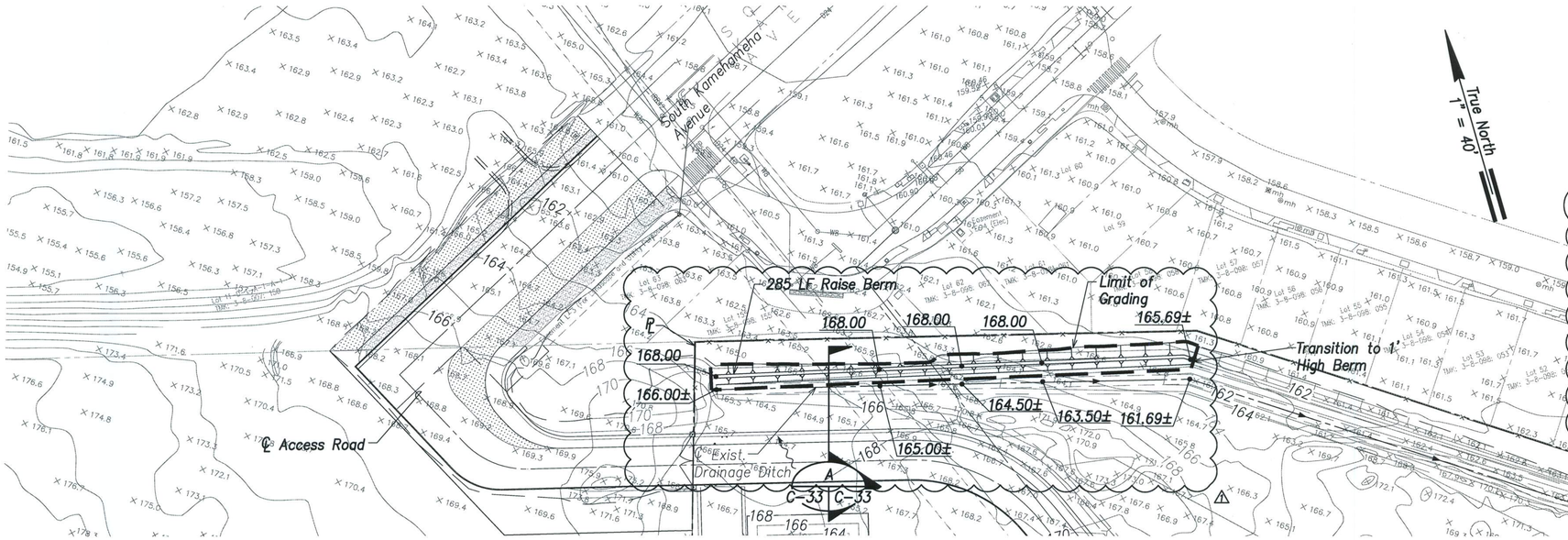
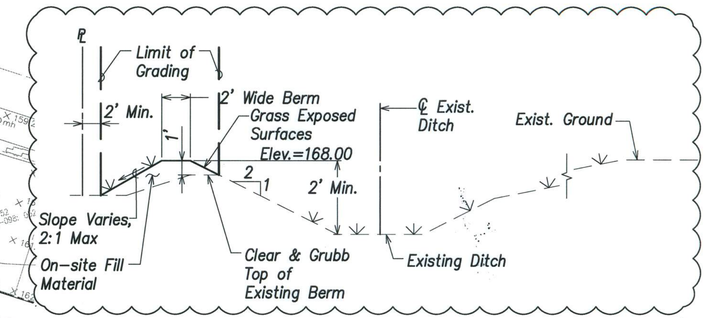
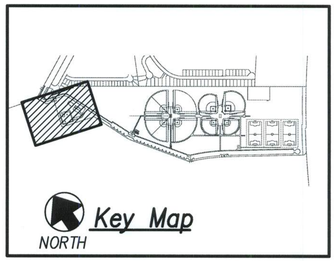




Section
Not to Scale
A
C-33 C-33

Grading Plan – 7

Scale: 1" = 40'



Key Map

Legend

180	Exist. Contour
180	Finished Contour
	Limit of Grading
	Top Bank
	Bottom Bank
	Slope
166.00	Finish Spot Elevation
× 158.3	Exist. Spot Elevation

Graphic Scale:

1" = 40' 40' 20' 0' 40' 80'

Scale In Feet

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: Add Spot Elevations	12/19	8/26/16	

GORDON T. RING
LICENSED PROFESSIONAL ENGINEER
No. 9300-C
HAWAII, U.S.A.

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SIGNATURE 4/30/18 EXP. DATE

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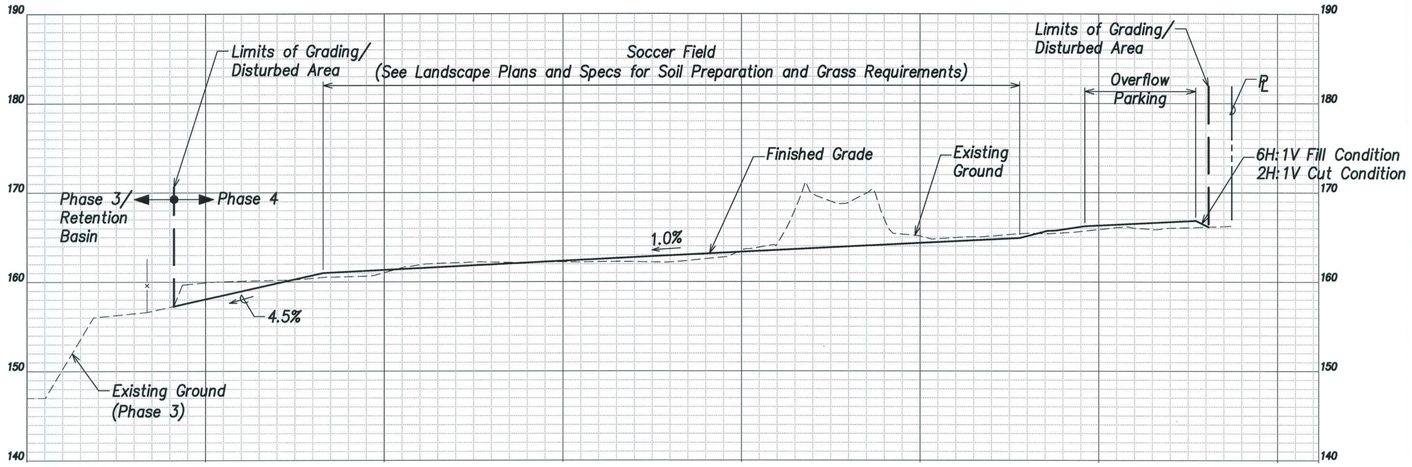
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

