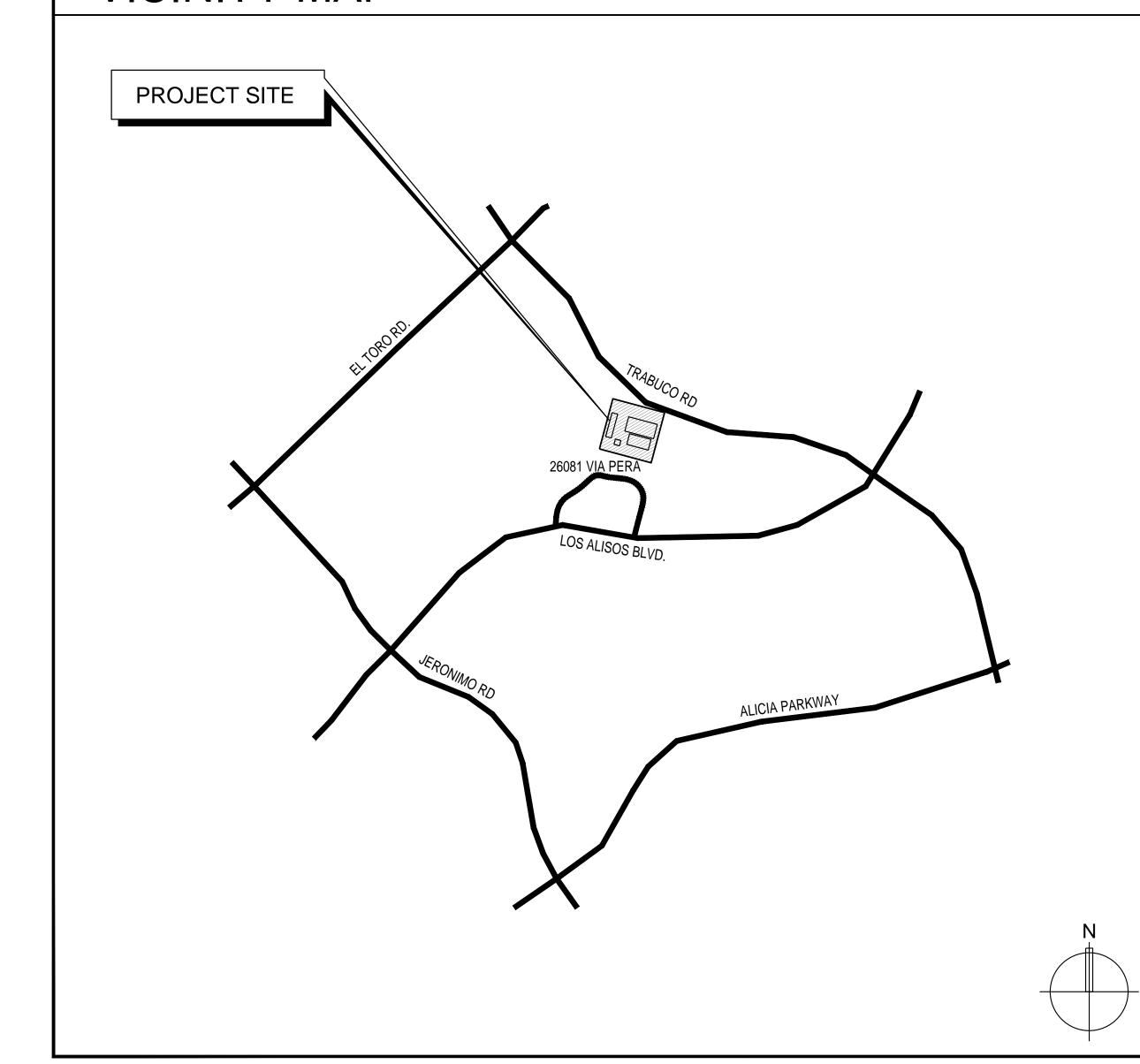
WATER EMERGENCY RESPONSE ORGANIZATION OF ORANGE COUNTY SOUTH EMERGENCY OPERATIONS CENTER

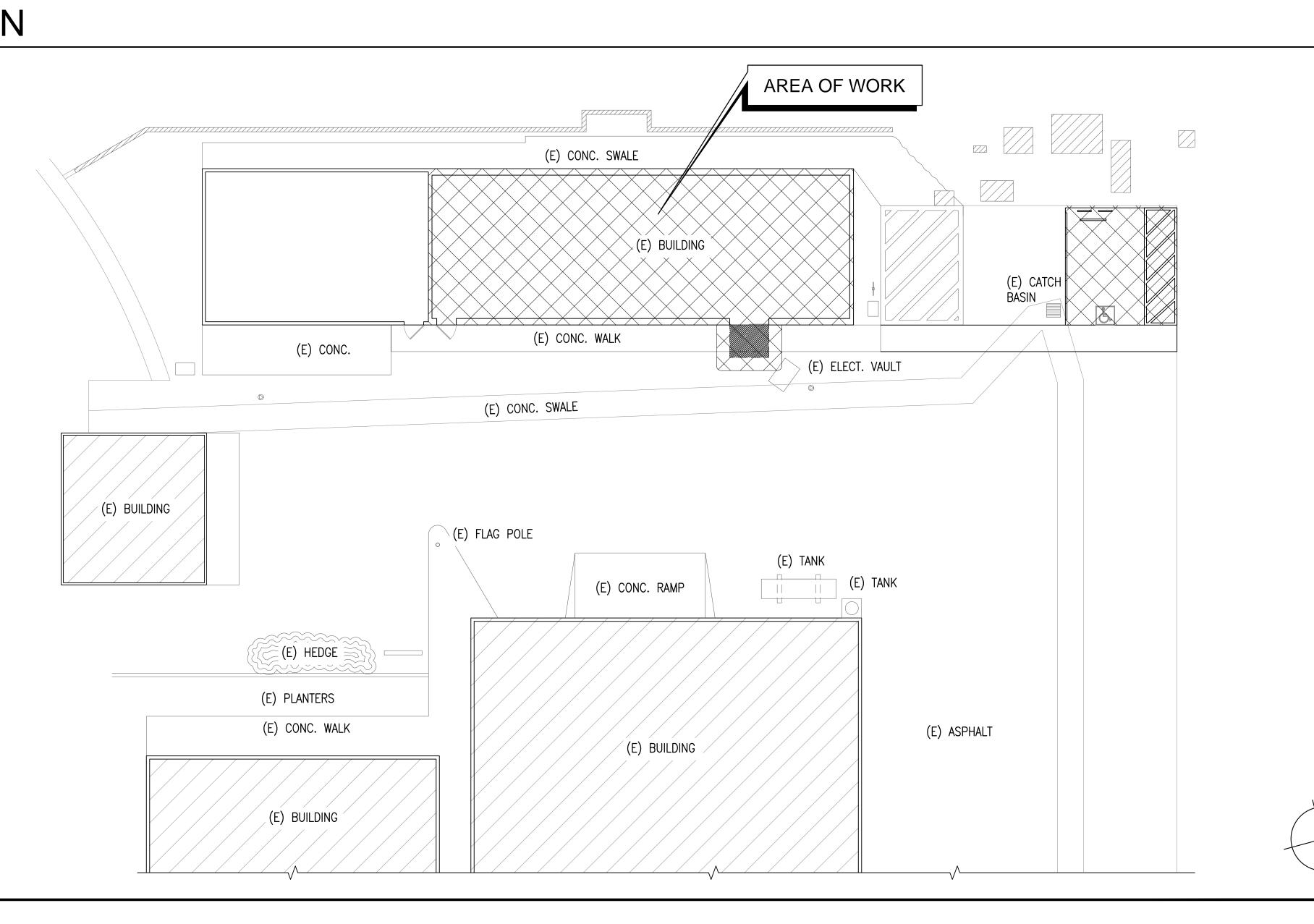
26081 VIA PERA MISSION VIEJO, CA 92691

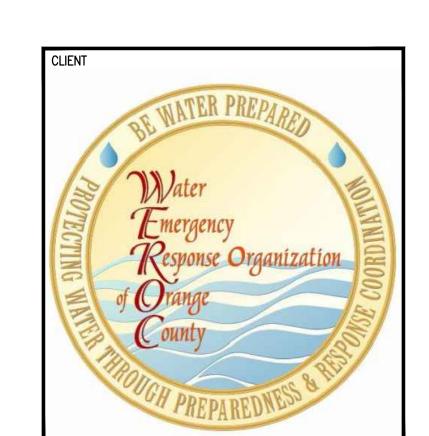
SUPPORT AND BRACING OF NON-STRUCTURAL ELEMENTS

PROJECT DESCRIPTION	PROJECT DATA	SCOPE OF WORK	CONTACTS	SHEET INDEX
THIS PROJECT IS INTENDED TO IMPROVE THE SEISMIC PERFORMANCE OF THE CEILING SYSTEM AT WEROC'S SOUTH EMERGENCY OPERATIONS CENTER IN MISSION VIEW. THE CEILING WILL BE REPLACED WITH A CEILING THAT IS COMPLIANT WITH ESSENTIAL SERVICES FACILITIES REQUIREMENTS. THE PROJECT ALSO INCLUDES THE ADDITION OF PARTITION BRACES, WATER HEATER BRACING AND ACCESSIBILITY UPGRADES. IT IS NOT INTENDED OR REQUIRED TO UPGRADE THE ENTIRE BUILDING OR TO UPGRADE THE BUILDING GENERALLY FOR CURRENT CODE OR ESSENTIAL SERVICES FACILITY PERFORMANCE.	PROJECT ADDRESS: 26081 VIA PERA MISSION VIEJO, CA 92691 APN: 809−521−03 YEAR BUILT: 1981 STORIES: 1 CONSTRUCTION TYPE: □ B OCCUPANCY: B AREA: 2400 S.F. (TOTAL) OCCUPANT LOAD: OFFICE: 635 S.F./100 = 7 BOARD ROOM: 640 S.F./15 = 43/50	THE SCOPE OF WORK FOR THIS PROJECT CONSISTS OF THE FOLLOWING ITEMS: 1. REMOVE AND REPLACE THE CEILING WITH A CEILING HAVING SUPPORTS AND BRACING THAT COMPLY WITH THOSE FOR AN ESSENTIAL FACILITY. 2. RESUPPORTS AND BRACING COMPLYING WITH THOSE FOR AN ESSENTIAL FACILITY. 3. PROVIDE ADDITIONAL PARTITION BRACING. 4. PROVIDE ONE ACCESSIBLE PARKING STALL AND PATH OF TRAVEL TO THE BUILDING ENTRANCE FOR CODE COMPLIANCE. APPLICABLE CODES 2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 1, TITLE 24 C.C.R. 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. 2016 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R. 2016 TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS. AMERICANS WITH DISABILITIES ACT	OWNER: EL TORO WATER DISTRICT 24251 LOS ALISOS BLVD. LAKE FOREST, CA 92630 CONTACT: DENNIS CAFFERTY, GENERAL MANAGER PHONE: 949–837–7050 x 223 LESSEE: MUNICIPAL WATER DISTRICT OF ORANGE COUNTY 18700 WARD STREET FOUNTAIN VALLEY, CA 92708 CONTACT: KELLY HUBBARD, EMERGENCY SERVICE MANAGER PHONE: 714–593–5010 STRUCTURAL ENGINEER: IDS GROUP, INC. 1 PETERS CANYON ROAD, SUITE 130 IRVINE, CA 92606 PHONE: (949) 387–8500	0.0 COVER SHEET 0.1 PARTIAL SITE PLAN 0.2 ACCESSIBILITY DETAILS 1.0 GENERAL NOTES 2.1 FLOOR PLAN 2.2 REFLECTED CEILING AND ROOF FRAMING 3.0 DETAILS 4.0 PHOTOS

