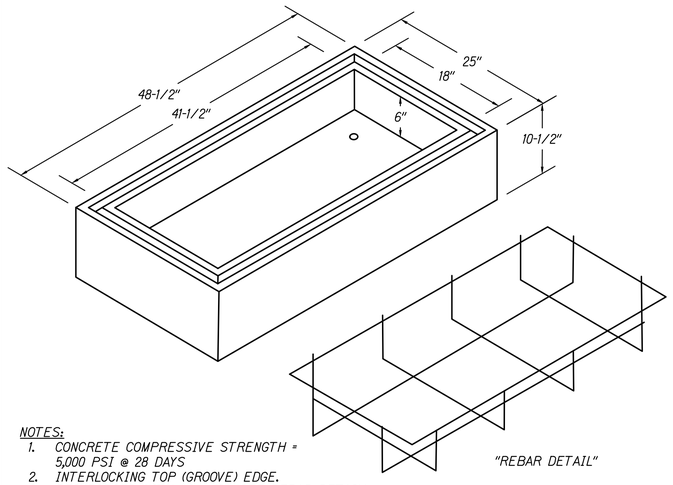
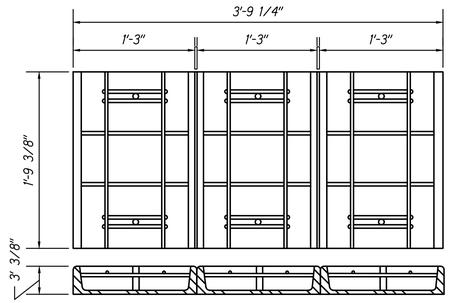
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-03-21, PHASE 2	2022	42	46



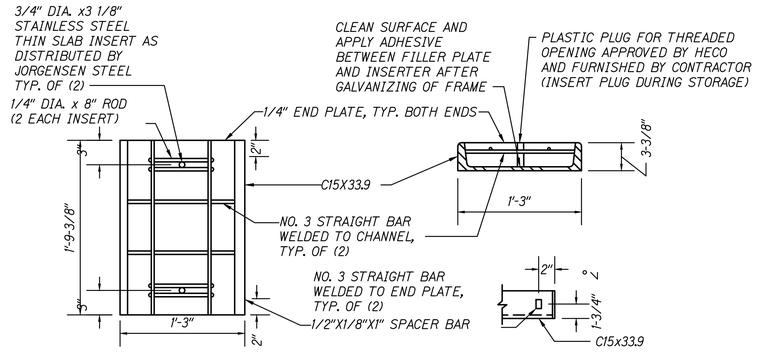
"REBAR DETAIL"

NOTES:
1. CONCRETE COMPRESSIVE STRENGTH = 5,000 PSI @ 28 DAYS
2. INTERLOCKING TOP (GROOVE) EDGE.
3. REINFORCED WITH #4 @ 12" (SEE REBAR DETAIL)
4. 2 -1" DIAMETER HOLES FOR GROUND RODS.



3 PC. COVER PLAN AND SECTION

NOTES:
1. GALVANIZE CHANNEL PER ASTM 153 (AS AMENDED TO DATE OF FABRICATION).
2. CONCRETE COMPRESSIVE STRENGTH = 5000 PSI AT 28 DAYS.
3. FINISHED SURFACE SHALL BE BROOMED OR ROUGHENED TO SIMULATE SIDEWALK FINISH.



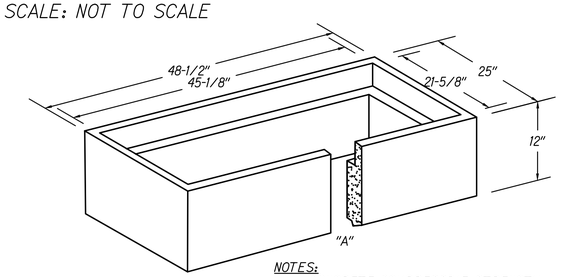
COVER FRAME (TYP. OF 3)

