

Chollas Paint Booth Replacement

CONTRACTOR'S RESPONSIBILITIES

- PURSUANT TO SECTION 4216 OF THE CALIFORNIA GOVERNMENT CODE, AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (E.G., UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA) AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- NOTIFY SDG&E AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDG&E UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES. (I.E., 69 KV & HIGHER)

CONSTRUCTION STORM WATER PROTECTION NOTES

- TOTAL SITE DISTURBANCE AREA (ACRES) - 0
HYDROLOGIC UNIT/ WATERSHED - PUEBLO SAN DIEGO HU/SAN DIEGO BAY WATERSHED
HYDROLOGIC SUBAREA NAME & NO. - CHOLLAS-908.22
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE
☐ WPCP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100
☐ SWPPP
THE PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT NO. R9-2013-0001 AS AMENDED BY R9-2015-0001 AND R9-2015-0100 AND CONSTRUCTION GENERAL PERMIT ORDER 2009-0009-DWQ AS AMENDED BY ORDER 2010-0014-DWQ AND 2012-0006-DWQ
TRADITIONAL: RISK LEVEL ☐ 1 ☐ 2 ☐ 3
LUP: RISK TYPE ☐ 1 ☐ 2 ☐ 3
☒ MINOR WPCP
- CONSTRUCTION SITE PRIORITY
☐ ASBS ☐ HIGH ☐ MEDIUM ☒ LOW

MONUMENTATION/SURVEY NOTES

THIS MAP WAS CREATED FROM A PARCEL LAYER AND DOES NOT DEPICT THE ACTUAL LOCATION OF THE PROPERTY LINES. NO BOUNDARY ANALYSIS WAS PERFORMED. THE SURVEY MONUMENTS HAVE BEEN LOCATED BY SURVEY GRADE MEASUREMENTS, AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE CITY OF SAN DIEGO LAND SURVEYORS SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. WHEN SETTING SURVEY MONUMENTS USED FOR RE-ESTABLISHMENT OF THE DISTURBED CONTROLLING SURVEY MONUMENTS AS REQUIRED BY SECTIONS 6730.2 AND 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED WITH THE COUNTY SURVEYOR. IF ANY HORIZONTAL OR VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION SHALL BE NOTIFIED IN WRITING AT LEAST 7 DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPLACING ANY HORIZONTAL CONTROL AND VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION IF THE CITY OF SAN DIEGO SURVEY SECTION IS NOT NOTIFIED PRIOR TO CONSTRUCTION. THE FILING OF A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE SHALL BE FILED WITH COUNTY SURVEYOR. A COPY OF THE FILED DOCUMENT SHALL BE FURNISHED TO THE CITY OF SAN DIEGO SURVEY SECTION.

ABBREVIATIONS

Ø & #	DIAMETER AND CENTERLINE POUND OR NUMBER	DN, DR, D.S., DWG	DOWN DOOR DOWN SPOUT DRAWING	JT, JST.	JOINT JOIST	ROOFG	ROOFING
A.B.	ANCHOR BOLT ABOVE	E	EXISTING EACH	LAM.	LAMINATE	S.C.	SOLID CORE
ACoust.	ACOUSTICAL	EJ	EXPANSION JOINT	LAV.	LAVATORY	SCHED.	SCHEDULE
A.C.	ASHPALT CONCRETE	ELECT.	ELECTRICAL	LT	LIGHT	SDRSD	SAN DIEGO REGIONAL STANDARD DRAWINGS
ADJ.	ADJUSTABLE	ELEV.	ELEVATION	LP	LOW POINT	SEC.	SECTION
A.F.F.	ABOVE FINISH FLOOR	ENCL.	ENCLOSURE	MFR.	MANUFACTURER	SHG.	SHEET
A.F.G.	ABOVE FINISH GRADE	EQ.	EQUAL	MATRL.	MATERIAL	SIM	SIMILAR
ALUM.	ALUMINUM	EQUIP.	EQUIPMENT	MAX.	MAXIMUM	SJ	SAWCUT JOINT
A.G.	ANTI-GRAFFITI	EXIST.	EXISTING	M.B.	MACHINE BOLT	S.M.S	SHEET METAL SCREWS
ARCH.	ARCHITECTURAL	EXP.	EXPANSION	MECH.	MECHANICAL	SQ.	SQUARE
BD.	BOARD	EXT.	EXTERIOR	MIN.	MINIMUM	S.S.	STAINLESS STEEL
BLDG.	BUILDING	F.B.	FIRE BLANKET	MIN	MINUTE	STD.	STANDARD
BLKG.	BLOCKING	F.D.	FLOOR DRAIN	MISC.	MISCELLANEOUS	STL.	STEEL
BM.	BEAM	F.F.	FOUNDATION	M.O.	MASONRY OPENING	STOR.	STORAGE
BMP.	BEST MANAGEMENT PRACTICES	F.E.	FIRE EXTINGUISHER	M.R.	MOISTURE RESISTANT	STRUCT.	STRUCTURAL
B.O.B.	BOTTOM OF BEAM	F.E.C.	FIRE EXTINGUISHER CABINET	MTL.	METAL	SUSP.	SUSPENDED
BOT.	BOTTOM	F.F.	FINISH FLOOR	N	NEW	T.A	TOILET ACCESSORY
BTWN.	BETWEEN	F.F.E.	FINISH FLOOR ELEVATION	N.I.C.	NOT IN CONTRACT	TB	TOP OF BOX
CAB.	CABINET	FIN.	FINISH	NO. OR #	NUMBER NOT TO SCALE	T&B	TOP & BOTTOM
C.B.	CATCH BASIN	FLR.	FLOOR	N.T.S.	NOT TO SCALE	TEL.	TELEPHONE
C.F.O.I.	OWNER CONTRACTOR FURNISHED	F.O.C.	FACE OF CONCRETE	O	OVER	TEMP.	TEMPERED
C.I.P.	CAST IN PLACE	F.O.F.	FACE OF FINISH	O.C.	ON CENTER	TJ	TOOLED JOINT
C.J.	COLD JOINT	F.O.M.	FACE OF MASONRY	O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED	T.O.	TOP OF
C.J.	CONTROL JOINT	F.O.S.	FACE OF STUD	O.F.O.I.	OWNER FURNISHED, CONTRACTOR INSTALLED	T.O.B.	TOP OF BEAM
CLG.	CEILING	FRAMG	FRAMING	O.H.	OPPOSITE HAND	T.O.M.	TOP OF MASONRY
CLR.	CLEAR	FRP	FIBERGLASS REINFORCED	O.P.	OPPOSITE	T.O.P.	TOP OF PARAPET
CLM.	CONCRETE MASONRY	FT.	FOOT OR FEET	PB	PULL BOX	TS	TUBE STEEL
C.O.	CLEAN OUT	FTG.	FIELD VERIFY	PERF.	PERFORATED	T.W.	TOP OF WALL
COL.	COLUMN	F.V.	FIELD VERIFY	P.H.	PANIC HARDWARE	U.N.O.	UNLESS NOTED OTHERWISE
COMP.	COMPOSITION	GA.	GAUGE	PL	PLATE OR PLASTIC	U.O.N.	UNLESS OTHERWISE NOTED
CONC.	CONCRETE	GALV.	GALVANIZED	PLAST.	PLASTER	V.A.T.	VINYL ASPHALT TILE
CONN.	CONNECTION	G.I.	GALVANIZED IRON	PLYWD.	PLYWOOD	V.C.T.	VINYL COMPOSITION TILE
CONSTR.	CONSTRUCTION	GL.	GLASS	PR.	PAIR	VERT.	VERTICAL
CONT.	CONTINUOUS	GLB.	GLU-LAM BEAM	PROJ.	PROJECTION	V.G.D.F.	VERTICAL GRAIN
CORR.	CORRIDOR	GOVNT	GOVERNMENT	P.T.D.F.	PRESSURE TREATED	W	WITH
C.O.T.	CENTER OF TRUSS	GYP. BD.	GYP. BOARD	R	RAD RADIUS	WC.	WATERCLOSET
C.T.	CERAMIC TILE	H.D.	HOLD DOWN	RC	RELATIVE COMPACTION	WD.	WOOD
DBL.	DOUBLE	HDWR.	HARDWARE	RD.	ROOF DRAIN	W.J.	WEAKENED JOINT
DEMO.	DEMOLITION	HDR.	HEADER	RECS.	RECOMMENDATIONS	W.P.	WATERPROOF
DF.	DOUGLAS FIR	HGR.	HANGER	REFL.	REFLECTED	W.P.B.	WATERPROOF BARRIER
D.F.	DRINKING FOUNTAIN	HORIZ.	HORIZONTAL	REFRIG.	REFRIGERATOR	W.P.M.	WATERPROOF MEMBRANE
D.F.C.I.	DISTRICT FURNISHED, CONTRACTOR INSTALLED	H.P.	HIGH POINT	REINF.	REINFORCED OR REINFORCEMENT	W.R.	WATER RESISTANT
DG	DECOMPOSED GRANITE	H.M.	HOLLOW METAL	REQ.	REQUIRED OR REQUIREMENTS	WT.	WEIGHT
DIA.	DIAMETER	HR.	HOOR	RET.	RETAINING	W.W.F.	WELDED WIRE FABRIC
DING.	DIAGONAL	HT.	HEIGHT	RF.	ROOF	W	WITH
DIM.	DIMENSION	INSUL.	INSULATION	RM.	ROOM	W.C.	WATERCLOSET
DISP.	DISPENSER	INT.	INTERIOR			WD.	WOOD

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE
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5	A-2	NEW FLOOR PLAN
6	A-3	ELEVATIONS
7	A-4	SECTIONS
8	A-5	DETAILS
9	S-1	GENERAL NOTES
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12	S-4	DETAILS
13	M-1	MECHANICAL SCHEDULES
14	M-2	MECHANICAL SCHEDULES
15	M-3	MECHANICAL DEMO & NEW FLOOR PLAN
16	M-4	MECHANICAL NEW ROOF PLAN
17	M-5	MECHANICAL DETAILS
18	E-1	ELECTRICAL LEGEND & GENERAL NOTES
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20	E-3	ELECTRICAL FLOOR PLAN - PAINT BOOTH
21	E-4	PANEL SCHEDULES
22	E-5	SINGLE LINE DIAGRAM
23	P-1	PLUMBING LEGEND, GENERAL NOTES AND SCHEDULES
24	P-2	PLUMBING DEMO & NEW FLOOR PLANS

LEGAL DESCRIPTION:

SEC 34-16-2W SEQ 73.90 AC M/L IN/

SITE ADDRESS

2740 CAMINITO CHOLLAS,
SAN DIEGO, CA 92105

ASSESSOR'S NUMBER

477-490-07

PROJECT DATA

EXISTING USE: FLEET SERVICES FACILITY
PROPOSED USE: NO CHANGE
OCCUPANCY: F-1
CONSTRUCTION TYPE: TYPE III-B
STORIES: 1
YEAR OF CONSTRUCTION: 1962
REFERENCE DRAWINGS: 11013-D

OWNER

CITY OF SAN DIEGO
525 B STREET, SUITE 750
SAN DIEGO, CA 92101
PROJECT MANAGER: FRANCIS MARQUEZ
FLEET MANAGER: SCOTT HARRIS
T. 619.379.4065

PROJECT TEAM

ARCHITECT

ROESLING NAKAMURA ARCHITECTS, INC.
ATTN: KOTARO NAKAMURA
363 FIFTH AVENUE, SUITE 202
SAN DIEGO, CA. 92101
T. (619) 233-1023

CIVIL ENGINEER

BDS ENGINEERING, INC.
ATTN: TOM JONES, P.E.
5575 LAKE PARK WAY
LA MESA, CA. 91942
T. (619) 582-4992

STRUCTURAL ENGINEER

MARTIN & LIBBY STRUCTURAL ENGINEERS
ATTN: JEAN LIBBY, SE.
4452 GLACIER AVE.
SAN DIEGO, CA. 92120
T. (619) 280-9307

MECHANICAL

MA ENGINEERS
ATTN: VINCENT VEGAS, P.E.
5160 CARROLL CANYON RD.,
SUITE 200
SAN DIEGO, CA. 92121
T. (858) 200-0030

PLUMBING ENGINEER

MA ENGINEERS
ATTN: DAVID NOJI, LEED AP
5160 CARROLL CANYON RD.,
SUITE 200
SAN DIEGO, CA. 92121
T. (858) 200-0030

ELECTRICAL ENGINEER

BSE ENGINEERING, INC.
ATTN: MICHAEL O'BRIEN, P.E.
10680 TREENA STREET, SUITE 100
SAN DIEGO, CA. 92131
T. (858) 800-6000

WORK TO BE DONE

PROJECT CONSISTS OF REPLACING A 17'x48' PAINT BOOTH IN THE EQUIPMENT DIVISION SHOP BUILDING WITH A PRE-FABRICATED PAINT BOOTH. WORK WILL INVOLVE IMPROVEMENTS TO EXISTING MECHANICAL DUCTS, AIR-REPLACEMENT SYSTEM AND UPGRADING THE ELECTRICAL SYSTEM TO ACCOMMODATE NEEDS OF NEW PRE-FABRICATED PAINT BOOTH. PAINT BOOTH UNIT WILL BE A DEFERRED SUBMITTAL.

REFERENCE 2018 CITY STANDARD DRAWINGS/2018 GREEN BOOK & WHITE BOOK

APPLICABLE STANDARDS

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING PARTS OF THE TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS (CCR):
2019 BUILDING STANDARDS ADMINISTRATIVE CODE PART 1, TITLE 24 C.C.R.
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.;
2019 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 C.C.R.;
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.;
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.;
2019 CALIFORNIA ENERGY CODE (CPC), PART 6, TITLE 24 C.C.R.;
2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.;
2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
2019 TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2006 NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS
2008 NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS
REFERENCE CODE SECTION FOR NFPA STANDARDS - CBC (SFM) 3504.1
AMERICAN WITH DISABILITIES ACT (ADA), TITLE II, ADA STANDARDS FOR ACCESSIBLE DESIGN

LEGEND

---	PROPERTY LINE		GYP. BD.		WALL TYPE REFERENCE
-78-	NEW OR FINISHED CONTOURS		PLASTER OR STUCCO		SIGN TYPE REFERENCE
-71-	EXISTING CONTOURS		WORK POINT, CONNECTION POINT, DATUM POINT OR CONTROL POINT		ALIGN FINISHES
INDICATES SLOPE	SLOPING SURFACE		INTERIOR ELEVATION		DOT DIMENSION INDICATES CENTERLINE
	DETAIL NUMBER		SHEET ELEVATION APPEARS ON		ROOM NUMBER
	SHEET DETAIL APPEARS ON		NEW CONSTRUCTION		TICK MARK DIMENSION INDICATES F.O. STUD OR F.O. STRUCTURAL
	SECTION NUMBER		EXISTING TO REMAIN		ARROW DIMENSION INDICATES FACE OF FINISH
	SHEET SECTION APPEARS ON		KEY NOTE		DOOR NUMBER REFERENCE
	DOOR NUMBER		WINDOW NUMBER REFERENCE		
	WINDOW NUMBER				
	CONCRETE				
	SOIL				
	CONCRETE MASONRY UNIT				
	PLYWOOD				
	STEEL				
	WOOD BLOCKING				
	WOOD CONTINUOUS MEMBER				

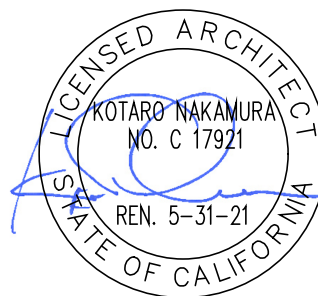
G-1

AS-BUILT INFORMATION

MATERIALS	MANUFACTURER
-	-
-	-
-	-
-	-

CONSULTANT

SPEC. NO. 1979



ROESLING NAKAMURA TERADA
ARCHITECTS INC
363 Fifth Avenue
San Diego, California 92101
P619-233-1023
www.rntarchitects.com


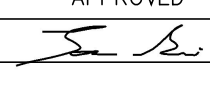

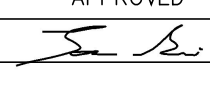

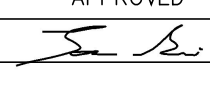
PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement

TITLE SHEET

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 1 OF 24 SHEETS					WBS L-14002.5
APPROVED: FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER DATE 11/16/2020 C77208 RCE#					SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER CHECKED BY: PROJECT ENGINEER
DESCRIPTION	BY	APPROVED	DATE	FILMED	207-1747 CCS27 COORDINATE
ORIGINAL	RNT		11/16/20		1847-6309 CCS83 COORDINATE
DATE STARTED DATE COMPLETED					41952-1 -D

PTS - 667515

Chollas Paint Booth Replacement

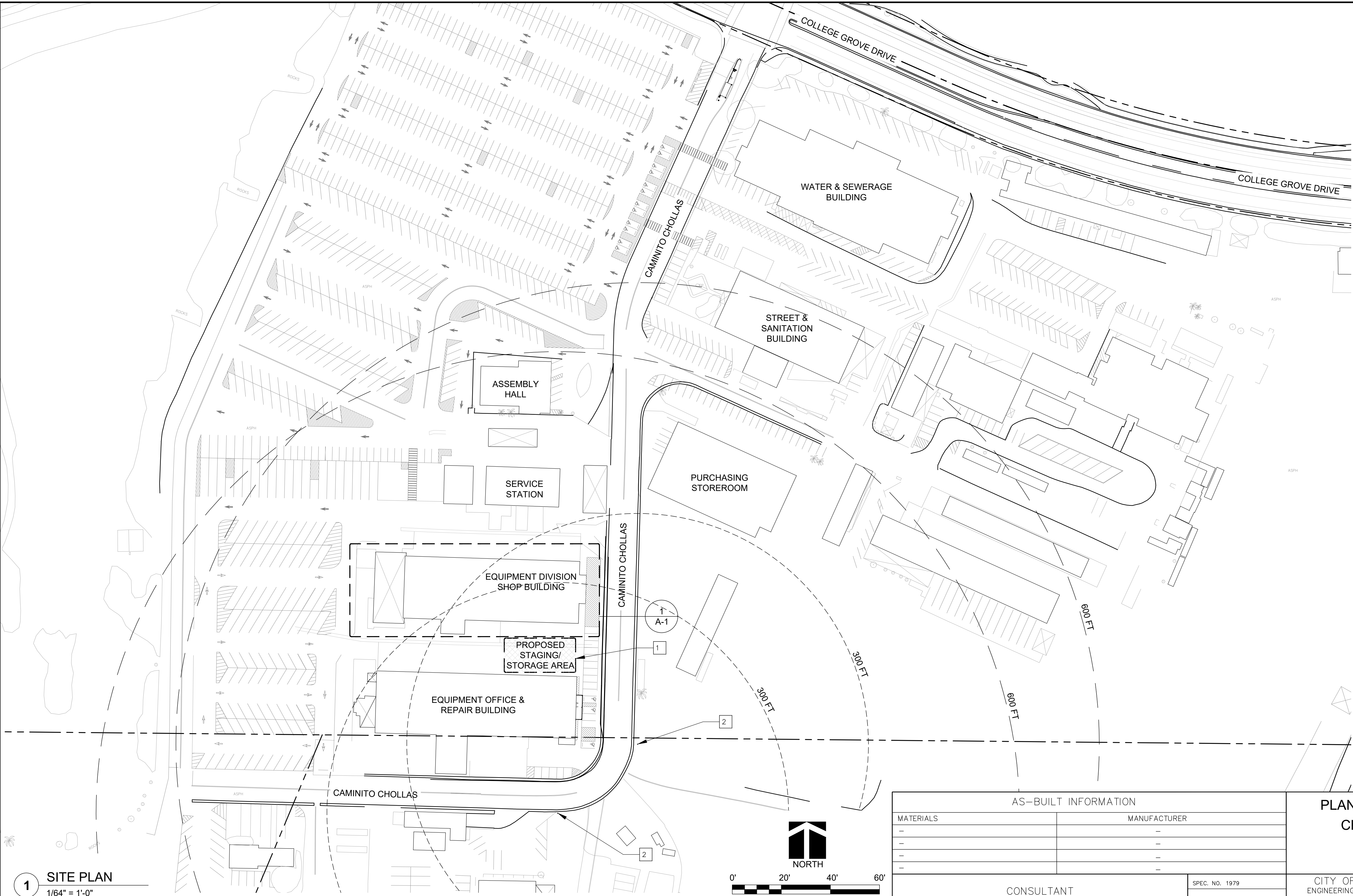
<div>GENERAL NOTES</div> <div>1. THE PROJECT SPECIFICATIONS ISSUED AS PART OF THESE CONSTRUCTION DOCUMENTS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS.</div> <div>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THAT ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE APPLICABLE CODES AND FEDERAL REQUIREMENTS AND REGULATIONS.</div> <div>3. THE CONTRACTOR IS ALSO RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.</div> <div>4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, GRADES, ELEVATIONS, SITE CONSTRAINTS, STAGING AREAS AND DIMENSIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.</div> <div>5. CONTRACTOR SHALL DOCUMENT EXISTING SITE CONDITIONS BY VIDEO AND PICTURES BEFORE DISTURBANCE AND SUBMIT RECORDS TO RESIDENT ENGINEER.</div> <div>6. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL EXISTING UTILITY SERVICES IN THE AREA TO BE EXCAVATED PRIOR TO THE BEGINNING OF EXCAVATION. THE CONTRACTOR SHALL PROTECT ALL UTILITY LINES, SERVICE LINES TO REMAIN WHICH ARE ENCOUNTERED DURING CONSTRUCTION.</div> <div>7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REQUIREMENTS AND REGULATIONS.</div> <div>8. DO NOT SCALE ANY DRAWINGS IN THIS SET.</div> <div>9. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.</div> <div>10. SURVEY - CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SURVEYING.</div> <div>11. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH ANY WORK SO INVOLVED. NO CHANGES ARE TO BE MADE UNLESS THE ARCHITECT AND THE OWNER ARE NOTIFIED IN WRITING AND APPROVE SUCH A CHANGE ACCORDING TO THE CONTRACT.</div> <div>12. THE ARCHITECT IS NOT RESPONSIBLE FOR ASBESTOS ABATEMENT OR ANY OTHER HAZARDOUS MATERIALS. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, CONTRACTOR SHALL CONTACT THE RESIDENT ENGINEER.</div> <div>13. CONTRACTOR SHALL COMPLY AND WORK COOPERATIVELY WITH THE CHOLLAS YARD SECURITY REQUIREMENTS.</div> <div>14. DURING CONSTRUCTION PERIOD, MATERIALS OF CONSTRUCTION SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOF. THE LOAD SHALL NOT EXCEED THE DESIGN LIVE LOADS FOR EACH PARTICULAR LEVEL.</div> <div>15. TRADE NAMES AND MANUFACTURERS REFERRED TO ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTIONS WILL BE PERMITTED AS APPROVED BY THE OWNER, AND THE ARCHITECT ONLY UPON SUBMITTALS, AND FOR A LIMITED PERIOD.</div> <div>16. ITEMS SHOWN AS N.I.C. ON PLANS MAY REQUIRE SEPARATE SUBMITTALS, APPROVALS AND PERMITS. INSTALLING CONTRACTOR(S) IS RESPONSIBLE FOR OBTAINING PERMITS FOR SUCH ITEMS.</div> <div>17. NOT USED.</div> <div>18. PAINT ALL NEW SERVICES THAT ARE NOT FACTORY FINISH TO MATCH EXISTING COLORS.</div> <div>19. CONTRACTOR SHALL ENSURE ALL FINISH MATERIALS BE FLUSH WHERE NEW FINISH SURFACE MATERIAL JOIN EXISTING TO PROVIDE SMOOTH TRANSITION.</div> <div>20. NOT USED.</div> <div>21. NOT USED.</div> <div>22. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).</div> <div>23. TACTILE EXIT SIGNS SHALL BE REQUIRED PER CBC 11B-703.2</div> <div>24. CLASS I, II AND III- A LIQUIDS SHALL NOT BE PLACED OR STORED IN ANY OF GROUP "A" OCCUPANCY (CBC SECTION 307.8).</div> <div>25. NO HAZARDOUS MATERIALS THAT EXCEED THE QUANTITIES LISTED IN UBC TABLES 3D & 3E WILL BE STORED AND OR USED WITHIN BUILDINGS.</div> <div>26. NOT USED.</div> <div>27. NOT USED.</div> <div>28. NOT USED.</div>				<div>FIRE PROTECTION NOTES</div> <div>1. NOT USED.</div> <div>2. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. NO DEAD BOLTS, NO SLIDING BOLTS, ETC.</div> <div>3. FIRE ALARM SYSTEM SHALL BE OPERABLE AT ALL TIMES. MANUAL PULL STATIONS SHALL BE LOCATED AS REQUIRED. CBC SECTION 907.4.2</div> <div>4. INTERIOR FINISHES SHALL COMPLY WITH THE REQUIREMENTS OF CH. 8, CBC 2016 EDITION.</div> <div>5. ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. (C.C.R. T-19, SEC. 1.14, 3.08, 3.21, AND C.F.C. SEC. 1103.3.3).</div> <div>6.THE CONSTRUCTION,REMODEL,OR DEMO. OF A BLDG. SHALL COMPLY WITH CFC ARTICLE 87.</div> <div>7. FIRE HYDRANTS SHALL COMPLY WITH FIRE DEPARTMENT REQUIREMENTS FOR ON-SITE FIRE HYDRANTS.</div> <div>8. WHEN SERVING MORE THAN 100 SPRINKLER HEADS, AUTOMATIC SPRINKLER SYSTEM SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY OR REMOTE, STATION SERVICE, OR SHALL BE PROVIDED WITH A LOCAL ALARM WHICH WILL GIVE AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION PER SECTION 903.4.</div> <div>9. CONTRACTOR SHALL PROVIDE PROPER FIRE TRUCK ACCESS AND FIRE EXITS DURING CONSTRUCTION AT ALL TIMES.</div> <div>10. PENETRATIONS OF FIRE RESISTIVE WALLS, FLOOR-CEILINGS AND ROOF CEILINGS SHALL BE PROTECTED AS REQUIRED IN CBC SECTIONS 714 AND 715.</div> <div>11. AUDIBLE AND VISUAL ALARMS WILL COMPLY WITH THE PROVISIONS OF NFPA 72G.</div> <div>12. WALL AND CEILING MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC TABLE 803-11.</div> <div>13.FOAM PLASTICS SHALL NOT BE USED AS INTERIOR FINISH EXCEPT AS PROVIDED IN SEC. 2604.</div> <div>14. MANUAL FIRE ALARM BOXES ARE NOT REQUIRED FOR GROUP-A OCCUPANCIES WHERE THE BUILDING SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 AND THE OCCUPANT NOTIFICATION APPLIANCES WILL ACTIVATE THROUGHOUT THE NOTIFICATION ZONES UPON SPRINKLER WATERFLOW. (CBC 907.2.1)</div> <div>15. PER SECTION 1009.8, WHEN SPRINKLER OR FIRE ALARMS ARE PROVIDED, THEY SHALL COMPLY WITH THE CBC, CHAPTER 35.</div> <div>16. APPROVED NOTIFICATION APPLIANCES FOR THE HEARING IMPAIRED SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF NFPA 72G IN THE FOLLOWING AREAS: RESTROOMS, MULTIPURPOSE ROOMS, OCCUPIED ROOMS WHERE AMBIENT NOISE IMPAIRS HEARING OF THE FIRE ALARM, LOBBIES, MEETING ROOMS, AND ANY OTHER AREA FOR COMMON USE. SECTION 3501.1, AMENDMENT TO SECTION 6-4.5.</div> <div>17. DURING CONSTRUCTION, AT LEAST ONE EXTINGUISHER SHALL BE PROVIDED ON EACH FLOOR LEVEL AT EACH STAIRWAY, IN ALL STORAGE AND CONSTRUCTION SHEDS, IN LOCATIONS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED OR USED, AND WHERE OTHER SPECIAL HAZARDS ARE PRESENT PER CFC 1415.1</div> <div>18. BUILDINGS UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION SHALL CONFORM TO CFC CHAPTER 14, WELDING, CUTTING, AND OTHER HOT WORK SHALL BE IN CONFORMANCE WITH CDC CHAPTER 26.</div> <div>19. ADDRESS IDENTIFICATION SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDINGS IN A LOCATION THAT IS PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. WHERE ACCESS IS BY WAY OF PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, AN APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE.</div> <div>20. WALL, FLOOR AND CEILING FINISHES AND MATERIALS SHALL NOT EXCEED THE INTERIOR FINISH CLASSIFICATIONS IN CBC TABLE 803.3AND SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1. DECORATIVE MATERIALS SHALL BE PROPERLY TREATED BY A PRODUCT OR PROCESS APPROVED BY THE STATE FIRE MARSHAL WITH APPROPRIATE DOCUMENTATION PROVIDED TO THE CITY OF SAN DIEGO.</div> <div>21. DUMPSTERS AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORED IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN A TYPE I OR IIA STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIC YARD SHALL BE OF NON- OR LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED.CFC 304.3</div> <div>22. EXITS, EXIT SIGNS, FIRE ALARM PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS OR OTHER DECORATIVE MATERIAL.</div> <div>23. OPEN FLAMES, FIRE, AND BURNING ON PREMISES IS PROHIBITED.</div> <div>24. THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES. NO STORAGE IS PERMITTED IN ANY EGRESS PATHS.</div> <div>25. NOT USED.</div>				<div>CAL. GREEN BUILDING STAND.</div> <div>1. IN ORDER TO COMPLY WITH ALL MANDATORY REQUIREMENTS OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE, THE PROJECT MUST MEET ALL OF THE REQUIREMENTS OF DIVISIONS 5.1 THROUGH 5.5.</div> <div>2. NOT USED.</div> <div>3. NOT USED.</div> <div>4. ADHESIVES, SEALANTS, CAULKS. ADHESIVES AND SEALANTS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS. (SECTION 5.504.4.1 OF CAL GREEN) ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCAQMD RULE 1168 VOC LIMITS, AS SHOWN IN TABLES 5.504.4.1 AND 5.504.4.2 OF CAL GREEN.</div> <div>5. A LETTER FROM THE CONTRACTOR OR BUILDING OWNER CERTIFYING WHAT MATERIAL HAS BEEN USED AND ITS COMPLIANCE WITH THE CODE MUST BE SUBMITTED TO THE BUILDING INSPECTOR.</div> <div>6. AEROSOL ADHESIVES, AND SMALLER SIZE UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.</div> <div>7. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH TABLE 5.504.4.2 UNLESS MORE STRINGENT LOCAL LIMITS APPLY.</div> <div>8. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(A)(3) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES (CCR, TITLE 17, COMMENCING WITH SECTION 94507.</div> <div>9. NOT USED.</div> <div>10. NOT USED.</div> <div>11. NOT USED.</div> <div>12. DOCUMENTATION SHALL BE PROVIDED VERIFYING THAT RESILIENT FLOORING MATERIALS MEET THE POLLUTANT EMISSION LIMITS.</div> <div>13. SMOKING PROHIBITED WITHIN 25 FEET OF BUILDING ENTRIES, OUTDOOR AIR INTAKES AND OPERABLE WINDOWS WHERE OUTDOOR AREAS ARE PROVIDED FOR SMOKING, AND IN BUILDINGS.</div> <div>14. CONSTRUCTION AND DEMOLITION WASTE: RECYCLE AND/OR SALVAGE REUSE A MINIMUM OF 65% OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH SECTION 5.408.1.1, 5.408.1.2 OR 5.408.1.3.</div>				<div>DEFERRED SUBMITTALS BY CONTRACTOR</div> <div>1. PRE-FABRICATED PAINT BOOTH SUBMITTAL.</div> <div>2. PRE-FABRICATED PAINT BOOTH FIRE SPRINKLER</div>																																																																	
				<div>DEFERRED SUBMITTALS BY CONTRACTOR NOTES</div> <div>1. PLANS FOR THE DEFERRED SUBMITTAL SHALL BE SUBMITTED IN A TIMELY MANNER BUT NOT LESS THAN 30 DAYS PRIOR TO INSTALLATION FOR THE CITY REVIEW AND APPROVAL.</div> <div>2. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.</div> <div>3. THE REGISTERED AND RESPONSIBLE DESIGN PROFESSIONAL SHALL REVIEW THE DEFERRED SUBMITTAL DOCUMENTS AND SUBMIT THEM TO THE BUILDING OFFICIAL, WITH ANNOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING.</div>																																																																									
				<div>HAZMAT NOTES</div> <div>1. ELECTRICAL WIRING AND EQUIPMENT IN FLAMMABLE VAPOR AREAS SHALL BE EXPLOSION PROOF TYPE APPROVED FOR SUCH HAZARDOUS LOCATIONS.</div> <div>2. ELECTRICAL WIRING AND EQUIPMENT LOCATED OUTSIDE OF, BUT WITHIN 5 FT HORIZONTAL AND 3 FT VERTICALLY OR THE OPENINGS TO SPRAY BOOTH OR SPRAY ROOM SHALL BE CLASS I, DIVISION 2 OR CLASS II, DIVISION 2 HAZARDOUS LOCATION.</div> <div>3. OPEN FLAMES AND SPARK-PRODUCING DEVICES WILL NOT BE LOCATED IN FLAMMABLE VAPOR AREAS AND NOT LOCATED WITHIN 20 FT OF SUCH AREAS UNLESS SEPARATED BY A PERMANENT PARTITION.</div> <div>4. ALL METAL PARTS OF SPRAY BOOTHS, EXHAUST DUCTS AND PIPING SYSTEMS CONVEYING CLASS I OR II LIQUIDS WILL BE ELECTRICALLY GROUNDED IN ACCORDANCE WITH CEC.</div> <div>5. NO SMOKING SIGNS SHALL BE CONSPICUOUSLY POSTED IN FLAMMABLE VAPOR AREAS AND HAZARDOUS MATERIALS STORAGE ROOMS PER SECTION 310.</div> <div>6. CLEANING MACHINES FOR SPRAY GUNS AND EQUIPMENT USING CLASS I LIQUIDS ARE NOT PERMITTED IN AREAS OPEN TO THE PUBLIC AND MUST BE SEPARATED FROM IGNITION SOURCES IN ACCORDANCE WITH LISTINGS BUT NOT LESS THAN 3 FT OF SEPARATION.</div> <div>7. SOLVENTS USED OUTSIDE OF SPRAY BOOTHS, SPRAY ROOMS OR LISTED SPRAY GUNS OR EQUIPMENT ARE LIMITED TO CLASS II AND III LIQUIDS.</div> <div>8. AUTOMATIC FIRE-EXTINGUISHING SYSTEMS MUST BE EQUIPPED WITH AN APPROVED INTERLOCK FEATURE THAT AUTOMATICALLY STOPS THE SPRAYING OPERATIONS AND WORK PIECE CONVEYORS INTO AND OUT OF THE FLAMMABLE VAPOR AREAS UPON FIRE-EXTINGUISHING ACTIVATION. WHERE A FIRE ALARM SYSTEM IS INSTALLED, THE DISCHARGE OF THE AUTOMATIC FIRE-EXTINGUISHING SYSTEM WILL ACTIVATE THE BUILDING FIRE ALARM NOTIFICATION APPLIANCES.</div> <div>9. WHERE SPRAY BOOTHS OR SPRAY ROOMS ARE USED ALSO FOR DRYING, THE SPRAYING APPARATUS, DRYING APPARATUS AND VENTILATING SYSTEM SHALL BE PROVIDED WITH INTERLOCKS IN ACCORDANCE WITH CFC 2404.6.1.2.1.</div> <div>10. LIGHTING PROVIDED FOR THE SPRAYING SPACES, SPRAY ROOMS AND SPRAY BOOTHS SHALL BE PROVIDED IN ACCORDANCE WITH CFC 2404.6.2.</div> <div>11. THE MECHANICAL VENTILATION PROVIDED FOR THE FLAMMABLE VAPOR AREAS SHALL BE IN ACCORDANCE WITH CFC 2404.7.</div> <div>12. A MANUAL FIRE ALARM AND EMERGENCY SYSTEM SHUTDOWN STATION WILL BE INSTALLED TO SERVE EACH FLAMMABLE VAPOR AREA. AT LEAST ONE MANUAL FIRE ALARM AND EMERGENCY SYSTEM SHUTDOWN STATION WILL BE READILY ACCESSIBLE TO OPERATION PERSONNEL. IF ACCESS TO THIS STATION INVOLVES EXPOSURE TO DANGER, AN ADDITIONAL STATION WILL BE PROVIDED.</div>																																																																									
				<div>G-2</div>																																																																									
<div>CONSTRUCTION CHANGE / ADDENDUM</div> <table><tr><th>CHANGE</th><th>DATE</th><th>AFFECTED OR ADDED SHEET NUMBERS</th><th>APPROVAL NO.</th></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.																					<div>WARNING</div> <div>01</div> <div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.</div>		<div>The City of SAN DIEGO</div> <div>Engineering & Capital Projects</div>																																															
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GENERAL NOTES

