NEW SHADE STRUCTURE AND PLAY AREA

LAKESIDE SCHOOL

14535 OLD RIVER RD, BAKERSFIELD, CA 93311

FOR:

LAKESIDE UNION SCHOOL DISTRICT

14535 OLD RIVER RD, BAKERSFIELD, CA 93311 SHEETS IN SET 12 PROJECT INFORMATION PROJECT DIRECTORY **GENERAL NOTES** FIRE PROTECTION **CODE REQUIREMENTS** SHEET INDEX MANUEL MALDONADO JR., AIA THE DRAWINGS, IDEAS AND DESIGNS REPRESENTED HEREIN ARE THE PROPERTY OF THE **ARCHITECT** GENERAL INFORMATION PROVIDE ONE 4A 10 B C. RATED EXTINGUISHER FOR FACH 6 000 SQUARE FEET OR PORTION JOSEPH E. ZASOSKI, AIA ALL DRAWINGS AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES: THEREOF ON EACH FLOOR - TRAVEL DISTANCE SHALL NOT EXCEED 75 FEET. ARCHITECT C-36742 Ordiz Melby Architects, Inc. Lakeside Union School District TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS G-001 GENERAL INFORMATION 5500 Ming Avenue, Suite 280 14535 Old River Rd. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY AN OVERALL DESCRIPTION **CONSTRUCTION TYPE:** FIRE DAMPER ASSEMBLIES, INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE Bakersfield, CA 93311 Bakersfield, CA 93309 OF THE PROJECT IN SUFFICIENT DETAIL FOR ITS COMPLETE CONSTRUCTION. SOME 2022 TITLE 24 CCR, PART 1 - 2022 CALIFORNIA ADMINISTRATIVE CODE **NEW SHADE** APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION. Phone: (661) 836-6658 Phone: (661) 832-5258 CIVIL DRAWINGS CONDITIONS. WHICH ARE COMMONLY ENCOUNTERED IN CONSTRUCTION OF THIS TYPE AND/ Fax: (661) 836-8059 Fax: (661) 832-4219 OR CONDITIONS WHICH RELATE TO SPECIFIC PRODUCTS OR PROCESSES, MAY NOT BE 2022 TITLE 24 CCR, PART 2 - 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2 STRUCTURE AND **OCCUPANCY TYPE:** JOSEPH E. ZASOSKI SPECIFICALLY DETAILED IN THESE PLANS. ALL CONDITIONS NOT SPECIFICALLY DETAILED (CBC) (2021 IBC, AS AMENDED BY CA) C-1 COVER SHEET/ GENERAL NOTES SHALL BE CONSTRUCTED COMPLETELY PER THE CURRENT STANDARDS OF THE **PLAY AREA** C-2 GRADING AND DRAINAGE PLAN APPROPRIATE INDUSTRY AND ANY APPLICABLE MANUFACTURER'S RECOMMENDATIONS. 2022 TITLE 24 CCR, PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC) (2020 NEC (NFPA), AS AMENDED BY CA) **BUILDING HEIGHT:** ARCHITECTURAL DRAWINGS NOTHING IN THE PLANS AND SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT Afinar Consulting Civil Engineers CONSTRUCTION IN CONFLICT WITH THE REQUIREMENTS OF ANY CODE, LAW ORDINANCE OR 2022 TITLE 24 CCR, PART 4 - 2022 CALIFORNIA MECHANICAL CODE 214 Bernard St. LAKESIDE SCHOOL (CMC) (2021 IAPMO UMC, AS AMENDED BY CA) Bakersfield, CA 93305 A-112 SITE PLAN: ACCESSIBILITY STORIES: Phone: (661) 716-7443 "TYPICAL" MEANS IDENTICAL FOR ALL SAME CONDITIONS UNLESS OTHERWISE NOTED. A-113 SITE PLAN: DEMOLITION 2022 TITLE 24 CCR, PART 5 - 2022 CALIFORNIA PLUMBING CODE 14535 OLD RIVER RD Fax: (661) 716-7443 "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. VERIFY (CPC) (2021 IAPMO UPC, AS AMENDED BY CA) Bernard Salgado A-114 SITE PLAN: ENLARGED DIMENSIONS AND ORIENTATION ON PLAN WITH THE ARCHITECT BAKERSFIELD, CA 93311 2022 TITLE 24 CCR, PART 6 - 2022 CALIFORNIA ENERGY CODE A-501 DETAILS **ALLOWABLE AREA:** 5. ALL PARTITIONS ARE DIMENSIONED TO CENTERLINE UNLESS OTHERWISE NOTED 2022 TITLE 24 CCR, PART 9 - 2022 CALIFORNIA FIRE CODE USA SHADE, FABRIC SHADE STRUCTURE DSA P.C.04-121917 ALLOWABLE AREA = 6,000 SF DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF THE ARCHITECT, UNLESS (CFC) (2021 IFC, AS AMENDED BY CA) 30x60 SHADE STRUCTURE = 1,800 SF OTHERWISE NOTED (+). FOTAL AREA = 1,800 SF < 6,000 SF = OK T-1.0 TITLE SHEET 2022 TITLE 24 CCR, PART 10 - 2022 CALIFORNIA EXISTING BUILDING CODE **DESIGN CRITERIA** LAKESIDE UNION DO NOT SCALE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL (IEBC) (2021 INTERNATIONAL EXISTING BUILDING CODE, AS AMENDED BY CA) T-2.0 UNIT SELECTION FIRE SPRINKLERS: T-3.0 T&I FORMS 2022 TITLE 24 CCR, PART 11 - 2022 GREEN BUILDING STANDARDS CODE B. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF EXISTING SLAB UNLESS NOTED OTHERWISE (CALGREEN CODE) 19.1-1000 PRODUCT INFORMATION "AFF". ABOVE FINISH FLOOR. **PARKING:** 14535 OLD RIVER RD. 2022 TITLE 24 CCR, PART 12 - 2022 CALIFORNIA REFERENCED STANDARDS 19-2-2000 SPECIFICATIONS FIRM# 06029 C2725E EFF. 9/26/2008 ALL WORK SHALL BE SCHDULED AND PERFORMED SO AS NOT TO DISTURB OR CAUSE BAKERSFIELD, CA 93311 FEMA FLOOD ZONE DESIGNATION: ZONE X DAMAGE TO ADJACENT PROPERTIES. 2010 ADA STANDARDS FOR ACESSIBLE DESIGN 10. ALL REVISIONS TO THE APPROVED PLANS MUST BE APPROVED BY THE DIVISION OF STATE PARTIAL LIST OF APPLICABLE STANDARDS S1 - 0.401 - MCEr GROUND MOTION (PERIOD=0.1S) 2022 NEPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED) 11 THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING CONTRACT Sms - 1.316 - SITE MODIFIED SPECTRAL ACCELERATION VALUE 2019 NFPA 14. STANDPIPE & HOSE (CA AMENDED Sm1 - N/A - SITE MODIFIED SPECTRAL ACCELERATION VALUE DOCUMENTS. FIELD CONDITIONS AND DIMENSIONSFOR ACCURACY AND CONFIRMING THAT 2019 NFPA 20, PUMPS FOR FIRE PROTECTION Sds - 0.877 - NUMERIC SEISMIC DESIGN VALUE AT 0.2s SA WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE 2019 NFPA 24, FIRE SERVICE MAINS (CA AMENDED) Sd1 - 1.N/A - NUMERIC SEISMIC DESIGN VALUE AT 1.0s SA ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION QUESTIONS, THE GENERAL 2022 NFPA 72, FIRE ALARM CODE (CA AMENDED) RISK CATEGORY: II CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE SITE CLASS: D - DEFAULT ARCHITECT BEFORE PROCCEEDING WITH WORK OR RELATED WORK IN QUESTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT CONSTRUCTION IN CONFLICT WIND SPEED - 94 MPH WITH THE REQUIREMENTS OF ANY CODE, LAW, ORDINANCE, OR REGULATION, THE THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE THE LAYOUT AND WIND EXPOSURE: CLASS C FOLLOWING AGENCIES SHALL HAVE JURISDICTION OVER THE PROGRESS OF THE WORK: SOIL PRESUMPTIVE LOAD-BEARING: CLASS 5 (1,500 PSF) EXACT LOCATION OF ALL PARTITIONS, DOORS, PLUMBING, MECHANICAL, ELECTRICAL AND FIRE PROTECTION EQUIPMENT IN THE FIELD BEFORE PROCEEDING WITH CONSTRUCTION. **DIVISION OF THE STATE ARCHITECT** 13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE PROJECT AND SHALL BE RESPONSIBLE FOR DISIPLINE OF ALL WORKERS ON THE PROJECT. **REGULATORY SERVICES: COUNTY OF KERN:** STRUCTURAL SAFETY SECTION FIRE DEPARTMENT 14. ALL DECORATIVE MATERIALS AND TRIM SHALL COMPLY WITH CALIFORNIA BUILDING CODE, FIRE & LIFE SAFETY SECTION PUBLIC WORKS DEPARTMENT ACCESS COMPLIANCE SECTION 15. JOINTS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER STRIPPED OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION PER CEC 110.7 16. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS 17. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR. 18. A "DSA CERTIFIED" PROJECT INSPECTOR (MIN. CLASS 2) EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. **EXIT REQUIREMENTS BUILDING LEGEND SCOPE OF WORK** 19. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND **ARCHITECT'S STATEMENT** ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH LOCAL ORDINANCES. 20. ALL MATERIALS AND WORK SHOWN SHALL BE CONSIDERED A PART OF THE SCOPE OF WORK **BUILDING TYPE** CERTIFICATION ALL EXITS SHALL BE OPENABLE DURING BUSINESS HOURS FROM INSIDE WITHOUT THE USE CONSTRUCTION OF NEW PC SHADE STRUCURE (PC#04-121917). FOR THIS PROJECT UNLESS INDICATED AS EXISTING (E). STATEMENT OF GENERAL CONFORMANCE OF A KEY OR ANY SPECIAL KNOWLEDGE. NO DEAD OR SLIDING BOLTS. NO LATCH OR LATCHING DEVICE EXCEPT PANIC HARDWARE PERMITTED. DEMOLITION AND RENOVATION OF PLAY YARD NORTH OF BUILDING 200 AND ASSOCIATED 21. WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER **BUILDING '100'** CLASSROOMS 20552 PRE-TRACKER INFORMATION NOT AVAILAB FOR ARCHITECTS / ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP SITE WORK. CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS 2. EXIT SIGNS MUST BE INTERNALLY ILLUMINATED. COMPRISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL THE DRAWING PAGE OF SPECIFICATIONS/CALCULATIONS, AND THE ATTACHED LIST OF SERVICES, STATE OF CALIFORNIA. IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER **BUILDING '200'** CLASSROOMS 4481 PRE-TRACKER INFORMATION NOT AVAILABL PROVIDE TWO SEPARATE CIRCUITS FOR EXIT SIGNS. SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR). DATE "SCOPE OF WORK" STATEMENT IS IN NO WAY TO BE USED FOR CONTRACTOR BIDDING HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OF CONSULTANTS WHO ARE LICENSED 4. PROVIDE TWO SEPARATE SOURCES OF POWER FOR EXIT SIGNS. PURPOSE. SCOPE OF WORK STATEMENT PROVIDES CONTRACTOR WITH GENERAL 22. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION. CLASSROOMS & AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME **BUILDING '300'** 3751 PRE-TRACKER INFORMATION NOT AVAILABL DESCRIPTION OF WORK. ADMINISTRATION 23. ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS . DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S PRE-TRACKER INFORMATION NOT AVAILABL CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND **BUILDING '400' AUDITORIUM** 03-102692 COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT 24. THE PROJECT INSPECTION (PI) SHALL WITNESS AND VERIFY GROUNDING. PRE-TRACKER INFORMATION NOT AVAILABL **BUILDING '500'** LIBRARY/ POOL THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY 03-102692 25. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF CBC & CFC DURING RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CONSTRUCTION CODE AND SECTIONS 4-336, 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 [b]) PRE-TRACKER INFORMATION NOT AVAILABL **BUILDING '600'** GYMNASIUM 03-102692 THE DRAWINGS OR SHEETS LISTED ON THE SHEET INDEX SHEET 26. IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF THE CBC REFER TO SHEET INDEX FOR A LIST OF "DRAWINGS PREPARED BY OTHERS" INCLUDING ALL DRAWINGS ASSROOM/ NURSE/ RE-TRACKER INFORMATION NOT AVAILABLE ENFORCED AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE AND / OR CALCULATIONS PREPARED BY: WOOD SHOP CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CONSTRUCTION USA SHADE, FABRIC SHADE STRUCTURE CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND KINDERGARTEN SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY 12959 PRE-TRACKER INFORMATION NOT AVAILABL CLASSROOMS A#:03-124935 DSA BEFORE PROCEEDING WITH THE REPAIR WORK. (SECTION 4-317 (C), PART 1, TITLE 24, **VICINITY MAP** THE STATEMENT NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS. DUTIES, AND RESPONSIBILITIES UNDER SECTION 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 PART 1. (TITLE 24, PART 1, SECTION 4-317(b)) STORAGE 5514 PRE-TRACKER INFORMATION NOT AVAILABL 2386 Shade & Play Structure @ Lakeside JRH 27 A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNERS) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECIONS FOR THE PROJECT. I CERTIFY THAT THE ATTATCHED LIST OF DRAWINGS: DRAWN BY: PORTABLE (A-E) CLASSROOMS 03-107036 CERT#1 IS IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND ADDITIONAL TESTING AND INSPECTION NOTES: M HAS BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS. CHECKED BY THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE EMPLOYED BY THE SCHOOL PORTABLE (G-K) CLASSROOMS 03-123475 DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD. · Kinsh (E) NON-DISTRICT SHAFTER RD A "DSA CERTIFIED" PROJET INPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED CLASSROOMS 55258 PRE-TRACKER INFORMATION NOT AVAILABL PORTABLES SHEET ARE THE PROPERTY OF THE ARCHITECT BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE ARCHITECTS OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE INSPECTOR ARE DEFINED IN SECITON 4-342, PART, TITLE 24, CCR. COPYRIGHT 2025 ORDIZ-MELBY ARCHITECTS SHADE STRUCTURE | SHADE STRUCTURE | 03-102692 3. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2. 4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHEET TITLE SHALL CONDUCT ALL THE REQUIRED TEST AND INSPECTIONS FOR THE PROJECT NOTE: THIS PROJECT 03-124935, SHOULD NOT BE CERTIFIED UNTIL 03-123475, IS CERTIFIED. THE COST OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORN BY THE **GENERAL INFORMATION** COPIES OF THE VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR. THE IN-PLANT INSPECTOR SHALL BE A WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING. 8. PER 2022 CBC. SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET: 8.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITIY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL **BEAR MOUNTAIN BLVD HYW 223** ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET. IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, IT'S LOAD, TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCING AGENCY. LAKESIDE SCHOOL 14535 OLD RIVER RD. BAKERSFIELD, CA 93311 SHEETS IN SET 12

