

MONTessa PARK LAB FACILITY

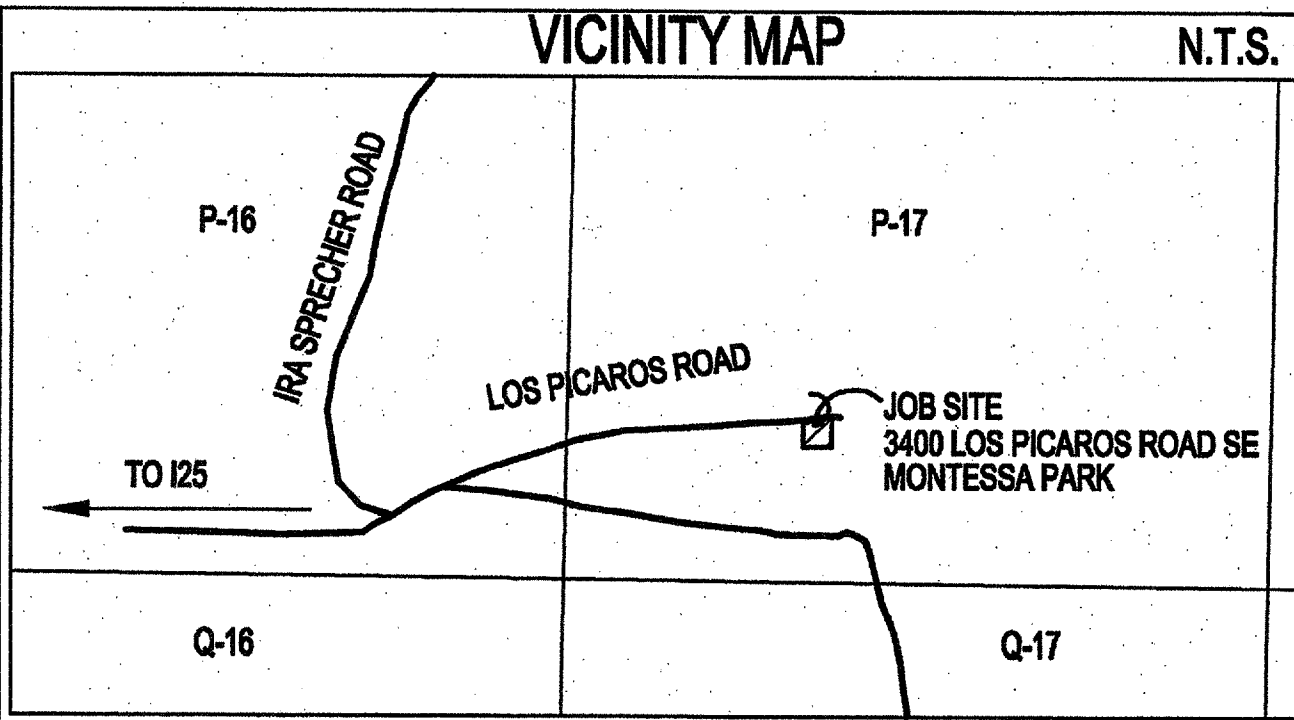
ALBUQUERQUE, NEW MEXICO
CITY PROJECT
7940.02



INDEX OF DRAWINGS

SHEET TITLE

- COVER SHEET
- GENERAL
- G1.01 DESIGN CRITERIA AND ABBREVIATIONS
- CIVIL
- C1.01 GRADING PLAN
C1.02 SITE PLAN
- ARCHITECTURAL SITE
- AC1.01 SITE PLAN AND DETAILS
- STRUCTURAL
- S0.01 GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS
S1.01 STRUCTURAL FOUNDATION PLAN
S2.01 STRUCTURAL FRAMING PLAN
S5.01 DETAILS
- ARCHITECTURAL
- A1.01 FLOOR PLAN
A1.02 REFLECTED CEILING PLAN
A1.03 ROOF PLAN
A2.01 BUILDING ELEVATIONS
A3.01 BUILDING AND WALL SECTIONS
A4.01 TOILET ROOM PLAN AND ELEVATIONS
A4.02 MILLWORK AND LABORATORY CASEWORK
A4.03 CASEWORK SCHEDULES AND MILLWORK SECTIONS
A5.01 DETAILS
A6.01 DOOR AND WINDOW ELEVATIONS, SCHEDULES AND DETAILS
- MECHANICAL, PLUMBING AND FIRE PROTECTION
- M0.01 MECHANICAL LEGEND AND GENERAL NOTES
M0.02 PLUMBING SYMBOLS AND ABBREVIATIONS
M1.01 HVAC FLOOR PLAN
M1.02 PLUMBING FLOOR PLAN
M1.03 FIRE PROTECTION PLAN
M5.01 ISOMETRIC DIAGRAMS
M5.02 DETAILS
M6.01 EQUIPMENT SCHEDULE
- ELECTRICAL
- E0.01 LEGEND AND GENERAL NOTES
E1.01 RECEPTACLE AND COMMUNICATIONS PLAN
E1.02 LIGHTING PLAN
E5.00 SCHEDULES AND DETAILS



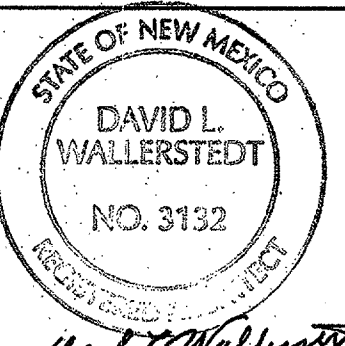
MAP NO. OVERALL ZONE MAP NO.P-17-Z

GENERAL NOTES

1. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND BOTH ARE REQUIRED TO DESCRIBE THE WORK OF THE PROJECT. NEITHER THE DRAWINGS NOR THE SPECIFICATIONS ARE DESIGNATED TO HAVE PRECEDENCE OVER THE OTHER NOR ARE CERTAIN TYPES OF DRAWINGS DESIGNATED TO HAVE PRECEDENCE OVER OTHER TYPES OF DRAWINGS. IF INCONSISTENCIES, DISCREPANCIES AND OTHER CONFLICTS ARE FOUND WITHIN OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY OWNER AND ARCHITECT AND REQUEST CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK.
2. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES, RULES AND REGULATIONS.
3. DO NOT MEASURE OR SCALE DRAWINGS.
4. DIMENSIONS ARE TO FACE OF STUD, STRUCTURE OR CENTERLINES UNLESS NOTED OTHERWISE.
5. CHANGES, SUBSTITUTIONS AND MODIFICATIONS ARE TO BE MADE ONLY AFTER RECEIVING THE APPROVAL OF THE ARCHITECT.
6. ALL UN-NOTED MATERIALS, EQUIPMENT, FIXTURES, COLORS, ETC. ARE TO BE SELECTED AND APPROVED BY THE ARCHITECT.

DMJM DESIGN | AECOM

201 THIRD ST, ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjmdesign.com

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ARCHITECT'S SEAL & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
 <i>David L. Wallerstedt</i> 3-17-13		DRC Chairman				APPROVED FOR CONSTRUCTION	
		Transportation					
		Water/Wastewater					
		Hydrology					
		GP					
		Const. Mngmt.				City Engineer	Date
		Const. Coord.				Sheet	Of
		City Project No.				1	31
		7940.02					

In SPEECH - Picharo Churn -
Sep-20-2010

77

BUILDER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE BUILDER/CONTRACTOR TO INSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT. THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.

APPROVAL OF THE MANUFACTURER'S DRAWINGS AND CALCULATIONS INDICATE THAT THE BUILDING MANUFACTURER CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.21 ASCC CODE OF STANDARD PRACTICES, 9TH ED.)

WHERE DISCREPANCIES EXIST BETWEEN THE MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 ASCC CODE OF STANDARD PRACTICE 9TH ED.)

DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY THE BUILDING MANUFACTURER ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN THE BUILDING MANUFACTURER'S ENGINEERS UNLESS SPECIFICALLY INDICATED.

THE CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH THE BUILDING MANUFACTURER'S "FOR ERECTOR INSTALLATION" DRAWINGS. PRODUCTS SHIPPED TO BUILDER OR HIS CUSTOMER SHALL BE INSPECTED BY BUILDER IMMEDIATELY UPON ARRIVAL.

CLAIMS FOR SHORTAGES OR DEFECTIVE MATERIAL IF NOT PACKAGED MUST BE MAILED TO THE MANUFACTURER IN WRITING WITHIN FIVE (5) DAYS AFTER RECEIPT OF THE SHIPMENT. HOWEVER, IF A DEFECT IS OF SUCH A NATURE THAT REASONABLE VISUAL INSPECTION WOULD FAIL TO DISCLOSE IT, THEN THE CLAIM MUST BE MADE WITHIN FIVE (5) DAYS AFTER THE BUILDER LEARNS OF THE DEFECT. THE MANUFACTURER WILL NOT BE LIABLE FOR ANY DEFECT UNLESS CLAIM IS MADE WITHIN ONE (1) YEAR AFTER DATE OF THE ORIGINAL SHIPMENT BY THE MANUFACTURER TO BUILDER OR HIS CUSTOMER. THE MANUFACTURER WILL BE GIVEN A REASONABLE OPPORTUNITY TO INSPECT DEFECTIVE MATERIALS UPON RECEIPT OF CLAIM BY BUILDER.

IF A DEFECT IS OF SUCH NATURE THAT IT CAN BE REMEDIED BY A FIELD OPERATION AT THE JOB SITE WITHOUT THE NECESSITY OF RETURNING THE MATERIAL TO THE MANUFACTURER, THEN UPON WRITTEN AUTHORIZATION OF THE MANUFACTURER THE BUILDER MAY REPAIR OR CAUSE THE MATERIAL TO BE REPAIRED AND THE MANUFACTURER WILL REIMBURSE THE BUILDER FOR THE COST OF THE REPAIR IN ACCORDANCE WITH THE WRITTEN AUTHORIZATION.

UNLESS NOTED OTHERWISE, ALL BRACING AS SHOWN AND PROVIDED BY THE MANUFACTURER FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.

TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, ORIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION OR COLLISION. (SECT. 7.9.1 ASCC CODE OF STANDARD PRACTICE, 9TH ED.)

DESIGN OF GUTTER AND DOWNSPOUT IS A FUNCTION OF THE RAINFALL INTENSITY AND AREA TO BE DRAINED. DESIGN PARAMETERS UTILIZED ARE IN ACCORDANCE WITH THE 2002 LOW RISE BUILDING SYSTEMS MANUAL AND/OR THE 9TH EDITION OF THE ARCHITECTURAL GRAPHIC STANDARDS, AS APPLICABLE. PROPER OWNER MAINTENANCE DICTATES THAT THE DRAINAGE SYSTEM BE KEPT FREE AND CLEAR OF DEBRIS AND/OR ICE AT ALL TIMES TO ENSURE PROPER FUNCTION OF THE GUTTER AND DOWNSPOUT. IN THOSE CASES WHERE THE OWNER/TENANT OF A PROPERTY IS UNWILLING OR UNABLE TO PROVIDE PROPER MAINTENANCE, ELIMINATION OF GUTTER SHOULD BE CONSIDERED AS AN ALTERNATIVE.

PRODUCT CERTIFICATIONS

THE BUILDING MANUFACTURER IS A MEMBER OF THE METAL BUILDING MANUFACTURERS ASSOCIATION.

THE BUILDING MANUFACTURER'S FABRICATION AND PRODUCTS ARE COVERED BY ONE OR MORE OF THE FOLLOWING CERTIFICATIONS:

1. APPROVED FABRICATOR OF PREFABRICATED BUILDINGS AND COMPONENTS. REFERENCE IAS (FA-337).
2. SBCDC COMPLIANCE REPORT NO. 9461A
3. CERTIFICATION OF MANUFACTURES OF STEEL BUILDING SYSTEMS A660
4. CITY OF HOUSTON APPROVED FABRICATOR (REGISTRATION NO. 164)
5. WISCONSIN PRODUCT APPROVAL NUMBER 200231-M
6. CLARK COUNTY, NEVADA APPROVED FABRICATOR
7. CITY OF LOS ANGELES, CALIFORNIA APPROVED TYPE 1 FABRICATOR (LA#1604)
8. CANADIAN WELDING BUREAU CERTIFICATION TO CSA STANDARD W47.1-03 IN DIVISION 1 (HOUSTON, TX)
9. TEXAS DEPT. OF INSURANCE PRODUCT EVALUATION RC-15

APPROVAL NOTES

THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS APPROVAL DRAWINGS:

A) IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS:

- 1) BE MADE IN CONTRASTING INK.
- 2) HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED.
- 3) BE LEGIBLE AND UNAMBIGUOUS.

B) DATED SIGNATURE IS REQUIRED ON ALL PAGES.

C) MANUFACTURER RESERVES THE RIGHT TO RE-SUBMIT DRAWINGS WITH EXTENSIVE OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE DELIVERY SCHEDULE.

D) APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE MANUFACTURER HAS CORRECTLY INTERPRETED THE CONTRACT REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN, OR AS DRAWN WITH INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY MANUFACTURER.

E) ANY CHANGES NOTED ON THE DRAWINGS NOT IN CONFORMANCE WITH THE TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION. MANUFACTURER RECOGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING APPROVAL, DISAPPROVAL, REJECTION, OR WERE REVIEW OF THE DRAWINGS SUBMITTED. HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTUAL TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILAR INDICATION OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS UNACCEPTABLE ALTERATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS CUSTOMER.

BOLT TIGHTENING

THE PROPER TIGHTENING AND INSPECTION OF ALL FASTENERS IS THE RESPONSIBILITY OF THE ERECTOR. ALL HIGH STRENGTH (A325, A490) BOLTS AND NUTS MUST BE TIGHTENED BY THE "TURN-OF-THE-NUT" METHOD UNLESS OTHERWISE SPECIFIED BY THE END CUSTOMER IN THE CONTRACT DOCUMENTS, OR AS ALLOWED BY THE PROVISIONS BELOW. INSPECTION OF HIGH STRENGTH BOLT AND NOT INSTALLATION BY OTHER THAN THE ERECTOR MUST ALSO BE SPECIFIED IN THE CONTRACT DOCUMENTS AND THE ERECTOR IS RESPONSIBLE FOR ENSURING THAT THE INSTALLATION AND INSPECTION PROCEDURES ARE COMPATIBLE PRIOR TO THE START OF ERECTION. (WEMA '96 IV 6.9)

ACCORDING TO AISC AND RCSC, AS LONG AS THE BOLT HOLES ARE NOT OVERSIZED OR SLOTTED, SNUG-TIGHTENED BOLTS, (A325 ONLY), ARE PERMITTED EXCEPT IN BUILDINGS SUPPORTING CRANES EXCEEDING A 5 TON CAPACITY OR IN BUILDINGS LOCATED IN SEISMIC DESIGN CATEGORIES D AND GREATER. IT IS IMPORTANT TO CHECK WITH THE LOCAL BUILDING AUTHORITY ON THE USE OF "SNUG-TIGHTENED" BOLTS SINCE THE MODEL CODE GROUPS (BOCA,SBCDC, AND ICBO), HAVE NOT YET FORMALLY ADOPTED THIS CHANGE.

SAFETY COMMITMENT

THE BUILDING MANUFACTURER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF THE BUILDING MANUFACTURER.

IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.

LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, WHETHER STANDARD STATUTORY OR CUSTOMARY, SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKER SAFETY.

MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING.

EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES.

DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.

FOR PURPOSES OF DETERMINING LIFT REQUIREMENTS, NO BUNDLE SUPPLIED BY NCI WILL EXCEED 4,000 POUNDS. FOR FURTHER INFORMATION ALSO REFERENCE THE BILL OF MATERIALS FOR INDIVIDUAL MEMBER WEIGHTS OF OTHER STRUCTURAL MEMBERS. IF ADDITIONAL INFORMATION IS REQUIRED CONTACT THE CUSTOMER SERVICE DEPARTMENT AT 800-777-8378.

ICE AND SNOW REMOVAL

EXCESSIVE ICE AND SNOW SHOULD BE REMOVED FROM ROOF IMMEDIATELY TO PREVENT DAMAGE TO ROOF AND POSSIBLE COLLAPSE. DO NOT USE METAL TOOLS TO REMOVE THE ICE OR SNOW AS THIS CAN DAMAGE THE PAINT AND/OR GALVALUME COATINGS. ALSO, BE CAREFUL AROUND PLUMBING PIPES AND FLASHINGS.

BE EXTREMELY CAREFUL IF YOUR ROOF HAS LIGHT TRANSMITTING PANELS. THESE PANELS WILL NOT SUPPORT A PERSON'S WEIGHT AND WILL BE DIFFICULT OR IMPOSSIBLE TO SEE IF THEY ARE COVERED WITH ICE AND SNOW. SEE 2002 WEMA LOW-RISE BUILDING SYSTEMS MANUAL APPENDIX AB FOR DETAILS SNOW REMOVAL PROCEDURES. THESE PROCEDURES SHOULD COMMENCE WHEN HALF OF THE DESIGN ROOF SNOW LOAD SHOWN ON THIS SHEET IS REALIZED.

DEBRIS REMOVAL

ANY FOREIGN DEBRIS SUCH AS SAWDUST, DIRT, LEAVES, ANIMAL DROPPINGS, ETC. WILL CAUSE CORROSION OF THE ROOF, GUTTERS, TRIM, ETC. IF LEFT ON BUILDING SURFACE FOR A LONG ENOUGH TIME. THE ROOF SHOULD BE PERIODICALLY INSPECTED FOR SUCH CONDITIONS AND IF FOUND, THEY SHOULD BE RECTIFIED IN A MANNER CONSISTENT WITH THESE ROOF MAINTENANCE GUIDELINES. NEVER ALLOW TREATED LUMBER OR CONCRETE/MORTAR/GROUT TO COME IN CONTACT WITH ROOF PANELS, ESPECIALLY GALVALUME®, FOR EXTENDED PERIODS OF TIME.

PERIODIC INSPECTION

ALL HIGH-STRENGTH BOLTS SHALL BE PERIODICALLY INSPECTED FOR TIGHTNESS, PARTICULARLY IN CRANE BUILDINGS AND AFTER ANY SEISMIC ACTIVITY OR WIND ACTIVITY. THE CRANE MANUFACTURER WILL SPECIFY A MINIMUM PERIOD, BUT IT SHOULD NOT EXCEED 2 YEARS.

05/07/09

GENERAL NOTES

THE STRUCTURE UNDER THIS CONTRACT HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE CONTRACT AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. THE BUILDING MANUFACTURER WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.

THIS METAL BUILDING IS DESIGNED WITH THE BUILDING MANUFACTURER'S STANDARD PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES.

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
2. AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
3. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.1.
4. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.3
5. METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL"
6. INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS: "UNIFORM BUILDING CODE"
7. SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL: "STANDARD BUILDING CODE"
8. BUILDING OFFICIAL AND CODE ADMINISTRATORS INTERNATIONAL: "BOCA NATIONAL BUILDING CODE"
9. NATIONAL BUILDING CODE OF CANADA.
10. INTERNATIONAL BUILDING CODE (IBC)

MATERIAL PROPERTIES OF STEEL PLATE USED IN THE FABRICATION OF PRIMARY RIGID FRAMES, AND OTHER PRIMARY STRUCTURAL EXCLUSIVE OF COLD-FORMED SECTIONS, CONFORM TO ASTM-A529 OR A-572, FLANGES WITH THICKNESS OF 1" INCH OR LESS AND WIDTH OF 12" OR LESS CONFORM TO A-529 WITH A MINIMUM YIELD POINT OF 55,000 PSI. FLANGES GREATER THAN 3/8" IN THICKNESS AND 12" IN WIDTH CONFORM TO A-572 WITH A MINIMUM YIELD POINT OF 50,000 PSI. FLANGES WITH A THICKNESS GREATER THAN 1" THICK AND A WIDTH LESS THAN 12" CONFORM TO A-572 WITH A MINIMUM YIELD POINT OF 50,000 PSI. WEB MATERIAL LESS THAN 1/4" THICK CONFORMS TO ASTM-A1011 WITH A MINIMUM YIELD POINT OF 50,000 PSI. WEB MATERIAL 1/4" THICK AND GREATER CONFORM TO A-572 WITH A MINIMUM YIELD POINT OF 50,000 PSI. MATERIAL PROPERTIES OF PIPE SECTIONS CONFORM TO ASTM-A53 TYPE E, GRADE B WITH A MINIMUM YIELD POINT OF 35,000 PSI.

MATERIAL PROPERTIES OF HOT ROLLED STEEL MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM-A992 OR A-572 WITH A MINIMUM YIELD POINT OF 50,000 PSI.

MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO ASTM-A1011

GRADE 55 MODIFIED WITH A MINIMUM YIELD POINT OF 57,000 PSI.

MATERIAL PROPERTIES OF ROOF/WALL SHEETING, BASE METAL CONFORM TO ASTM-A792 GRADES 50 OR 80 WITH MINIMUM YIELD POINTS OF 50,000 PSI AND 80,000 PSI RESPECTIVELY, AS REQUIRED BY DESIGN. COATING OF BASE MATERIAL IS 55% ALUMINUM-ZINC ALLOY IN ACCORDANCE WITH A255 FOR UNPAINTED OR A250 FOR PAINTED SPECIFICATIONS.

CABLE UTILIZED FOR BRACING CONFORMS TO ASTM A475. CABLE BRACING IS TO BE INSTALLED TO A TAUT CONDITION WITH ALL SLACK REMOVED.

ROD AND ANGLE UTILIZED FOR BRACING MEMBERS CONFORM TO ASTM A36.

STRUCTURAL JOINTS WITH ASTM A-325 HIGH STRENGTH BOLTS, WHERE INDICATED ON THE DRAWINGS, SHALL BE ASSEMBLED AND THE FASTENERS TIGHTENED IN ACCORDANCE WITH THE BOLT TIGHTENING PROCEDURE INDICATED BELOW. ALL JOINTS WILL BE ASSEMBLED WITHOUT WASHERS UNLESS OTHERWISE NOTED.

ALL STEEL MEMBERS EXCEPT BOLTS, FASTENERS AND CABLE SHALL RECEIVE ONE SHOP COAT OF IRON OXIDE CORROSION INHIBITIVE PRIMER, MEETING THE PERFORMANCE REQUIREMENTS OF SSPC PAINT SPECIFICATION #15.

SHOP AND FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS STIPULATED OTHERWISE IN THE CONTRACT.

ROOF MAINTENANCE GUIDELINES

- * WALK IN THE FLAT OF THE PANELS NEAR THE STRUCTURAL SUPPORTS.
- * KEEP ROOF, GUTTERS AND DOWNSPOUTS FREE OF DEBRIS.
- * INSPECT ROOF FOR DAMAGE AFTER HEAVY STORMS.
- * REMOVE EXCESSIVE ICE AND SNOW ACCUMULATIONS AS NECESSARY.
- * INSPECT AND RESEAL AS NECESSARY ALL ROOF CURBS AND OTHER PENETRATIONS WITH URETHANE SEALANT.
- * ALWAYS GET MANUFACTURER APPROVAL BEFORE MAKING ANY MODIFICATIONS TO THE ROOF.
- * REPAINT ANY AREAS THAT ARE SUSCEPTIBLE TO RUST AS REQUIRED, WHEN PERFORMING ROOF MAINTENANCE, ALWAYS TAKE THE FOLLOWING PRECAUTIONS:
- * USE FALL PROTECTION AND OTHER SAFETY EQUIPMENT AS REQUIRED.
- * DO NOT WALK ON ROOF FLASHINGS SUCH AS GUTTER, RAKE, HIP OR RIDGE FLASH.
- * DO NOT WALK ON LIGHT TRANSMITTING PANELS (LTPS). THEY WILL NOT SUPPORT A PERSON'S WEIGHT.
- * GUARD ALL LIPS AND ROOF OPENINGS.
- * STEP ONLY IN THE PANEL FLAT DIRECTLY ON OR IN CLOSE PROXIMITY TO A SUPPORTING ROOF STRUCTURAL.
- * AFTER A FIRE, VANDALISM OR KNOWN DAMAGE TO AN ADJACENT ROOF AREA.
- * EXPOSURE TO SEVERE WEATHER CONDITIONS, INCLUDING HIGH WINDS, HAIL OR ABNORMALLY HEAVY RAINS OR ICE AND SNOW.
- * AFTER OTHER TRADES HAVE BEEN ON THE ROOF FOR ANY REASON, INSPECT THE ROOF FOR DAMAGE CAUSED BY WORKERS INCLUDING CHEMICAL OR SOLVENT SPILLS, SCRATCHES IN THE PAINT OR GALVALUME® COATING, EXCESSIVE FOOT TRAFFIC AND PUNCTURES. MAKE SURE THAT ANY DEBRIS OR SCRAP LEFT BEHIND BY THE WORKERS IS REMOVED FROM THE ROOF IMMEDIATELY. AVOID USING CUTOFF SAWS AND WELDING EQUIPMENT OVER THE ROOF. IN CASES WHERE THIS IS NOT POSSIBLE, THE ROOF MUST ADEQUATELY PROTECTED.

FOOT TRAFFIC

KEEP FOOT TRAFFIC TO A MINIMUM. HEAVY FOOT TRAFFIC CAN CAUSE PONDING ON LOW PITCHED ROOFS. THIS IS PARTICULARLY TRUE JUST UPSLOPE FROM THE EAVE AND AT ENDLAPS. ALWAYS WALK IN THE FLAT OF THE PANEL NEAR A SUPPORTING ROOF STRUCTURAL. DO NOT WALK ON TRIM OR IN GUTTERS. ON BARE GALVALUME® ROOFS, EXCESSIVE FOOT TRAFFIC MAY CAUSE BLACK BURNISH MARKS. IF REGULAR FOOT TRAFFIC IS PLANNED FOR A ROOF, PROVISIONS SHOULD BE MADE FOR A PROPERLY DESIGNED AND INSTALLED ROOF WALKWAY SYSTEM. IN ORDER TO LIMIT ACCESS TO THE ROOF, ROOF HATCHES OR ACCESS LADDERS SHOULD BE LOCATED AT ALL TIMES. A SIGN SHOULD BE POSTED AT THE POINT OF ACCESS, STATING THAT ONLY AUTHORIZED PERSONNEL ARE ALLOWED ONTO THE ROOF. IN ADDITION, A LOG BOOK SHOULD BE KEPT OF ALL VISITS TO THE ROOF AND THE REASON FOR SUCH VISITS.

DRAINAGE

- * KEEP ROOF FREE OF DEBRIS AND KEEP DEBRIS OUT OF GUTTER TO ALLOW WATER TO QUICKLY DRAIN FROM ROOF.
- * DO NOT USE WOOD BLOCKING TO HOLD EQUIPMENT OFF OF PANEL SEAMS. THIS BLOCKS THE FLOW OF WATER AND HOLDS MOISTURE.
- * DO NOT ALLOW ROOFTOP AC UNITS OR EVAPORATIVE COOLERS TO DRAIN ONTO THE ROOF.
- * ANYTHING THAT TRAPS OR HOLDS MOISTURE ON A ROOF WILL CAUSE PREMATURE CORROSION.

POST-ERECTION ROOF CLEANING

AFTER ROOF INSTALLATION IS COMPLETE, ALL FILINGS, SHAVINGS, ETC. FROM FASTENER INSTALLATION ETC. SHALL BE SWEPT COMPLETELY CLEAR OF THE ROOF PANELS. IF THIS DOES NOT HAPPEN, THE MANUFACTURER WILL NOT BE HELD RESPONSIBLE FOR ANY RESULTING CORROSION.

DISSIMILAR METALS

NEVER ALLOW YOUR ROOF TO COME IN CONTACT WITH, OR WATER RUNOFF FROM, ANY DISSIMILAR METAL INCLUDING BUT NOT LIMITED TO: COPPER, LEAD OR GRAPHITE, THIS INCLUDES COPPER AND ARSENIC SALTS USED IN TREATED LUMBER, CALCIUM USED IN CONCRETE, MORTAR AND GROUT.

BUILDING DESCRIPTION:					ENDWALL FRAME TYPE	
BUILDING ID	WIDTH	LENGTH	HEIGHT	ROOF PITCH	LEFT	RIGHT
BLDG.'A'	CST 60'-0"	50'-0"	12'-0"	1:12	NON-EXP. MAIN FRAMENON-EXP. MAIN FRAM	
WARNING: IN NO CASE SHOULD GALVALUME STEEL PANELS BE USED IN CONJUNCTION WITH LEAD, COPPER, PORTLAND CEMENT, OR TREATED LUMBER. THESE MATERIALS HAVE HARMFUL CORROSIVE EFFECTS ON THE ALUMINUM ZINC ALLOY COATING WHEN THEY ARE USED IN CONTACT WITH GALVALUME STEEL PANELS. EVEN RUN-OFF FROM THESE MATERIALS INCLUDING FLASHING, WIRING, OR TUBING ONTO GALVALUME SHOULD BE AVOIDED.						
BASE CONDITION		SHEETING		BLANKET TYPE INSULATION		
SHEETING RECESS W/		24 GA.	***DOUBLE-LOK/HARBOR BLUE	ROOF	NONE	BY MANUFACTURER
BASE ANGLE & FLASH		26 GA.	PBR/BROWNSTONE	WALL	SCREWS-SELF DRILLING	
TAPE SEAL		TRIM (1/8" POP RIVETS AT SPLICES)		MEMBER ROOF	**(***)	STITCH ROOF
3/8" X		26 GA.	BROWNSTONE	RAKE	MEMBER WALL 12-14 x 1 1/2 SDS	STITCH WALL # 14 x 7/8 Laplok
1" X		26 GA.	BROWNSTONE	EAVE	RAKE TO ROOF	RAKE TO WALL
WARRANTIES		26 GA.	BROWNSTONE	GUTTER	GUTTER TO ROOF	GUTTER STRAPS
ULL 90		YES	26 GA.	BROWNSTONE	DOWNSPOUTS	CORNER TRIM
20 YR ROOF		YES	26 GA.	BROWNSTONE	CORNER	PRIMARY
20 YR WALL		YES	26 GA.	BROWNSTONE	ACCESSORIES	SECONDARY
DENOTES LONG LIFE FASTENERS *REFERS TO DOUBLE-LOK MANUAL W/LOW FLOATING CLIPS BASE AND EAVE CLOSURES REQUIRED						

BUILDING LOADS

N/A APPLICABLE INTERIOR ZONE FM RATING I- PERIMETER & CORNER ZONES PER FM DATA SHEET I-28, TABLE 6.

THIS IS TO CERTIFY THAT THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY THE BUILDING CODE SHOWN BELOW. THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY THE BUILDING MANUFACTURER AND AS SPECIFIED IN THE CONTRACT. ACCESSORY ITEMS SUCH AS DOORS, WINDOWS, LOUVERS, TRANSLUCENT PANELS, AND VENTILATORS ARE NOT INCLUDED. ALSO EXCLUDED ARE OTHER PARTS OF THE PROJECT NOT PROVIDED BY THE BUILDING MANUFACTURER SUCH AS FOUNDATIONS, MASONRY WALLS, MECHANICAL EQUIPMENT AND THE ERECTION OF THE BUILDING. THE BUILDING SHOULD BE ERECTED ON A PROPERLY DESIGNED FOUNDATION IN ACCORDANCE WITH THE BUILDING MANUFACTURER'S DESIGN MANUAL, THE ATTACHED DRAWINGS, AND GOOD ERECTION PRACTICES.

DESIGN CODE	2006 IBC	2ND CODE	
OCCUPANCY CATEGORY NORMAL			
ROOF DEAD LOAD			
SUPERIMPOSED	2.48 PSF		
COLLATERAL	17.00 PSF		
ROOF LIVE LOAD	20.00 PSF		
ROOF LIVE LOADS REDUCED IN ACCORDANCE W/ IBC 1607.11.2.1 YES X NO			

SNOW LOAD	
GROUND SNOW LOAD (Pg)	15.00 PSF
SNOW LOAD IMPORTANCE FACTOR (I)	1.00
FLAT-ROOF SNOW LOAD (Pf)	10.50 PSF
MINIMUM ROOF SNOW LOAD (Pi)	20.00 PSF
SNOW EXPOSURE FACTOR (Ce)	1.00
THERMAL FACTOR (Ct)	1.00
WIND LOAD	
BASIC WIND SPEED	90 MPH
WIND IMPORTANCE FACTOR (I)	1.00
WIND EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT (GCP)	0.18/-0.18
COMPONENT WIND LOAD ≤ 10FT², ZONE 4	+ 16.15 PSF PRESSURE, -17.50 PSF SUCTION
COMPONENT WIND LOAD ≤ 10FT², ZONE 5	+ 16.15 PSF PRESSURE, -21.54 PSF SUCTION
+ ZONES PER ASCE 7-98, FIGURE 6-5A	
X + ZONES PER ASCE 7-05, FIGURE 6-11A	

SEISMIC LOAD	
SEISMIC USE GROUP	
SEISMIC IMPORTANCE FACTOR (Iw)	
DESIGN CATEGORY	
SITE CLASS	
Ss	0.564 Sds 0.567
SI	0.170 Sd1 0.240
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE	
COLUMN LINE	1-4
BASIC FORCE RESISTING SYSTEM *	C4 B4
RESPONSE MODIFICATION COEFFICIENT (R)	3.50 3.25
DEFLECTION AMPLIFICATION FACTOR (Cd)	3.00 3.25
SYSTEM OVER-STRENGTH FACTOR (OMEGA)	2.50 2.00
SEISMIC RESPONSE COEFFICIENT (Cs)	0.1449 0.1560
ENTIRE BLDG DESIGN BASE SHEAR (V)	9.86 10.43

RAINFALL INTENSITY	
5-MINUTE DURATION, 5-YEAR RECURRENCE (I)	4 IN/HOUR
5-MINUTE DURATION, 25 YEAR RECURRENCE (I2)	6 IN/HOUR

FLOOR LOADS	
SUPERIMPOSED DEAD LOAD	psf
COLLATERAL DEAD LOAD	psf
PARTITION LOAD	psf
TOTAL DEAD LOAD	psf
LIVE LOAD	psf
CRANE LOADS	
CAPACITY & TYPE	
MAX. WHEEL LOAD	
WHEELBASE	
BRIDGE WEIGHT	
HOIST & TROLLEY WEIGHT	
CRANE CLASS	

SPECIAL LOADS (2) 250# CURB MOUNTED SKY LIGHT

DRAWING INDEX		
ISSUE	PAGE	DESCRIPTION
0	C1 of 1	COVER SHEET
0	ES-1	INSTALLATION PROCEDURES
0	F1 of 2	ANCHOR ROD PLAN
0	F2 of 2	BASE PLATE DETAILS AND REACTIONS
0	S01 of 1	SHAKE-OUT PLAN
0	E1 of 7	ROOF FRAMING PLAN
0	E2-3 of 7	SIDEWALL ELEVATIONS
0	E4-5 of 7	ENDWALL ELEVATIONS
0	E6-8 of 7	FRAME CROSS SECTION
0	NS-1 ~ NS- 9	STANDARD DETAILS
0	WS-1	STANDARD WELD DETAILS

- * BASIC FORCE RESISTING SYSTEM
- A5 INTERMEDIATE PRE-CAST SHEAR WALLS
- A6 ORDINARY PRE-CAST SHEAR WALLS
- B4 ORDINARY STEEL CONCENTRICALLY BRACED FRAME
- C3 INTERMEDIATE STEEL MOMENT FRAME
- C4 ORDINARY STEEL MOMENT FRAME
- G2 CANTILEVERED INTERMEDIATE MOMENT FRAME
- G3 CANTILEVERED MOMENT FRAME
- H STEEL SYSTEM NOT SPECIFICALLY DESIGNED FOR SEISMIC RESISTANCE

These drawings and the metal building they represent are the product of Metallic Building Company or another division or affiliate of NCI Group Inc. - 7301 Fairview, Houston, TX 77041. The engineer whose seal appears hereon is employed by Metallic Building Company or another division or affiliate of NCI Group Inc. and is not the engineer of record for this project.



metallic building company

7301 FAIRVIEW, HOUSTON, TEXAS, P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

PROJECT: MONTESSA PARK LAB FACILITY							
CUSTOMER: CLOVIS METAL BUILDINGS	OWNER: MONTESSA PARK LABORATORY FACILITY						
LOCATION: ALBUQUERQUE, NM							
CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
		N.T.S.	-	A	2105-245197	C1 of 1	0

09/20/2010
2244

IN ORDER TO GIVE YOU PROMPT SERVICES AND KEEP PROBLEMS TO A MINIMUM, PLEASE HANDLE ANY SHORTAGES OR BACK CHARGES IN THE FOLLOWING MANNER:

CAREFULLY CHECK YOUR PACKING LIST WHILE UNLOADING. MARK ANY ITEMS, WHICH APPEAR TO BE MISSING AND NOTIFY THE CUSTOMER SERVICE DEPARTMENT AT 1-800-777-4378 AS SOON AS POSSIBLE. CALLING SOMEONE ELSE COULD DELAY THE PROPER RESPONSE.

II. DAMAGED OR DEFECTIVE MATERIAL - DAMAGED OR DEFECTIVE MATERIAL, REGARDLESS OF THE DEGREE OF DAMAGE, MUST BE NOTED ON THE SHIPPING DOCUMENTS BY THE CUSTOMER AND ACKNOWLEDGED IN WRITING BY THE CARRIER'S AGENT. THE MANUFACTURER IS NOT RESPONSIBLE FOR MATERIAL DAMAGED IN UNLOADING OF PACKAGED OR NESTED MATERIALS, INCLUDING, BUT NOT LIMITED TO: FASTENERS, SHEET METAL, "6" & "2" SECTIONS & COVERING PANELS THAT BECOME WET AND/OR DAMAGED BY WATER WHILE IN THE POSSESSION OF OTHERS. PACKAGED OR NESTED MATERIAL THAT BECOMES WET IN TRANSIT MUST BE UNPACKED, UNSTACKED AND DRIED BY THE CUSTOMER.

IF THE CARRIER IS THE MANUFACTURER, THE CUSTOMER MUST MAKE CLAIM FOR DAMAGE DIRECTLY TO THE MANUFACTURER. IF THE CARRIER IS A COMMON CARRIER, THE CUSTOMER MUST MAKE THE CLAIM FOR DAMAGE TO THE COMMON CARRIER. THE MANUFACTURER IS NOT LIABLE FOR ANY CLAIM WHATSOEVER INCLUDING, BUT NOT LIMITED TO LABOR CHARGES OF CONSEQUENTIAL DAMAGES RESULTING FROM THE CUSTOMER'S USE OF DAMAGED OR DEFECTIVE MATERIALS THAT CAN BE DETECTED BY VISUAL INSPECTION.

III. CLAIMING IS NOT CAUSE FOR REJECTION - SEE INSTALLATION MANUAL

III. EXCESSIVE MATERIAL - THE MANUFACTURER RESERVES THE RIGHT TO RECOVER ANY MATERIAL DELIVERED IN EXCESS OF THOSE REQUIRED BY THE ORDER DOCUMENTS.

IV. INITIAL CLAIM - IN THE EVENT OF ERROR, THE CUSTOMER MUST PROMPTLY MAKE A WRITTEN OR VERBAL "INITIAL CLAIM" TO THE MANUFACTURER FOR THE CORRECTION OF DESIGN, DRAWING, BILL OF MATERIALS OF FABRICATION ERROR. THE "INITIAL CLAIM" INCLUDES:

1. DESCRIPTION OF THE NATURE AND EXTENT OF THE ERRORS, INCLUDING QUANTITIES.
2. DESCRIPTION OF THE NATURE AND EXTENT OF PROPOSED CORRECTIVE WORK INCLUDING ESTIMATED MAN-HOURS.
3. MATERIAL TO BE PURCHASED FROM OTHER THAN THE MANUFACTURER, INCLUDING ESTIMATED QUANTITIES AND COST.
4. MAXIMUM TOTAL COST OF PROPOSED CORRECTIVE WORK AND MATERIAL TO BE PURCHASED FROM OTHER THAN THE MANUFACTURER.

THE NEMA COMMENTARY STATES THAT:

- *...THE MANUFACTURER IS NOT RESPONSIBLE FOR THE DEGRADATION OF THE SHOP COAT OF PRIMER OR CORROSION THAT MAY RESULT FROM EXPOSURE TO ATMOSPHERIC AND ENVIRONMENTAL CONDITIONS, NOR THE COMPATIBILITY OF THE PRIMER TO ANY FIELD APPLIED COATING...

THE ASCC CODE OF STANDARD PRACTICE FURTHER STATES THAT:

- *...THE SHOP COAT OF PAINT IS THE PRIME COAT OF THE PROTECTIVE SYSTEM. IT PROTECTS THE STEEL FOR ONLY A SHORT PERIOD OF EXPOSURE...

PRIMER TOUCH-UP DUE TO TRANSIT ABRASIONS AND/OR SCRATCHING DURING LOADING AND UNLOADING IS TO BE EXPECTED. PRIMER TOUCH-UP IS NOT THE RESPONSIBILITY OF NCL. ADDITIONAL GUIDELINES FOR THE HANDLING AND STORAGE OF STEEL COMPONENTS CAN BE FOUND IN BOTH THE NEMA COMMENTARY AND THE ASCC CODE OF STANDARD PRACTICE.

VEL SHIPMENT ARRIVAL TIME - EVERY EFFORT WILL BE MADE TO SEE THAT THE CARRIER ARRIVES AT THE JOBSITE ON THE REQUESTED DAY AND AT THE REQUESTED HOUR. MANUFACTURER MAKES NO WARRANTY AND ACCEPTS NO RESPONSIBILITY FOR COSTS ASSOCIATED WITH A SHIPMENT NOT ARRIVING AT A REQUESTED TIME UNLESS A SEPARATE AGREEMENT HAS BEEN MADE IN WRITING FOR A GUARANTEED ARRIVAL TIME.

IF WATER IS ALLOWED TO REMAIN FOR EXTENDED PERIODS IN BUNDLES OF PRIMED PARTS SUCH AS GYTS, PURLINS, ETC., THE PRIMER WILL FAZE AND THE PAINT WILL GRADUALLY SEPARATE ITS BOND TO THE STEEL. THEREFORE, UPON RECEIPT OF A JOB, ALL BUNDLES OF PRIMED PARTS SHOULD BE STORED AT AN ANGLE TO ALLOW ANY TRAPPED WATER TO DRAIN AWAY AND PERMIT AIR CIRCULATION FOR DRYING. PUDDLES OF WATER SHOULD NOT BE ALLOWED TO COLLECT AND REMAIN ON COLUMNS OR RAFTERS FOR THE SAME REASON.

THE COAT OF SHOP PRIMER IS INTENDED TO PROTECT THE STEEL FRAMING FOR ONLY A SHORT PERIOD OF EXPOSURE TO ORDINARY ATMOSPHERIC CONDITIONS. THE COAT OF SHOP PRIMER DOES NOT PROVIDE THE UNIFORMITY OF APPEARANCE, OR THE DURABILITY AND CORROSION RESISTANCE OF A FIELD APPLIED FINISH COAT OF PAINT OVER A SHOP PRIMER.

THE MANUFACTURER IS NOT RESPONSIBLE FOR DETERIORATION OF THE SHOP COAT OF PRIMER OR CORROSION THAT MAY RESULT FROM EXPOSURE TO ATMOSPHERIC AND ENVIRONMENTAL CONDITIONS, NOR THE COMPATIBILITY OF THE PRIMER TO ANY FIELD APPLIED COATING. MINOR ABRASIONS TO THE SHOP COAT CAUSED BY HANDLING, LOADING, SHIPPING, UNLOADING AND ERECTION AFTER PAINTING ARE UNAVOIDABLE.

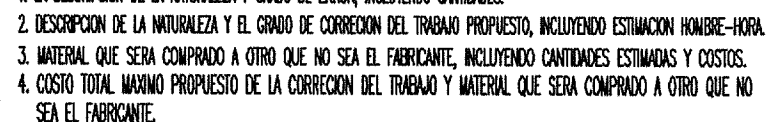
CAUTION: CARE SHOULD ALWAYS BE TAKEN WHEN WALKING ON PANELS. USE SAFETY LINES AND NETS WHEN NECESSARY. PANELS ARE SLIPPERY, OIL OR WAX APPLIED TO THE ROOF & WALL PANELS FOR PROTECTION AGAINST WEATHER DAMAGE WILL MAKE THEM A VERY SLIPPERY SURFACE. WIFE DIRT OFF OF THEM THAT HAS PRODDED FROM BUNDLES STORED ON A SLOPE. DEW, FROST, OR OTHER FORMS OF MOISTURE GREATLY INCREASE THE SLIPPERINESS OF THE PANELS. ALWAYS ASSUME PANEL SLIDING IS SLIPPERY & ACT ACCORDINGLY. NEVER WALK OR STEP ON SKYLIGHTS OR TRANSLUCENT PANELS! THINK SAFETY!!

USE WOOD BLOCKING TO ELEVATE & SLOPE THE PANELS IN A MANNER THAT WILL ALLOW MOISTURE TO DRAIN. WOOD BLOCKING PLACED BETWEEN BUNDLES WILL PROVIDE ADDITIONAL AIR CIRCULATION. COVER THE STACKED BUNDLES WITH A TARP OR PLASTIC COVER LEAVING ENOUGH OPENING AT THE BOTTOM FOR AIR TO CIRCULATE.

WHEN HANDLING OR UNLOADING THE PANELS, LIFT RATHER THAN SLIDE THEM APART. BURIED EDGES MAY SCRATCH THE

INSTALLATION OF THE BUILDING WALLS IS GENERALLY DONE BEFORE THE ROOF. BEFORE STARTING THE WALL INSTALLATION, CHECK TO BE SURE THAT THE RAFTER STRUT AND GIRTS ARE STRAIGHT AND PLUMB. ONE METHOD OF ALIGNING THE GIRTS IS TO CUT TEMPORARY WOOD BLOCKING TO THE PROPER LENGTH AND INSTALL BETWEEN THE LINES OF GIRTS. THIS BLOCKING CAN BE MOVED FROM DAY TO DAY WHICH WILL REDUCE THE NUMBER OF PIECES REQUIRED. NORMALLY, ONE LINE OF BLOCKING PER RAY WILL BE SUFFICIENT. BANDING CAN ALSO BE USED TO HOLD THE GIRTS STRAIGHT AND PLUMB.

(NOTE: TEMPORARY GIRT BLOCKING IS NOT RECOMMENDED ON CONCEALED FASTENER PANELS. THE REMOVAL OF THE BLOCKS AFTER PANEL INSTALLATION WILL CAUSE OR CAUSING.



VII. HORA DE LLEGADA DEL EMBARQUE - SE HARÁ UN ESFUERZO POR LOGRAR QU EL TRANSPORTISTA LLEGUE AL LUGAR DE TRABAJO EL DIA Y A LA HORA SOLICITADA. EL FABRICANTE NO GARANTIZA Y NO ACEPTA NINGUNA RESPONSABILIDAD POR EL COSTO ASOCIADO CON EL EMBARQUE QUE NO LLEGUE A LA HORA SOLICITADA EXCEPTO, QUE UN ARREGLO SE HALLA HECHO POR SEPARADO, GARANTIZANDO LA HORA DE LLEGADA.

LA CAPA DE SHOP PRIMER INTENTA PROTEGER AL MARCO DE ACERO POR UN DETERMINADO TIEMPO DE EXPOSICIÓN A CONDICIONES ATMOSFÉRICAS GRIETAS. LA CAPA DE SHOP PRIMER NO PROPORCIONA UNIFORMIDAD DE APARIENCIA, DURABILIDAD Y RESISTENCIA A LA CORROSIÓN COMO LA ÚLTIMA PINTURA HECHA EN EL CAPSO SOBRE EL SHOP PRIMER.

EL FABRICANTE NO SE RESPONSABILIZA DEL DETERIORO DE LA CAPA DE PRIMER O DE LA CORROSIÓN QUE PUEDA RESULTAR DE LA EXPOSICIÓN A LAS CONDICIONES ATMOSFÉRICAS Y AL MEDIO AMBIENTE, NI LA COMPARTIBILIDAD DEL PRODUCTO A CUALQUIER CAPA DE PINTURA APLICADA EN LA OBRA. MENORES ABRASES DE LA ÚLTIMA CAPA CAUSADOS POR MANEJO, CARGA, EMBARQUE, DESCARGA Y ERECCIÓN DEL MATERIAL DESPUÉS DE LA PINTURA SON INEVITABLES. RETOQUES DE ESTAS ABRASES MENORES SON RESPONSABLE DEL CLIENTE FINAL. EL ACERO PRIMARIO EL CUAL ES ALMACENADO EN LA OBRA DURANTE LA ERECCIÓN DEL EDIFICIO, DEBERÁ MANTENERSE LIBRE DE TIERRA ASÍ COMO EN UN

PRECAUCIÓN: SIEMPRE DEBE TENERSE CUIDADO CUANDO SE CAMBIE SOBRE LOS PANELES, USE REDES Y LINEAS DE SEGURIDAD CUANDO SEA NECESARIO. LOS PANELES SON RESALZADOS. ACETATE O CERA APLICADOS A LOS PANELES DEL TECHO O PAREDES PARA PROTEGÍLOS CONTRA DAÑOS CAUSADOS POR EL CLIMA LOS HARÁN SUPERFICIES MUY RESALZADAS. SEQUE CUALQUIER ACETATE QUE SE PUEDA HABERSE ACUMULADO POR ALMACENARSE EN BUELVIE. RICOLO, HIELO O CUALQUIER OTRA FORMA DE HUMEDAD INCLUIDA QUE LAS SUPERFICIES DE LOS PANELES SE DESLIZAN MÁS RESALZADAS. ASÍMISMO SIEMPRE QUE LA SUPERFICIE DEL PANEL SE RESALZATA Y ACTÚE DE ACUERDO A ESTO. NUNCA USE CANTOS O BLOQUES O PANELES TRANSLUCIDOSOS SEGURIDAD!!!

USE BLOQUES DE MADERA PARA ELEVAR E INCLINAR LOS PANELES DE MANERA QUE PERMITA DRENAR LA HUMEDAD. CALZAS DE MADERA ENTRE LAS PILAS DE PANELES PERMITIRÁN CIRCULACIÓN DE AIRE ADICIONAL. COBRAR LAS PILAS CON UNA CUBIERTA PLÁSTICA DEJANDO SUFICIENTEMENTE ABIERTO EL FONDO PARA PERMITIR LA CIRCULACIÓN DE AIRE. CUANDO SE MANEJA O MOVA LOS PANELES, NO LOS DESLIZE DE MANERA QUE SE SEPAREN NERVO LEVANTÁNDOSE, EL SOBRIANTE EN LAS CORRIJAS PODRÁ PALLAR LAS SUPERFICIES CUANDO LAS LAMINAS SE DESLIZAN SEPARÁNDOSE UNA

FS04

05/07/09

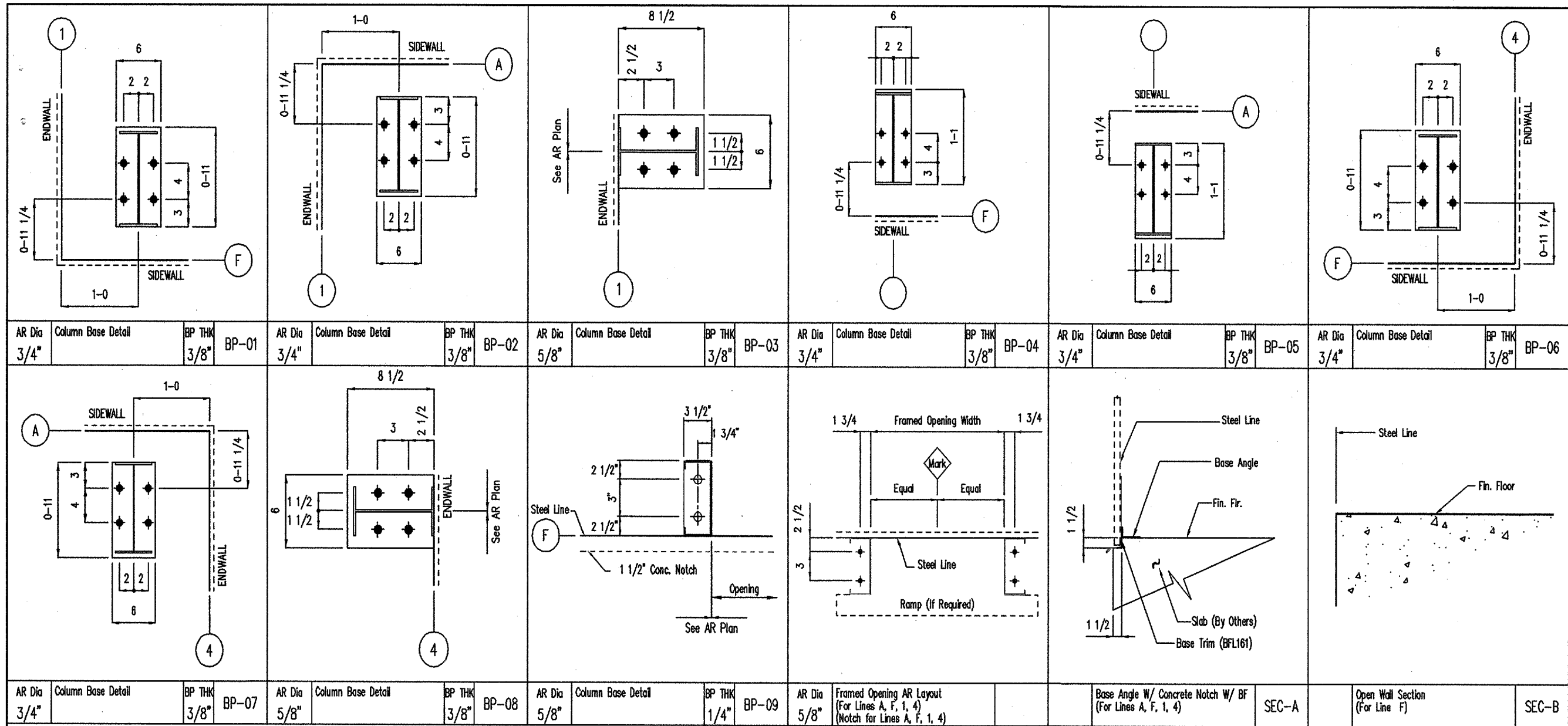
☒ FOR ERECTOR INSTALLATION:

ISSUE	DATE	DESCRIPTION	BY	CHKD	INSTALLATION PROCEDURES							
A	7-14-09		DEH	DGW								
0	8-18-09	FOR ERECTOR INSTALLATION	EA									
					PROJECT: MONTESSA PARK LAB FACILITY							
					CUSTOMER: CLOVIS METAL BUILDINGS				OWNER: MONTESSA PARK LABORATORY FACILITY			
					LOCATION: ALBUQUERQUE, NM							
					CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
							N.T.S.	—	A	2105-245197	ES-1	0

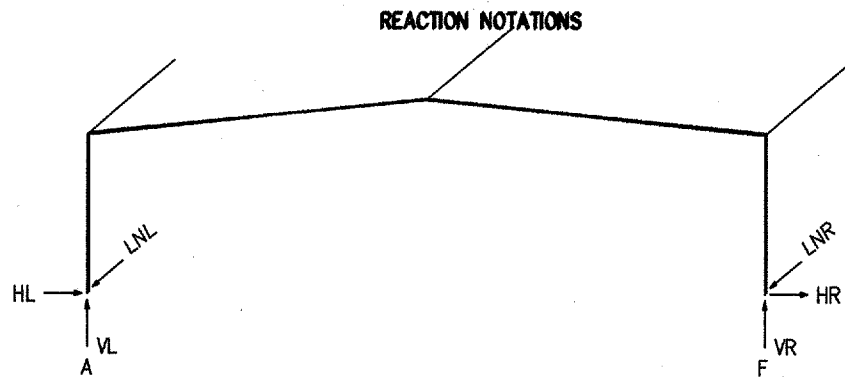
LOCATION: ALBUQUERQUE NM	OTHER: MONTESSA PARK LABORATORY FACILITY
--------------------------	--

CAD	DATE	SCALE	PHASE	BUILDING ID	JOB NUMBER	SHEET NUMBER	ISSUE
		N.T.S.	-	A	2105-245197	ES-1	0

2010-2011
Sep. 20-2010



BASE PLATE DETAILS



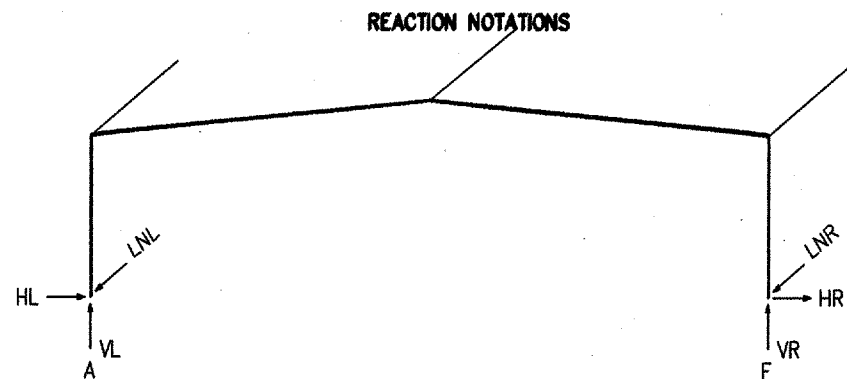
Main Frame Reactions at Lines 1,4

LOAD GROUP REACTION TABLE

COLUMN	COLUMN A			COLUMN F		
BASE PLATE	6.0X12.5X0.375			6.0X12.5X0.375		
ANC. RODS	(4)-3/4			(4)-3/4		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	0.9	1.3	0.0	-0.9	1.3	0.0
COLL	3.5	4.8	0.0	-3.5	4.7	0.0
SNOW	4.0	5.4	0.0	-4.0	5.4	0.0
LL	4.0	5.4	0.0	-4.0	5.4	0.0
RBDWEQ	0.0	3.6	0.0	0.0	3.6	0.0
EQ	-0.9	-0.3	0.0	-0.9	0.3	0.0
RBUPEQ	0.1	-3.6	-5.1	-0.1	-3.6	-5.1
WL1	-3.6	-4.7	0.0	2.1	-3.3	0.0
WL2	-2.8	-3.2	0.0	1.3	-1.8	0.0
WL3	-2.1	-3.3	0.0	3.6	-4.7	0.0
WL4	-1.3	-1.8	0.0	2.8	-3.2	0.0
LWL1	-2.1	-3.9	0.0	2.2	-3.6	0.0
RBUPLW	0.0	-1.7	-2.4	0.0	-1.7	-2.4
LWL2	-2.2	-3.6	0.0	2.1	-3.9	0.0
LWL3	-1.2	-2.4	0.0	1.2	-2.3	0.0
LWL4	-1.2	-2.3	0.0	1.2	-2.4	0.0
RS	1.8	1.7	0.0	-1.8	2.9	0.0
LS	1.8	2.9	0.0	-1.8	1.7	0.0
RBDWLW	0.0	1.7	0.0	0.0	1.7	0.0

LOAD GROUP DESCRIPTION

- DL : Roof Dead Load
COLL : Roof Collateral Load
SNOW : Roof Snow Load
LL : Roof Live Load
RBDWEQ : Downward Acting Rod Brace Load from Long. Seismic
EQ : Lateral Seismic Load parallel to plane of frame
RBUPEQ : Upward Acting Rod Brace Load from Longit. Seismic
WL1 : Lateral Primary Wind Load
WL2 : Lateral Primary Wind Load
WL3 : Lateral Primary Wind Load
WL4 : Lateral Primary Wind Load
LWL1 : Longitudinal Primary Wind Load
RBUPLW : Upward Acting Rod Brace Load from Longitud. Wind
LWL2 : Longitudinal Primary Wind Load
LWL3 : Longitudinal Primary Wind Load
LWL4 : Longitudinal Primary Wind Load
RS : Unbalanced Right Roof Snow Load
LS : Unbalanced Left Roof Snow Load
RBDWLW : Downward Acting Rod Brace Load from Longit. Wind



Main Frame Reactions at Lines 2,3

LOAD GROUP REACTION TABLE

COLUMN	COLUMN A			COLUMN F		
BASE PLATE	6.0X13.0X0.375			6.0X13.0X0.375		
ANC. RODS	(4)-3/4			(4)-3/4		
LOAD GROUP	HL	VL	LNL	HR	VR	LNR
DL	1.5	2.0	0.0	-1.5	2.0	0.0
COLL	7.0	8.3	0.0	-7.0	8.2	0.0
SNOW	8.1	9.6	0.0	-8.1	9.6	0.0
LL	8.1	9.6	0.0	-8.1	9.6	0.0
RBDWEQ	-0.1	3.6	0.0	0.1	3.6	0.0
EQ	-1.6	-0.6	0.0	-1.6	0.6	0.0
RBUPEQ	0.1	-3.6	-5.1	-0.1	-3.6	-5.1
WL1	-5.3	-6.2	0.0	3.5	-4.7	0.0
WL2	-3.7	-3.7	0.0	1.9	-2.1	0.0
WL3	-3.5	-4.7	0.0	5.3	-6.2	0.0
WL4	-1.9	-2.1	0.0	3.7	-3.7	0.0
LWL1	-4.4	-6.9	0.0	4.5	-6.3	0.0
RBUPLW	0.0	-1.7	-2.4	0.0	-1.7	-2.4
LWL2	-4.5	-6.3	0.0	4.4	-6.9	0.0
LWL3	-2.4	-4.2	0.0	2.5	-4.0	0.0
LWL4	-2.5	-4.0	0.0	2.4	-4.2	0.0
RS	3.7	2.9	0.0	-3.7	5.1	0.0
LS	3.7	5.1	0.0	-3.7	2.9	0.0
RBDWLW	0.0	1.7	0.0	0.0	1.7	0.0

REACTIONS

Framed Opening Schedule					
MK	QTY	Description	MK	QTY	Description
F1	5	8-0 x 3-8 W/ Sill	F4	ONE	7-0 x 3-8
F2	3	4-0 x 1-6 W/ Sill	F5	3	6-0 x 3-8 W/ Sill
F3	3	3-4 x 7-2			
Typical Load Cases and Their Meanings					
DL	Dead Load	WLR	Wind Load From Right - Case I		
CL	Collateral Load	WR2	Wind Load From Right - Case II		
LL	Live Load	EL	Seismic Load From Left		
SL	Snow Load (Balanced)	ER	Seismic Load From Right		
UBL	Unbalanced Snow Load (W/Wind From Left)	ELC	Seismic Load From Left (For Connections)		
UBR	Unbalanced Snow Load (W/Wind From Right)	ERC	Seismic Load From Right (For Connections)		
WLL	Wind Load From Left - Case I	MZL	Mezzanine (Floor) Live Load		
WL2	Wind Load From Left - Case II				

Note to Foundation Designer:

The manufacturer has determined the required anchor rod diameter assuming full allowable combined shear and tension can be developed in the rod in accordance with Table J3.3 of the AISC 9th Edition of the Manual of Steel Construction, Allowable Stress Design assuming a Threaded part made of ASTM-A36 Steel. It is the responsibility of the foundation designer to design an anchorage system using rods of the stated diameter that develop sufficient strength to resist the reactions given on the anchor rod plan. This may require the addition of embedded angles, plates, or other items to allow the rod group to develop a single resistance cone.