- 1. ALL SITE CONDITIONS SHOWN ARE EXISTING UNLESS NOTED AS NEW.
- 2. ALL EXISTING AND/OR PROPOSED FIRE HYDRANTS WITHIN 600' OF THE PROJECT SITE AND A 300' RADIUS OVERLAY SHALL BE SHOWN TO ENCOMPASS ALL PORTIONS OF ALL STRUCTURES AS PART OF SUBMITTED PROJECT, SD ORDINANCE 17927.
- 3. SAN DIEGO MUNICIPAL CODE SECTION §55.0507 ITEM (c) HYDRANT LOCATIONS SHALL BE IDENTIFIED BY THE INSTALLATION OF REFLECTIVE BLUE COLORED MARKERS. SUCH MARKERS SHALL BE AFFIXED TO THE ROADWAY SURFACE, APPROXIMATELY CENTERED IN ROAD/LANE AND/OR BETWEEN CURBS. THE MARKER(S) SHALL BE AT A RIGHT ANGLE TO THE HYDRANT.

KEYNOTES

- 1 STAGING AREA LESS THEN 5,000 SQ. FT.
- 2 EXISTING FIRE-HYDRANT



1 SITE PLAN
1/64" = 1'-0"

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

The City of

SAN DIEGO

Engineering & Capital Projects

AS-BUILT INFORMATION

MATERIALS	MANUFACTURER

CONSULTANT

ROESLING NAKAMURA TERADA ARCHITECTS INC

363 Fifth Avenue
San Diego, California 92101
P619.233.1023
www.rntarchitects.com

LICENSED ARCHITECT

KOTARO NAKAMURA
NO. C 17921
REN. 5-31-21
11/19/2020

PLANS FOR THE CONSTRUCTION OF
Chollas Paint Booth Replacement

SITE PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 3 OF 24 SHEETS

WBS L-14002.5

APPROVED: 11/16/2020
FOR CITY ENGINEER DATE
JASON GRANI C77208
DEPUTY CITY ENGINEER RCE#

11/16/20

DATE FILMED

DESCRIPTION BY APPROVED DATE FILMED

ORIGINAL RNT 11/16/20

207-1747
CCS27 COORDINATE

1847-6309
CCS83 COORDINATE

41952-3 -D

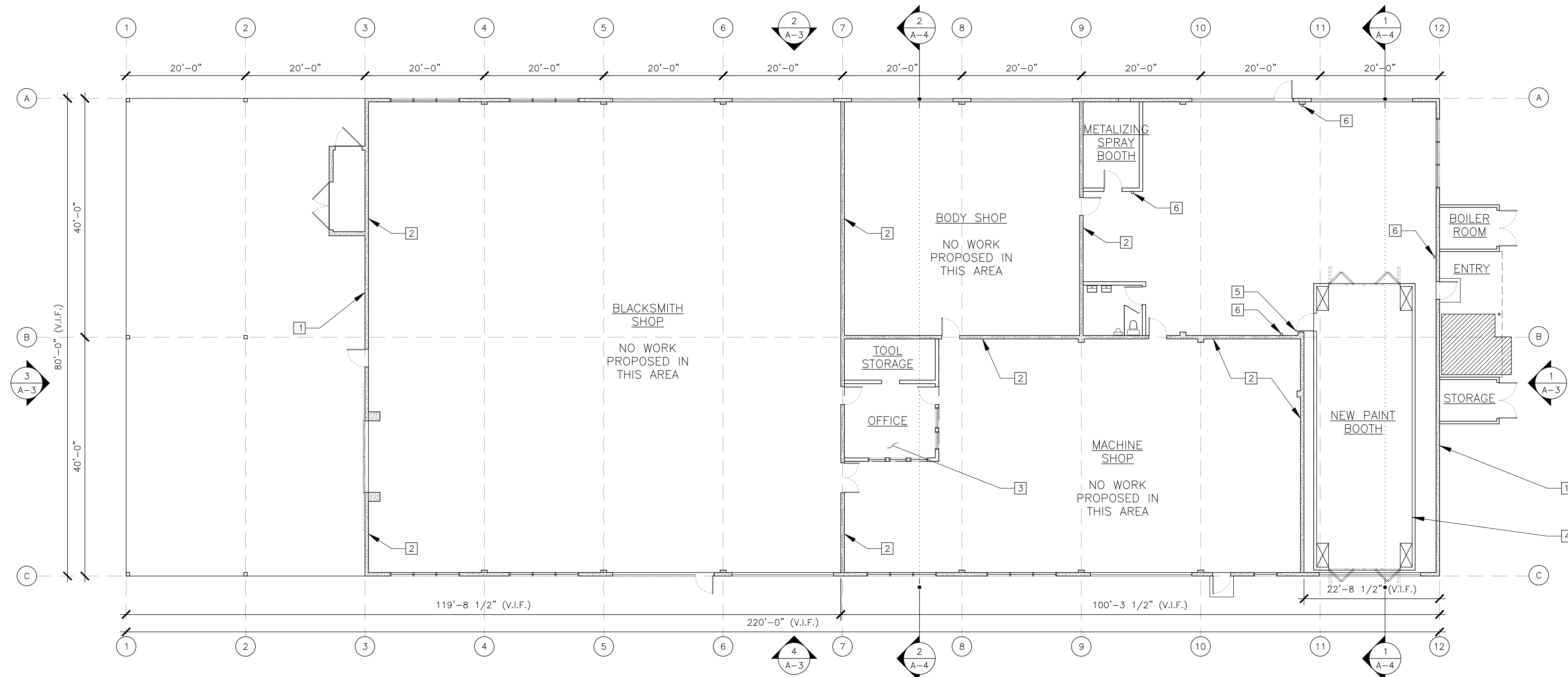
DATE STARTED
DATE COMPLETED

GENERAL NOTES

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2. PROTECT IN PLACE ALL BUILDING ELEMENTS FROM DAMAGE DURING CONSTRUCTION. ITEMS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY OR SHALL BE REPLACED WITH NEW BY THE CONTRACTOR WITHOUT COST TO THE CITY
3. ITEMS INDICATED TO BE RELOCATED OR TO BE REMOVED AND REINSTALLED SHALL BE CAREFULLY REMOVED, PROTECTED FROM DAMAGE, CLEANED, PRIOR TO REINSTALLATION. ITEMS DAMAGED SHALL BE REPLACED WITH NEW BY CONTRACTOR WITHOUT COST TO THE CITY.
4. SEE SHEET A-5 FOR TYPICAL ROOF PENETRATION DETAILS.
5. PROVIDE 1-HR RATED PROTECTION AT PAINT BOOTH AND AUTOMATIC SPRINKLER SYSTEM (DEFERRED SUBMITTAL).
6. PAINT BOOTH EGRESS DOOR SHALL BE 30"x80" MINIMUM.

KEYNOTES

- 1 EXISTING BUILDING TO REMAIN
- 2 EXISTING PRE-CAST CONCRETE WALL
- 3 EXISTING ELECTRICAL ROOM ON SECOND FLOOR
- 4 INSTALL NEW PAINT BOOTH, TYP. OF 1
- 5 NEW PAINT BOOTH EGRESS DOOR SHALL BE 30"x80" MIN.
- 6 INSTALL NEW FIRE EXTINGUISHER PER CFC SECTION 906. INCLUDE V-SHAPE SIGNAGE



EXISTING
BUILDING

<u>AGGREGATE AREA OF EXISTING BUILDING:</u>	14,098 SQ FT
<u>AREA OF PAINT BOOTH:</u>	816 SQ FT
<u>% OF PAINT BOOTH:</u>	5.78%

A-2

NEW FLOOR PLAN

$$3/32'' = 1'-0''$$

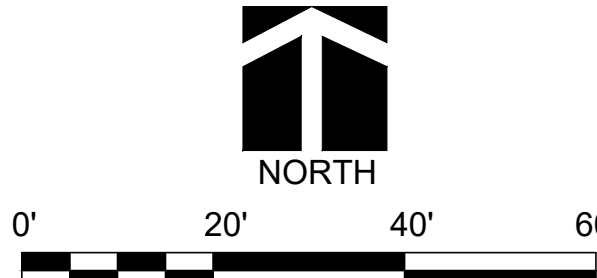
CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

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The City of
SAN DIEGO  Engineering &
Capital Projects

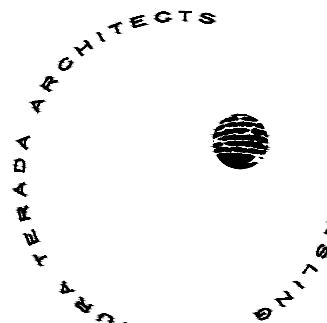


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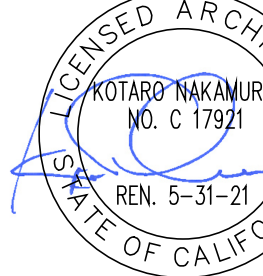
MATERIALS	MANUFACTURER
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CONSULTANT

SPEC. NO.



**ROESLING NAKAMURA TER
ARCHITECTS INC**
363 Fifth Avenue
San Diego, California 92101
P619.233.1023
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CONTRACTOR
INSPECTOR

PLANS FOR THE CONSTRUCTION C

Chollas Paint Booth Replacement

NEW FLOOR PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 5 OF 24 SHEETS

WBS L-14002

APPROVED: <u><i>[Signature]</i></u> FOR CITY ENGINEER _____ <u>JASON GRANI</u> DEPUTY CITY ENGINEER _____	11/16/2020 DATE _____ C77208 RCE# _____	SUBMITTED BY: FRANCIS S. MARGOLIS PROJECT MANAGER CHECKED BY: _____
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DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	RNT		11/16/20		207-1747 CCS27 COORDINATOR
					1847-6309

DATE STARTED _____	41952-5 -D
DATE COMPLETED _____	

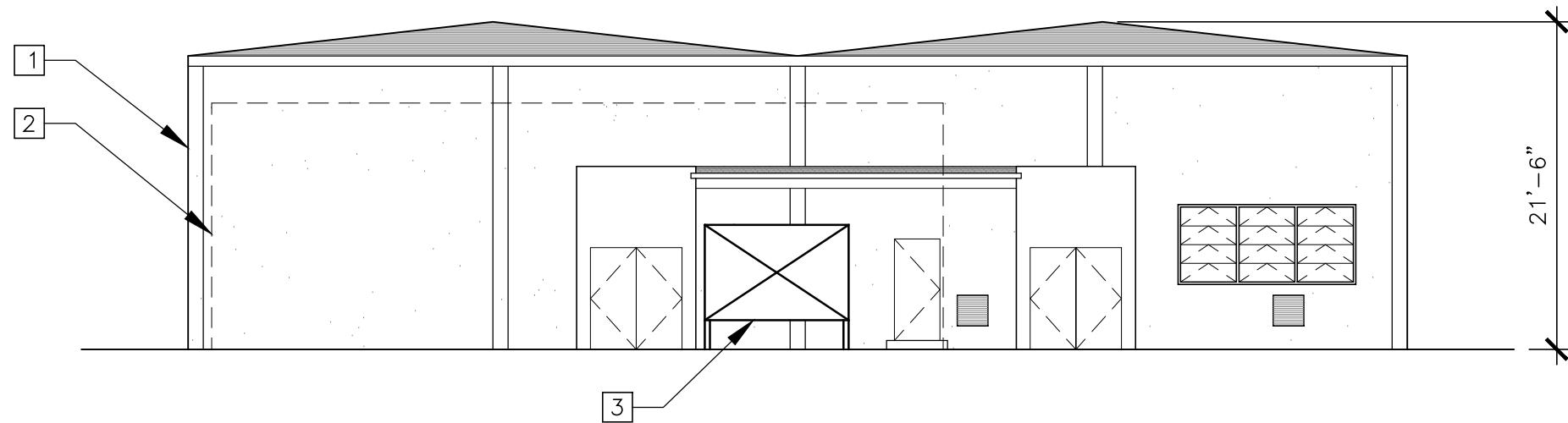
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- 4. CONTRACTOR TO FIELD VERIFY BUILDING DIMENSIONS.

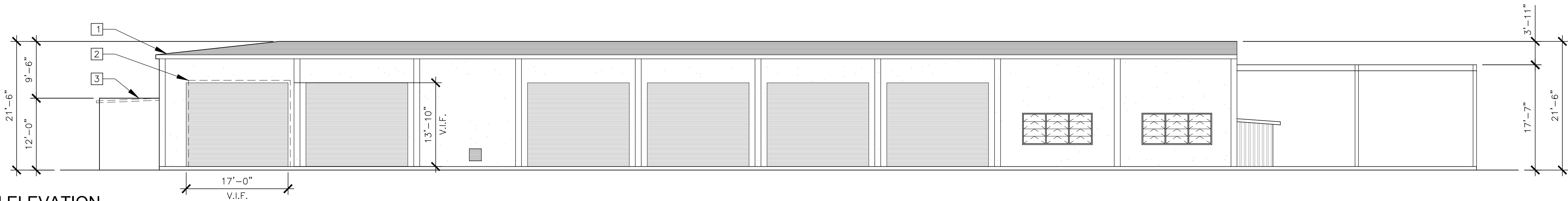
KEYNOTES

- 1 EXISTING BUILDING TO REMAIN
- 2 AREA OF NEW PAINT BOOTH WORK
- 3 AREA OF NEW MECHANICAL EQUIPMENT

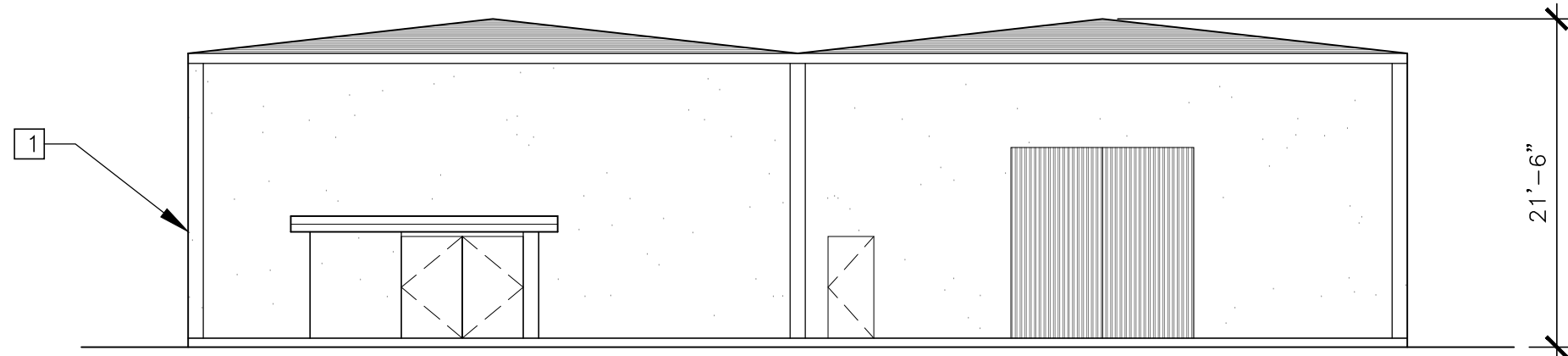
1 EAST ELEVATION
3/32" = 1'-0"



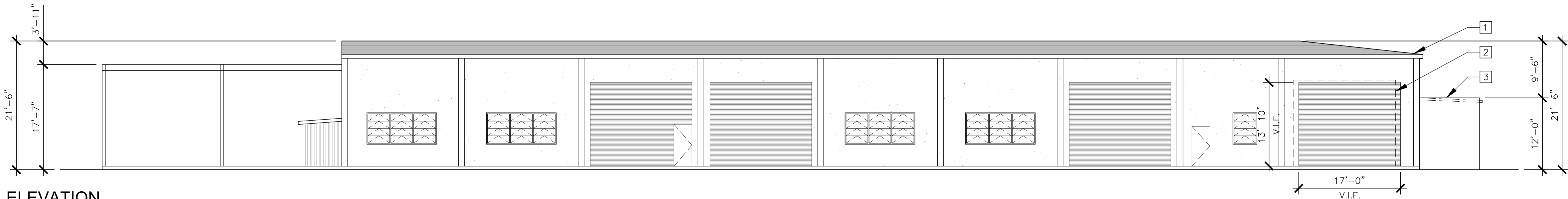
2 NORTH ELEVATION
3/32" = 1'-0"



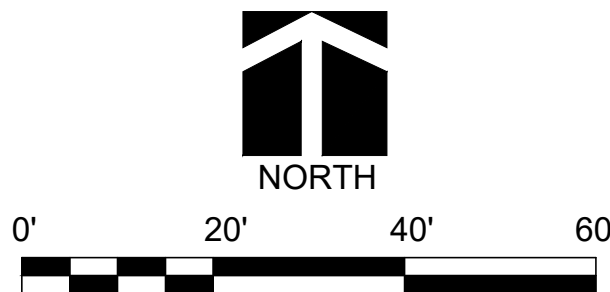
3 WEST ELEVATION
3/32" = 1'-0"



4 SOUTH ELEVATION
3/32" = 1'-0"



A-3



CONSTRUCTION CHANGE / ADDENDUM			
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KOTARO NAKAMURA
NO. C 17921
REN. 5-31-21
11/19/2020
CONTRACTOR INSPECTOR

