

ADDENDUM NO. 2

City of Franklin
Engineering Office
109 Third Avenue South
Franklin, TN 37064

Contract No. 2020-0173
Project Freedom Ballfields

Date of Issuance 8/4/2020

You are directed to make the following changes in the Contract Documents:

Plan Revisions:

1. See Revisions to sheet A7.03, AND C4.02

Specification Revisions:

1. Section 08 71 11 – DOOR HARDWARE

Questions and Clarifications:

1. **Questions: How many Table and Chairs? – Keystone Ridge -Model: PN6-22; Penn Round or square table set with back.**
Answer: Tables and chairs will be located in the building pavilion. The number of tables and chairs shall be as shown on Sheet C1.05.
2. **Questions: The elevation on A3.A5 shows the louvers as being 5'-0" wide by 2'-0" tall (1 louver per elevation). Detail 1 and 3 on A7.03 shows louvers as 2'-6" wide by 2'-0" tall (2 louvers per elevation with wood blocking in between) Please advise on which is correct?**
Answer: The elevation is correct. See revised sheet A7.03.
3. **Questions: Sheet E1.1, Note 3 call for empty conduit with pull strings to the scoreboard for future scoreboard control wiring. Sheet C4.11 calls for a scoreboard with wireless controls. Can these conduits and pull strings be deleted?**
Answer: The conduits should be provided for potential future connections.
4. **Questions: Will the weatherproof switch called out on E1.1 need to be a disconnect switch? Or will a standard snap switch be sufficient?**
Answer: The switch at the scoreboard shall be a weatherproof 120V, 20A rated snap switch.
5. **Questions: Part 2 - Products, 2.2 Panel Board, A - call for Hardi Vertical Siding. The drawings appear to show the Harding Horizontal Lap Siding. Please clarify.**
Answer: Horizontal lap siding shall be used.
6. **Questions: Section 013233 - Project Documentation - this specification has many types of documentation - Please verify which are actually required?**
Answer: Eliminate Section 013233 from the project specification. The owner will complete its own photographic documentation. It is recommended that the Contractor complete its own independent photographic documentation as needed.

- 7. Questions: Section 013233 - Project Documentation - There are many paragraphs where the actual item (type, time frame, etc. has not been chosen. Please clarify**

Answer: Eliminate Section 013233 from the project specification. The owner will complete its own photographic documentation. It is recommended that the Contractor complete its own independent photographic documentation as needed.

- 8. Questions: The concrete paving between the ball fields - On C1.02 it is marked per the Layout Legend as Concrete (Heavy Duty). On Sheet C1.05 when you blow it up, it is marked as Concrete (Light Duty). Please clarify.**

Answer: The area indicated above shall be light duty concrete.

- 9. Questions: Sheet C4.11, Detail 7 - Please provide locations and quantities of the waste receptacle.**

Answer: Include 4 in your bid. Location to be determined in the field.

- 10. Questions: Sheet C4.11, Detail 9 - Please provide locations or quantities of the bench.**

Answer: Include 4 in your bid. Location to be determined in the field.

- 11. Questions: Sheet C4.11, Detail 10 - Please provide locations or quantities of the bike racks.**

Answer: Include 4 in your bid. Location to be determined in the field.

- 12. Questions: Detail 1 Sheet C4.03 - Please provide spacing required for the skate stops.**

Answer: Skate stops shall be spaced approximately 36 inches apart and spaced evenly

- 13. Questions: Guard Rail at Wall Sheet C4.04 - Please provide height and specification for fence at Keystone wall.**

Answer: Ameristar Echelon Majestic 3-Rail shall be used. See Attachment C for height and specification for the fence.

- 14. Questions: Sheets A2.D1 and A2.C1 show trench drains in the batting cages and state to see Civil Drawings. These drains do not show up on any Plumbing drawings or Civil drawings. Please provide sizes, details of construction, specifications and tie-in information to the storm sewer system.**

Answer: Contractors are directed to bid and install a KlassikDrain – KS200 to include a bottom knockout for 6" SCH 40 pipe, stainless steel edge rail channel system, With the grate to be MiniKlassik-Longitudinal Stainless Steel Grate (ADA). Revised drawings will be issued following the award of the Bid. The pipe size and material shall be 6" SCH 40 at minimum slope of 0.5%.