AR Projections

DIA	PROJ
1/2"	1 1/2"
5/8"	2"
3/4"	2 1/2"
7/8"	3 1/2"
1"	3 1/2"
1 1/8"	3 1/2"
1 1/4"	4"

DRAWING STATUS

- ☐ For Approval:
These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.
- ☐ For Construction Permit:
- ☒ For Erector Installation:

ISSUE	DATE	DESCRIPTION	BY	CHKD
A	7-14-09		DEH	DGW
0	8-18-09	FOR ERECTOR INSTALLATION	EA	



metallic building company

7301 FAIRVIEW, HOUSTON, TEXAS, P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: MONTESSA PARK LAB FACILITY

Customer: CLOVIS METAL BUILDINGS

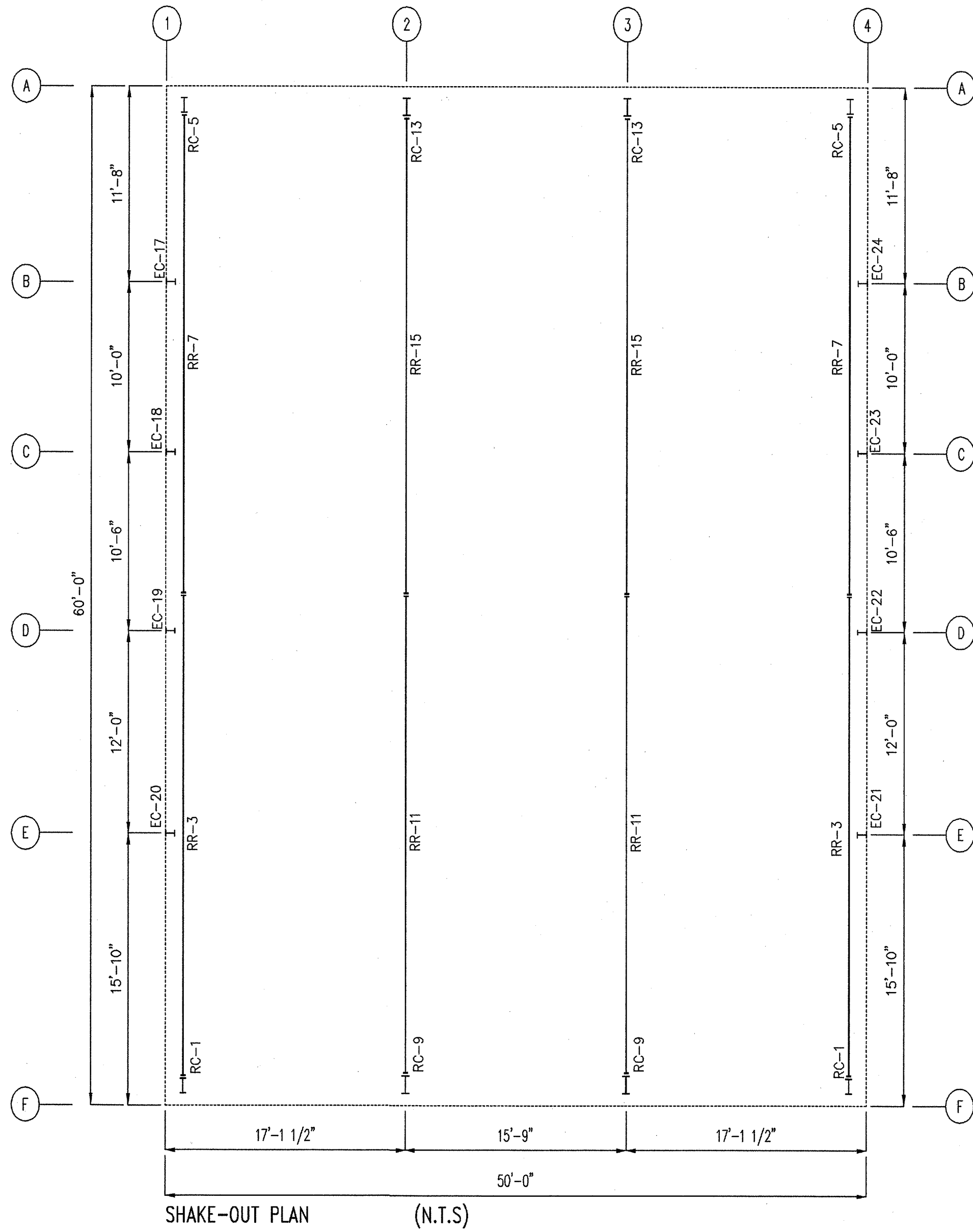
Owner: MONTESSA PARK LABORATORY FACILITY

Location: ALBUQUERQUE, NM

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	-	A	2105-245197	F2 of 2	0

These drawings and the metal building they represent are the product of Metallic Building Company or another division or affiliate of NCI Group Inc. - 7301 Fairview, Houston, TX 77041. The engineer whose seal appears hereon is employed by Metallic Building Company or another division or affiliate of NCI Group Inc. and is not the engineer of record for this project.

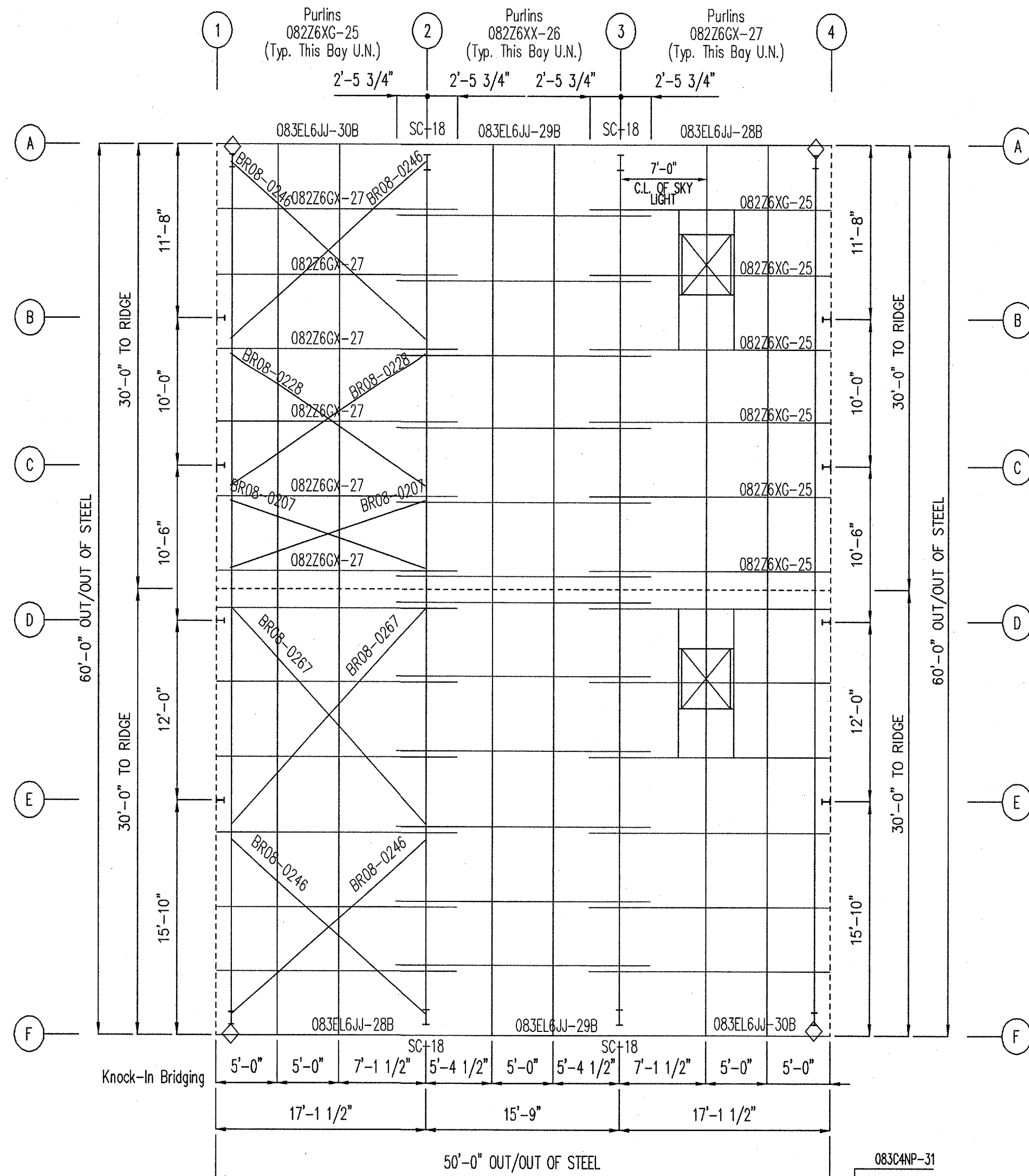
5-20-2010



These drawings and the metal building they represent are the product of Metallic Building Company or another division or affiliate of NCI Group, Inc. - 7301 Fairview, Houston, TX 77041.
The engineer whose seal appears hereon is employed by Metallic Building Company or another division or affiliate of NCI Group, Inc. and is not the engineer of record for this project.

DRAWING STATUS		REVISIONS				METALLIC		metallic building company						
☐	For Approval: These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.	NO.	DATE	DESCRIPTION	BY	CHK'D	Project: Montessa Park Lab Facility							
☐	For Construction Permit	0	8/18/09	FOR ERECTOR INSTALLATION	EA		Customer: Clovis Metal Building							
☒	For Erector Installation						Location: Albuquerque, NM							
							CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
							EA	8/12/2009	N.T.S.	1	A	2105-245197	S01 of 1	0

Handwritten:
Sep-20-2009



KBA-5015
KBA-5409
KBA-6203
KBA-6203
KBA-6203
RT-08B
KBA-6203
KBA-6203
KBA-6203
KBA-5409
KBA-5015

Knock-In Bridging
Bays 1, 2, 3

ROOF FRAMING PLAN (N.T.S.)

USE (4) A307 BOLT PURLIN CONNECTION U.N.

◇ = (4) 1/2" A325 BOLTS & WASHERS.

⊗ = 4'x4' SKY LIGHTS, WT. 250# (By Others)

SKY LIGHT FRAMING
(2) REQUIRED

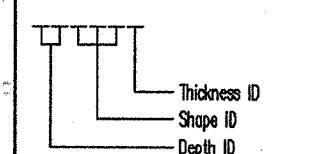
Do Not Cut Purlins

NOTE:
THE ROOF HAS BEEN LOADED FOR THE SKY LIGHT LOADS AS SHOWN. OVER AND ABOVE THE 17 PSF COLLATERAL LOAD. THE SKY LIGHTS MAY BE MOVED UP OR DOWN SLOPE TO CLEAR THE PURLINS. IF THE SKY LIGHT LOADS CHANGE IN LOCATION HORIZONTALLY OR WEIGHT METALLIC BUILDING COMPANY MUST BE NOTIFIED.

MISCELLANEOUS ACCESSORIES			SWING DOORS			FRAMED OPENINGS			VENTILATORS		
MK.	NO.	DESCRIPTION	MK.	NO.	DESCRIPTION	MK.	NO.	SIZE	MK.	NO.	DESCRIPTION
		N/A			N/A		5	8'-0" x 3'-8"			F.O. W/ SILL
							3	4'-0" x 1'-6"			F.O. W/ SILL
							3	3'-4" x 7'-2"			F.O.
							ONE	7'-0" x 3'-8"			F.O. W/ SILL
							3	6'-0" x 3'-8"			F.O. W/ SILL
											N/A
											N/A
											N/A

How to read part marks for:

Purlins, Girts, Eave Struts, Joints, Headers



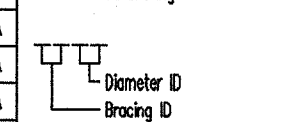
All letters and/or number which may appear after "Thickness ID" are for internal use only

1-30-07

DEPTH ID	SHAPE ID	THK ID	How to read part marks for:
ID	Depth	ID	Description
08	0'-8"	22	2 1/8 x 2 3/8 Zee
10	0'-10"	32	3 1/8 x 3 3/8 Zee
12	1'-0"	20	2 1/2 Cee
14	1'-2"	30	3 1/2 Cee
		34	3 1/2 Cee Jamb
		34	3 1/2 Cee Header/Sill

How to read part marks for:

Cable and Rod Bracing



All letters and/or number which may appear after "Diameter ID" are for internal use only

Bracing ID	Dia ID
ID	Type
CB	Cable
BR	Rod
	04
	05
	06
	08
	10
	12
	16

DRAWING STATUS

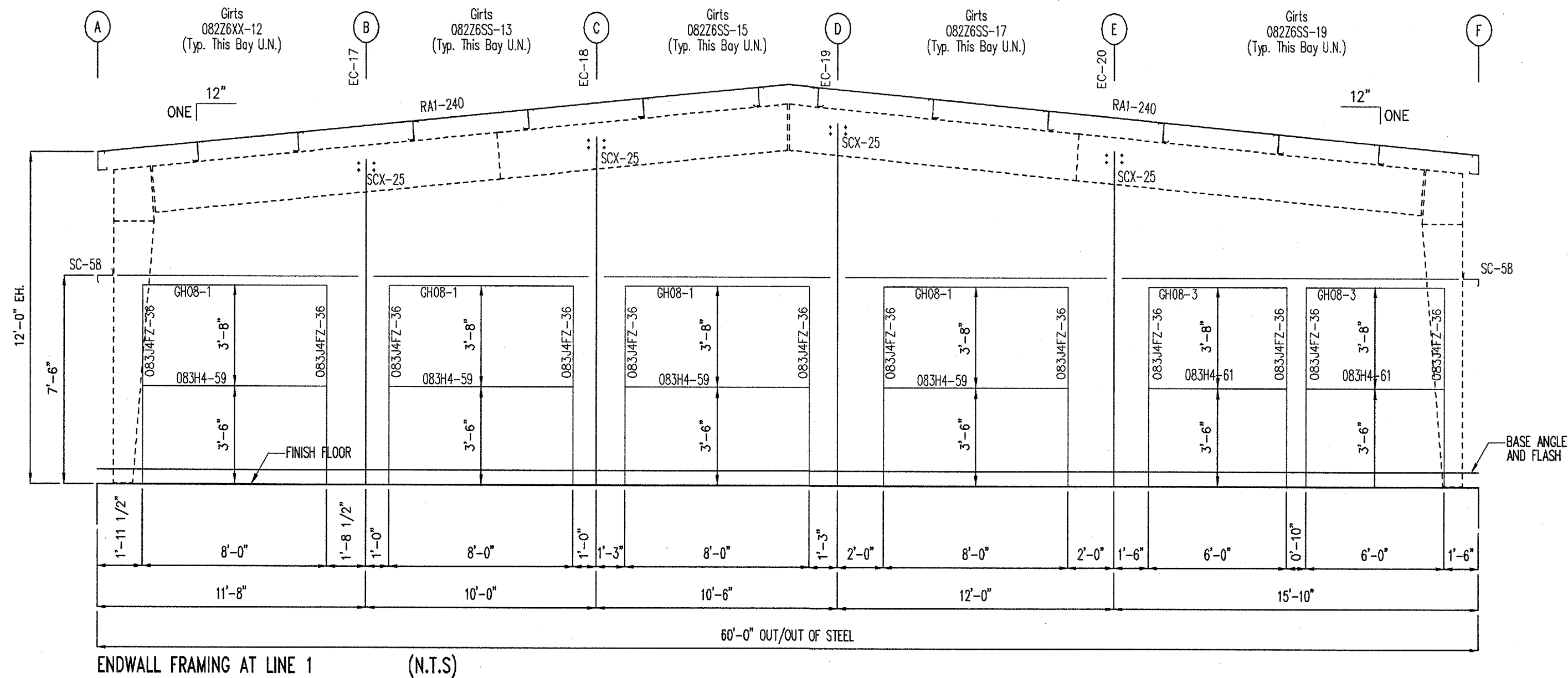
☐	For Approval:
☐	For Construction Permit:
☒	For Erector Installation:

ISSUE	DATE	DESCRIPTION	BY	CHKD
A	7-14-09		DEH	DGW
0	8-18-09	FOR ERECTOR INSTALLATION	EA	

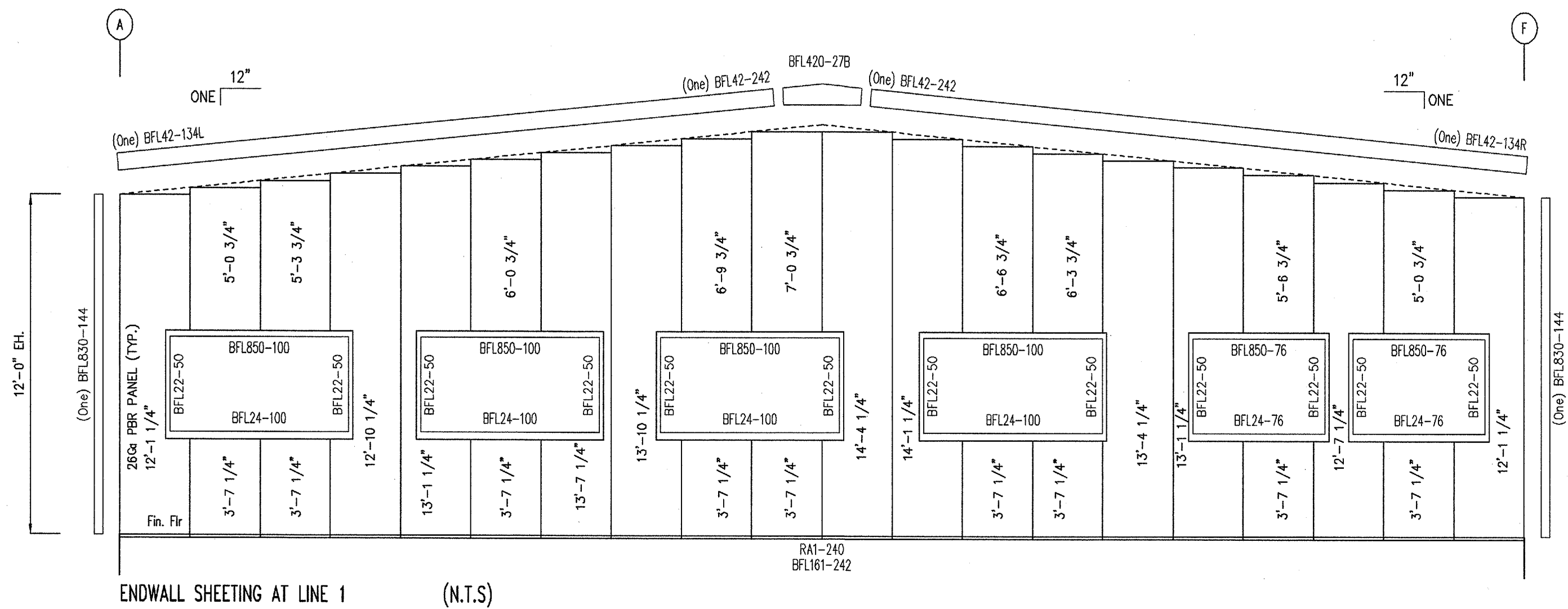
metallic building company		7301 FAIRVIEW, HOUSTON, TEXAS, P.O. BOX 40338 ZIP 77041 (713) 466-7788 ZIP 77240	
Project: MONTESSA PARK LAB FACILITY		Owner: MONTESSA PARK LABORATORY FACILITY	
Customer: CLOVIS METAL BUILDINGS		Location: ALBUQUERQUE, NM	
CAD	Date	Scale	Phase
		N.T.S.	-
Building ID	Job Number	Sheet Number	Issue
A	2105-245197	E1 of 8	0

Handwritten notes and signatures in the bottom right corner.

MEMBER DATA			
Column data is listed from Base to Eave - Rafter data is listed from Eave to Ridge (High Side)			
Mark	Outside Flange	Web	Inside Flange
Col (EC-17)	W 8 x 10		
Col (EC-18)	W 8 x 10		
Col (EC-19)	W 8 x 10		
Col (EC-20)	W 8 x 10		



NOTE:
FIELD CUT PANELS AS REQUIRED.



These drawings and the metal building they represent are the product of Metallic Building Company or another division or affiliate of NCI Group Inc. - 7301 Fairview, Houston, TX 77041. The engineer whose seal appears hereon is employed by Metallic Building Company or another division or affiliate of NCI Group Inc. and is not the engineer of record for this project.

How to read part marks for:				DRAWING STATUS				ISSUE				DESCRIPTION				BY			
Purlins, Girts, Eave Struts, Jamb, Headers	DEPTH ID	SHAPE ID	THK ID	How to read part marks for:				ISSUE	DATE	DESCRIPTION				BY	CKD	DESCRIPTION			
	ID	Depth	ID	ID	Description	ID	THK	ID	Type	ID	Dia	For Approval:				DEH			
	08	0'-8"	22	2 1/8 x 2 3/8 Zee	SEL	3 x 5 Eave Strut - Low Side	6	16	CA	04	1/4"	These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.				08-18-09			
	10	0'-10"	32	3 1/8 x 3 3/8 Zee	3EH	3 x 5 Eave Strut - High Side	5	15	CA	05	5/16"	For Construction Permit:							
	12	1'-0"	26	2 1/2 Cee	SEL	5 x 5 Eave Strut - Low Side	4	14	CA	06	3/8"	For Erector Installation:							
	14	1'-2"	3C	3 1/2 Cee	3EH	5 x 5 Eave Strut - High Side	3	13	CA	08	1/2"								
			3J	3 1/2 Cee Jamb			2	12	CA	10	5/8"								
			3H	3 1/2 Cee Header/Sill						12	3/4"								
										16	1"								
All letters and/or number which may appear after "Thickness ID" are for internal use only				All letters and/or number which may appear after "Diameter ID" are for internal use only															
1-30-07																			



metallic building company

7301 FAIRVIEW, HOUSTON, TEXAS, P.O. BOX 40338
ZIP 77041 (713) 468-7788 ZIP 77240

Project: MONTESSA PARK LAB FACILITY

Customer: CLOVIS METAL BUILDINGS

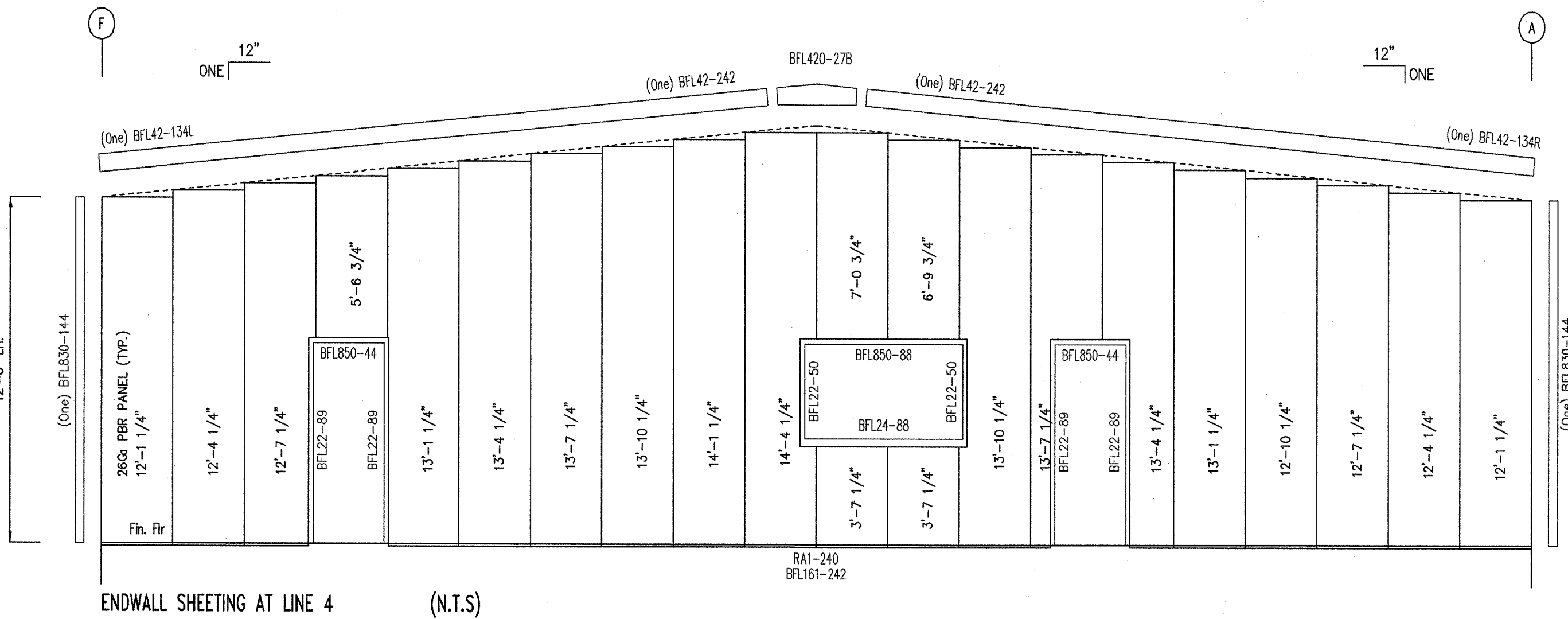
Owner: MONTESSA PARK LABORATORY FACILITY

Location: ALBUQUERQUE, NM

CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	-	A	2105-245197	E4 of 8	0

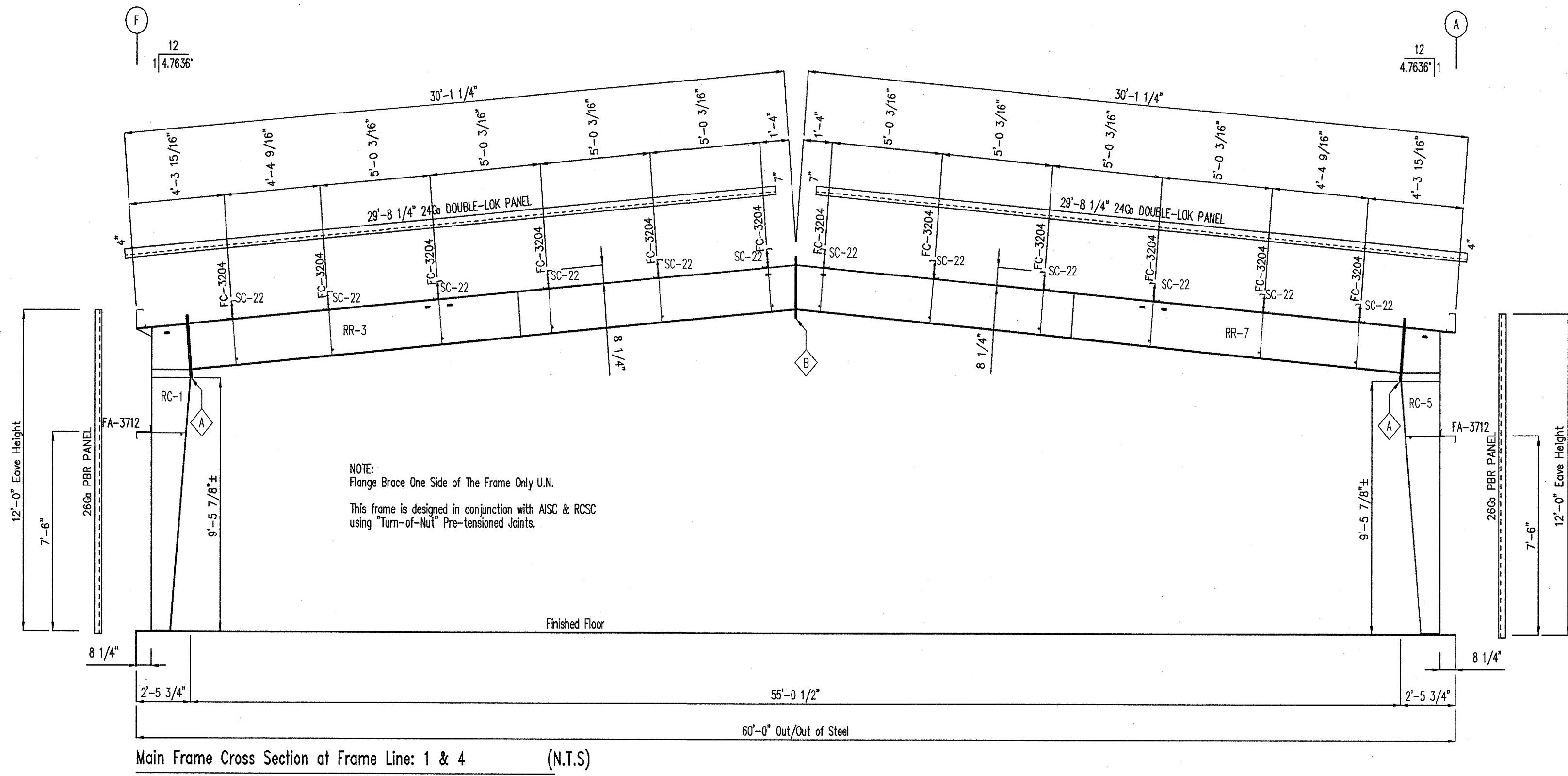
Handwritten signature and date: 10/20/2010

NOTE:
FIELD CUT PANELS AS REQUIRED.

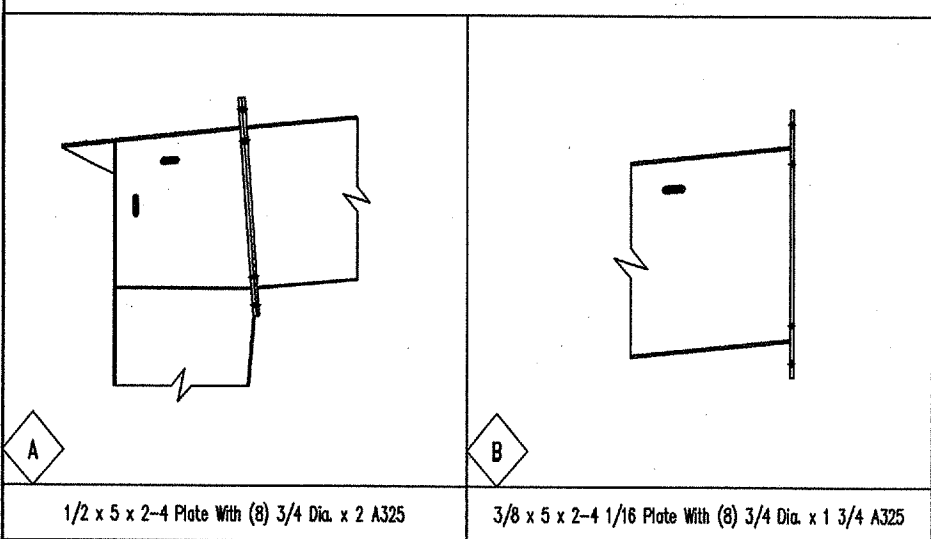


How to read part marks for:				SHAPE ID				THK ID		How to read part marks for:				DRAWING STATUS				ISSUE		DATE		DESCRIPTION		BY		OK'D		METALLIC												
ID	Depth	ID	Description	ID	Description	ID	THK	ID	THK	ID	Type	ID	Dia	☐ For Approval: These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.										ISSUE	DATE			BY	OK'D	metallic building company 7301 FAIRVIEW, HOUSTON, TEXAS, P.O. BOX 40338 ZIP 77041 (713) 466-7788 ZIP 77240										
08	0'-0"	2Z	2 1/8 x 2 3/8 Zee	SEL	3 x 5 Eave Strut - Low Side	6	16 GA				CB	Cable	04	1/4"	☐ For Construction Permit: These drawings, being For Construction Permit, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.										A	7-14-09			DEH	DGW										
10	0'-10"	3Z	3 1/8 x 3 3/8 Zee	SEH	3 x 5 Eave Strut - High Side	5	15 GA				BR	Rod	05	5/16"											0	8-18-09	FOR ERECTOR INSTALLATION		EA											
12	1'-0"	2C	2 1/2 Cee	SEL	5 x 5 Eave Strut - Low Side	4	14 GA						06	3/8"																										
14	1'-2"	3C	3 1/2 Cee	SEH	5 x 5 Eave Strut - High Side	3	13 GA						08	1/2"																										
		3J	3 1/2 Cee Jamb			2	12 GA						10	5/8"																										
		3H	3 1/2 Cee Header/Sill										12	3/4"																										
													16	1"																										

MEMBER DATA			
Column data is listed from Base to Eave - Rafter data is listed from Eave to Ridge (High Side)			
Mark	Outside Flange	Web	Inside Flange
Col (RC-1)	1/4 x 5	10 GA x 10 to 21	1/4 x 5
Col (RC-5)	1/4 x 5	10 GA x 10 to 21	1/4 x 5
Raf (RR-3)	1/4 x 5	10 GA x 20	1/4 x 5
	1/4 x 5 x 12-7 15/16	10 GA x 20 x 12-7 15/16	1/4 x 5 x 12-7 15/16
Raf (RR-7)	1/4 x 5	10 GA x 20	1/4 x 5
	1/4 x 5 x 12-7 15/16	10 GA x 20 x 12-7 15/16	1/4 x 5 x 12-7 15/16



The framing as shown at this elevation is not designed for future expansion.
Corresponding frame reactions are calculated based upon actual tributary area.
F.L. 1 & 4 CROSS SECTIONS



DRAWING STATUS		ISSUE	DATE	DESCRIPTION	BY	CHK'D
☐	For Approval:	A	7-14-09		DEH	DGW
☐	For Construction Permit:	0	8-18-09	FOR ERECTOR INSTALLATION	EA	
☒	For Erector Installation:					

metallic building company

7301 FAIRVIEW, HOUSTON, TEXAS, P.O. BOX 40338
ZIP 77041 (713) 466-7788 ZIP 77240

Project: MONTESSA PARK LAB FACILITY

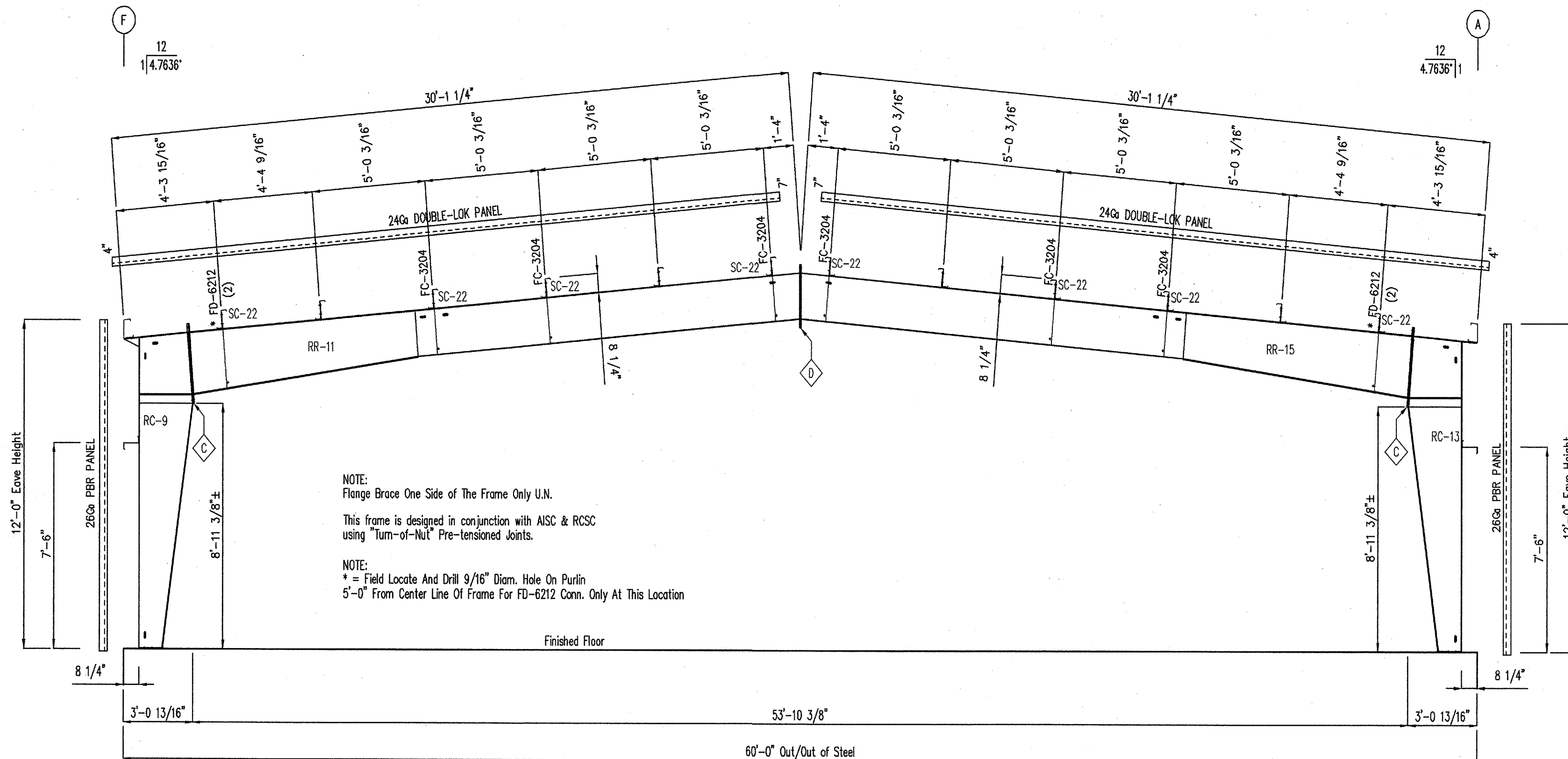
Customer: CLOVIS METAL BUILDINGS Owner: MONTESSA PARK LABORATORY FACILITY

Location: ALBUQUERQUE, NM

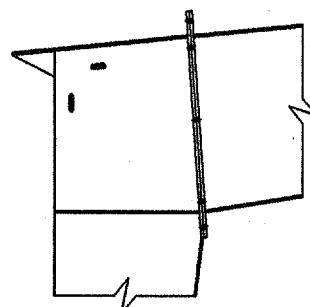
CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	-	A	2105-245197	E6 of 8	0

Printed
Sep 20 2010

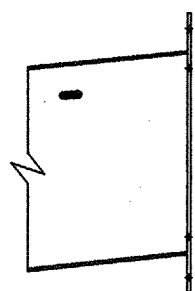
MEMBER DATA			
Column data is listed from Base to Eave - Rafter data is listed from Eave to Ridge (High Side)			
Mark	Outside Flange	Web	Inside Flange
Col (RC-9)	1/4 x 6	3/16 x 12 to 28	5/16 x 6
Col (RC-13)	1/4 x 6	3/16 x 12 to 28	5/16 x 6
Raf (RR-11)	1/4 x 5	3/16 x 27 to 20	5/16 x 5
	1/4 x 5 x 10-0	10 GA x 20 x 10-0	1/4 x 5 x 10-0
	1/4 x 5 x 7-1 1/2	10 GA x 20 x 7-1 1/2	1/4 x 5 x 7-1 1/2
Raf (RR-15)	1/4 x 5	3/16 x 27 to 20	5/16 x 5
	1/4 x 5 x 10-0	10 GA x 20 x 10-0	1/4 x 5 x 10-0
	1/4 x 5 x 7-1 1/2	10 GA x 20 x 7-1 1/2	1/4 x 5 x 7-1 1/2



Main Frame Cross Section at Frame Lines: 2, & 3 (N.T.S.)



1/2 x 6 x 2-11 Plate With (10) 3/4 Dia. x 2 A325



3/8 x 5 x 2-4 1/16 Plate With (8) 3/4 Dia. x 1 3/4 A325

DRAWING STATUS

- ☐ For Approval:
These drawings, being For Approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "For Erector Installation" can be considered as complete.
- ☐ For Construction Permit:
- ☒ For Erector Installation:

ISSUE	DATE	DESCRIPTION	BY	CHKD
A	7-14-09		DEH	DGW
0	8-18-09	FOR ERECTOR INSTALLATION	EA	



metallic building company

7301 FAIRVIEW, HOUSTON, TEXAS, P.O. BOX 40338
ZIP 77041 (713) 466-7786 ZIP 77240

Project: MONTESSA PARK LAB FACILITY

Customer: CLOVIS METAL BUILDINGS

Owner: MONTESSA PARK LABORATORY FACILITY

Location: ALBUQUERQUE, NM

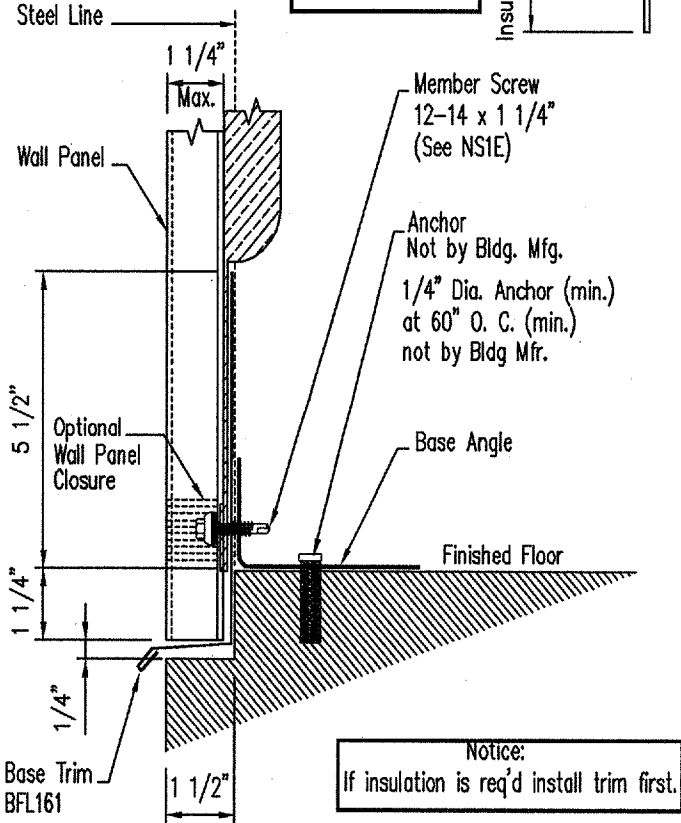
CAD	Date	Scale	Phase	Building ID	Job Number	Sheet Number	Issue
		N.T.S.	-	A	2105-245197	E7 of 8	0

These drawings and the metal building they represent are the product of Metallic Building Company or another division or affiliate of NCI Group Inc. - 7301 Fairview, Houston, TX 77041. The engineer whose seal appears hereon is employed by Metallic Building Company or another division or affiliate of NCI Group Inc. and is not the engineer of record for this project.

240-20-20-0

Notice:
A minimum of 1/4" space should be allowed from the end of the wall panel to any concrete surface.

Remove insulation from vinyl backing. Insulation must not be exposed to weather.



Base Angle Section

6-18-07 With Panel Recess With Base Trim

Nominal Bolt Size, Inches	Minimum Tension ^a in 1000's of Pounds (kips)	
	A325 Bolts	A490 Bolts
1/2	12	15
5/8	19	24
3/4	28	35
7/8	39	49
1	51	64
1 1/8	56	80
1 1/4	71	100
1 3/8	85	121
1 1/2	103	148

^aEquals to 70 percent of specified minimum tensile strengths of bolts (as specified in ASTM Specifications for tests of full size A325 and A490 bolts with UNC threads loaded in axial tension) rounded to the nearest kip.

Table 4. Fastener Tension Required for Slip-critical Connection & Connections Subject to Direct Tension

Disposition of Outer Face of Bolted Parts			
Bolts length (under side of head to end of bolt)	Both faces normal to bolt axis	One face normal to bolt axis and other sloped not more than 1:20 (beveled washer not used)	Both faces sloped not more than 1:20 from normal to the bolt axis (beveled washer not used)
Up to and including 4 diameters	1/3 turn	1/2 turn	2/3 turn
Over 4 diameters but not exceeding 8 diameters	1/2 turn	2/3 turn	5/6 turn
Over 8 diameters but not exceeding 12 diameters	2/3 turn	5/6 turn	1 turn

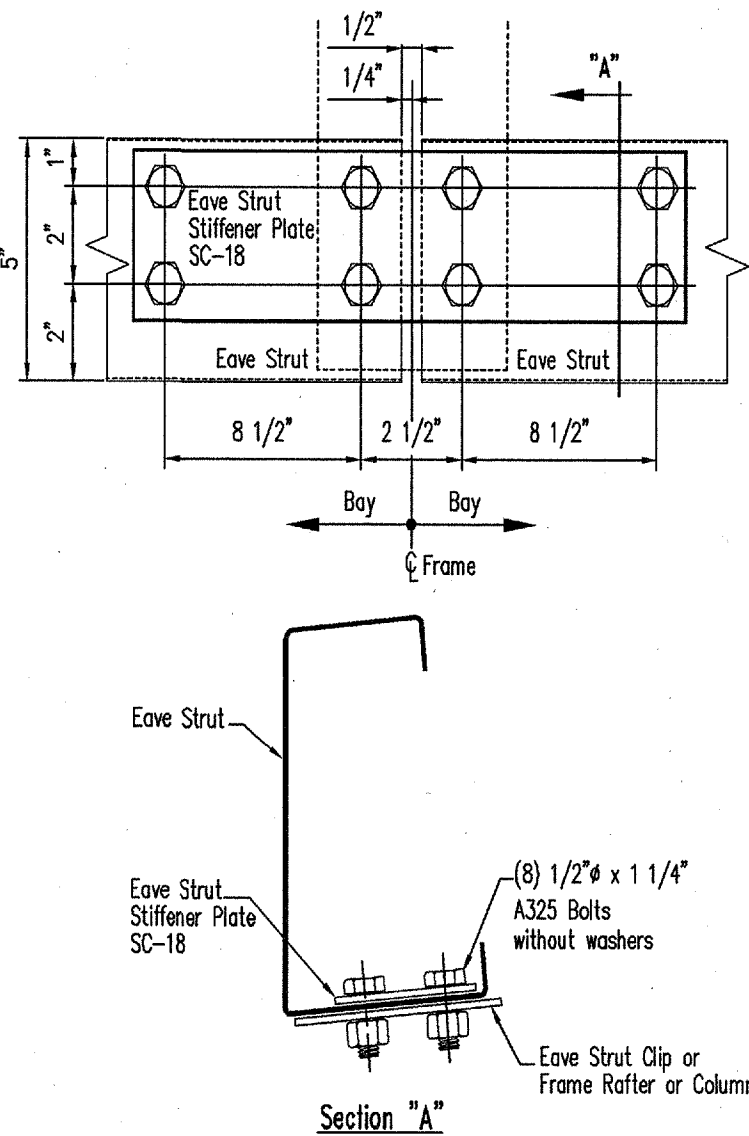
^aNut rotation is relative to bolt regardless of the element (nut or bolt) being turned. For bolts installed by 1/2 turn and less, the tolerance should be plus or minus 30 degrees; for bolts installed by 2/3 turn and more, the tolerance should be plus or minus 45 degrees.

^bApplicable only to connections in which all material within the grip of the bolt is steel.

^cNo research has been performed by the Council to establish the turn-of-nut procedure for bolt lengths exceeding 12 diameters. Therefore, the required rotation must be determined by actual test in a suitable tension measuring device which simulates conditions of solidly fitted steel.

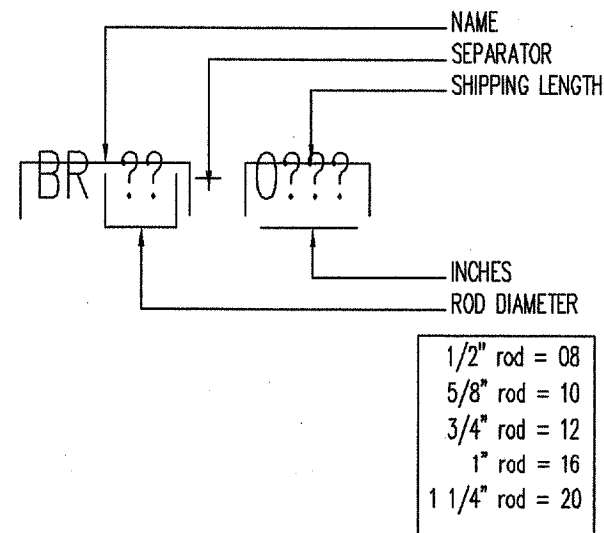
Table 5. Nut Rotation from Snug Tight Condition^{a,b}

6/02/06



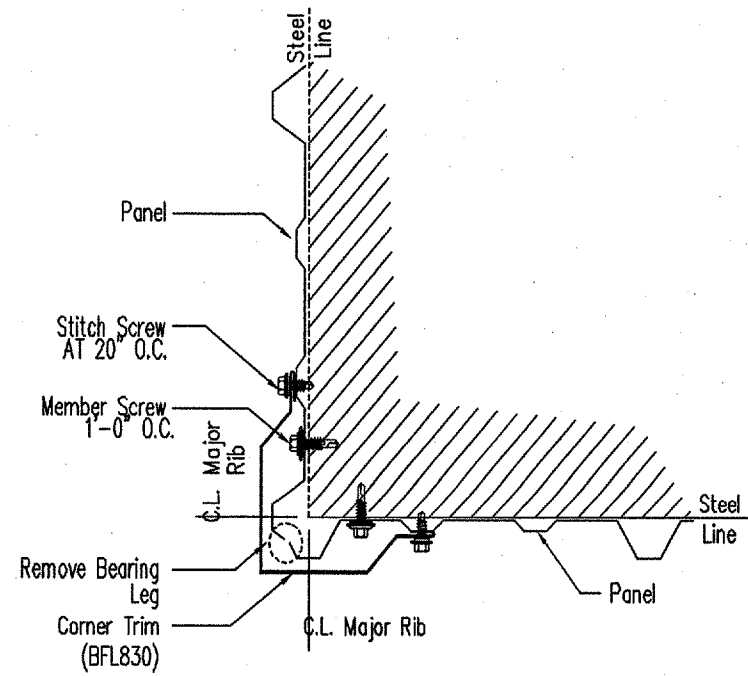
Eave Strut Stiffener Plate

5-22-07 Low Eave



ROD BRACING INFORMATION

10/06/05



"PBR" Panel Outside Corner Trim

1-28-05

NS0062B

CONNECTION BOLTS

Bolts used to make connections in primary framing members such as columns and rafters are usually ASTM A325 bolts. Bolts used to make connections in secondary framing members such as the purins are usually ASTM A307 bolts. The size and grade of the bolts are marked on the Building Construction Drawings.

The following information is copied from the AISC ninth edition, "Specification For Structural Joints Using ASTM A325 or A490 Bolts". This is provided to you only as a guide. It is the responsibility of you as the installer to assure proper tightness of all bolts.

TURN-OF-NUT TIGHTENING

When turn-of-nut tightening is used, hardened washers are not required except (as otherwise indicated on the Construction Drawings.)

A representative sample of not less than three bolts and nuts of each diameter, length, and grade to be used in the work shall be checked at the start of work in a device capable of indicating bolt tension. The test shall demonstrate that the method of estimating the snug-tight condition and controlling turns from snug tight to be used by the bolting crews develops a tension not less than five percent greater than the tension required by Table 4.

Bolts shall be installed in all holes of the connection and brought to a snug tight condition. Snug tight is defined as the tightness that exists when the plies of the joint are in firm contact. This may be attained by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench. Snug tightening shall progress systematically from the most rigid part of the connection to the free edges, and then the bolts of the connection shall be retightened in a similar systematic manner as necessary until all bolts are simultaneously snug tight and the connection is fully compacted. Following the initial operation all bolts in the connection shall be tightened further by the applicable amount of rotation specified in Table 5. During the tightening operation there shall be no rotation of the part not turned by the wrench. Tightening shall progress systematically from the most rigid part of the joint to its free edges. Impact wrenches, if used, shall be of adequate capacity and sufficiently supplied with air to perform the required tightening of each bolt in approximately 10 seconds.

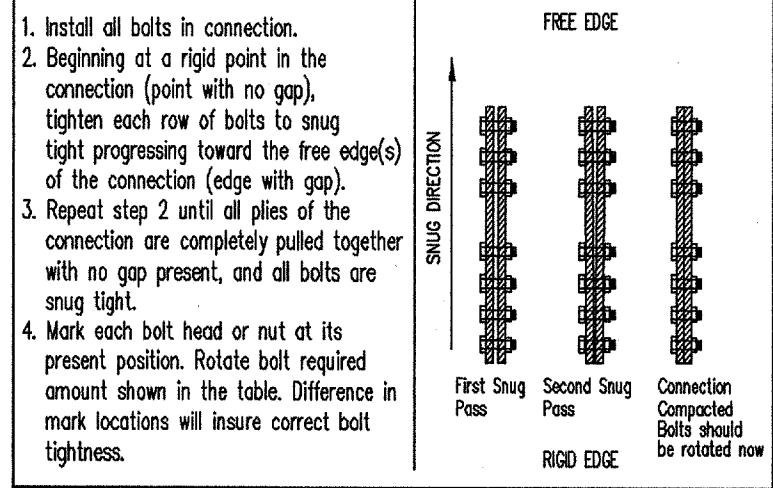
Bolt Tightening

6/02/06

NS0238

NS0238A

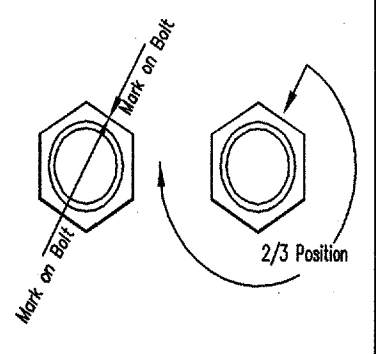
Turn-of- Nut Sequence Order



Turn-of- Nut Sequence Order

When connection is compacted and bolt is snug:

1. Mark nut and bolt location with keel or chalk.
2. Rotate nut as required per chart conditions.
3. Finished mark locations are proof that bolts have been properly tightened.



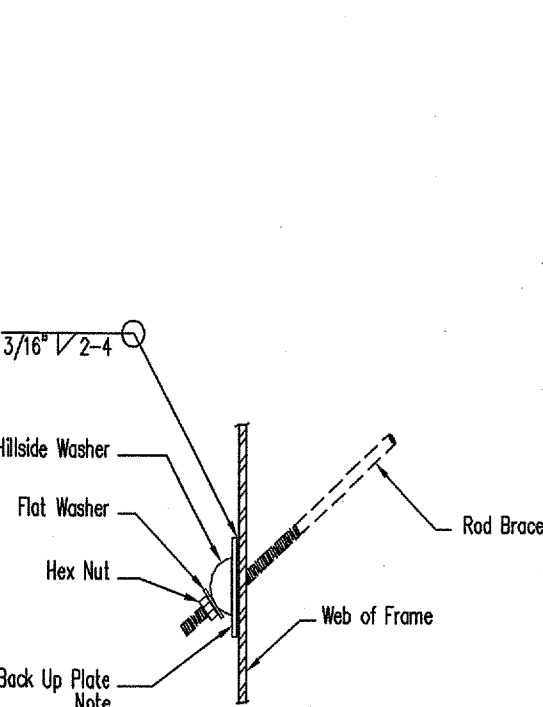
Turn-of- Nut Procedure

5/25/06

NS0238B

NS0088A

Rod Brace to Frame Connection



Rod Brace to Frame Connection

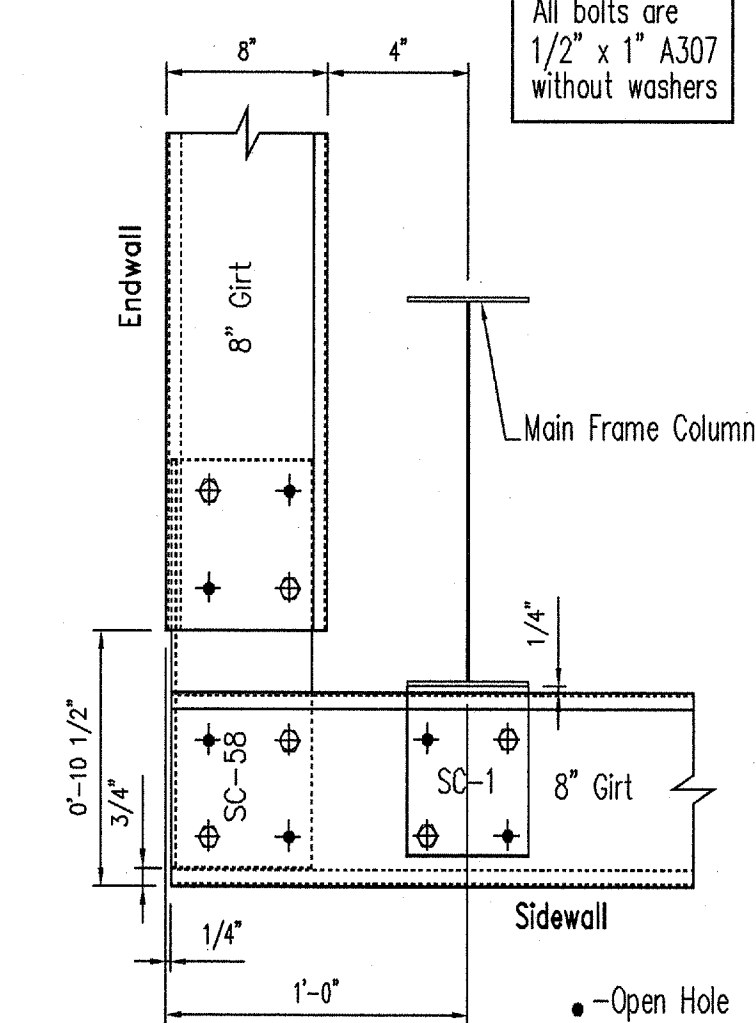
Note: Shop welded Back Up Plate may be located at either side of the web. (If Required By Design)