SPEC. NO. 1979

PLANS FOR THE CONSTRUCTION OF
Chollas Paint Booth Replacement

ELEVATIONS

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING & CAPITAL PROJECTS DEPARTMENT
SHEET 6 OF 24 SHEETS

WBS L-14002.5

APPROVED:
FOR CITY ENGINEER DATE 11/16/2020
DEPUTY CITY ENGINEER JASON GRANI C77208
RCE#
DESCRIPTION BY APPROVED DATE FILMED
ORIGINAL RNT 11/16/20

SUBMITTED BY: FRANCIS S. MARQUEZ
PROJECT MANAGER
CHECKED BY: PROJECT ENGINEER
207-1747
CCS27 COORDINATE
1847-6309
CCS83 COORDINATE
41952-6 -D

DATE STARTED
DATE COMPLETED

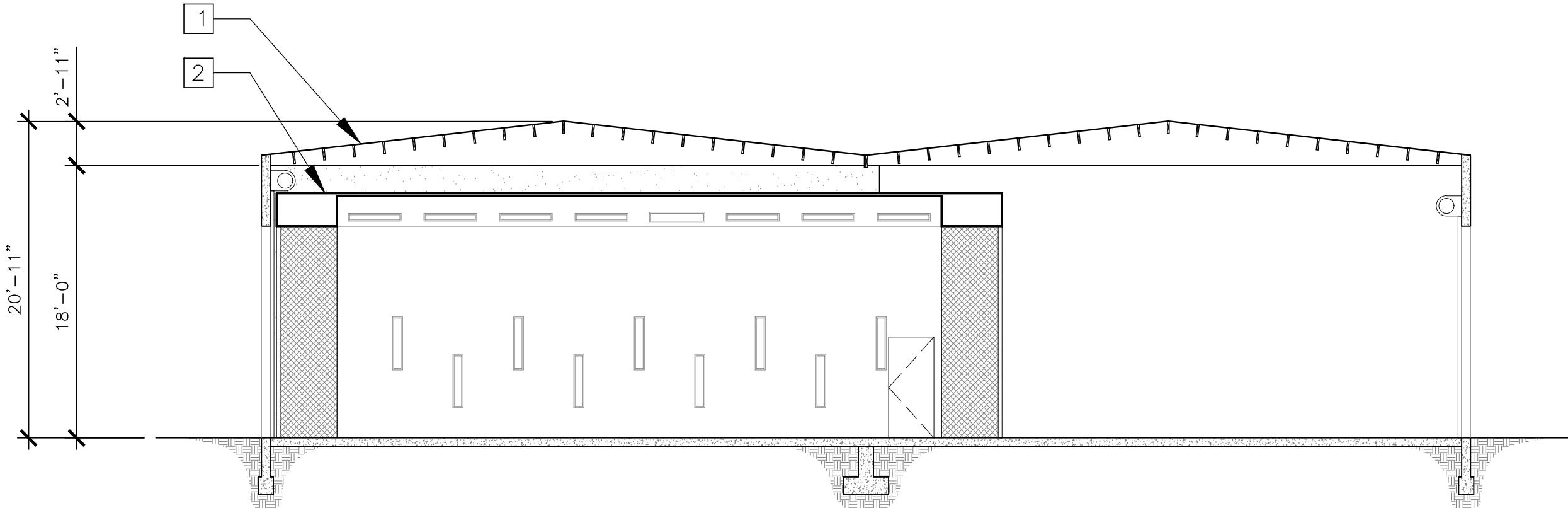
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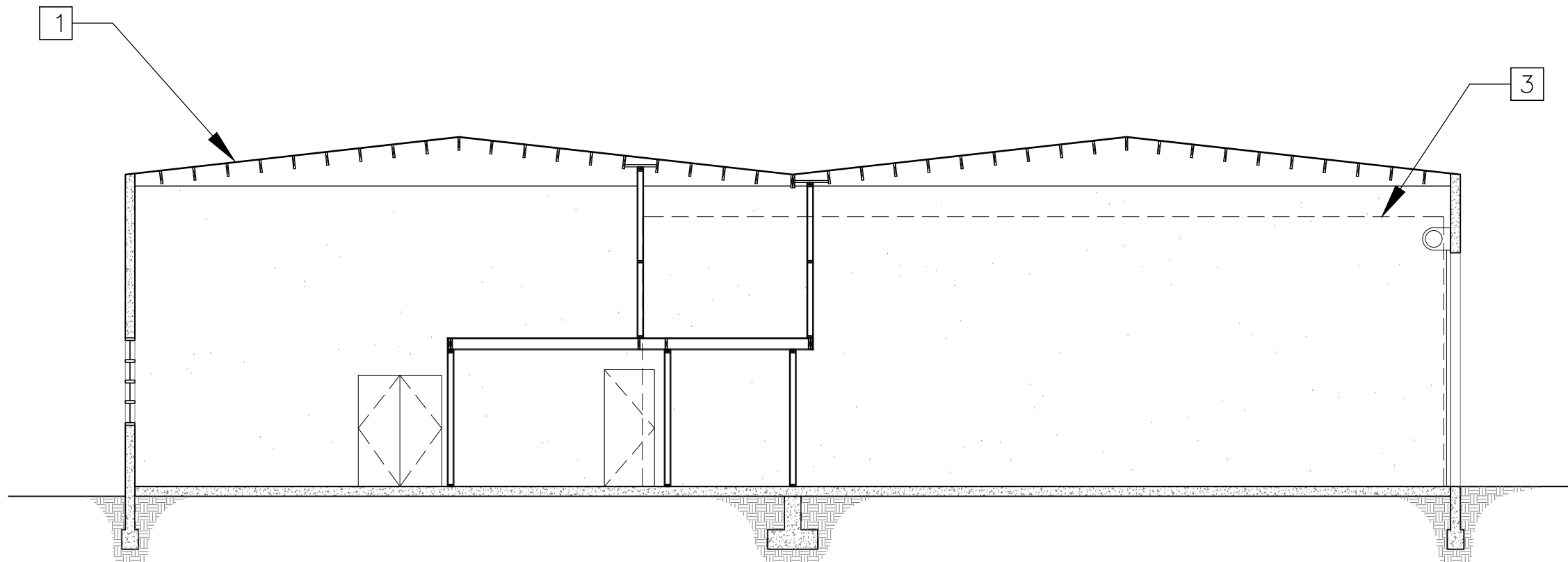
KEYNOTES

- 1 EXISTING BUILDING TO REMAIN
- 2 NEW PAINT BOOTH, TYP. OF 1
- 3 AREA OF NEW PAINT BOOTH BEYOND

1 CROSS SECTION
3/32" = 1'-0"



2 CROSS SECTION
3/32" = 1'-0"



A-4

AS-BUILT INFORMATI

MATERIALS	MANUFACTURER
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—	—
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PLANS FOR THE CONSTRUCTION OF

Chollas Paint Booth Replacement

SECTION

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 7 OF 24 SHEETS					WBS _____ L-14002.5
APPROVED: <u>JS</u> _____ DATE <u>11/16/2020</u>					SUBMITTED BY: <u>FRANCIS S. MARQUEZ</u>
FOR CITY ENGINEER <u>JASON GRANI</u> DATE <u>C77208</u>					PROJECT MANAGER _____
DEPUTY CITY ENGINEER _____ RCE# _____					CHECKED BY: _____
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	RNT	<u>JS</u> <u>JS</u>	11/16/20		
					207:1747
					CCS27 COORDINATE
					1847-6309
					CCS83 COORDINATE
DATE SUBMITTED					
DATE COMPLETED					41952 - 7 - 0

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

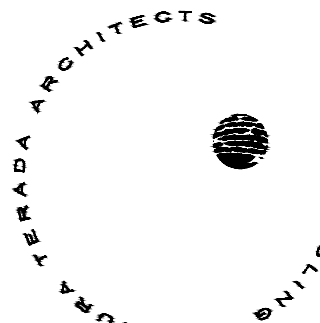
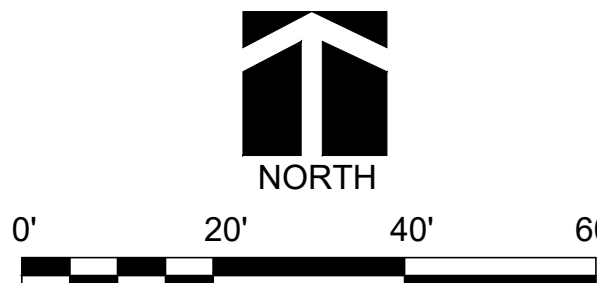
WARNING



IF THIS BAR DOES
NOT MEASURE 1"
THEN DRAWING IS
NOT TO SCALE.

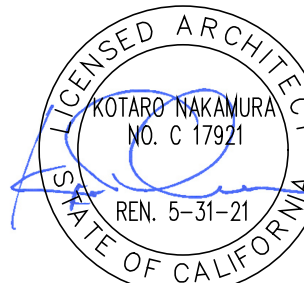


Engineering & Capital Projects



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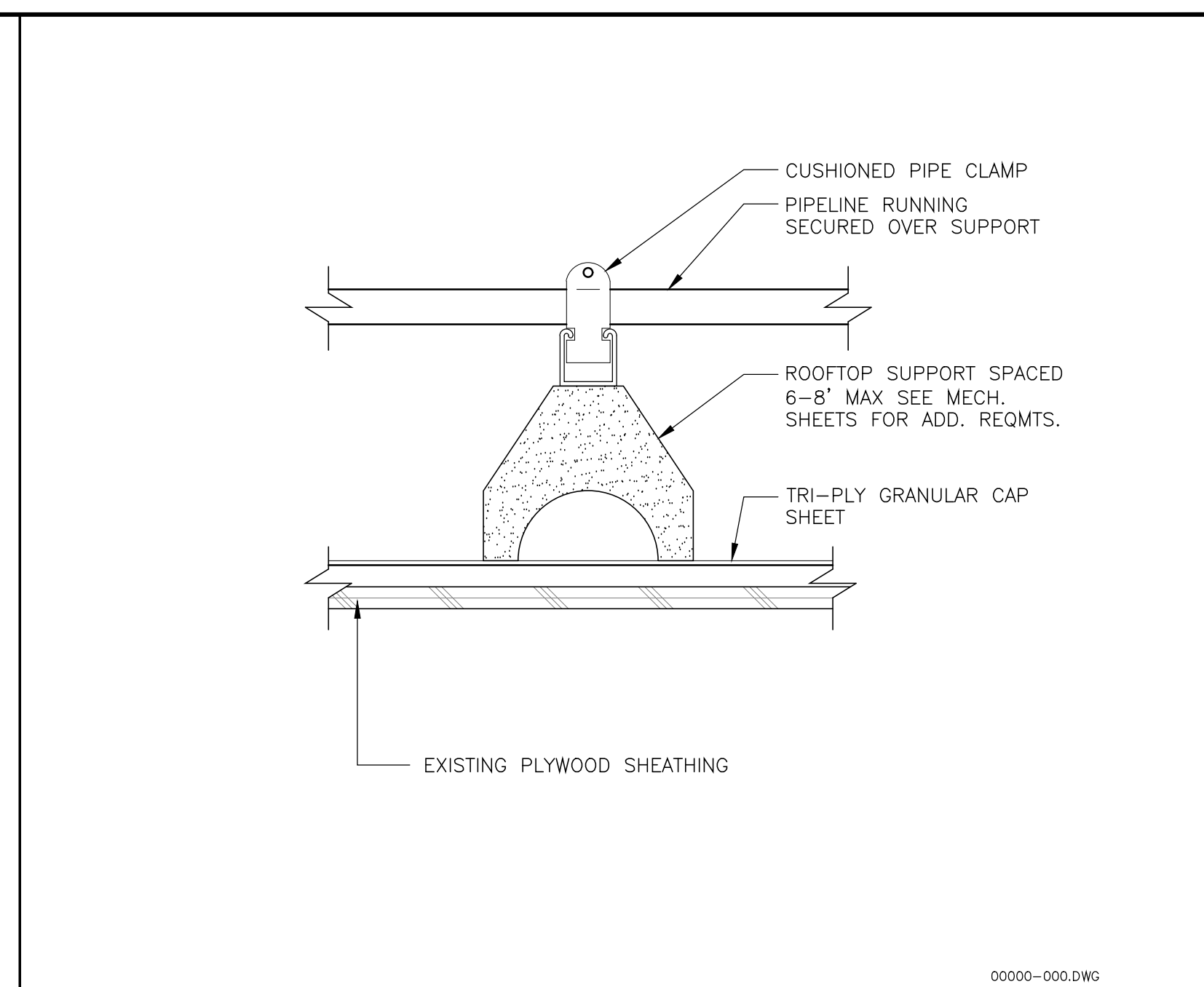
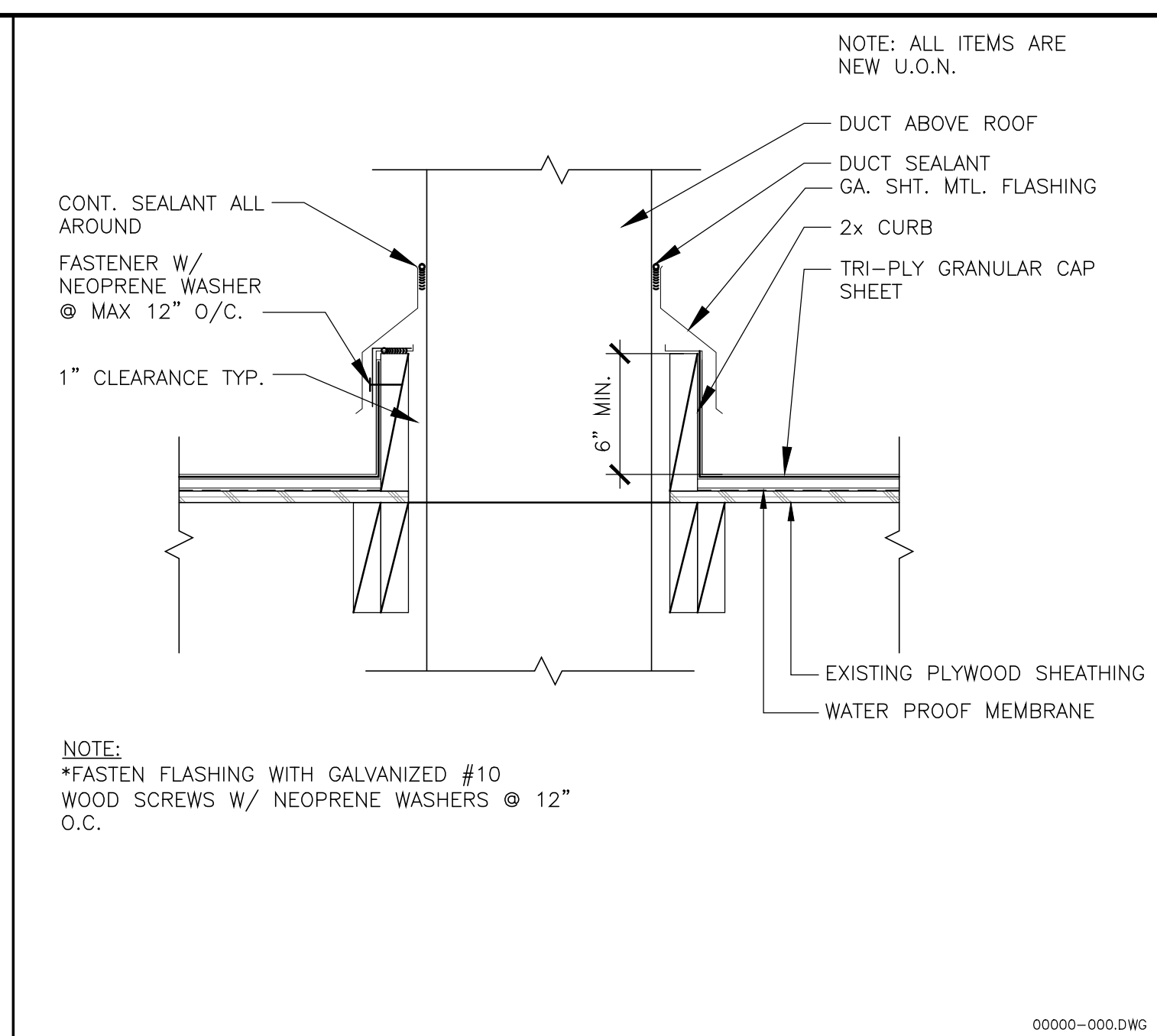
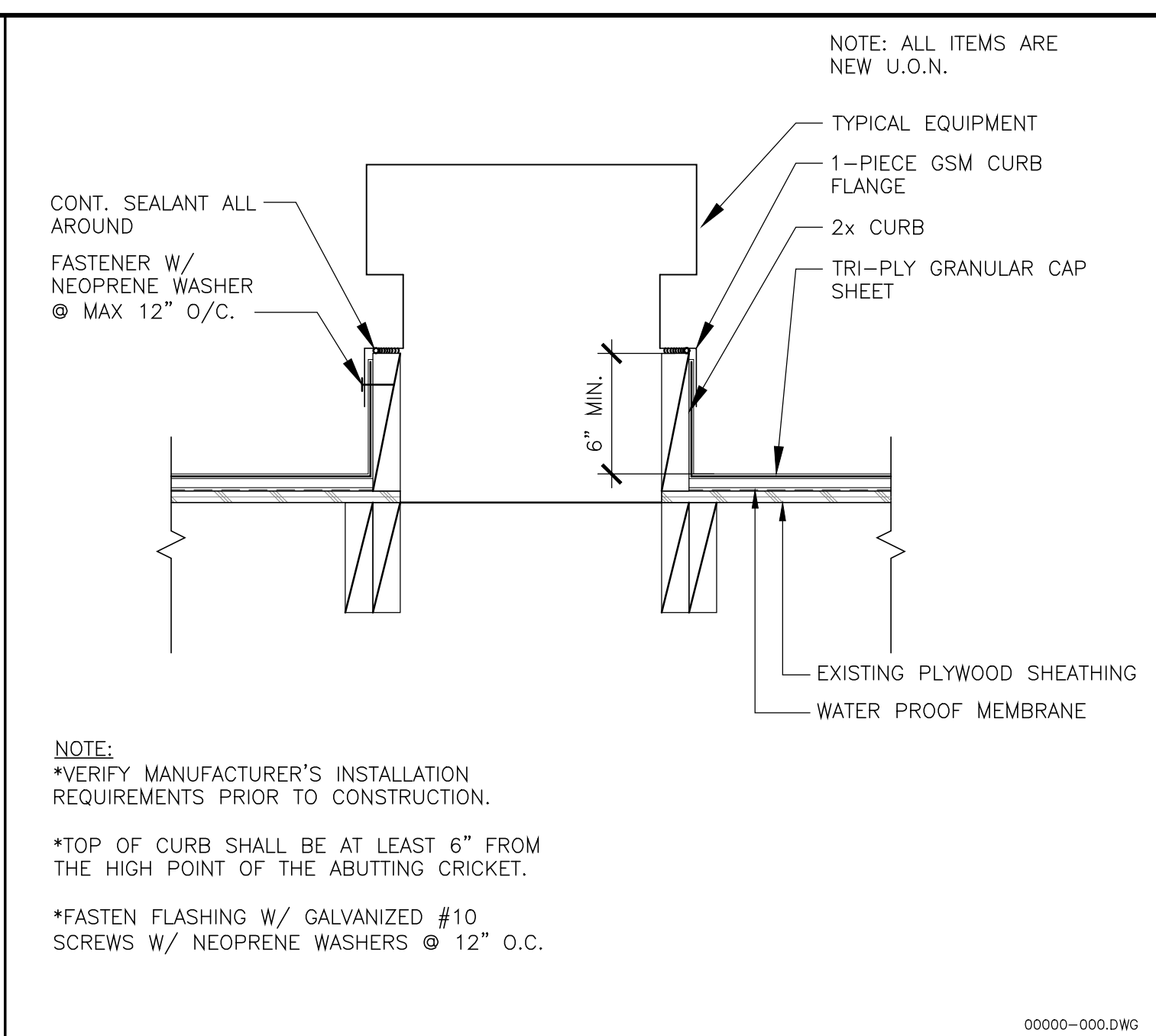
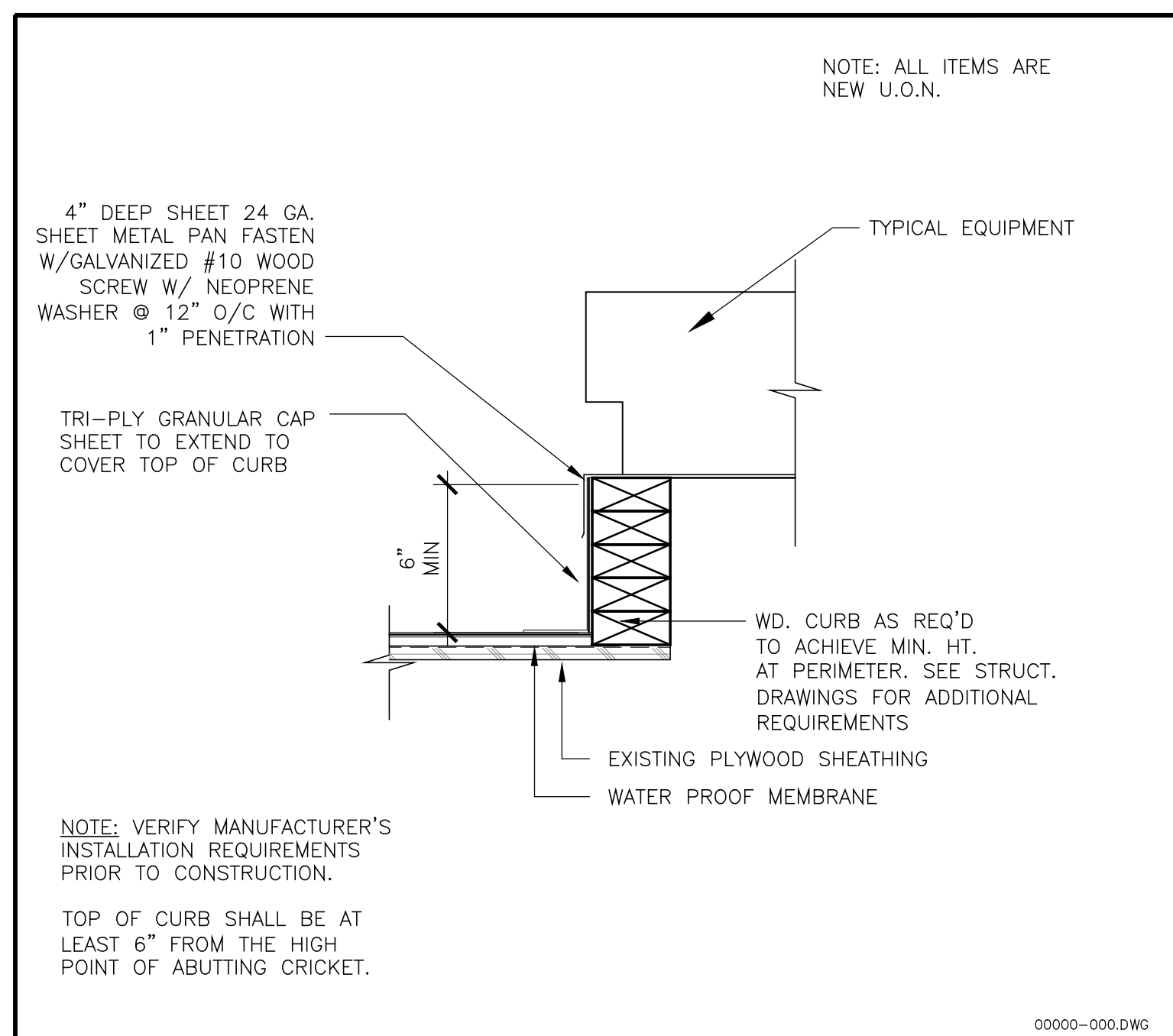
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CONTRACTOR
INSPECTOR

DATE STARTED _____
DATE COMPLETE _____

PTS - 667515



(N) HVAC UNIT CURB

$$1-1/2'' = 1'-0'' \quad (1)$$

TYPICAL EQUIPMENT CURB MOUNT

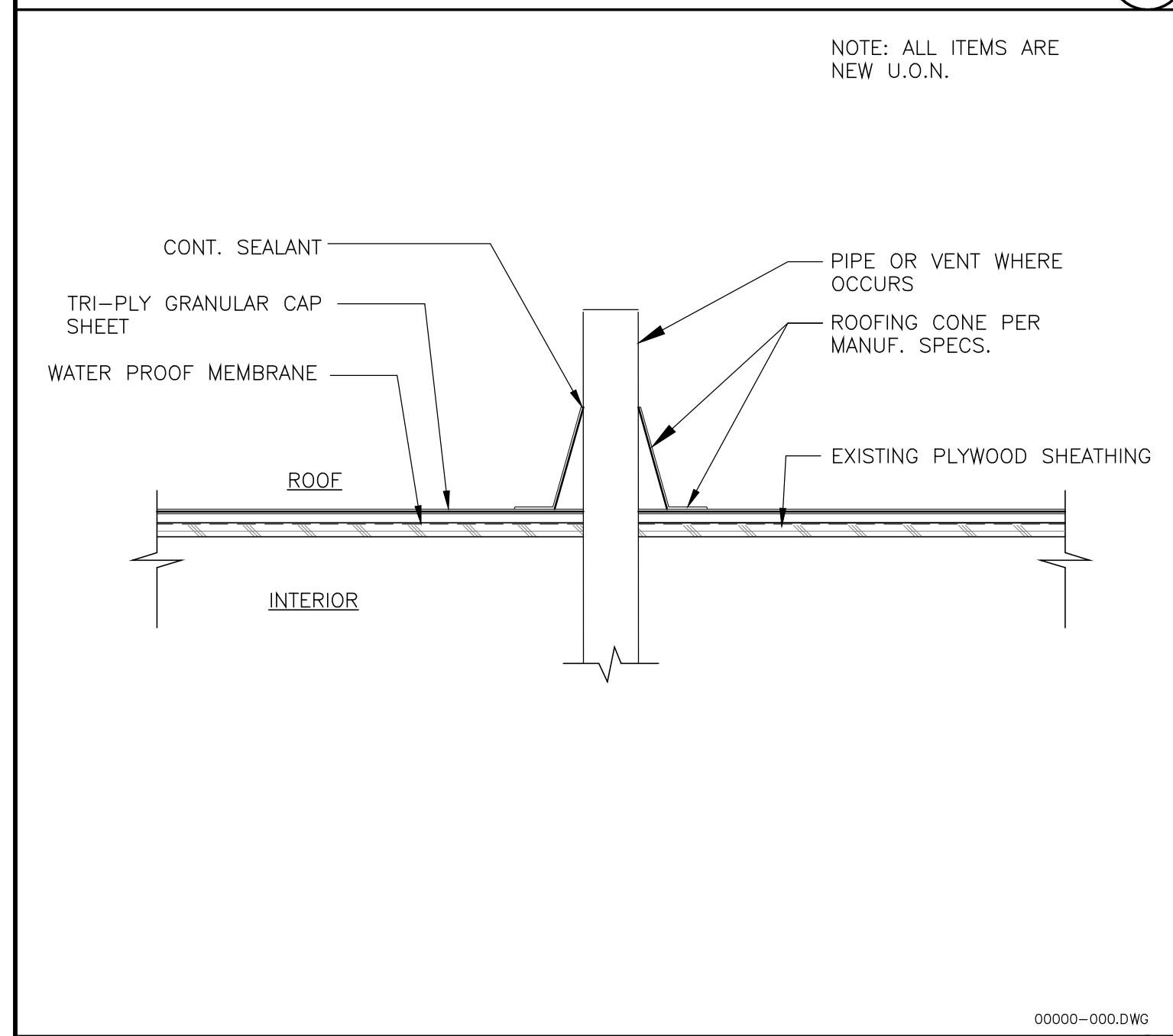
$$1-1/2'' = 1'-0'' \quad (2)$$

DUCT PENETRATION THROUGH ROOF

$$1-1/2'' = 1'-0'' \quad (3)$$

ROOF PIPE SUPPORT

3" = 1'-0" (4)



ROOF PENETRATION

$$1-1/2'' = 1'-0'' \quad (5)$$

A-5

				AS-BUILT INFORMATION				PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement											
				MATERIALS		MANUFACTURER													
				-		-													
				-		-													
				-		-													
				CONSULTANT		SPEC. NO. 1979		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 8 OF 24 SHEETS				WBS L-14002.5							
CONSTRUCTION CHANGE / ADDENDUM				<div><div><div><div></div><div>0</div><div>1</div></div><div>WARNING</div><div>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.</div></div></div> <div><div><div>The City of</div><div>SAN DIEGO</div><div>Engineering & Capital Projects</div></div></div>				<div><div><div>ARCHITECTS</div><div>ROESLING NAKAMURA TERADA ARCHITECTS INC.</div><div>353 Fifth Avenue San Diego, California 92101 P619.233.1023 www.rntarchitects.com</div></div><div><div>11/16/2020</div><div>11/16/2020</div></div></div>				<div><div><div>LICENSED ARCHITECT</div><div>FRANCISCO S. MARQUEZ</div><div>NO. C 17921</div><div>STATE OF CALIFORNIA</div></div><div><div>11/16/2020</div><div>11/16/2020</div></div></div>				APPROVED: 11/16/2020 FOR CITY ENGINEER DATE JASON GRANI C77208 DEPUTY CITY ENGINEER RCE# DESCRIPTION BY APPROVED DATE FILMED ORIGINAL RNT 11/16/20 207-1747 1847-6309 CCS27 COORDINATE CCS83 COORDINATE 41952-8 -D			

11/10/20 * 3:38 pm * 7259.04 CHOLLAS PAINT BOOTH REPLACEMENT.dwg

GENERAL

1.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOB SITE BEFORE STARTING WORK, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2.

ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3.

NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
4.

IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THESE STRUCTURAL DRAWINGS.
5.

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH LOCAL STANDARDS AND THE APPLICABLE PROVISIONS OF THE 2019 CALIFORNIA BUILDING CODE (CBC) AS AMENDED BY THE CITY OF SAN DIEGO.
6.

WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS. MEMBER SIZES ARE GENERALLY FOUND ON PLANS. DETAILS AND SECTIONS GENERALLY REFER TO GENERIC ELEMENTS.
7.

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE INDICATED. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE OR SHE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT CONSTITUTE INSPECTION OF THE ABOVE ITEMS.
8.

THE PROJECT SPECIFICATIONS FORM A PART OF THESE GENERAL NOTES.
9.

NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN THE STRUCTURAL MEMBERS.
10.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DETAILS FOR AVOIDING THE INTERFERENCE OF MATERIALS TO BE EMBEDDED IN CONCRETE INCLUDING BUT NOT LIMITED TO REINFORCING STEEL, PRESTRESSING STEEL AND HARDWARE, MISCELLANEOUS STEEL AND CONDUITS. THIS IS BEST ACCOMPLISHED THROUGH CAREFUL COORDINATION OF SHOP DRAWINGS.
11.

THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN THE WORK AREA AND SHALL REPAIR ANY DAMAGE CAUSED BY HIS OR HER OPERATIONS AT HIS OR HER OWN COST.
12.

ALL SPECIFICATION AND CODES NOTED SHALL BE THE LATEST APPROVED EDITIONS AND REVISIONS BY THE GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THIS PROJECT.
13.

SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:

SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES, ANCHOR BOLTS FOR MOUNTS.
14.

CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING AND EARTH WORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, UTILITIES, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

GENERAL (CONTINUED)

15.

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT WHEN PLACED ON FRAMED FLOORS OR ROOFS. THE CONSTRUCTION MATERIAL LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
16.

SHOP DRAWINGS SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW SHALL CONSIST OF ELECTRONIC DRAWING FORMAT OR 2 BLUELINE SETS MINIMUM.

DESIGN CRITERIA

1.

DEAD LOAD

ROOF

5 P.S.F.
2.

LIVE LOADS:

ROOF

20 P.S.F.
3.

WIND DESIGN DATA:

BASIC DESIGN WIND SPEED
V (3 SECOND GUST) = 96 M.P.H. (CBC 1609.3, FIGURES 1609.3 (1)
RISK CATEGORY = II (CBC TABLE 1604.5)
WIND IMPORTANCE FACTOR I_w = 1.00 (ASCE TABLE 1.5-2)
WIND EXPOSURE CATEGORY = C (CBC 1609.4)
WIND DIRECTIONALITY FACTOR K_d = 0.85 (ASCE TABLE 26.6-1)
TOPOGRAPHIC FACTOR K_{zt} = 1.0 (ASCE 26.8)
GUST EFFECT FACTOR G = 0.85 (ASCE 26.11)
4.

SEISMIC DESIGN DATA:

RISK CATEGORY = II (CBC TABLE 1604.5)
SEISMIC IMPORTANCE FACTOR I_e = 1.0 (ASCE 11.5.1)
SITE CLASS = D (ASCE 20.3)
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS (ASCE 11.4.2)
S_s = 0.983
S₁ = 9.343
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS (ASCE 11.4.5)
S_{ps} = 0.787
S_{p1} = NULL (SEE ASCE 11.4.8)
SITE COEFFICIENTS
F_a = 1.2 (ASCE 11.4.4)
F_v = NULL (SEE ASCE TABLE 11.4.8)
SEISMIC DESIGN CATEGORY D (ASCE 11.6)
- NONSTRUCTURAL COMPONENTS: (ASCE CH13)

MECHANICAL & ELECTRICAL COMPONENTS:
NAME OF COMPONENT
COEFFICIENTS: (ASCE TABLE 13.6-1)
α_p = 2.5
R_p = 6.0
α_b = 2.0
COMPONENT IMPORTANCE FACTOR I_p = 1.0 (ASCE 13.1.3)
5.

SOIL BEARING (CBC TABLE 1806.2) 1500 P.S.F. MAX ALLOWABLE.

CONCRETE

1.

ALL CONCRETE SHALL BE NORMAL WEIGHT, 150 P.C.F. USE 1-INCH NOMINAL AGGREGATE WITH WATER/CEMENT RATIO NOT TO EXCEED 0.50.
2.

CONCRETE STRENGTHS:

ITEM OF CONSTRUCTION

STRENGTH (P.S.I.)

SLUMP (INCHES) MAX

FOUNDATIONS

3,000

4

CONCRETE (CONTINUED)

3.

CONCRETE PROTECTION FOR REINFORCEMENT. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

MIN COVER (INCHES)

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3

B. CONCRETE EXPOSED TO EARTH OR WEATHER:
NO 6 THROUGH NO 18 BAR 2
NO 5 BAR AND SMALLER 1 1/2

C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
4.

ANCHOR BOLTS AND DOWELS: SECURELY HELD IN PLACE PRIOR TO PLACING CONCRETE.
5.

PIPES, DUCTS, VENTS AND SIMILAR OPENINGS ARE NOT PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
6.

CHAMFER: 3/4" ON ALL EXPOSED CORNERS.
7.

THE ENGINEER SHALL BE NOTIFIED 2 WORK DAYS IN ADVANCE OF ALL CONCRETE PLACEMENT.
8.

CEMENT SHALL BE ASTM C150 TYPE II OR TYPE V. USE TYPE V CEMENT AND CONCRETE COMPLYING WITH ACI 318 SECTION 19.3.2 WHEN CONCRETE IS EXPOSED TO SOILS CONTAINING SULFATES.
9.

CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS TO THE ARCHITECT FOR REVIEW PRIOR TO CASTING CONCRETE.
10.

CONCRETE MIXES MAY CONTAIN FLY ASH. THE FLY ASH SHALL CONFORM TO ASTM C618 CLASS F AND THE LOSS OF IGNITION SHALL BE LIMITED TO 2%. THE ADDITION RATE SHALL NOT EXCEED 15% OF THE CEMENT WEIGHT. THE CONTRACTOR SHALL SUBMIT ALL CERTIFICATES SHOWING THE FLY ASH CONFORMS TO THE ABOVE CRITERIA.
11.

AGGREGATE FOR HARD ROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
12.

HORIZONTAL CONSTRUCTION JOINTS IN FOUNDATIONS SHALL BE RAISED TO MINIMUM 1/4" AMPLITUDE. ALL LAITANCE SHALL BE REMOVED PRIOR TO CASTING OVER THE CONSTRUCTION JOINT AND CONCRETE SURFACES SHALL BE MOISTENED TO A SATURATED SURFACE DRY CONDITION.
13.

LOCATION OF ALL CONSTRUCTION CONTROL, WEAKENED PLANE JOINTS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO PLACING REBAR.

REINFORCING STEEL

1.

REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
2.

ALL BARS SHALL BE DEFORMED BARS U.O.N.
3.

VERTICAL REINFORCEMENT SHALL BE DOWELED TO THE SUPPORTING MEMBERS WITH THE SAME SIZE AND SPACING OF REINFORCEMENT AS CALLED FOR IN THE DRAWINGS OR STANDARD NOTES.
4.

WELDING OF REINFORCEMENT IS NOT PERMITTED.
5.

SPACER TIES: FURNISH #3 TIES AT 24" O.C. IN ALL BEAMS AND FOOTINGS, UNLESS OTHERWISE SHOWN IN DETAILS.

WOOD

1.

ALL WOOD MEMBERS SHALL BE DOUGLAS FIR/LARCH, CONFORMING TO DOC PS 20 USING CURRENT WMPA GRADING RULES, UNLESS OTHERWISE NOTED. EACH PIECE OF LUMBER SHALL BE GRADE MARKED AND SHALL NOT EXCEED A 19% MOISTURE CONTENT AT TIME OF PLACEMENT.

A. LIGHT FRAMING: STUDS, JOISTS AND RAFTERS

2" TO 4" THICK, 2" AND WIDER; NO. 2
2.

ALL PLYWOOD SHALL CONFORM TO DOC PS 1 OR PS 2 AND SHALL BE IDENTIFIED WITH APA GRADE MARK. SEE PLANS FOR THICKNESS AND GRADE.
3.

LAG SCREWS: PREDRILL WITH A BIT SIZE OF 40% TO 70% OF THE SHANK DIAMETER FOR THE THREADED PORTION. LEAD HOLES SHALL BE THE SAME LENGTH AS THE UNTHREADED SHANK AND THE SAME DIAMETER AS THE SHANK. LUBRICATE LAGS AND SCREW INTO PLACE. CUT WASHERS SHALL BE PROVIDED UNDER HEADS WHICH BEAR ON WOOD.
4.

NO CHECKS OR SPLITS ALLOWED AT AREAS TO BE BOLTED.
5.

ALL CONNECTORS SHALL BE BY SIMPSON STRONG-TIE COMPANY OR ICC EQUAL.
6.

NAILS SHALL BE COMMON WIRE UON. MIN PENETRATION SHALL BE 11 NAIL DIAMETERS. PREDRILL TO A DIAMETER NO GREATER THAN 3/4 OF NAIL DIAMETER TO PREVENT SPLITTING WHERE NECESSARY.
7.

MACHINE NAILING: SUBJECT TO A SATISFACTORY JOB SITE DEMONSTRATION FOR THIS PROJECT. THE USE OF MACHINE NAILING IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. IF NAIL HEADS PENETRATE THE OUTER PLY OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY AND MACHINE NAILING SHALL BE DISCONTINUED.

DRILLED IN ANCHORS AND BARS

1.

ALL ANCHORS SHALL BE ICC APPROVED.
2.

ALL ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S APPROVED RESEARCH REPORT. SUBSTITUTIONS ARE REQUIRED TO BE REVIEWED BY THE ENGINEER AND HAVE AN APPROPRIATE ICC-ES REPORT.
3.

DRILLED IN CONCRETE WEDGE ANCHORS SHALL BE:

HILTI KWIK BOLT T2

ESR-1917

SIMPSON STRONG-BOLT 2

ESR-3037
4.

DRILLED IN ADHESIVE ANCHORS FOR CONCRETE SHALL BE:

HILTI HIT-RE 500 V3

ESR-3814

SIMPSON SET-36

ESR-4057
5.

UNLESS OTHERWISE SHOWN, PROVIDE A MINIMUM OF 6xDIAMETER EDGE DISTANCES AND 12xDIAMETER SPACING OF ANCHORS.
6.

FOR EXTERIOR USE DRILLED IN ANCHORS AND THREADED ROD ASSEMBLIES SHALL BE STAINLESS STEEL.
7.

DRILLED IN ANCHORS SHALL NOT BE INSTALLED IN CONCRETE THAT HAS NOT REACHED THE SPECIFIED 28-DAY STRENGTH.

DRILLED IN ANCHORS AND BARS (CONTINUED)

8.

SPECIAL INSPECTION IN ACCORDANCE WITH TABLE 1705.3 OF THE CBC MUST BE PROVIDED FOR ALL ANCHOR INSTALLATIONS. THE SPECIAL INSPECTOR MUST BE ON THE JOBSITE DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE THICKNESS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE. THE SPECIAL INSPECTOR MUST VERIFY THE INSTALLATIONS OF EACH TYPE AND SIZE OF ADHESIVE ANCHOR BY CONSTRUCTION PERSONNEL ON SITE.

QUALITY CONTROL

1.

THE SPECIAL INSPECTOR MUST BE REGISTERED BY THE CITY OF SAN DIEGO, DEVELOPMENT SERVICES, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.
2.

THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE CITY OF SAN DIEGO, DEVELOPMENT SERVICES, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND EQUIPMENT.
3.

OFFSITE FABRICATOR MUST BE REGISTERED AND APPROVED BY THE CITY OF SAN DIEGO, DEVELOPMENT SERVICES, FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP.
4.

OFFSITE FABRICATOR SHALL SUBMIT AN "APPLICATION TO PERFORM OFF-SITE FABRICATION" TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO THE COMMENCEMENT OF FABRICATION.
5.

OFFSITE FABRICATOR SHALL SUBMIT A "CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION" TO THE INSPECTION SERVICES DIVISION PRIOR TO ERECTION OF FABRICATED ITEMS AND ASSEMBLIES.
6.

THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A CITY'S BUILDING INSPECTOR.
7.

FABRICATION OF MEMBERS AND ASSEMBLIES DONE IN FABRICATOR'S SHOP APPROVED BY INSPECTION SERVICES NEED NOT HAVE CONTINUOUS OR PERIODIC SPECIAL INSPECTION. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT THE "CERTIFICATE OF COMPLIANCE" FORM TO INSPECTION SERVICES.

S-1

AS-BUILT INFORMATION				PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement GENERAL NOTES					
MATERIALS		MANUFACTURER							
-		-							
-		-							
-		-							
-		-							
CONSULTANT			SPEC. NO. 1979						
<div><div><div>M</div><div>L</div></div><div>MARTIN & LIBBY STRUCTURAL ENGINEERS 4452 Glacier Avenue, San Diego, CA 92120 Ph (619) 280-9307 F (619) 284-3533 Job No 7259.04</div></div>			<div><div>SEAL</div><div>11/19/2020</div><div>CIVIL</div><div>STATE OF CALIFORNIA</div></div>		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 9 OF 24 SHEETS			WBS L-14082.5	
					APPROVED: <div><div>FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER</div></div> 11/16/2020 DATE C77208 RCE#			SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER CHECKED BY: PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE	FILMED	207-1747 CCS27 COORDINATE				
ORIGINAL	RNT	<div><div></div></div>	11/16/20		1847-6309 CCS83 COORDINATE				
					41952-9 -D				
CONTRACTOR			DATE STARTED						
INSPECTOR			DATE COMPLETED						

11/10/20 * 3:38 pm * 7259.04 CHOLLAS PAINT BOOTH REPLACEMENT.dwg

SPECIAL INSPECTIONS AND TESTS

1. THE SPECIAL INSPECTIONS AND TESTS LISTED ARE IN ADDITION TO THE CALLED INSPECTIONS AND TESTS REQUIRED BY CHAPTER 17 OF THE CBC, AS AMENDED. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY A CITY INSPECTOR.
2. CONTINUOUS INSPECTION IS ALWAYS REQUIRED DURING THE PERFORMANCE OF THE WORK UNLESS OTHERWISE SPECIFIED. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED IN ACCORDANCE WITH THE PROVISIONS OF CBC CHAPTER 17, IT IS THE AGENT'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT ALL THE WORK IS INSPECTED IN ACCORDANCE WITH THOSE PROVISIONS.
3. THE SPECIAL INSPECTORS MUST BE CERTIFIED BY THE CITY OF SAN DIEGO TO PERFORM THE TYPE OF INSPECTION SPECIFIED. EXCEPTIONS:

A. WHEN WAIVED BY THE BUILDING OFFICIAL.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
5. SPECIALLY INSPECTED WORK THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.
6. THE SPECIAL INSPECTOR SHALL SUBMIT IN WRITING A REPORT OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
7. THE INSPECTOR SHALL REPORT IN ADVANCE THEIR ASSIGNMENT TO THE CITY OF SAN DIEGO INSPECTION SERVICES DIVISION.
8. A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.
9. AN APPLICATION FOR OFF-SITE FABRICATION MUST BE SUBMITTED TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO FABRICATION.
10. A CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES DIVISION PRIOR TO ERECTION OF PREFABRICATED COMPONENTS.
11. SPECIAL INSPECTOR SHALL BE HIRED BY THE OWNER (CBC SECTION 1704).
12. IN ADDITION TO THE SUBMITTAL OF REPORTS OF SPECIAL INSPECTIONS AND TESTS IN ACCORDANCE WITH CBC SECTION 1704.2.4, REPORTS AND CERTIFICATES SHALL BE SUBMITTED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT TO THE BUILDING OFFICIAL FOR EACH OF THE FOLLOWING:

1. CERTIFICATES OF COMPLIANCE FOR THE SEISMIC QUALIFICATION OF NONSTRUCTURAL COMPONENTS, SUPPORTS AND ATTACHMENTS: CBC SECTION 1705.13.2.
13. REQUIRED VERIFICATION, TESTING, QUALIFICATION AND/OR SPECIAL INSPECTION OF ELEMENTS AND NONSTRUCTURAL COMPONENTS OF BUILDINGS AND STRUCTURES SHALL BE IN ACCORDANCE WITH FOLLOWING:

A. CONCRETE CONSTRUCTION: CBC SECTION 1705.3 AND TABLE 1705.3.

1. MATERIAL TESTS: CBC SECTION 1705.3.2 AND ACI 318 CH 19 & 20.

2. POST INSTALLED ANCHORS: TABLE 1705.3 INSPECTION 2.

A. DRILLED IN ANCHORS

B. ADHESIVE ANCHORS

B. WOOD CONSTRUCTION: CBC SECTION 1705.5 AND TABLES.

1. STRUCTURAL WOOD: 1705.11.1 AND 1705.12.2.

SPECIAL INSPECTIONS AND TESTS (CONTINUED)

14. CONTRACTOR OR CONSTRUCTION MANAGER SHALL PROVIDE A WRITTEN STATEMENT ACKNOWLEDGING SPECIAL INSPECTIONS, STATING QUALITY CONTROL PROCEDURES INCLUDING METHOD, FREQUENCY & DISTRIBUTION OF REPORTS. THE STATEMENT SHALL ALSO IDENTIFY INDIVIDUALS EXERCISING CONTROL INCLUDING QUALIFICATIONS AND POSITION IN ORGANIZATION. THIS SHALL BE SUBMITTED PRIOR TO THE START OF WORK.
15. ALL NDT PERFORMED SHALL BE DOCUMENTED PER SECTION N5.5G, AISC 360. FOR SHOP FABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE.
16. NOTICE TO THE APPLICANT/OWNER/OWNER'S AGENT/ARCHITECT OR ENGINEER OF RECORD: BY USING THESE PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF CITY OF SAN DIEGO FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
17. NOTICE TO THE CONTRACTOR/BUILDER/INSTALLER/ SUB-CONTRACTOR/OWNER-BUILDER: BY USING THESE PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF, THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF CITY OF SAN DIEGO FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.

SPECIAL INSPECTIONS AND TESTS (CONTINUED)

REQUIRED VERIFICATION, SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION (CBC TABLE 1705.3)				
VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCED STANDARD ^a	IBC REFERENCE
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	–	X	ACI 318 CH 20,25.2, 25.3, 26.6.1–26.6.3	1908.4
2. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS: <div>a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.</div> <div>b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.</div>	X		ACI 318: 17.8.2.4	–
		X	ACI 318: 17.8.2	
3. VERIFYING USE OF REQUIRED DESIGN MIX.	–	X	ACI 318: CH 19, 26.4.3, 26.4.4	1904.1 1904.2 1908.2 1908.3
4. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	–	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	1908.10
5. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	–	X	ACI 318: 26.5.3–26.5.5	1908.9
6. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	–	X	ACI 318: 26.11.1.2(b)	–
<div>a. WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.</div> <div>b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.</div>				

REQUIRED VERIFICATION AND INSPECTION OF WOOD CONSTRUCTION (CBC SECTION 1705.5)			
VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	IBC REFERENCE
1. INSPECT PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES IN ACCORDANCE WITH SECTION 1704.2.5.	–	–	1705.5
2. INSPECT SITE BUILT ASSEMBLIES.	–	–	

STRUCTURAL OBSERVATION

1. STRUCTURAL OBSERVATION SHALL BE PROVIDED BY THE ENGINEER FOR THE FOLLOWING ITEMS:

A. FOUNDATIONS.

B. WOOD FRAMING.
2. STRUCTURAL OBSERVATION IS REQUIRED IN ADDITION TO CITY AND SPECIAL INSPECTIONS.
3. STRUCTURAL OBSERVATION MEANS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM BY THE ENGINEER OF RECORD, FOR GENERAL CONFORMATION TO THE APPROVED PLANS AND SPECIFICATIONS, AT SIGNIFICANT CONSTRUCTION STAGES FOR THE ITEMS LISTED AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY CHAPTER 17 OR OTHER SECTIONS OF THE CBC.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST STRUCTURAL OBSERVATION BY THE ENGINEER. THE ENGINEER SHALL BE GIVEN A MINIMUM OF 2 WORK DAYS NOTICE BY THE CONTRACTOR PRIOR TO PERFORMING STRUCTURAL OBSERVATION.

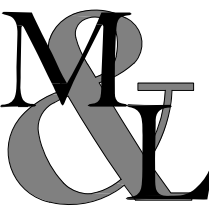

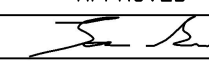
ABBREVIATIONS

&	AND	EA	EACH
@	AT	E.F.	EACH FACE
A.B.	ANCHOR BOLT	E.J.	EXPANSION JOINT
ABV	ABOVE	EL	ELEVATION
ADDL	ADDITIONAL	ELEC	ELECTRICAL
APPROX	APPROXIMATE	ELEV	ELEVATOR
ARCH	ARCHITECT(URAL)	EMBED	EMBED(ED)(MENT)
ART	ARTICLE	EQ	EQUAL
		EQUIP	EQUIPMENT
BLDG	BUILDING	E.W.	EACH WAY
BLK	BLOCK(ING)	EXIST (E)	EXISTING
BLKD	BLOCKED	EXT	EXTERIOR
BLW	BELOW		
BM	BEAM	FDN	FOUNDATION
BTM (B)	BOTTOM	F.F.	FINISHED FLOOR
BTWN	BETWEEN	F.O.	FACE OF
		FT	FOOT
		FTG	FOOTING
		F.V.	FIELD VERIFY
CBC	CALIFORNIA BUILDING CODE		
C =	CAMBER EQUALS		
C.F.	CUBIC FEET	GALV	GALVANIZE(D)
CH	CHAPTER	GRD	GRADE
C.J.	CONSTRUCTION JOINT	GYP	GYPSUM
C.L. (℄)	CENTER LINE	HD	HOLDOWN
CLG	CEILING	H.D.G.	HOT DIPPED
CLR	CLEAR(ANCE)		GALVANIZED
CNTR	CENTER(ED)	HGR	HANGER
CONC	CONCRETE	HORIZ (H)	HORIZONTAL
CONN	CONNECT(ION)(OR)	HT	HEIGHT
CONST	CONSTRUCT(ION)		
C.Y.	CUBIC YARD(S)	I.C.C.	INTERNATIONAL CODE COUNCIL
			INSIDE DIAMETER
DBL	DOUBLE	I.D.	INCH(ES)
DEPT	DEPARTMENT	IN	INTERIOR
DIA (ø)	DIAMETER	INT	
DIAG	DIAGONAL		
DWG	DRAWING	JST	JOIST
		JT	JOINT
		L	LONG (LENGTH)
		LB	POUND
		Ld	DEVELOPMENT LENGTH