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-124935 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

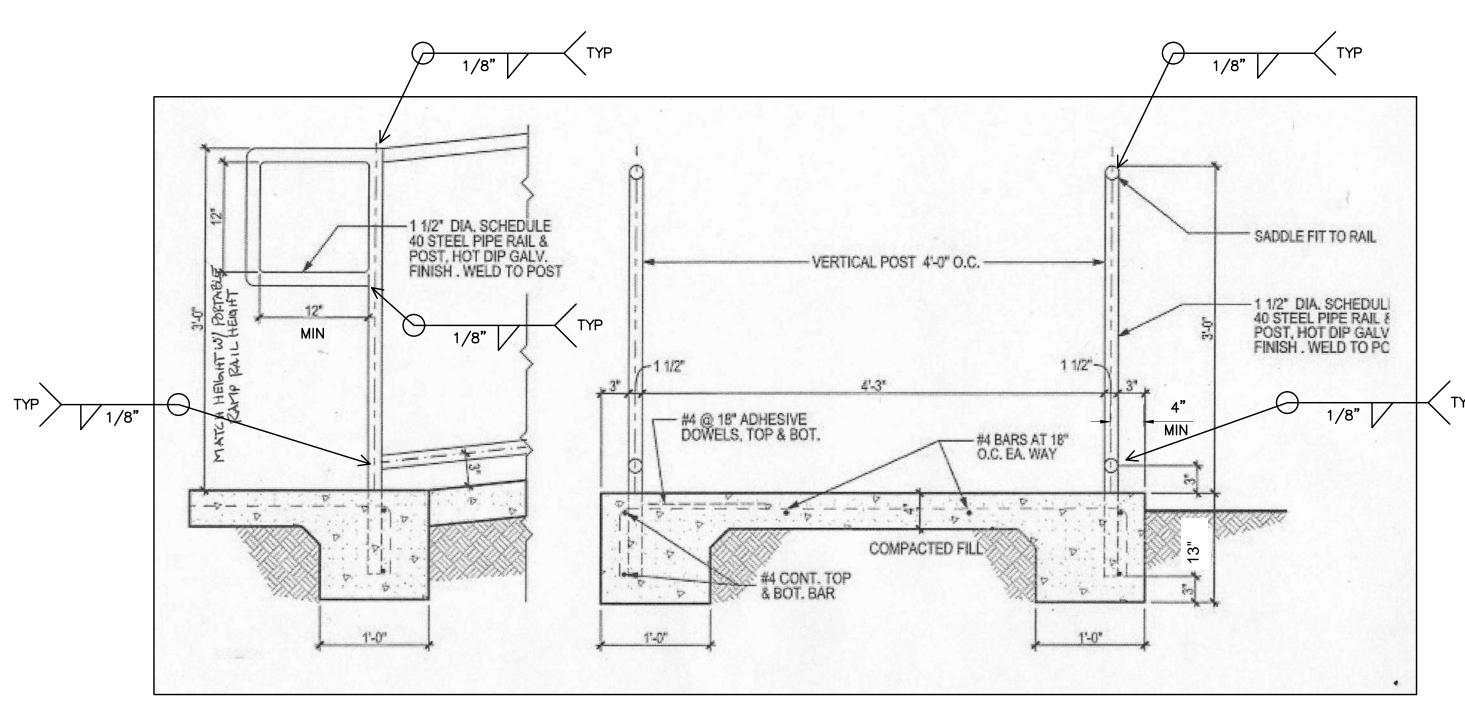




DESCRIPTION

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT THE DRAWINGS. IDEAS. AND DESIGNS REPRESENTED ON THIS

SHEET IDENTIFICATION NUMBER



1-1/2" O.D HAND RAIL POST. 48" ON CENTER MAX. SEE ARCH PLANS FOR SPACING REMOVE PLASTIC EZ-SLEEVE AFTER CURE V=4LFx50LB/FT= 2001b AND RAIL DETAILS SET POST AND GROUT. SLOPE GROUT AWAY CALCULATE MOMENT AT BASE FROM POST FOR 24" LONG #3 BAR BOTH SIDES, DRAINAGE 2" CLR FROM CONC EDGE. 1/2" CLR FROM EZ-SLEEVE EZ-SLEEVE REMOVABLE PLASTIC POST HOLE FORM 24" LONG #3 BAR BOTH SIDES, 2" #4 REBAR CO 8" CLR FROM EDGE, 1/2" CLR 1/2" CLR FROM EZ-SLEEVE SECTION #4 REBAR CONT. EZ-SLEEVE REMOVABLE PLASTIC POST HOLE FORM #3 REBAR 2 PER

HAND RAIL POST EMBEDMENT CALCULATION

CALCULATE SHEAR AT BASE

 $M = (4LF \times 50LB / FT) \times 34$ " TALL = 6.8K-In

CALCULATE RESISTING PRESSURE AT TOP OR BOTTOM OF POST 6" DEEP P=M/(0.67x6")= 1691 lb

CALCULATE COMPRESSION FORCE IN CONCRETE

Qconc = (P+V) / (1.5"X3") = 420 psi

BREAKOUT STRENGTH IN SHEAR

Vb=4580lb > 200lb OK

CONCLUSION

-PROVIDE MAX DIAMETER POST OF 1-1/2"

-MINIMUM POST EMBEDMENT 10" IN EZ-SLEEVE

-MINIMUM 4" EDGE DISTANCE FROM CENTER OF POST

-PROVIDE 24" LONG #3 REBAR AT TOP AND BOTTOM

-GROUT POST WITH KWIXSET-EXTERIOR EXPANSION ANCHOR CEMENT OR EQUAI

HANDRAIL EMBEDMENT DETAIL

2"CLR

HANDRAIL DETAIL

"ONSITE DETAILS"

"ONSITE DETAILS"

SCALE: 1"=1

SCALE: NTS

GENERAL GRADING NOTES

GRADING SHALL CONFORM TO STANDARDS, SPECIFICATIONS, AND REQUIREMENTS OF THE LATEST EDITION OF THE BUILDING CODE AS ADOPTED BY THE LOCAL GOVERNING AGENCY

THE CONTRACTOR SHALL REMOVE AND OR RELOCATE ALL OBSTRUCTIONS WITHIN THE IMPROVEMENT AREA AS DIRECTED IN THESE PLANS.

ALL EXISTING IMPROVEMENTS THAT ARE REMOVED, DAMAGED, OR UNDERCUT SHALL BE REPAIRED OR REPLACED AS DIRECTED BY AFFECTED AGENCY.

- 4. ALL CUT SLOPES SHALL BE NO STEEPER THAN (2) TWO HORIZONTAL TO (1) ONE VERTICAL.
- 5. ALL FILL SLOPES SHALL BE NO STEEPER THAN (2) TWO HORIZONTAL TO (1) ONE VERTICAL.

ALL VEGETABLE MATTER SHALL BE REMOVED FROM THE SURFACE UPON WHICH THE FILL IS TO BE PLACED, AND THE SURFACE SHALL BE PLOWED SCARIFIED TO A DEPTH OF AT LEAST TWELVE INCHES (12"), AND UNTIL THE SURFACE IS FREE FROM RUTS. HUMMOCKS OR OTHER UNEVEN FEATURES WHICH WOULD TEND TO PREVENT UNIFORM COMPACTION BY THE EQUIPMENT TO BE USED.

7. FILL MATERIALS: MATERIALS FOR FILL SHALL CONSIST OF MATERIAL SELECTED BY THE SOILS ENGINEER FROM SOURCES IDENTIFIED IN LABORATORY REPORTS. THE MATERIAL USED SHALL BE FREE FROM VEGETABLE MATTER AND OTHER DELETERIOUS SUBSTANCES AND SHALL NOT CONTAIN ROCKS OR LUMPS HAVING A DIAMETER OF OR MORE THAN SIX INCHES (6").

AMOUNT OF COMPACTION: AFTER EACH LAYER (LIFT) HAS BEEN PLACED, MIXED AND SPREAD EVENLY, IT SHALL E THOROUGHLY COMPACTED TO THE SPECIFIED DENSITY. THE SPECIFIED DENSITY WILL BE STATED AS A PERCENTAGE OF THE MAXIMUM DENSITY ATTAINABLE USING CURRENT ASTM DENSITY TEST NO. D 1557 OR ASTM D6938. THE SPECIFIED DENSITY TYPICALLY WILL BE NINETY PERCENT (90%) UNLESS STATED OTHERWISE. OF THE MAXIMUM FOR MOST COHESIVE. NON-EXPANSIVE SOILS, HOWEVER IT WILL BE ESTABLISHED AS APPROPRIATE FOR THE MATERIALS AND ENVIRONMENT DEFINED. FILL COMPACTION SHALL CONFORM TO U.B.C. STANDARDS AND LOCAL GRADING STANDARDS.

DEPTH AND MIXING OF FILL LAYERS: THE SELECTED FILL MATERIAL SHALL BE PLACED IN LEVEL, UNIFORM LAYERS WHICH, WHEN COMPACTED, SHALL HAVE A DENSITY CONFORMING TO THAT STIPULATED IN THESE PLANS OR THE SOILS REPORT. EACH LAYER SHALL BE THOROUGHLY BLADE MIXED DURING THE SPREADING TO INSURE UNIFORMITY OF MATERIALS IN EACH LAYER. COMPACTED LAYER THICKNESS NORMALLY WILL BE SIX (6"), HOWEVER, IT MAY BE SPECIFIED OTHERWISE IF COMPACTION EQUIPMENT OF DEMONSTRATED CAPABILITY WILL BE USED.

COMPACTING AREA TO BE FILLED: AFTER THE FOUNDATION FOR THE FILL HAS BEEN CLEARED AND PLOWED OR SCARIFIED. IT SHALL BE DISKED OR BLADED UNTIL IT IS UNIFORM AND FREE FROM LARGE CLODS. BROUGHT TO THE PROPER MOISTURE CONTENT, AND COMPACTED (TYPICALLY) TO NOT LESS THAN NINETY (90%) OF MAXIMUM DENSITY IN ACCORDANCE WITH CURRENT ASTM DENSITY TEST NO. D 1557, OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE FOR THE MATERIALS AND CONDITIONS AND ACCEPTABLE TO THE ENGINEER AND OR INSPECTORS.

ROCK: WHEN FILL MATERIAL INCLUDES ROCK, THE MAXIMUM ROCK SIZE ACCEPTABLE SHALL BE SIX INCHES (6"). NO LARGE ROCKS SHALL BE ALLOWED TO NEST AND ALL VOIDS MUST BE CAREFULLY FILLED WITH SMALL STONES OR EARTH, PROPERLY COMPACTED. NO LARGE ROCKS WILL BE PERMITTED WITHIN TWELVE INCHES (12"), OF THE FINISHED

MOISTURE CONTENT: THE FILL MATERIAL SHALL BE COMPACTED AT THE APPROPRIATE MOISTURE CONTENT SPECIFIED FOR THE SOILS BEING USED, AS IDENTIFIED IN LABORATORY AND SOILS REPORT. MOISTURE CONTENT OLERANCES SHOULD BE CLEARLY DEFINED FOR PLACEMENT OF EACH MATERIAL PROPOSED FOR USE IN A FILL. APPROPRIATE MOISTURE CONTENT IS DEFINED TYPICALLY, AS OPTIMUM MOISTURE CONTENT, HOWEVER FOR EXPANSIVE SOILS IT MAY BE GREATER THAN OPTIMUM MOISTURE CONTENT, AND OTHER MOISTURE CONTENTS MAY BE NECESSARY TO PRODUCE THE DESIRED RESULTS WITH SPECIFIC SOILS.

DENSITY TESTS: FIELD DENSITY TEST SHALL BE MADE BY THE SOILS ENGINEER OF THE COMPACTION OF EACH LAYER OF FILL. DENSITY TEST SHALL BE TAKEN IN THE COMPACTED MATERIAL BELOW THE DISTURBED SURFACE. WHEN THESE TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR PORTION THEREOF IS BELOW THE REQUIRED DENSITY, THE PARTICULAR LAYER OF PORTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED. SUFFICIENT DENSITY TESTS SHALL BE MADE TO SUPPORT THE SOILS ENGINEER'S CERTIFICATION OF EACH FILL LAYER.

14. REPRESENTATIVES OF THE SOILS ENGINEER WILL OBSERVE THE WORK IN PROGRESS. MAKE TESTS OF THE SOIL. AND REVIEW THE EXCAVATIONS AND TRENCHES. THE PROJECT CIVIL ENGINEER WILL OBSERVE GRADING OPERATIONS 1 FACILITATE SUBSTANTIAL COMPLIANCE WITH THE PLANS. SPECIFICATIONS AND CODES WITHIN HIS PURVIEW. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND TECHNIQUES, SEQUENCES AND PROCEDURES. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. INTERMITTENT VISITS BY THE SOILS ENGINEER OR THE PROJECT CIVIL ENGINEER DO NOT INCLUDE REVIEW OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

15. GRADING WORK SHALL BE DONE IN A MANNER TO PREVENT STORM DAMAGE TO PUBLIC OR PRIVATE PROPERTY OF OTHERS BY FLOODING, EROSION, DEPOSITION, DEBRIS, OR ANY OTHER DAMAGE RESULTING FROM THE GRADING WORK.

