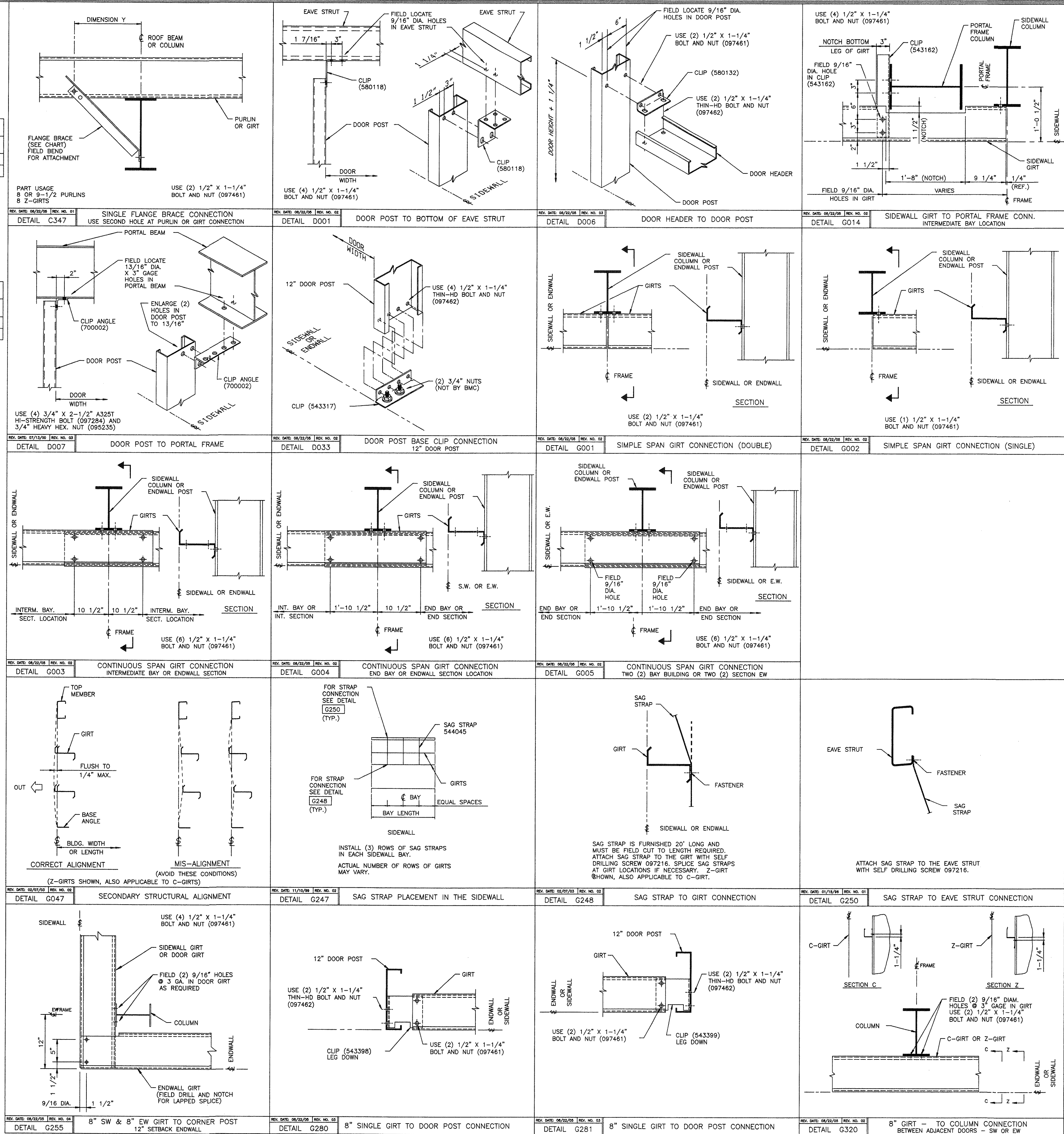
C - SECTION DESIGN INFORMATION

PART	DEPTH	FLANGE	LIP	THICKNESS	RADIUS
DOOR HEADER 12IN 580387	1'-0"	3 1/2"	13/16"	.062"	9/32"
DOOR POST .062X12 580703	1'-0"	3 1/2"	13/16"	.062"	9/32"



Z - SECTION DESIGN INFORMATION

PART	DEPTH	FLANGE	LIP	THICKNESS	RADIUS
DR CRT UP 8 X .060 550317	8"	2 5/8"	3/4"	.060"	1/8"
P/G P 8X.060 2CP 530889	8"	2 5/8"	3/4"	.060"	1/4"



REVISION NO. 1		REVISION NO. 2		BUTLER BUTLER MANUFACTURING COMPANY GENERAL OFFICES-KANSAS CITY, MISSOURI	PRODUCT OF THE PROVO ORDER ENGINEERING SYSTEM	BUILDER:	PROJECT:	BUILDING ORDER DESCRIPTION:	DRAWING TITLE:	DRW: ADNEWELL	ENG:
DATE: 2/17/06	General Revision	DATE:				DIEDE CONSTRUCTION, INC WOODBRIDGE, CA	CITY OF SAN JOSE CENTRAL SERVICES BUILDING F SAN JOSE, CA	110X309X20 MRF 20# LL + 6#CLL 70 MPH EXP B CBC 01 ZONE 4 Na=1 Nv=1.2	WALL SECONDARY STRUCTURAL ELEVATION DETAIL SHEET	CHK:	DATE: 01/25/06
DRAWN BY: adnewell		DRAWN BY:								DRAWING NUMBER:	REV.
CHECKED BY:		CHECKED BY:								D06-136734-05E	01

ABBREVIATIONS	
AD	ACCESS DOOR (IN DUCT OR EQUIPMENT)
AFF	ABOVE FINISHED FLOOR
CD	CEILING DIFFUSER
CFM	CUBIC FEET OF AIR PER MINUTE
CONT.	CONTINUOUSLY
DN	DOWN
EA	EXHAUST AIR
EG	EXHAUST GRILLE
EXIST	EXISTING
FC	FLEXIBLE CONNECTION
FPM	FEET PER MINUTE
GALV	GALVANIZED
HP	HORSE POWER
LVR	LOUVER
MAX	MAXIMUM
MD	MANUAL DAMPER
MFR	MANUFACTURER
MIN	MINIMUM
NC	NORMALLY CLOSED
NTS	NOT TO SCALE
NO	NORMALLY OPEN
OA	OUTSIDE AIR
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
RG	RETURN GRILLE
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SP	STATIC PRESSURE
T	THERMOSTAT
THRU	THROUGH
TYP	TYPICAL
CBC	CALIFORNIA BUILDING CODE
CMC	CALIFORNIA MECHANICAL CODE
CPIC	CALIFORNIA PLUMBING CODE
VENT	VENTILATE; VENTILATION; VENTILATOR
VD	VOLUME DAMPER

GENERAL SYMBOLS	
	DETAIL 1 / SHEET M1
	SECTION 1 / SHEET M1
	EQUIPMENT MARK NO. M-1 / SEE EQUIPMENT SCHEDULE
	BALANCE DAMPER OR VOLUME DAMPER
	ROUND DUCT INDICATOR
CFM	CUBIC FEET PER MINUTE
$\frac{6" \text{ CD}-1}{100}$	DIFFUSER OR GRILLE'S NECK SIZE, MARK NUMBER AMOUNT OF AIR (CFM) DESIGNED FOR
	CONNECTION TO EXISTING
	DIRECTION OF FLOW
	SHEET NOTE

GENERAL NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC ONLY. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BEFORE STARTING ANY WORK. THE CONTRACTOR SHALL PROVIDE ANY PIPING OR DUCT OFFSETS AS NECESSARY TO FIT WORK INTO THE SPACE PROVIDED.
2. THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL AND OTHER DRAWINGS RELATED TO THIS PROJECT FOR COORDINATION WITH THE OTHER TRADES.
3. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT TO COMPLETE THE WORK AS SET FORTH IN THESE PLANS UNLESS OTHERWISE NOTED. VOLUME DAMPERS SHALL BE PROVIDED AT EACH INDIVIDUAL BRANCH DUCT SERVING AN AIR OUTLET AND AIR INLET AS NEEDED TO PROVIDE THE REQUIRED AIR BALANCING.
4. THE MECHANICAL SYSTEM SHALL CONSIST OF ALL WORK SHOWN ON THE DRAWINGS, INCLUDING PLANS, DIAGRAMS, DETAILS, ETC, AND ALL WORK AS IDENTIFIED IN THE SPECIFICATIONS. WORK INCLUDES FURNISHING, INSTALLING, SYSTEM INTEGRATION, TESTING, TRAINING AND WARRANTY OF THE MECHANICAL SYSTEMS AS SHOWN AND SPECIFIED. PROVIDE A COMPLETE AND OPERABLE MECHANICAL SYSTEM WITH ALL MECHANICAL AND CONTROL WORK AS REQUIRED FOR SYSTEMS TO FUNCTION IN ACCORDANCE WITH DESIGN INTENT.
5. CONTRACTOR SHALL VERIFY ALL SYSTEM AND PERFORMANCE REQUIREMENTS TO ASSURE THAT THE SYSTEM WILL OPERATE AS SPECIFIED AND INTENDED.
6. COORDINATE ALL REQUIRED ELECTRICAL POWER, MOTOR STARTERS, LOCAL ON/OFF CONTROL AND CONTROL INTER-FACE AND CONNECTIONS AS REQUIRED FOR SYSTEM OPERATION IN ACCORDANCE WITH DESIGN INTENT.
7. ALL MAJOR COMPONENTS SHALL BE PROVIDED WITH LABELING AND TAGGING IDENTIFICATION. REFER TO PROJECT SPECIFICATION FOR LABELING AND TAGGING REQUIREMENTS.
8. DUCT SUPPORT METHOD MUST COMPLY WITH CHAPTER 6, TABLE 6-5 AND 6-6 AND APPENDIX A TABLE 6-2-A THROUGH 6-2-C IN 2001 CALIFORNIA MECHANICAL CODE.
9. DUCTWORK CONSTRUCTION AND METHOD OF CONNECTION MUST COMPLY WITH CHAPTER 6 TABLE 6-1 AND 6-2. ALSO, APPENDIX A TABLE 6-2-D THROUGH 6-2-Q IN 2001 CALIFORNIA MECHANICAL CODE
10. COORDINATE SPACE REQUIRED FOR DELIVERY AND STORAGE OF MATERIAL AND EQUIPMENT WITH THE OWNER. COORDINATE MATERIAL AND EQUIPMENT DELIVERY SCHEDULES WITH THE OWNER.
11. THIS SET OF CONSTRUCTION DRAWINGS HAS BEEN PREPARED FOR THE SOLE USE OF O.C. McDONALD.

SINGLE LINE	DUCT SYMBOLS
	18" ROUND DUCT
	RISE IN DIRECTION OR ARROW, ROUND DUCT.
	ROUND DUCT ELBOW: R/D=1.5 MIN.
	90° STRAIGHT TEE FITTING
	90° CONICAL TEE FITTING
	45° LATERAL FITTING
	45° CONICAL LATERAL FITTING
	FLEXIBLE DUCT (SHOWN W/DIFFUSER)
	Y-FITTING
	FIRST DIMENSION DENOTES VIEW SHOWN: RECT. OR OVAL
	RISE IN DIRECTION OF ARROW, RECT. DUCT.
	TRANSITION, 18" MIN. LENGTH, 15" MAX. EACH SIDE ROUND OR RECTANGULAR
	DUCT LINING, LIMIT AS SHOWN. DIMENSIONS ARE NET OUTSIDE.
	RECTANGULAR TO ROUND TRANSITION
	90° ELL W/TURNING VANES
	45° HEEL TAKE-OFF FITTING, RECT.
	CONICAL OR FLARED SPIN-IN OR CONICAL TAP
	SUPPLY DUCT TURNING TOWARD
	SUPPLY DUCT TURNING AWAY
	RETURN DUCT TURNING TOWARD
	RETURN DUCT TURNING AWAY
	EXHAUST DUCT TURNING TOWARD
	EXHAUST DUCT TURNING AWAY
	ROUND DUCT TURNING TOWARD
	ROUND DUCT TURNING AWAY
	DUCT VOLUME DAMPER, MULTI-BLADE
	SUPPLY GRILLE
	RETURN OR EXHAUST GRILLE
	SCREENED EXHAUST OPENING
	AIR LOW DIRECTION THRU DOOR GRILLE OR UNDERCUT
	DUCT ACCESS DOORS
	THERMOSTAT LINE, CONTROL LINE
	SQUARE SUPPLY AIR DIFFUSER 4-WAY THROW
	SQUARE SUPPLY AIR DIFFUSER 3-WAY THROW
	SQUARE SUPPLY AIR DIFFUSER 2-WAY THROW
	RETURN GRILLE
	EXHAUST GRILLE

DRAWING INDEX	
DWG NO.	DESCRIPTION
MO.1	MECHANICAL SYMBOLS, NOTES, AND DRAWING INDEX
MB0.2	MECHANICAL EQUIPMENT SCHEDULES – BUILDING B
MF0.2	MECHANICAL EQUIPMENT SCHEDULES – BUILDING F
MG0.2	MECHANICAL EQUIPMENT SCHEDULES – BUILDING G
MB2.0	MECHANICAL DEMOLITION PLAN – BUILDING B
MB2.1	MECHANICAL FLOOR PLAN – BUILDING B
MB2.2	MECHANICAL ROOF PLAN – BUILDING B
MF2.1	MECHANICAL FLOOR PLAN – BUILDING F
MF2.2	MECHANICAL ROOF PLAN – BUILDING F
MG2.1	MECHANICAL FLOOR PLAN – BUILDING G
MG2.2	MECHANICAL ROOF PLAN – BUILDING G
M4.1	MECHANICAL SECTIONS
M4.2	MECHANICAL SECTIONS
M4.3	MECHANICAL SECTIONS
M5.1	MECHANICAL AIR FLOW/CONTROL DIAGRAMS – BLDG B
M5.2	MECHANICAL AIR FLOW/CONTROL DIAGRAMS – BLDG F
M5.3	MECHANICAL AIR FLOW/CONTROL DIAGRAMS – BLDG F
M5.4	MECHANICAL AIR FLOW/CONTROL DIAGRAMS – BLDG G
M5.5	MECHANICAL AIR FLOW/CONTROL DIAGRAMS – BLDG G
M5.6	MECHANICAL AIR FLOW/CONTROL DIAGRAMS – BLDG G
M6.1	MECHANICAL DETAILS
M6.2	MECHANICAL DETAILS

CONSULTANT:



CITY OF
SAN JOSE
CAPITAL OF SILICON VALLEY

**DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
2000 E. SANTA CLARA STREET
SAN JOSE, CA 95113
PROJECT MANAGER: MARY FOLLENWEIDER**

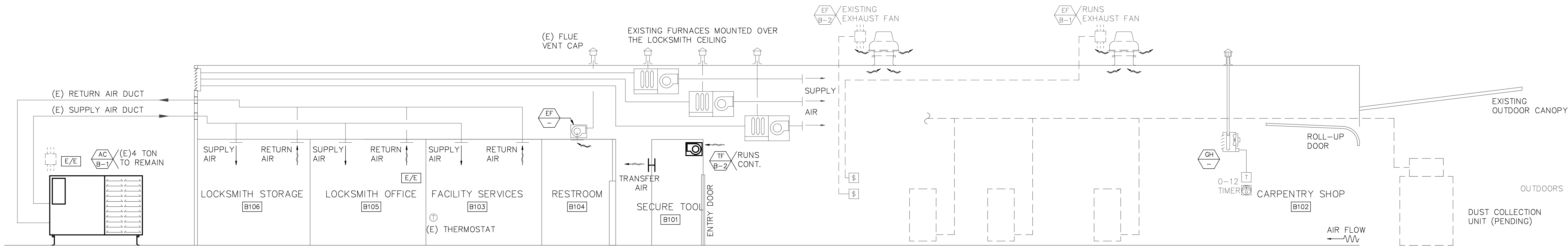
Q.C.McDONALD CO., INC.

Sole Contractor's License #17271

P.O. BOX 26560 SAN JOSE, CALIFORNIA 95159-4560
PHONE (408)295-2182
11150 W. SAN CARLOS STREET
FAX # (408)295-0626

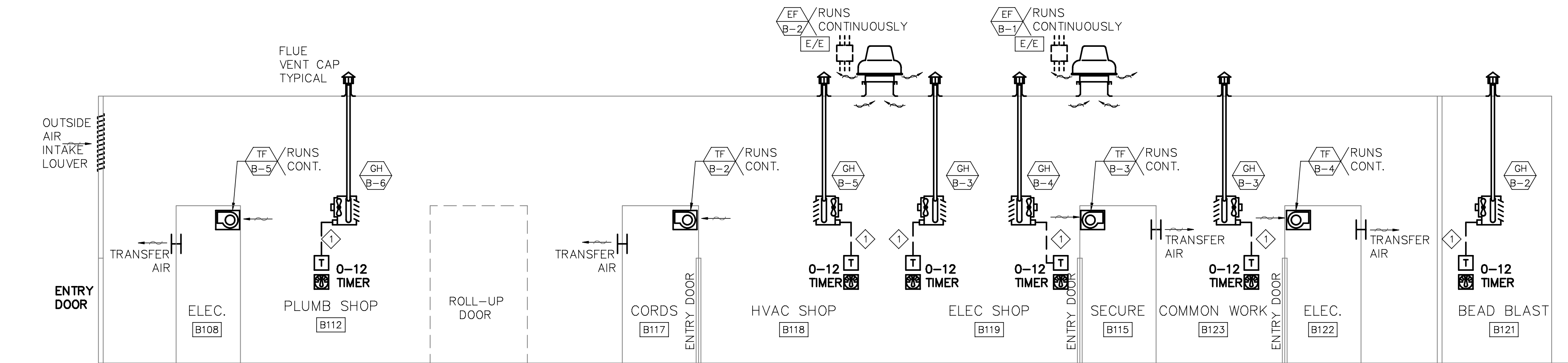
**DRAWING TITLE:
SYMBOLS, NOTES,
DRAWING INDEX**

M0.1



NOTE: ALL EXISTING AIR CONDITIONING SYSTEM INCLUDING DUCT, DIFFUSERS, AC UNIT, AIR BALANCE AND EXHAUST FAN TO REMAIN AS-IS. NO MECHANICAL WORK IS PROVIDED - DIAGRAM SHOWN FOR INFORMATION ONLY.

1 LOCKSMITH/FACILITIES SERVICES CONTROL DIAGRAM
M5.1 NOT TO SCALE



DESCRIPTION OF OPERATION

AIR CONDITIONING UNIT AC-B1 (LOCKSMITH AREA)
EXISTING PACKAGED AIR CONDITIONING UNIT TO BE REUSED.
EXISTING THERMOSTAT TO REMAIN.
NO WALL MOUNTED HUMIDITY INDICATORS ARE PROVIDED FOR THIS BUILDING.

AIR CONDITIONING UNIT AC-B2 (NEW RESTROOMS / KITCHEN AREA)
EXISTING PACKAGED AIR CONDITIONING UNIT TO BE REUSED.
RELOCATE EXISTING WALL THERMOSTAT TO KITCHEN AREA.
NO WALL MOUNTED HUMIDITY INDICATORS ARE PROVIDED FOR THIS BUILDING.

EXISTING RESTROOM B104
EXISTING RESTROOM EXHAUST FAN TO REMAIN.

NEW RESTROOMS (MENS F126, WOMENS F127)
EACH RESTROOM EXHAUST FAN WILL BE INTERLOCKED WITH THE LOCAL MOTION DETECTOR

ELECTRICAL ROOMS B108, B112
FANS OPERATE CONTINUOUSLY TO VENTILATE THE ELECTRICAL ROOMS
NO ALARMS ARE PROVIDED.

EXISTING ROOFTOP EXHAUST FANS - CARPENTRY SHOP
EACH OF THE TWO FANS HAS AN EXISTING WALL SWITCH FOR INDIVIDUAL ON-OFF CONTROL OF THE FANS.

EXISTING CARPENTRY SHOP AREA FURNACES AND UNIT HEATER.
EXISTING FURNACES AND HEATER TO REMAIN AS EXISTING.

NEW ROOFTOP EXHAUST FANS (EF-B-1, B-2), SERVING HVAC/PLUMBING/ELECTRIC SHOP AREAS
FANS OPERATE CONTINUOUSLY TO VENTILATE THE SHOP AREAS.

NEW FORCED AIR HANGING FURNACES (GF-B-3, B-4, B-5, B-6)
HANGING FURNACE FANS ARE MANUALLY START-STOPPED FROM THEIR INDIVIDUAL LOCAL MANUAL DIAL-TYPE TIMER. EACH TIMER IS PROVIDED WITH A USER ADJUSTABLE TEMPERATURE SET-POINT CONTROLLER - NONE MERCURY TYPE. HEAT WILL CYCLE AS NEEDED - THE FAN WILL REMAIN ON BASED ON DIAL TIMER.

UNITS LARGER THAN 75,000 BTU WILL USE 2-STAGE HEATING.

TELECOM ROOM F129
PENDING TOTAL COOLING LOAD FOR SELECTION OF SPLIT SYSTEM AIR CONDITIONING UNIT.
PENDING METHOD OF BACK-UP VENTILATION SYSTEM.

SECURE TOOL B101, CORDS B117, SECURE B115
VENTILATION FANS OPERATE CONTINUOUSLY.

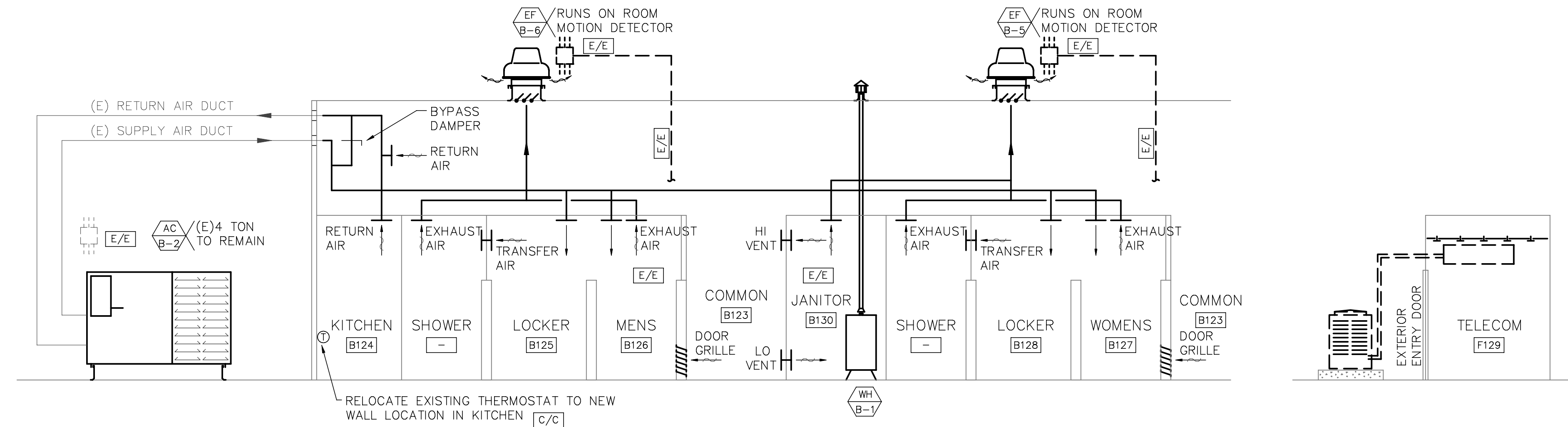
PAINT BOOTH AREA
PENDING PAINT BOOTH CRITERIA

DUST COLLECTION SYSTEM
PENDING TOOL LAYOUT

SHEET NOTES

◇ CONTROL WIRING FOR TIMER, THERMOSTAT AND RADIANT HEATER - BY CONTROLS CONTRACTOR [C/C]

3 ELECTRICAL/HVAC/PLUMBING AND BEAD BLAST SHOPS CONTROL DIAGRAM
M5.1 NOT TO SCALE

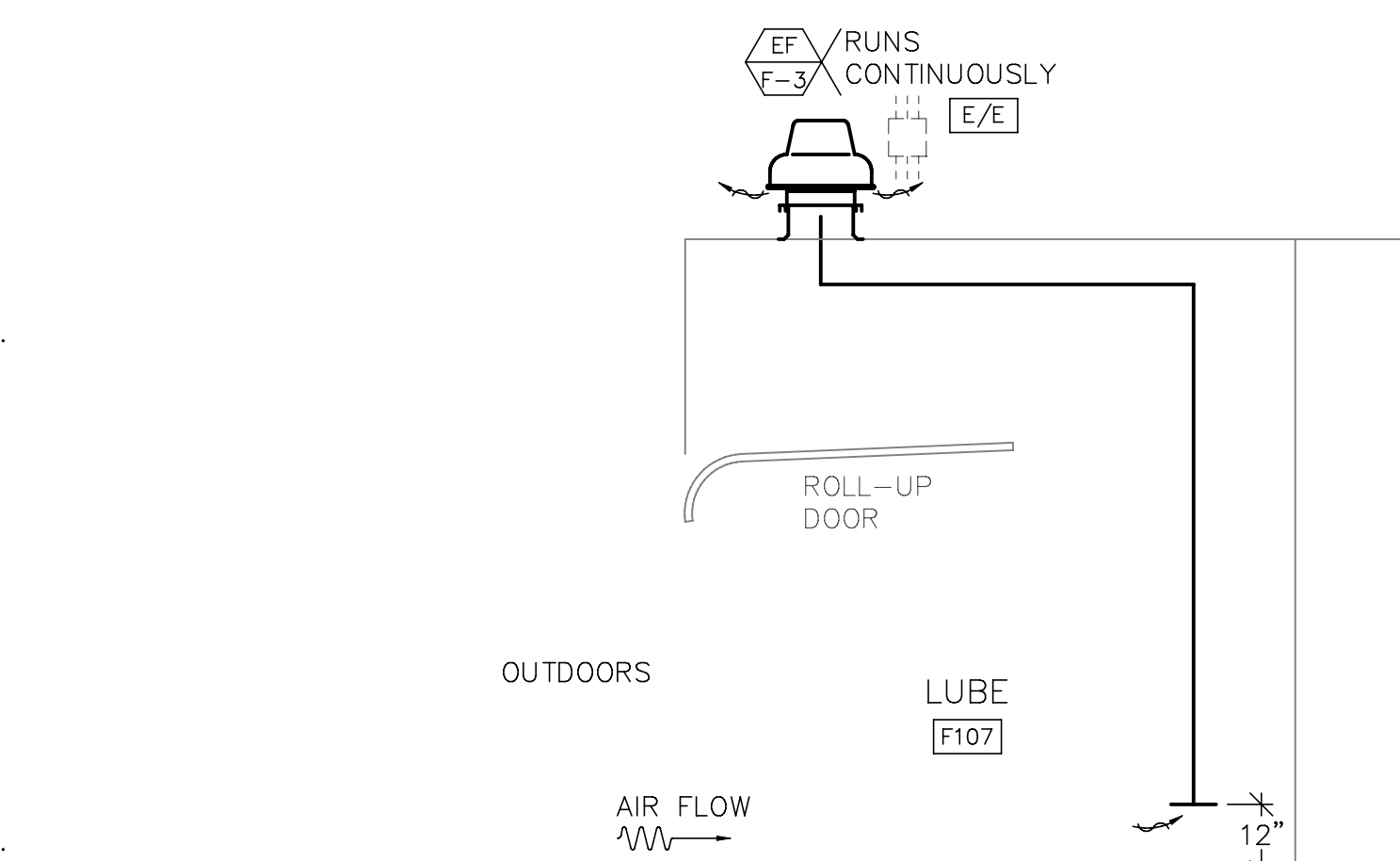


4 SHOWERS/LOCKER AND KITCHEN CONTROL DIAGRAM
M5.1 NOT TO SCALE

CONTROL LEGEND AND SYMBOLS

	PROVIDED BY	C= CONTROL CONTRACTOR
		E= ELECTRICAL CONTRACTOR
		M=MECHANICAL CONTRACTOR
	MOUNTED INTO PLACE BY	X= MANUFACTURER

ISSUED FOR: DATE:	PERMIT SET 24APR06
CONSULTANT:	
CENTRAL SERVICE YARD PHASE II PROJECT	
PROJECT ADDRESS: 1881 CENTER ROAD SAN JOSE, CALIFORNIA PROJECT NO. 884 DEPT FILE NO.	DEPARTMENT OF PUBLIC WORKS CITY FACILITIES ARCHITECTURAL SERVICES DIV. 200 E. SANTA CLARA STREET SAN JOSE, CA 95113 PROJECT MANAGER: MARY FOLLENWEIDER VOICE: (408) 255-5571 FAX: (408) 255-5258
 CITY OF SAN JOSE DEPARTMENT OF PUBLIC WORKS CITY FACILITIES ARCHITECTURAL SERVICES DIV. 200 E. SANTA CLARA STREET SAN JOSE, CA 95113 PROJECT MANAGER: MARY FOLLENWEIDER VOICE: (408) 255-5571 FAX: (408) 255-5258	
 D.C. McDONALD CO., INC. 1150 W. SAN CARLOS STREET SAN JOSE, CALIFORNIA 95128 P.O. BOX 26260 SAN JOSE, CALIFORNIA 95126 TEL: (408) 255-6800 FAX: (408) 255-6828	
 HENSEL PHELPS CONSTRUCTION CO. 10000 N. 10TH AVE., SUITE 100 DENVER, COLORADO 80231 (303) 440-1800 FAX: (303) 440-1855	
DRAWING TITLE: MECHANICAL AIR FLOW/CONTROL DIAGRAMS - BLDG B	
DRAWN BY: KD	
PROJECT # 200525.000	
SHEET NUMBER M5.1	

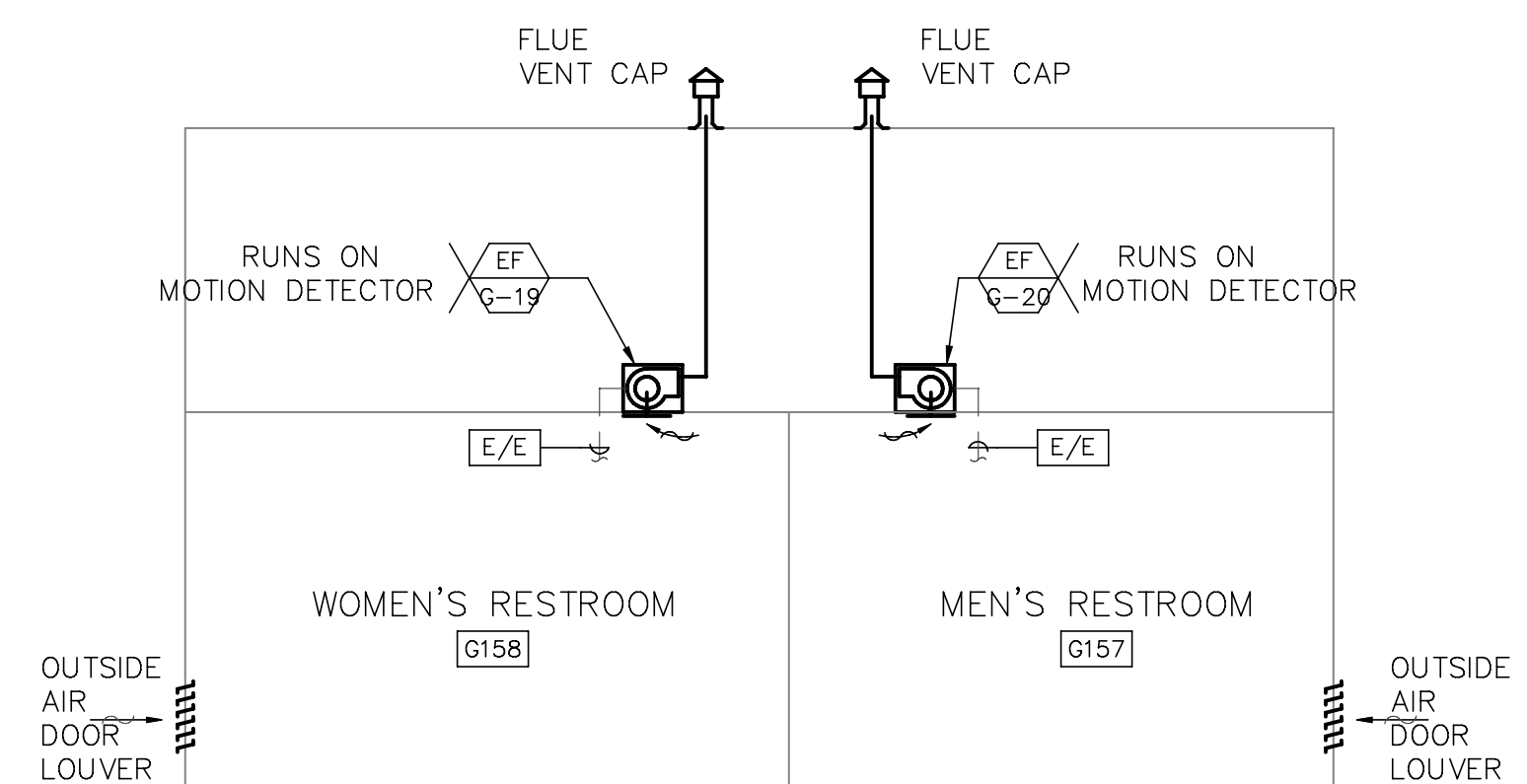
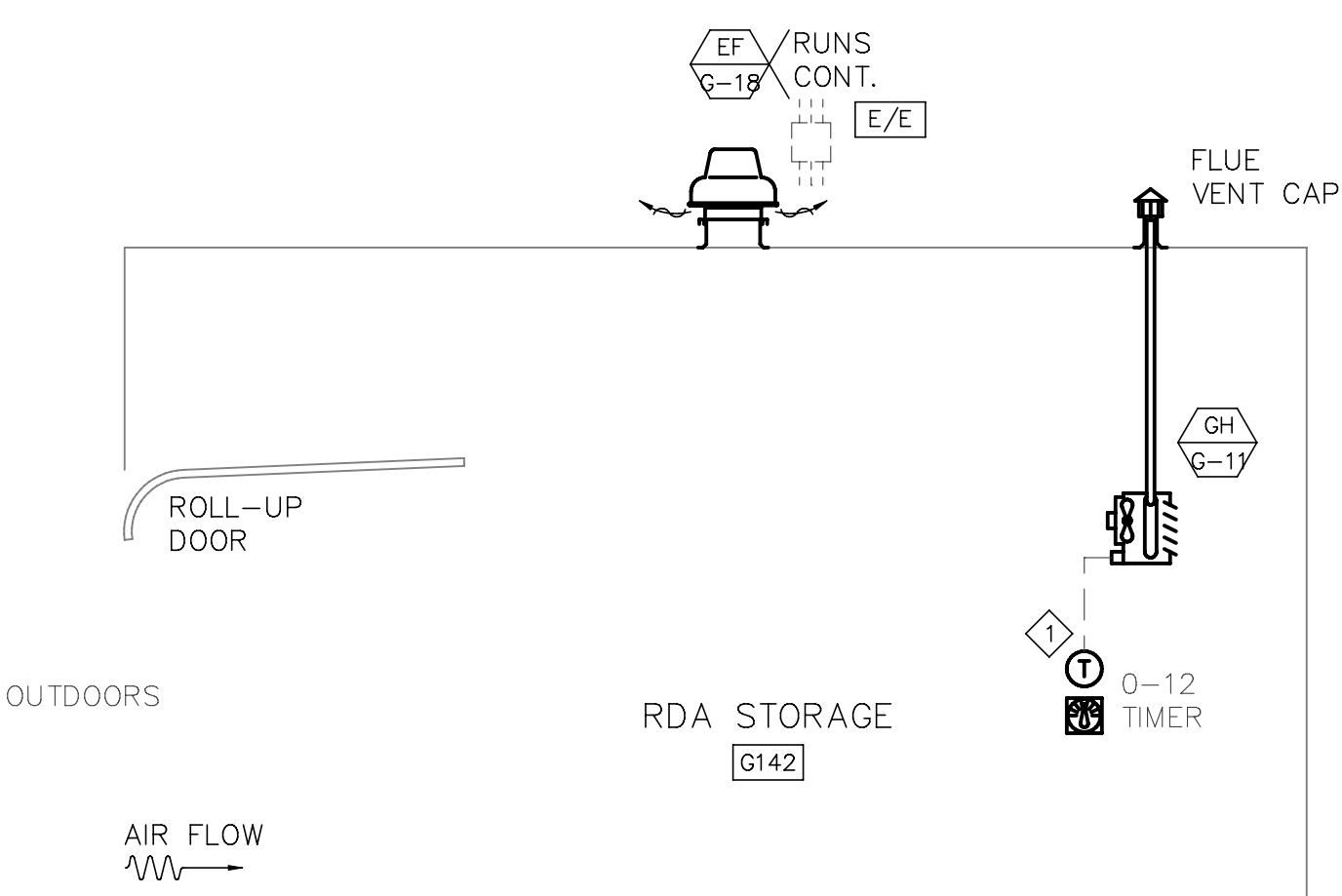
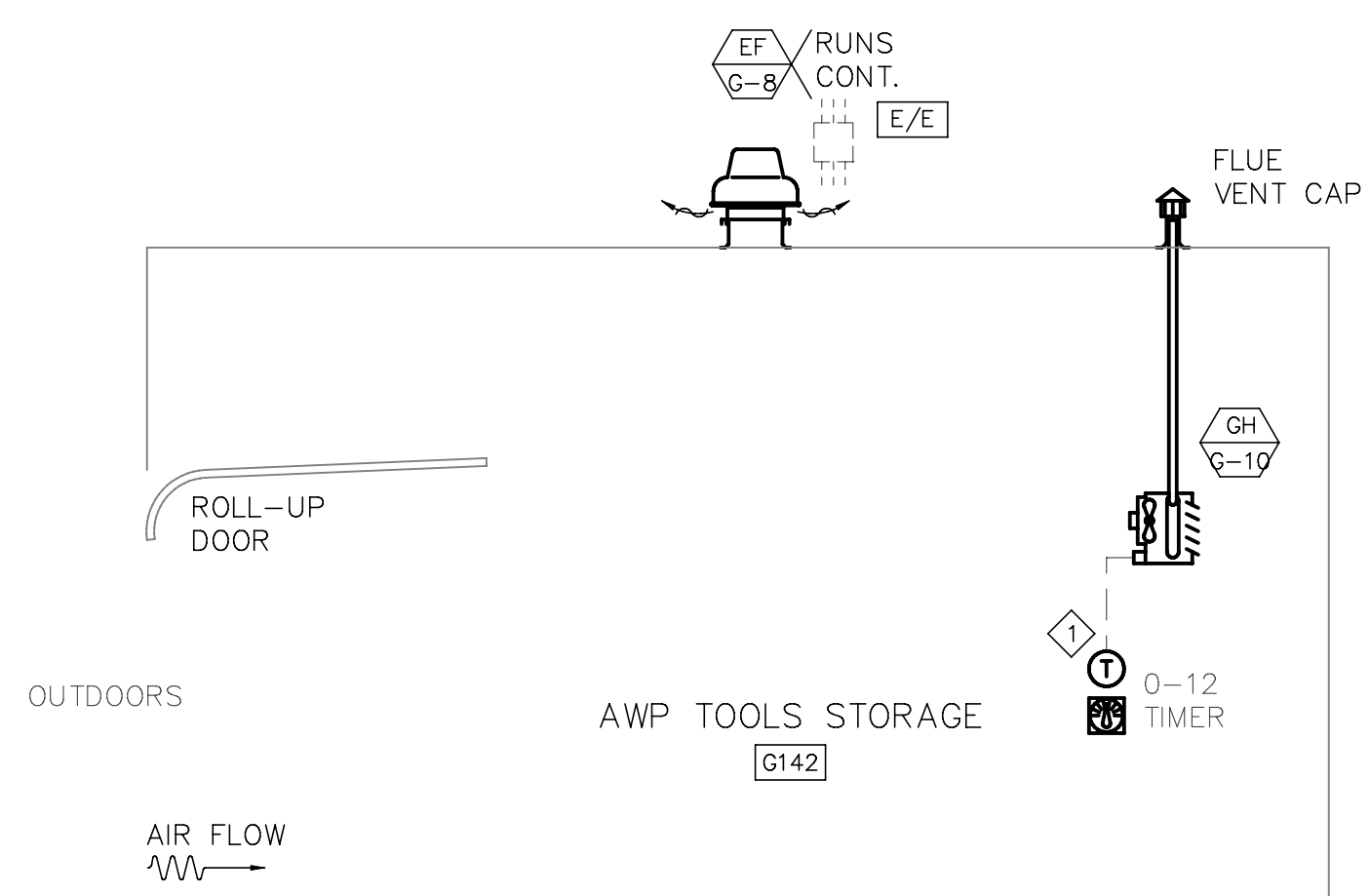
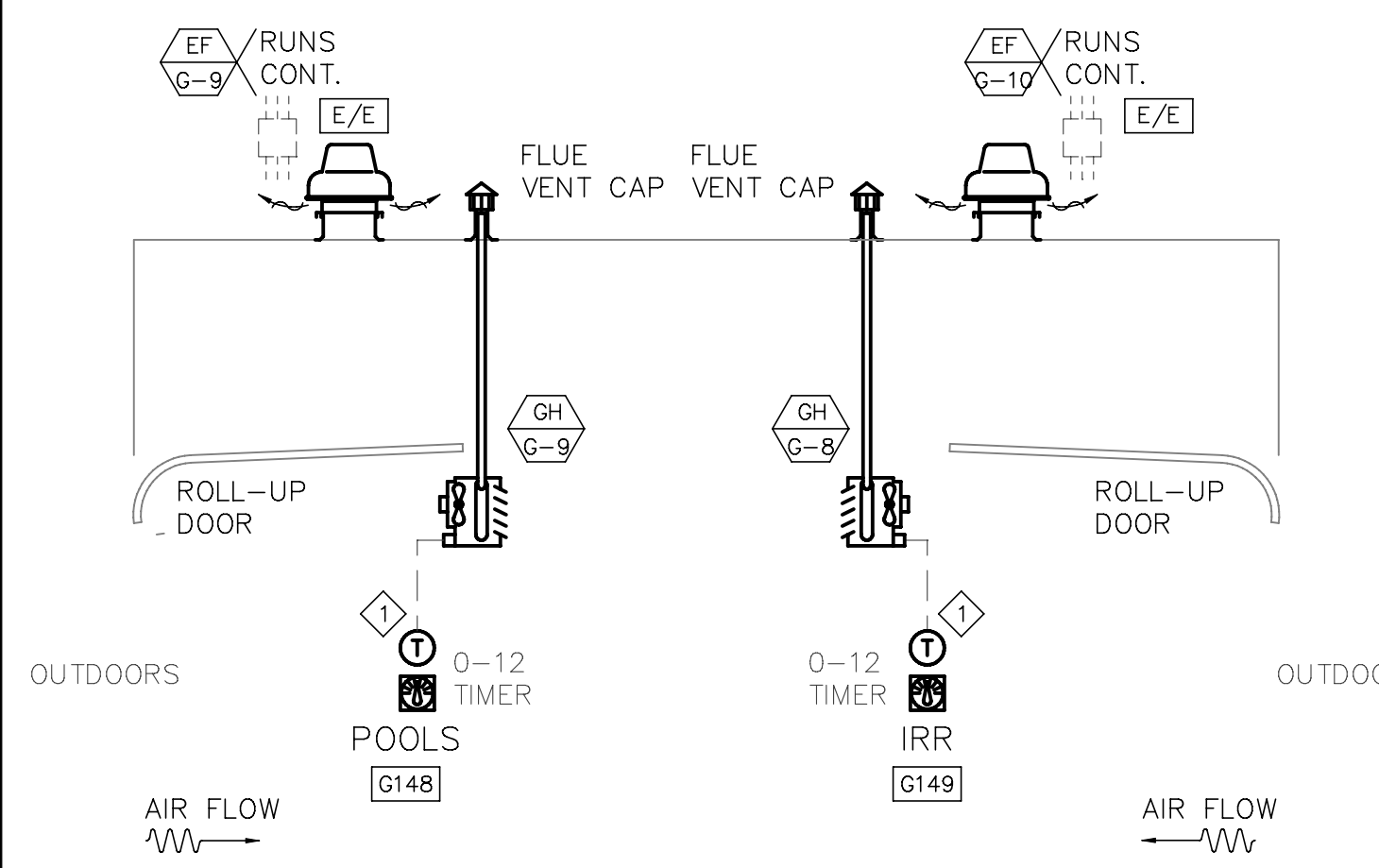
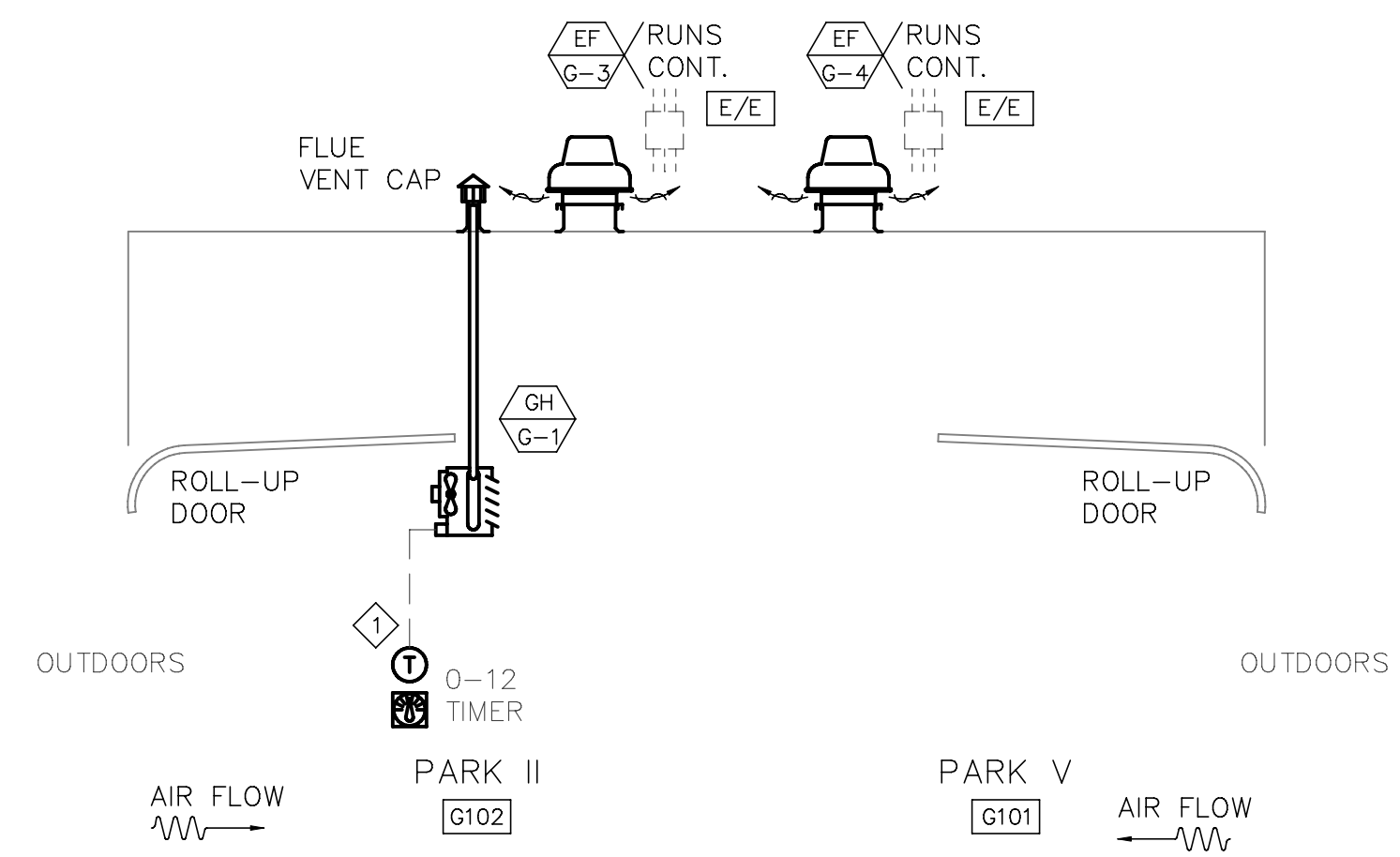
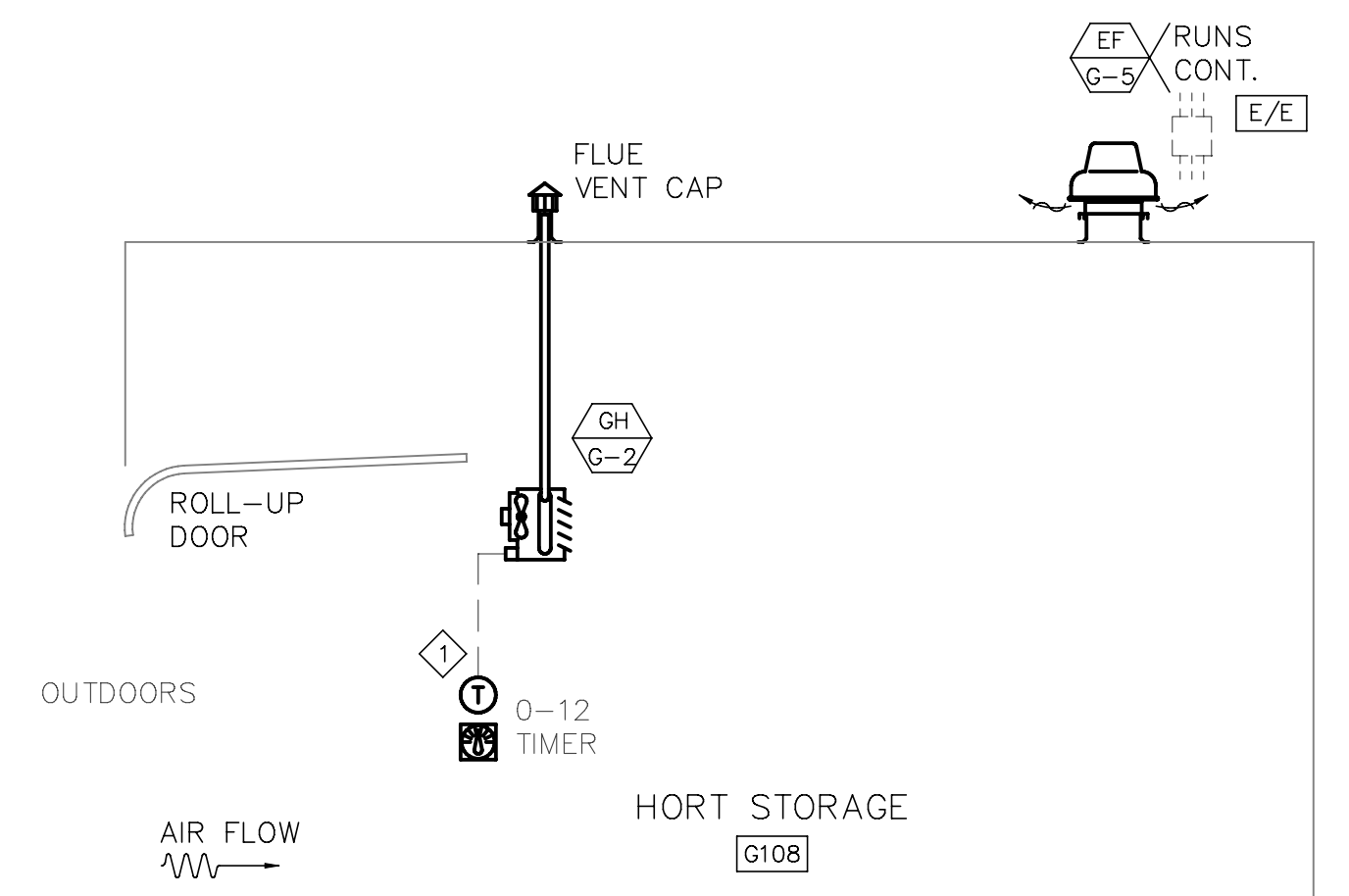
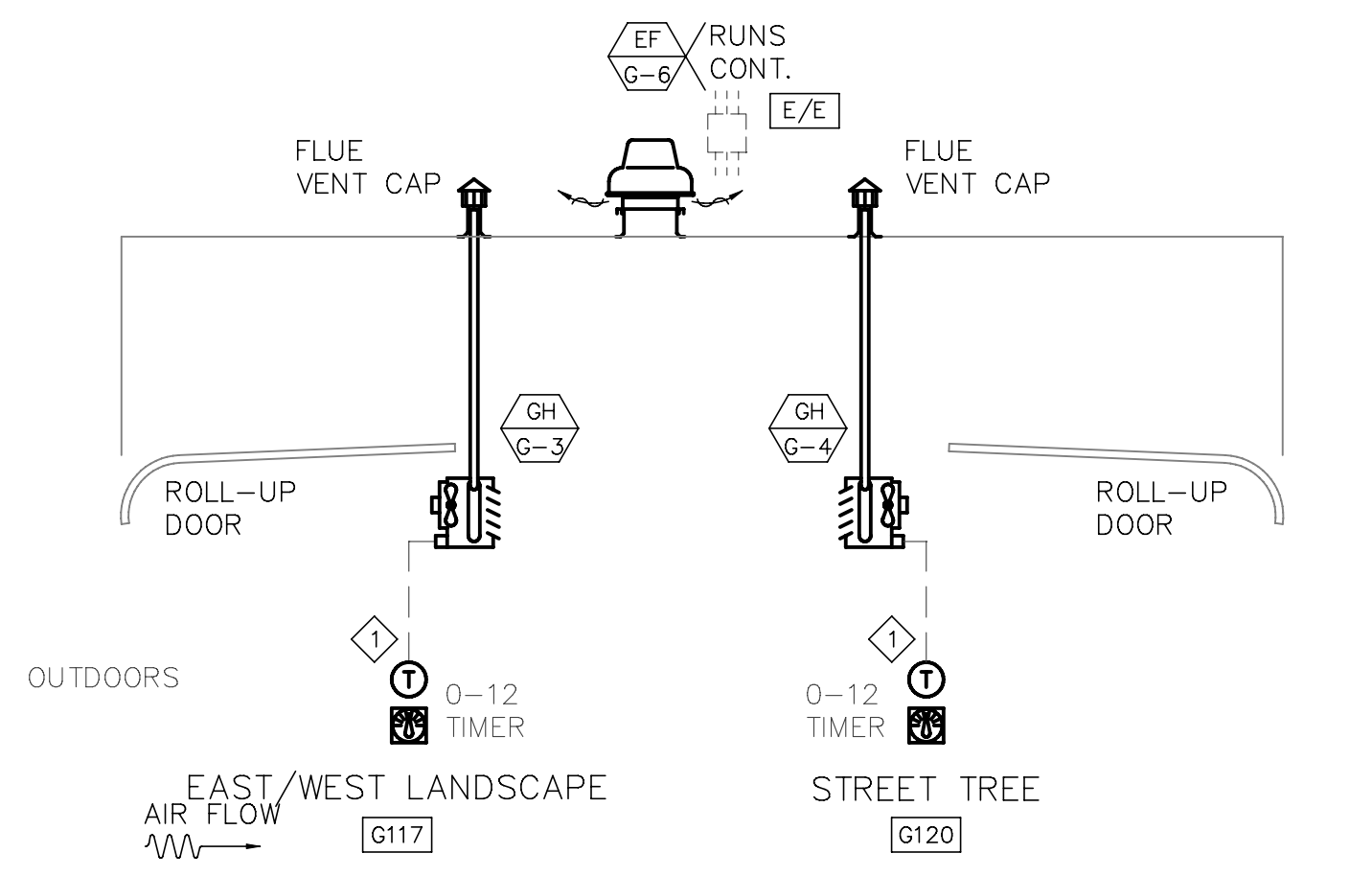
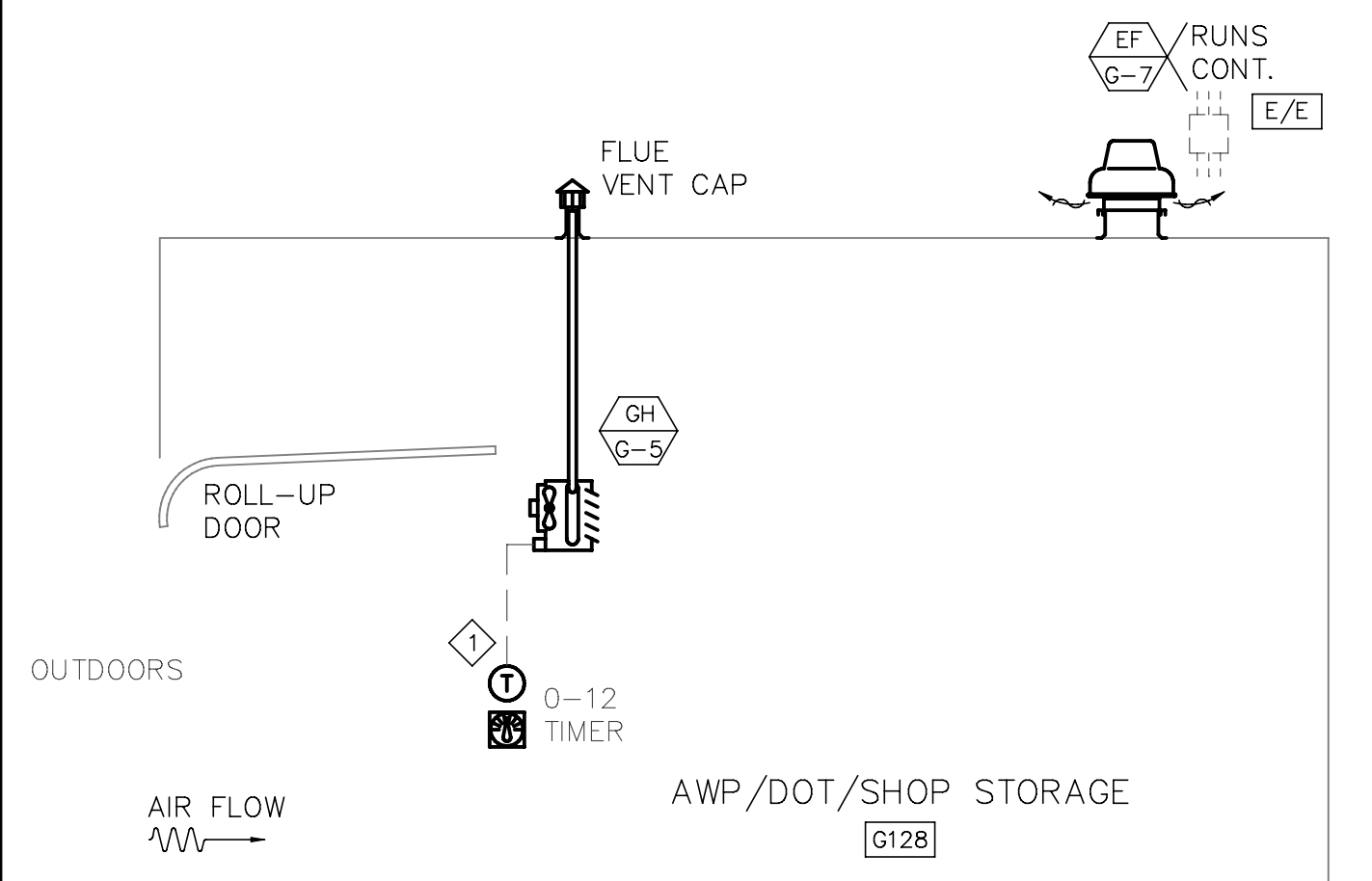


3
M5.2 NOT TO SCALE

TIRE BAY AND STORAGE CONTROL DIAGRAM



M5.2



DESCRIPTION OF OPERATION

WOMEN AND MEN RESTROOM EXHAUST G158, G157

EACH EXHAUST FAN IS OPERATED FROM THE LOCAL ROOM MOTION DETECTOR.