VICINITY MAP SITE PLAN







PROJECT NAME

WATER EMERGENCY
RESPONSE ORGANIZATION
OF ORANGE COUNTY
SOUTH EMERGENCY
OPERATIONS CENTER

SUPPORT AND BRACING OF NON-STRUCTURAL ELEMENTS

26081 VIA PERA

ARCHITECT



1 PETERS CANYON ROAD, SUITE 130 IRVINE, CA 92606 TEL: 949-387-8500 FAX: 949-387-0800

STAMP



ISSUE		
REV.	DESCRIPTION	DATE
\triangle	PLAN CHECK 1ST REVIEW	4/11/18

PROJECT NO. 17S020.01
PRINT DATE

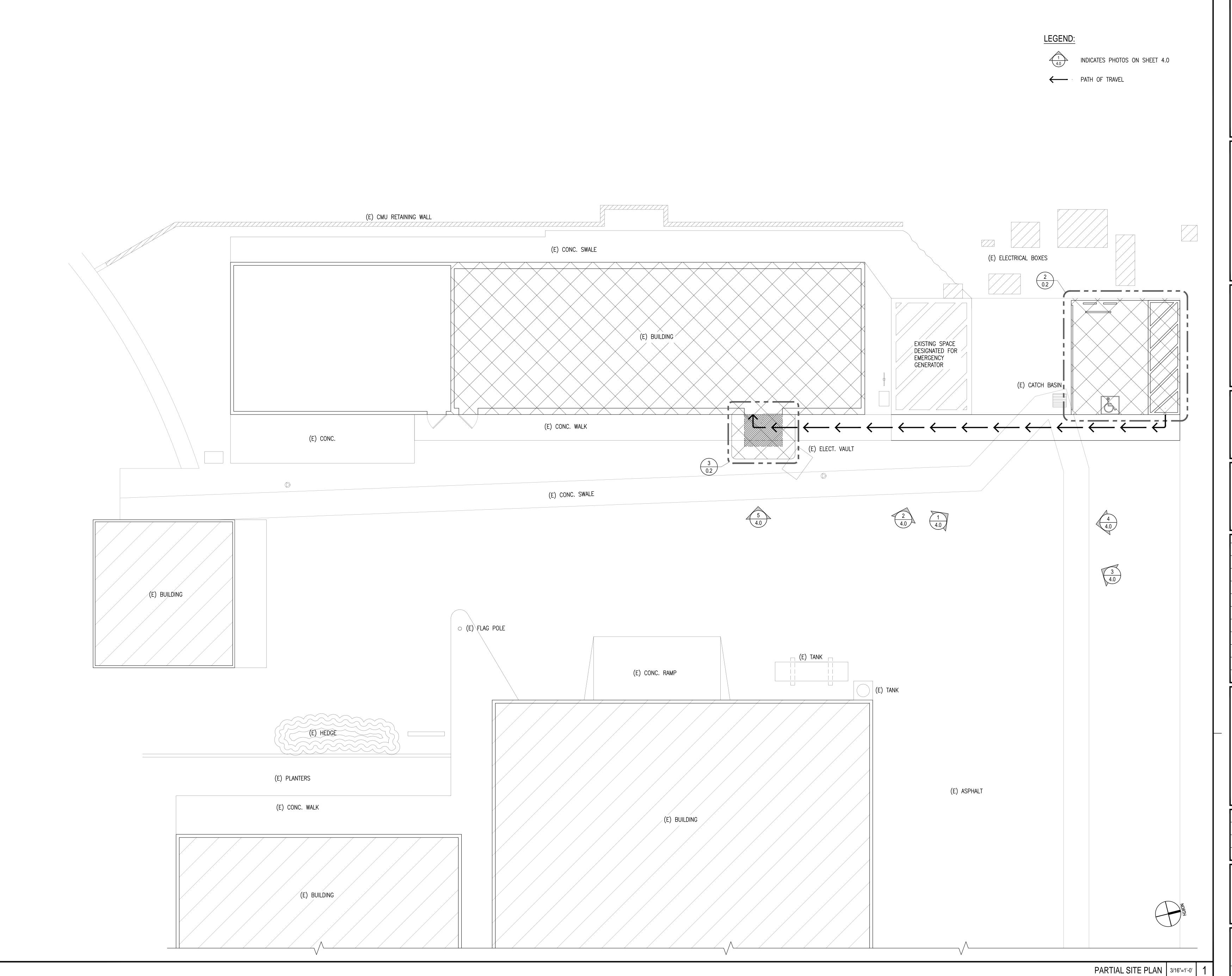
DRAWN BY -.
CHECKED BY D.P

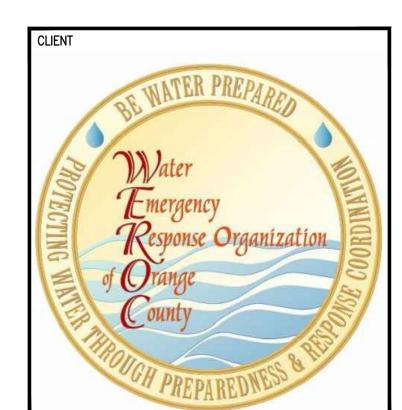
SHEET TITLE

COVER SHEET

SHEET NUMBER

SHEET NO. OF XX





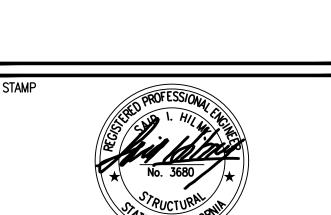
WATER EMERGENCY
RESPONSE ORGANIZATION
OF ORANGE COUNTY
SOUTH EMERGENCY
OPERATIONS CENTER

SUPPORT AND BRACING OF NON-STRUCTURAL ELEMENTS

26081 VIA PERA MISSION VIEJO, CA 92691



1 PETERS CANYON ROAD, SUITE 130 IRVINE, CA 92606 TEL: 949-387-8500, FAX: 949-387-0800



DATE SIGNED: 02-27-2018

ISSUE		
REV.	DESCRIPTION	DATE
<u>1</u>	PLAN CHECK 1ST REVIEW	4/11/18

PROJECT NO. 17S020.01
PRINT DATE

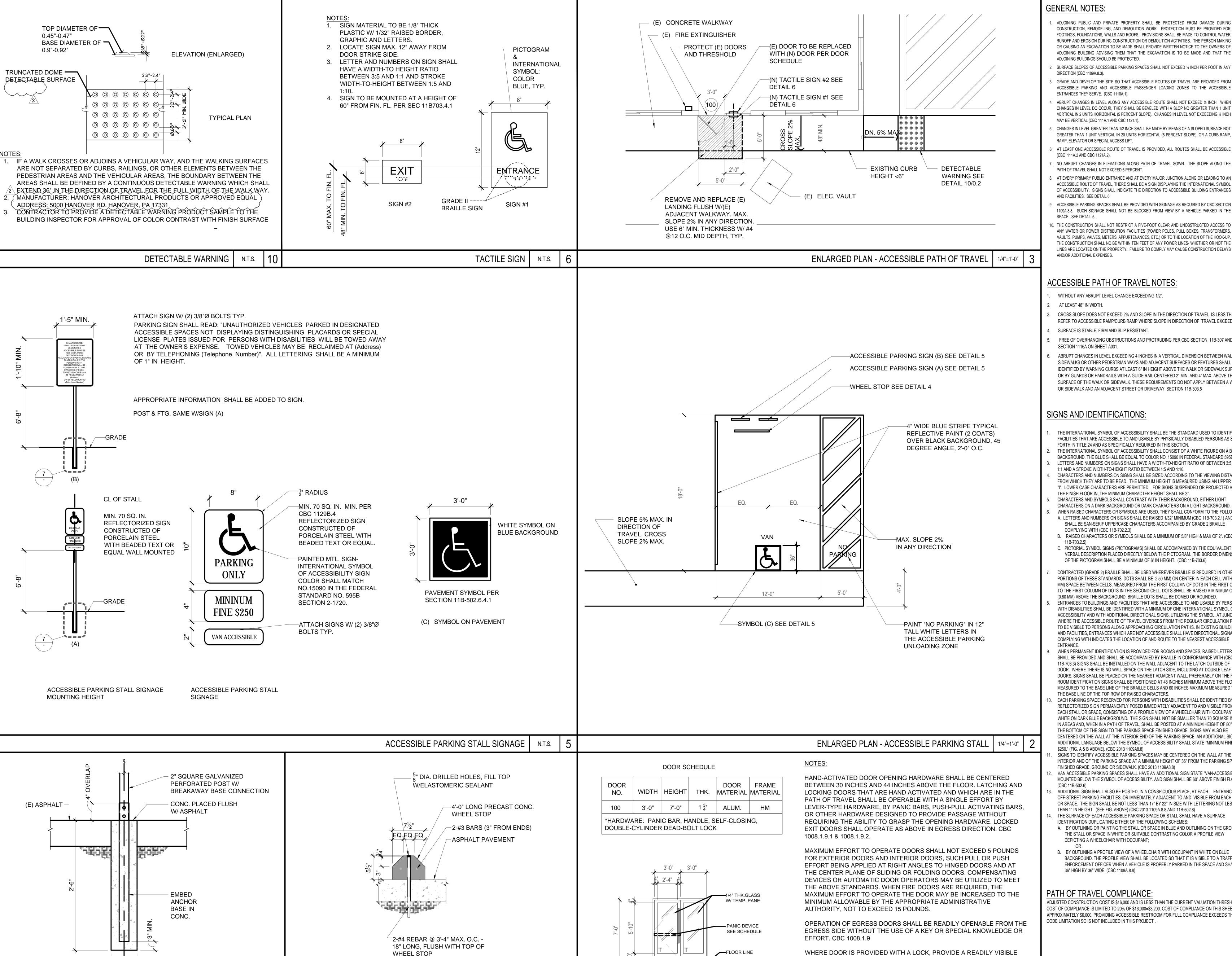
DRAWN BY -.
CHECKED BY D.P

SHEET TITLE

PARTIAL SITE PLAN

SHEET NUMBER

SHEET NO. OF XXX



WHEEL STOP DETAIL

N.T.S.