GRADING PLAN – 7

DESIGNED: GR/NN/JP	SUBMITTED: --
DRAWN: GR/NN/JP	DATE: AUGUST 2016
CHECKED: GTR	SCALE: AS SHOWN
APPROVED: CHIEF ENGINEER	AUG 2 6 2016 DATE

DRAWING NO. C-33

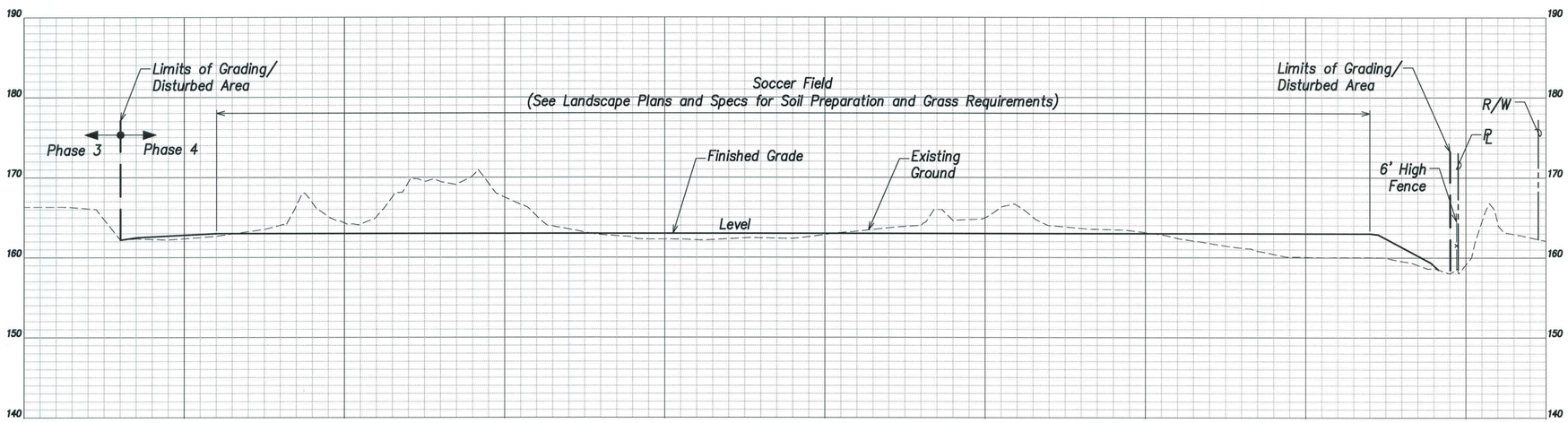


Note:
All Exposed Areas
Shall Be Grassed.
See Landscape Plans

Section C

Scales: Hor: 1" = 40'
Vert: 1" = 8'

C-31|C-42



Note:
All Exposed Areas
Shall Be Grassed.
See Landscape Plans

Section D

Scales: Hor: 1" = 40'
Vert: 1" = 8'

C-31|C-42

Graphic Scales:

1" = 40' 40' 20' 0' 40' 80'

1" = 8' 8' 4' 0' 8' 16'

Scales In Feet

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: New Sheet	13/19	8/26/16	

GORDON T. RING
LICENSED PROFESSIONAL ENGINEER
No. 9300-C
HAWAII, U.S.A.

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SIGNATURE 4/30/18 EXP. DATE

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808 842 1133 2024 North King Street Suite 350 Honolulu Hawaii 96819-3404

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

SITE SECTIONS – 2

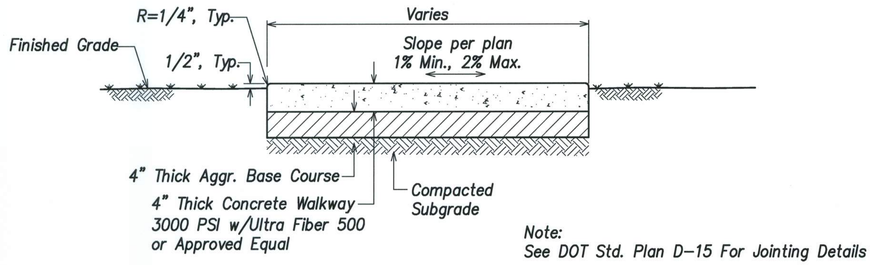
DESIGNED:	GR/NN/JP	SUBMITTED:	--
DRAWN:	GR/NN/JP	DATE:	AUGUST 2016
CHECKED:	GTR	SCALE:	AS SHOWN