EXHAUST FANS

AS INDICATED, SELECTED ROOF EXHAUST FANS RUN CONTINUOUSLY.

FORCED AIR HANGING FURNACES

HANGING FURNACES FANS ARE MANUALLY START-STOPPED FROM THEIR INDIVIDUAL LOCAL MANUAL DIAL-TYPE TIMER. EACH TIMER IS PROVIDED WITH A USER ADJUSTABLE TEMPERATURE SET-POINT CONTROLLER - NONE MERCURY TYPE. HEAT WILL CYCLE AS NEEDED - THE FAN WILL REMAIN ON BASED ON DIAL TIMER. UNITS LARGER THAN 75,000 BTU WILL USE 2-STAGE HEATING.

SHEET NOTES

- 1 CONTROL WIRING FOR TIMER, THERMOSTAT AND RADIANT
HEATER - BY CONTROLS CONTRACTOR [C/C]

[illegible]

CONSULTANT:

CENTRAL SERVICE YARD

PHASE II PROJECT

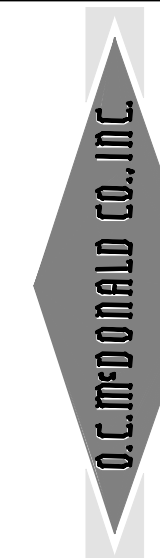


PROJECT ADDRESS:
1661 SENTER ROAD
SAN JOSE, CALIFORNIA

PROJECT NO: 684
DEPT FILE NO:

DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
2000 E. SANTA CLARA STREET
SAN JOSE, CA 95113
PROJECT MANAGER: MARY FOLLENWEIDER
VOICE: (408) 535-8371 FAX: (408) 292-6288

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AGREEMENT IN WRITING
WITH O.C. McDONALD CO.
INC.



State Contractor's Licence #177271
P.O. BOX 28560 SAN JOSE, CALIFORNIA 95159-8560
11150 W. SAN CARLOS STREET PHONE (408)295-2182
FAX # (408)295-0826



**HENSEL PHELPS
CONSTRUCTION CO.**
1107 N. First Street, Ste. 101
San Jose, California 95131
(408) 452-1800 Fax: (408) 452-1855

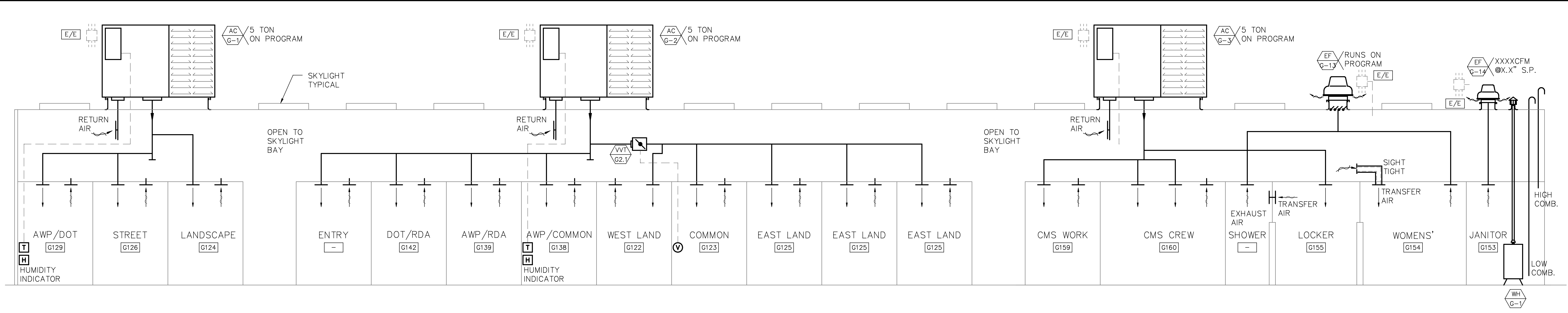
DRAWING TITLE:
MECHANICAL
AIR FLOW/CONTROLS
DIAGRAMS - BLDG G

DRAWN BY: KD

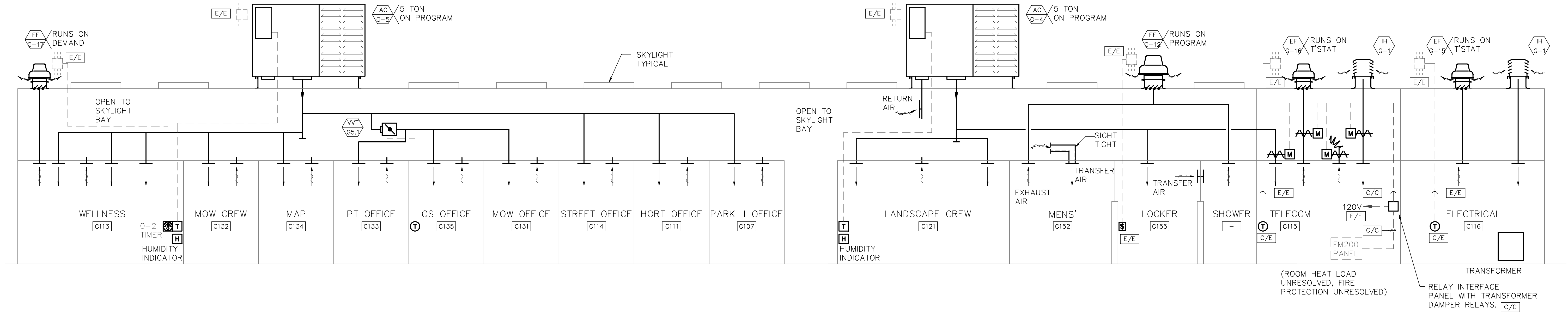
PROJECT # 200525.000

SHEET NUMBER

M5.4



1 AC-G1, AC-G2 AND AC-G3 CONTROL DIAGRAM
M5.6 NO TO SCALE



2 AC-G4 AND AC-G5 CONTROL DIAGRAM
M5.6 NO TO SCALE

DESCRIPTION OF OPERATION

AIR CONDITIONING UNITS G1 THRU G9

PACKAGED AIR CONDITIONING UNITS ARE PROVIDED WITH FACTORY MATCHING 7-DAY PROGRAMMABLE ELECTRONIC WALL THERMOSTAT WITH NIGHT SETBACK CAPABILITY MEETING CURRENT T-24 REQUIREMENTS. VARIABLE AIR VOLUME CONTROLLERS (AS LOCATED ABOVE) WILL PROVIDE TEMPERATURE CONTROL OF LOCAL AREAS TO IMPROVE TEMPERATURE ZONE CONTROL.

A WALL MOUNTED HUMIDITY INDICATOR WILL BE LOCATED IN ROOMS INDICATED ABOVE. THESE WILL DISPLAY HUMIDITY - BUT CANNOT BE ADJUSTED BY THE LOCAL USER.

CORRIDOR G161 SMOKE FIRE DAMPER: PROVIDED WITH INTEGRAL SMOKE DETECTOR. DAMPER WILL CLOSE UPON A SMOKE OR FIRE EVENT. THE SMOKE DETECTOR IS MANUALLY RESET ONCE THE EVENT IS CLEARED. THE AIR CONDITIONING UNIT DOES NOT TURN ON/OFF.

TELECOM G115

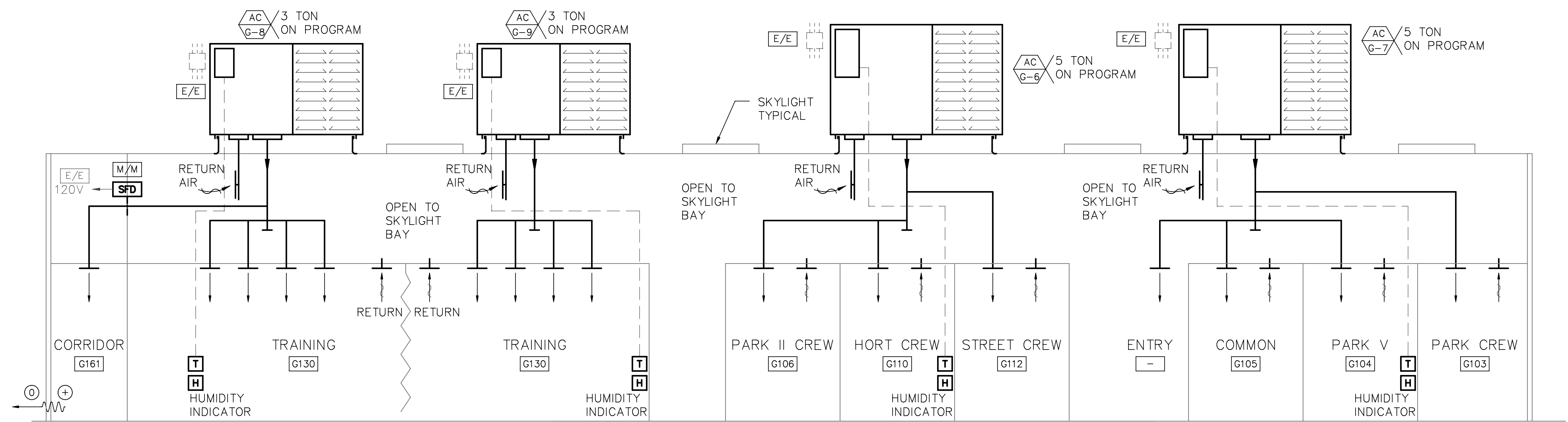
PENDING SELECTION OF DEDICATED SPLIT SYSTEM TO PROVIDE COOLING TO THIS SPACE.

AS A BACK-UP SYSTEM, IF THE ROOM TEMPERATURE RISES ABOVE ALARM TEMPERATURE CONDITIONS (INDICATING THE AIR CONDITIONING SYSTEM HAS FAILED), THE ROOF EXHAUST FAN WILL BE STARTED. OUTSIDE AIR WILL BE DRAWN INTO THE SPACE AS MAKE-UP AIR. NO ALARMS ARE PROVIDED.

THE FM-200 PANEL IS PROVIDED WITH A FORM C CONTACT (BY OTHERS - NOT MECHANICAL WORK) THE CONTACT WITHIN THE FM-200 PANEL WILL CLOSE. THE MOTORIZED DAMPERS WILL HAVE 20 SECONDS TO FULLY CLOSE. THE DAMPERS WILL STAY CLOSED UNTIL THE FM-200 CONTACT IS OPENED.

WELLNESS G113

A LOCAL WALL TIMER WILL ALLOW LOCAL USER TO TURN ON THE ROOM EXHAUST FAN AS-NEEDED.



3 AC-G6, AC-G7, AC-G8 AND AC-G9 CONTROL DIAGRAM
M5.6 NO TO SCALE

ISSUED FOR: DATE:	
PERMIT SET 24APR06	
CONSULTANT:	
CENTRAL SERVICE YARD PHASE II PROJECT	
PROJECT ADDRESS: 181 CENTER ROAD SAN JOSE, CALIFORNIA PROJECT NO. 864 DEPT FILE NO.	
CITY OF SAN JOSE DEPARTMENT OF PUBLIC WORKS CITY FACILITIES ARCHITECTURAL SERVICES DIV. 200 E. SANTA CLARA STREET SAN JOSE, CA 95113 PROJECT MANAGER: MARY FOLLENWEIDER VOICE: (408) 255-5571 FAX: (408) 255-5588	
This drawing is and shall be used for the project if the project is not to be used by D.C. McDONALD and is NOT to be used by anyone else for any project without the written agreement in writing with D.C. McDONALD CO.	
D.C. McDONALD CO., INC. P.O. BOX 26360 SAN JOSE, CALIFORNIA 95126-0360 1150 N. SAN CARLOS STREET SAN JOSE, CALIFORNIA 95128 (408) 255-5588 FAX: (408) 255-5588	
HENSEL PHELPS CONSTRUCTION CO. 1150 N. SAN CARLOS STREET SAN JOSE, CALIFORNIA 95128 (408) 255-5588 FAX: (408) 255-5588	
DRAWING TITLE: MECHANICAL AIR FLOW/CONTROLS DIAGRAMS - BLDG G	
DRAWN BY: KD	
PROJECT # 200525.000	
SHEET NUMBER	
M5.6	



7 COMBINATION FIRE SMOKE DAMPER DETAIL



[illegible]

CONSULTANT:

CENTRAL SERVICE YARD

PHASE II PROJECT



CITY OF
SAN JOSE
CAPITAL OF SILICON VALLEY

PROJECT ADDRESS:
1661 SENTER ROAD
SAN JOSE, CALIFORNIA

PROJECT NO: 684
DEPT FILE NO:

**DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.**
2000 E. SANTA CLARA STREET
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/OICE:(408)535-8371 FAX:(408)292-6288

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O.C. McDonald Co., Inc.

State Contractor's License #17721

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1150 W. SAN CARLOS STREET PHONE (408)295-2182
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**HENSEL PHELPS
CONSTRUCTION CO.**
12107 N. First Street, Ste. 101
San Jose, California 95131
(408) 452-1800 Fax: (408) 452-1855

DRAWING TITLE:
DETAILS

RAWN BY: KD
PROJECT # 200525.000
SHEET NUMBER

M6.2

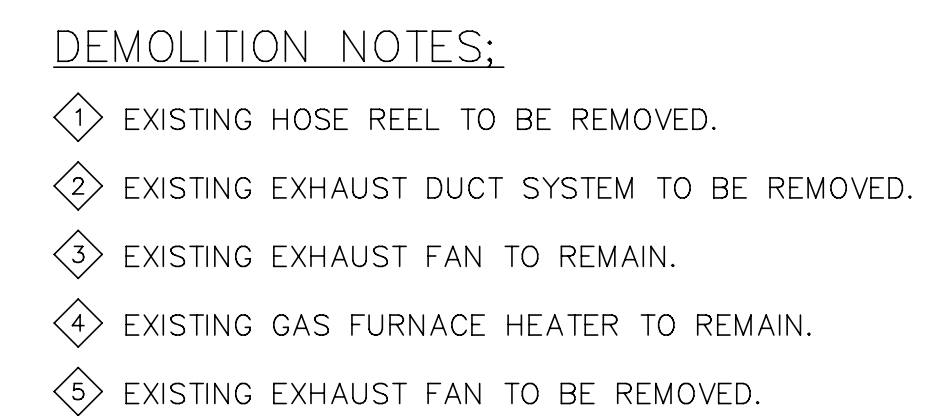
TRANSFER FAN SCHEDULE											
UNIT MARK	① MFR	MODEL	TYPE	CFM	SP	ELECTRICAL			NOISE (SONES)	WEIGHT LBS	REMARKS
						VOLT / Ø	HP	FLA			
	GREENHECK	SS1-12-432	WALL MOUNT	1042	0.25	120/1P	1/8	—	8.4	20	CARPENTRY SHOP SECURE TOOLS
	GREENHECK	SS1-12-432	WALL MOUNT	798	0.25	120/1P	1/12	—	7.7	20	ELECTRICAL SHOP CORDS ROOM
	GREENHECK	SS1-14-440	WALL MOUNT	409	0.25	120/1P	1/4	—	6.9	30	ELECTRICAL SHOP SECURE TOOLS
	GREENHECK	SS1-14-440	WALL MOUNT	409	0.25	120/1P	1/4	—	6.9	30	ELECTRICAL ROOM B122
	GREENHECK	SS1-14-440	WALL MOUNT	908	0.25	120/1P	1/6	—	7.5	30	ELECTRICAL ROOM B108
	GREENHECK	SS1-14-440	WALL MOUNT	409	0.25	120/1P	1/4	—	6.9	30	KITCHEN B124
① OR APPROVED OF EQUAL QUALITY MANUFACTURER.											

GAS FURNACE HEATING SCHEDULE													
UNIT MARK	MFR	① MODEL	OPERATING CONDITIONS						AFUE	FLUE DUCT CONNECTION SIZE	WEIGHT LBS	REMARKS	
			CFM	E.S.P.	HEATING MBH		F.L.A.	POWER					
					INPUT	OUTPUT							
	TRANE	GPND010A	1480	—	100	80	2.6	120/1P	80%	6"ø	150#	SERVING COMMON WORK AREA	②
	TRANE	GPND003A	700	—	30	24.3	1.3	120/1P	81%	4"ø	60#	SERVING BEAD BLAST AREA	②
	TRANE	GPND015A	2200	—	150	120	4.0	120/1P	80%	7"ø (USE 8ø FLUE)	175#	SERVING ELECTRICAL SHOP & STORAGE AREA	②
	TRANE	GPND015A	2200	—	150	120	4.0	120/1P	80%	7"ø (USE 8ø FLUE)	175#	SERVING ELECTRICAL SHOP & STORAGE AREA	②
	TRANE	GPND020A	2640	—	200	160	4.5	120/1P	80%	8"ø	220#	SERVING HVAC SHOP & STORAGE AREA	②
	TRANE	GPND020A	2640	—	200	160	4.5	120/1P	80%	8"ø	220#	SERVING PLUMBING SHOP & STORAGE AREA	②
① OR APPROVED OF EQUAL QUALITY MANUFACTURER.													
② PROVIDE WITH USER ADJUSTABLE SETPOINT THERMOSTAT. NOTE: FURNACES ARE CONTROLLED ON/OFF FROM THEIR INDIVIDUAL MANUAL DIAL TIMERS. UNITS GREATER THAN 75,000 BTU REQUIRE 2-STAGE HEATING THERMOSTATS.													

EXHAUST FAN SCHEDULE											
UNIT MARK	① MFR	MODEL	TYPE	CFM	SP	ELECTRICAL			NOISE (SONES)	WEIGHT LBS	REMARKS
						VOLT / Ø	HP	FLA			
	GREENHECK	GB-300HP	ROOF MOUNT	8000	1	460/3P	3	4.8	24	350	GENERAL EXHAUST FOR ELEC & PLUMB SHOPS
	GREENHECK	GB-300HP	ROOF MOUNT	8000	1	460/3P	3	4.8	24	350	GENERAL EXHAUST FOR ELEC & PLUMB SHOPS
	GREENHECK	—	—	—	—	—	—	—	—	—	PENDING —
	GREENHECK	—	—	—	—	—	—	—	—	—	PENDING —
	GREENHECK	GB-101-3	ROOF MOUNT	900	1	120/1P	1/3	—	8.7	50	WOMEN TOILET AND LOCKER EXHAUST
	GREENHECK	GB-101-3	ROOF MOUNT	900	1	120/1P	1/3	—	8.7	50	MEN TOILET AND LOCKER EXHAUST
	GREENHECK	GB-101-3	ROOF MOUNT	520	1	120/1P	1/4	1.0	11.5	50	MEN TOILET AND LOCKER EXHAUST

① OR APPROVED OF EQUAL QUALITY MANUFACTURER.

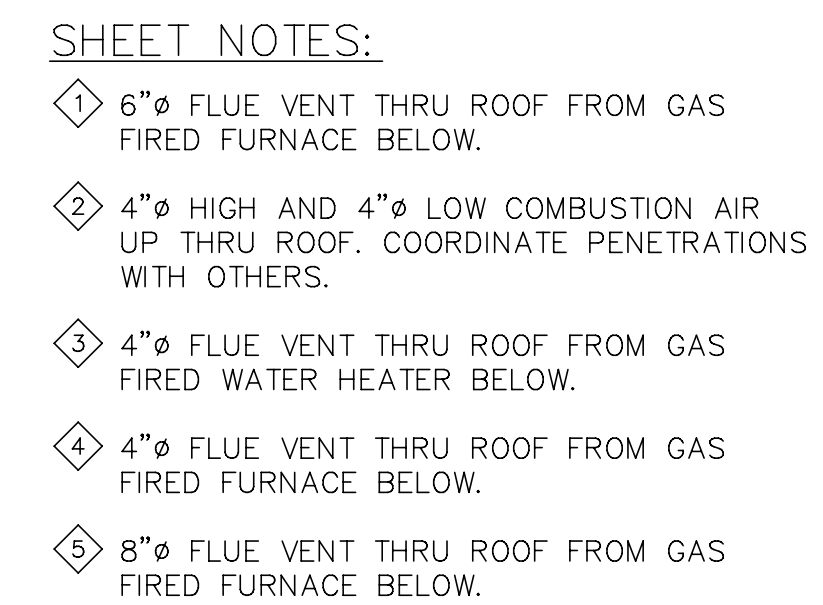
DIFFUSER, GRILLE AND REGISTER SCHEDULE						
UNIT MARK	① MFR	MODEL	SIZE	NECK	SERVICE	REMARKS
SWS-1	TITUS	272FL	SEE PLAN	SEE PLAN	SUPPLY	3/4" SPACING, DOUBLE DEFLECTION
SWR-1	TITUS	350RL	SEE PLAN	SEE PLAN	RETURN	1/2" SPACING, 0' DEFLECTION
CD-1	TITUS	PAS	24x24	SEE PLAN	SUPPLY	OFFICE
LVR-1	GREENHECK	ESD-202	SEE PLAN	SEE PLAN	INTAKE	OFFICE
RG-1	TITUS	PAR	SEE PLAN	SEE PLAN	RETURN	PERFORATED FACE
NOTES: ① OR APPROVED OF EQUAL QUALITY MANUFACTURER.						



EXISTING PLAN



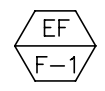
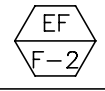
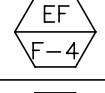
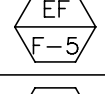
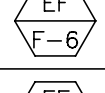
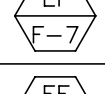
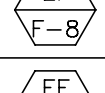
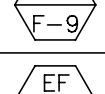
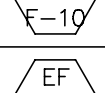
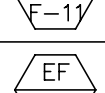
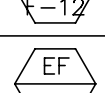
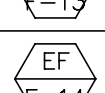
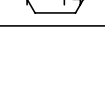
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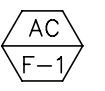
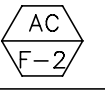
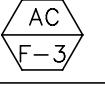


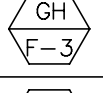
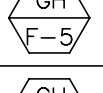
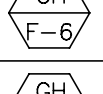
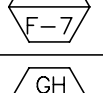
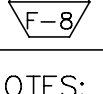
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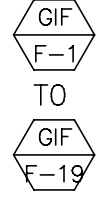
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EXHAUST FAN SCHEDULE											
UNIT MARK	① MFR	MODEL	TYPE	CFM	SP	ELECTRICAL			NOISE (SONES)	WEIGHT LBS	REMARKS
						VOLT / Ø	HP	FLA.			
	GREENHECK	GB-330-20	ROOF MOUNT	10000	0.5	460/3P	2	3.4	15.6	410	VEHICLE REPAIR BAY GENERAL EXHAUST
	GREENHECK	GB-330-20	ROOF MOUNT	10000	0.5	460/3P	2	3.4	15.6	410	VEHICLE REPAIR BAY GENERAL EXHAUST
	GREENHECK	GB-101-3	ROOF MOUNT	900	1	120/1P	1/3	7.2	8.7	50	LUBE ROOM F102 EXHAUST
	GREENHECK	GB-141-5	ROOF MOUNT	1200	1	460/3P	1/2	1.1	9.4	85	TIRE STORAGE F103 EXHAUST
	GREENHECK	GB-181-6	ROOF MOUNT	350	1	120/1P	1/6	4.4	9	50	PES F105 EXHAUST
	GREENHECK	GB-141-10	ROOF MOUNT	2300	1	460/3P	1/6	2.1	14.6	85	TIRE SHOP F107 EXHAUST
	GREENHECK	GB-300HP	ROOF MOUNT	7500	1	460/3P	3	4.8	22	325	PART STORAGE F110 EXHAUST
	GREENHECK	GB-081-4	ROOF MOUNT	470	1	120/1P	1/4	5.8	10	50	PES F117 EXHAUST
	GREENHECK	GB-101HP-3	ROOF MOUNT	600	1	120/1P	1/3	7.2	12.3	50	MEN'S LOCKER/TOILET EXHAUST
	GREENHECK	GB-101HP-3	ROOF MOUNT	600	1	120/1P	1/3	7.2	12.3	50	WOMEN'S LOCKER/TOILET EXHAUST
	GREENHECK	SP-B110	CEILING MOUNT	94	0.5	120/1P	80 WATT	-	2.7	10	JANITOR ROOM EXHAUST
	GREENHECK	GB-240-15	ROOF MOUNT	5000	1	460/3P	1 1/2	3.0	15	160	ELECTRICAL ROOM EXHAUST
	GREENHECK	GB-420-30	ROOF MOUNT	12000	0.5	460/3P	3	4.8	12.8	500	VEHICLE PREPARE BAY GENERAL EXHAUST
	GREENHECK	GB-420-30	ROOF MOUNT	12000	0.5	460/3P	3	4.8	12.8	500	VEHICLE PREPARE BAY GENERAL EXHAUST
	NEDERMAN	-	CEILING MOUNT	1200	5" ESP	460/3P	2	-	-	-	VEHICLE REPAIR BAY VEHICLE EXHAUST
	NEDERMAN	-	CEILING MOUNT	1200	5" ESP	460/3P	2	-	-	-	VEHICLE REPAIR BAY VEHICLE EXHAUST
	NEDERMAN	-	CEILING MOUNT	1800	5" ESP	460/3P	3	-	-	-	VEHICLE PREPARE BAY VEHICLE EXHAUST
	NEDERMAN	-	CEILING MOUNT	1200	5" ESP	460/3P	2	-	-	-	VEHICLE PREPARE BAY VEHICLE EXHAUST
NOTES: ① OR APPROVED OF EQUAL QUALITY MANUFACTURER.											

ROOF TOP PACKAGE UNIT SCHEDULE														
UNIT MARK	① MFR	MODEL	COOLING CAPACITY		EER/ SEER	HEATING CAPACITY		SUPPLY FAN			ELECTRICAL		MAX. ASSEMBLY WEIGHT	REMARKS
			NOM TONS	MBH		INPUT MBH	OUTPUT MBH	CFM	ESP	HP	VOLT / Ø	MCA		
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	SERVING LOBBY/RECEPTION AND MEN'S LOCKER AND TOILET
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	SERVING BREAK TRAINING, CONF, TELECOM & WOMEN'S LOCKER AND TOILET
	TRANE	YCZ036	3	36	15.6	72	56	1180	0.9	3/4	460/3/60	11.4	750 LBS.	SERVING PARTS OFFICE
NOTES: ① OR APPROVED OF EQUAL QUALITY MANUFACTURER.														

GAS FURNACE HEATING SCHEDULE													
UNIT MARK	① MFR	MODEL	OPERATING CONDITIONS					AFUE	FLUE VENT SIZE	WEIGHT LBS	REMARKS		
			CFM	E.S.P.	HEATING MBH INPUT OUTPUT		F.L.A.					POWER	
	TRANE	GPND003A	700	—	30	24.3	1.3	120/1P	81%	4"ø	60#	SERVING PES F105	②
	TRANE	GPND004A	800	—	45	36.5	1.3	120/1P	81%	4"ø	70#	SERVING CWA F104	②
	TRANE	GPND004A	800	—	45	36.5	1.3	120/1P	81%	4"ø	70#	SERVING TIRE STORAGE F103	②
	TRANE	GPND010A	1480	—	100	80	2.6	120/1P	80%	6"ø	150#	SERVING TIRE BAY F106	②
	TRANE	GPND015A	2200	—	150	120	4.0	120/1P	80%	7"ø CONN. USE 8"ø	175#	SERVING PART STORAGE F110	②
	TRANE	GPND015A	2200	—	150	120	4.0	120/1P	80%	7"ø CONN. USE 8"ø	175#	SERVING PART STORAGE F110	②
	TRANE	GPND003A	700	—	30	24.3	1.3	120/1P	81%	4"ø	60#	SERVING PES F117	②
	TRANE	GPND004A	800	—	45	36.5	1.3	120/1P	81%	4"ø	70#	SERVING CWA F104	②
NOTES: ① OR APPROVED OF EQUAL QUALITY MANUFACTURER. ② PROVIDE WITH USER ADJUSTABLE SETPOINT THERMOSTAT. NOTE: FURNACES ARE CONTROLLED ON/OFF FROM THEIR INDIVIDUAL MANUAL DIAL TIMERS. UNITS GREATER THAN 75,000 BTU REQUIRE 2-STAGE HEATING THERMOSTATS.													

DIFFUSER, GRILLE AND REGISTER SCHEDULE						
UNIT MARK	① MFR	MODEL	SIZE	NECK	SERVICE	REMARKS
SWS-1	TITUS	272FL	SEE PLAN	SEE PLAN	SUPPLY	3/4" SPACING, DOUBLE DEFLECTION
SWR-1	TITUS	350RL	SEE PLAN	SEE PLAN	RETURN	1/2" SPACING, 0° DEFLECTION
CD-1	TITUS	PAS	SEE PLAN	SEE PLAN	SUPPLY	CONFERENCE OFFICE
LVR-1	GREENHECK	ESD-202	SEE PLAN	SEE PLAN	INTAKE	EXTERIOR MAKE-UP AIR LOUVER WITH MOTORIZED BACKDRAFT DAMPER, BIRD SCREEN.
RG-1	TITUS	PAR	SEE PLAN	SEE PLAN	RETURN	PERFORATED FACE
EG-1	TITUS	50F	SEE PLAN	SEE PLAN	EXHAUST	VERIFY MOUNTING CONDITIONS (T-BAR OF SURFACE MOUNT)
TG-1	TITUS	350FL	SEE PLAN	N/A	SIDEWALL TRANSFER	3/4" SPACING, 35° DEFLECTION
NOTES: ① OR APPROVED OF EQUAL QUALITY MANUFACTURER.						

MISCELLANEOUS SCHEDULE			
UNIT MARK	① MFR	MODEL	DESCRIPTION
	DAYTON	3E461	HIGH INTENSITY GAS-FIRED INFRA-RED HEATERS UNIT. CERAMIC HIGH TEMPERATURE 1780°F INFRA-RED GENERATOR WITH STAINLESS STEEL RODS, DIRECT SPARK IGNITION, HIGHLY POLISHED ALUMINUM REFLECTOR. UNIT DIM: 12"D x 19"W x 23"H. MOUNT AT 14' HEIGHT. CLEARANCE TO COMBUSTIBLES 32" SIDES, 18" BEHIND, 40" TOP, 72" BELOW OF UNIT. ELEC. REQUIREMENT 120V/1P/60HZ, GAS LOAD 60,000 BTU INPUT. UNIT WT. - 30#
NOTES: ① OR APPROVED OF EQUAL QUALITY MANUFACTURER.			

ISSUED FOR: DATE: PERMIT SET 24APR06

CONSULTANT:



CITY OF SAN JOSE

CARTER OF REVENUE VALLEY

DEPARTMENT OF PUBLIC WORKS

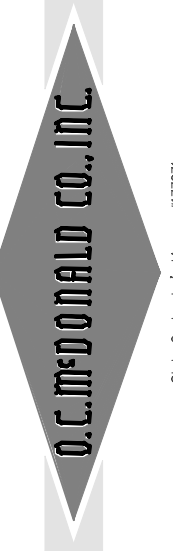
CITY FACILITIES ARCHITECTURAL SERVICES DIV.

200 E. SANTA CLARA STREET

SAN JOSE, CA 95113

PROJECT MANAGER: MARY FOLENWEIDER

VOICE: (408) 535-5571 FAX: (408) 522-5258



D.C. McDONALD CO., INC.

100 BOX 26360 SAN JOSE, CALIFORNIA 95136-8660

1150 N. SAN CARLOS STREET SAN JOSE, CALIFORNIA 95131

(408) 432-1800 FAX: (408) 295-0638



HENSEL PHELPS CONSTRUCTION CO.

10000 N. 1ST AVE. SUITE 200 SAN JOSE, CALIFORNIA 95131

(408) 432-1800 FAX: (408) 432-1855

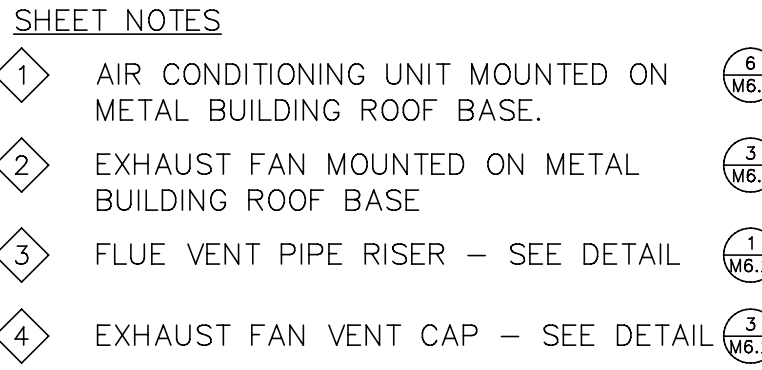
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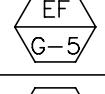
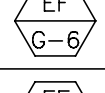
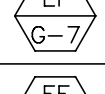
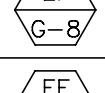
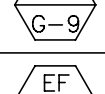
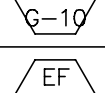
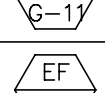
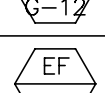
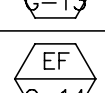
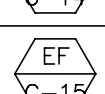
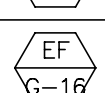
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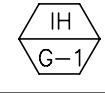
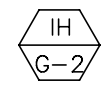
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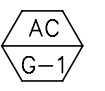
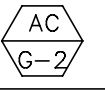
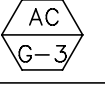
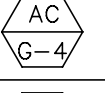
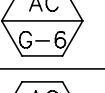
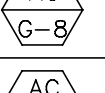
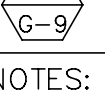
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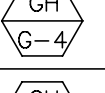
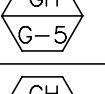
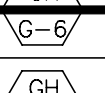
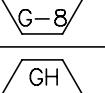
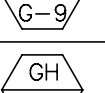
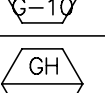
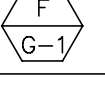


EXHAUST FAN SCHEDULE											
UNIT MARK	MFR	MODEL	TYPE	CFM	SP	ELECTRICAL			NOISE (SONES)	WEIGHT LBS	REMARKS
						VOLT / Ø	HP	FLA			
	GREENHECK	GB-300	ROOF MOUNT	6100	1	460/3P	3	4.8	13.5	315	MOW 
	GREENHECK	GB-300	ROOF MOUNT	6100	1	460/3P	3	4.8	13.5	315	MOW 
	GREENHECK	GB-161HP	ROOF MOUNT	1500	1	460/3P	1	2.1	11.5	90	PARK V SHOP/STORAGE 
	GREENHECK	GB-161HP	ROOF MOUNT	1500	1	460/3P	1	2.1	11.5	90	PARK II SHOP/STORAGE 
	GREENHECK	GB-200	ROOF MOUNT	4100	1	460/3P	3	4.8	17.4	145	HORT STORAGE HORT SECURE  
	GREENHECK	GB-200	ROOF MOUNT	4500	1	460/3P	3	4.8	19.5	145	EAST/WEST LANDSCAPE STREET TREE  
	GREENHECK	GB-161HP	ROOF MOUNT	1500	1	460/3P	1	2.1	11.5	90	AWP/DOT 
	GREENHECK	GB-161HP	ROOF MOUNT	1300	1	460/3P	1	2.1	11.2	90	AWP/TOOLS 
	GREENHECK	GB-180	ROOF MOUNT	2600	1	460/3P	1 1/2	3.0	13.2	130	POOLS & FTNG 
	GREENHECK	GB-180	ROOF MOUNT	2800	1	460/3P	1 1/2	3.0	14	130	IRR SHOP 
	GREENHECK	GB-161HP	ROOF MOUNT	1500	1	460/3P	1	2.1	11.5	90	PARK HDR 
	GREENHECK	GB-101HP	ROOF MOUNT	600	0.5	120/1P	1/4	5.8	9.7	60	MENS RESTROOM LOCKERS  
	GREENHECK	GB-101HP	ROOF MOUNT	600	0.5	120/1P	1/4	5.8	9.7	60	WOMENS RESTROOM WOMENS RESTROOM  
	GREENHECK	GB-071-4	ROOF MOUNT	150	0.5	120/1P	1/4	5.8	9.4	60	JANITORS CLOSET 
	GREENHECK	GB-141-10	ROOF MOUNT	2500	1	460/3P	1	2.1	13.8	90	ELECTRICAL ROOM 
	GREENHECK	GB-161HP	CEILING MOUNT	1500	1	460/3P	1	2.1	11.5	90	TELECOM ROOM (BACK-UP VENTILATION) 
	GREENHECK	GB-161HP	CEILING MOUNT	1500	1	460/3P	1	2.1	11.5	90	WELLNESS ROOM 
	GREENHECK	GB-101-5	ROOF MOUNT	1000	1	120/1P	1/2	1.1	9.8	60	RDA STORAGE 
	GREENHECK	SP-B110	CEILING MOUNT	94	0.5	120/1P	80 WATT	-	2.7	10	WOMEN'S RESTROOM EXHAUST 
	GREENHECK	SP-B110	CEILING MOUNT	94	0.5	120/1P	80 WATT	-	2.7	10	MEN'S RESTROOM EXHAUST 
	GREENHECK	GB-101HP	ROOF MOUNT	750	0.5	120/1P	1/4	5.8	13.7	60	MOW, SMALL EQ., RADIO SECURE EXHAUST   

DIFFUSER, GRILLE AND REGISTER SCHEDULE						
UNIT MARK	MFR	MODEL	SIZE	NECK	SERVICE	REMARKS
SWS-1	TITUS	272FL	SEE PLAN	SEE PLAN	SUPPLY	3/4" SPACING, DOUBLE DEFLECTION 
SWR-1	TITUS	350RL	SEE PLAN	SEE PLAN	RETURN	1/2" SPACING, 0° DEFLECTION
CD-1	TITUS	PAS	SEE PLAN	SEE PLAN	SUPPLY	CONFERENCE / OFFICE
CD-2	TITUS	MCD-AA	SEE PLAN	SEE PLAN	SUPPLY	PROVIDE S/M CAN FOR SIDE CONNECTION TO DUCT
RC-1	TITUS	PAR	SEE PLAN	SEE PLAN	RETURN	CONFERENCE / OFFICE
EG-1	TITUS	50F	SEE PLAN	SEE PLAN	EXHAUST	VERIFY MOUNTING CONDITIONS (T-BAR OF SURFACE MOUNT)
LVR-1	GREENHECK	ESD-202	SEE PLAN	SEE PLAN	INTAKE	EXTERIOR MAKE-UP AIR LOUVER WITH MOTORIZED BACKDRAFT DAMPER, BIRD SCREEN.

MISCELLANEOUS SCHEDULE			
UNIT MARK	MFR	MODEL	DESCRIPTION
	GREENHECK	GRSI	GRAVITY INTAKE HOOD, 1500CFM AT 0.075 S.P. DIM: 36" DIA. 14"H. MOUNTED ON 30"X30" CURB WITH 21 DIA. ROOF OPENING. UNIT WT-25#.
	GREENHECK	GRSI	GRAVITY INTAKE HOOD, 750CFM AT 0.075 S.P. DIM: 29" DIA. 13"H. MOUNTED ON 26"X26" CURB WITH 17 DIA. ROOF OPENING. UNIT WT-16#.

ROOF TOP PACKAGE UNIT SCHEDULE														
UNIT MARK	MFR	MODEL	COOLING CAPACITY		EER/ SEER	HEATING CAPACITY		SUPPLY FAN			ELECTRICAL		MAX. ASSEMBLY WEIGHT	REMARKS
			NOM TONS	MBH		INPUT MBH	OUTPUT MBH	CFM	ESP	HP	VOLT / Ø	MCA		
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	① ②
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	
	TRANE	YCZ060	5	59	14.85	120	90	1950	0.9	1	460/3/60	20.3	1250 LBS.	
	TRANE	YCZ036	3	36	15.6	72	56	1180	0.9	3/4	460/3/60	11.4	750 LBS.	
	TRANE	YCZ036	3	36	15.6	72	56	1180	0.9	3/4	460/3/60	11.4	750 LBS.	
NOTES: ① UNITS MOUNTED ON METAL BUILDING CUSTOM CURB (PROVIDED BY OTHERS). ② PROVIDE WITH FACTORY MATCHING PROGRAMMABLE ELECTRONIC 7-DAY WALL MOUNT THERMOSTAT.														

GAS FURNACE HEATING SCHEDULE														
UNIT MARK	MFR	MODEL	OPERATING CONDITIONS					AFUE	FLUE VENT SIZE	WEIGHT LBS	REMARKS			
			CFM	E.S.P.	HEATING MBH		F.L.A.	POWER						
	TRANE	GPND017A	2530	-	175	140	4.5	120/1P	80%	USE 8"ø (7" CONN.)	200#	②	 PARK V PARK/STORAGE  PARK II PARK/STORAGE	
	TRANE	GPND015A	2200	-	150	120	4.0	120/1P	80%	USE 8"ø (7" CONN.)	175#	②	 HORT STORAGE  HORT SECURE	
	TRANE	GPND007A	1100	-	75	60.8	1.3	120/1P	81%	5"ø	90#	②	 EAST/WEST LANDSCAPE COMMON AREA	
	TRANE	GPND010A	1480	-	100	80	2.6	120/1P	80%	6"ø	150#	②	 STREET TREE SHOP / STORAGE	
	TRANE	GPND007A	1100	-	75	60.8	1.3	120/1P	81%	5"ø	90#	②	 AWP/DOT SHOP STORAGE	
	TRANE	GPND006A	1050	-	60	48.6	1.3	120/1P	81%	5"ø	85#	②	NOT USED - REFER TO 	
	TRANE	GPND007A	1100	-	75	60.8	1.3	120/1P	81%	5"ø	90#	②	 PARK HDR	
	TRANE	GPND012A	1650	-	125	100	2.8	120/1P	80%	6"ø	170#	②	 IRR SHOP	
	TRANE	GPND010A	1480	-	100	80	2.6	120/1P	80%	6"ø	150#	②	 POOLS & FTNS	
	TRANE	GPND006A	1050	-	60	48.6	1.3	120/1P	81%	5"ø	85#	②	 AWP TOOLS	
	TRANE	GPND004A	800	-	45	36.5	1.3	120/1P	81%	4"ø	70#	②	 RDA STORAGE	
	TRANE	TUX040	600	-	40	38	1.14	120/1P	92%	CONCENTRIC TYPE	140#	①	 MOW SECURE  RADIO IRR SECURE  SMALL EQ.	
NOTES: ① PROVIDE AN AIR FILTER RACK ON INLET SIDE OF FURNACE WITH 2" FILTERS, ACCESSIBLE FOR SERVICE/REPLACEMENT. ② PROVIDE WITH USER ADJUSTABLE SETPOINT THERMOSTAT. NOTE: FURNACES ARE CONTROLLED ON/OFF FROM THEIR INDIVIDUAL MANUAL DIAL TIMERS. UNITS GREATER THAN 75,000 BTU REQUIRE 2-STAGE HEATING THERMOSTATS.														

VARIABLE VOLUME TERMINALS							
UNIT MARK	MFR	MODEL	VARIABLE VOLUME BOX			POWER	ACCESSORIES
			CFM MAX.	CFM MIN.	APD IN.WG		
	YOUNG	MODEL 2075	600	300	-	120V TO A 4x4 J-BOX	#3035 TRANSFORMER, ①
	YOUNG	MODEL 2075	360	180	-	120V TO A 4x4 J-BOX	#3035 TRANSFORMER, ①
① PROVIDED WITH FACTORY MATCHING WALL THERMOSTAT, MODEL T641A1021.							
NOTE: VVT UNITS ARE ADDED TO COMPLY WITH LEED POINTS REQUIREMENTS FOR ZONE TEMPERATURE CONTROL.							

ISSUED FOR: DATE: PERMIT SET 24APR06

CONSULTANT:

CENTRAL SERVICE YARD
PHASE II PROJECT



DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
SAN JOSE, CA 95113
PROJECT MANAGER: MARY FOLLENWEIDER
VOICE: (408) 255-5571 FAX: (408) 255-5258



HENSEL PHELPS
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San Jose, California 95131
(408) 432-1800 Fax: (408) 432-1855

DRAWING TITLE:
SCHEDULES

DRAWN BY: KD

PROJECT # 200525.000

SHEET NUMBER

MG0.2

CONSULTANT:

CENTRAL SERVICE YARD
PHASE II PROJECT

PROJECT ADDRESS:
181 CENTER ROAD
SAN JOSE, CALIFORNIA
PROJECT NO. 864
DEPT FILE NO.

DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
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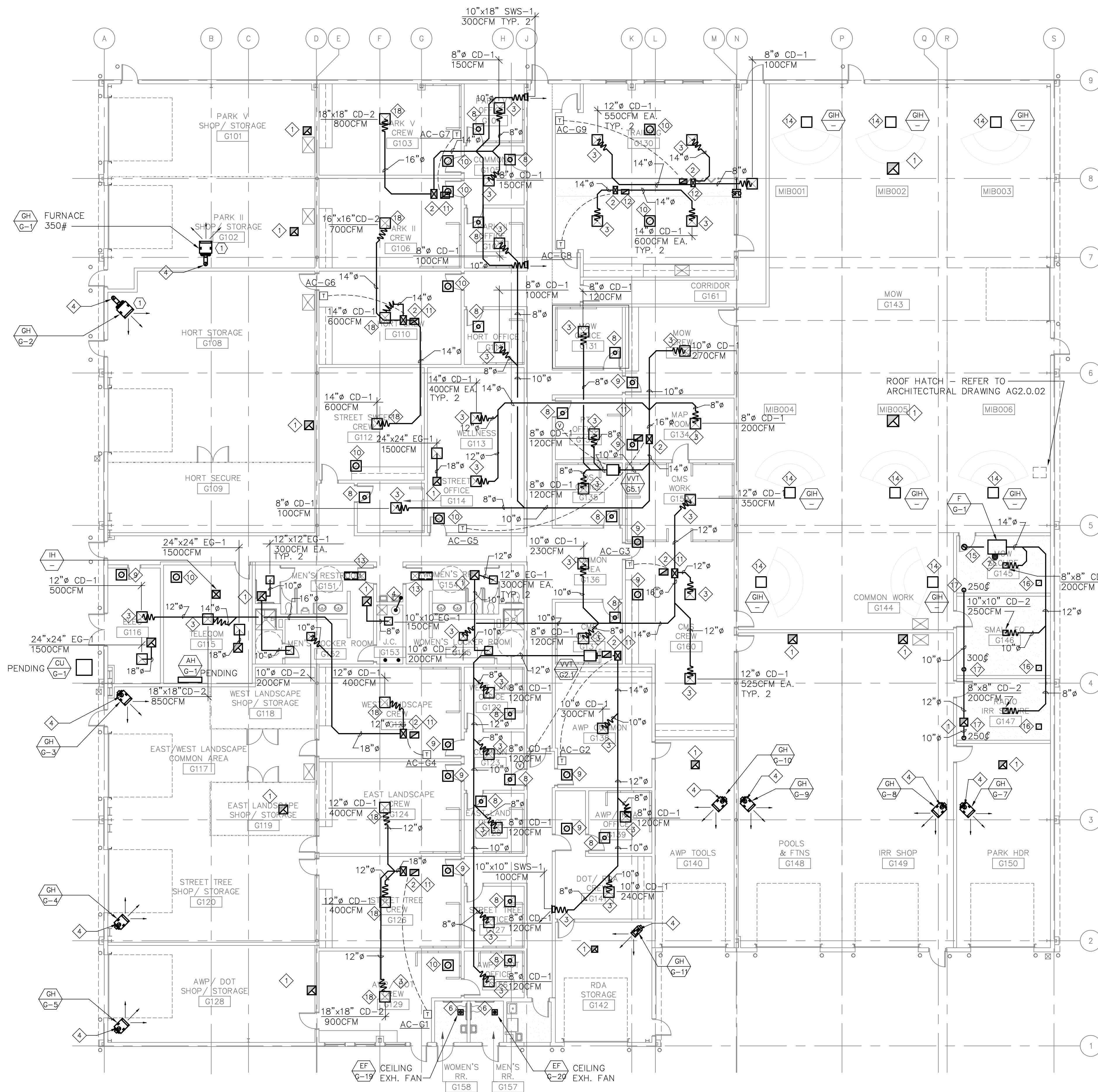
DRAWING TITLE:
FLOOR PLAN
BLDG G

DRAWN BY: KD

PROJECT # 200525.000

SHEET NUMBER

MG2.1



SHEET NOTES:

- 1 EXHAUST DUCT THRU ROOF TO EXHAUST FAN. COORDINATE ROOF OPENINGS WITH ROOFING CONTRACTOR FOR EXACT LOCATION AND FRAMING.
- 2 SUPPLY AND RETURN AIR DUCT THRU ROOF TO ROOFTOP UNIT.
- 3 DUCT SIZE IS SAME AS DIFFUSER NECK SIZE. PROVIDE A 6'-0" LONG FLEX AT DIFFUSER CONNECTION. PROVIDE VOLUME DAMPER AT RIGID Y-FITTING AND AT RISER DROP LOCATIONS.
- 4 TYPE B FLUE VENT THRU ROOF. COORDINATE ROOF PENETRATION WITH OTHERS.
- 5 EXTEND EXHAUST DUCT DOWN TO NEAR FLOOR WITH OPENING AT THE BOTTOM. PROVIDE SUPPORT ALONG WALL.
- 6 6" RESTROOM EXHAUST DUCT RISER FROM CEILING MOUNT FANS UP TO ROOF VENT CAP.
- 7 CONCENTRIC TYPE FURNACE VENT SERVING CEILING MOUNTED HORIZONTAL FURNACE.
- 8 10" COLLAR AT RETURN GRILLE RG-1 W/ OPEN END EXTEND THRU CEILING TO ATRIUM SPACE ABOVE.
- 9 12" COLLAR AT RETURN GRILLE RG-1 W/ OPEN END EXTEND THRU CEILING TO ATRIUM SPACE ABOVE.
- 10 14" COLLAR AT RETURN GRILLE RG-1 W/ OPEN END EXTEND THRU CEILING TO ATRIUM SPACE ABOVE.
- 11 20"x14" WITH ACOUSTIC LINING RETURN DUCT. EXTEND DUCT DOWN 12" BELOW ROOF FRAMING. PROVIDE A 16"x24" OPENING ON SIDE OF DUCT WITH WIRE MESS. SCREEN; SEE DETAIL V6.2.
- 12 17"x10" WITH ACOUSTIC LINING RETURN DUCT. EXTEND DUCT DOWN 12" BELOW ROOF FRAMING. PROVIDE A 8"x24" OPENING ON SIDE OF DUCT WITH WIRE MESS. SCREEN; SEE DETAIL V6.2.
- 13 14"x14" SQUARE ELBOW WITH 24" EXTENSION WITH 1" ACOUSTIC LINING.
- 14 EXISTING DAYTON GAS FIRED RADIANT HEATER TO BE RELOCATED FROM EXISTING MOW REPAIR SHOP. GAS LOAD ESTIMATED 60,000 BTU EACH.
- 15 12" OUTSIDE AIR INTAKE DUCT THRU ROOF. EXTEND DUCT DOWN AND POINT TOWARD UNIT RETURN OPENING. SEE AIR FLOW DIAGRAM.
- 16 12"x12" RETURN GRILLE RG-1 WITHOUT DUCT. USE CEILING SPACE AS RETURN AIR PATH.
- 17 10" EXHAUST DUCT DOWN TO 12" FROM FLOOR WITH SCREENED OPENING AT THE BOTTOM. BALANCE TO CFM AS SHOWN.
- 18 SHEET METAL CAN ON DIFFUSER W/ SIDE CONNECTION. PROVIDE A 6'-0" LONG FLEX AT DIFFUSER CONNECTION. PROVIDE VOLUME DAMPER AT RIGID DUCT TYPICAL FOR ALL DIFFUSER UNLESS OTHERWISE NOTED.

