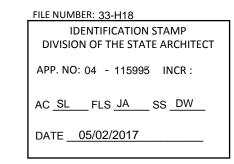
MURRIETA VALLEY HIGH SCHOOL AUTO LIFT

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

42200 NIGHTHAWK WAY, MURRIETA, CA 92562

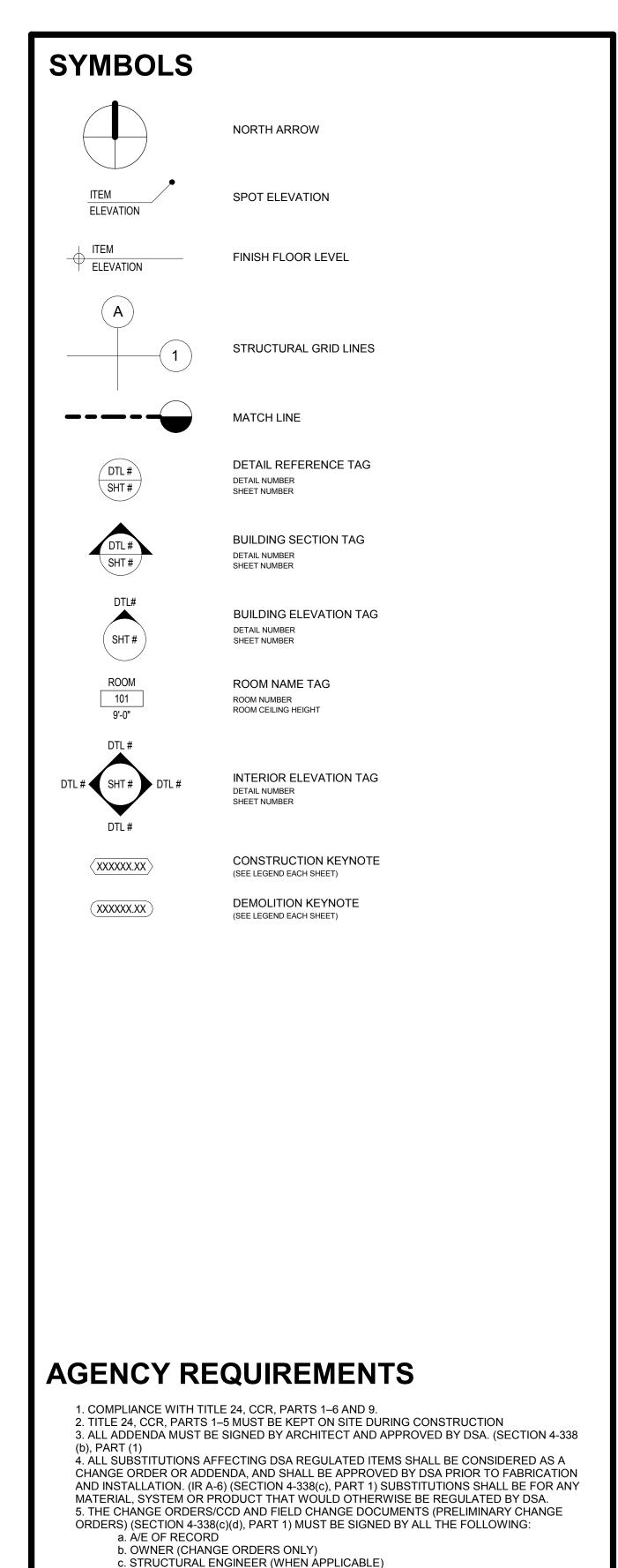


CONSTRUCTION DOCUMENTS
5/2/2017



MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

42200 NIGHTHAWK WAY, MURRIETA, CA 92562



d. DELEGATED PROFESSIONAL ENGINEER (WHEN APPLICABLE)

6. THE PROJECT INSPECTOR AND TESTING LAB SHALL BE EMPLOYED AND PAID BY THE

1 SECTION 4-317(c) OR SIMILAR MEANING: "THE INTENT OF THESE DRAWINGS AND

RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR

CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A

REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE

SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE

NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24.

SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR

7. FOR ALTERATIONS, REHABILITATION OR RECONSTRUCTION AS STATED IN TITLE 24, PART

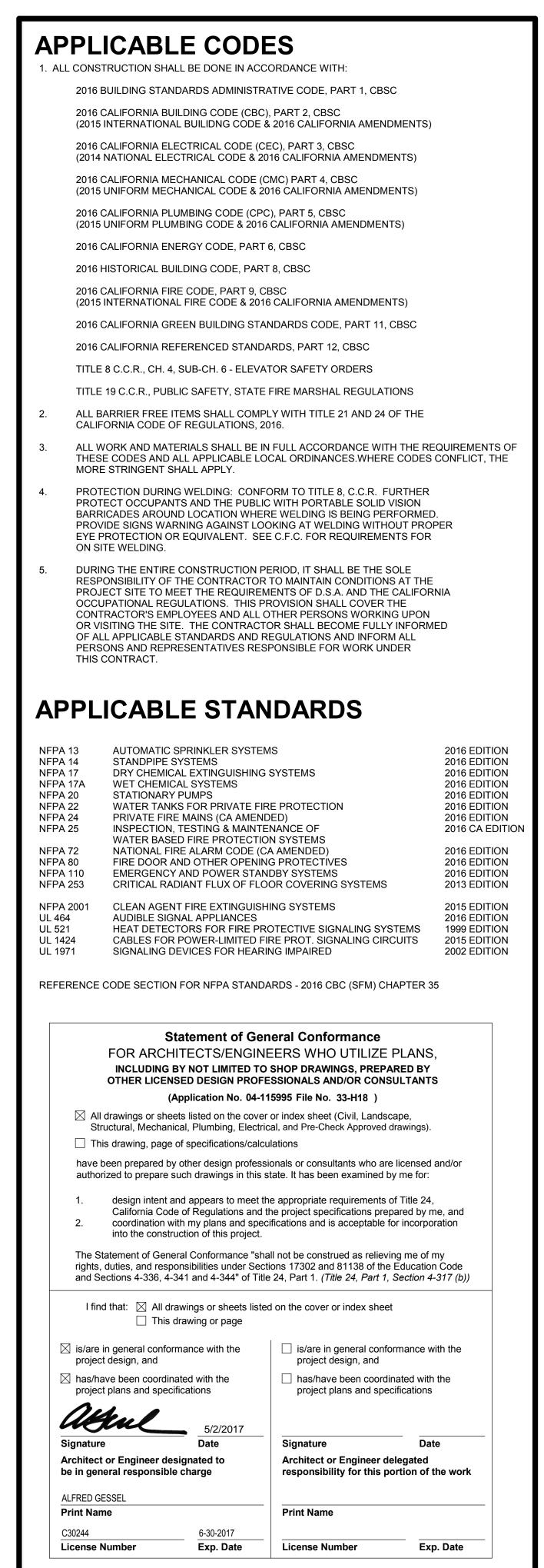
AND SHALL BE SUBMITTED TO AND APPROVED BY DSA.

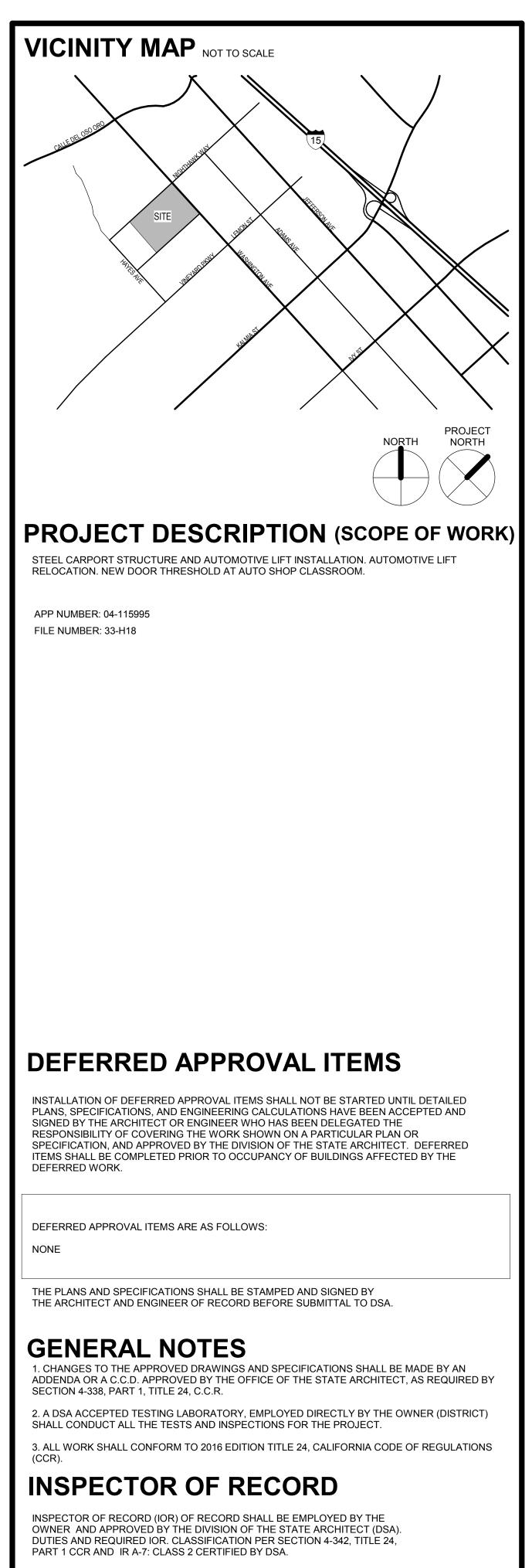
b. STRUCTURAL ENGINEER (WHEN APPLICABLE)

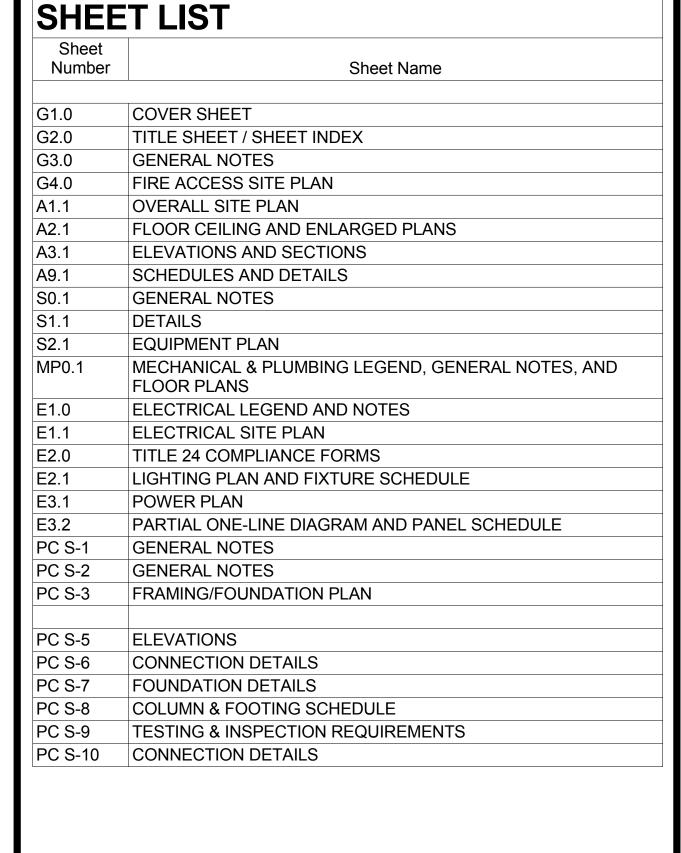
OWNER AND APPROVED BY ALL OF THE FOLLOWING:

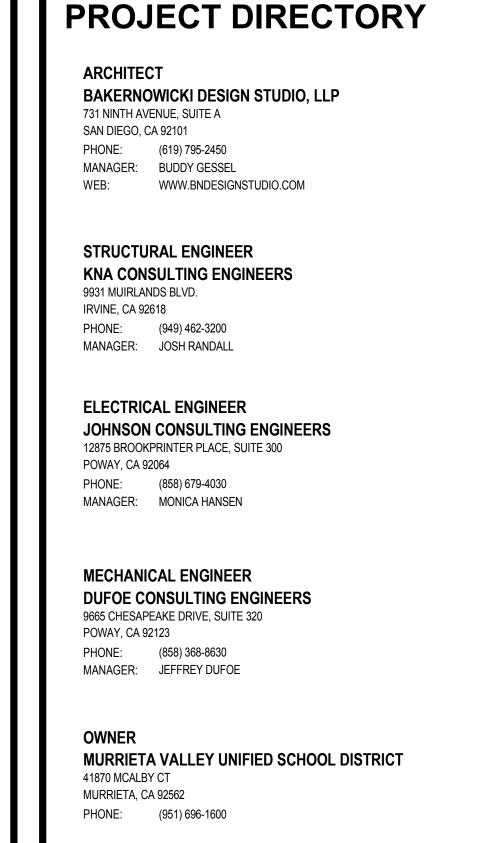
a. A/E OF RECORD

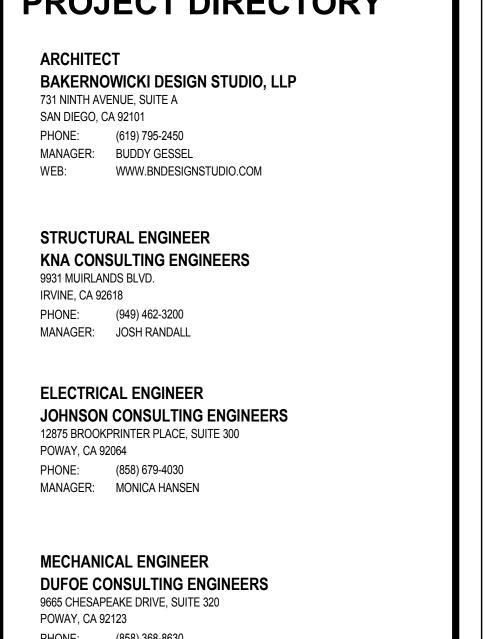
PROCEEDING WITH THE REPAIR WORK."











IDENTIFICATION STAMP **DIVISION OF THE STATE ARCHITEC** APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE <u>05/02/2017</u>

www.bndesignstudio.com

MURRIETA VALLEY UNIFIED SCHOOL

AUTO LIFT

MURRIETA VALLEY HIGH SCHOOL



IDENTIFICATION STAMP OFFICE OF REGULATION SERVICES APPL# 04-115995 AC _____ F/LS____ SS ____

TITLE SHEET / SHEET INDEX

DATE:

NO. DATE

PROJECT NO:

5/2/2017

INSIDE DIAMETER

INSIDE FACE

ILLUMINATION

INSTALLATIO

INTERIOR

IRON PIPE

ISOMETRIC

JANITOR

KILN DRIED

KNOCKOUT

KICKPLATE

LADDER

LAMINATEI

LATERAL

LAVATORY

LAG BOL7

LANDING

LEADER

LONG

LINEAR

LOCKER

LIVE LOAD

LOCATION

I OW POINT

LUMP SUM

LIGHTWEIGHT

LIGHTING PANEL

LOW VOLTAGE

LIGHTWEIGHT CONCRETE

LIGHTING

LUBRICATE

LOUVER

MIRROR

MARBLE

MASONRY

MATERIAL

MAXIMUM

MIXING BOX

MECHANICAL

MEDIUM

METAL

MANHOL

MIRROR

MIRROR GLAS

MASONRY OPENING

MILES PER HOUR

MIRROR WITH SHELF

MILL WORK

MODULE

MONUMENT

MOP RACK

MOUNTE

MEETING

METER

MORTAF

MULLION

MULTIPLE

NUMBER

NOT APPLICABLE

NOT IN CONTRACT

NOMINAL PIPE SIZE

NATURAL STONE TILE

NOT TO SCALE

OUT TO OUT

OUTSIDE AIR

OVERALL

OBSCURE

OPPOSITE

OPTIONAL

ORIGINAL

OUNCE

PARALLEL

PIECE

PANIC BAR

PARTICLEBOARD

OVERFLOW

ON CENTER

OUTSIDE DIAMETER

OPPOSITE HAND

OUTSIDE DIMENSION

OVAL HEAD WOOD SCREW

OVERFLOW ROOF DRAIN

NON-REINFORCED CONCRETE PIPE

NOISE REDUCTION COEFFICIENT

OWNER FURNISHED CONTRACTOR INSTALLED

OWNER FURNISHED OWNER INSTALLED

NORTH

NATURAI

NEGATIVE

NUMBER

NOMINAL

MOUNTING

MII F

MEMBRANE

MANUFACTURER

MAKE-UP AIR UNIT

THOUSAND BOARD FEET

MOMENT CONNECTION

MEDIUM DENSITY FIBERBOARD

MEDIUM DENSITY OVERLAID

MEDICINE CABINET

MACHINE BOLT

MARKER BOARD

MACHINE ROOM

MAINTENANCI

LEVER

LIGHT

LONGITUDINA

LOW PRESSURE

LINEAR FOOT

LEFT HAND

LEFT HAND REVERSE

LONG LEG HORIZONTA

LONG LEG VERTICAL

POUND

KNOCK DOWN

JOIST

JOINT

JUNCTION BOX

INVFR

INLE:

INCANDESCENT

INVERT FLEVATION

INSIDE PIPE SIZE

INTERNATIONAL PIPE STANDARD

INSTANTANEOUS WATER HEATER

ILLUM

INSTL

INSUL

INV EL

IPS

ISO

IWH

JAN

KD

LAD

LAT

LDG

LG

LH

LHR

LKR

LLH

LLV

LOC

LONG

ΙP

ΙP

LS

LT WT

LTG

LUB

LWC

MACH RM

MAINT

MAN

MARB

MATL

MAX

MBD

MDF

MDO

MECH

MED

MEMB

MET

MEZZ

MFGR

MGL

MLDG

MLWK

MOD

MON

MPH

MTD

MTG

MTG

MTR

MTR

MULL

MULT

NCP

NEG

NOM

NPS

NRC

NTS

OFCI

OFOI

OHD

OHWS

OPNG

OPP

OPT

ORD

ORIG

OVFL

PAR

PBD

ОН

NIC

LV

LTG PNL

INCAND

POINT OF CURVE

PLANTER DRAIN

PERFORATED

PERIMETER

PERMANENT

PAINT FINISH

PHASE

PACKAGE

PLASTER

PLATFORM

PLUMBING

PLYWOOD

POLISHED

PORTABLE

POSITIVE

PRECAST

PREFABRICATED

PREFINISHED

PRELIMINARY

PREPARATION

PARKING

PROJECT

PROPERTY

PARTITION

PAVING

POWER

PAVEMENT

QUARRY TILE

QUARTER

QUANTITY

RETURN AIR

RUBBER BASE

ROOF DRAIN

RECIRCULATE

RECEPTACLE

RECEPTIONIST

RECTANGULAR

REFRIGERATOR

REINFORCED/REINFORCING

ROUND HEAD MACHINE SCREW

RIGID PROTECTIVE WALLCOVERING

ROUND HEAD WOOD SCREW

RESILIENT SHEET FLOORING

RESILIENT TILE FLOOR

RAIN WATER LEADER

RAIN WATER CONDUCTOR

RESILIENT WOOD FLOOR

REFERENCE

REFLECTOR

REGISTER

REMOVABLE

REQUIRED

RESILIENT

RETURN

ROOFING

RAILING

ROOM

ROUND

RIGHT HAND

RIM ELEVATION

RELATIVE HUMIDITY

RIGHT HAND REVERSE

ROUGH OPENING

RIGHT OF WAY

ROOM SIGN

SOUTH

SHELF

SUPPLY AIR

SALVAGE

SANITARY

SATURATION

SOLID CORE

SCHEDULE

SECOND

SECTION

SHEATHING

SHEATHING

SIMILAR

SLEEVE

SPACING

SPECIAL

SPRINKLER

SUPPLY

SHEET METAL

SPECIFICATION

SINGLE

SPLASH BLOCK

SHOWER CURTAIN

SOAP DISPENSER

SUPPLY DIFFUSER

SHEET/SHEETING

SHELVES/SHELVING

SHEET METAL SCREW

SANITARY PRODUCTS DISPENSER

SPRAYED FIRE RESISTIVE MATERIAL

SANITARY PRODUCTS WASTE RECEPTACLE

STORM DRAIN

SEAT COVER DISPENSER

SITE DIRECTIONAL SIGN

SUPPLY AIR GRILLE

RECESSED

RECEIVED

RETURN AIR GRILLE

REINFORCED CONCRETE

PREINFORCED CONCRETE PIPE

QUALITY

RADIUS

RUBBER

ROAD

PROJECTION SCREEN

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

PAPER TOWEL DISPENSER

PAPER TOWEL RECEPTACLE

PNUEMATIC TUBE STATION

POLYVINYL CHLORIDE

PANEL

PAINT

PAIR

PLATE

PERPENDICULAR

PLASTIC GLAZING

PHOTOGRAPH

PROPERTY LINE

PLASTIC LAMINAT

PCF

PERF

PERIM

PERP

PFX

PGL

PHS

PKG

PLAS

PLAT

PLBG

PLYWD

PNL

PNT

PORT

POS

PRCST

PREFIN

PRELIM

PREP

PRKG

PROJ

PROP

PSI

PTD

PTN

PTS

PVC

PVG

PVMT

PWR

QTR

QTY

QUAL

RA GR

RAD

RBR

RCF

RD

REC

RECD

RECIRC

RECPT

RECPT

RECT

REFL

REFR

REG

REINF

REM

REQD

RESIL

RET

RHR

RHWS

RLG

RND

ROW

RPW

RSF

RTF

RWC

RWF

SAG

SALV

SAN

SCD

SDS

SEC

SECT

SHTHG

SHTHG

SNK

SPCL

SPEC

SFRM

SPKLR

SPKR

SPLY

SCHED

RM

REF

PR

PORTLAND CEMENT

POUNDS PER CUBIC FOOT

PAINT FINISH - EXTERIOR

PHILLIP HEAD SCREW

POINT OF INTERSECTION

POST INDICATOR VALVE

POUNDS PER LINEAR FOOT

SQUARE

SQ FT

SQ IN

SQ YD

SSNK

SSTL

STA

STC

STD

STIF

STIR

STL

STX

SUH

SUSP

SWHR

SWR

SYM

SYM

SYS

T&B

TBD

TDR

TECH

TEMP

TEMP

TEMP

TERM

THRESH

THK

TOC

TOF

TOP

TOP

TOS

TOT

TOW

TRANS

TRMS

TRWS

UNGND

UNIF

UNO

UTIL

VΒ

VCP

VCTBD

VENT

VERT

VEST

VOL

VTR

W/O

W/W

WD

WID

WSP

WTR

TV

SYNTH

STOR

STRUC

STAG

SQUARE FOOT

SQUARE INCH

SQUARE YARD

SHOWER ROD

SERVICE SINK

STAIN FINISH

STAGGERED

STANDARD

STIFFENER

STORAGE

STRUCTURAL

SUSPENDED

SHOWER

SEWER

SYMBOL

SYSTEM

TREAD

TANGENT

TOWEL BAR

TACKBOARD

THIN BRICK TILE

TOP OF CURB

TRENCH DRAIN

TOP ELEVATION

TECHNICAL

TELEPHONE

TEMPERED

TEMPORARY

TERRAZZO

FERMINAL

THICKNESS

THRESHOLD

TOP OF BEAM

TOP OF CURB

TOLERANCE

TOP OF FOOTING

TOP OF MASONRY

TOP OF PARAPET

TOP OF SHEATHING

TOILET PAPER HOLDER

TAMPER RESISTANT METAL SCREW

TAMPER RESISTANT WOOD SCREW

TOP OF PAVING

TOP OF STEEL

TOP OF WALL

TOP OF PLATE

TUBE STEEL

TELEVISION

TYPICAL

UNDERCUT

UNIFORM

UTILITY

ULTRAVIOLET

VARIABLE AIR VOLUME

VINYL COMPOSITION TILE

VINYL COVERED TACKBOARD

VITRIFIED CLAY PIPE

VACUUM

VALVE BOX

VINYL BASE

VENTILATOR

VERTICAL

VESTIBULE

VIBRATION

VITREOUS

VENEER

VEHICULAR SIGN

VENT THROUGH ROOF

VINYL WALL COVERING

VOLUME

WEST

WITH

WOOD

WIDTH

WATER LINE

WIND LOAD

WORKING POINT

WATER RESISTANT

WET STAND PIPE

WATERPROOFING

TRANSFORMER

WELDED WIRE FABRIC

WASTE RECEPTACLE

WATERPROOF

WAINSCOT

WEIGHT

WATER

YARD

ZINC ALLOY

WINDOW

WIDE FLANGE

WIRE GLASS

WALL HYDRANT

WATER HEATER

WROUGHT IRON

WOODWORK INSTITUTE OF CALIFORNIA

WITHOUT

WALL TO WALL

WATER CLOSET

WALL CLEANOUT

UNFINISHED

UNDERGROUND

UNLESS NOTED OTHERWISE

TRANSPARENT

TOTAL

TEMPERATURE

TOP OF CONCRETE

TOWEL DISPENSER

TOWEL DISPENSER WASTE RECEPTACLE

STONE VENEER

SYMMETRICAL

THERMOSTAT

TOP AND BOTTOM

TONGUE AND GROOVE

TO BE DETERMINED

SYNTHETIC

STAIN FINISH - EXTERIOR

SUSPENDED UNIT HEATER

STIRRUP

STEEL

SOUND TRANSMISSION CLASS

STREET

STATION

STAINLESS STEEL

SANITARY SEWER

DW

ANGLE

ABAN

ABS

ABV

ACOUS

AC PVG

ACP

ACT

ACU

ADDL

ADJ

AFF

AFG

AGGR

ANOD

ARCH

ASPH

BBRG

BEV

BLDG

BLK

BLKG

BLKHD

BLW

BOF

BRG

BUR

C/C

CB

CBD

CCTV

CCW

CEM

CER

CFX

CLG

CLG DIFF

CLG REG

CLG HT

CLO

CLR

CMP

CMU

CO

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COMPL

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CONF

CONN

CONT

CONTR

COORD

CORR

COTG

COV PI

COV

CPT

CR

CSK

CTV

CPVC

CRSTL

CSMNT

CU YD

DEMO

DEPT

DET

DIAG

DIFF

DIV

DUPL

CONSTR

CONC FL

ASSY

ASD

AΡ

ANCHOR BOLT

ACOUSTICAL

ADDITIONAL

ADJUSTABLE

AGGREGATE

AI UMINUM

ALTERNATE

ANODIZED

ASSEMBLY

BALANCE

BETWEEN

BITUMINOUS

BLOCK

BLOCKING

BENCH MARK

BOTTOM

BEARING

BRASS

BASEMENT

BUILT-UP ROOF

CURB AND GUTTER

CENTER TO CENTER

CLOSED CIRCUIT TELEVISION

COUNTER CLOCKWISE

CONSTRUCTION JOINT

CLEAR FINISH COATING

CLEAR FINISH COATING - EXTERIOR

CENTERLINE

CORNER BEAD

CATCHBASIN

CHALKBOARD

CEMENT

CERAMIC

CAST IRON

CAST IRON PIPE

CORNER GUARD

CEILING DIFFUSER

CEILING REGISTER

CORRUGATED METAL PIPE

CONCRETE MASONRY UNIT

CEILING HEIGHT

CENTER LINE

CEILING

CLOSET

CLEANOUT

COLUMN

COMMON

COMBINATION

COMPLETE

CONCRETE

CONFERENCE

CONNECTION

CORRIDOR

COVER PLATE

CONCRETE PAVING

CONTROL PANEL

COVER

CARPET

CRASHRAIL

CONSTRUCTION

CONCRETE FLOOR

CONDENSER/CONDENSATE

CONTINUOUS/CONTINUATION

CHLORINATED POLYVINYL CHLORIDE

CONTRACT/CONTRACTOR

CLEAN OUT TO GRADE

COAT RACK/COAT ROD

COLD ROLLED STEEL

CHANGING STATION

COUNTERSINK

CERAMIC TILE

CUBIC YARD

COLD WATER

DOUBLE ACTING

DRINKING FOUNTAIN

DOUBLE HUNG

DIAGONAL

DIAMETER

DIFFUSER

DIVISION

DEAD LOAD

DIFFERENCE

DIMENSION

DUCTILE IRON PIPE

DIRECTIONAL SIGN

DOWNSPOUT

DUPLICATE

DEMOLITION

DETAIL

CYLINDER

CABLE TELEVISION

CASEMENT

BRICK MASONRY UNIT

BOTTOM OF FOOTING

AUDIO VISUAL

BULLETIN BOARD

BALL BEARING

BACK OF CURB

BUMPER GUARD

ACCESS PANEL

APPROXIMATE

AIR CONDITIONING

ACOUSTICAL PANEL

AIR CONDITIONING UNIT

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

ARCHITECT/ARCHITECTURAL

AUTOMATIC SPRINKLER DRAIN

ACOUSTICAL WALL PANEL

AIR HANDLING UNIT

ACOUSTICAL TILE

ASPHALTIC CONCRETE

ASPHALT CONCRETE PAVING

ACRYLONITRILE BUTADIENE STYRENE

ABANDON

DWG

DWL

DWR

DWV

(E)