APPROVED:
CHIEF ENGINEER — AUG 26 2016 DATE

DRAWING NO. C-42

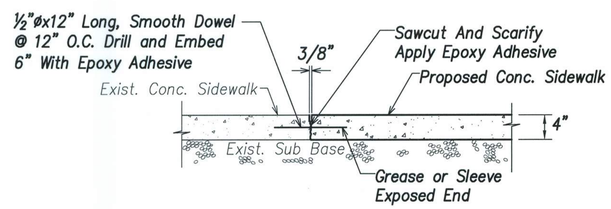
JOB NO. F93C817E

SHEET NO. 16 OF 56 SHEETS

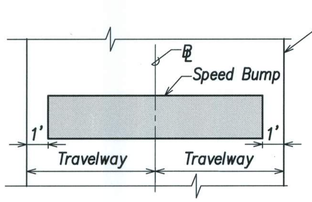


Note:
See DOT Std. Plan D-15 For Jointing Details

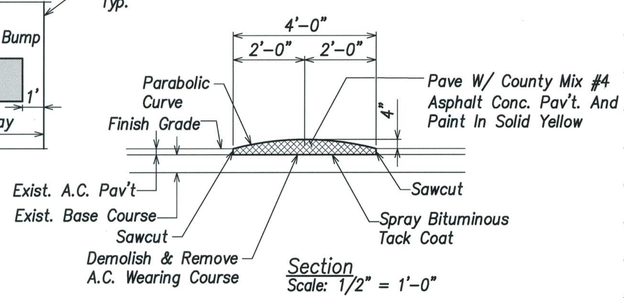
Concrete Sidewalk
Not to Scale



Sidewalk Connection Detail
Not To Scale

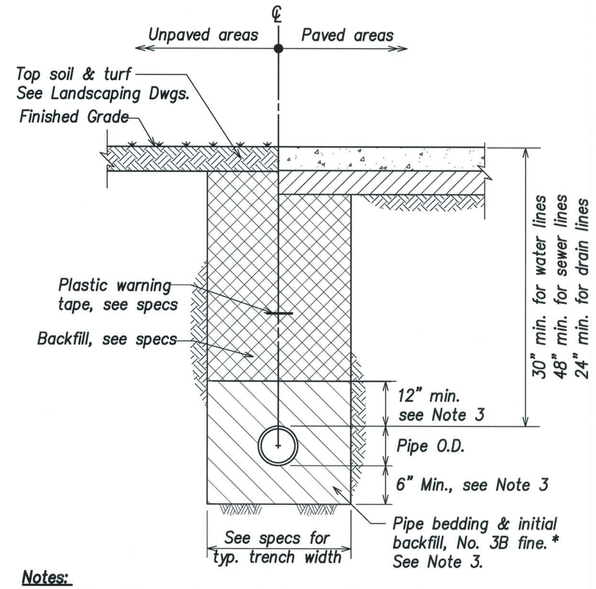


Plan
Not To Scale



Section
Scale: 1/2" = 1'-0"

A.C. Speed Bump
Scale: As Shown



Notes:
1. Provide minimum clearance between water crossing over sewer lines of 12".
2. For pipes larger than 24" in diameter provide 12" of bedding below pipe.
3. For waterline installation, see DWS Std. Det. P10 for pipe bedding & initial backfill requirements.

Trench Restoration Detail
Not to Scale

Graphic Scale:
1/2" = 2' 2' 1' 0' 2' 4'

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: Add Details	14/19	8/26/16	

GORDON T. RING
LICENSED PROFESSIONAL ENGINEER
No. 9300-C
HAWAII, U.S.A.

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

MISC. DETAILS

DESIGNED: GR/NN/JP	SUBMITTED: --
DRAWN: GR/NN/JP	DATE: AUGUST 2016
CHECKED: GTR	SCALE: AS SHOWN

APPROVED: CHIEF ENGINEER AUG 2 6 2016 DATE

DRAWING NO. C-55

Controller 8
See Phase 2 Plans for the exact location of Controller 8
(approximately 50' beyond this point)

MATCH LINE SHEET IR-4

EXISTING, SEE PHASE 2 WORK

N.I.C

MATCH LINE SHEET IR-6

Install a Q.C. valve behind pitchers mound flush to grade without a valve box – Typical

Stub-out and cap for future extension
Install Maxicom communication wiring to stub-out and terminate in a valve box at the location of the stub-out

EXISTING, SEE PHASE 2 WORK

1 IRRIGATION PLAN 5

SCALE: 1" = 40'

NORTH

GRAPHIC SCALE:
1"=40' 40' 20' 0 40' 80'

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: Rev. Valve Callouts, N.I.C. Limits.	15/19	8/26/16	

ALLAN G. SCHILDKNECHT
CERTIFIED IRRIGATION DESIGNER
Irrigation Association
No. 340384
COMMERCIAL

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Allan G. Schildknecht 4/30/18
SIGNATURE EXP. DATE

R. M. TOWILL CORPORATION
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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