FLOOR PLAN - BUILDING G

SCALE: 3/32"=1'-0"



SYMBOL LEGEND

	MAIN SWITCHBOARD, DISTRIBUTION BOARD OR MOTOR CONTROL CENTER.
	PANELBOARD, SURFACE MOUNTED.
	PANELBOARD, FLUSH MOUNTED.
	ELECTRIC MOTOR, MAKE CONNECTIONS ONLY.
	THERMOSTAT, PROVIDED UNDER DIVISION 15, +48" UON.
	TELEPHONE/DATA OUTLET, +18" UON. PROVIDE SINGLE GANG RING WITH 3/4"C STUBBED INTO CEILING ABOVE.
	JUNCTION BOX, 4" SQUARE, UON MOUNTED ABOVE ACCESSIBLE CEILING.
	JUNCTION BOX, 4" SQUARE, UON FLOOR MOUNTED.
	DUPLEX CONVENIENCE OUTLET, +18" UON.
	DOUBLE DUPLEX CONVENIENCE OUTLET, +18" UON.
	DUPLEX CONVENIENCE OUTLET, MOUNTED IN CEILING.
	DUPLEX CONVENIENCE OUTLET WITH GROUND FAULT INTERRUPTER, +18" UON.
	FLOOR OUTLET
	SINGLE CONVENIENCE OUTLET, +18" UON.
	WORK BENCH PLUG STRIP, PROVIDE 72" LONG PLUG STRIP WITH 20AMP NEMA 5-20R RECEPTACLES AT 12" O.C., PROVIDE ON-OFF SWITCH MOUNTED ON STRIP.
	CORD REEL WITH 3/C #12cu TYPE SO CORD, BALL STOP, ROLLER GUIDES AND BACK TO BACK NEMA 5-20R RECEPTACLE, "INSUL-8" SERIES 1200 OR EQUAL, SEE DETAILS 11 AND 12 ON DRAWING E2.1.01 FOR MOUNTING
	CORD REEL WITH 3/C #12cu TYPE SO CORD, BALL STOP, ROLLER GUIDES AND BACK TO BACK NEMA 5-20R (1) GFI RECEPTACLE, "INSUL-8" SERIES 1200 OR EQUAL, SEE DETAILS 11 AND 12 ON DRAWING E2.1.01 FOR MOUNTING
	CORD REEL WITH 3/C #14cu TYPE SO CORD, BALL STOP, ROLLER GUIDES AND FLUORESCENT DROP LIGHT, "INSUL-8" SERIES 1200 OR EQUAL, SEE DETAILS 11 AND 12 ON DRAWING E2.1.01 FOR MOUNTING
	STATIC DISCHARGE GROUND REEL WITH #6cu CORD, BALL STOP, ROLLER GUIDES, AND GROUND CLAMP. GROUND REEL TO METAL STRUCTURE WITH #6cu.
	SPECIALTY OUTLET, +18" UON. LETTER DENOTES TYPE.
	CLOCK OUTLET, 1'-0" BELOW CEILING UON.
	POWER POLE.
	PULLBOX, SIZE AND TYPE AS SPECIFIED BY NUMBERED NOTE.
	SAFETY DISCONNECT SWITCH, 3 POLE, UON. * = FUSE RATING. A: 30A, NON-FUSED AF: 30A, FUSED B: 60A, NON-FUSED BF: 60A, FUSED C: 100A, NON-FUSED CF: 100A, FUSED D: 200A, NON-FUSED DF: 200A, FUSED
	PACKAGE CONTROLLER OR STARTER FURNISHED, INSTALLED AND WIRED UNDER THIS SECTION, NUMBER INDICATES NEMA SIZE.
	COMBINATION STARTER, FURNISHED, INSTALLED AND WIRED UNDER THIS SECTION. NUMBER INDICATES NEMA SIZE.
	SWITCH, TOGGLE, SINGLE POLE, SINGLE THROW, +42" AFF UON. SUBSCRIPT MODIFIERS: a,b SWITCHING CIRCUIT D DIMMER DESIGNATION. K KEY OPERATED 2 DOUBLE POLE P PILOT LIGHT 3 THREE WAY M MOTOR RATED SWITCH 4 FOUR WAY WITH OVERLOADS T TIMER
	LINE VOLTAGE THERMOSTAT FURNISHED BY MECHANICAL INSTALLED BY ELECTRICAL.
	LIGHT LEVEL SENSOR, "WATT STOPPER" #LS-100 SEE WIRING DIAGRAM ?????
	LIGHTING RELAY, 20AMP, 277V, "WATT STOPPER" #B277E-P SEE WIRING DIAGRAM ????
	WALL MOUNTED MOTION SENSOR WITH ADJUSTABLE TIME DELAY AND MANUAL OFF SWITCH, "WATT STOPPER" #W200 OR EQUAL
	CEILING MOUNTED MOTION SENSOR WITH ADJUSTABLE TIME DELAY "WATT STOPPER" #CI-200 OR EQUAL
	FLUORESCENT LIGHTING FIXTURE, 2X4 RECESSED IN CEILING.
	FLUORESCENT LIGHTING FIXTURE, 2X4 SURFACE MOUNTED.
	FLUORESCENT LIGHTING FIXTURE, 1X4 RECESSED IN CEILING.
	FLUORESCENT LIGHTING FIXTURE, 1X4 SURFACE MOUNTED.
	FLUORESCENT LIGHTING FIXTURE, 1X4 WALL MOUNTED.
	FLUORESCENT STRIPING FIXTURE, SURFACE OR PENDANT MOUNTED.
	INCANDESCENT, FLUORESCENT OR H.I.D. FIXTURE, RECESSED IN CEILING

 INCANDESCENT, FLUORESCENT OR H.I.D. FIXTURE, SURFACE OR PENDANT MOUNTED.
 INCANDESCENT, FLUORESCENT OR H.I.D. FIXTURE WALL MOUNTED.
 INCANDESCENT, FLUORESCENT OR H.I.D. WALL WASHER FIXTURE, RECESSED IN CEILING.
 H.I.D. LIGHTING FIXTURE, POLE MOUNTED.
 EXIT FIXTURE, CEILING OR WALL MOUNTED, ARROW INDICATES DIRECTION OF EXIT
 INCANDESCENT LIGHTING, TRACK SYSTEM WITH PLUG IN FIXTURES AS SHOWN.
 SHADING OF ANY FIXTURE INDICATES CONNECTION TO EMERGENCY SYSTEM.
 EMERGENCY BATTERY PACK WITH TWO FLOOD HEADS.
(A1) LIGHTING FIXTURE TYPE.
 LIGHTING SWITCHING CIRCUIT.
 SPOT LIGHT.

----- CONDUIT RUN CONCEALED UNDER SLAB OR UNDERGROUND.

_____ CONDUIT RUN CONCEALED IN SLAB, WALL OR CEILING

_____➔ CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET.

_____○ CONDUIT TURNED UP ON DOWN THRU FLOORS/SLABS.

///_____ BRANCH CIRCUIT CONDUIT & CONDUCTOR, NUMBER OF CROSS MARKS EQUAL NUMBER OF #12 CONDUCTORS. NO CROSS MARKS EQUALS 2#12 CONDUCTORS IN 3/4" CONDUIT. INCLUDE INSULATED GROUND WIRE IN ALL CONDUITS SIZED PER CEC TABLE, PROVIDE #10 CONDUCTORS WHERE RUNS ARE GREATER THAN 100 FEET AT 120V AND 200 FEET AT 277V.

GENERAL NOTES

1. AN ELECTRICAL PERMIT IS REQUIRED BEFORE THE START OF ANY ELECTRICAL WORK. OBTAIN A "NO FEE" ELECTRICAL PERMIT FROM THE ELECTRICAL INSPECTOR AT 408-981-4262. SCHEDULE INSPECTIONS 48 HOURS IN ADVANCE.
2. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A C-40 LICENSED CONTRACTOR IN THE STATE OF CALIFORNIA POSSESSING A SAN JOSE BUSINESS LICENSE.
3. INSTALL A CODE SIZED GREEN EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS PER CITY STANDARDS.
4. PROVIDE MINIMUM WORK CLEARANCES AS FOLLOWS IN FRONT OF PANELS/SERVICE/
 - 0 TO 150 VOLTS TO GROUND = 110-18"
 - 151 TO 600 VOLTS TO GROUND = 48"
5. PROVIDE MINIMUM 48" WIDE WORK SPACE IN FRONT OF SERVICE/PANELS/EQUIPMENT (15" FROM BUS BAR TO OBSTRUCTION) PER NEC 110-1.6.
6. ALL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA, ETC.) PER NEC 110-2.
7. A SIGN SHALL BE PLACED AT THE SERVICE ENTRANCE EQUIPMENT ("MSB") INDICATING THE ON-SITE EMERGENCY GENERATOR LOCATION (LEVEL 28) PER NEC 700-8.
8. A MEANS SHALL BE PROVIDED TO DISCONNECT EACH APPLIANCE, MOTOR, HVAC & REFRIGERATION UNIT FROM THE CIRCUIT FEEDER PER NEC 422, 430, 440.
9. PROVIDE DEDICATED NEUTRAL CONDUCTORS FOR ALL CIRCUITS.

FIXTURE SCHEDULE

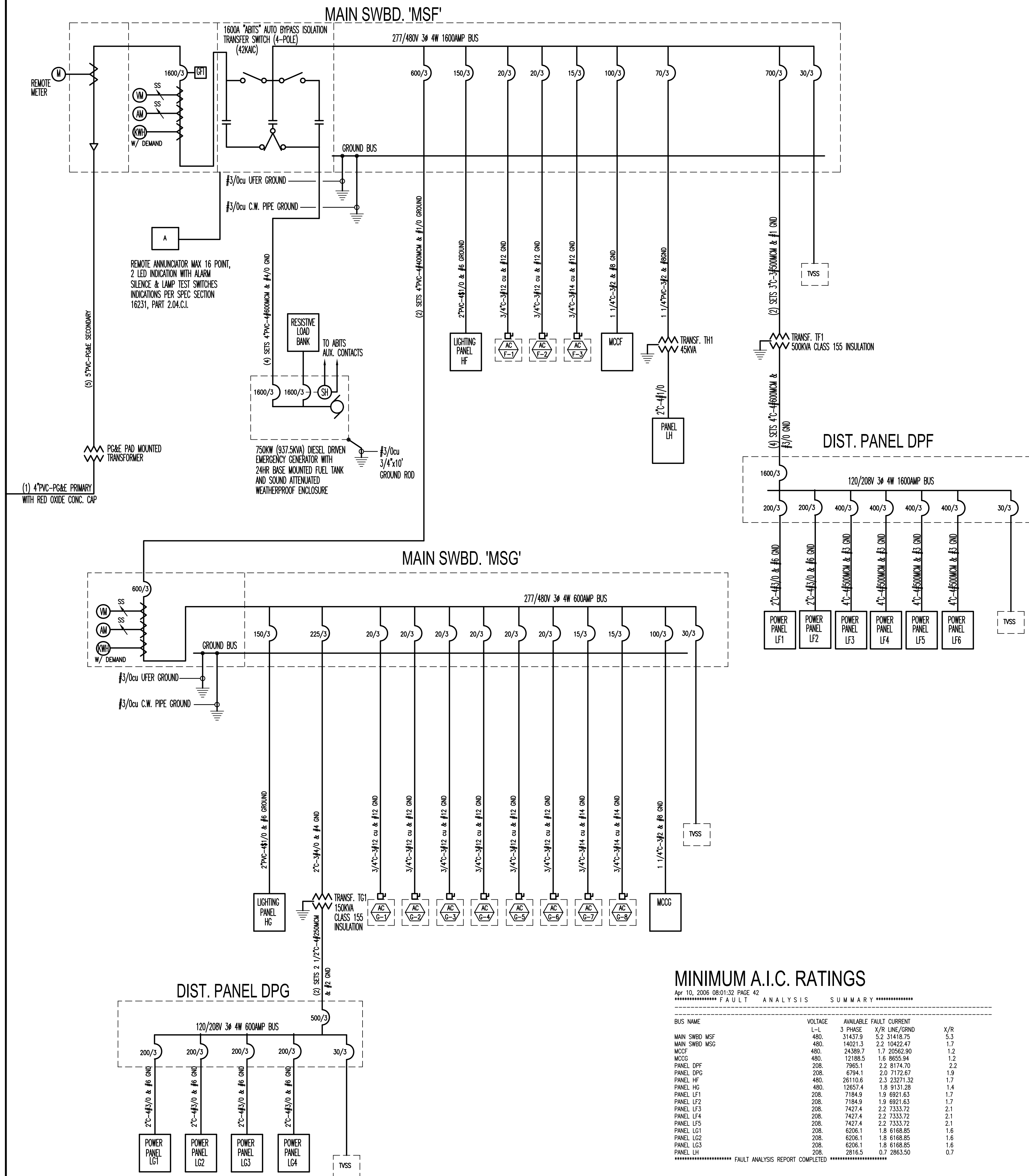
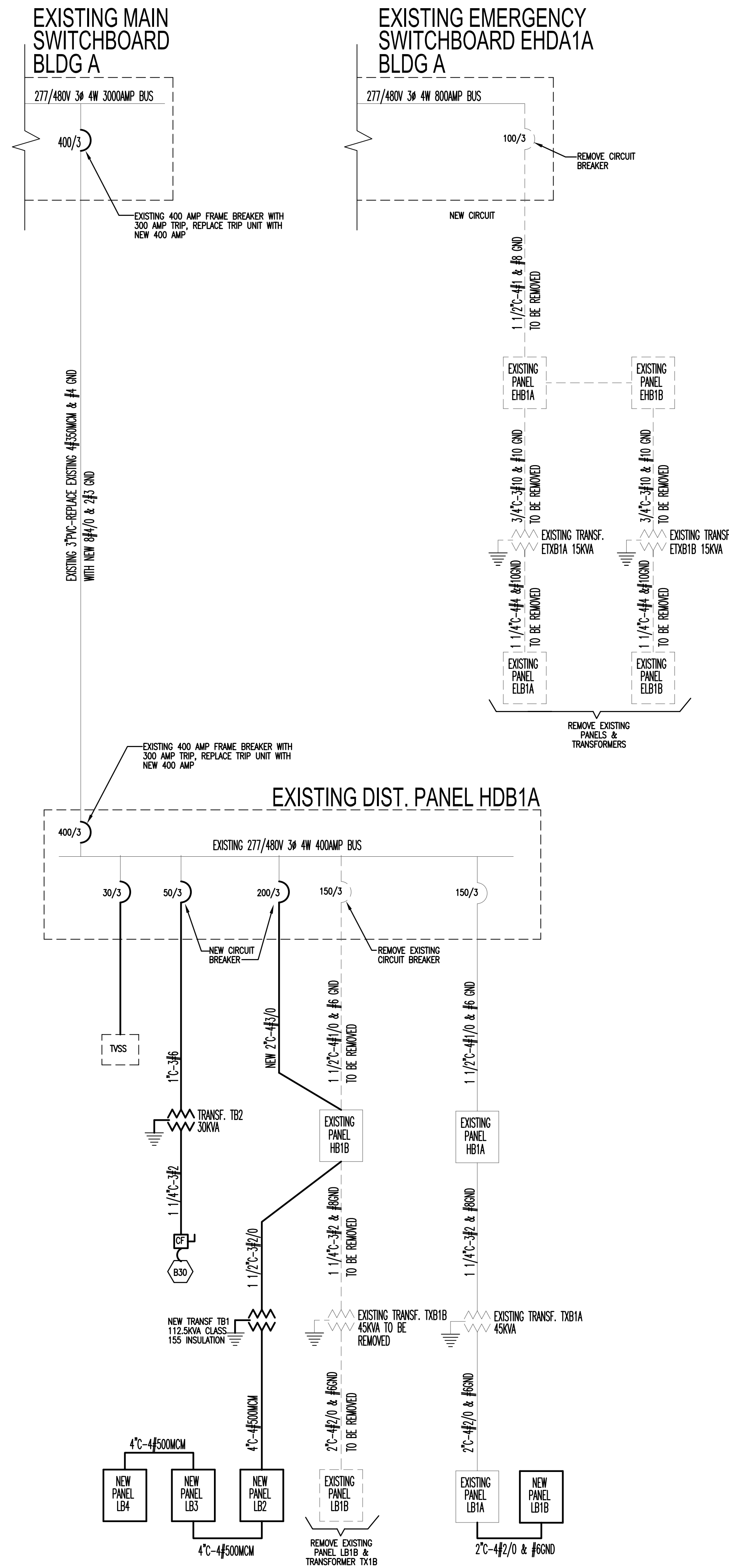
TYPE	MANUFACTURER	MOUNTING	VOLTS	LAMPS	REMARKS
A1	LITHONIA #TEJS-232-277-GEB-PLF2	PENDANT	277	(4) F32 T8	.
A2	LITHONIA #EJS-232-277-GEB-PLF2	PENDANT	277	(2) F32 T8	.
A3	LITHONIA #TEJS-332-277-GEB-PLF2	PENDANT	277	(6) F32 T8	.
A4	LITHONIA #EJS-332-277-GEB-PLF2	PENDANT	277	(3) F32 T8	.
B1	LITHONIA #2GT8-231U-A12-277-GEB 1/1-1/2	RECESSED	277	(3) F32 T8	.
B2	LITHONIA #2GT8-231U-A12-277-GEB	RECESSED	277	(2) F31U T8	.
B3	LITHONIA #1ST2GT8-231U-A12-277-GEB 1/2-1/4	RECESSED	277	(6) F32 T8	.
C	GARDCO #LW14-1-P-180LPS-277-BLA	WALL	277	180W LPS	.
C1	GARDCO #LW14-1-P-180LPS-120-BLA	WALL	120	180W LPS	.
D	LITHONIA #LB-232-277-GEB	SURFACE	277	(2) F32 T8	.
E	LITHONIA #IDX654-H1206	WALL	277	12W HAL.	.
F	LITHONIA #LV-S-1-G-277-ELN	CEILING	277	LED	.
G1	GARDCO #LA14-1-A-180LPS-277-BLA	27"-6" POLE	277	180W LPS	POLES TO BE GARDCO CA6 CRUCIFORM
G2	GARDCO #LA14-2-A-180LPS-277-BLA	27"-6" POLE	277	(2) 180W LPS	POLES TO BE GARDCO CA6 CRUCIFORM
H	LITHONIA #VR3C-70S-277	CEILING	277	70W HPS	.
H1	LITHONIA #VR3C-70S-120	CEILING	120	70W HPS	.
J	LITHONIA #KACM-400S-FP-277-YK	SURFACE	277	400W HPS	.
K1	LITHONIA #TC-232-277-GEB	SURFACE	277	(4) F32 T8	.
K2	LITHONIA #C-232-277-GEB	SURFACE	277	(2) F32 T8	.
L	LITHONIA #LF6-2/26DTT-277-F6LF1	RECESSED	277	(2) 26DTT	.
M	LITHONIA #LF6-2/26DTT-277-F602A	RECESSED	277	(2) 26DTT	.
N	LITHONIA #WC-232-277-GEB	WALL	277	(2) F32 T8	.
P	LITHONIA #TXC-250S-A23-120-WL	PENDANT	120	250W HPS	.

LIGHTING NOTES

- 1 - ALL FLUORESCENT LAMP TO BE F032, T8, 3500 DEGREES K COLOR, 85 CRI MINIMUM. 30,000 HOUR LAMP LIFE, 2900 MEAN LUMEN OUTPUT, SYLVANIA OCTRON XPS OR EQUAL.
- 2 - ALL FLUORESCENT BALLAST TO BE SYLVANIA QUICKTRONIC PSX OR EQUAL.
- 3 - PROVIDE 5% SPARE LAMPS OF THE TOTAL OF EACH TYPE AND TWO SPARE BALLAST OF EACH TYPE.

ELECTRICAL SHEET INDEX

E0.1.01	LEGEND & SCHEDULES
E0.1.02	SINGLE LINE DIAGRAM
E0.1.03	PANEL SCHEDULES
E0.1.04	PANEL SCHEDULES
E0.1.05	PANEL SCHEDULES
E0.1.06	TITLE 24 FORMS
E0.1.07	TITLE 24 FORMS
E0.1.08	TITLE 24 FORMS
E1.1.01	ELECTRICAL SITE PLAN
E1.1.02	PHOTOMETRIC SITE PLAN
E2.1.01	PARTIAL PLANS, DETAILS & LIGHTING CONTROL DIAGRAMS
E2.1.02	DETAILS & DIAGRAMS
EB2.0.00	BUILDING B DEMOLITION PLAN
EB2.1.11	POWER PLAN BUILDING B AREA 1
EB2.1.12	POWER PLAN BUILDING B AREA 2
EF2.1.11	POWER PLAN BUILDING F AREA 1
EF2.1.12	POWER PLAN BUILDING F AREA 2
EG2.1.11	POWER PLAN BUILDING G AREA 1
EG2.1.12	POWER PLAN BUILDING G AREA 2
EH2.1.11	OVERALL POWER/LIGHTING PLAN BUILDING H
EB3.1.11	LIGHTING PLAN BUILDING B AREA 1
EB3.1.12	LIGHTING PLAN BUILDING B AREA 2
EF3.1.11	LIGHTING PLAN BUILDING F AREA 1
EF3.1.12	LIGHTING PLAN BUILDING F AREA 2
EG3.1.11	LIGHTING PLAN BUILDING G AREA 1
EG3.1.12	LIGHTING PLAN BUILDING G AREA 2
EB4.1.20	COMMUNICATION DETAILS BUILDING B
EB4.1.21	COMMUNICATION PLAN BUILDING B AREA 1
EB4.1.22	COMMUNICATION PLAN BUILDING B AREA 2
EF4.1.20	COMMUNICATION DETAILS BUILDING F
EF4.1.21	COMMUNICATION PLAN BUILDING F AREA 1
EF4.1.22	COMMUNICATION PLAN BUILDING F AREA 2
EG4.1.20	COMMUNICATION DETAILS BUILDING G
EG4.1.21	COMMUNICATION PLAN BUILDING G AREA 1
EG4.1.22	COMMUNICATION PLAN BUILDING G AREA 2
EH4.1.21	COMMUNICATION PLAN BUILDING H



MINIMUM A.I.C. RATINGS

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***** FAULT ANALYSIS SUMMARY *****
BUS NAME          VOLTAGE      AVAILABLE FAULT CURRENT
L-L              3 PHASE  X/R LINE/GRND
MAIN SWBD MSF     480.    31437.9    5.2  31418.75    5.3
MAIN SWBD MSG     480.    14021.3    2.2  10402.41    1.7
MCCF              480.    24389.7    1.7  20562.90    1.2
MCCG              480.    12188.5    1.6  8655.94     1.2
PANEL DPF         208.    7950.1    2.2  8174.70    2.2
PANEL EBF         208.    6794.1    2.0  7172.67    1.9
PANEL HF          480.    26110.6    2.3  23271.32    1.7
PANEL HG          480.    12657.4    1.8  9131.28    1.4
PANEL L1           208.    7184.9    1.9  6921.63    1.7
PANEL L2           208.    7184.9    1.9  6921.63    1.7
PANEL LF3         208.    7427.4    2.2  7333.72    2.1
PANEL LF4         208.    7427.4    2.2  7333.72    2.1
PANEL LF5         208.    7427.4    2.2  7333.72    2.1
PANEL LG1         208.    6206.1    1.8  6168.85    1.6
PANEL LG2         208.    6206.1    1.8  6168.85    1.6
PANEL LG3         208.    6206.1    1.8  6168.85    1.6
PANEL LH          208.    2816.5    0.7  2863.50    0.7
***** FAULT ANALYSIS REPORT *****

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SWBD "MSF"				1600/3 - MAIN BREAKER			- LUGS ONLY		
1600 AMP 277/480V 3PH 4W				X - NEMA 1 X - SURFACE MNT			- NEMA 3R - FLUSH MNT		
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	MAIN SWBD "MSG"	600	3	108243	103847	107283	0.1	0.3	0.5
2	PANEL "HP"	150	3	18492	10570	16634	1.0	0.0	0.0
3	AC-F-1	20	3	3716	3716	3716			1
4	AC-F-2	20	3	3716	3716	3716			1
5	AC-F-3	15	3	2357	2357	2357			1
6	SPACE	-	-						
7	DIST. PANEL "DPI"	400	3	156791	146846	150093	0.0	0.2	0.8
8	MCCF	100	3	10871	10871	10871			1
9	PANEL LH	70	3	14717	10337	11837	0.1	0.0	0.8
10	TVSS	30	3						
11	AIR COMPRESSOR	20	3	3666	3666	3666			1
12	AIR COMPRESSOR	20	3	3666	3666	3666			1
13	SPACE	-	-						
14	SPACE	-	-						
15	SPACE	-	-						
16	SPACE	-	-						
SWBD CONNECTED LOAD / PHASE				326235	299592	313839			
SWBD CONNECTED LOAD				939666 VA	1130.3 AMPS		91.2	205.9	642.5
ADD 25% CONTINUOUS LIGHTING LOAD							22.8		
FIRST 10KVA OR LESS RECEPTACLE LOAD								10.0	
REMAINDER OVER 10KVA								98.0	
ADD 25% LARGEST MOTOR LOAD									0.0
SWBD DEMAND LOAD				864516 VA	1039.9 AMPS		114.0	108.0	642.5
SPARE CAPACITY ON PANEL					35%				

CONDUIT: SEE SINGLE LINE DIAGRAM

WIRE: SEE SINGLE LINE DIAGRAM

NOTE:

"MCCF"		- MAIN BREAKER				- LUGS ONLY		
225 AMP 480V 3PH 3W		X - NEMA 1 X - SURFACE MNT				- NEMA 3R - FLUSH MNT		
CKT	DESCRIPTION / LOCATION	HP	BKR	STR	Aph	Bph	Cph	FEEDER
1	EF-F-1	2	15	1	943	943	943	3/4"C-3#14
2	EF-F-2	2	15	1	943	943	943	3/4"C-3#14
3	EF-F-7	3	15	1	1331	1331	1331	3/4"C-3#14
4	EF-F-12	1.5	15	1	832	832	832	3/4"C-3#14
5	EF-F-13	3	15	1	1331	1331	1331	3/4"C-3#14
6	EF-F-14	3	15	1	1331	1331	1331	3/4"C-3#14
7	VEF-F-1	2	15	1	943	943	943	3/4"C-3#14
8	VEF-F-2	2	15	1	943	943	943	3/4"C-3#14
9	VEF-F-3	3	15	1	1331	1331	1331	3/4"C-3#14
10	VEF-F-4	2	15	1	943	943	943	3/4"C-3#14
11	SPACE							
12	SPACE							
CONNECTED LOAD / PHASE					10871	10871	10871	
CONNECTED LOAD		32613 VA			39.2 AMPS			32.6
ADD 25% LARGEST MOTOR LOAD								0.0
DEMAND LOAD		32613 VA			39.2 AMPS		0.0	0.0
SPARE CAPACITY ON PANEL							83%	32.6

CONDUIT: SEE SINGLE LINE DIAGRAM

WIRE: SEE SINGLE LINE DIAGRAM

NOTE:

PANEL "LF5"		- MAIN BREAKER				X - LUGS ONLY			
400 AMP 120/208V 3PH 4W		X - NEMA 1 X - SURFACE MNT				- NEMA 3R - FLUSH MNT			
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	BAND SAW	20	2	1440					1
2	WELDER ARC	100	2	9600					1
3	BAND SAW	-	-		1440				1
4	WELDER ARC	-	-		9600				1
5	WELDER ARC	100	2			9600			1
6	GRINDER WIRE WHEEL	20	2			1200			1
7	WELDER ARC	-	-	9600					1
8	GRINDER WIRE WHEEL	-	-	1200					1
9	SANDER ROTARY BELT	20	3		1383				1
10	IRON WORKER	30	3		3458				1
11	SANDER ROTARY BELT	-	-			1383			1
12	IRON WORKER	-	-			3458			1
13	SANDER ROTARY BELT	-	-	1383					1
14	IRON WORKER	-	-	3458					1
15	PARALLEL OGRAM LIFT	60	3		5580				1
16	PARALLEL OGRAM LIFT	60	3		5580				1
17	PARALLEL OGRAM LIFT	-	-			5580			1
18	PARALLEL OGRAM LIFT	-	-			5580			1
19	PARALLEL OGRAM LIFT	-	-	5580					1
20	PARALLEL OGRAM LIFT	-	-	5580					1
21	IRON WORKER	40	3		3000				1
22	ROTARY LIFT	20	2		1373				1
23	IRON WORKER	-	-			3000			1
24	ROTARY LIFT	-	-			1373			1
25	IRON WORKER	-	-	3000					1
26	ROTARY LIFT	20	2	1373					1
27	SPACE								
28	ROTARY LIFT	-	-		1373				1
29	SPACE								
30	SPACE								
31	SPACE								
32	SPACE								
33	SPACE								
34	SPACE								
35	SPACE								
36	SPACE								
37	SPACE								
38	SPACE								
39	SPACE								
40	SPACE								
41	SPACE								
42	SPACE								
PANEL CONNECTED LOAD / PHASE				42214	32787	31174			
PANEL CONNECTED LOAD				106175 VA	294.7 AMPS		0.0	0.0	106.2
ADD 25% CONTINUOUS LIGHTING LOAD							0.0		
DEDIT								0.0	
REMAINDER OVER 10KVA								0.0	
ADD 25% LARGEST MOTOR LOAD									0.0
PANEL DEMAND LOAD				106175 VA	294.7 AMPS		0.0	0.0	106.2
SPARE CAPACITY ON PANEL					26%				
CONDUIT: SEE SINGLE LINE DIAGRAM				WIRE: SEE SINGLE LINE DIAGRAM					
NOTE: PROVIDE ISOLATED GROUND BUS									

CONDUIT: SEE SINGLE LINE DIAGRAM

WIRE: SEE SINGLE LINE DIAGRAM

NOTE: PROVIDE ISOLATED GROUND BUS

750 KW GENERATOR									
1600 277/480V 3PH 4W									
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	SWBD "MSF"	1600	3	326235	299592	313839	0.1	0.2	0.7
CONNECTED LOAD / PHASE				326235	299592	313839			
CONNECTED LOAD				939666 VA	1130.3 AMPS				
ADD 25% CONTINUOUS LIGHTING LOAD							91.2	205.9	642.5
FIRST 10KVA OR LESS RECEPTACLE LOAD							22.8		
REMAINDER OVER 10KVA								10.0	
ADD 25% LARGEST MOTOR LOAD								98.0	
									0.0
EMERGENCY DEMAND LOAD				864.5 KVA	1039.9 AMPS	114.0	108.0	642.5	
SPARE CAPACITY ON PANEL					35%				

CONDUIT: SEE SINGLE LINE DIAGRAM

WIRE: SEE SINGLE LINE DIAGRAM

NOTE:

DIST. PANEL "DP1"		1600/3 - MAIN BREAKER						- LUGS ONLY	
1600 AMP 120/208V 3PH 4W		X - NEMA 1 X - SURFACE MNT						- NEMA 3R - FLUSH MNT	
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	SUBFEED PANEL "LF1"	200	3	15881	13290	13905	0.0	0.8	0.2
2	SUBFEED PANEL "LF2"	200	3	14530	13710	12990	0.0	1.0	0.0
3	SUBFEED PANEL "LF3"	400	3	28163	28487	33031	0.0	0.1	0.9
4	SUBFEED PANEL "LF4"	400	3	26286	30030	30451	0.0	0.0	1.0
5	SUBFEED PANEL "LF5"	400	3	42214	32787	31174	0.0	0.0	1.0
6	TVSS	30	3						
7	SUBFEED PANEL "LF6"	-	-	29717	28542	28542	0.0	0.1	0.9
8	SPACE	-	-						
9	SPACE	-	-						
10	SPACE	-	-						
11	SPACE	-	-						
12	SPACE	-	-						
PANEL CONNECTED LOAD / PHASE				156791	146846	150093			
PANEL CONNECTED LOAD				453730 VA	1259.5 AMPS		0.0	101.0	352.7
ADD 25% CONTINUOUS LIGHTING LOAD							0.0		
FIRST 10KVA OR LESS RECEPTACLE LOAD								10.0	
REMAINDER OVER 10KVA								45.5	
ADD 25% LARGEST MOTOR LOAD									0.0
PANEL DEMAND LOAD				408227 VA	1133.2 AMPS		0.0	55.5	352.7
SPARE CAPACITY ON PANEL					29%				

CONDUIT: SEE SINGLE LINE DIAGRAM

WIRE: SEE SINGLE LINE DIAGRAM

PANEL "LF4"		- MAIN BREAKER				- LUGS ONLY			
400 AMP 120/208V 3PH 4W		X - NEMA 1 X - SURFACE MNT				- NEMA 3R - FLUSH MNT			
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	SPARE	20	1						
2	SPARE	20	1						
3	COATS BALANCER	20	3		2075				1
5	AMMCO TIRE MACHINE	20	3			1107			1
6	COATS BALANCER	-	-			2075			1
7	AMMCO TIRE MACHINE	-	-	1107					1
8	COATS BALANCER	-	-	2075					1
9	AMMCO TIRE MACHINE	-	-		1107				1
10	SUN SMOG MACHINE	30	2		2400				1
11	MITER BAND SAW	20	2			1056			1
12	SUN SMOG MACHINE	-	-			2400			1
13	MITER BAND SAW	-	-	1056					1
14	CLAUSING BAND SAW	20	3	500					1
15	BOICE DRILL PRESS	20	3		1660				1
16	CLAUSING BAND SAW	-	-		500				1
17	BOICE DRILL PRESS	-	-			1660			1
18	CLAUSING BAND SAW	-	-			500			1
19	BOICE DRILL PRESS	-	-	1660					1
20	AUTO START GRINDER	20	3	1190					1
21	BELT SANDER	50	2		2400				1
22	AUTO START GRINDER	-	-		1190				1
23	BELT SANDER	-	-			2400			1
24	AUTO START GRINDER	-	-			1190			1
25	SPARE	20	1						
26	IRON WORKER	30	3	3458					1
27	SPARE	20	1						
28	IRON WORKER	-	-		3458				1
29	SPARE	20	1						
30	IRON WORKER	-	-			3458			1
31	SETAC VEHICLE LIFT	50	3	5533					1
32	ROTARY VEHICLE LIFT	30	2	1955					1
33	SETAC VEHICLE LIFT	-	-		5533				1
34	ROTARY VEHICLE LIFT	-	-		1955				1
35	SETAC VEHICLE LIFT	-	-			5533			1
36	BRAKE LATH	20	1			1320			1
37	ROTARY VEHICLE LIFT	30	3	2352					1
38	LANDA PARTS WASHER	60	3	5400					1
39	ROTARY VEHICLE LIFT	-	-		2352				1
40	LANDA PARTS WASHER	-	-		5400				1
41	ROTARY VEHICLE LIFT	-	-			2352			1
42	LANDA PARTS WASHER	-	-			5400			1
PANEL CONNECTED LOAD / PHASE PANEL LF4				26296	30030	30451			
PANEL CONNECTED LOAD				86767 VA	240.8 AMPS	0.0 0.0 86.8			
ADD 25% CONTINUOUS LIGHTING LOAD						0.0			
DDEDIT						0.0			
REMAINDER OVER 10KVA						0.0			
ADD 25% LARGEST MOTOR LOAD						0.0			
PANEL DEMAND LOAD				86767 VA	240.8 AMPS	0.0 0.0 86.8			
SPARE CAPACITY ON PANEL				40%					

PANEL "LF6"										
400 AMP 120/208V 3PH 4W										
- MAIN BREAKER										
X - NEMA 1										
X - SURFACE MNT										
X - LUGS ONLY										
- NEMA 3R										
- FLUSH MNT										
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC	
1	VEHICLE LIFT	50	3	4200					1	
2	VEHICLE LIFT	50	3	4200					1	
3	VEHICLE LIFT	-	-		4200				1	
4	VEHICLE LIFT	-	-			4200			1	
5	VEHICLE LIFT	-	-			4200			1	
6	VEHICLE LIFT	-	-			4200			1	
7	VEHICAL LIFT	50	3	4200					1	
8	VEHICLE LIFT	50	3	4200					1	
9	VEHICLE LIFT	-	-			4200			1	
10	VEHICLE LIFT	-	-			4200			1	
11	VEHICLE LIFT	-	-			4200			1	
12	VEHICLE LIFT	-	-			4200			1	
13	VEHICAL LIFT	50	3	4200					1	
14	AUTOMATIC GATES	20	1	1175					1	
15	VEHICLE LIFT	-	-		4200				1	
16	AUTOMATIC GATES	20	1	1175					1	
17	VEHICLE LIFT	-	-			4200			1	
18	AUTOMATIC GATES	20	1	1175					1	
19	SPARE	20	1						1	
20	AUTOMATIC GATES	20	1	1175					1	
21	BELT SANDER	30	3	2767					1	
22	TELECOMM RACK RECEPTACLE	20	1	1800					1	
23	BELT SANDER	-	-			2767			1	
24	TELECOMM RACK RECEPTACLE	20	1			1800			1	
25	BELT SANDER	-	-		2767				1	
26	TELECOMM RACK RECEPTACLE	20	1	1800					1	
27	TELECOMM RACK RECEPTACLE	20	1			1800			1	
28	SPARE	20	1						1	
29	TELECOMM RACK RECEPTACLE	20	1			1800			1	
30	SPARE	20	1						1	
31	TELECOMM RACK RECEPTACLE	20	1	1800					1	
32	SPARE	20	1						1	
33	SPARE	20	1						1	
34	SPARE	20	1						1	
35	SPARE	20	1						1	
36	SPARE	20	1						1	
37	SPARE	20	1						1	
38	SPARE	20	1						1	
39	SPARE	20	1						1	
40	SPARE	20	1						1	
41	SPARE	20	1						1	
42	SPARE	20	1						1	
PANEL CONNECTED LOAD / PHASE				29717	28542	28542				
PANEL CONNECTED LOAD				86801 VA	240.9 AMPS		0.0	10.8	73.2	
ADD 25% CONTINUOUS LIGHTING LOAD							0.0			
FIRST 10KVA OR LESS RECEPTACLE LOAD								10.0		
REMAINDER OVER 10KVA								0.4		
ADD 25% LARGEST MOTOR LOAD									0.0	
PANEL DEMAND LOAD				83634 VA	232.2 AMPS		0.0	10.4	73.2	
SPARE CAPACITY ON PANEL								42%		
CONDUIT: SEE SINGLE LINE DIAGRAM										
WIRE: SEE SINGLE LINE DIAGRAM										
NOTE:										

PANEL "LG3"										
225 AMP 120/208V 3PH 4W										
- MAIN BREAKER										
X - NEMA 1										
X - SURFACE MNT										
X - LUGS ONLY										
- NEMA 3R										
- FLUSH MNT										
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC	
1	RECEPTACLES	20	1	1080					1	
2	RECEPTACLES	20	1	1080					1	
3	RECEPTACLES	20	1		1080				1	
4	RECEPTACLES	20	1			1080			1	
5	RECEPTACLES	20	1			1080			1	
6	RECEPTACLES	20	1			1080			1	
7	RECEPTACLES	20	1	1080					1	
8	RECEPTACLES	20	1	1080					1	
9	RECEPTACLES	20	1		1080				1	
10	RECEPTACLES	20	1			1080			1	
11	RECEPTACLES	20	1			1080			1	
12	DRILL PRESS	20	1	1440					1	
13	ROLL UP DOOR	20	1	1175					1	
14	RECEPTACLES	20	1	1080					1	
15	ROLL UP DOOR	20	1		1175				1	
16	RECEPTACLES	20	1			1080			1	
17	ROLL UP DOOR	20	1			1175			1	
18	RECEPTACLES	20	1			1080			1	
19	ROLL UP DOOR	20	1	1175					1	
20	ROLL UP DOOR	20	1	1175					1	
21	RECEPTACLES	20	1		1080				1	
22	ROLL UP DOOR	20	1	1175					1	
23	RECEPTACLES	20	1			1080			1	
24	GH G-1, GH G-2, GH G-3, GH G-4, GH G-5	20	1			1644			1	
25	RECEPTACLES	20	1	1080					1	
26	GH G-6, GH G-7, GH G-8, GH G-9, GH G-10, GH G-11	20	1	1608					1	
27	AH G-1	15	2		90				1	
28	EF G-18	20	1	1175					1	
29	AH G-1	-	-			30			1	
30	SPARE	20	1						1	
31	SPARE	20	1						1	
32	SPARE	20	1						1	
33	SPARE	20	1						1	
34	SPARE	20	1						1	
35	SPARE	20	1						1	
36	SPARE	20	1						1	
37	SPARE	20	1						1	
38	SPARE	20	1						1	
39	SPARE	20	1						1	
40	SPARE	20	1						1	
41	SPARE	20	1						1	
42	SPARE	20	1						1	
PANEL CONNECTED LOAD / PHASE				11613	10035	9680				
PANEL CONNECTED LOAD				31337 VA	87.0 AMPS		0.0	25.4	4.5	
ADD 25% CONTINUOUS LIGHTING LOAD							0.0			
FIRST 10KVA OR LESS RECEPTACLE LOAD								10.0		
REMAINDER OVER 10KVA								7.7		
ADD 25% LARGEST MOTOR LOAD									0.0	
PANEL DEMAND LOAD				22192 VA	61.6 AMPS		0.0	17.7	4.5	
SPARE CAPACITY ON PANEL								73%		
CONDUIT: SEE SINGLE LINE DIAGRAM										
WIRE: SEE SINGLE LINE DIAGRAM										
NOTE: PROVIDE ISOLATED GROUND BUS										

PANEL "LG2"				- MAIN BREAKER		X - LUGS ONLY			
225 AMP 120/208V 3PH 4W				X - NEMA 1		- NEMA 3R			
				X - SURFACE MNT		- FLUSH MNT			
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	ROLL UP DOOR	20	1	1175				1	
2	DRILL PRESS	20	1	1200					1
3	ROLL UP DOOR	20	1		1175			1	
4	GRINDER	20	1		1200				1
5	ROLL UP DOOR	20	1			1175		1	
6	BELT SANDER	20	1			1200			1
7	RECEPTACLES	20	1	1080				1	
8	BF G-13 & BF G-14	20	1	1302					1
9	RECEPTACLES	20	1		1080			1	
10	BF G-12	20	1		596				1
11	RECEPTACLES	20	1			1080		1	
12	RECEPTACLES	20	1			1080		1	
13	REEL RECEPTACLES	20	1	360				1	
14	RECEPTACLES	20	1	1080				1	
15	REEL RECEPTACLES	20	1		360			1	
16	RECEPTACLES	20	1		1080			1	
17	GRINDER	20	2			1373			1
18	CHOP SAW	20	1			1800			1
19	GRINDER	-	-		1373				1
20	DRILL PRESS	20	1	1800					1
21	PARTS WASHER	20	1		1800				1
22	ROLL LIFT TABLE	20	1		1680				1
23	MIG WELDER	20	2			5200			1
24	RECEPTACLES	20	1			1080		1	
25	MIG WELDER	-	-		5200				1
26	RECEPTACLES WORK BENCH	20	1	1080				1	
27	MIG WELDER	20	2		5200				1
28	RECEPTACLES WORK BENCH	-	-		1080			1	
29	MIG WELDER	-	-			5200			1
30	RECEPTACLE	20	1			1000		1	
31	RECEPTACLES	20	1	1080				1	
32	RECEPTACLE	20	1	1000					1
33	RECEPTACLES	20	1		1260			1	
34	RECEPTACLE	20	1		1000			1	
35	RECEPTACLES	20	1			1080		1	
36	RECEPTACLE	20	1			1000		1	
37	SPARE	20	1						
38	SPARE	20	1						
39	SPARE	20	1						
40	SPARE	20	1						
41	SPARE	20	1						
42	SPARE	20	1						
PANEL CONNECTED LOAD / PHASE				17820	17611	22268			
PANEL CONNECTED LOAD				57699 VA	160.2 AMPS	0.0		21.4	36.3
ADD 25% CONTINUOUS LIGHTING LOAD						0.0			
FIRST 10KVA OR LESS RECEPTACLE LOAD								10.0	
REMAINER OVER 10KVA								5.7	
ADD 25% LARGEST MOTOR LOAD								0.0	
PANEL DEMAND LOAD				52007 VA	144.4 AMPS	0.0		15.7	36.3
SPARE CAPACITY ON PANEL					36%				
CONDUIT: SEE SINGLE LINE DIAGRAM				WIRE: SEE SINGLE LINE DIAGRAM					
NOTE: PROVIDE ISOLATED GROUND BUS									

EXISTING PANEL	"HB1A"			- MAIN BREAKER X - NEMA 1 X - SURFACE MNT	X - LUGS ONLY - NEMA 3R - FLUSH MNT				
225	AMP	277/480V 3PH 4W							
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	LIGHTING	20	1	3824			1		
2	LIGHTING N/L	20	1	384			1		
3	LIGHTING	20	1		2112		1		
4	LIGHTING	20	1		2688		1		
5	LIGHTING	20	1			2368	1		
6	LIGHTING	20	1			2432	1		
7	EXTERIOR LIGHTING	20	1	2900			1		
8	LIGHTING	20	1	3136			1		
9	PAINT BOOTH 10HP	20	3		3883				1
10	PAINT BOOTH 3HP	15	3		1331				1
11	PAINT BOOTH 10HP	-	-			3883			1
12	PAINT BOOTH 3HP	-	-			1331			1
13	PAINT BOOTH 10HP	-	-		3883				1
14	PAINT BOOTH 3HP	-	-		1331				1
15	PAINT BOOTH 3HP	15	3		1331				1
16	PAINT BOOTH LIGHTS	20	1		1662		1		
17	PAINT BOOTH 3HP	-	-			1331			1
18	LIGHTING CONTROL	20	1			200			
19	PAINT BOOTH 3HP	-	-	1331					1
20	TEST STATION	20	3	500					1
21	TEST STATION	20	1		500				1
22	TEST STATION	-	-		500				1
23	SPARE	20	1						
24	TEST STATION	-	-			500			1
25	SPARE	20	1						
26	SPARE	20	1						
27	SPARE	20	1						
28	SPARE	20	1						
29	SPARE	20	1						
30	SPARE	20	1						
31	SPARE	20	1						
32	EXHAUST FAN EF-B-1	15	3	1331					1
33	SPARE	20	1						
34	EXHAUST FAN EF-B-1	-	-		1331				1
35	SPARE	20	1						
36	EXHAUST FAN EF-B-1	-	-			1331			1
37	EXHAUST FAN EF-B-2	15	3	1331					1
38	EXISTING PANEL LB1A	70	3	13885			0.0	0.7	0.3
39	EXHAUST FAN EF-B-2	-	-		1331				1
40	EXISTING PANEL LB1A	-	-		10943		0.0	0.7	0.3
41	EXHAUST FAN EF-B-2	-	-			1331			1
42	EXISTING PANEL LB1A	-	-			8532	0.0	0.7	0.3
PANEL CONNECTED LOAD / PHASE				33736	27612	23239			
PANEL CONNECTED LOAD				84587 VA	101.7 AMPS		21.4	22.9	40.1
ADD 25% CONTINUOUS LIGHTING LOAD							5.4		
FIRST 10KVA OR LESS RECEPTACLE LOAD								10.0	
REMAINDER OVER 10KVA								6.4	
ADD 25% LARGEST MOTOR LOAD									0.0
PANEL DEMAND LOAD				83292 VA	100.2 AMPS		26.8	16.4	40.1
SPARE CAPACITY ON PANEL					55%				
CONDUIT: SEE SINGLE LINE DIAGRAM WIRE: SEE SINGLE LINE DIAGRAM									

EXISTING PANEL		"HB1B"		- MAIN BREAKER X - NEMA 1 X - SURFACE MNT			X - LUGS ONLY - NEMA 3R - FLUSH MNT			
225 AMP 277/480V 3PH 4W										
CKT	DESCRIPTION / LOCATION		BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	LIGHTING		20	1	3264			1		
2	LIGHTING		20	1	1440			1		
3	LIGHTING		20	1		3072		1		
4	SPARE		20	1						
5	LIGHTING		20	1			2560	1		
6	SPARE		20	1						
7	SPARE		20	1						
8	SPARE		20	1						
9	SPARE		20	1						
10	SPARE		20	1						
11	SPARE		20	1						
12	SPARE		20	1						
13	SPARE		20	1						
14	SPARE		20	1						
15	SPARE		20	1						
16	SPARE		20	1						
17	SPARE		20	1						
18	SPARE		20	1						
19	SPARE		20	1						
20	SPARE		20	1						
21	SPARE		20	1						
22	SPARE		20	1						
23	SPARE		20	1						
24	SPARE		20	1						
25	SPARE		20	1						
26	SPARE		20	1						
27	SPARE		20	1						
28	SPARE		20	1						
29	SPARE		20	1						
30	SPARE		20	1						
31	SPARE		20	1						
32	CU B-1		15	3	1387					1
33	SPARE		20	1						
34	CU B-1		-	-		1387				1
35	SPARE		20	1						
36	CU B-1		-	-			1387			1
37	AC UNIT		20	3	3300					1
38	TRANSFORMER "TB2" (LB2)		175	3	29513			0.0	0.5	0.5
39	AC UNIT		-	-		3300				1
40	TRANSFORMER "TB2" (LB2)		-	-		29204		0.0	0.5	0.5
41	AC UNIT		-	-			3300			1
42	TRANSFORMER "TB2" (LB2)		-	-			23194	0.0	0.5	0.5
PANEL CONNECTED LOAD / PHASE					38904	36963	30441			
PANEL CONNECTED LOAD					106308 VA	127.9 AMPS		10.3	38.8	57.2
ADD 25% CONTINUOUS LIGHTING LOAD								2.6		
FIRST 10KVA OR LESS RECEPTACLE LOAD									10.0	
REMAINDER OVER 10KVA									14.4	
ADD 25% LARGEST MOTOR LOAD										0.0
PANEL DEMAND LOAD					94488 VA	113.7 AMPS		12.9	24.4	57.2
SPARE CAPACITY ON PANEL						49%				
CONDUIT: SEE SINGLE LINE DIAGRAM					WIRE: SEE SINGLE LINE DIAGRAM					

EXISTING PANEL	"LB1A"	225 AMP 120/208V 3PH 4W	150/3 - MAIN BREAKER X - NEMA 1 - SURFACE MNT	X - LUGS ONLY - NEMA 3R - FLUSH MNT					
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	SPARE	20	1						
2	RECEPTACLE	20	1	1080					
3	RECEPTACLE	20	1		900			1	
4	RECEPTACLE	20	1		1080				
5	RECEPTACLE	20	1			1080		1	
6	WORK BENCH	20	1			1080			
7	RECEPTACLE	20	1	1080				1	
8	RECEPTACLE / WORK BENCH	20	1	1080					
9	RECEPTACLE	20	1		1080			1	
10	RECEPTACLE	20	1		1080			1	
11	PAULI & GRIFFIN SANDBLASTER	20	3			720			1
12	RECEPTACLE / WORK BENCH	20	1			900		1	
13	PAULI & GRIFFIN SANDBLASTER	-	-	720					1
14	1-TON HOIST	20	1	1560					1
15	PAULI & GRIFFIN SANDBLASTER	-	-		720				1
16	DAYTON BENCH TOP GRINDER	20	1		528			1	
17	DAYTON DRILL PRESS	20	1			960		1	
18	CENTRAL SCIENTIFIC OVEN	20	2			1000			1
19	SAFETY KLEEN PARTS WASHER	20	1	1440				1	
20	CENTRAL SCIENTIFIC OVEN	-	-	1000					1
21	SPARE	20	1						
22	TF / B-4 & B-6	20	1		744				1
23	SPARE	20	1						
24	SPARE	20	1						
25	GH / B-5 & B-6	20	1		1080				1
26	EF / B-5 & B-6	20	1		984				1
27	SPARE	20	1						
28	GH / B-2 & B-3	20	1			636			1
29	GH / B-4	20	1				480		1
30	GH / B-1	20	1				312		1
31	TF / B-2 & B-3	20	1		511				1
32	REFRIGERATOR	20	1	1000				1	
33	COFFEE MAKER	20	1		1000				
34	RECEPTACLE	20	1		1000			1	
35	GARBAGE DISP	20	1			1000			
36	RECEPTACLE	20	1			1000			
37	ROOL-UP DOOR	20	1		1175				1
38	ROOL-UP DOOR	20	1		1175				1
39	ROOL-UP DOOR	20	1			1175			1
40	MICROWAVE	-	-			1000		1	
41	SPARE	20	1						
42	SPARE	20	1						
PANEL "LB1A" CONNECTED LOAD / PHASE					13885	10943	8532		
PANEL "LB1B" CONNECTED LOAD / PHASE					2080	1000	1000		
PANEL CONNECTED LOAD				37440 VA	103.9 AMPS		0.0	24.0	13.5
ADD 25% CONTINUOUS LIGHTING LOAD							0.0		
FIRST 10KVA OR LESS RECEPTACLE LOAD								10.0	
REMAINDER OVER 10KVA								7.0	
ADD 25% LARGEST MOTOR LOAD									0.0
PANEL DEMAND LOAD				30454 VA	84.5 AMPS		0.0	17.0	13.5
SPARE CAPACITY ON PANEL					62%				
CONDUIT: SEE SINGLE LINE DIAGRAM WIRE: SEE SINGLE LINE DIAGRAM									
NOTE: PROVIDE FEED THRU LUGS									

EXISTING PANEL		"LB1B"		150/3 - MAIN BREAKER X - NEMA 1 - SURFACE MNT			X - LUGS ONLY - NEMA 3R X - FLUSH MNT		
225 AMP 120/208V 3PH 4W									
CKT	DESCRIPTION / LOCATION	BRKR	POLE	Aph	Bph	Cph	LTS	RCP	SPC
1	RECEPTACLE	20	1	1080				1	
2	TEST STATION	20	3	500					1
3	TEST STATION	20	2		500				1
4	TEST STATION	-	-			500			1
5	TEST STATION	-	-				500		1
6	TEST STATION	-	-					500	1
7	TEST STATION	20	1	500					1
8	SPARE	20	1						
9	SPARE	20	1						
10	SPARE	20	1						
11	SPARE	20	1						
12	SPARE	20	1						
13	SPARE	20	1						
14	SPARE	20	1						
15	SPARE	20	1						
16	SPARE	20	1						
17	SPARE	20	1						
18	SPARE	20	1						
19	SPARE	20	1						
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30	SPARE	20	1						
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32	SPARE	20	1						
33	SPARE	20	1						
34	SPARE	20	1						
35	SPARE	20	1						
36	SPARE	20	1						
37	SPARE	20	1						
38	SPARE	20	1						
39	SPARE	20	1						
40	SPARE	20	1						
41	SPARE	20	1						
42	SPARE	20	1						
PANEL CONNECTED LOAD / PHASE				2080	1000	1000			
PANEL CONNECTED LOAD				4080 VA	11.3 AMPS		0.0	1.1	3.0
ADD 25% CONTINUOUS LIGHTING LOAD							0.0		
FIRST 10KVA OR LESS RECEPTACLE LOAD								1.1	
REMAINDER OVER 10KVA								0.0	
ADD 25% LARGEST MOTOR LOAD									0.0
PANEL DEMAND LOAD				4080 VA	11.3 AMPS		0.0	1.1	3.0
SPARE CAPACITY ON PANEL					95%				
CONDUIT: SEE SINGLE LINE DIAGRAM				WIRE: SEE SINGLE LINE DIAGRAM					
NOTE:									

CERTIFICATE OF COMPLIANCE			(Part 1 of 2)		OLTG-1-C	
PROJECT NAME CENTRAL SERVICE YARD PHASE II			DATE 4/10/2006		Building Permit Checked by Date Enforcement Agency Use	
PROJECT ADDRESS 1661 SENTER RD.						
PRINCIPAL DESIGNER/LIGHTING ALAN HOWERY			TELEPHONE (589) 255-8992			
DOCUMENTATION AUTHORITY ALAN HOWERY			TELEPHONE (589) 255-8992			
GENERAL INFORMATION						
DATE OF PLANS 4/10/2006		OUTDOOR LIGHTING ZONE (✓ One)		☐ L21 ☒ L22 ☒ L23 ☐ L24		
FUNCTION TYPE		☒ OUTDOOR LIGHTING		☐ INDOOR SIGNS		
PHASE OF CONSTRUCTION		☒ NEW CONSTRUCTION		☐ ALTERATIONS		
☐ ADDITIONS						
STATEMENT OF COMPLIANCE						
This Certificate of Compliance lists outdoor lighting system specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements.						
The documentation preparer hereby certifies that the documentation is accurate and complete.						
DOCUMENTATION AUTHORITY ALAN HOWERY			SIGNATURE		DATE 4/10/2006	

The Principal Lighting Designer hereby certifies that the proposed outdoor lighting and signs design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the lighting requirements contained in the applicable parts of Sections 110, 119.130 through 122, 146, and 146B of Title 24, Part 6, **Division 6** ✓ one.