 SURFACE DRAINAGE SHALL HAVE A MINIMUM SLOPE OF TWO PERCENT AWAY FROM ALL STRUCTURES. THE GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT SHALL BE NOTIFIED BY THE

CONTRACTOR OF THE OWNER A MINIMUM OF 48 HOURS PRIOR TO THE TIME THAT GRADING IS TO COMMENCE AND THE CONTRACTOR OR THE OWNER SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR THEIR INSPECTIONS.

THE SOILS ENGINEER SHALL BE NOTIFIED SUFFICIENTLY IN ADVANCE TO PERMIT EXAMINATION OF SUBGRADE AND TESTING OF FILL AND FINAL GRADES. THE SOILS ENGINEER SHALL BE NOTIFIED OF ANY CONDITION THAT MAY EFFECT THE PROJECT.

COMPACTION IN PROPOSED PAVEMENT AREAS SHALL EXTEND TO A MINIMUM DISTANCE OF (2) FEET BEYOND THE OUTSIDE EDGE OF PAVEMENTS.

DURING GRADING, REASONABLE SEARCHING SHOULD BE PERFORMED FOR CANCELED SUBSURFACE OBSTRUCTIONS. ALL ABANDONED SUBSURFACE OBSTRUCTIONS SHOULD BE REMOVED. IF THE TERMINUS OF ANY ABANDONED PIPING IS OUTSIDE THE PROJECT LIMITS, THE PIPING SHOULD BE REMOVED WITHIN THE PROJECT AND PROPERLY CAPPED AT THE PROJECT BOUNDARY.

CONTRACTOR TO COORDINATE WITH INSPECTOR AND DEVELOPER, THE LOCATION OF THE BORROW OR SPOILS PRIOR TO CONSTRUCTION.

22. THE LOCATION OF EXISTING UTILITIES AND UNDERGROUND PIPELINES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES BEFORE COMMENCING WORK, CONTRACTOR ASSUMES ALL LIABILITY FOR ANY AND ALL UNDERGROUND UTILITIES AND PIPELINES.THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF THE REMOVAL OR RELOCATION OF ANY AND ALL EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY. COST OF THIS COORDINATION IS TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS IMPROVEMENTS TO COMPLETE THE PROJECT.

23. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AND THE LOCAL PUBLIC WORKS DEPARTMENT AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION TO MARK THE LOCATIONS OF EXISTING UTILITY LINES. 811

24. SITE GRADING. THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL SLOPE AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5%) FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL. EXCEPTION: WHERE CLIMATIC OR SOIL CONDITIONS WARRANT, THE SLOPE OF THE GROUND AWAY FROM THE BUILDING FOUNDATION SHALL BE PERMITTED TO BE REDUCED TO NOT LESS THAN 1%.

DUST CONTROL

1. PORTABLE WATER WILL BE APPLIED TO DISTURBED SOIL AREAS OF THE PROJECT SITE TO CONTROL DUST AND MAINTAIN OPTIMUM MOISTURE LEVELS FOR COMPACTION. THE WATER WILL BE APPLIED USING WATER TRUCKS. AS SHOWN ON THE PROJECT SCHEDULE, PROJECT SOILS WILL BE DISTURBED AND EXPOSED FROM APPROXIMATELY MAY 1 THROUGH SEPTEMBER 15. WATER APPLICATIONS WILL BE CONCENTRATED DURING THE LATE SUMMER AND EARLY FALL MONTHS.

2. BMP WE-1, WIND EROSION CONTROL, AND BMP NS-1, WATER CONSERVATION PRACTICES, WILL BE IMPLEMENTED TO PROVIDE DUST CONTROL AND PREVENT DISCHARGES FROM DUST CONTROL ACTIVITIES AND WATER SUPPLY EQUIPMENT. WATER APPLICATION RATES WILL BE MINIMIZED AS NECESSARY TO PREVENT RUNOFF AND PONDING AND WATER EQUIPMENT LEAKS WILL BE REPAIRED IMMEDIATELY.

* MOST DUST CONTROL MEASURES REQUIRE FREQUENT. OFTEN DAILY, OR MULTIPLE TIMES PER DAY ATTENTION.

3. DURING WINDY CONDITIONS (FORECAST OR ACTUAL WIND CONDITIONS APPROXIMATELY 25 MPH OR GREATER), DUST CONTROL WILL BE APPLIED TO DISTURBED AREAS, INCLUDING HAUL ROADS, TO ADEQUATELY CONTROL WIND EROSION.

4. BMP WM-3. STOCKPILE MANAGEMENT. USING SILT FECES AND PLASTIC COVERS WILL BE IMPLEMENTED TO PREVENT WIND DISPERSAL OF SEDIMENT FROM STOCKPILES.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING FACILITIES FROM DAMAGE DURING CONSTRUCTION.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER OF PROJECT CIVIL ENGINEER.

2. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL SURVEY MONUMENTS. ANY SURVEY MONUMENTS DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

3. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE COUNTY.

4. AN ENCROACHMENT PERMIT FROM THE COUNTY SHALL BE OBTAINED PRIOR TO THE BEGINNING OF ANY WORK OR CONSTRUCTION WITHIN THE STREET.

ALL EXCAVATIONS SHALL BE BACK FILLED AT THE END OF EACH WORKING DAY AND ROADS OPEN TO VEHICULAR TRAFFIC UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.

6. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTY OWNERS FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUN-OFF AND/OR DISPLACEMENT OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONJUNCTION WITH CONSTRUCTION OF

THE CONTRACTOR SHALL, AT NO COST TO THE COUNTY, PROVIDE ALL NECESSARY SAMPLES AND TESTS THAT THE COUNTY ENGINEER MAY REQUIRE TO ENSURE THAT QUALITY OF MATERIAL AND WORKMANSHIP ARE IN ACCORDANCE WITH THE COUNTY SPECIFICATIONS.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND SHALL MAINTAIN ALL FACILITIES (COMPLETE AND/OR INCOMPLETE) UNTIL ACCEPTED BY THE COUNTY.

THE CONTRACTOR SHALL ADJUST ALL EXISTING VALVE COVERS, MAN HOLES AND AND UTILITY BOXES AS NEEDED TO ACCOMMODATE NEW IMPROVEMENTS.

10. ALL MANHOLE AND MONUMENT ENCASEMENT COVERS SHALL BE SET 1/4" BELOW PAVEMENT GRADE. 11. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING

25. IMPORTANT NOTICE - SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE ANY "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT TOLL FREE AT 811, TWO WORKING DAYS BEFORE

CONCRETE NOTES:

THE PLANS FOR APPROVAL BY THE COUNTY.

THESE IMPROVEMENTS.

YOU DIG.

CONCRETE BASE MATERIALS. CURBS. GUTTERS. WALKS AND PAVEMENT - PER GREEN BOOK CURRENT ADDITION SECTION 200 AND 201

CEMENT MIX - PER TABLE 201-1.1.2(A) 560-C-3250 OR 565-CFW-3250P 532-CFW-3250 OR 537-CFW-3250P

3000 PSI MIN COMPRESSIVE STRENGTH AT 28 DAYS. MIX DESIGN SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL

AGGREGATE BASE - PER TABLE 200-2.2.2 MIN OR BETTER

<u>FILL SAND - PER 200-1.5</u>

SIDEWALKS, CURBS AND GUTTERS TO BE TROWELED AND HAVE A LIGHT BRUSHED FINISH. BRUSH LINES IN GUTTER SHALL BE PARALLEL TO THE DIRECTION OF FLOW.

1/8" WIDE CONTROL JOINTS, 1/3 DEPTH, 3/16" RADIUS TOOLED EDGES. MAX SPACING AT 10' O.C.

4. 1/2" ASPHALT IMPREGNATED EXPANSION JOINT WITH A REMOVABLE CAP. FILL TOP WITH TWO PART POLYURETHANE JOINT SEALANT. MAX SPACING AT 20' O.C.

SAND SHALL BE CLEAN RIVER SAND FREE FROM ORGANICS, DIRT AND/OR DEBRIS.

AGGREGATE BASE SHALL CONFORM TO SECTION 26, CLASS II PER STATE STANDARD

ASPHALTIC CONCRETE AND EARTHWORK SHALL CONFORM TO SECTION 39 AND 19 OF THE STATE STANDARD SPECIFICATION LATEST EDITION.

THE STRUCTURAL SECTION AS SHOWN SHALL HAVE A MINIMUM SUBSOIL R-VALUE OF 50. FOR R VALUES LESS THAN 50, THE STRUCTURAL SECTION SHALL BE DESIGNED IN ACCORDANCE TO LOCAL GOVERNING AGENCY STANDARDS WITH A MINIMUM TRAFFIC INDEX = 4.

<u>RECLAIMED AGGREGATE BASE</u> — THICKNESS OF RECLAIMED AGGREGATE BASE STATE STANDARD SPECIFICATIONS.

REBAR SHALL CONFORM TO ASTM A615 AND BE GRADE 40 FOR REBAR #3 AND GRADE 60 FOR

REBAR #4 AND LARGER. 11. DOWEL INTO EXISTING CONCRETE - 18" #3 REBAR DOWEL SET IN EPOXY WITH 6" EMBEDMENT 18"

O.C. (MATCH SLAB BAR SPACING) USE SIMPSON SET XP EPOXY ADHESIVE (ESR-2508) PER MANUFACTURERS INSTRUCTIONS. IOR TO WITNESS INSTALLATION OF EPOXY DOWELS TYP.

NPDES NOTES

CALIFORNIA WATER CODE - NPDES PERMIT ACTIVITY CALIFORNIA BUILDING STANDARDS CODE

WITH RESPECT TO THE STORMWATER AND NPDES REQUIREMENTS PER THE ABOVE REFERENCED CODES, REGULATIONS AND STANDARDS:

 CONSTRUCTION ACTIVITY WILL NOT RESULT IN THE DISTURBANCE OF ONE ACRE OR MORE OF TOTAL CONSTRUCTION ACTIVITY 'OIL & GAS' WILL NOT RESULT IN THE DISCHARGE TO A WATER OF THE STATE OF STORMWATER CONTAINING CONTAMINANTS AND/OR SEDIMENTS THAT WILL CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS. CONSTRUCTION ACTIVITY WILL COMPLY WITH CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) REQUIREMENTS.

PER 2016 CALGREEN BUILDING STANDARDS CODE 5.106.1, NON-RESIDENTIAL NEWLY CONSTRUCTED PROJECTS WHICH DISTURB LESS THAN ONE ACRE OF LAND SHALL PREVENT THE LOSS OF SOIL OF POLLUTION OF STORM WATER RUNOFF FROM THE CONSTRUCTION ACTIVITIES THROUGH LOCAL ORDINANCE REQUIREMENTS AND/OR BEST MANAGEMENT PRACTICE (BMP). BMP'S THAT SHOULD BE CONSIDERED FOR IMPLEMENTATION AS APPROPRIATE FOR EACH PROJECT INCLUDE,

EROSION AND SEDIMENT CONTROL BMP'S

BUT ARE NOT LIMITED TO THE FOLLOWING:

-SCHEDULING CONSTRUCTION ACTIVITIES

-PRESERVATION OF NATURAL FEATURES, VEGETATION, AND SOIL -DRAINAGE SWALES OR LINED DITCHES T CONTROL STORM WATER FLOW

-MULCHING OR HYDRO SEEDING TO STABILIZE SOIL EROSION CONTROL COVERS TO PROTECT SLOPES -PROTECTION OF STORM DRAIN INLETS (GRAVEL BAGS OR CATCH BASIN INSERTS) -PERIMETER SEDIMENT CONTROL (PERIMETER SILT FENCE, FIBER ROLLS)

-SEDIMENT TRAP OR SEDIMENT BASIN TO RETAIN SEDIMENT ON SITE -STABILIZED CONSTRUCTION EXITS -WIND EROSION CONTROL

HOUSEKEEPING BMP'S -MATERIAL HANDLING AND WASTE MANAGEMENT

-SPILL PREVENTION CONTROL

BY:

DATE:

-BUILDING MATERIALS STOCKPILE MANAGEMENT -MANAGEMENT OF WASHOUT AREAS (CONCRETE, PAINTS, STUCCO, ECT..) -CONTROL OF VEHICLE/EQUIPMENT FUELING TO CONTRACTOR'S STAGING AREA -VEHICLE AND EQUIPMENT CLEANING PERFORMED OFF SITE

REVISION



PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES WHETHER SHOWN OR NOT SHOWN. IT SHALL BE LOCAL BENCHMARK 70 —

> LAKESIDE UNION SCHOOL DISTRICT SHADE AND PLAY STRUCTURE 14535 OLD RIVER ROAD BAKERSFIELD, CA 93311

LAKESIDE JUNIOR HIGH SCHOOL

COVER SHEET / GENERAL NOTES

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-124935 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 05/15/2025



a professional corporation



JOSEPH E. ZASOSKI, AIA

ARCHITECT C-36742

NEW SHADE

STRUCTURE AND

PLAY AREA

LAKESIDE SCHOOL

14535 OLD RIVER RD

BAKERSFIELD, CA 93311

LAKESIDE UNION

14535 OLD RIVER RD.

BAKERSFIELD, CA 93311

DESCRIPTION

2386

A#:03-124935

CAD DRAWING FILE

2386 Shade & Play Structure @ Lakeside JRH

DRAWN BY:

CHECKED BY

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT

THE DRAWINGS. IDEAS. AND DESIGNS REPRESENTED ON THIS

SHEET ARE THE PROPERTY OF THE ARCHITECT

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SHEET TITLE

COVER SHEET/

GENERAL NOTES

SHEET INDEX

LOCAL BENCHMARK 20

LOCAL BENCHMARK 10

COVER SHEET / GENERAL NOTES GRADING AND DRAINAGE PLAN

LOCAL BENCHMARK 80

WORK AREA

LOCAL BENCHMARK

LOCAL BENCHMARK 10 - SCRIBED "+" IN CONCRETE ON EDGE OF TRANSFORMER PAD

OCAL BENCHMARK 95

VICINITY MAP

ASSUMED ELEVATION = 300.00'

LOCAL BENCHMARK 20 - SCRIBED "+" IN CONCRETE ELEVATION = 300.57

LOCAL BENCHMARK 70 - SCRIBED "+" IN CONCRETE

TOWER FOOTING

ELEVATION = 301.54LOCAL BENCHMARK 80 - SCRIBED "+" IN CURB

ELEVATION = 302.50

LOCAL BENCHMARK 85 - SCRIBED "+" IN CONCRETE

ELEVATION = 301.93'

LOCAL BENCHMARK 95 - SCRIBED "+" IN CONCRETE

LEGEND

SET LOCAL CONTROL POINT

PAVEMENT

DESIGN ENGINEER.