6"DIA.

DETAIL

N.T.S.

GENERAL NOTES:

- ADJOINING PUBLIC AND PRIVATE PROPERTY SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION, REMODELING, AND DEMOLITION WORK. PROTECTION MUST BE PROVIDED FOR FOOTINGS, FOUNDATIONS, WALLS AND ROOFS. PROVISIONS SHALL BE MADE TO CONTROL WATER RUNOFF AND EROSION DURING CONSTRUCTION OR DEMOLITION ACTIVITIES. THE PERSON MAKING OR CAUSING AN EXCAVATION TO BE MADE SHALL PROVIDE WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDING ADVISING THEM THAT THE EXCAVATION IS TO BE MADE AND THAT THE ADJOINING BUILDINGS SHOULD BE PROTECTED.
- SURFACE SLOPES OF ACCESSIBLE PARKING SPACES SHALL NOT EXCEED ¼ INCH PER FOOT IN ANY DIRECTION (CBC 1109A.8.3).
- 3. GRADE AND DEVELOP THE SITE SO THAT ACCESSIBLE ROUTES OF TRAVEL ARE PROVIDED FROM ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES TO THE ACCESSIBLE ENTRANCES THEY SERVE. (CBC 1110A.1).
- . ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED ½ INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOP NO GREATER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL (5 PERCENT SLOPE). CHANGES IN LEVEL NOT EXCEEDING 1/4 INCH
- 5. CHANGES IN LEVEL GREATER THAN 1/2 INCH SHALL BE MADE BY MEANS OF A SLOPED SURFACE NOT GREATER THAN 1 UNIT VERTICAL IN 20 UNITS HORIZONTAL (5 PERCENT SLOPE), OR A CURB RAMP, RAMP, ELEVATOR OR SPECIAL ACCESS LIFT
- 6. AT LEAST ONE ACCESSIBLE ROUTE OF TRAVEL IS PROVIDED, ALL ROUTES SHALL BE ACCESSIBLE (CBC 111A.2 AND CBC 1121A.2).
- 7. NO ABRUPT CHANGES IN ELEVATIONS ALONG PATH OF TRAVEL SOWN. THE SLOPE ALONG THE
- PATH OF TRAVEL SHALL NOT EXCEED 5 PERCENT 8. AT EVERY PRIMARY PUBLIC ENTRANCE AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN
- OF ACCESSIBILITY. SIGNS SHALL INDICATE THE DIRECTION TO ACCESSIBLE BUILDING ENTRANCES AND FACILITIES. SEE DETAIL 6
- . ACCESSIBLE PARKING SPACES SHALL BE PROVIDED WITH SIGNAGE AS REQUIRED BY CBC SECTION 1109A.8.8. SUCH SIGNAGE SHALL NOT BE BLOCKED FROM VIEW BY A VEHICLE PARKED IN THE SPACE. SEE DETAIL 5.
- 10. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NO BE WITHIN TEN FEET OF ANY POWER LINES- WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

ACCESSIBLE PATH OF TRAVEL NOTES:

- WITHOUT ANY ABRUPT LEVEL CHANGE EXCEEDING 1/2"
- 2. AT LEAST 48" IN WIDTH.
- CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%. REFER TO ACCESSIBLE RAMP/CURB RAMP WHERE SLOPE IN DIRECTION OF TRAVEL EXCEEDS 5%.
- FREE OF OVERHANGING OBSTRUCTIONS AND PROTRUDING PER CBC SECTION 11B-307 AND
- SECTION 1116A ON SHEET A031. ABRUPT CHANGES IN LEVEL EXCEEDING 4 INCHES IN A VERTICAL DIMENSION BETWEEN WALKS.
- SIDEWALKS OR OTHER PEDESTRIAN WAYS AND ADJACENT SURFACES OR FEATURES SHALL BE IDENTIFIED BY WARNING CURBS AT LEAST 6" IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE OR BY GUARDS OR HANDRAILS WITH A GUIDE RAIL CENTERED 2" MIN. AND 4" MAX. ABOVE THE SURFACE OF THE WALK OR SIDEWALK. THESE REQUIREMENTS DO NOT APPLY BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY. SECTION 11B-303.5

SIGNS AND IDENTIFICATIONS:

- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN TITLE 24 AND AS SPECIFICALLY REQUIRED IN THIS SECTION.
- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND
- 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10. CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE "I". LOWER CASE CHARACTERS ARE PERMITTED . FOR SIGNS SUSPENDED OR PROJECTED ABOVE
- THE FINISH FLOOR IN, THE MINIMUM CHARACTER HEIGHT SHALL BE 3". CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. WHEN RAISED CHARACTERS OR SYMBOLS ARE USED, THEY SHALL CONFORM TO THE FOLLOWING:
- A. LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM (CBC 11B-703.2.1) AND SHALL BE SAN-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE
- B. RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH & MAX OF 2". (CBC
- C. PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT. (CBC 11B-703.6)
- CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 2.50 MM) ON CENTER IN EACH CELL WITH (7.6 MM) SPACE BETWEEN CELLS, MEASURED FROM THE FIRST COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF (0.60 MM) ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. ENTRANCES TO BUILDINGS AND FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS
- WITH DISABILITIES SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, UTILIZING THE SYMBOL, AT JUNCTIONS WHERE THE ACCESSIBLE ROUTE OF TRAVEL DIVERGES FROM THE REGULAR CIRCULATION PATH, TO BE VISIBLE TO PERSONS ALONG APPROACHING CIRCULATION PATHS. IN EXISTING BUILDINGS AND FACILITIES, ENTRANCES WHICH ARE NOT ACCESSIBLE SHALL HAVE DIRECTIONAL SIGNAGE COMPLYING WITH INDICATES THE LOCATION OF AND ROUTE TO THE NEAREST ACCESSIBLE
- WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH (CBC 11B-703.3) SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. ROOM IDENTIFICATION SIGNS SHALL BE POSITIONED AT 48 INCHES MINIMUM ABOVE THE FLOOR MEASURED TO THE BASE LINE OF THE BRAILLE CELLS AND 60 INCHES MAXIMUM MEASURED TO THE BASE LINE OF THE TOP ROW OF RAISED CHARACTERS.
- EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY REFLECTORIZED SIGN PERMANENTLY POSED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREAS AND, WHEN IN A PATH OF TRAVEL, SHALL BE POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SIGNS MAY ALSO BE CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE. AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE BELOW THE SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FINE \$250." (FIG. A & B ABOVE). (CBC 2013 1109A8.8)
- SIGNS TO IDENTIFY ACCESSIBLE PARKING SPACES MAY BE CENTERED ON THE WALL AT THE INTERIOR AND OF THE PARKING SPACE AT A MINIMUM HEIGHT OF 36" FROM THE PARKING SPACE FINISHED GRADE, GROUND OR SIDEWALK. (CBC 2013 1109A8.8) VAN ACCESSIBLE PARKING SPACES SHALL HAVE AN ADDITIONAL SIGN STATE "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY. AND SIGN SHALL BE 60" ABOVE FINISH FLOOR
- ADDITIONAL SIGN SHALL ALSO BE POSTED, IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES, OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALI OR SPACE. THE SIGN SHALL BE NOT LESS THAN 17" BY 22" IN SIZE WITH LETTERING NOT LESS THAN 1" IN HEIGHT. (SEE FIG. ABOVE) (CBC 2013 1109A.8.8 AND 11B-502.8)
- IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES: A. BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT;
- B. BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON BLUE BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE AND SHALL BE 36" HIGH BY 36" WIDE. (CBC 1109A.8.8)

PATH OF TRAVEL COMPLIANCE:

DURABLE SIGN ON THE EGRESS SIDE OF EXTERIOR EXIT DOORS STATING:

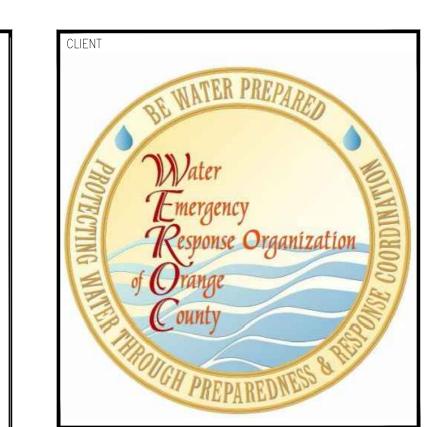
DOOR SCHEDULE | N.T.S. | 1

THIS DOOR TO REMAIN ULOCKED WHEN BUILDING IS OCCUPIED. (CBC

1008.1.9.3)

DOOR & SIDELIGHT ELEVATION

ADJUSTED CONSTRUCTION COST IS \$16,000 AND IS LESS THAN THE CURRENT VALUATION THRESHOLD. COST OF COMPLIANCE IS LIMITED TO 20% OF \$16,000=\$3,200. COST OF COMPLIANCE ON THIS SHEET IS APPROXIMATELY \$6,000. PROVIDING ACCESSIBLE RESTROOM FOR FULL COMPLIANCE EXCEEDS THE CODE LIMITATION SO IS NOT INCLUDED IN THIS PROJECT.