☐ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.

☒ I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5637.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

☐ I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

(These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)

PRINCIPAL LIGHTING DESIGNER-NAME ALAN HOWERY	SIGNATURE	DATE 4/10/2006	LIC. # 187524
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INSTRUCTIONS TO APPLICANT OUTDOOR LIGHTING COMPLIANCE & WORKSHEETS (box if worksheet is included)	
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the <i>Nonresidential Manual</i> published by the California Energy Commission.	
☐ QLTG-1-C	Complete or Complete/Partial. Required on plans for all submittals for outdoor lighting. Part 2 of 2 may be incorporated in schedules on the plans. Either LTG-1-C or QLTG-1-C may be used for signs as follows: 1. Use LTG-1-C if the project consists solely of indoor signs 2. Use LTG-1-C if the project consists of indoor lighting, and indoor or outdoor signs, but no other outdoor lighting 3. Use QLTG-1-C if the project consists solely of outdoor signs 4. Use QLTG-1-C if the project consists of outdoor lighting, and indoor or outdoor signs, but no other indoor lighting
☐ QLTG-2-C	LIGHTING COMPLIANCE SUMMARY: Applicable Parts required for ALL outdoor lighting allowances (Except for Signs)
☐ QLTG-3-C	AREA CALCULATIONS WORKSHEETS: Applicable parts required for all outdoor area calculations.
☐ QLTG-4-C	SIGN LIGHTING COMPLIANCE: Required for all internally and externally illuminated signs, for both indoor and outdoor signs.

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CERTIFICATE OF COMPLIANCE (Part 1 of 2) OLTG-1-0			
PROJECT NAME CENTRAL SERVICE YARD PHASE II, BLDG. B			DATE 4/10/2006
PROJECT ADDRESS 1661 SENTER RD. PRINCIPAL DESIGNER/LIGHTING ALAN HOWERY DOCUMENTATION AUTHORITY ALAN HOWERY		TELEPHONE (569) 255-8992 TELEPHONE (569) 255-8992	Building Permit Checked by Date Enforcement Agency/ User
GENERAL INFORMATION			
DATE OF PLANS 4/10/2006	OUTDOOR LIGHTING ZONE (✓ One) ☐ LZ1 ☒ LZ2 ☐ LZ3 ☐ LZ4		
FUNCTION TYPE ☒ OUTDOOR LIGHTING ☐ OUTDOOR SIGNS ☒ NEW CONSTRUCTION ☐ AUDITIONS ☐ AL T E R A T I O N S			
STATEMENT OF COMPLIANCE			
This Certificate of Compliance lists outdoor lighting system specifications needed to comply with Title 24, Parts 1 and 8 of the California Code of Regulations. This certificate applies only to building lighting requirements. The documentation preparer hereby certifies that the documentation is accurate and complete.			
DOCUMENTATION AUTHORITY ALAN HOWERY		SIGNATURE	DATE 4/10/2006

The Principal Lighting Designer hereby certifies that the proposed outdoor lighting and signs design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the lighting requirements contained in the applicable parts of Sections 110.119, 130 through 132, 146, and 149 of Title 24, Part 6. **Please v one:**

☐ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect.

☒ I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

☐ I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

PRINCIPAL LIGHTING DESIGNER-NAME ALAN HOWERY	SIGNATURE	DATE 4/10/2006	LIC. # 187524
---	-----------	-------------------	------------------

INSTRUCTIONS TO APPLICANT OUTDOOR LIGHTING COMPLIANCE & WORKSHEETS (✓ box if worksheet is included)	
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonsentential Manual provided by the California Energy Commission.	
☒ LTG-1-C	Certificate of Compliance. Required on plans for all submissions for outdoor lighting. Part 2 of 2 may be incorporated in schedules on the plans. Either LTG-1-C or LTG-1-C may be used for signs as follows: 1. Use LTG-1-C if the project consists solely of indoor signs. 2. Use LTG-1-C if the project consists of indoor signs and/or indoor or indoor signs, but no other outdoor lighting. 3. Use LTG-1-C if the project consists solely of outdoor signs. 4. Use LTG-1-C if the project consists of outdoor lighting, and indoor or outdoor signs, but no other indoor lighting.
☒ LTG-2-C	LIGHTING COMPLIANCE SUMMARY. Applicable Parts required for ALL outdoor lighting allowances (Except for Signs)
☒ LTG-3-C	AREA CALCULATIONS WORKSHEETS. Applicable parts required for all outdoor area calculations.
☐ LTG-4-C	SIGN LIGHTING COMPLIANCE. Required for all internally and externally illuminated signs, for both indoor and outdoor signs.

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CERTIFICATE OF COMPLIANCE		(Part 2 of 2)	OLTG-1-C
PROJECT NAME CENTRAL SERVICE YARD PHASE I, SITE			DATE 4/10/2006
Lighting Schedules on Plans Show that Outdoor Lighting Meets Allowed Lighting Power			
☒	Lighting power allowances for general site illumination on OLTG-2-C Part 1 of 4		
☐	Not Applicable		
☐	Lighting power allowances for local ordinances or for security multipliers on OLTG-2-C Part 2 of 4		
☐	Not Applicable		
☐	Lighting power allowances for specific applications, other than vehicle service stations with canopies on OLTG-2-C Part 3 of 4		
☐	Not Applicable		
☒	Lighting power allowances for vehicle service station canopies on OLTG-2-C Part 4 of 4		
☐	Not Applicable		
☒	Sign lighting compliance on OLTG-4-C		
☐	Not Applicable		
Mandatory Measures on Plans Show that Outdoor Lighting Meets Outdoor Lighting Controls and Equipment			
indicate location on plans of Note Block for Mandatory Measure E01.06			

☒	Installed lighting power has been determined in accordance with § 132(c)1	☐
☐	Not Applicable	☐
☒	All permanently installed luminaires with lamps rated over 100 watts either have a lamp efficacy of at least 60 lumens per watt or are controlled by a motion sensor § 132(a)	☐
☐	Not Applicable	☐
☒	All luminaires with lamps rated greater than 175 watts in hardcape areas, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Cutoff Requirements of § 132(b)	☐
☐	Not Applicable	☐
☒	All permanently installed outdoor lighting meets the Control Requirements of § 132(c)1	☐
☐	Not Applicable	☐
☒	Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requirements of § 132(c)2	☐
☐	Not Applicable	☐

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LIGHTING COMPLIANCE SUMMARY										(Part 1 of 4)	OLTG-2-C		
PROJECT NAME CENTRAL SERVICE YARD PHASE II SITE										Date:	4/10/2006		
LIGHTING POWER ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A)													
A	B	C	D	E	F	G	H	I	J	K	L M N O		
	Allotted Watts				Luminaire Description		Lamps per Lum.	Data Ballasts			Installed Watts		
	Area (sq ft) Length (ft)	Assumed FPD W/LF or WLF	Added Watts (B x C)	Code for Luminaire Type	Description	Lamp Type	Number of Lamps per Luminaire	Watts per Lamp	Watts per luminaire	Number of luminaire	✓ if CEC Default Number of Luminaire Watts (L x N)	Totalled Watts	
Lighting Applications Category (Table 147-A)													
HARDSCAPE FOR PARKING	303164	0.15	45475	C	SEE SCHEDULE FULL	LPS	1	180	1	200	√	39 7600	
				C1	SEE SCHEDULE FULL	LPS	1	180	1	200	√	2 400	
				G1	SEE SCHEDULE FULL	LPS	1	180	1	200	√	7 1400	
				G2	SEE SCHEDULE FULL	LPS	2	180	1	400	√	12 4800	
				H	NONE SEE SCHEDULE	NONE HPS	1	70	1	85	√	16 1360	
				H1	SEE SCHEDULE NONE	HPS	1	70	1	85	√	5 425	
				P	SEE SCHEDULE NONE	HPS	1	250	1	270	√	16 4320	
	Total Allotted Watts			45475									
											Total Installed Watts		20505

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CITY OF

SAN JOSE

CITY OF SILICON VALLEY

CENTRAL SERVICE YARD

PHASE II PROJECT

DEPARTMENT OF PUBLIC WORKS

CITY FACILITIES ARCHITECTURAL SERVICES DIV.

200 E. SANTA CLARA STREET

SAN JOSE, CA 95131

PROJECT MANAGER: MARY FOLLENWEIDER

VOICE:(408)935-4371

FAX:(408)292-4288

PROJECT ADDRESS:

1661 CENTER ROAD

SAN JOSE, CALIFORNIA

PROJECT NO: 084

DEPT FILE NO:

**Fentress
Bradburn**
ARCHITECTS LTD.
Architecture • Interiors • Planning
1800-363-7222
Denver, Colorado 80203 Fax (303) 722-0090



**HENSEL PHELPS
CONSTRUCTION CO.**

2107 N. First Street, Ste. 101
Olathe, KS 66061
(800) 452-1400 Fax: (800) 452-1455

DRAWING TITLE:
TITLE 24

DRAWN BY:

PROJECT # **200525.000**

SHEET NUMBER

E0.1.06

4/21/2006 3:04 PM
E0.1.06.dwg

Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way. If an item in this document is altered, the altering architect, if other than the architect of record, shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

CERTIFICATE OF COMPLIANCE				(Part 1 of 4)	LTG-1006
PROJECT NAME CENTRAL SERVICE YARD PHASE II, BLDG. G				DATE 4/10/2006	
PROJECT ADDRESS 1661 SENTER RD.				Building Permit 	
PERSONAL DESIGNER/LIGHTING ALAN HOWERY				TELEPHONE (559) 255-8992	
DOCUMENTATION AUTHOR ALAN HOWERY				TELEPHONE (559) 255-8992	
GENERAL INFORMATION				Checked by/Date Enforcement Agency Use	
DATE OF PERMITS 4/10/2006		BUILDING CONDITIONED FLOOR AREA 31,968 SQ. FT.		CLIMATE ZONE 	
BUILDING TYPE CONDITIONED SPACES		☐ UNCONDITIONED SPACES		☐ HIGH RISE RESIDENTIAL	
☐ UNCONDITIONED SPACES		☐ INDOOR / OUTDOOR SIGNS		☐ HOTEL/MOTEL GUEST	
PHASE OF CONSTRUCTION NEW		☐ ADDITION		☐ ALTERATION	
METHOD OF COMPLIANCE					
☐ PERFORMANCE ☐ COMPLETE BUILDING ☒ AREA CATEGORY ☐ TAILORED ☐ COMMON LIGHTING					
STATEMENT OF COMPLIANCE					
The Certificate of Compliance lists the building features and performance specifications need comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building lighting requirements. The documentation prepared hereby certifies that the documentation is accurate and complete.					
DOCUMENTATION AUTHOR ALAN HOWERY				SIGNATURE 	
				DATE 4/10/2006	
The Principal Lighting Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet lighting requirements contained in applicable parts of Sections 110, 119, 130-132, 146, 148, & 149 of					
☐ The plans & specifications meet the requirements of Part 6 (Sections 10-103a). ☐ The installation certificates meet the requirements of Part 6 (10-103a). ☐ The operation & maintenance information meet the requirements of Part 6 (10-103a).					
Please check one: (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.) ☐ I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am licensed in the State of California as a civil engineer or electrical engineer, or I am a licensed architect. ☒ I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign by sections 5537-2 or 6737-3 to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work. ☐ I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737-1.					
PERSONAL LIGHTING DESIGNER NAME ALAN HOWERY				SIGNATURE 	
				DATE 4/10/2006	
				LIC. # 187524	
LIGHTING MANDATORY MEASURES					
☒ Indicate location on plans to Note Block for Mandatory Measure BD-1.66					
LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)					
☐ LTG-1-C, Parts 1 of 4 and 2 of 4		Certificate of Compliance. Part 1 of 4 and 2 of 4 are required for all submittals			
☐ LTG-1-C, Part 3 of 4		Certificate of Compliance. Part 3 of 4 submittal is required only if Control Credits are claimed			
☐ LTG-1-C, Part 4 of 4		Certificate of Compliance. Part 4 of 4 submittal is required when lighting controls are installed			
☒ LTG-2-C		Interior Lighting Schedule			
☐ LTG-3-C		Portable Lighting Worksheet			
☐ LTG-4-C		Lighting Controls Grid Worksheet			
☐ LTG-5-C		Interior Lighting Power Allowance			
☐ LTG-6-C		Tailored Method Worksheet			
☐ LTG-7-C		Room Cavity Ratio Worksheet			
☐ LTG-8-C		Common Lighting Systems Method Worksheet			
☐ LTG-9-C		Line Voltage Tracing Worksheet			
☐ CLTG-4-C		Signs (See CLTG-4-C Sign Worksheet in Chapter 6, Outdoor Lighting and Signs Chapter)			

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CERTIFICATE OF COMPLIANCE		(Part 2 of 4)	LTG-1-C
PROJECT NAME CENTRAL SERVICE YARD PHASE II, BLDG. G		DATE 4/10/2006	
INSTALLED INTERIOR LIGHTING POWER FOR CONDITIONED AND UNCONDITIONED			
		INSTALLED WATTS	
INSTALLED LIGHTING, CONDITIONED SPACES (From LTG-2-C)		25664	
PORTABLE LIGHTING (From LTG-3-C)			
LIGHTING CONTROL, CREDIT, CONDITIONED SPACES (From LTG-4-C)			
CONDITIONED SPACE ADJUSTED INSTALLED LIGHTING POWER		25664	
INSTALLED LIGHTING, UNCONDITIONED SPACES (From LTG-2-C)			
LIGHTING CONTROL, CREDIT, UNCONDITIONED SPACES (From LTG-4-C)			
UNCONDITIONED SPACE ADJUSTED INSTALLED LIGHTING POWER			
ALLOWED INTERIOR LIGHTING POWER FOR CONDITIONED SPACES			
☒ COMPLETE BUILDING METHOD (from LTG-5-C) ☒ AREA CATEGORY METHOD (from LTG-5-C) ☐ TAILORED METHOD (from LTG-5-C)			
		ALLOWED WATTS	
ALLOWED LIGHTING POWER		33093	

ALTERNATE COMPLIANCE	
☒ PERFORMANCE METHOD ☐ COMMON LIGHTING SYSTEM (from LTG-8-C)	ALLOWED INTERIOR LIGHTING POWER FOR UNCONDITIONED SPACES (From LTG-5-C) Watts

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CITY OF SAN JOSE
CITY OF SILICON VALLEY

DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
1000 ALVARADO STREET
SAN JOSE, CA 95111
VOICE: (408)535-5371

CENTRAL SERVICE YARD
PHASE II PROJECT

PROJECT ADDRESS:
1661 SENTER ROAD
SAN JOSE, CALIFORNIA

PROJECT NO: 684
DEPT FILE NO.:

CONSULTANT:



HOWE
Electric Inc.
1655 "A" Ave. Suite 100
CONCORD, CA 94520
CONTRACT NO. # 07294 CMB C-10

PROJECT ADDRESS:
1661 SENTER ROAD
SAN JOSE, CALIFORNIA

PROJECT NO: 684
DEPT FILE NO.:

ISSUED FOR:

PERMIT SET

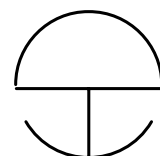
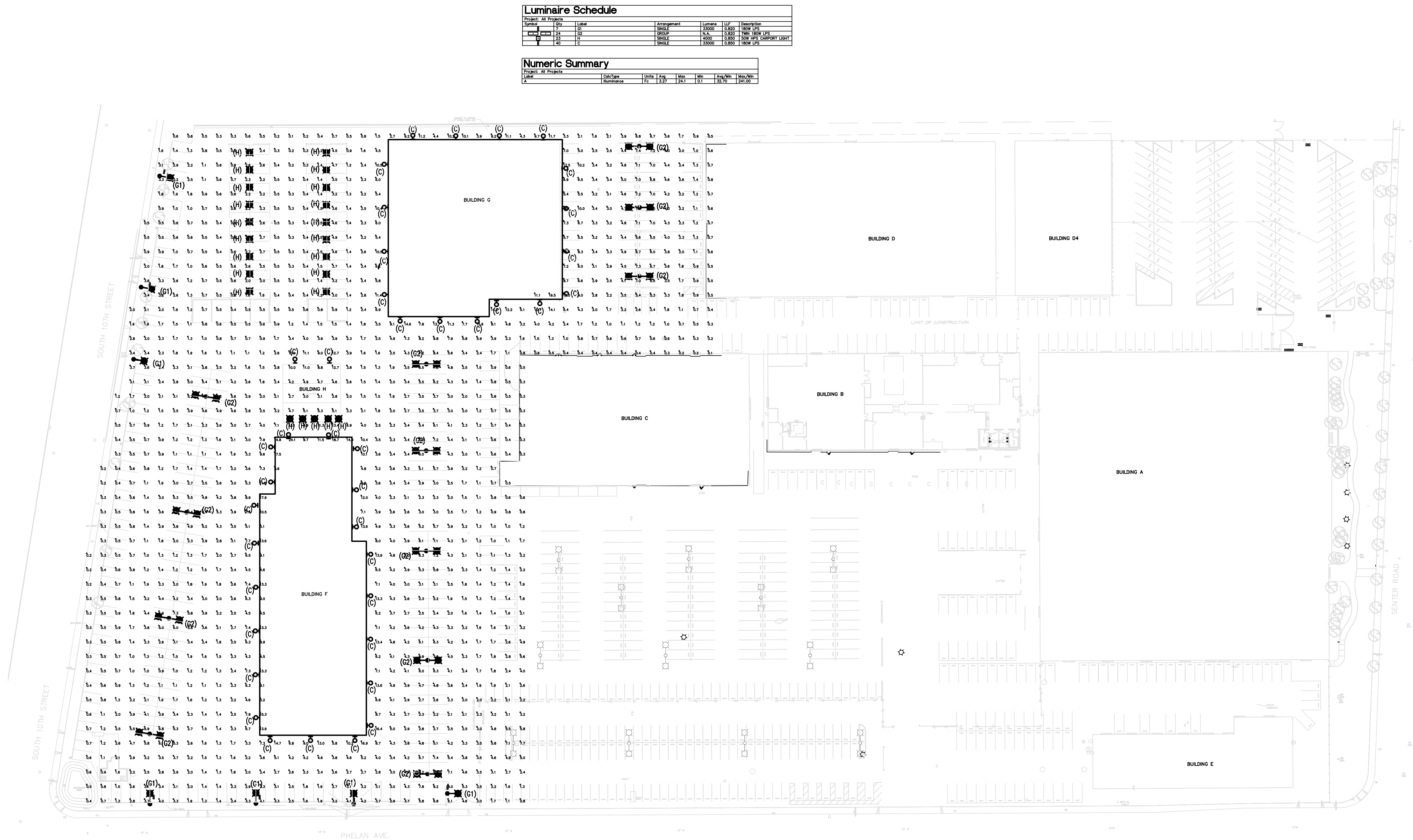
DATE:

24APR06

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(303) 732-5000
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CONSTRUCTION CO.**
2107 N. First Street, Ste. 101
Denver, CO 80202
(416) 452-1600 Fax: (416) 452-1655

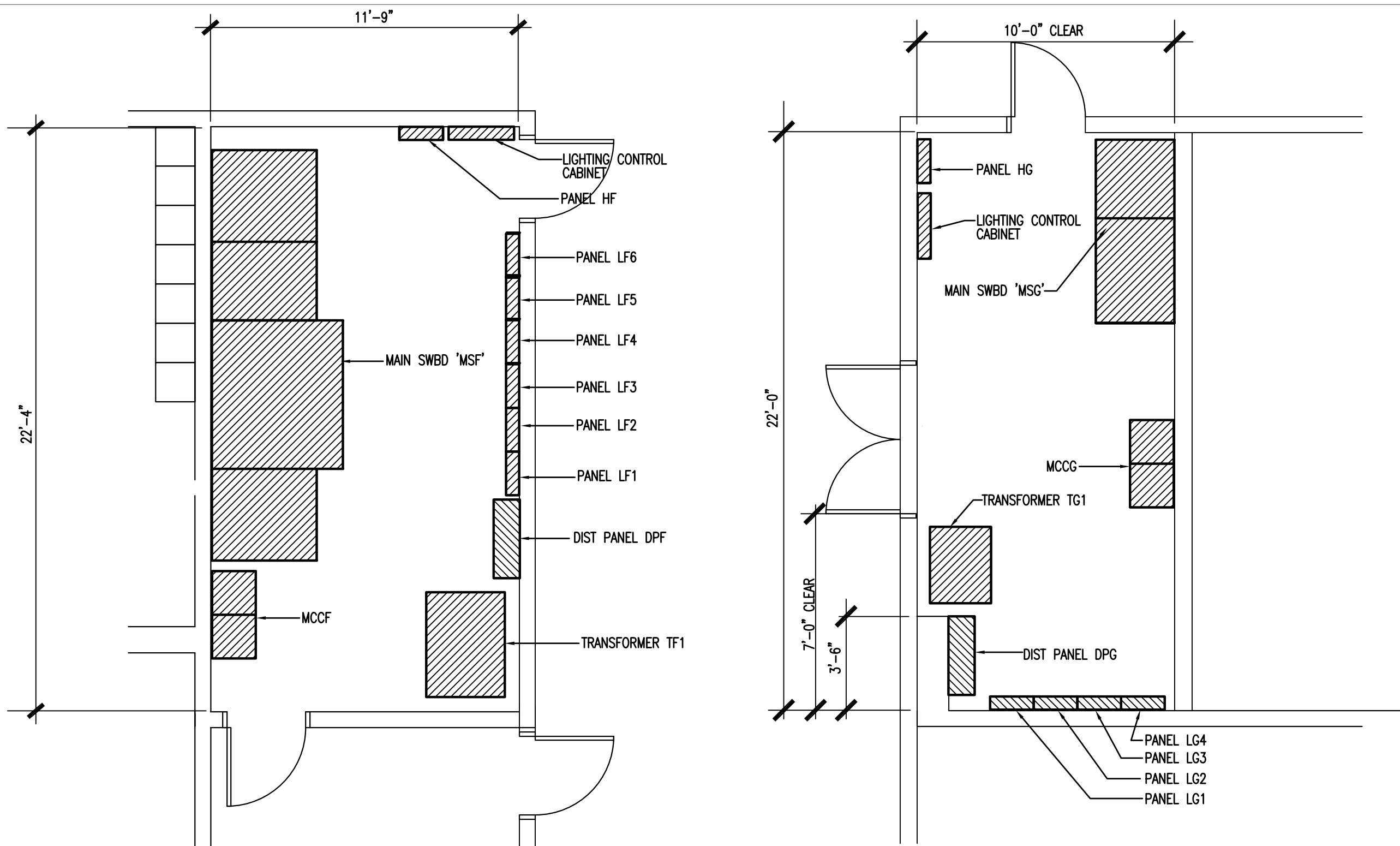
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DRAWN BY:	
PROJECT #	200525.000
SHEET NUMBER	
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PHOTOMETRIC SITE PLAN

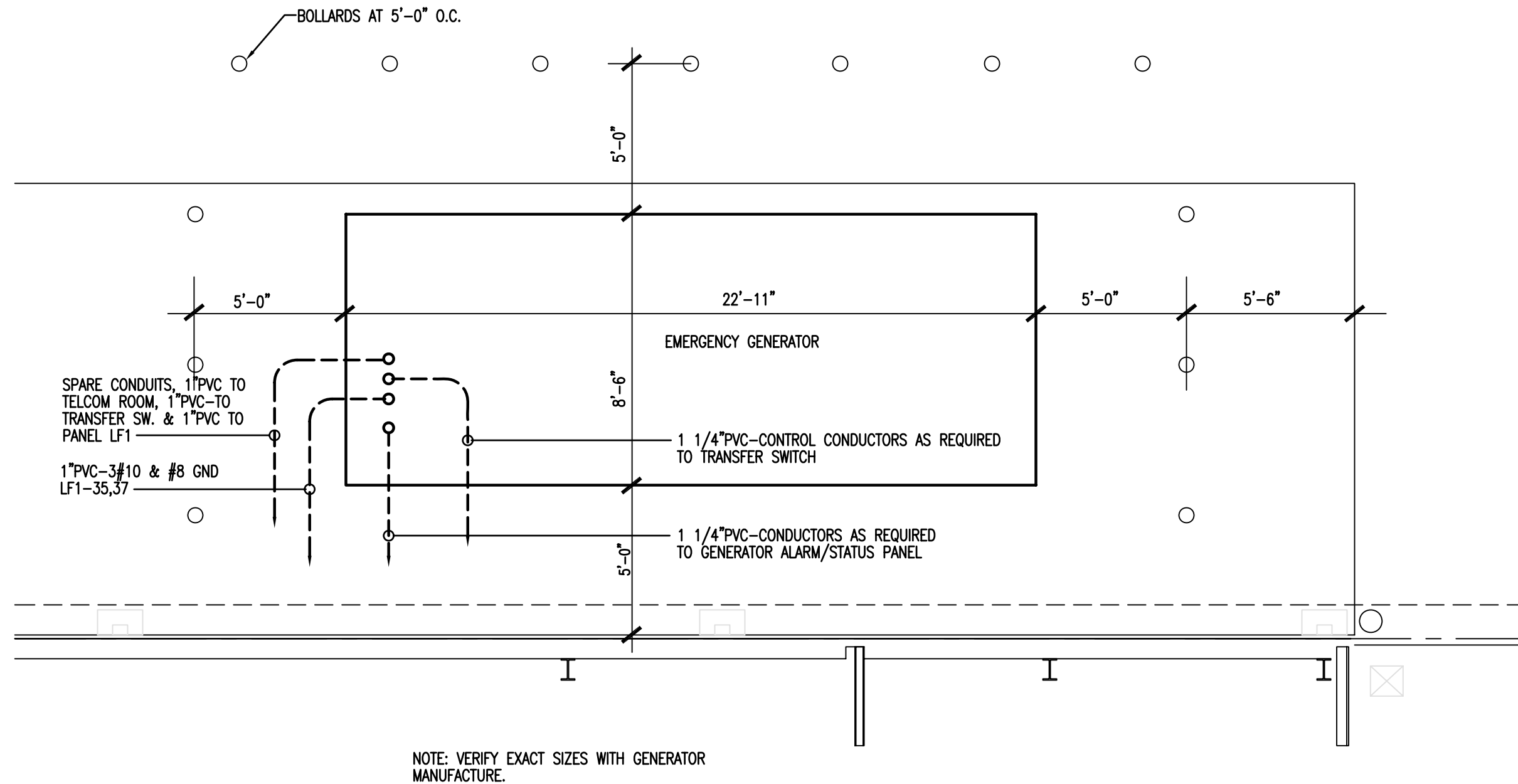
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SCALE: 1" = 60'-0"

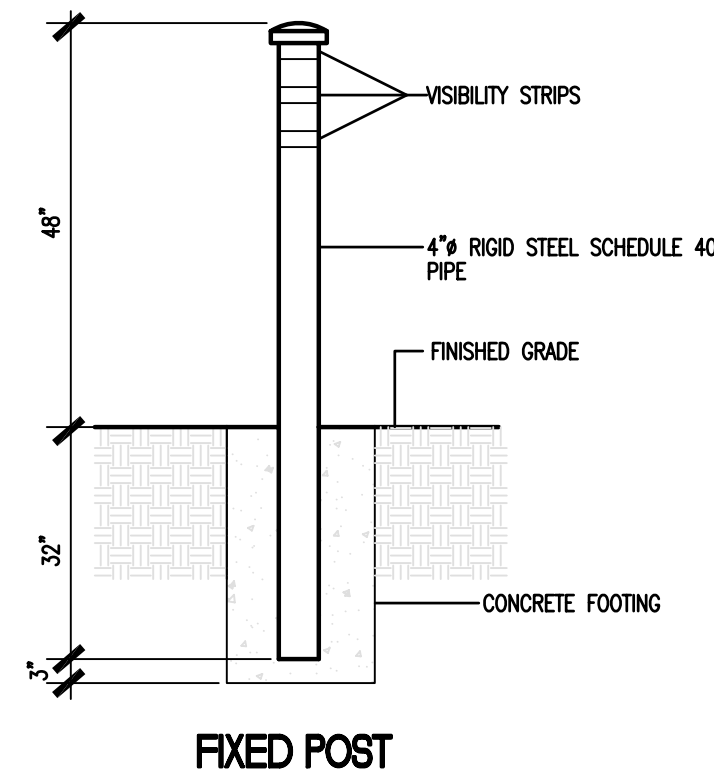


1 BLDG. 'F' ELECTRIC ROOM
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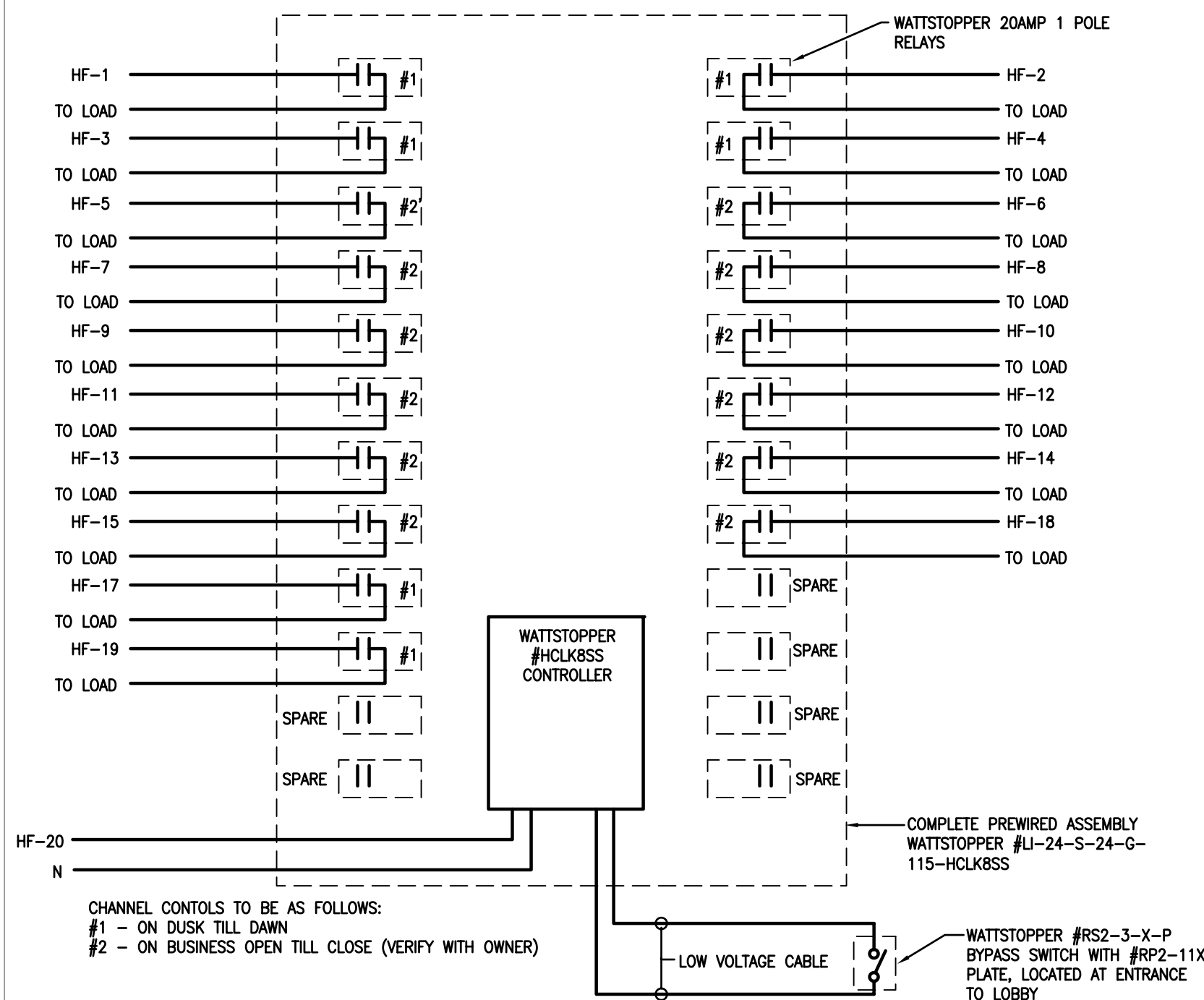
2 BLDG. 'G' ELECTRIC ROOM
E2.1.01 SCALE: 1/4"=1'-0"



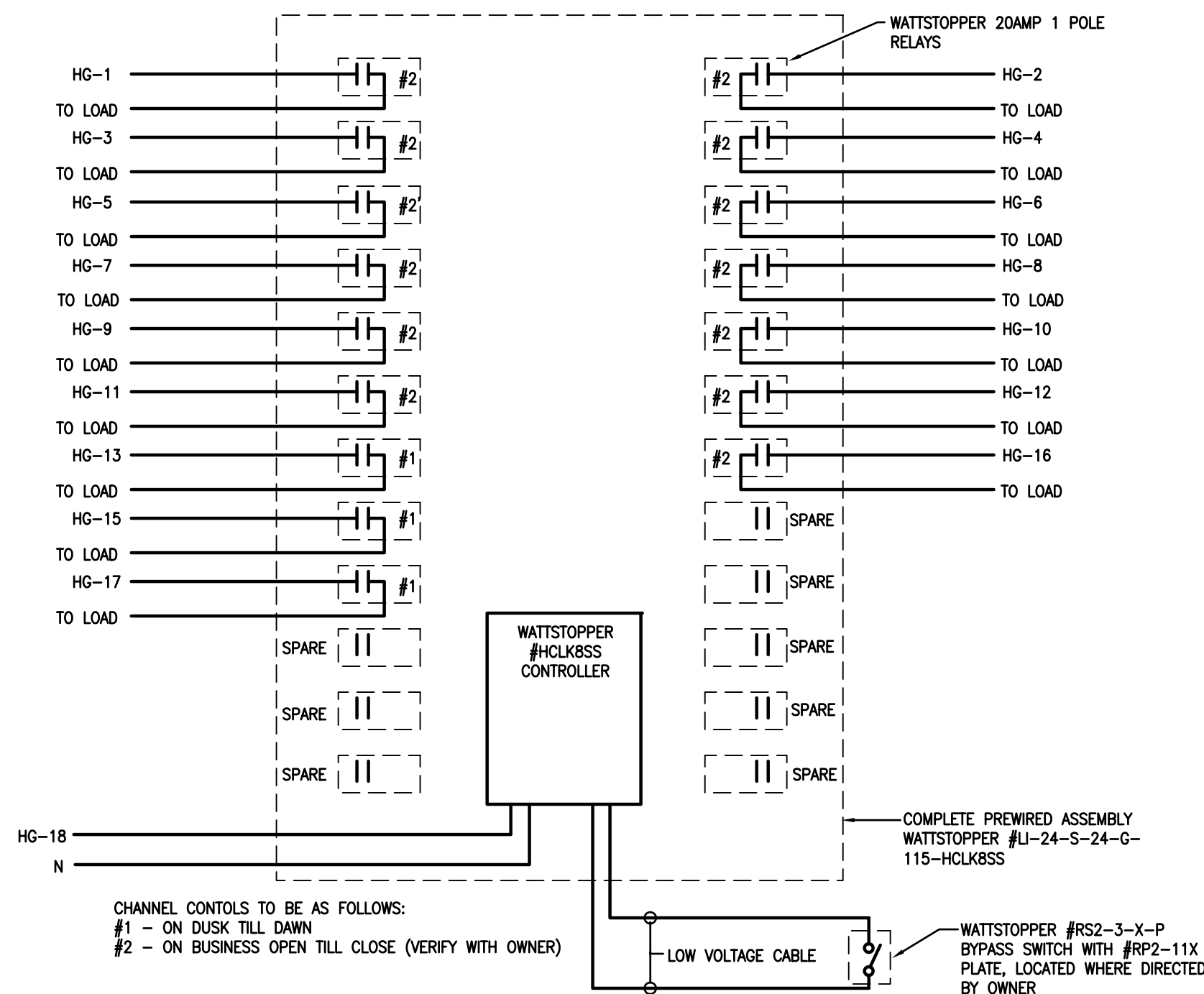
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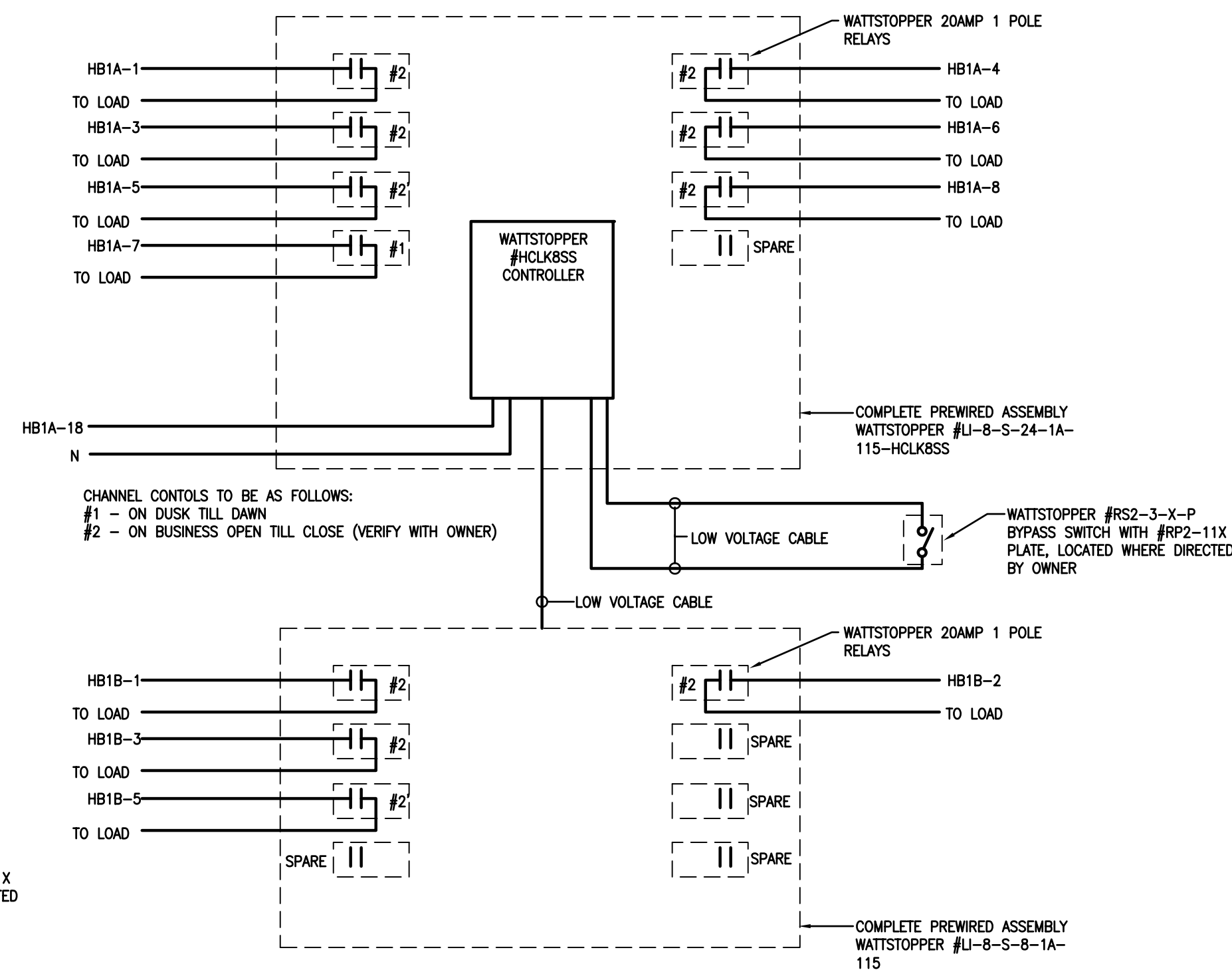
4 BOLLARD DETAIL
E2.1.01 SCALE: 1/4"=1'-0"



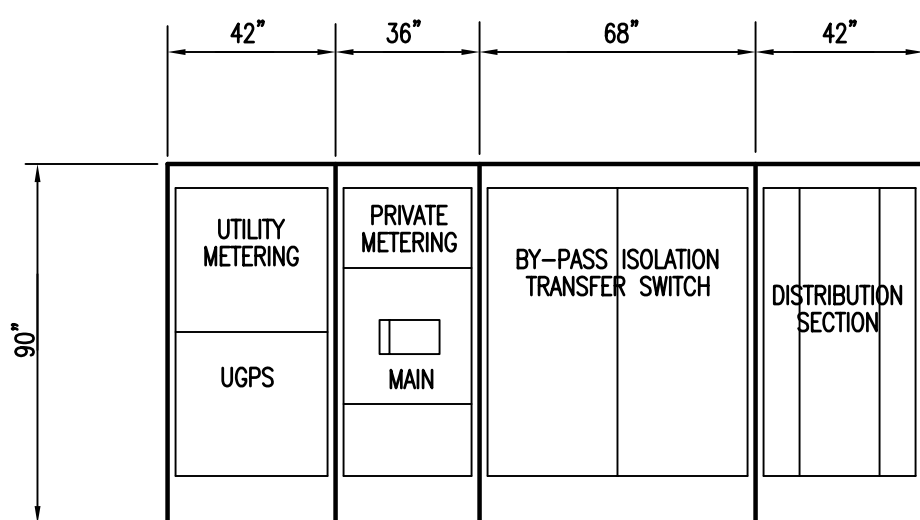
5 BLDG. 'F' LIGHTING CONTROL
E2.1.01



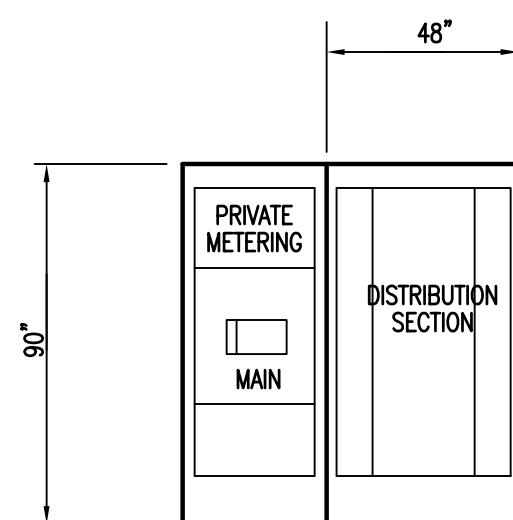
6 BLDG. 'G' LIGHTING CONTROL
E2.1.01



7 BLDG. 'G' LIGHTING CONTROL
E2.1.01



8 SWBD 'MSF' ELEVATION
E2.1.01 SCALE: 1/4"=1'-0"



9 SWBD 'MSG' ELEVATION
E2.1.01 SCALE: 1/4"=1'-0"

4/21/2006 4:28 PM
E2.1.01.dwg

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Phone: (408) 252-5000
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CENTRAL SERVICE YARD
PHASE II PROJECT

CITY OF
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DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
SAN JOSE, CALIFORNIA 95131
PROJECT NO. 684
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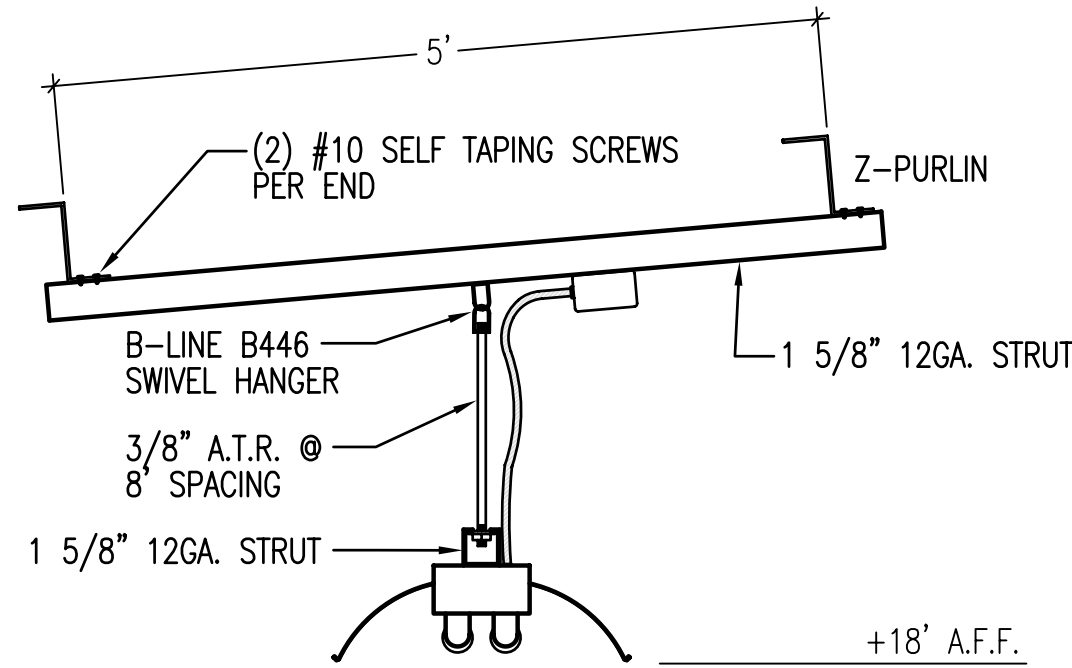
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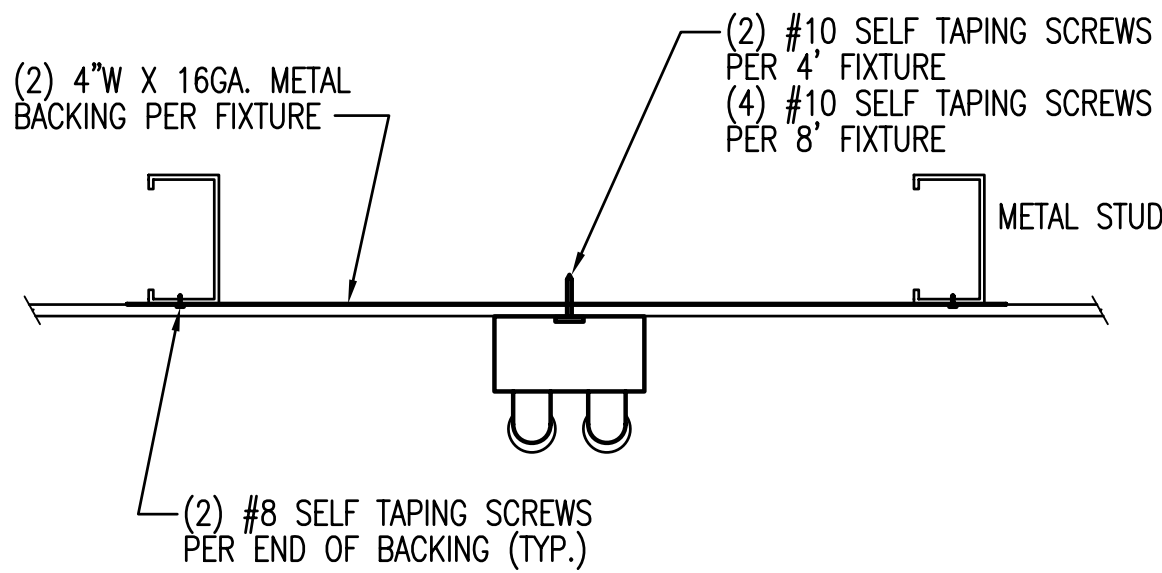
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& DETAILS