12/12/01

NS0053A

NS0053D

Corner Detail For Bypass Sidewall-Flush Endwall



Corner Detail For Bypass Sidewall-Flush Endwall

10/06/05

NS0980X

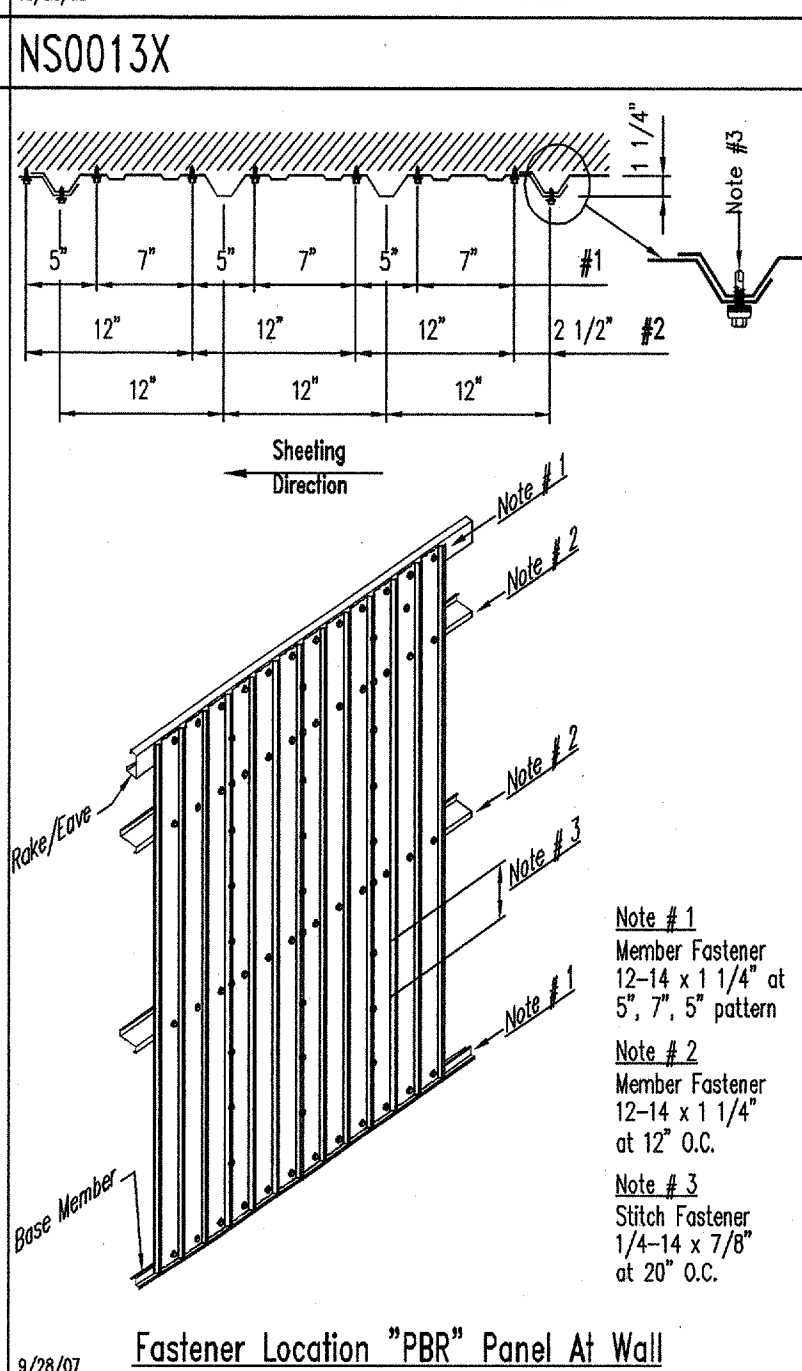
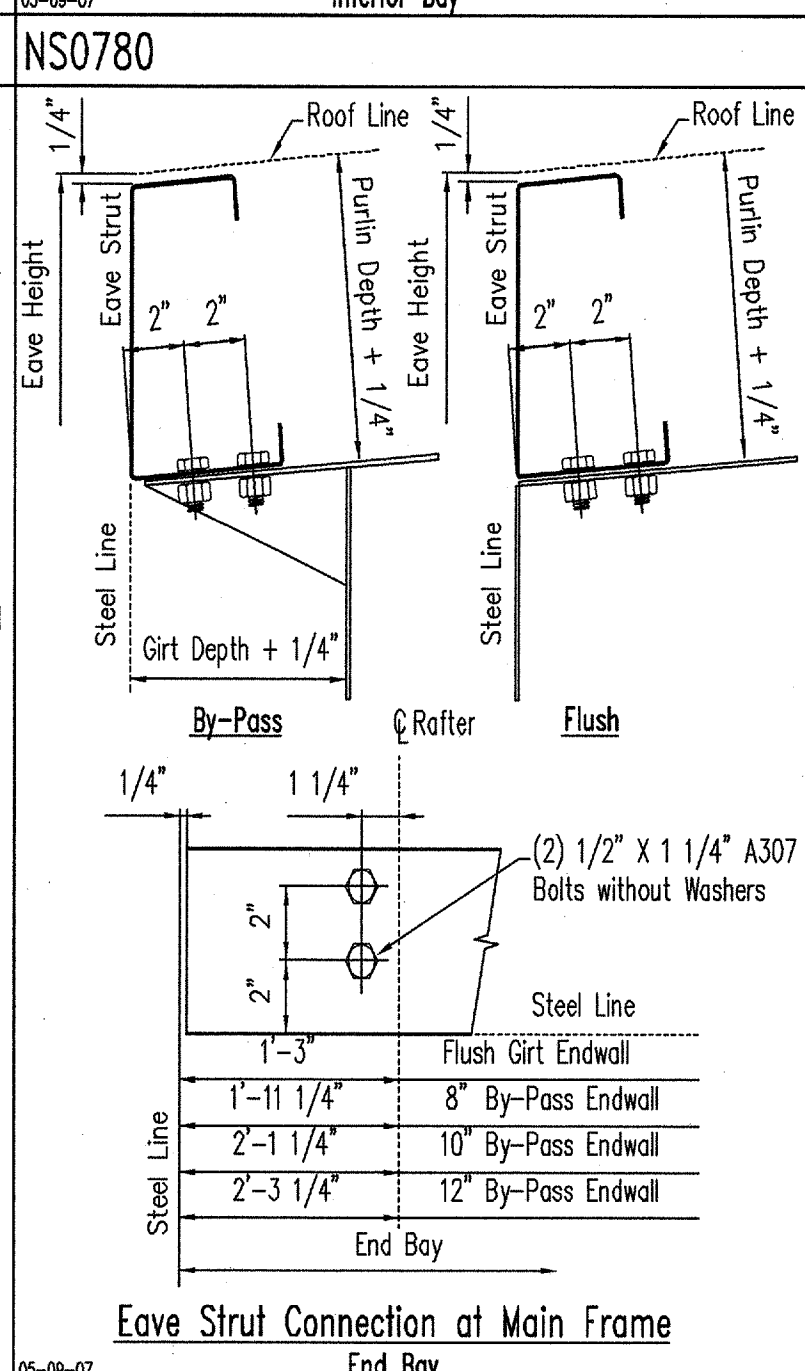
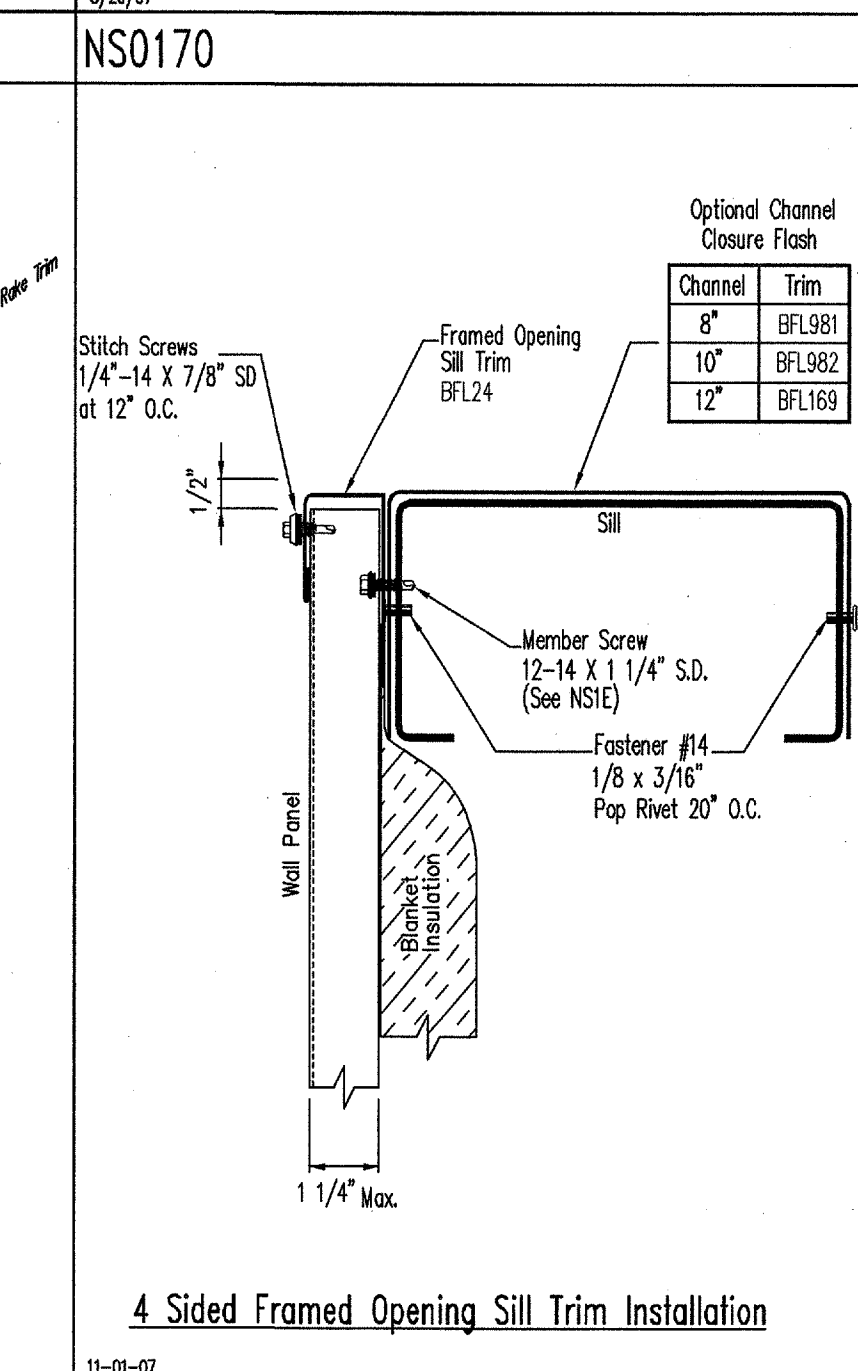
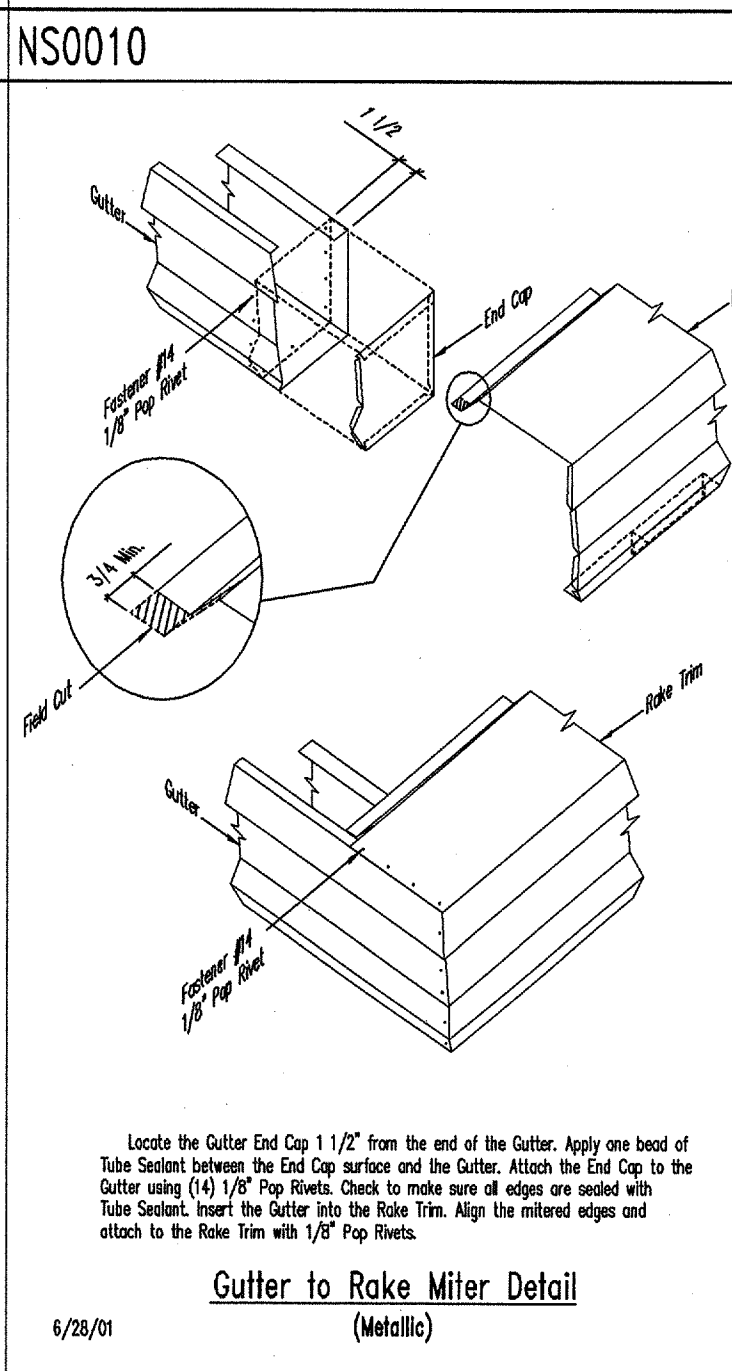
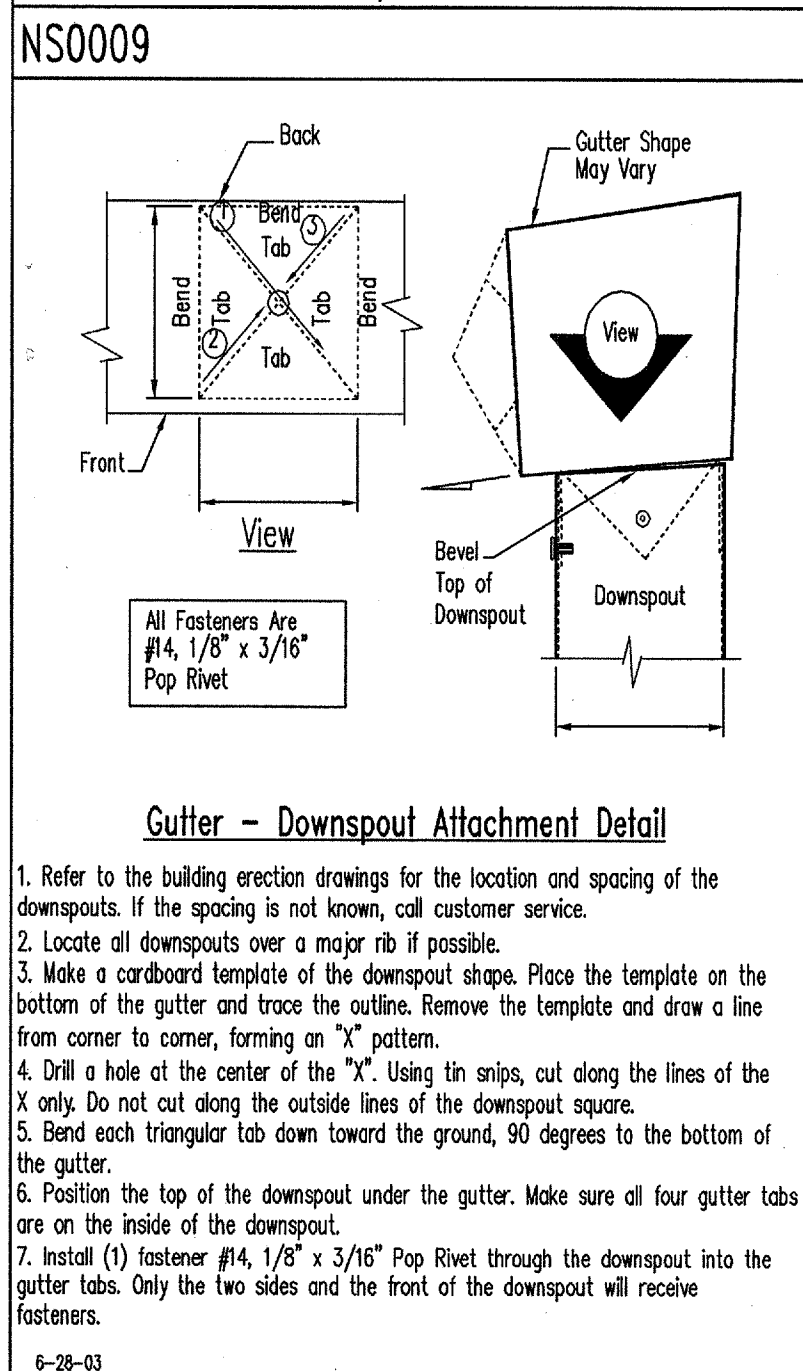
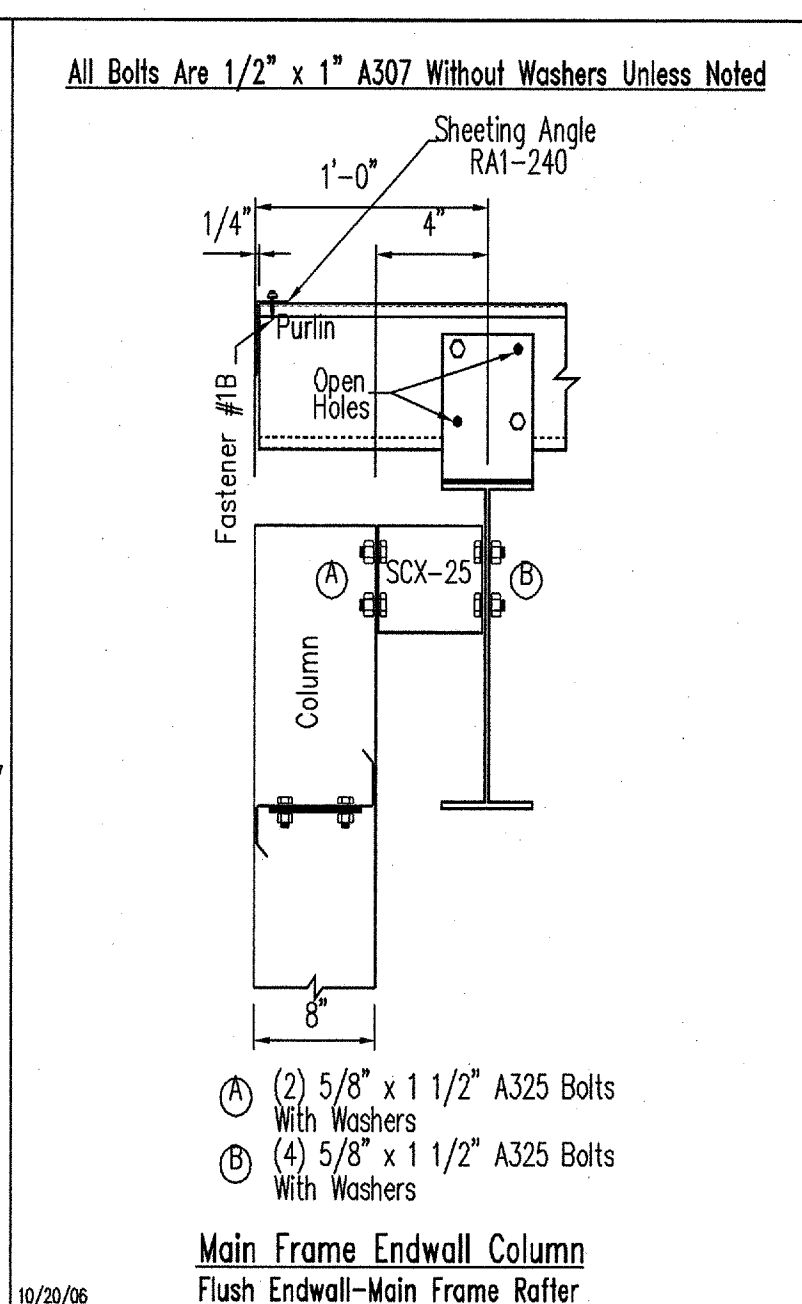
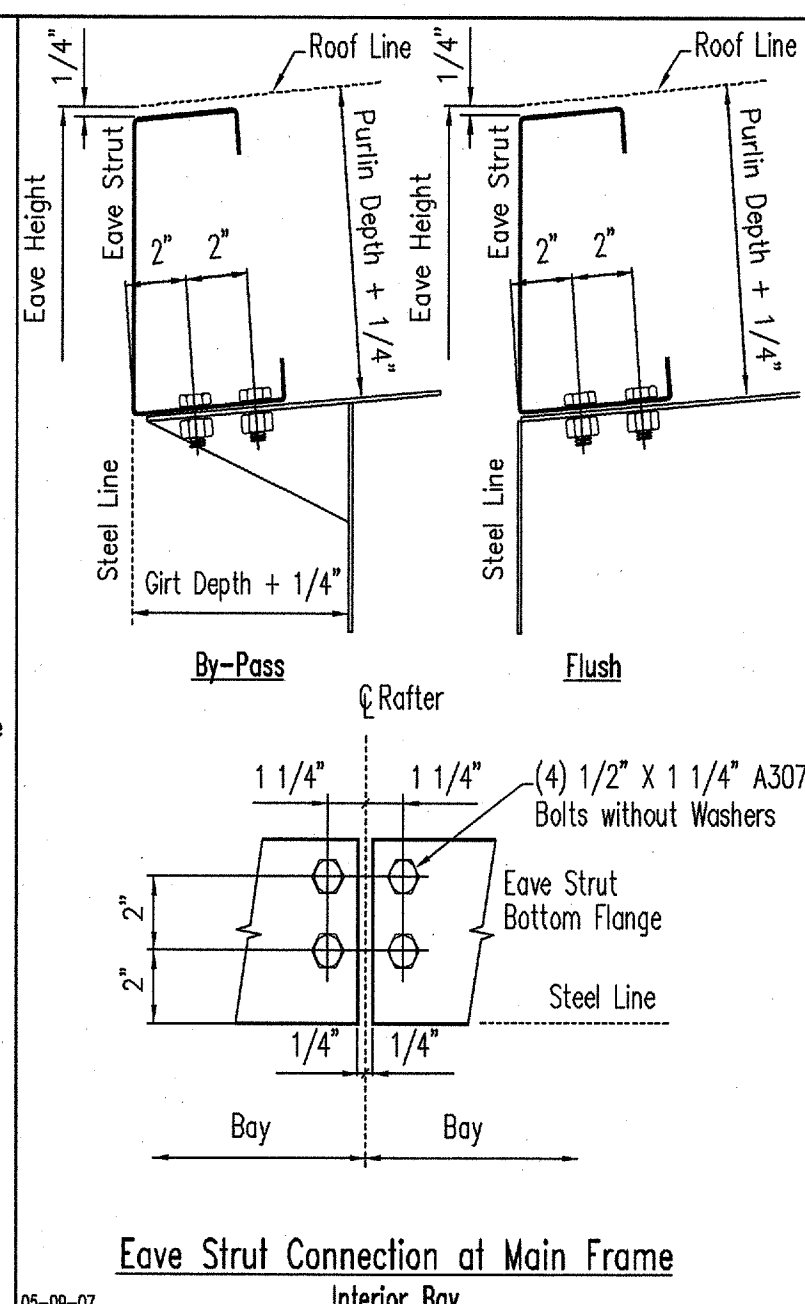
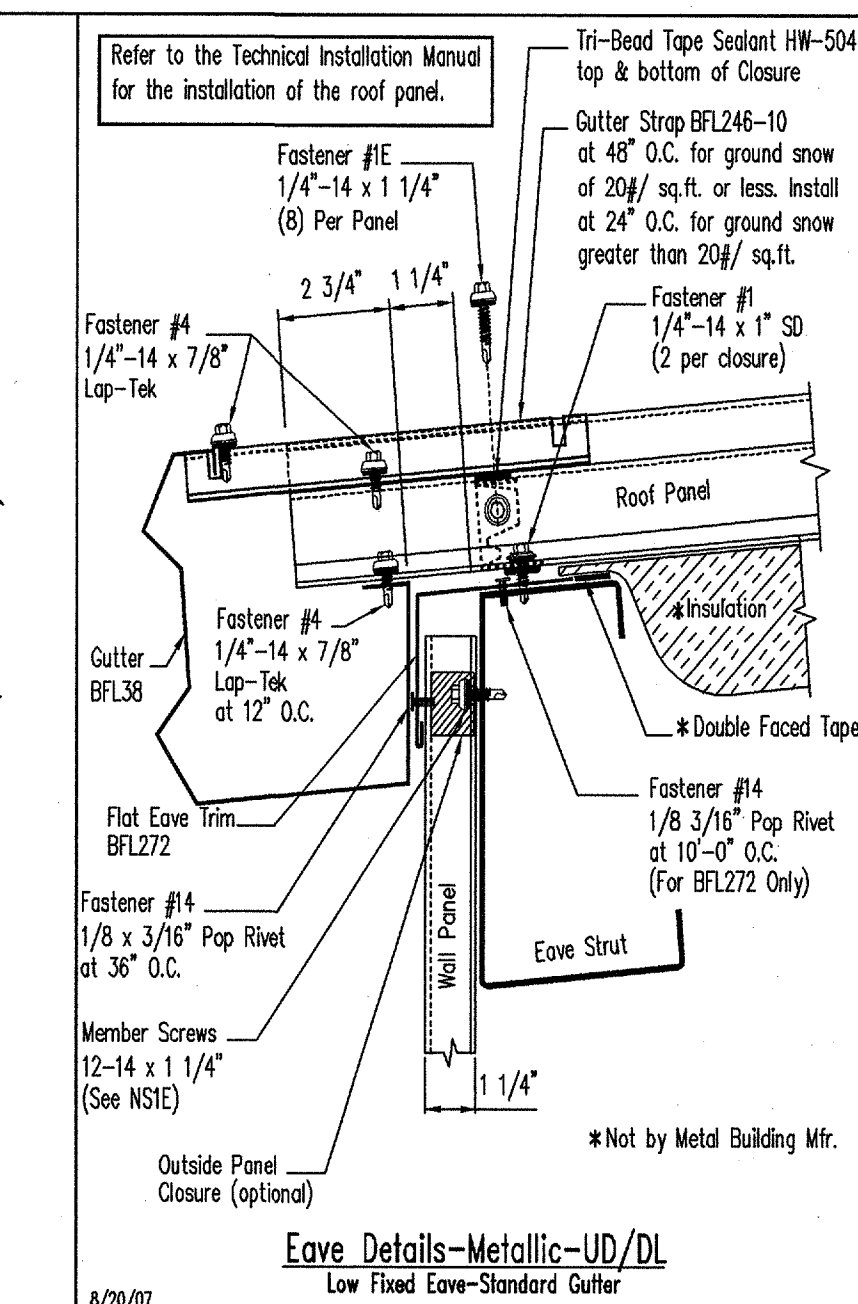
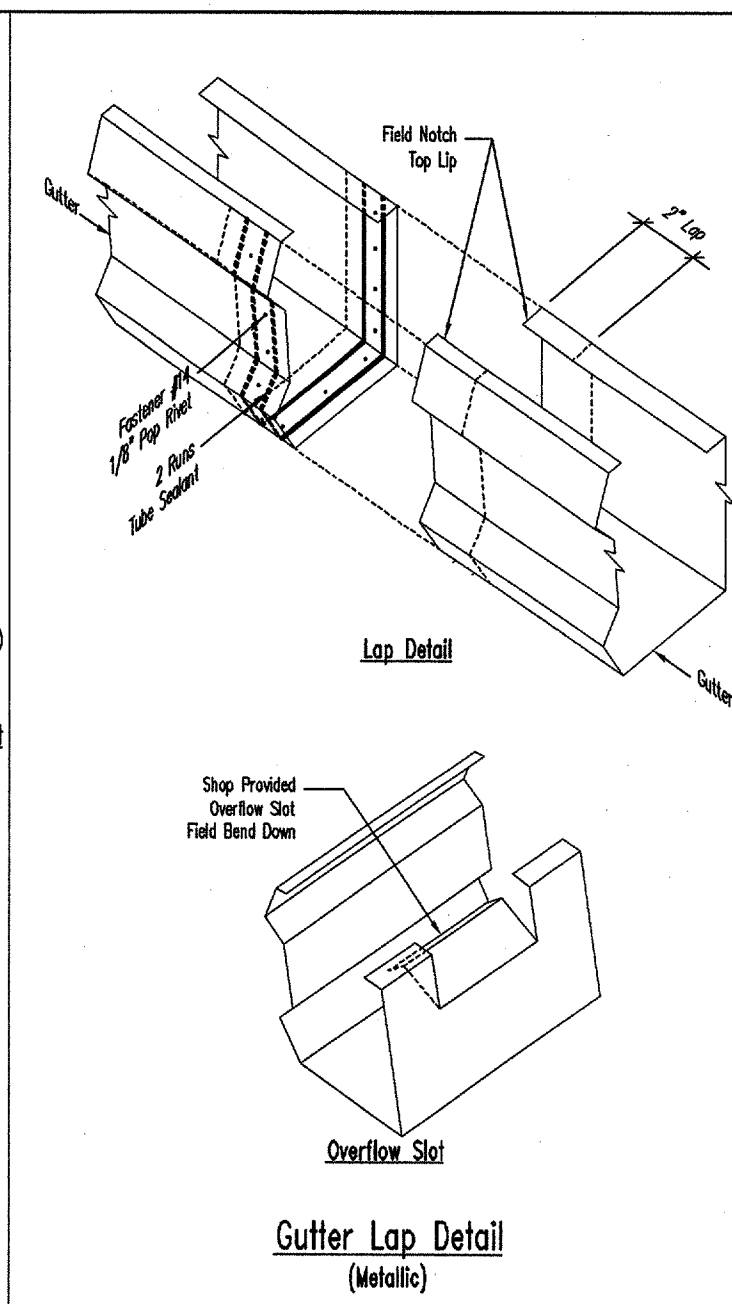
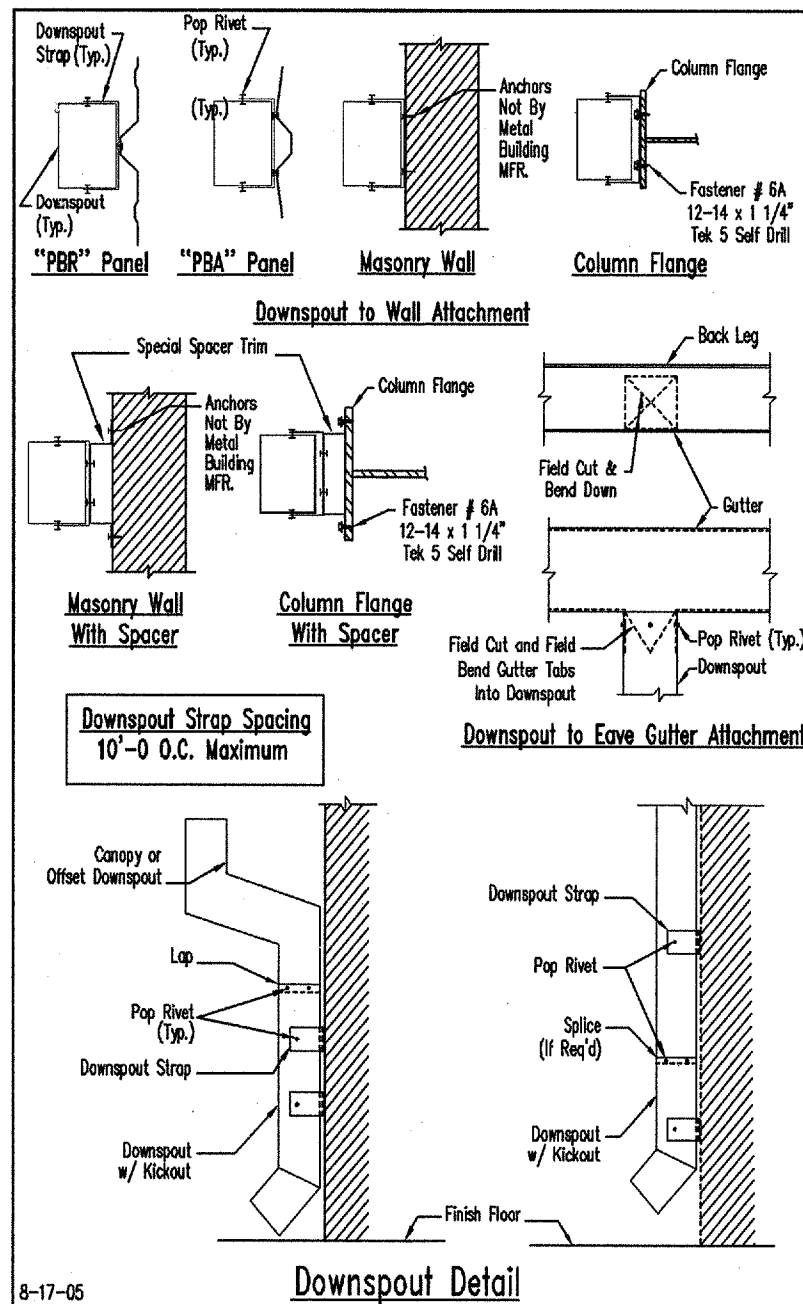
NS0015

NOTE:
1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.
ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting. If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHK'D
7-14-09			DEH	DGW
0	8-18-09	FOR ERECTOR INSTALLATION	EA	

Standard Details

Customer: CLOWS METAL BUILDINGS				
End User: MONTESSA PARK LABORATORY FACILITY				
Location: ALBUQUERQUE, NM				
Det. By	Chk By	Date	Scale	Building ID
			N.T.S.	A
Job Number		Sheet Number	Issue	
2105-245197		NS-1	0	



NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting. If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting. If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting. If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHK'D
1	7-14-09		DEH	DGW
2	8-18-09	FOR ERECTOR INSTALLATION	EA	

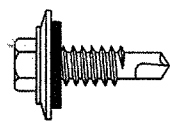
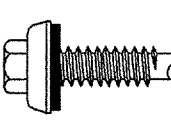
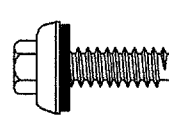
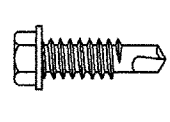
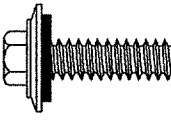
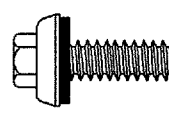
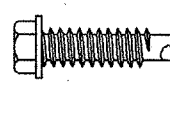
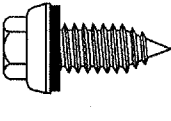
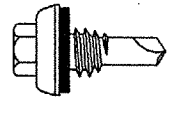
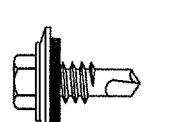
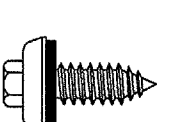
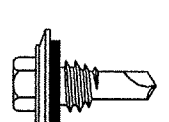
Standard Details

Customer: CLOWS METAL BUILDINGS

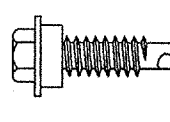
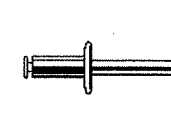
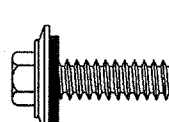
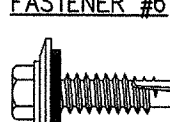
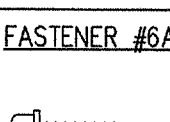
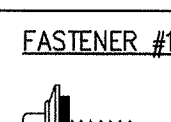
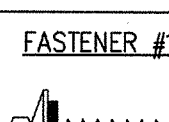
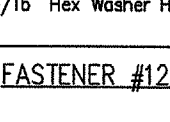
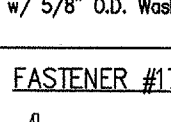
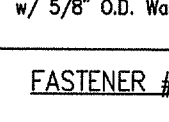
End User: MONTESSA PARK LABORATORY FACILITY

Location: ALBUQUERQUE, NM

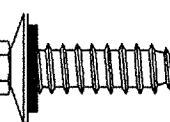
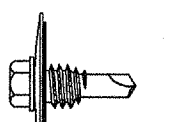
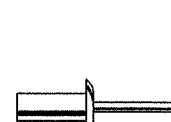
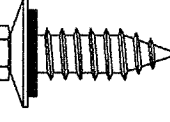
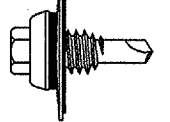
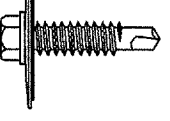
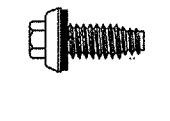
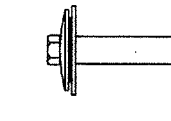
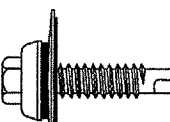
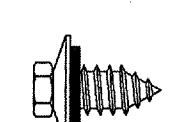
Det. By	Chk By	Date	Scale	Building ID	Job Number	Sheet Number	Issue
			N.T.S.	A	2105-245197	NS-2	0

FASTENER #1  1/4"-14 x 1" Driller 5/16" Hex Washer Head w/ 5/8" O.D. Washer	FASTENER #1E  1/4"-14 x 1 1/4" Long Life Driller 5/16" Hex Washer Head w/ Sealing Washer	FASTENER #3  12-14 x 1 1/4" Long Life Driller 5/16" Hex Washer Head w/ Sealing Washer
FASTENER #1A  12-14 x 1" Driller 5/16" Hex Washer Head	FASTENER #1F  1/4"-14 x 1 1/2" Driller 5/16" Hex Washer Head w/ 5/8" O.D. Washer	FASTENER #3A  12-14 x 1 1/2" Long Life Driller 5/16" Hex Washer Head w/ Sealing Washer
FASTENER #1B  1/4"-14 x 1 1/4" Driller 5/16" Hex Washer Head	FASTENER #2A  17 x 1" Long Life AB 5/16" Hex Washer Head w/ Sealing Washer	FASTENER #4  1/4"-14 x 7/8" Long Life Lap TEK 5/16" Hex Washer Head w/ Sealing Washer
FASTENER #1C  1/4"-14 x 3/4" Driller 5/16" Hex Washer Head w/ 5/8" O.D. Washer	FASTENER #2B  1/4"-14 x 1" Long Life AB 5/16" Hex Washer Head w/ Sealing Washer	FASTENER #4A  1/4"-14 x 7/8" Lap TEK 5/16" Hex Washer Head w/ 5/8" O.D. Washer

NS0823

FASTENER #5  1/4"-14 x 1 1/4" Shoulder TEK 2 5/16" Hex Head	FASTENER #14  1/8" x 3/16" Pop Rivet	FASTENER #17B  12-14 x 1 1/2" Driller 5/16" Hex Washer Head w/ 5/8" O.D. Washer
FASTENER #6  12-24 x 1 1/4" TEK 5 5/16" Hex Washer Head w/ 5/8" O.D. Washer	FASTENER #14A  1/8" x 3/8" Pop Rivet SS	FASTENER #18A  14 x 3/4" TYPE A 5/16" Hex Washer Head w/ 5/8" O.D. Washer
FASTENER #6A  12-24 x 1 1/4" TEK 5 5/16" Hex Washer Head	FASTENER #17  12-14 x 1" Driller 5/16" Hex Washer Head w/ 5/8" O.D. Washer	FASTENER #18B  14 x 1 1/2" TYPE A 5/16" Hex Washer Head w/ 5/8" O.D. Washer
FASTENER #12A  12 x 1 Pancake Driller Self Driller 8/1/08	FASTENER #17A  12-14 x 1 1/4" Driller 5/16" Hex Washer Head w/ 5/8" O.D. Washer	FASTENER #24  8-18 x 5/8" Nibbed Driller

NS0823A

FASTENER #32  14 x 1 1/2" TYPE AB Long Life 5/16" Hex Washer Head w/ 5/8" O.D. Washer	FASTENER #44  1/4"-14 x 7/8" Lap TEK 5/16" Hex Washer Head w/ 1 1/8" O.D. Washer	FASTENER #226  3/16" x 9/16" Closed End Rivet
FASTENER #33  14 x 1 1/4" TYPE AB Long Life 5/16" Hex Washer Head w/ 5/8" O.D. Washer	FASTENER #44L  1/4"-14 x 7/8" Long Life Lap TEK 5/16" Hex Washer Head w/ 1 1/8" O.D. Washer	FASTENER #228  10 x 1/2" Grommet Washer
FASTENER #43  1/4"-14 x 1 1/4" Driller 5/16" Hex Washer Head w/ 1 1/8" O.D. Washer	FASTENER #46  1/4"-14 x 5/8" Long Life Type B 5/16" Hex Washer Head w/ Sealing Washer	FASTENER #HW399  #6 x 1" Rubber Grommet 1/4" Hex Head w/ Washer
FASTENER #43L  1/4"-14 x 1 1/4" Long Life Driller 5/16" Hex Washer Head w/ 1 1/8" O.D. Washer	FASTENER #66  14 x 3/4" Type AB Long Life 5/16" Hex Washer Head w/ 5/8" O.D. Washer	

NS0823B

Example:

Diameter Length Head Type Material Finish

#12-14 x 1-1/4" Type 3 HWH, Self-Drilling, Carbon Steel, .0005 Minimum Zinc PLate

Threads Per Inch Point Fastener Type

Length

Diameter

Point (Long Pilot)

Head Type

Threads Per Inch

Self Drilling Fastener Terminology

NS0007

Self-drilling fasteners are designed to drill the material and tap the hole. Material thickness is an important consideration when determining the proper point diameter. The point diameter is described as the point TYPE. Point types are as follows:

TYPE 1: Light gauge application
TYPE 2: Medium light gauge application
TYPE 3: Medium gauge application
TYPE 4: Medium heavy gauge application
TYPE 5: Heavy gauge application

The point diameter allows the threads to tap into the material without excessive force which can break the shank, or very low force which can easily strip-out the material during seating torque. Each point type has a specific FLUTE length which allows the chip to escape from the hole during the drilling operation. Depending on the application, some drill screws require a special PILOT section. The pilot section is the area that is unthreaded on the drill point. The pilot area is important to the performance of the fastener. The reason for the pilot area is so that the drilling of the hole is completed before the threads engage. If the threads engage before the drilling is completed, the drill point will have a tendency to burn because the threads will force the point into the material.

Material Thickness: Drilling Point Capabilities

Material Thickness	Type 1 Light Duty	Type 2 Medium Duty	Type 3 Medium Duty	Type 4 Heavy Duty	Type 5 Heavy Duty
.500					
.312					
.250					
.110					
.098					

Point Type:

Type 1 Light Duty	Type 2 Medium Duty	Type 3 Medium Duty	Type 4 Heavy Duty	Type 5 Heavy Duty
#10 (.035-.090)	#6 (.035-.098)	#8 (.100-.140)	#12 (.145-.312)	#12 (.250-.500)
#12 (.035-.090)	#8 (.035-.100)	#10 (.110-.175)		
1/4" (.035-.090)	#10 (.090-.110)	#12 (.090-.210)		
#18 (.035-.098)	#12 (.050-.140)	1/4" (.110-.250)		

Drilling Tip Length Determination

The length of the tip required on a drilling fastener is determined by adding the thickness of the top material, any insulation or void between the top material and bottom material, and the thickness of the bottom material. If a hole larger than the screw thread has been pre-drilled or punched into the top material, only the thickness of the bottom material need be considered. (The threaded portion of the shank must be long enough to extend into and through the bottom material drilled.)

Drilling Tip Length Determination

Top Material
Void or
Bottom Material

to be Drilled
Insulation
to be Drilled

Total Thickness to be Drilled

Pre-drilled Hole Diameter
Larger than Screw threads

Drilled or Punched
Void or
Bottom Material

Top Material
Insulation
to be Drilled

Total Thickness to be Drilled

NS0007A

Standard Grade

Description	Fastener Number	Application
1/4"-14 x 7/8" Type 2	4A	Stitch & Trim Screw
12-14 x 1 1/4" Type 2	17A	Member Screw (Up To 4" Insulation)
12-14 x 1 1/2" Type 2	17B	Member Screw (Up To 6" Insulation)

Long Life

Description	Fastener Number	Application
1/4"-14 x 7/8" Type 1	4	Stitch & Trim Screw
12-14 x 1 1/4" Type 2	3	Member Screw (Up To 4" Insulation)
12-14 x 1 1/2" Type 2	3A	Member Screw (Up To 6" Insulation)

Self-Drilling Screw Application

Hot Roll Beams 2 1/2"

Girt

Built Up Plate 2 1/2"

Column

Field Band

Flange Brace

1/2" x 1" A307 Bolt w/o Washer

Hot Roll or Built Up Connection

Cold Form Connection

(2) Fasteners #4A 12-24 x 1 1/4" Tek 4.5

Flange Brace

Field Band

2"

NS0007B

By-Pass Web Bolted Flange Brace Detail

2 Bolts Unless Noted on Erection Drawings

Purlin-Girt Clip

Field Band

Flange Brace

2" x 2" x 1/4" See Cross Section for location

Without Liner

2 Bolts Unless Noted on Erection Drawings

Purlin-Girt Clip

Field Band

Flange Brace

2" x 2" x 1/4" See Cross Section for location

With Liner

Liner Clip

Zee	Clip
8"	SC-22
10"	SC-77
12"	SC-78

By-Pass Clip Bolted Flange Brace Detail

2 Bolts Unless Noted on Erection Drawings

Purlin / Girt Clip Shop Welded

Flange Brace Clip SC-280 PL1/4" x 4" x 0'-4" Shop Welded

1/2" x 1 1/4" A325 Bolts Without Washers Typ. each end

Without Liner

2 Bolts Unless Noted on Erection Drawings

Purlin / Girt Clip Shop Welded

Flange Brace Clip SC-280 PL1/4" x 4" x 0'-4" Shop Welded

1/2" x 1 1/4" A325 Bolts Without Washers Typ. each end

With Liner

Liner Clip

Zee	Clip
8"	SC-22
10"	SC-77
12"	SC-78

By-Pass Clip Bolted Flange Brace Detail

2 Bolts Unless Noted on Erection Drawings

Purlin / Girt Clip Shop Welded

Flange Brace Clip SC-280 PL1/4" x 4" x 0'-4" Shop Welded

1/2" x 1 1/4" A325 Bolts Without Washers Typ. each end

Without Liner

2 Bolts Unless Noted on Erection Drawings

Purlin / Girt Clip Shop Welded

Flange Brace Clip SC-280 PL1/4" x 4" x 0'-4" Shop Welded

1/2" x 1 1/4" A325 Bolts Without Washers Typ. each end

With Liner

Liner Clip

Zee	Clip
8"	SC-22
10"	SC-77
12"	SC-78

By-Pass Clip Bolted Flange Brace Detail

NS0007C

Flange Bracing Web Bolted

Hot Roll Beams 2 1/2"

Girt

Built Up Plate 2 1/2"

Column

Field Band

Flange Brace

1/2" x 1" A307 Bolt w/o Washer

Hot Roll or Built Up Connection

Cold Form Connection

(2) Fasteners #4A 12-24 x 1 1/4" Tek 4.5

Flange Brace

Field Band

2"

NS0006G

By-Pass Web Bolted Flange Brace Detail

2 Bolts Unless Noted on Erection Drawings

Purlin-Girt Clip

Field Band

Flange Brace

2" x 2" x 1/4" See Cross Section for location

Without Liner

2 Bolts Unless Noted on Erection Drawings

Purlin-Girt Clip

Field Band

Flange Brace

2" x 2" x 1/4" See Cross Section for location

With Liner

Liner Clip

Zee	Clip
8"	SC-22
10"	SC-77
12"	SC-78

By-Pass Clip Bolted Flange Brace Detail

2 Bolts Unless Noted on Erection Drawings

Purlin / Girt Clip Shop Welded

Flange Brace Clip SC-280 PL1/4" x 4" x 0'-4" Shop Welded

1/2" x 1 1/4" A325 Bolts Without Washers Typ. each end

Without Liner

2 Bolts Unless Noted on Erection Drawings

Purlin / Girt Clip Shop Welded

Flange Brace Clip SC-280 PL1/4" x 4" x 0'-4" Shop Welded

1/2" x 1 1/4" A325 Bolts Without Washers Typ. each end

With Liner

Liner Clip

Zee	Clip
8"	SC-22
10"	SC-77
12"	SC-78

By-Pass Clip Bolted Flange Brace Detail

NS0006U

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting. If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

Standard Details

Customer: CLOVIS METAL BUILDINGS

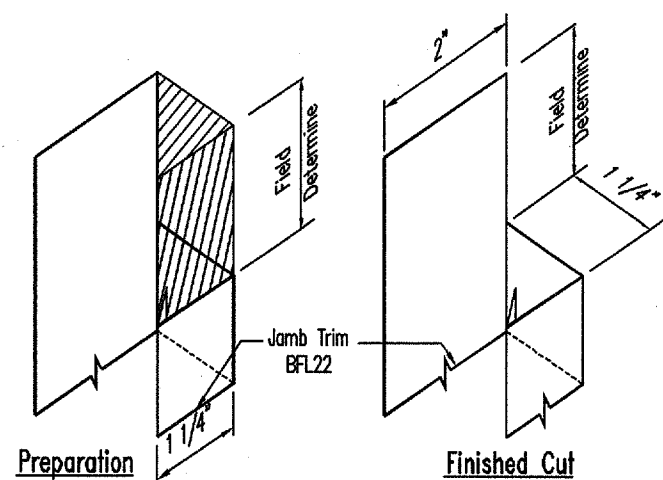
End User: MONTESSA PARK LABORATORY FACILITY

Location: ALBUQUERQUE, NM

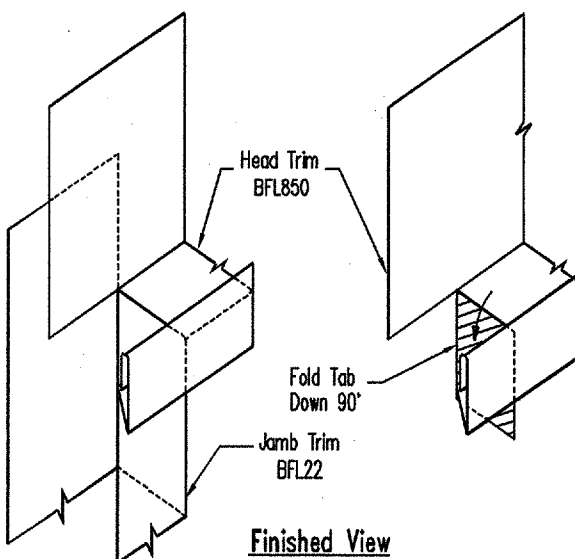
Det. By: Cnk By: Date: Scale: Building ID: Job Number: Sheet Number: Issue:

N.T.S. A 2105-245197 NS-3 0

5/20/2010

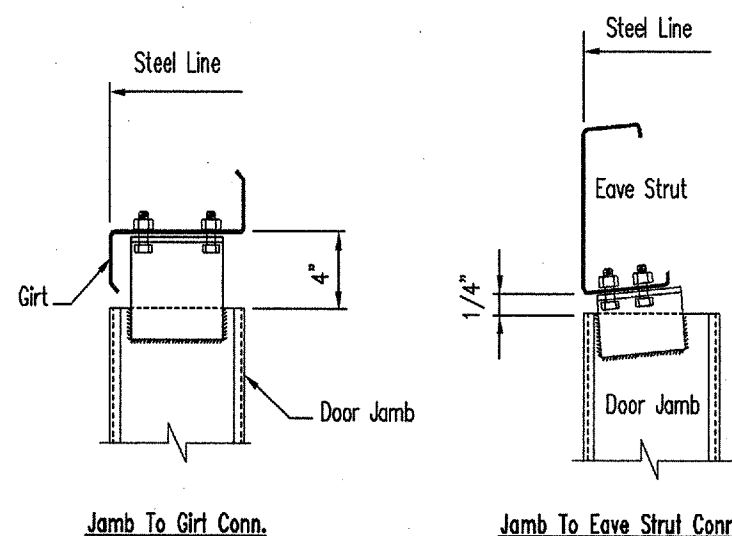


Preparation Finished Cut



Optional PBR Jamb and Head Trim Details

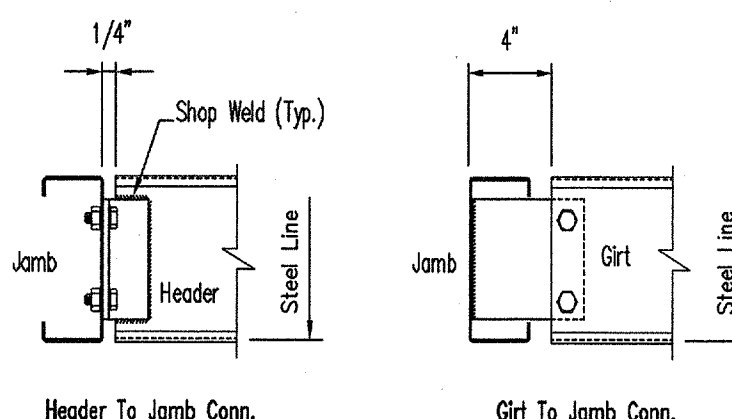
11/28/07



Jamb To Girt Conn.

Jamb To Eave Strut Conn.

All connection bolts are 1/2" x 1" mach. bolts

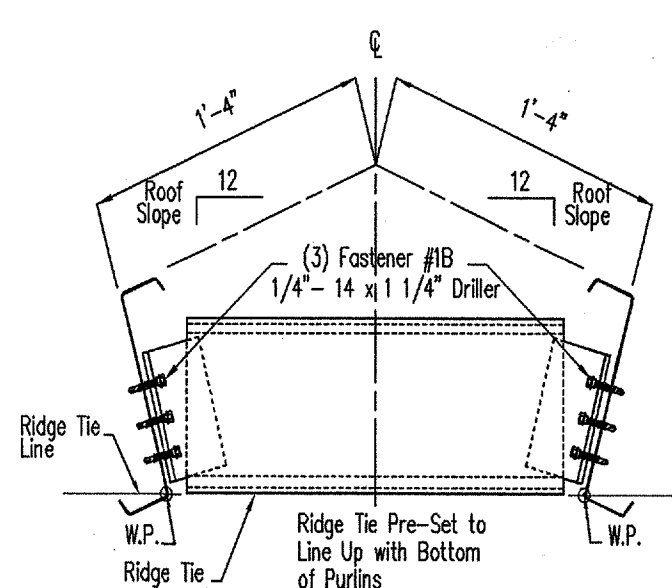


Header To Jamb Conn.

Girt To Jamb Conn.

Framed Opening with Welded Clips

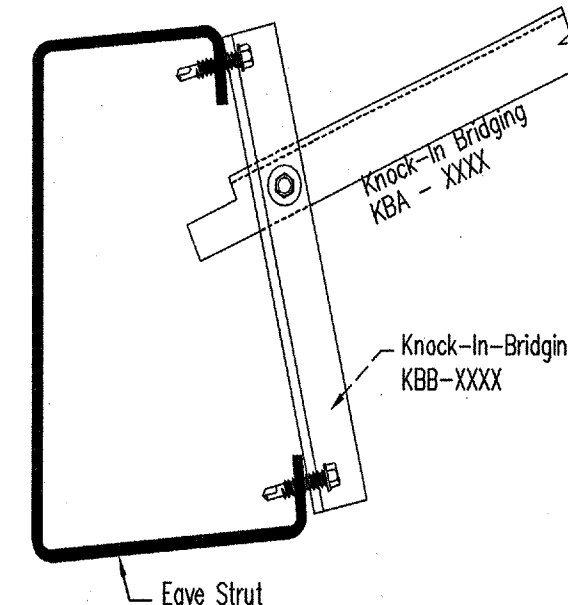
7/07/06



Roof slope	8" Purlin	10" Purlin	12" Purlin
1/2	RT-08 A	RT-10 A	RT-12 A
1	RT-08 B	RT-10 B	RT-12 B
2	RT-08 C	RT-10 C	RT-12 C
3	RT-08 D	RT-10 D	RT-12 D
4	RT-08 E	RT-10 E	RT-12 E

Ridge Tie Installation

10-24-03



All fasteners shown are #1B
1/4-14 x 1 1/4" Self Drill (3) Required

Knock-In-Bridging Attachment
Low Side Eave Strut

10/20/06

DEPTH	FLANGE	PROFILE	GAGE	LEFT	RIGHT	COUNTER
8	3	C	4	G	G	1
Depth Code 8 = 8" 10 = 10" 12 = 12" Flange Code 3 = 3 1/2" Profile Code C = Cee G = Simple S = Multi Holes Counter NP = No Holes G = Simple S = Multi Holes A numerical part number from 1 to 999						

DEPTH	FLANGE	PROFILE	GAGE	LEFT	RIGHT	COUNTER
8	3	Z	4	G	G	1
Depth Code 8 = 8" 10 = 10" 12 = 12" Flange Code 2 = 2 1/2" 3 = 3 1/2" Profile Code Z = Zee Left / Right End Punch NP = No Holes (once) G = Simple S = Multi Holes L = Long X = Extra Long U = Super Lap Y = Simple Span Counter A numerical part number from 1 to 999						

DEPTH	FLANGE	PROFILE	GAGE	LEFT	RIGHT	COUNTER	SLOPE
8	3	EL	4	H	H	1	A
Depth Code 8 = 8" 10 = 10" 12 = 12" Flange Code 3 = 3 3/8" 5 = 4 1/2" or 5" Profile Code EL = Eave Low EH = Eave High Gage Code 2 = 12 ga. 3 = 13 ga. 4 = 14 ga. 6 = 16 ga. Left / Right End Punch NP = No Holes (once) H = Simple M = Old Multi Holes J = New Multi Holes Counter A numerical part number from 1 to 999 Slope Code A = 1/2:12 B = 1:12 C = 2:12 D = 3:12 E = 4:12							

Cold Form Identification

7-22-04

NS0068H

Jamb to Girt	Width	Header
Girt Mark		Girt Mark
8" 083JDFZ		8" 083H
10" 103JDFZ		10" 103H
12" 123JDFZ		12" 123H

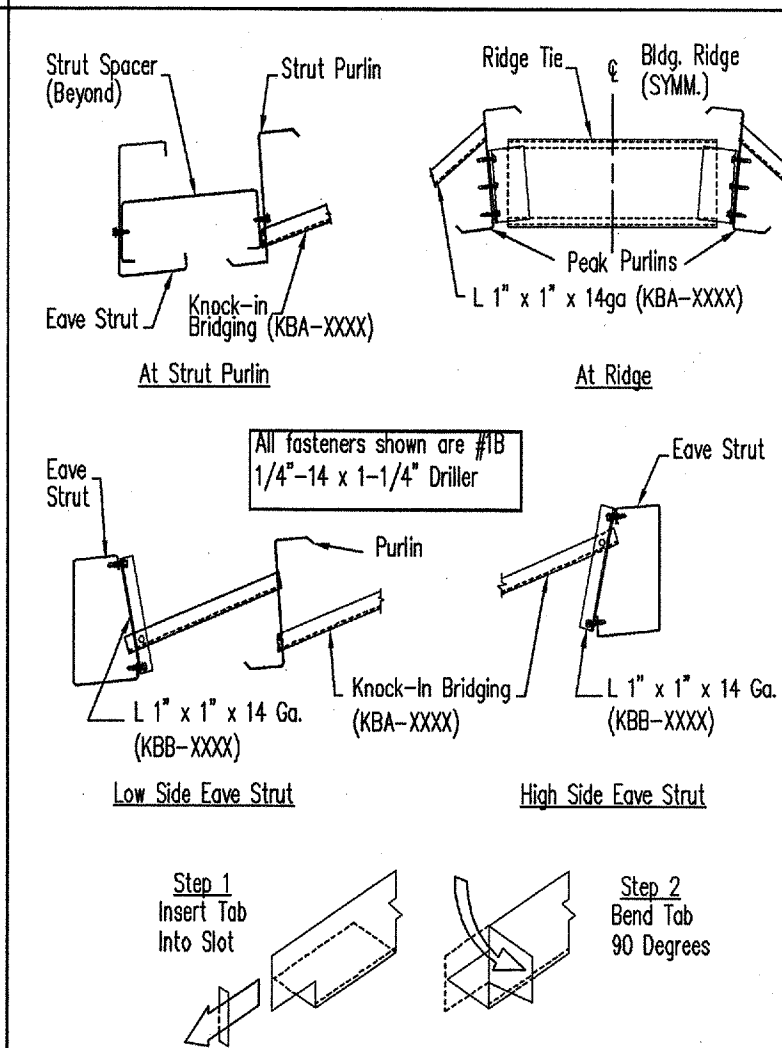
Jamb to ES	Width	Header
Low ES		
Girt Mark		Girt Mark
8" 083JDFL		8" 083H
10" 103JDFL		10" 103H
12" 123JDFL		12" 123H

Framed Opening With Welded Clips

10/10/07

NS0017

NS0017A

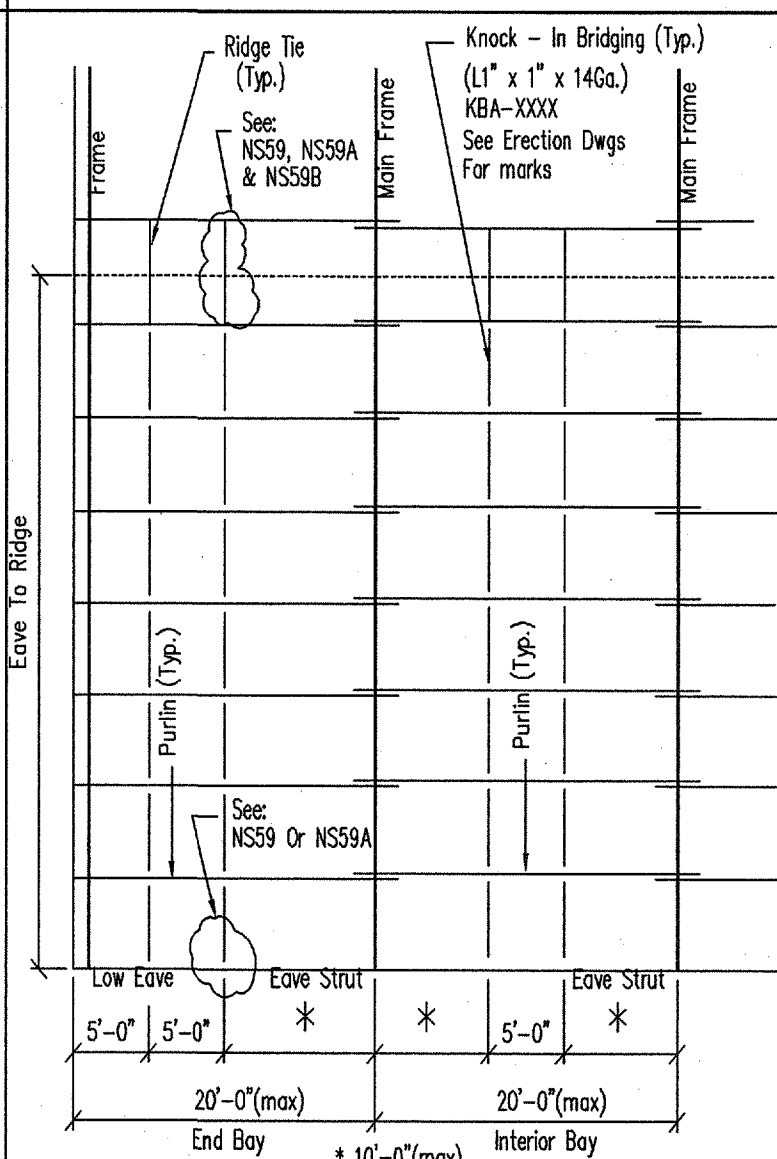


Note: The bridging must be inserted into the pre-punched slot in the purlin, as shown, and the tab bent side ways for proper installation. The process must be complete for the bridging to function as designed.

Knock-In Bridging Installation
(For Roof Slopes Below 3:12)

10/20/06

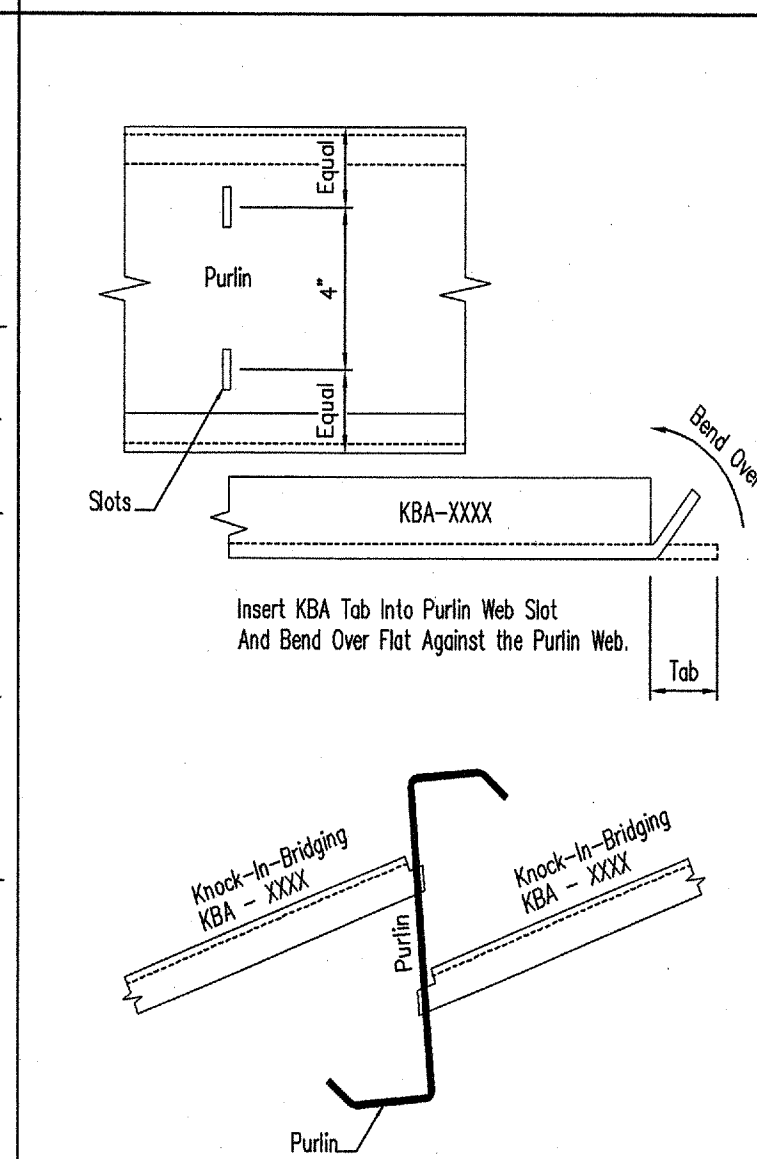
NS0059



Knock-In-Bridging Layout
Double Slope Roof - up to 20' Bays
Standing Seam Roof

3-7-07

NS0059C



Knock-In-Bridging Attachment
At Interior Purlin

10/20/06

NS0412

NS0067A

Section Name	Dimensions	Member Properties	Shape
08226	8 2 1/2 2 1/2 11 1/2 16	0.822 7.759 1.081 1.747	Y B1
08224	8 2 1/2 2 1/2 9.30 14	0.976 9.177 1.289 2.137	Y B1
08223	8 2 1/2 2 1/2 9.96 13	1.185 11.095 1.577 2.724	Y B1
08222	8 2 1/2 2 1/2 9.90 12	1.463 13.824 1.967 3.347	Y B1
10224	10 3 1/2 3 1/2 9.30 14	1.116 15.642 1.290 2.838	Y B1
10223	10 3 1/2 3 1/2 9.96 13	1.355 18.933 1.578 3.727	Y B1
10222	10 3 1/2 3 1/2 9.90 12	1.673 23.285 1.968 4.386	Y B1
10324	10 3 1/2 3 1/2 9.30 14	1.256 19.084 3.077 2.907	Y B1
10323	10 3 1/2 3 1/2 9.96 13	1.525 23.112 3.759 3.933	Y B1
10322	10 3 1/2 3 1/2 9.90 12	1.883 28.427 4.681 4.932	Y B1
12324	12 3 1/2 3 1/2 9.30 14	1.396 28.321 3.078 3.470	Y B1
12323	12 3 1/2 3 1/2 9.96 13	1.695 35.515 3.760 4.733	Y B1
12322	12 3 1/2 3 1/2 9.90 12	2.093 43.722 4.682 6.374	Y B1

6-6-06

NS0067

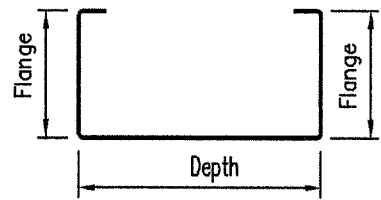
NOTE:
1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.
ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting.
If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

NO.	DATE	DESCRIPTION	BY	CHK'D
7-14-09			DEH	DGW
8-18-09		FOR ERECTOR INSTALLATION	EA	

Customer: CLOVIS METAL BUILDINGS	Scale: N.T.S.	Building ID: A	Job Number: 2105-245197	Sheet Number: NS-5	Issue: 0
End User: MONTESSA PARK LABORATORY FACILITY					
Location: ALBUQUERQUE, NM					

Standard Details

5/20/2010



Header

Depth Flange Profile Gage Counter
08 3 H 4 - 1

a. Depth Code
08 = 8"
10 = 10"
12 = 12"

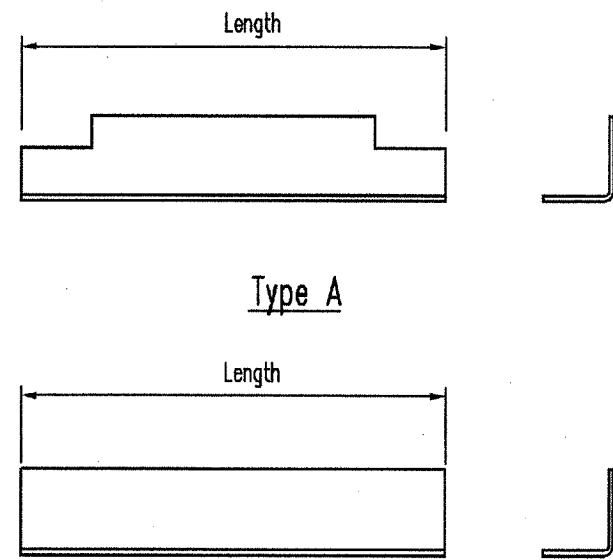
d. Gage Code
2 = 12 ga.
3 = 13 ga.
4 = 14 ga.
6 = 16 ga.

b. Flange Code
3 = 3 1/2"

g. Counter
A numerical
part number
from 1 to 999

c. Profile Code
H = Header

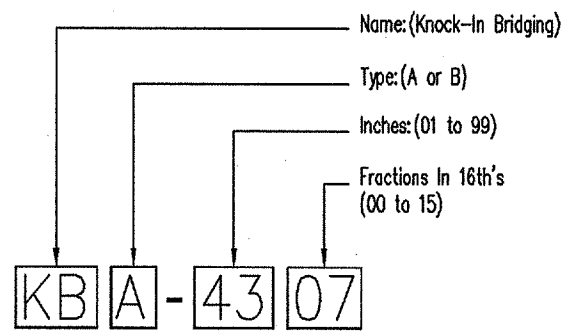
Standard Header/Sill Identification



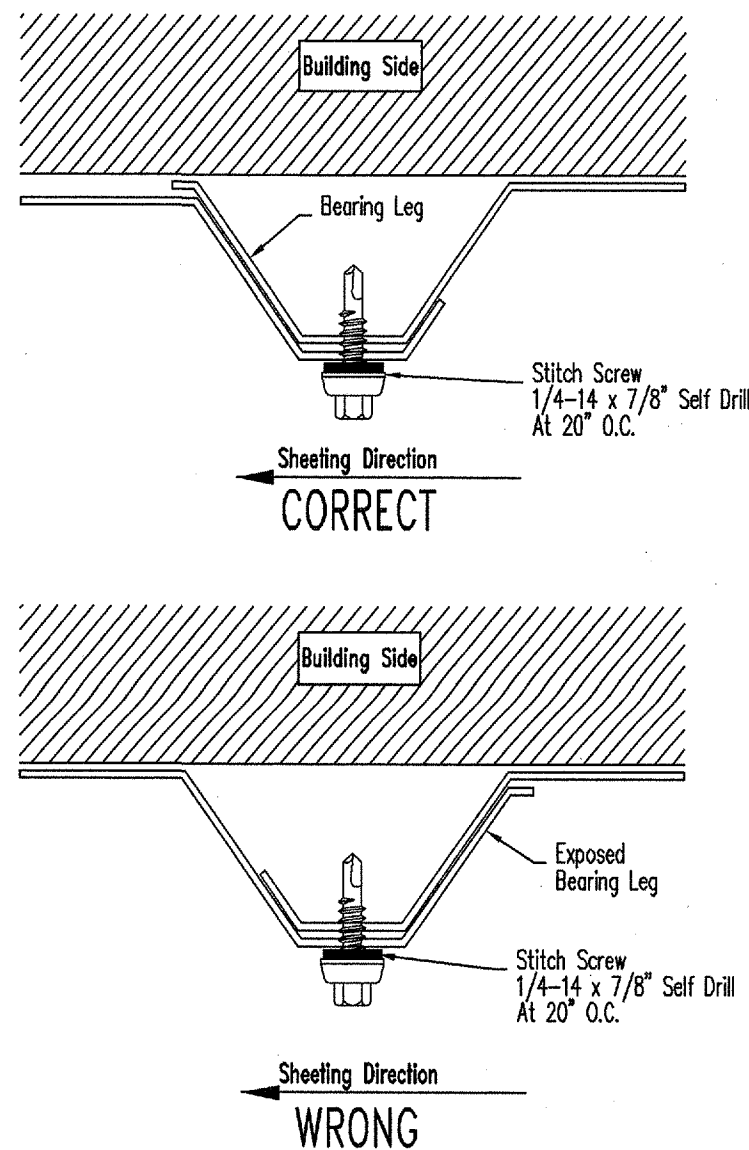
Type A

Type B

Angle 1 x 1 x 14ga.