GRADE BREAK

ELEVATION = 299.36'

EXISTING EXISTING SLOPE

EDGE PAVEMENT GUTTER LIP PROPOSED SLOPE TOP OF CURB CONC CONCRETE FG FINISH GROUND

FINISH FLOOR GROUND NO DEMOLITION SHOWN ON THIS PLAN. REFER TO ARCHITECTURAL

CP

EG

THESE PLANS ARE PART OF A LARGER SET. CONTRACTOR TO VERIFY AND

COMPARE WITH COMPLETE SER FOR DIMENSIONS OF BUILDING AND SITE.

FINISH PAVEMENT

CORRUGATED PIPE

EXISTING GROUND

FOR DEMOLITION REQUIREMENTS.

PRIVATE ENGINEER'S NOTICE TO **CONTRACTOR:**

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES. CONDUITS OR STRUCTURES SHOWN ON THESE PLANS WAS OBTAINED BY TOPOGRAPHIC SURVEY OF THE SURFACE, AND SEARCH OF THE AVAILABLE RECORDS IF AVAILABLE. UTILITIES SHOWN ON THESE PLANS ARE TO THE BEST OF OUR KNOWLEDGE. AFINAR, INC IS NOT RESPONSIBLE FOR ANY UNDERGROUND UTILITIES OR STRUCTURES NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE ALL UTILITIES AND TO PROTECT THE UTILITY LINES SHOWN AND NOT SHOWN ON THESE DRAWINGS. IF UTILITIES ARE FOUND THAT ARE NOT SHOWN ON THESE PLANS, CONTACT OWNER, ARCHITECT AND ENGINEER FOR DIRECTION. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES TO VERIFY THE SIZE, DEPTH AND LOCATION, PRIOR TO START OF PROJECT. ANY DISCREPANCY BETWEEN THE PLANS AND FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE

ALL UTILITIES IN EFFECTED WORK AREA WILL BE POTHOLED AT CONTRACTORS EXPENSE PRIOR TO EXCAVATION. OWNER, ARCHITECT. AND ENGINEER WILL BE NOTIFIED 48 HOURS PRIOR TO POTHOLE WORK. ALL EXPOSED UTILITIES WILL BE INSPECTED AND MEASURED BY SURVEYOR PRIOR TO BACKFILL.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR ALSO AGREES TO DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE

ENGINEER'S STATEMENT

NEGLIGENCE OF THE OWNER OR THE ENGINEER.

THESE PLANS AND SPECIFICATIONS WERE PREPARED BY ME OR UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH LOCAL ORDINANCES, STANDARDS AND INCLUDE ALL IMPROVEMENT REQUIREMENTS OF THE ADVISORY AGENCY OR OTHER REVIEW BOARD.

ANY ERRORS, OMISSIONS OR DEVIATIONS FROM THOSE ORDINANCES OR STANDARDS ENCOUNTERED DURING CONSTRUCTION SHALL BE CORRECTED AND SUCH CORRECTIONS REFLECTED ON THE PLANS AND SUBMITTED TO THE ENGINEER.

BERNARD ORTIZ SALGADO, R.C.E. 71320

DATE: 1 - 3 - 2025DRAWN BY: AFINAR SCALE: AS NOTED JOB#: 2024-32

SHEET IDENTIFICATION NUMBER

(-

Know what's below.