- 15. Questions: Sheet C4.08 shows trench drains in the dugouts. Piping for these drains are not shown on the storm sewer drawings. Please provide piping layout and sizes.**

Answer: Detail 1 on sheet C2.92 is incorrect. The trench drains in the dugouts shall be KlassikDrain – KS200 to include a bottom knockout for 6" SCH 40 Pipe, Stainless Steel Edge Rail Channel System, With the Grate to Be MiniKlassik-Longitudinal Stainless Steel Grate (ADA). Revised drawings will be issued following the award of the Bid. The minimum slope on the trench drain and pipe shall be 0.5%. The layout is shown on Sheet C2.01 and Sheet C2.05.

NOTE: No trench drains are required in the softball dugouts as shown on Sheet C4.08 detail 5.

16. Questions: Please clarify who will be furnishing and installing the scoreboards? Please provide the following for the scoreboard support structure - Footing design, column - size, height, connection to foundation detail and column finish.

Answer: The General Contractor is ultimately responsible for ensuring all elements of the project are coordinated and installed for the entire project. The specified scoreboard manufacturer will provide footing specifications and support structure. GC's should contact Jeff Hamblin at Middle Tenn. Scoreboards contact info: 615-513-9618 or mtscore@gmail.com.

17. Questions: Please provide a description of the temporary site fence / security that will be required.

Answer: See Erosion and Sediment control details. No temporary security fence required by the owner on this job. Contractor solely responsible for jobsite security and safety as determined by the contractor.

18. Questions: HDW set #5, what exactly is needed. Is for Gates and HDW is for a HM Door and Frame opening. If you could get any clarification for this set and the openings (A200/B200) that are in it.

Answer: Hardware HDW Set #5 has been updated. See revised spec section in Attachment B. Gates A200 & B200 to receive updated HDW Set #5 as indicated.

19. Questions: "I looked thru, all standing seam roof bldgs. However, I could not get the spec, even the category says spec section. Anyway I can get the spec for the metal work for SSR, gutter, DS? Thank you."

Answer: These are included in the manual. Please refer to the sections listed below:

074600

077200

055000

074113

20. Questions: "One more thing to point out in the HDW set #4, Best does not make the 35H7F14H any longer. It will have to be replaced with a 45H7TA14H per Best."

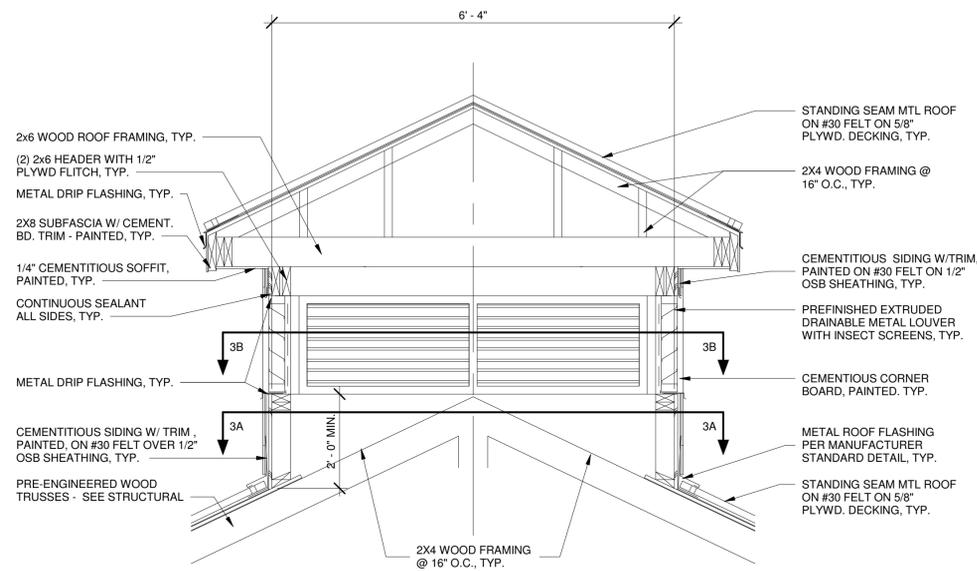
Answer: The basis of design is the 35H7F14H. If this has been discontinued, we will clarify this during the shop drawing submittal process review to select a comparable produce that meets the design intent.