WATER EMERGENCY **RESPONSE ORGANIZATION** OF ORANGE COUNTY **SOUTH EMERGENCY OPERATIONS CENTER**

SUPPORT AND BRACING OF NON-STRUCTURAL **ELEMENTS**

26081 VIA PERA MISSION VIEJO, CA 92691



1 PETERS CANYON ROAD, SUITE 130 IRVINE, CA 92606 TEL: 949-387-8500, FAX: 949-387-0800



SUE		
EV.	DESCRIPTION	DATE
1	PLAN CHECK 1ST REVIEW	4/11/18
2	PLAN CHECK 2ND REVIEW	5/14/18

PROJECT NO.	17S020.01
PRINT DATE	
DRAWN BY	
CHECKED BY	D.P

KEY PLAN

ACCESSIBILITY DETAILS

HEET NUMBER

SHEET NO. OF XXX

HANOVER® GUIDELINE SPECIFICATION Paving and Surfacing Hanover® Detectable Warning® Pavers

Product Name: Hanover® Detectable Warning® Pavers

Manufacturer: Hanover® Architectural Products, 5000 Hanover Road, Hanover, PA 17331

717.637-0500 • Fax 717.637.7145 info@hanoverpavers.com • www.hanoverpavers.com

1 PRODUCT DESIGN:

Any pedestrian area requiring the use of Detectable Warning surface can utilize the Hanover® Detectable Warning® Paver. Manufactured in accordance with the requirements set forth in the Americans With Disabilities Act (ADA). Hanover® Detectable Warning® Paver is fabricated with a non-slip texture applied to the surface of the paver. Installations will benefit from its ability to withstand snow removal and freeze thaw conditions. Typical installations include railway platforms, handicap ramps, and as curb indication.

composition and Materials

Hanover® Detectable Warning® Pavers are made from Portland Cement, fine and coarse aggregates. Hanover® Detectable Warning® Pavers, high density, hydraulically pressed concrete units, are of a homogeneous mix manufactured to plus or minus 1/8" tolerances and produced by subjecting the concrete mix to a minimum pressure of 1,000 pounds per square inch over the entire surface area. This results in a product with the density and strength of natural stone. A Tudor® finish is a specialized texture designed to be "natural", and practical. It has a non-directional surface finish, which exposes the aggregate delicately, giving that paver a granite-like appearance. Custom specifications can be accommodated.

Limitations:

Not recommended for areas subject to vehicular traffic.

2 TECHNICAL DATA:

Application Standard:
Hanover® Detectable Warning® Pavers meet or exceed ASTM specifications for concrete paving stones C936 requiring minimum compressive strength of 8000 psi, maximum absorption of 5%, and freeze thaw testing per section of ASTM C67. Pavers are manufactured to have a minimum compressive strength of 8500 psi, with water absorption of 5% or less.

Pavers come in variety of sizes, ranging from 11 3/4" x 11 3/4" to 23 1/2" x 35 3/8" (actual size), as well as a variety of thicknesses ranging from 1 1/4" to 4". Not all sizes come in all thicknesses.

Metric Size	Actual Size	11/2"	2"	21/4"	21/2"	3"	4"
297mm x 297mm	11 ³ /4" x 11 ³ /4"	Х	Х	Х	Х	Х	
597mm x 597mm	23 ¹ /2" x 23 ¹ /2"		Х	Х	Х	Х	Х
597mm x 747mm	23 ¹ /2" x 29 ¹ /2"		Х	Х	Х	Х	
597mm x 897mm	23 ¹ /2" x 35 ³ /8"		Х	Χ	Х	Х	

3 INSTALLATION:

Edge Restraint:

Adequate edge restraints and a properly prepared base are essential to the successful performance of Hanover® Detectable Warning® Pavers. When utilizing a bituminous setting bed, edge restraints can be wood, steel, PVC, Hanover® RockCurb®, or other systems specifically designed to restrain concrete pavers.

PAGE 2

Base:
Bituminous setting bed over 4 in. thick concrete base slab is the preferred method for Hanover® Detectable Warning® Pavers, however, asphaltic concrete base slab is also acceptable. Alternate installation methods include latex modified mortar setting bed over concrete base slab. Careful attention must be given to local soils and drainage conditions, type of expected traffic, and municipal requirements.

Pavers may also be installed as an overlay system on existing concrete or asphalt pavements. Filter cloth is recommended over the existing pavement prior to installing pavers.

4 AVAILABILITY

Hanover® Detectable Warning® Pavers are readily available in the continental United States. For further information call Hanover® Architectural Products, Inc.

Cost:
Cost will vary depending upon paver sizes, finish, color and quantity ordered.

5 WARRANTY

Hanover® Architectural Products, Inc. will certify specific pavers to meet or exceed internal standards as well as previously stated ASTM performance standards.

6 MAINTENANCE

Hanover® Detectable Warning® Pavers require practically no maintenance if installed properly. Degree of soiling and staining will depend on type and amount of use over time. Contact manufacturer for information regarding sealing and cleaning concrete pavers. Hanover® Asphalt Block require practically no maintenance if installed properly. Degree of soiling and staining will depend on type and amount of use over time. Contact manufacturer for information regarding cleaning of Asphalt Block pavers.

7 TECHNICAL SERVICES

Complete technical information and printed literature from manufacturer.

FILING SERVICES

Sweets General Building LA File



@ &	AT AND	K K.P.	KIPS; 1000 KING POST
A.B. ABV.	ANCHOR BOLT ABOVE	LAT	LATEDAL
ADD'L. (ADDL.) ADJ.	ADDITIONAL ADJACENT	LAT. L.B.	LATERAL LAG BOLT
ALT. ALUM.	ALTERNATE ALUMINUM	LB (#) L.F.	POUND LINEAL FEET (FOOT)
APPRX. (APPROX.)	APPROXIMATE(LY)	LLH LLV	LONG LEG HORIZONTAL LONG LEG VERTICAL
ARCH.	ARCHITECT(URAL)	LT. WT.	LIGHT WEIGHT
BLDG. BLKG.	BUILDING BLOCKING	MAX. M.B.	MAXIMUM MACHINE BOLT
BLW. BM.	BELOW BEAM	MECH. M.E.P.	MECHANICAL MECHANICAL, ELECTRICAL AND
B.N. BNDRY.	BOUNDARY NAILING BOUNDARY	MEZZ.	PLUMBING MEZZANINE
3.O.C. 3.O.F.	BOTTOM OF CONCRETE BOTTOM OF FOOTING	MFR.	MANUFACTURER
BOT. (B) BRCG.	BOTTOM BRACING	MIN. MISC.	MINIMUM MISCELLANEOUS
BRDG.	BRIDGE (ING)	MTL.	METAL
BRG. BTWN.	BEARING BETWEEN	(N)	NEW
		NO. (#) N.S.	NUMBER NEAR SIDE
CAMB. (C) CBC	CAMBER(ED) CALIFORNIA BUILDING CODE	N.T.S.	NOT TO SCALE
CANT. C.F.	CANTILEVER(ED) CUBIC FEET (FOOT)	0 (0 (0 0)	ON OFNIED
o.r. C.I.P. C.I.D.H.	CAST-IN-PLACE CAST-IN-DRILLED HOLE	0/C (0.C.) 0.D.	ON CENTER OUTSIDE DIAMETER
J.I.D.H. C.J.	CONTROL JOINT;	O.H. OPNG.	OPPOSITE HAND OPENING
C.L. (@)	CONSTRUCTION JOINT CENTER LINE	OPP. ORTHO.	OPPOSITE ORTHOGONAL
CLG. CLR.	CEILING CLEAR	O.W.J.	OPEN WEB JOIST
COL. CONC.	COLUMN CONCRETE	PC PCF	PILE CAP POUNDS PER CU.FT.
CONN. CONST.	CONNECTION CONSTRUCTION	PL. PLYWD.	PLATE PLYWOOD
CONT. C.P.	CONTINUOUS COMPLETE - PENETRATION	P.P. P.S.F.	PARTIAL – PENETRATION POUNDS PER SQUARE FOOT
CTSK. CTR.	COUNTERSINK CENTER(ED)	P.S.I. PT	POUNDS PER SQUARE INCH PRETENSIONED
Σ.Y.	CUBIC YARD	P.T.	PRESSURE TREATED
J DBA	d PENNY NAIL DEFORMED BAR ANCHOR	QTY.	QUANTITY
OBL. DEPT.	DOUBLE DEPARTMENT	RAD. (R)	RADIUS
).F.)IA. (ø)	DOUGLAS FIR DIAMETER	RBS RDP	REDUCED BEAM SECTION RESPONSIBLE DESIGN
NAG. NAPH.	DIAGONAL DIAPHRAGM	REF.	PROFESSIONAL REFERENCE
DIM. DN.	DIMENSION DOWN	REINF. REQ'D. (REQD.)	REINFORCEMENT (ING) REQUIRED
DWG. (DWGS.)	DITTO (REPEAT) DRAWING(S)	RF. R.O.	ROOF ROUGH OPENING
)WL.	DOWEL	Ν.υ.	NOOGH OF ENING
EA.	EACH	S.A.D. SC	SEE ARCHITECTURAL DRAWINGS SLIP—CRITICAL
E.F. E.J.	EACH FACE EXPANSION JOINT	S.C.D. SCH.	SEE CIVIL DRAWINGS SCHEDULE
EL. ELEC.	ELEVATION ELECTRICAL	SEP. SHT.	SEPARATION SHEET
ELEV. EMB.	ELEVATOR EMBED(MENT)	SIM. SKW.	SIMILAR SKEW(ED)
I.N. ING.	EDGE NAIL ENGINEER	SG. SPEC.	SLAB-ON-GRADE SPECIFICATION
EQ.	EQUAL	SQ.	SQUARE
EQPT. EQUIV.	EQUIPMENT EQUIVALENT	ST STD.	SNUG-TIGHTENED STANDARD
EXP. EXIST. (E)	EXPANSION EXISTING	STAGG. STIFF.	STAGGER(ED) STIFFENER
EXT.	EXTERIOR	STIR. STL.	STIRRUP STEEL
FDN.	FOUNDATION	STRUC(T). SUSP.	STRUCTURAL SUSPENDED
FIN. FLR.	FINISH(ED) FLOOR	SYMM.	SYMMETRICAL
F.N. F.O.C.	FIELD NAIL; FACE NAIL FACE OF CONCRETE	T&B	TOP AND BOTTOM
F.O.M. F.O.S.	FACE OF MASONRY FACE OF STUD	T&G TEMP.	TONGUE AND GROOVE TEMPORARY
F.O.W.	FACE OF WALL	THK.	THICK(NESS)
F.P. FRP	FULL (COMPLETE) PENETRATION FIBER REINFORCED POLYMER	T.O.	TOE NAIL TOP OF
F.S. FT. (')	FAR SIDE FOOT (FEET)	T.O.C. T.O.S.	TOP OF CONCRETE TOP OF STEEL;
FTG. F.V.	FOOTING FIELD VERIFY	T.O.W.	TOP OF SHEATHING TOP OF WALL
GA.	GAUGE	TRANS. T.S.G.	TRANSVERSE TAPERED STEEL GIRDER
GALV. GLB.	GALVANIZE(D) GLU-LAM/GLULAM	TYP.	TYPICAL
GRD.	GLUED LAMINATED BEAM GRADE	U.O.N. (U.N.O.)	UNLESS OTHERWISE NOTED
GYP.	GYPSUM	UTIL.	UTILITY
HD.	HOLDOWN; HAND	VERT. (V) V.I.F.	VERTICAL VERIFY IN FIELD
HDR. HGR.	HEADER HANGER	W/	WITH
HORIZ (H)	HORIZONTAI	(141)	WIDE WIDTH

HORIZONTAL

H.S.