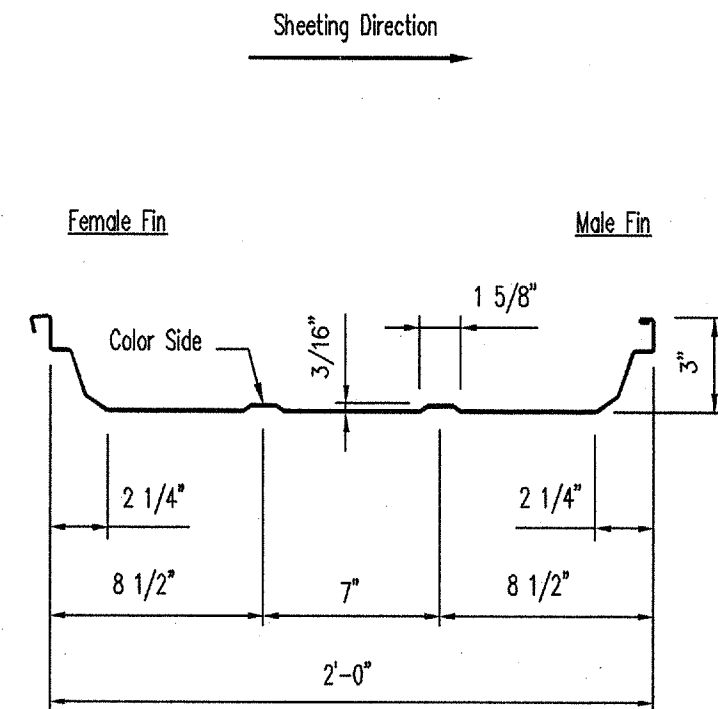
Knock-In-Bridging Identification



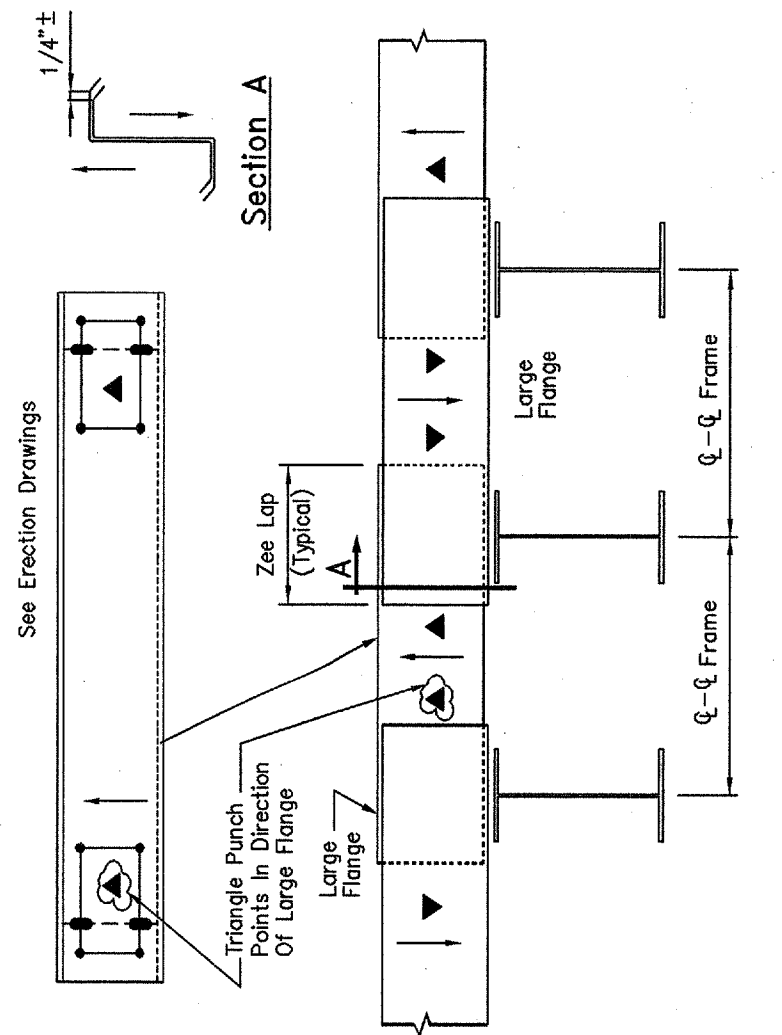
CORRECT

WRONG

PBR Panel Side Lap

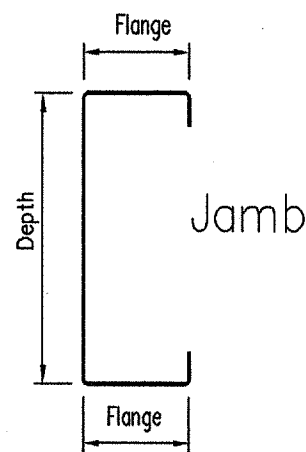


24" Double-Lok Panel Profile



The large leg of the Zee must be alternated from top to bottom in order to nest the member correctly. A triangle has been added to the end of the Zee near the connection holes, that will point to the large leg of the member.

By-pass Zee Installation



Jamb

Depth Flange Profile Gage Base Top Counter Slope View
08 3 J 4 F L - 1 B R

a. Depth Code
08 = 8"
10 = 10"
12 = 12"

e. Base Code
F = Floor
Z = Zee
C = Cee

h. Slope Code
A = 1/2:12
B = 1:12
C = 2:12
D = 3:12
E = 4:12

b. Flange Code
3 = 3 1/2"

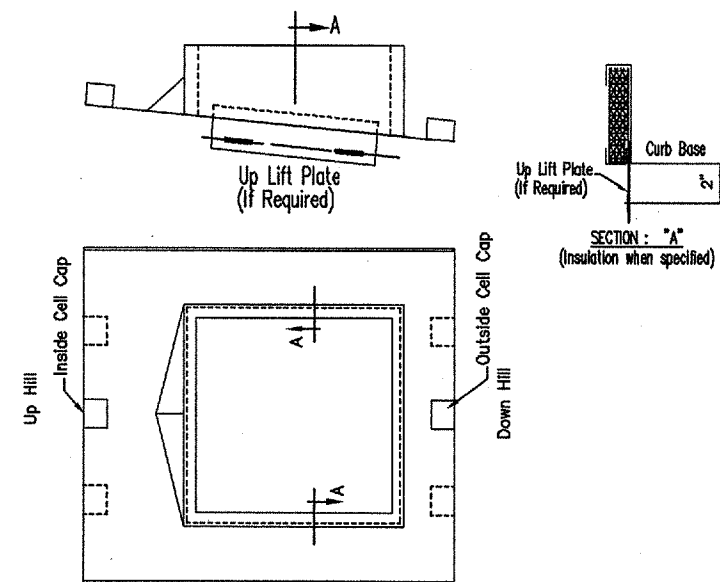
f. Top Code
L = Low Eave
H = High Eave
Z = Zee
C = Cee
R = Rafter
E = End Rafter

i. View Code
R = As Shown
L = Opposite
as Shown

d. Gage Code
2 = 12 ga.
3 = 13 ga.
4 = 14 ga.
6 = 16 ga.

g. Counter
A numerical
part number
from 1 to 999

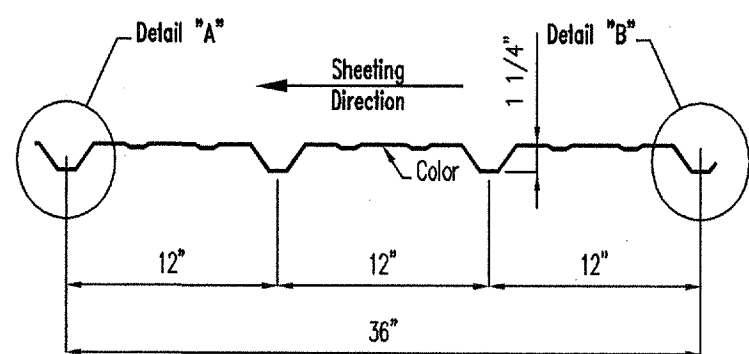
Standard Jamb Identification



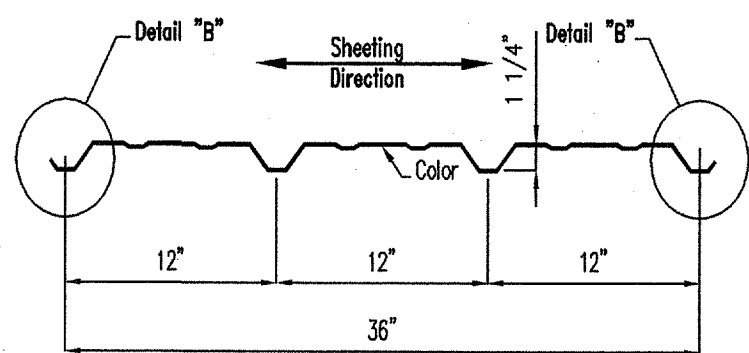
The roof curbs for this project are not supplied by the building manufacturer. The curb details shown on this set of drawings illustrate the building manufacturer's recommended curb style and installation method. It is the erector/installer's responsibility to provide the proper curb style and install them in accordance with the procedures established by these details. Failure by the erector/installer to follow these recommendations will result in the curbs being excluded from the warranties.

- All roof curbs must be:
1. .080 Aluminum or better
 2. Panel rib to rib installation
 3. Over low end / under high end application for water flow
 4. Up lift prevention for clip applied roof systems are required if:
a. Wind load exceeds 110 mph or
b. Curb base crosses a purlin
 5. Supported on (4) four side by primary or secondary framing

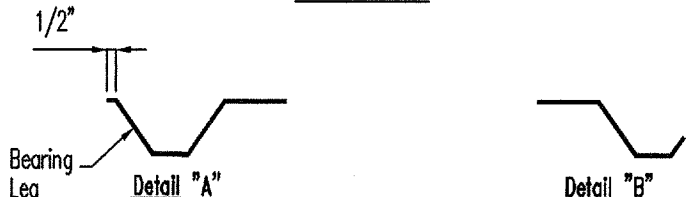
ROOF CURB NOT BY BUILDING MANUFACTURER



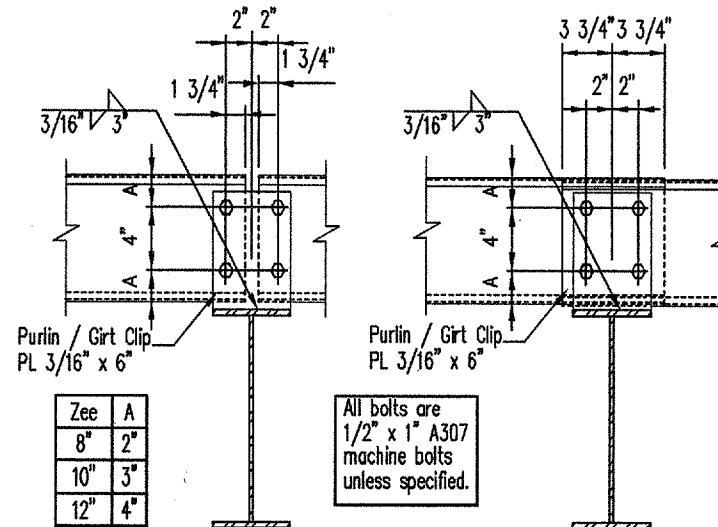
"PBR" Panel



"R" Panel

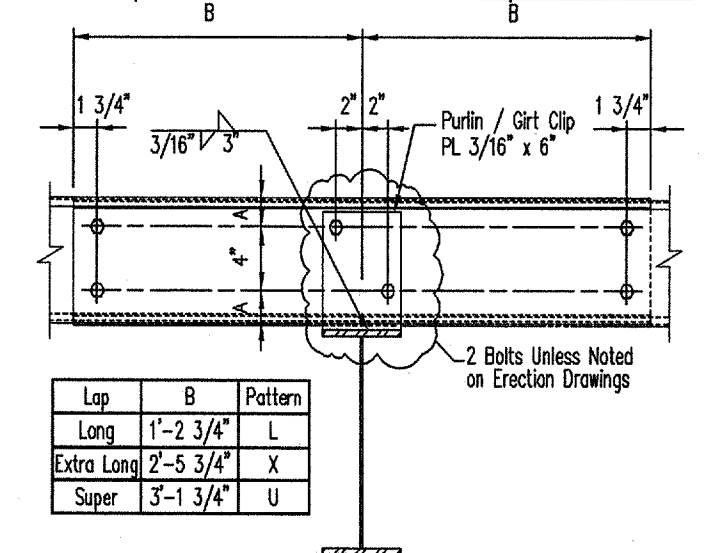


PBR and R Panel Profiles

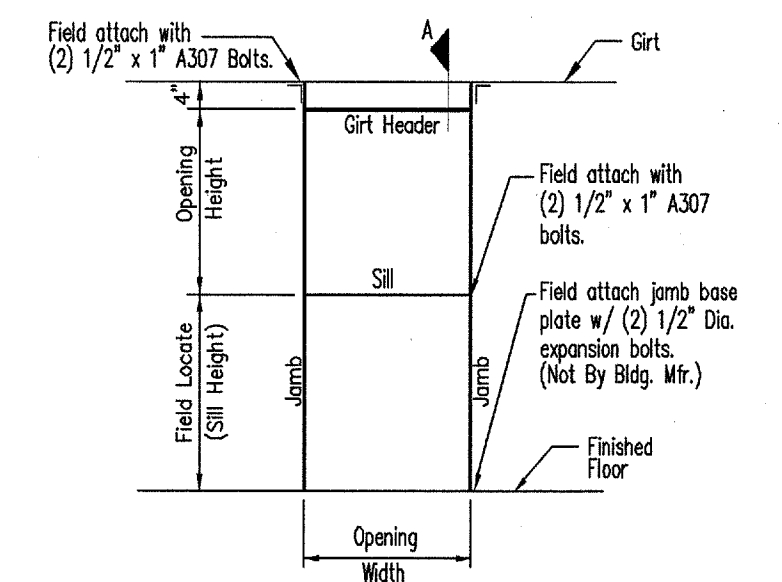


Lap Pattern "G"

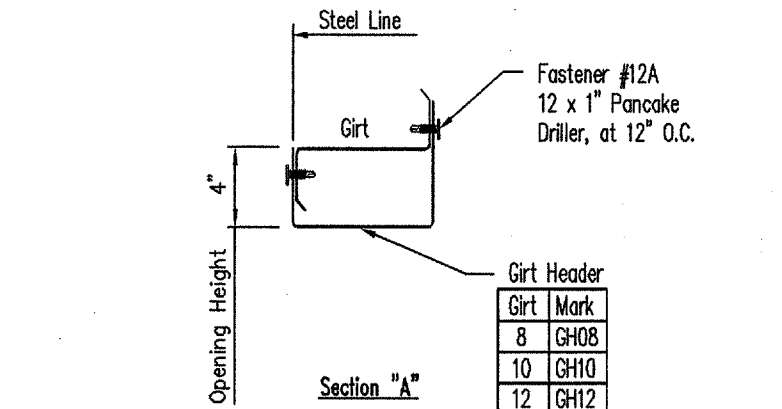
Lap Pattern "S"



Lap Detail
By-Pass Purlin / Girt Lap Details



Framed Opening Elevation



Framed Opening w/ Girt Header

NOTE:
1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.
ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting.
If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

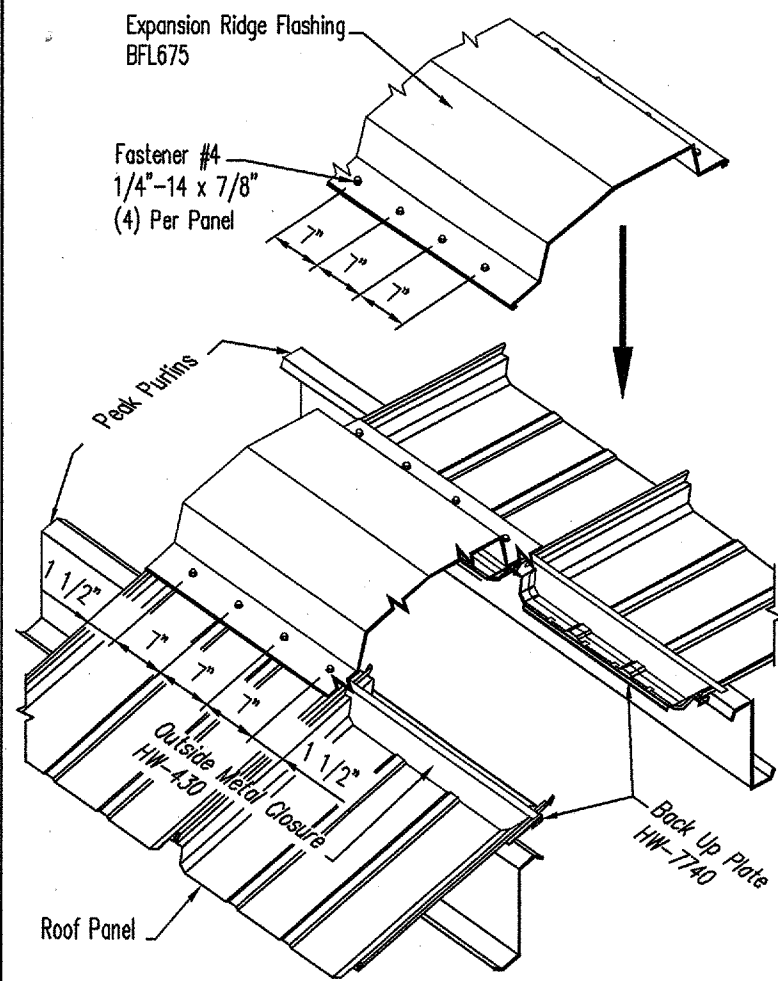
REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHK'D
1	7-14-09		DEH	DGW
2	8-18-09	FOR ERECTOR INSTALLATION	EA	

Standard Details

Customer: CLOVIS METAL BUILDINGS				
End User: MONTESSA PARK LABORATORY FACILITY				
Location: ALBUQUERQUE, NM				
Det. By	Chk By	Date	Scale	Building ID
			N.T.S.	A
Job Number		Sheet Number	Issue	
2105-245197		NS-6	0	

Set 20.2010

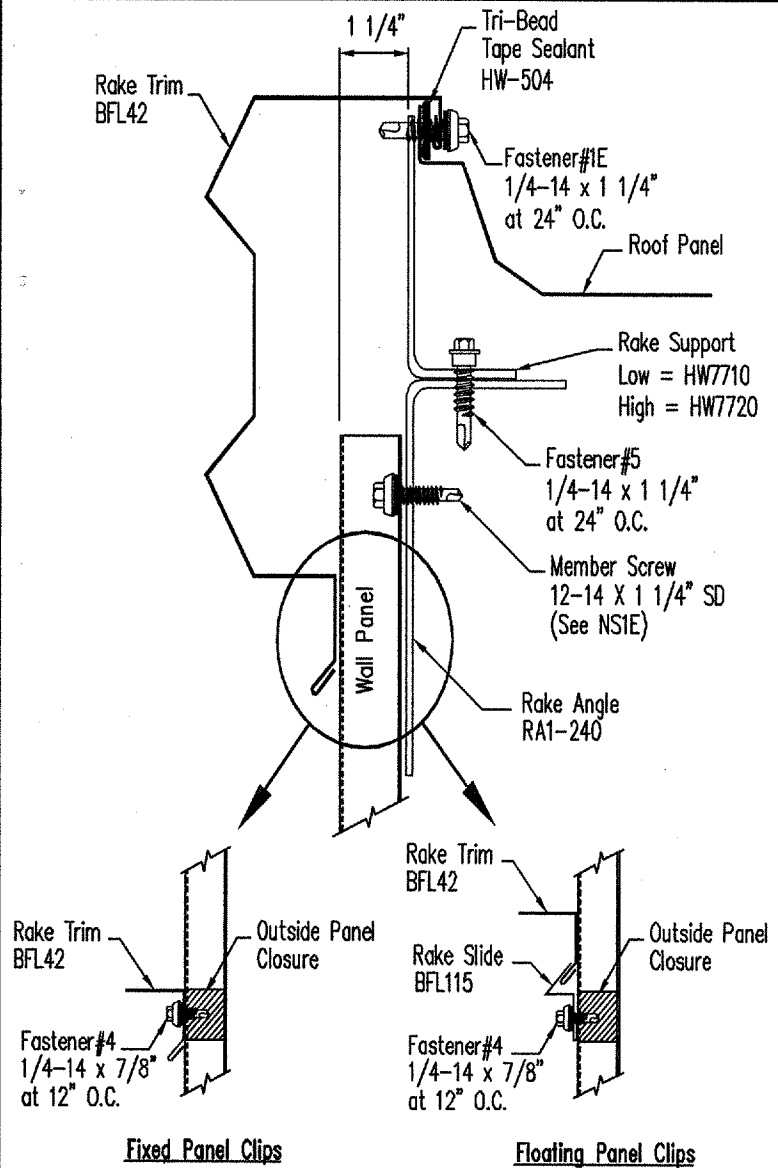
Note: Refer to Technical Installation Manuals for the installation of the roof panels at the ridge.



UltraDek/DoubleLok Roof Expansion Ridge Detail

5-22-07

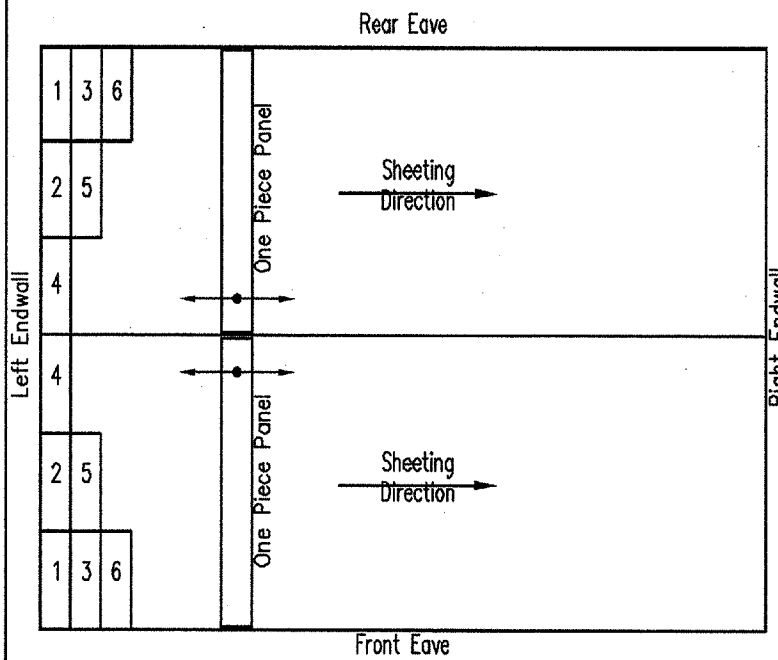
NS0915



Rake Detail
Metallic - UD/DL

6-18-07

NS0495

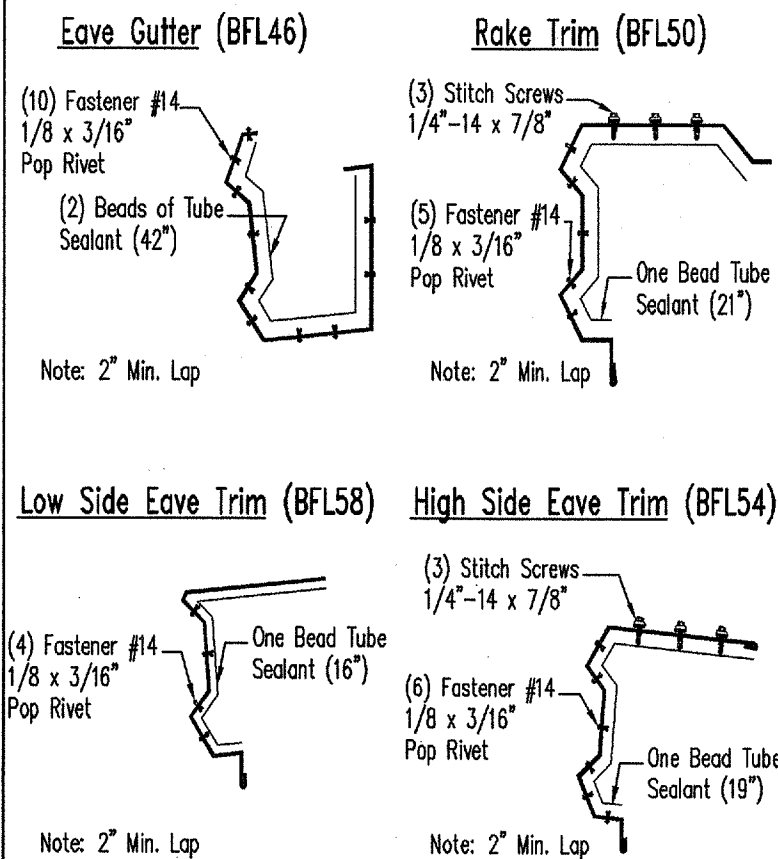


One Piece Panel = Any Direction

Ultra-Dek or Double-Lok
Sheeting Layout

12/01/07

NS0145

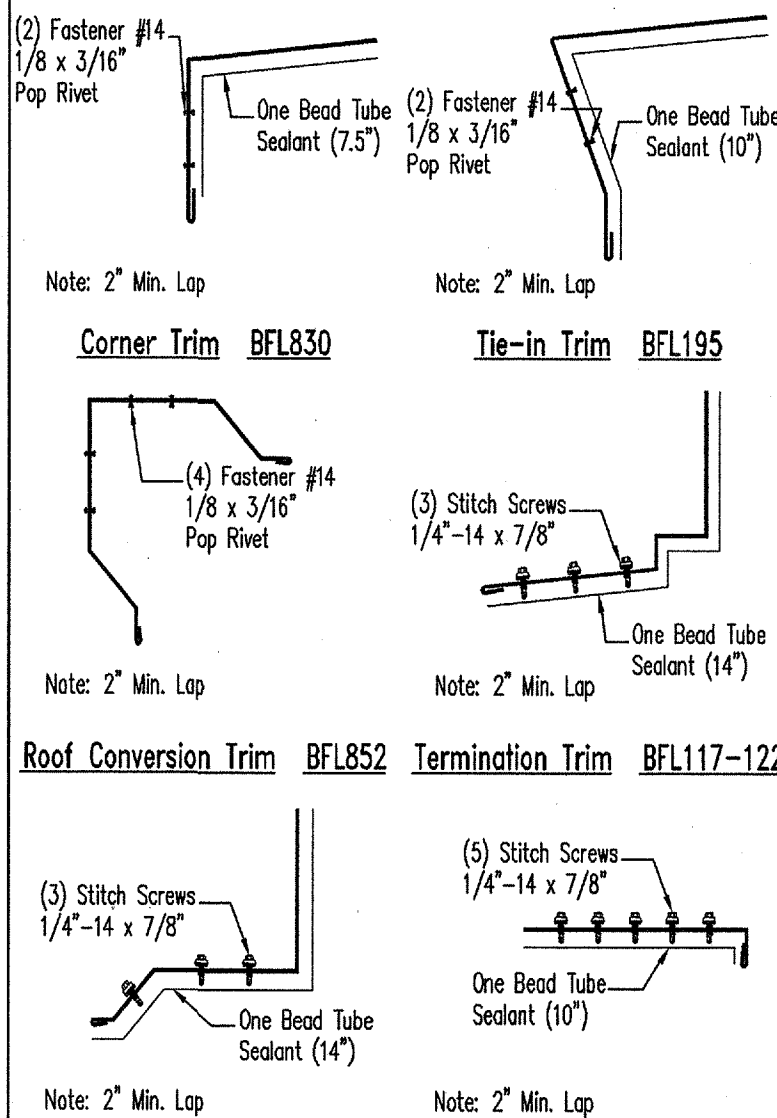


Metallic Trim Laps

12/01/07

NS0080

Flat Eave Trim BFL272 Floating Roof Eave Trim BFL308

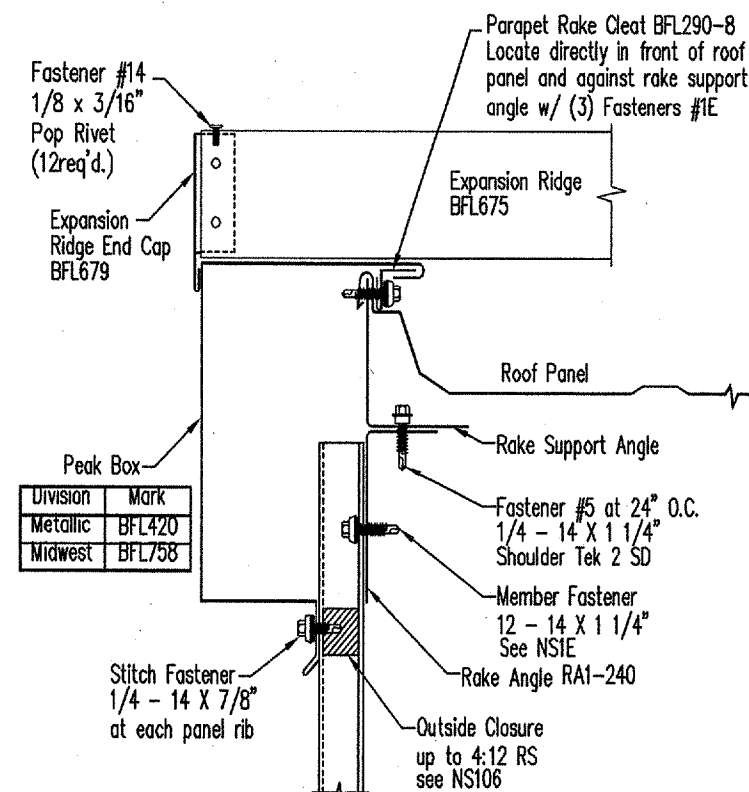


Eave, Corner, & Tie-in Trim Laps

12/01/07

NS0081

Refer to:
NS106
NS904

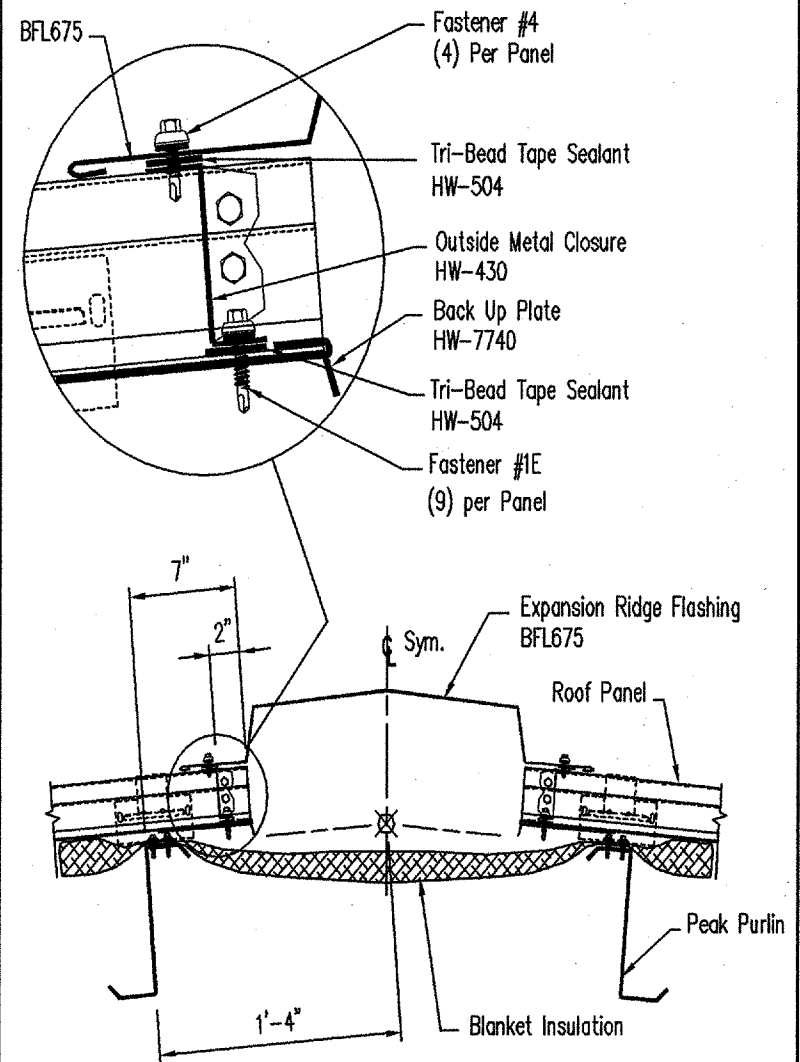


Ultra-Dek/Double-Lok Expansion Ridge End Cap
Standard Trim

10/24/07

NS0105B

Note: Refer to Technical Installation Manuals for the installation of the roof panels at the ridge.



UltraDek/DoubleLok Roof Expansion Ridge Detail

NS0915A

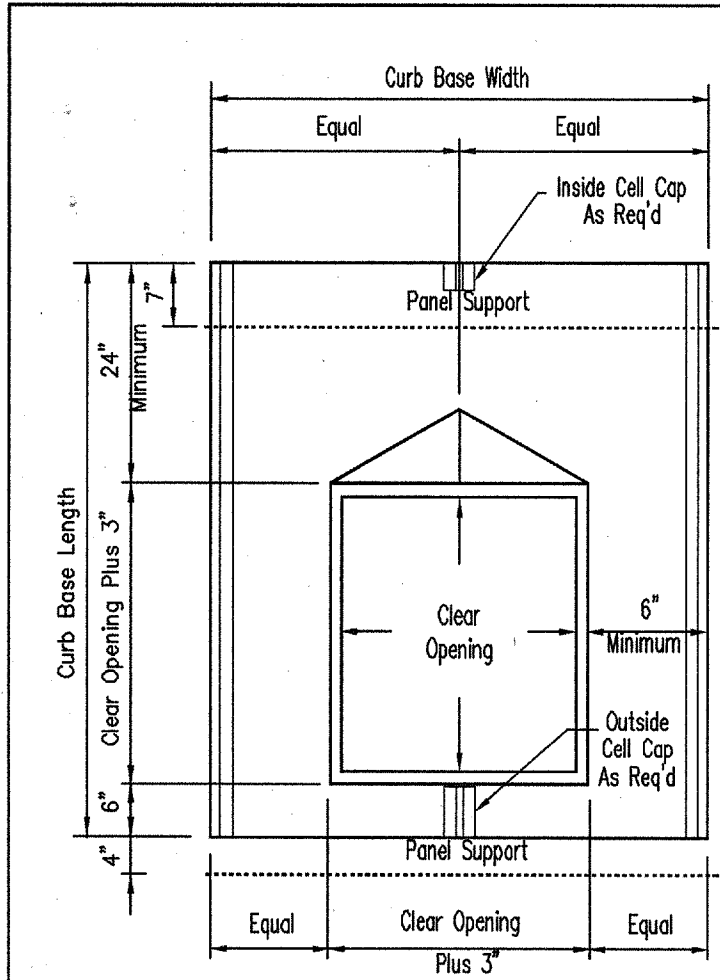
NOTE:
1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.
ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting.
If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHK'D
1	7-14-09		DEH	DGW
0	8-18-09	FOR ERECTOR INSTALLATION	EA	

Standard Details

Customer: CLOVIS METAL BUILDINGS				
End User: MONTESSA PARK LABORATORY FACILITY				
Location: ALBUQUERQUE, NM				
Del. By	Chk By	Date	Scale	Building ID
			N.T.S.	A
Job Number		Sheet Number	Issue	
2105-245197		NS-7	0	

10/20/2010

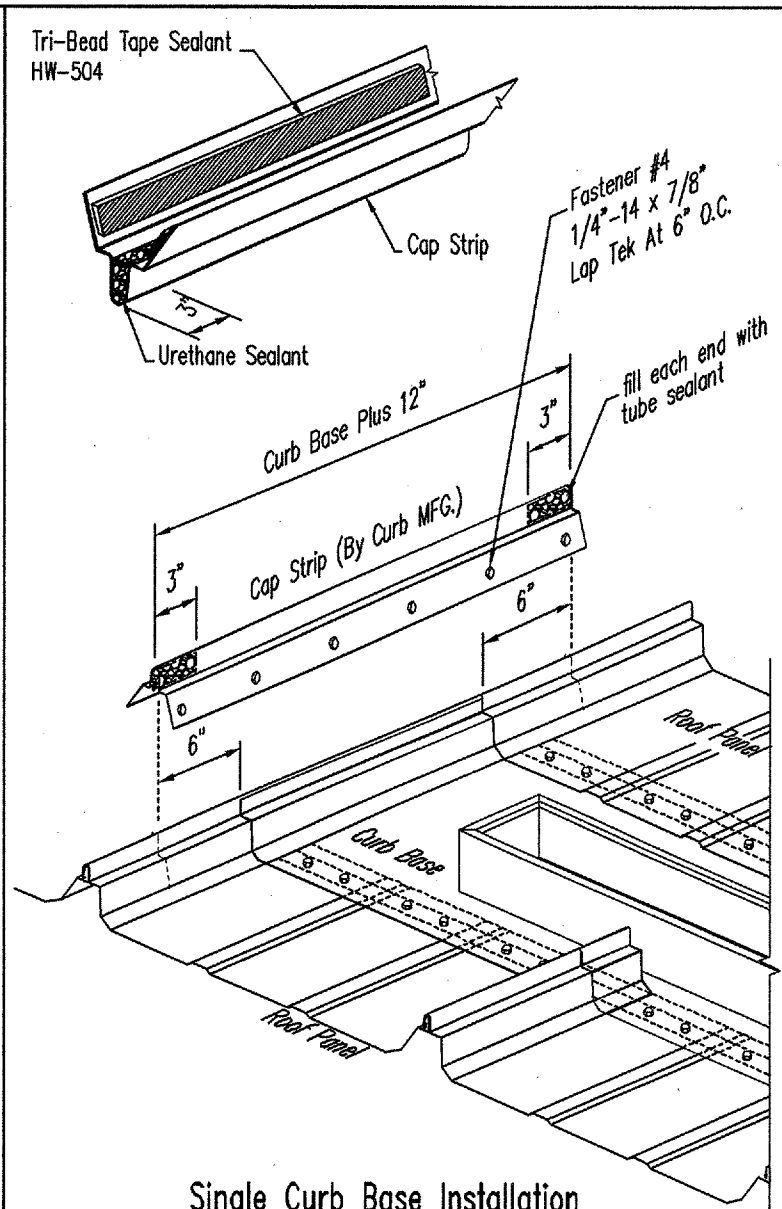


Curb Base Width = Increments of 24"
Curb Base Length = clear opening plus 2'-9"

Single Curb Base Detail
UltraDek/DoubleLok

9/28/07

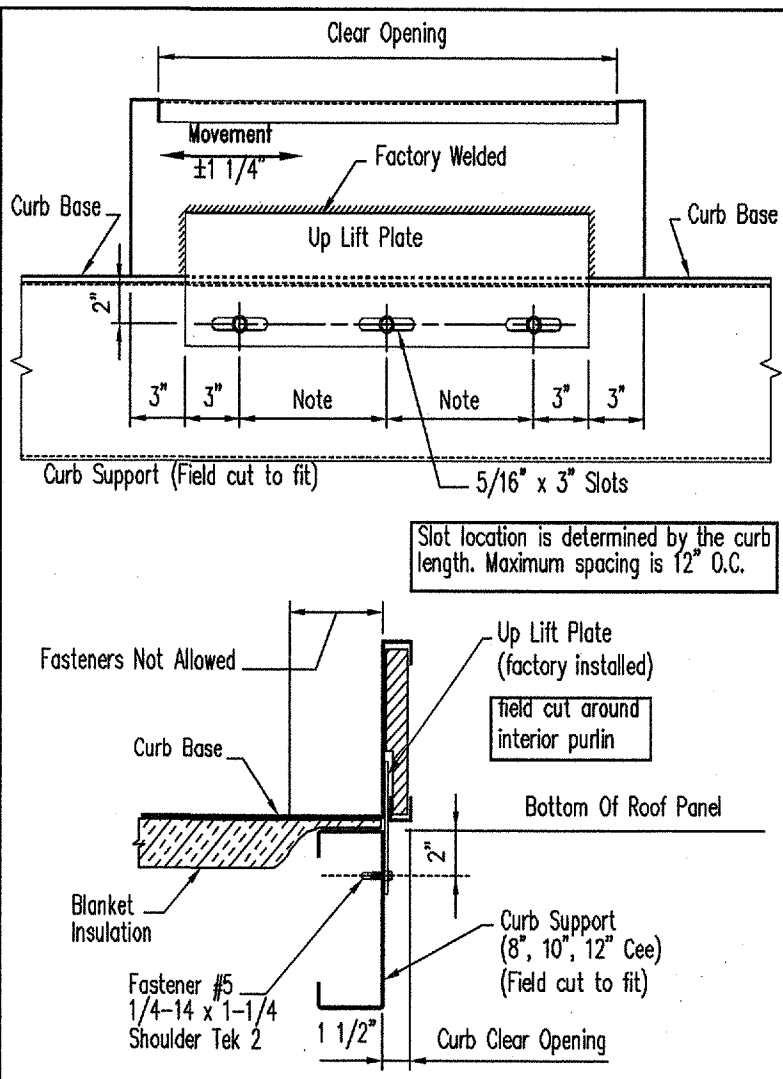
NS0443



Single Curb Base Installation
UltraDek/DoubleLok

7/16/07

NS0443B

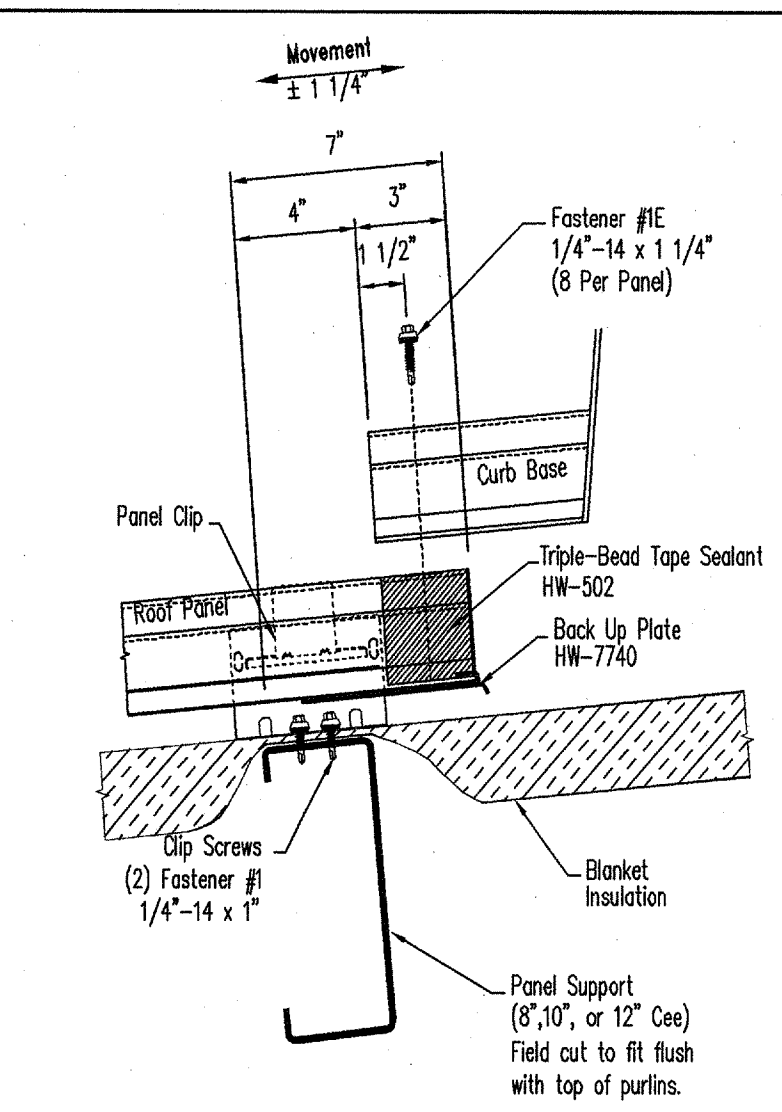


NOTE: Up lift prevention plates (supplied by curb Mfr.) are required if the wind load exceeds 110 MPH or if the curb base crosses a purlin.

Single Curb Up Lift Plate Detail
UltraDek/DoubleLok

7/16/07

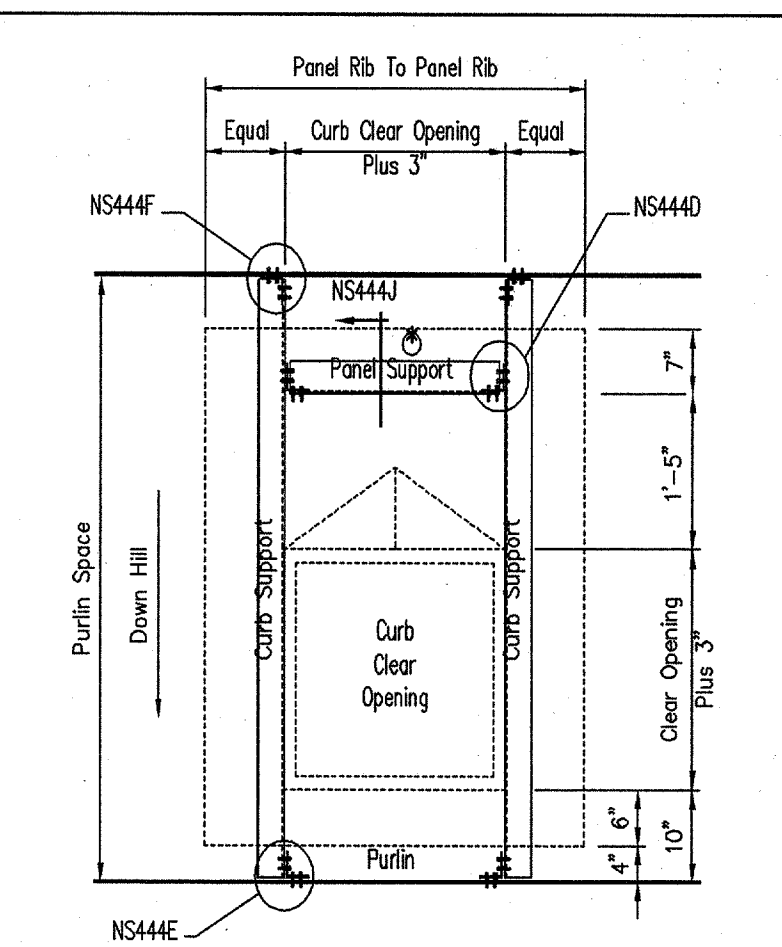
NS0443D



Down Hill Single Curb Base End Lap
UltraDek/DoubleLok

7/16/07

NS0443F

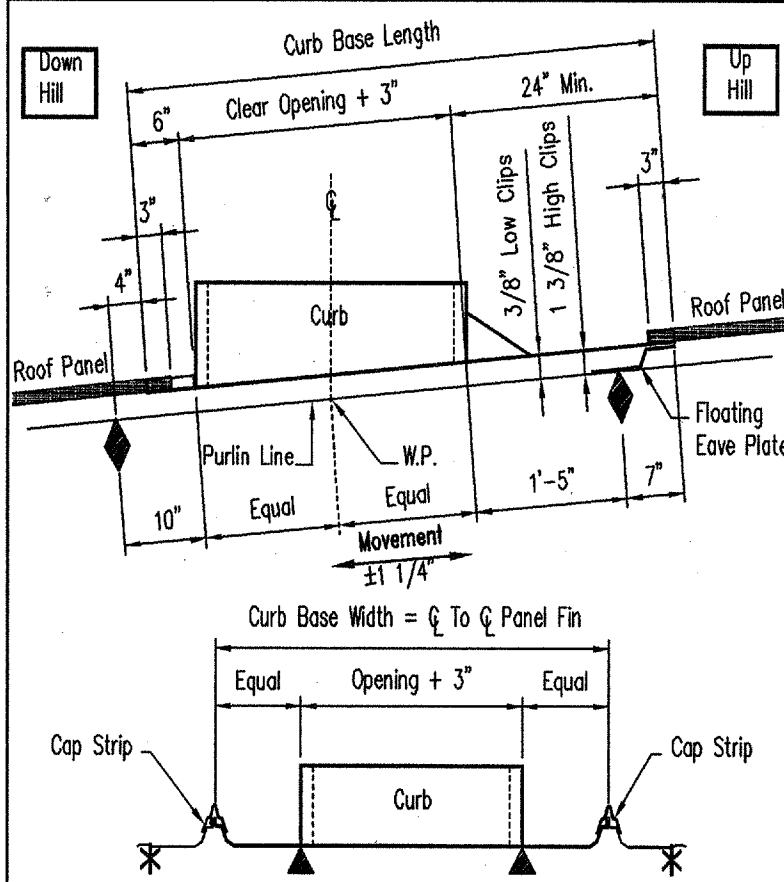


Do Not Cut Purlins
Floating Eave Plate is required
1. Curb support framing is located at the bottom of the roof panel.
2. All other framing is located at the top of the purlins.
3. All support framing will be field cut to fit from 8", 10", or 12" cold form cee material.

Single Curb Support Frame Type "A"
UltraDek/DoubleLok

7/16/07

NS0444

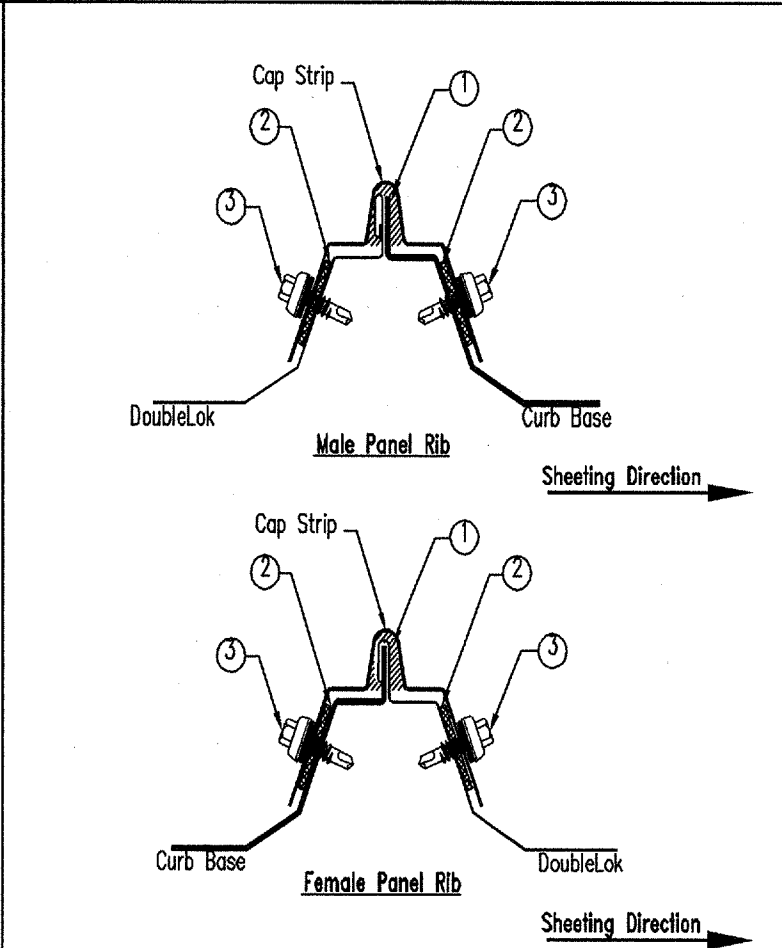


◆ Indicates Roof Panel Support location
▲ Indicates Curb Base Support location
NOTE: Up lift prevention plates (supplied by curb Mfr.) are required if the wind load exceeds 110 MPH or if the curb base crosses a purlin.
* Framing supports as required.

Single Curb Support Guide
UltraDek/DoubleLok

7/16/07

NS0443A

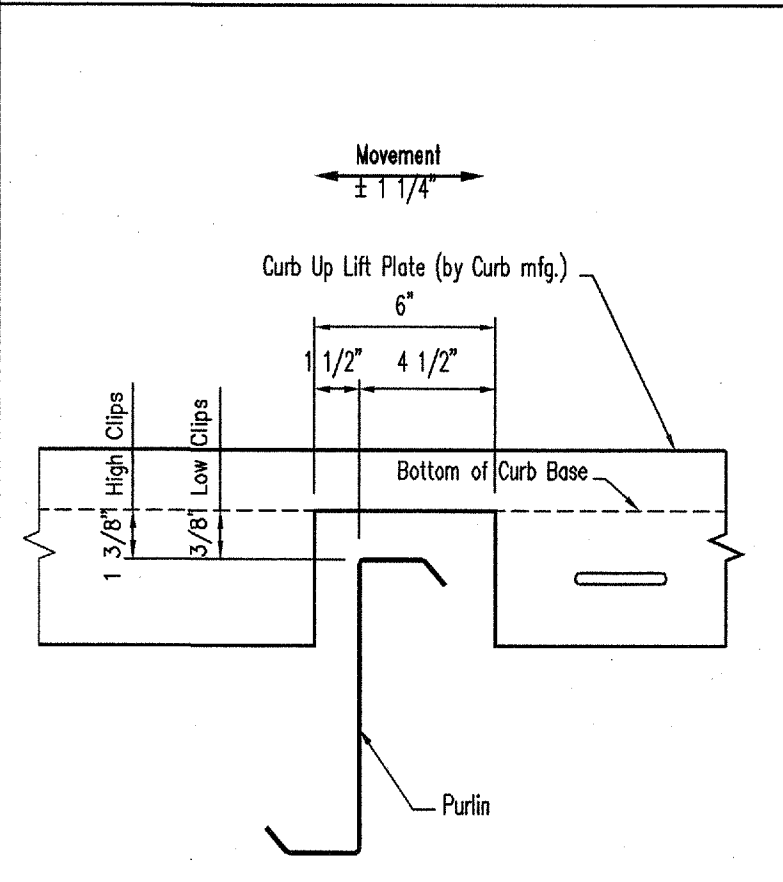


- Fill Cap Strip with urethane tube sealant, 3" on each end.
- Tri-bead tape sealant (HW-504).
- Fastener #4, 1/4"-14 x 7/8" Lap Tek at 6" O.C.

Single Curb Cap Strip Attachment
UltraDek/DoubleLok

7/16/07

NS0443C

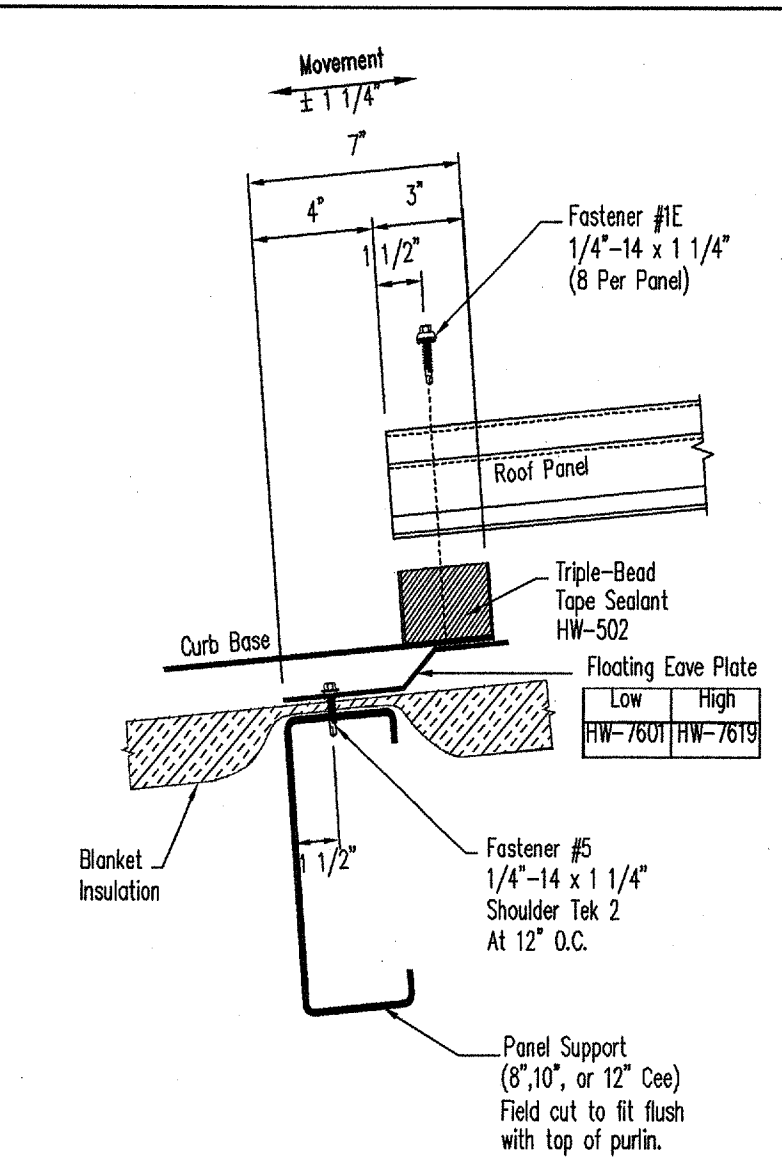


Up Lift Plate must be field notched around the building purlin to allow for panel movement.
NOTE: Up lift prevention plates (supplied by curb Mfr.) are required if the wind load exceeds 110 MPH or if the curb base crosses a purlin.