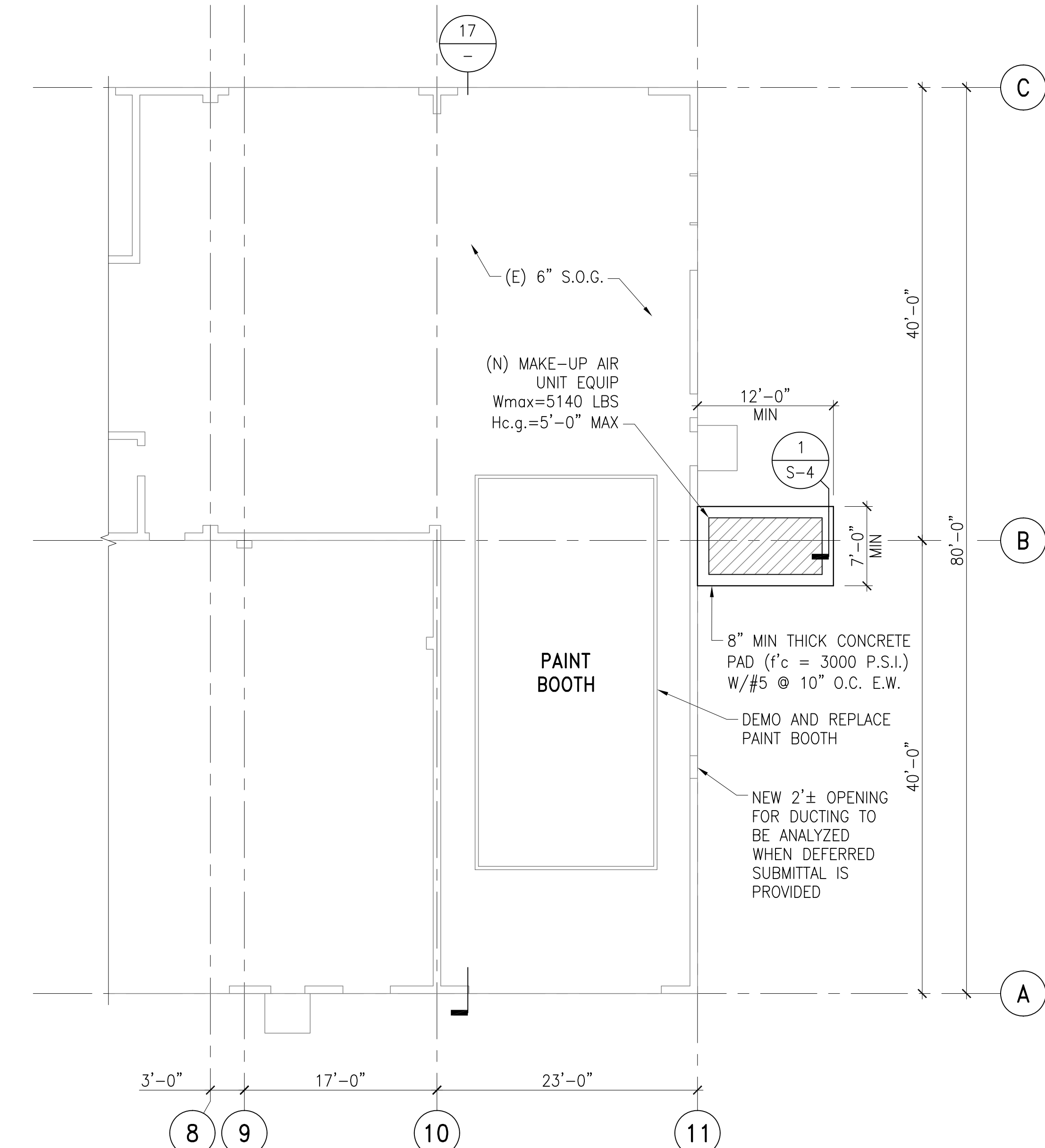
ABBREVIATIONS (CONTINUED)

MATL	MATERIAL	SCHED	SCHEDULE(D)
MAX	MAXIMUM	SECT	SECTION
M.B.	MACHINE BOLT	S.E.O.R.	STRUCTURAL ENGINEER OF RECORD
MECH	MECHANICAL		SHEATHING
MFR	MANUFACTURER	SHTG	SIMILAR
MIN	MINIMUM	SIM	SPACING
MISC	MISCELLANEOUS	SPCG	SPECIFICATION
M.P.H.	MILES PER HOUR	SQ	SQUARE
MTL	METAL	SPEC	STAINLESS STEEL
		SQ	STANDARD
(N)	NEW	S.S.	STAGGER(ED)
NLG	NAILING	STD	STRUCTURAL
NO (#)	NUMBER	STGR	SYMMETRICAL
N.T.S.	NOT TO SCALE	SYMM	
O.C.	ON CENTER		
O.D.	OUTSIDE DIAMETER	T (T)	TOP
O.H.	OPPOSITE HAND	T&B	TOP & BOTTOM
OPNG	OPENING	THK	THICK(NESS)
OPP	OPPOSITE	T.O.	TOP OF
		T.O.C.	TOP OF CONCRETE
PC	PIECE	TOT	TOTAL
P.C.F.	POUNDS PER CUBIC FOOT	TYP	TYPICAL
PLYWD	PLYWOOD		
P.L.F.	POUNDS PER LINEAR FOOT	ULT	ULTIMATE
		U.O.N.	UNLESS OTHERWISE NOTED
P.S.F.	POUNDS PER SQUARE FOOT		
P.S.I.	POUNDS PER SQUARE INCH	W	WIDTH (WIDE)
		W/	WITH
		WD	WOOD
		W/O	WITHOUT
		WT	WEIGHT
R	RADIUS		
REF	REFERENCE	YD	YARD
REQD	REQUIRED		
RF	ROOF		

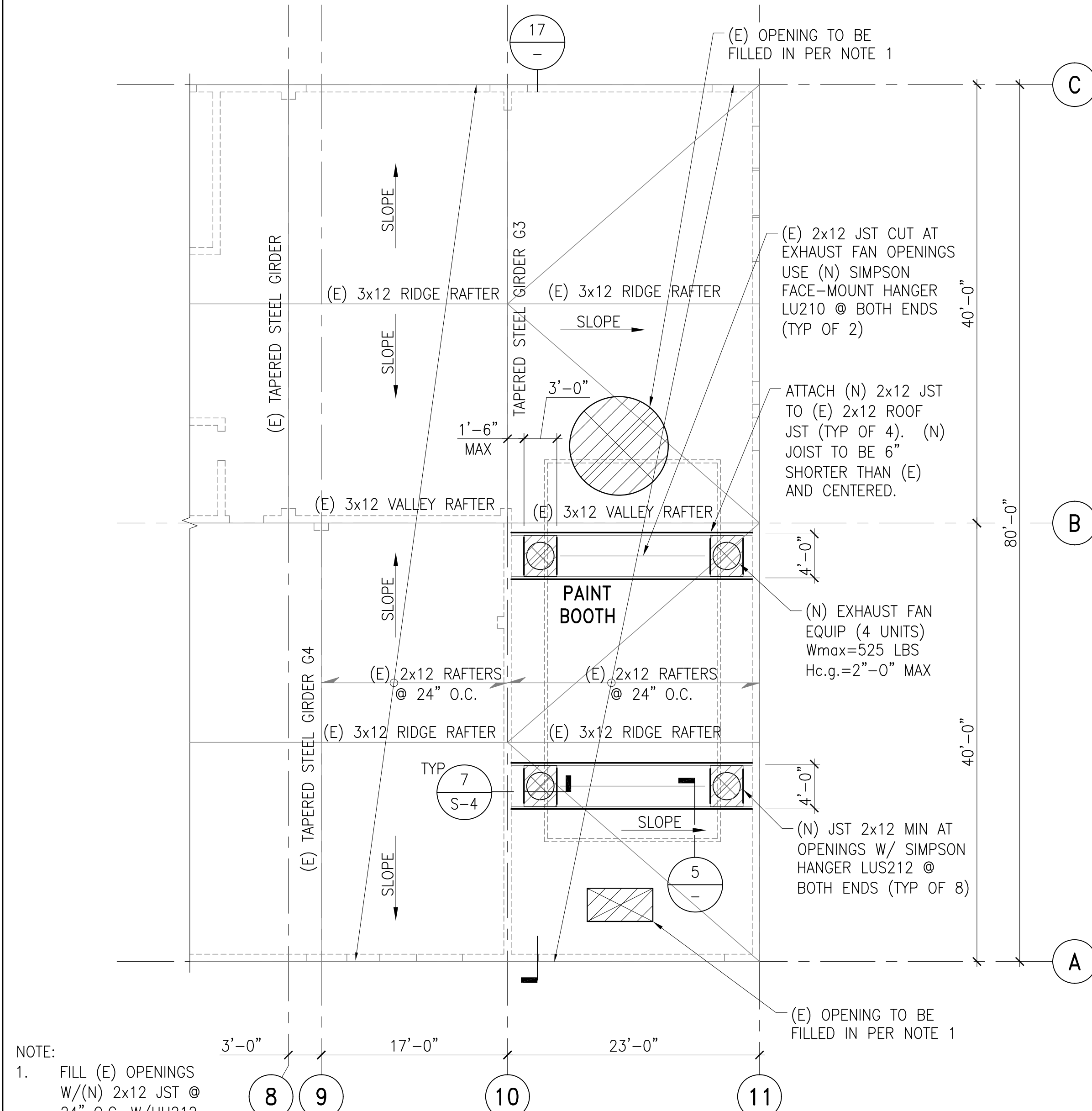
S-2

AS-BUILT INFORMATION				PLANS FOR THE CONSTRUCTION OF			
MATERIALS		MANUFACTURER		Chollas Paint Booth Replacement			
-		-		GENERAL NOTES			
-		-					
-		-					
-		-					
-		-					
CONSULTANT			SPEC. NO.	1979			
<div><div>MARTIN & LIBBY STRUCTURAL ENGINEERS 4452 Glacier Avenue, San Diego, CA 92120 Ph (619) 280-9307 F (619) 284-3533 Job No 7259.04</div></div>			<div></div>		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 10 OF 24 SHEETS		WBS L-14082.5
					SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER CHECKED BY: PROJECT ENGINEER		
DESCRIPTION		BY	APPROVED	DATE	FILMED	207-1747 CCS27 COORDINATE	
ORIGINAL		RNT		11/16/20		1847-6309 CCS83 COORDINATE	
						41952 10 D	
CONTRACTOR		DATE STARTED		DATE COMPLETED			
INSPECTOR							

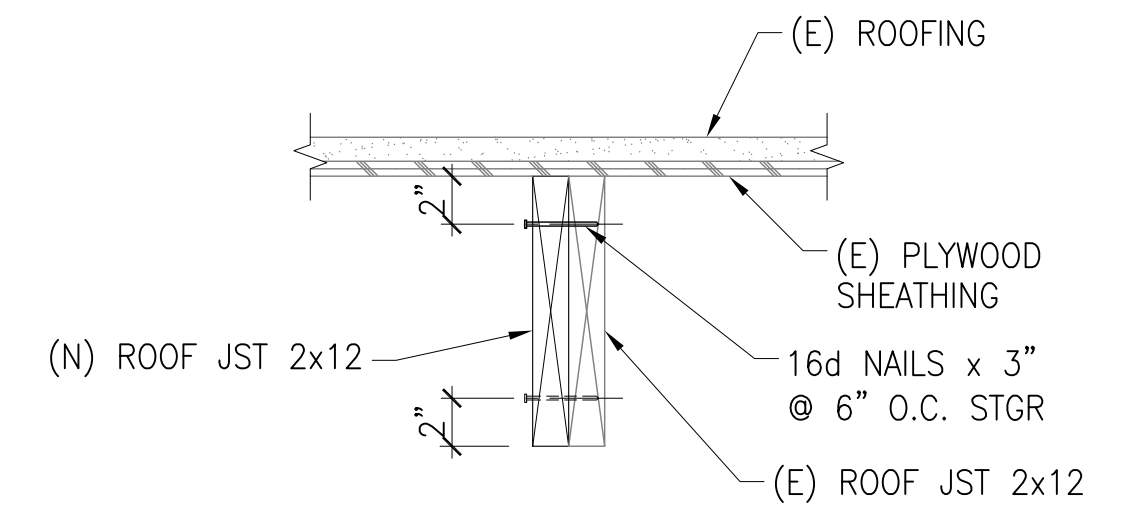
11/10/20 * 3:38 pm * 7259.04 CHOLLAS PAINT BOOTH REPLACEMENT.dwg



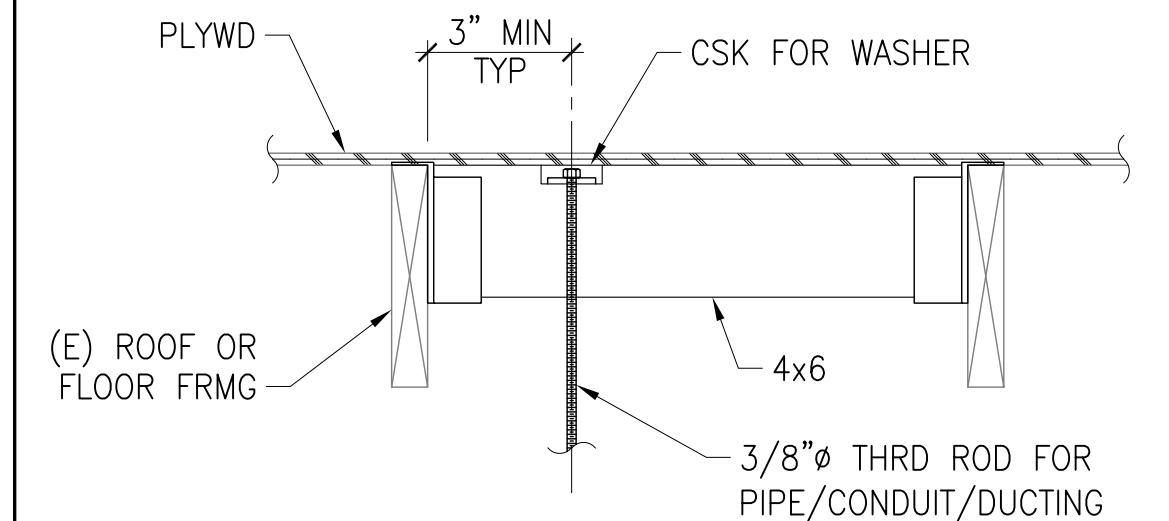
FLOOR PLAN
SCALE: 1/8" = 1'-0"



ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

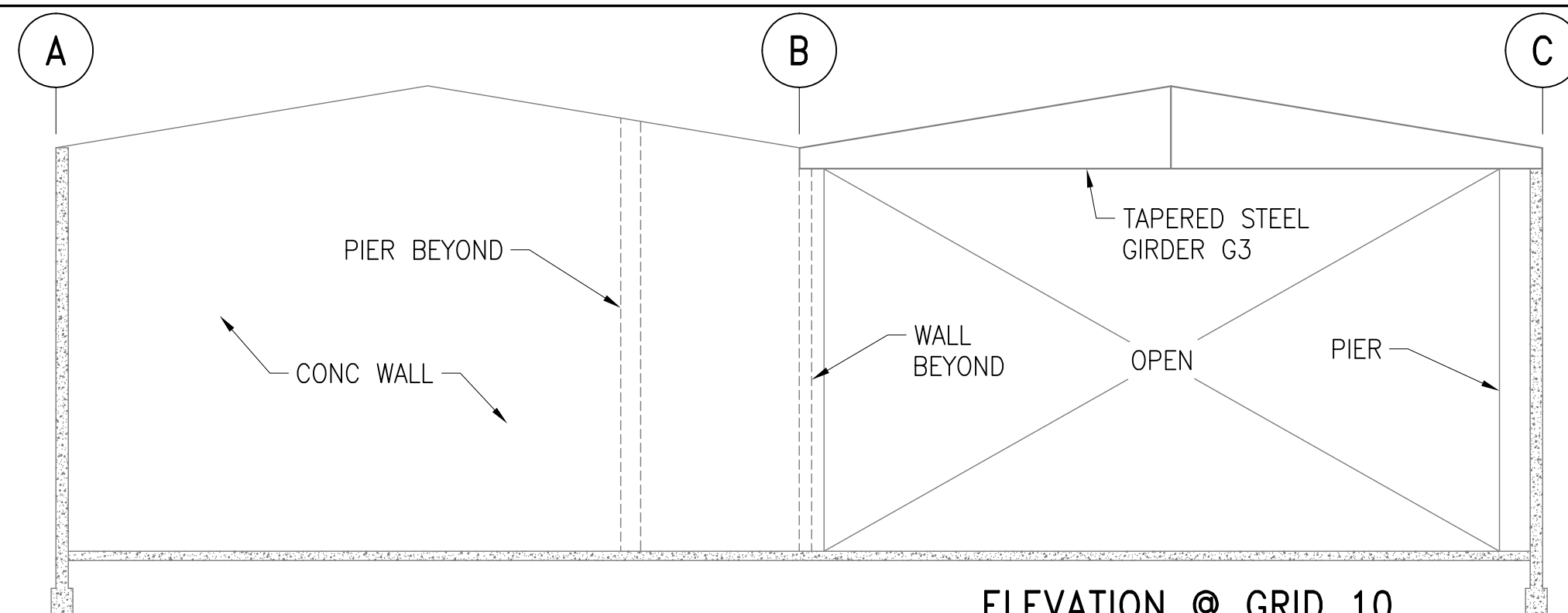


SCALE: 1 1/2" = 1'-0"



- NOTES: 1. HANGERS NOT PERMITTED IN MIDDLE THIRD OF JOIST SPAN.
2. PERMISSIBLE LOAD IS 150 LB TOTAL IN EACH OUTER THIRD OF SPAN (300 LB MAX PER JOIST).

SUSPENDED MECH EQUIP
SCALE: 1 1/2" = 1'-0"



ELEVATION @ GRID 10
SCALE: 1/8" = 1'-0"

CONSTRUCTION CHANGE / ADDENDUM

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

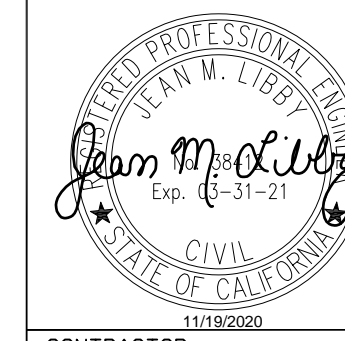
WARNING

0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



Engineering & Capital Projects

MARTIN & LIBBY
STRUCTURAL ENGINEERS
4452 Glacier Avenue, San Diego, CA 92120
Ph (619) 280-9307 F (619) 284-3533
Job No 7259.04

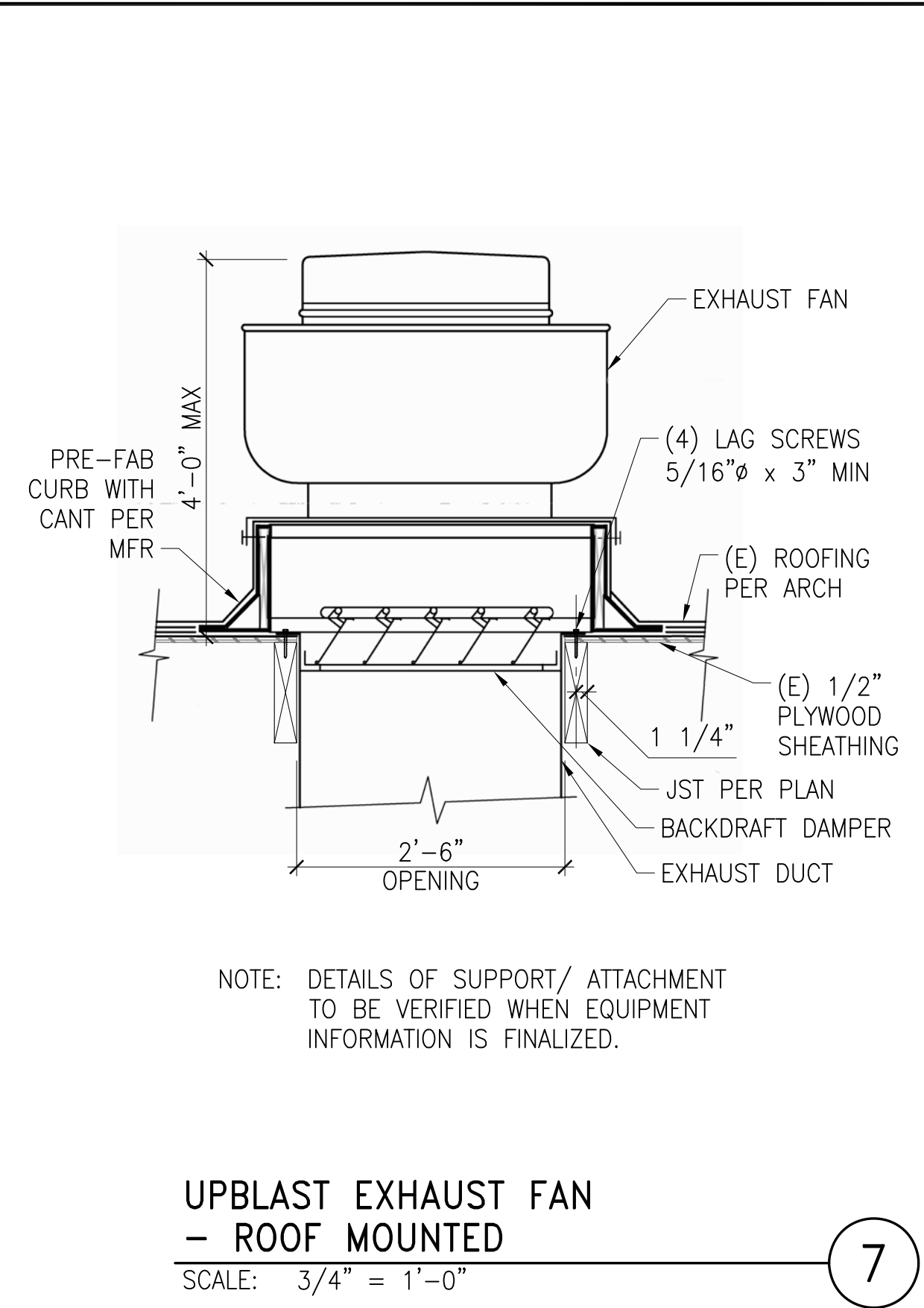
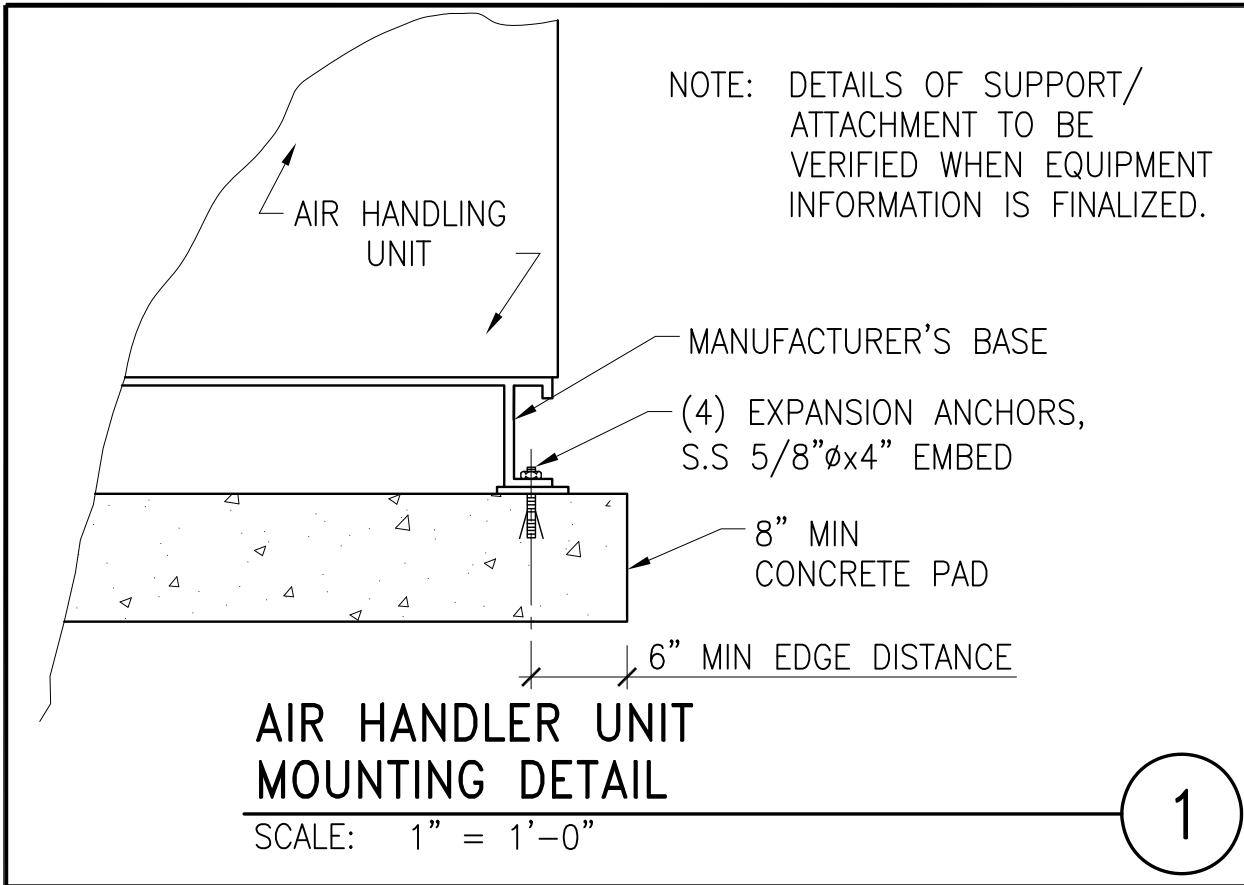


CONTRACTOR
INSPECTOR

PLANS FOR THE CONSTRUCTION OF
Chollas Paint Booth Replacement
PLANS AND ELEVATION

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 11 OF 24 SHEETS				WBS L-14002.5	
APPROVED: <i>[Signature]</i> FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER		DATE: 11/16/2020 C77208		SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER	
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	RNT	<i>[Signature]</i>	11/16/20		207-1747 CCS27 COORDINATE
					1847-6309 CCS83 COORDINATE
DATE STARTED:				41952 11 0	
DATE COMPLETED:					

11/23/20 * 4:07 pm * 7259.04 CHOLLAS PAINT BOOTH REPLACEMENT.dwg



S-4

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

The City of

SAN DIEGO

Engineering &
Capital Projects

AS-BUILT INFORMATION		PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement DETAILS			
MATERIALS	MANUFACTURER				
-	-				
-	-				
-	-				
CONSULTANT		SPEC. NO. 1979	CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 12 OF 23 SHEETS		
 MARTIN & LIBBY STRUCTURAL ENGINEERS 4452 Glacier Avenue, San Diego, CA 92120 Ph (619) 280-9307 F (619) 284-3533 Job No 7259.04		APPROVED: FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER		11/16/2020 DATE C77208	SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER
		DESCRIPTION	BY	APPROVED	CHECKED BY:
		ORIGINAL	RNT		207:1747 CCS27 COORDINATE
					1847-6309 CCS83 COORDINATE
					41952 12 0
CONTRACTOR INSPECTOR		DATE STARTED DATE COMPLETED			

