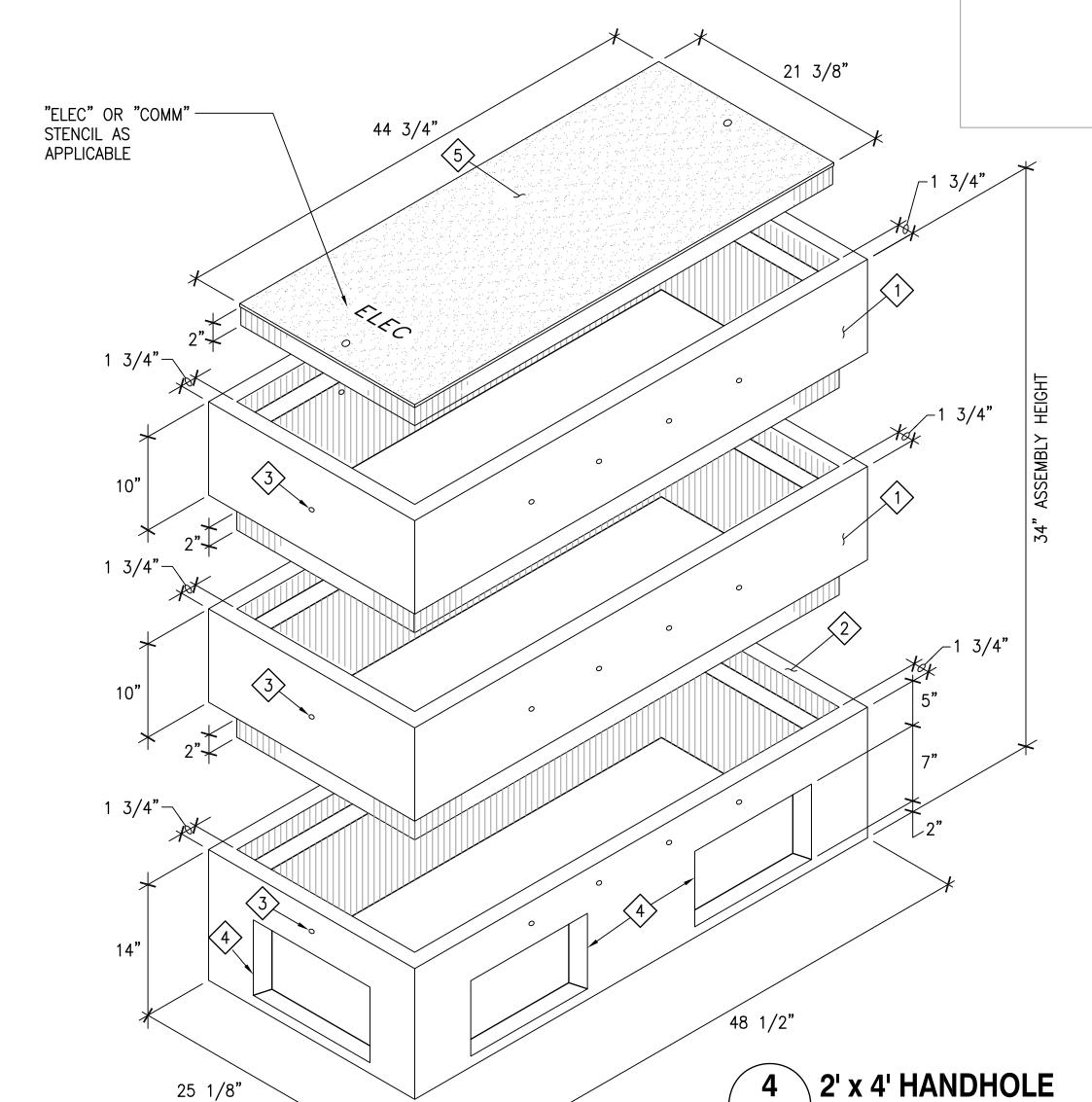


E19 NO SCALE



	20 1/0		E19 NO SCALE							
DUCT SCHEDULE										
TYPE	DUCT SCREDULE DESCRIPTION	SIZE	CABLES							
1	MECO SECONDARY, PVC SCHEDULE 40, CONCRETE ENCASED	4"	SEE ONE LINE DIAGRAM							
2	EXIST OFFICE BUILDING SECONDARY FEEDER, PVC SCHEDULE 40, CONCRETE ENCASED	3"	SEE ONE LINE DIAGRAM							
3	BUILDING SECONDARY FEEDER, PVC SCHEDULE 40, CONCRETE ENCASED	4"	SEE ONE LINE DIAGRAM							
4	BUILDING SECONDARY FEEDER, PVC SCHEDULE 40, CONCRETE ENCASED	3 "	SEE ONE LINE DIAGRAM							
5	BUILDING SECONDARY FEEDER, PVC SCHEDULE 40, CONCRETE ENCASED	2 1/2"	SEE ONE LINE DIAGRAM							
6	BATTERY ENERGY STORAGE SYSTEM AC FEEDER	2"	SEE ONE LINE DIAGRAM							
7	PARKING CANOPY PV SYSTEM AC FEEDER	1 1/2"	SEE ONE LINE DIAGRAM							
T	TELECOMMUNICATIONS, PVC SCHEDULE 40, CONCRETE ENCASED	2"C	SEE TELECOMMUNICATINS RISER DIAGRAM							
T1	TELECOMMUNICATIONS (PV SYSTEM), PVC SCHEDULE 40, CONCRETE ENCASED	1 1/4°C	SEE ONE LINE DIAGRAM							

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-ART18-01	2022	76	80

NOTES:

- 1. HANDHOLE DESIGNED IN ACCORDANCE WITH HECO STANDARDS USING 4,000 PSI COMPRESSIVE STRENGTH CONCRETE AND 60,000 PSI YIELD STRENGTH ASTM A-615 STEEL REINFORCEMENT PER CALCS.
- 2. ALL CONCRETE AND REINFORCED CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE AMERICAN CONCRETE INSTITUTE'S BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318–87).
- 3. HANDHOLE TO BE PLACED ON A 6" BASE OF CRUSHER RUN FOR EASE OF INSTALLATION AND EVEN LOAD DISTRIBUTION.
- 4. PRODUCT TO BE STENCILED WITH MANUFACTURER NAME AND DATE OF POUR.

MATERIAL SCHEDULE

- 1) TOP SECTION. WT. 400 LBS.
- 2 BOTTOM SECTION W/KNOCKOUTS. WT. 430 LBS.
- 3 1/2"ø x 4" LIFTING HOLE (CONTR. TO GROUT SOLID AFTER PLACEMENT OF SECTION).
- 4 CONDUIT OPENING KNOCKOUT.
- (5) CONCRETE COVER, REFER TO HECO DWG. NO. 11312.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DUCT AND HANDHOLE DETAILS

MAUI DISTRICT BASEYARD
Project No. HWY-M-ART18.01

Scale: AS SHOWN

Date: MAY 2022

PROJECT ENGINEER for ECS, Inc.

APRIL 30, 2024

EXPIRATION DATE OF THE LICENSE

SHEET No. E19 OF 80 SHEETS