DRAWN BY:
PROJECT # 200525.000
SHEET NUMBER

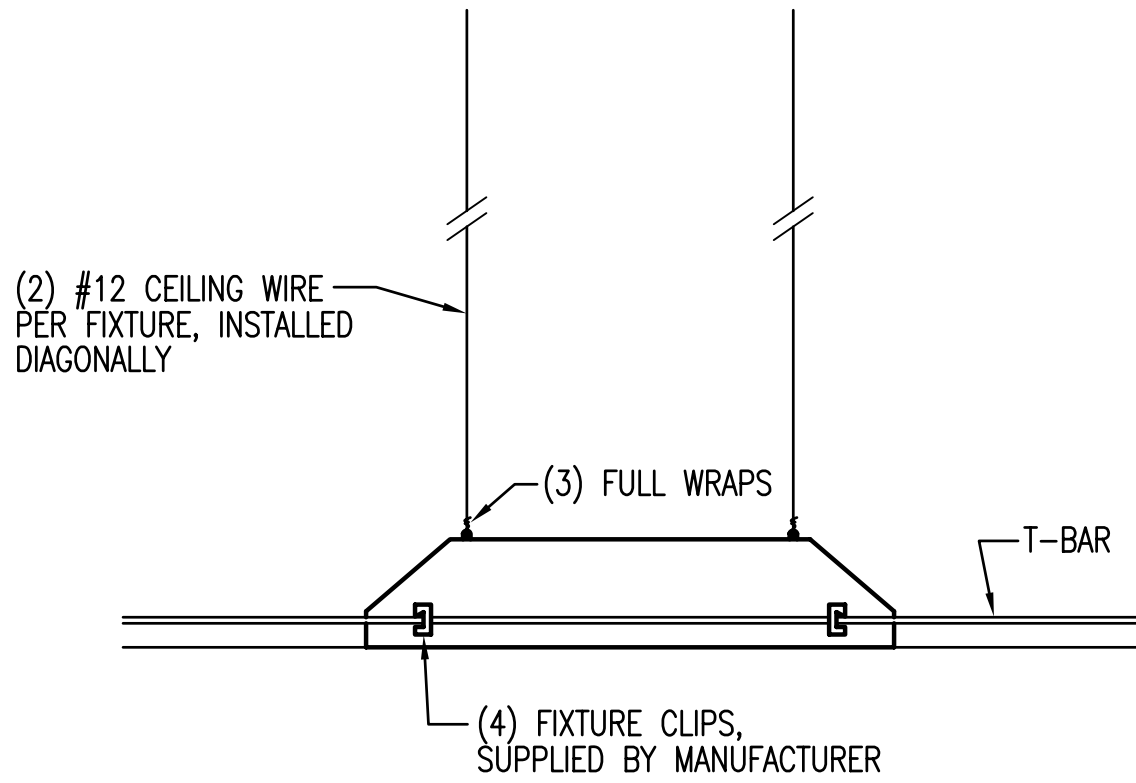
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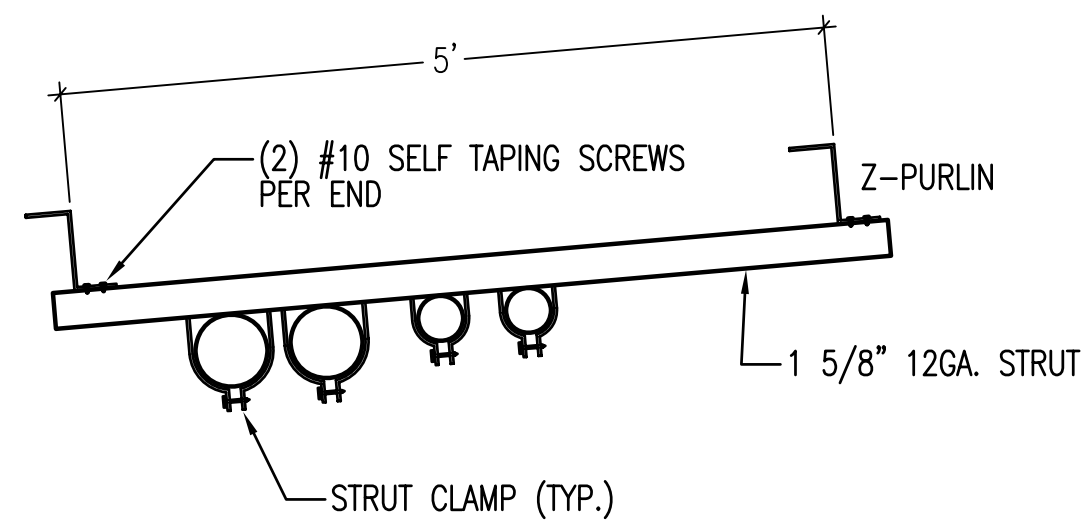
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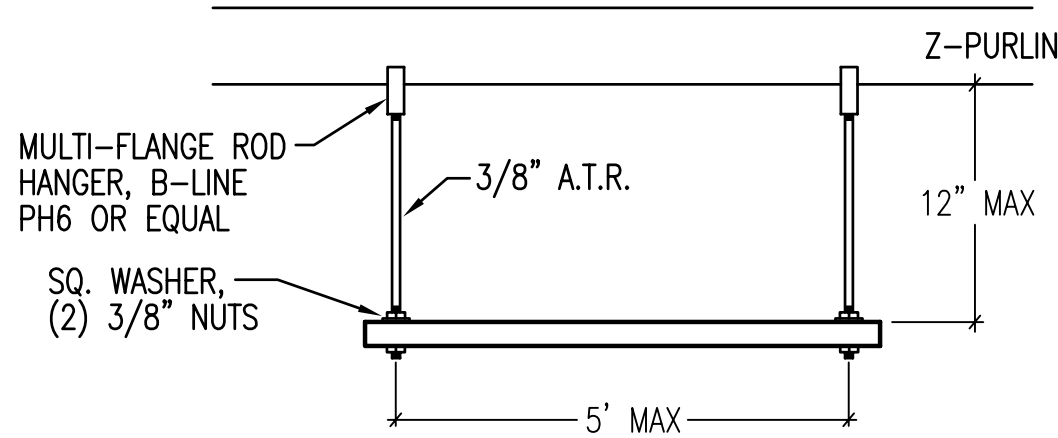
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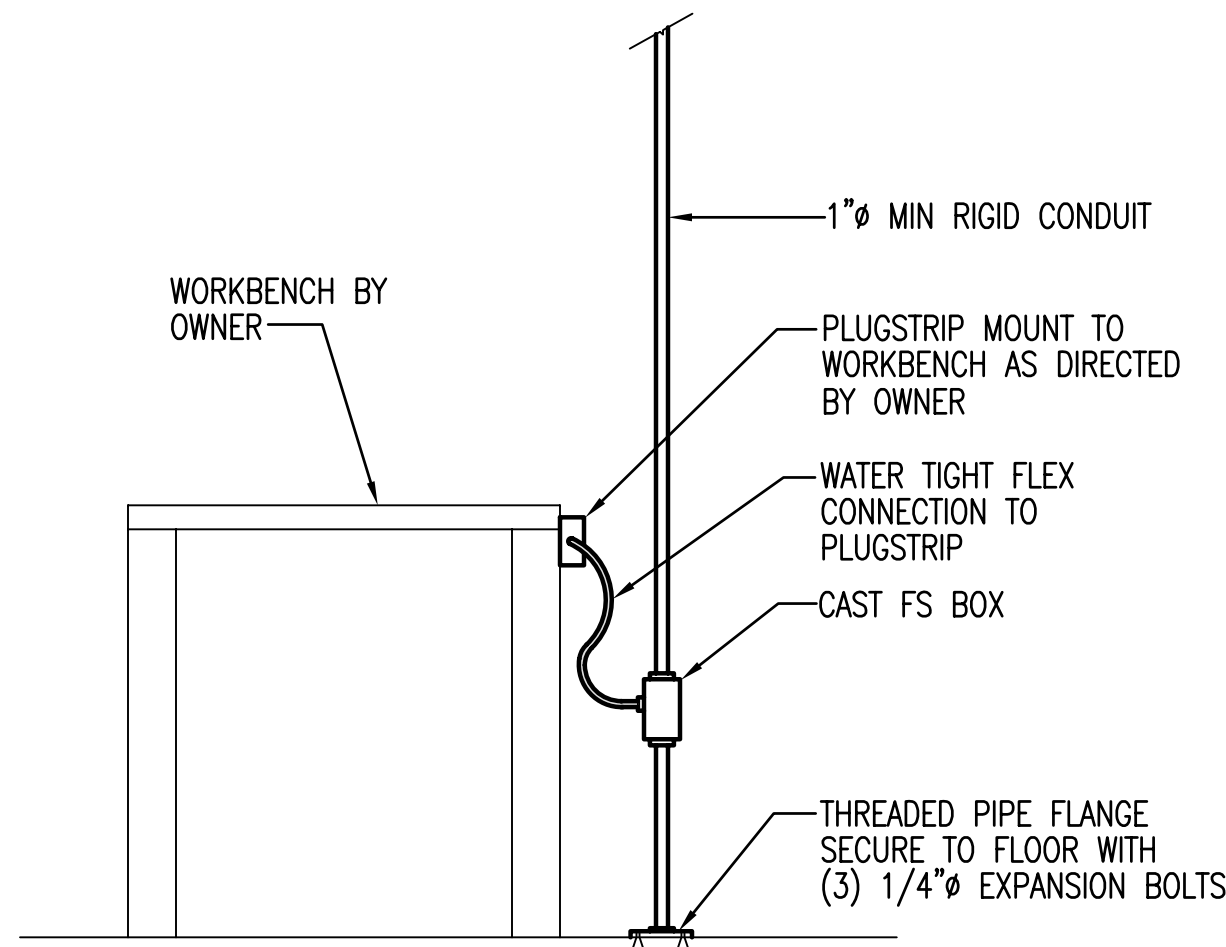
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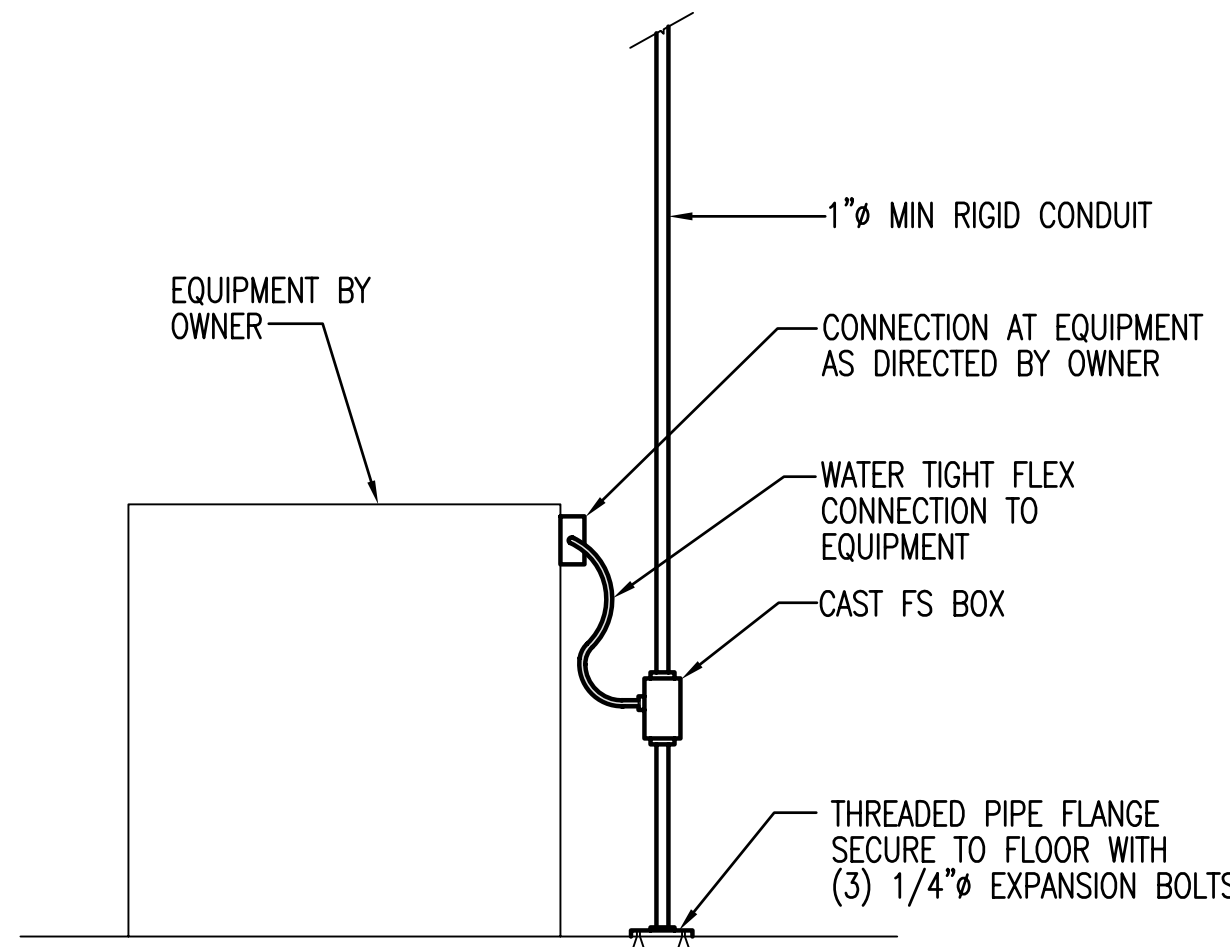
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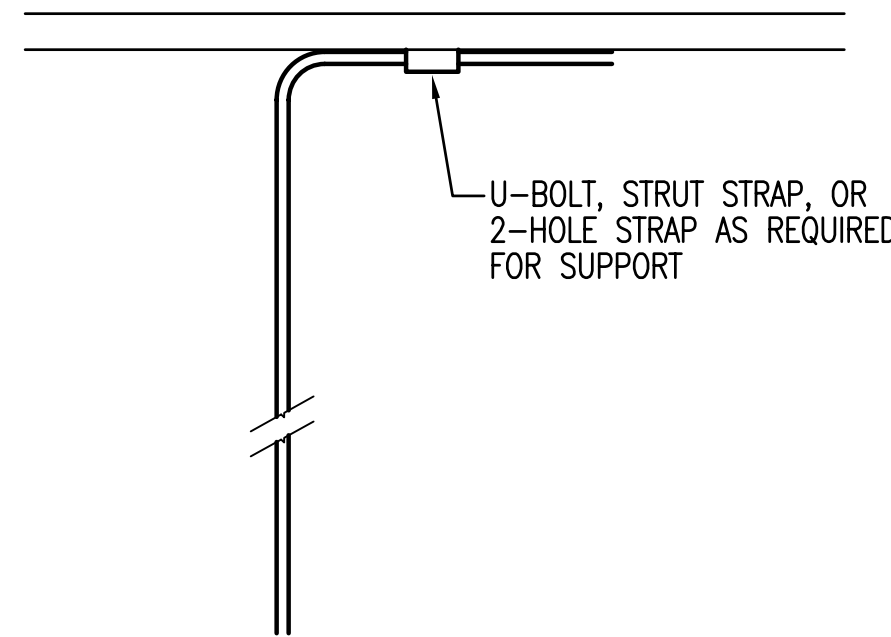
5 CONDUIT TRAPEZE #2
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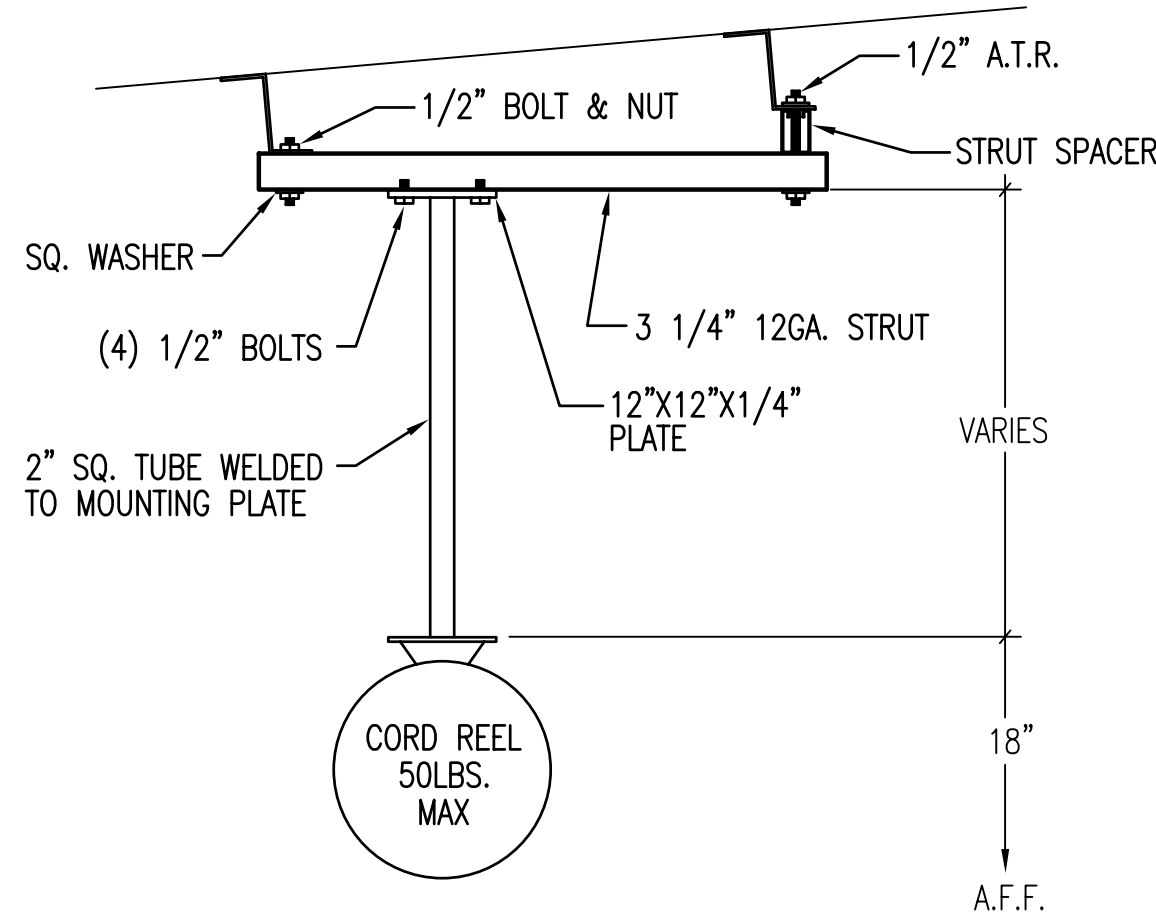
6 OVERHEAD DROP TO WORKBENCH
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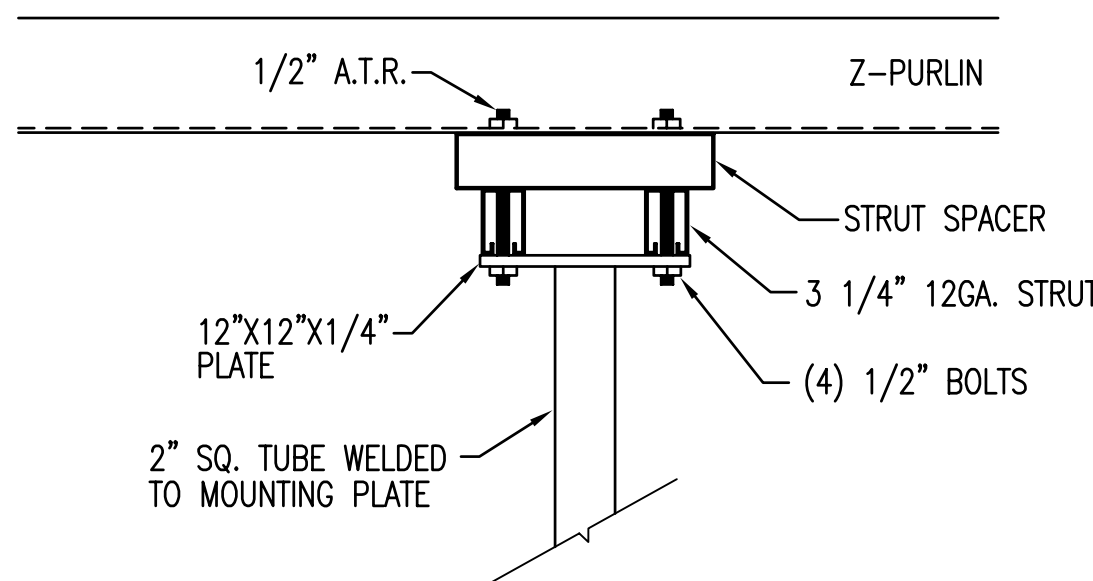
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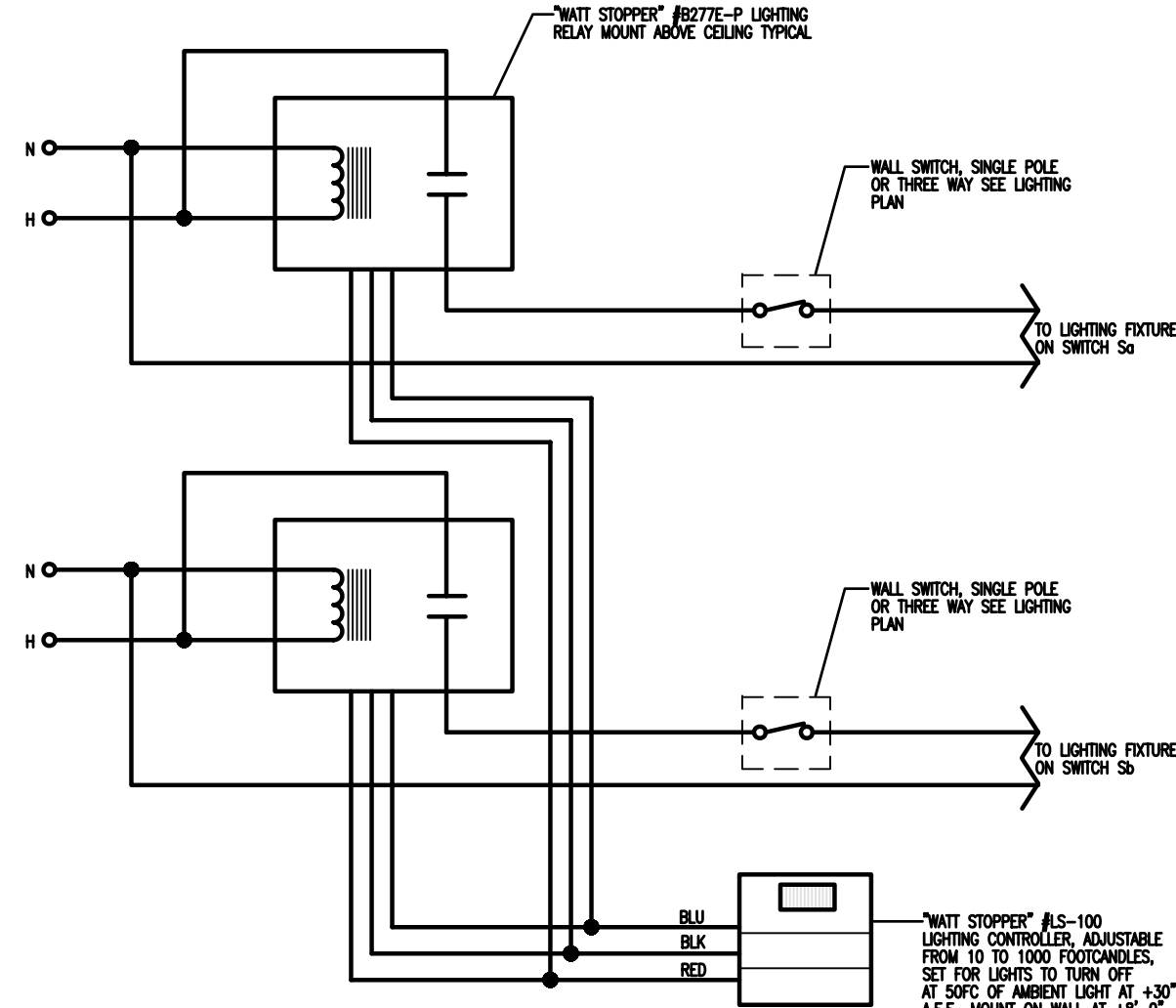
8 OVERHEAD DROP AT STRUCTURE
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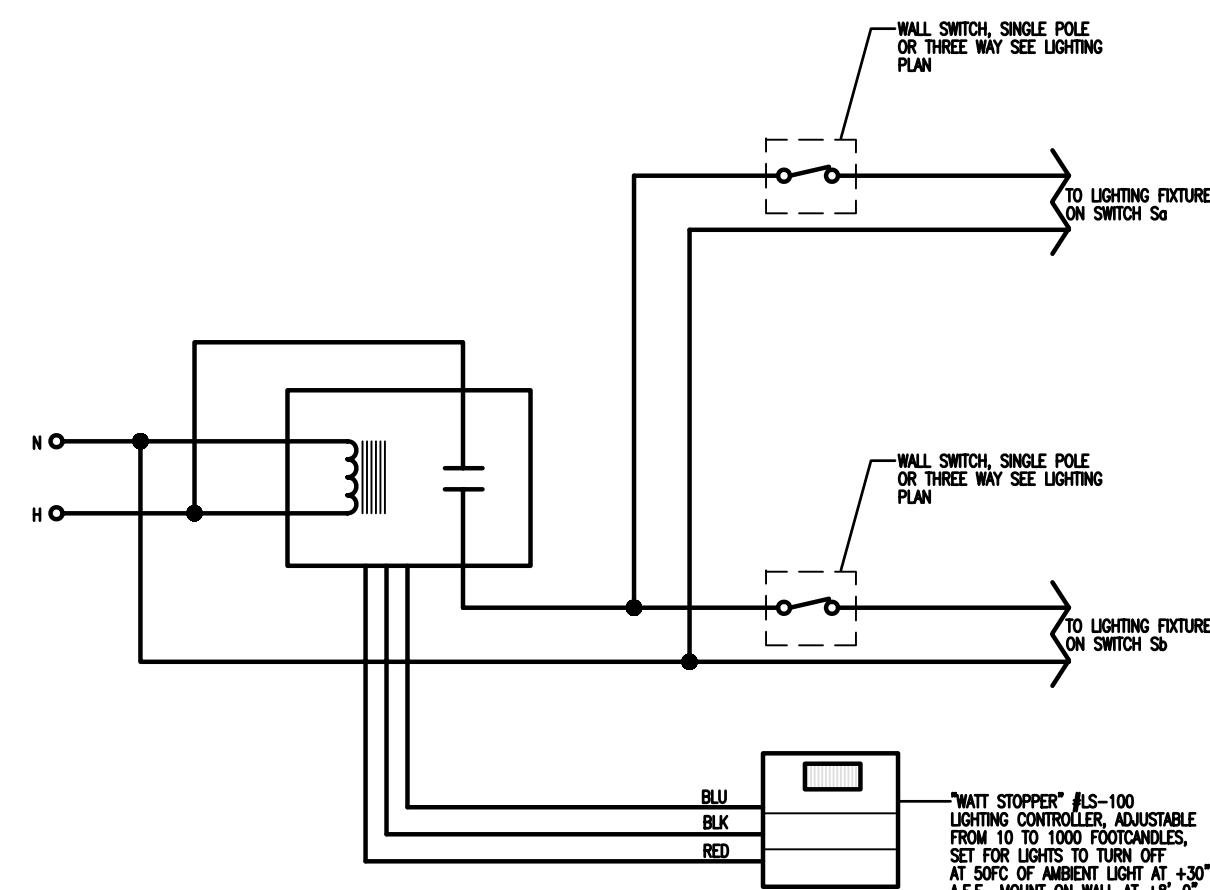
9 CORD REEL ATTACHMENT SIDE VIEW
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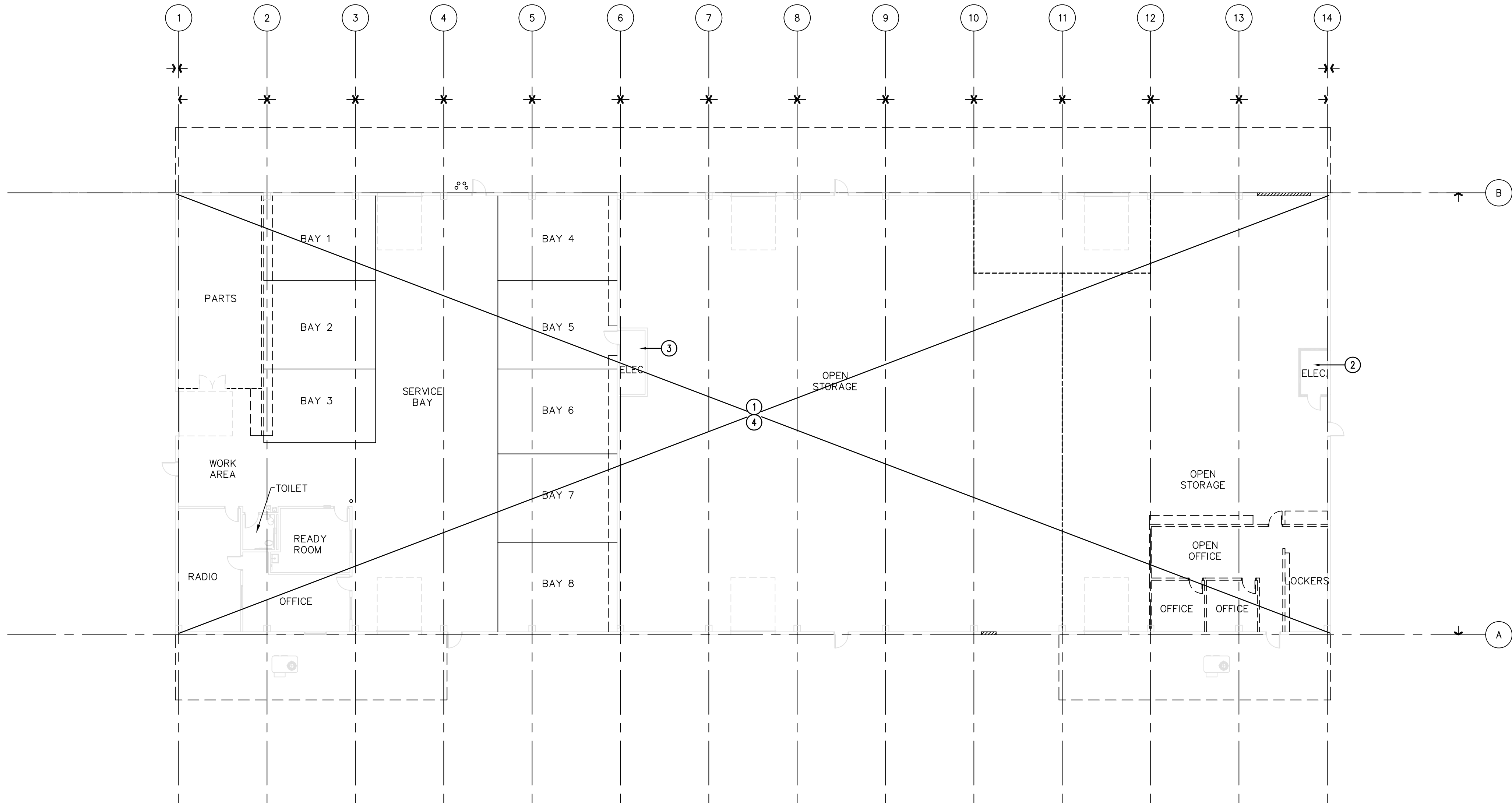
10 CORD REEL ATTACHMENT END VIEW
E2.1.02 N.T.S.



11 TYPICAL TWO CIRCUIT DAY-LIGHTING CONTROL DIAGRAM
E2.1.02



12 TYPICAL SINGLE CIRCUIT DAY-LIGHTING CONTROL DIAGRAM
E2.1.02



DEMOLITION NOTES

- 1 REMOVAL OF ALL EXISTING ELECTRICAL DEVICES IN THIS BUILDING INCLUDING; LIGHTING FIXTURES, SWITCHES, RECEPTACLES AND BRANCH CIRCUIT WIRING TO BE BY THE GENERAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL IDENTIFY ALL ITEMS TO BE REUSED TO THE GENERAL CONTRACTOR PRIOR TO DEMOLITION.
- 2 REMOVE EXISTING ELECTRICAL PANELS EHB1A & ELB1A, TRANSFORMER ETXB1A AND TELEPHONE BACKBOARD IN THIS ROOM.
- 3 REMOVE EXISTING ELECTRICAL PANELS EHB1B, ELB1B & LB1B, TRANSFORMERS ETXB1B & TXB1B AND TELEPHONE BACKBOARD.
- 4 REUSE EXISTING PANELS AND FEEDERS WHERE NOTED ON SINGLE LINE DIAGRAM, SALVAGE EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED AND RETURNED TO OWNER. ALL ITEMS NOT DESIRED BY THE CITY SHALL BE DISPOSED OF BY THE CONTRACTOR.



1
AB2.0.00

DEMO PLAN - BLDG B

SCALE: 1/16"=1'-0"

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CONSULTANT:

CENTRAL SERVICE YARD PHASE II PROJECT



DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
1661 SENTER ROAD
SAN JOSE, CALIFORNIA 95128
PROJECT NO: 884
PROJECT MANAGER: MARY FOLLENWEIDER
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DRAWING TITLE:
DEMO PLAN
BLDG B

DRAWN BY:

PROJECT # 200525.000

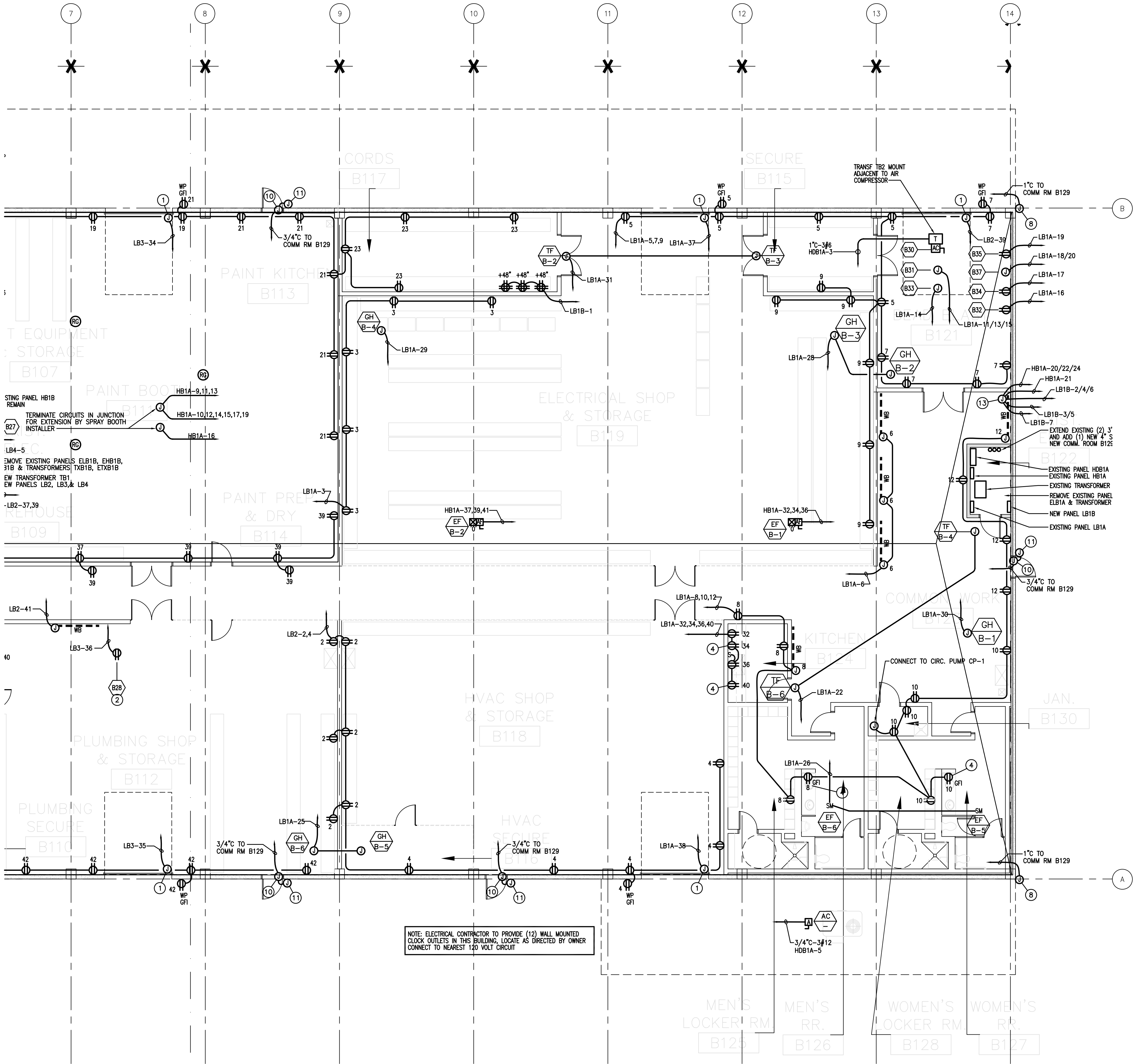
SHEET NUMBER

EB2.0.00

BUILDING B EQUIPMENT LIST						
NO.	QUANTITY	ITEM	ELECTRICAL			REMARKS
			VOLTS	LOAD	PHASE	
B1	1	DEWALT RADIAL ARM SAW	208/240	5A	3	20/3 BREAKER HARD WIRED
B2	1	DEWALT ROCKWELL TABLE SAW	220		3	20/3 BREAKER HARD WIRED
B3	1	PORTER CABLE POCKET CUTTER	120		1	20A RECEPTACLE
B4	1	DELTA MILWAUKEE BAND SAW	220	3A	3	20/3 BREAKER HARD WIRED
B5	1	ROCKWELL DELTA BELT SANDER	230	7A	1	20/3 BREAKER HARD WIRED
B6	1	POWERMATIC TABLE SAW	240		1	30A DISCONNECT 20A BREAKER
B7	1	SANDING TABLE	120		1	20A RECEPTACLE
B8	1	RITTER EDGE SANDER	220	15.5A	1	30/2 BREAKER HARDWIRED W/ DISC.
B9	1	YATES AMERICAN LATHE	208		3	20/3 BREAKER HARD WIRED
B10	1	MAXFORSBERG PLANNER	208	7.1A	3	20/3 BREAKER HARD WIRED
B11	1	CRESCENT JOINTER	220	8.8A	3	20/3 BREAKER HARD WIRED
B12	1	GRINDER	110		1	20A RECEPTACLE
B13	1	DELTA ROCKWELL SHAPER	208		3	20/3 BREAKER HARD WIRED
B14	1	AUTO FEED FOR SHAPER	230	4A	1	NEMA 6-15 RECEPTACLE 20/2 BREAKER
B15	1	DELTA VERTICAL SANDER	230	3.8A	3	20/3 BREAKER HARD WIRED
B16	1	ROCKWELL DRILL PRESS	120	11.2A	1	20A RECEPTACLE
B17	1	DEWALT RADIAL ARM SAW	220	14.7A	3	30/3 BREAKER
B18	1	DEWALT CHOP SAW	110	12A	1	20A RECEPTACLE
B19	1	BAND SAW				FROM FLEET
B20	1	PANEL SAW	440	11A	3	7.5HP, 5.5KW
B21	1	DRILL PRESS	115	5A	1	20A RECEPTACLE
B22	1	JOINTER	120		1	20A RECEPTACLE
B23	1	TABLE SAW	120		1	20A RECEPTACLE
B24	4	KEY MACHINE	115	3.5A	1	PROVIDE PLUG STRIP
B25	1	BENCHTOP GRINDER	115	5A	1	PROVIDE PLUG STRIP
B26	1	DELTA DRILL PRESS	120		1	TWISTLOCK RECEPTACLE
B27	1	PAINT SHAKER	120		1	20A RECEPTACLE
B28	1	ROCKWELL DRILL PRESS	120	5A	1	20A RECEPTACLE
B30	1	KAESER AIR COMPRESSOR	208	78.2	3	70/3 BREAKER
B31	1	PAULI & GRIFFIN SANDBLASTER	208	6A	3	20/3 BREAKER HARD WIRED
B32	1	DAYTON BENCH TOP GRINDER	115	4.4A	1	20A RECEPTACLE
B33	1	1-TON HOIST	115/230	13A/7A		TWISTLOCK RECEPTACLE
B34	1	DAYTON DRILL PRESS	115	8A	1	20A RECEPTACLE
B35	1	SAFTEY KLEEN PARTS WASHER	115	12A	1	20A RECEPTACLE
B36	1	ROCKWELL DRILL PRESS	115	5A	1	20A RECEPTACLE
B37	1	CENTRAL SCIENTIFIC OVEN	208	8A	1	NEMA 6-20 RECEPTACLE

PLAN NOTES

- CONNECT TO OVERHEAD DOOR MOTOR AND CONTROLS, ALL CONTROLS FURNISHED WITH DOOR.
- OVERHEAD CONDUIT DROP TO OWNER FURNISHED EQUIPMENT SEE DETAIL 7 / E2.1.02
- OVERHEAD CONDUIT DROP TO OWNER FURNISHED WORKBENCH SEE DETAIL 6 / E2.1.02
- MOUNT OUTLET ABOVE COUNTER.
- CONNECT TO MODULAR FURNITURE SYSTEM
- CONNECT TO MICRO SWITCH IN HOSE REEL FOR ON-OFF OPERATION OF VEHICAL EXHAUST FAN
- INTERLOCK DUST COLLECTION SYSTEM (WEF-1) TO OWNER FURNISHED EQUIPMENT FOR AUTOMATIC STARTING OF WEF-1 WHEN EQUIPMENT IS TURNED ON.
- OUTLET BOX ON WALL BELOW ROOF FOR FUTURE CATV CAMERA BY OWNER
- OUTLET BOX FOR FUTURE PA SYSTEM BY OWNER
- OUTLET BOX FOR FUTURE CARD READER BY OWNER MOUNT AT +48" A.F.F.
- OUTLET BOX FOR FUTURE DOOR CONTACT BY OWNER MOUNT FLUSH IN DOOR HEADER
- NEMA L15-50R RECEPTACLE FOR VEHICLE LIFT
- ELECTRICAL TEST STATION, PROVIDE TERMINAL LUGS, SUBPANELS, WIREMOLD AND MULTI-CONFIGURATION RECEPTACLES FOR TESTING 3 PHASE 480V, 3 PHASE 208V, 1 PHASE 208V, 1 PHASE 208V AND 1 PHASE 277V EQUIPMENT, THE TEST STATION SHALL MATCH THE DESIGN OF THE EXISTING TEST STATION AT THE CITY MAIN YARD. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF STATION DESIGN TO THE CITY FOR APPROVAL.



POWER PLAN - AREA 2

SCALE: 1/8" = 1'-0"

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CONSULTANT:
HOWE
Electric Inc.
1000 S. GATEWAY
SAN JOSE, CA 95128
C-10

**CENTRAL SERVICE YARD
PHASE II PROJECT**

PROJECT ADDRESS:
1661 SENTER ROAD
SAN JOSE, CALIFORNIA
PROJECT NO: 884
DEPT FILE NO:

**CITY OF
SAN JOSE**
SANTO DOMINGO VALLEY

DEPARTMENT OF PUBLIC WORKS
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POWER PLAN
BLDG. B AREA 2

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PROJECT # 200525.000
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EB2.1.12

① PROVIDE UNSWITCHED CIRCUIT TO NIGHT LIGHT.



SCALE: 1/8" = 1'-0"

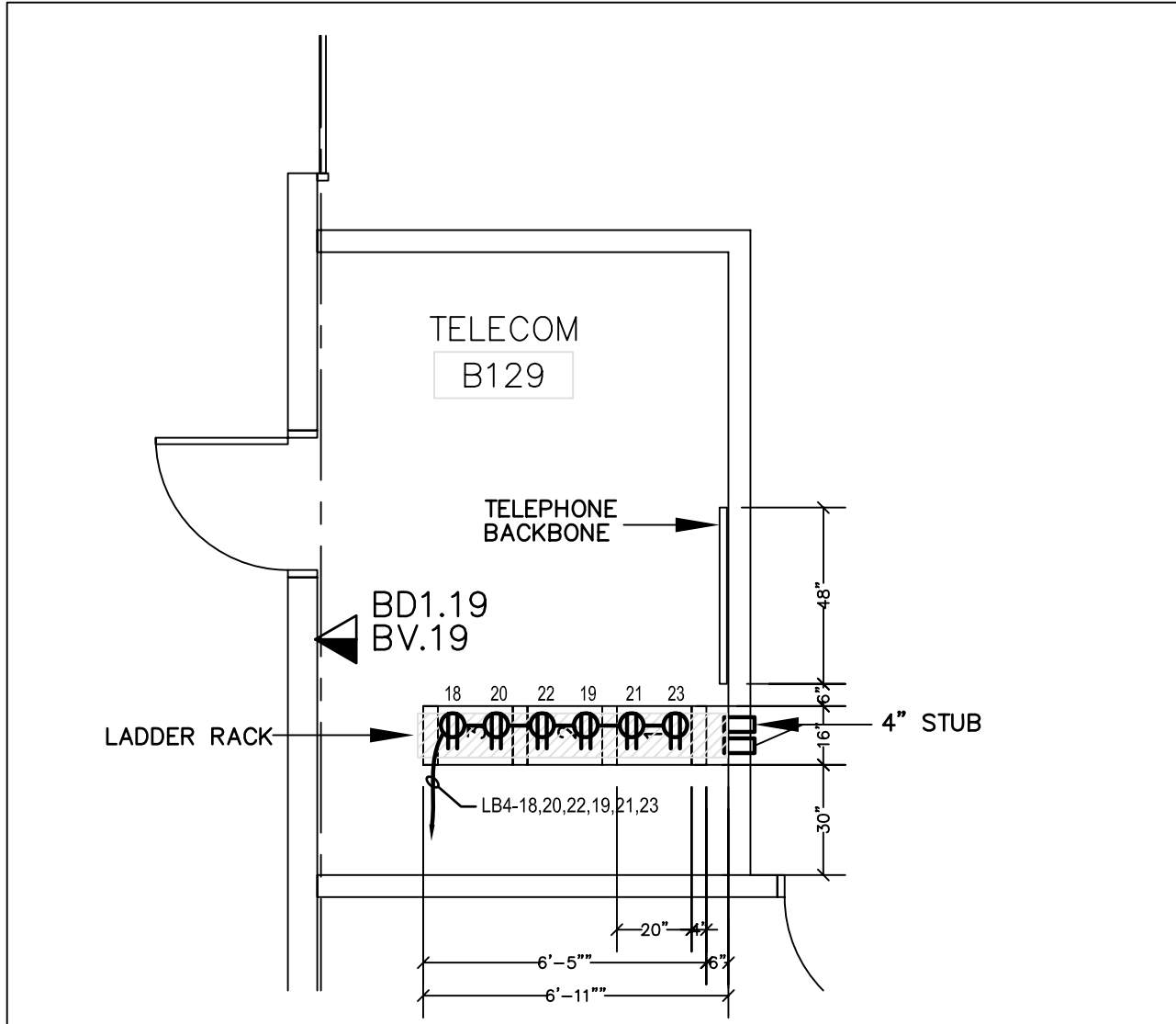
① PROVIDE UNSWITCHED CIRCUIT TO NIGHT LIGHT.



SCALE: $1/8" = 1'-0"$

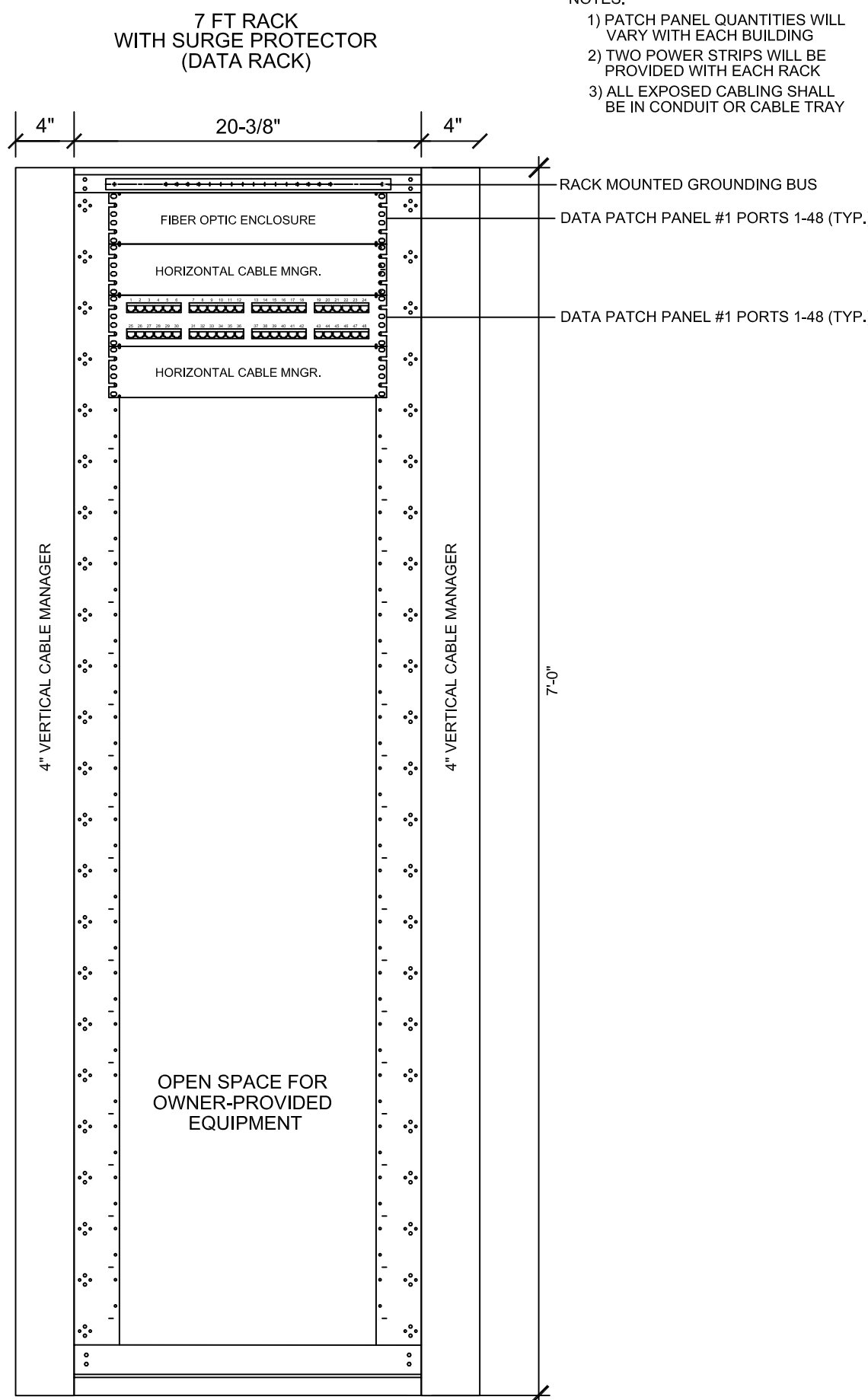
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C TELECOM ROOM RACK LAYOUT DETAIL

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

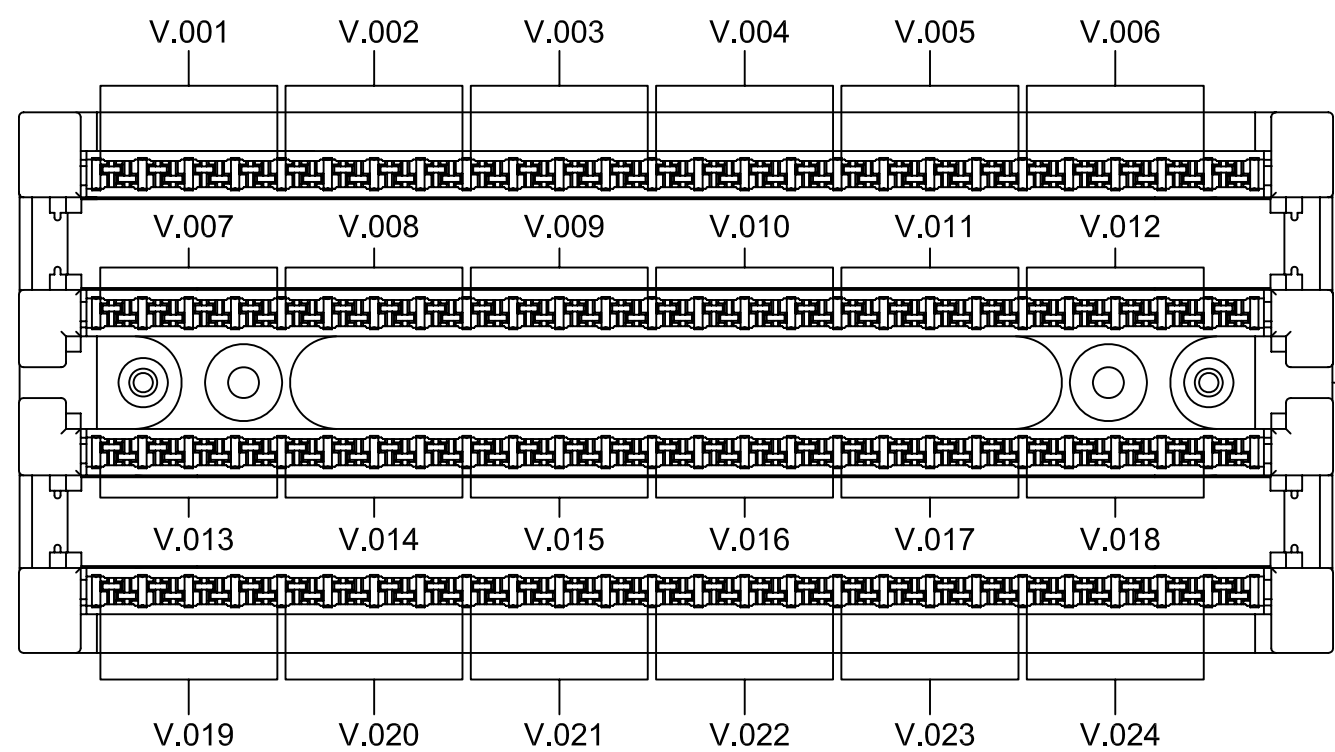


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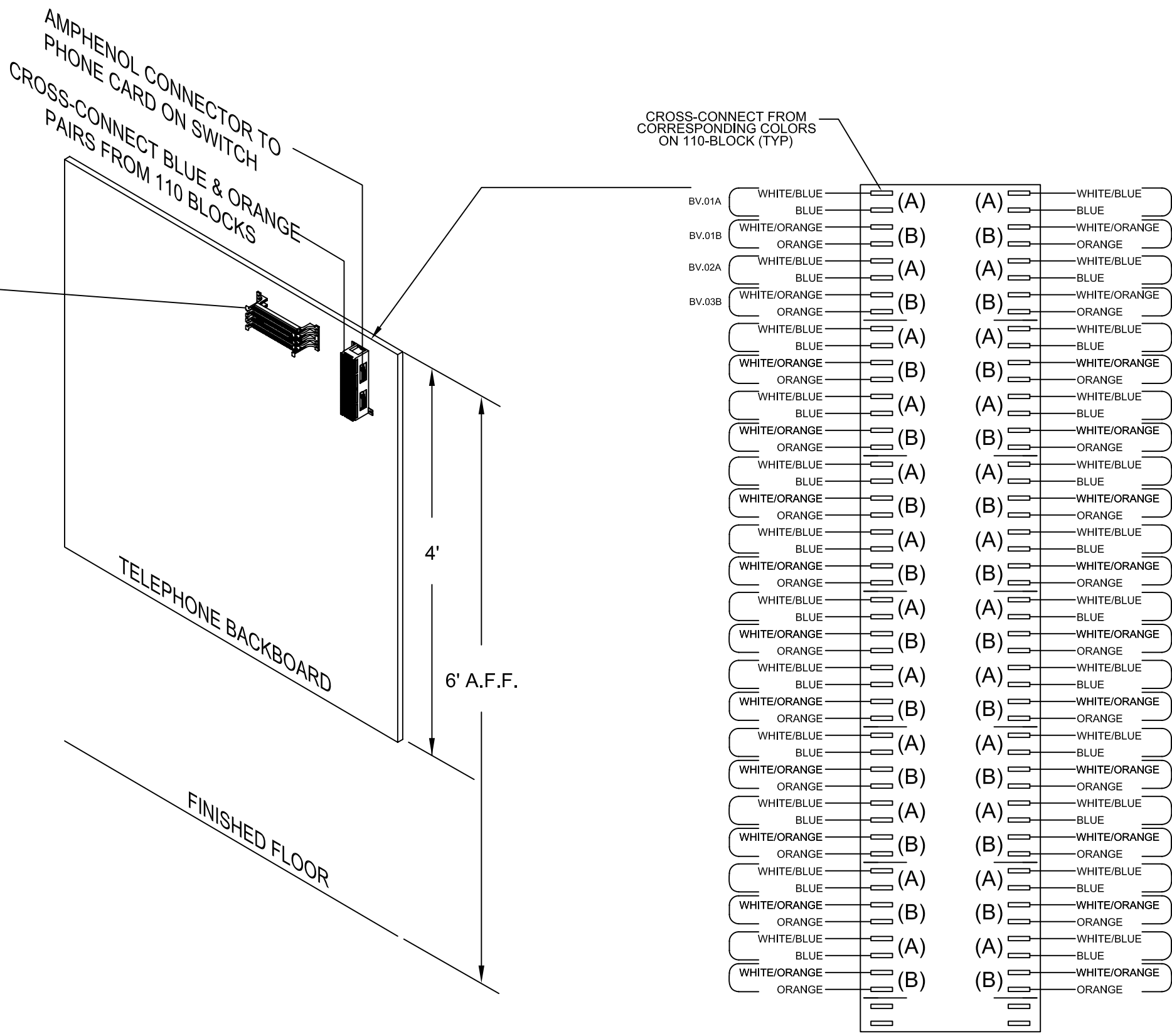
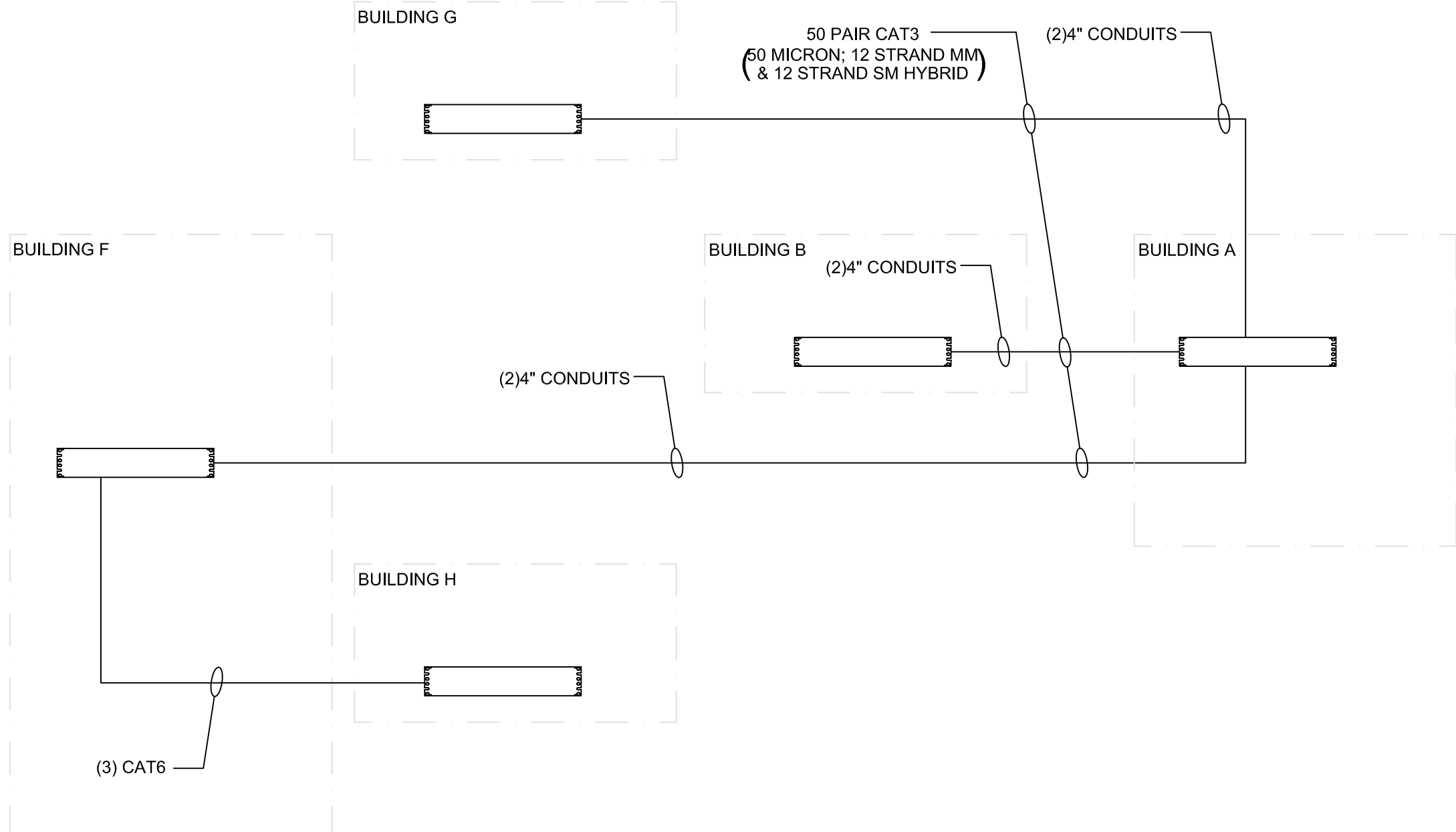
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A DATA SYSTEM SINGLE-LINE DIAGRAM

SCALE: N.T.S.