I.D.

IN. (")

INFO.

H.S.B.

HEADED STUD

INSIDE DIAMETER

INCH(ES)

JOIST

JOINT

INFORMATION

HIGH STRENGTH BOLT

WIDE: WIDTH

WORK POINT

EXTRA STRONG

WELDED WIRE FABRIC

DOUBLE EXTRA STRONG

WOOD

W.W.F.

X-STG

XX-STG

WEIGHT

CAST-IN-PLACE CONCRETE

- 1. CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH ACI 318, LATEST EDITION, AND PROJECT SPECIFICATIONS.
- 2. PORTLAND CEMENT SHALL BE TYPE II UNLESS OTHERWISE NOTED.
- 3. FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 CLASS N OR F MAY BE USED AS A PARTIAL SUBSTITUTION FOR PORTLAND CEMENT UP TO A MAXIMUM OF 25% TOTAL CEMENTTITIOUS MATERIALS BY WEIGHT IF THE MIX DESIGN IS PROPORTIONED BY METHOD B OR C.
- 4. ALL CONCRETE SHALL BE NORMAL WEIGHT (145 PCF) HARD ROCK TYPE UNLESS OTHERWISE
- 5. AGGREGATES IN NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (HARDROCK).
- 6. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C94.
- 7. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) AT 28 DAYS AS FOLLOWS, UNLESS OTHERWISE NOTED:
 A. FOUNDATION, FOOTINGS, PILES, PILE CAPS: 2,500 PSI
 B. SLABS-ON-GRADE: 2,500 PSI
- 8. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE ENGINEER.
- 9. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY, BEARING A REGISTERED CIVIL ENGINEER'S STAMP, AND REVIEWED BY THE ENGINEER PRIOR TO USE.
- 10. CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:

 A. SLABS-ON-GRADE:

 TOP REINF.:

 2" U.N.O.
 - TOP REINF.: 2" U.N.O.

 BOTTOM REINF.: 3" U.N.O.
- 11. ALL EXPOSED CONCRETE EDGES SHALL BE FORMED WITH A $\frac{3}{4}$ " CHAMFER UNLESS OTHERWISE NOTED
- 17. CURING COMPOUND USED ON CONCRETE SHALL BE REVIEWED BY THE ENGINEER.

TOLERANCE

1. PERMITTED TOLERANCE SHALL BE ACCORDING TO THE CBC.

STRUCTURAL OBSERVATION

- 1. THE OWNER SHALL EMPLOY THE ENGINEER OF RECORD REGISTERED/LICENSED IN THE STATE OF CALIFORNIA WHO IS RESPONSIBLE FOR THE STRUCTURAL DESIGN, TO DO STRUCTURAL OBSERVATION.
- 2. THE STRUCTURAL OBSERVATION IS REQUIRED FOR THE STRUCTURAL SYSTEM IN ACCORDANCE WITH CBC SECTION 1704. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE PROJECT INSPECTOR, DEPUTY INSPECTOR, SPECIAL INSPECTOR OR CITY INSPECTOR.
- 3. STRUCTURAL OBSERVER OF RECORD : SAID HILMY, S3680
- 4. THE STRUCTURAL OBSERVER SHALL PERFORM SITE VISITS AT THOSE STEPS IN THE PROGRESS OF THE CONSTRUCTION THAT ALLOW FOR CORRECTION OF DEFICIENCIES WITHOUT SUBSTANTIAL EFFORT OR UNCOVERING OF THE WORK INVOLVED. AT A MINIMUM, THE FOLLOWING SIGNIFICANT CONSTRUCTION STAGES REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL OBSERVER.
- CONSTRUCTION STAGE ELEMENTS / CONNECTIONS TO BE OBSERVED;

 A. FOLLOWING SUSPENSION & BRACING OF CEILING PRIOR TO CEILING TILE INSTALLATION.
- 5. OBSERVED DEFICIENCIES: ANY OBSERVED DEFICIENCIES SHALL BE DESCRIBED ON THE FORM; THE OBSERVER SHALL ALSO INDICATE WHETHER A RE-OBSERVATION IS REQUIRED TO VERIFY CORRECTIVE ACTIONS HAVE BEEN PROPERLY TAKEN OR THAT THE CORRECTIVE ACTIONS ARE DEEMED VERIFIABLE BY THE SPECIAL INSPECTOR OR CITY INSPECTOR PRIOR TO INSPECTION APPROVAL.

REINFORCING STEEL

- 1. ALL CONCRETE SHALL BE REINFORCED. REINFORCING STEEL SHALL BE NEW DEFORMED STEEL BARS CONFORMING TO ASTM A615, GRADE 60 UNLESS OTHERWISE NOTED.
- 2. REINFORCING STEEL SHALL BE FIRMLY SUPPORTED AND ACCURATELY PLACED.
- 3. NO HEATING SHALL BE ALLOWED FOR BENDING OF REINFORCING STEEL

SOILS AND FOUNDATIONS

- 1. ALL PORTIONS OF THE WORK PERTAINING TO EXCAVATIONS AND FOUNDATIONS SHALL CONFORM TO CBC CHAPTER 18.
- 2. LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION.
- 3. NO CONDUITS FOR HIGH OR LOW VOLTAGE ELECTRICAL WIRING MAY BE PLACED WITHIN BUILDING STRUCTURE FOUNDATIONS OR EQUIPMENT SUPPORT FOUNDATIONS.

STRUCTURAL TESTS AND INSPECTIONS

1. STRUCTURAL TESTS AND INSPECTIONS SHALL BE IN ACCORDANCE WITH THE CBC.

EQUIPMENT ANCHORAGE

ALL MECHANICAL AND ELECTRICAL EQUIPMENT (AND OTHER ITEMS NOTED BELOW) SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN THE CBC AND ASCE.

THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST THE FORCES PRESCRIBED ABOVE, BUT NEED NOT BE DETAILED ON THE PLANS, AND THE PROJECT INSPECTOR WILL VERIFY THAT THESE ITEMS HAVE ANCHORAGE:

- A. EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR
- B. FURNITURE REQUIRED TO BE ATTACHED IN ACCORDANCE WITH ASCE.
- C. TEMPORARY OR MOVABLE EQUIPMENT WITH FLEXIBLE CONNECTIONS TO POWER OR UTILITIES.

 D. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.

 E. EQUIPMENT WEIGHING LESS THAN 20 POUNDS 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 RESPONSIBLE DESIGN PROFESSIONAL.