Established 1997

214 BERNARD STREET BAKERSFIELD, CA 93305 P:(661)716-7443

www.afinar.net



THESE PLANS WERE PREPARED

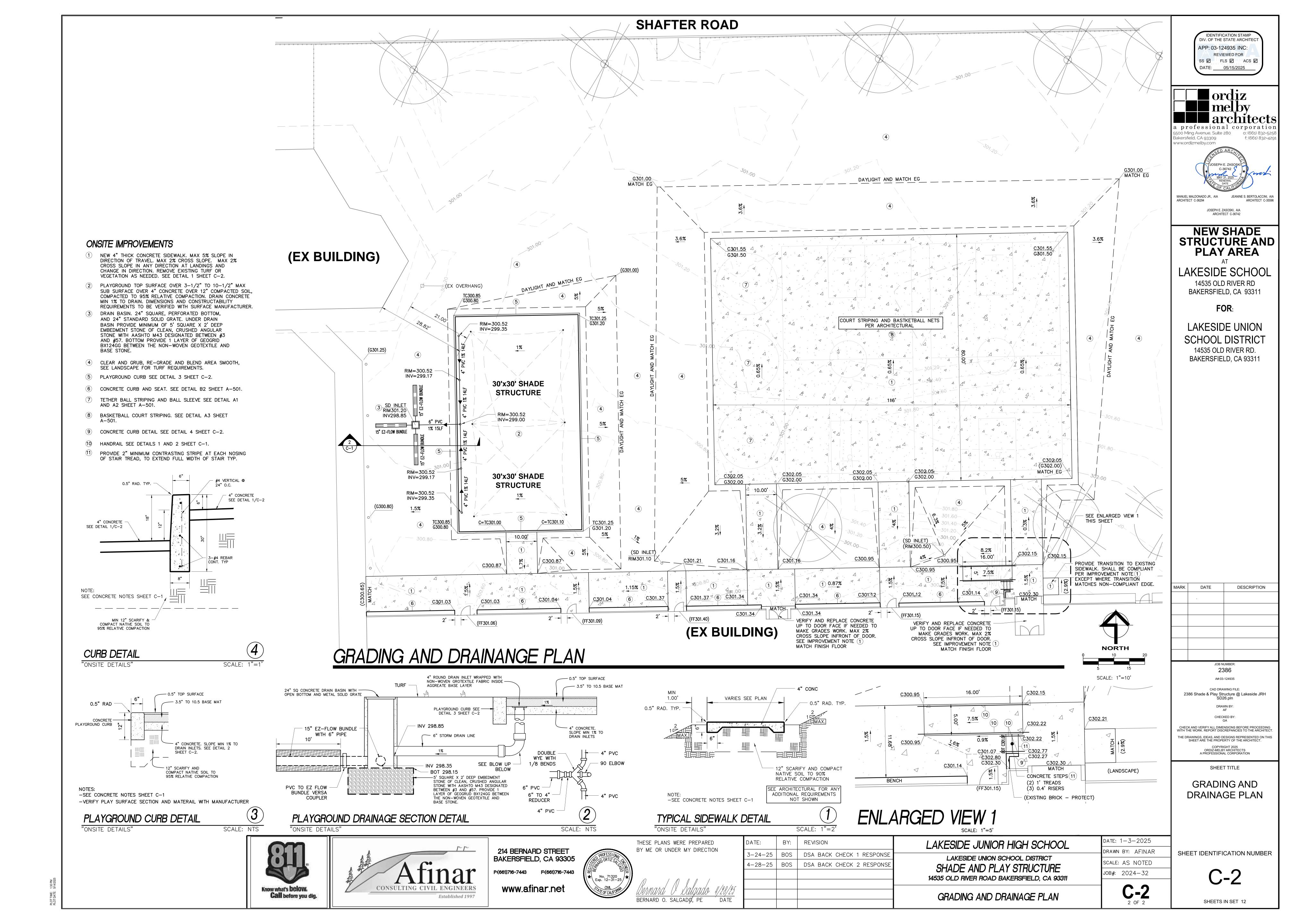
BY ME OR UNDER MY DIRECTION

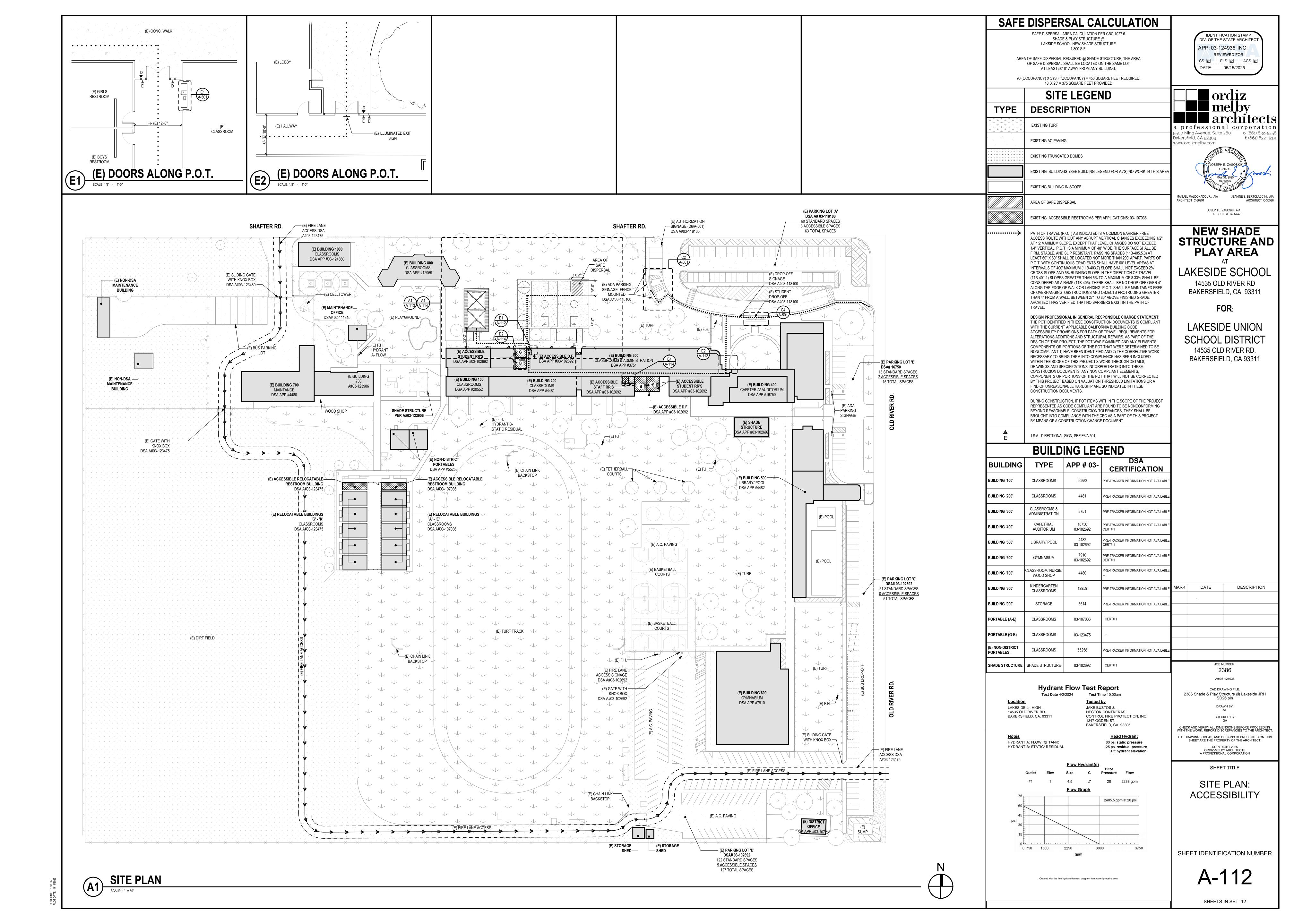
4-28-25 BOS DSA BACK CHECK 2 RESPONSE

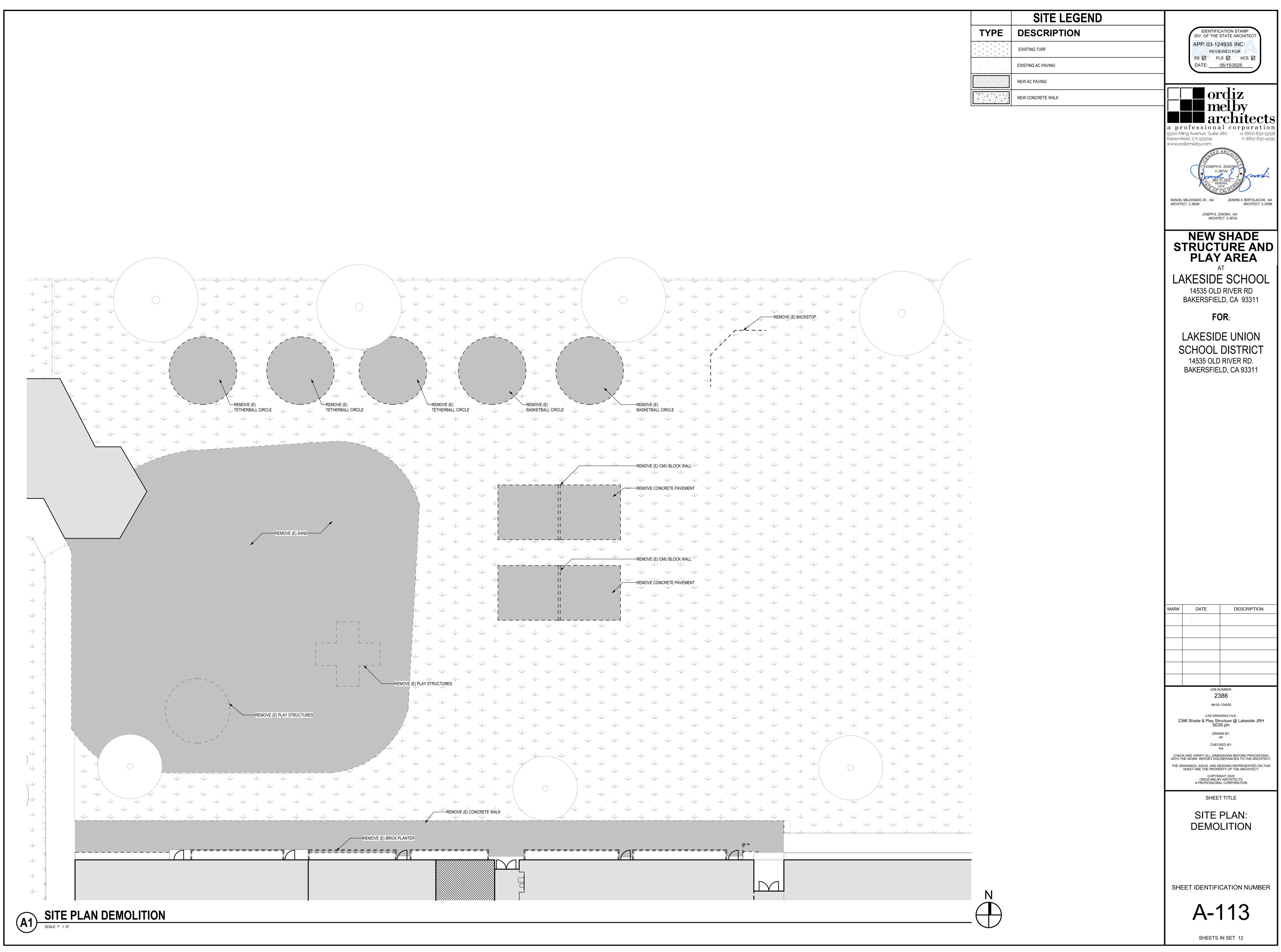
DSA BACK CHECK 1 RESPONSE

6-1 1 OF 2

SHEETS IN SET 12

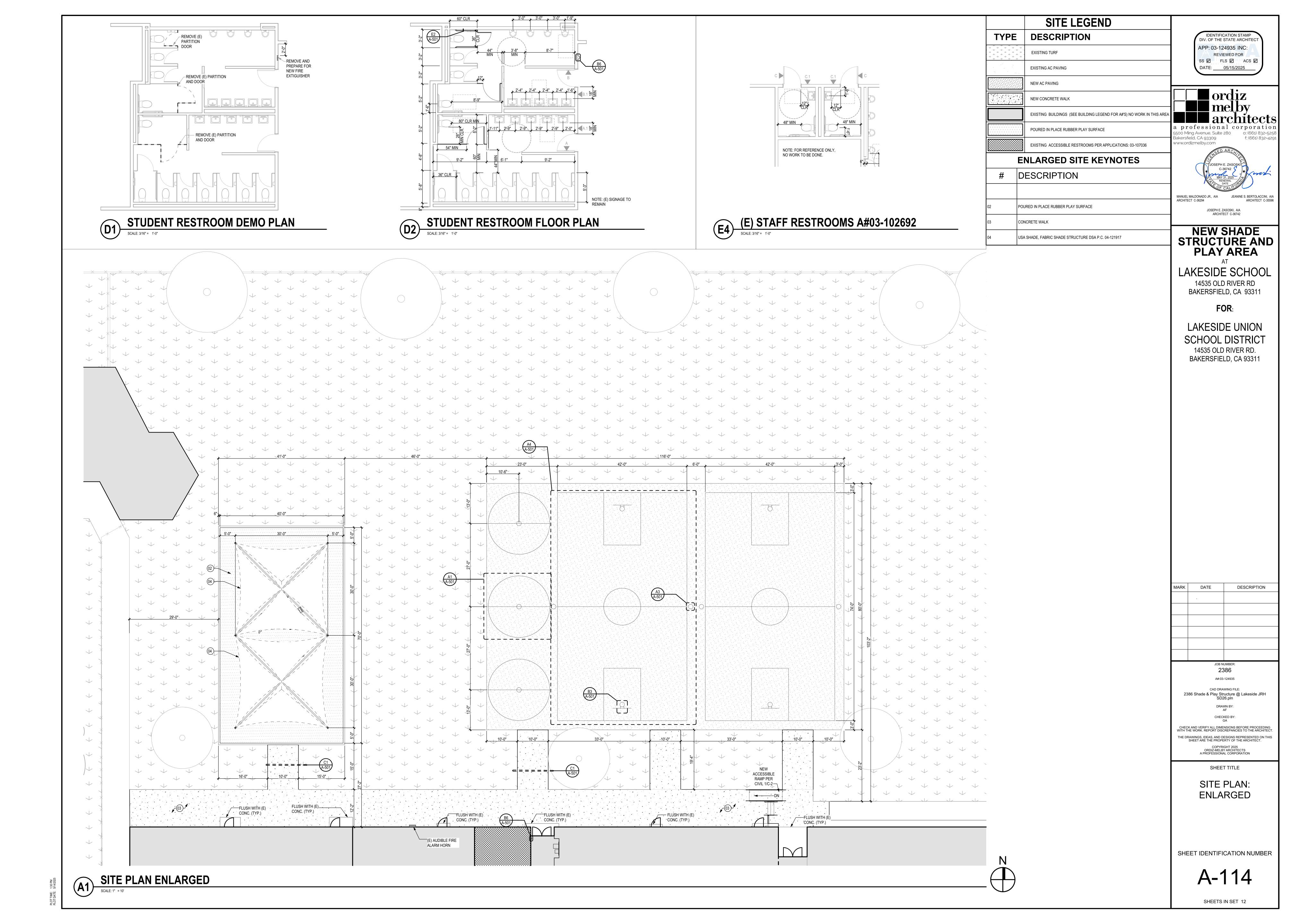


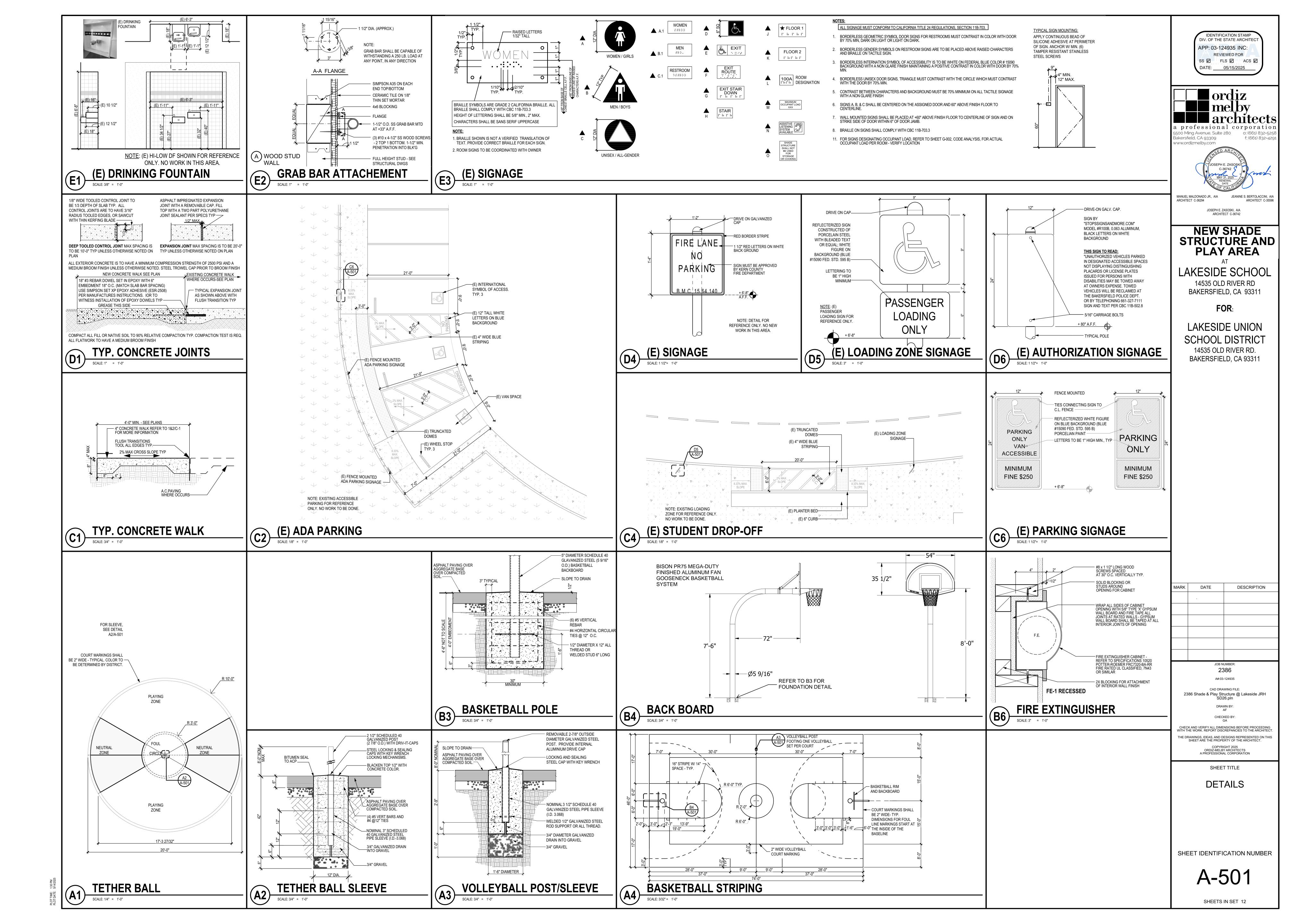






DESCRIPTION







FABRIC SHADE STRUCTURE

DSA P.C. 04-121917

PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING:

CODE ANALYSIS

SITE SPECIFIC PARAMETERS

OCCUPANCY GROUP

MANUFACTURER:

DFW AIRPORT, TEXAS 75261

PH. 800-966-5005

ARCHITECT:

PH. 909-499-0058

W. www.usa-shade.com

USA SHADE & FABRIC STRUCTURES

2580 ESTERS BOUVLEVARD, SUITE 100

HIGGINSON ARCHITECTS, INC.

34247 YUCAIPA BOULEVARD, SUITE D

E. dhigginson@higginsonarchitects.com

STRUCTURAL ENGINEER:

c/o USA SHADE AND FABRIC STRUCTURES

ARCHITECT / ENGINEER

YUCAIPA, CALIFORNIA 92399

W. www.higginsonarchitects.com

DAVID HIGGINSON, AIA, PRINCIPAL ARCHITECT

ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE TITLE 24, CALIFORNIA CODE OF LIST OF APPLICABLE CODES: • 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R. ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING • 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. CONSTRUCTION AND DEMOLITION. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. PRIOR TO SUBMITTAL ARCHITECT OF RECORD SHALL IDENTIFY PC MODEL(S) SELECTED BY 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. END USER ON SHEETS T-1.0 AND T-2.0 BY CHECKING THE APPROPRIATE BOX ASSOCIATED • 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R. WITH SELECTED PC MODEL(S). EXCLUDE SHEETS FOR MODELS NOT SELECTED. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. • 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R. PLANS FOR SPECIFIC APPLICATION SHALL INCLUDE THE FOLLOWING: • 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R. COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R. NUMBER, AND SPECIFIC SIZE OF THE SHADE STRUCTURE(S). • TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS PROVIDE A CODE ANALYSIS, INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTIONS (V-B). INDICATE OCCUPANT LOAD FACTOR (2022 CBC, SECTION 1004). FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA ACTUAL DIMENSIONS OF SHADE STRUCTURES. STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80. DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTUAL PROPERTY LINES. INDICATE LOCATIONS OF FIRE EXTINGUISHERS WITHIN 75 FEET. APPLICABLE CODES SHOW LOCATION OF AUDIBLE FIRE ALARM. ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPECIFIED IN APPENDICES "A, B, & C", RESPECTIVELY, IN ASCE/SEI 19-16, "STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS." INSTRUCTIONS: DESIGN PROFFESIONAL SHALL CHECK THE APPROPRIATE SELECTION BOXES BELOW AND ENTER THE DESIGN PARAMETERS APPLICABLE TO THE SPECIFIC PROJECT SITE ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORTS REQUIREMENTS SHALL COMPLY WITH NO GEOTECHNICAL INVESTIGATION REQUIRED ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS LOCATED IN A MAPPED FIRE HAZARD SEVERITY ZONE OR WILDLAND INTERFACE AREA. GEOTECHNICAL INVESTIGATION PROVIDED FOR SNOW LOAD MODELS ONLY: SITE CLASS: □ C □ D INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE. DESIGN BASED ON SITE CLASS SPECIFIC GROUND MOTION HAZARD ANALYSIS MINIMUM DIMENSION OF 20'-0" FOR SNOW LOAD MODEL (ASCE 7-16). PER CHAPTER 21 OF ASCE 7-16 SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS}, SHALL BE ACTUAL SITE ELEVATION (FEET) TO DETERMINE IF THE SITE OCCURS AT OR BELOW THE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16. NOT ELIGIBLE FOR OTC REVIEW SITE CLASS: □ C □ D $S_{DS} = 2/3 \text{ Fa Ss} = \underline{0.877} \le 2.0$ Cs = 1.6 USED IN DESIGN