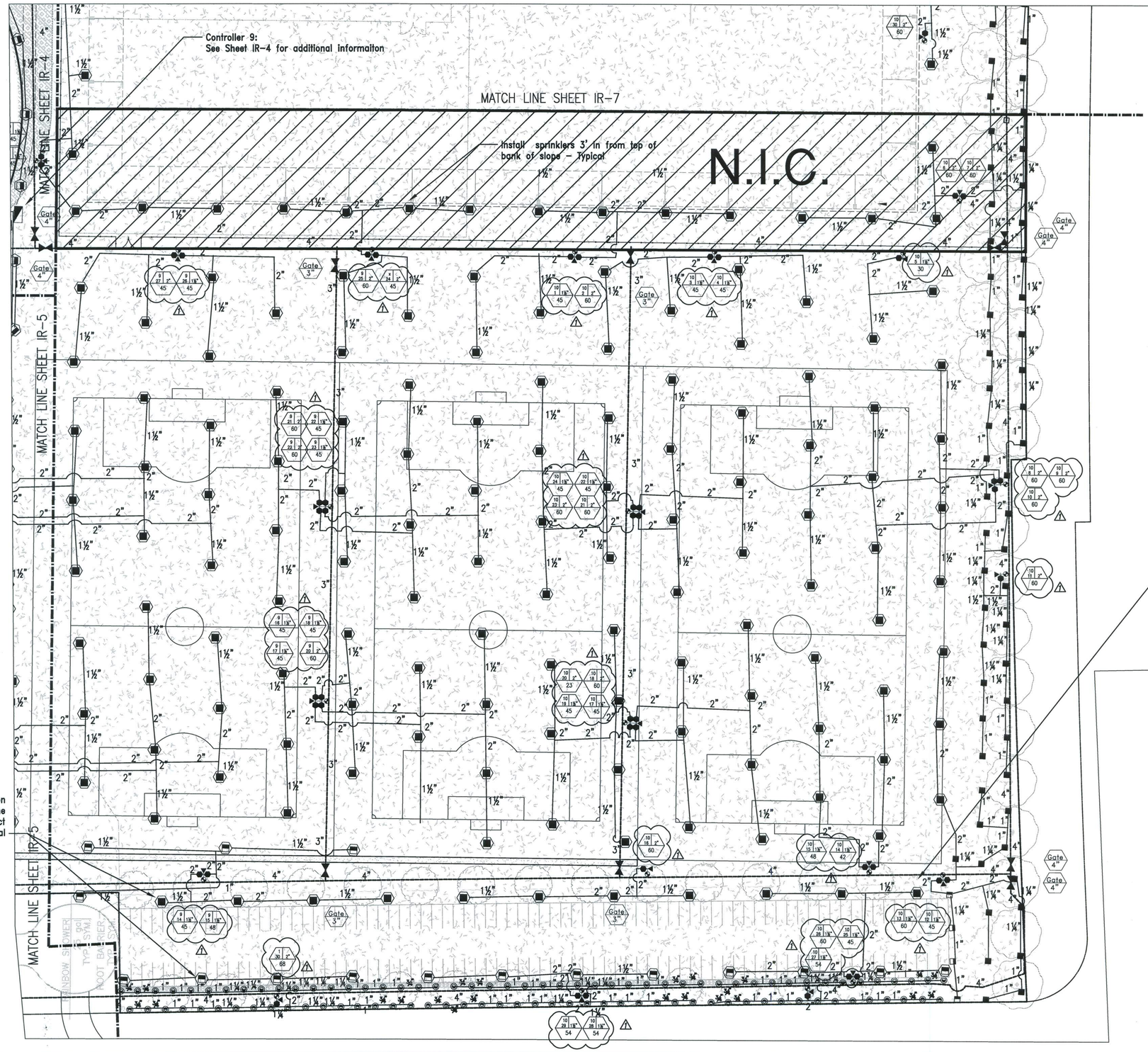
IRRIGATION PLAN 5

DESIGNED: AGS	SUBMITTED: --
DRAWN: AGS/PPS	DATE: AUGUST 2016
CHECKED: AGS	SCALE: 1" = 40'
APPROVED: CHIEF ENGINEER	AUG 2 6 2016 DATE

DRAWING NO. IR-5

JOB NO. F93C817E

SHEET NO. 24 OF 56 SHEETS



Controller 10:
Contractor to install a 40 Station pedestal mounted field controller at approximate location shown. See electrical plans for 120v power to controller.

GRAPHIC SCALE:
1"=40'
40' 20' 0 40' 80'

1 IRRIGATION PLAN 6
SCALE: 1" = 40'

NORTH

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: Rev. Valve Callouts	16/19	8/26/16	

ALLAN G. SCHILDKNECHT CERTIFIED IRRIGATION DESIGNER No. 340384 COMMERCIAL

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Allan G. Schildknecht 4/30/18
SIGNATURE EXP. DATE

R. M. TOWILL CORPORATION
Planning • Engineering • Environmental Services • Photogrammetry • Surveying • Construction Management
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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

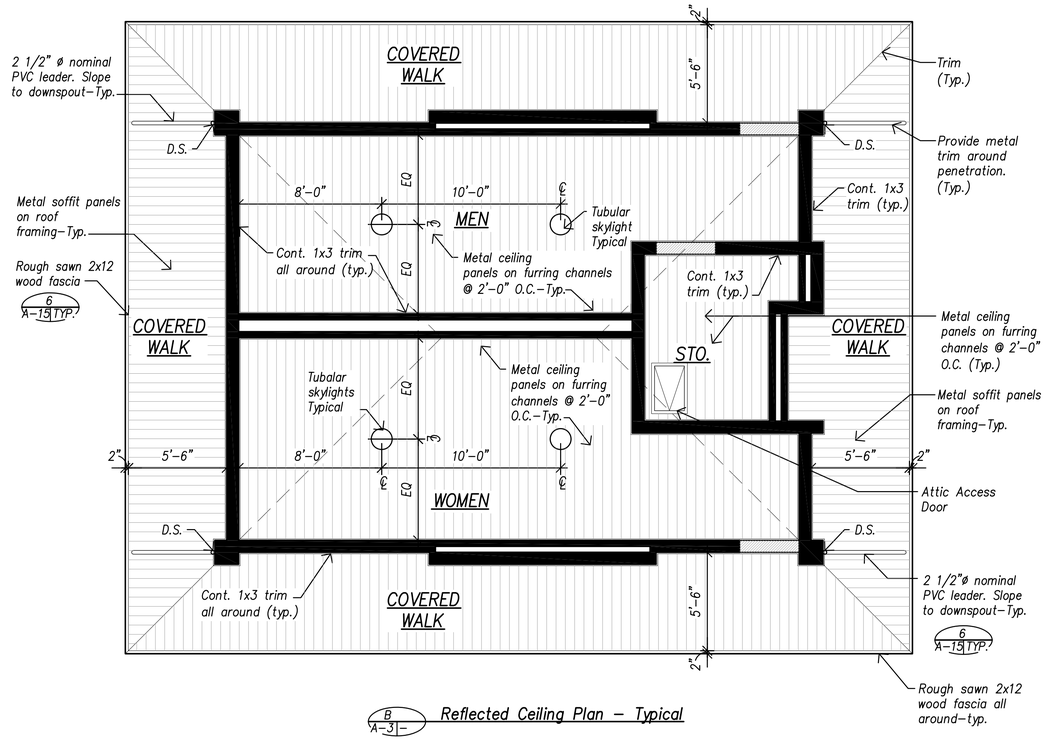
IRRIGATION PLAN 6

DESIGNED: AGS	SUBMITTED: --
DRAWN: AGS/PPS	DATE: AUGUST 2016
CHECKED: AGS	SCALE: 1" = 40'
APPROVED: CHIEF ENGINEER	AUG 2 6 2016 DATE