B TYPICAL TELEPHONE RACK DETAIL



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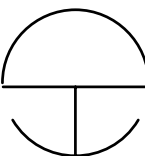
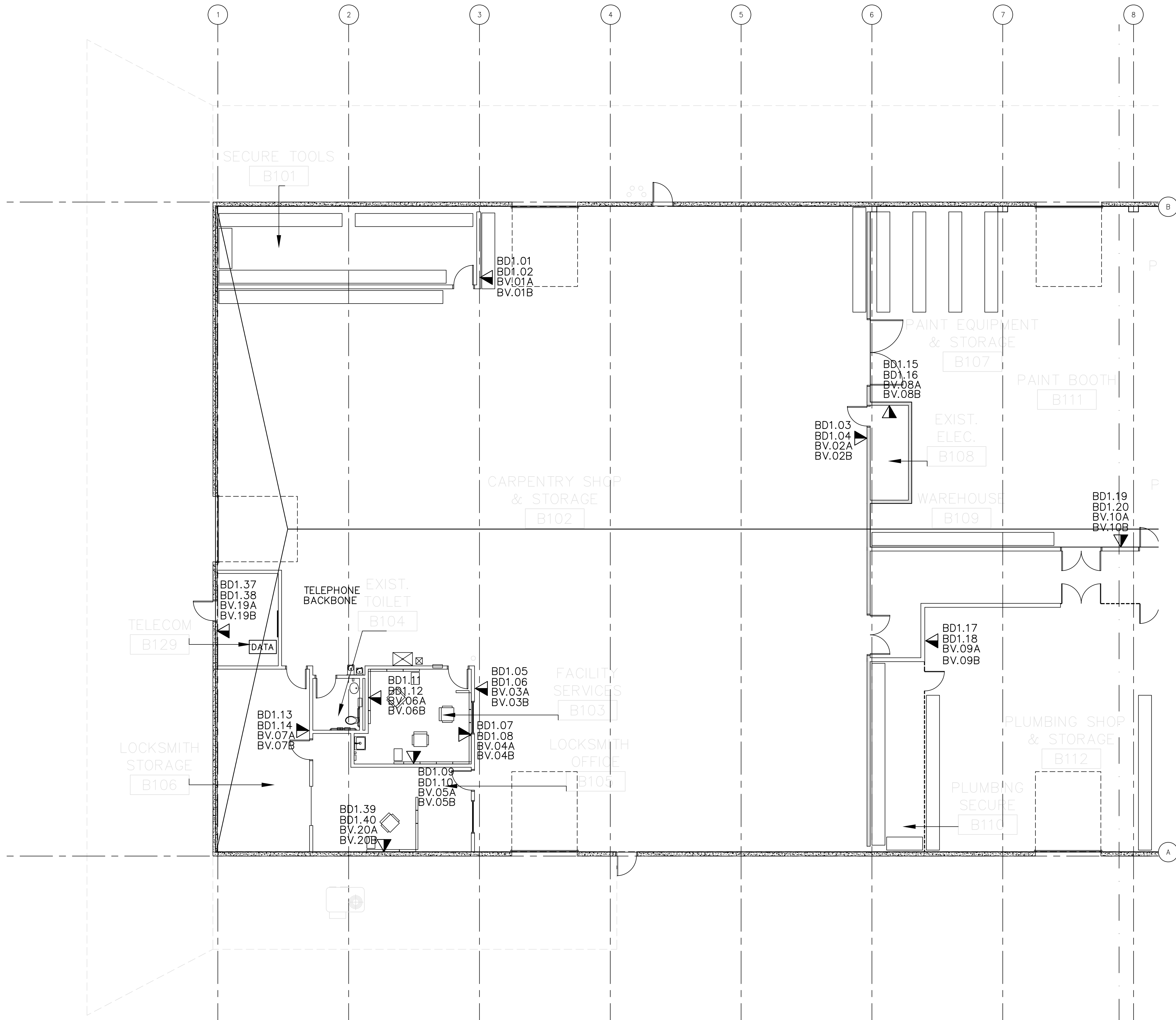
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BLDG. B

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PROJECT # 200525.000
SHEET NUMBER

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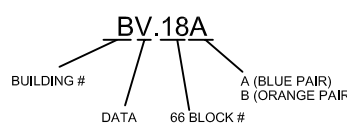
COMMUNICATIONS PLAN - AREA 1

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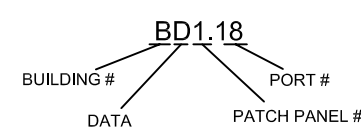
TELEPHONE AND DATA SYSTEM SYMBOL LIST

SYMBOL	DESCRIPTION	CABLE
	2 DATA & 2 VOICE	(3) CAT6

TELEPHONE ADDRESS DESCRIPTION



DATA ADDRESS DESCRIPTION



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1881 SENTER ROAD
SAN JOSE, CALIFORNIA 95128
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CENTRAL SERVICE YARD PHASE II PROJECT



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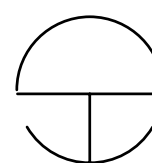
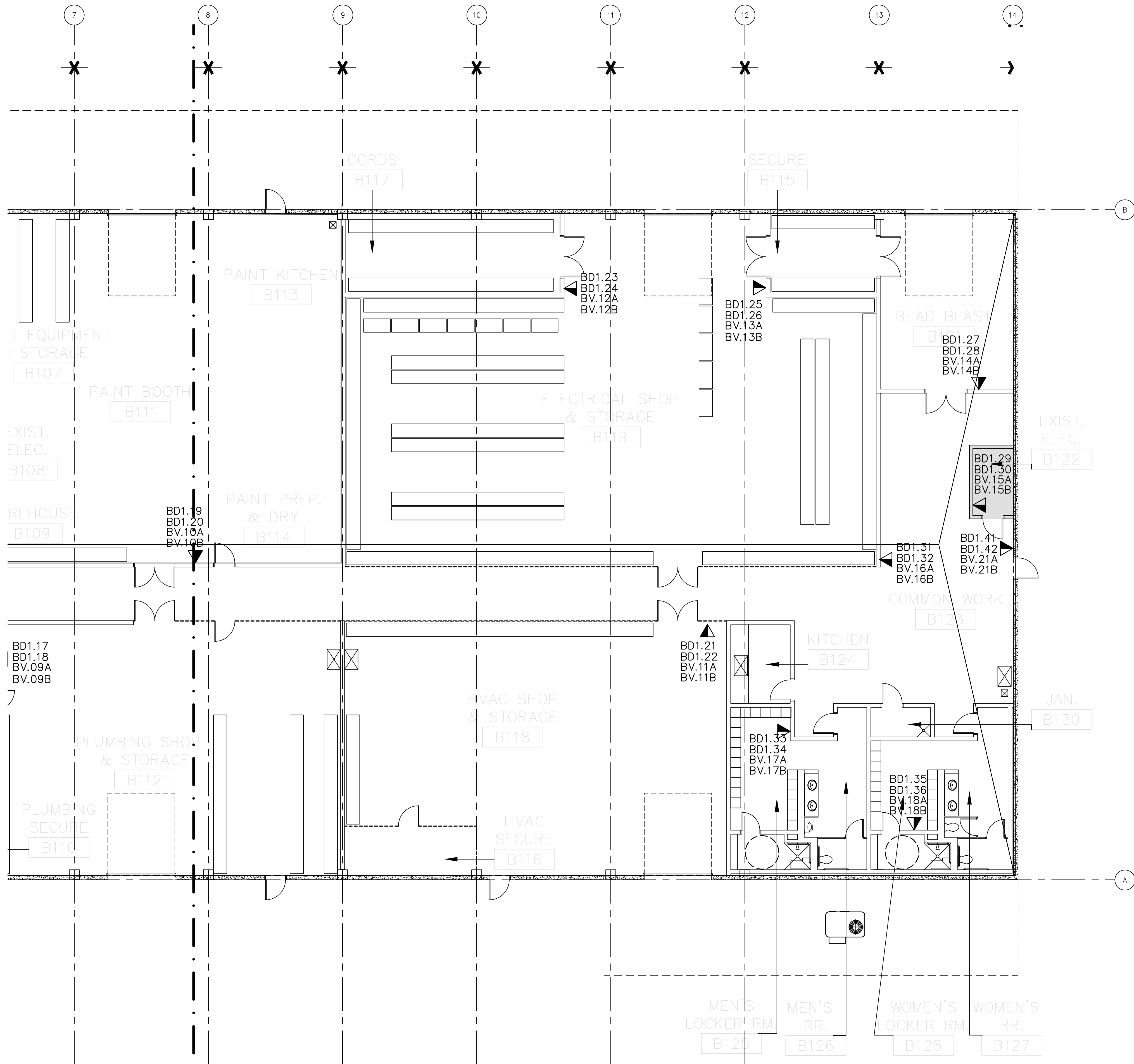
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COMMUNICATIONS PLAN
BLDG. B AREA 1

DRAWN BY:
PROJECT # 200525.000
SHEET NUMBER

EB4.1.21

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EB4.1.22.dwg

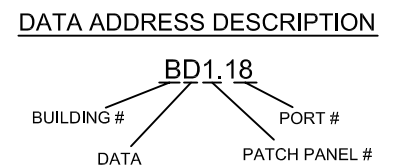
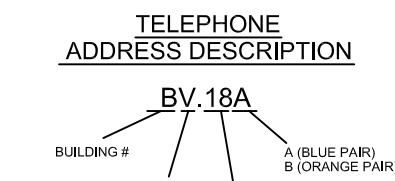
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COMMUNICATIONS PLAN - AREA 2

SCALE: 1/8" = 1'-0"

TELEPHONE AND DATA SYSTEM SYMBOL LIST	
SYMBOL DESCRIPTION	CABLE
2 DATA & 2 VOICE	(3) CAT5



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CENTRAL SERVICE YARD PHASE II PROJECT



DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
SAN JOSE, CALIFORNIA 95131
PROJECT MANAGER: MARY FOLENWEIDER
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PROJECT ADDRESS:
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PROJECT NO. 684
DEPT FILE NO.

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DRAWING TITLE:
COMMUNICATIONS PLAN
BLDG. B AREA 2

DRAWN BY:

PROJECT # 200525.000

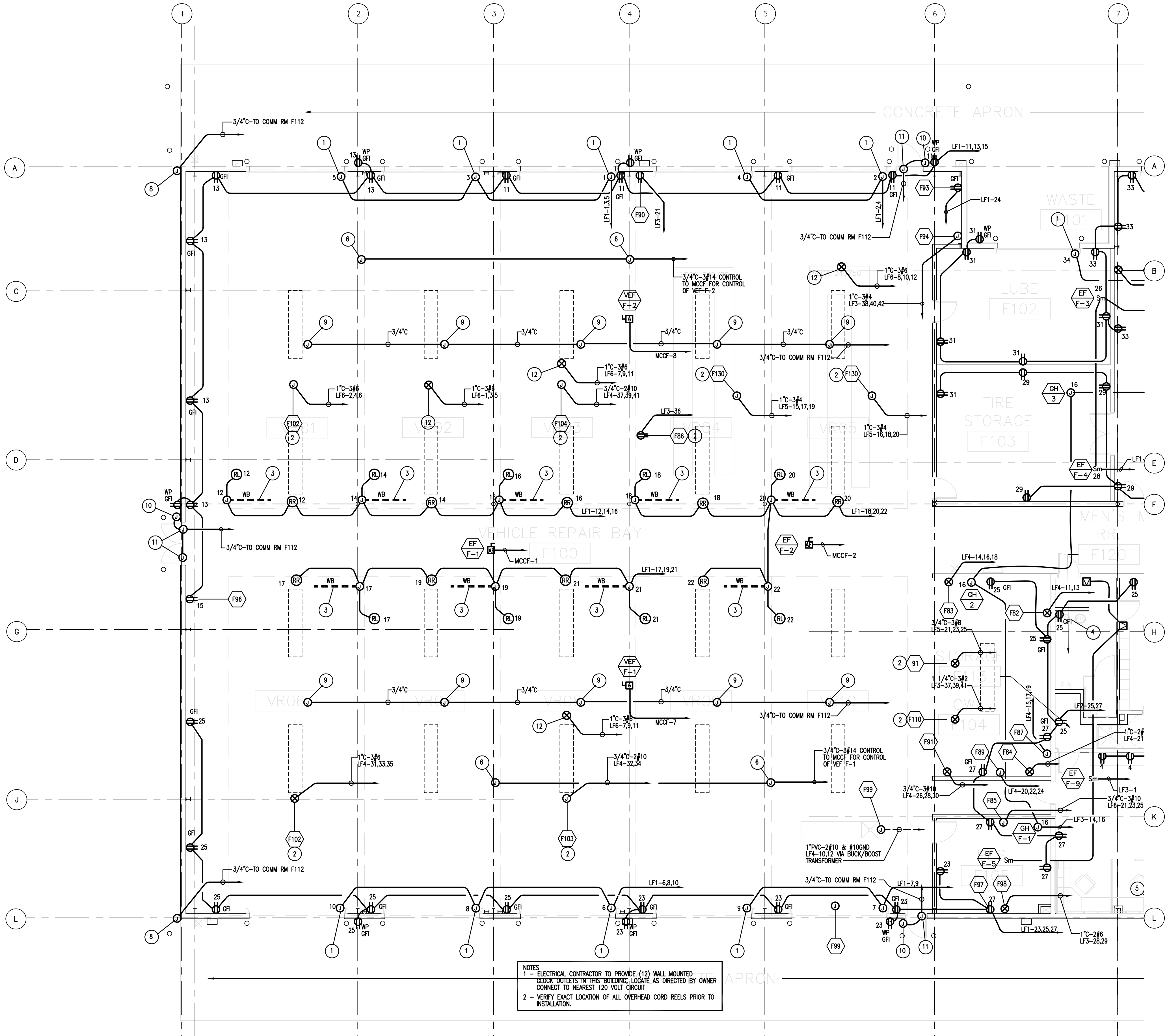
SHEET NUMBER

EB4.1.22

BUILDING F EQUIPMENT LIST						REMARKS
NO.	QUANTITY	ITEM	VOLTS	LOAD	PHASE	
F81	1	COATS BALANCER	220	20A	3	NEMA L15-20 RECEPTACLE
F82	1	ELLIS MITER BAND SAW	220	8.8	1	NEMA L15-20 RECEPTACLE
F83	1	CLAUSING BAND SAW	230	1.5KW	3	NEMA L15-20 RECEPTACLE
F84	1	ROCKWELL BELT SANDER	220	50A	1	HARD WIRED
F85	1	ROCKWELL BELT SANDER	220	20	3	20/3 BREAKER HARD WIRED
F86	1	AMMCO BRAKE LATHE	110	11A	1	20A RECEPTACLE
F87	1	BOICE DRILL PRESS	220	12A	3	
F89	1	AUTO START GRINDER	220	8.6A	3	HARD WIRED
F90	1	OTC HYDRAULIC PRESS	110	7.6A	1	20A RECEPTACLE
F91	1	UNI-HYDRO IRON WORKER	220	25A	3	20A, 250V, 3PHASE RECEPT.
F92	1	AMMCO TIRE MACHINE	230	8A	3	20/3 BREAKER HARD WIRED
F93	1	OBERG OIL FILLER PRESS	110		1	20A RECEPTACLE
F94	1	LANDA PARTS WASHER	208		3	60/3 BREAKER LOCAL DIS.
F95		COATS RIM CLAMP				
F96	1	DAYTON SAND BLASTER	110	3A	1	20A RECEPTACLE
F97	1	SIMPLEX PRESS	115	4A	1	20A RECEPTACLE
F98	1	MIG WELDER	208		1	NEMA 6-50 RECEPTACLE
F99	1	SUN SMOG MACHINE DYNO	230	20A	1	DISCONNECT SWITCH
F102	1	SETAC VEHICLE LIFT	220	50A	3	NEMA L15-50 RECEPTACLE
F103	1	ROTARY VEHICLE LIFT	230	17A	1	30A BREAKER HARD WIRED
F104	1	ROTARY VEHICLE LIFT	230	17A	1	30A BREAKER HARD WIRED
F110	1	WELDER	208/220	91/82	1	100A, 600V, 3W, 4P RECEPTACLE
F112	1	LIFT ABOVE GROUND	208	17	1	30/2 BREAKER W/ DISCONNECT
F113	1	LIFT DRIVE ON	208		1	30/2 BREAKER HARD WIRED
F114	1	IRON WORKER	220		3	L15-20 RECEPTACLE
F116	1	SANDER ROTARY / BELT	220		3	NEMA L21-20 RECEPTACLE
F117	1	BAND SAW	115		1	20A RECEPTACLE
F118	1	GRINDER / WIRE WHEEL	115		1	20A RECEPTACLE
F119	1	DRILL PRESS	115		1	NEMA 6-15 RECEPTACLE
F120	1	WELDER ARC	220		1	100A, 2P, 3W, 250V RECEPTACLE
F121	1	REFRIGERATOR	120		1	20A RECEPTACLE
F122	1	WELDER ARC	220		1	100A, 2P, 3W, 250V RECEPTACLE
F123		REFRIGERATOR	120		1	
F130		PARALLELOGRAM LIFT	208	46.5A	3	
F131		ROTARY LIFT	208	2HP	1	

PLAN NOTES

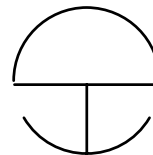
- CONNECT TO OVERHEAD DOOR MOTOR AND CONTROLS, ALL CONTROLS FURNISHED WITH DOOR.
- OVERHEAD CONDUIT DROP TO OWNER FURNISHED EQUIPMENT SEE DETAIL 7 / E2.1.02
- OVERHEAD CONDUIT DROP TO OWNER FURNISHED WORKBENCH SEE DETAIL 6 / E2.1.02
- MOUNT OUTLET ABOVE COUNTER.
- CONNECT TO MODULAR FURNITURE SYSTEM
- CONNECT TO MICRO SWITCH IN HOSE REEL FOR ON-OFF OPERATION OF VEHICAL EXHAUST FAN
- INTERLOCK DUST COLLECTION SYSTEM (WEF-1) TO OWNER FURNISHED EQUIPMENT FOR AUTOMATIC STARTING OF WEF-1 WHEN EQUIPMENT IS TURNED ON.
- OUTLET BOX ON WALL BELOW ROOF FOR FUTURE CATV CAMERA BY OWNER
- OUTLET BOX FOR FUTURE PA SYSTEM BY OWNER
- OUTLET BOX FOR FUTURE CARD READER BY OWNER MOUNT AT +48" A.F.F.
- OUTLET BOX FOR FUTURE DOOR CONTACT BY OWNER MOUNT FLUSH IN DOOR HEADER
- NEMA L15-50R RECEPTACLE FOR VEHICLE LIFT
- ELECTRICAL TEST STATION, PROVIDE TERMINAL LUGS, SUBPANELS, WIREMOLD AND MULTI-CONFIGURATION RECEPTACLES FOR TESTING 3 PHASE 480V, 3 PHASE 208V, 1 PHASE 208V, 1 PHASE 208V AND 1 PHASE 277V EQUIPMENT, THE TEST STATION SHALL MATCH THE DESIGN OF THE EXISTING TEST STATION AT THE CITY MAIN YARD. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF STATION DESIGN TO THE CITY FOR APPROVAL.



NOTES:
1 - ELECTRICAL CONTRACTOR TO PROVIDE (12) WALL MOUNTED CLOCK OUTLETS IN THIS BUILDING, LOCATE AS DIRECTED BY OWNER, CONNECT TO NEAREST 120 VOLT CIRCUIT
2 - VERIFY EXACT LOCATION OF ALL OVERHEAD CORD REELS PRIOR TO INSTALLATION.

4/21/2006 2:34 PM
EF2.1.11.dwg

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POWER PLAN - AREA 1

SCALE:1/8" = 1'-0"

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CENTRAL SERVICE YARD
PHASE II PROJECT

CITY OF
SAN JOSE
COUNCIL OF CALIFORNIA VALLEY
DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
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San Jose, CA 95131
(408) 453-4500 Fax: (408) 453-4555

DRAWING TITLE:
POWER PLAN
BLDG. F AREA 1

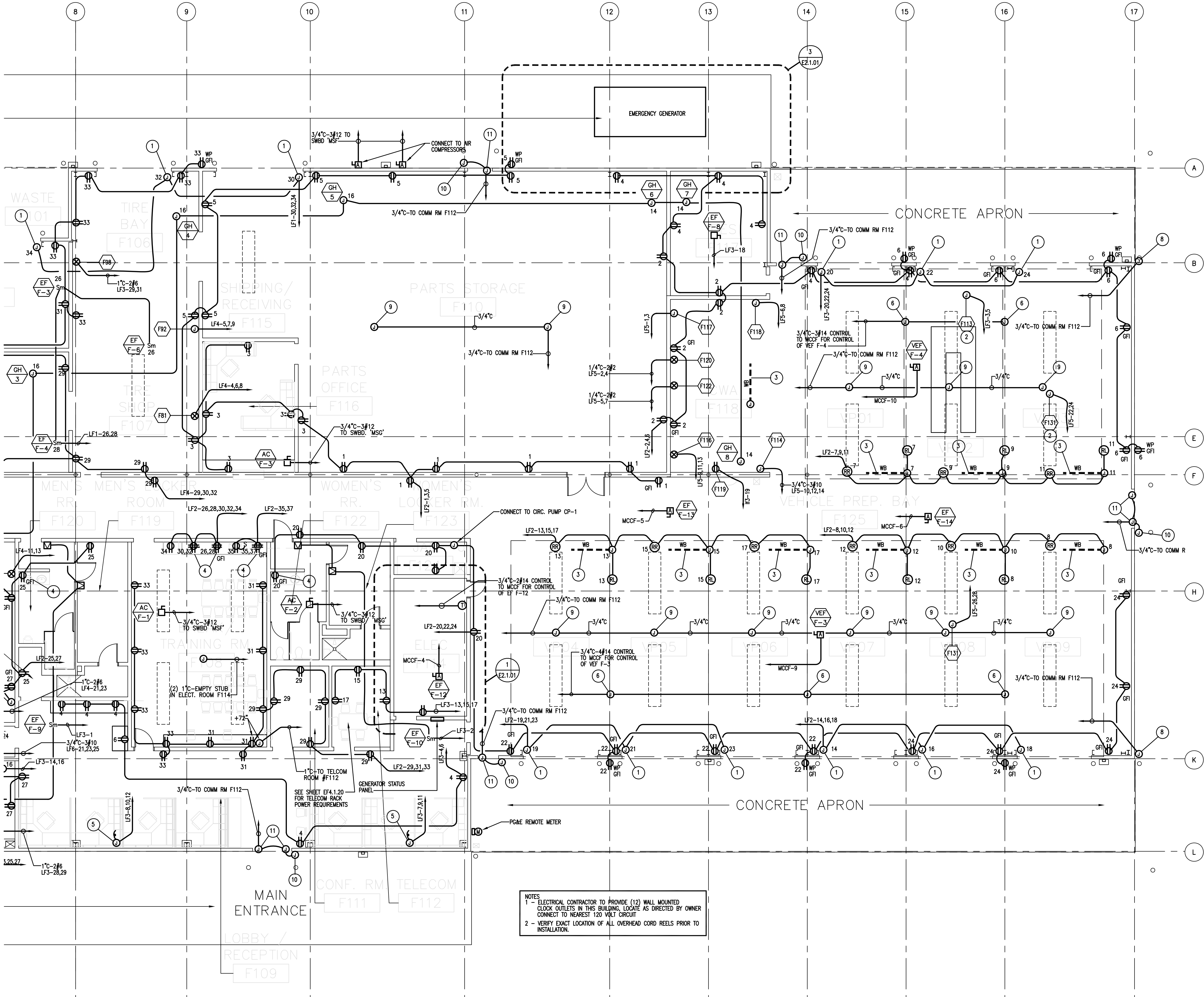
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PROJECT # 200525.000
SHEET NUMBER

EF2.1.11

BUILDING F EQUIPMENT LIST			ELECTRICAL		
NO.	QUANTITY	ITEM	VOLTS	LOAD	PHASE
F81	1	COATS BALANCER	220	20A	3
F82	1	ELLIS MITER BAND SAW	220	8.8	1
F83	1	CLAUSING BAND SAW	230	1.5KW	3
F84	1	ROCKWELL BELT SANDER	220	50A	1
F85	1	ROCKWELL BELT SANDER	220	20	3
F86	1	AMMCO BRAKE LATHE	110	11A	1
F87	1	BOICE DRILL PRESS	220	12A	3
F89	1	AUTO START GRINDER	220	8.6A	3
F90	1	CYC HYDRAULIC PRESS	110	7.6A	1
F91	1	UNI-HYDRO IRON WORKER	220	25A	3
F92	1	AMMCO TIRE MACHINE	230	8A	3
F93	1	OSBERG OIL FILLER PRESS	110	1	1
F94	1	LANDA PARTS WASHER	208	3	3
F95	1	COATS RIM CLAMP	110	3A	1
F96	1	DAYTON SAND BLASTER	110	3A	1
F97	1	SIMPLEX PRESS	208	1	1
F98	1	MIG WELDER	208	1	1
F99	1	SUN SMOG MACHINE DYNO	230	20A	1
F102	1	SETAC VEHICLE LIFT	220	50A	3
F103	1	ROTARY VEHICLE LIFT	230	17A	1
F104	1	ROTARY VEHICLE LIFT	230	17A	1
F110	1	WELDER	208/220	93/82	1
F112	1	LIFT ABOVE GROUND	208	17	1
F113	1	LIFT DRIVE ON	208	1	1
F114	1	IRON WORKER	220	3	3
F116	1	SANDER ROTARY / BELT	220	3	3
F117	1	BAND SAW	115	1	1
F118	1	GRINDER / WIRE WHEEL	115	1	1
F119	1	DRILL PRESS	115	1	1
F120	1	WELDER ARC	220	1	1
F121	1	REFRIGERATOR	120	1	1
F122	1	WELDER ARC	220	1	1
F123	1	REFRIGERATOR	120	1	1
F130		PARALLELOGRAM LIFT	208	46.5A	3
F131		ROTARY LIFT	208	2HP	1

PLAN NOTES

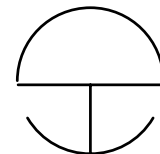
- CONNECT TO OVERHEAD DOOR MOTOR AND CONTROLS, ALL CONTROLS FURNISHED WITH DOOR.
- OVERHEAD CONDUIT DROP TO OWNER FURNISHED EQUIPMENT SEE DETAIL 7 / E2.1.02
- OVERHEAD CONDUIT DROP TO OWNER FURNISHED WORKBENCH SEE DETAIL 6 / E2.1.02
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- NOTES
- ELECTRICAL CONTRACTOR TO PROVIDE (12) WALL MOUNTED CLOCK OUTLETS IN THIS BUILDING. LOCATE AS DIRECTED BY OWNER. CONNECT TO NEAREST 120 VOLT CIRCUIT.
 - VERIFY EXACT LOCATION OF ALL OVERHEAD CORD REELS PRIOR TO INSTALLATION.

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POWER PLAN - AREA 2

SCALE:1/8" = 1'-0"

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PHASE II PROJECT**



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POWER PLAN
BLDG. F AREA 2

DRAWN BY:
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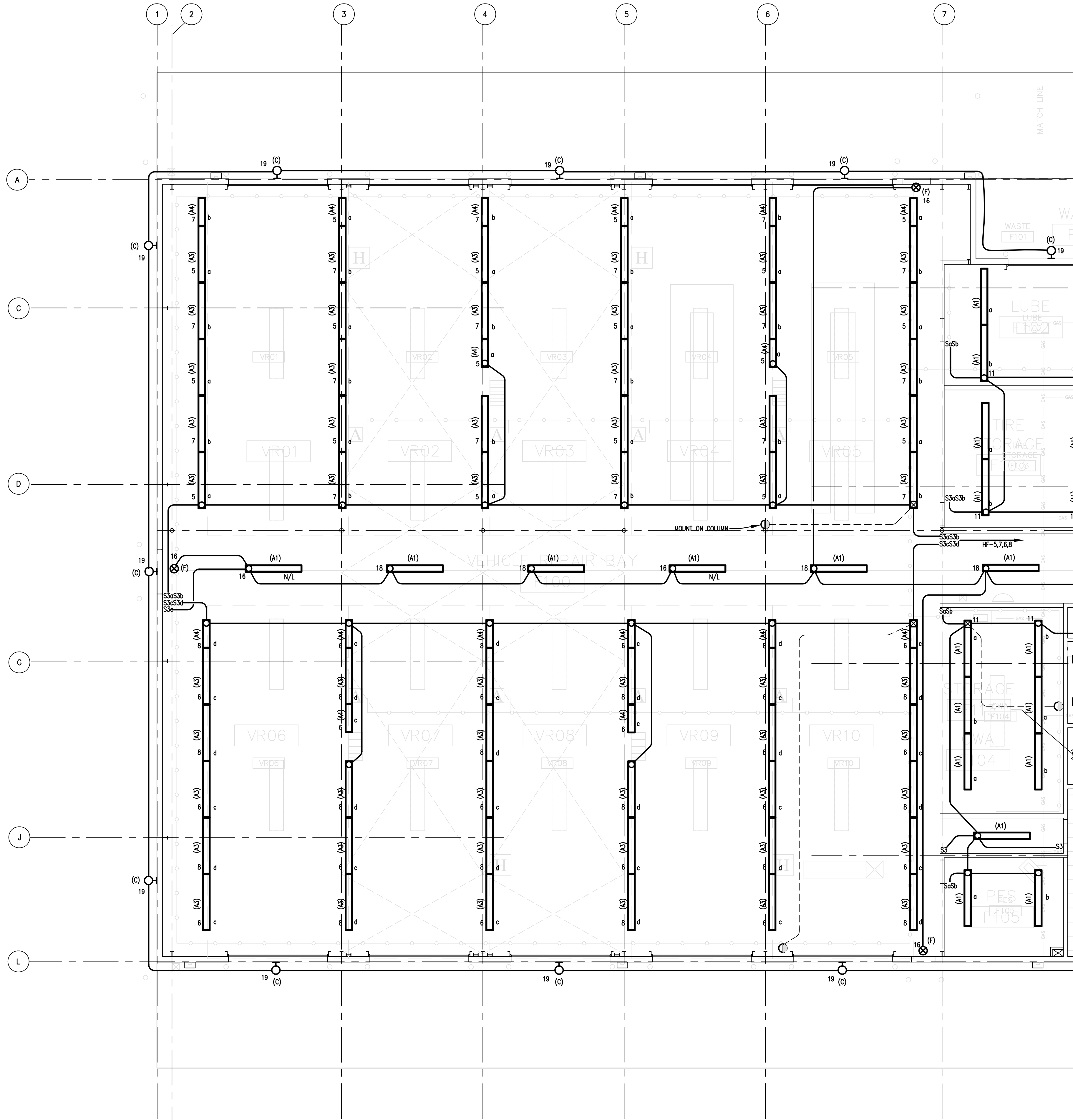
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PLAN NOTES

1 PROVIDE UNSWITCHED CIRCUIT TO NIGHT LIGHT.



1

LIGHTING PLAN - AREA 1

SCALE: 1/8" = 1'-0"

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**CENTRAL SERVICE YARD
PHASE II PROJECT**

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95128-1000
PROJECT NO: 884
DEPT FILE NO:

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CITY OF SAN JOSE
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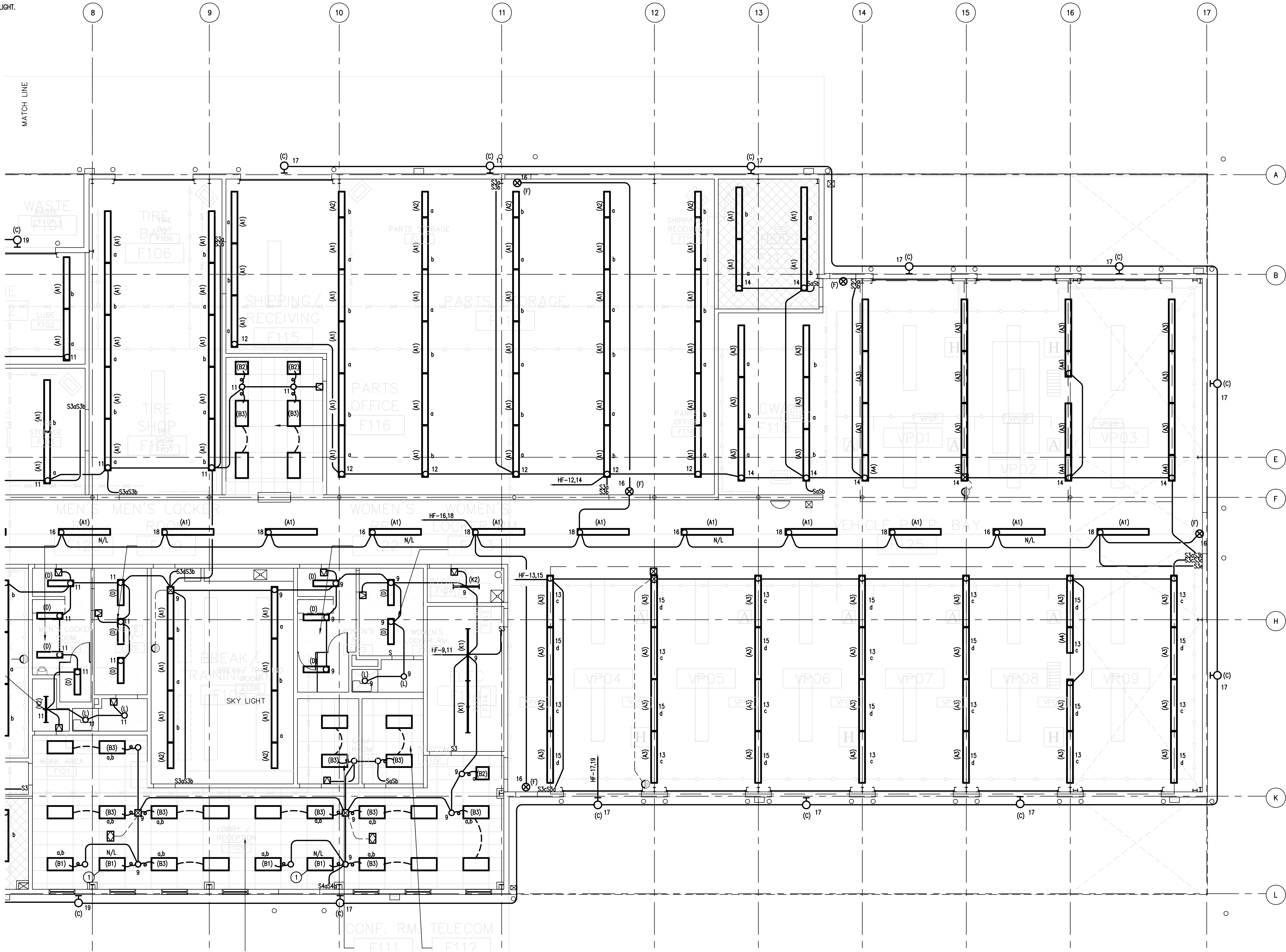
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LIGHTING PLAN
BLDG. F AREA 1

DRAWN BY:
PROJECT # 200525.000
SHEET NUMBER

EF3.1.11

PLAN NOTES

- 1 PROVIDE UNSWITCHED CIRCUIT TO NIGHT LIGHT.



AF3.1.1

LIGHTING PLAN - AREA 2

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EF3.1.12.dwg

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PROJECT NO: 884
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**CENTRAL SERVICE YARD
PHASE II PROJECT**

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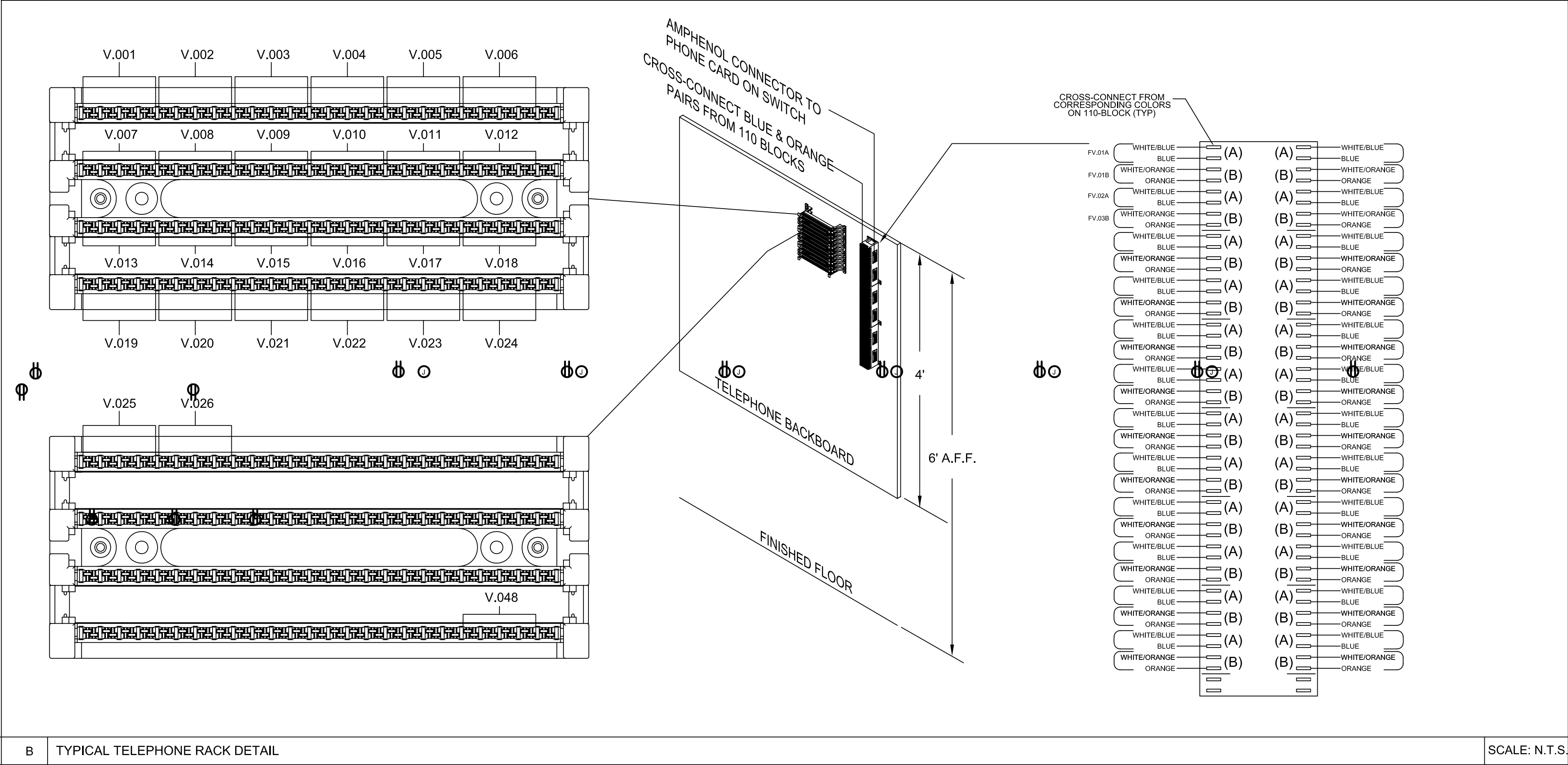
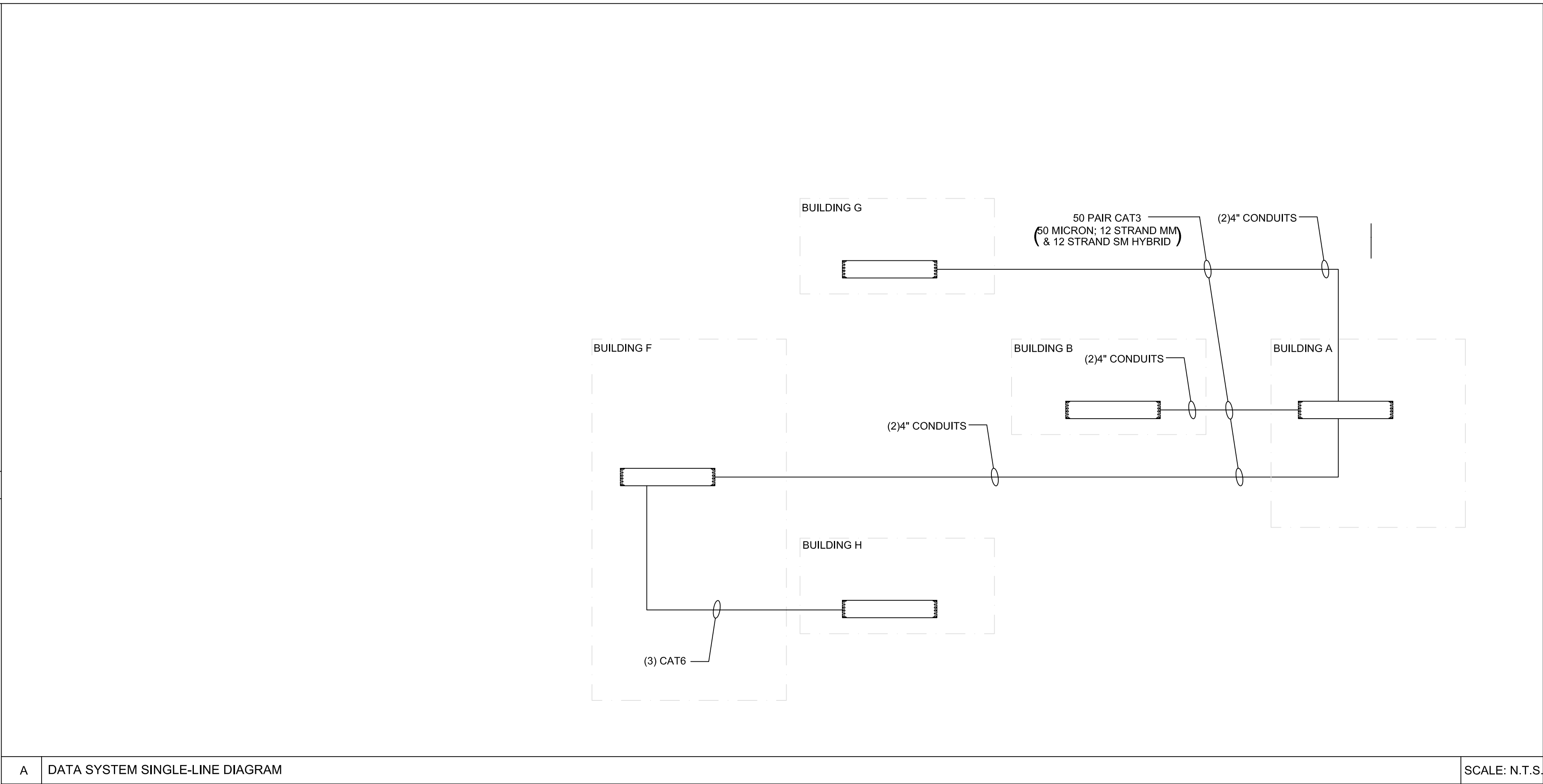
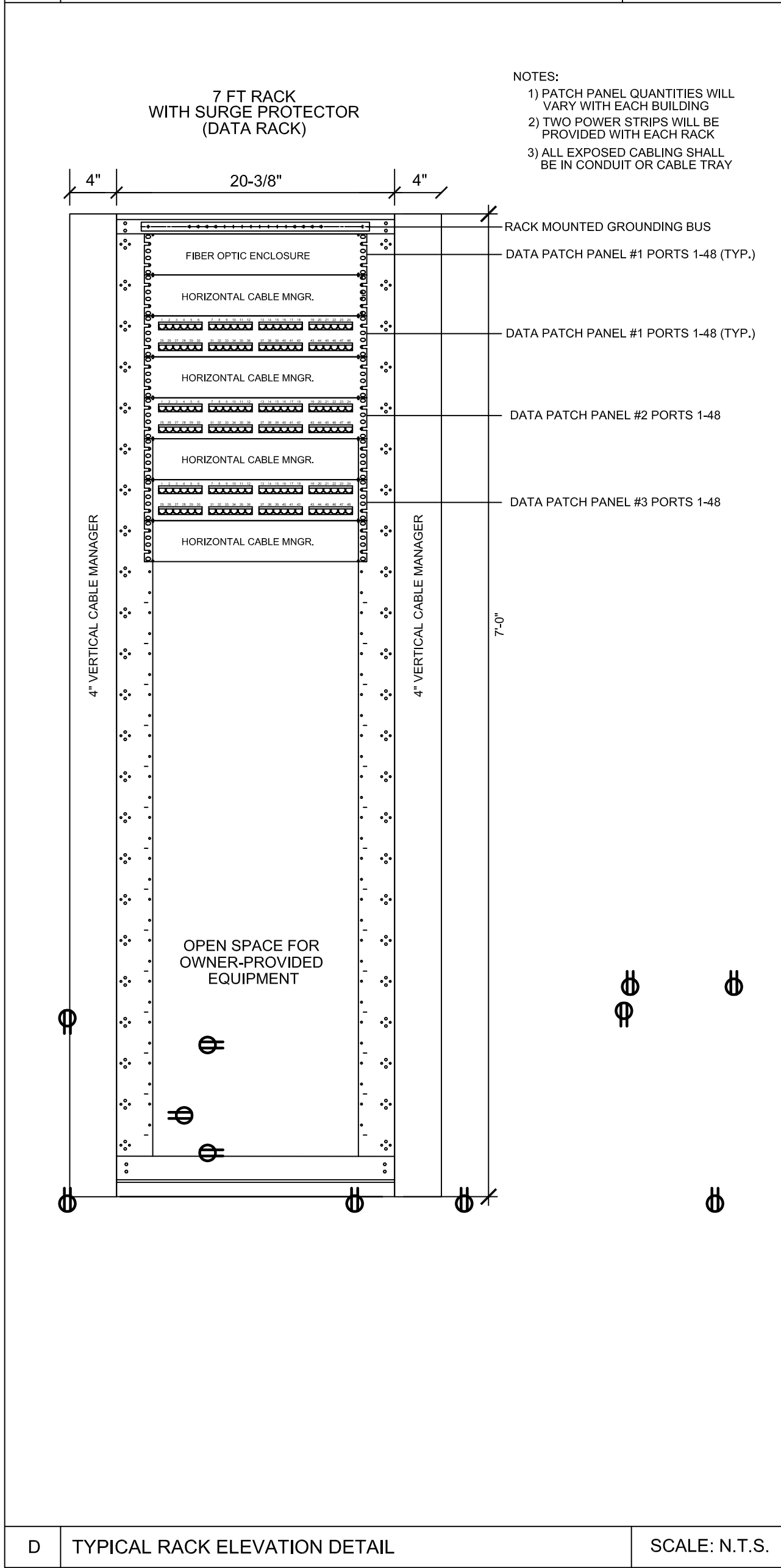
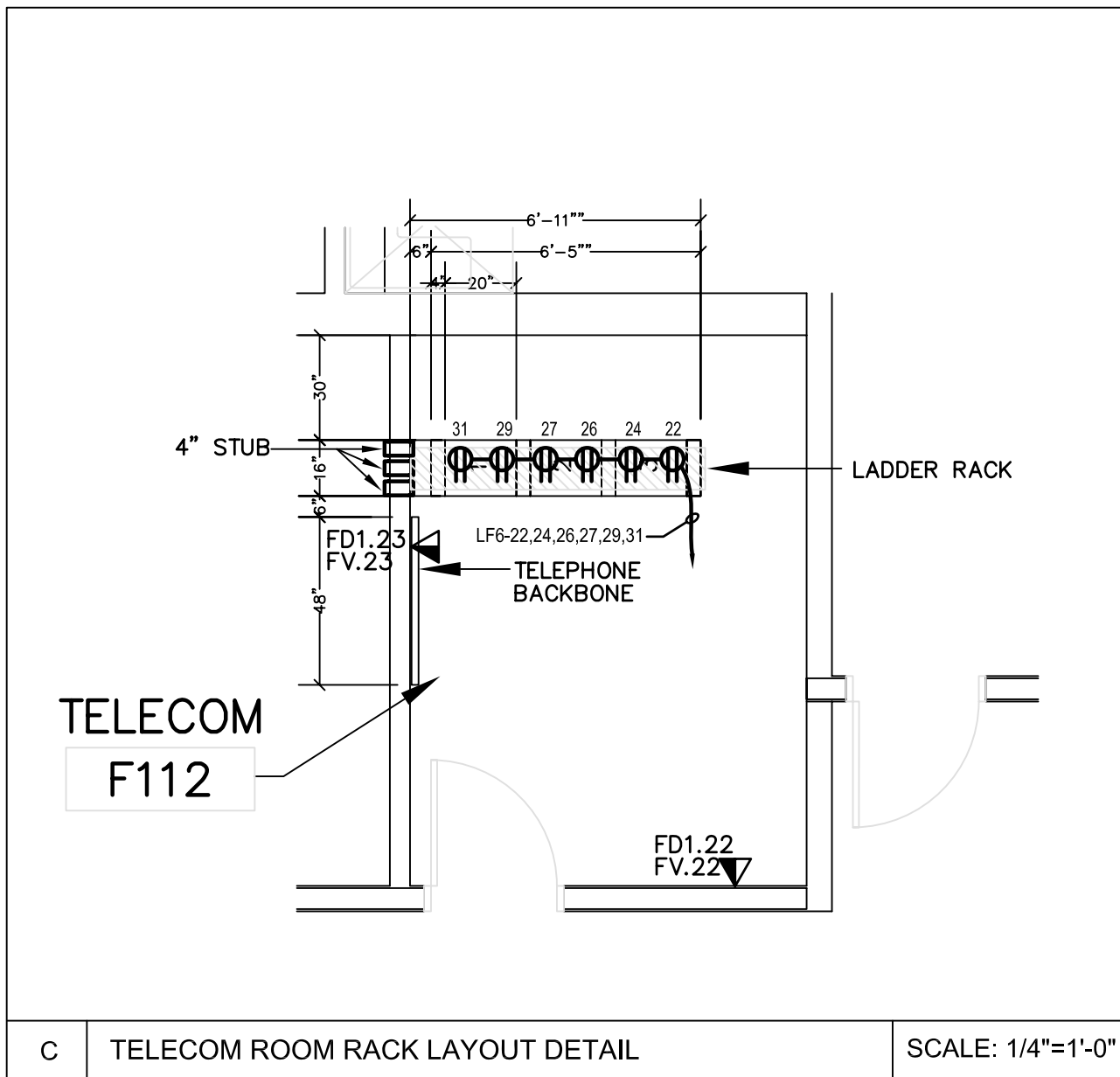
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LIGHTING PLAN
BLDG. F AREA 2

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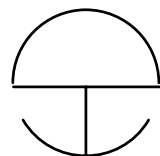
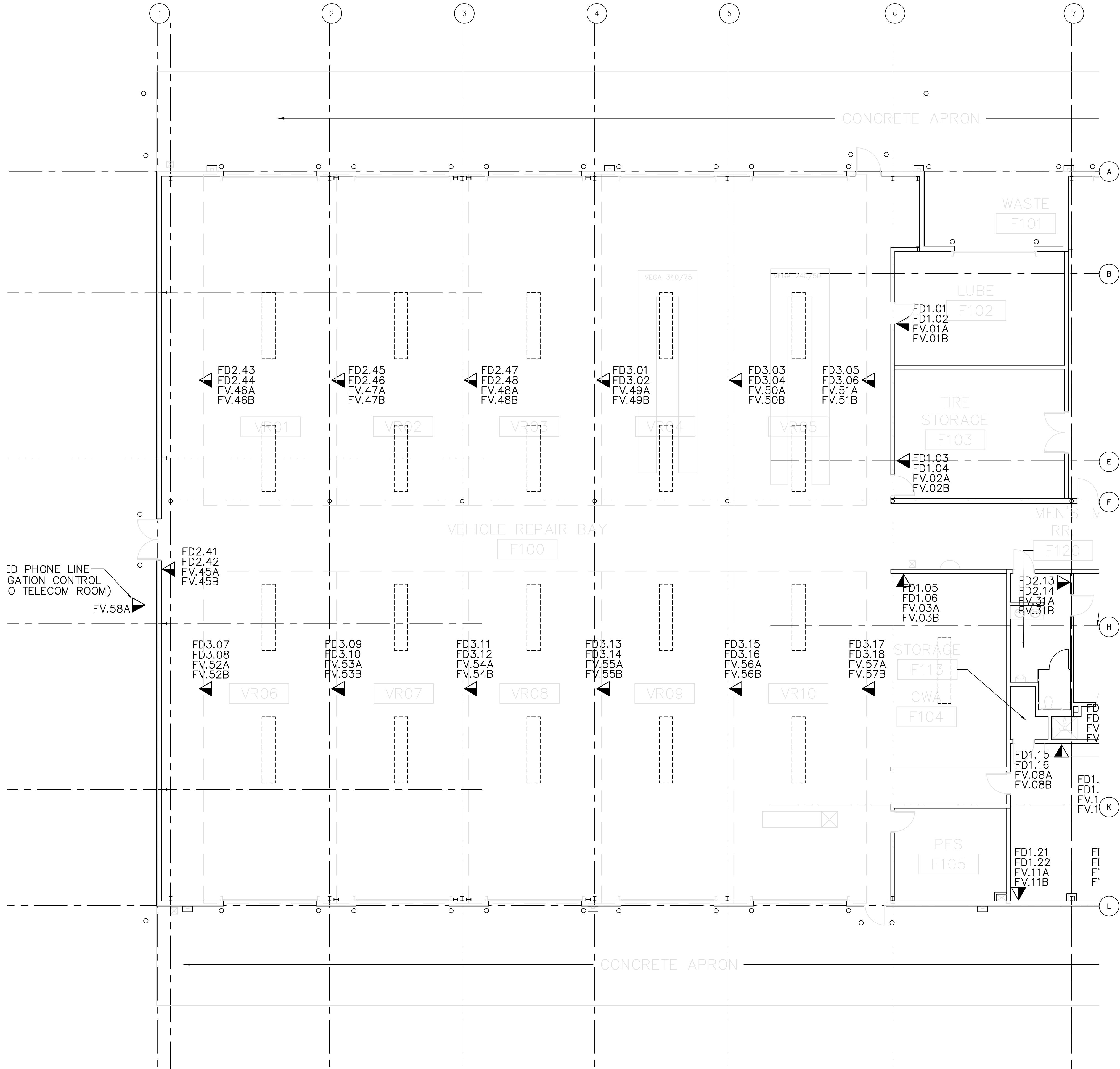
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BLDG. F

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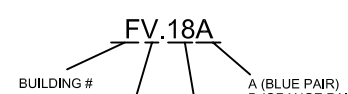
COMMUNICATIONS PLAN - AREA 1

SCALE: 1/8" = 1'-0"

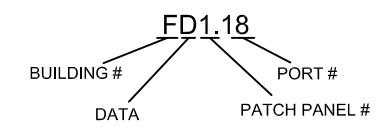
TELEPHONE AND DATA SYSTEM SYMBOL LIST

SYMBOL	DESCRIPTION	CABLE
	2 DATA & 2 VOICE	(3) CAT5

TELEPHONE ADDRESS DESCRIPTION



DATA ADDRESS DESCRIPTION



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SAN JOSE, CALIFORNIA
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DEPT FILE NO.