ECON

ECU

EHD

ELAST

ELEC

ELEV

EMER

ENAM

ENCL

ENGR

ENTR

EP

EOP

EQ

EQL SP

EQUIP

ES

EST

EW

EWC

EXH

EXIST

EXP

EXT

F/F

FACP

FCO

FCU

FD

FDC

FDN

FEC

FEM

FHC

FHMS

FHWS

FIN

FIXT

FLR

FLR FIN

FLUOR

FOC

FOF

FOM

FOS

FPM

FSD

FSS

FT

FTG

FTG

FURR

FURN

FUT

FWC

GAL

GALV

GLU LAM

GLBM

GLZ

GMU

GND

GOVT

GPH

GPM

GRC

GR BM

GR LN

GRTG

GRV

GSTL

GV

GVL

GVTR

GYP

GBD

HDBD

HDWL

HDWR

HGR

HGT

НО

HTG

HVY

HVAC

HW

HYD

GR

GB

FSTNR

FSPKR

FREQ

EXP JT

EXIST GR

ESMNT

EPDM

DISHWASHER

DRAIN WASTE & VENT

ELASTOMERIC COATING

ELECTRIC HAND DRYER

EVAPORATIVE COOLING UNIT

DRAWING

DOWEL

EACH

EXISTING

ECONOMIZER

EACH FACE

ELEVATION

ELASTOMERIC

ELECTRIC(AL)

EMERGENCY

ENCLOSURE

ENGINEER

ENTRANCE

EQUAL

ELECTRICAL PANEL

EQUALLY SPACED

EQUIPMENT

EACH SIDE

ESTIMATE

EASEMENT

FACH WAY

EXHAUST

EXISTING

EXPANSION

EXTERIOR

EXISTING GRADE

EXPANSION JOIN

FACE TO FACE

FIRE ALARM

FOOTCANDLE

FAN COIL UNIT

FIRE DAMPER

FLOOR DRAIN

FOUNDATION

FEMALE

FINISH

FIXTURE

FIBERGLASS

FIRE HYDRANT

FINISH FLOOR

FINISH GRADE

FLOOR/FLOORING

FACE OF CONCRETE

FACE OF MASONRY

FEET PER MINUTE

FIRE SPRINKLER

FIRE SEPARATION DISTANCE

FOLDING SHOWER SEAT

FABRIC WALL COVERING

FLOOR FINISH

FLUORESCENT

FACE OF FINISH

FACE OF STUD

FREQUENCY

FLOOR SINK

FASTENER

FOOT

FITTING

FOOTING

FURRING

FUTURE

GALLON

FURNITURE

GAGE/GAUGE

GALVANIZED

GALVANIZED IRON

GLUE LAMINATED

GLUE LAMINATED BEAM

GLASS MASONRY UNIT

GALLONS PER HOUR

GALLONS PER MINUTE

GRAFITTI RESISTANT COATING

GRAVITY ROOF VENTILATOR

GAS VENT THROUGH ROOF

HIGH PRESSURE LAMINATE

HEX HEAD WOOD SCREW

GRAB BAR

GLASS

GLAZING

GROUND

GOVERNMENT

GRADE/GRADING

GALVANIZED STEEI

GRAVITY VENT

GYPSUM BOARD

GRADE BEAM

GRADE LINE

GRATING

GRAVEL

GYPSUM

HOSE BIBB

HOLLOW CORE

HOSE CABINET

HARDBOARD

HEADWALL

HARDWARE

HOLLOW META

HOLD-OPEN

HORIZONTAL

HIGH STRENGTH

HIGH STRENGTH BOLT

HEATING, VENTILATION, AIR CONDITIONING

HIGH POINT

HEATING

HEATER

HOT WATER

HYDRANT

HANGER

HEIGHT

HIGH

HEAD

FLASHING

FLOW LINE

FIRE EXTINGUISHER

FIRE HOSE CABINET

FLOOR CLEANOUT

EDGE OF PAVEMENT

ELECTRICAL WATER COOLER

FIRE ALARM CONTROL PANEL

FIRE DEPARTMENT CONNECTION

FIRE EXTINGUISHER CABINET

FLAT HEAD MACHINE SCREW

FLAT HEAD WOOD SCREW

ETHYLENE PROPYLENE DIENE MONOMER

ELEVATOR

ENAMEL

EXPANSION JOIN

DRAWER

RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE PROJECT SITE, TO MEET THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND

HEALTH ADMINISTRATION (OSHA) AND CALIFORNIA OCCUPATIONAL REGULATIONS.

THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. THE CONTRACTOR SHALL BECOME

FULLY INFORMED OF ALL APPLICABLE STANDARDS AND REGULATIONS AND INFORM ALI

PERSONS AND REPRESENTATIVES RESPONSIBLE FOR WORK UNDER THIS CONTRACT.

2. CONFIRM ALL NEW AND EXISTING CONDITIONS WITH THE CONTRACT DOCUMENTS

NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL DISCREPANCIES OR CONFLICTS.

DIRECTION IS GIVEN BY ARCHITECT. IF CONTRACTOR PROCEEDS WITHOUT DIRECTION

FROM ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE

3. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM DRAWINGS. WRITTEN

PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION

IS GIVEN BY ARCHITECT. IF THE CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM

DOCUMENTS BY CONTRACTOR AS DIRECTED BY ARCHITECT AND AT NO ADDITIONAL

5. VISIT JOB SITE PRIOR TO BEGINNING WORK AND VERIFY ALL DIMENSIONS AND

6. SECURE AND PAY FOR ALL PERMITS. GOVERNMENTAL FEES AND LICENSES

REQUIRED BY LOCAL GOVERNMENTAL AGENCIES AND COORDINATE THE WORK

REQUIRED FOR PROPER COMPLETION OF THE WORK. REQUEST ALL INSPECTIONS

7. WHERE WORK OR EQUIPMENT IS INDICATED "N.I.C." (NOT IN CONTRACT) ON THE

CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION.

8. ALL PLAN DIMENSIONS SHOWN AT CENTER OF WALL REPRESENT CENTER LINE OF

DRAWINGS, SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS.

9. ALL PLAN DIMENSIONS FOR MASONRY AND CONCRETE REPRESENT FACE OF

10. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD AT NEW CONSTRUCTION AND

NOTED (+/-) OR "VERIFY". DIMENSIONS NOTED "HOLD" SHALL BE CONSIDERED AS

ABSOLUTE AND USED FOR LAY-OUT CONTROL UNLESS OTHERWISE DIRECTED BY

11. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE REVIEW OF ARCHITECT UNLESS

12. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF SLAB UNLESS NOTED "AFF" (ABOVE

13. "TYPICAL" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL

14. PROVIDE WORK NOT SPECIFICALLY DETAILED OR SPECIFIED IN ACCORDANCE WITH

15. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL

16. ABBREVIATIONS THROUGHOUT THE DOCUMENTS COMPLY WITH DOCUMENT

ABBREVIATION LIST OR ARE THOSE IN COMMON USE. ARCHITECT WILL DEFINE THE

NOTED. WHEN A DETAIL OR NOTE IS IDENTIFIED AS "TYPICAL", CONTRACTOR SHALL

APPLY THIS DETAIL OR NOTE TO EVERY LIKE CONDITION, WHETHER OR NOT THE

REFERENCE IS REPEATED IN EVERY INSTANCE. VERIFY DIMENSIONS AND

FACE OF FINISH AT EXISTING CONSTRUCTION, UNLESS NOTED OTHERWISE.

STUD OR STRUCTURAL ELEMENT UNLESS NOTED OTHERWISE.

MATERIAL AND OPENING UNLESS NOTED OTHERWISE.

DIMENSIONS TAKE PRECEDENCE OVER SCALED GRAPHICS. NOTIFY ARCHITECT

IMMEDIATELY IN WRITING OF ALL ADDITIONAL REQUIRED DIMENSIONS. DO NOT

ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE

4. CORRECT ALL WORK INSTALLED IN CONFLICT WITH THE CONSTRUCTION

DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL

1. DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE SOLE

RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.

RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.

EXPENSE TO THE OWNER.

ORIENTATION ON PLANS.

INTENT OF ANY IN QUESTION.

ARCHITECT AND OWNER.

DETAILS OR SIZES COVERING SIMILAR WORK.

NOTED VERIFY DIMENSIONS AND ORIENTATION ON PLANS.

CONDITIONS.

ACCORDINGLY.

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MURRIETA VALLEY HIGH SCHOOL **AUTO LIFT**

1. PUBLIC WALKS FROM THE BUILDING TO THE PUBLIC WAY AND TO PARKING AREAS DESIGNATED AS ACCESSIBLE SHALL COMPLY WITH CHAPTER 11B, PART 2, TITLE 24, CCR. PROVIDE WALKS A MINIMUM OF 48 INCHES WIDE AND WITH A GRADIENT NOT GREATER THAN 5% (1:20), WITH NO ABRUPT CHANGES GREATER THAN 1/2 INCHES IN THE DIRECTION

2. PROVIDE WALKS WITH LEVEL LANDINGS AT ALL EXTERIOR EXIT DOORS COMPLYING WITH CHAPTERS 10 AND 11B, PART 2, TITLE 24, CCR., WITH NOT LESS THAN 60 INCHES X 60 INCHES IN DIMENSION AND WITH MAXIMUM 2 PERCENT SLOPE.

3. SURFACE CROSS SLOPE GRADIENT SHALL NOT EXCEED 2 PERCENT PER FOOT AT

WALKS AND PATHS WITHIN THE ACCESSIBLE PATH OF TRAVEL.

4. PROVIDE ACCESSIBLE BUILDING ENTRANCES COMPLYING WITH CHAPTERS 10 AND 11B,

5. PROVIDE WARNING CURB, RAILING/GUIDE RAIL OR OTHER PROTECTIVE DEVICE AT ALL ABRUPT CHANGES IN LEVEL, (EXCEPT BETWEEN A WALK/SIDEWALK AND ADJACENT STREET OR DRIVEWAY) COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR. PROVIDE MINIMUM 6 INCH HIGH CURB. WHERE GUARDRAIL OR HANDRAIL IS PROVIDED, NO CURB IS REQUIRED IF GUIDE RAIL IS PROVIDED CENTERED AT 3 INCHES ABOVE SURFACE OF WALKWAY, PLUS OR MINUS 1 INCH. NO CURB IS REQUIRED IF WALKWAY IS 5 PERCENT OR LESS IN GRADIENT OR NO ADJACENT HAZARD EXISTS.

DOOR CONSTRUCTION AND HARDWARE

5 POUNDS FOR EXTERIOR DOORS

SPECIFIED IN DIRECTION OF EGRESS.

PART 2, TITLE 24, CCR., UNLESS SHOWN OTHERWISE.

PROVIDE THE BOTTOM 10 INCHES OF ALL DOORS (EXCEPT AUTOMATIC AND SLIDING DOORS) WITH A SMOOTH UNINTERRUPTED SURFACE PERMITTING THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.

LIMIT DOOR OPERATING FORCE IN COMPLIANCE WITH CHAPTER 11B, PART 2, TITLE 24, CCR. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED THE FOLLOWING:

5 POUNDS FOR INTERIOR DOORS. 15 POUNDS FOR DOORS WITH FIRE RATED LABELS.

PROVIDE DOOR OPENING HARDWARE COMPLYING WITH CHAPTERS 10 AND 11B, PART 2. TITLE 24, CCR. CENTER HAND-ACTIVATED DOOR OPENING HARDWARE BETWEEN 34 INCHES AND 44 INCHES ABOVE THE FLOOR. HAND ACTIVATED LATCHING AND LOCKING DOORS, LOCATED IN THE PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL BE ACCESSIBLE AS

PROVIDE THRESHOLDS COMPLYING WITH CHAPTER 11B, PART 2, TITLE 24, CCR, WITH MAXIMUM TOTAL HEIGHT OF 1/2 INCHES.

FIRE & LIFE SAFETY NOTES

 ALL INTERIOR FINISHES SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 8, PART 2, TITLE 24, CCR. ALL FINISHES SHALL HAVE A FLAME SPREAD RATING OF 75 OR LESS AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH CBC 2016 & ASTM E 84, and SHALL HAVE A CLASS A OR B FLAME SPREAD CLASSIFICATION PER TABLE

MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF ASTM-E-814 AND CBC 2016 AND IN COMPLIANCE

4. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATIONS, INCLUDING CONDUITS AND PIPING, THROUGH FIRE RATED WALL, FLOOR AND CEILING ASSEMBLIES SHALL BE TIGHTLY AND SOLIDLY SEALED WITH FIRESTOPPING COMPLYING WITH CBC 2016 & ASTM E 814 AND THE PROJECT MANUAL. WHERE ITEM PENETRATES AN AREA SEPARATION WALL, THE SECTION PASSING THROUGH THE WALL SURFACE AND THE FIXTURE CONNECTIONS

5. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A-10BC WITHIN A 75 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH

6. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 1-BC FOR ELECTRICAL ROOMS, MECHANICAL ROOMS, ELEVATOR MACHINE ROOMS AND TRASH

7. PROVIDE AN APPROPRIATE NUMBER OF PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 4A-60BC FOR PROTECTION DURING CONSTRUCTION.

8. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PEDESTRIAN

PROTECTION AS REQUIRED BY LOCAL CODE AND SPECIFICATION.

10. DUCT INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS

11. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE, STANDARDS AS DEFINED IN CHAPTER 35 CALIFORNIA BUILDING CODE

2. ALL INSULATION MATERIALS INSTALLED WITHIN ROOF - CEILING ASSEMBLIES, ATTICS, OR WALLS SHALL HAVE A FLAME - SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH CBC 2016 & ASTM E

3. PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A WITH THE PROJECT MANUAL.

THERETO SHALL BE ONLY OF METAL.

9. DO NOT BLOCK EXITS AT ANY TIME.

NORMALLY APPLIED.

AND APPLICABLE NFPA STANDARDS.

OPENINGS. COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT

DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY ARCHITECT. 18. TAKE ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL BUILDING PROCEDURES. NOTIFY OWNER IN ADVANCE OF HVAC. ELECTRICAL OR OTHER BUILDING SYSTEM SHUT-OFFS. MINIMIZE NOISE AND DUST GENERATION TO MAXIMUM EXTENT POSSIBLE. COMPLY WITH REQUIREMENTS AS

17. PROVIDE FOR THE PROPER SEQUENCE OF CONSTRUCTION, LOCATION AND SIZE OF

SPECIFIED IN PROJECT MANUAL. 19. REMOVE ALL TRASH AND DEBRIS DAILY. DO NOT STORE BUILDING MATERIALS IN CORRIDORS AT ANY TIME. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT

20. PERFORM ALL CUTTING, PATCHING, AND FINISHING NECESSARY TO RESTORE THE BUILDING AND SITE TO ORIGINAL CONDITION OF ALL EXISTING PORTIONS OF THE BUILDING AND SITE AFFECTED BY CONTRACTORS WORK, TO THE SATISFACTION OF

21. VERIFY POINTS OF CONNECTION, INCLUDING SIZES AND LOCATIONS, AND ALL OTHER REQUIRED OPERATING CRITERIA WITH EQUIPMENT MANUFACTURER.

22. COORDINATE THE LOCATION AND TYPE OF ALL ACCESS PANELS REQUIRED FOR ACCESSING MECHANICAL, PLUMBING, ELECTRICAL AND OTHER BUILDING SYSTEMS

23. CONTRACTOR SHALL INSURE ALL CONSTRUCTION SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED BY THE INSPECTOR OF RECORD. FOR CONTINUOUS INSPECTION, TESTING, AND OBSERVATION REQUIREMENTS, REFER TO THE TESTING AND OBSERVATION PROGRAM.

24. PROTECTION DURING WELDING: CONFORM TO TITLE 8, C.C.R. FURTHER PROTECT OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION OR EQUIVALENT. SEE C.F.C. FOR REQUIREMENTS FOR ON SITE WELDING.

25. SEE CFC CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.

26. VERIFY DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS, EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION, AND ARE NOT GUARANTEED TO BE ACCURATE.

27. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.

28. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION OR PER COMMON INDUSTRY PRACTICE IF THERE ARE NO LIKE CASES.

29. CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

30. CONTRACTOR TO COOPERATE WITH OWNER PROVIDED TESTING LAB TO OBTAIN TEST SAMPLES. THE INSPECTOR FOR AGENCY HAVING JURISDICTION SHALL HAVE FULL ACCESS TO THE WORK AT ALL TIMES.

31. CONTRACTOR'S SAFETY BARRICADE (TEMPORARY FENCING) SHALL PROTECT PUBLIC FROM CONSTRUCTION ACTIVITIES. THE SAFETY BARRICADE SHALL PROTECT AND SECURE THE CONSTRUCTION AREA. TEMPORARY FENCING SHALL ALSO BE PROVIDED TO PROTECT AND SECURE STORAGE YARDS. EXACT LOCATION OF SAFETY BARRICADE AND OTHER TEMPORARY FENCING SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.

32. PENETRATIONS OF ANY KIND, INCLUDING THOSE REQUIRING CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH EXISTING OR NEW STRUCTURAL ELEMENTS IS NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED BY THE OWNER AND THE D.S.A. FIELD ENGINEER, IF DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS.

33. CONTACT UNDERGROUND UTILITY SERVICE TO CHECK PUBLIC UTILITIES PRIOR TO STREET WORK. LOCATE ON-SITE UTILITIES BY POTHOLING OR OBTAIN AND PAY FOR THE SERVICES OF A UTILITY LOCATOR.

34. WHERE CONFLICTS OCCUR IN THE DOCUMENTS, BID THE MORE EXPENSIVE ITEM.

FILE NUMBER: 33-H18 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITEC APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE <u>05/02/2017</u>



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GENERAL NOTES

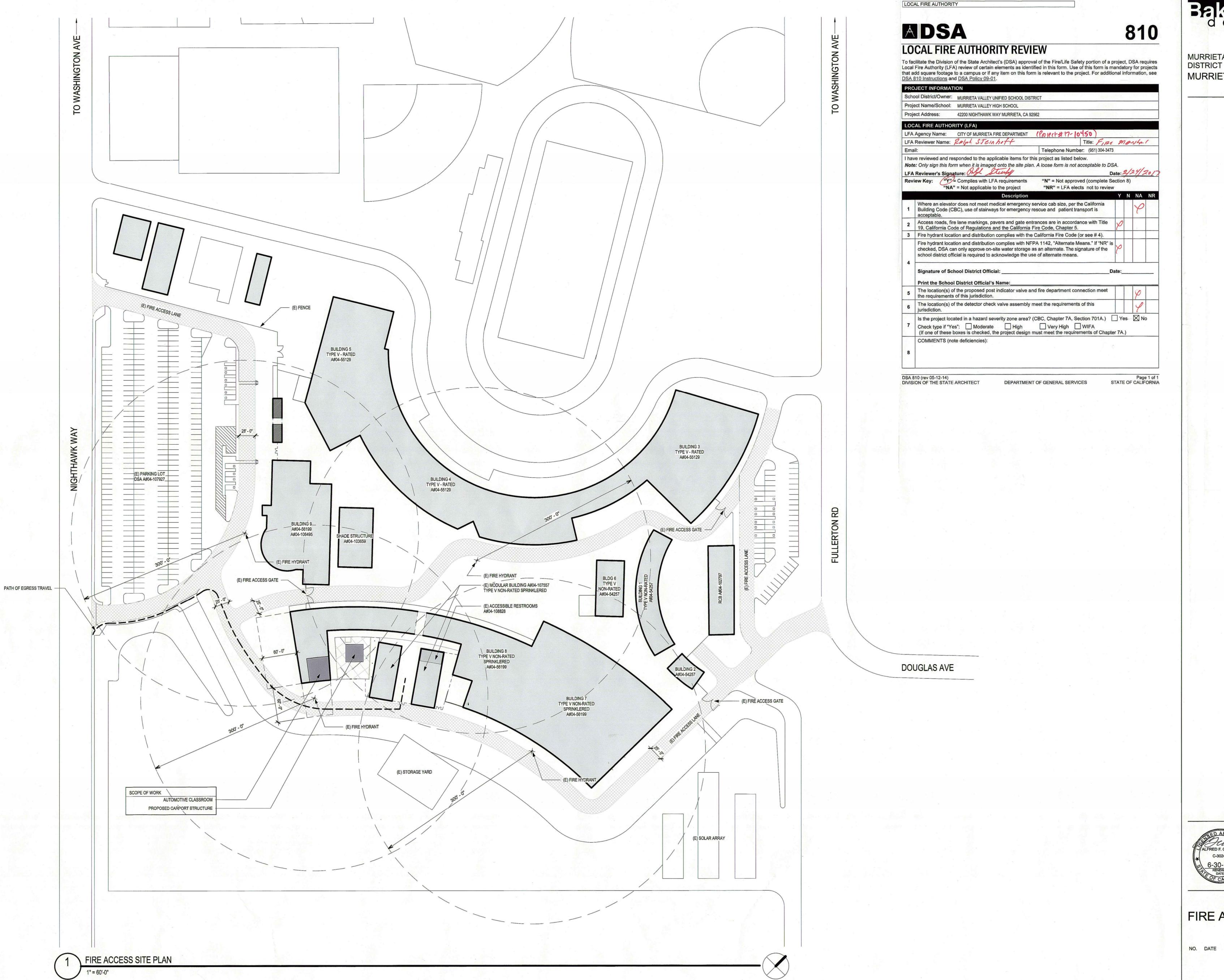
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PROJECT NO:

G3.0

5/2/2017 DATE:

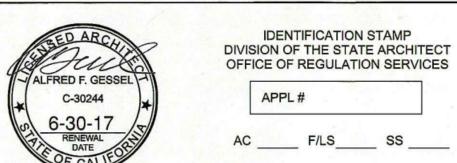


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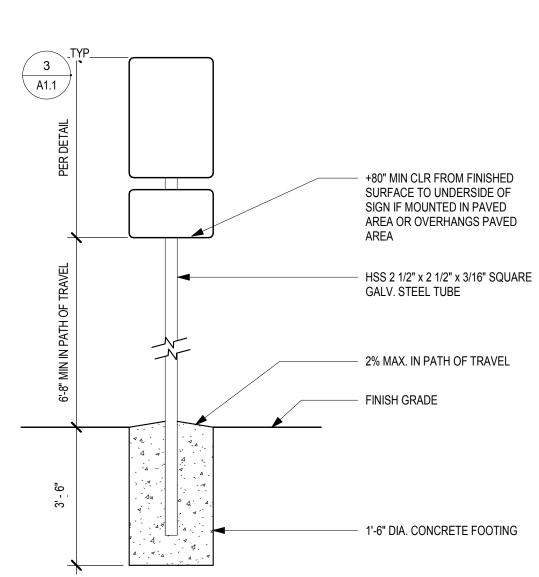


OFFICE OF REGULATION SERVICES AC ____ F/LS___ SS ____

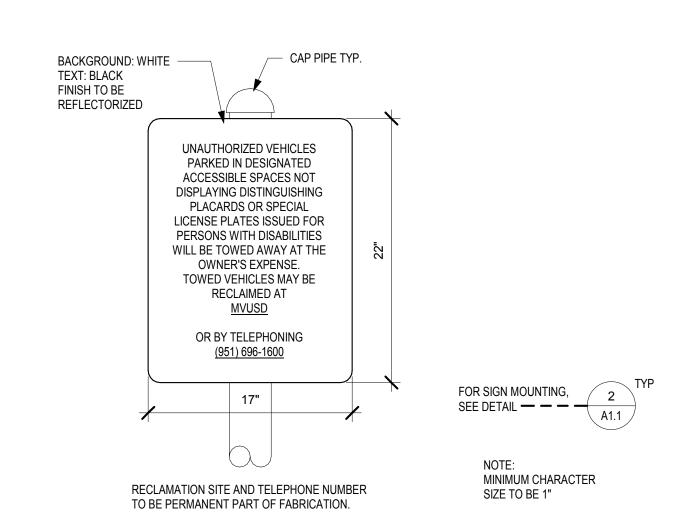
FIRE ACCESS SITE PLAN

DATE:

G4.0







VEHICLE CONTROL SIGNAGE
1 1/2" = 1'-0"

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MURRIETA VALLEY UNIFIED SCHOOL DISTRICT MURRIETA VALLEY HIGH SCHOOL

ACCESSIBILTY NOTES

AUTO LIFT

STATEMENT: THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOP OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS, ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRETED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OR UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THE PROJECT BY MEANS FO A CONSTRUCTION CHANGE DOCUMENT.

1. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

2. PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS COMPLYING WITH THE FOLLOWING: CHANGES IN LEVEL UP TO 1/4" MAX. SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT (11B-303.2). CHANGES IN LEVEL BTWEEN 1/4" AND 1/2" MAX. SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2 (11B-303.3). SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT (11B-302.1). THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 AND THE CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48(11B-403.3). THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 48" (WITH EXCEPTIONS) (11B-403.5.1). OBJECTS WITH LEADING EDGES MORE THAN 27" AND NOT MORE THAN 80" ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY IN THE THE CIRCULATION PATH (11B-307.2). CONTRACTOR AND ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC

3. FOR GRATINGS OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY OR IN P.O.T., THE MAXIMUM GRATE OR STRAINER OPENINGS SHALL NOT EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW.

4. MANEUVERING CLEARANCES AREA AT ALL ACCESSIBLE GATES SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTIONS WITHIN DASHED BOUNDARY, PER CBC FIG. 11B-404.2.4.1.

LEGEND

ACCESSIBLE PATH OF TRAVEL (P.O.T.) 4'-0" WIDE MIN. CONCRETE OR A.C. PAVED.