Attachments

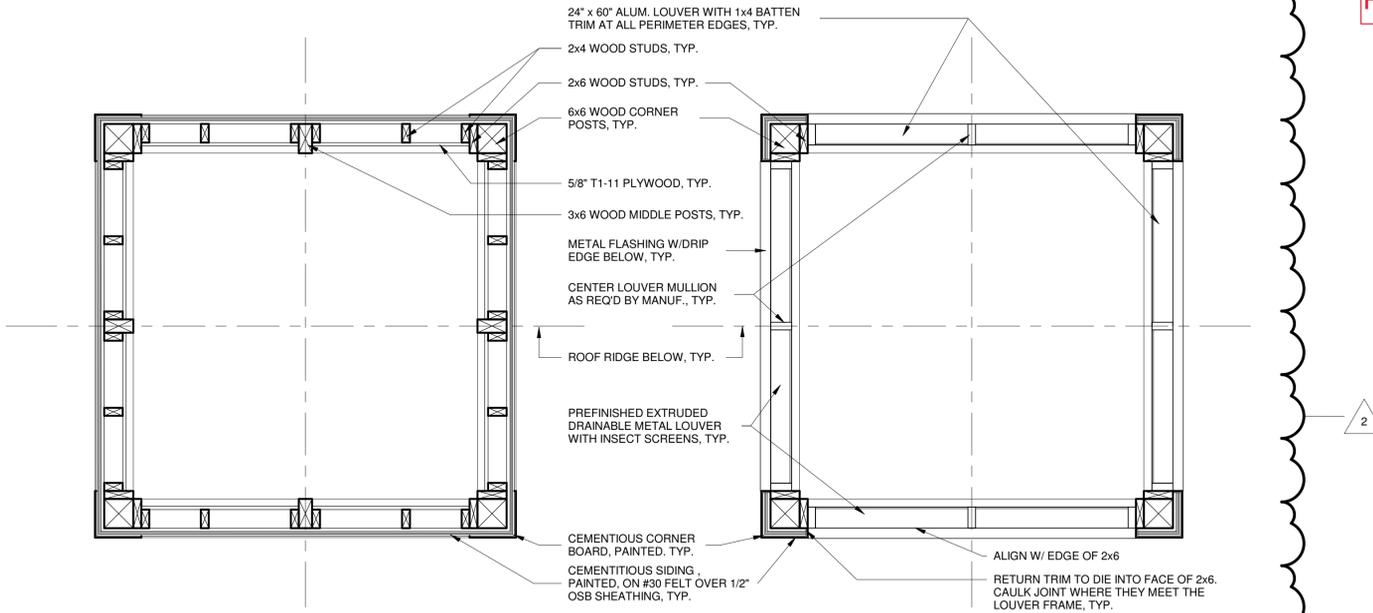
- a. Attachment A – Plan revision to sheets A7.03 and C4.02
- b. Attachment B – Updated Spec 087111- Door Hardware
- c. Attachment C – Ameristar Fence Detail for use with Keystone Segmental Retaining Wall

END of Addendum

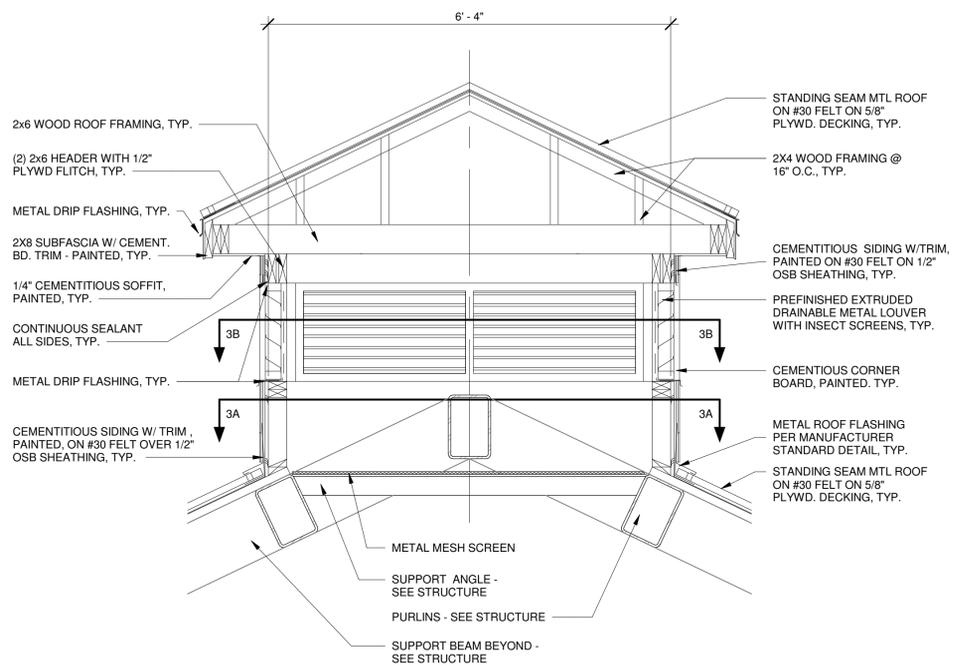
THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.