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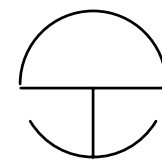
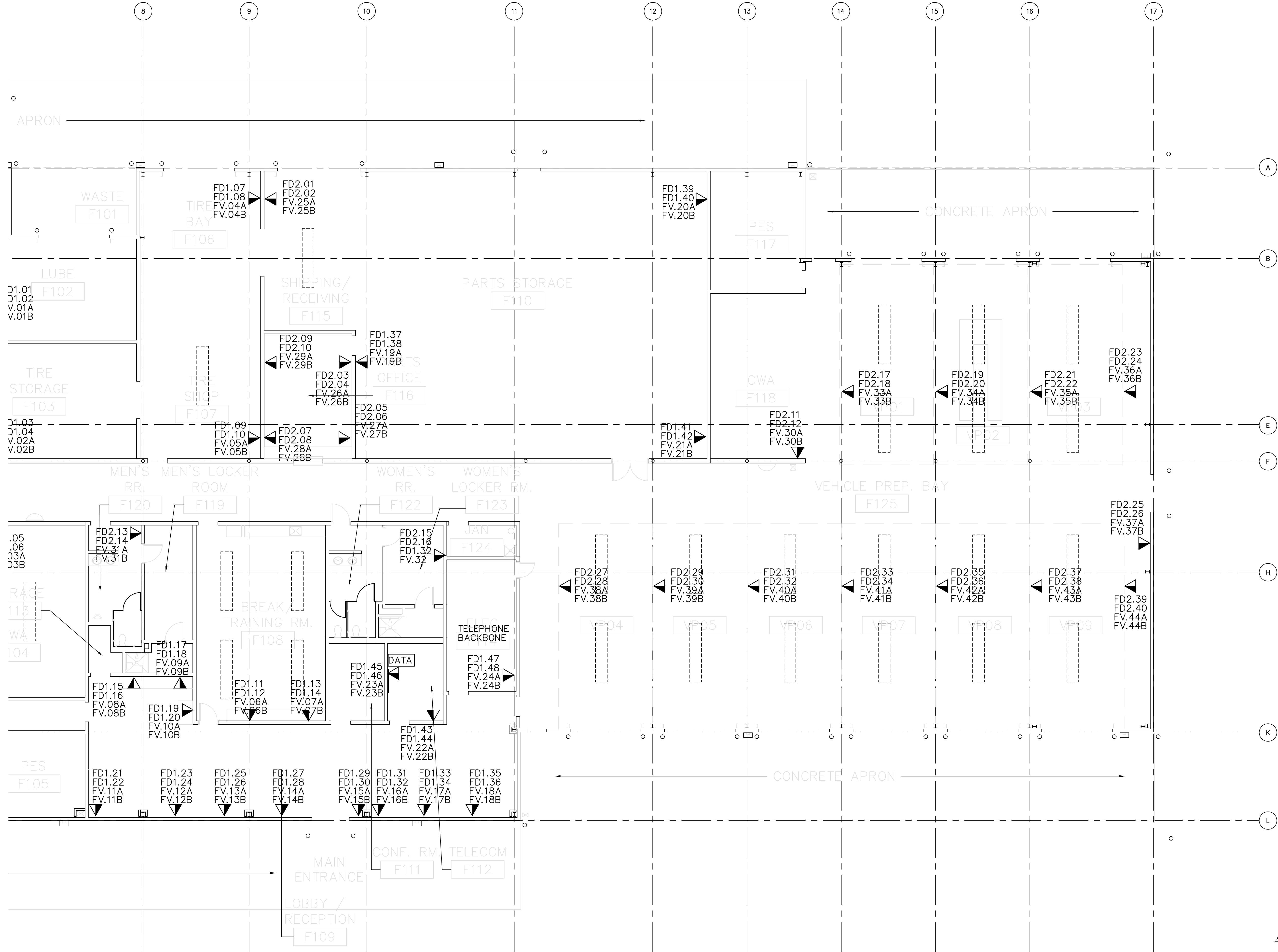
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BLDG. F AREA 1

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SHEET NUMBER

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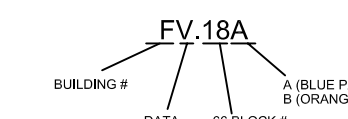
COMMUNICATIONS PLAN - AREA 2

SCALE: 1/8" = 1'-0"

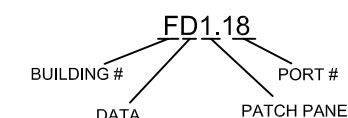
TELEPHONE AND DATA SYSTEM SYMBOL LIST

SYMBOL	DESCRIPTION	CABLE
	2 DATA & 2 VOICE	(3) CAT5

TELEPHONE ADDRESS DESCRIPTION



DATA ADDRESS DESCRIPTION



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CONSULTANT:

CENTRAL SERVICE YARD
PHASE II PROJECT



PROJECT ADDRESS:
1881 SENTER ROAD
SAN JOSE, CALIFORNIA
PROJECT NO. 684
DEPT FILE NO.

DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
SAN JOSE, CALIFORNIA 95131
PROJECT MANAGER: MARY FOLLENWEIDER
VOICE: (408) 535-3371 FAX: (408) 292-5288

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Architecture • Interiors • Planning
401 Broadway
San Jose, California 95131
(408) 435-2800 Fax: (408) 435-3333



DRAWING TITLE:
COMMUNICATION PLAN
BLDG. F AREA 2

DRAWN BY:
PROJECT # 200525.000
SHEET NUMBER

EF4.1.22

PLAN NOTES

- 1

CONNECT TO OVERHEAD DOOR MOTOR AND CONTROLS, ALL CONTROLS FURNISHED WITH DOOR.
- 2

OVERHEAD CONDUIT DROP TO OWNER FURNISHED EQUIPMENT SEE DETAIL 7 / E2.1.02
- 3

OVERHEAD CONDUIT DROP TO OWNER FURNISHED WORKBENCH SEE DETAIL 6 / E2.1.02
- 4

MOUNT OUTLET ABOVE COUNTER.
- 5

CONNECT TO MODULAR FURNITURE SYSTEM
- 6

CONNECT TO MICRO SWITCH IN HOSE REEL FOR ON-OFF OPERATION OF VEHICAL EXHAUST FAN
- 7

INTERLOCK DUST COLLECTION SYSTEM (WEF-1) TO OWNER FURNISHED EQUIPMENT FOR AUTOMATIC STARTING OF WEF-1 WHEN EQUIPMENT IS TURNED ON.
- 8

OUTLET BOX ON WALL BELOW ROOF FOR FUTURE CATV CAMERA BY OWNER
- 9

OUTLET BOX FOR FUTURE PA SYSTEM BY OWNER
- 10

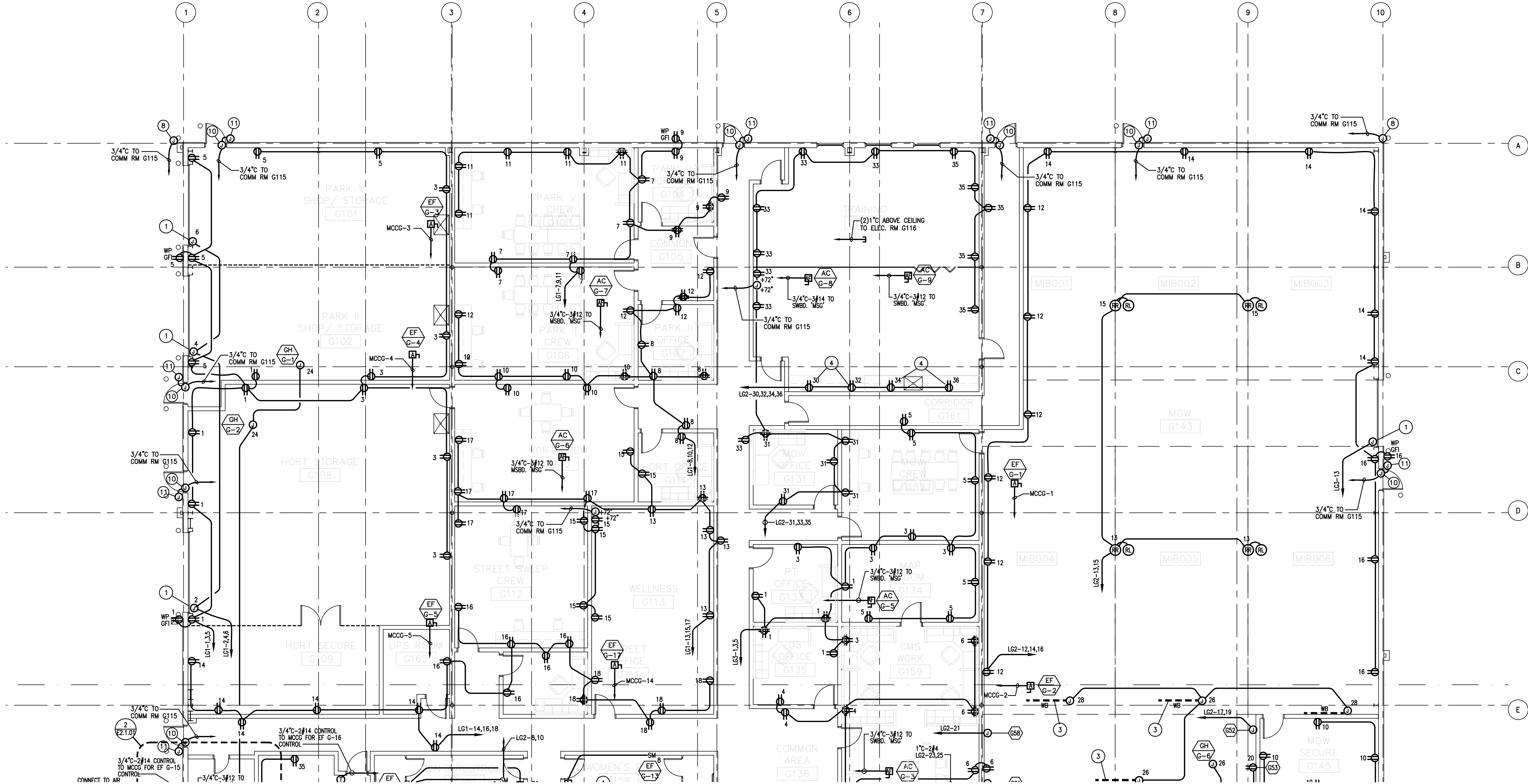
OUTLET BOX FOR FUTURE CARD READER BY OWNER MOUNT AT +48" A.F.F.
- 11

OUTLET BOX FOR FUTURE DOOR CONTACT BY OWNER MOUNT FLUSH IN DOOR HEADER
- 12

NEMA L15-50R RECEPTACLE FOR VEHICLE LIFT
- 13

ELECTRICAL TEST STATION, PROVIDE TERMINAL LUGS, SUBPANELS, WIREMOLD AND MULTI-CONFIGURATION RECEPTACLES FOR TESTING 3 PHASE 480V, 3 PHASE 208V, 1 PHASE 208V, 1 PHASE 208V AND 1 PHASE 277V EQUIPMENT, THE TEST STATION SHALL MATCH THE DESIGN OF THE EXISTING TEST STATION AT THE CITY MAIN YARD. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF STATION DESIGN TO THE CITY FOR APPROVAL.

BUILDING G EQUIPMENT LIST			ELECTRICAL			REMARKS
NO.	QUANTITY	ITEM	VOLTS	LOAD	PHASE	
G51	1	ADJUSTABLE O/H HOIST	115/230	16/8A	1	TWIST LOCK RECEPTACLE
G52	1	GRINDER	115/230	2HP	1	15/2 BREAKER HARD WIRED
G53	1	DRILL PRESS	110	15A	1	20A RECEPTACLE
G54	1	CHOP SAW	115	15A	1	20A RECEPTACLE
G55	1	MIG WELDER	220	50A	1	NEMA 6-50 RECEPTACLE
G58	1	PARTS WASHER				
G61	1	MIG WELDER	208/220	50A	1	100/2 BREAKER WELDER RECEPTACLE
G62	1	SMOG HOG	110	15A	1	20A RECEPTACLE
G62A	1	SMOG HOG	110	15A	1	20A RECEPTACLE
G63	1	ORBIT DRILL PRESS	110	12A	1	20A RECEPTACLE
G64	1	ROLLIFT TABLE	110	14A	1	20A RECEPTACLE
G65	1	BEAD BLASTER	115	.5HP	1	20A RECEPTACLE
G66	2	GRINDER	120		1	
G68	1	BELT SANDER	120		1	
G69	1	DRILL PRESS	120		1	
G71	1	CLOTHES WASHER	120		1	
G72	1	CLOTHES DRYER	240		1	



1	CONNECT TO OVERHEAD DOOR MOTOR AND CONTROLS, ALL CONTROLS FURNISHED WITH DOOR.	9	OUTLET BOX FOR FUTURE PA SYSTEM BY OWNER
2	OVERHEAD CONDUIT DROP TO OWNER FURNISHED EQUIPMENT SEE DETAIL 7 / E2.1.02	10	OUTLET BOX FOR FUTURE CARD READER BY OWNER MOUNT AT +48" A.F.F.
3	OVERHEAD CONDUIT DROP TO OWNER FURNISHED WORKBENCH SEE DETAIL 6 / E2.1.02	11	OUTLET BOX FOR FUTURE DOOR CONTACT BY OWNER MOUNT FLUSH IN DOOR HEADER
4	MOUNT OUTLET ABOVE COUNTER.	12	NEMA 115-50R RECEPTACLE FOR VEHICLE LIFT
5	CONNECT TO MODULAR FURNITURE SYSTEM	13	ELECTRICAL TEST STATION, PROVIDE TERMINAL LUGS, SUBPANELS, WIREMOLD AND MULTI-CONFIGURATION RECEPTABLES FOR TESTING 3 PHASE 480V, 3 PHASE 208V, 1 PHASE 208V AND 1 PHASE 277V EQUIPMENT. THE TEST STATION SHALL MATCH THE DESIGN OF THE EXISTING TEST STATION AT THE CITY MAIN YARD. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF STATION DESIGN TO THE CITY FOR APPROVAL.
6	CONNECT TO MICRO SWITCH IN HOSE REEL FOR ON-OFF OPERATION OF VEHICAL EXHAUST FAN		
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8	OUTLET BOX ON WALL BELOW ROOF FOR FUTURE CATV CAMERA BY OWNER		

BUILDING G EQUIPMENT LIST			ELECTRICAL			REMARKS
NO.	QUANTITY	ITEM	VOLTS	LOAD	PHASE	
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G52	1	GRINDER	115/230	2HP	1	15/2 BREAKER HARD WIRED
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G64	1	ROLIFT TABLE	110	14A	1	20A RECEPTACLE
G65	1	BEAD BLASTER	115	5HP	1	20A RECEPTACLE
G66	2	GRINDER	120		1	
G68	1	BELT SANDER	120		1	
G69	1	DRILL PRESS	120		1	
G71	1	CLOTHES WASHER	120		1	
G72	1	CLOTHES DRYER	240		1	

ISSUED FOR:	DATE:
PERMIT SET	24APR06

CONSULTANT:

CENTRAL SERVICE YARD

PHASE II PROJECT

PROJECT ADDRESS:
1661 SENTER ROAD
SAN JOSE, CALIFORNIA

PROJECT NO: 684
DEPT FILE NO:

DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
2200 E. SANTA CLARA STREET
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San Jose, California 95131
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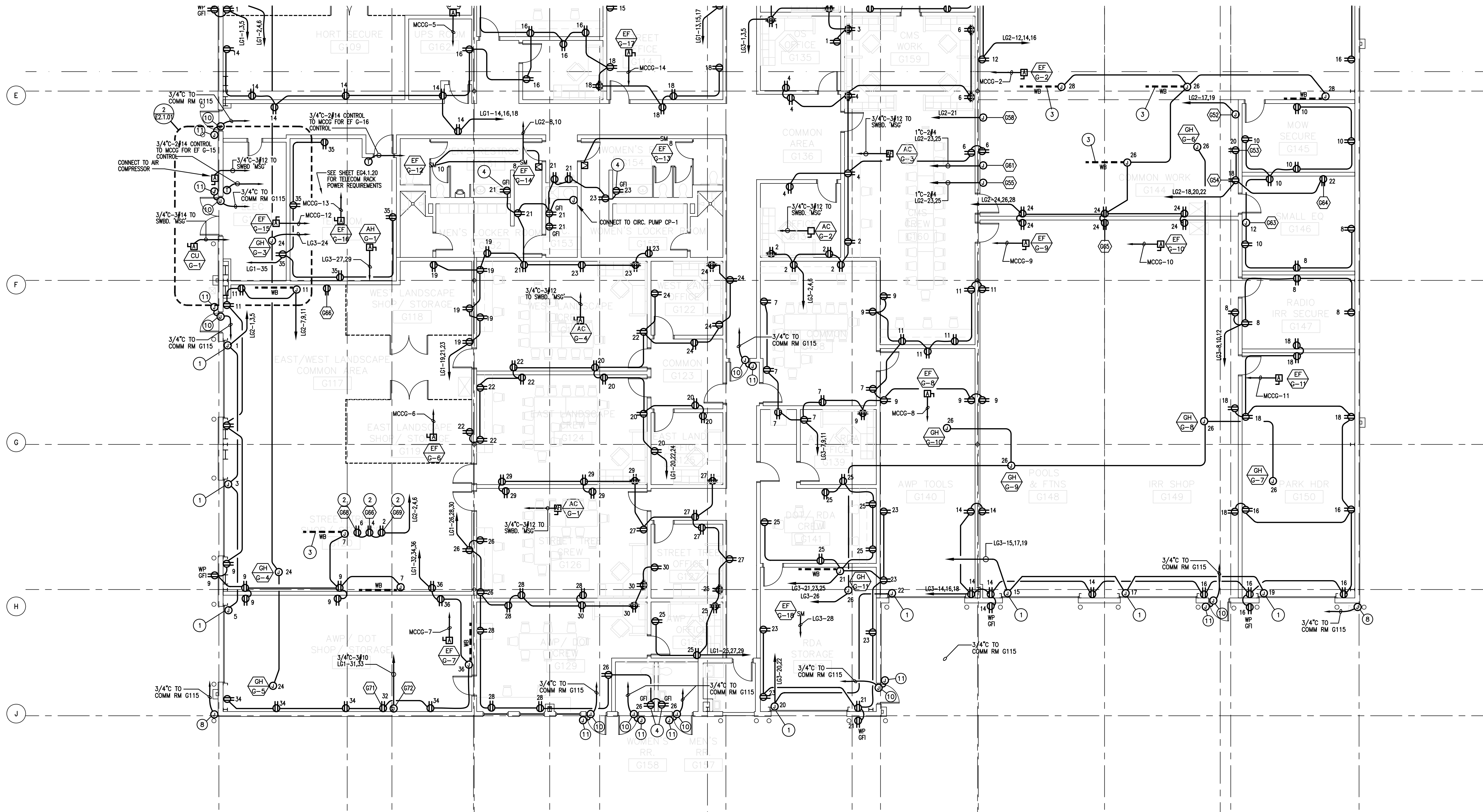
DRAWING TITLE:
POWER PLAN
BLDG. G AREA 2

RAWN BY:

PROJECT # 200525.000

SHEET NUMBER

EG2.1.12



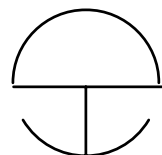
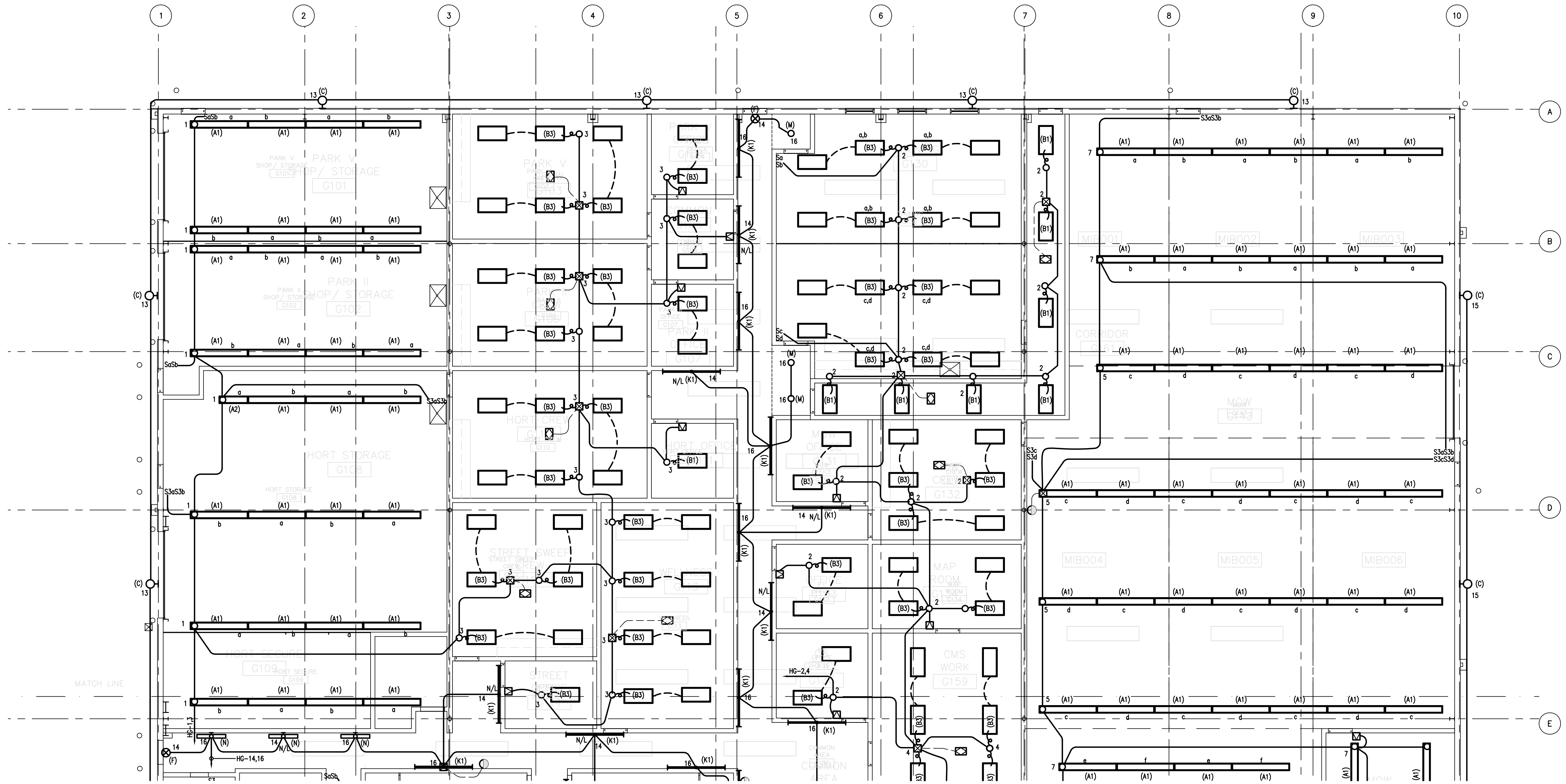
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PLAN NOTES

- 1 PROVIDE UNSWITCHED CIRCUIT TO NIGHT LIGHT.



LIGHTING PLAN - AREA 1

SCALE: 1/8" = 1'-0"

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EG3.1.1.dwg

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**CENTRAL SERVICE YARD
PHASE II PROJECT**

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CITY OF SILICON VALLEY
DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
1661 SENTER ROAD
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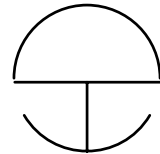
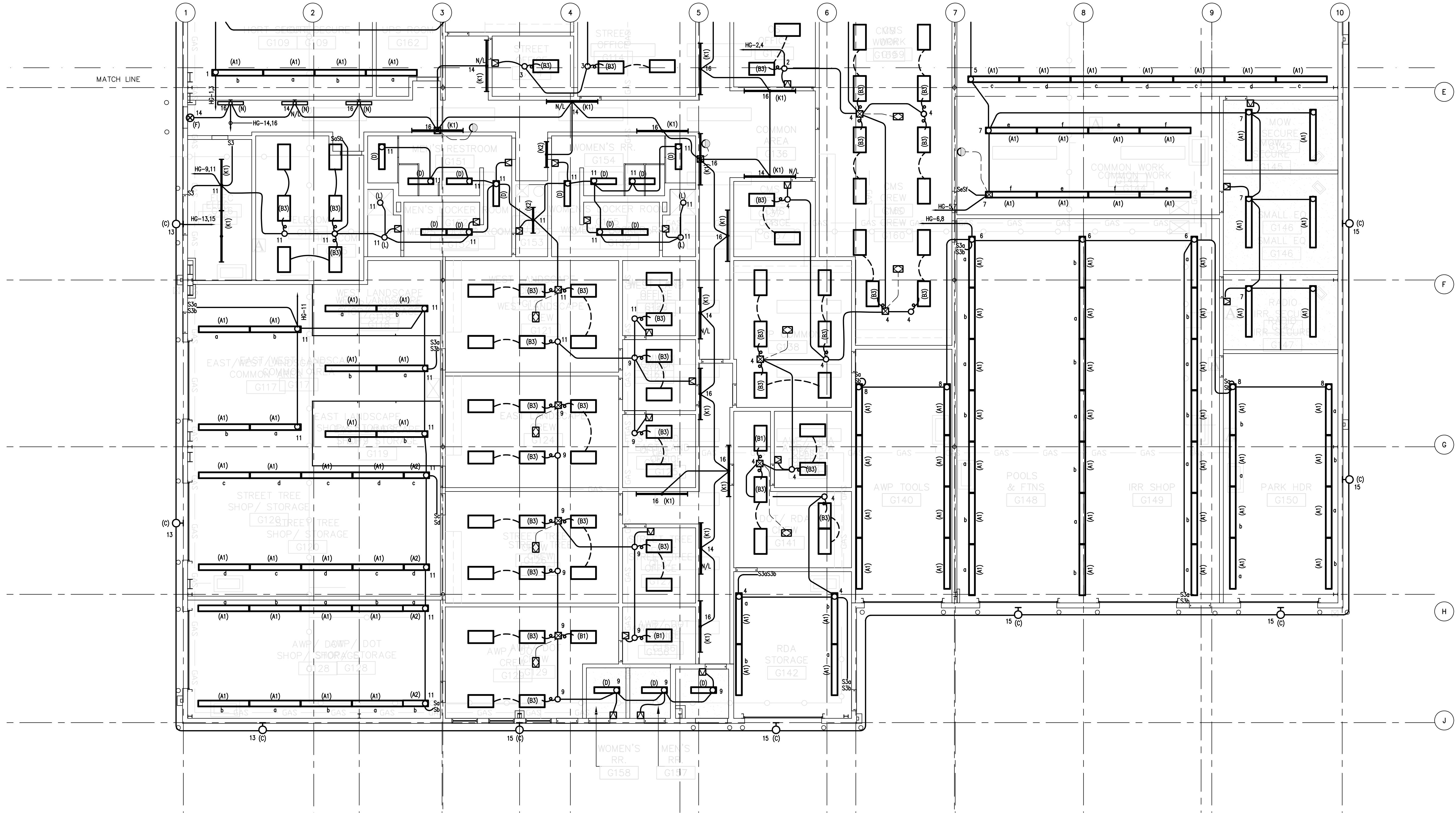
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LIGHTING PLAN
BLDG. G AREA 1

DRAWN BY:
PROJECT # 200525.000
SHEET NUMBER

EG3.1.11

PLAN NOTES

1 PROVIDE UNSWITCHED CIRCUIT TO NIGHT LIGHT.



LIGHTING PLAN - AREA 2

SCALE: 1/8" = 1'-0"

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EG3.1.12.dwg

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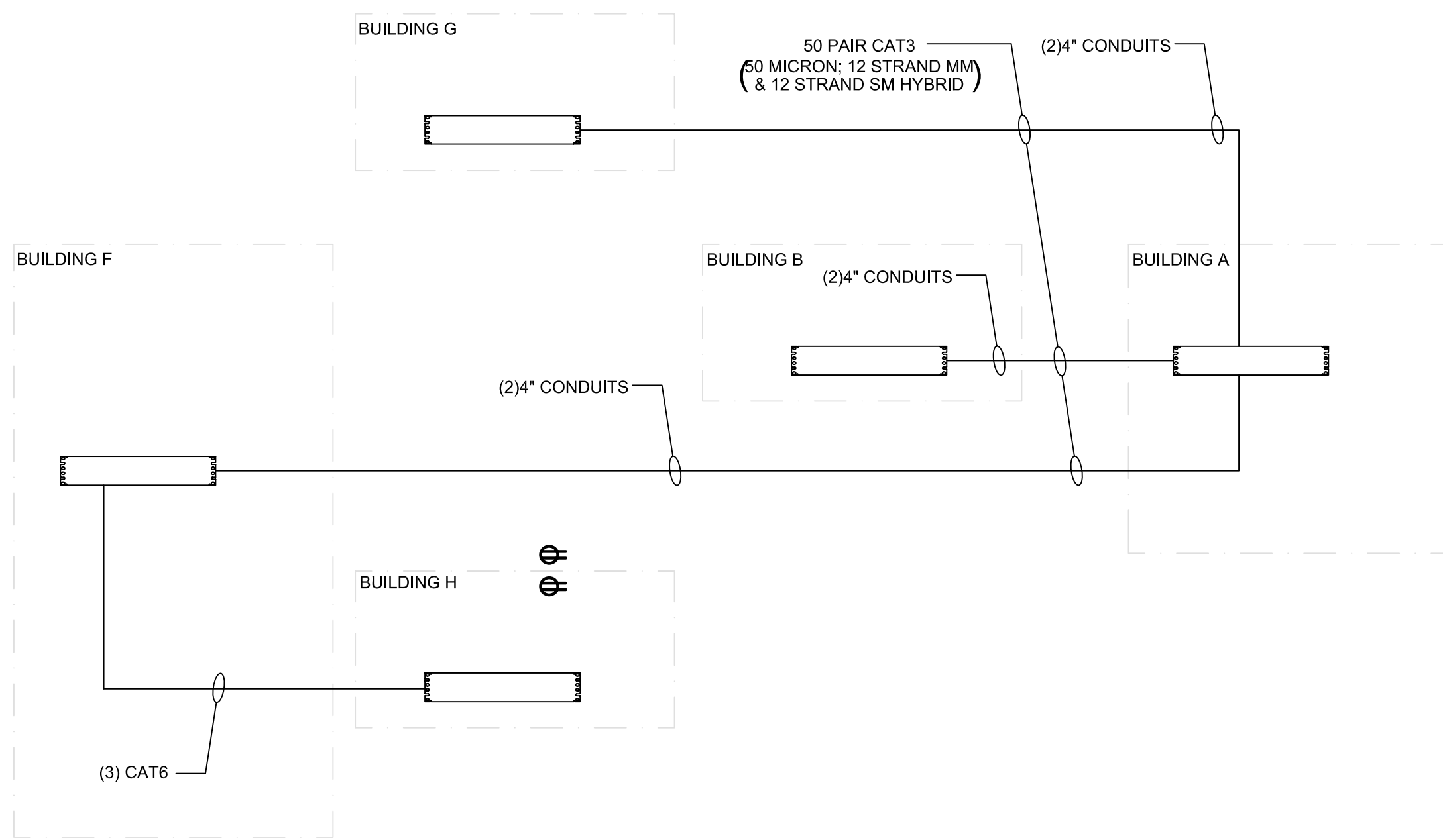


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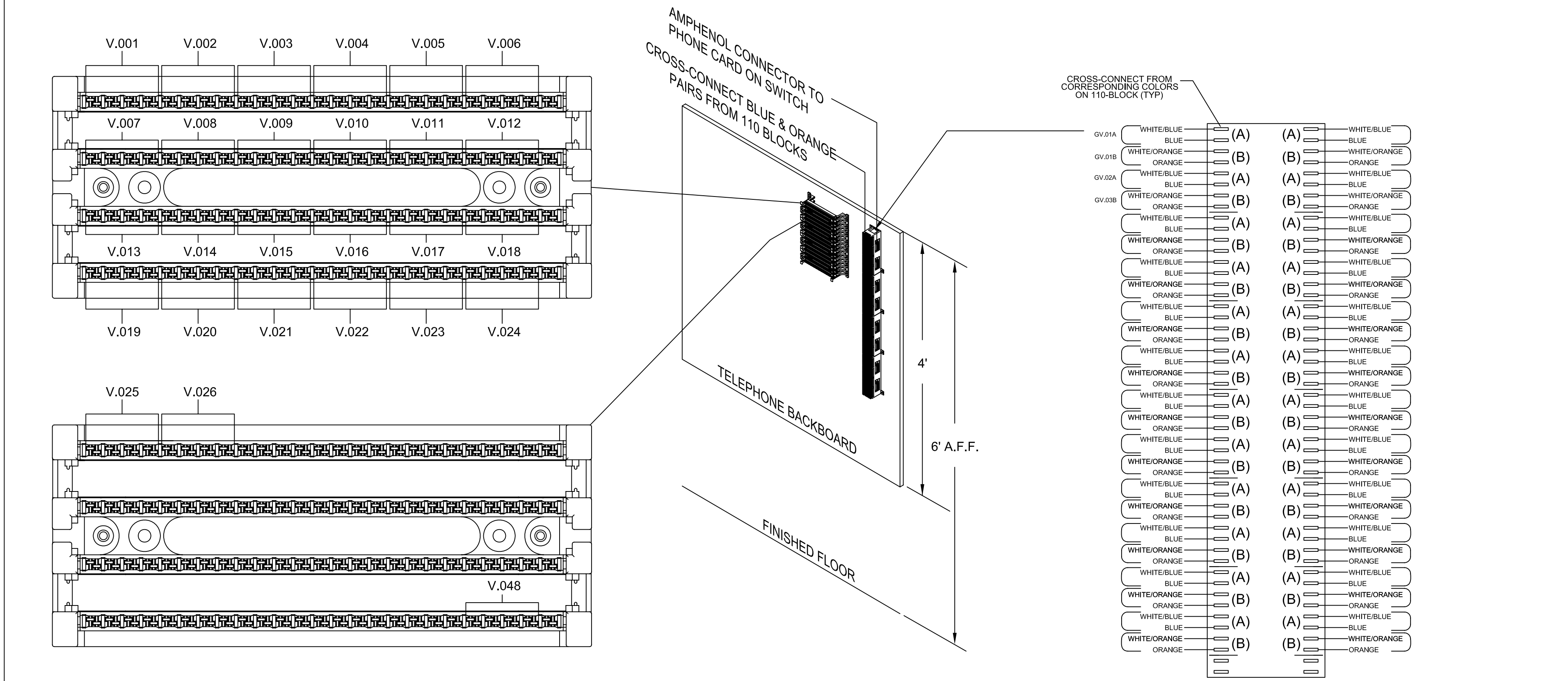
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LIGHTING PLAN
BLDG. G AREA 2

DRAWN BY:
PROJECT # 200525.000
SHEET NUMBER

EG3.1.12



SCALE: N.T.S



SCALE: N.T.S

CENTRAL SERVICE YARD

PHASE II PROJECT



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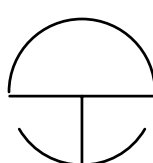
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COMMUNICATION PLAN
BLDG. G AREA 1

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PROJECT # 200525.000
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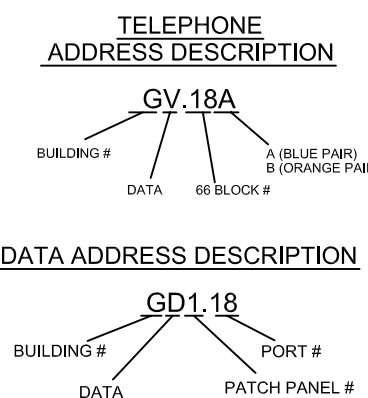
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COMMUNICATIONS PLAN - AREA 1

SCALE: 1/8" = 1'-0"

TELEPHONE AND DATA SYSTEM SYMBOL LIST		
SYMBOL	DESCRIPTION	CABLE
	2 DATA & 2 VOICE	(3) CAT6



4/21/2006 2:50 PM
EG4.1.22.dwg

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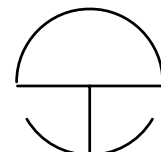
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J

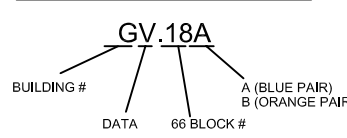


COMMUNICATIONS PLAN - AREA 2
SCALE: 1/8" = 1'-0"

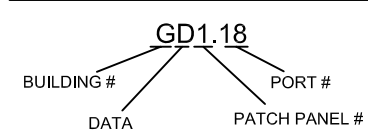
TELEPHONE AND DATA SYSTEM SYMBOL LIST

SYMBOL	DESCRIPTION	CABLE
▼	2 DATA & 2 VOICE	(3) CAT6

TELEPHONE ADDRESS DESCRIPTION



DATA ADDRESS DESCRIPTION



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PROJECT NO. 684
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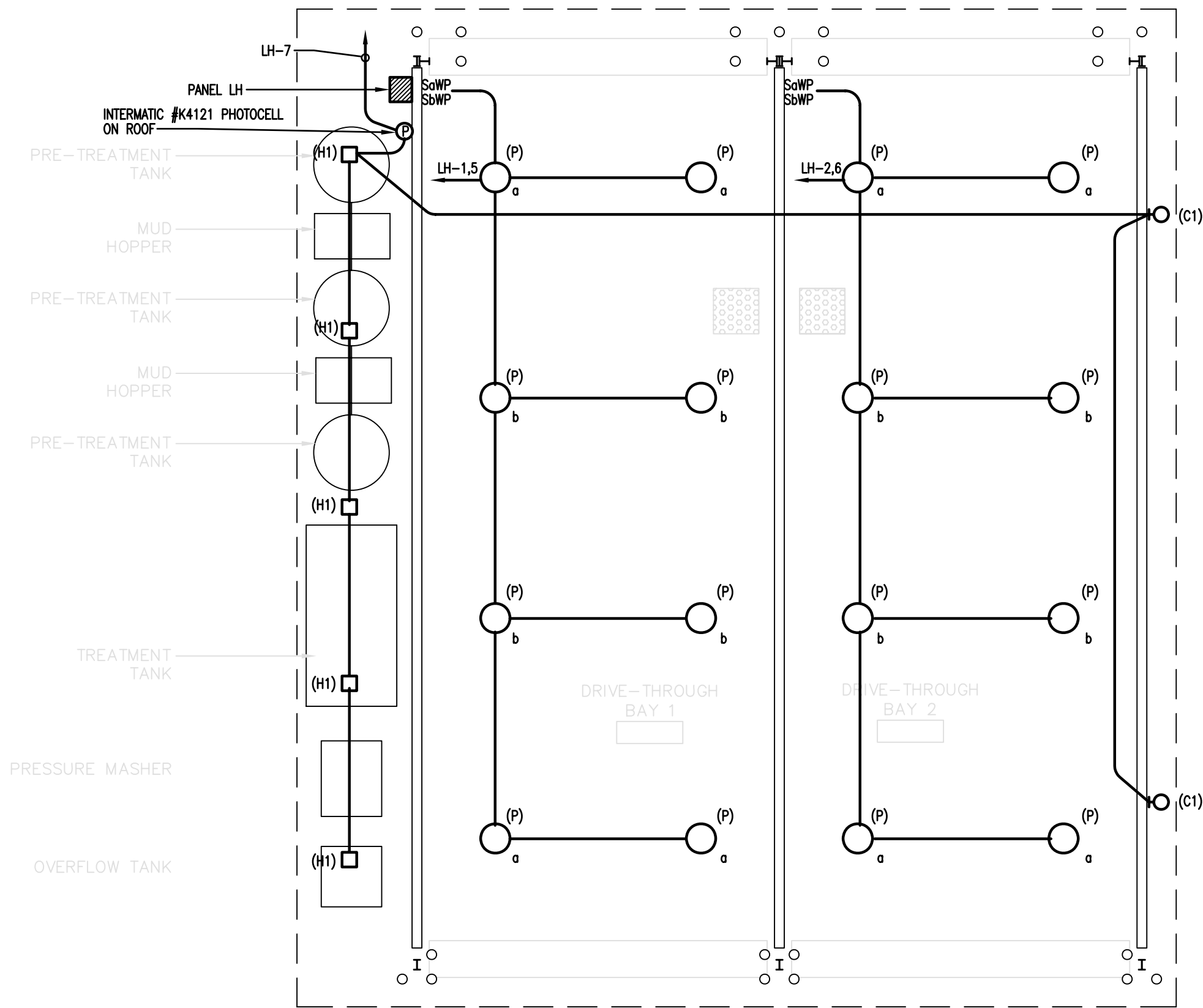
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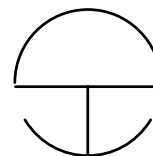


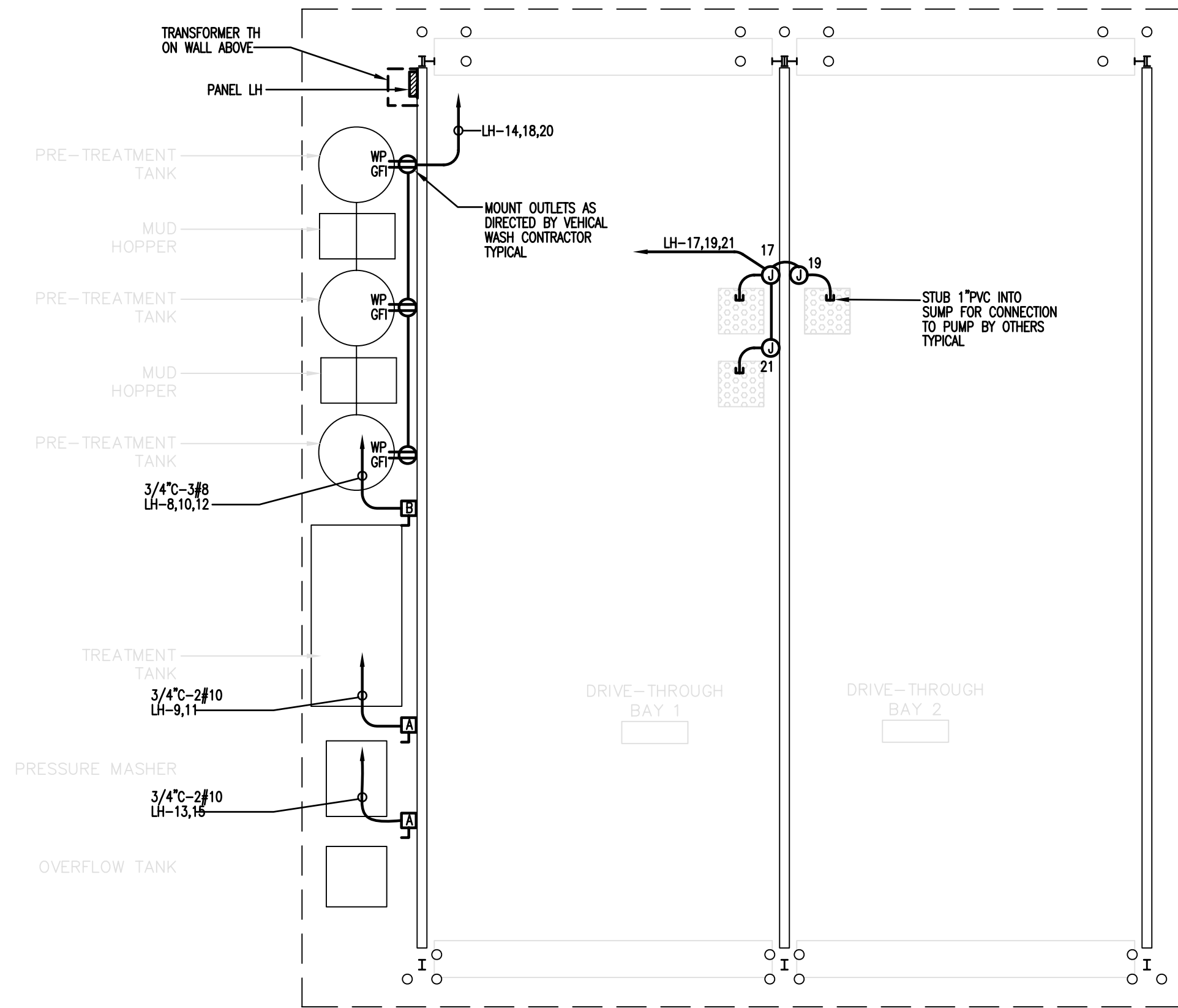
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COMMUNICATION PLAN
BLDG. G AREA 2

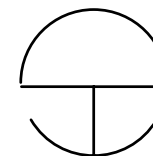
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PROJECT # 200525.000
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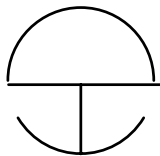
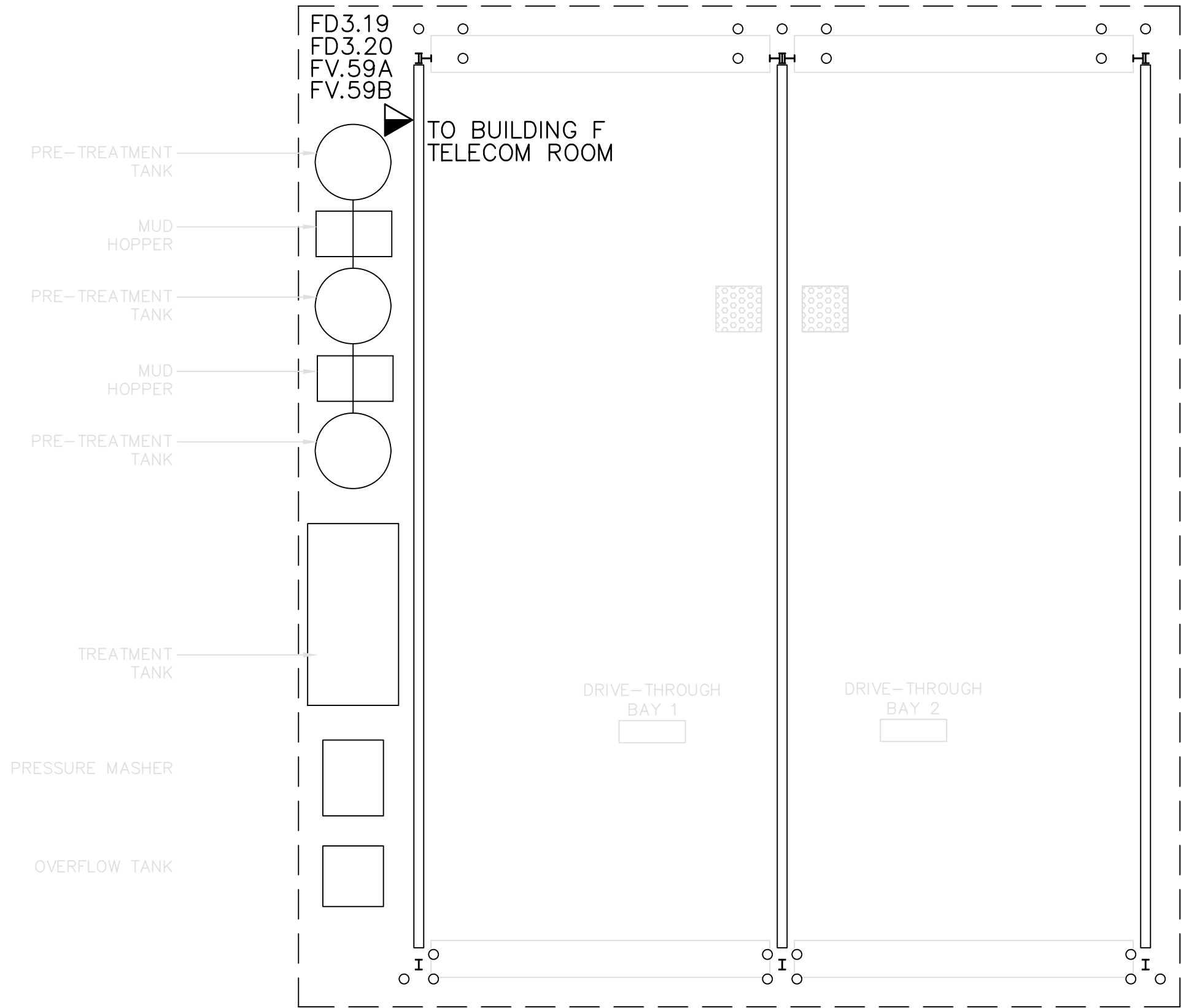
EG4.1.22