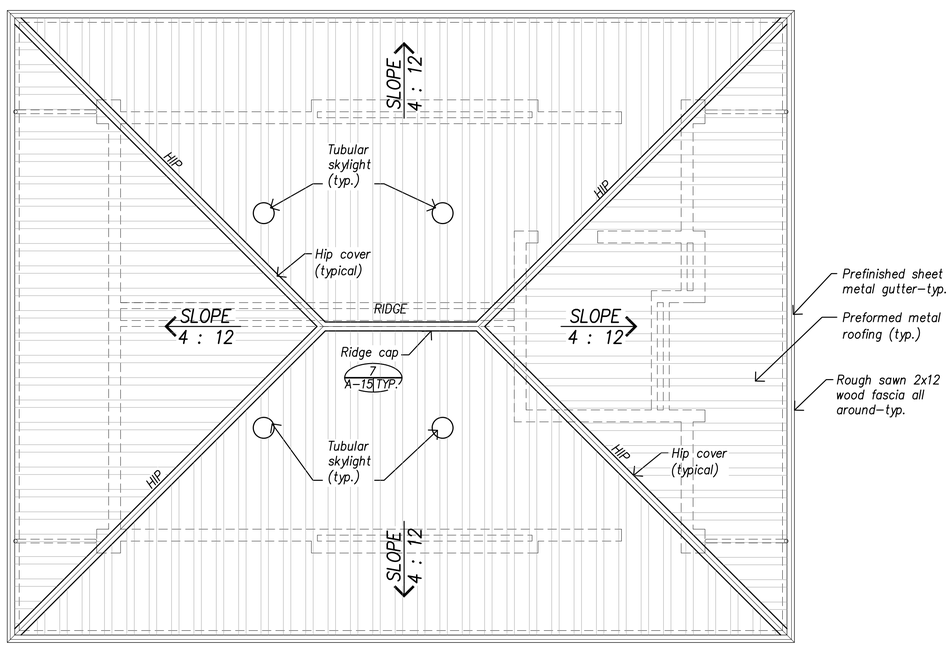
DRAWING NO. IR-6

JOB NO. F93C817E

SHEET NO. 26 OF 56 SHEETS



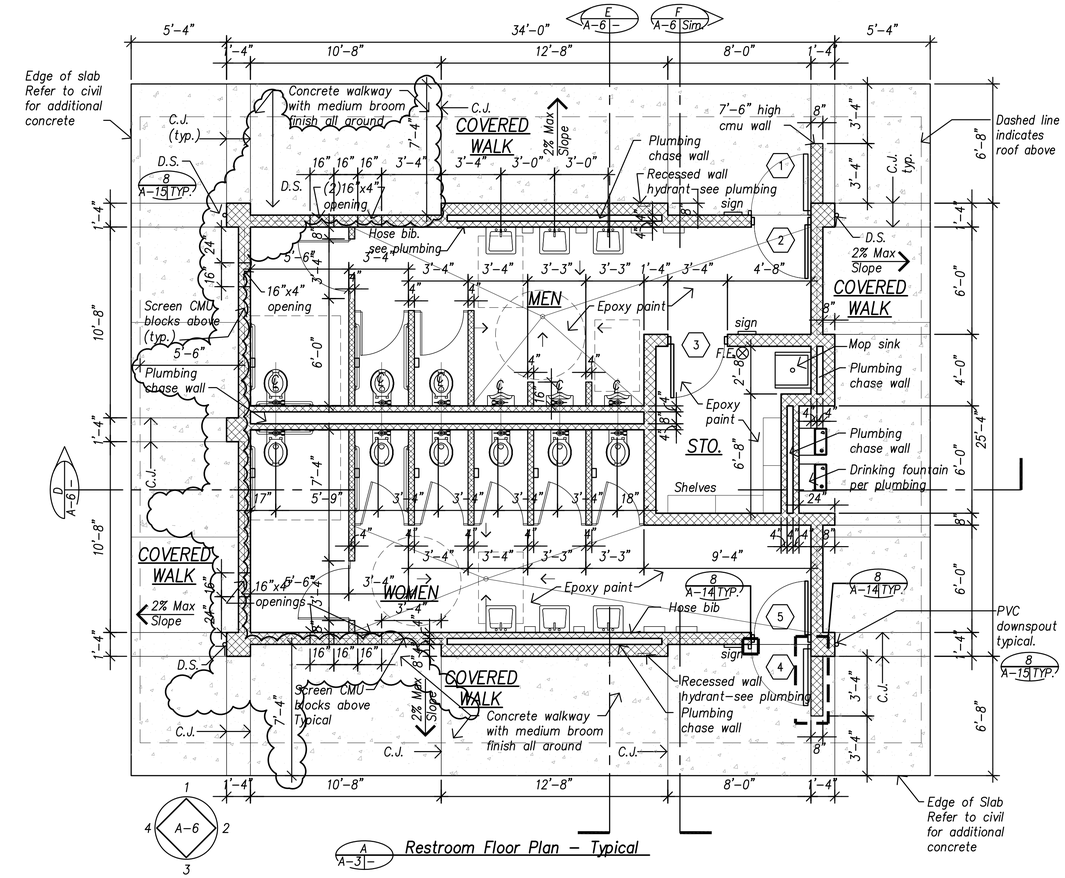
B A–3 – Reflected Ceiling Plan – Typical



C A–3 – Roof Plan – Typical

Sheet Notes

1. All ceiling to be metal ceiling panels.
2. See sheet A/A–12 for accessible heights plumbing fixtures and accessories.
3. See detail 2/A–15 for tubular skylight details.
4. Floor finish and wall finish for Men's, Women's, Storage shall be epoxy paint throughout. See specifications.
5. Exterior concrete finish shall be Medium Broom Finish.
6. All cross slopes on walkways shall be at 2% maximum.
7. All control joints (C.J.) shown on concrete surfaces shall be tooled joints. See structural drawings for locations of expansion joints.
8. See civil site plan for building orientation.
9. Gravel bed base to be 3" think 3/4" minus crushed gravel with a 1" topping of 1/4" minus crushed gravel. 4" total thickness.



A A–3 – Restroom Floor Plan – Typical

Key To Elevations

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: DET A/A–3, DELETE GRAVEL BED. EXTEND CONC. SLAB	17/19	8/26/16	

ALVIN M. YOSHIMORI LICENSED PROFESSIONAL ARCHITECT No. 2714 HAWAII, U.S.A.