GENERAL

- 1. ALL CONSTRUCTION AND WORKMANSHIP, INCLUDING MATERIALS, SHALL CONFORM TO THESE DRAWINGS AND THE CBC.
- 2. GOVERNING CODE AUTHORITY: CITY OF MISSION VIEJO.
- 3. COMPLY FULLY WITH ALL CODES HAVING JURISDICTION OVER THE WORK. IF ANY WORK SHOWN OR INDICATED ON THE DRAWINGS IS IN CONFLICT WITH ANY CODE HAVING JURISDICTION, BRING IT TO THE ATTENTION OF THE OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK WHICH WOULD BE AFFECTED BY IT.
- 4. WHERE NOT INDICATED OTHERWISE, THE LATEST EDITION OF ALL CITED DOCUMENTS SHALL GOVERN.
- 5. THE TERM CBC IN THESE DRAWINGS MEANS 2016 CALIFORNIA BUILDING CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, ALL PARTS AND VOLUMES.
- 6. ALL INFORMATION, DIMENSIONS, AND ELEVATIONS SHOWN OR NOTED TO EXISTING STRUCTURE ARE BASED ON BEST INFORMATION CURRENTLY AVAILABLE AT THE TIME OF THE PREPARATION OF THESE DRAWINGS. NO WARRANTY IS IMPLIED AS TO THE ACCURACY OF EXISTING CONDITIONS. THE CONTRACTOR SHALL REFER TO THE ORIGINAL CONSTRUCTION DOCUMENTS FOR INFORMATION REGARDING EXISTING CONSTRUCTION AND SHALL FIELD VERIFY ALL CONDITIONS. IF CONDITIONS BECOME APPARENT WHICH DIFFER FROM THE CONDITIONS SHOWN HEREIN, THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER. HOWEVER, ANY SIGNIFICANT CONFLICTS SHALL BE RESOLVED AS NOTED.
- 7. THE CONTRACTOR SHALL:
 A. BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS.
- B. CHECK ALL DIMENSIONS.
 C. BE RESPONSIBLE FOR COORDINATION OF ALL TRADES TO ASSURE PROPER CONSTRUCTION OF THE PROJECT.
 ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- . DIMENSIONS: DIMENSIONS TAKE PRECEDENCE OVER SCALE OF DRAWING. RELY ON WRITTEN DIMENSIONS GIVEN AND FIELD VERIFICATION. IF DISCREPANCIES ARE FOUND, NOTIFY THE OWNER BEFORE THE COMMENCEMENT OR RESUMPTION OF WORK. IF NO DIMENSION ARE GIVEN, NOTIFY THE OWNER FOR CLARIFICATIONS. ALL NOTIFICATIONS SHALL BE BY "RFI".
- 9. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. NOTES AND DETAILS ON DRAWINGS TAKE PRECEDENCE OVER "GENERAL NOTES" AND TYPICAL DETAILS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO PRIOR REVIEW BY THE ENGINEER.
- 10. CONDITIONS NOTED AS "EXISTING" OR (E) ARE TO REMAIN U.N.O. PROTECT AS REQUIRED. "EXISTING" CONSTRUCTION REMOVED BY THE CONTRACTOR FOR ANY REASON SHALL BE REPLACED TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER. ALL MATERIALS, FEATURES OR CONDITIONS NOT SPECIFICALLY IDENTIFIED AS "EXISTING" OR (E) ARE CONSIDERED NEW WORK AND ARE PART OF THE PROJECT SCOPE OF WORK.
- 11. ALL EXISTING CONDITIONS, WHETHER OR NOT SPECIFICALLY NOTED ON THE DRAWINGS, SHALL BE VERIFIED PRIOR TO THE COMMENCEMENT OF ANY WORK. DO NOT PROCEED WITH ANY ITEM OR WORK THAT IS REASONABLY QUESTIONABLE WITHOUT ADVISING THE OWNER. OBTAIN DIRECTION FROM THE OWNER AS TO HOW TO PROCEED. SUBMIT ALL QUESTIONS ON "REI" FORM.
- 12. ANY DISCREPANCIES FOUND IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO COMMENCING ANY WORK.
- 13. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. THE SUPPORTING SERVICES BY THE ENGINEER, WHETHER PERFORMED PRIOR TO, DURING, OR AFTER CONSTRUCTION, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND PROJECT SPECIFICATIONS; BUT THEY DO NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION.
- 14. THE CONTRACTOR IS FULLY AND SOLELY RESPONSIBLE FOR ALL SHORING REQUIRED IN ORDER TO SAFELY ACHIEVE THE FINAL CONSTRUCTION SHOWN ON THE DRAWINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, ANY TYPES OF SHORING REQUIRED FOR SOILS EXCAVATION AND BACKFILL WORK; SUPPORT OF STRUCTURAL ELEMENTS UNTIL THEY HAVE ACHIEVED THE NECESSARY STRENGTH TO PERFORM IN THE FINAL POSITION AND MANNER SHOWN ON THE DRAWINGS; AND SUPPORT OF STRUCTURAL ELEMENTS THAT ARE MODIFIED AND THEREBY REDUCED IN STRENGTH IN ANY WAY DURING CONSTRUCTION AS REQUIRED TO ACHIEVE THE FINAL CONSTRUCTION AS SHOWN ON THE DRAWINGS. ALL SHORING CALCULATIONS AND DRAWINGS SHALL BE STAMPED BY A CALIFORNIA REGISTERED ENGINEER AND SUBMITTED FOR REVIEW PRIOR TO PERFORMING THE WORK.
- 15. THE CONTRACTOR SHALL COORDINATE ALL UTILITY LOCATIONS WITH OTHER DRAWINGS AND SHALL CONDUCT A DETAILED SURVEY OF EXISTING UTILITIES TO IDENTIFY INTERFERENCES WITH THE NEW CONSTRUCTION. PROMPTLY NOTIFY THE ENGINEER OF ANY INTERFERENCES PRIOR TO PERFORMING THE WORK.
- 16. IN THE EVENT THAT THERE ARE ANY UTILITIES AFFECTED, ANY MODIFICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THAT OF THE OWNER. ALL OUTLETS EITHER ELECTRICAL OR MECHANICAL, OR ANY ASSOCIATED REWORK OR MODIFICATIONS WILL BE A PART OF THE BID AND NOT TO BE CONSTRUED AS THE WORK OF THE OWNER. SUFFICIENT DUE DILIGENCE ON THE PART OF THE CONTRACTOR WILL ELIMINATE ANY POTENTIAL ISSUES AND ACCEPTANCE OF THE AGREEMENT SHALL BIND CONTRACTOR TO SAID ACCEPTANCE.
- 17. LOCATE ALL EMBEDDED ITEMS, REINFORCING STEEL AND TENDONS USING NON-DESTRUCTIVE MEANS PRIOR TO DRILLING OR CORING. DO NOT DAMAGE EMBEDDED ITEMS WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA DURING CONSTRUCTION PERIOD. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTY AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
- 19. PROVIDE BARRICADING AND MAINTAIN ANY REQUIRED LIGHTS, WARNING, AND DIRECTIONAL SIGNS, AND OTHER PROTECTION NEAR AND ABOUT THE AREA OF THE WORK AS MAY BE REQUIRED BY THE OWNER, OR BY ANY OTHER GOVERNING AUTHORITY. PROVIDE NECESSARY MEANS TO PROTECT ANY SURROUNDING ADJACENT SITE STRUCTURES, PROPERTIES, SERVICING UTILITIES, PEDESTRIAN AND VEHICLE WAYS, AND MAINTAIN ALL SAFETY MEASURES UNTIL WORK IS COMPLETED.
- 20. SECURE THE CONSTRUCTION SITE. ANY PARTS OF WORK AREA WHICH ARE TO BE BARRICADED OR SEALED TO NON-CONSTRUCTION INDIVIDUALS MUST BE COORDINATED WITH AND APPROVED BY THE OWNER BEFORE PROCEEDING WITH THE WORK.
- 21. PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND ADJACENT STRUCTURE(S), FINISHES AND UTILITIES DURING CONSTRUCTION.
- 22. PROVIDE AND ENGINEER ALL TEMPORARY STRUCTURAL AND SAFETY ELEMENTS REQUIRED TO ACCOMPLISH THE WORK.
- 23. THE CONTRACTOR SHALL EXERT EVERY EFFORT TO PREVENT DUST AND CONSTRUCTION DEBRIS FROM CONTAMINATING THE WORK AREA. THESE EFFORTS SHALL INCLUDE BUT NOT BE LIMITED TO PROVIDING A DAILY CLEANUP OF THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 24. CUTTING, BORING, SAW-CUTTING OR DRILLING THROUGH NEW STRUCTURAL MEMBERS OTHER THAN THOSE DETAILED ON STRUCTURAL DRAWINGS SHALL NOT BE DONE WITHOUT THE ENGINEER'S APPROVAL.
- 25. PERFORM ALL PATCHING AND RESTORATION AS REQUIRED BY THE WORK. THE WORK SHALL MATCH ADJACENT SURFACES UNLESS SPECIFICALLY NOTED OTHERWISE TO THE SATISFACTION OF THE OWNER.

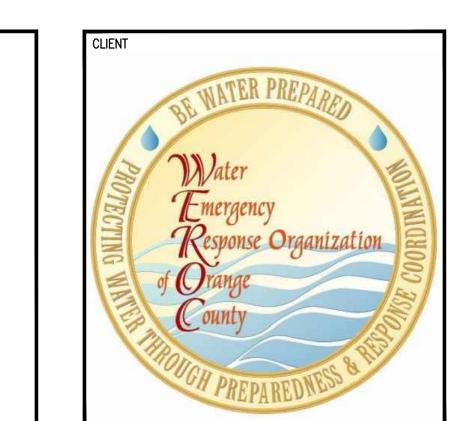
DESIGN CRITERIA

DESIGN CONFORMS TO CBC.

- 1. LIVE LOADS: ROOF 20 PSF
- 2. DEAD LOADS: SELF WEIGHT
- 3. SEISMIC ANALYSIS: EQUIVALENT LATERAL FORCE PROCEDURE

SITE CLASS D SEISMIC DESIGN CATEGORY D

- Ss = 1.439 g $S_1 = 0.537 g$ $F_2 = 1.0$
- Fa = 1.0 Fv = 1.5 Sps = 0.959 g
- $S_{DS} = 0.959 \text{ g}$ $S_{D1} = 0.537 \text{ g}$



WATER EMERGENCY
RESPONSE ORGANIZATION
OF ORANGE COUNTY

SOUTH EMERGENCY OPERATIONS CENTER SUPPORT AND BRACING

OF NON-STRUCTURAL ELEMENTS

MISSION VIEJO, CA 92691

26081 VIA PERA



ENGINEER/ARCHITECT

1 PETERS CANYON ROAD, SUITE 130 IRVINE, CA 92606 TEL: 949-387-8500, FAX: 949-387-0800





ISSUE		
REV.	DESCRIPTION	DATE
\triangle 1	PLAN CHECK 1ST REVIEW	4/11/18
2	PLAN CHECK 2ND REVIEW	5/14/18

PROJECT NO. 17S020.01

SHFFT TITLE

DRAWN BY

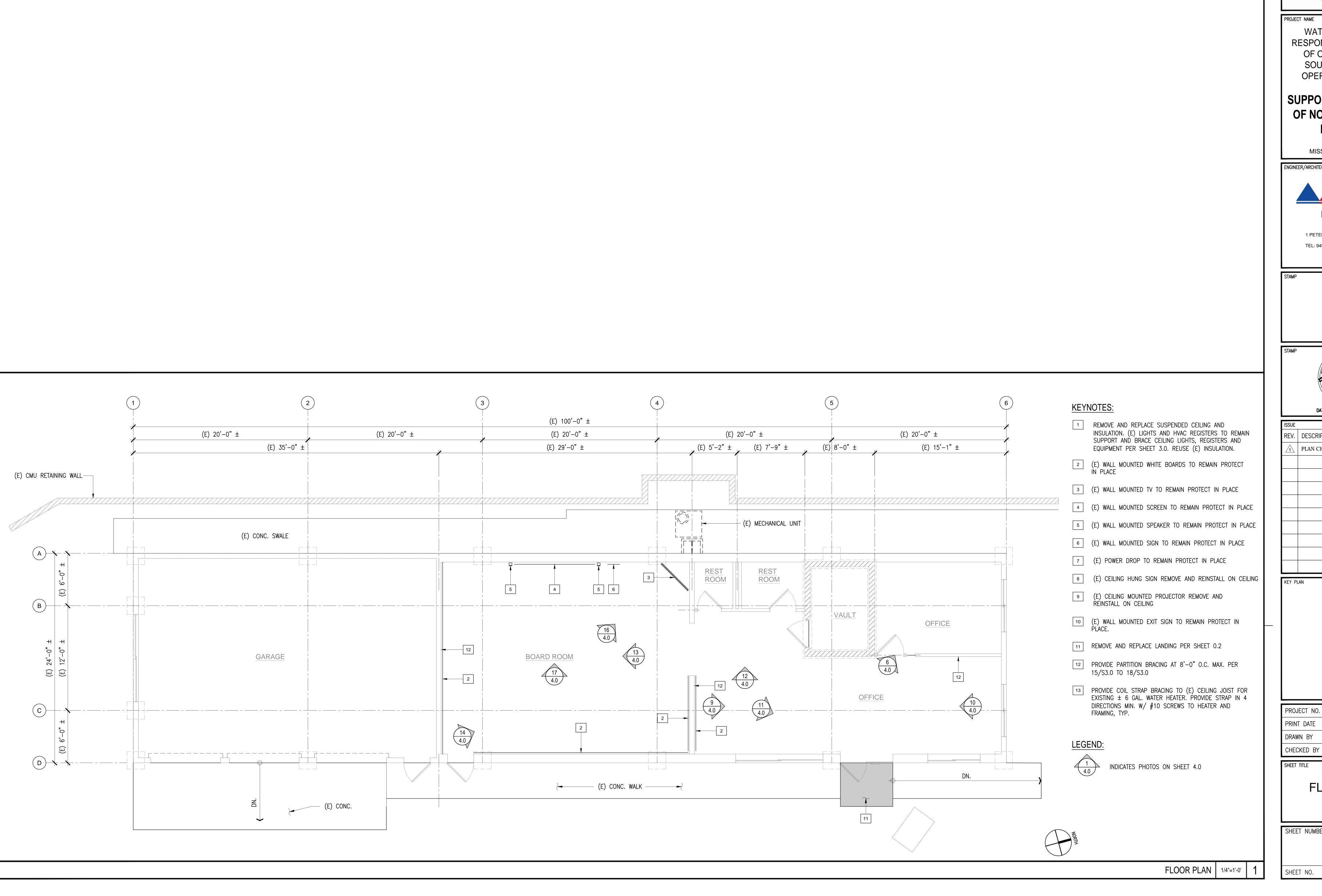
CHECKED BY

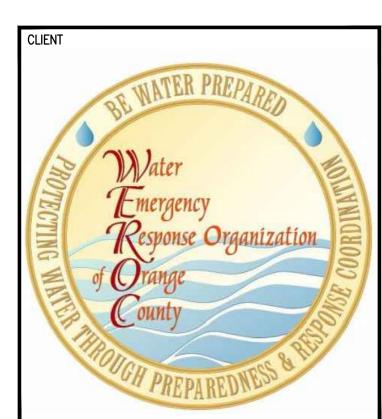
GENERAL NOTES

SHEET NUMBER

1.0

SHEET NO. OF XXX





PROJECT NAME

WATER EMERGENCY RESPONSE ORGANIZATION OF ORANGE COUNTY SOUTH EMERGENCY **OPERATIONS CENTER**

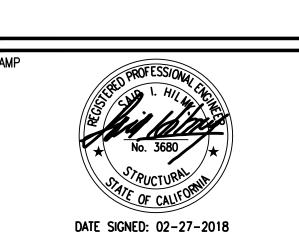
SUPPORT AND BRACING **OF NON-STRUCTURAL ELEMENTS**