SPACER BAR DETAIL

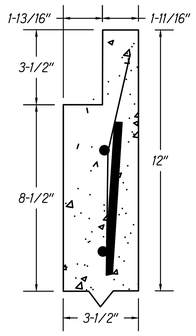
2'x4' TRAFFIC RATED HH BOX FLOOR DETAIL

1 E502 E502

SCALE: NOT TO SCALE



NOTES:
1. CONCRETE COMPRESSIVE STRENGTH = 5,000 PSI @ 28 DAYS
2. INTERLOCKING BOTTOM (TONGUE) EDGE
3. REINFORCED WITH 2-#3 CONT.
4. REINFORCED WITH #3 VERT @ 12"
5. REINFORCED WITH 2X 2X #16 WIRE MESH CONT.
6. CLEAR INSIDE DIMENSION 18" X 41-1/2"

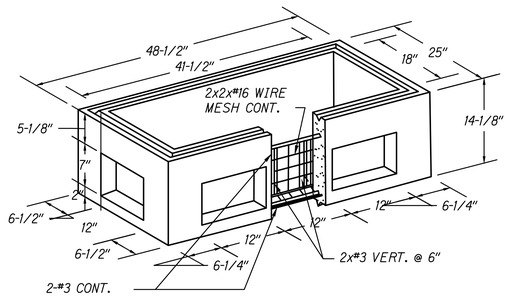


DETAIL "A"
SCALE: 3" = 1"

2'x4' TRAFFIC RATED HH BOX COVERS DETAIL

2 E502 E502

SCALE: NOT TO SCALE



NOTES:
1. CONCRETE COMPRESSIVE STRENGTH = 5,000 PSI @ 28 DAYS
2. REINFORCED WITH 2-#3 CONT.
3. REINFORCED WITH 2X 2X #16 WIRE MESH CONT.
4. CLEAR INSIDE DIMENSIION 18" X 41-1/2"

2'x4' TRAFFIC RATED HH BASES RISER DETAIL

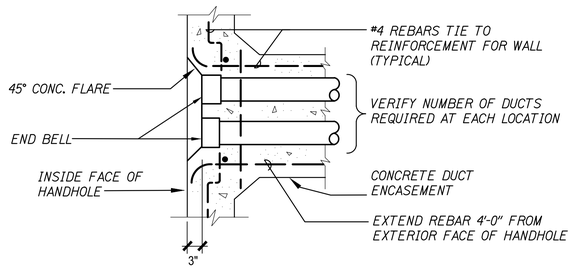
4 E502 E502

SCALE: NOT TO SCALE

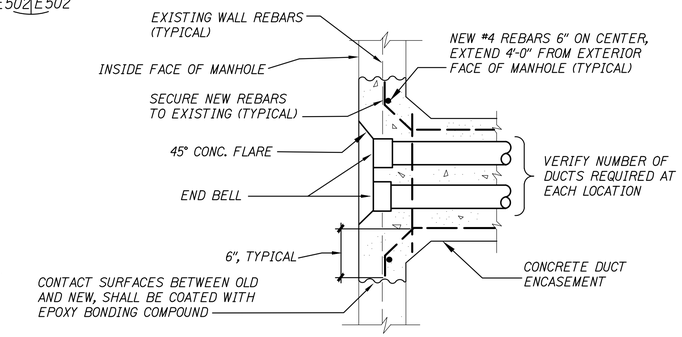
2'x4' TRAFFIC RATED HH BOX BODY DETAIL

3 E502 E502

SCALE: NOT TO SCALE



SECTION AT NEW HANDHOLE



SECTION AT NEW PENETRATION OF EXISTING HANDHOLE

TYPICAL DUCT ENTRANCE DETAIL

5 E502 E502

SCALE: NOT TO SCALE

20055_E-502.DWG 7/20/2022 8:09:50 AM

GARRET A. MASUDA
LICENSED PROFESSIONAL ENGINEER
No. 9756-E
HAWAII, U.S.A.

4/30/24
EXP. DATE

This work was prepared by me or under my supervision.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC RATED HANDHOLE DETAILS

MAUI DISTRICT BASEYARD OFFICE EXPANSION & RENOVATION, PART 2
Project No. HWY-M-03-21, Phase 2

Scale: AS SHOWN Date: JULY 2022

SHEET No. E502 OF 14 SHEETS