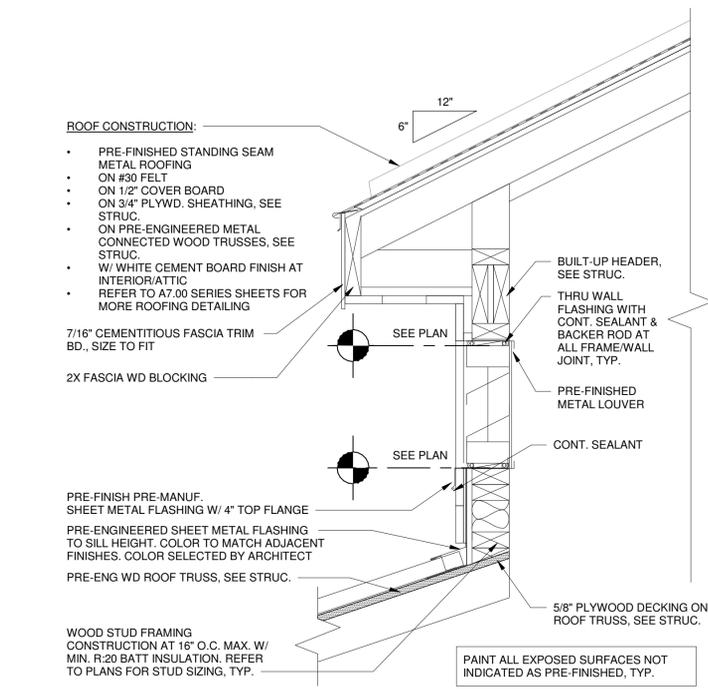
1 CUPOLA SECTION - BUILDING A & B
 A7.03 3/4" = 1'-0"



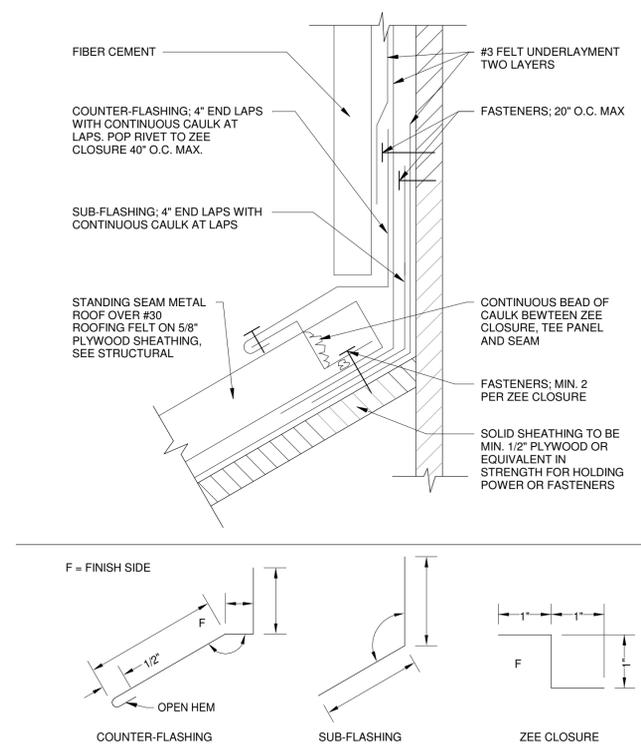
3 CUPOLA ENLARGED PLANS
 A7.03 3/4" = 1'-0"