Single Curb Up Lift Plate Field Notch
UltraDek/DoubleLok

7/16/07

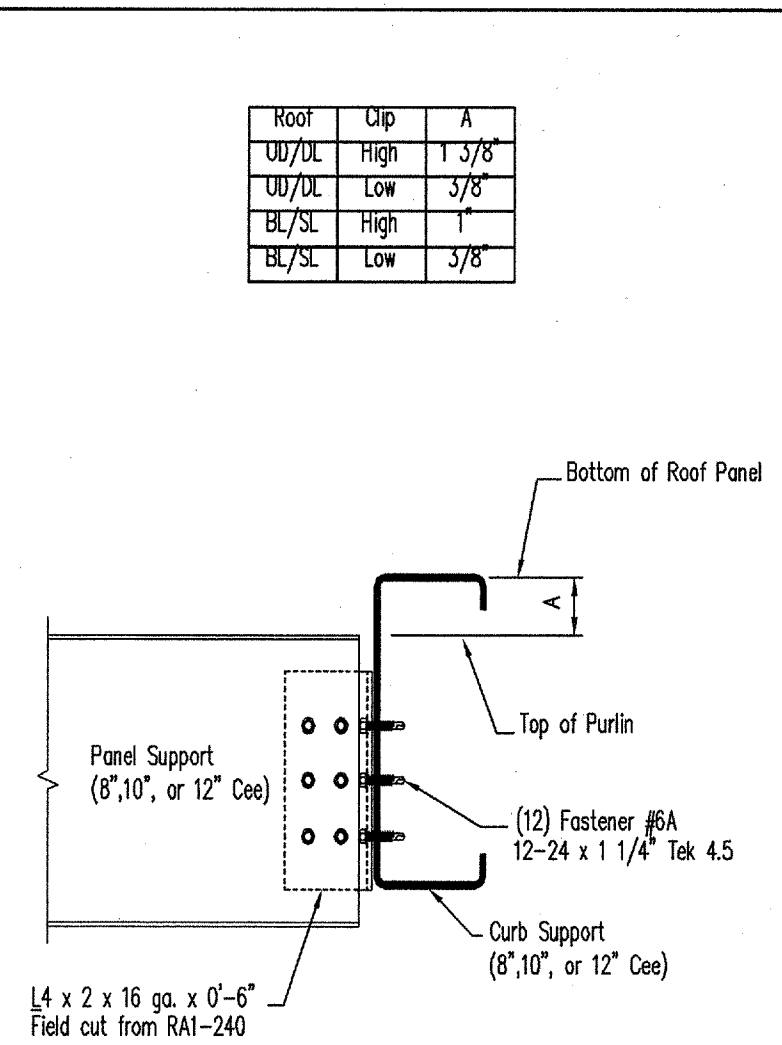
NS0443E



Up Hill Single Curb Base End Lap
UltraDek/DoubleLok

7/16/07

NS0443G



Single Curb Support Framing
Panel Support to Curb Support

12/01/07

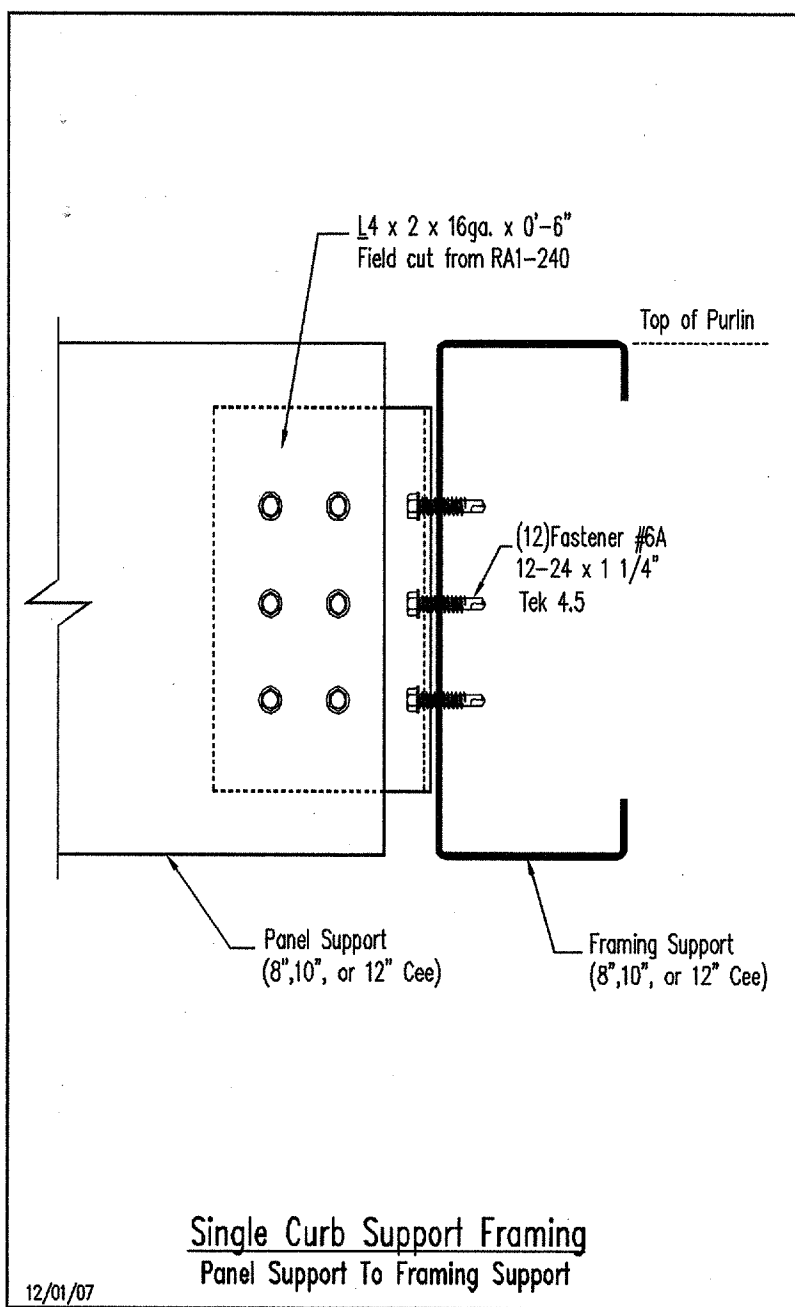
NS0444D

NOTE:
1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.
ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting.
If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

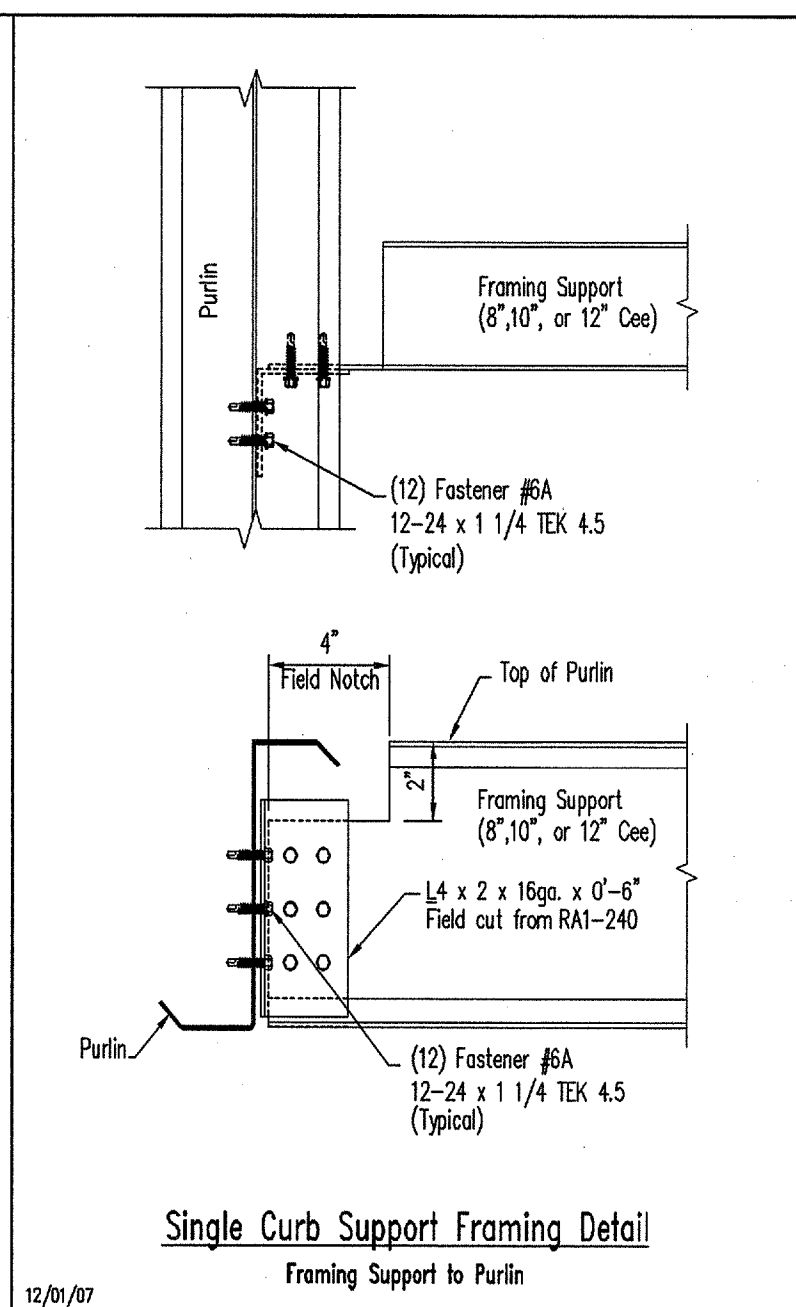
REVISIONS					Phase	
NO.	DATE	DESCRIPTION	BY	CHK'D		
0	8-18-09	FOR ERECTOR INSTALLATION	EA		1	
					Customer: CLOVIS METAL BUILDINGS	
					End User: MONTESSA PARK LABORATORY FACILITY	
					Location: ALBUQUERQUE, NM	
Det. By		Chk. By	Date	Scale	Building ID	Job Number
				N.T.S.	A	2105-245197
						Sheet Number
						NS-8
						Issue
						0

Standard Details

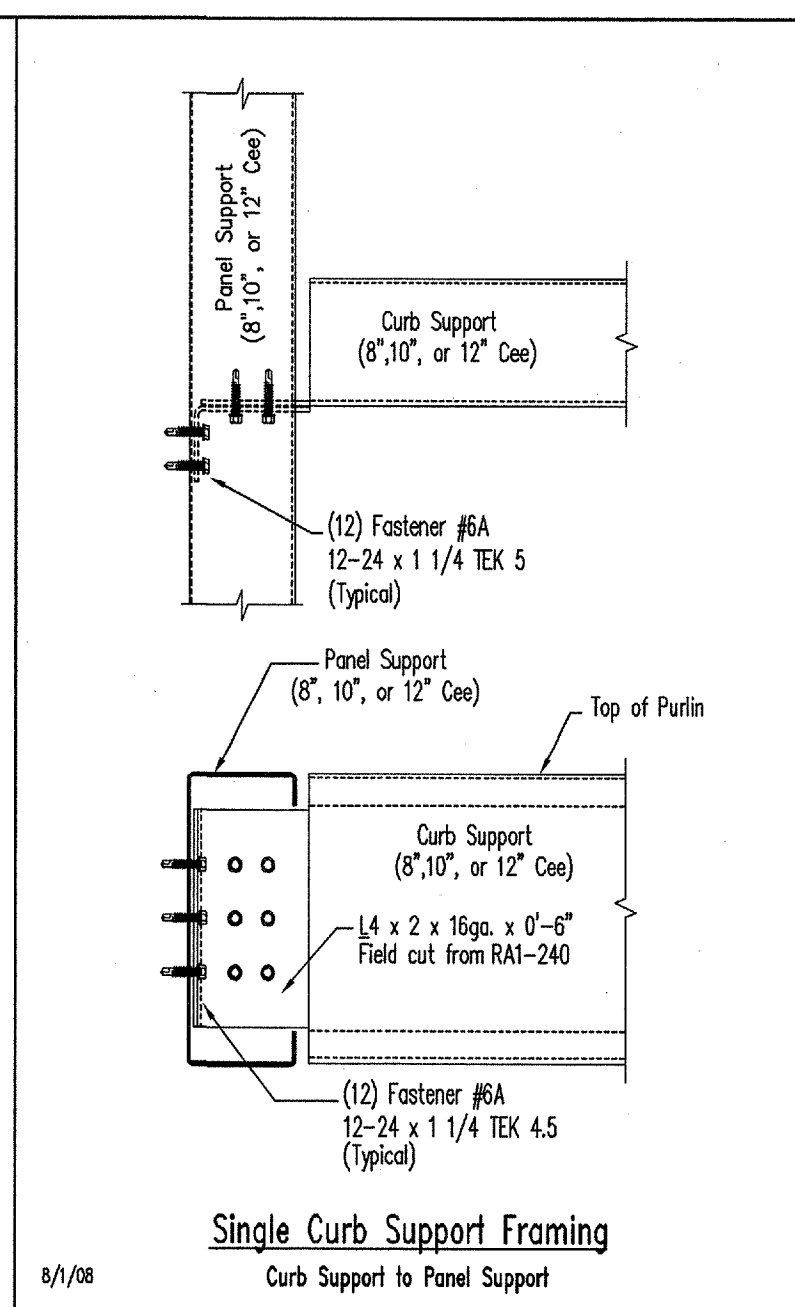
7/16/07



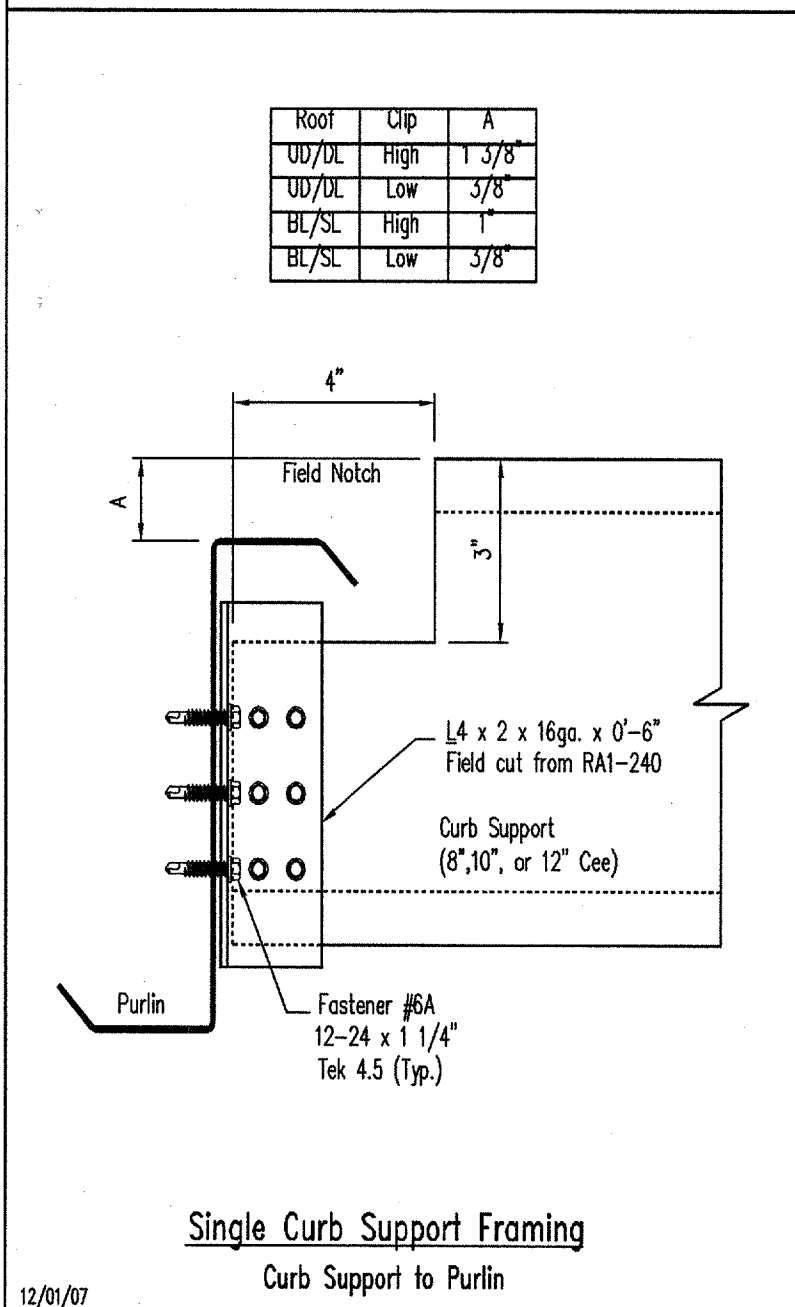
NS0444D1



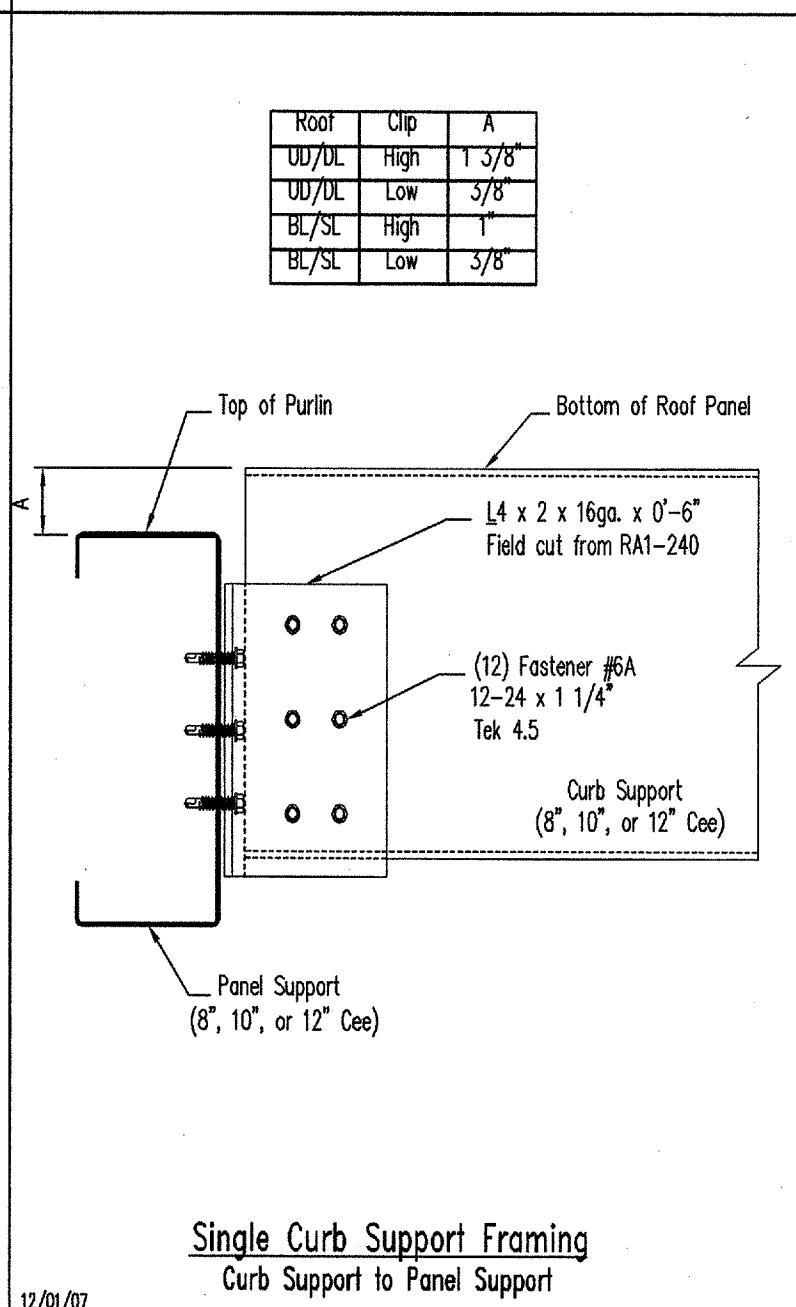
NS0444E1



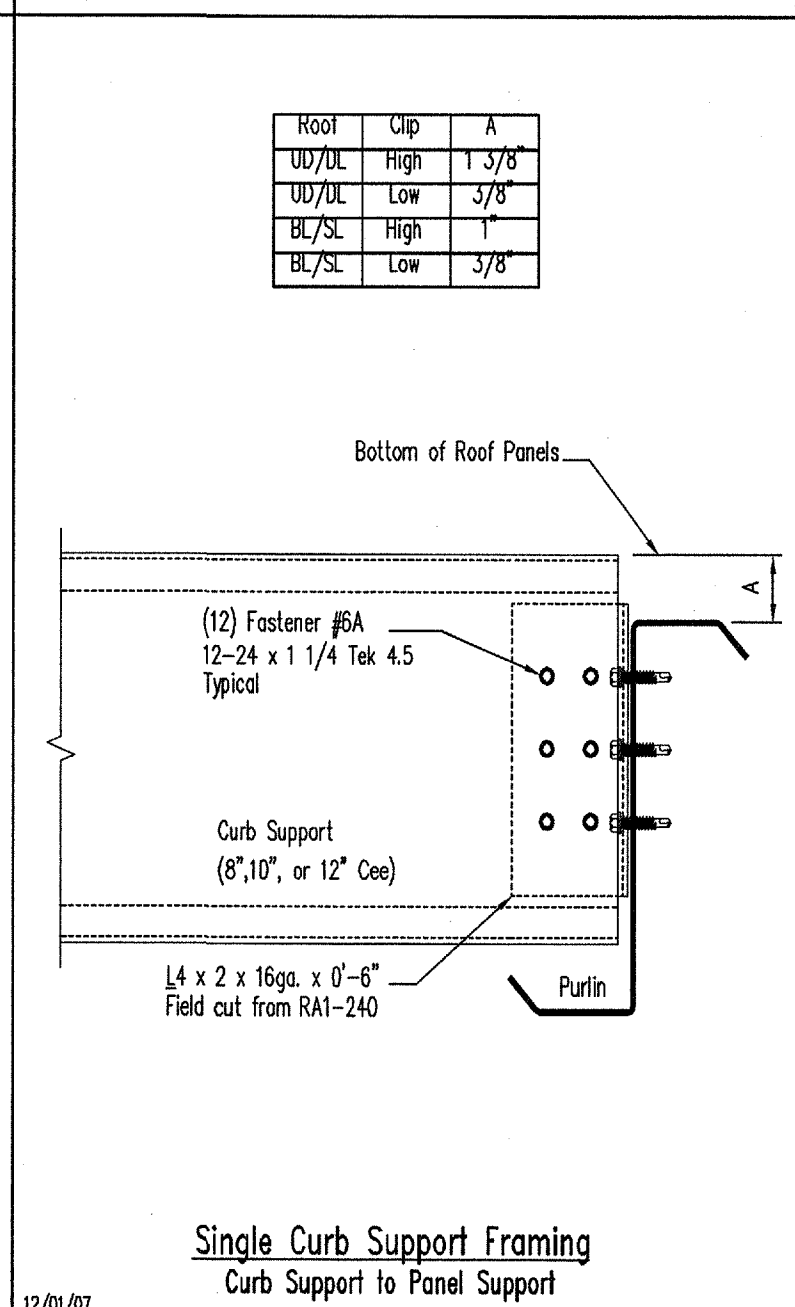
NS0444E4



NS0444E



NS0444E2



NS0444F

NOTE:
1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.
ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting.
If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

REVISIONS					Phase				
NO.	DATE	DESCRIPTION	BY	CHK'D					
0	8-18-09	FOR ERECTOR INSTALLATION	EA						
					Customer: CLOVIS METAL BUILDINGS				
					End User: MONTESSA PARK LABORATORY FACILITY				
					Location: ALBUQUERQUE, NM				
					Det. By	Chk By	Date	Scale	Building ID
								N.T.S.	A
					Job Number		Sheet Number		Issue
					2105-245197		NS-9		0

Standard Details

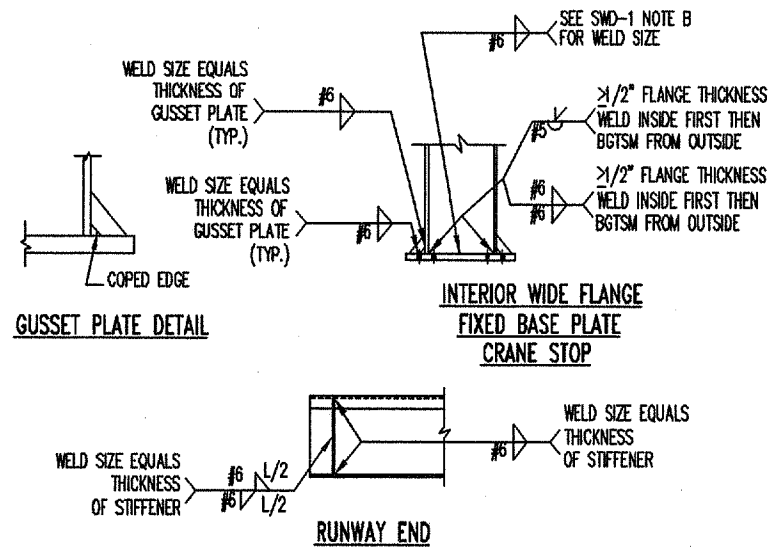
1

2022-09-20-2010

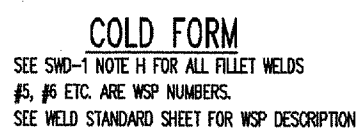
SIZES OF FILLET WELD FOR WEB TO FLANGE WELD.

NOTES:

- A. 3/16" FLANGES ARE NOT TO BE USED FOR WEB THICKNESS OF 1/4" OR OVER UNLESS SPECIFIED BY ENGINEER.
- B. WELD SIZE EQUAL TO THICKNESS OF WEB.
- C. FOR WEB THICKNESS OVER 3/8" ALL FILLET SIZES ARE TO BE SPECIFIED BY ENGINEERING.
- D. WELD BOTH SIDES OF WEB TO FLANGE 3" BEYOND BOTH ENDS OF BRACKET.
- E. MINIMUM WELD SIZES ARE DETERMINED BY THE FOLLOWING CRITERIA:
(t = THICKNESS OF THINNER PART)
IF $t < 1/2"$ WELD SIZE = THICKNESS OF THINNER PART + $1/16"$
IF $t \geq 1/2"$ WELD SIZE = FULL PENETRATION
- F. WELD SIZE IS TO BE $1/16"$ LESS THAN THICKER PART, BUT NOT TO EXCEED THICKNESS OF THINNER PART. (MAX. SIZE: $5/8"$)
- G. OPPOSITE SIDE WELD LENGTH TO BE "a" DIMENSION PLUS 3 INCHES, AND "b" DIMENSION PLUS 3 INCHES.
- H. THE PARTS TO BE JOINED BY FILLET WELDS SHALL BE BROUGHT INTO AS CLOSE CONTACT AS PRACTICAL. THE ROOT OPENING SHALL NOT EXCEED $3/16$ INCH.
IF THE SEPARATION IS GREATER THAN $1/16$ INCH, THE LEG OF THE FILLET WELD SHALL BE INCREASED BY THE AMOUNT OF THE ROOT OPENING



BGTSM = BACK GOUGE TO SOUND METAL
SEE SWD-1 NOTE H FOR ALL FILLET WELDS
#5, #6 ETC. ARE WSP NUMBERS.
SEE WELD STANDARD SHEET FOR WSP DESCRIPTION



NCI Standard Weld Details—Included in this section are NCI standard weld details.

1. Pre-qualified and non pre-qualified joint welding procedures are included in this section.
2. Any welds shown on the shop drawings have precedence over these standards and shall be qualified if required.
3. Each certified welder is to metal stamp his assigned code to those welds that he makes.
4. Each welder is to check his own weld, remove slag and pigtails. he is also to check the weld size, completeness, cracks and imperfections prior to having thn department QC inspector perform his final check.
5. These welds are to meet the current workmanship provisions of AWS D 1.1, D 1.3, and AISC manual of steel construction.
6. Each welder is responsible for his manual or auto weld machine to produce quality welds.
7. Any flame cuts of copes or edges made by the filter or welder are to meet the workmanship criteria of AWS and AISC.
8. If the operator finds that his machine is not performing properly, he is to stop welding, and notify his foreman so that the machine can be fixed by maintenance.
9. All mechanically guided flame cutting is to be performed to produce a clean, smooth, and accurate cut. Excessive slag or drips are to be ground smooth smooth prior to future welding and fitting.

SEE SMD-1 NOTE B
FOR WELD SIZE WELD
FULL LENGTH (TYP.)

F.S.
N.S.

WEB

DETAIL "A"

ENLARGED
DETAIL

WELD SIZE EQUALS
THICKNESS OF WEB

$< 1/2"$ FLANGE
THICKNESS SEE
SMD-1 NOTE E
FOR WELD SIZE

$\geq 1/2"$ FLANGE THICKNESS
WELD INSIDE FIRST THEN
BGTSM FROM OUTSIDE

WELD ON WEB
SIDE FIRST

COPED GUSSET SEE
SMD-8 FIXED BASE
PLATE DETAIL FOR
WELD (TYP.)

WELD SIZE EQUALS
THICKNESS OF WEB
BOTH SIDES OF WEB

WELD SIZE EQUALS
THICKNESS OF WEB

$L/2$

F.S.
N.S.

SEE DETAIL "A"

SEE SMD-1 NOTE F
FOR WELD SIZE (TYP.)

$< 1/2"$ FLANGE
THICKNESS
SEE SMD-1 NOTE E
FOR WELD SIZE

$\geq 1/2"$ FLANGE THICKNESS
WELD INSIDE FIRST THEN
BGTSM FROM OUTSIDE

WELD ON WEB
SIDE FIRST

BGTSM TRANSITION BY
SLOPING WELD SURFACE
10" MAX SLOPE

WELD ON WEB
SIDE FIRST

STIFF. P.

MIN.

O.S. FLANGE L

**ALTERNATE
DETAIL**

WEB SPLICE

#1, #3, #4, #10
OR #10C

NOTE: IF "C" IS GREATER THAN $3/16"$, THEN
WELD AS SHOWN IN ALTERNATE DETAIL.
IF "C" IS LESS THAN $3/16"$, THEN WELD AS SHOWN IN MAIN DETAIL.

PERPENDICULAR KNEE COLUMN TYPE 1

BGTSM = BACK GOUGE TO SOUND METAL (TYP.)
SEE SMD-1 NOTE H FOR ALL FILLET WELDS
#3, #6 ETC. ARE WSP NUMBERS.
SEE WELD STANDARD SHEET FOR WSP DESCRIPTION

NOTE:

1. These drawings are intended to depict general installation of item(s) described above. Some item(s) may have been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.

ATTENTION INSTALLER: In the event that a discrepancy or error arises with materials shipped for this project or these construction drawings, the installer must notify the manufacturer prior to correcting. If manufacturer is not notified, manufacturer will not honor back charges from any party involved.

1/2"

L

1/2"

X

NOTCH PL
1/2" TYP.

#5 $\times \frac{L}{2}$ WELD SIZE EQUALS THICKNESS OF WEB

#5 $\frac{X}{2} \times$ SEE SWD-1 NOTE F FOR WELD SIZE

WELD SIZE EQUALS THICKNESS OF CAP PLATE

3/16" $\frac{L}{2}$

3/16" $\frac{L}{2}$

#5 $\frac{3}{16} \times$

#5 $\frac{3}{16} \times$

3/16" $\frac{L}{2}$

3/16" $\frac{L}{2}$

SEE SWD-1 NOTE F FOR WELD SIZE (TYP.)

WELD SIZE EQUALS THICKNESS OF WEB

WELD SIZE EQUALS THICKNESS OF WEB PLATE

3/16" $\frac{L}{2}$

3/16" $\frac{L}{2}$

#5 $\frac{3}{16} \times$

#5 $\frac{3}{16} \times$

WELD SIZE EQUALS THICKNESS OF WEB

SEE SWD-1 NOTE F FOR WELD SIZE

PIPE OR TUBE COLUMN

STRUCTURAL COLUMN

TYP.

BACKING RING: SAME MATERIAL AS PIPE OR TUBE OR COMMERCIAL BACKING RING FOR PIPE

#7, #8, #8A

#5 $\frac{L}{2}$

TUBE BRACKET

STRUCTURAL DETAILS

BGTSM = BACK GOUGE TO SOUND METAL (TYP.)
 SEE SWD-1 NOTE H FOR ALL FILLET WELDS
 #5, #6 ETC. ARE WSP NUMBERS.
 SEE WELD STANDARD SHEET FOR WSP DESCRIPTION

been omitted for clarity of presentation. Consult your erection manual or additional S-Sheets for further guidelines and/or clarifications.
 If any corrections to these construction drawings, the installer must notify the manufacturer prior to correcting.
 If any corrections are required, the manufacturer must be notified.

and/or clarifications.

WSP #	DESCRIPTION	WELD CODE	PROCESS	PRQ	POSITION	LIMITATION	F	T	MA	A	MO	H	C	X
#1	Weld 1	SL GROOVE BUTT JOINT	GNAW	YES	1G	3/8" Max.	X	X	X	X	X	X	X	X
#2	Weld 2	SL GROOVE BUTT JOINT	GNAW	YES	1G	1/8" Max.	X	X	X	X	X	X	X	X
#3	Weld 3	SINGLE-V-GROOVE	GNAW	YES	1G	Unlimited	X	X	X	X	X	X	X	X
#4	Weld 4	SINGLE-V-GROOVE	GNAW	YES	1G	Unlimited	X	X	X	X	X	X	X	X
#5	Weld 5	SINGLE BEVEL GROOVE	GNAW	YES	2F	Unlimited	X	X	X	X	X	X	X	X
#6	Weld 6	FLARE-V-GROOVE	GNAW	YES	2F	Unlimited	X	X	X	X	X	X	X	X
#7	Weld 7	FLARE-V-GROOVE	GNAW	YES	2F	Unlimited	X	X	X	X	X	X	X	X
#8	Weld 8	FLARE-V-GROOVE FOR PIPE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#9	Weld 9	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#10	Weld 10	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#11	Weld 11	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#12	Weld 12	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#13	Weld 13	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#14	Weld 14	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#15	Weld 15	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#16	Weld 16	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#17	Weld 17	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#18	Weld 18	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#19	Weld 19	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#20	Weld 20	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#21	Weld 21	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#22	Weld 22	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#23	Weld 23	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#24	Weld 24	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#25	Weld 25	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#26	Weld 26	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#27	Weld 27	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#28	Weld 28	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#29	Weld 29	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#30	Weld 30	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#31	Weld 31	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#32	Weld 32	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#33	Weld 33	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#34	Weld 34	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#35	Weld 35	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#36	Weld 36	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#37	Weld 37	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#38	Weld 38	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X	X	X	X	X	X
#39	Weld 39	FLARE-V-GROOVE FOR TUBE	GNAW	YES	1G Rot	Unlimited	X	X	X</					

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHK'D
	7-14-09		DEH	DGW
0	8-18-09	FOR ERECTOR INSTALLATION	FA	

Customer: CLOVIS METAL BUILDINGS			
End User: MONTESSA PARK LABORATORY FACILITY			
Location: ALBUQUERQUE, NM			
Det. By	Chk By	Date	

REVISIONS				
NO.	DATE	DESCRIPTION	BY	CHK
	7-14-09		DEH	DEH
0	8-18-09	FOR ERECTOR INSTALLATION	EA	

Shirley
Sep-20-2010

1. Applicable Codes and Standards:
International Building Code, 2006
COA Zoning Code, latest edition

1. Applicable Codes and Standards:
International Building Code, 2006
COA Zoning Code, latest edition
2. Land Use Zone: M -1
3. Total Gross Square Footage: 3,000 SF
4. Occupancy Classification:
Per IBC 302.1 (p.23), Section 304 (p.26)
Group B: Business; Laboratory, Offices
5. Construction Type:
Per IBC Table 601 (p.83)
Fire resistive rating: Type II-B
6. Opening Protection Required:
Per IBC Table 602 (p.83)
Type II B separation equal or $\geq 10'$ & $\leq 30'$: No Rating
7. Allowable Height and Building Area
Per IBC Table 503 (p.74)
Group B: Type II B (See Sprinkler System note below)
Allowable Height: 4 Stories 55'
Allowable Area: 23,000 SF BASIC
BUILDING IS FULLY SPRINKLED

FIRE PROTECTION SYSTEM DATA:

1. The cluster of buildings on this site is on a private water well. The well pump on site has a capacity to pump water into a storage tank at a rate that exceeds 250 gallons per minute. The well storage tank capacity exceeds 26,000 gallons. The storage tank supplies domestic water to an existing fire hydrant located within 100 feet of the new structure.

	WINDOW SCHEDULE
	DOOR SCHEDULE
OFFICE 	ROOM NUMBER
109 SQ. FT. 	ELEVATION
	SECTION CUT

Project Description:
New 3000 SF Office/Laboratory Facility

Project Location:
3400 Los Picaros Road, SE
Montessa Park
Albuquerque, New Mexico 87102

Project Owner:
City of Albuquerque
Department of Environmental Health
City/County Government Building
One Civic Plaza NW, Room 3023
Albuquerque, New Mexico 87103

OWNER
City of Albuquerque
Department of Environmental Health
City/County Government Building
One Civic Plaza NW, Room 3023
Albuquerque, New Mexico 87103
Ralph Gruebel, Manager
(505) 873-6613

Architect/Engineer

DMJM H&N
201 Third St. NW
Albuquerque, NM 87102
T: (505)-889-4100
F: (505)-884-7231

GEO-TECHNICAL

Geo-Technical Engineering Report
Project No. 66045060
November 12, 2004

ACOUS.
A.B.
A.D.
ADJ.
ACOR.
AL.
APPROX.
ARCH.
ASPH.
A.F.F.

BD.
BITUM.
BLKG.
BLK.
BLKG.
BM.
BOT.
B.U.R.

CAB.
C.B.
CEM.
CER.
C.I.
C.G.
C.J.
C.L.
CLK.
CLS.
CLR.
C.O.
C.O.L.
CONC.
C.M.U.
CONN.
CONSTR.
CONSTR.
CORR.
CTSK.
COUNTER.
CTR.
CTR.
CARP.

DBL.
DEPT.
D.F.
DET.
DIA.
DIAL.
DISP.
DN.
D.O.
D.R.
DWR.
DWS.
D.S.P.
DRWG.
DW.

E.
EA.
EL.
EL.
ELEV.

ACoustICAL
ANCHOR BOLT
AREA DRAIN
ADJUSTABLE
AGGREGATE
ALUMINUM
APPROXIMATE
ARCHITECTURAL
ASPHALT
ABOVE FINISH FLOOR

BOARD
BITUMINOUS
BUILDING
BLOCK
BLOCKING
BEAM
BOTTOM
BUILT UP ROOFING

CABINET
CATCH BASIN
CEMENT
CERAMIC
CAST IRON
CONTROL JOINT
CORNER GUARD
CEILING
CALKING
CLOSET
CLEAR
CASE OPENING
COLUMN
CONCRETE
CONCRETE MASONRY UNIT
CONNECTION
CONSTRUCTION
CONTINUOUS
CORRIDOR
COUNTERSUNK
COUNTER
CENTER
CARPET

DOUBLE
DEPARTMENT
DRINKING FOUNTAIN
DETAIL
DIAMETER
DIMENSION
DISPENSER
DOWN
DOOR OPENING
DOOR
DRAWER
DOWNSPOUT
DRY STANDPIPE
DRAWING
DISHWASHER

EAST
EACH
EXPANSION JOINT
ELEVATION

ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMER.	EMERGENCY
ENCL.	ENCLOSURE
EQ.	EQUAL
EQPT.	EQUIPMENT
E.W.C.	EXHAUST WATER COOLER
EXIST. or (E)	EXISTING
EXPO.	EXPOSED
EXP.	EXPANSION
EXT.	EXTERIOR
F.A.	FIRE ALARM
F.B.	FLAT BAR
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.C.	FIRE HOSE CABINET
FIN.	FINISH
F.H.M.S.	FLAT HEAD MACHINE SCREW
F.W.S.	FLAT HEAD WOOD SCREW
FL.	FLOOR
FLASH.	FLASHING
FLOOR.	FLOURESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.S.	FACE OF STUDS
FP	FIREPROOF
FRP.	FIBERGLASS REINFORCED PLASTIC (PANELING)
F.S.	FLAT SIZE
FT.	FOOT or FEET
FTG.	FOOTING
FURR.	FURRING
FUT.	FUTURE
G.I.	GALVANIZED IRON
GA.	GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
GL.	GLASS
GND.	GROUND
GR.	GRADE
GYP.	GYPSUM
H.B.	HOSE BIB
H.C.	HOLLOW CORE
HDWD.	HARDWOOD
HDWE.	HARDWARE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HR.	HOUR
HGT.	HEIGHT
H.C.	HANDICAPPED
H.C.D.F.	HANDICAPPED DRINKING FOUNTAIN
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
JAN.	JANITOR
JT.	JOINT.

9. Occupancy Requirements
Per IBC Table 1004.1.2 (p.195)
Occupancy Classification:
B: Conference: 370 SF / 100 SF per Occupant = 4 Occs.
Laboratory: 475 SF / 50 SF per Occupant = 10 Occs.
GIS Lab: 305 SF / 50 SF per Occupant = 7 Occs.
Office: 110 SF / 100 SF per Occupant = 2 Occs.
Office: 160 SF / 100 SF per Occupant = 2 Occs.
Mechanical: 52 SF / 300 SF per Occupant = 1 Occ.

Total Combined Occupancy = 32 Occupants

10. Egress Width: Doors
Per IBC Table 1006.1 (p.196)
User: Other Egress Components: Sprinkled: 0.15"
B: Conference: 4 Occupants x 15 = 0.6" required
1 exit required, 34.5" total exit width provided
Laboratory: 10 Occupants x 15 = 1.5" required
1 exit required, 34.5" total exit width provided
GIS Lab: 7 Occupants x 15 = 1.05" required
1 exit required, 34.5" total exit width provided
Corridor: 35 Occupants x 15 = 3.3" required
3 exits provided, 103.5" total exit width provided

11. Minimum Required Fixture requirements: Per IBC Table 2902.1 (p.548)

Group B; Business: (17) Male & (18) Female Occupants

Per IBC Table 2902.1; (1) male watercloset required - (1) female watercloset required

Per IBC Table 2902.1; (1) male lavatory required - (1) female watercloset required

Per IBC Table 2902.1; (1) Drinking Fountain

Per IBC Table 2902.1; (1) Service Sink

JST.	JOIST
KIT.	KITCHEN
LAB.	LABORATORY
LAM.	LAMINATE
LAV.	LAVATORY
LKR.	LOCKER
LT.	LIGHT
MAT.	MATERIAL
M.C.	MEDICINE CABINET
MECH.	MECHANICAL
M.B.	MEMBRANE
MFR.	METAL
M.H.	MANUFACTURED
MIN.	MAN HOLE
MIR.	MINIMUM
MISC.	MIRROR
M.O.	MISCELLANEOUS
M.TD.	MASONRY OPENING
MUL.	MOUNTED
	MULLION
N.	NORTH
N.I.C.	NOT IN CONTRACT
N.O. #	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.A.	OVERALL
OBS.	OBSCURE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFF.	OFFICE
OPNG.	OPENING
OPP.	OPPOSITE
O.H.	OPPOSITE HAND
OV.	OVER
PRCST.	PRECAST
PL.	PLATE
P.LAM.	PLASTIC LAMINATE
P.L.S.	PLYWOOD
P.LYWD.	PLYWOOD
PR.	PAIR
PT.	POINT
P.T.D.	PARALLEL TOWEL DISK
P.T.D. /	COMBINATION PAPER
PTN.	DISPENSER / RECEPTION
P.T.R.	PARTITION
	PAPER TOWEL RECEPT
Q.T.	QUARRY TILE
R.	RISE
RAD.	RADIUS
REF.	ROOF DRAIN
REF.	REFERENCE
REINF.	REINFORCED
REQ.	REQUIRED
RESIL.	RESILIENT
RM.	ROOM
R.O.	ROUGH OPENING

R.H.M.S.	ROUND HEAD MACHINE
R.H.W.S.	SCREW
R.H.W.S.	ROUND HEAD WOOD SCREW
RED.	REDWOOD
R.W.L.	RAIN WATER LEADER
S.	SOUTH
S.C.	SOLID CORE
S.C.D.	SEAT COVER DISPENSER
S.CHEUDLE	SCHEDULE
S.D.	SOAP DISPENSER
SECT.	SECTION
SH.	SHELF
SHR.	SHOWER
SHT.	SHEET
SHTHG.	SHEATHING
SIM.	SIMILAR
S.N.D.	SANITARY NAPKIN DISPENSER
S.N.R.	SANITARY NAPKIN RECEPTACLE
SPEC.	SPECIFICATION
SQ.	SQUARE
S.S.STL.	STAINLESS STEEL
S.S.	SERVICE SINK
STA.	STATION
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRL.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T.	TREAD
T.B.	TOWEL BAR
T.C.	TOP OF CURB
TEL.	TELEPHONE
TER.	TERRAZZO
T. & G.	TONGUE AND GROOVE
THK.	THICK
T.P.	TOP OF PAVEMENT
T.P.D.	TOILET PAPER DISPENSER
T.V.	TELEVISION
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.W.	TOP OF WALL
TYP.	TYPICAL
UNF.	UNFINISHED
U.O.N.	UNLESS OTHERWISE NOTED
UR.	URINAL
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
VEST.	VESTIBULE
V.W.C.	VINYL WALL COVERING
W.I.	WROUGHT IRON
W.	WEST
W /	WITH
W.C.	WATER CLOSET
WD.	WOOD
W / O	WITHOUT
WP.	WATERPROOF
WSC.	WAINSCOT
WT.	WEIGHT
WIN.	WINDOW

DMJM DESIGN | AECOM
201 THIRD ST, ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjm.com

G1.01

CITY OF ALBUQUERQUE
DEPARTMENT OF ENVIRONMENTAL HEALTH
DESIGN CRITERIA AND PROJECT DIRECTORY

ONTESSA PARK LAB FACILITY **DECEMBER 2008**
DESIGN CRITERIA AND ABBREVIATIONS

Design Review Committee	City Engineer Approval

City Project No.
7940.02

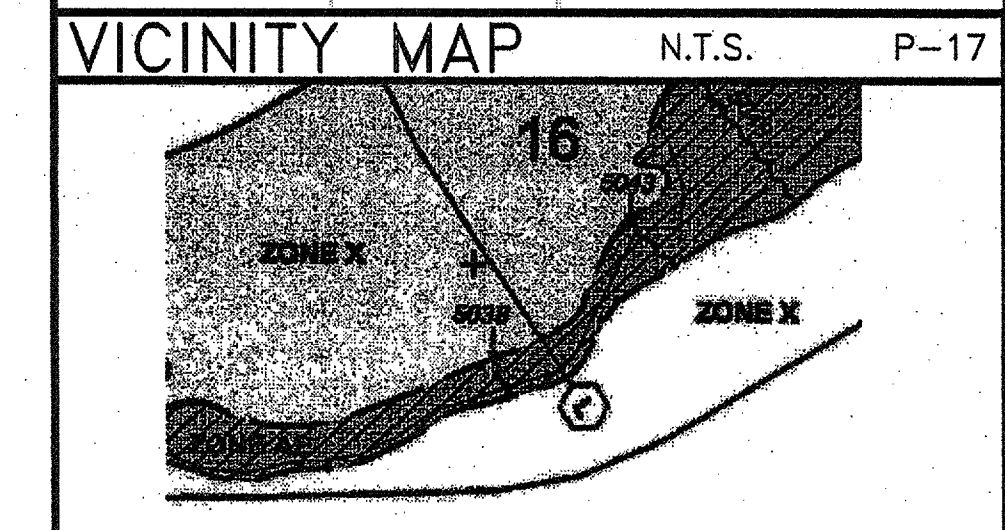
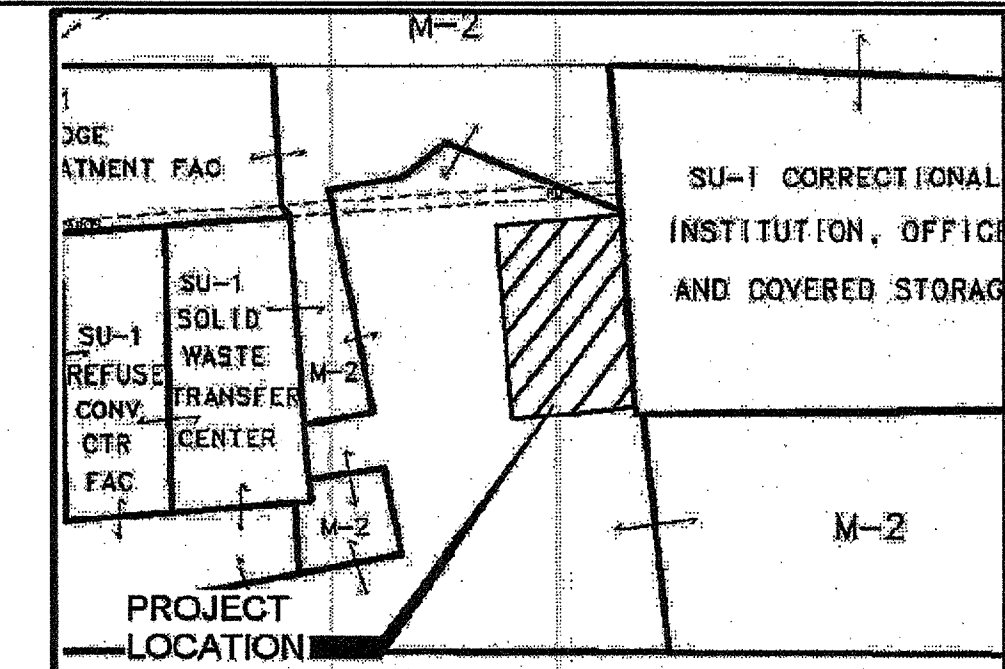
Zone Map No.
P-17-Z

Sheet **2**  Of **31**

[illegible]

C1.01 REF. SCALE: 1" = 20'-0"

THIS GRADING AND DRAINAGE PLAN IS BEING DEVELOPED FOR THE NEW LABORATORY AT THE MONTESSE PARK FACILITY LOCATED SOUTH OF LOS PICHOS ROAD IN THE SOUTHEAST AREA OF ALBUQUERQUE. THE SITE CURRENTLY SLOPES FROM SOUTHWEST TO NORTHEAST AND EXISTING POND ADJACENT TO LOS PICHOS ROAD. THE POND HAS AN EXISTING CAPACITY OF APPROXIMATELY 11,500 CUBIC FEET. THE EXISTING LABORATORY BUILDING WILL BE CONSTRUCTED ADJACENT TO AN EXISTING PAVED AREA AND THE SITE WILL BE GRADED TO CONTINUE WITH THE HISTORIC DRAINAGE PATTERN. THE EXISTING POND HAS ADEQUATE CAPACITY TO ACCOMMODATE THE ADDITIONAL RUNOFF CREATED BY THE NEW CONSTRUCTION.



FLOOD PLAIN	N.T.S.	344 OF 825
-------------	--------	------------

1. NOTIFY CIVIL ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN THE DRAWINGS OR SPECIFICATIONS.

TRACT IN SOUTH HALF OF SOUTH WEST QUARTER T9N, R3E, SECTION 10 MONTESSA PARK.

1017-053-131-065-301-02

_____	EXISTING CONTOUR
=====	PROPOSED CONTOUR
● <u>TOW = 52.25</u>	SPOT ELEVATION
_____	PROPERTY BOUNDARY
_____ . . . _____	DIRECTION OF FLOW (SWALE)
=====	DRAINAGE AREA BOUNDARY
TOW	TOP OF WALK
TOC	TOP OF CONCRETE
FL	FLOW LINE

Montessa Park Laboratory Building				
Hydrology Calculations				
Date: NOVEMBER 20, 2008				
DPM -- Section 22.2				
Volume 2, January 1993				
Precipitation Zone	2			
100 Year Storm Depth, P (360)	2.35 IN.			
Treatment Area	A	B	C	D
Excess Precipitation Factors	0.53	0.78	1.13	2.12
Peak Discharge Factors	1.56	2.28	3.14	4.70
Land Treatment Area (Acres)		Existing		Proposed
Type "D" (Roof)		0.48		0.60
Type "C" (Unpaved Roadway)		0		0
Type "B" (Irrigated Lawns)		0		0
Type "A" (Undeveloped)		0.32		0.20
Total (Acres)		0.80		0.80
Excess Precipitation(in)		1.48		1.72
Volume (100), cfs		4298		4995
Q (100), cfs		2.76		3.13

201 THIRD ST, ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmj.com

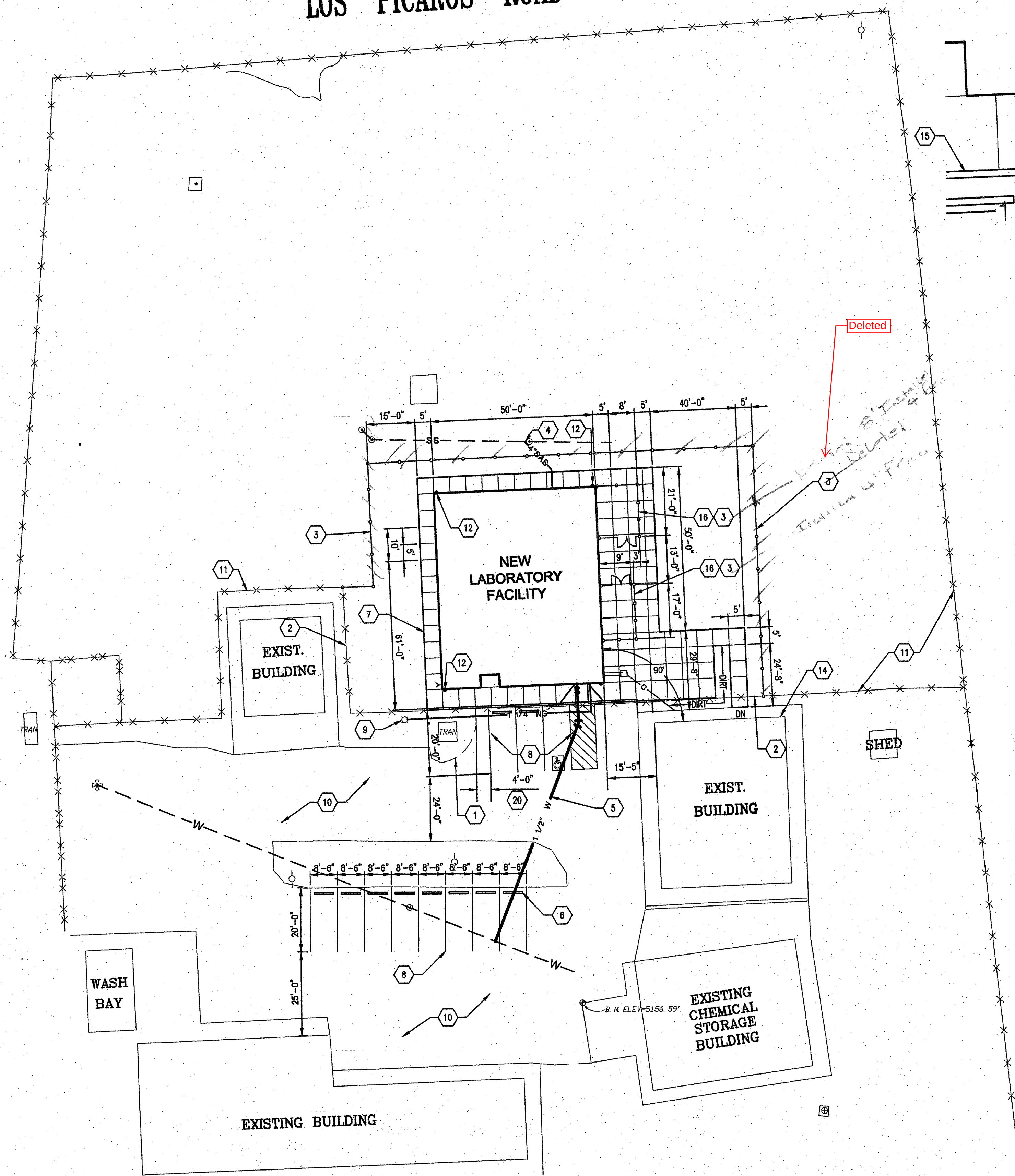
TITLE: MONTESSA PARK LAB FACILITY **DECEMBER 2008**
GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	MO./DAY/YR.	MO./DAY/YR.

City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 3	Of 31
------------------------------------	-------------------------------	-------------------	-----------------

NO. DATE		REVISIONS / REMARKS		BY	SEAL	SURVEY INFORMATION		BENCHMARK		AS BUILT INFORMATION		
Δ		BID SET		DLW		FIELD NOTES				CONTRACTOR	DATE:	
						NO.	BY	DATE		WORK STAGED BY	DATE:	
										X = 394,204.96, Y = 1,460,918.14	INSPECTOR'S APPROVAL	DATE: <i>07/20/08</i>
										ELEVATION = 5154.73	FIELD VERIFICATION BY	DATE:
										PAD.	DRAWING CORRECTED BY	DATE:
									ELEVATION = 5154.73	MICRO-FILM INFORMATION		
DESIGNED BY:	MT	DATE: NOVEMBER 2008							THE LOCAL PROJECT BENCHMARK IS THE NORTHWEST	RECORDED BY	DATE:	
DRAWN BY:	JLM	DATE: NOVEMBER 2008							CORNER OF CHEMICAL BUILDING PAD.	NO.		
CHECKED BY:	DJL	DATE: NOVEMBER 2008							ELEVATION = 5156.59			

LOS PICAROS ROAD



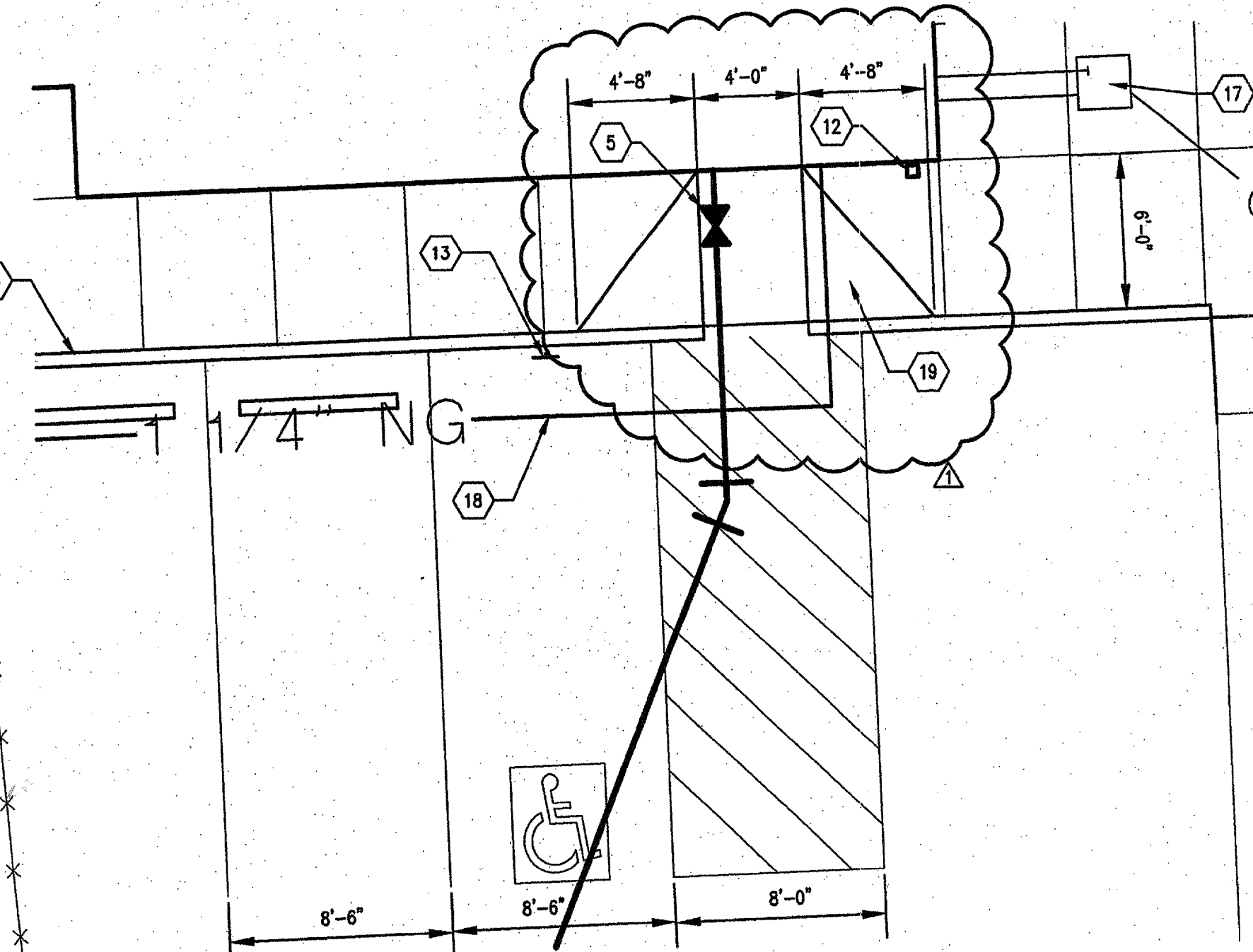
1 SITE PLAN

C1.02 REF.

SCALE: 1" = 20'-0"

GENERAL NOTES (CONT)

- M. THREE ADDITIONAL STANDARD PARKING SPACES ARE PROVIDED OUTSIDE THE PROJECT FENCED AREA NEAR THE WEST ENTRANCE TO THE SITE.
- L. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY SECTION 301.1 AND COA STANDARD DRAWING 2465.



2 ACCESSIBLE PARKING PLAN

C1.02 REF.

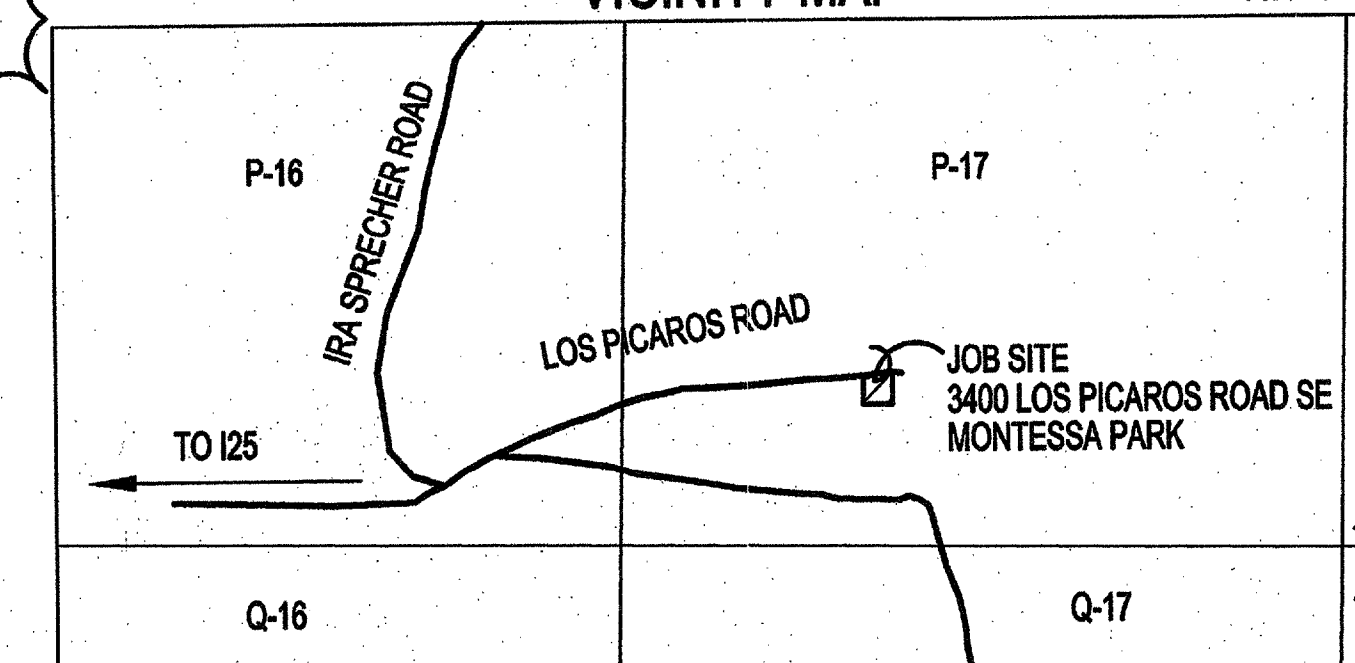
SCALE: 1" = 5'-0"

PARKING SPACE TABLE

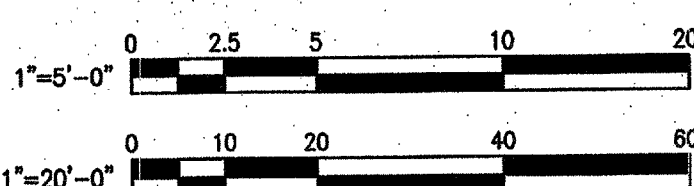
SPACES AVAILABLE	SPACES TYPE
1	HANDICAP
1	MOTORCYCLE
10	STANDARD
3	STANDARD PARKING PROVIDED OUTSIDE THE PROJECT FENCED AREA NEAR THE WEST ENTRANCE TO THE SITE.

* 3,000 Sq. Ft. OFFICE SPACE DIVIDED BY 200 Sq. Ft. PER PARKING SPACE.

VICINITY MAP



MAP NO. OVERALL ZONE MAP NO. P-17-Z



GENERAL NOTES

- A. NOTIFY CIVIL ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN THE DRAWING OR SPECIFICATIONS.
- B. ALL WORK DETAILED ON THESE DRAWINGS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED, BE CITY OF ALBUQUERQUE (C.O.A.) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS AMENDED THROUGH UPDATES NO. 7, INCLUDING AMENDMENT 1, HEREBY REFERRED TO AS THE SPECIFICATIONS. REFERENCES MADE TO STANDARD DRAWINGS IMPLY THAT SECTION OF THE SPECIFICATIONS, WHICH INCLUDES MISCELLANEOUS STANDARD DETAILS.
- C. LOCATION OF UTILITIES ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PERMANENT UTILITIES IN THE FIELD. CONTACT NEW MEXICO ONE CALL SYSTEM, INC. AT 505-260-1990 TWO WORKING DAYS PRIOR TO ANY EXCAVATION WORK.
- D. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPORT ALL UTILITIES EXPOSED DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES, INCLUDING SERVICE LINES.
- E. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- F. CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS.
- G. ELECTRONIC MARKER SPHERE (EMS) SHALL BE INSTALLED ON ALL NEW WATER AND SEWER SYSTEMS IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATION SECTION 170.
- H. A MINIMUM SCHEDULE 40 PVC SHALL BE USED FOR SEWER SERVICES FROM THE MAIN TO THE BUILDING (4" AND SMALLER). SDR35 PIPE SHALL BE USED FOR ALL OTHER SANITARY SEWER INSTALLATIONS.
- I. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH PNM GAS AND ELECTRIC SERVICE PROVIDERS.
- J. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART F.
- K. WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.

KEYED NOTES

- REMOVE EXISTING ASPHALT CURB AS NEEDED.
- REMOVE EXISTING CHAINLINK FENCE.
- INSTALL NEW 8' HIGH CHAINLINK FENCE PER CITY OF ALBUQUERQUE (COA) STANDARD DRAWING (STD DWG) 2252.
- INSTALL NEW 4" SANITARY SEWER SERVICE PER COA STD DWG 2125.
- INSTALL NEW 1 1/2" METERED WATER SERVICE LINE PER COA STD DWG 2363.
- PLACE NEW CONCRETE PARKING BUMPERS.
- PLACE NEW CONCRETE SIDEWALK PER COA STD DWG 2430.
- PLACE NEW 4" WIDE WHITE PARKING STRIPING AT ALL STANDARD PARKING STALLS, PLACE 4" WIDE BLUE STRIPING AT ADA ACCESSIBLE PARKING AREA.
- EXISTING GAS METER AND EXISTING SHUT OFF VALVE TO REMAIN.
- EXISTING ASPHALT PAVING.
- EXISTING CHAINLINK FENCE TO REMAIN.
- RAINWATER DOWNSPOUT, SEE ARCHITECTURAL SHEETS FOR INFORMATION.
- INSTALL ADA VAN ACCESSIBLE SIGN.
- EXISTING CONCRETE SIDEWALK.
- INSTALL 6" STANDARD CONCRETE CURB AND GUTTER IN ACCORDANCE WITH COA STD DWG 2415A.
- FENCE ENCLOSED MECHANICAL YARD WITH GATE.
- INSTALL TWO 4" ELECTRICAL CONDUITS FROM THE MECHANICAL/ELECTRIC ROOM TO A NEW HAND HOLE. ONE 4" CONDUIT SHALL CONTINUE AND TIE-IN TO THE MAIN TELECOM ROOM IN THE EXISTING BUILDING. CONTRACTOR SHALL VERIFY LOCATION OF THE TELECOM ROOM.
- INSTALL NEW 1 1/2" NATURAL GAS SUPPLY LINE.
- INSTALL ADA ACCESSIBLE RAMP, MAXIMUM SLOPE SHALL BE 1:12.
- NEW 4'-0" x 8'-0" MOTORCYCLE PARKING.