LICENSE EXPIRATION DATE: 4-30-2016

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(Observation of Construction as defined in the Hawaii Administrative Rules, Dept. of Commerce and Consumer Affairs, Professional Engineers, Architects, Surveyors and Landscape Architects)

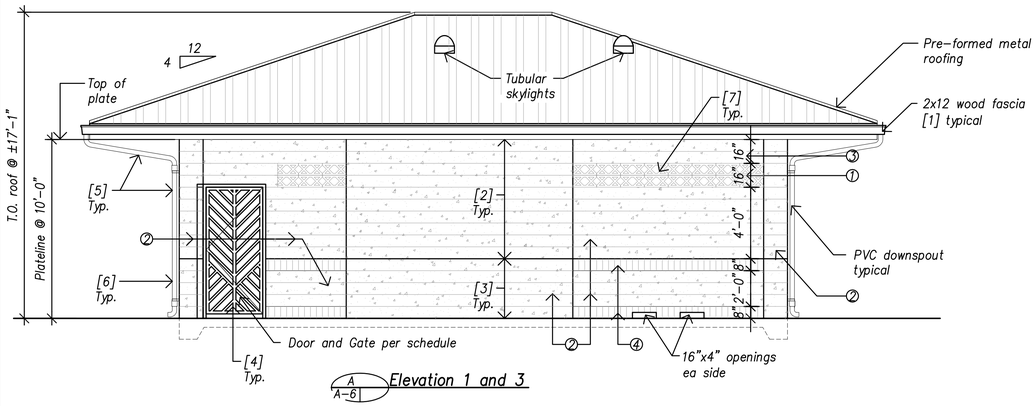
SIGNATURE DATE

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

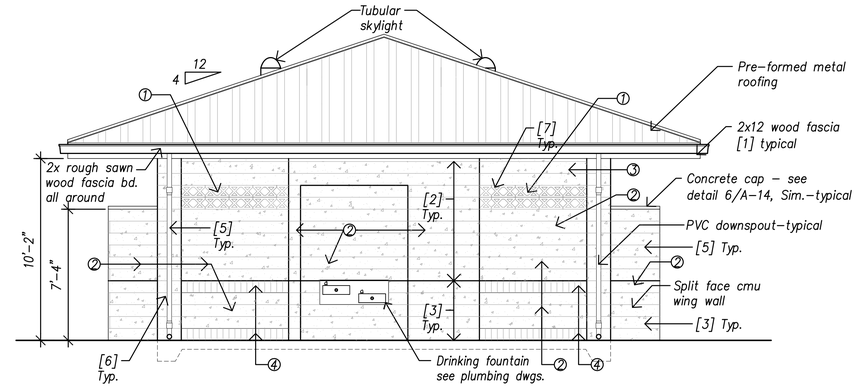
CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

RESTROOM FLOOR, RCP, ROOF PLAN

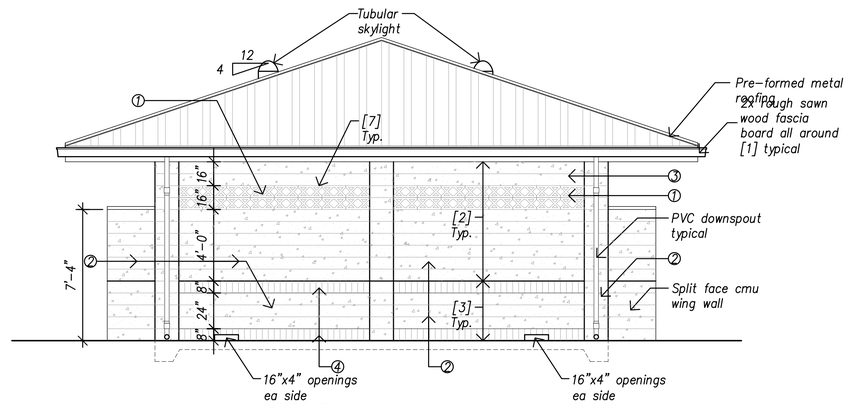
DESIGNED: AY	SUBMITTED: AY
DRAWN: LE, RA	DATE: AUGUST 2016
CHECKED: AY	SCALE: 1/4" = 1'–0"
APPROVED: CHIEF ENGINEER — AUG 2 6 2016 DATE	DRAWING NO. A-3