— PATH OF EGRESS TRAVEL (P.O.T.) TO PUBLIC WAY. 4'-0" WIDE MIN CONCRETE OR A.C. PAVED

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

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AC SL FLS JA SS DW

DATE 05/02/2017



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DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

APPL # 04-115995

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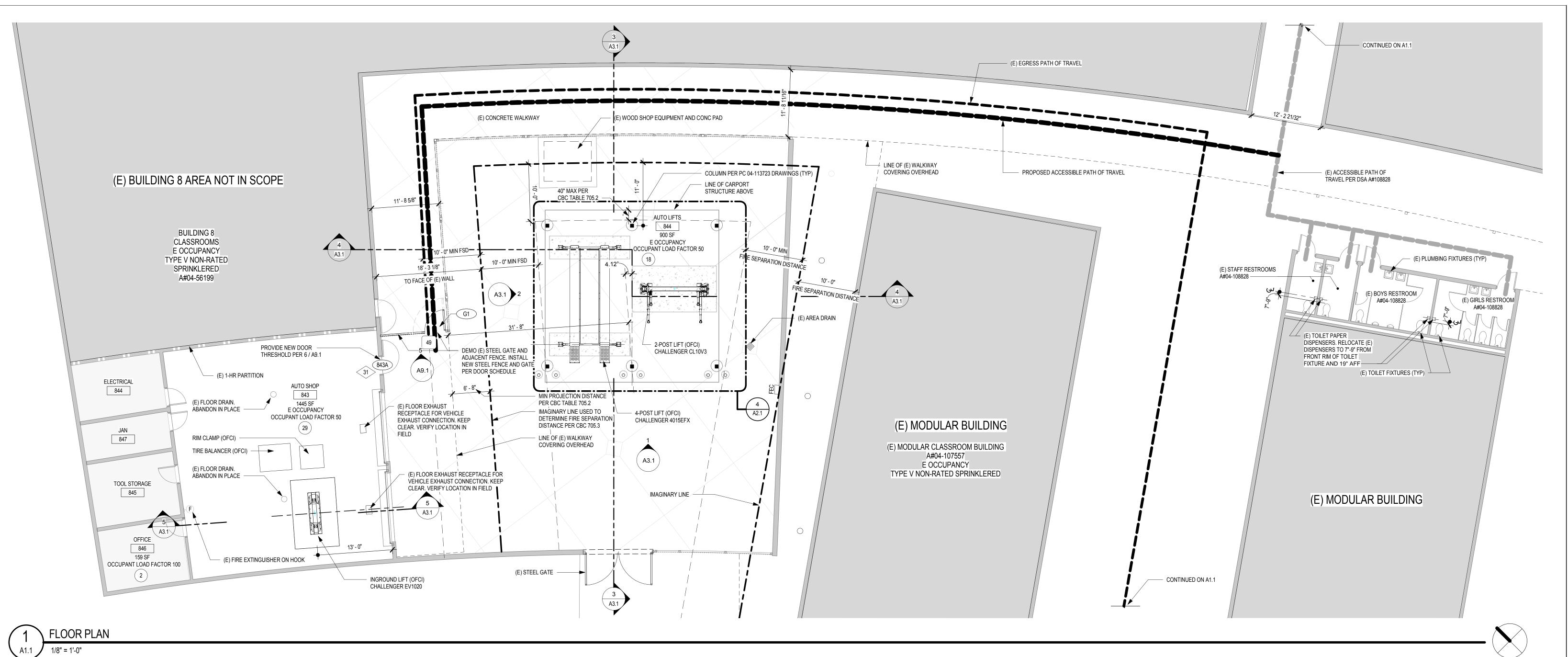
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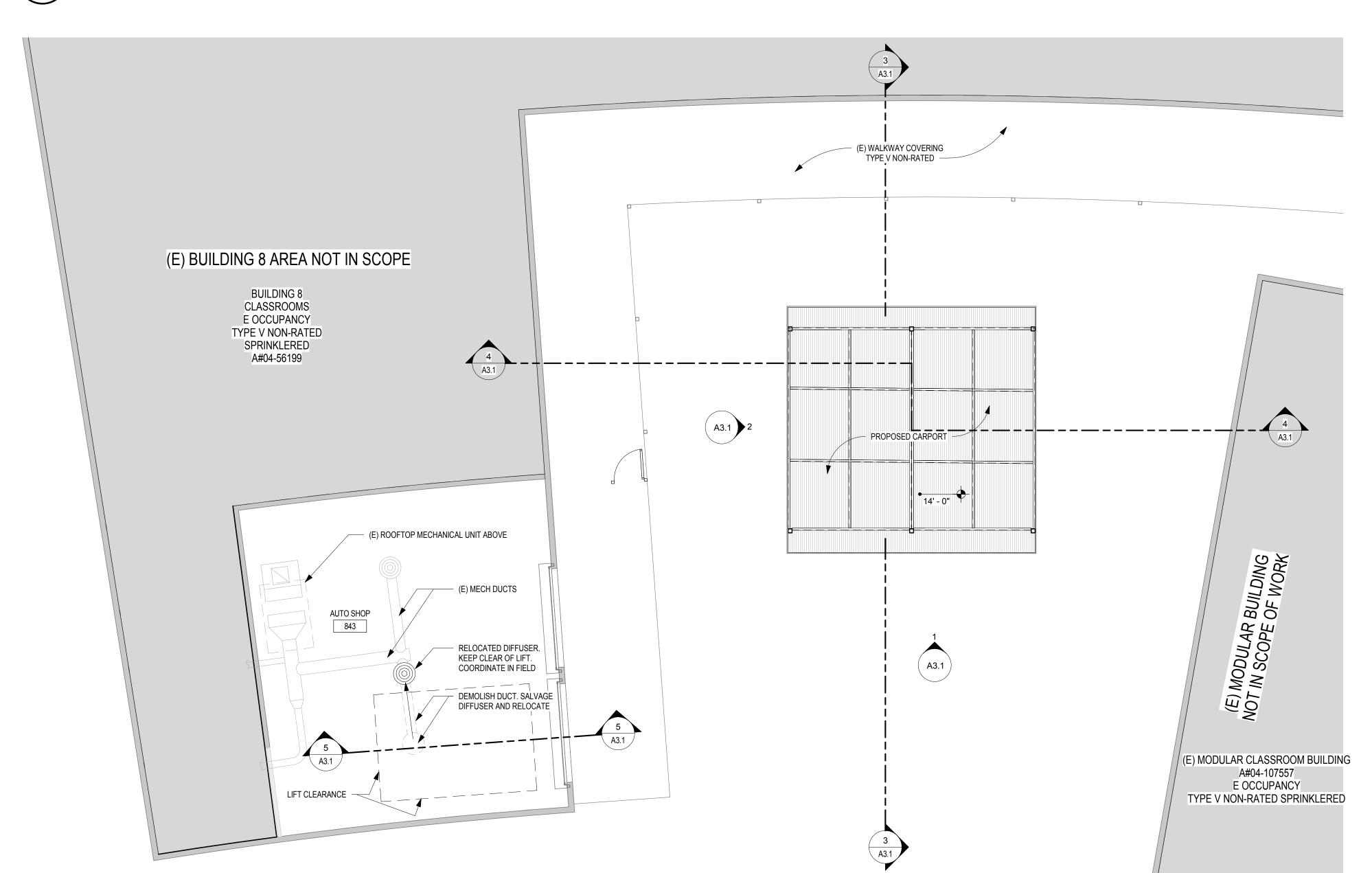
OVERALL SITE PLAN

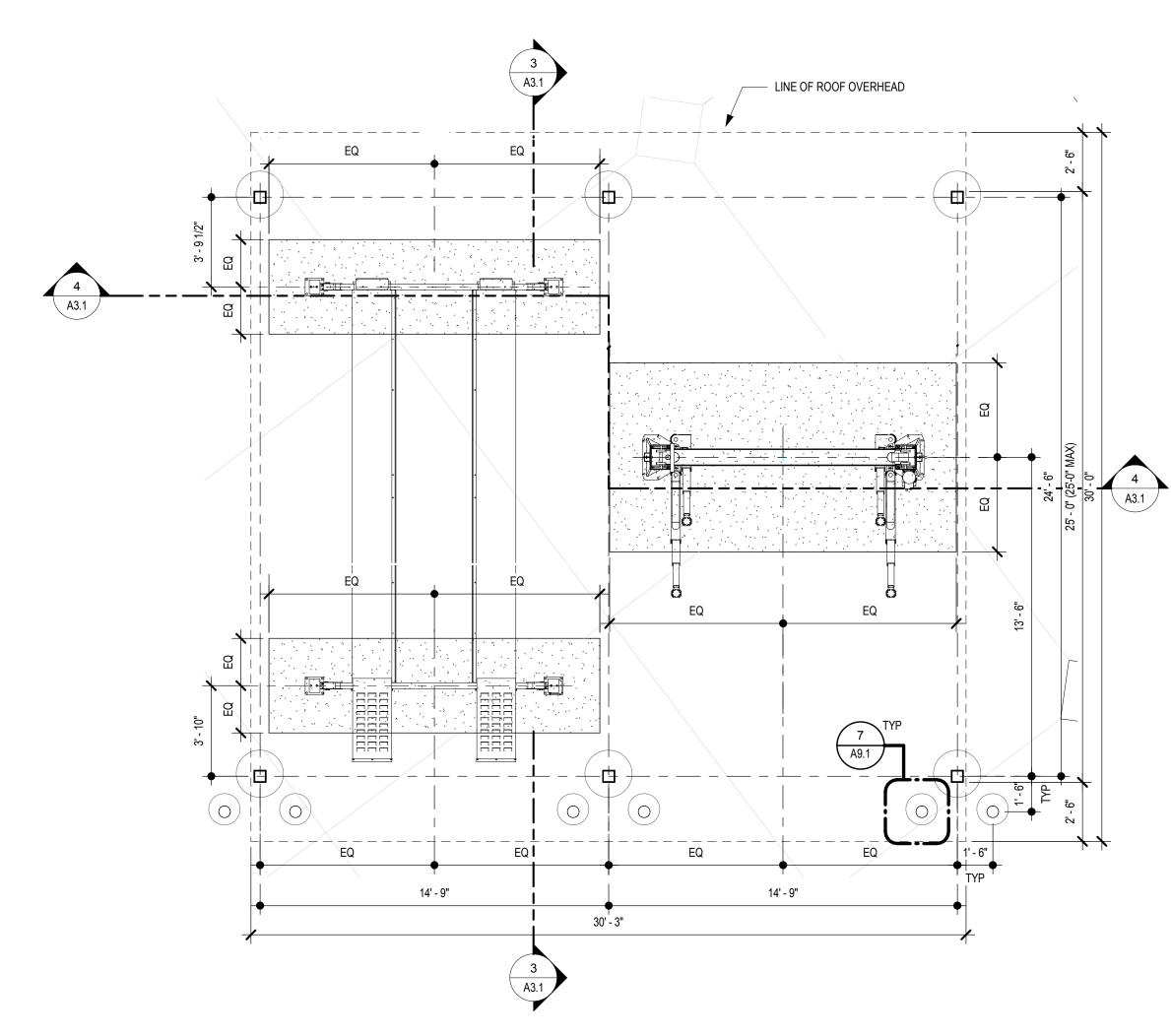
NO. DATE ISSUE

PROJECT NO: 13013-00 DATE: 5/2/2017

DRAWING A1.1



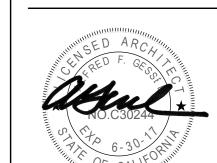




731 Ninth Avenue, Suite A, San Diego, California 92101 www.bndesignstudio.com MURRIETA VALLEY UNIFIED SCHOOL MURRIETA VALLEY HIGH SCHOOL **AUTO LIFT** KEYNOTES GENERAL NOTES FLOOR PLAN LEGEND ACCESSIBLE PATH OF TRAVEL (P.O.T.) 4'-0" WIDE MIN. CONCRETE OR A.C. PAVED. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON MATERIAL, SLOPES AND ELEVATIONS. PATH OF EGRESS TRAVEL. 4'-0" WIDE MIN. DISCHARGE TO PUBLIC WAY. BUILDING OCCUPANCY CUMULATIVE OCCUPANCY EXITING OCCUPANTS FIRE EXTINGUISHER ON HOOK SURFACE-MOUNTED FIRE EXTINGUISHER CABINET SEE 10/A9.1 FOR MOUNTING HEIGHTS -104413 & 104416 DOOR/GATE NUMBER - SEE A9.1 FOR SCHEDULE CEILING LEGEND EXPOSED METAL DECK FILE NUMBER: 33-H18 IDENTIFICATION STAMP

DIVISION OF THE STATE ARCHITECT APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW

DATE <u>05/02/2017</u>



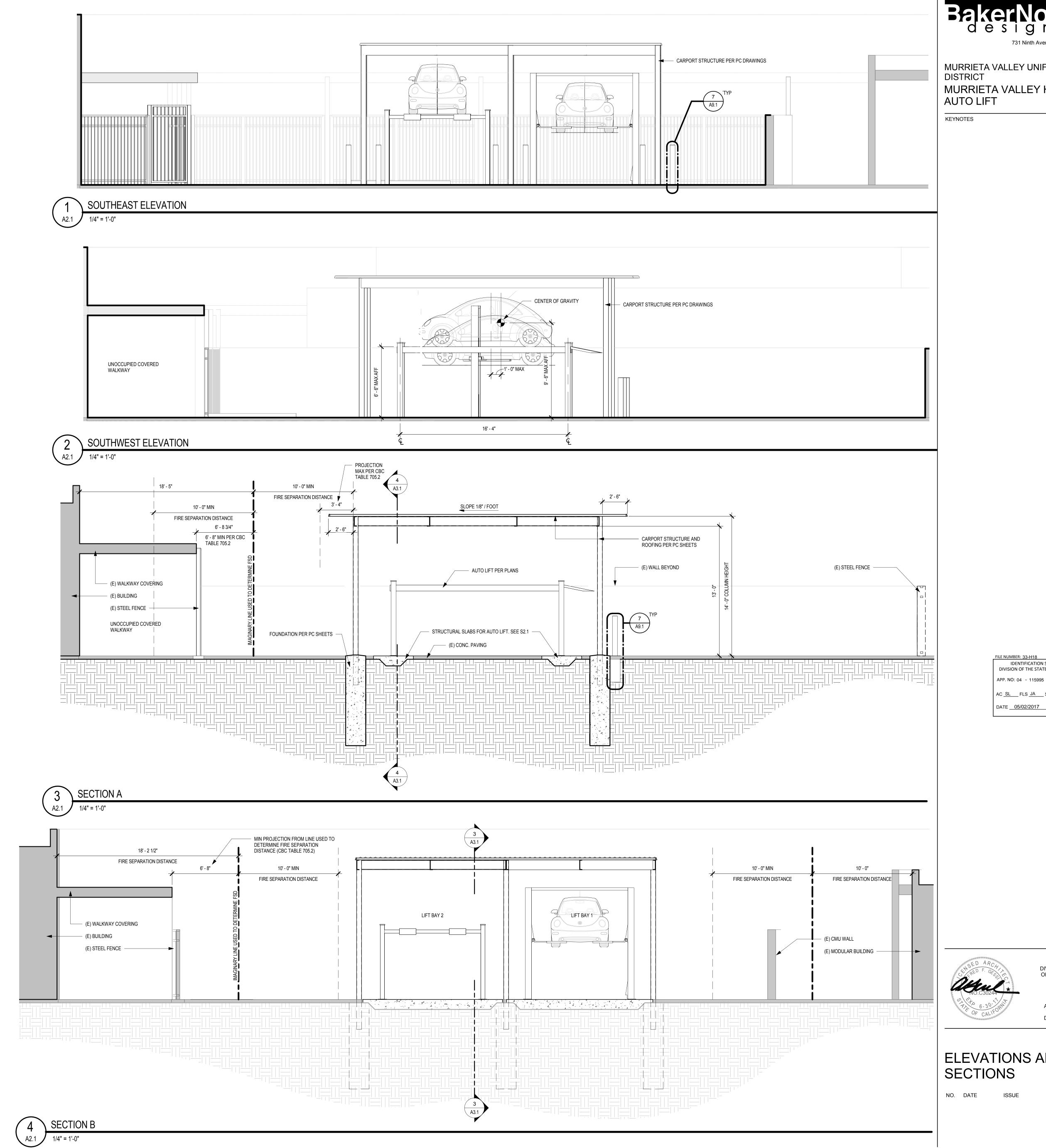
IDENTIFICATION STAMP OFFICE OF REGULATION SERVICES APPL# **04-115995**

AC _____ F/LS____ SS ____

BUILDING ID FLOOR CEILING AND ENLARGED PLANS

NO. DATE

PROJECT NO: DATE: 5/2/2017



AUTO SHOP 843

AUTO LIFT PER MANUFACTURER

CONCRETE SLAB PER STRUCTURAL DRAWINGS

(E) EXHAUST RECEPTACLE -

(E) CONCRETE SLAB

CENTER OF GRAVITY -

(E) CONCRETE SLAB

5 SECTION C

A2.1 1/4" = 1'-0"

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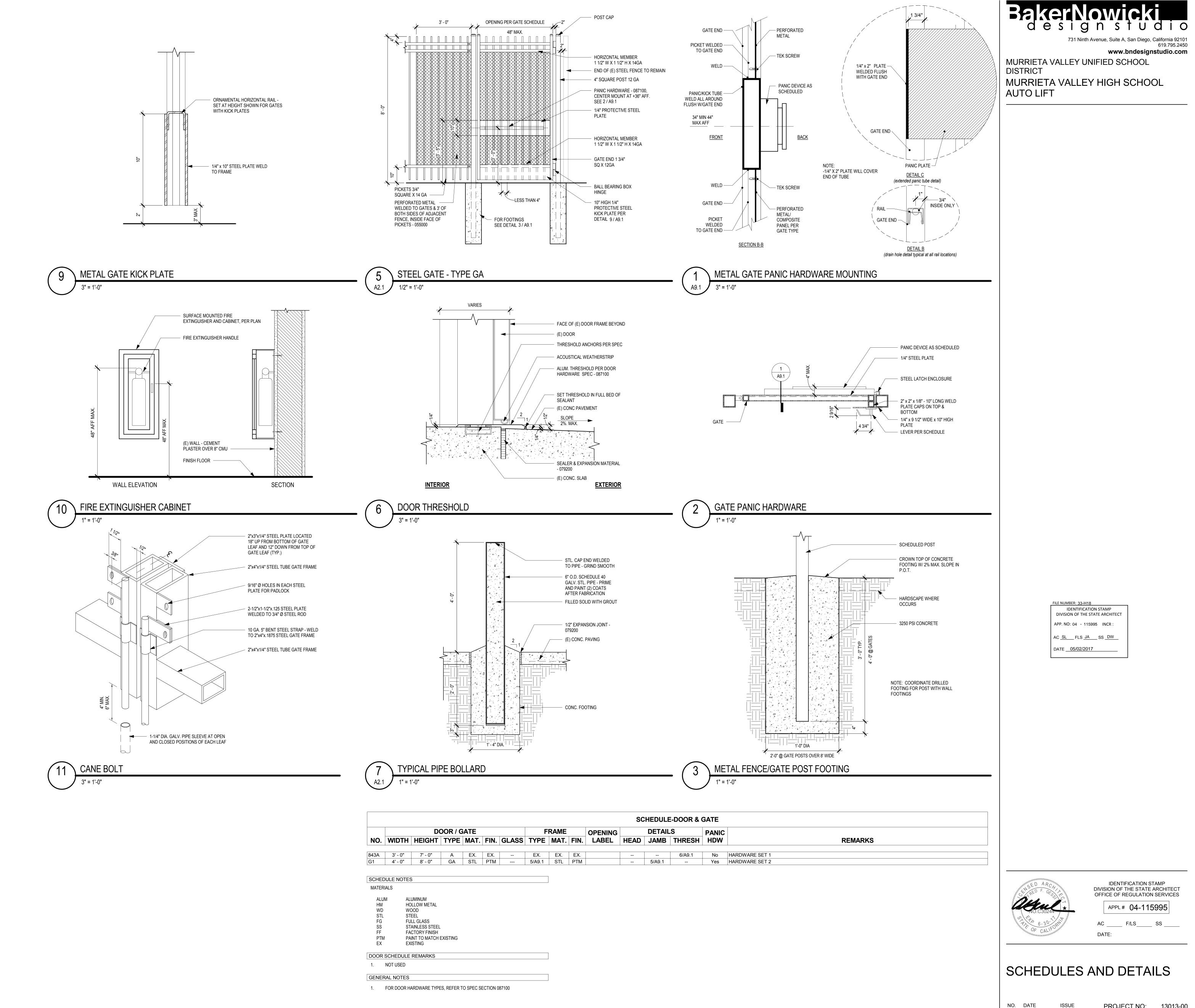
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AC _____ F/LS____ SS ____

ELEVATIONS AND

5/2/2017 DATE:

A3.1



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PROJECT NO: 13013-00
DATE: 5/2/2017

DRAWING

A 9.1

GENERAL

- 1. THESE STRUCTURAL DRAWINGS AND SPECIFICATIONS, INCLUDING ANY ADDENDA (COLLECTIVELY "THE PLANS") INCORPORATE ALL LEGAL AND INDUSTRY REQUIREMENTS AND STANDARDS INCLUDING WITHOUT LIMITATION THE FOLLOWING:
- THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 1 (CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE), 2013 EDITION.
- THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CALIFORNIA BUILDING CODE), 2013 EDITION.
- OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
- THE FUNCTIONALITY STANDARDS SET FORTH IN TITLE 7 OF THE CALIFORNIA CIVIL CODE (THE "RIGHT TO REPAIR ACT").
- THE MANUFACTURER'S REQUIREMENTS OR RECOMMENDATIONS FOR ANY INCORPORATED PRODUCTS.
- THE MOST CURRENT APPROVED ISSUES OF ANY NOTED SPECIFICATIONS, CODES AND STANDARDS, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.
- 2. THE PLANS REPRESENT ONLY THE FINISHED STRUCTURE, AND THEY ARE NOT INTENDED TO INDICATE OR REQUIRE ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES. IN PARTICULAR AND WITHOUT LIMITATION, THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ANY AND ALL EXCAVATION, DEMOLITION, SHORING AND ERECTION PROCEDURES AND FOR ANY AND ALL SAFETY PROGRAMS AND PRECAUTIONS.
- 3. IN USING THE PLANS FOR BIDDING OR CONSTRUCTION PURPOSES, THE CONTRACTOR IS REQUIRED TO REVIEW ALL OF THE PROJECT'S CONSTRUCTION DOCUMENTS AS A WHOLE IN ORDER TO IDENTIFY ALL REQUIREMENTS THAT DIRECTLY OR INDIRECTLY AFFECT ITS PORTION OF THE STRUCTURAL WORK, EVEN REQUIREMENTS LOCATED IN SECTIONS DESIGNATED AS APPLICABLE TO OTHER TRADES. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL EITHER OBTAIN DIRECTION FROM AN APPROPRIATE OWNER REPRESENTATIVE OR OTHERWISE APPLY THE MORE STRINGENT REQUIREMENT.
- 4. IN INTERPRETING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
- WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.
- SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- WORK NOT PARTICULARLY SHOWN OR SPECIFIED SHALL BE THE SAME AS SIMILAR PARTS THAT ARE SHOWN OR SPECIFIED.
- SCALED DIMENSIONS AND GRAPHICALLY SHOWN LOCATIONS ARE TO BE CONSIDERED ONLY APPROXIMATE.
- 5. IN IMPLEMENTING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
- BECAUSE THE PLANS ARE INTENDED TO SET FORTH THE REQUIREMENTS FOR CONSTRUCTION IN ONLY AN INDUSTRY—STANDARD LEVEL OF QUALITY AND DETAIL, AND THEREFORE ARE INTENDED TO BE SUPPLEMENTED BY APPROPRIATE REQUESTS FOR CLARIFICATION AND INFORMATION, ERRORS AND OMISSIONS ARE TO BE EXPECTED AND ANTICIPATED; AND THE CONTRACTOR IS REQUIRED TO CAREFULLY REVIEW THE PLANS FOR ERRORS AND OMISSIONS AND TO BRING THESE ERRORS AND OMISSIONS TO THE ATTENTION OF AN APPROPRIATE OWNER REPRESENTATIVE IN A TIMELY MANNER AND ASSUMES THE RISK OF THE CONSEQUENCES OF FAILING TO DO SO BEFORE BIDDING OR OTHERWISE PROCEEDING.
- THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION, AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.
- 6. SUBMITTALS WILL BE REVIEWED BY THE STRUCTURAL ENGINEER, IF AT ALL, ONLY PURSUANT TO THE INDUSTRY—STANDARD PROTOCOL SET FORTH IN AIA DOCUMENT A201, AND IN NO EVENT WILL THE SUBMITTAL REVIEW PROCESS RELIEVE OR LESSEN THE SUBMITTING CONTRACTOR'S RESPONSIBILITY FOR AN INAPPROPRIATE SUBMITTAL.
- 7. IN NO EVENT WILL ANY SITE VISITS BY THE STRUCTURAL ENGINEER CONCERN CONSTRUCTION MEANS AND METHODS OR CONSTRUCTION SAFETY, AND ALL SUCH MATTERS SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 8. COPIES OF THE PLANS PROVIDED IN ANY ELECTRONIC FORM ARE SUBJECT TO THE SAME PROVISIONS AS THE OTHER INSTRUMENTS OF SERVICE PREPARED BY OR ON BEHALF OF STRUCTURAL ENGINEER FOR THE PROJECT, INCLUDING WITHOUT LIMITATION THE ENGINEER'S COMMON LAW, STATUTORY OR OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. A RECIPIENT IS GRANTED AT MOST A TRANSFERABLE NONEXCLUSIVE LICENSE TO REUSE THE PLANS SOLELY FOR PROJECT PURPOSES; AND NO RECIPIENT IS AUTHORIZED TO USE OR TO ALLOW THE USE OF ALL OR ANY PORTION OF THESE PLANS FOR ANY OTHER PURPOSE, AND ANY USE FOR ANY OTHER PURPOSE WOULD CONSTITUTE ACTIONABLE PLAGIARISM. STRUCTURAL ENGINEER PROVIDES DOCUMENTS IN AN ELECTRONIC FORM ONLY IN ITS STANDARD FORMATS AND CONVENTIONS AND WITH NO GUARANTEE OF COMPATIBILITY WITH ANY RECIPIENT'S SOFTWARE OR HARDWARE, AND ANY USE WITH OR CONVERSION TO OTHER FORMATS OR CONVENTIONS, OR THE USE WITH ANY PARTICULAR SOFTWARE OR HARDWARE, IS AT THE RECIPIENT'S SOLE RISK.

PROJECT DESIGN CRITERIA

1. EARTHQUAKE LOADS

SEISMIC DESIGN CRITERIA

 $S_S = 2.043$ $S_1 = 0.822$ SITE CLASS: D

 $F_A = 1.0$ $F_V = 1.5$ $S_{DS} = 1.362$ $S_{D1} = 0.822$

RISK CATEGORY: III
SEISMIC DESIGN CATEGORY: D

SEISMIC DESIGN REQUIREMENTS

SEISMIC DESIGN FORCE

 $F = [(0.4a_pS_{DS}W_D)(1+2\frac{7}{h})]/(R_p/I_p)$ WHERE:

 $a_p = 2.5$ $\frac{1}{2} = 0$

DIMENSIONS

1. DIMENSIONS SHALL BE DEFINED TO INCLUDE BOTH HORIZONTAL DIMENSIONS AND VERTICAL DIMENSIONS (ELEVATIONS).

 $R_{\rm P} = 2.5$

 $I_{\rm P} = 1.0$

- 2. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.
- 3. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT NOTED ON STRUCTURAL DRAWINGS.
- 4. SEE ARCHITECTURAL AND/OR CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
- 5. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.

SUBMITTALS

- 1. SUBMITTALS, INCLUDING SHOP DRAWINGS AND CONCRETE MIX DESIGNS, REQUIRED BY THE SPECIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THE ITEMS.
- 2. A SCHEDULE FOR SUBMITTAL OF SHOP DRAWINGS SHALL BE PREPARED BY THE GENERAL CONTRACTOR AND REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO THE START OF FABRICATION. THE SCHEDULE SHALL PROPORTION THE QUANTITY OF SHOP DRAWINGS TO BE REVIEWED IN EACH SUBMITTAL TO ALLOW SUFFICIENT TIME, AS DEEMED REASONABLE IN THE PROFESSIONAL JUDGEMENT OF THE ARCHITECT AND STRUCTURAL ENGINEER, TO PERMIT ADEQUATE REVIEW.
- 3. SHOP DRAWINGS SHALL INDICATE THE DATE OR REVISION OF DRAWING(S) FROM WHICH THE DRAWINGS WERE PREPARED. SUBMITTALS THAT DO NOT IDENTIFY THE LATEST DATE OR REVISION OF DRAWING(S) WILL BE RETURNED WITHOUT REVIEW. ONLY SHOP DRAWINGS THAT ARE COMPLETE WILL BE ACCEPTED FOR REVIEW.
- 4. IF, AFTER REVIEW, THE SHOP DRAWINGS MUST BE REVISED AND RESUBMITTED, THE SHOP DRAWINGS SHALL IDENTIFY EACH REVISION AND/OR ADDITION BY CLOUDING OR OTHER MEANS TO ASSURE PROPER REVIEW.
- 5. SUBMITTALS WILL NOT BE ACCEPTED DIRECTLY FROM SUBCONTRACTORS. SUBMITTALS WILL BE ACCEPTED FROM THE GENERAL CONTRACTOR ONLY AFTER BEING REVIEWED AND SIGNED BY THE GENERAL CONTRACTOR, INDICATING COMPLIANCE WITH THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. SUBMITTALS NOT COMPLYING WITH THE REQUIREMENTS NOTED ABOVE OR IN THE SPECIFICATIONS WILL BE RETURNED WITHOUT REVIEW.