26081 VIA PERA MISSION VIEJO, CA 92691



1 PETERS CANYON ROAD, SUITE 130 IRVINE, CA 92606 TEL: 949-387-8500, FAX: 949-387-0800

IDS GROUP

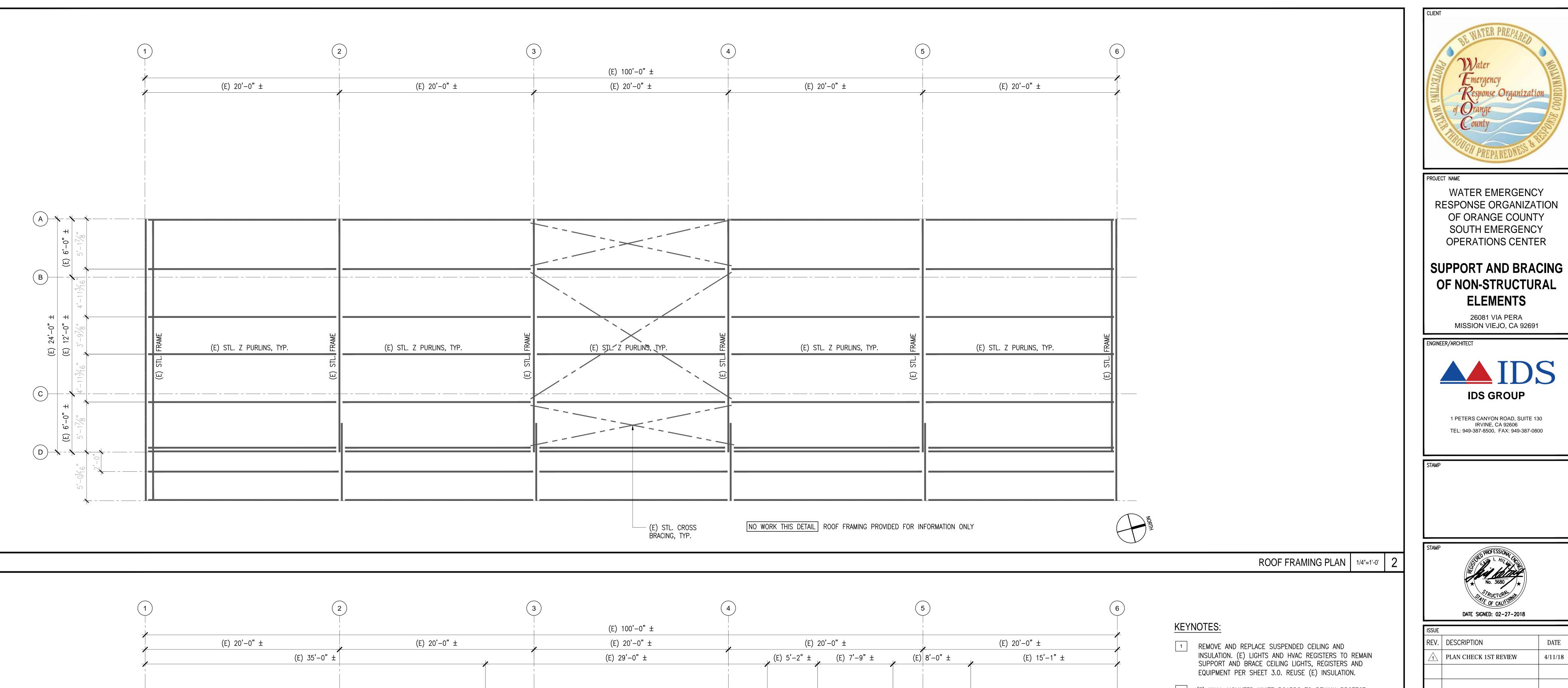


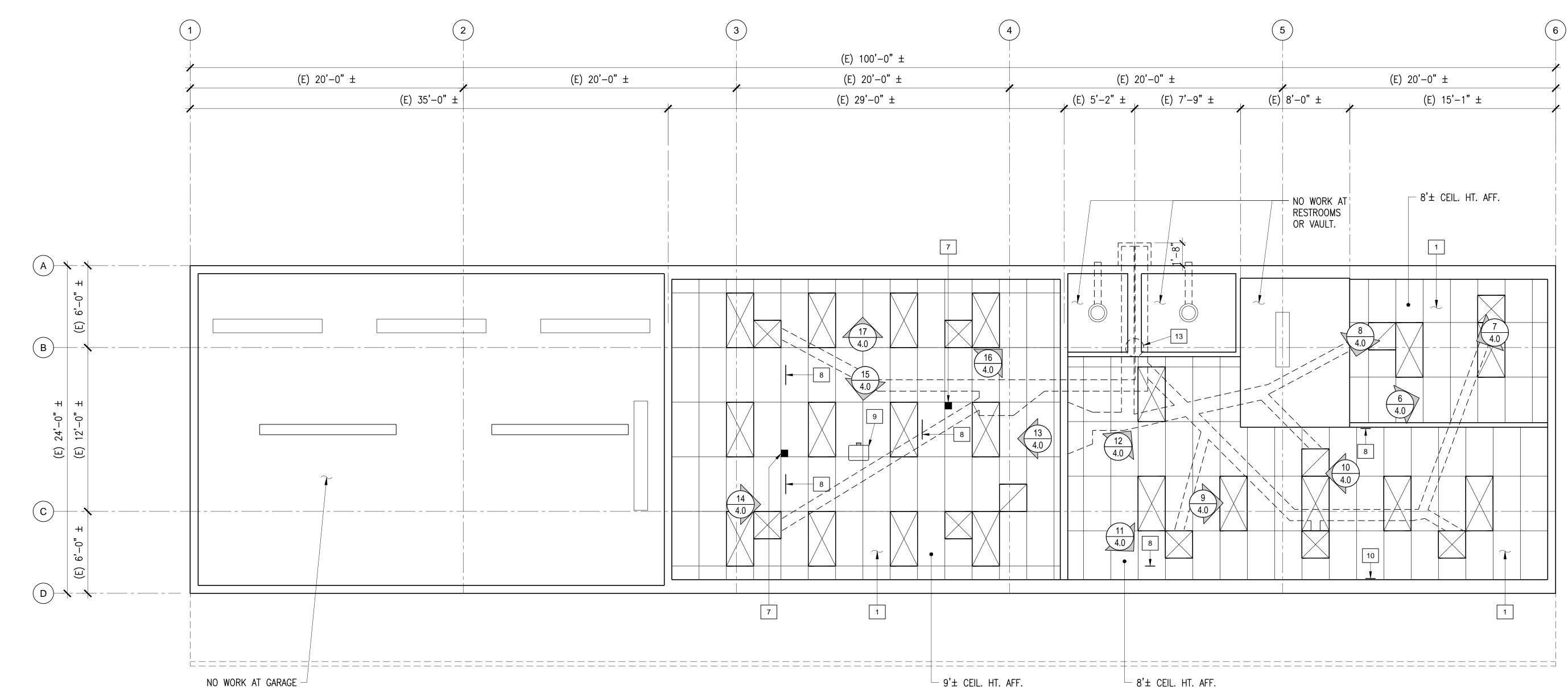
DESCRIPTION	DATE
PLAN CHECK 1ST REVIEW	4/11/18

PROJECT NO. 17S020.01 PRINT DATE DRAWN BY

FLOOR PLAN

SHEET NUMBER





- (E) WALL MOUNTED WHITE BOARDS TO REMAIN PROTECT IN PLACE
- 3 (E) WALL MOUNTED TV TO REMAIN PROTECT IN PLACE
- (E) WALL MOUNTED SCREEN TO REMAIN PROTECT IN PLACE
- 5 (E) WALL MOUNTED SPEAKER TO REMAIN PROTECT IN PLACE
- 6 (E) WALL MOUNTED SIGN TO REMAIN PROTECT IN PLACE
- 7 (E) POWER DROP TO REMAIN PROTECT IN PLACE
- 8 (E) CEILING HUNG SIGN REMOVE AND REINSTALL ON CEILING
- 9 (E) CEILING MOUNTED PROJECTOR REMOVE AND REINSTALL ON CEILING
- (E) WALL MOUNTED EXIT SIGN TO REMAIN PROTECT IN PLACE.
- 11 REMOVE AND REPLACE LANDING PER SHEET 0.2
- PROVIDE PARTITION BRACING AT 8'-0" O.C. MAX. PER 15/S3.0 TO 18/S3.0
- PROVIDE COIL STRAP BRACING TO (E) CEILING JOIST FOR EXISTING ± 6 GAL. WATER HEATER. PROVIDE STRAP IN 4 DIRECTIONS MIN. W/ #10 SCREWS TO HEATER AND FRAMING, TYP.



SHEET NUMBER

PROJECT NO.

DRAWN BY

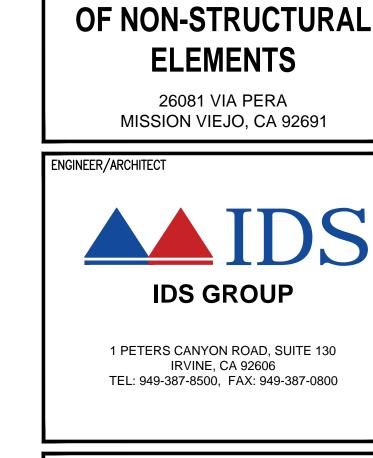
CHECKED BY

17S020.01

SHEET NO.