 **LIGHTING PLAN**
SCALE:1/8" = 1'-0"



 **POWER PLAN**
SCALE:1/8" = 1'-0"



COMMUNICATIONS PLAN

SCALE:1/8" = 1'-0"

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PROJECT NO: 884
DEPT FILE NO:

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PHASE II PROJECT



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CITY FACILITIES ARCHITECTURAL SERVICES DIV.
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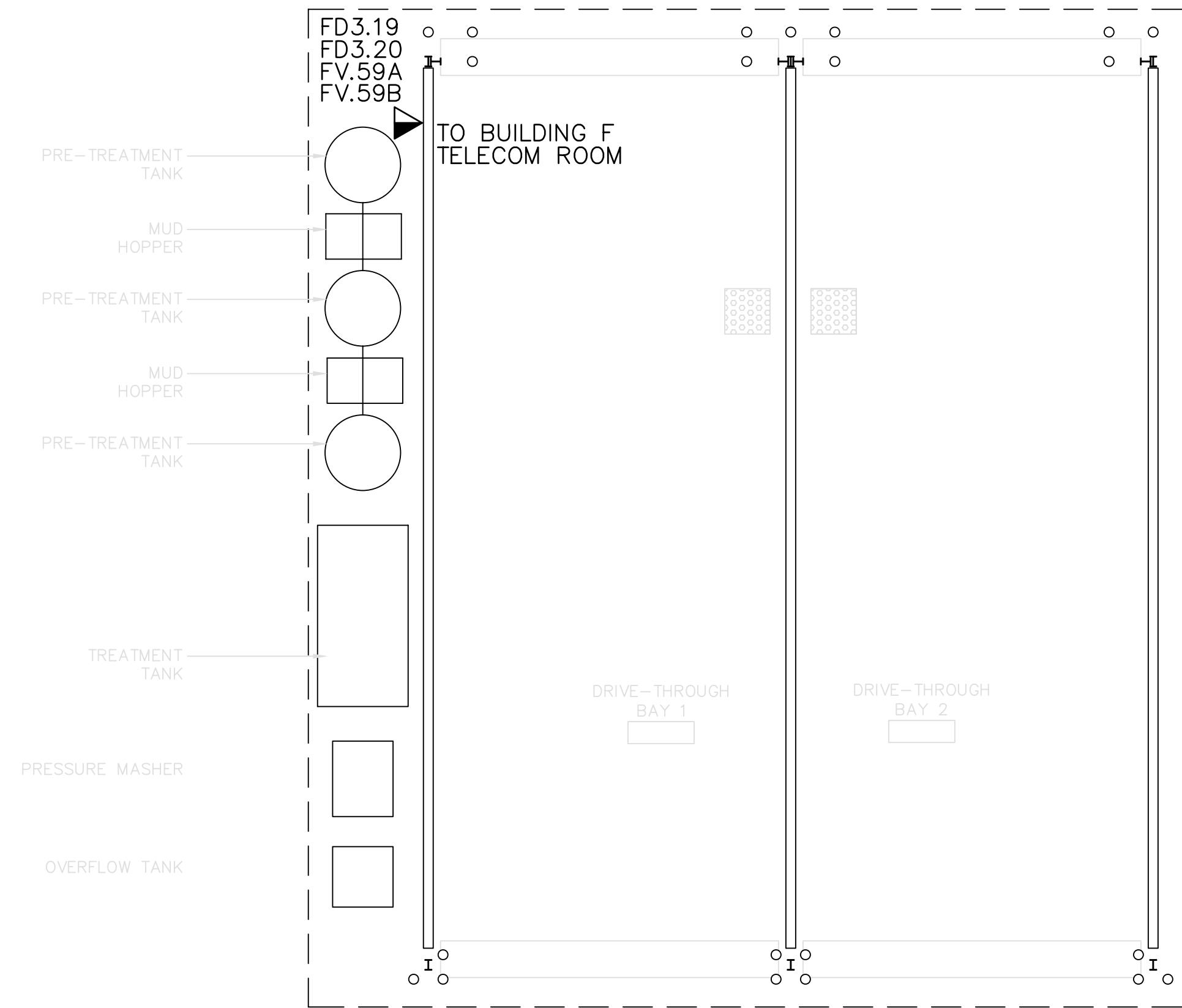


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COMMUNICATION PLAN
BLDG. H

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PROJECT # 200525.000
SHEET NUMBER

EH4.1.21

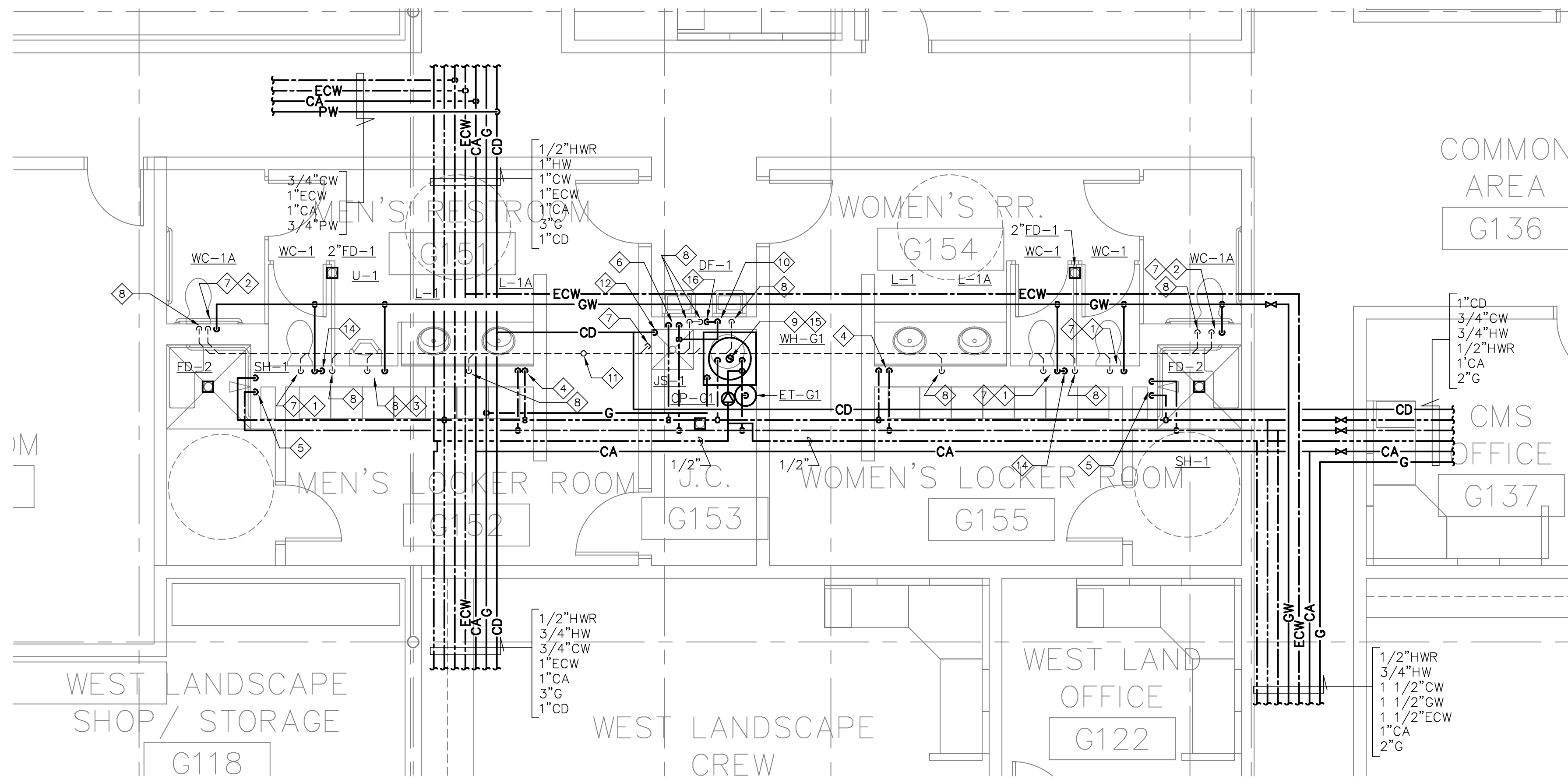
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COMMUNICATIONS PLAN
SCALE: 1/8" = 1'-0"

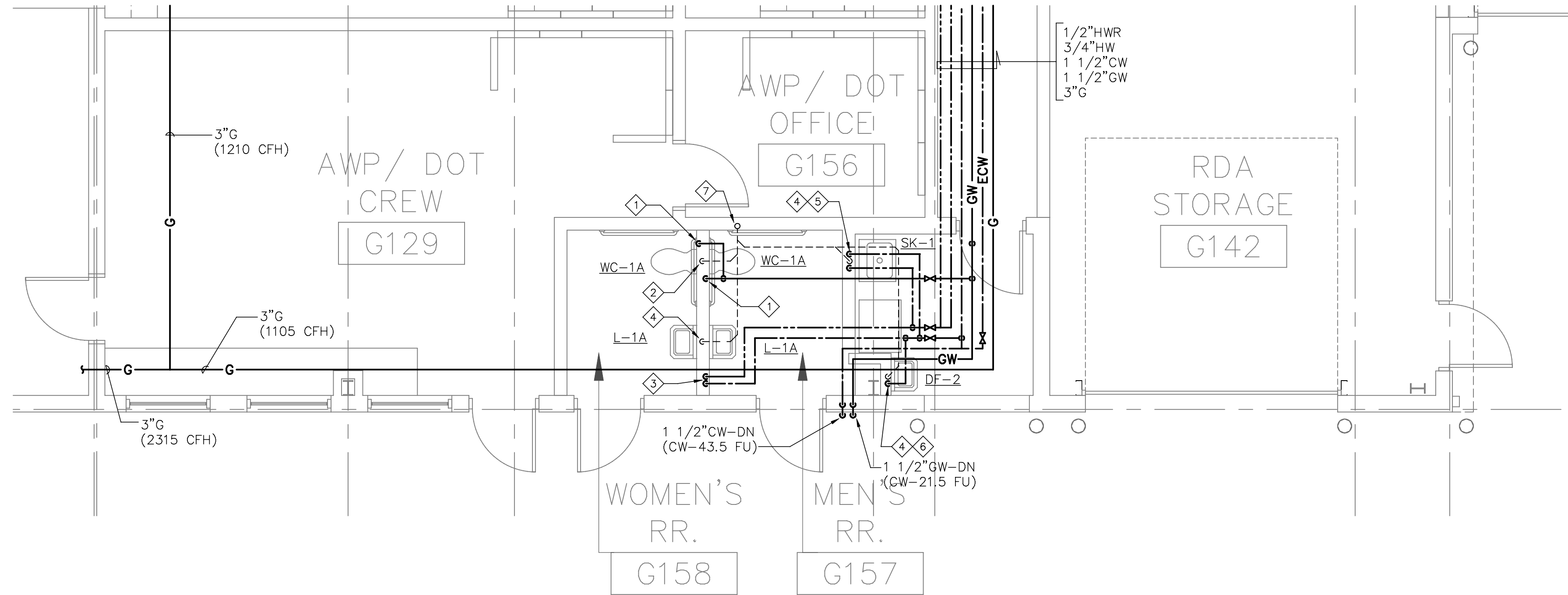


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ENLARGED FLOOR PLAN - BUILDING G

SCALE: 3/32"=1'-0"



ENLARGED FLOOR PLAN - BUILDING G

SCALE: 3/32"=1'-0"



SHEET NOTES:

- 1 3/4"GW-DN & CONN. TO WC-1.
- 2 3/4" GW-DN & CONN. TO WC-1A.
- 3 3/4" GW-DN & CONN. TO U-1.
- 4 1/2"CW & 1/2"HW-DN & CONN. TO L-1 & L-1A.
- 5 1/2"CW & 1/2"HW-DN & CONN. TO SH-1.
- 6 1"CW & 1"HW-DN & CONN TO JS-1.
- 7 2"V-UP.
- 8 1 1/2"V-UP.
- 9 3/4"CW & 3/4"HW-DN & CONN. TO WH-G1.
- 10 1/2"CW-DN & CONN. TO DF-1.
- 11 3"V-UP.
- 12 1"CD-DN AND SPILL INTO JS-1 WITH MIN. 1 1/2" AIRGAP.
- 13 3/4"G-DN & CONN. TO WH-1. WITH SOV AND IAPMO APPROVED STAINLESS STEEL FLEX. CONN. (50 CFH).
- 14 1/2"GW-DN & CONN. TO JP-1. PROVIDE 10"x10" WALL ACCESS PANEL.
- 15 3"ø VENT FLUE, SEE MECHANICAL DRAWINGS.

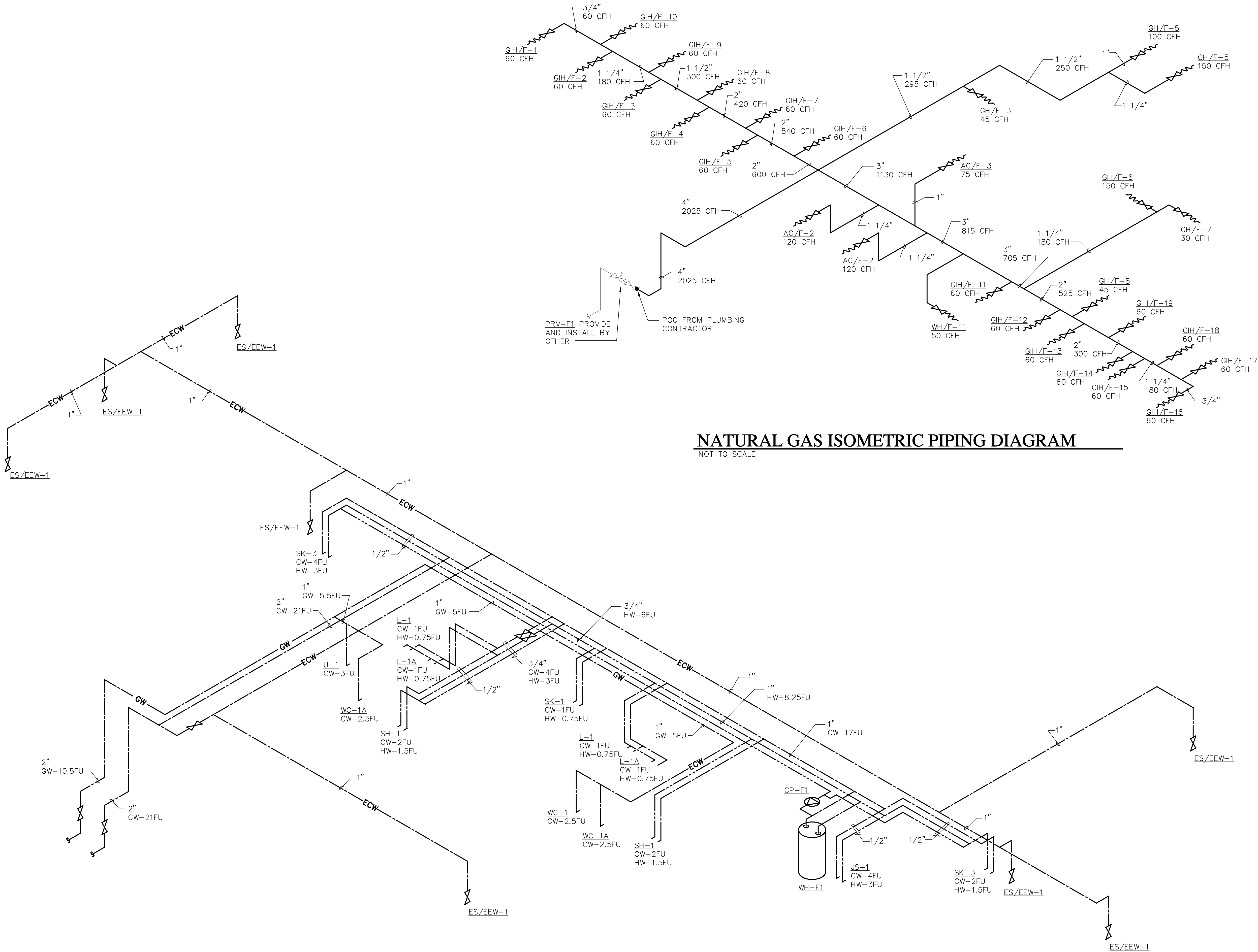
SHEET NOTES:

- 1 3/4" RECIR. GREY WATER (GW) DOWN AND CONNECT TO WC-1A.
- 2 2"V-UP.
- 3 1/2"CW & 1/2"HW-DN & CONN. TO (2) L-1A.
- 4 1 1/2"V-UP.
- 5 1/2"CW & 1/2"HW-DN & CONN. TO SK-1.
- 6 1/2"CW-DN & CONN. TO DF-2.
- 7 3"VTR.

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PERMIT SET	24APR06
CONSULTANT:	
CENTRAL SERVICE YARD PHASE II PROJECT	
PROJECT ADDRESS: 1881 CENTER ROAD SAN JOSE, CALIFORNIA PROJECT NO. 884 DEPT FILE NO.	
CITY OF SAN JOSE DEPARTMENT OF PUBLIC WORKS CITY FACILITIES ARCHITECTURAL SERVICES DIV. 200 E. SANTA CLARA STREET SAN JOSE, CA 95113 PROJECT MANAGER: MARY FOLLENWEIDER FORCE 405555-5571 FAX 408222-5258	
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DRAWN BY: KD	
PROJECT # 200525.000	
SHEET NUMBER P3.3	



P5.1



NATURAL GAS ISOMETRIC PIPING DIAGRAM
NOT TO SCALE

DOMESTIC COLD & HOT WATER ISOMETRIC PIPING DIAGRAM
NOT TO SCALE

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CENTRAL SERVICE YARD
PHASE II PROJECT



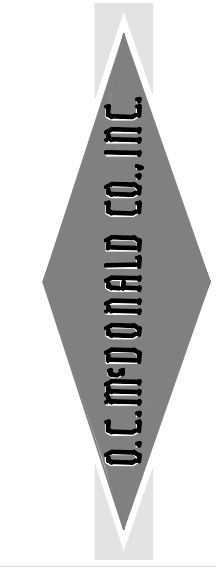
CITY OF
SAN JOSE

CARTER OF BERNARD WILLY

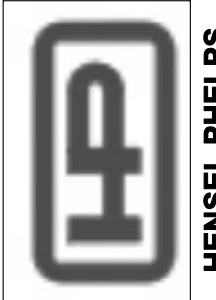
DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
SAN JOSE, CA 95113
PROJECT MANAGER: MARY FOLLENWEIDER
VOICE: (408) 255-5571 FAX: (408) 255-5588

PROJECT ADDRESS:
181 CENTER ROAD
SAN JOSE, CALIFORNIA
PROJECT NO: 884
DEPT FILE NO:

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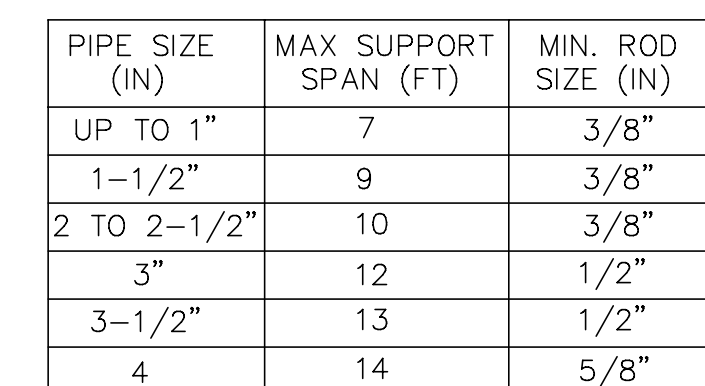
D.C. McDONALD CO., INC.
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DRAWING TITLE:
PLUMBING PIPING DIAGRAMS BUILDING F
DRAWN BY: KD
PROJECT # 200525.000
SHEET NUMBER





2 SINGLE PIPE SUPPORT



CONSULTANT:

CENTRAL SERVICE YARD PHASE II PROJECT



PROJECT ADDRESS:
1661 SENTER ROAD
SAN JOSE, CALIFORNIA

PROJECT NO: 684
DEPT FILE NO:

DEPARTMENT OF PUBLIC WORKS
FACILITIES ARCHITECTURAL SERVICES DIV.
00 E. SANTA CLARA STREET
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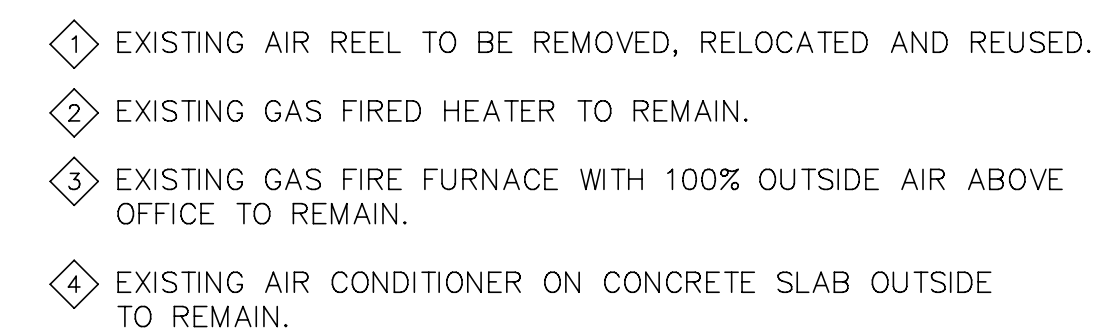
**HENSEL PHELPS
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RAWN BY: KD
PROJECT # 200525.000
SHEET NUMBER

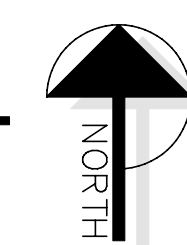
P6.2

1 EXCEPT FOR SPECIFIC PROGRAM REQUIRED MAKE & MODEL, PLUMBING MANUFACTURERS OF COMPARABLE QUALITY MAY BE USED.

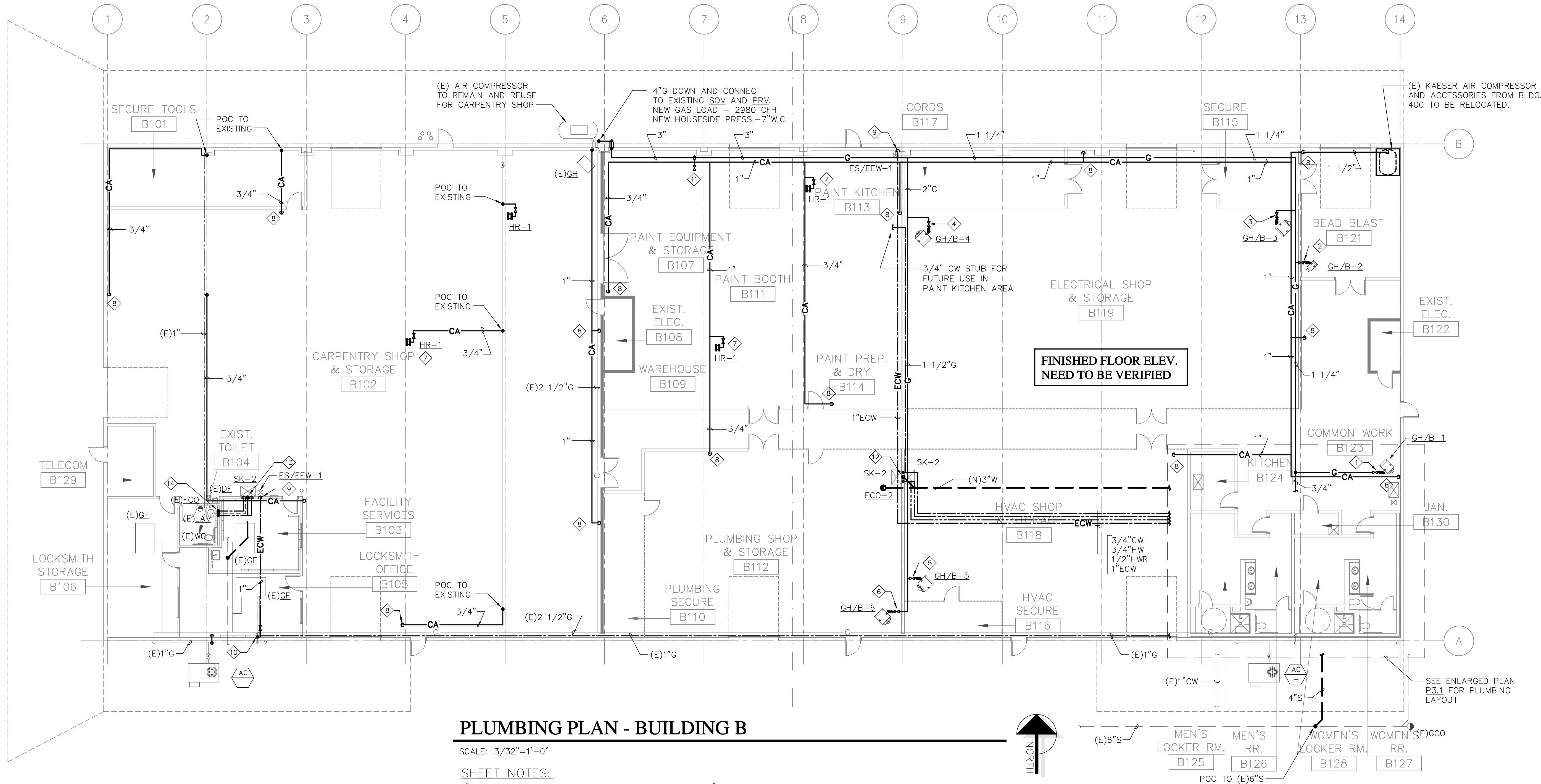
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SCALE: $3/32"=1'-0"$



PB2.0



PLUMBING PLAN - BUILDING B

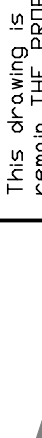
SCALE: 3/32"=1'-0"

SHEET NOTES:

- 1" G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/B-1 (100 CFH).
- 3/4" G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/B-2 (30 CFH).
- 1 1/4" G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/B-3 (150 CFH).
- 1 1/4" G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/B-4 (150 CFH).
- 1 1/4" G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/B-5 (200 CFH).
- 1 1/4" G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/B-6 (200 CFH).
- 1/2" CA WITH SOV CONN. TO HR-1.
- 3/4" CA DROP WITH SOV AND 3/8" QUICK CONNECT OUTLET.
- 1" ECW-DN & CONN. TO ES/EEW-1.
- POC (N) 1 1/4" CW TO (E) 1 1/2" CW.
- 3" VALVE STUB FOR FUT. SPRAY BOOTH. (1156 CFH).
- 3/4" CW & 3/4" HW-DN & CONN. TO 2 SK-2. ALSO, 2" VTR.
- 3/4" CW & 3/4" HW-DN & CONN. TO SK-2. ALSO, 1 1/2" V-UP & CONN. TO EXISTING.
- POC 3/4" CW, 3/4" HW & 1 1/2" V CONN. TO EXISTING PIPING, FIELD VERIFIED.

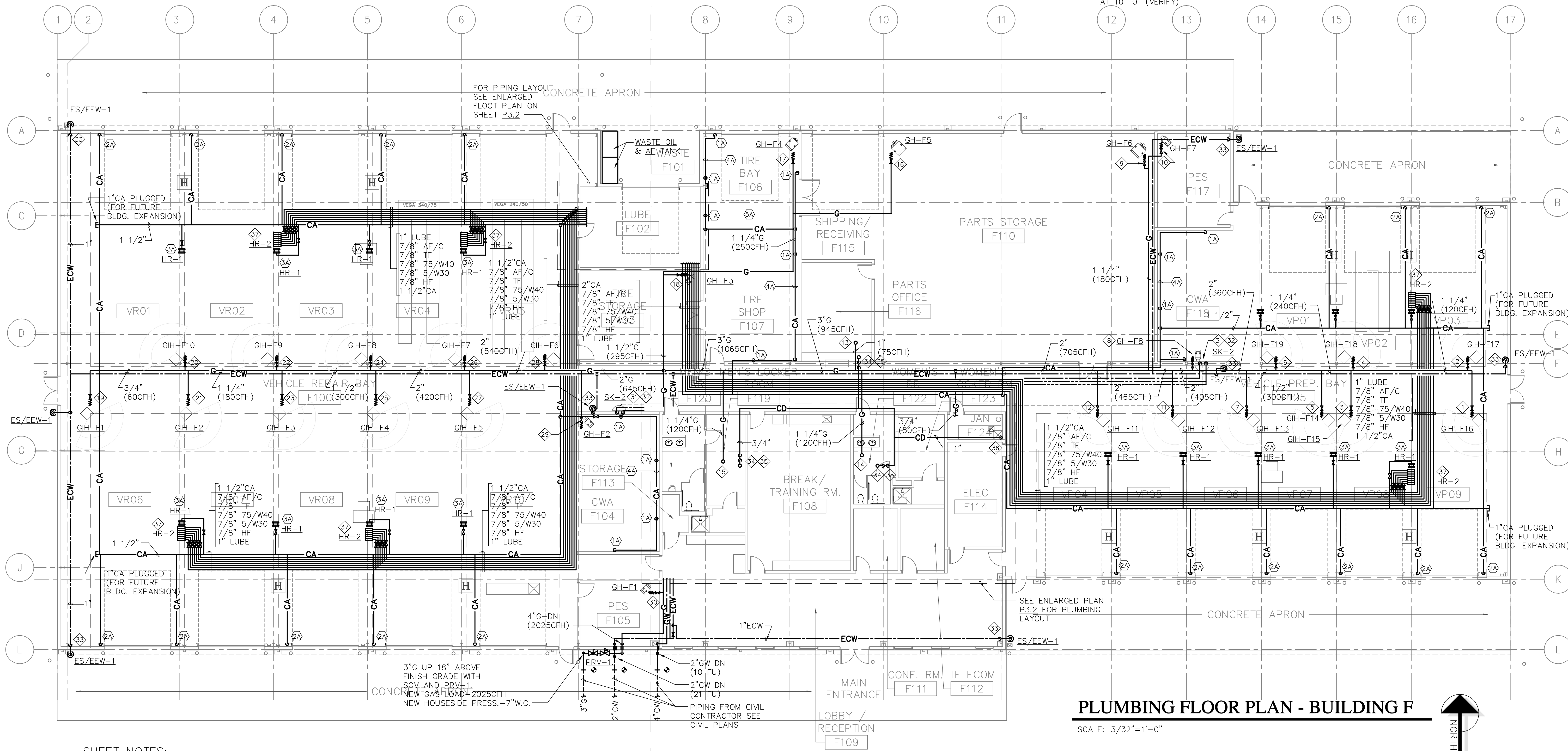
❖ PLUMBING FIXTURE CONNECTION SCHEDULE										
MARK	DESCRIPTION	S	V	CW	HW	REMARKS	S OR VENT	CW	HW	
WC-1	WATER CLOSET	4"	2"	3/4" (GREY WATER)	-	AMERICAN STANDARD 2093.100 GLENWALL PRESSURE-ASSISTED, VITREOUS CHINA, WALL MOUNTED TOILET, 1.6 GPF LOW CONSUMPTION, ELONGATED BOWL, PRESSURE-SSISTED SIPHON JET ACTION FLUSHING SYSTEM, ADA COMPLIANT, BACK-OUTLET. TOILET SEAT SHALL BE SC534 ELONGATED, OPEN FRONT SEAT LESS LID.	3	2.5	-	
WC-1A	WATER CLOSET (ACCESSIBLE)	4"	2"	3/4" (GREY WATER)	-	SAME AS WC-1, EXCEPT MOUNT TO HANDICAP REQUIREMENTS, SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.	3	2.5	-	
U-1	URINAL	2"	1 1/2"	3/4" (GREY WATER)	-	AMERICAN STANDARD 6501.010 WASHBROOK URINAL, VITREOUS CHINA, 1.0 GPF LOW CONSUMPTION, WALL MOUNTED, WASHOUT FLUSH ACTION, ADA COMPLIANT. FLUSH VALVE SHALL BE SLOAN ROYAL MODEL 186-1 1.0 GPF LOW CONSUMPTION. MOUNT TO HANDICAP REQUIREMENTS, SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.	2	1	0.75	
L-1	LAVATORY	2"	1 1/2"	1/2"	1/2"	AMERICAN STANDARD 0478.403 PIAZZA COUNTERTOP LAVATORY, VITREOUS CHINA, SELF-RIMMING, ADA COMPLIANT. FAUCET SHALL BE CHICAGO 802-336CP DECK MOUNTED, NAIAD ADJUSTABLE SELF-CLOSING CARTRIDGE, 336 PUSH-TILT HANDLES, ADA COMPLAINT.	1	1	0.75	
L-1A	LAVATORY (ACCESSIBLE)	2"	1 1/2"	1/2"	1/2"	SAME AS L-1, EXCEPT MOUNT TO HANDICAP REQUIREMENTS, SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT, INSULATE HOT WATER & WASTE LINES BELOW FIXTURE WITH INSULTECH 100 PIPE COVERING SYSTEM.	1	1	0.75	
SH-1	SHOWER (BARRIER FREE)	2"	1 1/2"	1/2"	1/2"	SYMMONS TEMPTROL 96-500-B30-L-V PRESSURE-BALANCING MIXING VALVE WITH SINGLE BLADE LEVER HANDLE AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. LEVERTROL 4-458 DIVERTER WITH INTEGRAL VOLUME CONTROL. CLEAR FLO SHOWER HEAD WITH ARM AND FLANGE. WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE, 30" SLIDE BAR FOR HAND SHOWER MOUNTING.	2	2	1.5	
FD-1	FLOOR DRAIN	2"	1 1/2"	1/2"	-	ZURN ZN-415-P, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH WEEPAGE SLOTS, POLISHED NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION.	2	-	-	
FD-2	FLOOR DRAIN (SHOWER)	2"	1 1/2"	-	-	SAME AS FD-1, EXCEPT NO TRAP PRIMER CONNECTION.	2	-	-	
RBPB-1	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER	-	-	1 1/2"	-	WATTS SERIES 909 REDUCED PRESSURE ZONE BACKFLOW PREVENTER. CAPACITY-35GPM. PRESS DROP-11 PSIG. SIZE - 1 1/2". UNIT OPER. WT. - 44 LBS.	-	-	-	
TP-1	TRAP PRIMER VALVE	-	-	1/2"	-	PRECISION PLUMBING PRODUCTS PR-500 PRIME-RITE FLOOR DRAIN TRAP PRIMER VALVE. PROVIDE 10"x10" WALL ACCESS PANEL.	-	-	-	
ET-F1	EXPANSION TANK	-	-	1"	-	BELL & GOSSETT PT-12 SERIES PT POTABLE WATER DIAPHRAGM EXPANSION TANK. TANK VOLUME-4.4 GALS. ACCEPTANCE VOLUME-3.2 GALS CONN.-3/4". UNIT OPER. WT. - 45 LBS.	-	-	-	
WH-F1	GAS FIRED WATER HEATER	-	-	1"	1"	BRADFORD WHITE M-1-504S6LN ENERGY SAVER GAS WATER HEATER. STORAGE CAPACITY-50 GALS. HEAT INPUT-50,000 BTUH. RECOVERY RATE-51GPH @ 90F TEMP. RISE. UNIT OPER. WT-565 LBS.	-	-	-	
CP-F1	RECIRCULATING PUMP	-	-	-	1/2"	GRUNFOS UP 15-18B5 BRONZE WET ROTOR CIRCULATING PUMP. CAPACITY-4 GPM@8 FT. OF HEAD. MOTOR-1/25HP, ELEC. 120V-1PH-60HZ. 1750 RPM.	-	-	-	
JS-1	JANITOR SINK	2"	1 1/2"	1/2"	1/2"	FLORESTONE MODEL 30LH TERRAZZO MOP RECEPTOR WITH MR-370 5/8"HOSE x 5-FEET LONG, MR-371 SPEAKMAN FAUCET WITH VACUUM BREAKER, DOUBLE STOPS, BUCKET HOOK WITH BRACE.	3	3	2.25	
SA-1	SHOCK ARRESTOR	-	-	3/4"	-	ZURN Z-1700 SHOCKTROL WATER HAMMER ARRESTOR, SIZE 100. NESTING TYPE 304 STAINLESS STEEL BELLOW. 1-11 FIXTURE UNITS 3/4" CONN.	-	-	-	
SK-1	KITCHEN SINK	2"	1 1/2"	1/2"	1/2"	ELKAY LR 3322 LUSTERTONE SPACIOUS DOUBLE BOWL SINK, 18 GA. TYPE 302 STAINLESS STEEL CONSTRUCTION. FAUCET SHALL BE DELTA 100 SINGLE HANDLE, DECK MOUNT 3-HOLE SINK APPLICATION, 8" CENTER. LK-35 CHROME PLATED BRASS TAILPIECE. GARBAGE DISPOSAL SHALL BE MODEL ISE 333, MOTOR 120V/1P 3/4HP. PROVIDE VALVE OUTLET UNDER COUNTER TO ICE MAKER (PROVIDE AND HOOK-UP BY OTHERS).	2	2	1.5	
SK-2	GROUP WASH SINK	2"	1 1/2"	1/2"	1/2"	BRADLEY MODEL 3104 TERREON DEEP BOWL WASH FOUNTAIN. SEMI-CIRCULAR WITH 8 1/2" DEEP BOWL. PROVIDE UNIT WITH OFF-LINE VENT WITH SUPPLIES FROM ABOVE VALVE HAND CONTROL, THERMOSTATIC MIXING VALVE.	2	2	1.5	
ES/EEW-1	EMERGENCY EYEWASH AND SHOWER	-	-	1" (ECW)	-	HAWS MODEL 8200 COMBINATION SHOWER AND EYE/FACE WASH UNIT WITH 10"ABS PLASTIC SHOWERHEAD AND ABS PLASTIC OMNI-FLO WRAP AROUND EYE/FACE WASH.	-	-	-	
AC-1 & AC-2	AIR COMPRESSOR	-	-	-	-	ATLAS-COPCO GAIIFF-150 PSIG OIL FLOODED ROTARY SCREW COMPRESSOR SYSTEM. CAPACITY-53CFM @150PSIG. MOTOR-15HP, 460V-3PH-60HZ PROVIDE UNIT WITH INTEGRATED REFRIGERATED AIR DRYER, WATER SEPARATOR, AUTO DRAIN. UNIT OPER. WT.-1050 LBS.	-	-	-	
ST-1	AIR RECEIVER	-	-	-	-	ATLAS-COPCO V120-200 RECEIVER. CAPACITY-120 GALS. VERTICAL WITH LEGS. UNIT OPER. WT.-425 LBS.	-	-	-	
OVS-1	OIL/WATER SEPARATOR	-	-	-	-	ATLAS-COPCO MODEL OCS 35 OIL/WATER SEPARATOR.	-	-	-	
CDLS-1	CONDENSATE LIFT STATION	-	-	-	-	LITTLE GIANT MODEL VCL-24UL AUTOMATIC CONDENSATE UNIT. CAPACITY-1.5GPM @20 FT. OF HEAD. PUMP MOTOR-1/18HP, 120V-1PH-60HZ, 2.0 AMPS.	-	-	-	
OP-1	OIL PUMP (75/W40 & 5/W30)	-	-	-	-	GRACO FIRE BALL OIL PUMP 300. CAPACITY-2.8GPM @80CPM. AIR CONSUMPTION-27SCFM @3GPM, AT 80PSIG ENTERING AIR. PUMP WETTED MATERIALS SHALL BE STEEL. UNIT SHALL BE PORTABLE PACKAGE TYPE.	-	-	-	
LP-1	LUBE PUMP	-	-	-	-	GRACO FIRE BALL GREASE PUMP 300. CAPACITY-12.4 CYCLES/POUND. AIR CONSUMPTION-17SCFM @1GPM, AT 100PSIG ENTERING AIR. PUMP WETTED MATERIALS SHALL BE STEEL. UNIT SHALL BE PORTABLE PACKAGE TYPE.	-	-	-	
HF-1	HYDRAULIC FLUID PUMP	-	-	-	-	SAME AS OP-1,	-	-	-	
TF-1	TRANSMISSION FLUID PUMP	-	-	-	-	SAME AS OP-1,	-	-	-	
AF/C-1	ANTI-FREEZE / COOLANT PUMP	-	-	-	-	SAME AS OP-1,	-	-	-	

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ISSUED FOR: _____		DATE: _____	
PERMIT SET _____		24APR06	
CONSULTANT: CENTRAL SERVICE YARD PHASE II PROJECT PROJECT ADDRESS: 1691 SENTER ROAD SAN JOSE, CALIFORNIA PROJECT NO: 684 DEPT FILE NO:			
 CITY OF SAN JOSE OFFICE OF PUBLIC UTILITIES		DEPARTMENT OF PUBLIC WORKS CITY FACILITIES ARCHITECTURAL SERVICES DIV. 200 E SANTA CLARA STREET SAN JOSE, CA 95131 PROJECT MANAGER: MARY FOLLENWEIDER VOICE (408) 955-5371 FAX (408) 292-4288	
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 D.C. McDONALD CO. INC. 1150 W. SAN CARLOS STREET SAN JOSE, CA 95128 P.O. BOX 28560 SAN JOSE, CALIFORNIA 95126-0560 PHONE (408) 295-2182 FAX (408) 295-0628		HENSEL PHELPS CONSTRUCTION CO. 2107 N. First Street, Ste. 101 SAN JOSE, CALIFORNIA 95131 PHONE (408) 292-1835	
DRAWING TITLE: SCHEDULES		DRAWN BY: KD	
PROJECT # 200525.000		SHEET NUMBER	
PF0.2			

COMPRESS AIR SHEET NOTES:

- 1A 3/4"CA PIPE DROP TO HANSEN QUICK COUPLER AT ±60" ABOVE FLOOR. 3/4" SIDE TAP TEE WITH QUICK COUPLER-SIZE TO MATCH AIR HOSE REEL WHIP.
- 2A 1"CA PIPE DROP TO HANSEN QUICK COUPLER AT ±60" ABOVE FLOOR. 3/4" SIDE TAP TEE WITH QUICK COUPLER-SIZE TO MATCH AIR HOSE REEL WHIP.
- 3A 1/2"CA TO AIR HOSE REEL
- 4A 1"CA SURFACE MOUNTED HORIZONTAL ON WALL AT 10'-0" (VERIFY)
- 5A TIREBAY F106, 1"CA PIPE DROP TO 1" BALL VALVE AT 30" ABOVE FLOOR - DEDICATED FOR TIRE MOUNTING TOOL VERIFY FINAL DROP LOCATION.
- 6A LUBE 102, 1 1/2"CA HEADER SURFACE MOUNTED HORIZONTAL ON WALL AT 80"(VERIFY) WITH INDIVIDUAL BOTTOM TAP DROPS TO EACH AUTOMOTIVE FLUID DELIVERY PUMP ASSEMBLY.



PLUMBING FLOOR PLAN - BUILDING F

SCALE: 3/32"=1'-0"



SHEET NOTES:

- 1 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-16 (60 CFH).
- 2 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-17 (60 CFH).
- 3 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-15 (60 CFH).
- 4 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-18 (60 CFH).
- 5 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-14 (60 CFH).
- 6 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-19 (60 CFH).
- 7 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-13 (60 CFH).
- 8 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-8 (45 CFH).
- 9 1 1/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-6 (150 CFH).
- 10 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-7 (30 CFH).
- 11 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-12 (60 CFH).
- 12 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-11 (60 CFH).
- 13 1"G-UP & CONN. TO AC/F-3 (75 CFH).
- 14 1 1/4"G-UP & CONN. TO AC/F-2 (120 CFH).
- 15 1 1/4"G-UP & CONN. TO AC/F-1 (120 CFH).
- 16 1 1/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-5 (150 CFH).
- 17 1"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-4 (100 CFH).
- 18 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-3 (45 CFH).
- 19 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-1 (60 CFH).
- 20 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-10 (60 CFH).
- 21 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-2 (60 CFH).
- 22 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-9 (60 CFH).
- 23 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-3 (60 CFH).
- 24 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-5 (60 CFH).
- 25 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-4 (60 CFH).
- 26 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-7 (60 CFH).
- 27 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-5 (60 CFH).
- 28 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-6 (60 CFH).
- 29 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-2 (45 CFH).
- 30 3/4"G WITH SOV & IAPMO APPROVED STAINLESS STEEL FLEX. CONN. TO GH/F-1 (30 CFH).
- 31 1/2"CW & 1/2"HW-DN & CONN. TO SK-2.
- 32 1 1/2"V UP.
- 33 1"ECW-DN & CONN. TO ES/EEW-1.
- 34 3/4"CD-UP & CONN. TO AC ON ROOF.
- 35 MIN. 3"DEEP P-TRAP.
- 36 1"CD-DN & SPILL INTO JS-1 WITH MIN. 1 1/2" AIRGAP.
- 37 1/2"AF/C, 1/2"TF, 1/2" 75/W40, 1/2" 5/W30, 1/2" HF, 3/4" LUBE CONN. TO HR-2.

ISSUED FOR: DATE:
PERMIT SET 24APR06

CONSULTANT:
**CENTRAL SERVICE YARD
PHASE II PROJECT**

PROJECT ADDRESS:
181 SENTER ROAD
SAN JOSE, CALIFORNIA
PROJECT NO. 884
DEPT FILE NO.

CITY OF SAN JOSE
DEPARTMENT OF PUBLIC WORKS
CITY FACILITIES ARCHITECTURAL SERVICES DIV.
200 E. SANTA CLARA STREET
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PROJECT MANAGER: MARY FOLLENWEIDER
FOUR 4055355571 FAX 4082224358

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DRAWING TITLE:
**PLUMBING
FLOOR PLAN
BLDG F**

DRAWN BY: KD

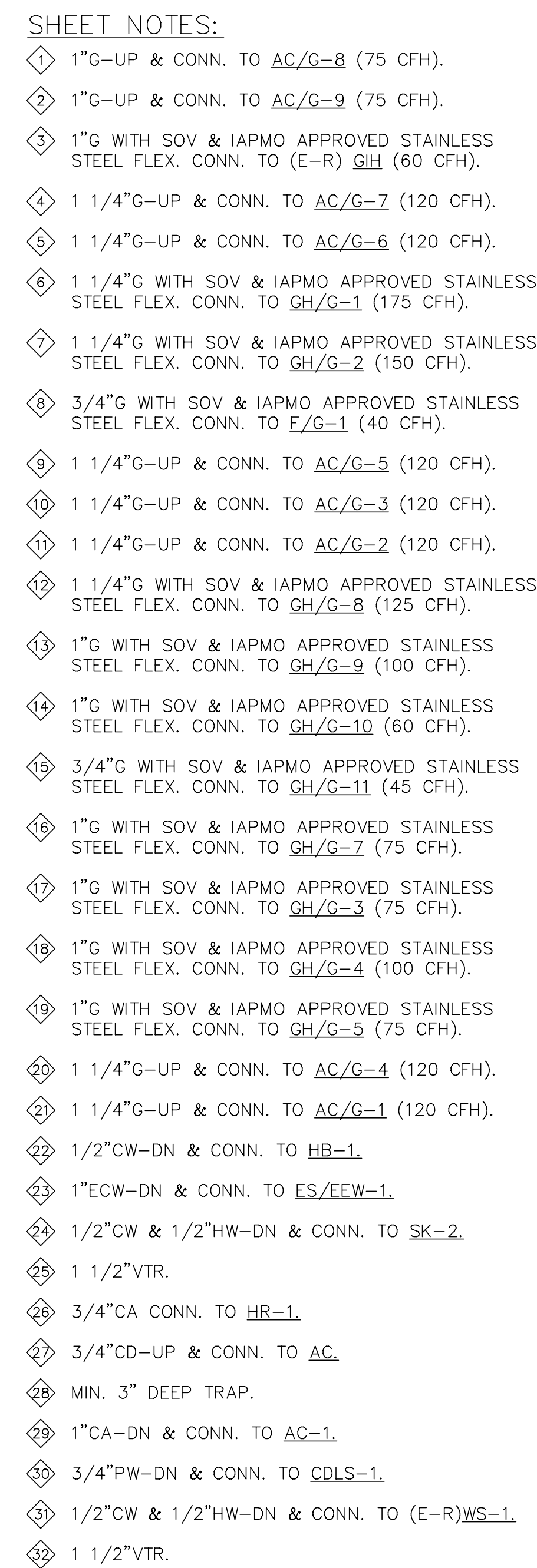
PROJECT # 200525.000

SHEET NUMBER
PF2.1

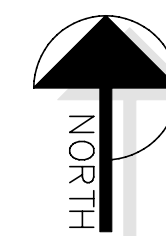
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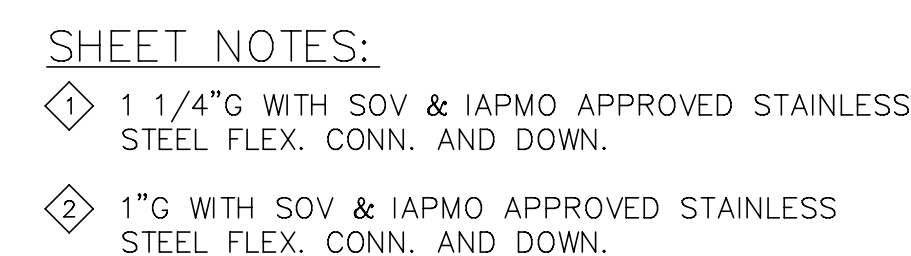
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SCALE: 3/32"=1'-0'



PG2.1

[illegible]

CONSULTANT:

CENTRAL SERVICE YARD PHASE II PROJECT

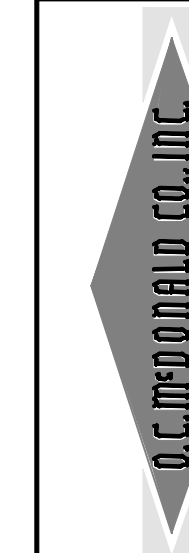


PROJECT ADDRESS:
1681 SENTER ROAD
SAN JOSE, CALIFORNIA

PROJECT NO: 684
DEPT FILE NO:

DEPARTMENT OF PUBLIC WORKS
FACILITIES ARCHITECTURAL SERVICES DIV.
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CONSTRUCTION CO.**
07 N. First Street, Ste. 101
San Jose, California 95131
(408) 452-1800 Fax: (408) 452-1855

DRAWING TITLE:
ROOF PLAN
BLDG G

DRAWN BY: KD

PROJECT #	200525.000
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SHEET NUMBER

PG2.2

1. HYDRAULIC DESIGN

A. EXISTING UPRIGHT PROTECTION - ORDINARY HAZARD PIPE SCHEDULE SYSTEM. HEADS SPACED TO 70 SQ FT

B. OFFICE SPACE - LIGHT HAZARD (10 GPM / 1000 SQ FT). HEADS SPACED TO 225 SQ FT MAXIMUM.



2182 Rheem Dr
Pleasanton, CA 94583
(925) 846-9484 Fax (925) 846-9711



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CENTRAL SERVICE YARD PHASE II PROJECT

DEPARTMENT OF PUBLIC WORKS CITY
FACILITIES ARCHITECTURAL SERVICES DIV./P200
E. SANTA CLARA STREET/PSAN JOSE, CA
95113/PPROJECT MANAGER: MARY
FOLLENWEIDER/VOICE:(408)535-8371
FAX:(408)322-6288

Pentress
Bradburn
ARCHITECTS LTD.
Architecture • Interiors • Planning
421 Broadway (303) 772-5000
Denver, Colorado 80203 Fax: (303) 772-5080

**HENSEL PHELPS
CONSTRUCTION CO.**
2107 N. First Street, Ste. 101
San Jose, California 95131P(408)
452-1800 Fax: (408) 452-1855

Building E

DRAWN BY:	RR
PROJECT #	200525.000

SHEET NUMBER

FP-B1.0

1. HYDRAULIC DESIGN

- A. OFFICE SPACE - LIGHT HAZARD (1.0 GPM / 1000 SQ FT); HEADS SPACED TO 225 SQ FT MAXIMUM.
- B. UPRIGHT PROTECTION - ORDINARY HAZARD (1.1 GPM / 1500 SQ FT); HEADS SPACED TO 130 SQ FT MAXIMUM.
- C. TIRE STORAGE - EXTRA HAZARD 2.0 (60 GPM / 5000 SQ FT); 3/4" SPRINKLER HEADS.
- D. 11.2-K FACTOR, SPACED TO 100 SQ FT MAXIMUM. REMOTE AREA TO EXTEND 15 FT BEYOND WALLS IN ALL DIRECTIONS

2. EXTERIOR RISER W/ BUTTERFLY VALVE, CHECK VALVE, FLOW SWITCH, AND TEST AND TRAIN RISER TO BE PAINTED. (PAINTING BY OTHERS)



2182 Rheem Dr
Pleasanton, CA 94583
(925) 846-9484 Fax (925) 846-9710

CENTRAL SERVICE YARD PHASE II PROJECT

DEPARTMENT OF PUBLIC WORKS/CITY
FACILITIES ARCHITECTURAL SERVICES DIV./P200
E. SANTA CLARA STREET/PAN JOSE, CA
95113/PROJECT MANAGER: MARY
FOLLENWEIDER/VOICE:(408)535-8371
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**HENSEL PHELPS
CONSTRUCTION CO.**
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FP-F1.0

Warning: It is a violation of the law for any person, unless acting under the direction of a licensed architect, to alter an item in any way. If an item in this document is altered, the altering architect, if other than the architect of record, shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.



CONSULTANT:

CENTRAL SERVICE YARD PHASE II PROJECT

PROJECT ADDRESS: P1661 SENTER ROAD, PSM
JOSE, CALIFORNIA, PROJECT NO: 684, PDEPT
FILE NO:

DEPARTMENT OF PUBLIC WORKS/CITY
FACILITIES ARCHITECTURAL SERVICES DIV./P200
E. SANTA CLARA STREET/PAN JOSE, CA
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DRAWING TITLE:

Building Sections

DRAWN BY: RE

PROJECT #	200525.000
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SHEET NUMBER

FP-1.1



TRANSBAY FIRE PROTECTION, INC.
License No. 62778

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