MECHANICAL LEGEND					
SYMBOL	ABBREV.	DESCRIPTION	SYMBOL	ABBREV.	DESCRIPTION
	TV	INTERNAL LINING	AMB	AMBIENT	
		SQUARE ELBOW WITH TURNING VANES	ADIAP	ACCESS DOOR / ACCESS PANEL	
		RADIUS ELBOW WITH 3 SPLITTER VANES	AFF	ABOVE FINISHED FLOOR	
			BDD	BACK DRAFT DAMPER	
	MVD	MANUAL VOLUME DAMPER	BOD	BOTTOM OF DUCT	
	MOD	MOTOR OPERATED DAMPER	BOP	BOTTOM OF PIPE (ABOVE FIN. FLR.)	
	BDD	BACKDRAFT DAMPER	CD	CEILING DIFFUSER	
	FD	FIRE DAMPER	CLG.	CEILING	
	FLEX	FLEXIBLE CONNECTION OR SEISMIC JOINT	CFM	CUBIC FEET PER MINUTE	
		LINED DUCTWORK (OR PLENUM)	°F	DEGREES FAHRENHEIT	
		SA DUCT UP (RECTANGULAR)	DIA. Ø	DIAMETER	
		SA DUCT DOWN (RECTANGULAR)	DN.	DOWN	
		RA/OA DUCT UP (RECTANGULAR)	DWGS.	DRAWINGS	
		RA/OA DUCT DOWN (RECTANGULAR)	DB	DRY BULB	
		EA DUCT UP (RECTANGULAR)	DTR	DUCT THRU ROOF	
		EA DUCT DOWN (RECTANGULAR)	(E)	EXISTING	
		EA DUCT DOWN (RECTANGULAR)	EA	EXHAUST AIR	
		SA DUCT UP (ROUND)	ER	EXHAUST REGISTER	
		SA DUCT DOWN (ROUND)	EFF.	EFFICIENCY	
		RA/OA DUCT UP (ROUND)	ELEV.	ELEVATION	
		RA/OA DUCT DOWN (ROUND)	ENT.	ENTERING	
		EA DUCT UP (ROUND)	EXH.	EXHAUST	
		EA DUCT DOWN (ROUND)	EXIST.	EXISTING	
		RECTANGULAR DUCT TRANSITION (REDUCTION OR ENLARGEMENT)	FF	FINISHED FLOOR	
		ROUND DUCT TRANSITION (REDUCTION OR ENLARGEMENT)	FIN.	FINISH	
		RECTANGULAR TO ROUND TRANSITION	FLR.	FLOOR	
		RECTANGULAR DUCT 90° BRANCH (BEVELED TAP)	GPM	GALLONS PER MINUTE	
		RECTANGULAR DUCT WITH ROUND BRANCH (CONICAL TAP)	IN.	INCH	
		ROUND DUCT 90° BRANCH (ROUND DUCT TAKE OFF STANDARD)	HD.	HEAD	
	T*STAT	THERMOSTAT OR TEMPERATURE SENSOR (NUMBER INDICATES EQUIPMENT ZONE SERVED)	HOA	HAND-OFF-AUTOMATIC	
	CFM	CUBIC FEET PER MINUTE	HP	HORSEPOWER	
		SYMBOL, SEE EQUIPMENT SCHEDULE	LD	LINEAR DIFFUSER	
			LVG.	LEAVING	
			LWT	LEAVING WATER TEMPERATURE	
			MAX.	MAXIMUM	
			MBH	ONE THOUSAND B.T.U.'s PER HOUR	
			MECH.	MECHANICAL	
			MIN.	MINIMUM	
			MTD.	MOUNTED	
			MTG.	MOUNTING	
			MVD	MANUAL VOLUME DAMPER	
			NC	NORMALLY CLOSED	
			NG	NATURAL GAS	
			NO	NORMALLY OPEN	
			OBD	OPPOSED BLADE DAMPER	
			OA	OUTSIDE AIR	
			PD	PRESSURE DROP	
			PSIG	POUNDS PER SQUARE INCH GAUGE	
			RA	RETURN AIR	
			REG.	REGISTER	
			RR	RETURN REGISTER	
			SA	SUPPLY AIR	
			SF	SQUARE FEET	
			TYP.	TYPICAL	
			UNO	UNLESS NOTED OTHERWISE	
			UOS	UNLESS OTHERWISE SPECIFIED	
			UTR	UP THRU ROOF	
			VAV	VARIABLE AIR VOLUME	
			VFD	VARIABLE FREQUENCY DRIVE	
			VTR	VENT THRU ROOF	
			WG	WATER GAUGE	
			WB	WET BULB	
			W	WITH	

CA GREEN BUILDING NOTES	
1.	IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE OCCUPIED AREAS OF BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST MERV OF 13, SECTION 5.504.5.3 CGBSC 2019.
2.	PROVIDE TESTING AND ADJUSTING OF HVAC SYSTEMS AND CONTROLS PER 5.410.4.3.1 CGBSC 2019.
3.	COMMISSIONING IS REQUIRED FOR COMMERCIAL BUILDINGS 10,000 SF AND OVER PER SECTION 5.410.2 CGBSC 2019.
4.	THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING OR AREAS OF ADDITION OR ALTERATION WITHIN THE REQUIRED TEMPERATURE RANGE FOR MATERIAL AND EQUIPMENT INSTALLATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, RETURN AIR FILTERS WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1-1992 SHALL BE USED. ALL FILTERS SHALL BE REPLACED IMMEDIATELY PRIOR TO OCCUPANCY OR AT THE CONCLUSION OF CONSTRUCTION (5.504.1 CGBSC 2019).
5.	AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM (5.504.3 CGBSC 2019).
6.	IN MECHANICALLY VENTILATED BUILDINGS, REGULARLY OCCUPIED AREAS OF THE BUILDING SHALL BE PROVIDED WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13. MERV 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL (5.504.5.3 CGBSC 2019).
7.	WHERE OUTDOOR AREAS ARE PROVIDED FOR SMOKING, PROHIBIT SMOKING WITHIN THE BUILDING AS ALREADY PROHIBITED BY OTHER LAWS OR REGULATIONS; OR AS ENFORCED BY ORDINANCES, REGULATIONS, OR POLICIES OF ANY CITY, COUNTY, CITY AND COUNTY, CALIFORNIA COMMUNITY COLLEGE, CAMPUS OF THE CALIFORNIA STATE UNIVERSITY, OR CAMPUS OF THE UNIVERSITY OF CALIFORNIA, WHICHEVER ARE MORE STRINGENT. WHEN ORDINANCES, REGULATIONS, OR POLICIES ARE NOT IN PLACE, SIGNAGE SHALL BE POSTED TO INFORM BUILDING OCCUPANTS OF THE PROHIBITIONS.
8.	MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS SHALL MEET THE MINIMUM REQUIREMENTS OF SECTION 121 (REQUIREMENTS FOR VENTILATION) OF THE 2019 CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8, (CAL GREEN SECTION 5.506.1)
9.	FOR BUILDINGS OR ADDITIONS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF 2019 CALIFORNIA ENERGY CODE, SECTION 120.1(C)(4), (5.506.2 CGBSC 2019).
10.	BUILDING ASSEMBLIES AND COMPONENTS WITH STC VALUES DETERMINED IN ACCORDANCE WITH ASTM E90 AND ASTM E413 SHALL BE EMPLOYED.
11.	WALL AND ROOF CEILING ASSEMBLIES EXPOSED TO THE NOISE SOURCE MAKING UP THE BUILDING OR ADDITION ENVELOPE OR ALTERED ENVELOPE SHALL MEET A COMPOSITE STC RATING OF AT LEAST 50 OR A COMPOSITE OITC RATING OF NO LESS THAN 40, WITH EXTERIOR WINDOWS OF A MINIMUM STC OF 40 OR OITC OF 30 IF LOCATED WITHIN THE 65 CNEL NOISE INDUSTRIAL SOURCE OR FIXED-GUIDEWAY SOURCE AS DETERMINED BY THE NOISE ELEMENT OF THE GENERAL PLAN. (5.507.4.1 CGBSC) SEE EXCEPTIONS 1&2 ON SEC. 5.507.4.1.
12.	INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2 CGBSC 2019. HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CHLOROFLUOROCARBONS (CFCs) AND SHALL NOT CONTAIN HALONS (5.508.1 CGBSC 2019).
13.	IN ADDITION TO TESTING AND ADJUSTING, BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, BALANCE THE SYSTEM IN ACCORDANCE WITH THE PROCEDURES DEFINED BY THE TESTING ADJUSTING AND BALANCING BUREAU NATIONAL STANDARDS, THE NEBB PROCEDURAL STANDARDS; OR AABC NATIONAL STANDARDS.
14.	PROVIDE THE BUILDING OWNER OR REPRESENTATIVE WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTIES/WARRANTIES FOR EACH SYSTEM. O&M INSTRUCTIONS SHALL BE CONSISTENT WITH OSHA REQUIREMENTS IN CCR, TITLE 8, 5.410.4.5 CGBSC 2019, AND OTHER RELATED REGULATIONS.

PROJECT NOTES	
1.	CONTRACTOR SHALL COORDINATE ARCHITECTURAL REFLECTED CEILINGS PLANS WITH ALL DISCIPLINES TO VERIFY CLEARANCES BETWEEN HVAC DUCTS, HVAC PIPING, LIGHT FIXTURES, ELECTRICAL DATA CONDUITS, PLUMBING LINES, FIRE PROTECTION LINES, STRUCTURAL MEMBERS, ETC. SPECIAL ATTENTION IS REQUIRED ALONG THE LENGTH OF MAIN MECHANICAL SUPPLY AND RETURN AIR DUCTS WHERE THERE IS LIMITED CLEARANCE FOR PASSAGE OR ROUTING OF UTILITIES.
2.	THE SPACE FOR DUCT WORK & MECHANICAL EQUIPMENT FOR THIS PROJECT IS LIMITED. COORDINATION WITH OTHER TRADES IS CRITICAL. PROCEED WITH PREPARATION OF SHOP DRAWINGS IMMEDIATELY UPON RECEIVING AN AUTHORIZATION TO PROCEED FOR THE PROJECT. COMPLETE SHOP DRAWINGS PRIOR TO MATERIAL FABRICATION AND INSTALLATION.
3.	PROVIDE ORIGINALLY PREPARED CONTRACTOR'S SHOP DRAWINGS IN ELECTRONIC FORMAT. THE SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING: a. DUCT, PIPE AND PLUMBING ELEVATIONS. b. DOUBLE LINE DUCTWORK AND PIPING (6" AND LARGER). c. ACTUAL SIZE OF PURCHASED EQUIPMENT. PER APPROVED CONTRACTOR'S SHOP DRAWINGS. d. ACCESS PANELS INCLUDING CEILING PANELS. e. ACCESS CLEARANCES FOR EQUIPMENT. f. ACTUAL LOCATIONS OF CEILING DIFFUSERS, REGISTERS, AND RETURN REGISTERS. g. LOCATIONS OF STRUCTURAL MEMBERS SUCH AS BEAMS. h. ACTUAL LOCATIONS OF CONTROL PANELS AND POWER CONNECTIONS TO EQUIPMENT. i. COLOR CODED DUCT AND PIPING BASED ON MATERIAL USED. j. MINIMUM 1/4"x10" SCALE DRAWINGS. k. LABEL AND TAG SCHEDULE FOR EQUIPMENT. l. DUCT TRANSITIONS TO CLEAR BEAMS OR TIGHT AREAS. m. ROOM TEMPERATURE SENSOR LOCATIONS. n. POINT OF CONNECTION TO UTILITIES OUTSIDE THE BUILDING. o. SECTIONS OR 3-D DRAWINGS OF CONGESTED AREAS. p. GRID LINES. q. UNDERGROUND PIPING.
4.	DO NOT COMMENCE WITH ANY INSTALLATION, ORDERING OF ANY EQUIPMENT OR MATERIAL FABRICATION WITHOUT AN APPROVED SHOP DRAWING SUBMITTAL.
5.	FOR EACH SUBMITTAL, THE CONTRACTOR SHALL PROVIDE A LETTER (ON COMPANY LETTERHEAD) AND SIGNED BY THE PROJECT MANAGER INDICATING THE SUBMITTAL HAS BEEN FULLY IN HOUSE REVIEWED TO ENSURE FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND COORDINATION WITH OTHER TRADES. ANY EXCEPTIONS TO THE CONTRACT DOCUMENTS SHALL BE CLEARLY INDICATED ON THIS LETTER.

TITLE 24 NOTES	
1.	HVAC SYSTEMS SHALL MEET THE LATEST CONTROL REQUIREMENTS OF SECTIONS 110.2 & 120.2 TITLE 24 ENERGY STANDARDS 2019.
2.	DOORS AND WINDOWS SHALL MEET MINIMUM INFILTRATION REQUIREMENTS OF SECTION 110.6 AND 110.7 TITLE 24 ENERGY STANDARDS 2019.
3.	INSULATION AND FLEXIBLE DUCT SHALL COMPLY WITH STATE FIRE MARSHAL CRITERIA AND SHALL NOT EXCEED FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 450 PER ASTM-84, NFPA-225, AND U.L. 723.
4.	ALL WORK SHALL BE IN ACCORDANCE WITH CITY CODES, CALIFORNIA ENERGY CONSERVATION STANDARDS, TITLE - 24, AND ALL OTHER APPLICABLE CODES.
5.	ALL ENVELOPE AND MECHANICAL CERTIFICATE OF ACCEPTANCE FORMS AND ALL RELATED ACCEPTANCE DOCUMENTS SHALL BE SUBMITTED TO THE FIELD INSPECTOR DURING CONSTRUCTION. CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL THESE FORMS ARE REVIEWED AND APPROVED.
6.	ALL PIPING AND DUCT WORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTIONS 120.3, 120.4 AND 120.7 TITLE 24 ENERGY STANDARDS 2019 AND CHAPTER 6 OF CMC 2019.

GENERAL NOTES	
1.	THESE DRAWINGS ARE A GENERAL GRAPHIC PRESENTATION OF THE WORK. DUCTWORK, PIPING, AND EQUIPMENT, AS SHOWN, ARE SCHEMATIC. FABRICATE AND INSTALL BASED ON ACTUAL FIELD MEASUREMENT. COORDINATE WITH OTHER TRADES. PROVIDE A COMPLETE SET OF SHOP DRAWINGS REFLECTING ACTUAL INSTALL, ACCESS REQUIREMENTS, AND DETAILS BASED UPON THE ACTUAL EQUIPMENT PROCURED. MAINTAIN AN UP TO DATE SET OF AS-BUILT DRAWINGS AT THE JOB SITE.
2.	THESE DRAWINGS ARE TO BE CONSIDERED NOT FOR CONSTRUCTION UNTIL THEY ARE STAMPED, SIGNED, AND PERMITTED. UNTIL THEN THEY ARE SUBJECT TO CHANGE WITHOUT NOTICE.
3.	REVIEW ALL DRAWINGS AND SPECIFICATIONS INCLUDING ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY QUESTIONS SHALL BE BROUGHT UP, IN WRITING, TO THE ATTENTION OF THE ENGINEER BEFORE THE START OF CONSTRUCTION.
4.	PROVIDE ACCESS AND CLEARANCE FOR MAINTENANCE FOR MECHANICAL EQUIPMENT AND COMPONENTS AS RECOMMENDED BY EQUIPMENT MANUFACTURER AND APPLICABLE CODES.
5.	HANDLE, STORE AND INSTALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
6.	INSTALL VALVES WITH UNIONS OR FLANGES AT EACH PIECE OF EQUIPMENT ARRANGED TO ALLOW SERVICE MAINTENANCE, AND EQUIPMENT REMOVAL WITHOUT SYSTEM SHUT-DOWN.
7.	BRACE AND SUPPORT PIPES, CONDUIT, AND DUCTWORK IN ACCORDANCE WITH SMACNA GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL AND PLUMBING PIPING SYSTEM.
8.	REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS, REGISTERS, GRILLES, AND ACCESS PANELS.
9.	ALL DUCT DIMENSIONS, AS SHOWN ON MECHANICAL DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
10.	COMMISSION AND START-UP THE MECHANICAL SYSTEMS TO ASSURE A COMPLETE AND OPERATIONAL HVAC SYSTEM IN ACCORDANCE WITH ASHRAE AND NEBB.
11.	ALL SQUARE ELBOWS IN DUCTWORK SHALL HAVE DOUBLE THICKNESS TURNING VANES. ALL RADIUS ELBOWS IN DUCTWORK SHALL BE MINIMUM 1.5W (1.5xWIDTH) AND HAVE 3 SPLITTER VANES. PROVIDE MANUAL VOLUME DAMPER AT EACH BRANCH DUCT TAKE-OFF SERVING EACH AIR TERMINAL DEVICE. PROVIDE BALANCING DAMPERS FOR EACH MAIN DUCT TAKE-OFF IN ACCORDANCE WITH SMACNA IN ORDER TO ASSURE A COMPLETELY BALANCED SYSTEM.
12.	FIRE DAMPER ASSEMBLIES, INCLUDING LOCATION, SLEEVES, AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO PROCUREMENT AND INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIRE RATED WALLS AND SMOKE SEPARATIONS.
13.	COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTORS FOR ALL POWER REQUIREMENTS PRIOR TO BID.
14.	UPON INSTALLATION OF ALL EQUIPMENT, DEVICES, VIBRATION ISOLATION, ETC., PROVIDE WRITTEN CONFIRMATION BY EQUIPMENT MANUFACTURER'S REPRESENTATIVES TO ENSURE COMPLIANCE WITH MANUFACTURER'S REQUIREMENTS.
15.	PROVIDE DETAILS AND SEISMIC CALCULATIONS FOR ALL EQUIPMENT ON VIBRATION ISOLATION. ALL DETAILS SHALL BE STAMPED BY A STRUCTURE ENGINEER FROM VIBRATION ISOLATION MANUFACTURER.
16.	THE CONTRACTOR SHALL SELECT ALL CIRCUIT SETTERS/BALANCING VALVES FOR ACTUAL FLOW THROUGH THE PIPE AND THE PROPER PRESSURE DROP TO ENSURE PROPER OPERATION AND NOT BASED ON PIPE SIZES.

PLAN CHECK NOTES	
1.	ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS PER SECTION 110.1-110.3, 110.5, 120.1-120.4 TITLE 24 ENERGY STANDARDS 2019.
2.	PROVIDE SMOKE DETECTORS IN MAIN SUPPLY AIR DUCTS OF AIR MOVING SYSTEMS EXCEEDING 2000 CFM PER SECTION 608.0 CMC 2019.
3.	EXHAUST DUCTS SHALL BE EQUIPPED WITH BACK-DRAFT DAMPERS PER SEC. 504.0 CMC 2019.
4.	A WATERTIGHT PAN OF CORROSION RESISTANT MATERIAL SHALL BE PROVIDED BENEATH HVAC UNITS PER SECTION 310.2 CMC 2019.
5.	ROOF ACCESS LADDER SHALL COMPLY WITH SECTION 304 CMC 2019.
6.	HVAC DUCT INSULATION SHALL BE R-8 AT EXTERIOR INSTALLED DUCTWORK.
7.	FACTORY MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL NOT BE MORE THAN 5 FEET IN LENGTH PER SECTION 603.4.1 CMC 2019.

13

M-1

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING
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
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


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San Diego, California 92121
Consulting Mechanical Engineers
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AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
-	-
-	-
-	-
-	-
-	-
CONSULTANT	
SPEC. NO.	
CONTRACTOR INSPECTOR	

PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement	
MECHANICAL LEGEND AND NOTES	
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 13 OF 24 SHEETS	WBS L-14002.5
APPROVED: FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER	11/16/2020 DATE C77208 RCE#
DESCRIPTION BY APPROVED DATE FILMED	PROJECT ENGINEER
ORIGINAL RNT 11/16/20	207-1747 CCS27 COORDINATE
	1847-6309 CCS83 COORDINATE
DATE STARTED DATE COMPLETED	41952- 13 -D

MAKE-UP AIR UNIT SCHEDULE																	
SYMBOL	DESCRIPTION	AREA SERVED	ARRANGEMENT	CFM	ESP	HEAT SOURCE	BTU / HR (MBTU)	TEMP RISE (°F)	GAS PRESSURE	GAS TYPE	GAS INLET SIZE (IN)	ELECTRICAL				WEIGHT (LBS)	REMARKS
												MOTOR	HP	VOLT	PHASE		
	205-00585	PAINT BOOTH	SIDE	40,000	0.25	DIRECT FIRE	4.3	100	1 - 5 #	DUAL	2.0	TEFC	30	460	3	5140	VAV VFD REQUIRED

EXHAUST FAN SCHEDULE													
SYMBOL	DESCRIPTION	AREA SERVED	CFM	ESP	DRIVE	RPM	DIA	MOTOR				OPER WEIGHT (LBS)	REMARKS
								BHP	HP	VOLT	PHASE		
	FAN-30VP-050T3T	PAINT BOOTH	10,000	0.375	BELT	586	30	2.04	5	460	3	525	TEFC ENCLOSURE
	FAN-30VP-050T3T	PAINT BOOTH	10,000	0.375	BELT	586	30	2.04	5	460	3	525	TEFC ENCLOSURE
	FAN-30VP-050T3T	PAINT BOOTH	10,000	0.375	BELT	586	30	2.04	5	460	3	525	TEFC ENCLOSURE
	FAN-30VP-050T3T	PAINT BOOTH	10,000	0.375	BELT	586	30	2.04	5	460	3	525	TEFC ENCLOSURE

M-2

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.


WARNING

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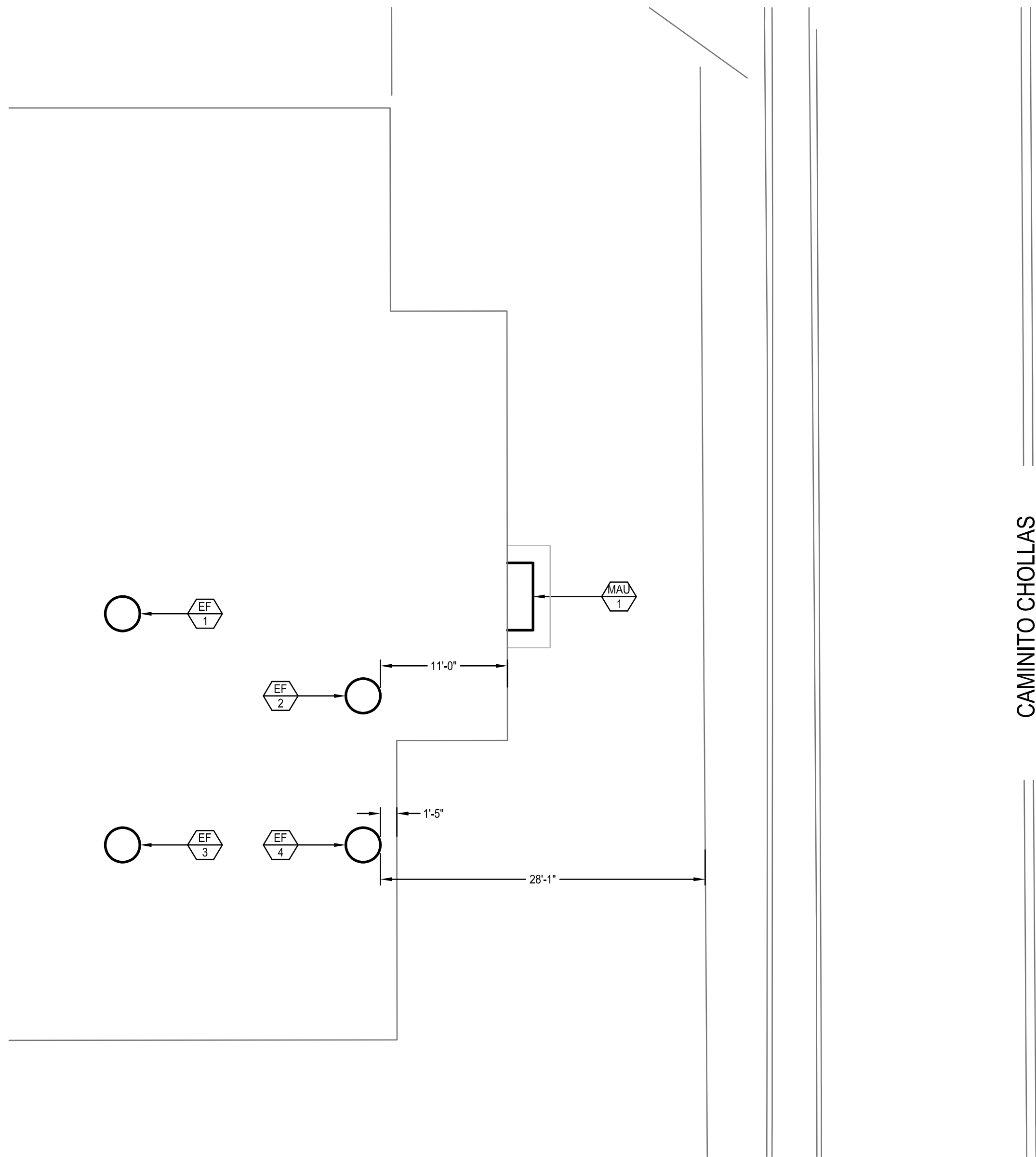
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The City of

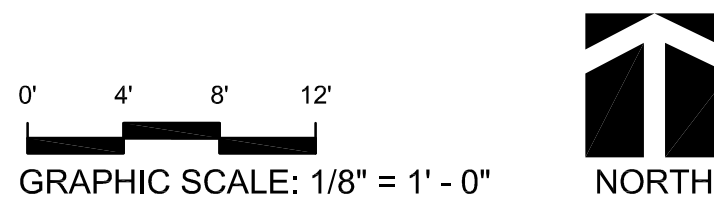
 SAN DIEGO

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AS-BUILT INFORMATION		<div>PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement</div> <div>MECHANICAL SCHEDULES</div>						
MATERIALS	MANUFACTURER							
-	-							
-	-							
-	-							
CONSULTANT		SPEC. NO.	CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 14 OF 24 SHEETS					
<div><div>5160 Carroll Canyon Rd, Suite 200 San Diego, California 92121 Consulting Mechanical Engineers © 858 200-0030 © 858 200-0037 www.ma-engr.com</div></div>		<div><div>6105</div></div>	APPROVED:  11/16/2020 FOR CITY ENGINEER JASON GRANI DATE C77208 DEPUTY CITY ENGINEER RCE#	WBS L-14002.5				
			DESCRIPTION	BY	APPROVED	DATE	FILMED	CHECKED BY:
			ORIGINAL	RNT		11/16/20		PROJECT ENGINEER
								207-1747 CCS27 COORDINATE
								1847-6309 CCS83 COORDINATE
CONTRACTOR INSPECTOR		DATE STARTED DATE COMPLETED		41952- 14 -D				



1 MECHANICAL ROOF PLAN
1/8" = 1'-0"

[illegible]