DMJM DESIGN | AECOM

201 THIRD ST., ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjm.com

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH

TITLE: MONTESSA PARK LAB FACILITY SITE PLAN

DECEMBER 2008

Design Review Committee	City Engineer Approval	Update	MO 2/28/2008	MO 2/28/2008

City Project No. **7940.02** Zone Map No. **P-17-Z** Sheet **4** of **31**

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		FIELD NOTES		SEAL		BY		REVISIONS / REMARKS		NO. DATE		DESIGNED BY: MT DATE: NOVEMBER 2008		DRAWN BY: JLM DATE: NOVEMBER 2008		CHECKED BY: DJL DATE: NOVEMBER 2008	
CONTRACTOR	DATE:	A.C.S. BRASS CAP 1-P17		NO.	DATE	NO.	DATE														
WORK STAKED BY	DATE:	X = 394,204.96, Y = 1,460,918.14																			
INSPECTOR'S APPROVAL	DATE:	ELEVATION = 5154.73																			
FIELD VERIFICATION BY	DATE:																				
DRAWING CORRECTED BY	DATE:																				
MICRO-FILM INFORMATION	DATE:																				
RECORDED BY	DATE:																				
NO.																					



- 1 of 31

GENERAL STRUCTURAL NOTES

GENERAL REQUIREMENTS

- A. CODES AND MANUALS
1. INTERNATIONAL BUILDING CODE (IBC) 2006.
 2. AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
 3. ACI 318-05 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
 4. AISC LRFD MANUAL OF STEEL CONSTRUCTION 13TH EDITION.
- B. DESIGN LOADS
1. MINIMUM DESIGN LOADS IN ACCORDANCE WITH ASCE 7-05 UNLESS NOTED OTHERWISE.
- (A) DEAD LOADS:
- (1) SELFWEIGHT OF MATERIAL.
 - (2) WEIGHT OF PERMANENT INSTALLED EQUIPMENT, DUCTS, PIPING (OPERATING LOADS), PLUMBING STACKS, ELECTRICAL RACEWAYS AND SUSPENDED CEILING.
- (B) LIVE LOADS:
- (1) ROOF DESIGN LIVE LOAD: 20 PSF UNIFORM LOAD (NON-REDUCIBLE) AND 200 LB. CONCENTRATED LOAD.
 - (2) FLOOR LIVE LOAD
- (C) WIND LOADS:
- (1) BASIC WIND SPEED: $V = 90$ MPH (3 SECOND GUST).
 - (2) EXPOSURE CATEGORY: "C".
 - (3) BUILDING CATEGORY: II.
 - (4) IMPORTANCE FACTOR: $I = 1.0$.
 - (5) TOPOGRAPHIC FACTOR: $K_{zt} = 1.0$
 - (6) VELOCITY PRESSURE EXPOSURE COEFFICIENT: $K_h = 0.85$
 - (7) WIND DIRECTIONALITY FACTOR: $K_d = 0.85$
- (D) SEISMIC LOADS:
- (1) BUILDING CATEGORY: II.
 - (2) SITE CLASS: D (STIFF SOIL PROFILE).
 - (3) SEISMIC DESIGN CATEGORY: C
 - (5) DESIGN SPECTRA RESPONSE ACCELERATION PARAMETERS (2/3 MCE GROUND MOTION): $S_{ds}=0.540g$, $S_{d1}=0.253g$
 - (6) RESPONSE MODIFICATION COEFFICIENT: $R = 3.5$
 - (7) IMPORTANCE FACTOR: $I = 1.0$
- (E) SNOW LOADS:
- (1) GROUND SNOW LOAD: $P_g = 15$ PSF.
 - (2) EXPOSURE FACTOR: $C_e = 0.9$.
 - (3) THERMAL FACTOR: $C_t = 1.0$.
 - (4) IMPORTANCE FACTOR: $I = 1.0$.
 - (5) ROOF SNOW LOAD: $P = 20$ PSF.

C. THE GENERAL STRUCTURAL NOTES AND REQUIREMENTS ON STRUCTURAL DRAWINGS SUPERSEDES ALL CONFLICTING SPECIFICATIONS.

D. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS PRIOR TO STARTING WORK AND SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES. ANY OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS SHALL BE RESOLVED BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK.

E. SHOP DRAWINGS SHALL BE FURNISHED FOR REVIEW BEFORE ANY FABRICATION AND ERECTION IS STARTED. POORLY EXECUTED SHOP DRAWINGS SHALL BE REJECTED AND RESUBMITTED.

F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.

G. ALL TRADES SHALL COORDINATE AND VERIFY ALL OPENINGS IN ROOF, WALLS, AND BEAM/JOISTS WITH THE GENERAL CONTRACTOR.

H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOUNDATIONS UNDER VAULTS/MECHANICAL EQUIPMENT AND SHALL COORDINATE SIZE AND LOCATION OF REQUIRED FOUNDATIONS WITH SUBCONTRACTORS.

I. WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.

J. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO LOCATE AND PROTECT UNDERGROUND OR CONCEALED CONDUITS, PLUMBING, OR OTHER UTILITIES.

GENERAL MATERIAL REQUIREMENTS

- A. CAST-IN-PLACE CONCRETE:
1. HARDROCK CONCRETE (UNIT WT. = 150 pcf)
 - a. $f'_c = 3000$ psi @ 28 DAYS TYPE I/II (AIR ENTRAINED) - ALL CAST-IN-PLACE CONCRETE INCLUDING SIDEWALKS, SLABS, PADS, TURNDOWNS, SPOT FOOTINGS AND PEDESTALS
 2. STRUCTURAL CONCRETE AGGREGATE SHALL CONFORM TO ASTM C33 OF STANDARD WEIGHT.
 3. ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER. ADMIXTURES USED TO INCREASE THE WORKABILITY OF THE CONCRETE SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT (CALCIUM CHLORIDE SHALL NOT BE USED). CONCRETE SHALL NOT COME IN CONTACT WITH ALUMINUM.
 4. TIE ALL INSERTS, ANCHOR BOLTS OR OTHER EMBEDDED ELEMENTS SECURELY IN PLACE PRIOR TO PLACEMENT OF CONCRETE.
 5. CONTRACTOR SHALL MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED.
- B. REINFORCING STEEL:
1. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
 2. REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND THE STANDARD MANUAL (ACI 315).
 3. BAR SUPPORTS AND SPACERS FOR REBAR SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315. CHAIRS WITH 22 ga. SAND PLATES SHALL BE PROVIDED FOR ALL REBAR IN SLAB-ON-GRADE.
 4. WHERE LAPPED SPLICES IN REINFORCING OCCUR, THE MINIMUM LAP SHALL BE MADE AS FOLLOWS UNLESS NOTED OTHERWISE:
 - (A) VERTICAL REINFORCING: 40 BAR DIA. OR 18" MINIMUM.
 - (B) HORIZONTAL REINFORCING: 40 BAR DIA. OR 18" MINIMUM.
 - (C) HORIZONTAL CORNER BARS: 40 BAR DIA. OR 18" MINIMUM.
 5. CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:
 - (A) FOOTINGS: 3" FROM BOTTOM.
 - (B) STEM WALLS: 2" FROM SIDES AND 2" FROM TOP AND BOTTOM.
 - (C) SLAB-ON-GRADE: SHALL BE CENTERED WITHIN SLAB THICKNESS.
 - (D) TURNDOWNS AND PEDESTALS: 1 1/2" FOR PRIMARY REINFORCING TIES, STIRRUPS AND SPIRALS.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT ALL REBAR IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL GRADE BEAM DOWELS, TIES AND VERTICAL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAINS IN POSITION DURING THE PLACEMENT OF CONCRETE. ANY REBAR FOUND TO BE IMPROPERLY INSTALLED SHALL BE REMOVED AND RE-INSTALLED AT NO ADDITIONAL COST TO THE OWNER.
 7. ALL HORIZONTAL REINFORCING IN TURNDOWNS, WALLS, AND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP A MINIMUM OF 40 BAR DIA. OR 18" MINIMUM.
 8. SUBSTITUTION OF EXPANSION ANCHORS FOR EMBEDDED ANCHORS SHOWN ON DRAWINGS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.

GENERAL MATERIAL REQUIREMENTS (CONT.)

- B. REINFORCING STEEL (CONTINUED):
9. FORM TIES SHALL BE EITHER OF THREADED OR SNAP OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1" OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF THE FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.
 10. WELDED WIRE FABRIC SHALL BE SMOOTH AND CONFORM TO ASTM A185. PROVIDE IN FLAT SHEETS ONLY.
- C. STRUCTURAL AND MISCELLANEOUS STEEL:
1. ALL STRUCTURAL STEEL MEMBERS SUCH AS COLUMNS, BEAMS, GIRTS, AND BRACES SHALL BE ASTM A992 GRADE 50. MISCELLANEOUS STEEL ITEMS SHALL BE ASTM A36. STEEL TUBES SHALL BE ASTM A500, GRADE B.
 2. STEEL BEAMS SHALL BE CONCENTRIC WITH COLUMNS.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE ARCHITECTURAL DRAWINGS FOR ALL MISCELLANEOUS STEEL.
 4. BOLTS SHALL CONFORM TO ASTM A325 TENSION CONTROL BOLTS, UNLESS NOTED OTHERWISE, WITH SIZES AS SHOWN ON THE DRAWINGS. ANCHOR BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM A307 BOLTS OR A36 THREADED BARS. ALL BOLT HOLES SHALL BE 1/32" TO 1/16" OVERSIZED.
 5. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL BE IN ACCORDANCE WITH THE AWS STRUCTURAL WELDING CODE - STEEL 2008 AND AISC LRFD MANUAL OF STEEL CONSTRUCTION 13TH EDITION. INSPECT ALL WELDING IN ACCORDANCE WITH THE ICC IBC 2006.
 6. ALL FIELD WELDS SHALL BE VISUALLY INSPECTED. ALL WELDS WHICH ARE NOT ACCEPTABLE FROM VISUAL INSPECTION SHALL BE REPAIRED.
 7. NO OPENINGS SHALL BE CUT IN STRUCTURAL MEMBERS UNLESS SHOWN ON THE CONTRACT DRAWINGS.

PRE-ENGINEERED METAL BUILDING NOTES

1. THE BUILDING SHALL BE A MANUFACTURER'S STANDARD PREFABRICATED STRUCTURE OF THE AREA SHOWN, EXCEPT AS NOTED. RIGID FRAMES SHALL BE SPACED AS SHOWN ON PLANS, BUT OVERALL DIMENSIONS AND CONSTRUCTION DETAILS MAY VARY TO SUIT MANUFACTURER'S STANDARD DESIGN. ROOF PITCH SHALL BE AS INDICATED ON THE PLANS.
2. THE BUILDING SHALL BE DESIGNED AND FABRICATED ACCORDING TO:
 - AISC MANUAL OF STEEL CONSTRUCTION 13TH EDITION
 - MBMA METAL BUILDING SYSTEMS MANUAL 2006
 - AISI NORTH AMERICAN IRON AND STEEL SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, 2001.
3. THE DIMENSIONAL TOLERANCES OUTLINED IN THE AWS CODE UNDER WORKMANSHIP AND THE TOLERANCES APPLICABLE TO ROLL FORM STEEL UNDER THE AISI "STANDARD MILL PRACTICE" SECTION, SHALL BE REQUIRED IN THE FABRICATION OF THE STEEL BUILDING FRAMES.
4. THE BUILDING FRAME SHALL BE DESIGNED TO LIMIT THE LATERAL DEFLECTION TO $H/360$ AT THE BUILDING EAVE.
5. A COMPLETE DESIGN ANALYSIS SHOWING ALL CALCULATIONS FOR RIGID FRAMES, GIRTS, PURLINS, PORTAL FRAMES AND X-BRACING FOR WIND AND SEISMIC LOADS AND A LAYOUT OF ANCHOR BOLTS AND OTHER EMBEDDED ITEMS SHALL BE SUBMITTED FOR APPROVAL WITH MAIN MEMBERS, TYPICAL CONNECTIONS (SHOWING BOLT HOLES AND WELDS), AND ERECTION DRAWINGS. PREFABRICATED BUILDING SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER.
6. THE BUILDING SHALL BE DESIGNED TO SUPPORT ALL MECHANICAL/ELECTRICAL EQUIPMENT INCLUDING HEATERS, SPRINKLERS, EXHAUST SYSTEMS, AND ALL SUSPENDED CEILING. IN ADDITION THE BUILDING SHALL BE DESIGNED FOR A COLATERAL LOADING OF 12 PSF FOR FUTURE ROOF MOUNTED EQUIPMENT. ADDITIONAL GIRTS AND PURLINS SHALL BE PLACED IN CONVENIENT LOCATIONS FOR ATTACHMENT OF ALL MECHANICAL/ELECTRICAL AND SUSPENDED EQUIP.
7. DESIGN LOADS SHALL CONFORM WITH THE GENERAL STRUCTURAL NOTES, LOAD COMBINATIONS SHOULD COMPLY WITH MBMA SPECIFICATIONS.
8. SPACING AND GAUGE OF PURLINS/SUBPURLINS SHALL BE DESIGNED SO THAT STANDING SEAM ROOF SYSTEMS MEETS SPECIFICATIONS.
9. SUBMIT TWO (2) COMPLETE SETS OF STRUCTURALLY CERTIFIED PRE-MANUFACTURED METAL BUILDING ERECTION DRAWINGS.

FOUNDATION NOTES:

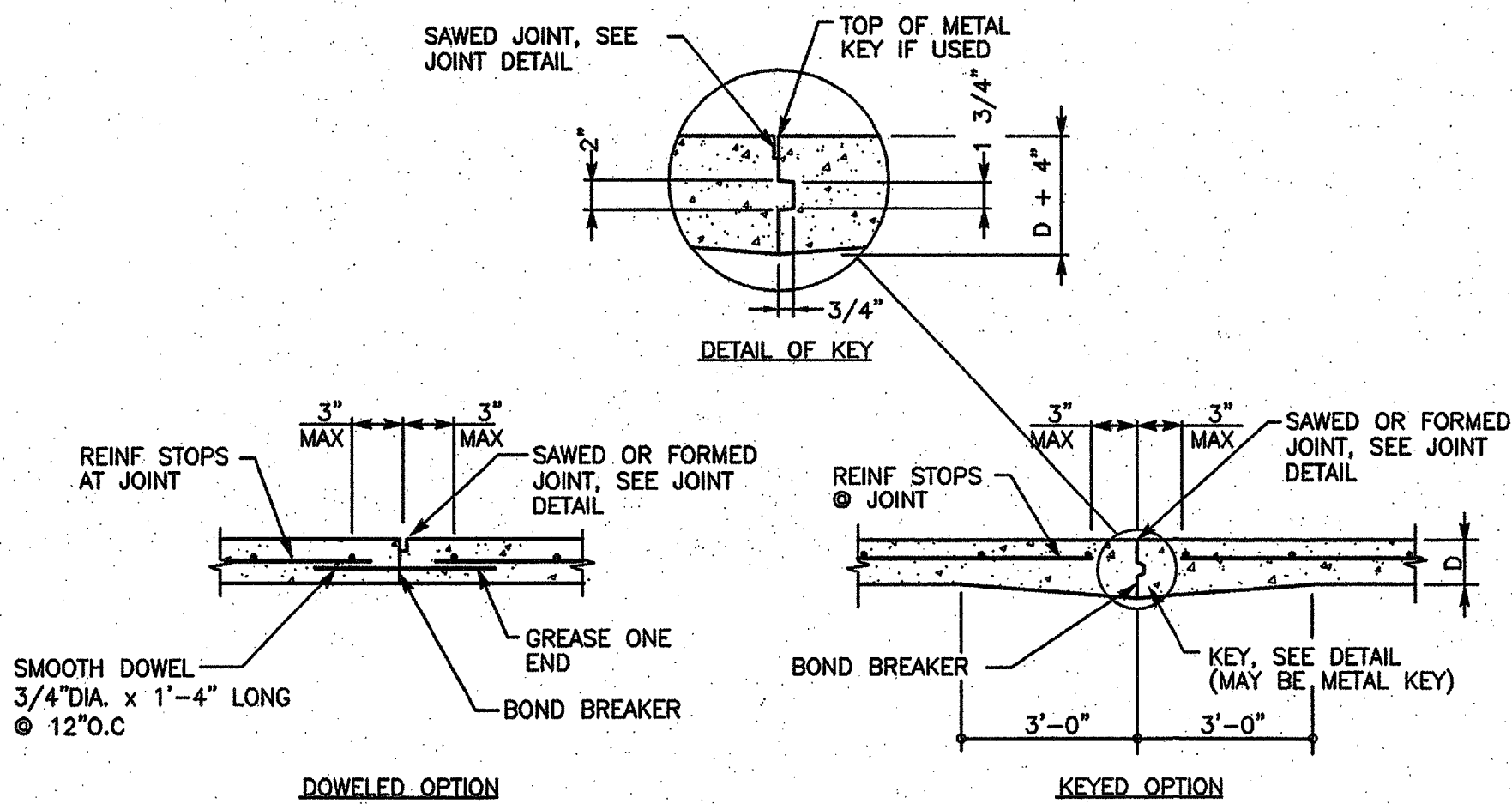
- A. DESIGN FOUNDATION BEARING PRESSURE (NET) 2500 PSF DL+LL AND 3333 PSF DL+LL+LAT
- B. FOR COMPACTED FILL SOILS AND EXCAVATION REQUIREMENTS SEE THE GEOTECHNICAL ENGINEERING REPORT BY TERRACON (PROJECT NO. 66045060 DATED NOVEMBER 12, 2004).
- C. REINFORCEMENT SHALL BE PLACED MID-DEPTH OF SLABS-ON-GRADE, UNLESS NOTED OTHERWISE.
- D. FLOOR SLAB CONSTRUCTION JOINTS (C.J.) SHALL BE PLACED AS SHOWN ON THE CONSTRUCTION DOCUMENTS.
- E. FOR CONSTRUCTION JOINT AND CONTROL JOINT (WEAKENED PLANE) DETAILS, SEE TYPICAL DETAILS THIS SHEET.
- F. CONCRETE FLOOR SLAB ON GRADE SHALL BE PLACED IN LANES. SPACING OF JOINTS SHALL BE AS SHOWN ON THE CONSTRUCTION DOCUMENTS.
- G. CHAMFER EXPOSED EDGES OF CONCRETE 3/4", UNLESS NOTED OTHERWISE.
- H. SITE GRADING AND EARTHWORK:
1. BACKFILLS:
 - a. ANY BACKFILL SHALL BE COMPACTED TO AT LEAST 95% ASTM STANDARD PROCTOR AND TESTED BY A SOILS ENGINEER.
 2. SITE DRAINAGE:
 - a. POSITIVE SURFACE DRAINAGE AWAY FROM BOTH EXISTING STRUCTURES AND NEW FOUNDATION EXCAVATIONS SHALL BE PROVIDED DURING CONSTRUCTION.

STRUCTURAL SHOP DRAWINGS:

- A. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS PER THE SPECIFICATIONS AND THE FOLLOWING LIST:
1. CONCRETE MIX DESIGN.
 2. CONCRETE REINFORCEMENT LAYOUT.
 3. STRUCTURAL STEEL.
 4. PRE-ENGINEERED METAL BUILDINGS DRAWINGS AND CALCULATIONS.
 5. ANCHOR BOLTS.
 6. SOIL TESTING.
- B. ALL SHOP DRAWINGS SUBMITTED TO THE DESIGNER FOR REVIEW SHALL BE STAMPED AND SIGNED BY THE CONTRACTOR INDICATING THAT THE CONTRACTOR HAS FOUND THEM TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THAT PROPER PROVISIONS HAVE BEEN MADE TO ACCOMMODATE ALL ABUTTING WORK. FABRICATION SHALL NOT BEGIN UNTIL THE CONTRACTOR'S SHOP DRAWINGS THAT HAVE BEEN REVIEWED, STAMPED AND SIGNED BY THE DESIGNER.
- C. THE DESIGNER WILL REVIEW THE SHOP DRAWING SUBMITTAL FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND CONTRACT DOCUMENTS.
- D. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING THE CONTRACTORS WORK AND THAT OF OTHER TRADES AND PERFORMING THE CONSTRUCTION IN A SATISFACTORY MANNER.

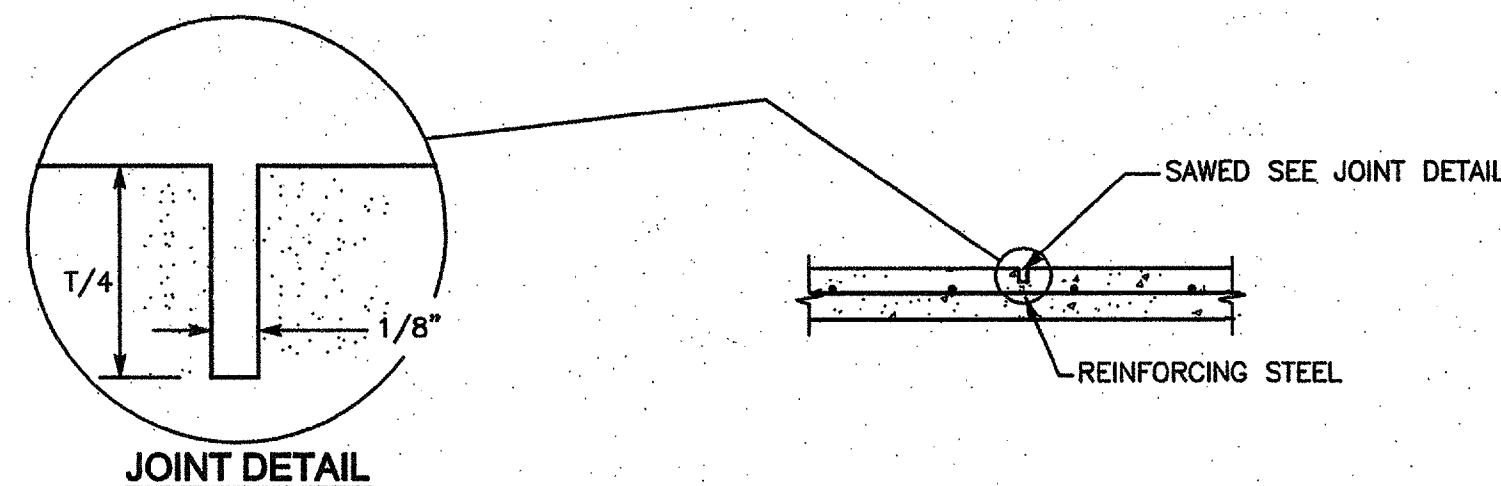
SPECIAL INSPECTION:

- A. PROVIDE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE ICC IBC 2006 AND AS FOLLOWS:
1. CONCRETE STRENGTH.
 2. CAST-IN-PLACE CONCRETE.
 3. CONCRETE REINFORCEMENT.
 4. STRUCTURAL STEEL.
 5. STRUCTURAL STEEL BOLTS.
 6. FIELD WELDING.
 7. SOILS.



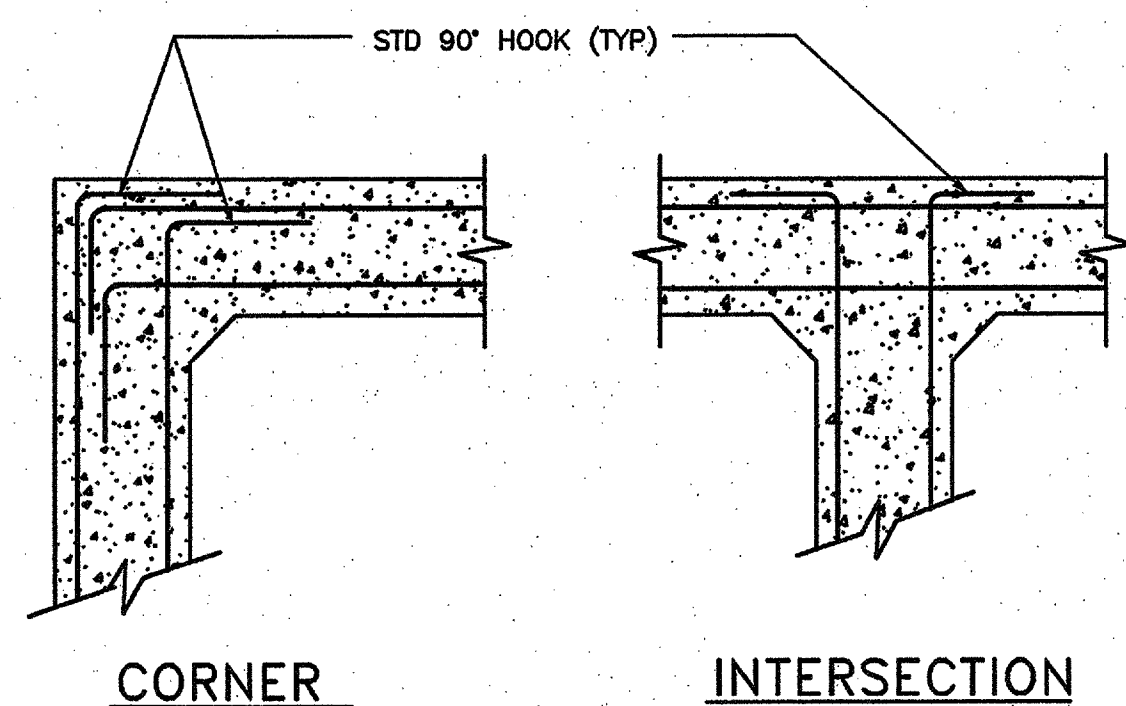
1 TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT DETAILS

S0.01 REF. S1.01 SCALE: NONE



2 TYPICAL SLAB-ON-GRADE CONTROL JOINT DETAIL

S0.01 REF. S1.01 SCALE: NONE



CORNER

INTERSECTION

NOTES:

1. REINFORCING SHOWN APPLIES TO TOP, BOTTOM AND INTERMEDIATE BARS.
2. THE STANDARD 90° HOOKS ON TRANSVERSE RIB REINFORCEMENT MAY BE VERTICAL RATHER THAN HORIZONTAL.

3 TYPICAL FOUNDATION CORNER/ INTERSECTION REINFORCEMENT DETAIL

S0.01 REF. S0.01 SCALE: NONE

GENERAL NOTES

THE CONTRACTOR SHALL SUBMIT TWO COMPLETE SETS OF STRUCTURALLY CERTIFIED PRE-MANUFACTURED METAL BUILDING ERECTION DRAWINGS TO THE CITY BUILDING SAFETY DIVISION FOR APPROVAL

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		SEAL	REVISIONS / REMARKS		NO. DATE		DESIGNED BY: RP DATE: DECEMBER 2008		DRAWN BY: JR DATE: DECEMBER 2008		CHECKED BY: RP DATE: DECEMBER 2008	
CONTRACTOR	DATE:	WORK STAKED BY	DATE:	INSPECTOR'S APPROVAL	DATE:		NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
																

DMJM DESIGN | AECOM

201 THIRD ST., ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjm.com

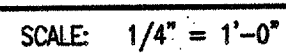
S0.01

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH	
TITLE: MONTESSA PARK LAB FACILITY DECEMBER 2008 GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS	
Design Review Committee	City Engineer Approval
City Project No. 7940.02	Zone Map No. P-17-Z
Sheet 6	Of 31



CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH			
TITLE: MONTESSA PARK LAB FACILITY		DECEMBER 2008	
STRUCTURAL FRAMING PLAN			
Design Review Committee	City Engineer Approval	Last Update	NO. / DAY / YR.
			NO. / DAY / YR.
City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 8	Of 31

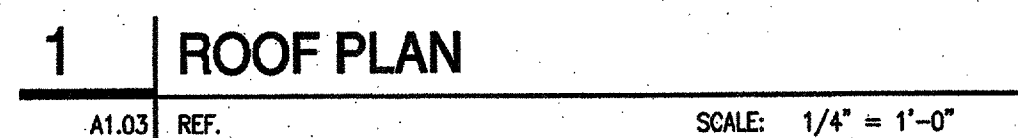
City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 9	Of 31
-----------------------------	------------------------	------------	----------



P. IF THIS SHEET IS NOT 24"x36", USE GRAPHIC SCALE.

Sheet **10** Of **31**

[illegible]



A. IF THIS SHEET IS NOT 24"x36", USE GRAPHIC SCALE.



201 THIRD ST, ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjnm.com

A1.03

TITLE: MONTESSA PARK LAB FACILITY **DECEMBER 2008**
ROOF PLAN

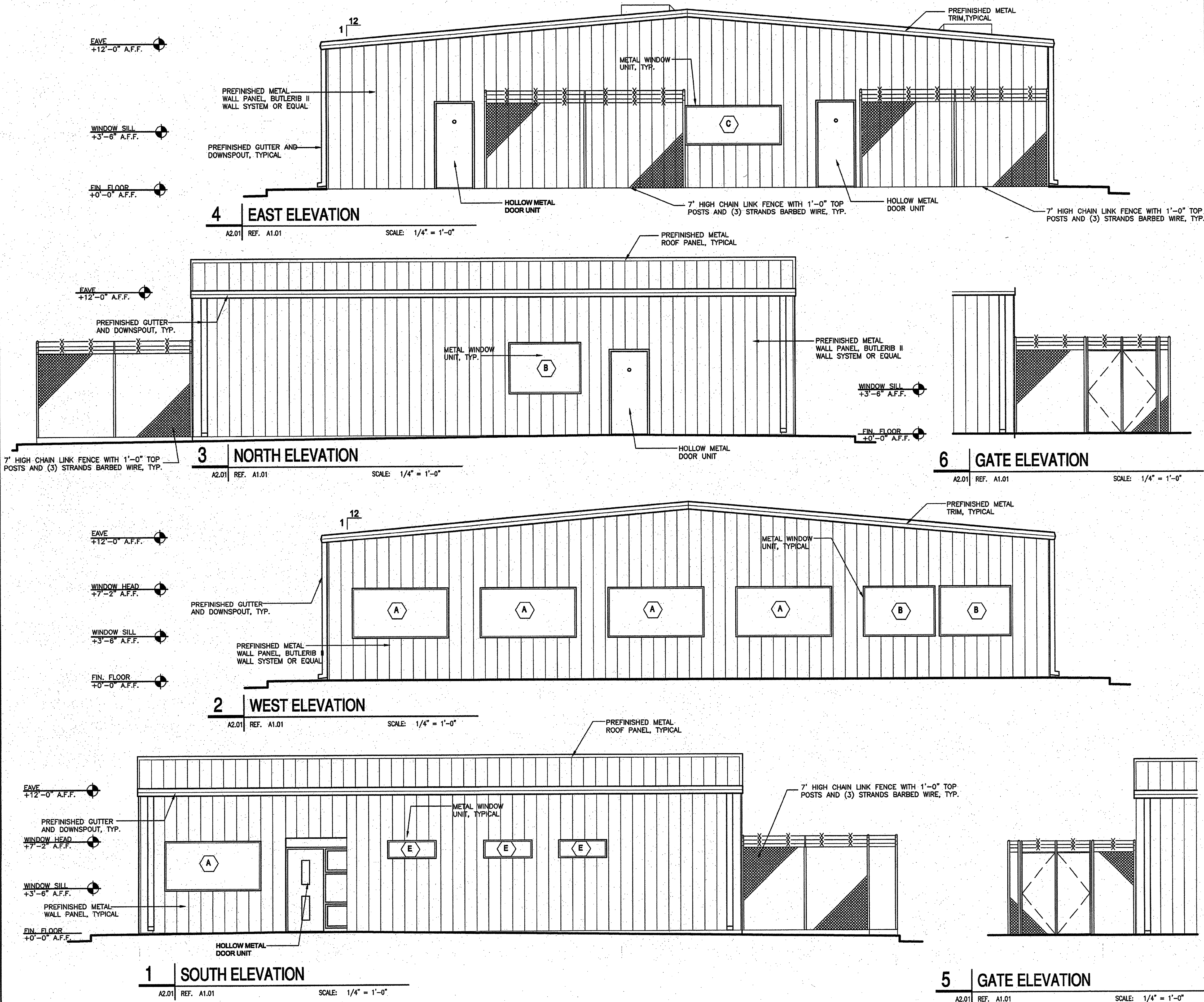
Design Review Committee	City Engineer Approval	Last Design Update	MO 2/08/2018	MO 2/08/2018

City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 12	Of 31
------------------------------------	-------------------------------	--------------------	-----------------

SEAL

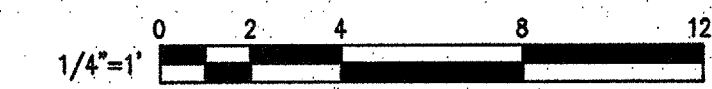
STATE OF NEW MEXICO
DAVID L. WALLERSTEDT
NO. 3132
REGISTERED A.K.
Dist. L. Wallerstedt
3-17-03

[illegible]



GENERAL NOTES

A. IF THIS SHEET IS NOT 24"x36", USE GRAPHIC SCALE.



DMJM DESIGN | AECOM

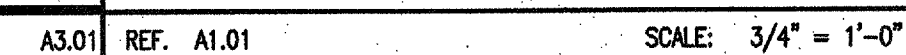
201 THIRD ST. ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjm.com

A2.01

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH			
TITLE: MONTESSA PARK LAB FACILITY		DECEMBER 2008	
BUILDING ELEVATIONS			
Design Review Committee	City Engineer Approval	NO. 7/10/2008	NO. 7/10/2008
City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 13	Of 31

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		FIELD NOTES		SEAL		REVISIONS / REMARKS		BY		DATE	
CONTRACTOR	DATE:			NO.	DATE:	NO.	DATE:	STATE OF NEW MEXICO	BY	DATE	NO.	DATE	NO.	DATE	NO.
WORK STAKED BY	DATE:							DAVID L. WALLERSTEDT	DMJM	3/10/09					
INSPECTOR'S APPROVAL	DATE:							NO. 3132							
FIELD VERIFICATION BY	DATE:							REGISTERED							
DRAWING CORRECTED BY	DATE:							3-17-09							
MICRO-FILM INFORMATION	DATE:														
RECORDED BY	DATE:														
NO.															

DESIGNED BY: M.E. DATE: DECEMBER 2008
DRAWN BY: J.R. DATE: DECEMBER 2008
CHECKED BY: M.E. DATE: DECEMBER 2008



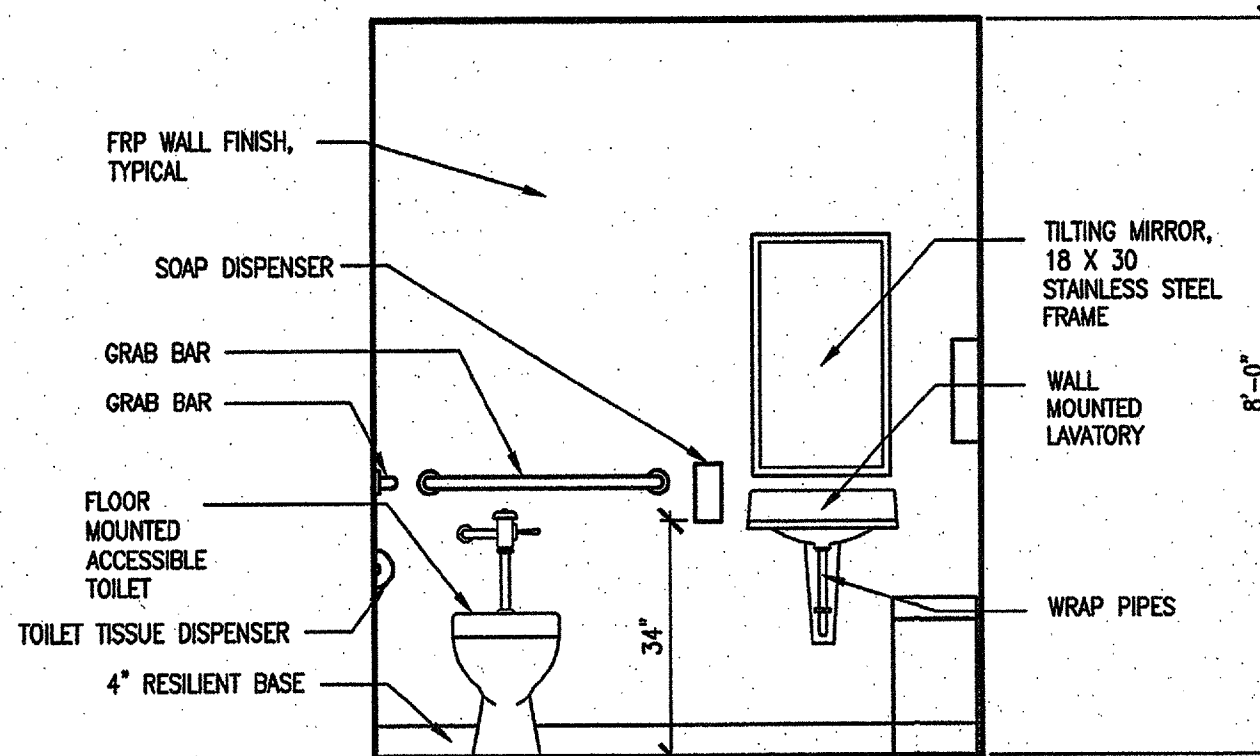
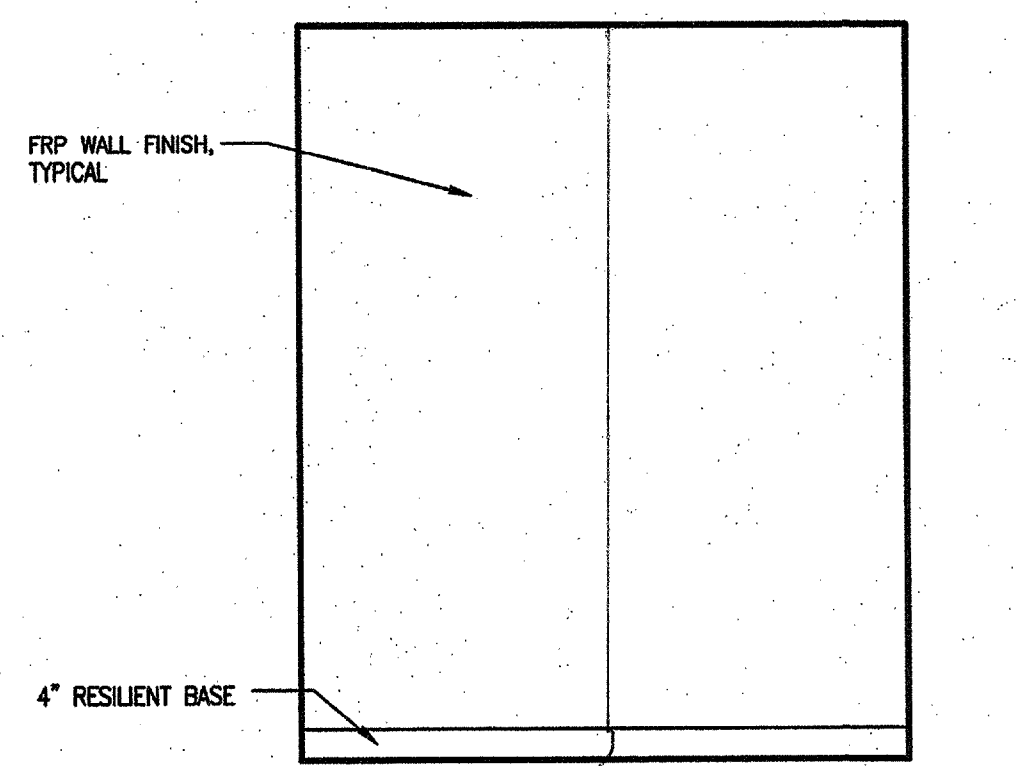
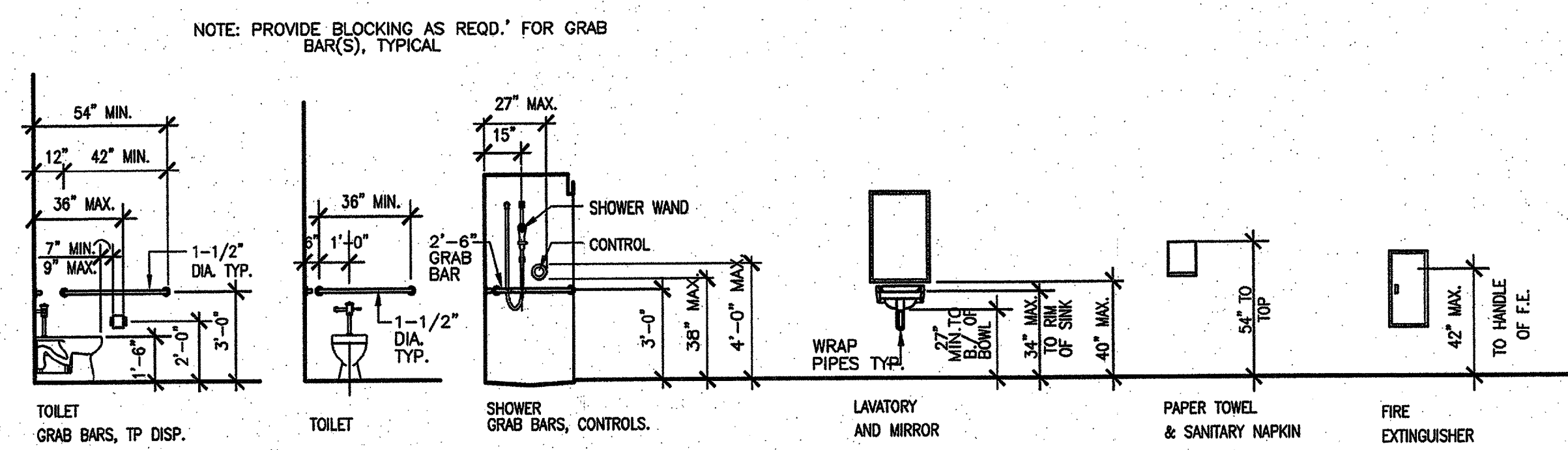
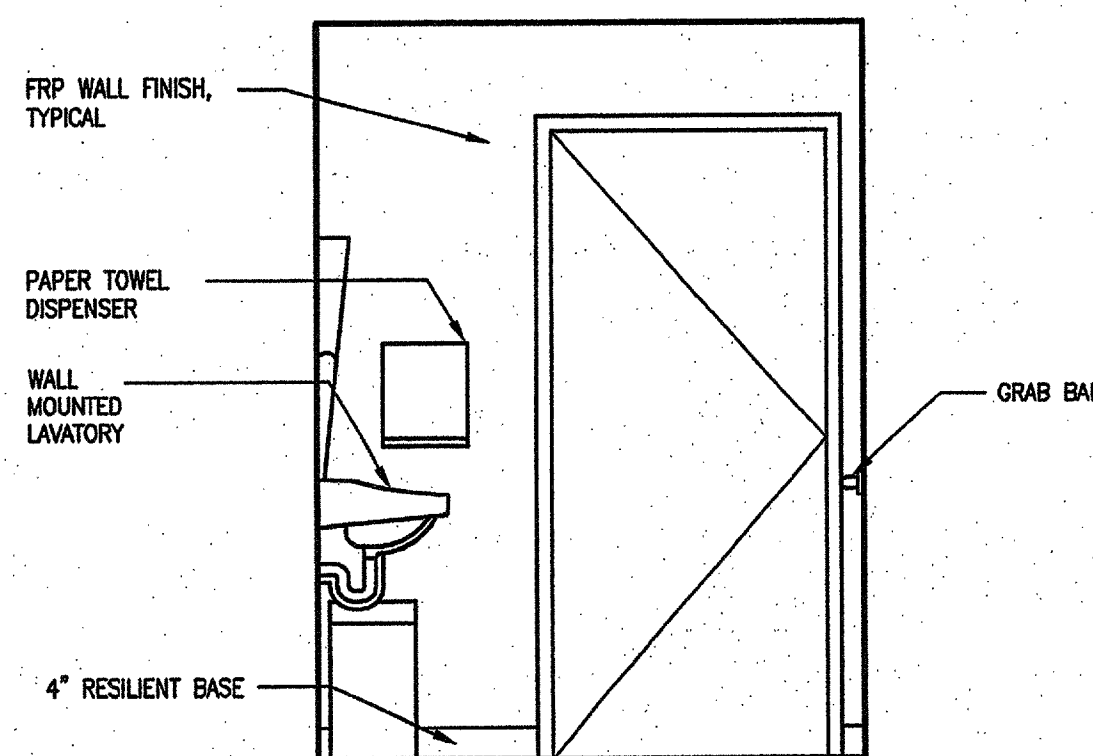
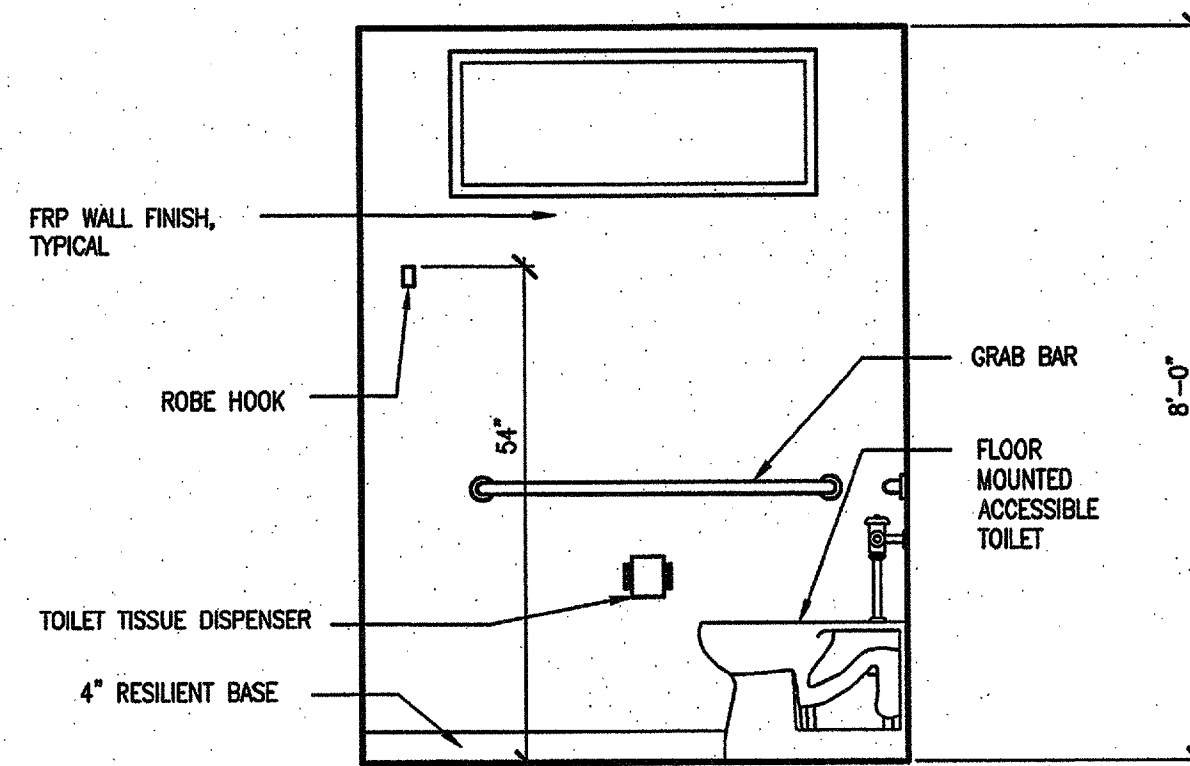
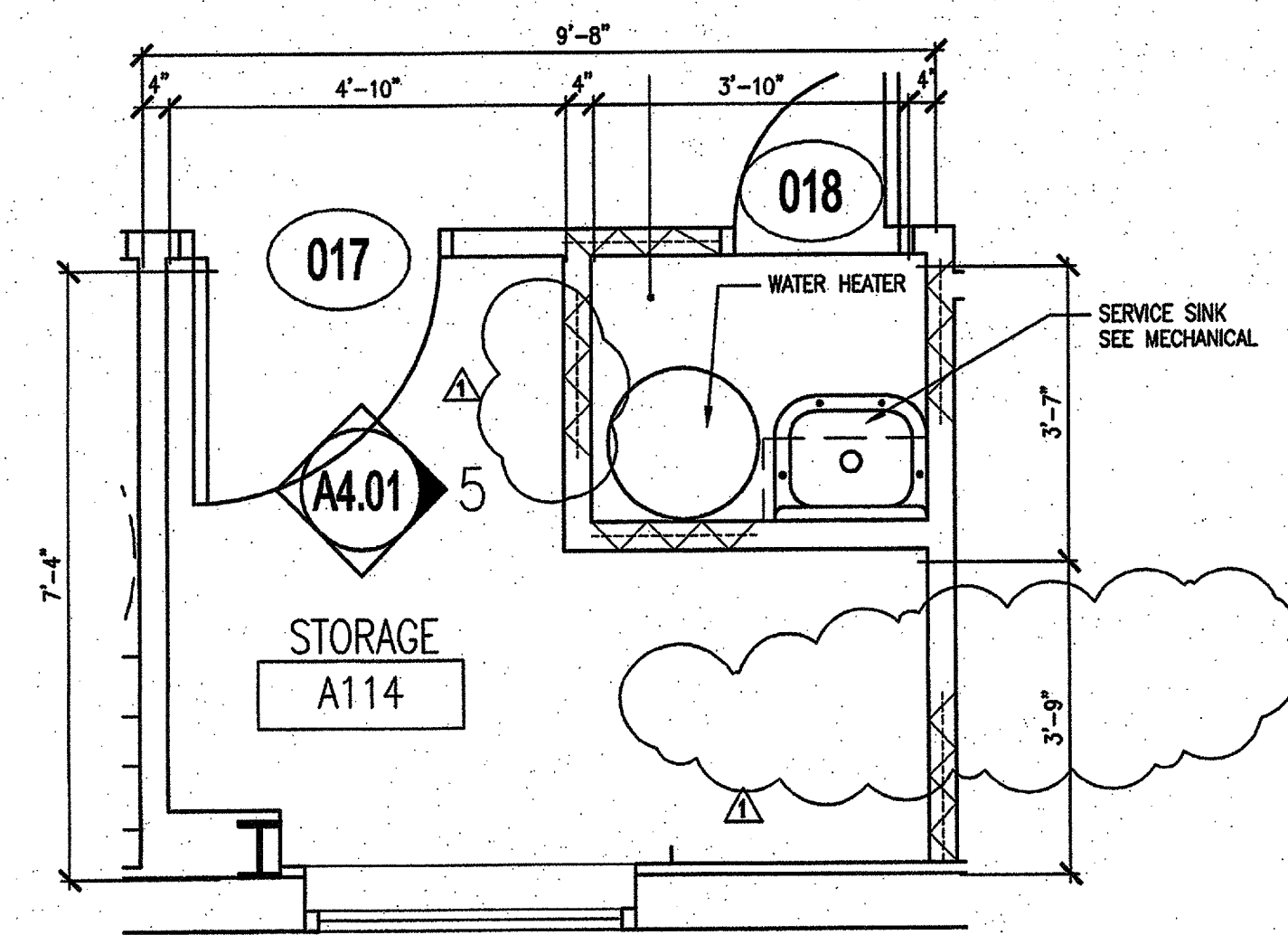
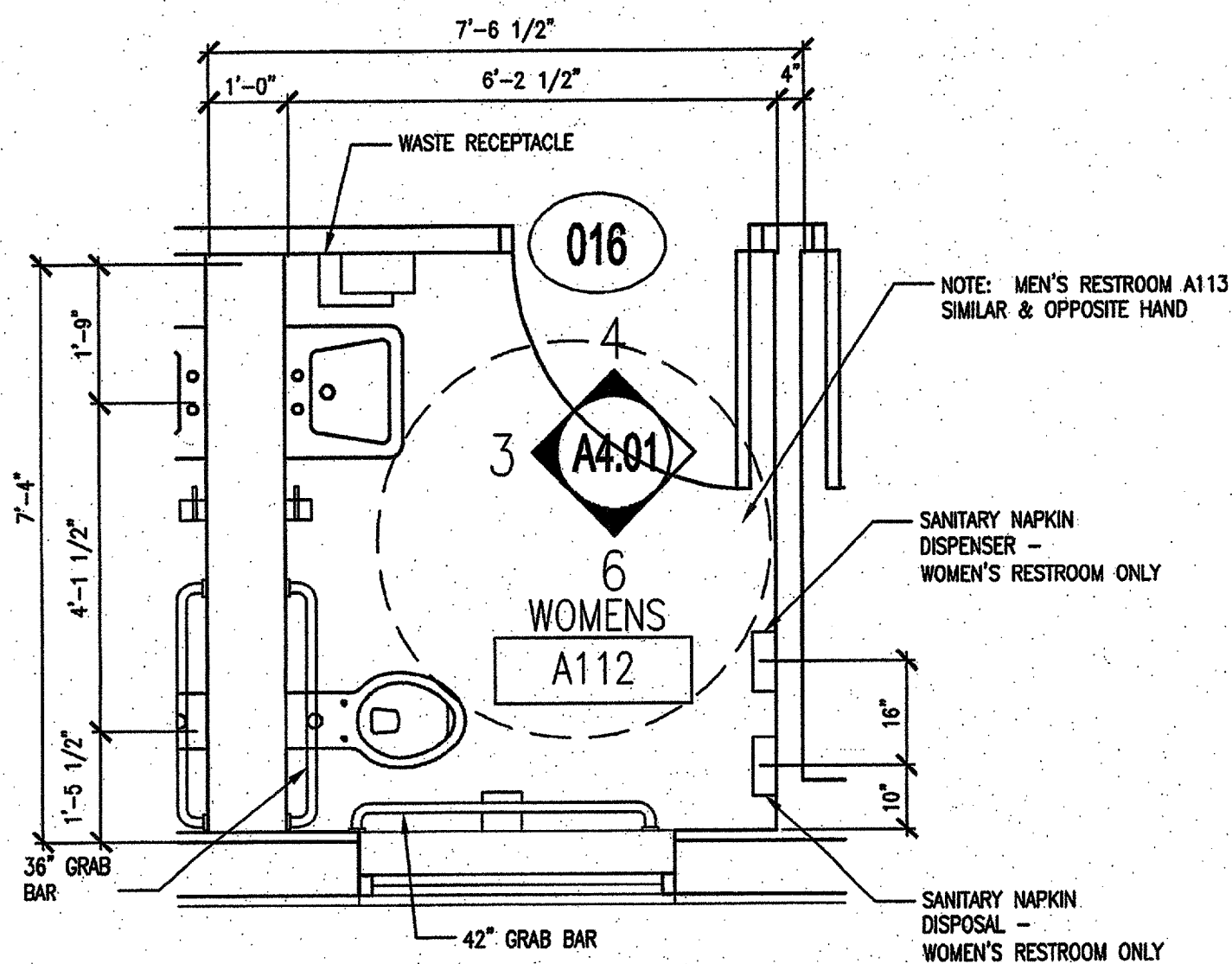
City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 14	Of 31
------------------------------------	-------------------------------	--------------------	-----------------

[illegible]

301

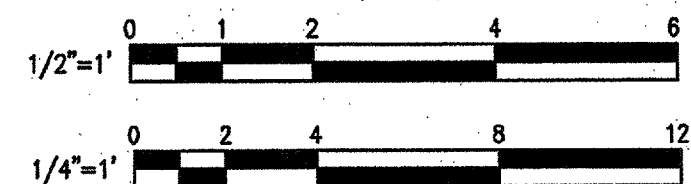
TOILET ROOM ACCESSORIES

A.	BOBRICK WALL MOUNTED WASTE RECEPTACLE, B-275
B.	BOBRICK SANITARY NAPKIN DISPENSER, B-282 25 (COIN OPERATED, VERIFY WITH OWNER)
C.	BOBRICK 18"x30" MIRRORS WITH SHELVES, B-166-1824
D.	BOBRICK MULTI-ROLL TOILET TISSUE DISP., B-2888
E.	BOBRICK SURFACE-MOUNTED SOAP DISP., B-150
F.	BOBRICK SURFACE MOUNTED TOILET SEAT COVER DISP., B-221
G.	BOBRICK PAPER TOWEL DISP. AND WASTE RECEPTACLE, B-262
H.	BOBRICK SANITARY NAPKIN DISPOSAL, B-254
J.	BOBRICK HANDICAPPED GRAB BARS, B-6806 X 42"
K.	BOBRICK HANDICAPPED GRAB BARS, B-6806 X 36"
L.	NOT USED
M.	NOT USED
N.	NOT USED
O.	BOBRICK TRASH CAN: LRG. CAPACITY WASTE RECEPTACLE, B-2400



GENERAL NOTES

- IF THIS SHEET IS NOT 24"x36", USE GRAPHIC SCALE.
- MIRROR TO BE SLOPED IN RESTROOMS TO MEET ANSI 117.1 ACCESSIBILITY REQUIREMENTS.



DMJM DESIGN | AECOM

201 THIRD ST., ALBUQUERQUE, NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmj.com

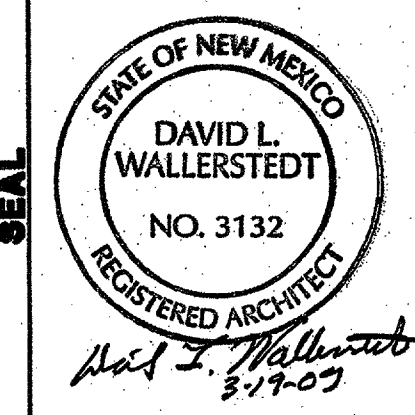
A4.01

CITY OF ALBUQUERQUE
DEPARTMENT OF ENVIRONMENTAL HEALTH

TITLE: MONTESSA PARK LAB FACILITY
TOILET ROOM PLAN AND ELEVATIONS

Design Review Committee	City Engineer Approval	NO. / DATE	NO. / DATE
City Project No. 7040.02	Zone Map No. P-17-Z	Sheet 15	Of 31

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		FIELD NOTES		SEAL		BY		REVISIONS / REMARKS		NO. DATE	
CONTRACTOR	DATE:	WORK STATED BY	DATE:	INSPECTOR'S APPROVAL	DATE:	FIELD VERIFICATION BY	DATE:	DRAWING CORRECTED BY	DATE:	MICRO-FILM INFORMATION	DATE:	RECORDED BY	DATE:	NO.	DATE:



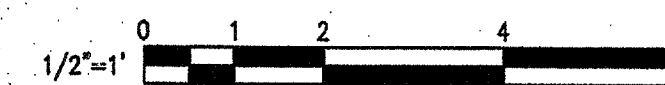
DESIGNED BY: M.E. DATE: DECEMBER 2008
DRAWN BY: J.R. DATE: DECEMBER 2008
CHECKED BY: M.E. DATE: DECEMBER 2008

GENERAL NOTES

- IF THIS SHEET IS NOT 24"x36", USE GRAPHIC SCALE.
- SEE DRAWING A4.03 FOR LABORATORY CASEWORK DETAILS AND SCHEDULE.
- LABORATORY CASEWORK MANUFACTURER TO COORDINATE WITH ELECTRICAL, MECHANICAL AND PLUMBING DISCIPLINES FOR EQUIPMENT INSTALLATION.

KEYED NOTES

- PAPER TOWEL DISPENSER. 10 3/4"X 14", BOBRICK NO. B-262.



DMJM DESIGN | AECOM

201 THRD ST. ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjm.com

A4.02

**CITY OF ALBUQUERQUE
DEPARTMENT OF ENVIRONMENTAL HEALTH**

**TITLE: MONTESSA PARK LAB FACILITY
MILLWORK AND LABORATORY CASEWORK** DECEMBER 2008

Design Review Committee City Engineer Approval Update

City Project No. 7040.02 Zone Map No. P-17-Z Sheet 16

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		SEAL		BY		REVISIONS / REMARKS		NO. DATE		DESIGNED BY: M.E. DATE: DECEMBER 2008		DRAWN BY: J.R. DATE: DECEMBER 2008		CHECKED BY: M.E. DATE: DECEMBER 2008	
CONTRACTOR	DATE:	WORK STAGED BY	DATE:	FIELD NOTES	DATE	STATE OF NEW MEXICO DAVID L. WALLERSTEDT NO. 3132 REGISTERED ARCH. <i>David L. Wallerstedt</i> 3-17-07		DLW											
INSPECTOR'S APPROVAL	DATE:	INSPECTOR'S APPROVAL	DATE:	NO.	BY														
FIELD VERIFICATION BY	DATE:	FIELD VERIFICATION BY	DATE:																
DRAWING CORRECTED BY	DATE:	DRAWING CORRECTED BY	DATE:																
MICRO-FILM INFORMATION																			
RECORDED BY	DATE:	RECORDED BY	DATE:																
NO.		NO.																	