EXISTING CONDITIONS

- ALL INFORMATION SHOWN ON THE PLANS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE FROM PLANS SUPPLIED BY THE OWNER, BUT WITHOUT GUARANTEE OF ACCURACY.
- WHERE ACTUAL CONDITIONS ARE NOT IN ACCORDANCE WITH THE INFORMATION PRESENTED, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY. NO MODIFICATIONS OF THE PLANS FOR NEW CONSTRUCTION SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.

EXISTING UNDERGROUND UTILITIES

- 1. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS. THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS, IF ANY, IS APPROXIMATE. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THE SITE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.

CONCRETE

- 1. ALL PORTIONS OF WORK PERTAINING TO CONCRETE CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A.
- 2. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY. MIX DESIGNS SHALL CONFORM TO ACI 318, CHAPTER 5, SEC.1903A, & SEC.1904A. MIX DESIGNS SHALL INCORPORATE THE FOLLOWING CRITERIA:
- MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. MAXIMUM OF 7 SACKS OF CEMENT PER YARD OF CONCRETE.

MAXIMUM WATER/CEMENT RATIO (BY WEIGHT) OF CONCRETE IN CONTACT WITH

SOIL SHALL BE 0.45.
 MAXIMUM SLUMP SHALL NOT EXCEED 3" ± 1" FOR FOOTINGS, SLABS ON GRADE, AND MASS CONCRETE; AND 4" ± 1" FOR OTHER CONCRETE. SLUMP LIMITATIONS NOTED SHALL APPLY TO CONCRETE MIX PRIOR TO THE ADDITION

OF ANY WATER-REDUCING ADMIXTURES OR SUPER-PLASTICIZERS.

- ADMIXTURES SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA) PRIOR TO USE. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CHLORIDE(S) SHALL NOT BE USED.
- 3. SCHEDULE OF STRUCTURAL CONCRETE 28 DAY MINIMUM STRENGTHS AND TYPES:
- FOOTINGS, SLABS ON GRADE 145 PCF, f'c = 4500 PSI
 ELSEWHERE UNLESS NOTED 145 PCF, f'c = 4500 PSI
- 4. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II. CEMENT USED

FOR CONCRETE IN CONTACT WITH SOIL SHALL CONFORM TO ASTM C-150, TYPE V.

- 5. AGGREGATE FOR NORMALWEIGHT CONCRETE SHALL CONFORM TO ASTM C-33. COMBINED AGGREGATE GRADATION OF $\frac{3}{8}$ " MAXIMUM (PEA GRAVEL) SHALL NOT BE
- 6. READY MIXED CONCRETE SHALL CONFORM TO ASTM C-94.
- 7. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 304. CLEAN AND ROUGHEN TO $\frac{1}{4}$ " AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.
- 8. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- 9. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER, IN ADVANCE, OF CONDITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- 10. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
- 11. CONDUITS OR PIPES SHALL NOT BE EMBEDDED WITHIN A SLAB, WALL, BEAM, OR COLUMN, UNLESS SPECIFICALLY DETAILED.
- 12. CONCRETE FOR SLAB ON GRADE DOES NOT REQUIRE BATCH PLANT INSPECTION.
 A MINIMUM OF ONE SET OF CYLINDERS SHALL BE TAKEN AND TESTED FOR EACH
 50 CUBIC YARDS OF CONCRETE OR FRACTION THEREOF.

REINFORCING STEEL

- 1. ALL PORTIONS OF WORK PERTAINING TO FABRICATION AND PLACEMENT OF REINFORCING STEEL SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A.
- 2. REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60, EXCEPT #3 BARS MAY BE GRADE 40. REINFORCING BARS THAT ARE TO BE WELDED SHALL CONFORM TO ASTM A-706, GRADE 60.
- 3. ALL REINFORCING BAR BENDS SHALL BE MADE COLD. ALL #5 OR LARGER REINFORCING BARS SHALL NOT BE RE—BENT.
- 4. FUSION WELDED REINFORCING STEEL ASSEMBLIES ARE NOT PERMITTED.

CONFORM TO TITLE 24, PART 2, CHAPTER 22A.

STRUCTURAL STEEL AND MISCELLANEOUS METAL

- ALL PORTIONS OF WORK PERTAINING TO STRUCTURAL STEEL CONSTRUCTION SHALL
- 2. CHANNELS, ANGLES AND PLATES SHALL CONFORM TO ASTM A-36, UNLESS NOTED
- 3. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 4. ALL WELDING SHALL CONFORM TO THE STRUCTURAL WELDING CODE STEEL, AWS D1.1 AND SUPPLEMENT AWS D1.8, BY THE AMERICAN WELDING SOCIETY. WELDING RODS SHALL BE E70XX.
- 5. THE FILLER METAL FOR ALL WELDING SHALL HAVE A NOTCH TOUGHNESS OF NOT LESS THAN 20 FT-LBS AT 0 DEGREES F, AS MEASURED BY A STANDARD CHARPY V-NOTCH TEST, ASTM E23, IN ACCORDANCE WITH THE APPLICABLE FILLER METAL SPECIFICATION REFERENCED IN AWS D1.1 AND SEISMIC SUPPLEMENT AWS D1.8.
- 6. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.
- 7. ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS. SIZE OF WELDS SHALL BE BASED ON AWS D1.1 FOR THICKER PART JOINED.
- 8. BOLT HOLES SHALL BE 1/6" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNLESS NOTED OTHERWISE.
- 9. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL ITEMS, INCLUDING CONNECTORS, EXPOSED TO THE WEATHER SHALL BE HOT—DIPPED GALVANIZED, AFTER FABRICATION.
- 10. STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC.
- 11. OPENINGS SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED.

POST-INSTALLED ANCHORS

- 1. ACCEPTABLE EQUIVALENT MANUFACTURERS OF POST-INSTALLED EXPANSION ANCHORS AND SCREW ANCHORS SHALL BE HILTI INC., SIMPSON STRONG-TIE COMPANY INC., OR DEWALT, UNO.
- 2. TESTS FOR POST-INSTALLED ANCHORS IN HARDENED CONCRETE SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A, SECTION 1913A.7.
- TO TITLE 24, PART 2, CHAPTER 19A, SECTION 1913A.7.

 3. POST-INSTALLED ANCHOR INSTALLATION SHALL BE INSPECTED BY A SPECIAL

INSPECTOR SPECIFICALLY APPROVED BY THE ENFORCEMENT AGENCY FOR THAT

- 4. POST-INSTALLED ANCHOR TESTING SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.
- 5. TEST QUANTITY OF POST-INSTALLED ANCHORS AS NOTED BELOW:
- APPLICATION QUANTITY

 NON-STRUCTURAL (EQUIP. ANCHORAGE, ETC.) 50% OF BOLTS
- 6. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TESTING FREQUENCY.
- 7. TORQUE TESTING SHALL BE APPLIED BY CALIBRATED WRENCH. TENSION TESTING (WHERE INDICATED) SHALL BE APPLIED BY HYDRAULIC JACK OR CALIBRATED SPRING LOADING DEVICE.
- 8. THE FOLLOWING CRITERIA SHALL APPLY FOR THE ACCEPTANCE OF INSTALLED POST-INSTALLED ANCHORS:
- A. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE ATTAINED WITHIN ONE—HALF (½) TURN OF THE NUT. SLEEVE ANCHORS ¾ INCH DIAMETER OR LESS MUST ATTAIN THE SPECIFIED TEST TORQUE WITHIN ONE—QUARTER (¼) TURN OF THE NUT, AND THREADED ANCHORS MUST ATTAIN THE SPECIFIED TEST TORQUE WITHIN ONE—QUARTER (¼) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.
- B. HYDRAULIC RAM METHOD: (FOR TENSION TESTING WHERE INDICATED)
 ANCHORS SHALL MAINTAIN THE TENSION TEST LOAD FOR A MINIMUM OF 15
 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE
 TENSION TEST. (AN EXAMPLE OF DISCERNABLE MOVEMENT WOULD BE
 LOOSENING OF THE WASHER UNDER THE NUT).

9. TEST LOADS (1)(2)(3)

TORQUE TEST VALUES — EXPANSION ANCHORS NORMAL WEIGHT CONCRETE					
ANCHOR DIAMETER (INCH)	ANCHOR DEPTH (INCHES)	TORQUE (FT-LBF)			
3/8	2	25			
1/2	2	40			
	31/4	40			
5%	31/8	60			
78	4	60			
3⁄4	3 ³ / ₄ 4 ³ / ₄	110			
	43/4	110			

- (1) TEST VALUES ARE BASED ON KWIK BOLT TZ (KB-TZ) EXPANSION ANCHORS BY HILTI, INC. (ICC EVALUATION REPORT NUMBER ESR-1917).
- (2) TEST VALUES ARE BASED ON CARBON STEEL ANCHORS.
- (3) VERIFY TORQUE VALUES WITH MANUFACTURER FOR SIMPSON STRONG-BOLT 2 (ICC ESR-3037) OR DEWALT POWER-STUD+SD2 (ICC ESR-2502)

ANCHORS AND/OR DOWELS INSTALLED WITH ADHESIVE

INDICATED ON DRAWINGS.

2. ANCHORS AND OR DOWELS SHALL BE INSTALLED IN CONCRETE LISING ONE OF

ICC NO. ESR-3187

ICC NO. ESR-2508

ICC NO. ESR-3298

1. ANCHORS AND/OR DOWELS SHALL BE INSTALLED WITH ADHESIVE ONLY WHERE

- 2. ANCHORS AND/OR DOWELS SHALL BE INSTALLED IN CONCRETE USING ONE OF THE FOLLOWING PRODUCTS IN ACCORDANCE WITH THE APPLICABLE ICC REPORT:
- HILTI HIT-HY 200 ADHESIVE
 SIMPSON SET-XP ADHESIVE
 DEWALT PURE110+ ADHESIVE
- 4. ADHESIVE SYSTEMS OTHER THAN THOSE SPECIFIED SHALL BE SUBMITTED AS A SUBSTITUTION, AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE
- ENFORCEMENT AGENCY, THE ARCHITECT, AND THE STRUCTURAL ENGINEER.

 5. HOLES SHALL BE DRILLED WITH NON-REBAR-CUTTING DRILL BITS.
- 6. HOLES SHALL BE CLEAN OF CONCRETE DUST AND DEBRIS USING A NYLON BRUSH
- AND OIL—FREE COMPRESSED AIR. HOLES SHALL ALSO BE FREE OF STANDING WATER.

 7. PROJECT INSPECTOR SHALL VERIFY INSTALLATION OF ANCHORS OR DOWELS IN
- ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INCLUDING CLEANLINESS OF DRILL HOLES AND PROPER EMBEDMENT.

 8. ANCHORS SET IN CONCRETE AND SHALL BE TESTED TO 2 TIMES THE ASD
- ANCHOR TO BE TESTED, WHICHEVER IS LESS. TORQUE TESTING IS NOT PERMITTED. SEE DETAILS FOR TEST LOADS.

 9. ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21

ALLOWABLE TENSION LOAD, 1.25 TIMES THE LRFD STRENGTH CAPACITY, OR 80%

OF THE YIELD STRENGTH OF THE BOLT FOR THE SPECIFIC LOCATION OF THE

FILE NUMBER: 33-H18

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DIVISION OF THE STATE ARCHITECT

APP. NO: 04 - 115995 INCR:

AC SL FLS JA SS DW

DATE <u>05/02/2017</u>

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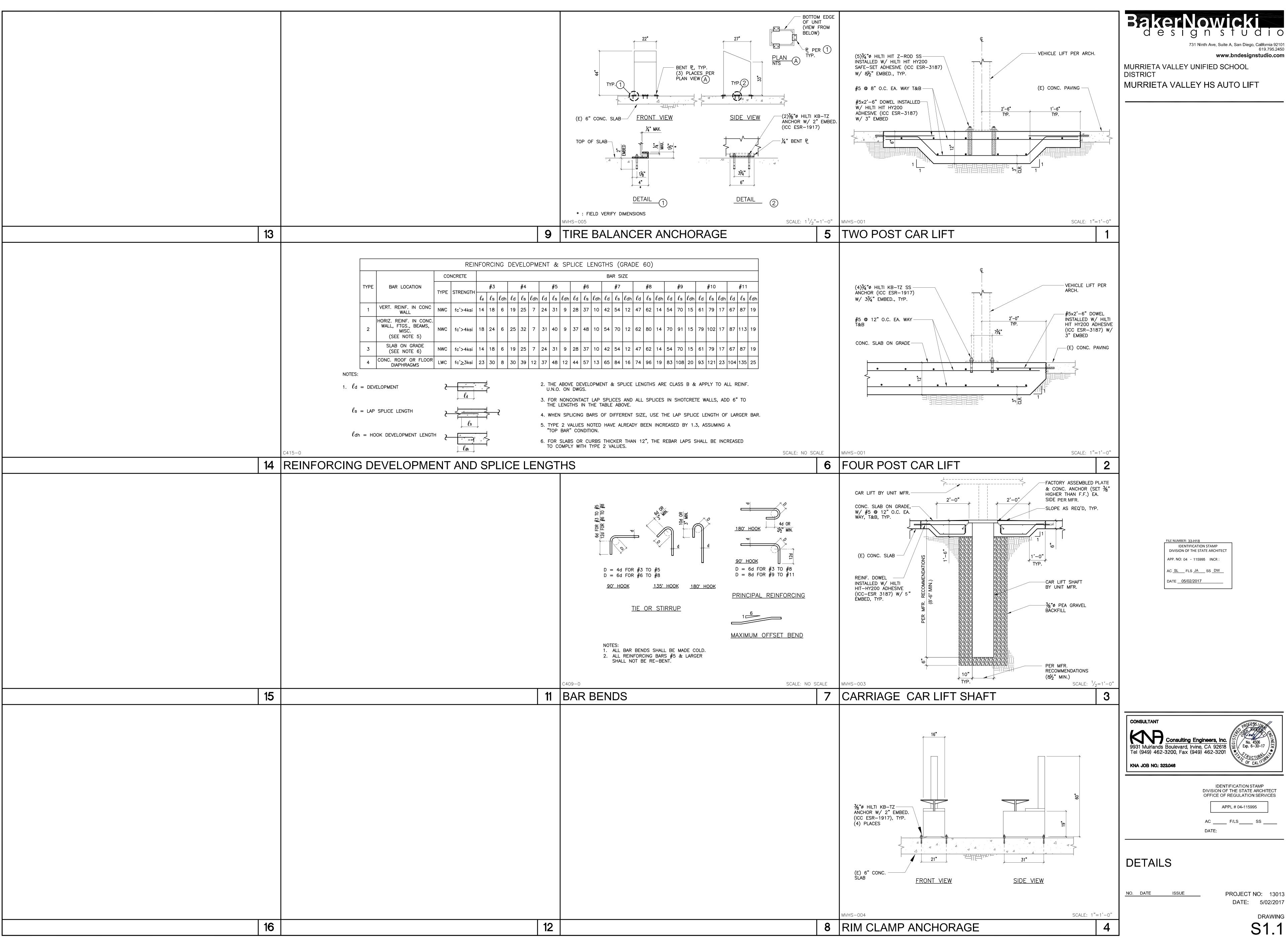
GENERAL NOTES

NO. DATE ISSUE

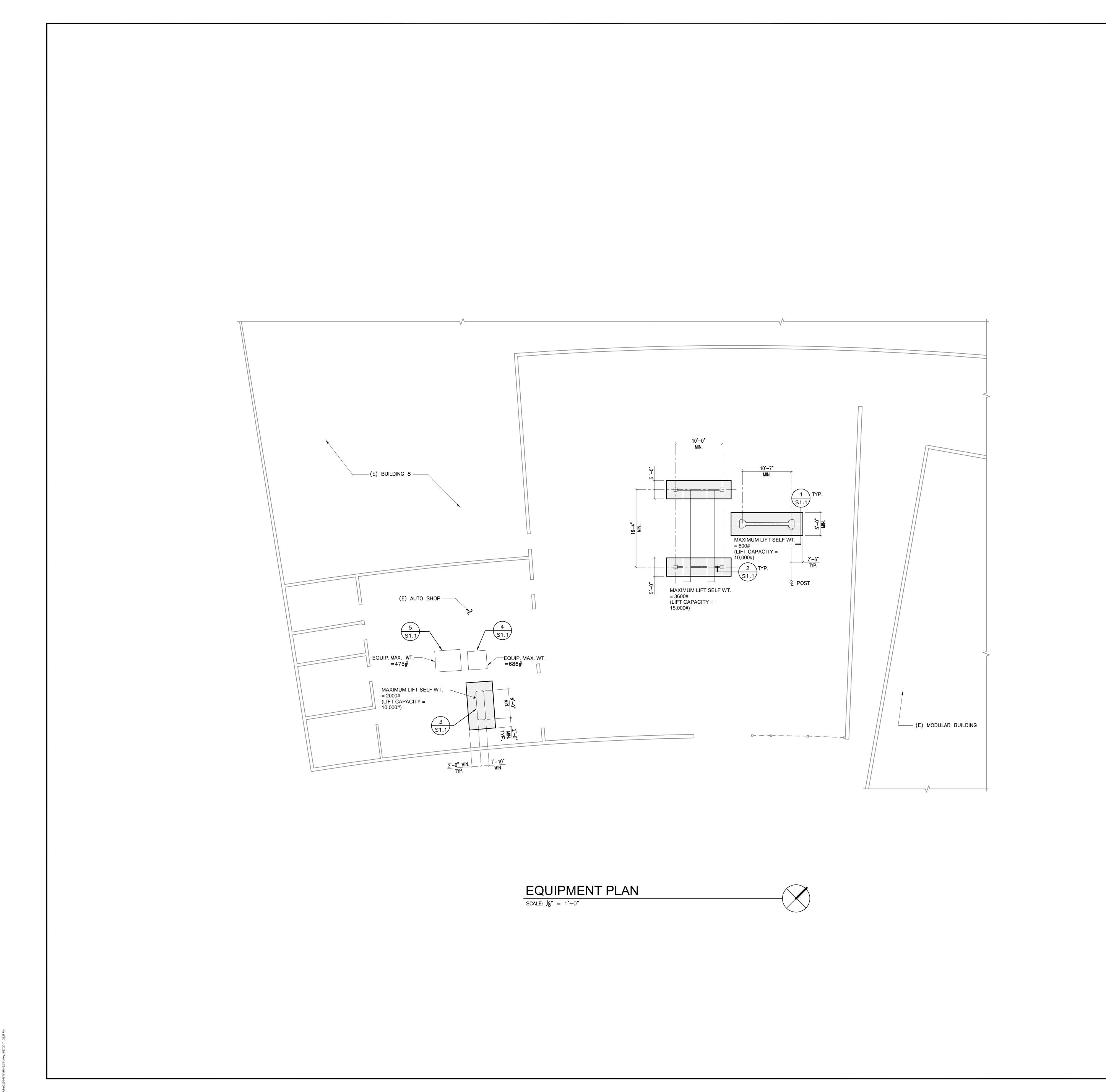
PROJECT NO: 13013 DATE: 5/02/2017

DRAWING

J.1



DRAWING **S1.1**



EQUIPMENT PLAN NOTES

- SEE SHEETS S0.1 & S1.0 FOR GENERAL NOTES AND TYPICAL DETAILS.
- SEE SPECIFICATIONS FOR ALL SITE AND SUBGRADE REQUIREMENTS.
- FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- 4. SEE SHEET S1.0 FOR EQUIPMENT ANCHORAGE DETAILS.
- 5. SEE ARCHITECTURAL SHEETS FOR LOCATION OF EQUIPMENT.

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EQUIPMENT PLAN LEGEND

: INDICATES EQUIPMENT OUTLINE.

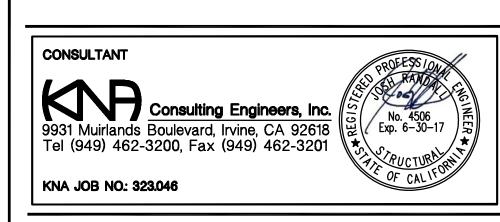
: INDICATES NEW CONCRETE SLAB.

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EQUIPMENT PLAN

NO. DATE ISSUE

PROJECT NO: 13013 DATE: 5/02/2017

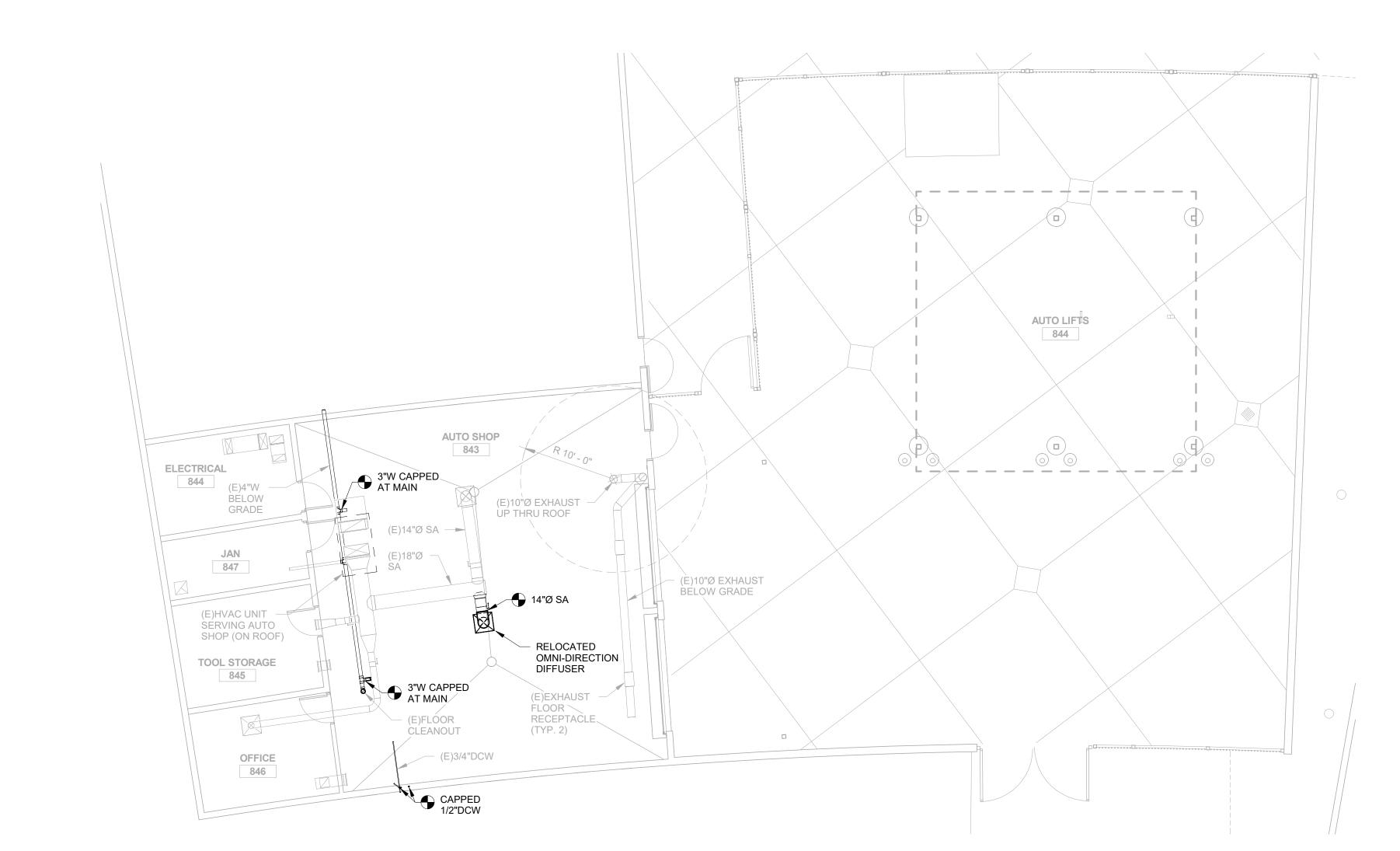
DRAWING

MECHANICAL & PLUMBING DEMOLITION PLAN

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

MECHANICAL & PLUMBING NEW WORK PLAN

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



MECHANICAL LEGEND SYMBOL ABBREV. DESCRIPTION DUCTWORK (1ST NUMBER INDICATES SIDE SHOWN, 10 x 6 OOUBLE OR SINGLE LINE) MANUAL VOLUME DAMPER RECTANGULAR DUCT UP RECTANGULAR DUCT DOWN DUCT TRANSITION (RECTANGULAR TO ROUND) SUPPLY AIR DUCT S.A. RETURN AIR DUCT / OUTSIDE AIR DUCT R.A. / O.A. E.A. EXHAUST AIR DUCT PIPE DOWN DN. PIPE UP 0----L.O.D. IMIT OF DEMOLITION P.O.C. POINT OF CONNECTION TYP. YPICAL

GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CITY CODES, 2016 CALIFORNIA BUILDING CODE, 2016 CALIFORNIA MECHANICAL CODE, 2016 CALIFORNIA ENERGY CODE, 2016 CALIFORNIA FIRE CODE, 2016 CALIFORNIA GREEN BUILDING STANDARDS, NFPA 90 & 91, STATE AND LOCAL FIRE DEPARTMENT REGULATIONS, AND ALL OTHER APPLICABLE CODES AS SHOWN ON ARCHITECTURAL PLANS.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND PROVIDE REPAIR OF ADJACENT EXISTING SURFACES, EQUIPMENT, AREAS, AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF ANY DEMOLITION AND/OR NEW WORK.

JP THRU ROOF

U.T.R.

- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION, AND SERVICES NECESSARY FOR THE COMPLETION OF THE WORK. ALL MATERIALS & WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND GOVERNING REGULATIONS AND SHALL MEET WITH THE APPROVAL OF THE CITY AND STATE FIRE MARSHAL.
- 4. ALL DRAWINGS ARE CONSIDERED TO BE PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, AIR CONDITIONING, PLUMBING, AND ELECTRICAL. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION MAY BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND AT NO EXPENSE TO THE OWNER.
- DO NOT SCALE DRAWINGS ALL DIMENSIONS AND JOB SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE PRIOR TO BID SUBMITTAL, START OF CONSTRUCTION AND / OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION.
- 6. CONTRACTOR SHALL COORDINATE ALL DUCT, PIPE AND EQUIPMENT LOCATIONS WITH PLUMBING, ELECTRICAL, STRUCTURAL, AND ALL OTHER TRADES.
- 7. ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED & TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS AND PROCEDURES DETAILED IN THE A.S.H.R.A.E. HANDBOOK OF FUNDAMENTALS OR THE APPLICABLE STANDARDS ADOPTED BY S.M.A.C.N.A. PROVIDE RECTANGULAR DUCTS OF GALVANIZED STEEL & PREFABRICATED SPIRAL LOCKSEAM DUCTS AND FITTINGS.
- 8. DUCT MATERIALS SHALL COMPLY WITH ANSI/SMACNA 006-2006 HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE, 3RD EDITION.
- PROVIDE DUCT MANUAL VOLUME DAMPERS IN EACH BRANCH DUCT AND IN EACH MAIN DUCT TO PROVIDE FOR COMPLETE AIR BALANCE OF THE SYSTEM. PROVIDE ADEQUATE ACCESS AND IDENTIFICATION.
- 10. ALL DUCTWORK AND PIPING SHALL BE INSULATED CONSISTENTLY WITH THE REQUIREMENTS OF SECTIONS 118, 123, & 124 OF THE 2016 ENERGY EFFICIENCY STANDARDS (E.E.S.) AND TABLES 6-6A AND 6-6B OF 2016 C.M.C.
 11. INSULATION MATERIAL SHALL MEET THE CALIFORNIA QUALITY STANDARD PER SECTION 118 OF E.E.S.
- 12. HVAC UNITS SHUTDOWN TO BE ACCOMPLISHED USING THE BUILDING'S FIRE ALARM SYSTEM.
- 13. MATERIAL EXPOSED WITHIN A DUCT OR PLENUM SHALL COMPLY WITH SECTION 602.2 OF 2016 C.M.C.
- 14. ALL OUTLETS FOR FUTURE CONNECTIONS SHALL BE INSTALLED SO AS TO PERMIT EASY CONNECTION. COORDINATE DUCTWORK, STRUCTURAL CONDITIONS AND ARCHITECTURAL LAYOUT.
- 15. SEE ARCHITECTURAL DRAWINGS FOR ROOF ACCESS AND ADDITIONAL ENERGY CONSERVATION NOTES.
- 16. ALL PLUMBING EQUIPMENT, MATERIALS, AND ALL CONNECTIONS THERETO SHALL BE INSTALLED COMPLETE PER MANUFACTURER INSTRUCTIONS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM.
- 17. ALL PLUMBING SOLDER SHALL BE LEAD FREE.
- 18. PLUMBING PIPING SYSTEMS SHALL BE INSULATED PER BUILDING ENERGY EFFICIENCY STANDARDS (E.E.S.) SECTION 123. ALL INSULATING MATERIALS INSTALLED SHALL BE CERTIFIED BY CALIFORNIA ENERGY COMMISSION TO MEET C.E.C. E.E.S. SECTION 118, 123 & 124.
- 19. NO CPVC SHALL BE INSTALLED FOR POTABLE WATER SUPPLY. ALL PLUMBING FIXTURES & PIPING USED TO CONVEY DRINKING WATER SHALL BE AB1953 COMPLIANT. IDENTIFICATION OF POTABLE AND NON-POTABLE
- WATER PIPES AND OUTLETS SHALL COMPLY WITH SECTION 614.0 OF THE 2016 CALIFORNIA PLUMBING CODE.

 20. EACH PLUMBING FIXTURE THAT CONNECTS TO THE SANITARY SEWER SYSTEM SHALL BE PROPERLY

TRAPPED AND VENTED IN ACCORDANCE WITH THE 2016 CALIFORNIA PLUMBING CODE.

SEISMIC RESTRAINING NOTES

ALL MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26, AND 30:

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- 3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE

SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR SHALL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25, AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE, COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE MADE AVAILABLE ON TEH JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

MP[X] MD[X] PP[X] E[X] - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND

MP[] MD[] PP[] E[] - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM*)*

MP[] MD[] PP[] E[] -OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL AND CONNECTION LEVEL FOR THE PROJECT AND CONDITIONS.

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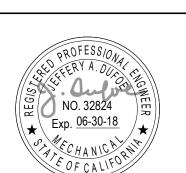
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MECHANICAL & PLUMBING LEGEND, GENERAL NOTES, AND FLOOR PLANS

DATE:

NO. DATE ISSUE

PROJECT NO: 13013 DATE: 05.02.2017

DRAWII

ABBREVIATIONS

AMPERE (AMPS) ALTERNATING CURRENT AMPS-FRAME (RATING) AMP INTERRUPTING CURRENT AMMETER AMP SWITCH (FUSED SWITCH RATING) AMPS-TRIP (RATING) AMERICAN WIRE GAUGE BARE COPPER BUILDING CONDUIT CB CIRCUIT BREAKER CONDUIT ONLY CURRENT TRANSFORMER COPPER CFOI CONTRACTOR FURNISHED OWNER INSTALLED CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED DPDT DOUBLE POLE DOUBLE THROW DOUBLE POLE SINGLE THROW DWG DRAWING EXISTING FULL LOAD AMPS FULL YOLTAGE REVERSING FVNR FULL YOLTAGE NON-REVERSING GROUND FAULT INTERRUPTER GRD/GND GROUND HIGH INTENSITY DISCHARGE HAND-OFF-AUTOMATIC HORSEPOWER HIGH PRESSURE SODIUM HERTZ KILOWATT LONG CONTINUOUS LOAD LOCKED ROTOR AMPS LTG LIGHTING MCC MOTOR CONTROL CENTER THOUSAND CIRCULAR MILS MCM (KCM) MECH MECHANICAL NORMALLY CLOSED NON-FUSED NORMALLY OPEN/NUMBER OFCI OWNER FURNISHED CONTRACTOR INSTALLED **OFO** OWNER FURNISHED OWNER INSTALLED POLE PHASE POC POINT OF CONNECTION PYC COATED RIGID STEEL (CONDUIT) POTENTIAL TRANSFORMER POLYVINYL CHLORIDE DUCT SWBD SWITCHBOARD TYP TYPICAL UNDERGROUND UNLESS OTHERWISE NOTED YOLT VOLTAMPERES VOLTMETER YERIFY LOCATION WIRE/WATTS

WEATHERPROOF (NEMA TYPE 3R)

EXPLOSION PROOF (RATED FOR AREA HAZARD)

WATERTIGHT

ELECTRICAL SYMBOL LEGEND

BATTERY PACK).

-

LIGHTING LIGHTING FIXTURE DESIGNATION LIGHTING FIXTURE, CEILING OR WALL MOUNTED AS SHOWN. FLUORESCENT LIGHT FIXTURE LIGHTING FIXTURE ON EMERGENCY CIRCUIT (LIFE SAFETY BRANCH OR

EXIT SIGN WITH DIRECTION ARROWS AS INDICATED. SHADED QUADRANT

INDICATES FACE. EMERGENCY LIGHTING UNIT. WALL MOUNTED 12" BELOW CEILING (U.O.N.) LETTER INDICATES CIRCUIT CONTROLLED. SEE DETAIL

FLUORESCENT STRIP LIGHT SINGLE POLE SWITCH, SUBSCRIPT WHEN SHOWN INDICATES FIXTURES CONTROLLED +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #1/E1.0. WHERE USED IN CONJUCTION WITH OCCUPANCY SENSORS FOR SWITCH TYPE SEE DETAIL

THREE-WAY SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #1/E1.0 FOUR-WAY SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #1/E1.0 SWITCH WITH PILOT LIGHT +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #1/E1.0 DOUBLE POLE SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #1/E1.0 WEATHER PROOF SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #1/E1.0 KEY OPERATED SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS *1/E1.0

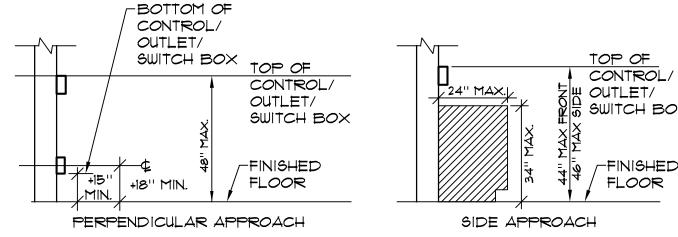
SURFACE MOUNTED TRACK LIGHTING FIXTURES EXTERIOR SITE LIGHTING FIXTURE AND POLE EXTERIOR DECORATIVE SITE LIGHTING FIXTURE AND POLE LANDSCAPE LIGHTING FIXTURE

SPORTSLIGHTING FIXTURES AND POLES WALL MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #1/E1.0 CEILING MOUNTED (CORNER OF THE ROOM) OCCUPANCY SENSOR LIGHTING CONTROL

CEILING MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL LOW YOLTAGE LIGHT SWITCH. HEIGHT PER DETAILS #1/EI.Ø

DIGITAL LIGHTING CONTROL TYPICAL ROOM REQUIREMENTS. NUMBERED DEVICES ARE ADDITIONAL ITEMS SHOWN ON FLOOR PLAN IN ADDITION TO WHAT IS REQUIRED FOR THE TYPICAL ROOM REQUIREMENTS.

ASTRONOMICAL TIME CLOCK



NOTE: MAINTAIN MINIMUM 30"X48" CLEAR FLOOR SPACE AT EACH APPROACH.

MOUNTING HEIGHT OVER OBSTRUCTION

NO SCALE

POWER CONTINUED DUPLEX RECEPTACLE, FLOOR MOUNTED DUPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.) RECEPTACLE, WALL MOUNTED HORIZONTALLY, +18" A.F.F. (U.O.N.) HORZ. FOURPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.) RECEPTACLE MOUNTED +6" ABOVE COUNTER BACKSPLASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN. PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOCATE ADJACENT TO PROJECTOR. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. \ominus SINGLE RECEPTACLE, WALL MOUNTED +18" A.F.F. (U.O.N.) Θ_{c} SINGLE RECEPTACLE (CLOCK HANGER TYPE) WALL MOUNTED +7'-0" A.F.F. (U.O.N.) SWITCH CONTROLLED DUPLEX RECEPTACLE +18" U.O.N. DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE +18" A.F.F. (U.O.N.) DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT +18" A.F.F. (U.O.N.) DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE +18" A.F.F. (U.O.N.) DUPLEX RECEPTACLE IN WEATHERPROOF "LOCKING" ENCLOSURE +18" A.F.F. (U.O.N.) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE). DUPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.) FOURPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF WALL MOUNTED +18" A.F.F. (U.O.N.) DUPLEX COMPUTER RECEPTACLE (GREY), WALL MOUNTED +18" A.F.F. (U.O.N.) DUPLEX COMPUTER RECEPTACLE (BLUE) ISOLATED GROUND, SURGE SUPPRESSION, WALL MOUNTED +18" A.F.F. (U.O.N.) SINGLE RECEPTACLE 30 AMP, 250V, 4W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD YERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN. SINGLE RECEPTACLE 50 AMP, 250V, 4W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD YERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN. SINGLE RECEPTACLE 50 AMP, 250Y, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN. SINGLE RECEPTACLE 30 AMP, 125Y, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN. SINGLE RECEPTACLE 30 AMP, 250Y, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN. SINGLE RECEPTACLE 30 AMP, 250V, 5W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN. SINGLE RECEPTACLE 30 AMP, 480Y, 5W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN. SINGLE RECEPTACLE 20 AMP, 250V, 5W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN. SPECIAL PURPOSES KITCHEN EQUIPMENT RECEPTACLE. SEE KITCHEN PLANS FOR EXACT TYPE. FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT SUPPLIER PRIOR TO ORDERING. SEE KITCHEN PLANS FOR EXACT MOUNTING HEIGHT.

間 SWITCH BOX FINISHED TP (→

> JALL MOUNTED +18" A.F.F. (U.O.N.) MULTI-OUTLET ASSEMBLY, "WIREMOLD" G-3000 SERIES WITH 20AMP DUPLEX

DUPLEX RECEPTACLE, WALL MOUNTED ADJACENT TO FLAT PANEL OUTLET, SEE

RECEPTACLE MOUNTED ABOVE CEILING FOR LOW YOLTAGE LIGHTING CONTROL (YL)

RECEPTACLES ON 18" CENTERS, RECEPTACLES TO BE ALTERNATELY WIRED AND INSULATED GROUNDING CONDUCTOR PROVIDED TO EACH

DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF

JUNCTION BOX, FLOOR MOUNTED

JUNCTION BOX, CEILING OR WALL MOUNTED

SIGNAL PLAN FOR EXACT LOCATION.

(ID) HAND DRYER CONNECTION, SEE ARCHITECTURAL FOR MOUTNING HEIGHT.

FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED. MANUAL MOTOR STARTER +48" A.F.F. OR ON EQUIPMENT (U.O.N.)

MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER.

MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION)

CONDUIT AND WIRE, CONCEALED IN CEILING OR WALL

/--- CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR

OR UNDER FINISHED GRADE. FLEXIBLE CONDUIT CONNECTION

BRANCH CIRCUIT HOMERUN TO PANEL. SLASHES INDICATE NUMBER OF CONDUCTORS. EQUIPMENT GROUND WIRE NOT INDICATED U.O.N. #12 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #12

3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE CEILING

BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.

PANELBOARD, SURFACE MOUNTED. PANELBOARD, RECESSED

DISTRIBUTION SWITCHBOARD

STEP-DOWN TRANSFORMER

SINGLE SECTION SERIES, NON METALLIC (WHITE)

TWO SECTION SERIES, NON METALLIC (WHITE)

THREE SECTION SERIES, NON METALLIC (WHITE)

GENERAL PROJECT NOTES

- . UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
- 2. UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
- 3. "GENERAL NOTES" SHOWN ON AN INDIVIDUAL DRAWING APPLY TO ALL WORK SHOWN ON THAT SHEET. "KEY NOTES" ONLY APPLY TO SPECIFIC ITEMS WHERE ANNOTATED AT SPECIFIC LOCATIONS. SOME KEY NOTES MAY NOT APPLY TO ANY SPECIFIC ITEMS.
- 4. FOR TWO STORY BUILDING CONSTRUCTION, NO CONDUITS SHALL BE ROUTED HORIZONTALLY WITHIN THE FLOOR SLAB OF THE SECOND FLOOR.
- 5. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT. NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

FIRE RATED ASSEMBLIES NOTE:

REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DESCRIPTION AND DETAIL OF ALL FIRE RATED ASSEMBLIES.

MEP COMPONENT ANCHORAGE NOTE-

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS, WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616 A.1.18 THROUGH 1616 A.1.26 AND ASCE T-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- 3. MOYABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS, THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24 AND 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS, THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

MP MD PP EX- OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP_MD_PP_E_ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM#) #

MP MP PP - OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009). INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPACIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEYEL AND CONNECTION LEYEL

FOR THE PROJECT AND CONDITIONS.

FIRE ALARM SPECIAL NOTES:

- NEW CARPORT STRUCTURE IS ALL STEEL CONSTRUCTION AND IS OPEN ON ALL FOUR SIDES.
- 2. AREA OF WORK IS CONSIDERED A MINOR REPAIR GARAGE WITH NO FUEL DISPENSING.

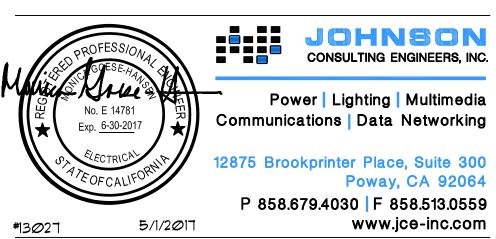
design studio 731 Ninth Ave, Suite A, San Diego, California 92101

619.795.2450 www.bndesignstudio.com

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT MURRIETA VALLEY HS AUTO LIFT

KEYNOTES

FILE NUMBER: 33-H18 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE <u>05/02/2017</u>



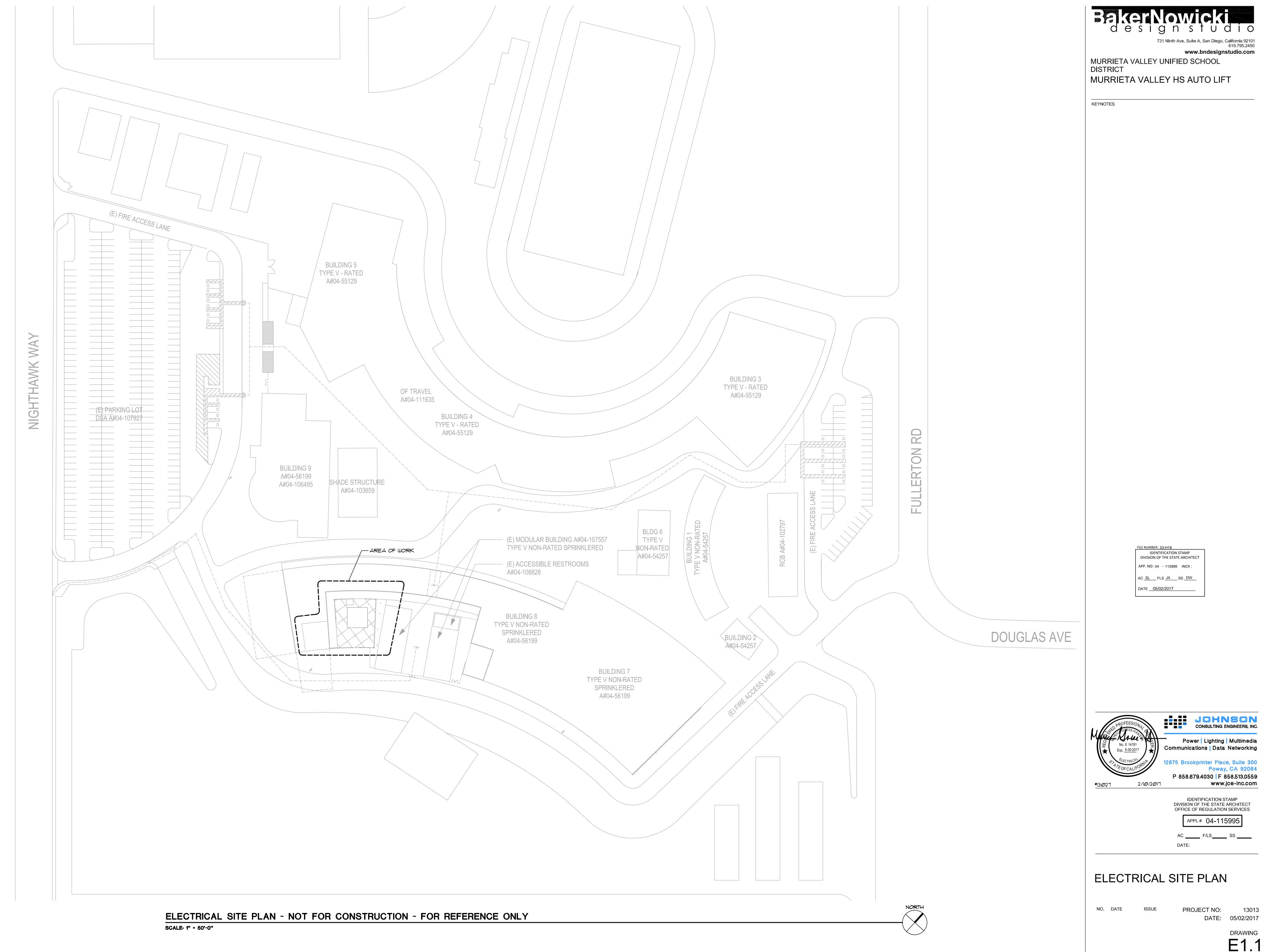
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL# 04-115995

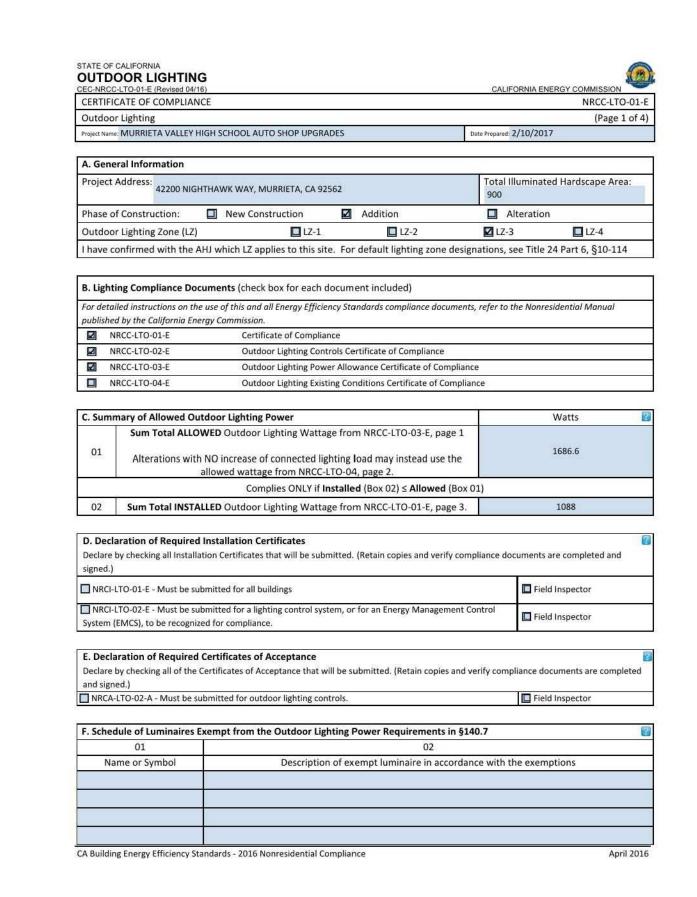
ELECTRICAL LEGEND AND NOTES

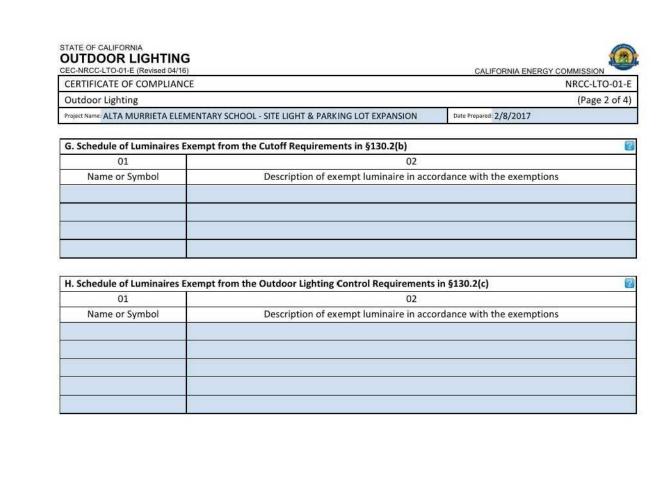
NO. DATE ISSUE

PROJECT NO: DATE: 05/02/2017

DRAWING







CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

OUTDOOR LIGHTING CONTROLS

MURRIETA VALLEY HIGH SCHOOL AUTO SHOP UPGRADES

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

January 2016

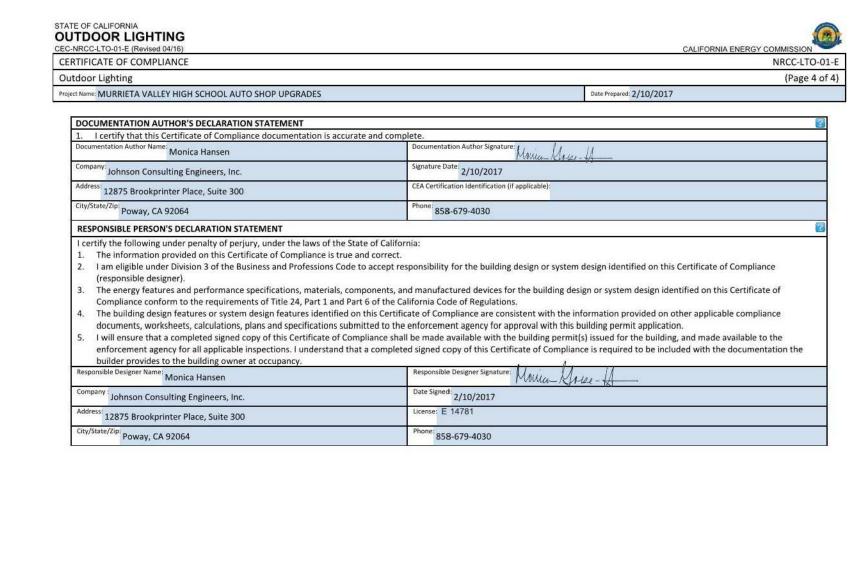
B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

CERTIFICATE OF COMPLIANCE

OUTDOOR LIGHTING CEC-NRCC-LTO-01-E (Revised 04/16)
CERTIFICATE OF COMPLIANCE NRCC-LTO-01-E Outdoor Lighting oject Name: MURRIETA VALLEY HIGH SCHOOL AUTO SHOP UPGRADES I. Outdoor Lighting Schedule and Field Inspection Energy Checklist How wattage w Primary Function area in which these luminaires are Complete Luminaire Description Item Tag installed (Outdoor Lighting Zone) LED STRIP LIGHT 68W (B0-U0-G0) AUTO SHOP 68 Enter sum total of all pages (Sum Total INSTALLED WATTS PAGE TOTAL: 1088 INSTALLED Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1 CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance



CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE Outdoor Lighting Controls MURRIETA VALLEY HIGH SCHOOL AUTO SHOP UPGRADES A. Mandatory Outdoor Lighting Control Declaration Statements Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a). Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b). | All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.0(d). Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5. All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor. All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 130.2(b) All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.2(c)1. All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2. All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3. For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)4. For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)5 Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

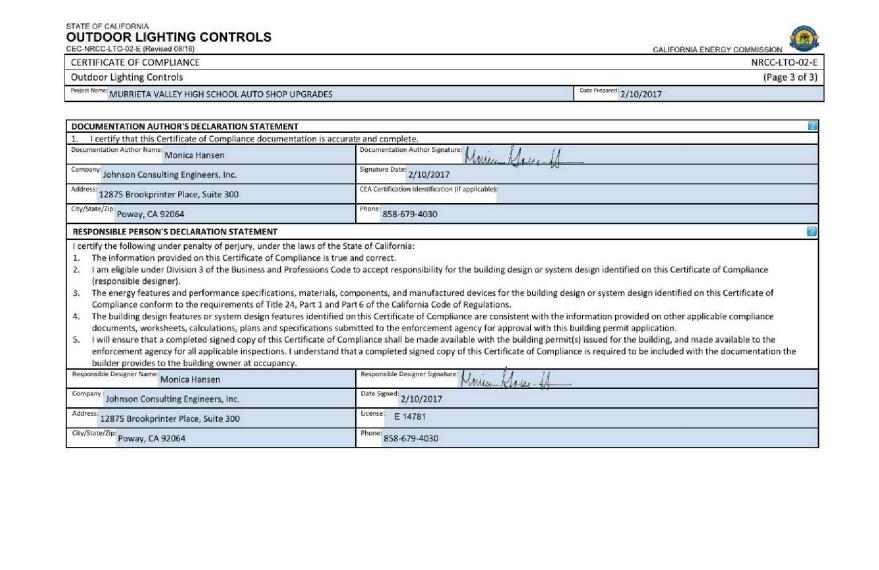
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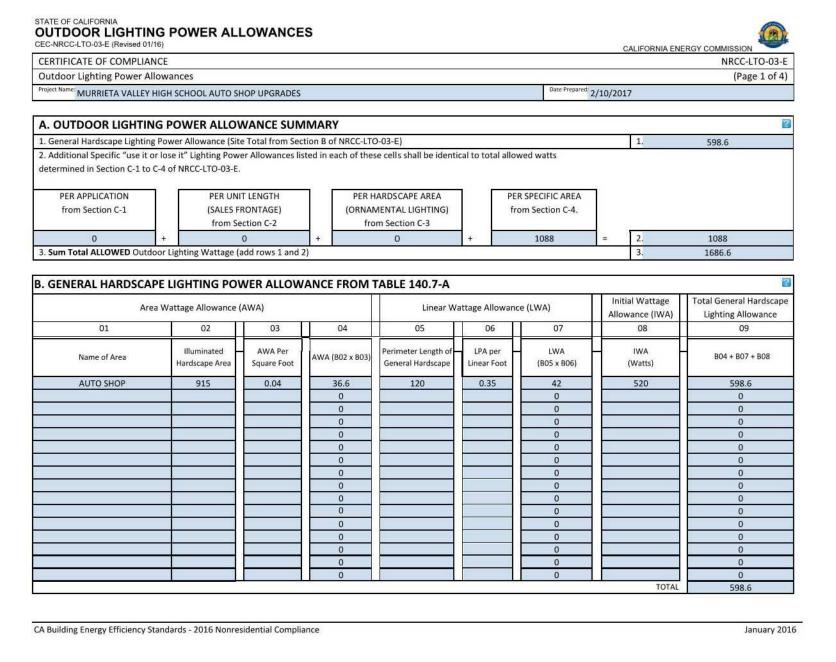
CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