WARNING





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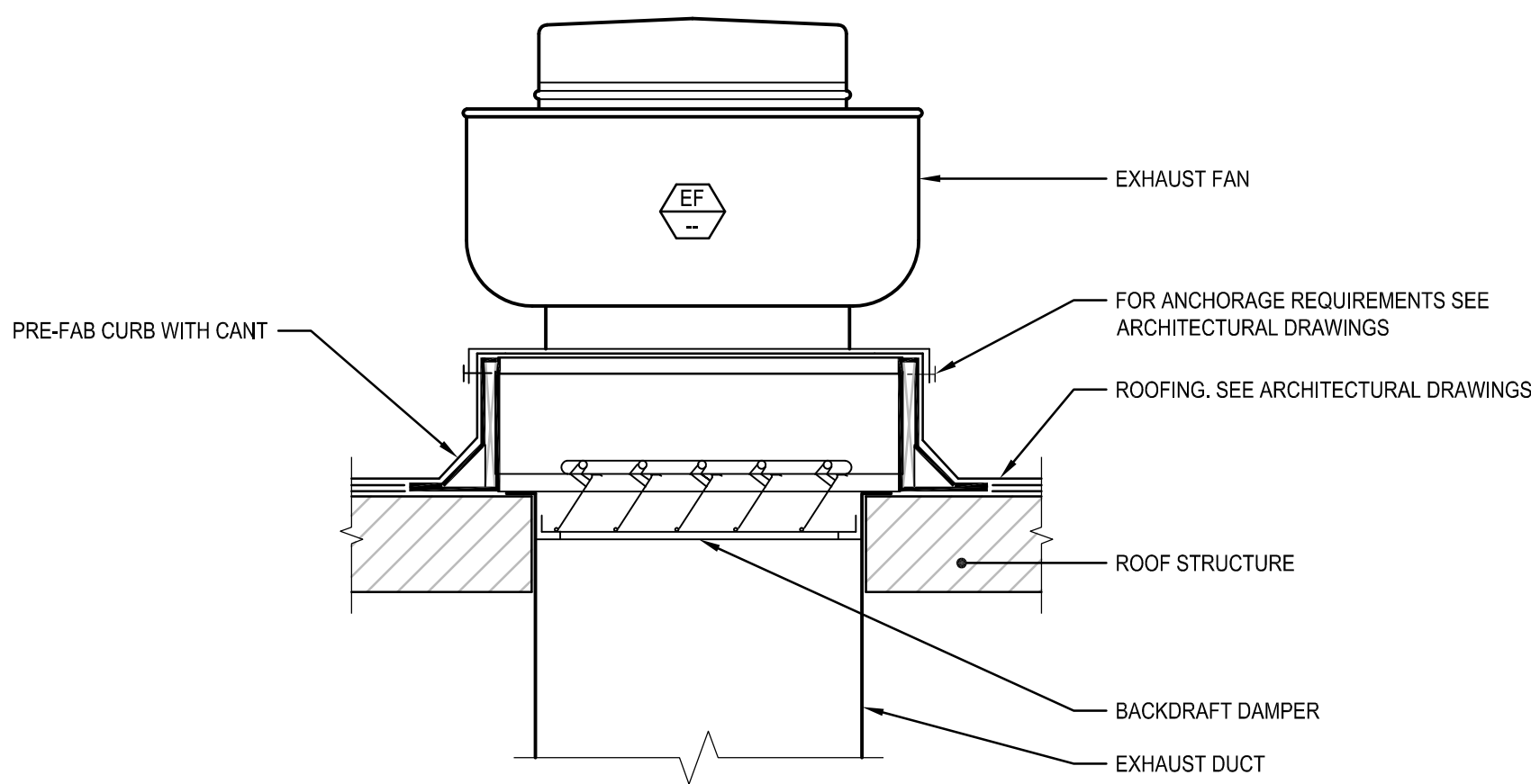
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AS—BUILT INFORMATION	
MATERIALS	MANUFACTURER
—	—
—	—
—	—
—	—

CONSULTANT	SPEC. NO.
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 <p>5160 Carroll Canyon Rd, Suite 200 San Diego, California 92121 Consulting Mechanical Engineers ☎ 858 200-0030 ☎ 858 200-0037 www.ma-engr.com</p>	 <p>11/18/2000</p> <p>6105</p>
CONTRACTOR	INSPECTOR

<h1 style="text-align: center;">PLANS FOR THE CONSTRUCTION OF</h1> <h2 style="text-align: center;">Chollas Paint Booth Replacement</h2>					
<h3>MECHANICAL NEW ROOF PLAN</h3>					
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 16 OF 24 SHEETS					WBS <u>L-14002.5</u>
APPROVED: 		DATE <u>11/16/2020</u>		SUBMITTED BY: FRANCIS S. MARQUEZ	
FOR CITY ENGINEER JASON GRANI		DATE <u>C77208</u>		PROJECT MANAGER	
DEPUTY CITY ENGINEER		RCE # _____		CHECKED BY:	
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	RNT		11/16/20		207:1747
					CCS27 COORDINATE
					1847-6309
					CCS83 COORDINATE
DATE STARTED					41952- 16 -D
DATE COMPLETED					



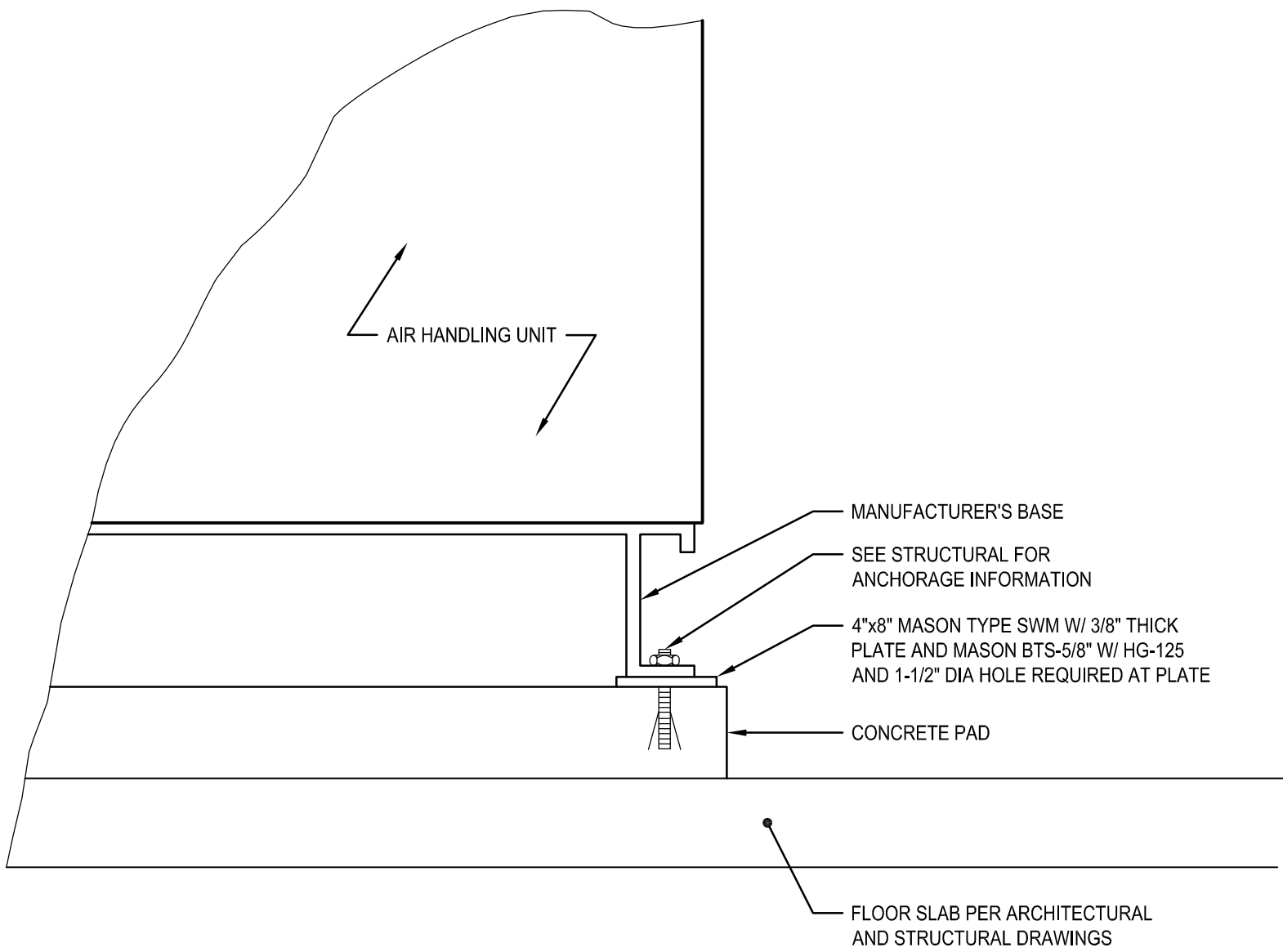
NOTE:

- 1. FAN & PRE-FAB CURB SHALL SIT LEVEL. PROVIDE LEVEL BASE IF ROOF IS PITCHED.

UPBLAST EXHAUST FAN - ROOF MOUNTED

NO SCALE

1
M-3



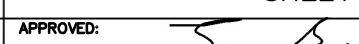



AIR HANDLER UNIT MOUNTING DETAIL

NO SCALE

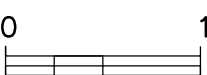
2
M-3

M-5

AS-BUILT INFORMATION				PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement						
MATERIALS		MANUFACTURER		MECHANICAL DETAILS						
-		-								
-		-								
-		-								
-		-								
CONSULTANT		SPEC. NO.		CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 17 OF 24 SHEETS		WBS L-14002.5				
<div><p>5160 Carroll Canyon Rd, Suite 200 San Diego, California 92121 Consulting Mechanical Engineers ☎ 858 200-0030 ☎ 858 200-0037 www.ma-engr.com</p></div>		<div></div>		APPROVED:  11/16/2020		SUBMITTED BY: FRANCIS S. MARQUEZ				
				FOR CITY ENGINEER JASON GRANI DATE C77208		PROJECT MANAGER				
				DEPUTY CITY ENGINEER RCE#		CHECKED BY:				
				DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER	
				ORIGINAL	RNT		11/16/20		207-1747 CCS27 COORDINATE	
									1847-6309 CCS83 COORDINATE	
CONTRACTOR INSPECTOR		DATE STARTED DATE COMPLETED		41952- 17 -D						


CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

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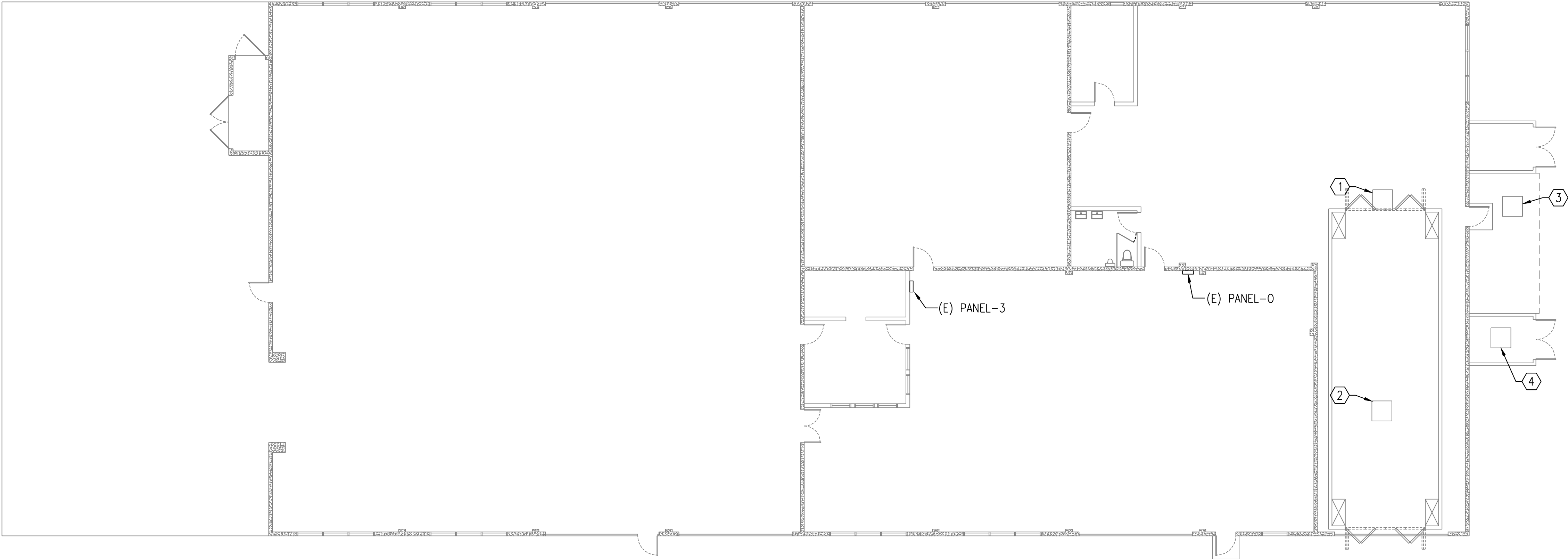
The City of



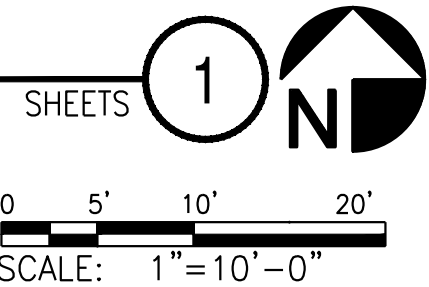
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KEY NOTES:

- 1
- DEMOLISH EXHAUST FAN DISCONNECT SWITCH ON ROOF. DEMOLISH CONDUIT AND CABLE BACK TO PANEL-3 (REFERRED TO AS PANEL AA IN AS-BUILTS, SHEET 11013-120-D).
- 2
- DEMOLISH CONDUIT AND CABLE FOR LIGHTING BACK TO PANEL-0 (REFERRED TO AS PANEL U IN AS-BUILTS, SHEET 11013-120-D).
- 3
- DEMOLISH DISCONNECT SWITCH. DEMOLISH CONDUIT AND CABLE FOR MAKE UP AIR UNIT TO TRANSFORMER.
- 4
- DEMOLISH TRANSFORMER. DEMOLISH CONDUIT AND CABLE FOR TRANSFORMER BACK TO PANEL-3 (REFERRED TO AS PANEL AA IN AS-BUILTS, SHEET 11013-120-D).





ELECTRICAL DEMOLITION PLAN
SCALE: NTS





E-2

AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
-	-
-	-
-	-
-	-

CONSULTANT	
SPEC. NO. 1979	
 <div>BSE ENGINEERING, INC. 10680 TREENA ST., SUITE 100 SAN DIEGO, CA 92131 TEL: 858.800.6000 FAX: 858.800.6001</div> <div>BSE PROJECT NO. 19-308-1035</div>	

	
CONTRACTOR INSPECTOR	

PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement	
ELECTRICAL DEMOLITION PLAN	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 19 OF 24 SHEETS	
WBS L-14002.5	
APPROVED:  FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER RCE# 11/16/2020 DATE C77208	
SUBMITTED BY: FRANCIS S. MAROUEZ PROJECT MANAGER CHECKED BY: PROJECT ENGINEER	
DESCRIPTION BY APPROVED DATE FILMED	
ORIGINAL	BSE  11/16/20
207-1747 CCS27 COORDINATE	
1847-6309 CCS83 COORDINATE	
DATE STARTED DATE COMPLETED	
41952-19-D	

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

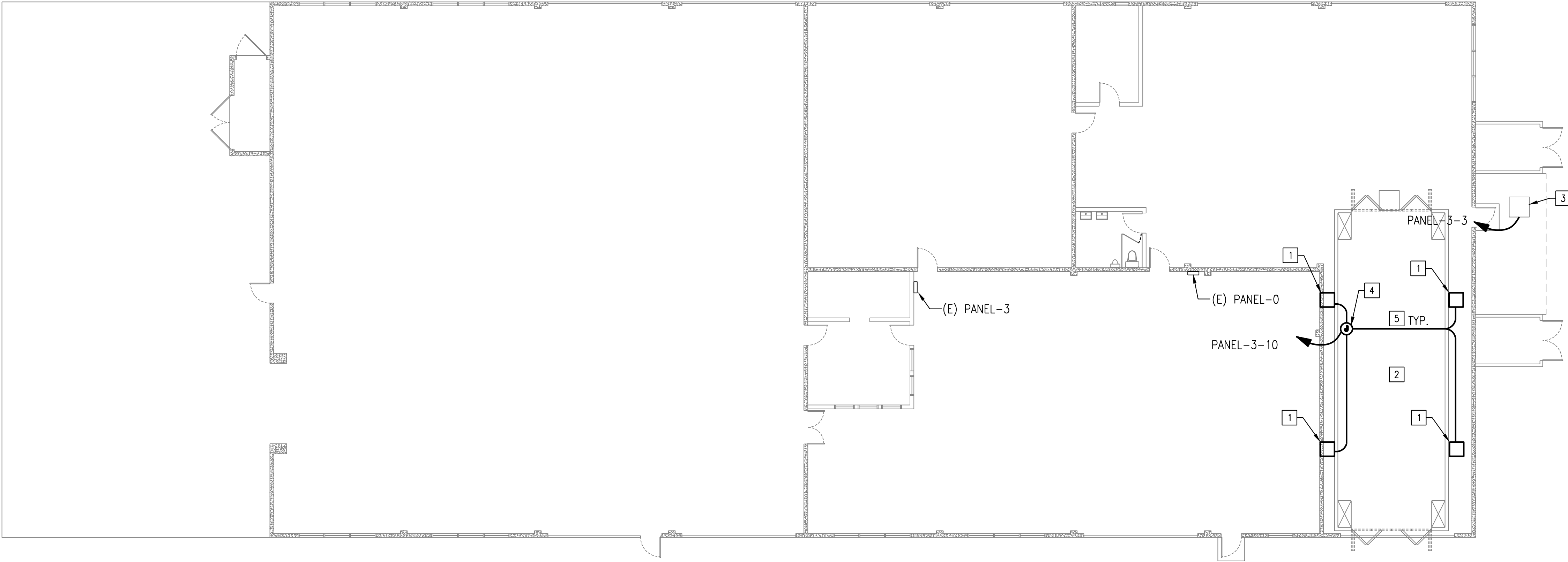
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- KEY NOTES:**
- 1 PROVIDE NEMA 4X, FUSED, 600V, 30A, HEAVY DUTY DISCONNECT SWITCH FOR EXHAUST FANS ON ROOF. FUSE PER MANUFACTURER'S INSTRUCTION. PROVIDE 3/4"C, 3#8 AWG, & #10G FROM JUNCTION ON ROOF. REFER TO KEY NOTE 4.
 - 2 PROVIDE 3/4"C, 2#12 AWG &12G TO LIGHTING IN PAINT BOOTH FROM PANEL-0, CIRCUIT 23.
 - 3 PROVIDE NEMA 3R, FUSED, 600V, 60A, HEAVY DUTY DISCONNECT SWITCH FOR MAU-1. FUSE PER MANUFACTURER'S INSTRUCTION. PROVIDE 1"C, 3#4 AWG & #10G FROM PANEL-3 CIRCUIT 3.
 - 4 PROVIDE JUNCTION BOX ON ROOF FOR EXHAUST FANS. PROVIDE 3/4"C, 3#8 AWG & #10G FROM PANEL PANEL-3 CIRCUIT 10. LOCATION OR EXHAUST FANS SHALL BE DETERMINED BY CONTRACTOR **THROUGH DEFERRED SUBMITTAL**.
 - 5 CONDUITS ENTERING OR LEAVING A HAZARDOUS AREA SHALL FOLLOWING CONDUIT SEAL INSTRUCTIONS PER NEC.

ELECTRICAL FLOOR PLAN - PAINT BOOTH
SCALE: NTS

SHEETS **1**

0 5' 10' 20'
SCALE: 1"=10'-0"

E-3

AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
-	-
-	-
-	-
-	-

CONSULTANT	
SPEC. NO. 1979	

BSE ENGINEERING, INC.
10680 TREENA ST., SUITE 100
SAN DIEGO, CA 92131
TEL: 858.800.6000
FAX: 858.800.6001

BSE PROJECT NO. 19-308-1035

11/16/2020

CONTRACTOR _____
INSPECTOR _____

PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement					
ELECTRICAL FLOOR PLAN - PAINT BOOTH					
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 20 OF 24 SHEETS				WBS L-14002.5	
APPROVED: FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER		11/16/2020 DATE C77208 RCE*		SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER CHECKED BY: PROJECT ENGINEER	
DESCRIPTION	BY	APPROVED	DATE	FILMED	
ORIGINAL	BSE		11/16/20		
CONTRACTOR _____			DATE STARTED _____		
INSPECTOR _____			DATE COMPLETED _____		
				1847-6309 CCS83 COORDINATE	
				41952-20-0	

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

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KEY NOTES:

- 1
- DEMOLISH CONDUIT AND CABLE. CIRCUIT BREAKER TO REMAIN.

2

3

4

5

												EXISTING		5	
PANEL: 3			Volt: 480 / 480 3Ph,4W				Bus: 225 A,		10 KAIC Feed:		Top Bottom				
LOCATION: GARAGE			Mount: SURF				Main: 225 A,		10 KAIC Source:		SOURCE MSB #5				
Ckt. Bkr.			LOAD									Ckr. Bkr.			
#	A	P	Description/Location	T	VA	Ø	VA	T	Description/Location	P	A	#			
1	30	3	DRILL SHARP (2 HP)	N	1905	A	915	N	TURN MACHINE (2 HP)	3	15	2			
-	30	-	DRILL SHARP (2 HP)	N	1905	B	915	N	TURN MACHINE (2 HP)	-	15	-			
-	30	-	DRILL SHARP (2 HP)	N	1905	C	915	N	TURN MACHINE (2 HP)	-	15	-			
3	60	3	MAU-1	N	9200	A	1905	N	SHARPER	3	20	4			
-	60	-	MAU-1	N	9200	B	1905	N	SHARPER	-	20	-			
-	60	-	MAU-1	N	9200	C	1905	N	SHARPER	-	20	-			
5	20	3	BREAK DRUM LATHE	N	1200	A	2790	N	LATHE	3	30	6			
-	20	-	BREAK DRUM LATHE	N	1200	B	2790	N	LATHE	-	30	-			
-	20	-	BREAK DRUM LATHE	N	1200	C	2790	N	LATHE	-	30	-			
7	15	3	AXEKSON LATHE	N	1140	A	1140	N	POLAMCO LATHE	3	15	8			
-	15	-	AXEKSON LATHE	N	1140	B	1140	N	POLAMCO LATHE	-	15	-			
-	15	-	AXEKSON LATHE	N	1140	C	1140	N	POLAMCO LATHE	-	15	-			
9	30	3	RECEPTICAL WELDER	N	1000	A	1600	N	PAINT BOOTH EXHAUST	3	30	10			
-	30	-	RECEPTICAL WELDER	N	1000	B	1600	N	PAINT BOOTH EXHAUST	-	30	-			
-	30	-	RECEPTICAL WELDER	N	1000	C	1600	N	PAINT BOOTH EXHAUST	-	30	-			
11	30	3	MILLING MACHINE	N	1200	A	1905	N	RADIAL DRILL	3	30	12			
-	30	-	MILLING MACHINE	N	1200	B	1905	N	RADIAL DRILL	-	30	-			
-	30	-	MILLING MACHINE	N	1200	C	1905	N	RADIAL DRILL	-	30	-			
LOAD				Phase A		Phase B		Phase C		PANEL TOTAL					
Connected:				KVA A		KVA A		KVA A		KVA		A			
Non-Continuous: Type N				25.90 53.96		25.90 53.96		25.90 53.96		77.70		161.88			
Long-Continuous Type L				0.00 0.00		0.00 0.00		0.00 0.00		0.00		0.00			
Demandable Recept. Type R				0.00 0.00		0.00 0.00		0.00 0.00		0.00		0.00			
Kitchen Type K				0.00 0.00		0.00 0.00		0.00 0.00		0.00		0.00			
TOTAL CONNECTED				25.90 53.96		25.90 53.96		25.90 53.96		77.70		161.88			
Demand:															
Long-Continuous Type L				0.00 0.00		0.00 0.00		0.00 0.00		0.00		0.00			
Demand Recept. Type R				0.00 0.00		0.00 0.00		0.00 0.00		0.00		0.00			
Kitchen Type K				0.00 0.00		0.00 0.00		0.00 0.00		0.00		0.00			
TOTAL DEMAND				25.90 53.96		25.90 53.96		25.90 53.96		77.70		161.88			

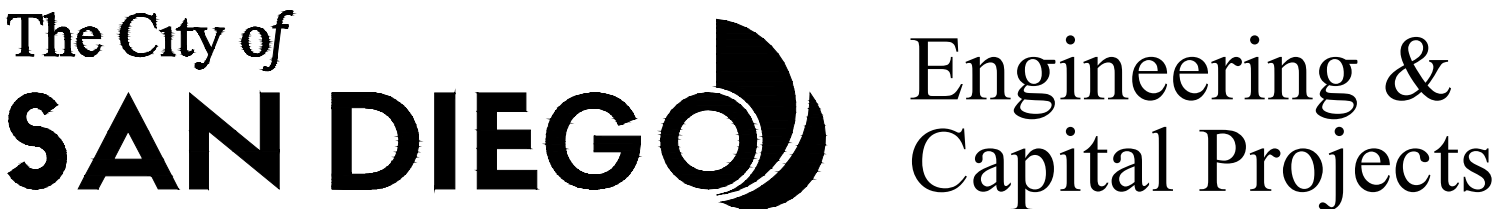
												EXISTING		5		
PANEL: 0			Volt: 120 / 208				3Ph,4W		Bus: 225 A,		10 KAIC		Feed: Top		Bottom	
LOCATION: GARAGE			Mount: SURF						Main: 225 A,		10 KAIC		Source: SOURCE MSB #5			
Ckt. Bkr.			LOAD										Ckr. Bkr.			
#	A	P	Description/Location	T	VA	Ø	VA	T	Description/Location	P	A	#				
1	20	1	4 LIGHTS	L	1310	A	1160	L	4 LIGHTS	1	20	2				
3	20	1	4 LIGHTS	L	1160	B	1160	L	4 LIGHTS	1	20	4				
5	20	1	4 LIGHTS	L	1160	C	600	L	4 LIGHTS	1	20	6				
7	20	1	8 LIGHTS	L	1760	A	1740	L	SITE LIGHTING	1	20	8				
9	20	1	6 LIGHTS	L	1740	B	1160	L	SITE LIGHTING	1	20	10				
11	20	1	2 LIGHTS, 1 NIGHT LIGHT	L	450	C	1160	L	SITE LIGHTING	1	20	12				
13	20	1	1 LIGHT, EXH FAN	L	390	A	380	L	4 LIGHTS	1	20	14				
15	20	1	8 LIGHTS	L	1620	B	580	L	2 LIGHTS	1	20	16				
17	20	1	EXH FAN (1/2 HP)	N	665	C	500	N	UNIT HEATER	1	20	18				
19	20	1	SPARE	L	0	A	1400	L	SPARE	1	20	20				
21	20	1	SPARE	L	0	B	900	N	3 C/O & D.F.	1	20	22				
23	20	1	PAINT BOOTH LIGHTS	L	1400	C	600	N	BREAKING PUMP	1	20	24				
25	20	1	BATHROOM PLUG C/O	N	800	A	650	N	1/2 TON EAST CRANE	1	20	26				
27	20	1	3 C/O	N	950	B	900	N	3 C/O	1	20	28				
29	20	1	BAND SAW	N	600	C	1000	N	BAND SAW	2	20	30				
31	20	1	BANDSAW	N	665	A	1000	N	BAND SAW	-	20	32				
33	20	1	EXH FAN (1/2 HP)	N	665	B	1000	N	SANDER	2	20	34				
35	20	1	DOOR OPENER EAST	N	1000	C	1000	N	SANDER	-	20	36				
37	15	2	ROOF EXH. FAN (1/2 HP)	N	750	A	750	N	ROOF EXH (1/2 HP)	2	15	38				
LOAD				Phase A		Phase B		Phase C		PANEL TOTAL						
Connected:				KVA A		KVA A		KVA A		KVA A						
Non-Continuous: Type N				4.62 38.46		4.42 36.79		5.37 44.71		14.40 69.21						
Long-Continuous Type L				8.14 67.83		7.42 61.83		4.77 39.75		20.33 97.74						
Demandable Recept. Type R				0.00 0.00		0.00 0.00		0.00 0.00		0.00 0.00						
Kitchen Type K				0.00 0.00		0.00 0.00		0.00 0.00		0.00 0.00						
TOTAL CONNECTED				12.76 106.29		11.84 98.63		10.14 84.46		34.73 166.95						
Demand:																
Long-Continuous Type L				10.18 84.79		9.28 77.29		5.96 49.69		25.41 122.18						
Demand Recept. Type R				0.00 0.00		0.00 0.00		0.00 0.00		0.00 0.00						
Kitchen Type K				0.00 0.00		0.00 0.00		0.00 0.00		0.00 0.00						
TOTAL DEMAND				14.79 123.25		13.69 114.08		11.33 94.40		39.81 191.38						