P.C. NOTES

GENERAL NOTES:

| SHEET NO | . SHEET DESCRIPTION | UNIT STRUCTURE TYPE | MAX. UNIT SIZE | UNIT MODEL NUMBER |
|------------------------|--------------------------------|---|--------------------------------------|------------------------------------|
| T-1.0 | TITLE SHEET | | | |
| T-2.0 | UNIT SELECTION | | | |
| T-3.0 | T&I FORMS | | | |
| 1.1-1000 | PRODUCT INFORMATION | HIP | 20' x 30' x 15' | DSA4012030-22 |
| 1.2-2000 2.1-1000 | PRODUCT INFORMATION | HIP | 20' x 30' x 15' 30' x 30' x 15' | DSA4012030-22 DSA4013030-22 |
| 2.1-1000 | REACTIONS | HIP | 30' x 30' x 15' | DSA4013030-22 |
| 3.1-1000 | PRODUCT INFORMATION | HIP | 30' x 40' x 15' | DSA4013040-22 |
| 3.2-2000 | REACTIONS | HIP | 30' x 40' x 15' | DSA4013040-22 |
| 4.1-1000 | PRODUCT INFORMATION | HIP | 40' x 40' x 15' | DSA4014040-22 |
| 4.2-2000 | REACTIONS | HIP | 40' x 40' x 15' | DSA4014040-22 |
| 5.1-1000 | PRODUCT INFORMATION | HIP | 20' x 30' x 12' | DSA401203012-22 |
| 5.2-2000 | REACTIONS | HIP | 20' x 30' x 12' | DSA401203012-22 |
| 6.1-1000 | PRODUCT INFORMATION | HIP | 30' x 30' x 12' | DSA401303012-22 |
| 6.2-2000 | REACTIONS | HIP | 30' x 30' x 12' | DSA401303012-22 |
| 7.1-1000 7.2-2000 | PRODUCT INFORMATION REACTIONS | HIP | 30' x 40' x 12' 30' x 40' x 12' | DSA401304012-22 DSA401304012-22 |
| 8.1-1000 | PRODUCT INFORMATION | HIP (20 psf SNOW LOAD) | 20' x 30' x 15' | DSA401S2030-22 |
| 8.2-2000 | REACTIONS | HIP (20 psf SNOW LOAD) | 20' x 30' x 15' | DSA401S2030-22 |
| 9.1-1000 | PRODUCT INFORMATION | JOINED HIPS | VARIES | DSA401J-22 |
| 9.2-1001 | DETAILS | JOINED HIPS | VARIES | DSA401J-22 |
| 9.3-2000 | REACTIONS | JOINED HIPS | VARIES | DSA401J-22 |
| 10.1-1000 | PRODUCT INFORMATION | QUAD JOINED HIPS | VARIES | DSA401Q-22 |
| 10.2-1001 | DETAILS | QUAD JOINED HIPS | VARIES | DSA401Q-22 |
| 10.3-2000 | REACTIONS | QUAD JOINED HIPS | VARIES | DSA401Q-22 |
| 11.1-1000 | PRODUCT INFORMATION | FULL CANTILEVER HIP SINGLE | 20' x 30' x 15' | DSA2022030-22 |
| 11.2-2000 | PRODUCT INFORMATION | FULL CANTILEVER HIP SINGLE FULL CANTILEVER HIP JOINED | 20' x 30' x 15' 20' x 200' x 15' | DSA2022030-22 DSA3022060-22 |
| 12.1-1000 | REACTIONS | FULL CANTILEVER HIP JOINED | 20' x 200' x 15' | DSA3022060-22 |
| 13.1-1000 | PRODUCT INFORMATION | SINGLE POST PYRAMID | 14' x 14' x 12' | DSA1031414-22 |
| 13.2-2000 | REACTIONS | SINGLE POST PYRAMID | 14' x 14' x 12' | DSA1031414-22 |
| 14.1-1000 | PRODUCT INFORMATION | SINGLE POST PYRAMID | 20' x 20' x 12' | DSA1032020-22 |
| 14.2-2000 | REACTIONS | SINGLE POST PYRAMID | 20' x 20' x 12' | DSA1032020-22 |
| 15.1-1000 | PRODUCT INFORMATION | SINGLE POST PYRAMID CANTILEVER | 14' x 14' x 12' | DSA1241414-22 |
| 15.2-2000 | REACTIONS | SINGLE POST PYRAMID CANTILEVER | 14' x 14' x 12' | DSA1241414-22 |
| 16.1-1000 | PRODUCT INFORMATION | SINGLE POST PYRAMID CANTILEVER | 20' x 20' x 12' | DSA1242020-22 |
| 16.2-2000 | REACTIONS | SINGLE POST PYRAMID CANTILEVER | 20' x 20' x 12' | DSA1242020-22 |
| 17.1-1000 | PRODUCT INFORMATION | MARINER PEAK | 30' x 30' x 15' | DSA4073030-22 |
| 17.2-2000 18.1-1000 | PRODUCT INFORMATION | MARINER PEAK MARINER PEAK | 30' x 30' x 15' 30' x 40' x 18' | DSA4073030-22 DSA4073040-22 |
| 18.2-2000 | REACTIONS | MARINER PEAK | 30' x 40' x 18' | DSA4073040-22 |
| 19.1-1000 | PRODUCT INFORMATION | MARINER PEAK JOINED | 30' x 133' x 15' | DSA407J3060-22 |
| 19.2-2000 | REACTIONS | MARINER PEAK JOINED | 30' x 133' x 15' | DSA407J3060-22 |
| 20.1-1000 | PRODUCT INFORMATION | MARINER PEAK QUAD | 60' x 60' x 15' | DSA407Q6060-22 |
| 20.2-2000 | REACTIONS | MARINER PEAK QUAD | 60' x 60' x 15' | DSA407Q6060-22 |
| 21.1-1000 | PRODUCT INFORMATION | TRI TRUSS HIP SINGLE WIDE | 20' x 30' x 15' | DSA2062030-22 |
| 21.2-2000 | REACTIONS | TRI TRUSS HIP SINGLE WIDE | 20' x 30' x 15' | DSA2062030-22 |
| 22.1-1000 | PRODUCT INFORMATION | TRI TRUSS HIP JOINED | 20' x 200' x 15' | DSA3052060-22 |
| 22.2-2000 | REACTIONS | TRI TRUSS HIP JOINED | 20' x 200' x 15' | DSA3052060-22 |
| 23.1-1000 | PRODUCT INFORMATION | TENSION SAILS THREE POINT | 30' x 133' x 15' | DSA30730-22 |
| 23.2-2000 | REACTIONS PRODUCT INFORMATION | TENSION SAILS THREE POINT | 30' x 133' x 15' 20' x 200' x 15' | DSA30730-22 |
| 24.1-1000 | PRODUCT INFORMATION REACTIONS | TENSIONS SAILS FOUR POINT TENSIONS SAILS FOUR POINT | 20' x 200' x 15' | DSA4182020-22 DSA4182020-22 |
| 25.1-1000 | PRODUCT INFORMATION | TENSIONS SAILS FOUR POINT | 30' x 133' x 15' | DSA4183030-22 |
| 25.2-2000 | REACTIONS | TENSIONS SAILS FOUR POINT | 30' x 133' x 15' | DSA4183030-22 |
| 26.1-1000 | PRODUCT INFORMATION | TRIANGLE | 25' x 25' x 15' | DSA30125-22 |
| 26.2-2000 | REACTIONS | TRIANGLE | 25' x 25' x 15' | DSA30125-22 |
| 27.1-1000 | PRODUCT INFORMATION | TRIANGLE | 40' x 40' x 15' | DSA30140-22 |
| 27.2-2000 | REACTIONS | TRIANGLE | 40' x 40' x 15' | DSA30140-22 |
| 28.1-1000 | PRODUCT INFORMATION | HEXAGON | Ø40' X 15' | DSA60340-22 |
| 28.2-2000 | REACTIONS | HEXAGON | Ø40' X 15' | DSA60340-22 |
| 29.1-1000 | PRODUCT INFORMATION | HEXAGON | Ø60' X 15' | DSA60360-22 |

PRODUCT INFORMATION

29.2-2000

HEXAGON

HEXAGON

TOTAL SHEET COUNT: 63 SHEETS

SHEET INDEX

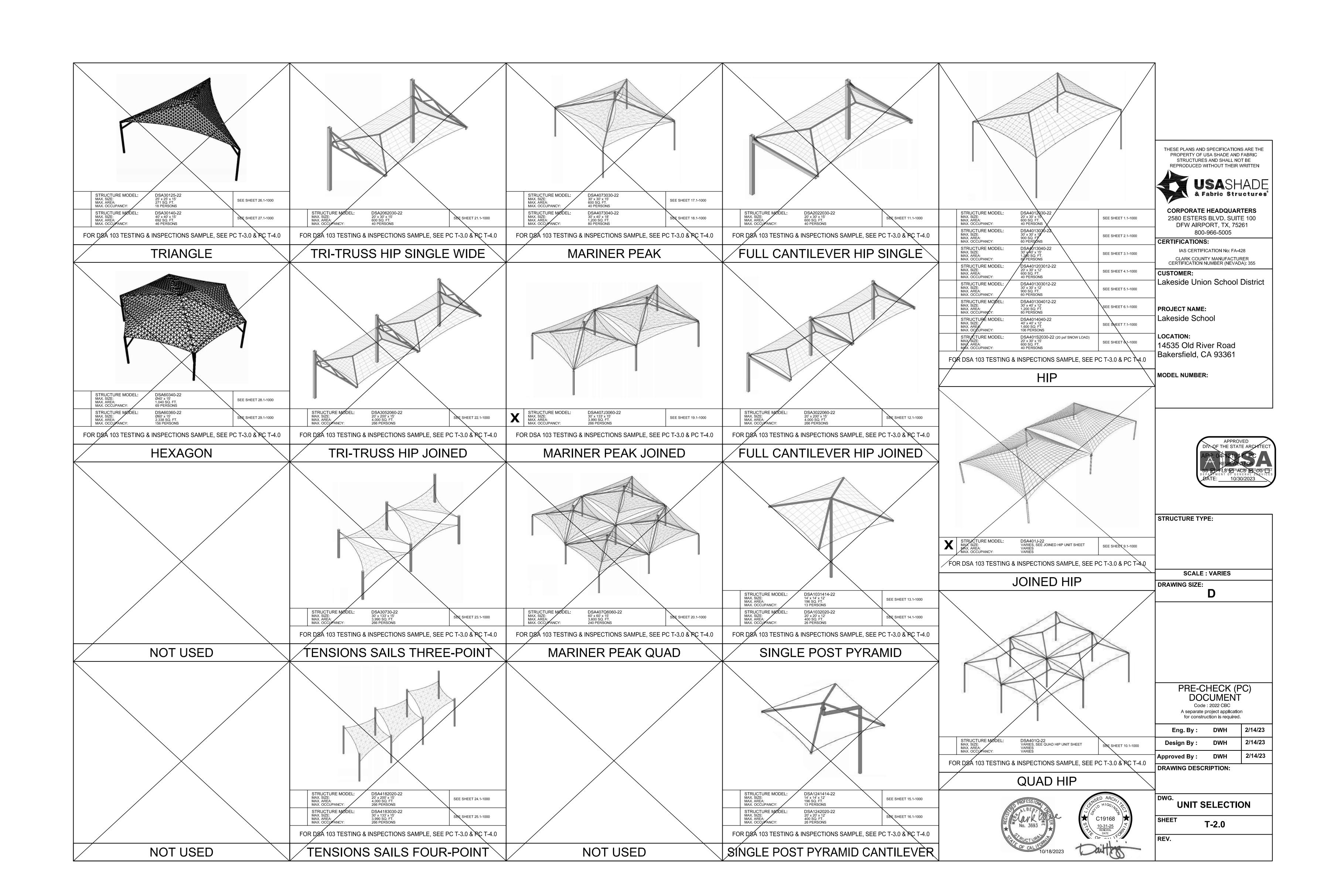
Ø60' X 15'

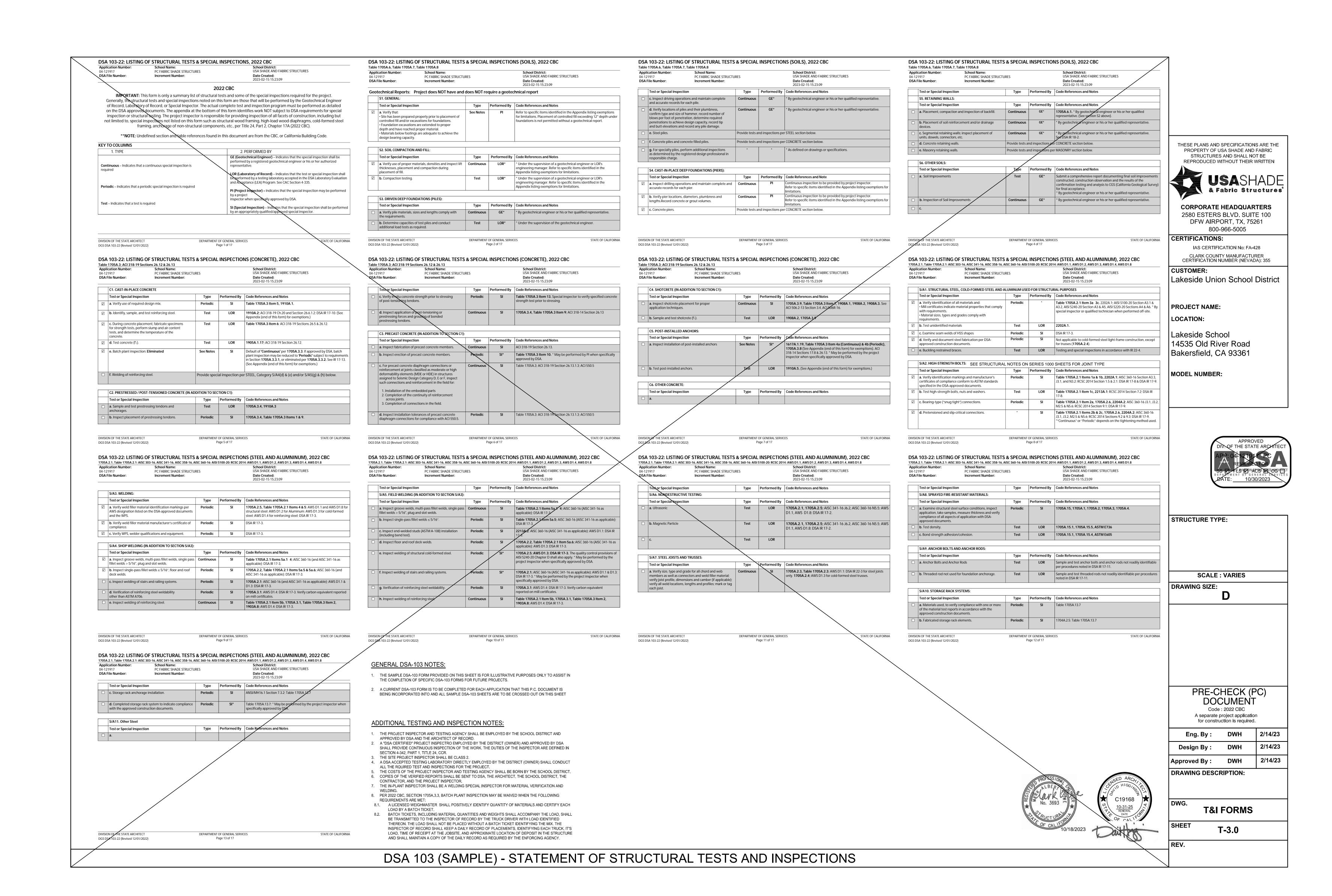
Ø60' X 15'