Standards Complying With **Outdoor Lighting Control Schedule** (✓ all that apply, or leave empty if Exempted) ype/ Description of Lighting Control (i.e outdoor motion sensor, outdoor Location and Application of photocontrol, outdoor astronomical time-Luminaires Being switch control, automatic scheduling Controlled control, part-night outdoor lighting control) TO SHOP MOTION SENSOR

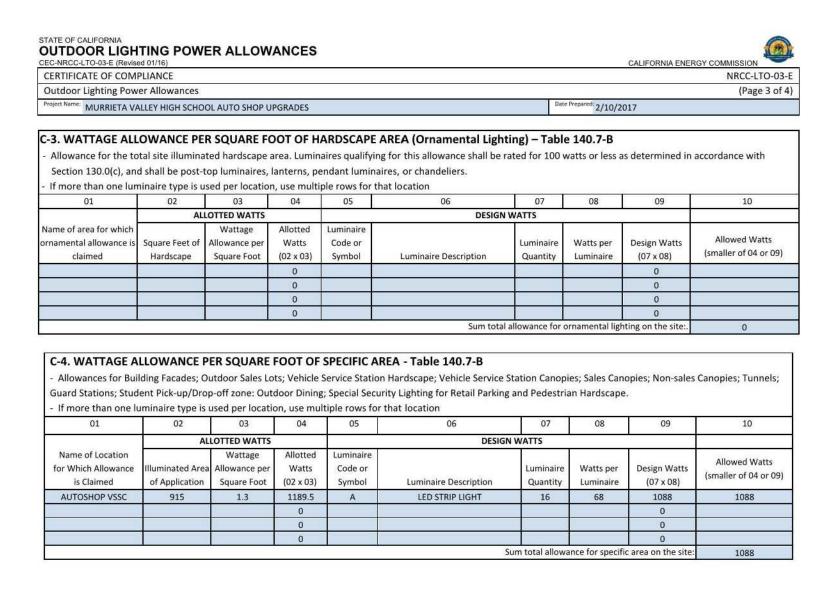
April 2016

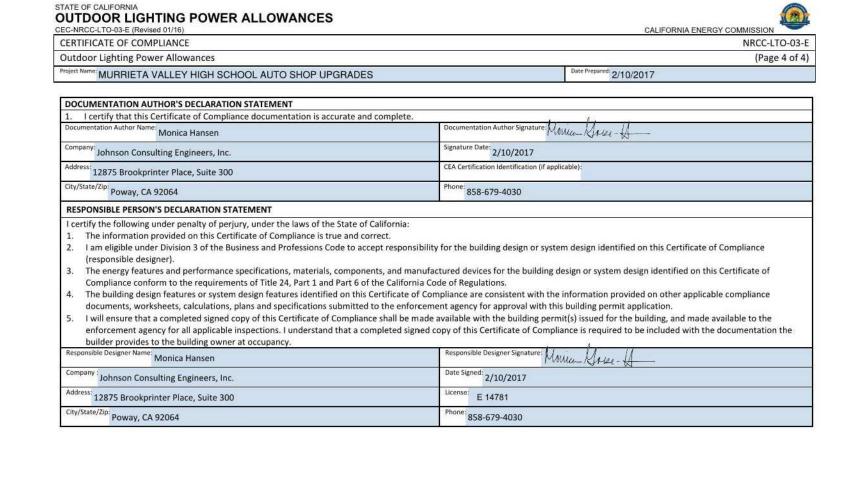
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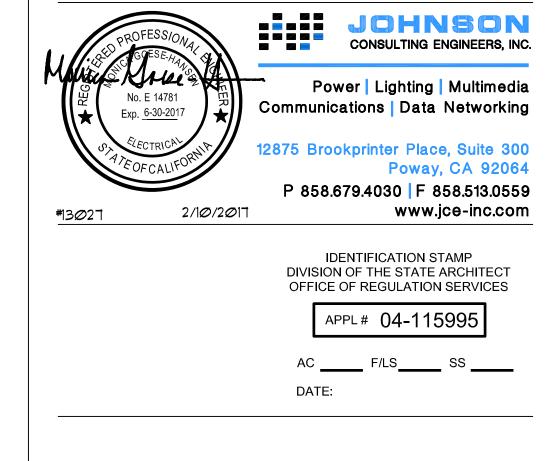




OUTDOOR LIGHTING POWER ALLOWANCES NRCC-LTO-03-E CERTIFICATE OF COMPLIANCE Outdoor Lighting Power Allowances (Page 2 of 4) Date Prepared: 2/10/2017 tt Name: MURRIETA VALLEY HIGH SCHOOL AUTO SHOP UPGRADES C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used. Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wattage allowances. C-1. WATTAGE ALLOWANCE PER APPLICATION – Table 140.7-B Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser, ATM Machine Lighting ☐ If more than one luminaire type is used per location, use multiple rows for that location 01 02 03 04 05 Name of Location Number of Allowance per Allotted Luminaire Design Watts (smaller of 04 or for Which Allowance Qualifying Qualifying Watts Code or Watts per Location (02 x 03) Symbol (07 x 08) 09) C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B ☐ If more than one luminaire type is used per location, use multiple rows for that location 02 03 04 05 **ALLOTTED WATTS** Name of Location for Which Allowance Allowance per Watts Code or Watts per (smaller of 04 or







FILE NUMBER: 33-H18

DATE <u>05/02/2017</u>

IDENTIFICATION STAMP

DIVISION OF THE STATE ARCHITECT

APP. NO: 04 - 115995 INCR:

AC SL FLS JA SS DW

TITLE 24 COMPLIANCE FORMS

NO. DATE ISSUE PROJECT NO:

731 Ninth Ave, Suite A, San Diego, California 92101

MURRIETA VALLEY UNIFIED SCHOOL

MURRIETA VALLEY HS AUTO LIFT

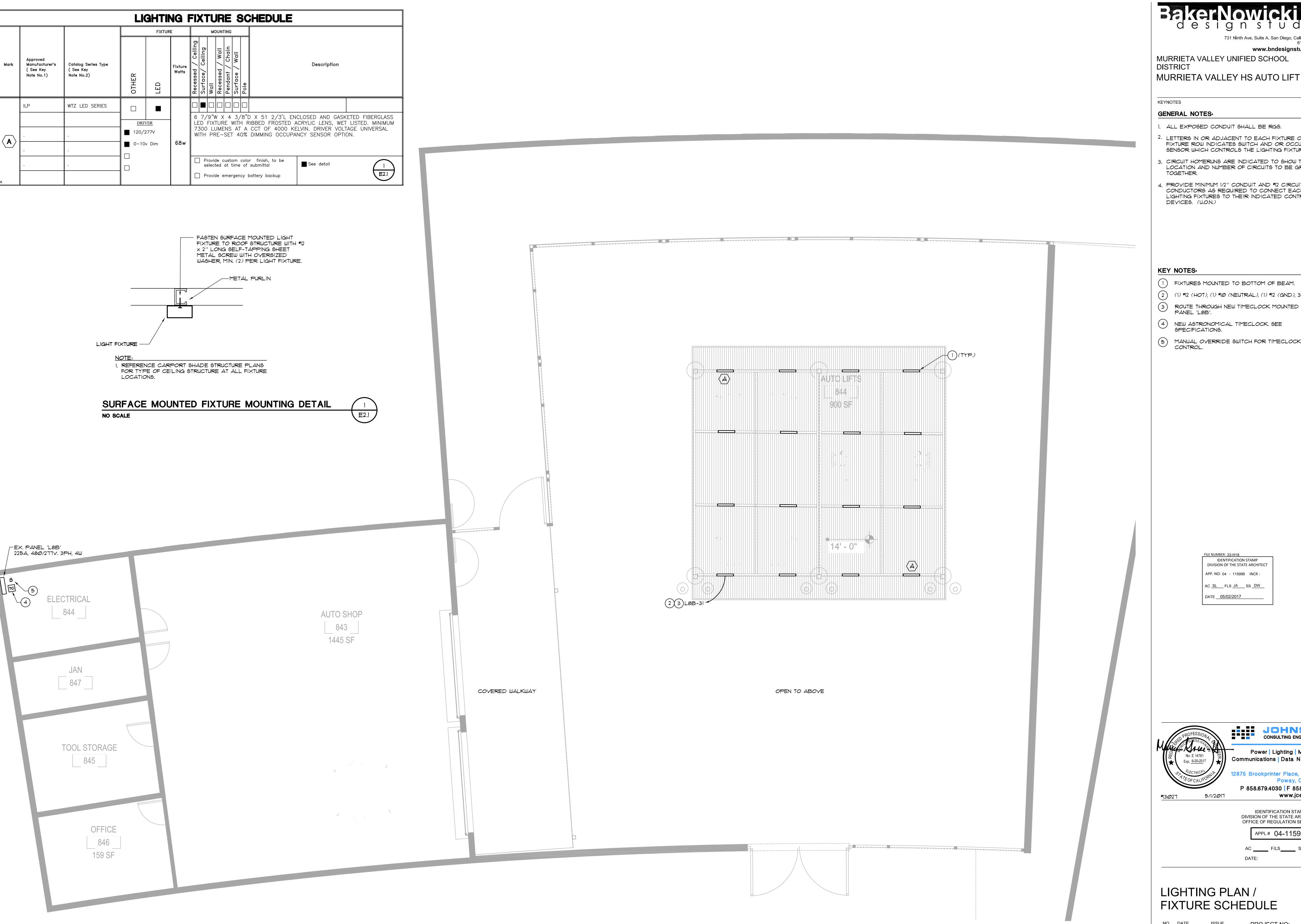
DISTRICT

KEYNOTES

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DATE: 05/02/2017

DRAWING



731 Ninth Ave, Suite A, San Diego, California 92101 619.795.2450 www.bndesignstudio.com

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

GENERAL NOTES

KEYNOTES

1. ALL EXPOSED CONDUIT SHALL BE RGS.

- 2. LETTERS IN OR ADJACENT TO EACH FIXTURE OR FIXTURE ROW INDICATES SWITCH AND OR OCCUPANCY SENSOR WHICH CONTROLS THE LIGHTING FIXTURE.
- 3. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
- 4. PROVIDE MINIMUM 1/2" CONDUIT AND #12 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH LIGHTING FIXTURES TO THEIR INDICATED CONTROL DEVICES. (U.O.N.)

KEY NOTES:

- (1) FIXTURES MOUNTED TO BOTTOM OF BEAM.
- (1) #12 (HOT), (1) #10 (NEUTRAL), (1) #12 (GND), 3/4"C.
- ROUTE THROUGH NEW TIMECLOCK MOUNTED ABOVE PANEL 'L8B'.
- 4 NEW ASTRONOMICAL TIMECLOCK, SEE SPECIFICATIONS.
- 5 MANUAL OVERRIDE SWITCH FOR TIMECLOCK CONTROL.

FILE NUMBER: 33-H18 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE 05/02/2017



Communications | Data Networking

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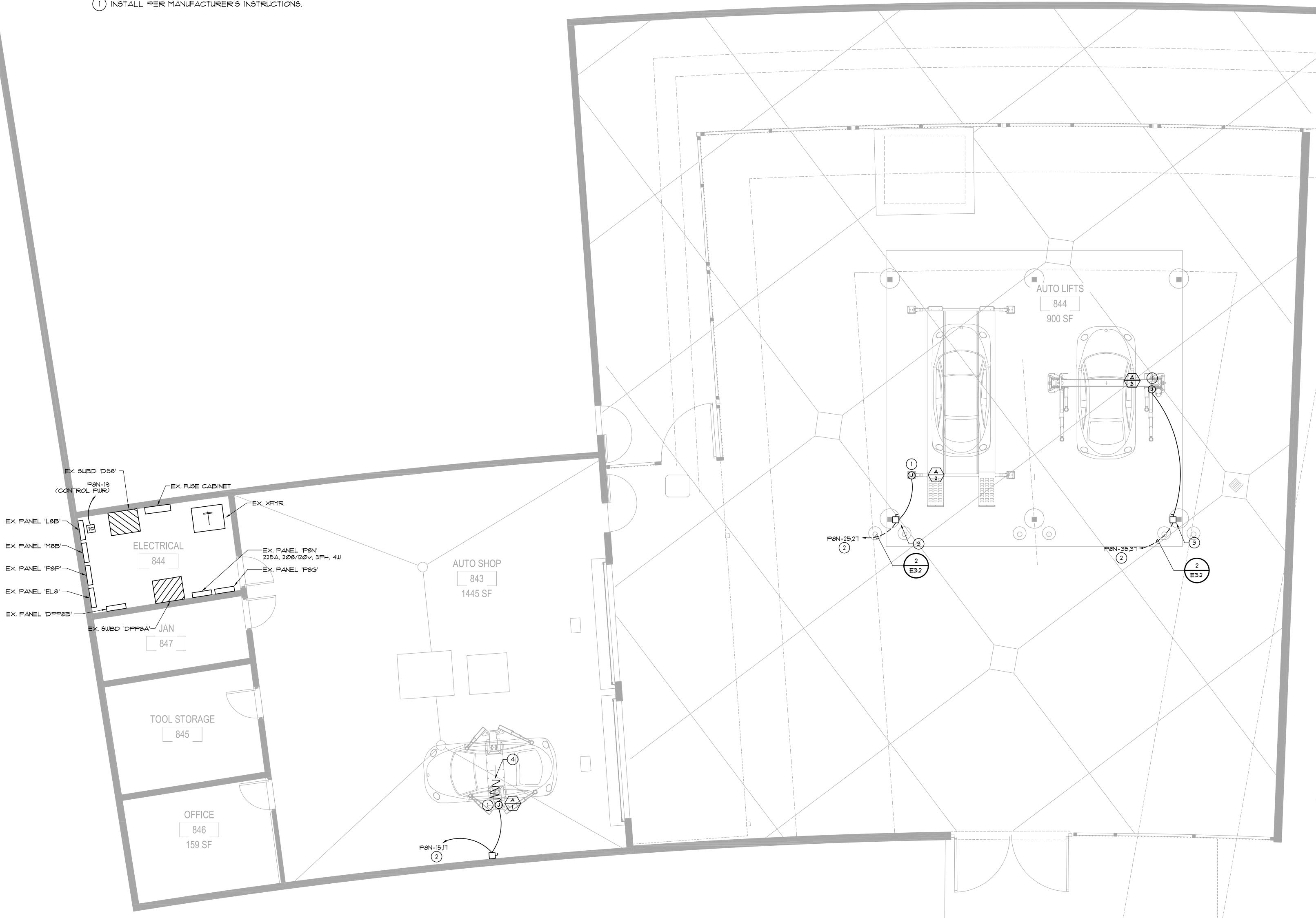
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL# **04-115995**

LIGHTING PLAN / FIXTURE SCHEDULE

DATE: 05/02/2017

	EQUIPMENT ELEC SCHEDULE						
MARK	VOLTAGE/ PHASE	CONDUIT/WIRE	FUSE	DISC. SWITCH	PANEL	DESCRIPTION	
A 1	208/1	3/4"C., (2) #0, (1) #0 GND	25	2P/3Ø/3R	P8N	CARTRIDGE LIFT -2HP (12 FLA)	
$\left\langle \begin{array}{c} A \\ 2 \end{array} \right\rangle$	208/1	3/4"C., (2) #10, (1) #10 GND	25	2P/3Ø/3R	PSN	4 POST LIFT - 2HP (12 FLA)	
$\begin{pmatrix} A \\ 3 \end{pmatrix}$	208/1	3/4"C., (2) #10, (1) #10 GND	25	2P/3Ø/3R	P8N	2 POST LIFT - 2HP (12 FLA)	

(1) INSTALL PER MANUFACTURER'S INSTRUCTIONS.



FLOOR PLAN - POWER

1/4" - 1'-0"

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MURRIETA VALLEY HS AUTO LIFT

KEYNOTES

GENERAL NOTES

- REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED POWER DEVICES WHERE INDICATED AT MOUNTING HEIGHTS OTHER THAN +18".
- 2. ALL EXPOSED CONDUIT SHALL BE RGS.
- 3. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
- 4. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
- 5. PROVIDE MINIMUM 1/2" CONDUIT AND #12 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
- 6. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO

KEY NOTES

ROUGH-IN.

- 1) FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- 2 REFER TO EQUIPMENT SCHEDULE FOR WIRING REQUIREMENTS.
- (3) MOUNT DISCONNECT ON COLUMN.
- (4) PROVIDE SEALTIGHT FLEX CONNECTION TO UNIT.

FILE NUMBER: 33-H18

IDENTIFICATION STAMP

DIVISION OF THE STATE ARCHITECT APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE <u>05/02/2017</u>



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IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

APPL# **04-115995**

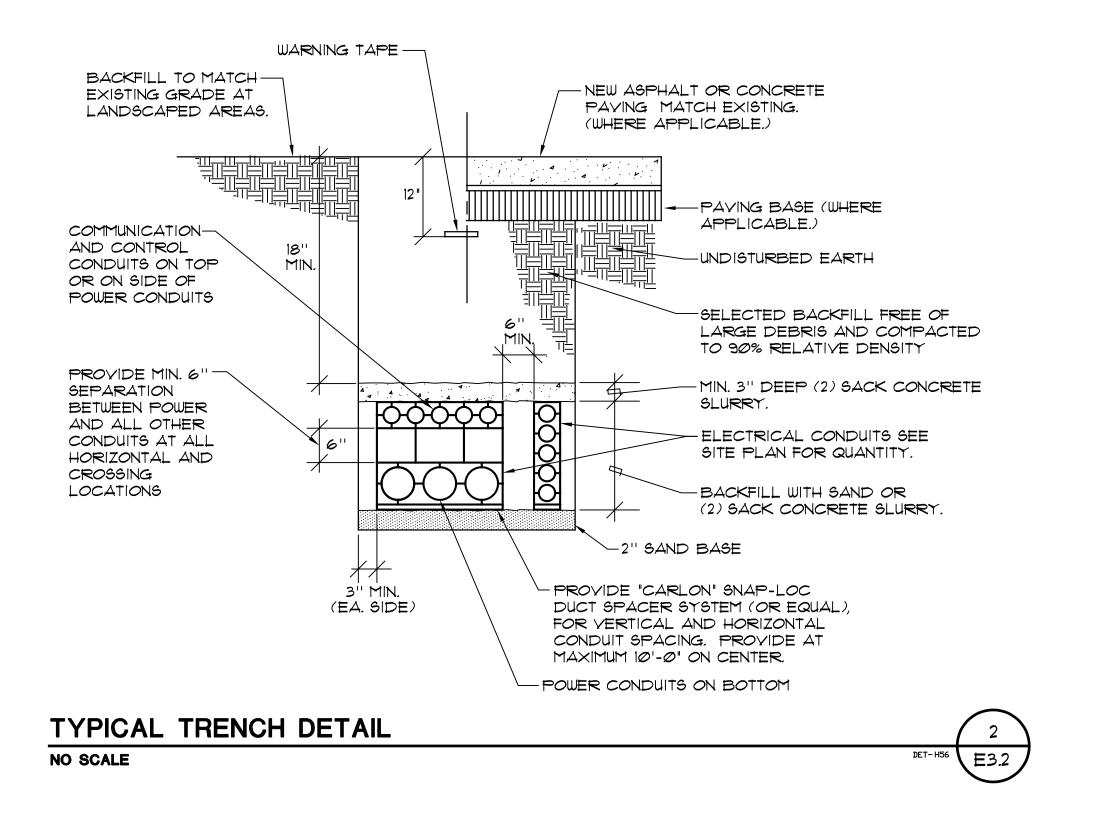
POWER PLAN

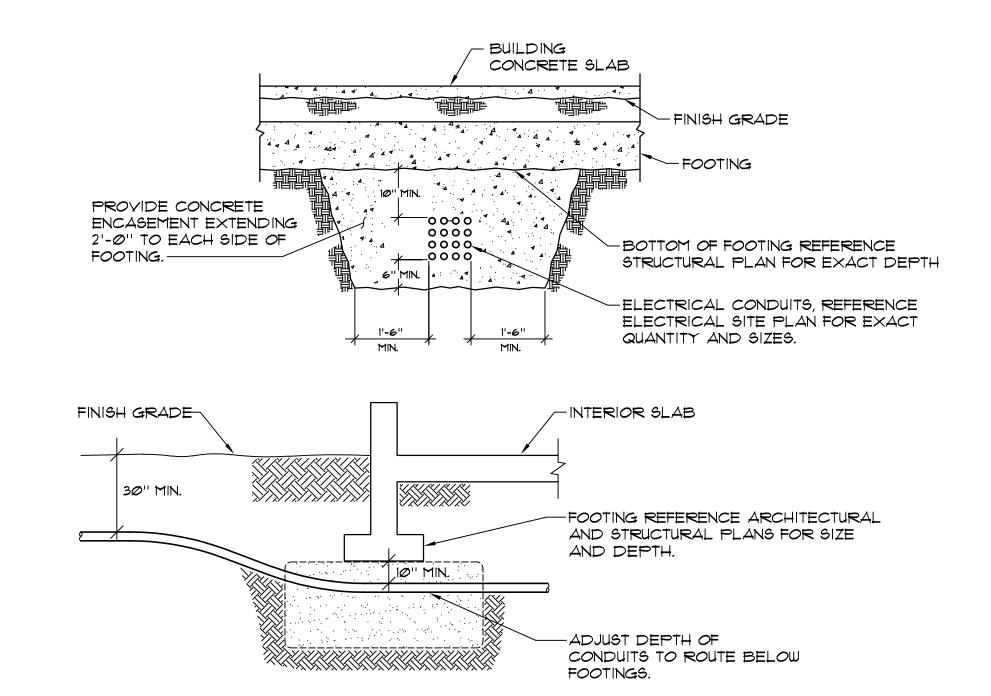
ISSUE NO. DATE

PROJECT NO:

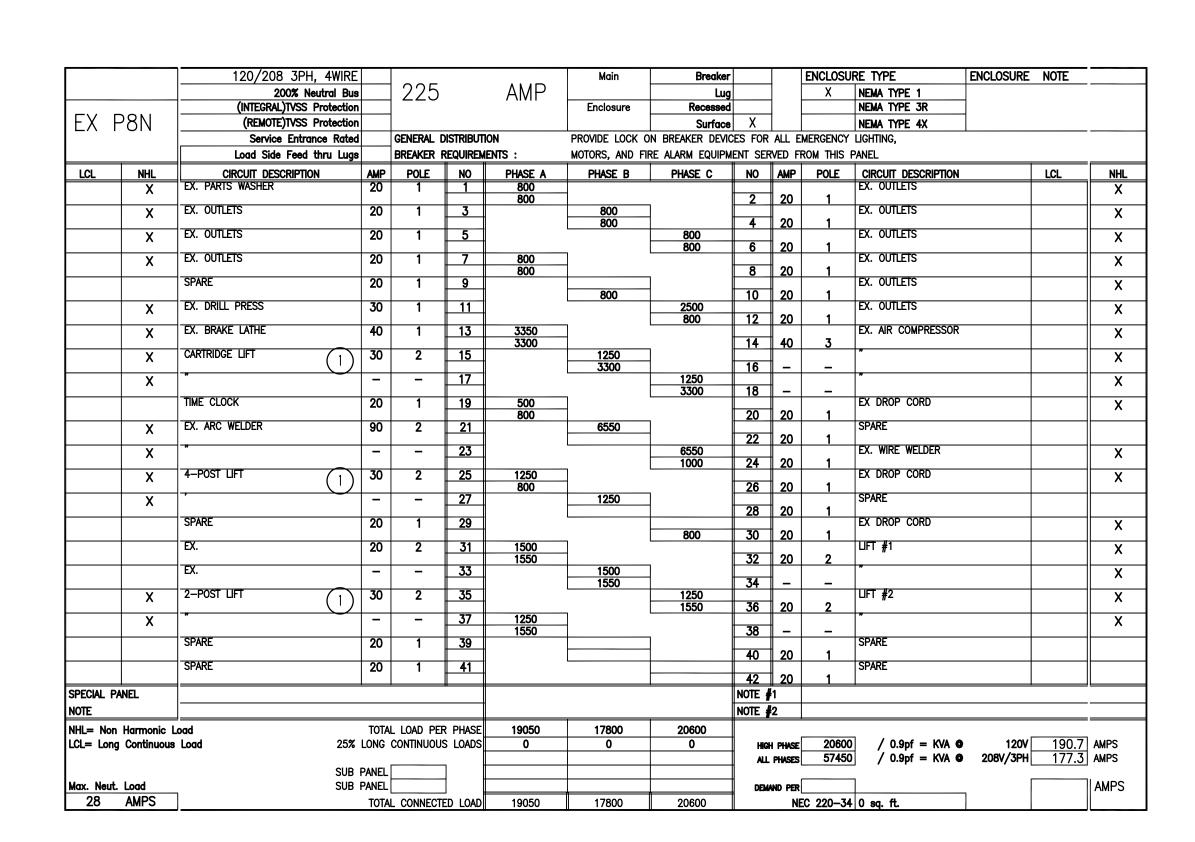
DATE: 05/02/2017

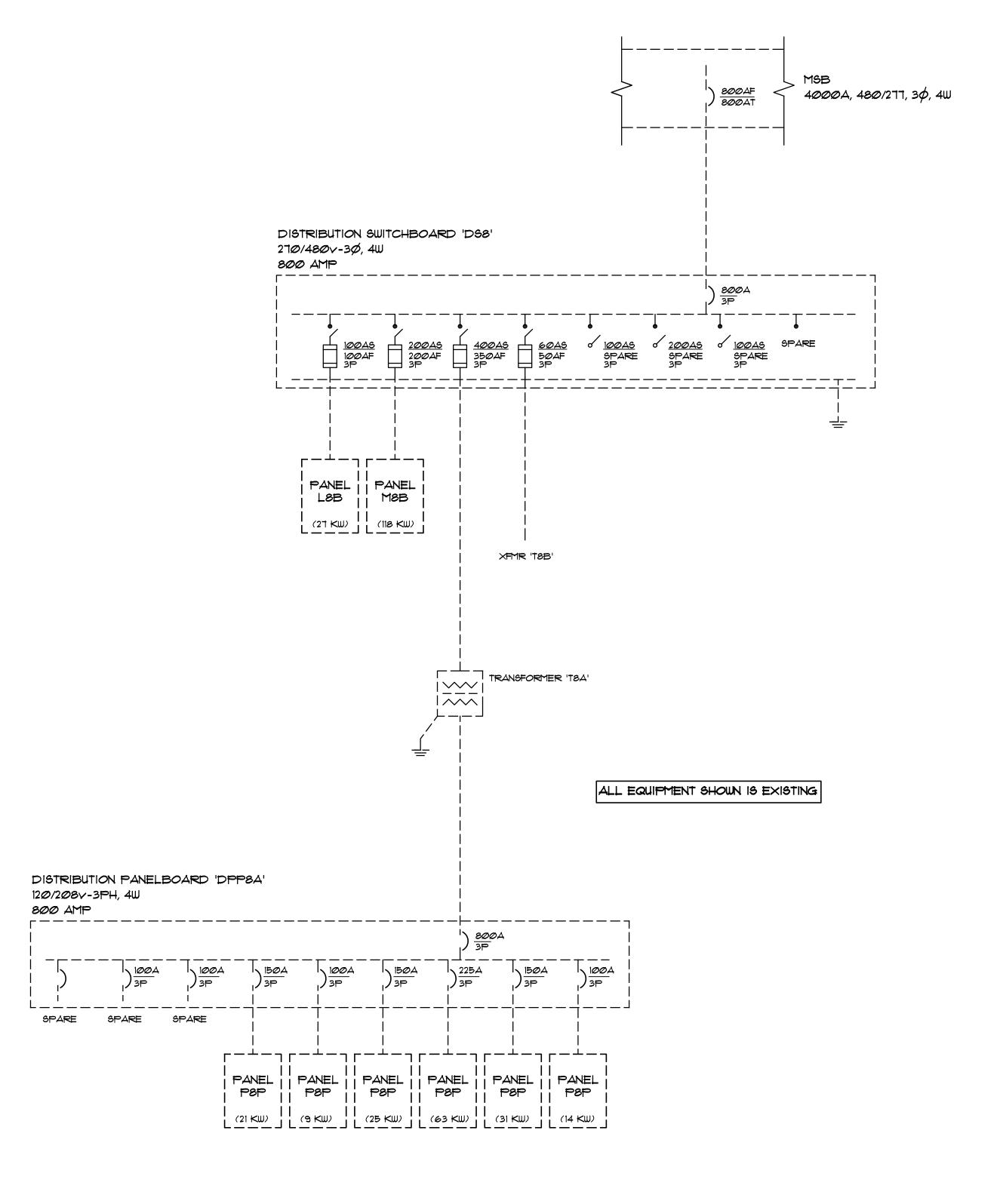
E3.1





UNDERGROUND CONDUIT - INSTALLATION AT BUILDING FOOTING NO SCALE





ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

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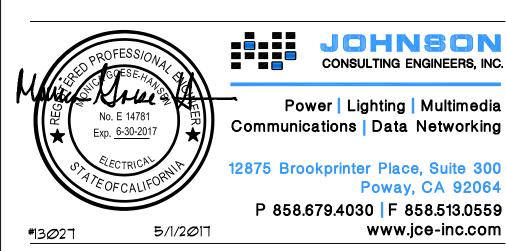
MURRIETA VALLEY UNIFIED SCHOOL DISTRICT MURRIETA VALLEY HS AUTO LIFT

KEYNOTES

KEY NOTES

REPLACE EXISTING 20A/IP CIRCUIT BREAKERS WITH NEW 30/2P CIRCUIT BREAKERS. MATCH EXISTING MANUFACTURER AND RATING.