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



AS-BUILT INFORMATION

MATERIALS	MANUFACTURER
-	-
-	-
-	-
-	-

CONSULTANT

BSE ENGINEERING, INC.
10680 TREENA ST., SUITE 100
SAN DIEGO, CA 92131
TEL.: 858.800.6000
FAX: 858.800.6001

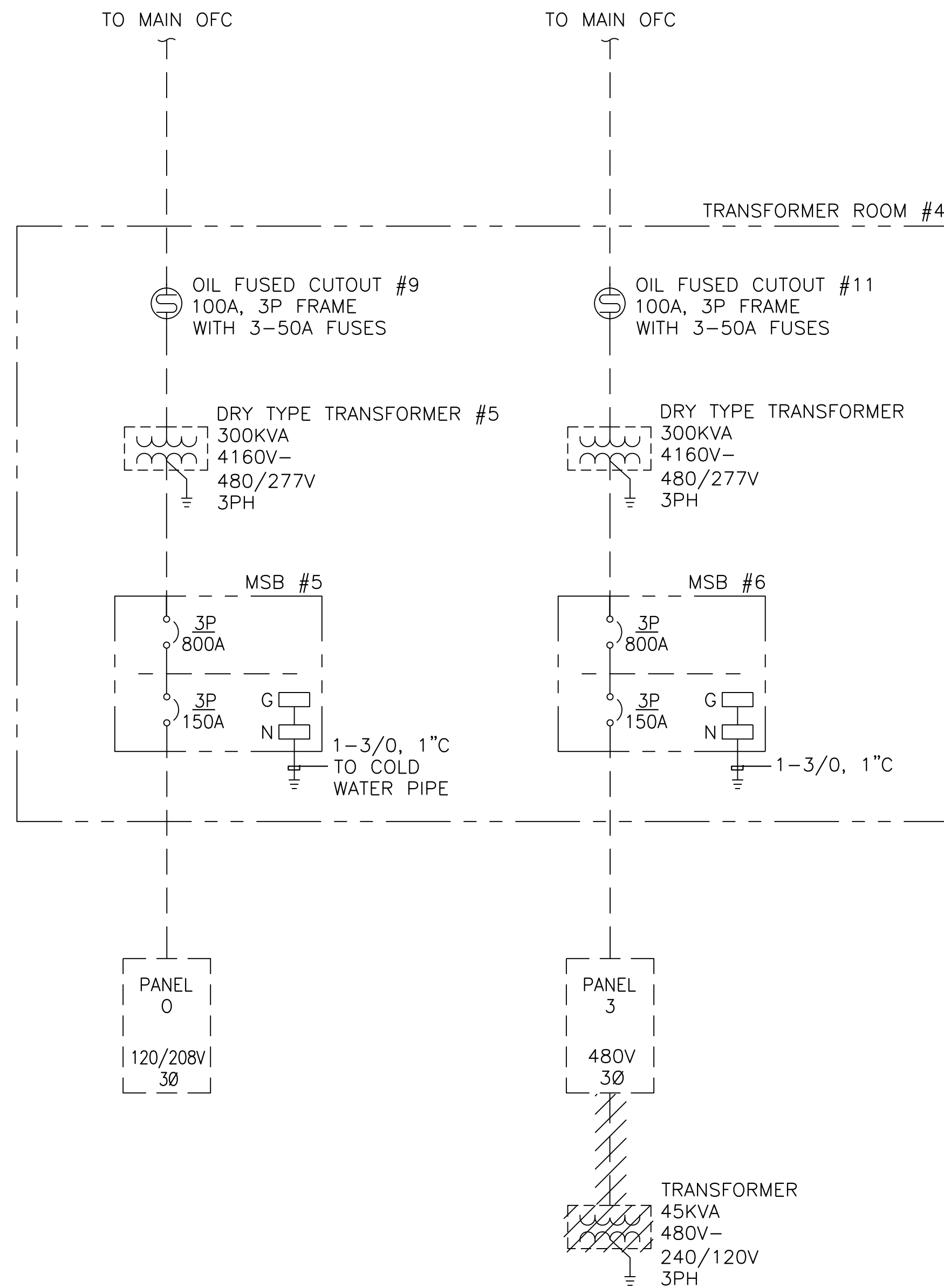
CONTRACTOR INSPECTOR

DATE STARTED
DATE COMPLETED

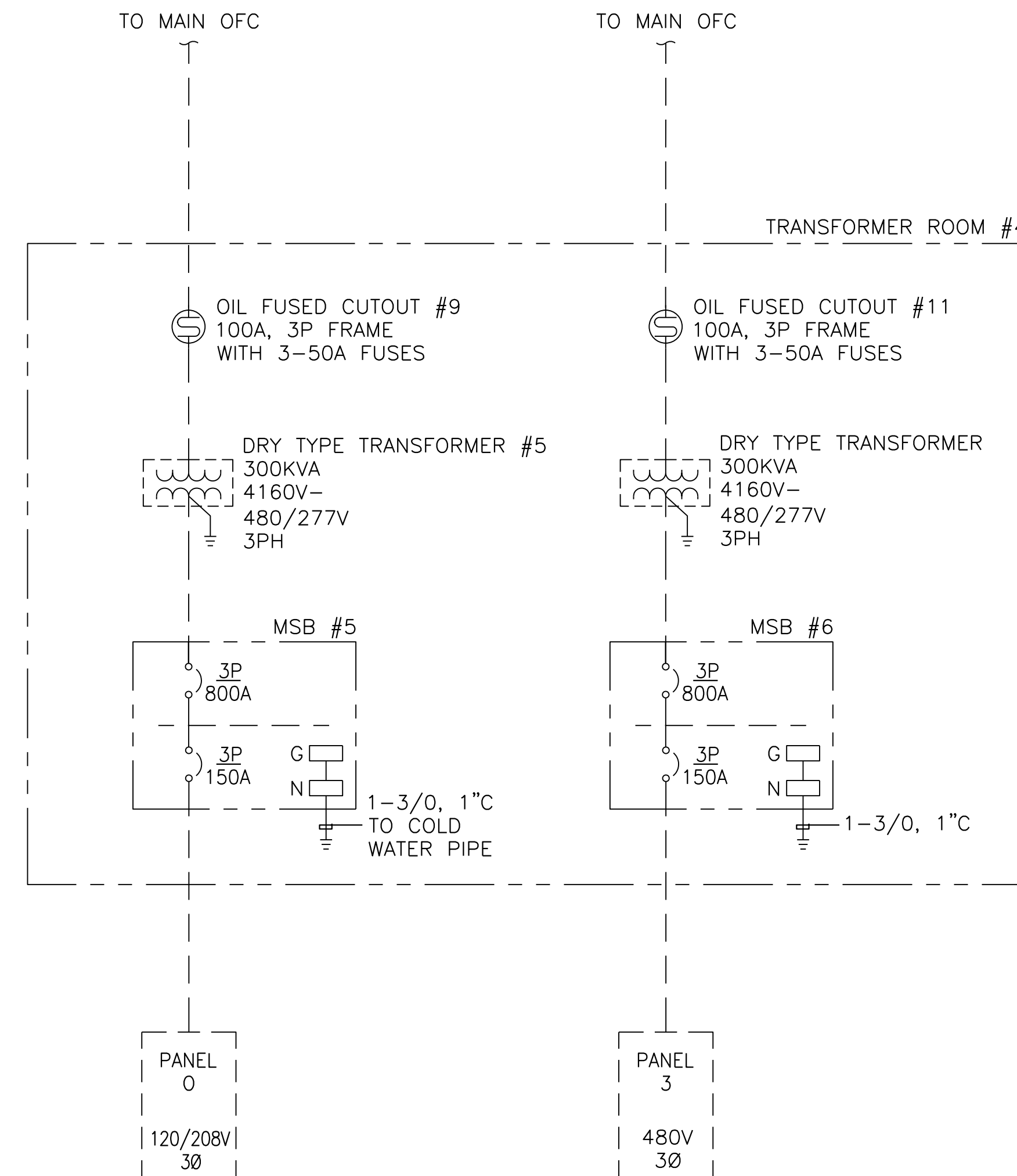
PLANS FOR THE CONSTRUCTION OF
Chollas Paint Booth Replacement

PANEL SCHEDULES

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 21 OF 24 SHEETS				WBS L-14002.5	
APPROVED: FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER		11/16/2020 DATE C77208 RCE*		SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER CHECKED BY:	
DESCRIPTION	BY	APPROVED	DATE	FILMED	PROJECT ENGINEER
ORIGINAL	BSE		11/16/20		207-1747 CCS27 COORDINATE
					1847-6309 CCS83 COORDINATE
CONTRACTOR				41952-21-0	



1 SINGLE LINE DIAGRAM - DEMO
SCALE: NO SCALE



2 SINGLE LINE DIAGRAM - NEW
SCALE: NO SCALE

KEY NOTES:

1 -

Chollas Paint Booth Replacement

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CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.


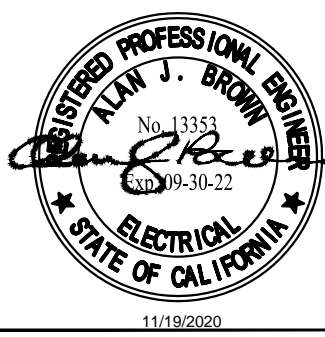
WARNING

0 1

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The City of
SAN DIEGO

Engineering &
Capital Projects

AS-BUILT INFORMATION		PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement			
MATERIALS	MANUFACTURER				
-	-				
-	-				
-	-				
CONSULTANT		SINGLE LINE DIAGRAM			
 BSE ENGINEERING, INC. 10680 TRENA ST., SUITE 100 SAN DIEGO, CA 92131 TEL: 858.800.6000 FAX: 858.800.6001 BSE PROJECT NO. 19-308-1035		SPEC. NO. 1979		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 22 OF 24 SHEETS	
				SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER CHECKED BY: PROJECT ENGINEER	
		DATE: 11/16/2020 C77208		WBS L-14002.5	
		DEPUTY CITY ENGINEER		1847-6309 CCS83 COORDINATE	
		DATE STARTED		41952-22-0	
		DATE COMPLETED			

PLUMBING LEGEND AND ABBREVIATIONS					
SYMBOL	ABBREV.	DESCRIPTION	SYMBOL	ABBREV.	DESCRIPTION
	POC	POINT OF CONNECTION		A/G	ABOVE GRADE
	G	LOW PRESSURE NATURAL GAS		B/F	BELOW FLOOR
	MPG	MEDIUM PRESSURE NATURAL GAS		B/G	BELOW GRADE
	SOV	SHUT OFF VALVE		CFH	CUBIC FEET PER HOUR
	PRV	PRESSURE REDUCING VALVE		DWGS.	DRAWINGS
	DN	DOWN OR DROP		EA.	EACH
	UP	RISE OR RISER		EXIST.	EXISTING
		VALVE ON RISE OR DROP		(E)	EXISTING
	U	UNION		FT.	FEET OR FOOT
	REG	GAS REGULATOR W/SHUT-OFF VALVE		FLR.	FLOOR
				NTS	NOT TO SCALE
				LB	POUNDS
				PSI	POUNDS PER SQUARE INCH

PLUMBING EQUIPMENT SCHEDULE											
SYMBOL	TYPE	ELECTRICAL DATA				CAPACITY		STORAGE VOLUME (GALLON)	WEIGHT (LBS)	DESCRIPTION	LOCATION
		POWER (HP)	VOLTS	PHASE	HERTZ (Hz)	INPUT (MBH)	OUTPUT (MBH)				
	COMPRESSED AIR OUTLET	--	--	--	--	--	--	--	--	INGERSOLL RAND EDGE SERIES AIR LINE COUPLER.	PAINT BOOTH

GENERAL NOTES	
1.	NO PLUMBING SHALL BE INSTALLED UNTIL ALL REQUIRED PLUMBING PLAN CHECK PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REQUIRED AGENCIES.
2.	COORDINATE AND SCHEDULE TIMING FOR UTILITY SERVICE CONNECTION.
3.	ALL LINES RUNNING BELOW GRADE BEAMS OR PENETRATING, SEE STRUCTURAL DRAWINGS FOR CONSTRUCTION.
4.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, ROOFS, FOOTINGS, FLOORS, INCLUDING ALL SAW CUTTING AND CORE DRILLING. COORDINATE ALL SAW CUTTING AND CORE DRILLING WITH STRUCTURAL DRAWINGS. ANY CUTTING AND DRILLING REQUIRED OF STRUCTURAL ELEMENTS THAT IS NOT SPECIFICALLY SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO CUTTING AND DRILLING. CONTRACTOR SHALL SUBMIT PROPOSED LOCATION AND SIZES OF SUCH CUTTING AND DRILLING FOR THE ARCHITECT'S AND STRUCTURAL ENGINEERS APPROVAL.
5.	COORDINATE ALL EQUIPMENT LOCATIONS, PIPE PENETRATIONS AND EQUIPMENT PAD LOCATIONS WITH STRUCTURAL DRAWINGS PRIOR TO WORK.
6.	COORDINATE INSTALLATION OF ALL EQUIPMENT AND PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. ENSURE THAT ALL CONTROL DEVICES, SHUT-OFF VALVES, ETC. SHALL BE LABELLED AND ARE ACCESSIBLE FOR MAINTENANCE. WHERE ACCESS PANELS IN FINISHED SPACES, OTHER THAN THAT SHOWN, CONTRACTOR SHALL PROVIDE AND COORDINATE EXACT LOCATION OF PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
7.	INSTALL VALVES WITH UNIONS OR FLANGES AT EACH PIECE OF EQUIPMENT ARRANGED TO ALLOW SERVICE, MAINTENANCE, AND EQUIPMENT REMOVAL WITHOUT SYSTEM SHUT-DOWN.
8.	ANY STRUCTURAL FIREPROOFING DAMAGED DURING INSTALLATION OF PLUMBING EQUIPMENT, PIPING ETC. SHALL BE REPAIRED AT NO COST TO THE OWNER. REPAIRS SHALL BE AS DIRECTED BY THE ARCHITECT.
9.	FOR EACH SUBMITTAL, THE CONTRACTOR SHALL PROVIDE A LETTER (ON COMPANY LETTERHEAD) AND SIGNED BY THE PROJECT MANAGER INDICATING THE SUBMITTAL HAS BEEN FULLY IN HOUSE REVIEWED TO ENSURE FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND COORDINATION WITH OTHER TRADES. ANY EXCEPTIONS TO THE CONTRACT DOCUMENTS SHALL BE CLEARLY INDICATED ON THIS LETTER. ANY DISCREPANCIES/EXCEPTIONS NOT IDENTIFIED IN WRITING SHALL BE CORRECTED AT THE SOLE EXPENSE OF THE CONTRACTOR AND AT NO EXPENSE TO THE OWNER AND ENGINEER.
10.	SHUT-OFF VALVES SHALL BE 1/4-TURN WHERE POSSIBLE.
11.	GAS PIPE MATERIALS SHALL COMPLY WITH SECTION 1209.5 C.P.C.
12.	NO CFC'S OR HALONS IN HVAC, REFRIGERATION, FIRE SUPPRESSION EQUIPMENT [5.508.1 CGBSC] ARE ALLOWED.
13.	PROVIDE PIPE INSULATION ON ALL EXPOSED AND ACCESSIBLE HOT WATER PIPES CONNECTED TO A NEW WATER HEATER PER THE CALIFORNIA ENERGY CODE. [SMMC 8.106.180].
14.	LABEL MEDIUM PRESSURE GAS EVERY 5 FEET.

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING

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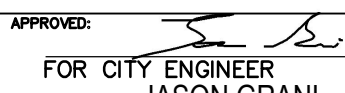


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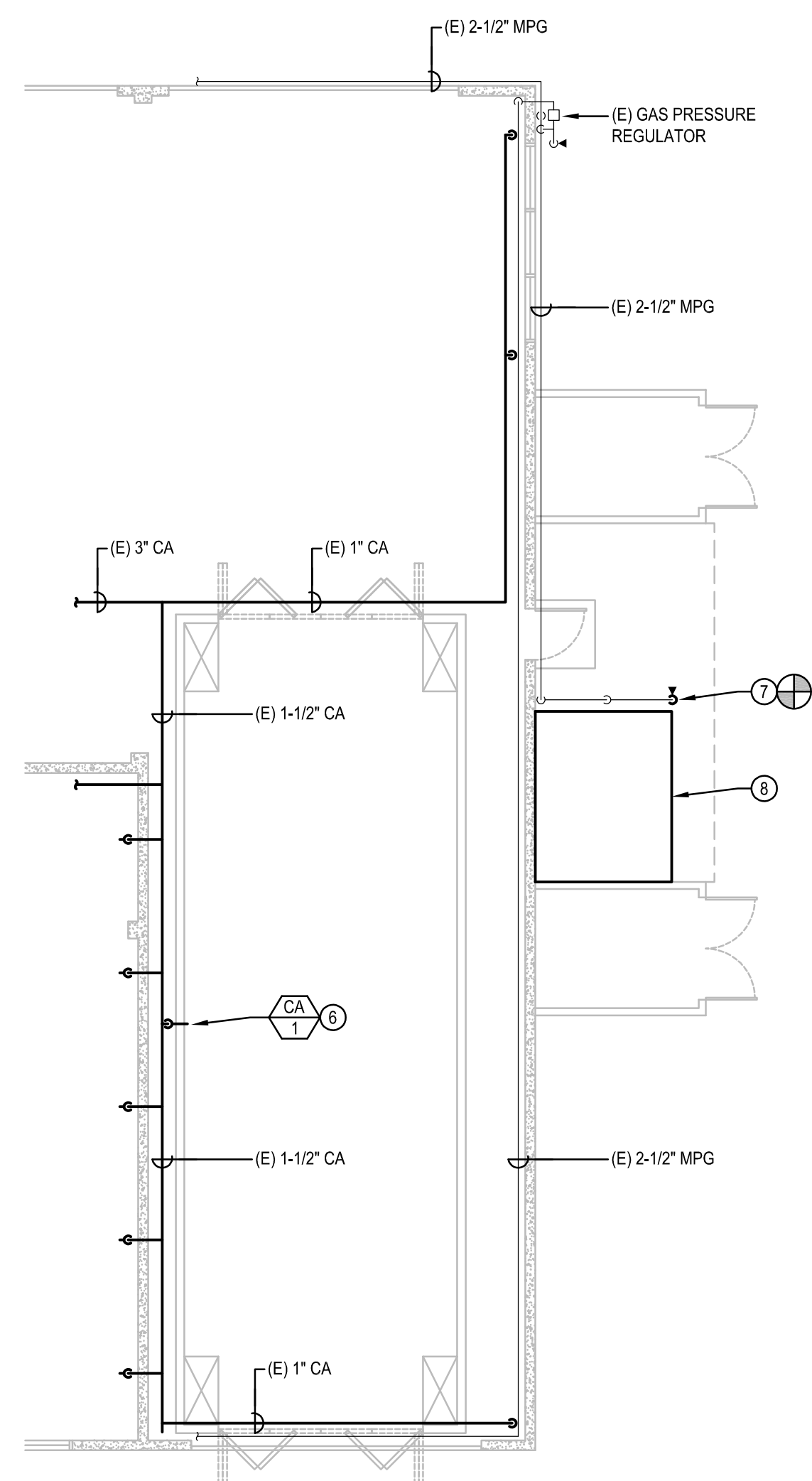
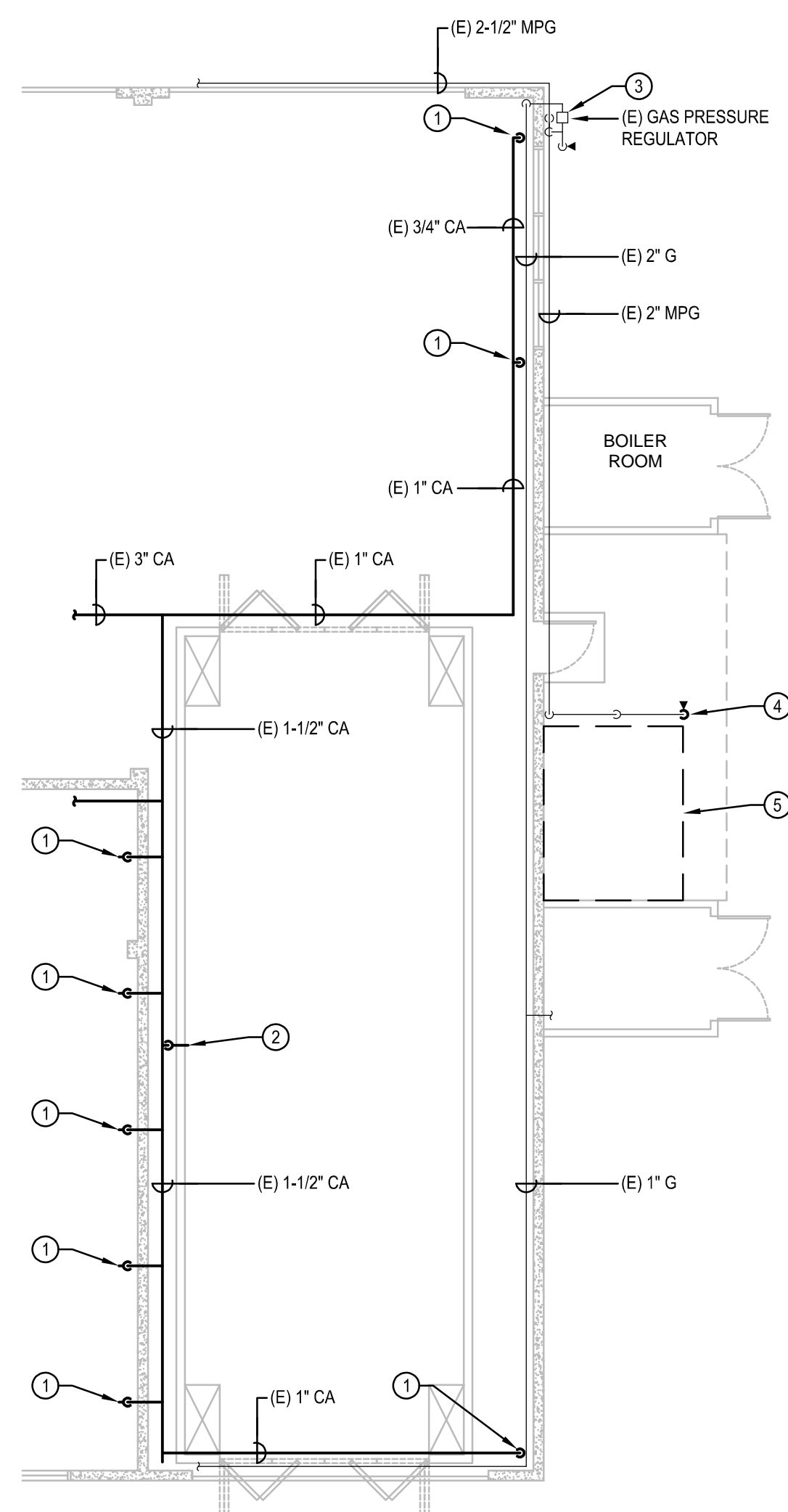
The City of

SAN DIEGO



Engineering & Capital Projects

AS-BUILT INFORMATION		<div>PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement</div> <div>PLUMBING LEGEND, GENERAL NOTES, AND SCHEDULES</div> <div><div>CITY OF SAN DIEGO, CALIFORNIA ENGINEERING & CAPITAL PROJECTS DEPARTMENT SHEET 23 OF 24 SHEETS</div><div><div>WBSL-14002.5</div><div><div>APPROVED:  11/16/2020 FOR CITY ENGINEER JASON GRANI DEPUTY CITY ENGINEER RCE# C77208 DATE 11/16/2020</div><div><div>SUBMITTED BY: FRANCIS S. MARQUEZ PROJECT MANAGER CHECKED BY: PROJECT ENGINEER</div><div><div>207.1747 CCS27 COORDINATE</div><div><div>1847-6.309 CCS83 COORDINATE</div></div><div><div>41952- 23 -D</div></div></div></div></div></div></div>			
CONSULTANT				SPEC. NO. 1979	
<div><div>5160 Carroll Canyon Rd, Suite 200 San Diego, California 92121 Consulting Mechanical Engineers © 858 200-0030 © 858 200-0037 www.ma-engr.com</div></div>				<div><div>CONTRACTOR INSPECTOR</div></div>	



- ## KEYNOTES
- EXISTING COMPRESSED AIR DROP TO REMAIN.
 - DISCONNECT EXISTING COMPRESSED AIR SUPPLY TO PAINT BOOTH AND RECONNECT TO NEW PAINT BOOTH.
 - EXISTING GAS PRESSURE REGULATOR TO REMAIN.
 - DISCONNECT AND REMOVE SECTION OF EXISTING 2-INCH MEDIUM PRESSURE GAS SUPPLY, SHUT-OFF VALVE, AND PRESSURE REGULATOR FROM THE SHUT-OFF VALVE TO THE MAKE-UP AIR UNIT. RECONNECT TO NEW UNIT PER NEW WORK PLAN.
 - EXISTING MAKE-UP AIR UNIT TO BE REMOVED. SEE MECHANICAL DRAWINGS.
 - RECONNECT 3/4-INCH COMPRESSED AIR TOPPAINT BOOTH AND PROVIDE NEW QUICK-CONNECT AIR COUPLER.
 - POC TO EXISTING 2-INCH MEDIUM PRESSURE GAS DROP, PROVIDE 2-INCH SHUT-OFF VALVE, AND PRESSURE REGULATOR (2745 CFH, 5 PSI TO 11-INCHES W.C.), CONNECT TO NEW MAKE-UP AIR UNIT. SEE DETAIL.
 - NEW MAKE-UP AIR UNIT. SEE MECHANICAL DRAWINGS.



- | GENERAL NOTES | |
|---------------|---|
| 1 | GAS SCOPE IS 0 DISCONNECT AND RECONNECT TO EQUIPMENT THAT IS REPLACE-IN-KIND. |
| 2 | EXISTING PIPES AND CONDUITS CONNECTED TO BOILER ROOM, PROTECT IN PLACE. |

P-2

PLANS FOR THE CONSTRUCTION OF Chollas Paint Booth Replacement

PLUMBING DEMO & NEW FLOOR PLANS

AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
—	—
—	—
—	—
—	—

CONSULTANT	SPEC. NO. 1979
 <p>5160 Carroll Canyon Rd., Suite 200 San Diego, California 92121 Consulting Mechanical Engineers ☎ 858 200-0030 ☎ 858 200-0037 www.ma-engr.com</p>	 <p>10/18/2020 6105</p>

CONTRACTOR _____

INSPECTOR _____

DATE _____