2 CUPOLA SECTION - BUILDING C & D
 A7.03 3/4" = 1'-0"



4 SECTION THROUGH CUPOLA
 A7.03 1 1/2" = 1'-0"



5 DETAIL - HEAD WALL DETAIL
 A7.03 N.T.S.

FREEDOM BALL FIELDS
 C.O.F. AND F.S.S.D. BALL FIELD CONSTRUCTION
 750 NEW HIGHWAY 96 WEST, FRANKLIN, TN 37064
 PREPARED FOR:
 CITY OF FRANKLIN
 FRANKLIN
 TENNESSEE

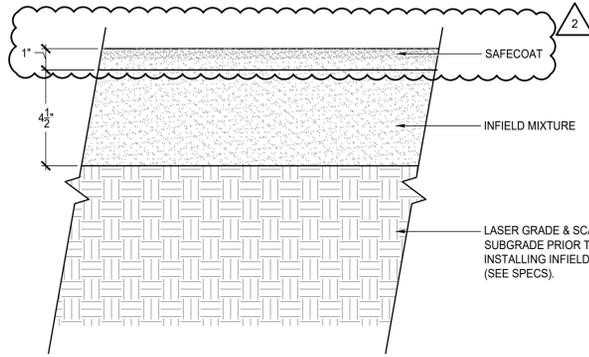
SUBMITTALS / REVISIONS	
NO.	DESCRIPTION
2	07.30.2020 DETAIL UPDATES

SHEET TITLE
DETAILS - CUPOLA DETAILS

PROJECT NO. 18062-1	DATE 03/20/2020
DRAWN BY AS, DA	SCALE
CHECKED BY SG	As indicated
SHEET NO.	

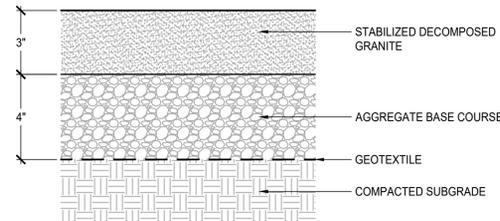


- NOTES:
1. INFIELD MIX TO BE SOUTHERN ATHLETIC 'PREMIERE' MIX WITH SAFECOAT BY STS DISTRIBUTION. CONTACT : RYAN MORIARITY 615.566.9799 (OR APPROVED EQUAL).
2. LASER GRADE & COMPACT TO 95% DRY DENSITY.
3. SUBMIT PRODUCT COLOR AND CUT SHEET FOR APPROVAL PRIOR TO ORDERING.



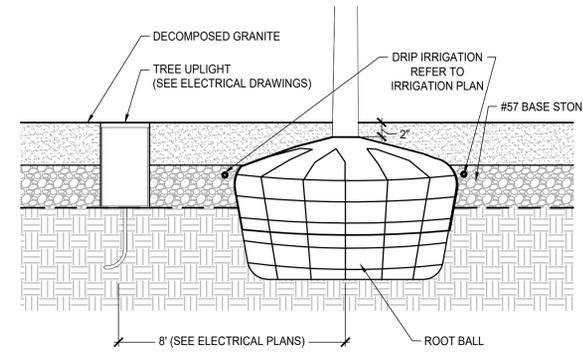
1 SKINNED INFIELD SURFACE
SCALE: NTS

- NOTES:
1. DECOMPOSED GRANITE TO BE GRANITE BY KAFKA GRANITE. CONTACT: NAME NUMBER (OR APPROVED EQUAL).
2. CONTRACTOR TO INCORPORATE STABILIZER MIX WITH GRANITE PRIOR TO PLACING SURFACE.
3. SUBMIT PRODUCT COLOR AND CUT SHEET FOR APPROVAL PRIOR TO ORDERING.
4. INSTALL TREES IN PLACE PRIOR TO INSTALLATION OF STABILIZED DECOMPOSED GRANITE.



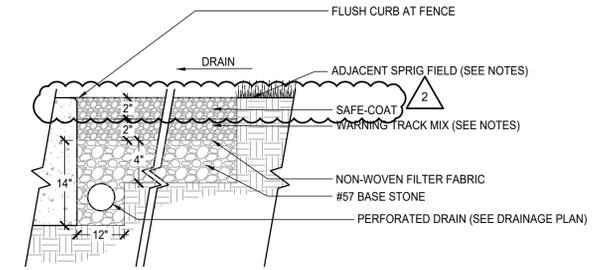
2 DECOMPOSED GRANITE
SCALE: NTS

- NOTES:
1. INSTALL TREES PRIOR TO FINAL INSTALLATION OF CRUSHED AGGREGATE.