REFLECTED CEILING & ROOF FRAMING PLANS

REFLECTED CEILING PLAN 1/4"=1'-0'



DATE SIGNED: 02-27-2018

PLAN CHECK 1ST REVIEW

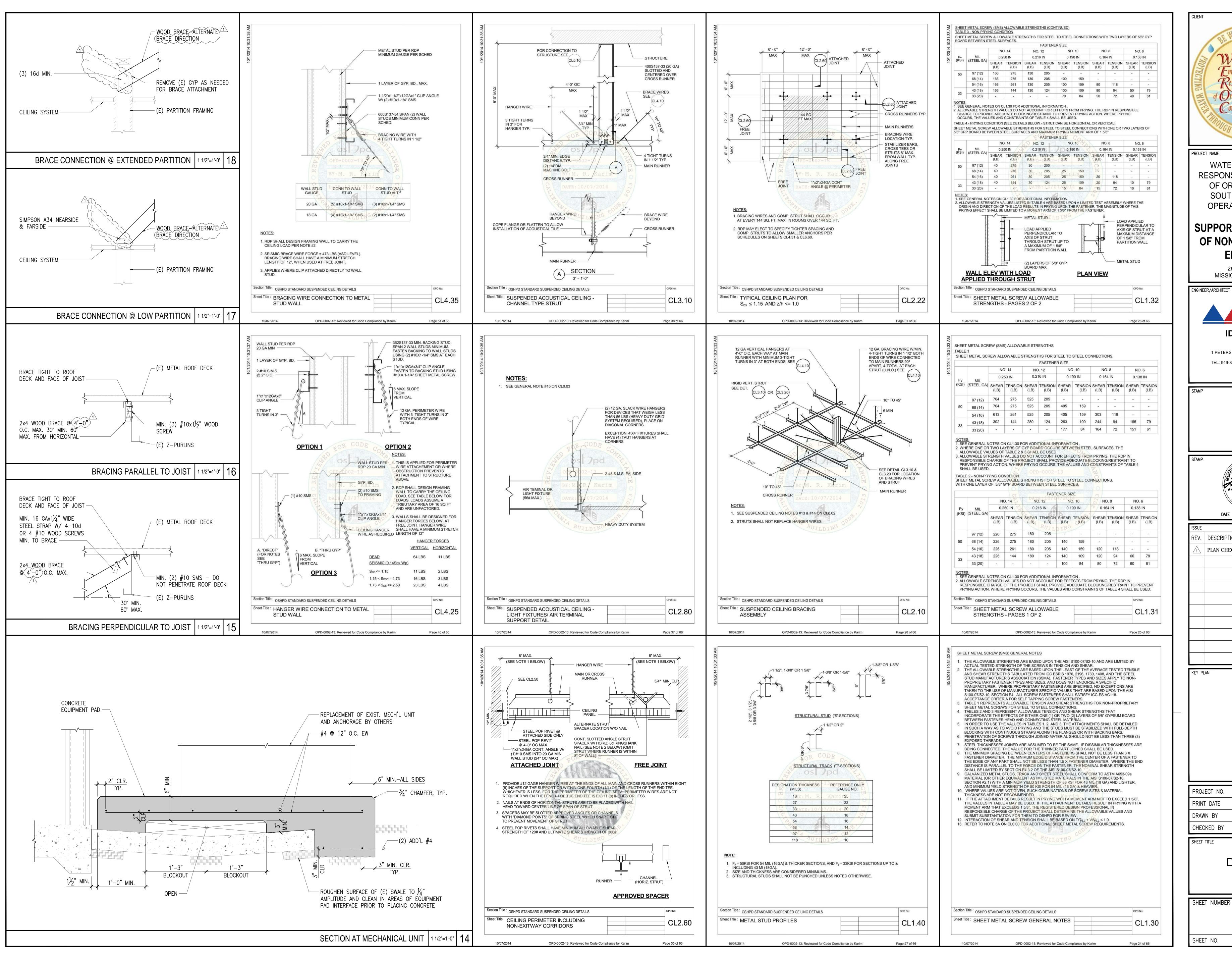
WATER EMERGENCY

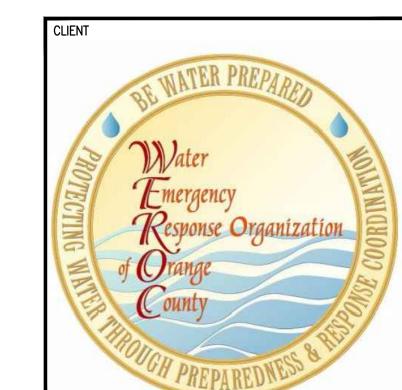
RESPONSE ORGANIZATION

OF ORANGE COUNTY

SOUTH EMERGENCY

OPERATIONS CENTER





WATER EMERGENCY
RESPONSE ORGANIZATION
OF ORANGE COUNTY
SOUTH EMERGENCY
OPERATIONS CENTER

SUPPORT AND BRACING OF NON-STRUCTURAL ELEMENTS

26081 VIA PERA MISSION VIEJO, CA 92691



IDS GROUP

1 PETERS CANYON ROAD, SUITE 130 IRVINE, CA 92606 TEL: 949-387-8500, FAX: 949-387-0800

MP



SSUE		
EV.	DESCRIPTION	DATE
1	PLAN CHECK 1ST REVIEW	4/11/18
·		
	·	

DDO IFOT NO	470000
PROJECT NO.	17S020.0
PRINT DATE	
DRAWN BY	-

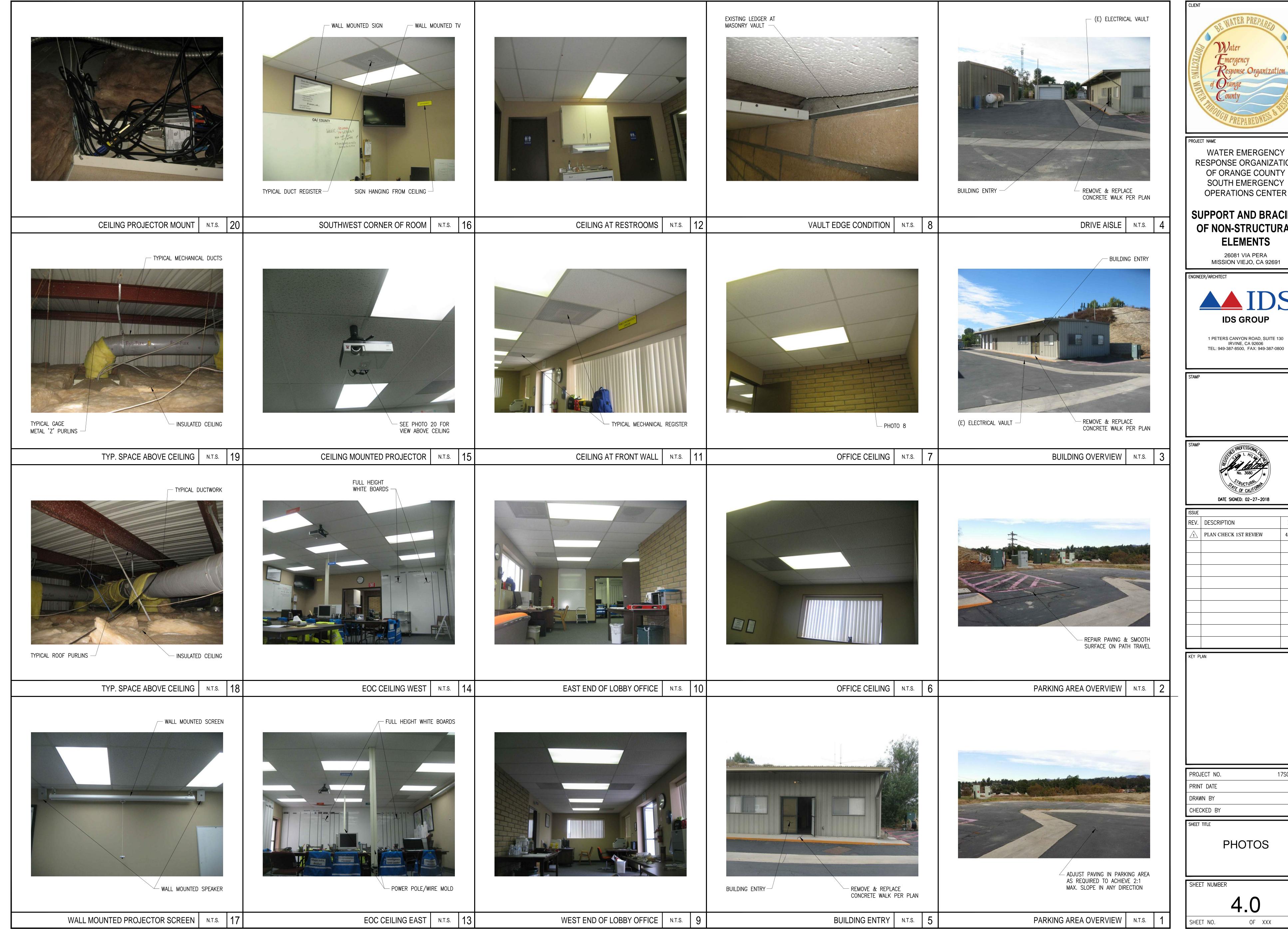
LE

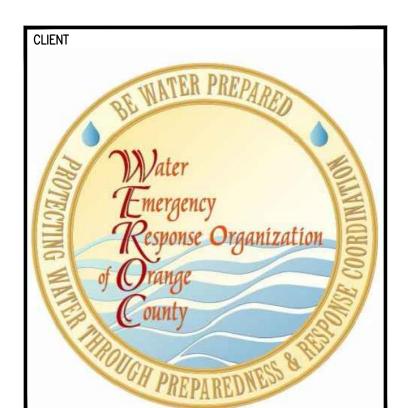
DETAILS

T NUMBER

3.0

ET NO. OF XXX





PROJECT NAME WATER EMERGENCY RESPONSE ORGANIZATION OF ORANGE COUNTY SOUTH EMERGENCY

SUPPORT AND BRACING **OF NON-STRUCTURAL ELEMENTS**

> 26081 VIA PERA MISSION VIEJO, CA 92691



1 PETERS CANYON ROAD, SUITE 130 IRVINE, CA 92606 TEL: 949-387-8500, FAX: 949-387-0800



ISSUE		
REV.	DESCRIPTION	DATE
1	PLAN CHECK 1ST REVIEW	4/11/18

ROJECT NO.	17S020.01
RINT DATE	
RAWN BY	
HITCKED DV	חח

PHOTOS

SHEET NUMBER

OF XXX