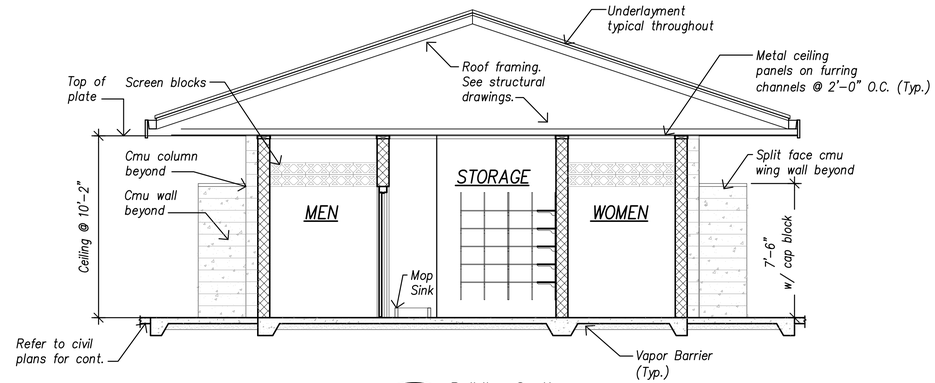
A A-6 Elevation 1 and 3



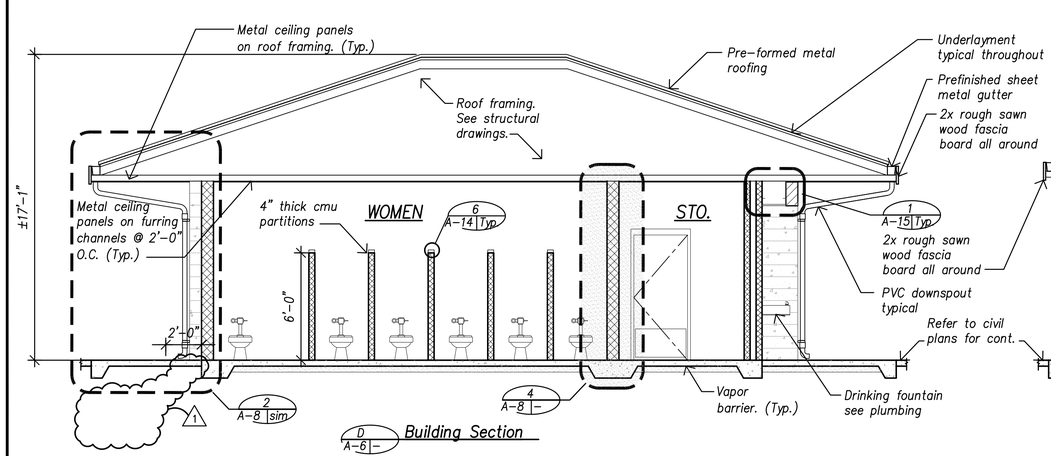
B A-6 Elevation 2



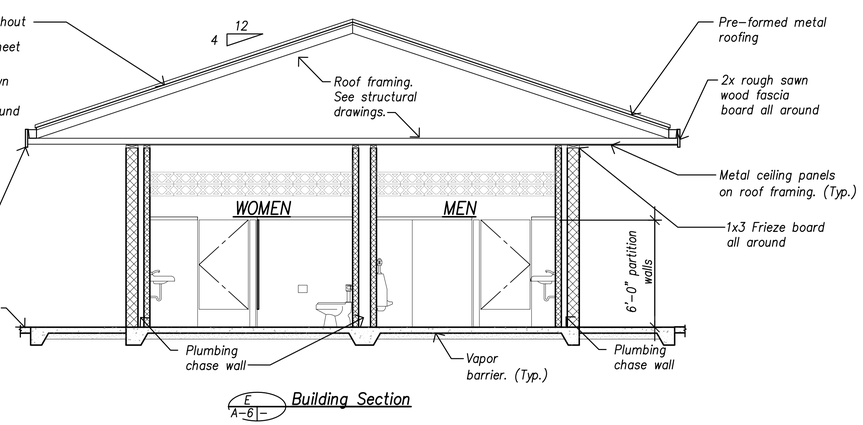
C A-6 Elevation 4



F A-6 Building Section



D A-6 Building Section



E A-6 Building Section

Sheet Notes

1. See sheet A/A-12 for accessible heights.
2. See detail 2/A-15 for tubular skylight detail.
3. See sheet A-13 for sign locations.
4. Painting not required for exterior metal soffit panels, interior ceiling metal panels, doors and door frames.
5. See sheet A-13 for exterior paint schedule and colors.

Legend

① Screen Block
[#] Item to be painted and paint color

Concrete Masonry Unit Legend

① Screen Block
② Split Face One Face
③ Smooth Face
④ Fluted, Split Block

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	ADD 2: DET A-6. DELETE GRAVEL BED. EXTEND CONC. SLAB	18/19	8/26/16	

ALVIN M. YOSHIMORI LICENSED PROFESSIONAL ARCHITECT No. 2714 HAWAII, U.S.A.

LICENSE EXPIRATION DATE: 4-30-2016

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SIGNATURE DATE

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

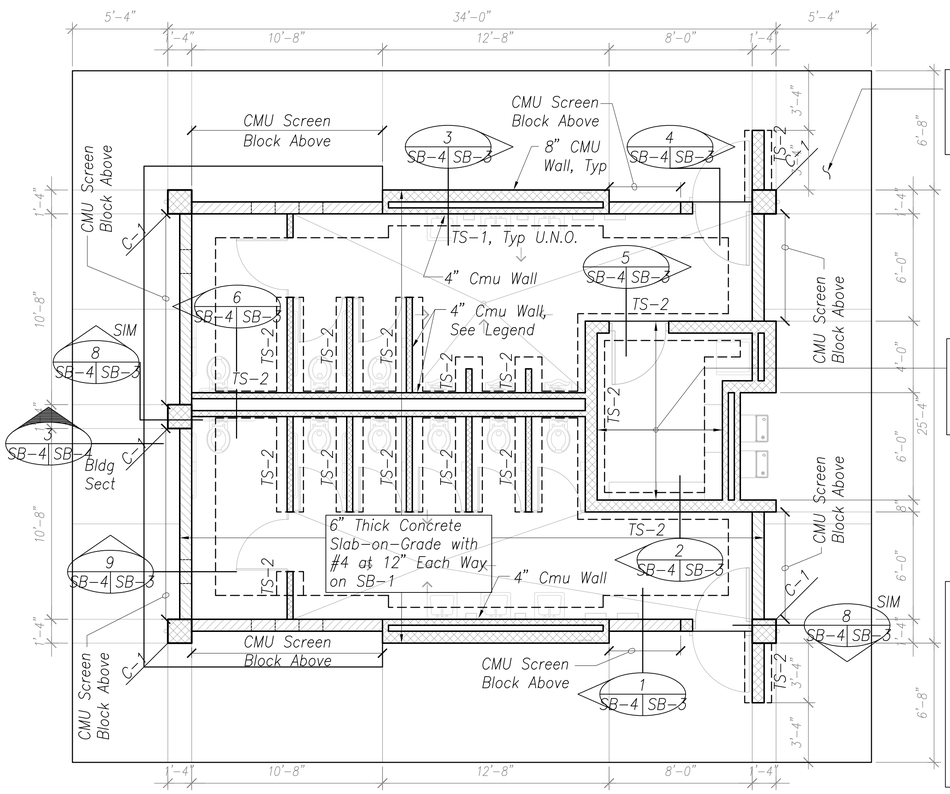
CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

RESTROOM ELEVATIONS & PAINT SCHEDULES

DESIGNED: AY	SUBMITTED: AY
DRAWN: LE, RA	DATE: AUGUST 2016
CHECKED: AY	SCALE: 1/4" = 1'-0"

APPROVED: CHIEF ENGINEER AUG 2 6 2016 DATE

DRAWING NO. A-6



Reference Drawings:
General Notes, see SB-1
Typical Slab-on-Grade Details, see 3/SB-2
Typical Foundation Details, see SB-2
Typical CMU Wall Details, see SB-6

Foundation Notes:
1. Reference elevation 0.00 = finish floor elevation 00.00'.
2. For dimensions not shown, see Architectural Drawings.
3. For waterproofing requirements and details, see Architectural Drawings.

Slab on Grade Notes:
1. Thickness of Slab-on-Grade shown are minimum and shall be maintained at all sloped and depressed areas.
2. For floor elevations, slopes to drain and slab joint locations, see Architectural drawings.