PERQUE

MENTAL HEALTH

ITY

ORK

DECEMBER 2008

MO / DAY / YR

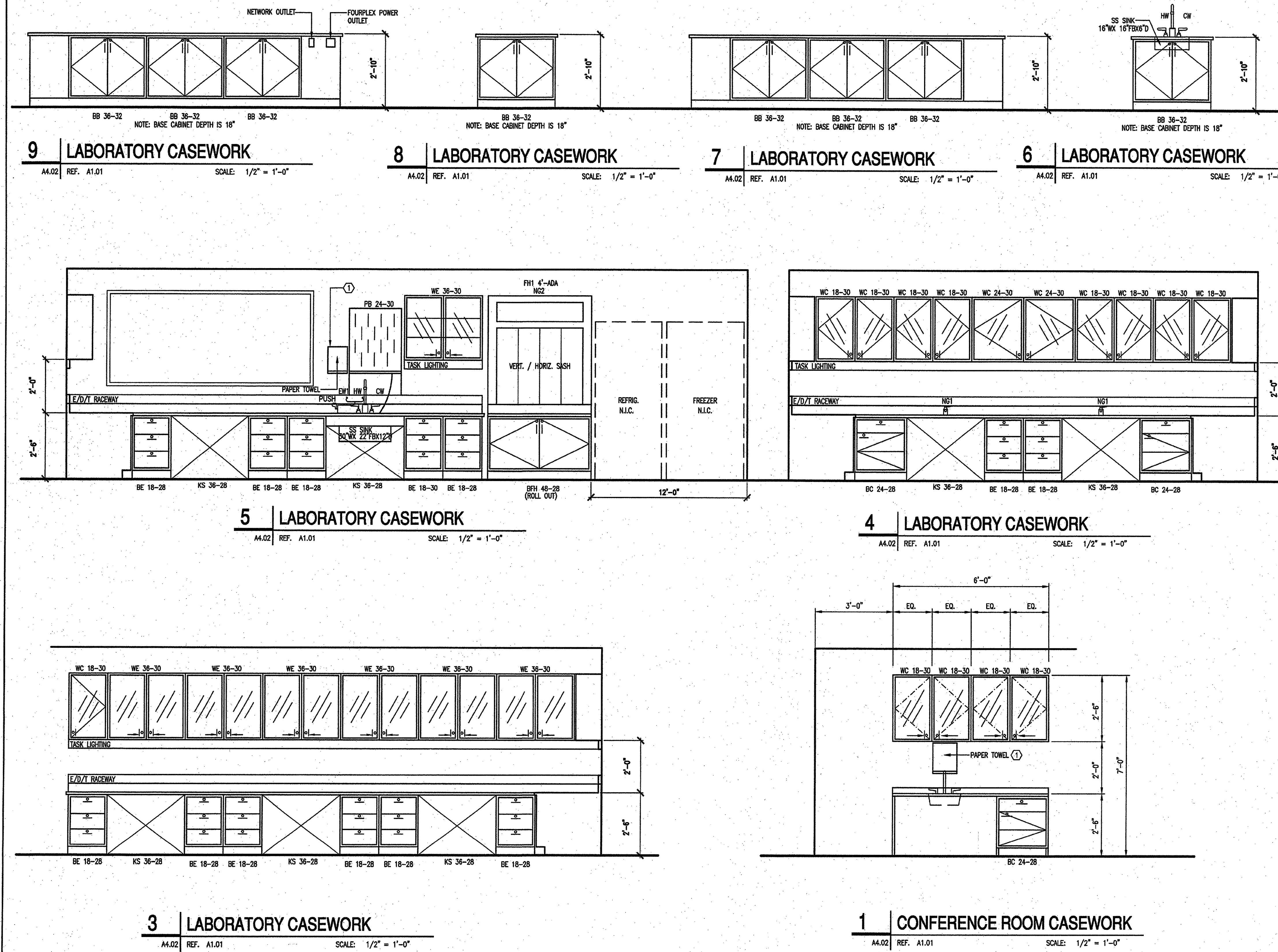
MO / DAY / YR

Sheet

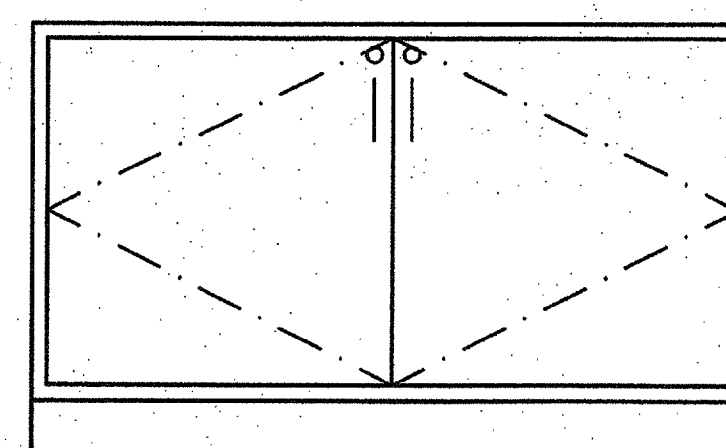
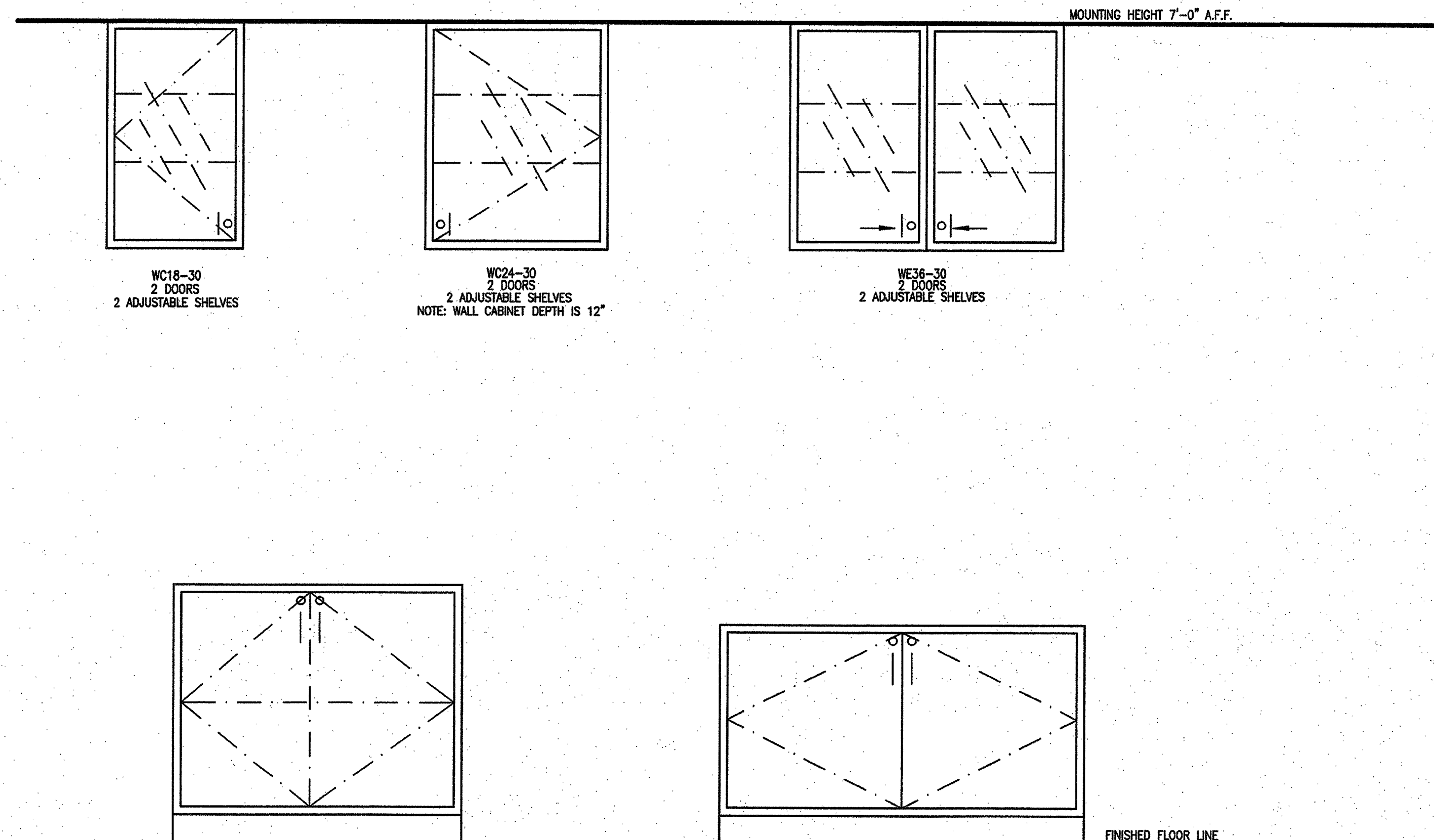
16

of

31



BB, BC, BE	BASE CABINETS
BFH	BASE CABINET AT FUME HOOD
WC, WE	WALL CABINETS
KS	KNEE SPACE
PB	PEG BOARD
NG1	GAS FIXTURE -- SINGLE NEEDLE COCK -- DECK MOUNTED
NG2	GAS FIXTURE FOR FUME HOOD -- REMOTE CONTROL -- ADA
EW	EYE WASH FIXTURE -- DECK MOUNTED
FH-1	FUME HOOD -- SEE MECHANICAL EQUIPMENT SCHEDULE



BFH 48-28 (ROLL OUT)
2 DOORS
BASE CABINET DEPTH TO MATCH FUME HOOD

SCALE: NOT TO SCALE

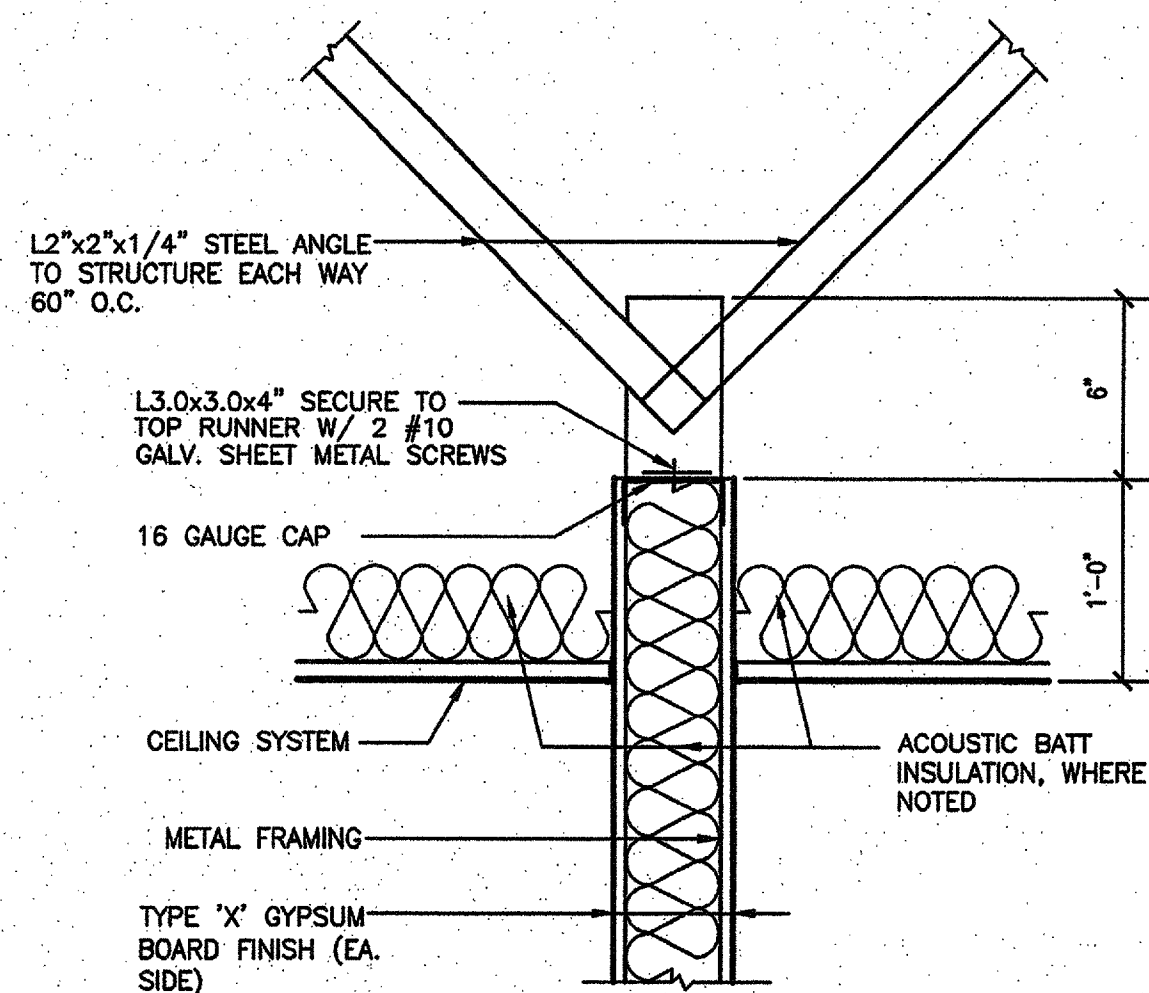
A. IF THIS SHEET IS NOT 24"x36", USE GRAPHIC SCALE.

NO.		DATE	REVISIONS / REMARKS	BY	SEAL	SURVEY INFORMATION		BENCHMARK	AS BUILT INFORMATION	
31809			BID SET	DLW		FIELD NOTES			CONTRACTOR	DATE:
						NO.	BY	DATE	WORK STAKED BY	DATE:
									INSPECTOR'S APPROVAL	DATE: 07/20
									FIELD VERIFICATION BY	DATE:
									DRAWING CORRECTED BY	DATE:
									MICRO-FILM INFORMATION	
									RECORDED BY	DATE:
									NO.	
DESIGNED BY: M.E.					DATE: DECEMBER 2008					
DRAWN BY: J.R.					DATE: DECEMBER 2008					
CHECKED BY: M.E.					DATE: DECEMBER 2008					

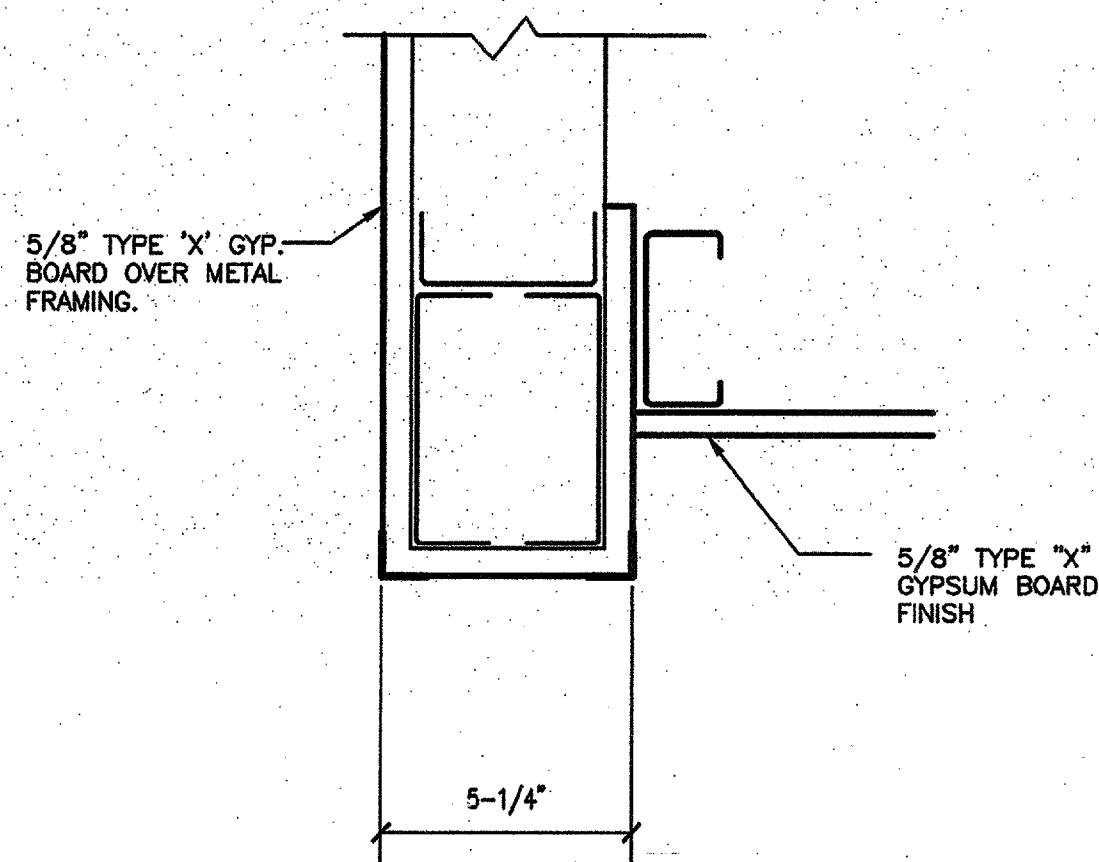
201 THIRD ST, ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dnmjm.com

Design Review Committee	City Engineer Approval	at Design Update	MO./DAY/YR.	MO./DAY/YR.

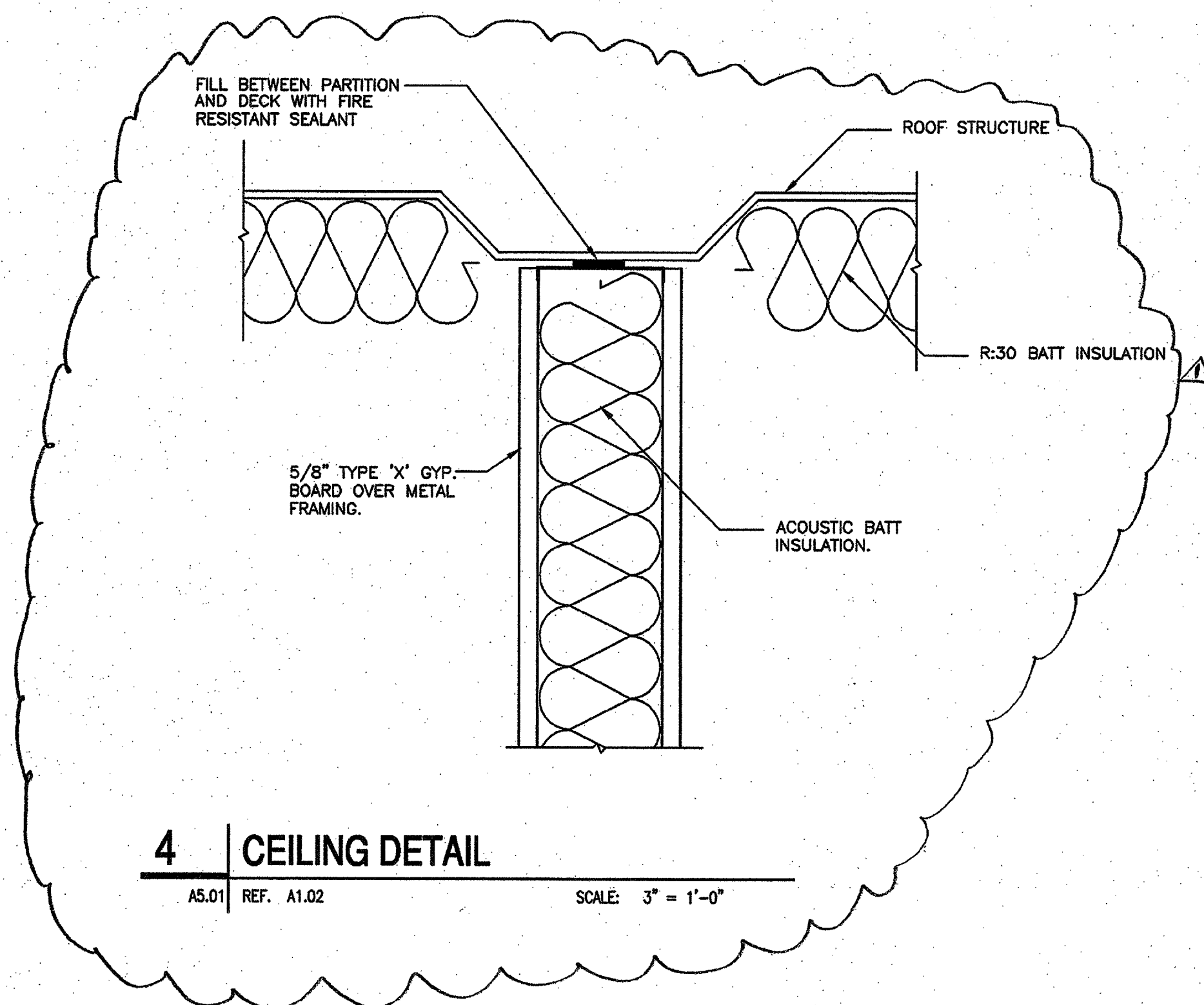
City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 17	Of 31
------------------------------------	-------------------------------	--------------------	-----------------



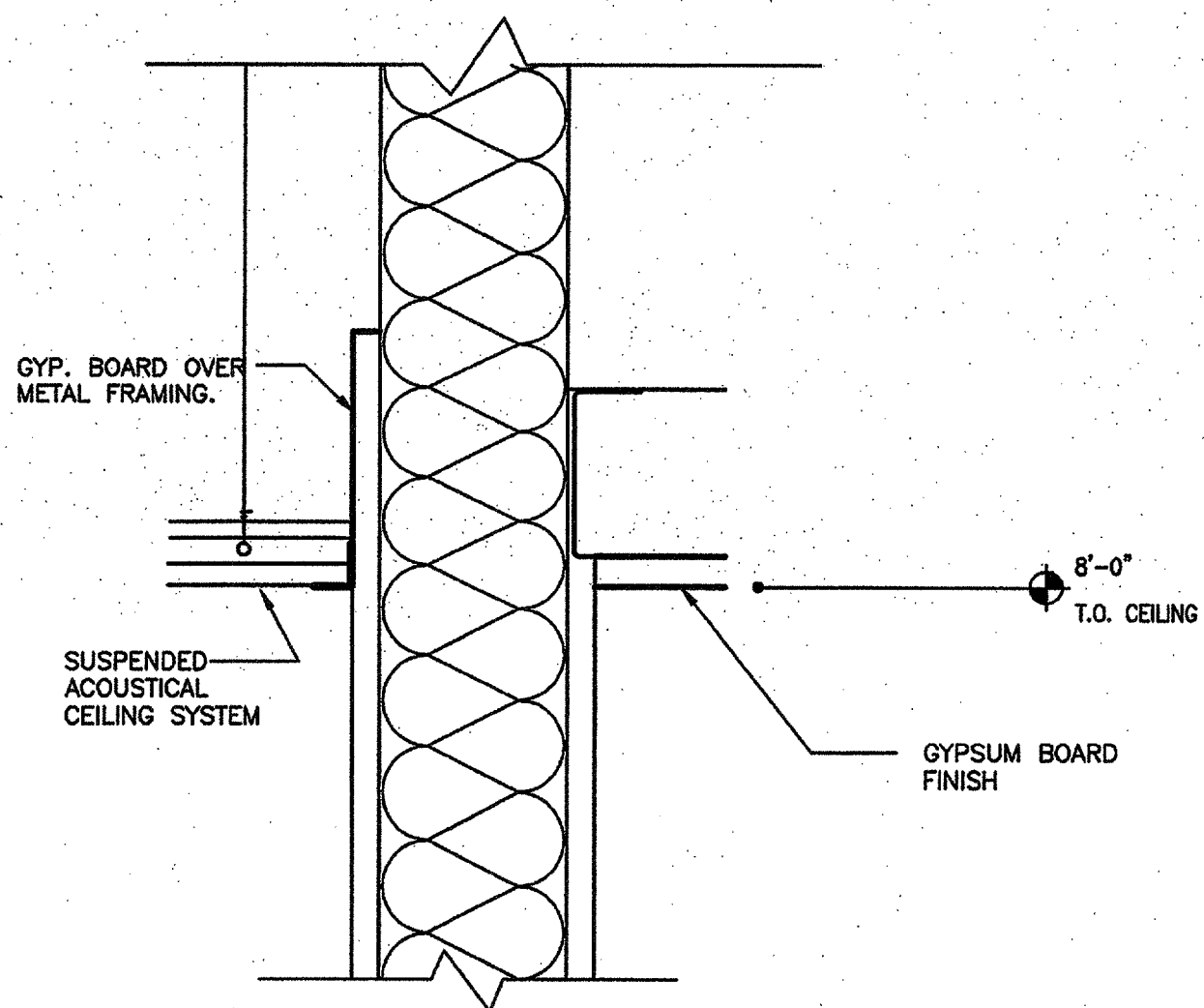
3 | CEILING DETAIL
 A5.01 | REF. 2/A3.01 | SCALE: 1-1/2" = 1'-0"



2 | CEILING DETAIL
 A5.01 | REF. A1.01 | SCALE: 3" = 1'-0"



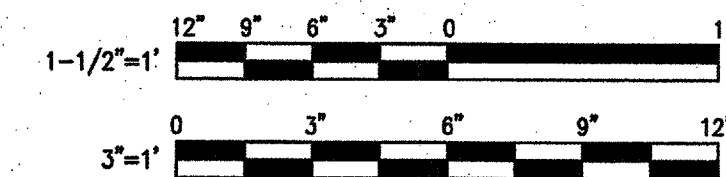
4 | CEILING DETAIL
 A5.01 | REF. A1.02 | SCALE: 3" = 1'-0"



1 | CEILING DETAIL
 A5.01 | REF. A1.01 | SCALE: 3" = 1'-0"

GENERAL NOTES

A. IF THIS SHEET IS NOT 24"x36", USE GRAPHIC SCALE.

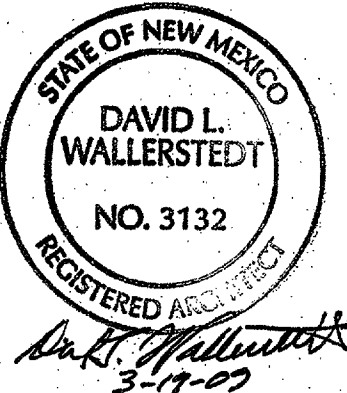


DMJM DESIGN | AECOM
 201 THIRD ST., ALBUQUERQUE NEW MEXICO 87102
 T: 505-889-4100 F: 505-884-7231 www.dmjmdesign.com

A5.01

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH			
TITLE: MONTESSA PARK LAB FACILITY			DECEMBER 2008
DETAILS			
Design Review Committee	City Engineer Approval	Last Design Update	NO. / DAY / YR.
City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 18	Of 31

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		SEAL		REVISIONS / REMARKS		BY		DATE	
CONTRACTOR	DATE:	WORK STAKED BY	DATE:	INSPECTOR'S APPROVAL	DATE:	NO.	BY	NO.	DATE:	NO.	DATE:	NO.	DATE:
INSPECTOR'S APPROVAL	DATE:	FIELD VERIFICATION BY	DATE:	DRAWING CORRECTED BY	DATE:	NO.	BY	NO.	DATE:	NO.	DATE:	NO.	DATE:
FIELD VERIFICATION BY	DATE:	DRAWING CORRECTED BY	DATE:	MICRO-FILM INFORMATION	DATE:	NO.	BY	NO.	DATE:	NO.	DATE:	NO.	DATE:
DRAWING CORRECTED BY	DATE:	MICRO-FILM INFORMATION	DATE:	RECORDED BY	DATE:	NO.	BY	NO.	DATE:	NO.	DATE:	NO.	DATE:
RECORDED BY	DATE:	NO.											



DESIGNED BY: M.E.	DATE: DECEMBER 2008
DRAWN BY: J.R.	DATE: DECEMBER 2008
CHECKED BY: M.E.	DATE: DECEMBER 2008

FINISH SCHEDULE

ROOM #	NAME	FLOOR	BASE	WALL	CEILING	HEIGHT
A100	ENTRY	SC	RB	PGB	ACT	8'-0"
A101	CORRIDOR	SC	RB	PGB	ACT	8'-0"
A102	OFFICE	SC	RB	PGB	ACT	8'-0"
A103	OFFICE	SC	RB	PGB	ACT	8'-0"
A104	OFFICE	SC	RB	PGB	ACT	8'-0"
A105	OFFICE	SC	RB	PGB	ACT	8'-0"
A106	OFFICE	SC	RB	PGB	ACT	8'-0"
A107	OFFICE	SC	RB	PGB	ACT	8'-0"
A108	NOT USED					
A109	GIS LAB	SC	RB	PGB		
A110	CONFERENCE	SC	RB	PGB		
A111	LABORATORY	SC	RB	PGB		
A112	WOMEN	SC	RB	FRP		
A113	MEN	SC	RB	FRP		
A114	STORAGE	SC	RB	FRP		
A115	JANITOR	SC	RB	PGB	ES	
A116	MECHANICAL/ELECTRICAL	SC		PGB	ES	
			VINYL FACED	BLANKET @ EXPOSED CEILING		

DOOR SCHEDULE

DOOR #	FRAME	DOOR	TYPE	DOOR SIZE	FRAME SIZE	THRESHOLD	JAMB	INTERMEDIATE	HEAD	HDWR. SET #	FIRE RATING	REMARKS
001	HM	HM	A	3'-0"x7'-0"	6'-0"x7'-2"	1&2/A6.01	5/A6.01 sim.	4/A6.01	5/A6.01	SET 8		
002	HM	HM	B	3'-0"x7'-0"	6'-0"x7'-2"	1/A6.01	5/A6.01 sim.		5/A6.01	SET 8		
003	HM	HM	B	3'-0"x7'-0"	6'-0"x7'-2"	1/A6.01	5/A6.01 sim.		5/A6.01	SET 8		
004	HM	HM	B	3'-0"x7'-0"	6'-0"x7'-2"	1/A6.01	5/A6.01 sim.		5/A6.01	SET 8		
005	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 1		
006	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 1		
007	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 1		
008	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 1		
009	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 1		
010	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 1		
011	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 12		
012	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 3		
013	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 3		
014	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 12	20 MIN.	DOOR TO HAVE HANDICAP SIGN TO MEET ANSI117.1
015	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 2		
016	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 2		DOOR TO HAVE HANDICAP SIGN TO MEET ANSI117.1
017	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 2		DOOR TO HAVE HANDICAP SIGN TO MEET ANSI117.1
018	HM	WD	E	2'-0"x7'-0"	2'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 5	60 MIN.	
019	HM	WD	D	3'-0"x7'-0"	3'-4"x7'-2"		6/A6.01 sim.		6/A6.01	SET 5		

GENERAL NOTES

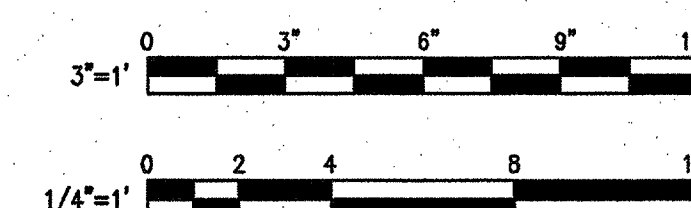
- IF THIS SHEET IS NOT 24"x36", USE GRAPHIC SCALE.
- ALL GLAZING TO COMPLY W/ IBC 2003, SECTION 2406
- ALL DOORS TO COMPLY W/ ANSI A117.1
- SEE SHEET A-1.01 FOR DOOR LOCATIONS
- SEE SHEET A-1.01 FOR WINDOW LOCATIONS
- SUBMIT FULL RANGE OF SAMPLES OF COLOR SEALED CONCRETE FLOOR TO ARCHITECT FOR APPROVAL UP TO 3 COLORS MAY BE SELECTED.

ABBREVIATIONS

FLOOR	
SC	COLOR SEALED CONCRETE
BASE	
RB	4" RUBBERIZED VINYL, COVED
WALLS	
PGB	PAINTED GYPSUM BOARD
FRP	FIBER REINFORCED PANEL
GLAZING	
HM	HOLLOW METAL
WD	SOLID CORE WOOD SLAB
AL	ALUMINUM
MB	MINI BLINDS
CEILING	
PGB	PAINTED GYPSUM BOARD
ACT	SUSPENDED ACOUSTICAL TILE
ES	EXPOSED STRUCTURE

GLAZING LEGEND

- 1" LOW "E" CLEAR INSULATED GLASS
- 1" TEMPERED FROSTED INSULATED GLASS
- SINGLE GLAZED 1/2" CLEAR FLOAT GLASS
- 1" LOW "E" CLEAR INSULATED GLASS TEMPERED



DMJM DESIGN | AECOM

201 THIRD ST., ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjmdesign.com

A6.01

CITY OF ALBUQUERQUE
DEPARTMENT OF ENVIRONMENTAL HEALTH

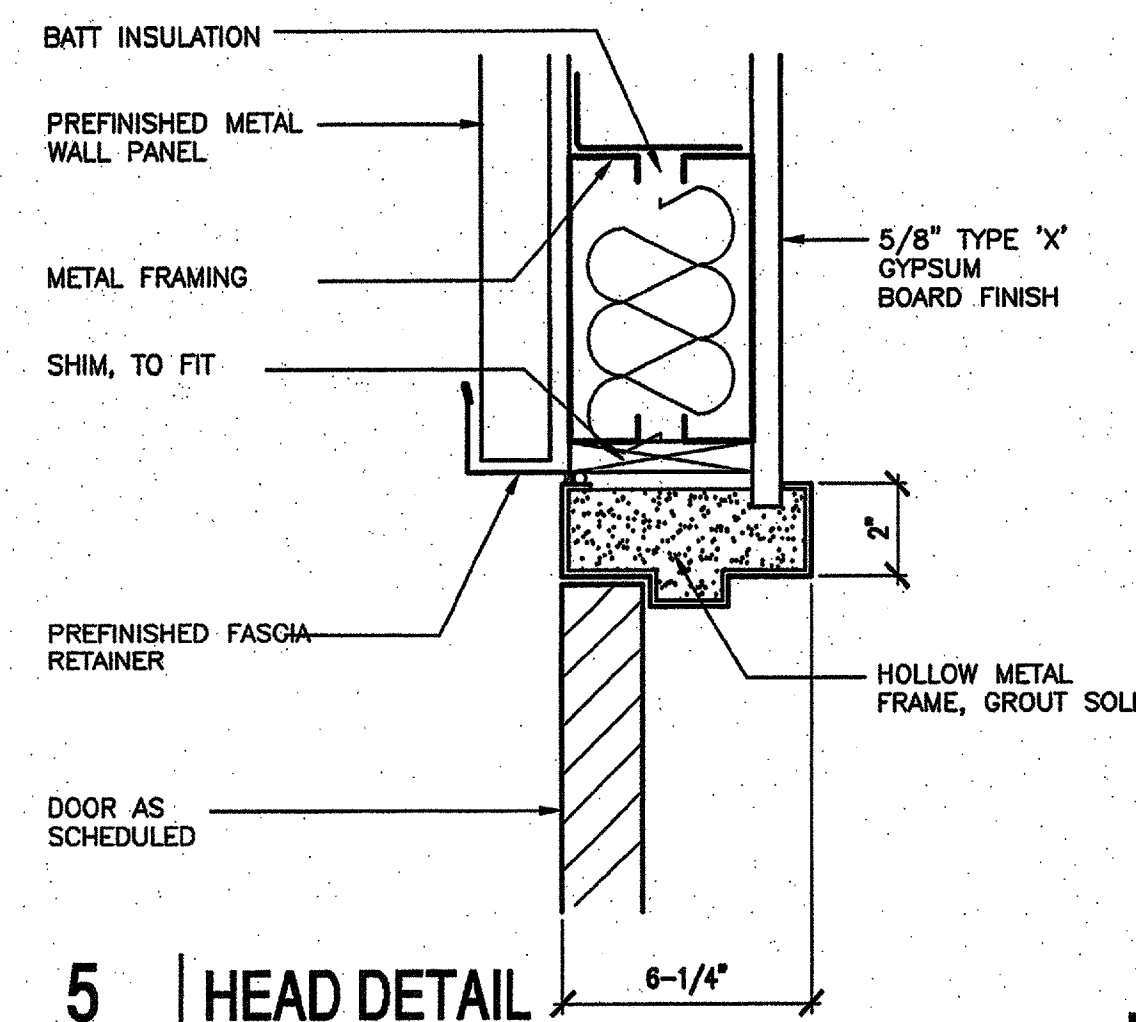
TITLE: **MONTESSA PARK LAB FACILITY** DECEMBER 2008
DOOR AND WINDOW ELEVATIONS, SCHEDULES AND DETAILS

Design Review Committee City Engineer Approval

City Project No. **7840.02** Zone Map No. **P-17-Z** Sheet **19** Of **31**

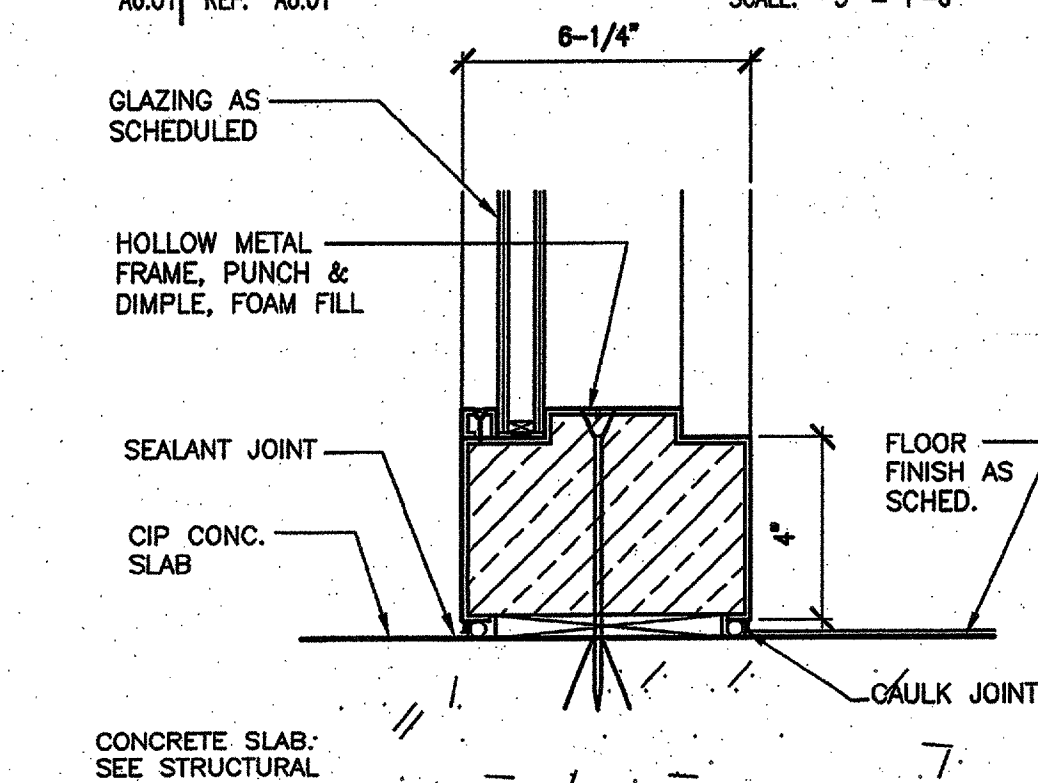
6 HEAD DETAIL

A6.01 REF. A6.01 SCALE: 3" = 1'-0"



5 HEAD DETAIL

A6.01 REF. A6.01 SCALE: 3" = 1'-0"

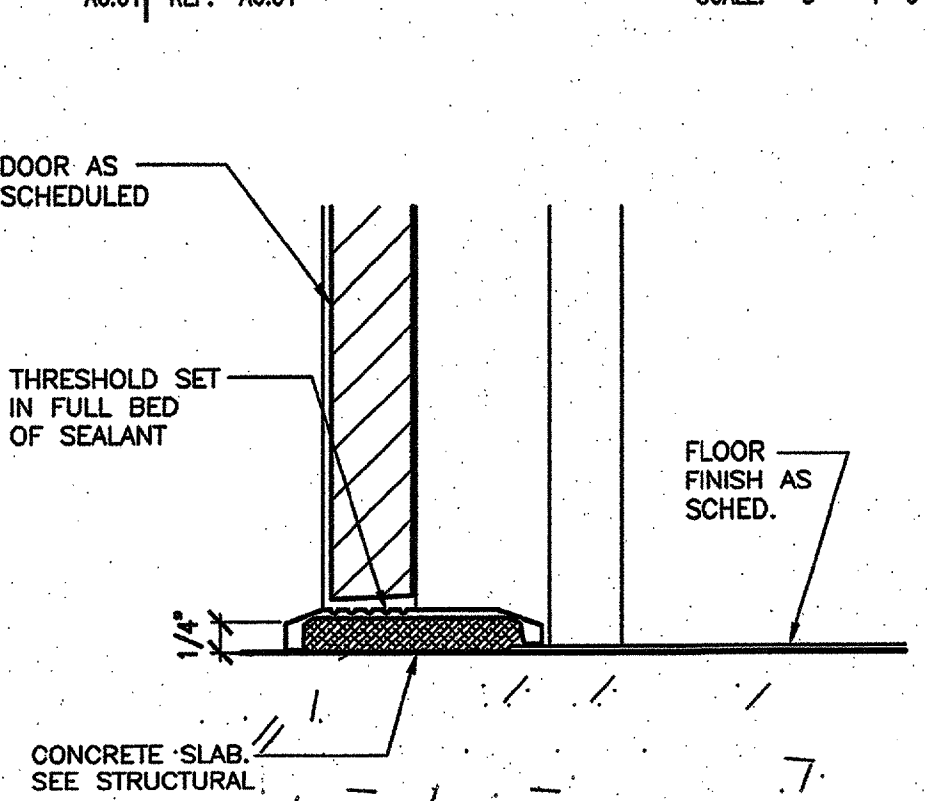


3 SILL DETAIL

A6.01 REF. A6.01 SCALE: 3" = 1'-0"

4 MULLION DETAIL

A6.01 REF. A6.01 SCALE: 3" = 1'-0"

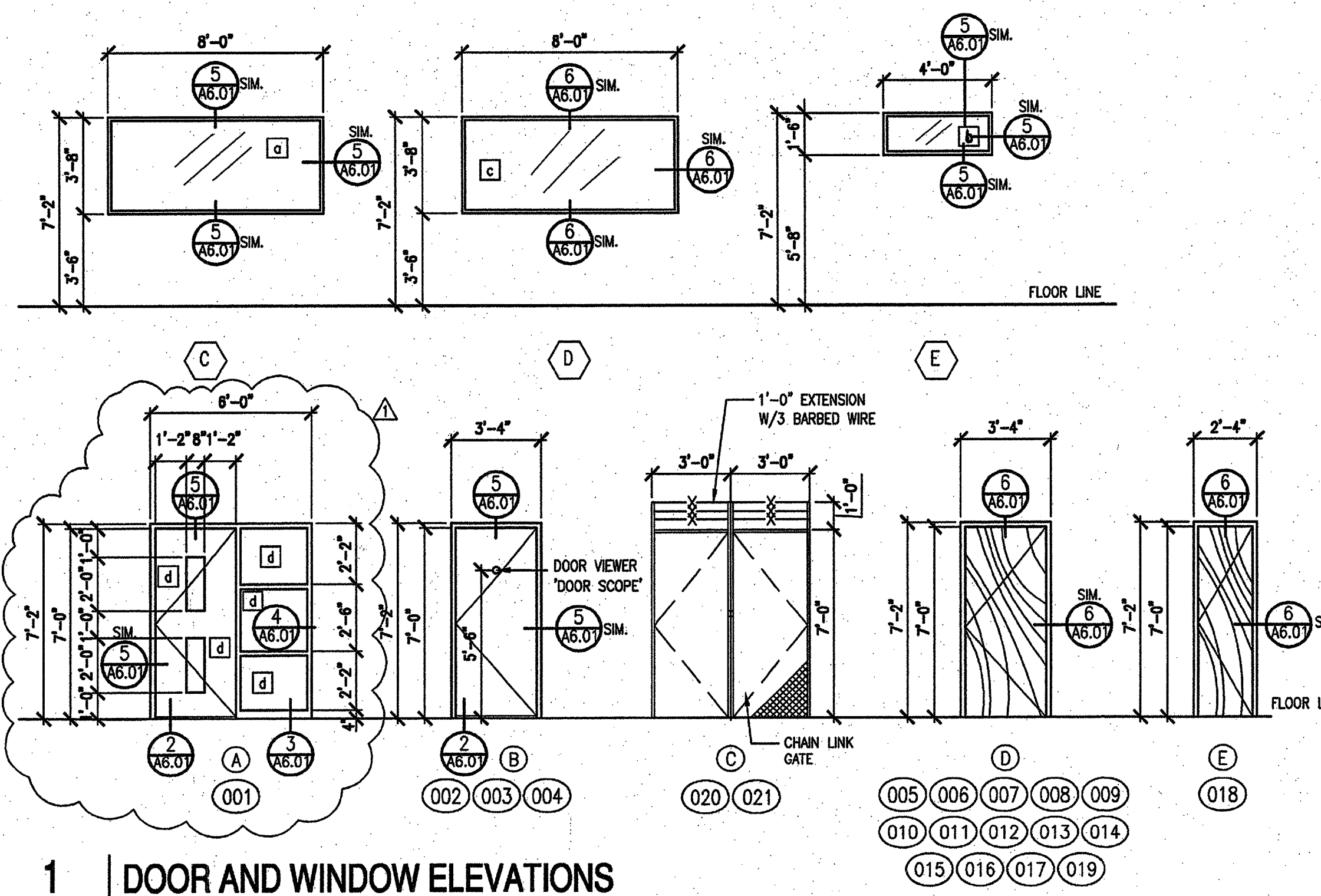


2 THRESHOLD DETAIL

A6.01 REF. A6.01 SCALE: 3" = 1'-0"

WINDOW SCHEDULE

WINDOW #	FRAME	WINDOW	WINDOW	REMARKS
	MAT.	SIZE	BLINDS	
A	HM	8'-0"x3'-8"	MB	GLAZING BY BUILDING MANUFACTURER
B	HM	6'-0"x3'-8"	MB	GLAZING BY BUILDING MANUFACTURER
C	HM	8'-0"x3'-8"	MB	GLAZING BY BUILDING MANUFACTURER
D	HM	8'-0"x3'-8"	MB	GLAZING BY BUILDING MANUFACTURER
E	HM	4'-0"x1'-6"	MB	GLAZING BY BUILDING MANUFACTURER



1 DOOR AND WINDOW ELEVATIONS

A402 REF. A1.01 SCALE: 1/4" = 1'-0"

MECHANICAL/PLUMBING SYMBOL LEGEND					
(ALL SYMBOLS MAY NOT BE USED)					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COLD WATER LINE		BALL VALVE		
	HOT WATER LINE		BUTTERFLY VALVE		
	HOT WATER RETURN LINE		GLOBE VALVE		
G	GAS LINE		GATE VALVE	AC	AIR CONDITIONER
G	GAS LINE (EXISTING)		DRAIN VALVE	A.F.F.	ABOVE FINISHED FLOOR
W	WATER LINE (EXT)		MANUAL AIR VENT.	CFM	CUBIC FEET PER MINUTE
S	SOIL LINE		GRISWOLD FLOW CONTROL VALVE	CO	CLEANOUT
S	SOIL LINE (EXISTING)		TWO-WAY CONTROL VALVE	COTG	CLEANOUT TO GRADE
	VENT PIPING		PNEUMATIC BYPASS VALVE	CW	COLD WATER
	SANITARY PIPING		TRIPLE DUTY VALVE	DCO	DOUBLE CLEANOUT
DD	DUCT SMOKE DETECTOR		CHECK VALVE	DF	DRINKING FOUNTAIN
C	RELAY COIL		GAUGE COCK	DA	DAMETER
T	THERMOSTAT		BALANCING VALVE	D-1	DIFFUSER TYPE
T	KEYED NOTE DESIGNATION		GAS COCK	EF	EXHAUST FAN
	EXHAUST FAN		GAS PRESSURE REGULATOR	EH	ELECTRIC HEATER
	SUPPLY DIFFUSER		GAS SOLENOID VALVE W/H-LO FIRE	ESP	EXT STATIC PRESS
	RETURN GRILL		RELIEF VALVE	EX	EXHAUST GRILL
	ELECTRIC THERMOSTAT		PETE'S PLUG	EXT, EXIST	EXISTING
	UNION		THERMOMETER W/WELL	FCO	FLOOR CLEANOUT
	BALANCING OR PLUG COCK		PADDLE TYPE FLOW SWITCH	FD	FLOOR DRAIN
	RISE IN PIPING		DIFFERENTIAL PRESSURE FLOW SWITCH	FS	FUME HOOD
	DROP IN PIPING		DIFFERENTIAL PRESSURE SENSOR	FPH	FLOOR SINK
	VALVE IN RISE OR DROP		PRESSURE GAUGE	GPM	FREEZE PROOF HYDRANT
	DIFFUSER SYMBOL		SENSOR WELL	HB	FREEZE PROOF HOSE BIBB
	COOLING/HEATING AIRFLOW		FLEXIBLE CONNECTOR	HW	GALLONS PER MINUTE
	MOTORIZED ZONE DAMPER		STRAINER	LAV	HOSE BIBB
			MALE HOSE CONNECTOR	MAU	HOT WATER
			PIPING REDUCER	NO.	LAVATORY
			PIPE ANCHOR	OSA	MAKE-UP AIR UNIT
			PIPE GUIDE	PAC	NUMBER
			PIPE EXPANSION LOOP	PSI	OUTSIDE AIR
			EXPANSION JOINT	RG	PACKAGED AIR CONDITIONER
			UNION	RM	POUNDS PER SQUARE INCH
			FLOW ARROW	TYP	RETURN GRILL
			TEE CONNECTION	UH	ROOM
			NEW TO EXISTING CONNECTION	UNO	TYPICAL
			CONTINUATION	UR	UNIT HEATER
				VTR	UNLESS NOTED OTHERWISE
				WCO	URINAL
				WC	VENT THRU ROOF
				WH	WALL CLEANOUT
					WATER CLOSET
					WATER HEATER

GENERAL NOTES

- A. ALL WORK SHALL BE COMPLETED IN FULL COMPLIANCE WITH THE UPC, UMC, NFPA AND ALL LOCAL CODES AND ORDINANCES.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE LAY OUT AND INSTALLATION OF THE PLUMBING SYSTEMS INCLUDING ALL COORDINATION WITH NEW MECHANICAL SERVICES, MECHANICAL EQUIPMENT AND ELECTRICAL EQUIPMENT.
- C. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF OUTAGES WITH BOTH THE OWNER AND UTILITY COMPANIES, FOR UTILITY CONNECTIONS.
- D. CONTRACTOR SHALL VERIFY INVERTS BEFORE ROUTING ANY PIPING.
- E. WASTE PIPING SHALL BE PVC OR CAST IRON. VENT PIPING MAY BE PVC PIPE OR CAST IRON ABOVE AND BELOW FLOOR, PER UPC LIMITATIONS, AND CITY CODES.
- F. ALL WATER PIPING SHALL BE TYPE L COPPER ABOVE FLOOR. PIPING BELOW FLOOR SHALL BE TYPE L COPPER OR CROSS LINKED POLYETHYLENE TUBING MEETING ASTM F87-99a.
- G. NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL ABOVE GRADE AND SHALL BE PROTECTED SCH 40 BLACK STEEL WRAPPED BELOW GRADE.
- H. SEE EQUIPMENT SCHEDULE FOR EQUIPMENT TYPES AND SIZES. MINIMUM BURY DEPTH FOR WATER IS 4' AND 2' FOR GAS.
- I. ROUTE PIPING AS NEARLY AS POSSIBLE TO ROUTES INDICATED ON PLANS. CONTRACTOR IS FREE TO MAKE MINOR CHANGES IN ROUTING TO ACCOMMODATE CONDITIONS.
- J. CONTRACTOR RESPONSIBLE FOR ALL REQUIRED TRANSITIONS, OFFSETS MINOR RELOCATIONS, AND ALL ASSOCIATED FITTINGS
- K. ALL WATER PIPING LOCATED IN EXTERIOR WALLS OF THE BUILDING SHALL BE INSULATED WITH 1/2" INSULATION.
- L. ALL HW/CW, P-TRAPS AT HANDICAPPED LAVATORIES SHALL BE INSULATED.
- M. CONTRACTOR SHALL PROVIDE 12" RISERS, CAPPED AT EACH FIXTURE FOR SHOCK ABSORPTION OR A SHOCK ABSORBER UNIT FOR THE SYSTEM.
- N. PROVIDE WALL CLEAN OUTS AND SHUT OFF VALVES AT ALL SINKS AND WALL MOUNTED URINALS.
- O. PROVIDE SHUT-OFF VALVES AT PLUMBING RISES.
- P. PROVIDE GAS COCKS AND FLEXIBLE CONNECTIONS AT EACH GAS OUTLET OR APPLIANCE.
- Q. MECHANICAL UNITS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- R. DUCTWORK SHALL BE FABRICATED AND INSTALLED PER SMACNA STANDARDS, AND UMC STANDARDS.
- S. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND ARCHITECTURAL TO DETERMINE FINAL DIFFUSERS LOCATIONS.
- T. INSULATE SUPPLY DUCTWORK AND PIPING PER SHEET M0.01.
- U. DUCT DIMENSIONS ARE CLEAR INSIDE.
- V. INSTALL TURNING VANES IN RECTANGULAR ELBOWS.
- X. ALL REGISTERS AND DIFFUSERS SHALL HAVE DAMPERS OR EXTRACTORS FOR AIR BALANCING.
- Y. INSTALL SPLITTERS AT BRANCH CONNECTIONS.
- Z. CONTRACTOR SHALL TEST AND BALANCE AIR FLOWS PER DRAWINGS AND ADJUST ALL TEMPERATURE AND CONTROL DEVICES. CONTRACTOR SHALL ALSO TEST RUN SYSTEM FOR A PERIOD OF 8 HRS., VERIFIED BY GENERAL CONTRACTOR, BEFORE GIVING NOTICE OF COMPLETION OF WORK.
- AA. FIRE PROTECTION CONTRACTOR SHALL DESIGN, FABRICATE AND INSTALL WET SPRINKLER SYSTEM, BASED ON HYDRAULIC CALCULATIONS, NFPA 13 AND OTHER APPLICABLE LOCAL CODES. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVALS. COORDINATE WITH FIRE MARSHALL ON HAZARD RATING.
- BB. CONTRACTOR SHALL PROVIDE ACCESS PANELS OF APPROPRIATE SIZE FOR ALL INACCESSIBLE REMOTE EQUIPMENT.
- CC. CONTRACTOR SHALL NOT MODIFY ANY STRUCTURAL MEMBERS SUCH AS BEAMS, COLUMNS, TRUSSES, ETC.

MINIMUM DUCT INSULATION
BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE, SECTION 803.2.8
DUCT AND PLENUM INSULATION AND SEALING. ALL SUPPLY AND RETURN DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND WITH A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE OF BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION.
EXCEPTIONS: 1. WHEN LOCATED WITHIN EQUIPMENT. 2. WHEN THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15 DEGREES F (8 DEGREES C).

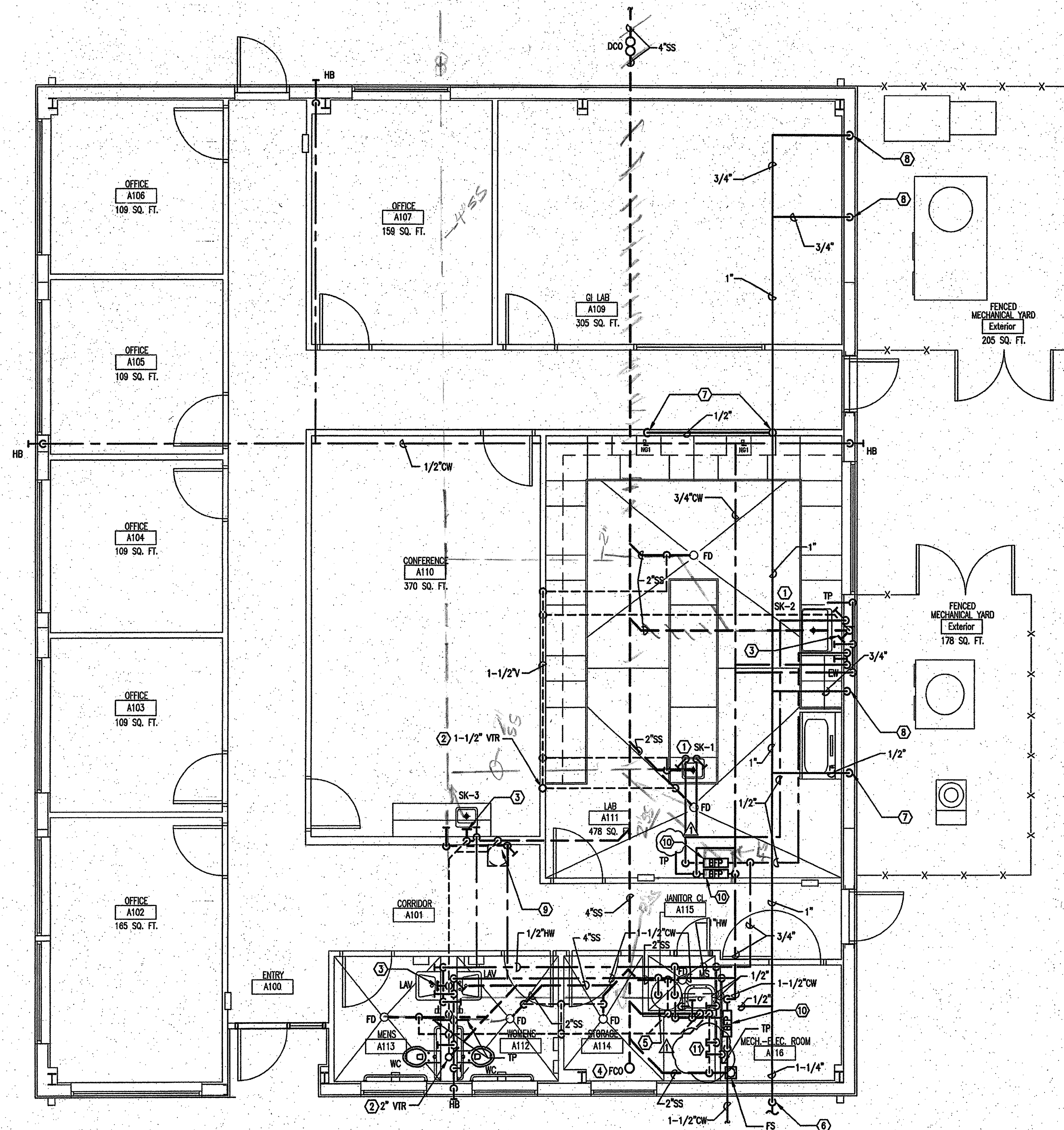
MINIMUM PIPE INSULATION		
BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE, SECTION 803.2.8		
	NOMINAL PIPE DIAMETER	
FLUID	LESS THAN OR EQUAL TO 1.5"	GREATER THAN 1.5"
STEAM	1.5	3.0
HOT WATER	1.0	2.0
CHILLED WATER, BRINE OR REFRIGERANT	1.0	1.5
NOTE: BASED ON INSULATION HAVING A CONDUCTIVITY (k) NOT EXCEEDING 0.27 BTU PER INCH PER HOUR FT ² DEGREE F.		

DMJM DESIGN | AECOM

201 THIRD ST. ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjm.com

M0.01

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH			
TITLE: MONTESSA PARK LAB FACILITY DECEMBER 2008 MECHANICAL LEGEND AND GENERAL NOTES			
Design Review Committee	City Engineer Approval	MO/08/2008	
Last Design Update		MO/08/2008	MO/08/2008
City Project No. 7940.02		Zone Map No. P-17-Z	Sheet 20 Of 31



1 | PLUMBING PLAN

M1.02 REF.

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



GENERAL NOTES

- IF THIS SHEET IS NOT 24" X 36", USE GRAPHIC SCALE.
- SEE SHEET M6.01 FOR EQUIPMENT SCHEDULES AND FIXTURE CONNECTION SIZES.
- SEE SHEET M5.01 FOR ISOMETRIC DIAGRAMS.
- SEE SHEET M5.02 FOR DETAILS.
- PROVIDE WATER SHUTOFF AT SERVICE ENTRY PER COA STANDARD DRAWING 2363.

KEYED NOTES

- PROVIDE SIGNAGE AT SINK LOCATIONS IN LAB A111 STATING "NOTICE: NON POTABLE WATER NOT TO BE USED FOR DRINKING, WASHING OR COOKING PURPOSES".
- VENT THROUGH ROOF, SEE DETAIL 5 ON SHEET M5.02.
- WALL CLEANOUT, SEE DETAIL 7 ON SHEET M5.02.
- FLOOR CLEANOUT, SEE DETAIL 4 ON SHEET M5.02.
- WATER HEATER, WH-1, SEE DETAIL 6 ON SHEET M5.02.
- GAS LINE. SEE SHEET C-1.02 FOR CONTINUATION.
- NATURAL GAS DROP FOR LAB USE.
- NATURAL GAS DROP FOR MECHANICAL EQUIPMENT OUTSIDE.
- 1-1/4"SS AND 1/2"CW FOR FUTURE DRINKING FOUNTAIN, CAPPED IN WALL.
- INSTALL BACKFLOW PREVENTERS AT THIS LOCATION.
- CAP COLD & HOT WATER AT WALL.



DMJM DESIGN | AECOM

201 THIRD ST., ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjmd.com

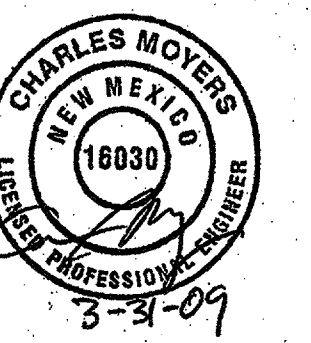
M1.02

CITY OF ALBUQUERQUE
DEPARTMENT OF ENVIRONMENTAL HEALTH

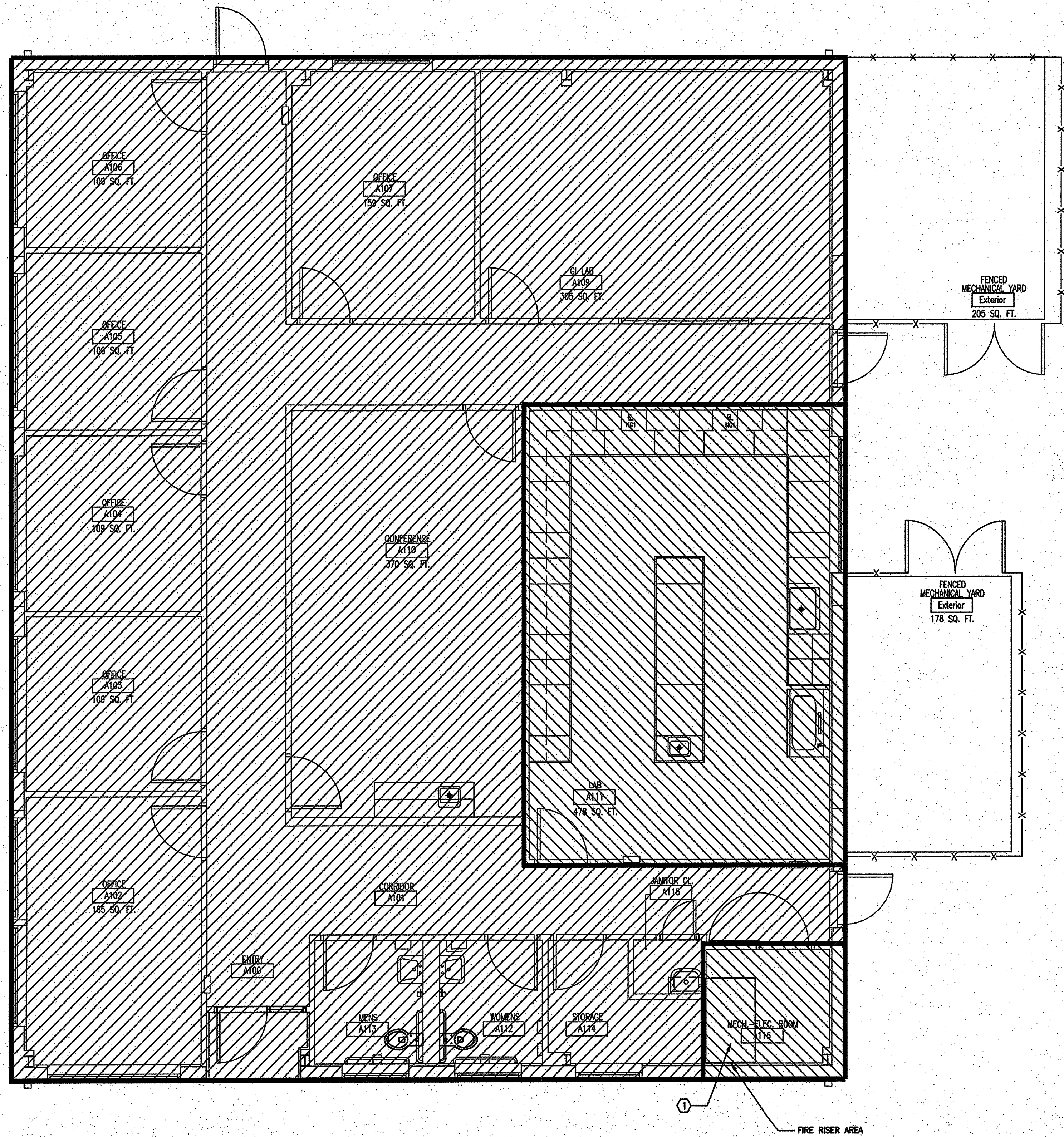
TITLE: **MONTESSA PARK LAB FACILITY** DECEMBER 2008
PLUMBING PLAN

Design Review Committee	City Engineer Approval	MS-7087/216	MS-7087/216
City Project No. 7840.02	Zone Map No. P-17-Z	Sheet 23	Of 31

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		SEAL		REVISIONS / REMARKS		BY	
CONTRACTOR	DATE			FIELD NOTES	DATE			NO.		DLW	
WORK STAKED BY	DATE										
INSPECTOR'S APPROVAL	DATE										
FIELD VERIFICATION BY	DATE										
DRAWING CORRECTED BY	DATE										
MICRO-FILM INFORMATION											
RECORDED BY	DATE										
NO.											



DESIGNED BY: D.B. DATE: DECEMBER 2008
DRAWN BY: D.B. DATE: DECEMBER 2008
CHECKED BY: E.M. DATE: DECEMBER 2008



1 | FIRE PROTECTION PLAN
M1.01 REF. SCALE: 1/4" = 1'-0"

GENERAL NOTES

- A. IF THIS SHEET IS NOT 24" X 36", USE GRAPHIC SCALE.
- B. BEFORE ANY WORK ON THE FIRE PROTECTION SYSTEM IS DONE, THE CONTRACTOR SHALL OBTAIN TEST FLOW DATA FROM THE CITY OR BY CONDUCTING A FLOW TEST TO DETERMINE IF ADEQUATE WATER PRESSURE IS AVAILABLE FOR FIRE PROTECTION. IF THE PRESSURE IS NOT ADEQUATE, THE CITY AND THE ENGINEER SHALL BE CONTACTED TO DETERMINE WHAT MEASURES NEED TO BE TAKEN.
- C. THE CONTRACTOR SHALL PROVIDE TWO SETS OF SHOP DRAWINGS FOR THE FIRE SPRINKLER SYSTEM AND TWO SETS OF SHOP DRAWINGS FOR THE FIRE ALARM SYSTEM TO THE CITY PLAN CHECK DEPARTMENT FOR APPROVAL.

KEYED NOTES

- 1. SEE DETAIL 8 ON SHEET M-5.02 FOR FIRE RISER WITH BACK FLOW PREVENTER.