> FILE NUMBER: 33-H18 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE <u>05/02/2017</u>



IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL# 04-115995

PARTIAL ONE-LINE **DIAGRAM & PANEL**

NO. DATE ISSUE

SCHEDULE

E3.2

PROJECT NO: DATE: 05/02/2017

E3.2

NATIONAL CARPORT INDUSTRIES

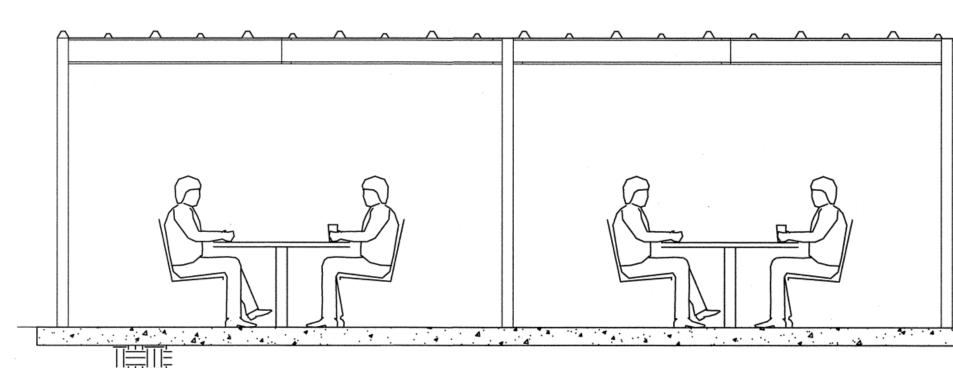
John Swanner

P.O. Box 2323 Sherman, TX 750791 PH. (903) 892-1896 FAX (903) 892-9098 www.schoolshelters.com johnswanner@nationalcarport.com

NATIONAL CARPORT SHADE STRUCTURE



4 S.T.E.L. ENGINEERING, INC. ENGINEER OF RECORD: DUSTIN ROSEPINK, S 5885 PROJECT MANAGER: SCOTT KAEDING 109 EAST ESCALONES SAN CLEMENTE, CA. 92672 PHONE: (949) 388-9333 FAX: (949) 388-3773



- MODULES TO BE PARALLEL TO ROOF SURFACE/ SLOPE. MAX EXTENT OF MODULES NOT TO EXCEED MAX PLAN
- 3. SITE SPECIFIC CLIP DETAIL TO BE PROVIDED BY OTHERS AT TIME OF SPECIFIC PROJECT SUBMITTAL. 4. SITE SPECIFIC PANEL LAYOUT TO BE PROVIDED BY

A - 2/ A - 3 OCCUPANCY. RISK CATEGORY III AND LOWER

CLASS A ROOFING

HEIGHT = PER COLUMN SCHEDULE

THIS BUILDING SHALL COMPLY TO SECTION 3 I 04 AND TABLE 503 OF THE 2013 C.B.C.

SHEET S-3 -FRAMING/FOUNDATION PLAN (OPTION 1)

SHEET S-7 -FOUNDATION DETAILS SHEET S-8 -COLUMN & FOOTING SCHEDULE

CODES

TITLE 24 CODES: 2013 CALIFORNIA ADMINISTRATIVE CODE (CAC). ..(PART 1, TITLE 24, CCR) 2013 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2......(PART 2, TITLE 24, CCR)

(2012 INTERNATIONAL BUILDING CODE WITH 2013 CALIFORNIA AMENDMENTS) 2013 CALIFORNIA ELECTRICAL CODE ..(PART 3, TITLE 24, CCR)

(2011 NATIONAL ELECTRICAL CODE WITH 2013 CALIFORNIA AMENDMENTS) 2013 CALIFORNIA MECHANICAL CODE (CMC) ..(PART 4, TITLE 24, CCR)

(2012 UNIFORM MECHANICAL CODE WITH 2013 CALIFORNIA AMENDMENTS) 2013 CALIFORNIA PLUMBING CODE (CPC). ..(PART 5, TITLE 24, CCR)

(2012 UNIFORM PLUMBING CODE WITH 2013 CALIFORNIA AMENDMENTS) 2013 CALIFORNIA ENERGY CODE. ..(PART 6, TITLE 24, CCR) (2008 EDITION CALIFORNIA ENERGY COMMISSION BUILDING ENERGY EFFICIENCY STANDARDS)

2013 CALIFORNIA FIRE CODE (CFC). ..(PART 9, TITLE 24, CCR) (2012 INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)

2013 CALIFORNIA GREEN BUILDING STANDARDS CODE ..(PART 11, TITLE 24, CCR) 2013 CALIFORNIA REFERENCED STANDARDS CODE. ..(PART 12, TITLE 24, CCR)

NFPA 13 - 2013 NFPA 72 - 2013

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS: 2013 CBC, CHAPTER 35

2013 CFC, CHAPTER 47

EXP. 06-30-2016

11-03-14

S IAL CARP USTRIES H SHELTE TIONAL INDU

ACS: D. FENLASON IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

A#04-113723 AC DA FLS My SS NOV 0 4 2014 Ch. P ROON POT

REVISIONS MARK DATE DESCRIPTION 4 STEL JOB # 14-1015 11-03-14

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GENERAL NOTES

FILE NUMBER: 33-H18 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITEC APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE 05/02/2017

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GENERAL NOTES

NO. DATE

PROJECT NO:

IDENTIFICATION STAMP

OFFICE OF REGULATION SERVICES

APPL# **04-115995**

AC _____ F/LS____ SS ____

GENERAL NOTES:

DEAD LOADS:

SNOW LOAD:

SOLAR:

DECK:

FRAMING:

ROOF LIVE LOAD (Lr):

GROUND

ROOF DECK

POINT LOAD

TOTAL DEAD LOAD:

BASIC WIND SPEED

RISK CATEGORY:

BY OTHERS OR GALVANIZED COAT.

WITH SOLAR PANELS INSTALLED

(3 SECOND GUST):

WIND IMPORTANCE FACTOR:

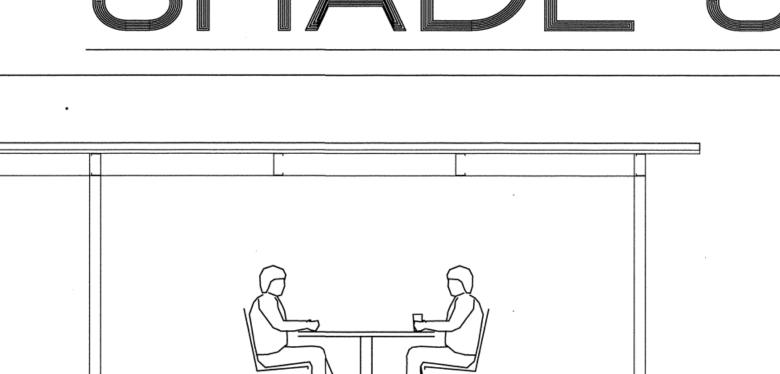
MAPPED SPECTRAL RESPONSE:

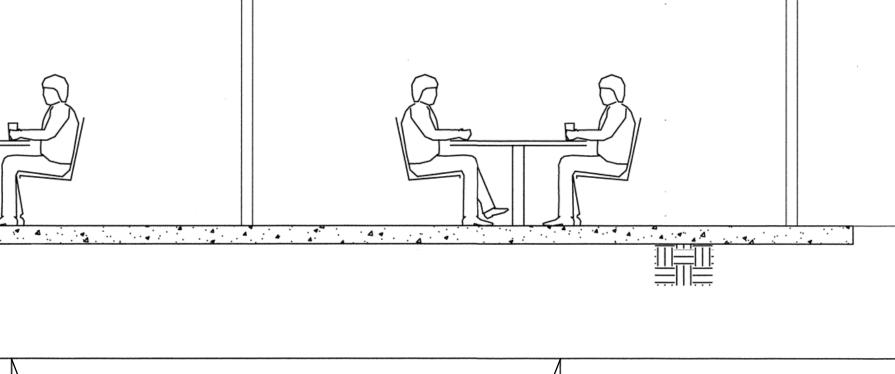
DIP PROCESS CONFORMING TO ASTM A 123-02.

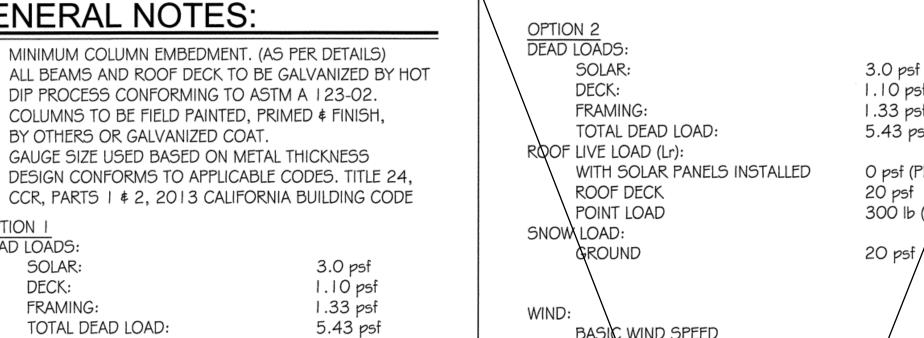
GAUGE SIZE USED BASED ON METAL THICKNESS

3.0 psf

Ss = 1.50







5.43 psf 0 psf (PER IR 16-8) 20 psf 300 lb (PER IR 16-8) 20 psf 115 mph DOWN: SEISMIC:

WIND EXPOSURE: INTERNAL PRESSURE: (OPEN STRUCTURE) Kz = 0.86 Kzt = 1.00COMPONENTS & CLADDING: 26.62 psf 26.96 psf SEISMIC IMPORTANCE FACTOR: 1.25 SITE CLASS: SEISMIC DESIGN CATEGORY: CANTILEVERED SEISMIC FORCE RESISTING: COLUMN EQUIVALENT ANALYSIS PROCEDURE: LATERAL FORCE

ACCELERATION: $S_1 = 1.39$ SPECTRAL RESPONSE: Sds=1.0COEFFICIENTS: $5d_1 = 1.39$ RESPONSE MODIFICATION FACTOR: R = 1.25V=1,917.3 lbs DESIGN BASE SHEAR: SEISMIC RESPONSE COEFFICIENT: $C_5 = 1.00$ MAPPED SPECTRAL RESPONSE: Ss=3.00 ACCELERATION: 51 = 1.39SPECTRAL RESPONSE: 5ds = 2.00

COEFFICIENTS: Sd1=1.39 RESPONSE MODIFICATION R = 2.5FACTOR: V=1,972.3 lbs DESIGN BASE SHEAR: SEISMIC RESPONSE COEFFICIENT: Cs=1.00

1.10 psf 1.33 psf 5.43 psf O psf (PER IR 16-8) 20 psf 300 lb (PER IR 16-8) 20 psf BASIC WIND SPEED (3 SECOND GUST): 1 1/5 mph RISK CATEGORY: WIND IMPORTANCE FACTOR: WIND EXPOSURE: INTERNAL PRESSURE: (OPEN STRUCTURE) Kd = 0.85Kz=0.86 Kzt = 1.00COMPONENTS & CLADDING: 26.62 psf 26.96 psf

1.25 SEISMIC IMPORTANCE FACTOR: SITE CLASS: SEISMIC DESIGN CATEGORY: SEISMIC FORCE RESISTING: CANTILEVERED COLUMN ANALYSIS PROCEDURE **EQUIVALENT** LATERAL FORCE MAPPED SPECTRAL RESPONSE: $S_5 = 1.50$

ACCELERATION: 51 = 1.39SPECTRAL RESPONSE: Sds=1.0COEFFICIENTS: $5d_1 = 1.39$ RESPONSE MODIFICATION FACTOR: DESIGN BASE SHEAR: SEISMIC RESPONSE COEFFICIENT: MAPPED SPECTRAL RESPONSE: ACCELERATION: SPECTRAL RESPONSE: COEFFICIENTS:

R = 1.25V=2,922.8 lbs Cs = 1.00 $S_5 = 3.00$ 5 = 1.399ds = 2.005di = 1.39RESPONSE MODIFICATION FACTOR: V=2,977.7 lbs DESIGN BASE SHEAR: SEISMIC RESPONSE COEFFICIENT:

SCREWS TO BE TEK SELF-DRILLING TAPPING SCREWS ICC # ESR-1976. AS MFGR. BY ITW BUILDEX. SELF DRILLING SCREWS ARE REFERRED TO AS SDS. SHEET METAL SCREWS ARE REFERRED TO AS SMS. ALL INDEPENDENT TESTING AND INSPECTION SHALL BE PAID FOR AND SCHEDULED BY THE OWNER. NO ELECTRICAL WORK INCLUDED.

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT. AS REQUIRED BY SECTION 4-338, PART I, TITLE 24, CCR. 10. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTIONS

OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SEC. 4-342. PART I, TITLE 24, CCR. MINIMUM CLASS II INSPECTOR SHALL BE HIRED.

OWNER TO SIGN DRILLING RELEASE BEFORE WORK **PROCEEDS**

12. SOLAR PANELS AND CONNECTIONS DESIGNED BY OTHERS; SOLAR PANELS AND ANY MATERIALS USED TO ATTACH SOLAR PANELS TO THE STRUCTURE MUST HAVE A TOTAL WEIGHT OF LESS THAN OR EQUAL TO 3.0 PSF. SOLAR PANELS MUST MEET CLASS "B" ROOFING MIN REQUIREMENTS PROVIDE CUT-SHEET OF MATERIAL AT BACK

13. CUSTOM SIZES \$ LOADING REQUIRE SUPPLEMENTARY SHOP DRAWINGS & CALCULATIONS 14. IF SNOW LOAD IS USED THEN Pg, Pf, Ps, Ce, I, Ct SHALL

BE USED ON SITE SPECIFIC PLANS. STRUCTURE HAVE NOT BEEN DESIGNED FOR DRIFT LOADS. IF SITE SPECIFIC SNOW LOAD EXISTS, STRUCTURES SHALL MAINTAIN A 20' MINIMUM SEPARATION DISTANCE OF THE ROOF AND HIGHER STRUCTURES OR TERRAIN FEATURES. 17. NO WELDING.

18. ALL DIMENSIONS ON FOUNDATION AND FRAMING PLANS ARE MEASURED ALONG SLOPE OF STRUCTURE.

SOLAR NOTES

VIEW DIMENSION.

BUILDING DATA

OTHERS AT TIME OF SPECIFIC PROJECT SUBMITTAL.

II - B CONSTRUCTION - NONCOMBUSTIBLE CONSTRUCTION

DRAWING INDEX

GENERAL NOTES GENERAL NOTES

SHEET S-4 -FRAMING/FOUNDATION PLAN (OPTION 2) SHEET S-5 -**ELEVATIONS** CONNECTION DETAILS

TESTING \$ INSPECTION REQUIREMENTS SHEET S-10 - CONNECTION DETAILS

SHEET S-I -SHEET S-2 -

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

4. REINFORCEMENT BARS #5 AND GREATER SHALL BE ASTM A615, GR60. BARS 302-IR. INSTALLATION OF BONDING AGENT.

CONCRETE NOTES

- 1. CONCRETE MIN. 3000 psi AT 28 DAYS. (NOTE: DESIGN BASED ON 3000 psi) IF 3500 psi OR GREATER IS UTILIZED, CONTINUOUS BATCH PLANT INSPECTION MAY BE WAIVED PER 2013 CBC 1705A.3.3 AND PERIODIC INSPECTION SHALL COMPLY WITH NOTE 10.
- 2. CONCRETE TO REACH 1000 psi PRIOR TO REMOVAL OF SHORING AND/OR INSTALLATION OF BEAMS AND PURLINS. (NOTE: A HIGHER COMPRESSIVE CONCRETE MAY BE USED TO ACHIEVE 1000 psi SOONER. SUBMIT AN APPROVED CONCRETE MIX DESIGN TO JUSTIFY)
- CONCRETE TO REACH 3000 psi PRIOR TO INSTALLATION OF SOLAR PANELS. (NOTE: A HIGHER COMPRESSIVE CONCRETE MAY BE USED TO ACHIEVE 3000 psi SOONER. SUBMIT AN APPROVED CONCRETE MIX DESIGN TO JUSTIFY)
- LESS THAN #5 SHALL BE ASTM AG 15, GR40 MINIMUM. 5. MINIMUM CONCRETE COVER SHALL BE 21/2" TO EARTH (DRILLED PIER FOUNDATIONS ONLY), 3" TO EARTH ALL OTHER CONCRETE, 2" TO SKY. PER CBC
- TABLE 1808A.8.2 6. ALL REINFORCING STEEL AND OTHER EMBEDDED ITEMS SHALL BE SECURELY
- POSITIONED PRIOR TO THE POURING OF CONCRETE. 7. ALL CONCRETE WORK SHALL COMPLY WITH ACI 301 \$ 318 LATEST EDITION.
- 8. AGGREGATE GRADATION AND QUALITY SHALL BE IN ACCORDANCE WITH ACI
- 9. COLD JOINTS SHALL HAVE A ROUGHENED SURFACE. CONCRETE BONDING AGENT TO BE USED SHALL HAVE A TENSILE STRENGTH EXCEEDING 7.5√fc. WHERE I'C IS THE CONCRETE COMPRESSIVE STRENGTH OF THE SITE SPECIFIC CONCRETE BEING USED. A SUBMITTAL FOR CONCRETE BONDING AGENT SHALL BE APPROVED BY DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO INSTALLATION. DSA INSPECTOR OF RECORD TO PERIODICALLY INSPECT
- 10. WHEN CONTINUOUS BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING PERIODIC INSPECTION REQUIREMENTS SHALL APPLY:
 - QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT THE START OF THE DAY.
 - LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A BATCH TICKET.
 - BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS IDENTIFYING EACH TRUCK, ITS LOAD, AND TIME OF RECEIPT, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT
- 11. CONCRETE MAY BE PUMPED, POURED, TREMIED, TAILGATED, FUNNELED OR OTHER SUCH METHODS INTO PLACE. CONCRETE SHALL BE ALLOWED TO FREE FALL THE ENTIRE DEPTH OF THE FOUNDATION. PLACEMENT OF ANY FREE-FALL CONCRETE SHALL BE SUCH THAT THE CONCRETE DOES NOT ALTER THE EMBEDMENT DEPTH OR THE CLEARANCE OF THE REINFORCING BAR CAGE OR OTHER EMBEDDED MATERIALS.

SOILS NOTES

- . FOUNDATION SELECTIONS TO BE BASED ON CLASS W SOILS (SOIL CLASS 5 OF CBC TABLE 1806A.2) IN THE SOIL CLASS TABLE BELOW UNLESS A GEOTECHNICAL REPORT IS SUBMITTED WITH
- 2. THE SITE-SPECIFIC GEOTECHNICAL REPORT IS TO BE SPECIFIC TO THE LOCATION OF THE CBC SECTION 1803A
- 3. THE SITE-SPECIFIC GEOTECHNICAL REPORT SHALL SPECIFY THAT THE LATERAL BEARING PRESSURE IS PERMITTED TO BE INCREASED BY ONE-THIRD WHERE USED WITH THE ALTERNATIVE BASIC LOAD COMBINATION OF CBC SECTION 1605A.3.2 THAT INCLUDE WIND OR EARTHQUAKE LOADS.
- PRESSURE DOES OR DOES NOT ACT OVER A PROJECTED AREA EQUAL TO TWO TIMES THE PIER DIAMETER. IF THE LATERAL BEARING PRESSURE DOES, THE LATERAL BEARING PRESSURE IS PERMITTED TO BE DOUBLED. 5. ALL STRUCTURES ARE PERMITTED TO HAVE THE INCREASE OF THE LATERAL BEARING PRESSURES
- OF CBC SECTION 1806A.3.4 (DOUBLE THE ALLOWABLE LATERAL BEARING PRESSURE IF GROUND MOTION OF 1/2" DOES NOT ADVERSELY AFFECT THE STRUCTURE). GEOTECHNICAL ENGINEER TO ADDRESS IF ALLOWABLE TO DOUBLE LATERAL BEARING PRESSURE IN
- 6. GEOTECHNICAL ENGINEER TO SPECIFICALLY ADDRESS IF NOTES 5 \$ 6 MAY BE APPLIED SIMULTANEOUSLY. (SAMPLE: ALLOWABLE LATERAL BEARING PRESSURE OF 100 psf/ft MAY BE USED AT THIS SITE WITH AN ALLOWABLE INCREASE FOR 1/2" GROUND MOTION DOUBLING THE ALLOWABLE LATERAL BEARING TO 200 psf/ft. ADDITIONALLY, DUE TO THE FOUNDATION PIER SPACING, IT IS ACCEPTABLE TO DOUBLE TO ALLOWABLE LATERAL PRESSURE TO 400 psf/ft.)
- CAPACITY AND THE ALLOWABLE VERTICAL BEARING CAPACITIES SUCH THAT A CLASS OF SOIL FROM THE BELOW LIST MAY BE SELECTED FOR FOUNDATION SELECTIONS. 8. A COPY OF THE GEOTECHNICAL REPORT SHALL BE PROVIDED AT THE TIME OF PLAN REVIEW.
- SHALL BE DETERMINED PER NOTE 11.
- DETERMINED TO BE ACCEPTABLE BY THE SITE-SPECIFIC GEOTECHNICAL ENGINEER ONCE ALLOWABLE SOILS VALUES HAVE BEEN ADJUSTED APPROPRIATELY PER THE SITE-SPECIFIC GEOTECHNICAL REPORT.

ALLOWABLE	ALLOWABLE BEARING AND LATERAL BEARING				
SOILS CLASS	ALLOWABLE BEARING PRESSURE (psf)	LATERAL BEARING (psf/ft BELOW NATURAL GRADE)			
CLASS W	1500	200			
CLASS X	2000	300			
CLASS Y	2000	400			

II. GEOTECHNICAL REPORT TO PROPERLY CONSIDER ALL SOILS NOTES AND PROVIDE FINAL SUMMARIZING RECOMMENDATIONS SPECIFICALLY STATING THE SOILS CLASS TO BE SELECTED FOR THE SITE.

FOR EXAMPLE:

THE ALLOWABLE LATERAL BEARING PRESSURE IS 100 psf/ft. WITH THE PIER SPACING GREATER THAN 6'-0" O.C. THE LATERAL BEARING PRESSURE MAY BE ASSUMED TO ACT ON TWICE THE DIAMETER OF THE PIER AND UTILIZE A LATERAL BEARING PRESSURE OF 200 psf/ft. SINCE THE STRUCTURES HAVE BEEN DESIGNED TO ACCOMMODATE & DEFLECTION AT THE GROUND THE ALLOWABLE BEARING PRESSURE MAY BE DOUBLED. THE ALLOWABLE LATERAL BEARING PRESSURE MAY BE DOUBLED TWICE TO A VALUE OF 400 psf/ft. THEREFORE THE SOIL IS CLASS Y AND THE FOUNDATIONS ON SHEET 5-8 SHALL BE BASED ON CLASS Y.

STEEL NOTES

- 3. ZINC COATED CONFORMANCE WITH G60 STANDARD OR BETTER, COLD FORM MEMBERS TO BE GALVANIZED IN ACCORDANCE WITH ASTM AG53. TUBE STEEL MEMBERS AND PLATES IN ACCORDANCE WITH ASTM A I 23.
- 4. FASTENERS SHALL BE GALVANIZED, CADMIUM PLATED, OR ZINC COATED.
- 6. ALL PLATES AND ANGLES TO BE ASTM A36 U.N.O.
- 8. ALL PURLINS TO BE ASTM A653 GR. 55.

PRE-CHECK (PC) DOCUMENT **CODE: 2013 CBC** A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

- SITE-SPECIFIC PARAMETERS.
- PHOTOVOLTAIC STRUCTURES. BORING SHALL BE DONE AT THE SPECIFIC LOCATION WHERE THE PHOTOVOLTAIC STRUCTURES ARE TO OCCUR. THE GEOTECHNICAL REPORT SHALL CONFORM WITH
- 4. THE SITE SPECIFIC GEOTECHNICAL ENGINEER SHALL SPECIFY WHETHER THE LATERAL BEARING

- 7. THE SITE-SPECIFIC GEOTECHNICAL REPORT SHALL STATE THE ALLOWABLE LATERAL BEARING
- 9. THE SOILS CLASSES IN THE CHART BELOW ARE THE VALUES USED IN THE CALCULATIONS TO DETERMINE THE REQUIRED FOUNDATION DEPTHS. THESE VALUES HAVE NOT BEEN DOUBLED OR ADJUSTED BASED ON SITE-SPECIFIC CONDITIONS. SITE-SPECIFIC SELECTIONS OF SOILS CLASS
- 10. A SOILS CLASS SHALL BE SELECTED ON THE SITE-SPECIFIC PLANS BASED ON THE FINAL VALUES

<	S 5885 EXP. 06-30-2016

TIONAL CARF INDUSTRIES UNCH SHELT

IDENTIFICATION STAMP

Jo P.O. Sher PH. FAX www

THE ALLOWABLE VERTICAL BEARING PRESSURE IS 1,500 psf AND MAY BE INCREASED TO 500 psf FOR EACH ADDITIONAL DEPTH BELOW 1'-0" BELOW THE SURFACE.

- COLD FORMED STEEL SIZES ARE BASED ON GAUGE THICKNESS.
- 2. PURLINS, BEAMS, POSTS (FRAMING MEMBERS) HAVE MIN. YIELD STRENGTHS AS INDICATED.
- 5. ALL BOLTS TO MEET OR EXCEED ASTM A307. NO BOLTING INSPECTIONS REQUIRED.
- 7. ALL STRUCTURAL TUBING TO BE ASTM A 1 085 U.N.O.
- 9. ALL MEMBERS TO BE GALVANIZED OR PRIMED AND PAINTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ALL CONTRACT DOCUMENTS SHALL SPECIFY THE TYPE OF SSPC CORROSION RESISTING SYSTEM TO BE UTILIZED AND THE SSPC GRADE FOR CLEANING, MINIMUM SSPC GRADE SP2.