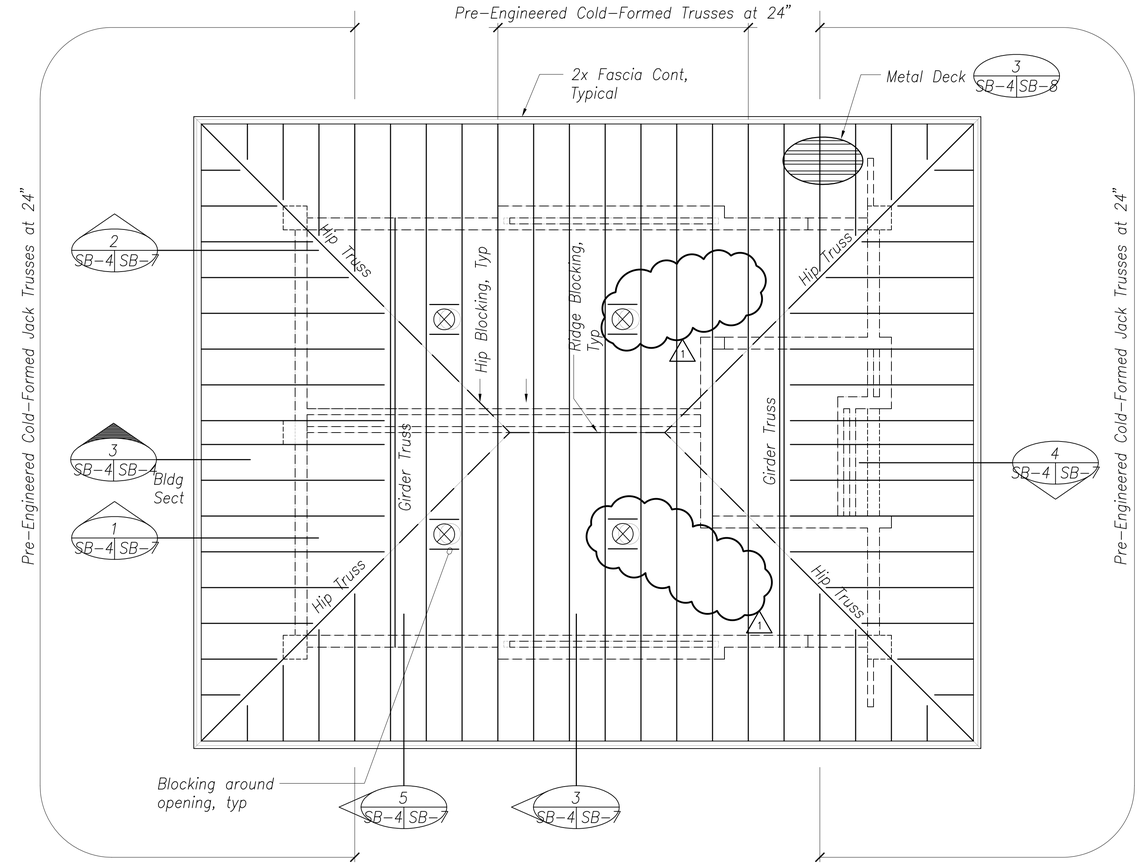
legend

SB-1	Indicates Subgrade Type, see 3/SB-2
TS-1	Indicates Thickened Slab Type, see SB-3
C-1	Indicates Column Type, see SB-3
	Indicates Change in Elevation
	Indicates Full Height CMU Wall
	Indicates Partial Height CMU Wall

Restroom Foundation Plan

1 SB-4 | SB-4

Scale: 1/4" = 1'-0"



Reference Drawings:
General Notes, see SB-1
Truss Elevations, see SB-10

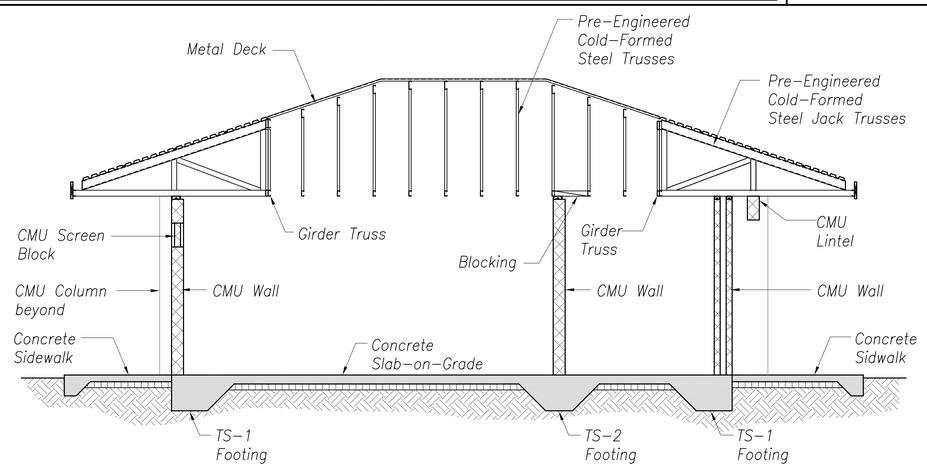
Notes:
1. See Architectural Drawings for Location of Mechanical Openings.

Legend
Indicates CMU Wall Below

Restroom Roof Framing Plan

2 SB-4 | SB-4

Scale: 1/4" = 1'-0"



Restroom Building Section

3 SB-4 | SB-4

Scale: 1/4" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1	1	Add 2 Remove Skylights	19/19	8/26/16	

JONATHAN D MURAI
LICENSED PROFESSIONAL ENGINEER
No. 10979-S
HAWAII, U.S.A.

EXPIRATION DATE OF THE LICENSE 4/30/2018
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

R. M. TOWILL CORPORATION
Planning • Engineering • Environmental Services • Photogrammetry • Surveying • Construction Management
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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 4
WAILUKU, MAUI, HAWAII

RESTROOM FOUNDATION AND ROOF FRAMING PLANS, BUILDING SECTION

DESIGNED: JM	SUBMITTED: --
DRAWN: CADD	DATE: AUGUST 2016
CHECKED: JM	SCALE: AS SHOWN
APPROVED: CHIEF ENGINEER	AUG 2 6 2016 DATE
DRAWING NO.	SB-4

JOB NO. F93C817E

SHEET NO. 44 OF 56 SHEETS

P:\Drafting\2016-08-30_3145 Central Maui Regional Park Phase 4\3145_PH4_SB4_5.dwg, 8/30/2016 7:18:30 AM, Adobe PDF22x36.pc3