DSA4012030-22 DSA4013030-2 THESE PLANS AND SPECIFICATIONS ARE THE DSA4013040-22 PROPERTY OF USA SHADE AND FABRIC DSA4013040-22 DSA4014040-2 **USA**SHADE & Fabric Structures DSA401203012-22 CORPORATE HEADQUARTERS DSA401303012-22 2580 ESTERS BLVD. SUITE 100 DFW AIRPORT, TX, 75261 DSA401303012-22 DSA401304012-22 DSA401304012-22 DSA401S2030-22 CLARK COUNTY MANUFACTURER **CERTIFICATION NUMBER (NEVADA): 355** Lakeside Union School District DSA401J-22 DSA401Q-22 DSA2022030-22 | **LOCATION**: DSA2022030-22 14535 Old River Road DSA3022060-22 Bakersfield, CA 93361 DSA3022060-22 DSA1031414-22 | **MODEL NUMBER**: DSA1031414-22 DSA1032020-22 DSA1032020-22 DSA1241414-22 DSA1241414-22 DSA1242020-22 DSA1242020-22 IV: QF THE STATE ARC DSA4073030-22 DSA4073030-22 DSA4073040-22 DSA4073040-22 DSA407J3060-22 DSA407J3060-22 DSA407Q6060-22 STRUCTURE TYPE: DSA407Q6060-22 DSA2062030-22 DSA2062030-22 DSA3052060-22 DSA3052060-22 SCALE: VARIES DSA30730-22 DSA30730-22 DRAWING SIZE: DSA4182020-22 DSA4182020-22 DSA4183030-22 DSA4183030-22 DSA30125-22 DSA30125-22 DSA30140-22 DSA30140-22 DSA60340-22 DSA60340-22 PRE-CHECK (PC) DSA60360-22 DOCUMENT DSA60360-22 A separate project application for construction is required. Design By: 2/14/23 Approved By: DRAWING DESCRIPTION: TITLE SHEET

T-1.0

REV.





GENERAL NOTES .- SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & I LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING, UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2022 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION. 2.- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING. 3.- FOUNDATION DESIGN BASED ON CBC 2022, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF) 4.- DESIGN PER FOLLOWING CODES: CBC 2022 (CHAPTER 35), ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-19, ASCE 55-16 & ASCE 19-16 3TRUCTURAL STEEL I.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICIAL OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OR AN OFFICE SHALL BE PERFORMED BY SHADE STRUCTURES OF SHALL BY SHADE STRUCTURES SHADE S AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2022 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1. 2.- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES. 3.- ALL WORK SHALL CONFORM TO CBC 2022 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) 4.- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500-16 GRADE C, IN ITS' ENTIRETY. TYPICAL MECHANICAL PROPERTIES ARE: ROUND TUBE GRADE C 46,000 PSI YIELD STRESS MINIMUM / 62,000 PSI TENSILE STRESS MINIMUM 5.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS PRODUCTS: 50.000 PSI YIELD STRESS / 62.000 PSI TENSILE STRESS SQUARE AND RECTANGULAR ROUND PIPE 50,000 PSI YIELD STRESS / 62,000 PSI TENSILE STRESS 6.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

CBC PC DESIGN NOTES

ALLOWABLE SOIL PRESSURE:

PER CBC SECTION 1806A.3.4.

DL + LL + SEISMIC (CONC FTG)

LATERAL BEARING DESIGN VALUE

TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT)

ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM

UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.

DL + LL (CONC FTG)

CBC 2022 (BASED ON IBC 2021)

1500 PSF

ZERO PSF

SDS

BUILDING CODE

FLOOR LIVE LOAD

ROOF LIVE LOAD

ROOF SNOW LOAD

FLOOD HAZARD AREA

ARE STILL APPLICABLE.

-WIND EXPOSURE FACTOR

-TOPOGRAPHIC FACTOR

-VELOCITY PRESSURE

DESIGN CRITERIA STATED HEREIN.

-SPECTRAL RESPONSE COEFFICIENTS

SEISMIC RESPONSE COEFFICIENTS

NO LIQUEFACTION POTENTIAL EXISTS.

MINIMUM CLASS 2 PROJECT INSPECTOR REQUIRED.

SPIRAL #4

Ø13/16" HOLE-

THROUGH

Ø3/4"X15'

ALL THREADED

GALVANIZED

CAP PLATE-

(SEE DETAIL)

HVY. HEX NUTS (4)

FLAT WASHERS (2

PROVIDE TAPER ¬

SLOPE 2% MAX.

135° SEISMIC HOOKS -

AT END OF SPIRAL

TOP VIEW

X DRILLED PIER FOOTING-PIH

(USE FOR NON-CONSTRAINED CASES)

______(SFRS)

-VERTICAL REBAR 18#4

(TYP.)

RFBAR 18#4

2'-6"

DRILLED PIER FOOTING-RBP

(OPTIONAL)

RECESSED BASE PLATE, RBP) (USÈ FOR NON-CONSTRAINED CASES)

-RISK CATEGORY

-SITE CLASS

SYSTEM.

-BASIC DESIGN WIND SPEED (3 SEC GUST)

-ASD WIND LOAD (CBC 2022 SEC. 1603A.1.4)

-VELOCITY PRESSURE EXPOSURE COEFFICIENT

ICE LOAD

-SEISMIC IMPORTANCE FACTOR 10.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. ALL FILLET WELDS SHALL BE A -DESIGN BASE SHEAR AT BASE MINIMUM OF 3/16" ER70SX ELECTRODES UNLESS OTHERWISE NOTED. GMAW IS ACCEPTABLE. I1.- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-593, YIELD STRENGTH= 45 KSI, TENSILE -RESPONSE MODIFICATION FACTOR STRENGTH=85 KSI MINIMUM, ALLOY GROUP 2, CONDITION CW2. ALL NUTS SHALL COMPLY WITH ASTM F-594 -ANALYSIS PROCEDURE ALLOY GROUP 2, CONDITION CW2. REFERRING TO RCSC, ASTM F-593 IS NOT CONSIDERED AS HIGH STRENGTH BOLTS. BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION (ST). -SEISMIC DESIGN CATEGORY -SITE COEFFICIENT CATEGORY 12.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS -REDUNDANCY FACTOR COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC STRUCTURES RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS: - PENCIL HARDNESS (ASTM D-3363). - HUMIDITY (ASTM D-2247).

8.- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED

BY AN AWS/CWI INSPECTOR. AWS D1.1 FOR HOT ROLLED. AWS D1.3 FOR SHEET/COLD FORMED, AWS D1.8

9.- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8.

- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS. 13.- ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

14.- ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP

GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329) AS APPLICABLE, OR PROTECTED WITH PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN

.- CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2022 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.

2.- CONCRETE TO BE F'c= 4500 PSI, TYPE V CEMENT PLUS POZZOLAN OR SLAG CEMENT, MAXIMUM MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF WATER/CEMENT RATIO OF 0.45, PER ACI 318-19 CHAPTER 19. (NO ADMIXTURES CONTAINING CALCIUM REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CHLORIDE WILL BE USED.) REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 AND TO BE Fy= CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 17'-6" FEET THAT 60000 PSI, MIN. GR. 60. ALSO COATED ACCORDING TO ASTM A767/ A767M, STANDARD SPECIFICATION FOR INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE NOTE: THE MINIMUM CLEARANCE REQUIRED BETWEEN DRILLED ZINC-COATING (GALVANIZED) STEEL BARS FOR CONCRETE REINFORCEMENT.

3.- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 36 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329). ANCHOR BOLT'S DIAMETER NEEDS TO BE AS FOLLOW: A) ANCHOR BOLT Ø1 1/4"

4.- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT.

5.- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.

6.- CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES SHALL BE AIR ENTRAINED PER ACI 318

I.- FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD.. WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS. MINIMUM SEAM LENGTH 3/4". 2.- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.

.- PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOL'S DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT

4.- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST. FLAME SPREAD INDEX (FSI): 10. SMOKE DEVELOPED INDEX (SDI): 50. FABRIC IS ACCEPTABLE FOR USE IN WILDLIFE URBAN INTERFACE

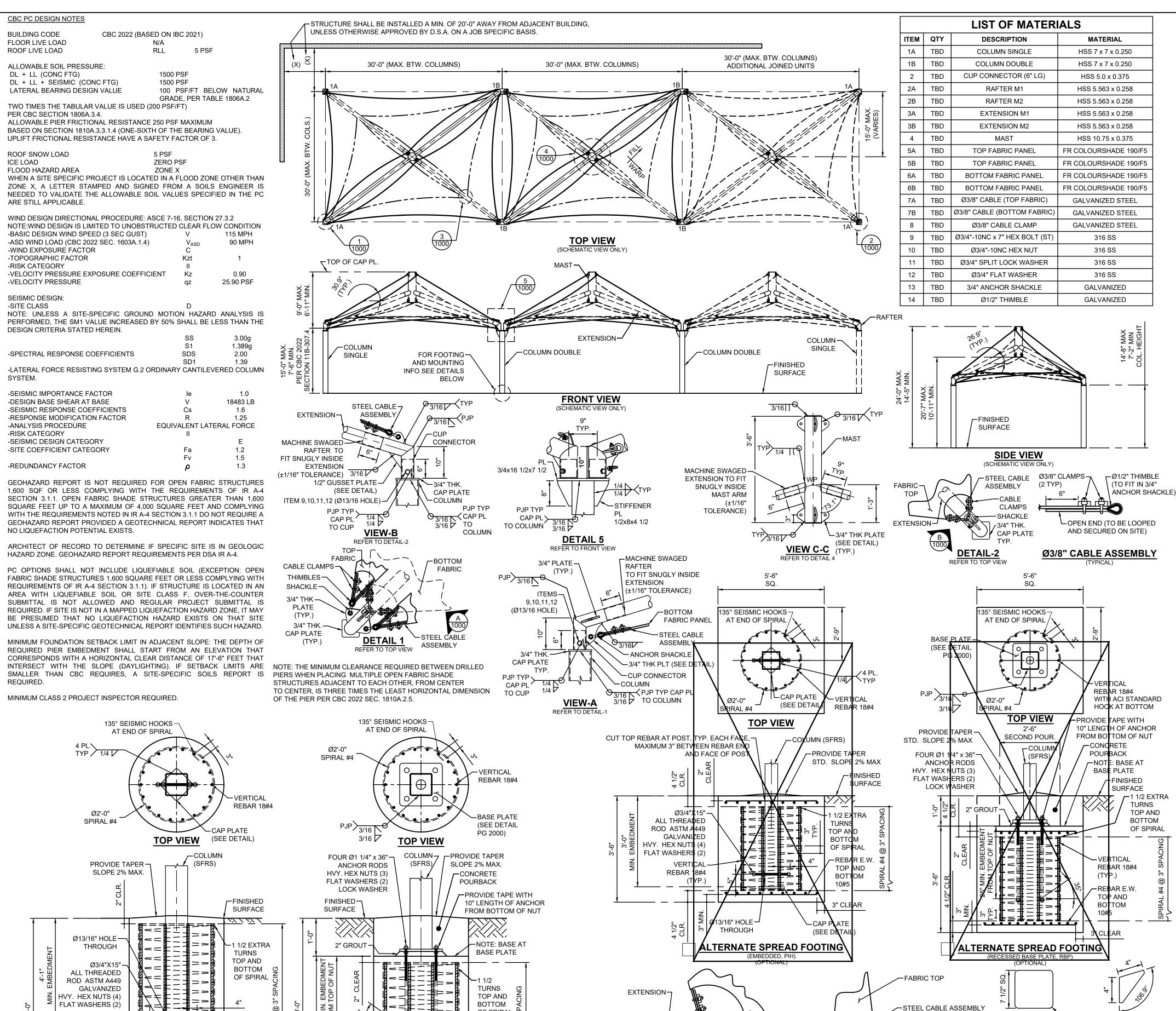
5.- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.

6.- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023/A1023M, WITH A BREAKING STRENGTH VALUE OF 14.400 LBS. CABLE SHALL BE TENSIONED TO 300 LBS MINIMUM AND 500 LBS MAXIMUM.THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS Sa=4,909 LB.

 CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

> MAXIMUM OCCUPANT LOAD (PER CBC 2022 TABLE 1604A.5) 250 PERSONS -PUBLIC ASSEMBLY: 300 PERSONS -EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE: 500 PERSONS



3/4" PLATE —

FABRIC ¬

BOTTOM

(TYP.)

CABLE ASSEMBLY

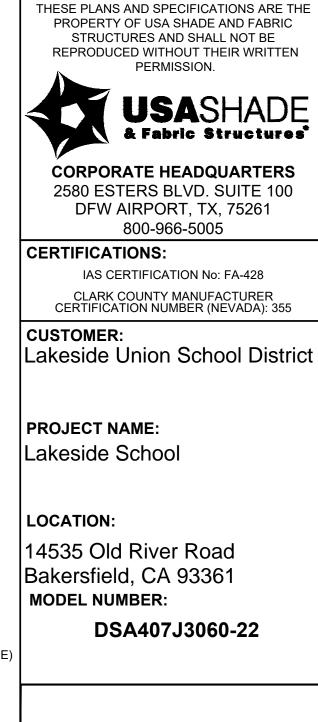
CABLE ASSEMBLY

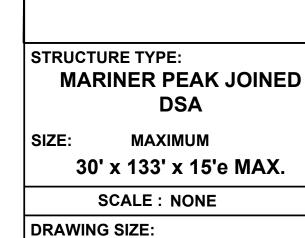
MAST ARM

SHACKLE-

STEEL CABLE -

ASSEMBLY





DIV. OF THE STATE ARCHITI

PRE-CHECK (PC) DOCUMÈNT Code : 2022 CBC A separate project application for construction is required.

| PRODUCT INFORMATION | | | | |
|----------------------|----|---------|--|--|
| DRAWING DESCRIPTION: | | | | |
| Approved By : | MB | 12/01/2 | | |
| Design By : | os | 12/01/2 | | |
| Eng. By : | НН | 12/01/2 | | |

PLATE DETAIL

(1/2" THK STIFFENER)

(TYP. FOR ALL RAFTERS)

(A572 GR. 50)

(3/4" THK) (TYP. FOR ALL COLUMNS)

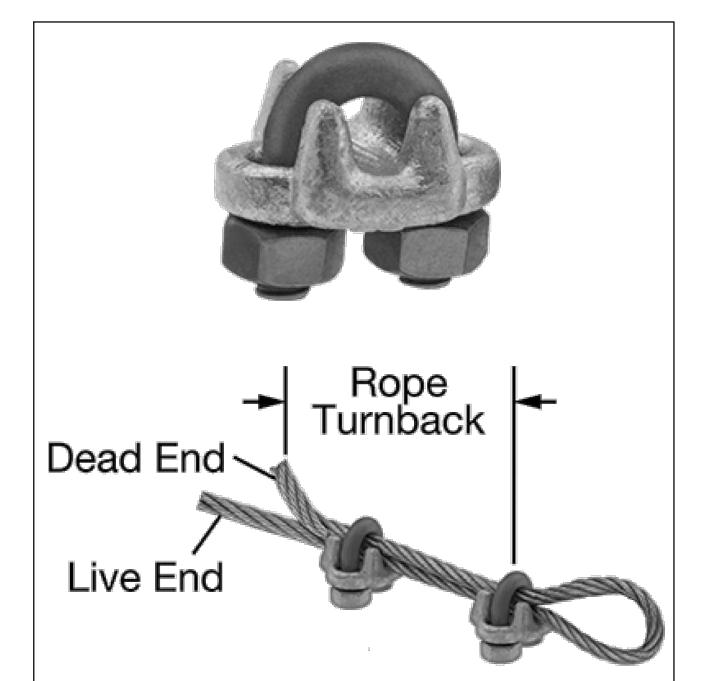
(TOP OF RBP COLUMNS) (TOP & BOT. OF PIH COLUMNS)

└FABRIC

TOP

DSA407J3060-22 19.1-1000

NC

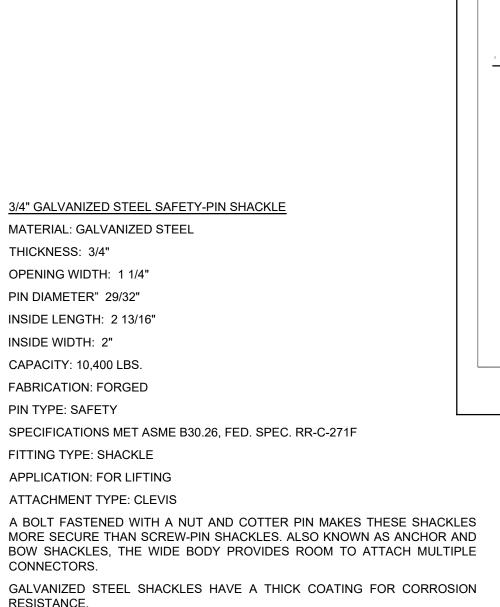


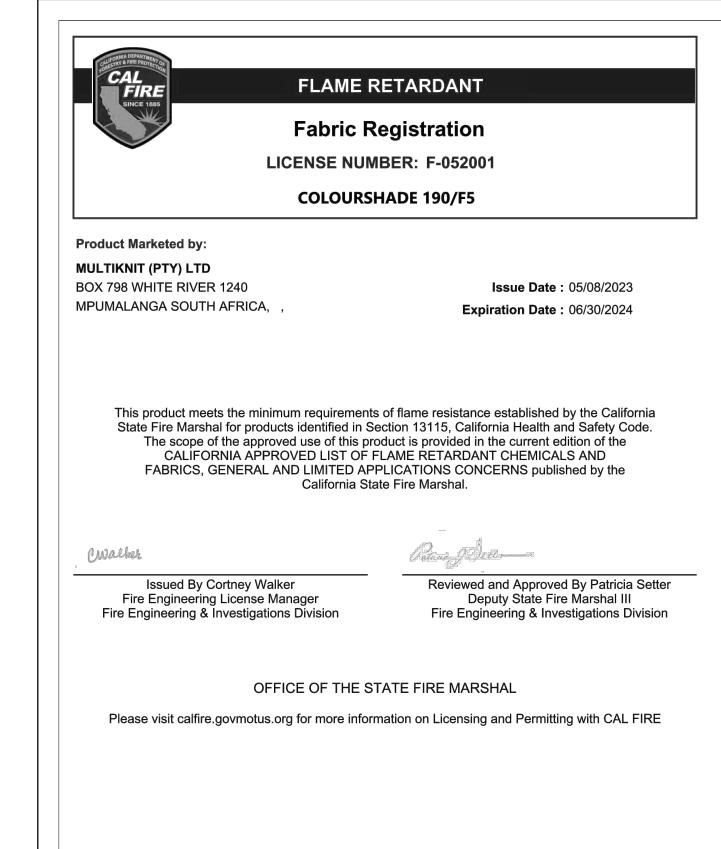
Inside

FORGED WIRE ROPE CLAMP

FITTING TYPE ROPE CLAMP FABRICATION: FORGED MATERIAL: GALVANIZED STEEL FOR WIRE ROPE DIAMETER 3/8" NUMBER OF CLAMPS REQUIRED: 2 ROPE TURNBACK: 6 1/2" FOR WIRE ROPE CONSTRUCTION 7 × 19 ATTACHMENT TYPE: LOOP

CLAMP:WIDTH 2", HEIGHT 1 15/16", THICKNESS 1 11/16" REQUIRED INSTALLATION TOOL TORQUE WRENCH REQUIRED TORQUE 45 FT.-LBS. CAPACITY 80% OF THE ROPE'S CAPACITY SPECIFICATIONS MET ASME B30.26, FED. SPEC. FF-C-450





Page 1 of 1

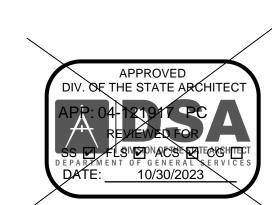
Aircraft Cable

Preformed, made in accordance with commercial specifications military and federal specification rope available.

Carbon Steel (Aircraft Cable) - Galvanized cable has the highest strength and greatest fatigue life of the materials offered. It has good to fair corrosion resistance in rural to industrial atmosphere environments. This material is most widely used for small diameter cables. Tin over galvanized cable offers greater corrosion resistance and reduced friction over pulleys.

| | 7 x 19 | | Galvanized Min. |
|--------|-----------|---------------------------|-----------------------------|
| | Dia. (In) | Approx. Wt 1000 Ft/lbs | Breaking Strengths (lbs) |
| 7 x 19 | 3/32 | 17. | 1,000 |
| | 1/8 | 29. | 2,000 |
| | 5/32 | 45. | 2,800 |
| | 3/16 | 65. | 4,200 |
| | 7/32 | 86. | 5,600 |
| | 1/4 | 110. | 7,000 |
| | 9/32 | 139. | 8,000 |
| | 5/16 | 173. | 9,800 |
| | 3/8 | 243. | 14,400 |

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN & Fabric Structures* **CORPORATE HEADQUARTERS** 2580 ESTERS BLVD. SUITE 100 DFW AIRPORT, TX, 75261 800-966-5005 **CERTIFICATIONS:** IAS CERTIFICATION No: FA-428 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355 CUSTOMER: Lakeside Union School District PROJECT NAME: Lakeside School LOCATION: 14535 Old River Road Bakersfield, CA 93361 MODEL NUMBER: DSA407J3060-22



STRUCTURE TYPE: MARINER PEAK JOINED MAXIMUM

30' x 133' x 15'e MAX.

SCALE: NONE DRAWING SIZE:

PRE-CHECK (PC)

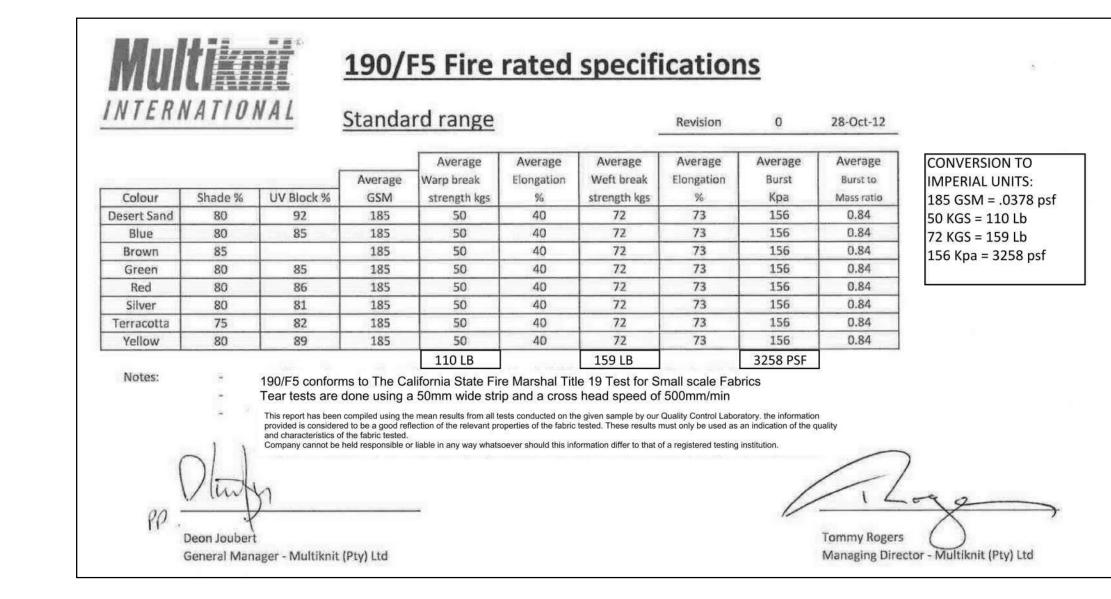
DOCUMENT

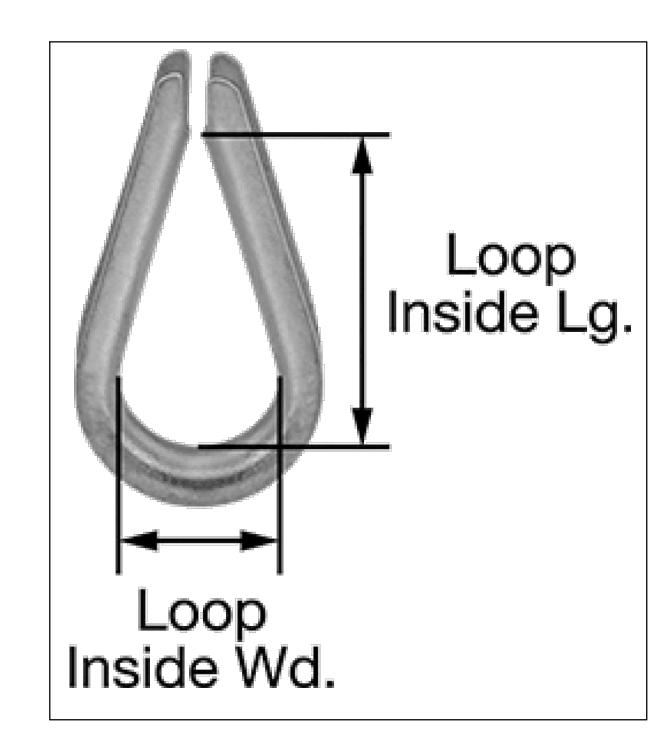
Code: 2022 CBC A separate project application for construction is required.

12/01/22 Eng. By: 12/01/22 Design By : 12/01/22 DRAWING DESCRIPTION:

SPECIFICATIONS DSA407J3060-22

19.2-2000 NC





Thick.

WIRE ROPE THIMBLE FITTING TYPE: THIMBLE MATERIAL: GALVANIZED STEEL FOR WIRE ROPE DIAMETER: 1/2" INSIDE LENGTH: 1 7/8" INSIDE WIDTH: 1 1/8" SPECIFICATIONS MET FED. SPEC. FF-T-276B