DIV. OF THE STATE ARCHITECT REVISIONS MARK DATE DESCRIPTION 4 STEL JOB# 14-1015 11-03-14 DRAWN BY

CHECKED

AHJ APPROVAL

GENERAL

NOTES

FILE NUMBER: 33-H18 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITEC APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE <u>05/02/2017</u>

designstudio

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AUTO LIFT

MURRIETA VALLEY HIGH SCHOOL

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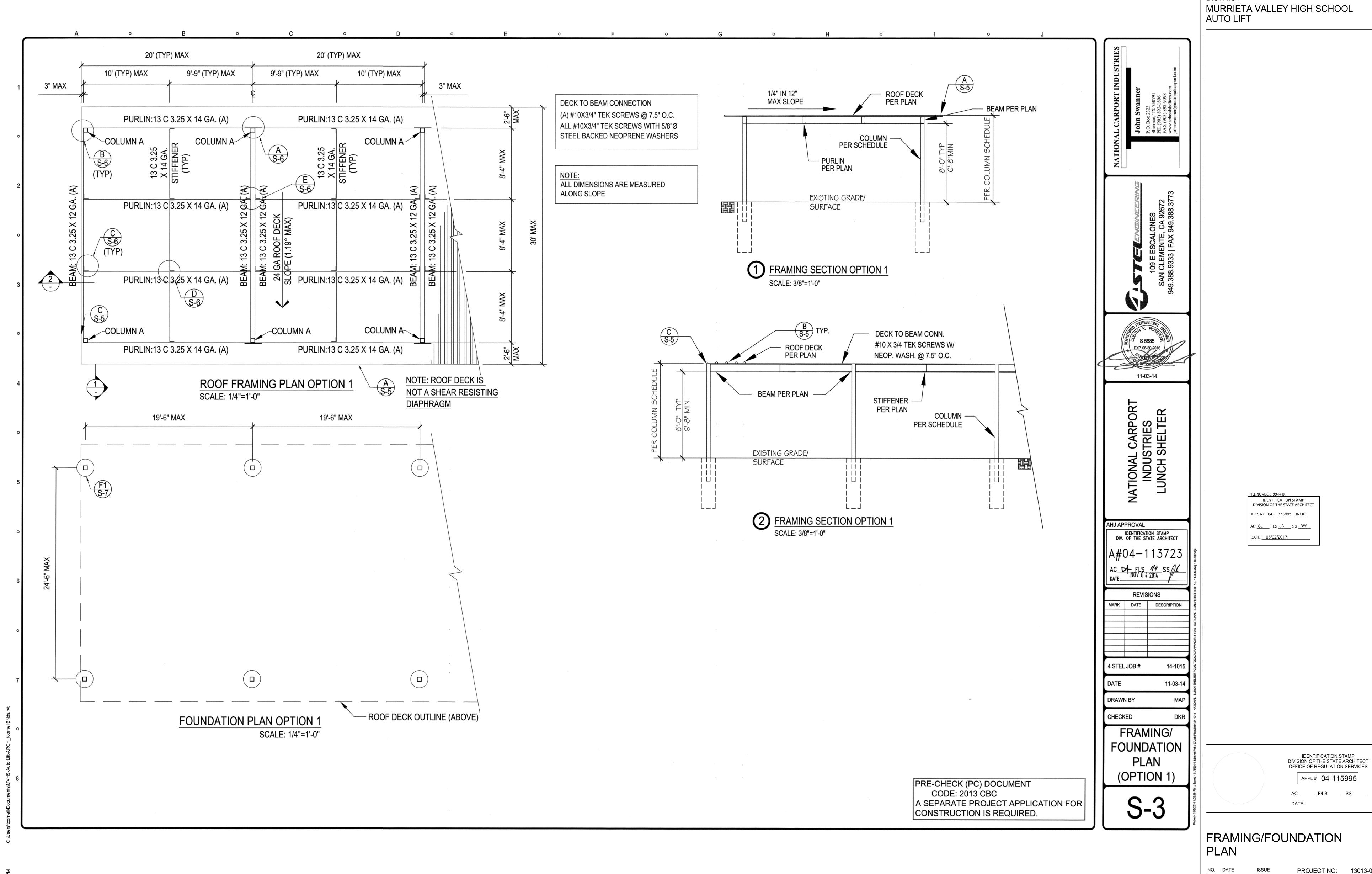
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GENERAL NOTES

NO. DATE

PROJECT NO: DATE: 5/2/2017

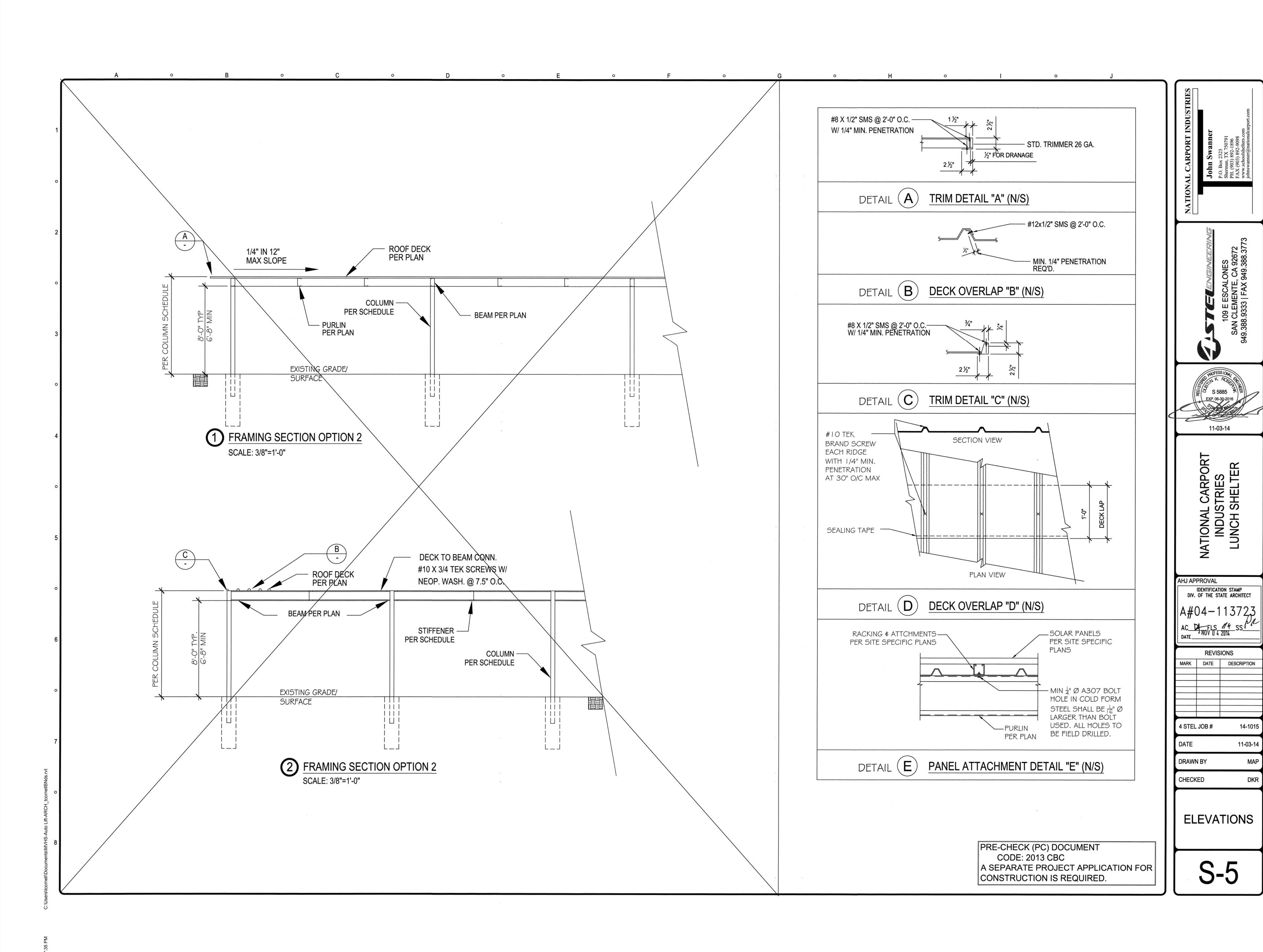


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DISTRICT

NO. DATE ISSUE

DATE: 5/2/2017



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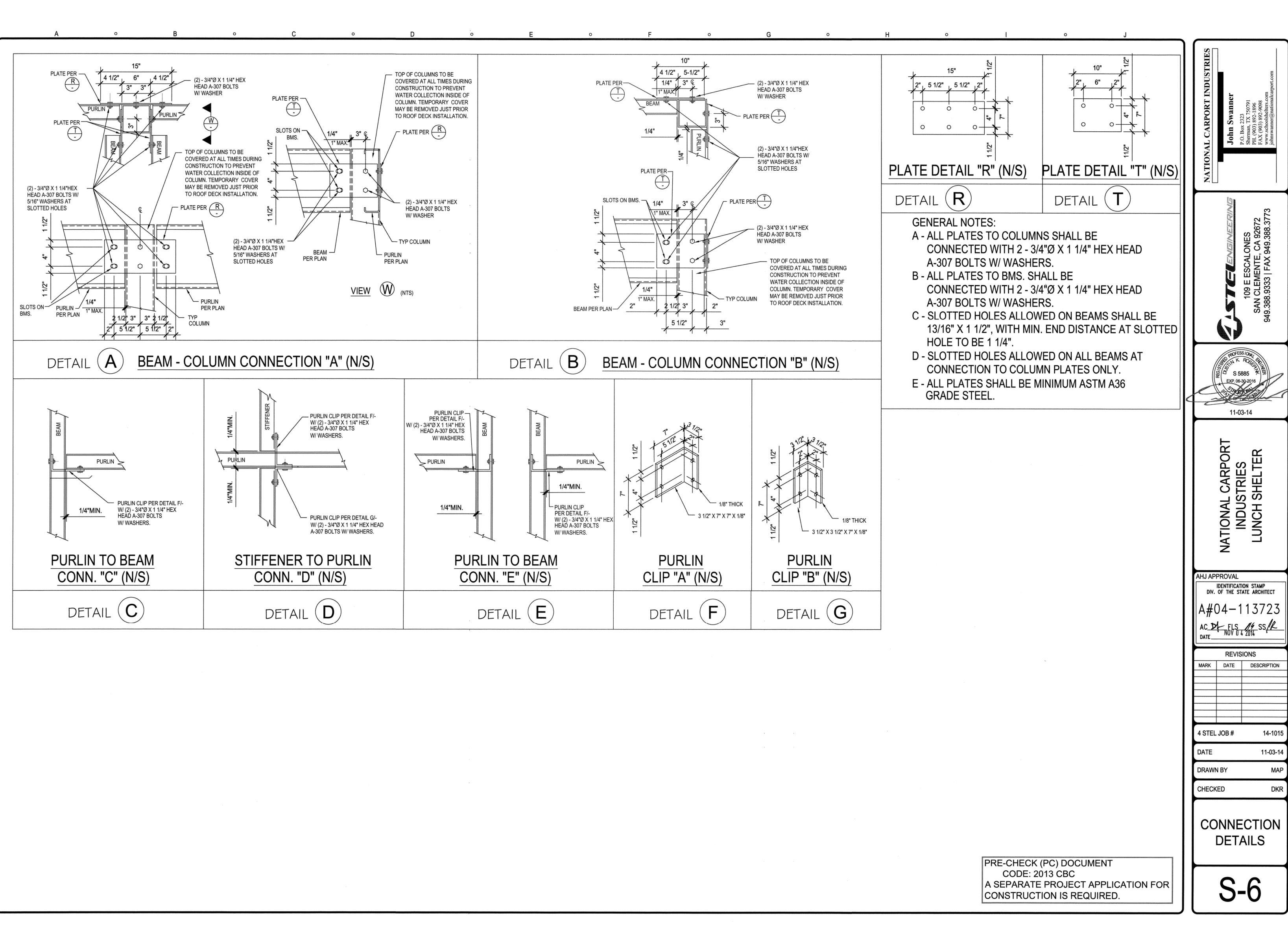
DISTRICT MURRIETA VALLEY HIGH SCHOOL **AUTO LIFT**

> FILE NUMBER: 33-H18
>
> IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE 05/02/2017

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL# 04-115995 AC _____ F/LS____ SS ____

ELEVATIONS

NO. DATE ISSUE PROJECT NO: DATE: 5/2/2017



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11-03-14

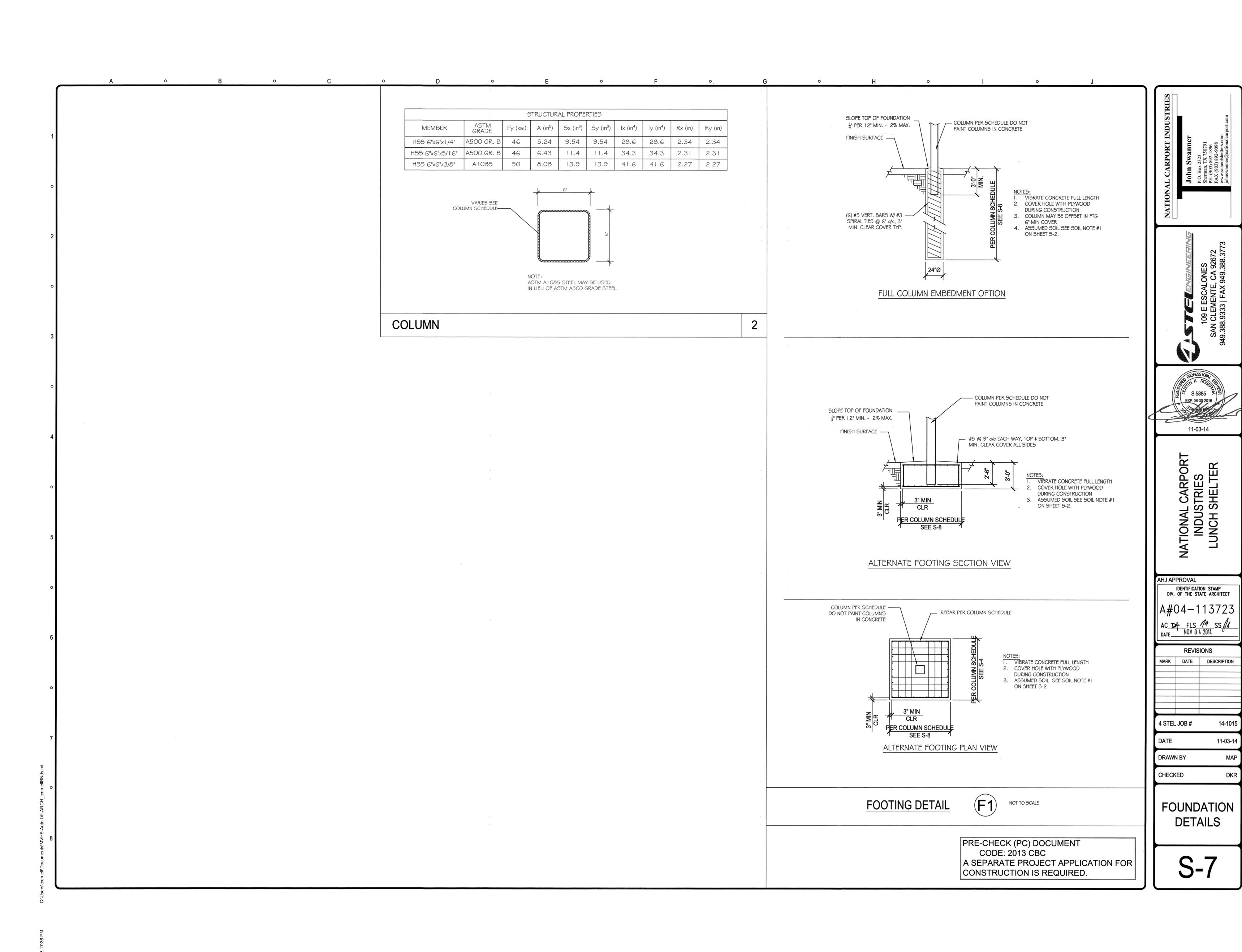
FILE NUMBER: 33-H18 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITEC APP. NO: 04 - 115995 INCR: AC SL FLS JA SS DW DATE <u>05/02/2017</u>

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES APPL# **04-115995** AC _____ F/LS____ SS ____

CONNECTION DETAILS

NO. DATE PROJECT NO: ISSUE

DATE: 5/2/2017





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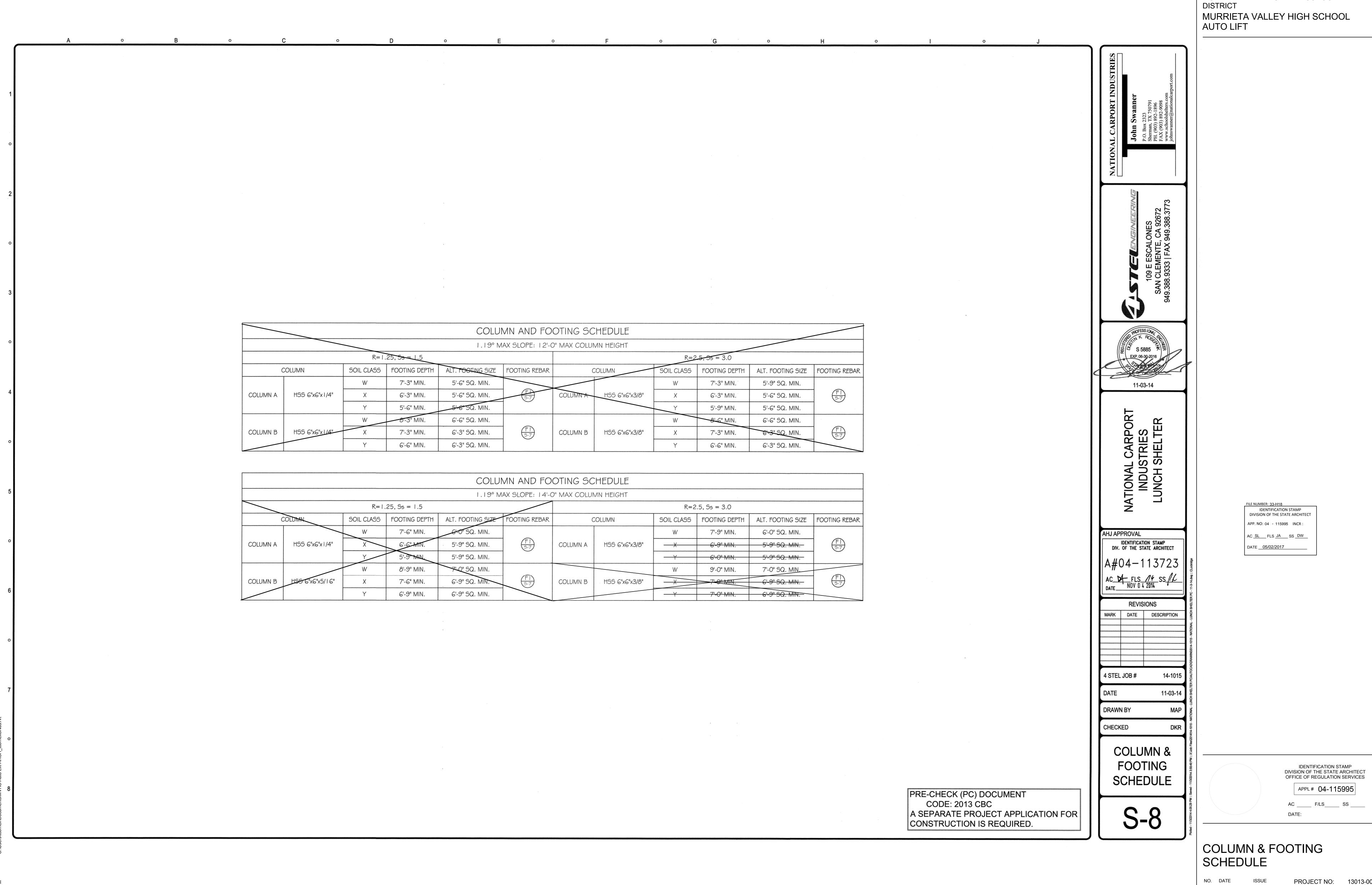
APPL # 04-115995

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FOUNDATION DETAILS

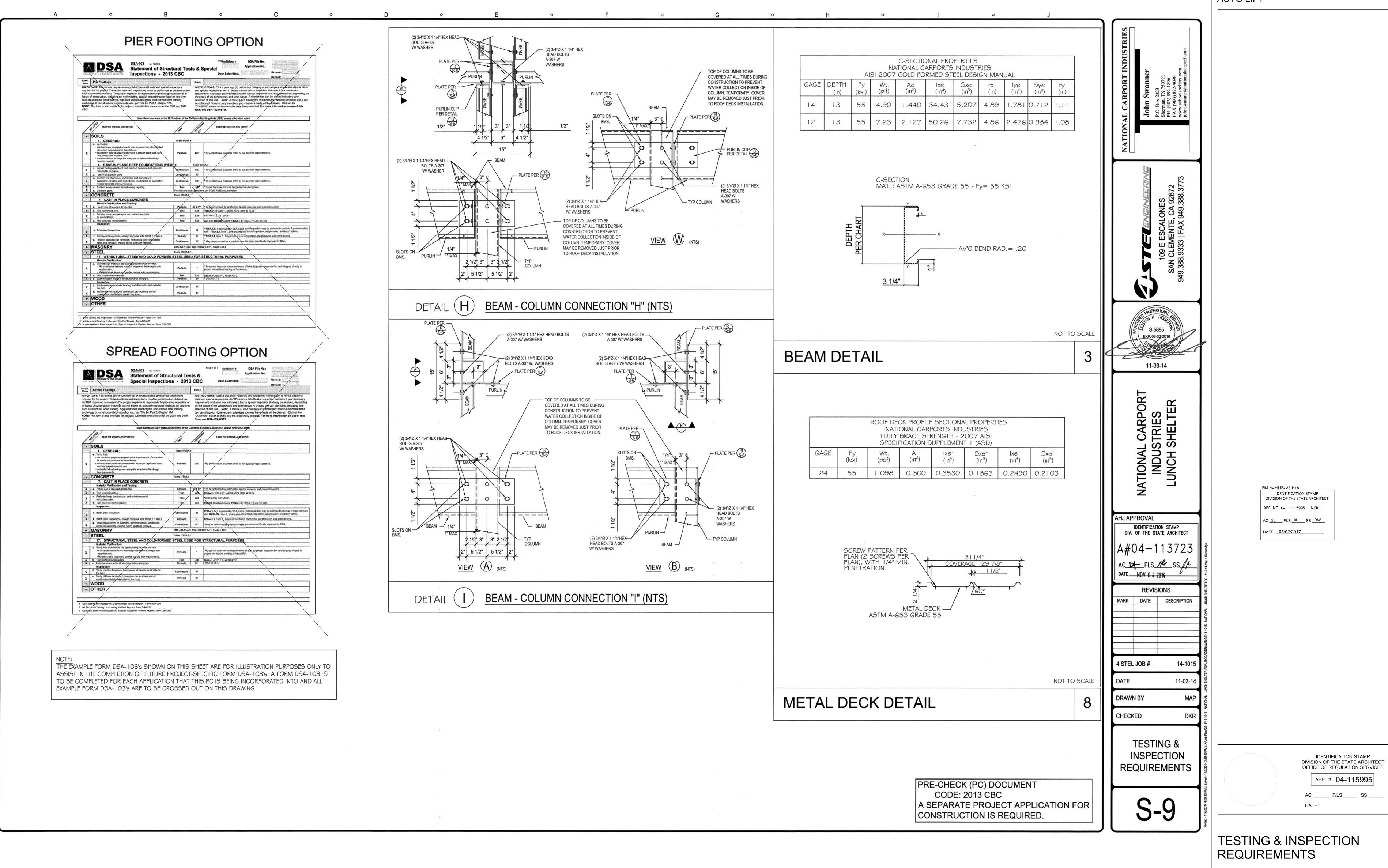
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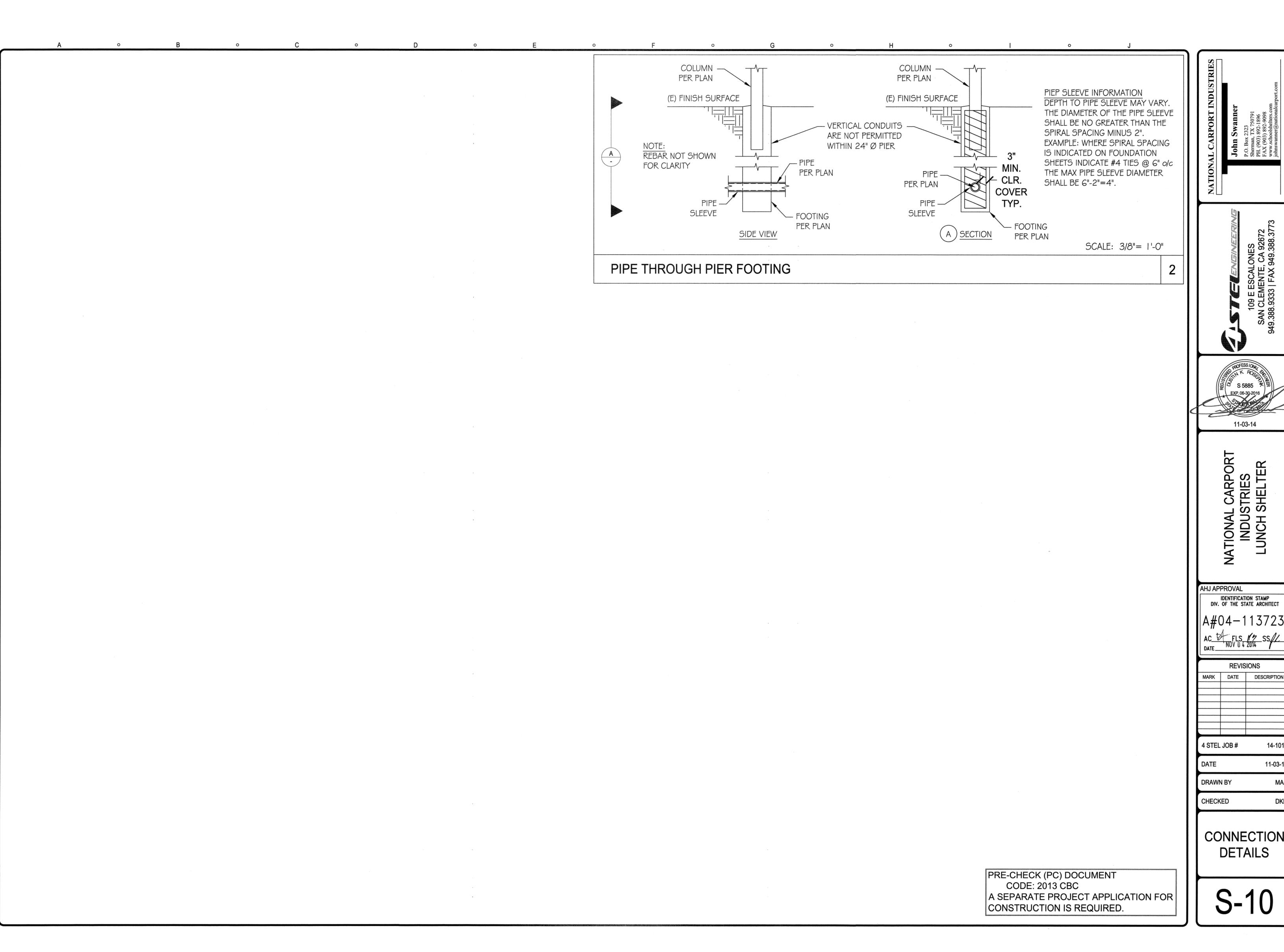
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CONNECTION DETAILS

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PROJECT NO: DATE: 5/2/2017