LEGEND:

- LIGHT HAZARD
- ORDINARY HAZARD GROUP 1



DMJM DESIGN | AECOM

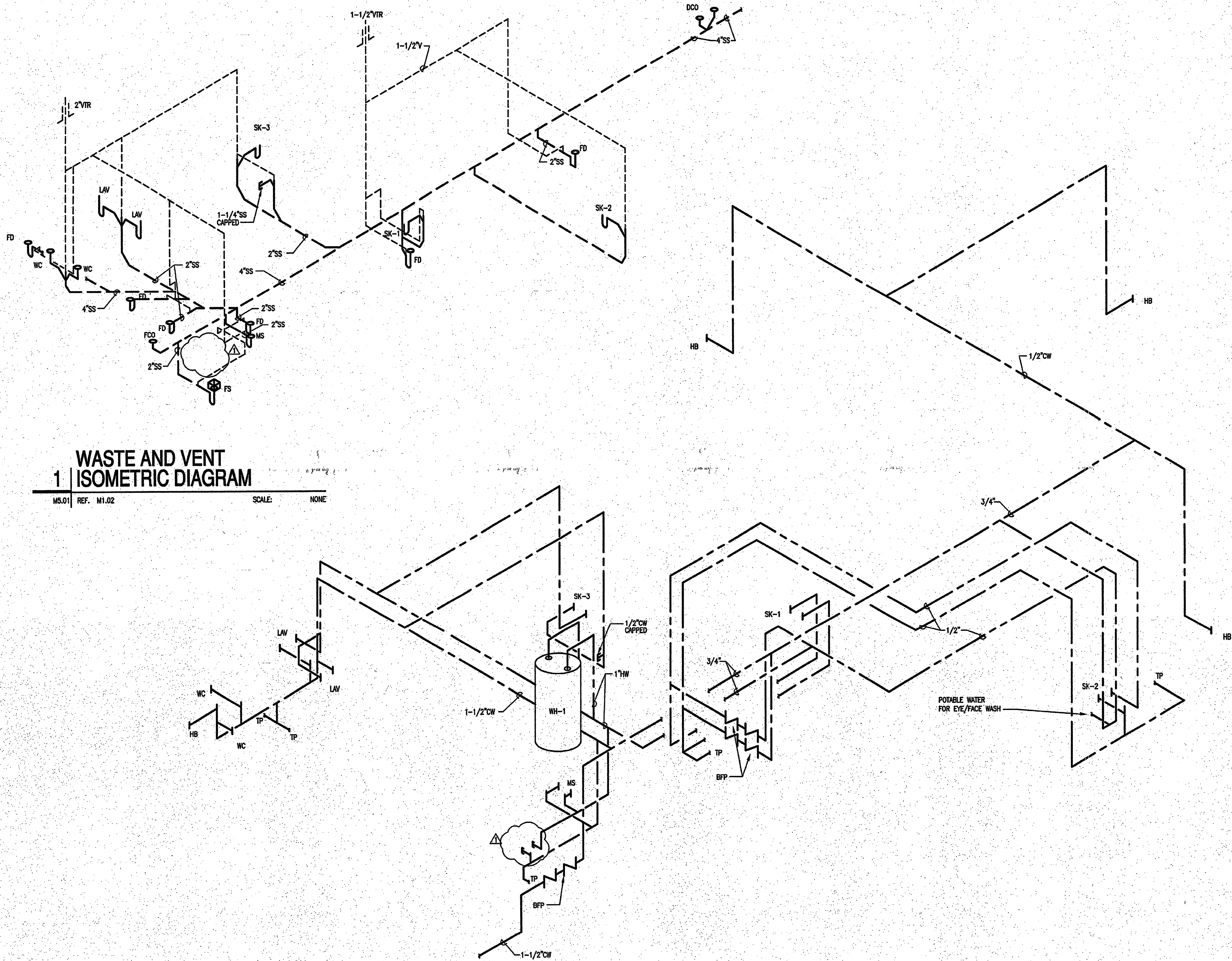
201 THIRD ST. ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjmdesign.com

M1.03

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH			
TITLE: MONTESSA PARK LAB FACILITY		DECEMBER 2008	
FIRE PROTECTION PLAN			
Design Review Committee	City Engineer Approval	NO. 2007/208	NO. 2007/208
Last Design Update			
City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 24	Of 31

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		SEAL	REVISIONS / REMARKS		BY	
CONTRACTOR	DATE:			FIELD NOTES	DATE		NO.	DATE	DLW	
WORK STAKED BY	DATE:									
INSPECTOR'S APPROVAL BY	DATE:									
FIELD VERIFICATION BY	DATE:									
DRAWING CORRECTED BY	DATE:									
MICRO-FILM INFORMATION										
RECORDED BY	DATE:									
NO.										

DESIGNED BY: S. B.	DATE: DECEMBER 2008
DRAWN BY: S. B.	DATE: DECEMBER 2008
CHECKED BY: E. M.	DATE: DECEMBER 2008



1 WASTE AND VENT
ISOMETRIC DIAGRAM

M5.01 REF. M1.02 SCALE: NONE

2 DOMESTIC WATER
ISOMETRIC DIAGRAM

M5.01 REF. M1.02 SCALE: NONE

GENERAL NOTES

- A. IF THIS SHEET IS NOT 24" X 36", USE GRAPHIC SCALE.
- B. SEE SHEET M6.01 FOR EQUIPMENT SCHEDULES AND FIXTURE CONNECTION SIZES.
- C. SEE SHEET M1.02 FOR PLAN LAYOUT.
- D. SEE SHEET M5.02 FOR DETAILS.

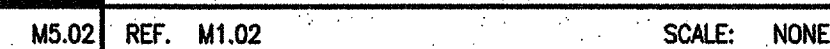
AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		SEAL	REVISIONS / REMARKS		BY	
CONTRACTOR	DATE	WORK STAGED BY	DATE	FIELD NOTES	DATE		NO.	DATE	BY	DATE
		INSPECTOR'S APPROVAL	DATE							
		FIELD VERIFICATION BY	DATE							
		DRAWING CORRECTED BY	DATE							
		MICRO-FILM INFORMATION								
		RECORDED BY	DATE							
		NO.								

DMJM DESIGN | AECOM

201 THIRD ST., ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjm.com

M5.01

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH			
TITLE: MONTESSA PARK LAB FACILITY ISOMETRIC DIAGRAMS		DECEMBER 2008	
Design Review Committee	City Engineer Approval	Update	Update
City Project No. 7840.02	Zone Map No. P-17-Z	Sheet 25	Of 31



City Project No. 7940.02	Zone Map No. P-17-Z	Sheet 26		Of 31
------------------------------------	-------------------------------	--------------------	---	-----------------

LEGEND

	RECESSED OR SURFACE MOUNTED FIXTURE. PREFIX # INDICATES CIRCUIT NUMBER. UPPER CASE LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES SWITCH DESIGNATION THAT CONTROLS THE FIXTURE.	A	AMP
	RECESSED, SURFACE, OR PENDANT MOUNTED FIXTURE WITH EMERGENCY LIGHTING BATTERY, PACK. PREFIX # INDICATES CIRCUIT NUMBER. UPPER CASE LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES SWITCH DESIGNATION THAT CONTROLS THE FIXTURE.	AFF	ABOVE FINISHED FLOOR
	CEILING MOUNTED JUNCTION BOX	BFG	BELOW FINISHED GRADE
	CEILING MOUNTED SMOKE DETECTOR TO BE REMOVED, UNO.	C	CONDUIT
	WALL MOUNTED EXIT LIGHT	EPO	EMERGENCY POWER OFF
	SURFACE, WALL, (WITH TEE BRACKET) OR PENDANT FIXTURE AS NOTED. FIXTURE, PREFIX # INDICATES CIRCUIT NUMBER. UPPER CASE LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER DENOTES SWITCH THAT CONTROLS THE FIXTURE.	EUTP	ENHANCED UNSHIELDED TWISTED PAIRS
	RECESSED INCANDESCENT OR PL LAMP FIXTURE AS NOTED. FIXTURE PREFIX # INDICATES CIRCUIT NUMBER. UPPER CASE LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER DENOTES SWITCH THAT CONTROLS THE FIXTURE.	EW	ELECTRIC WATER COOLER
	SURFACE OR PENDANT FIXTURE WITH EMERGENCY LIGHTING BATTERY PACK. FIXTURE PREFIX # INDICATES CIRCUIT NUMBER. UPPER CASE LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES SWITCH DESIGNATION THAT CONTROLS THE FIXTURE.	EX	EXISTING TO REMAIN, UNO
	WALL MOUNTED HID LIGHTING FIXTURE. LETTER DENOTES FIXTURE TYPE	FLA	FULL LOAD AMPS
	WALL OR CEILING MOUNTED SINGLE FACE EXIT LIGHT. LETTER DENOTES FIXTURE TYPE, ARROW DENOTES DIRECTIONAL ARROW.	GND, G	GROUND
	CEILING MOUNTED DOUBLE FACE EXIT LIGHT. LETTER DENOTES FIXTURE TYPE, ARROW DENOTES DIRECTIONAL ARROWS.	GRS	GALVANIZED RIGID STEEL
	SINGLE POLE SINGLE THROW TOGGLE SWITCH, PREFIX # INDICATE CIRCUIT NUMBER. LOWER CASE LETTER DENOTES SWITCH DESIGNATION. MOUNT SWITCH AT 48" AFF.	N	NEUTRAL
	SINGLE POLE SINGLE THROW TOGGLE 3-WAY SWITCH, PREFIX # INDICATES CIRCUIT NUMBER. LOWER CASE LETTER DENOTES SWITCH DESIGNATION. MOUNT SWITCH AT 48" AFF.	PR	PAIR
	OCCUPANCY SENSOR	R	EXISTING TO BE REMOVED, UNO.
	TWO SPEED FAN CONTROL SWITCH	RLA	RUNNING LOAD AMPS
	FUSED DISCONNECT SWITCH	SN	SOLID NEUTRAL
	NON-FUSED DISCONNECT SWITCH	TTB	TELEPHONE TERMINAL BOARD
	FRACTIONAL HORSEPOWER 120 VOLT THERMAL OVERLOAD DISCONNECT SWITCH	TYP	TYPICAL
	NEUTRAL, HOT, SWITCH, GROUND & ISOLATED GROUND CONDUCTOR, RESPECTIVELY.	UNO	UNLESS NOTED OTHERWISE
	HOMERUN TO PANELBOARD	V	VOLT
	CONCEALED CONDUIT IN WALL OR CEILING	W	WIRE
	CONCEALED CONDUIT IN WALL OR BELOW SLAB OR GRADE.	WP	WEATHERPROOF
	3/4" TELEPHONE RACEWAY WITH PULLROPE AND TWO 4 TWISTED PAIR #24 COPPER CAT 5E CABLE PER DUPLEX RJ-45 OUTLET.	W	TELEPHONE OUTLET UP 48" TO TOP (1-RJ45)
	TWO PLENUM RATED CAT 5E FOUR TWISTED PAIR #24 COPPER PER DUPLEX RJ-45 OUTLET.	W	TELEPHONE/DATA OUTLET (1-RJ45 AND 1-RJ45) UP 18" TO BOTTOM
	3/4" DATA RACEWAY WITH PULLROPE AND TWO 4 TWISTED PAIR #24 COPPER CAT 5e CABLE PER DUPLEX RJ-45 OUTLET.	CIV	CABLE TELEVISION OUTLET
	PANELBOARD AS NOTED		DRIVEN GROUND ROD (3/4"x10'-0")
	EXISTING PANELBOARD AS NOTED		GROUND CONNECTION
	DUPLEX RECEPTACLE DEDICATED CIRCUIT (PHASE, NEUTRAL, GROUND) 20A NEMA 5-20R, 18" AFF UNO (IVORY).	M	MOTOR. NUMBER DENOTES H=HORSEPOWER, W=WATTS
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER 20A, 18" AFF UNO (FEED-THRU NOT PERMITTED) WP INDICATES WEATHERPROOF LOCATIONS PROVIDE TAYMAC NEMA 3R COVER OR EQUAL.	1/2"	CONDUIT TRADE SIZE DESIGNATOR
	FOUR PLEX FLOOR RECEPTACLE		TELEPHONE TERMINAL CABINET FLUSH IN WALL
	FOUR PLEX RECEPTACLE (IVORY). 18" AFF UNO		GROUND BAR
	DUPLEX RECEPTACLE, NEMA 5-20R, 18" A.F.F. UNO.		CIRCUIT BREAKER
	DOUBLE DUPLEX DEDICATED CIRCUIT RECEPTACLE, NEMA 5-20R, (IVORY), 18" A.F.F. UNO.		AVAILABLE FAULT CURRENT (AMPS INTERRUPTING CURRENT)
	SPECIAL PURPOSE 250V, GROUNDING TYPE RECEPTACLE 18" A.F.F. U.N.O.		FIRE ALARM CONTROL PANEL
	CEILING MOUNTED DUPLEX RECEPTACLE, NEMA 5-20R		FIRE ALARM SYSTEM MANUAL PULLSTATION. TOP AT 48".
	TRANSIENT VOLTAGE SURGE SUPPRESSOR		FIRE ALARM SYSTEM CEILING SMOKE DETECTOR
	MECHANICAL EQUIPMENT REFERENCE		FIRE ALARM SYSTEM CEILING HEAT DETECTOR
	PHASE		FIRE ALARM SYSTEM DUCT DETECTOR
	KEYED NOTE REFERENCE		FIRE ALARM SYSTEM HORN/STROBE ASSEMBLY AT 7'-6" A.F.F. TO WALL
	EMERGENCY POWER OFF PUSHBUTTON		FIRE ALARM SYSTEM STROBE AT 7'-6" A.F.F. TO WALL
	PLUGMOLD RECEPTACLE		FIRE ALARM SYSTEM RACEWAY CONCEALED IN WALL, CEILING OR FLOOR.

GENERAL NOTES

- A. 120 VOLT, 20 AMP BRANCH CIRCUITS THAT EXCEED 100 FEET IN LENGTH SHALL BE #10 THHN/THWN.
- B. UNLESS OTHERWISE NOTED OR SPECIFIED 600 VOLT CONDUCTORS SHALL HAVE THHN/THWN INSULATION. AS A MINIMUM, RACEWAY SHALL BE 3/4" EMT (ABOVE GROUND IN DRY LOCATION). IMC, RGS, OR PVC AS LISTED IN SPECIFICATIONS.
- C. PROVIDE AND INSTALL ALL ELECTRICAL FACILITIES IN A WORKMANLIKE MANNER AND IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, PLANS AND ASSOCIATED NOTES, NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.
- D. CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS AT JOB SITE.
- E. INSTALL ALL THERMOSTATS, CONTROLS AND MAKE REQUIRED CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS.
- F. INCLUDE IN THE CONSTRUCTION BID THE COSTS OF ALL PERMITS, TESTS AND INSPECTIONS. VISIT THE SITE OF WORK BEFORE SUBMITTING BID.
- G. COORDINATE WORK WITH OTHER TRADES AND REFER TO ARCHITECTURAL AND MECHANICAL PLANS TO DETERMINE THE EXACT LOCATION OF EQUIPMENT, FIXTURES AND DEVICES.
- H. GUARANTEE ALL WORK AND MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE.
- I. PREPARE A SET OF MARKED UP PRINTS SHOWING ALL CHANGES MADE DURING CONSTRUCTION AND SUBMIT TO THE OWNER AT THE END OF THE JOB. ALL CHANGES MUST HAVE OWNERS APPROVAL.
- J. ANY DISCREPANCIES BETWEEN MATERIAL DESCRIPTION AND CATALOG NUMBERS SHALL BE BROUGHT TO THE ARCHITECT'S, ENGINEER'S OR OWNERS ATTENTION IMMEDIATELY.
- K. SUBMIT SHOP DRAWINGS OR CATALOG CUTS ON ALL LIGHTING FIXTURES AND OTHER EQUIPMENT WHICH MAY BE DIFFERENT FROM THAT SPECIFIED.
- L. COORDINATE ANY INTERRUPTION OF ELECTRICAL SERVICES WITH THE OWNER AT LEAST 7 DAYS PRIOR TO THE INTENDED OUTAGE. REQUEST OUTAGES IN WRITING WITH A COPY TO THE ARCHITECT AND OWNER.
- M. ALL CONDUCTORS SHALL HAVE THHN/THWN INSULATION, EXCEPT WHERE OTHERWISE SHOWN OR NOTED.
- N. PROVIDE COLOR CODING FOR 208Y/120V-3P-4W CIRCUITS AND MAINTAIN SAME COLOR CODING THROUGHOUT.
- O. LABEL THE COVER OF THE SAFETY SWITCHES.
- P. ROUTE EXPOSED CONDUIT ON WALLS AND CEILINGS IN A NEAT WORKMANLIKE MANNER. ROUTE CONDUIT EXPOSED ONLY WHERE IT HAS BEEN SPECIFICALLY APPROVED BY THE OWNER.
- Q. PROVIDE CODE-GAUGE PULLBOXES THAT MEET THE MINIMUM SIZES AS RECOMMENDED BY NEC FOR THE NUMBER AND SIZE OF CONDUCTORS INSTALLED.
- R. FURNISH AND INSTALL ALL CHANNELS REQUIRED FOR THE SUPPORT OF SURFACE FLUORESCENT LIGHTING FIXTURES.

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		SEAL		REVISIONS / REMARKS		NO. DATE	
CONTRACTOR	DATE:	WORK STAKED BY	DATE:	FIELD NOTES	DATE		BY	REVISIONS / REMARKS	BY	NO.	DATE
INSPECTOR'S APPROVAL	DATE:	FIELD VERIFICATION BY	DATE:								
DRAWING CORRECTED BY	DATE:										
MICRO-FILM INFORMATION											
RECORDED BY	DATE:										
NO.											

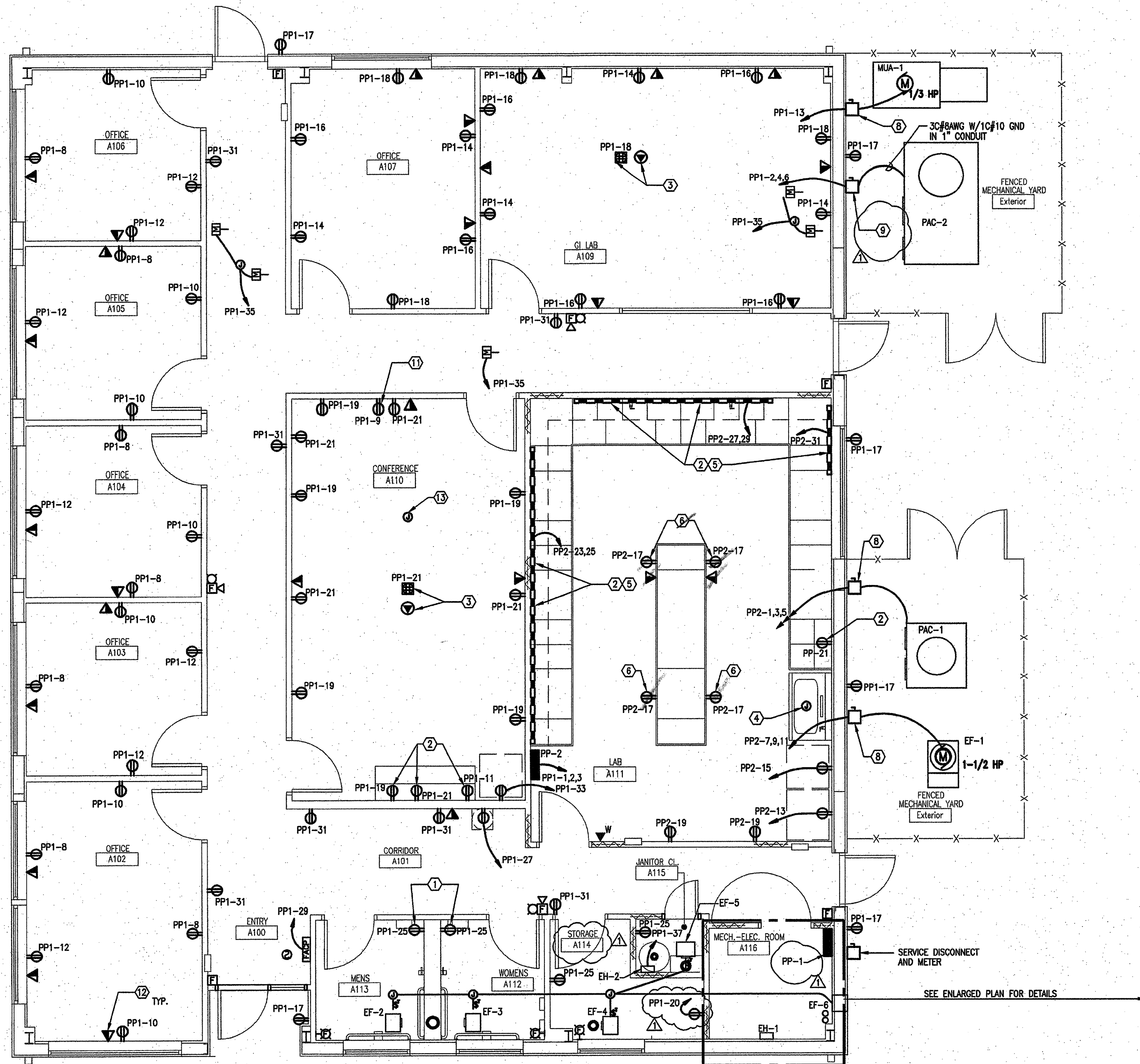
DESIGNED BY: J.D. DATE: DECEMBER 2008
DRAWN BY: D.J. DATE: DECEMBER 2008
CHECKED BY: R.W. DATE: DECEMBER 2008

DMJM DESIGN | AECOM

201 THIRD ST. ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjmdesign.com

E0.01

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH									
TITLE: MONTESSA PARK LAB FACILITY LEGEND AND GENERAL NOTES							DECEMBER 2008		
Design Review Committee		City Engineer Approval			Last Design Update	MO/DA/YR		MO/DA/YR	
City Project No. 7940.02		Zone Map No. P-17-Z			Sheet 28		Of 31		



RECEPTACLE AND COMMUNICATIONS PLAN

E1.01 REF. SCALE: 1/4" = 1'-0"

MECH-ELEC ROOM ENLARGED PLAN

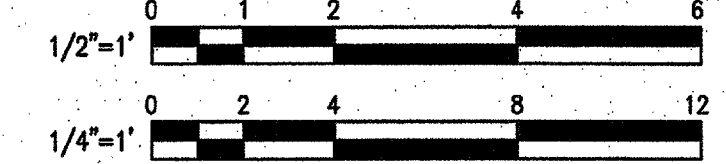
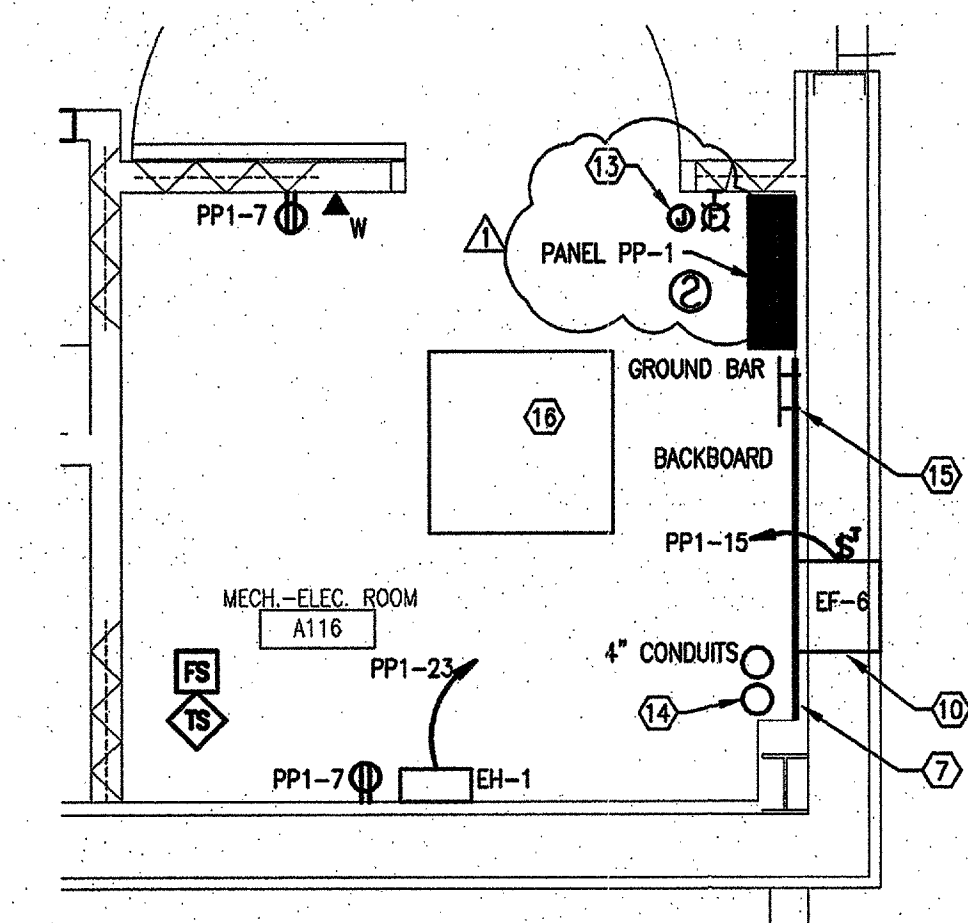
E1.01 REF. SCALE: 1/2" = 1'-0"

GENERAL NOTES

- IF THIS SHEET IS NOT 24" X 36", USE GRAPHIC SCALE.
- ALL RECEPTACLES IN BATHROOMS OR SHOWER AREAS OR WITHIN 6 FEET OF WATER COOLER, SINK, OR FLOOR SINK WILL BE GFCI.
- ALL OUTSIDE RECEPTACLES SHALL BE WEATHERPROOF GFCI.
- ALL RECEPTACLES TO BE 18" AFF U.N.O.
- SEE SHEET E0.01 FOR LEGEND AND GENERAL NOTES.
- SEE SHEET E5.00 FOR SCHEDULES AND DETAILS.
- SEE MECHANICAL SPECIFICATIONS FOR CONTROL OF EXHAUST FANS.
- ABOVE GROUND EXTERIOR CONDUIT TO BE IMC.
- NO MORE THAN 3 120V CIRCUITS PER HOMERUN.
- GENERAL CONTRACTOR SHALL PROVIDE CONDUIT AND BOXES FOR INSTALLATION OF DATA CABLE BY OTHERS. ALL RUNS WILL COMPLY WITH EIA/TIA 568B STD. CATEGORY 5e CABLE WILL BE USED. BOX SHALL BE STANDARD 2"x4" WALL BOX MOUNTED AT 18" AFF.

KEYED NOTES

- MOUNT RECEPTACLES IN RESTROOMS AT 42" AFF.
- MOUNT RECEPTACLES ABOVE COUNTER. SEE ARCHITECTURAL DRAWINGS FOR COUNTER HEIGHT.
- FLOOR MOUNTED QUADPLEX AND TELEPHONE/DATA RECEPTACLE.
- COORDINATE SERVICE FOR FUME HOOD WITH INSTALLER. FEED FROM PP-2. KEEP LOAD BALANCED.
- PROVIDE NONMETALLIC DEVICES AND RACEWAY. SEE 1/E5.00.
- MOUNT ON EDGE OF COUNTER.
- INSTALL TELEPHONE BACKBOARD. COORDINATE WITH UTILITY FOR EXACT REQUIREMENTS AND MOUNTING.
- 30A NONFUSED DISCONNECT, NEMA 3R.
- 60A NONFUSED DISCONNECT, NEMA 3R. PAC-2 SHALL BE SHUT DOWN UPON THE ACTIVATION OF THE FIRE ALARM SYSTEM.
- EF-6 THROUGH WALL ABOVE TELEPHONE BACKBOARD, AS HIGH AS POSSIBLE.
- COORDINATE RECEPTACLE LOCATION WITH INSTALLATION OF PLASMA TV.
- RUN TELEPHONE BACK TO TELEPHONE BOARD IN ROOM A116. RUN DATA BACK TO RACK IN ROOM A116. COORDINATE WITH OWNER FOR LOCATION.
- CEILING MOUNTED JUNCTION FOR FUTURE PROJECTOR. INSTALL 1" CONDUIT WITH PULL TAPE TO JUNCTION BOX ON CEILING IN ROOM A116.
- 4" CONDUIT STUBBED UP 4" AFF WITH GROUNDING BUSHING. CONDUITS WILL STUB OUT 5" FROM BUILDING IN HANDHOLE. CAP ONE CONDUIT. OTHER CONDUIT TO PROCEED TO MAIN COMM ROOM IN EXISTING LABORATORY FACILITY. SEE C1.02.
- GROUND BAR. SEE 4/E5.00.
- COMM RACK TO BE LOCATED 3 FEET FROM WEST, AND SOUTH SIDE AND A MINIMUM OF 1 FOOT FROM EAST WALL. FEED RACK FROM PP1. COORDINATE REQUIREMENTS WITH INSTALLER.



DMJM DESIGN | AECOM

201 THIRD ST. ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjn.com

E1.01

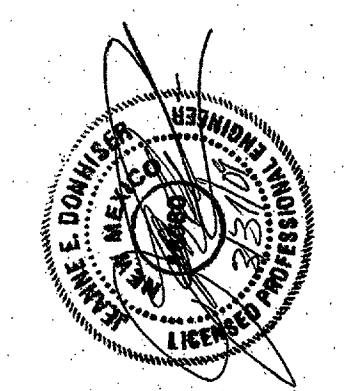
CITY OF ALBUQUERQUE
DEPARTMENT OF ENVIRONMENTAL HEALTH

TITLE: MONTESSA PARK LAB FACILITY DECEMBER 2008
RECEPTACLE AND COMMUNICATIONS PLAN

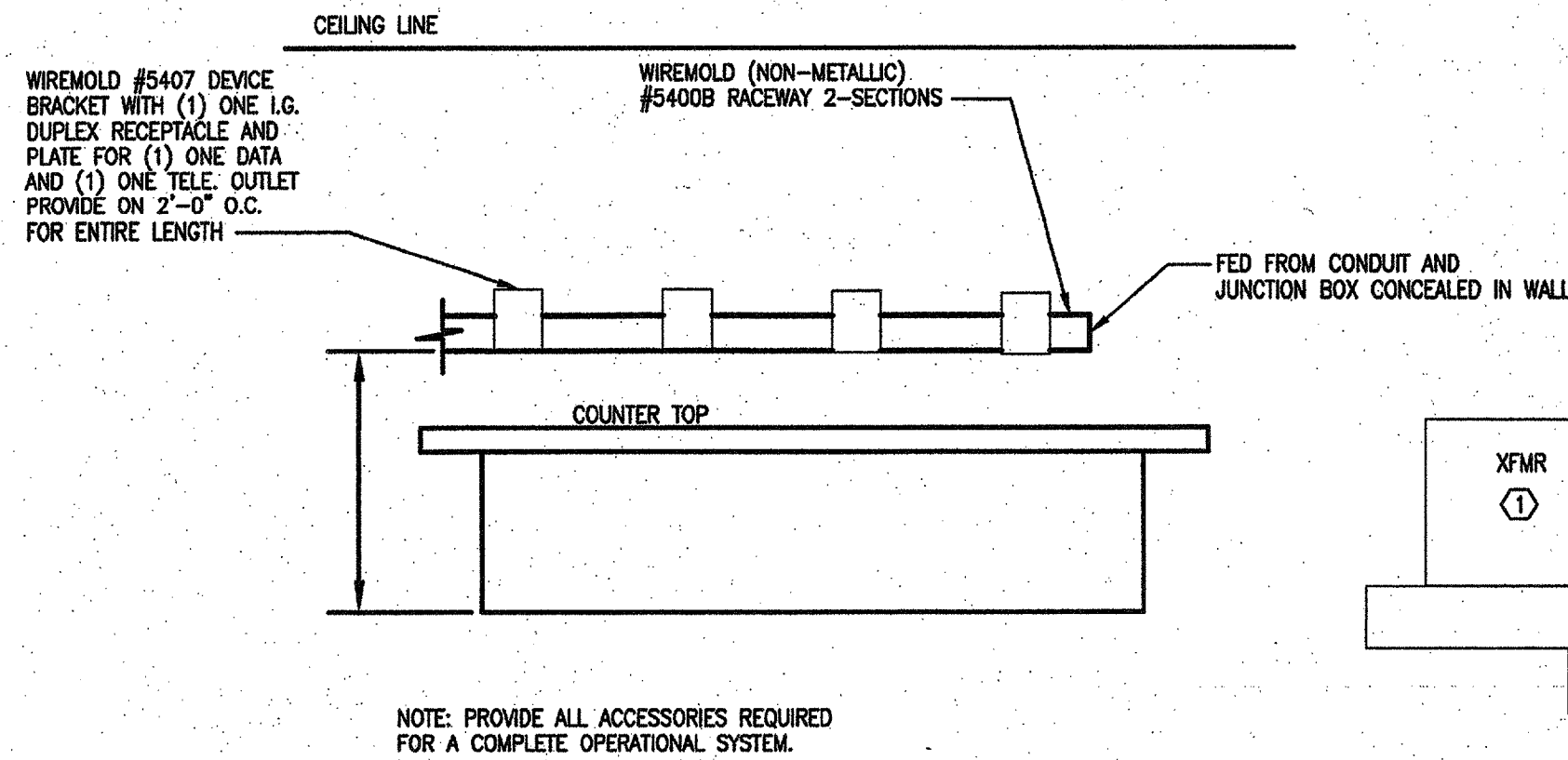
Design Review Committee	City Engineer Approval	NO. 2007/208	NO. 2007/208

City Project No. 7040.02 Zone Map No. P-17-2 Sheet 29 of 31

AS BUILT INFORMATION		BENCHMARK		SURVEY INFORMATION		FIELD NOTES		SEAL		BY		REVISIONS / REMARKS		NO. DATE	
CONTRACTOR	DATE:	INSPECTOR'S APPROVAL	DATE:	NO.	DATE:	NO.	DATE:			DLV					
WORK STAGED BY	DATE:	INSPECTOR'S APPROVAL	DATE:												
FIELD VERIFICATION BY	DATE:	INSPECTOR'S APPROVAL	DATE:												
DRAWING CORRECTED BY	DATE:	INSPECTOR'S APPROVAL	DATE:												
MICRO-FILM INFORMATION	DATE:	INSPECTOR'S APPROVAL	DATE:												
RECORDED BY	DATE:	INSPECTOR'S APPROVAL	DATE:												
NO.		INSPECTOR'S APPROVAL	DATE:												

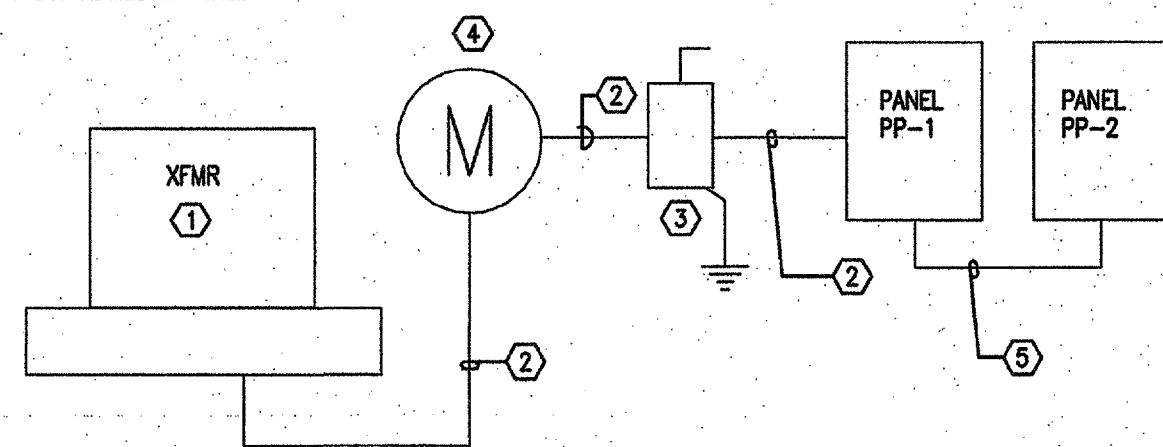


DESIGNED BY: J.D. DATE: DECEMBER 2008
DRAWN BY: D.B. DATE: DECEMBER 2008
CHECKED BY: R.W. DATE: DECEMBER 2008



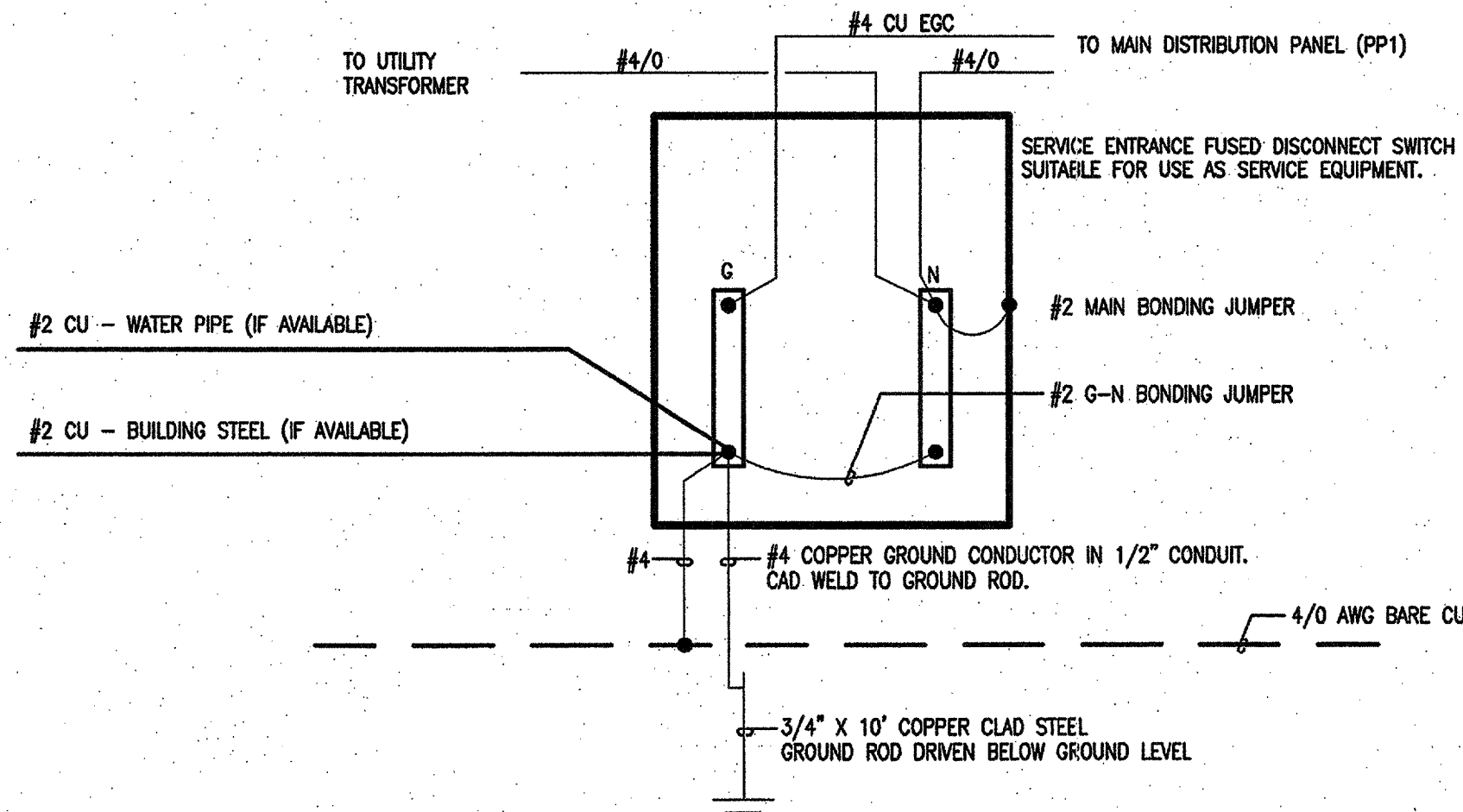
1 SURFACE RACEWAY DETAIL

E5.00 REF. SCALE: NONE



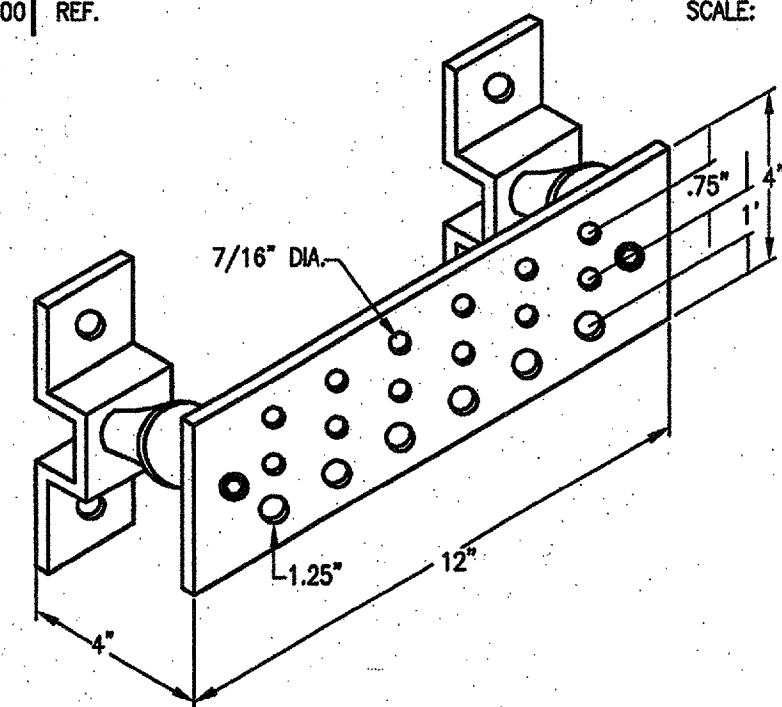
2 ONE-LINE DIAGRAM

E5.00 REF. SCALE: NONE



3 GROUNDING DETAIL

E5.00 REF. SCALE: NONE



4 ELECTRICAL ROOM GROUND BAR DETAIL

E5.00 REF. E1.01 SCALE: NONE

PANEL: PP-1	PHASE: 3	WIRE: 4 WITH GROUND	LOCATION: A116
TYPE: 208 Y / 120 V	MAIN CIRCUIT BREAKER: 225	MOUNTING: SURFACE	
TVSS: Yes	BREAKER TYPE: 225A	PANEL DEVICE MIN. RATING: 22,000 A RMS SYMMETRICAL	
BUSING AMPS: 225A	FED FROM: PP-1		

DESCRIPTION	BRANCH CHARACTERISTICS												DESCRIPTION
	LOAD VA			BKR			CCT			LOAD VA			
	A	B	C	TR	NO	TR	A	B	C	TR	NO	TR	
PP-2 RM A111	12000			100	1	A	2	35	3602				BLDG PAC UNIT PAC-2
(2) RECEPTACLES RM A116	360			20	7	A	8	20	1260				(7) RECEPTACLES RM A102, A103, A104, A105, & A106
PLASMA TV RM A110				20	9	B	10	20	1260				(7) RECEPTACLES RM A102, A103, A104, A105, & A106
COFFEE MAKER RM A110				20	11	C	12	20	1260				(7) RECEPTACLES RM A102, A103, A104, A105, & A106
LAB MAKEUP UNIT MUA-1	1056			20	13	A	14	20	900				(5) RECEPTACLES RM A107 & A109
EXHAUST FANS A113, A114, A115, & A116		178		20	15	B	16	20	1080				(6) RECEPTACLES RM A107 & A109
(6) RECEPTACLES, EXTERIOR				20	17	C	18	20					(6) RECEPTACLES RM A107 & A109
(6) RECEPTACLES RM A110	1080			20	19	A	20	20	1440				REFRIGERATOR/FREEZER
(7) RECEPTACLES RM A110				20	21	B	22	20					SPARE
MECH/ELEC WALL HEATER EH-1 RM A116		750		20	23	C	24	20					SPARE
(4) RECEPTACLES RM A112, A113, A114, & A115	720			20	25	A	26	20					SPARE
WATER COOLER RM A101		780		20	27	B	28	20					SPARE
FIRE ALARM PANEL RM A101		200		20	29	C	30	20					SPARE
(7) RECEPTACLES RM A101 & A102	1260			20	31	A	32	20					
MINI-REFRIGERATOR RM A110		1080		20	33	B	34	20					
DAMPERS RM A101 & A109		120		20	35	C	36	20					
JANITOR'S WALL HEATER RM A115	800			20	37	A	38	20					
LTG - RMS: A107, A109, A110, 1111		1305		20	39	B	40	20					
LTG - RMS: A100, A102-A106, A112-A116		1194		20	41	C	42	20					
	17076	17804	16544						7202	5942	5942		
TOTAL CONNECTED VA													
PHASE A= 24278													
PHASE B= 23746													
PHASE C= 22486													
SUBTOTAL = 70510													
SECTION 1													
SECTION 2													
TOTAL = 70510													
LESS MOTOR STARTING													

PANEL: PP-2	PHASE: 3	WIRE: 4 WITH GROUND	LOCATION: A111
TYPE: 208 Y / 120 V	MAIN CIRCUIT BREAKER: 100	MOUNTING: SURFACE	
TVSS: Yes	BREAKER TYPE: 100	PANEL DEVICE MIN. RATING: 22,000 A RMS SYMMETRICAL	
BUSING AMPS: 225A	FED FROM: PP-1		

DESCRIPTION	BRANCH CHARACTERISTICS												DESCRIPTION
	LOAD VA			BKR			CCT			LOAD VA			
	A	B	C	TR	NO	TR	A	B	C	TR	NO	TR	
LAB PAC UNIT PAC-1	1920			20	1	A	2	20					SPARE
				20	3	B	4	20					SPARE
	494			20	7	A	8	20					SPARE
LAB EXHAUST FAN EF-1		494		20	9	B	10	20					SPARE
				20	11	C	12	20					SPARE
REFRIGERATOR	1440			20	13	A	14	20					SPARE
FREEZER		1440		20	15	B	16	20					SPARE
(1) RECEPTACLES RM A111				20	17	C	18	20					SPARE
(2) RECEPTACLES RM A111	360			20	19	A	20	20					SPARE
(1) RECEPTACLES RM A111		180		20	21	B	22	20					SPARE
PLUGSTRIP WEST WALL RM A111				20	23	C	24	20					SPARE
	1080			20	25	A	26	20					
PLUGSTRIP NORTH WALL RM A111				20	27	B	28	20					
		1080		20	29	C	30	20					
PLUGSTRIP EAST WALL RM A111				20	31	A	32	20					
	540			20	33	B	34	20					
				20	35	C	36	20					
				20	37	A	38	20					
				20	39	B	40	20					
				20	41	C	42	20					
	5834	5114	5294						0	0	0		
TOTAL CONNECTED VA													
PHASE A= 5834													
PHASE B= 5114													
PHASE C= 5294													
SUBTOTAL = 16242													
SECTION 1													
SECTION 2													
TOTAL = 16242													
LESS MOTOR STARTING													

LUMINAIRE SCHEDULE					
SYMBOL	LABEL	CATALOG #	DESCRIPTION	LAMP	MANUFACTURER
□	A	2AV G 1 32 MDR	AVANTE 2x4 RECESSED FLUORESCENT FIXTURE, SIDE MOUNTED DIFFUSERS W/ ROUND HOLES	ONE 32-WATT T8 LINEAR FLUORESCENT LAMP	LITHONIA
□	B	2AV G 1 32 MDR	AVANTE 2x4 RECESSED FLUORESCENT FIXTURE, SIDE MOUNTED DIFFUSERS W/ ROUND HOLES AND EMERGENCY BATTERY PACK	ONE 32-WATT T8 LINEAR FLUORESCENT LAMP	LITHONIA
□	C	2AV G 2 32 MDR	AVANTE 2x4 RECESSED FLUORESCENT FIXTURE, SIDE MOUNTED DIFFUSERS W/ ROUND HOLES	TWO 32-WATT T8 LINEAR FLUORESCENT LAMPS	LITHONIA
□	D	2AV G 2 32 MDR	AVANTE 2x4 RECESSED FLUORESCENT FIXTURE, SIDE MOUNTED DIFFUSERS W/ ROUND HOLES AND EMERGENCY BATTERY PACK	TWO 32-WATT T8 LINEAR FLUORESCENT LAMPS	LITHONIA
□	E	2GTS 2 32 A12	GENERAL PURPOSE 2x4 RECESSED FLUORESCENT FIXTURE W/ #A12 LENS	TWO 32-WATT T8 LINEAR FLUORESCENT LAMPS	LITHONIA
□	F	2GTS 2 32 A12	GENERAL PURPOSE 2x4 RECESSED FLUORESCENT FIXTURE W/ #A12 LENS & EMERGENCY BATTERY PACK	TWO 32-WATT T8 LINEAR FLUORESCENT LAMPS	LITHONIA
□	G	WP1 32 MDR	COMMERCIAL WALL BRACKET 7 3/8\" x 4\" FIXTURE MOUNTED UNDER CABINET	ONE 32-WATT T8 LINEAR FLUORESCENT LAMP	LITHONIA
□	H	10640RE 2 32	LITERPUFF - SURFACE MOUNTED ON CEILING 1\" x 4\" LONG	TWO 32-WATT T8 LINEAR FLUORESCENT LAMPS	LITHONIA
□	J	WP 2 17 A12	COMMERCIAL WALL BRACKET 7 1/2\" x 4\" TROFFER W/ #A12 LENS	TWO 17-WATT T8 - 24\" LONG LINEAR FLUORESCENT LAMPS	LITHONIA
□	K	L 1 32 MDR	PENDANT MOUNTED AT 8\" AFF STANDARD INDUSTRIAL FIXTURE 1x4	ONE 32-WATT T8 LINEAR FLUORESCENT LAMP	LITHONIA
□	L	# 40220	MOTION ACTIVATED SOLAR POWERED, SECURITY FLOODLIGHT, FIXTURE MOUNTED ON WALL AT 8\" AFF. MOUNT REMOTE SOLAR PANEL, ABOVE FIXTURE.	1-BA J08V-30W/6430 30 WATT, 6V LAMP	MAXSA INNOVATIONS
□	N	2GTS 2 32 A12	GENERAL PURPOSE RECESSED 2x4 FIXTURE WITH #A12 LENS	TWO 32-WATT T8 LINEAR FLUORESCENT LAMPS	LITHONIA
□	P	2GTS 2 32 A12	GENERAL PURPOSE RECESSED 2x4 FIXTURE AND EMERGENCY BATTERY PACK	TWO 32-WATT T8 LINEAR FLUORESCENT LAMPS	LITHONIA
⊗	X	LQM LED S W 1 G	QUANTUM EXIT LIGHT W/ 12\" STEM FOR CEILING MOUNTING AND SINGLE SIDED GREEN FACE	ONE DC INPUT KIT ELA ELA LEDCS CONSISTING OF 2 LED LAMPS (6V 12W)	LITHONIA QUANTUM

KEYED NOTES

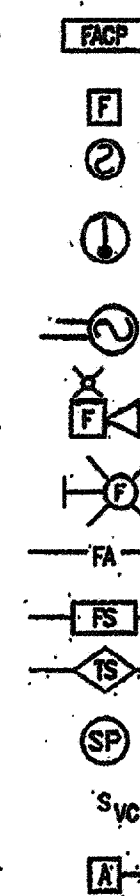
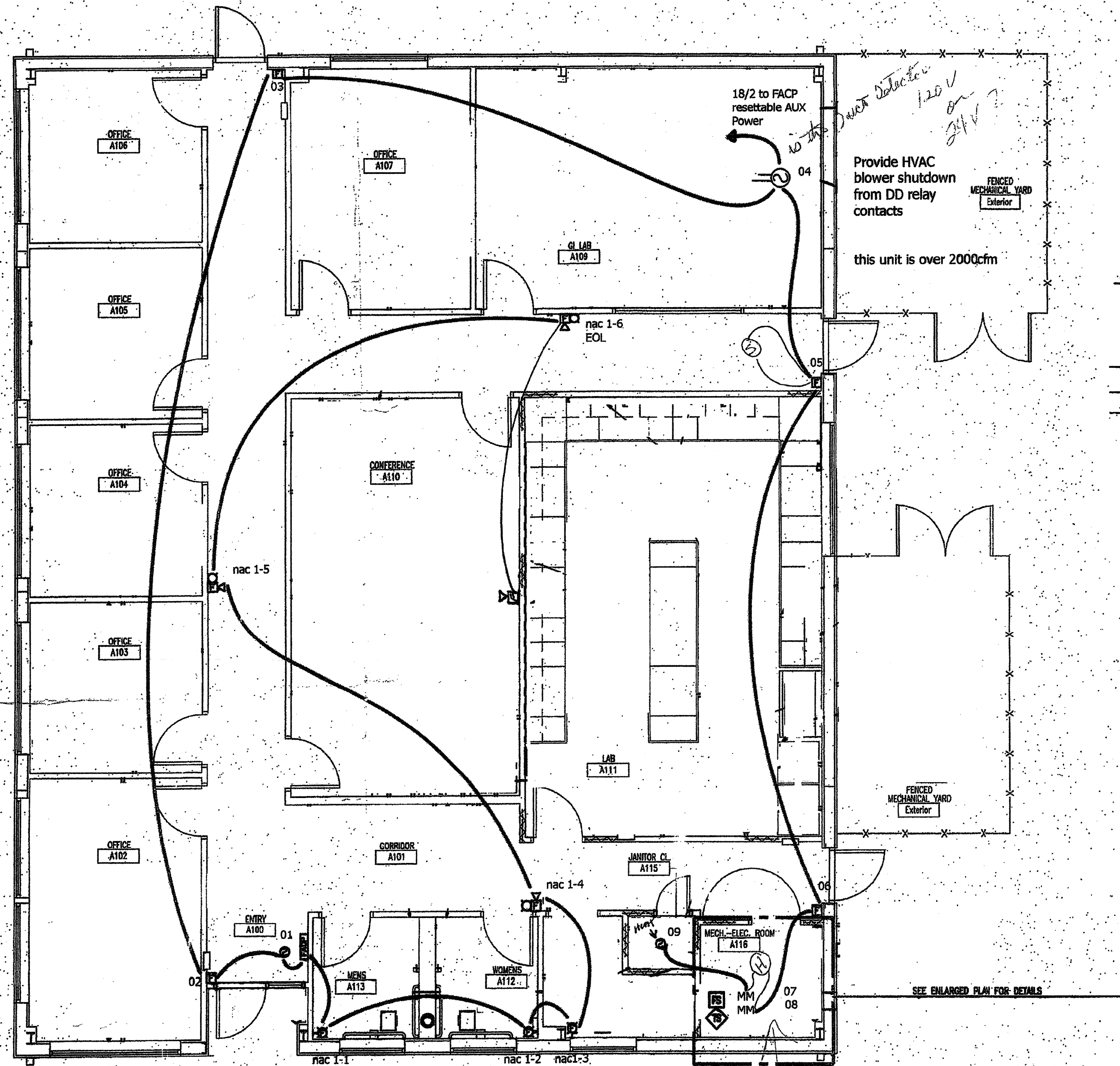
- EXISTING PNM EQUIPMENT, FIELD VERIFY TRANSFORMER HAS SUFFICIENT CAPACITY FOR NEW SERVICE.
- 40-#4/0 CU, 1-#4 CU EGC IN 2 1/2\" C.
- 200 AMP DISCONNECT IN NEMA 3R ENCLOSURE WITH 200 AMP CLASS R FUSES.
- METER PER PNM REQUIREMENTS.
- 40-#2 CU, 1-#8 CU EGC IN 2\" C.
- SERVICE ENTRANCE QUALIFIED PANEL.

DMJM DESIGN | AECOM

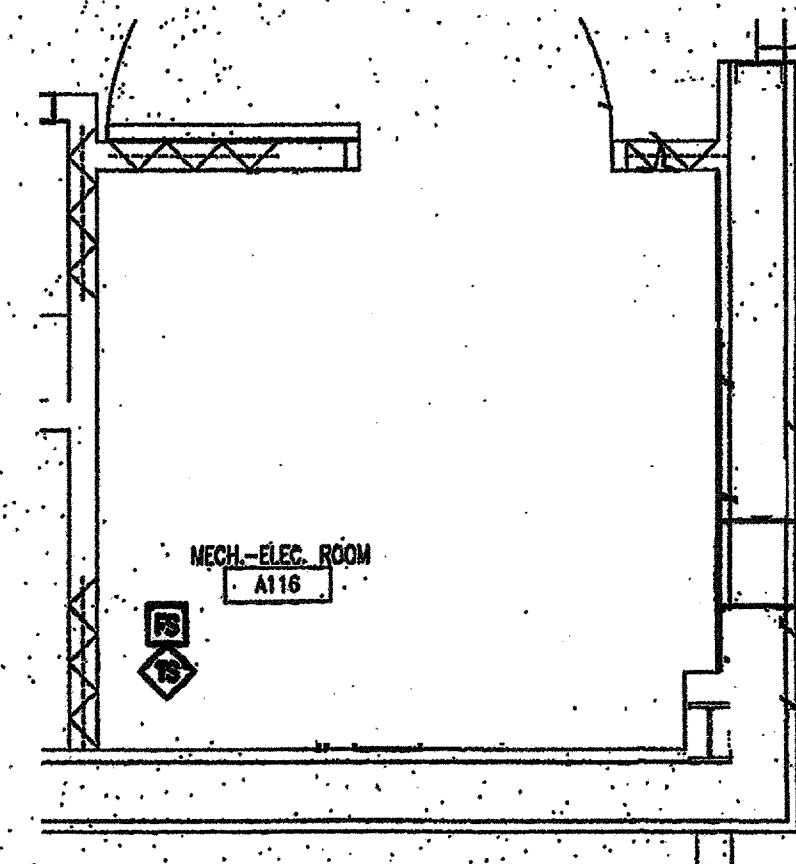
201 THIRD ST. ALBUQUERQUE NEW MEXICO 87102
T: 505-889-4100 F: 505-884-7231 www.dmjmdesign.com

E5.00

CITY OF ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH			
TITLE: MONTESSA PARK LAB FACILITY SCHEDULES AND DETAILS			
Design Review Committee		City Engineer Approval	
City Project No. 7940.02		Zone Map No. P-17-Z	
Drawn By: J.D.		Checked By: D.J.	
Date: DECEMBER 2008		Date: DECEMBER 2008	
Sheet 31		Of 31	



- FIRE ALARM CONTROL PANEL.
- FIRE ALARM SYSTEM MANUAL PULLSTATION, TOP AT 48".
- FIRE ALARM SYSTEM CEILING SMOKE DETECTOR.
- FIRE ALARM SYSTEM CEILING HEAT DETECTOR.
- FIRE ALARM SYSTEM DUCT DETECTOR.
- FIRE ALARM SYSTEM HORN/SSTROBE ASSEMBLY AT 7'-6" A.F.F. TO WALL.
- FIRE ALARM SYSTEM STROBE AT 7'-6" A.F.F. TO WALL.
- FIRE ALARM SYSTEM RECESS TRAY CONCEALED IN WALL, CEILING OR FLOOR.
- DIVISION 16 SPRINKLER SYSTEM FLOW SWITCH.
- DIVISION 16 SPRINKLER SYSTEM TAMPER SWITCH.
- SPEAKER AND BACKBOX WITH 12" DIAMETER GRILLE.
- VOLUME CONTROL.
- FIRE ALARM ANNUNCIATOR.



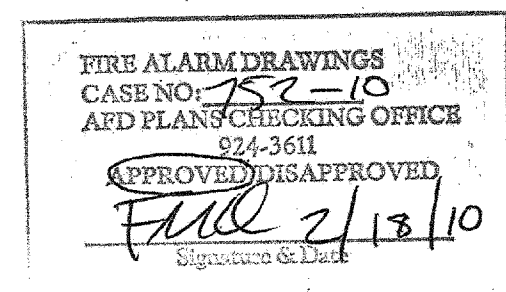
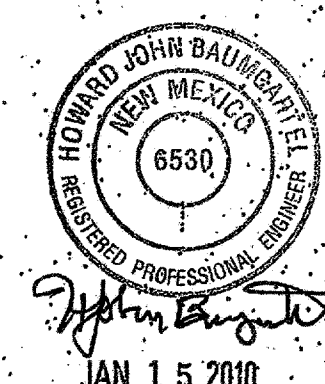
1 RECEPTACLE AND COMMUNICATIONS PLAN

E1.01 REF. SCALE: 1/4" = 1'-0"

2 MECH-ELEC ROOM ENLARGED PLAN

E1.01 REF. SCALE: 1/2" = 1'-0"

HEAT Detectors?
Smoke?
Smoke Detector?
Are Heat Detectors
Needed in Lab
Areas



DESIGN BY: DAVID NIX, SET
NICET NO. 105482
EXPIRATION DATE: JUNE 1, 2011

CONTRACTOR:
VISION ELECTRIC, LLC
6605 CUEVA ESCONDIDA, NW
ALBUQUERQUE, NM 87120
(505) 836.0284
N.M. LIC. #359442

CITY OF ALBUQUERQUE
DEPARTMENT OF ENVIRONMENTAL HEALTH

TITLE: MONTESSA PARK LAB FACILITY
3400 Los Picaros Road SE, Albuquerque NM 87106

3027 Square Feet

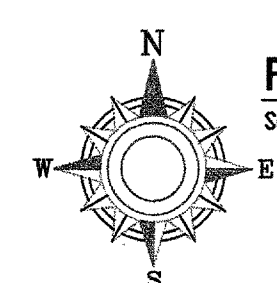
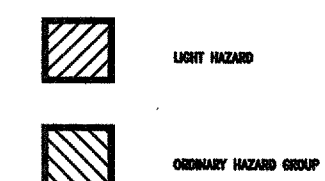
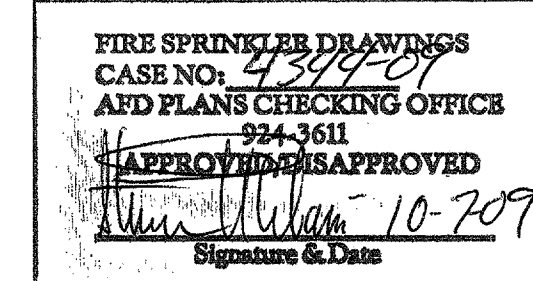
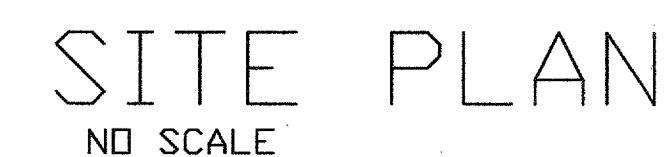
Building Permit Number 200891648

City Project No. 7846.02	Zone Map No. P-17-2	FP-1
-----------------------------	------------------------	------

MONTESSA LAB

100% done
22 June
25 Sep 2010

26
#35



FIRE PROTECTION FLOOR PLAN

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

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#
◎	34	PEND	WHITE	155	5.60	1/2"	TY3631	TYCO	TY-FRB

QUICK RESPONSE, RECESSED HEADS TOTAL 34

REMOTE AREA 2	
.15 DENSITY OVER 945 S.F. 6 QR HEADS ENTIRE LAB ROOM	
PRESSURES	
REQ. at BASE OF RISER	24.9psi
AVAILABLE PRESSURE	34.5psi
SAFETY PRESSURE	9.8 psi
GPM @ BOR	115 gpm
OUTSIDE HOSE STREAM	250 gpm

FIRE PROTECTION FLOOR PLAN		Montessa Park Lab Facility		KAUFMAN FIRE PROTECTION SYSTEMS, INC. Since 1975		3301 Girard Blvd NE		REVISIONS		This drawing was prepared by	
PERMIT NO.	200891648	CONTRACT NO.	09282	AFNO		Albuquerque, NM	87107	DATE	DESCRIPTION	BY	G. KNOWLES
APPROVAL		APPROVAL		APPROVAL		NM Lic#	16845				NCIC CERTIFIED 076729
APPROVED BY		APPROVED BY		APPROVED BY							LEVEL IV.
SALE		SALE		SALE							
DATE	09/25/09	DATE		DATE							
NOTED		NOTED		NOTED							
CONTRACTOR	B-Z Enterprises	CONTRACTOR	B-Z Enterprises	CONTRACTOR							
Ph:	505-884-2447	Ph:	505-884-2447	Ph:							
Fax:	505-884-2616	Fax:	505-884-2616	Fax:							
FP 1 of 2		FP 1 of 2		FP 1 of 2							