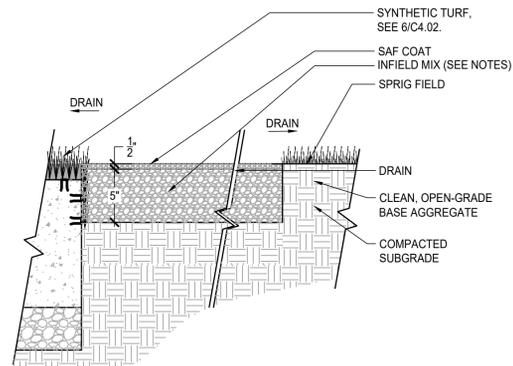
3 TREE AT DECOMPOSED GRANITE
SCALE: NTS

- NOTES:
1. WARNING TRACK MIX TO BE SAF-TRAC MIX BY STS DISTRIBUTION. CONTACT : RYAN MORIARITY 615.566.9799 (OR APPROVED EQUAL).
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS FIELD AND FLUSH CURB.
3. SEE INFIELD MIX DETAIL FOR INSTALLATION AT ARTIFICIAL TURF.



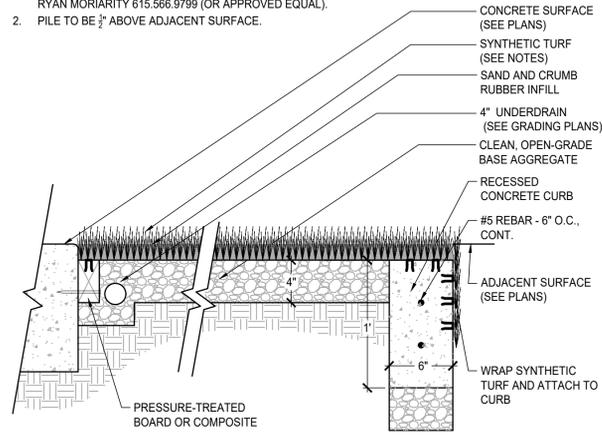
4 WARNING TRACK MIX
SCALE: NTS

- NOTES:
1. INFIELD MIX TO BE SOUTHERN ATHLETIC 'PREMIERE' MIX BY STS DISTRIBUTION. CONTACT : RYAN MORIARITY 615.566.9799 (OR APPROVED EQUAL).
2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE ACROSS FIELD AND FLUSH CURB.
3. CONTRACTOR TO HOLD EDGES AS VERTICAL AS PRACTICAL AND HOLD CRISP AND CLEAN TRANSITIONS BETWEEN MATERIALS.



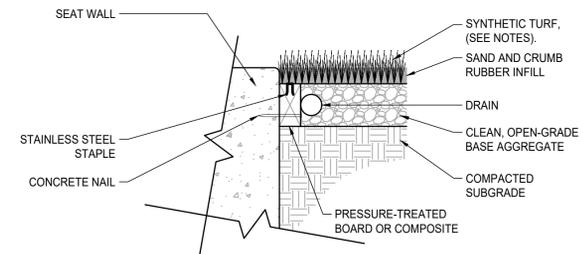
5 INFIELD MIX AT ARTIFICIAL TURF
SCALE: NTS

- NOTES:
1. INFIELD SYNTHETIC TURF TO BE SPORTTURF POWERHOUSE 44T (1-3/4") PILE HEIGHT BY STS DISTRIBUTION. CONTACT : RYAN MORIARITY 615.566.9799 (OR APPROVED EQUAL).
2. PILE TO BE 1/2" ABOVE ADJACENT SURFACE.



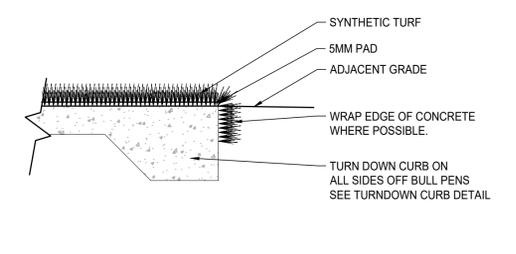
6 TURF SURFACE AT INFIELD HIPS
SCALE: NTS

- NOTES:
1. TURF SURFACE TO BE PEDIGREE 'XM', 1-1/2" BY STS DISTRIBUTION. CONTACT : RYAN MORIARITY 615.566.9799 (OR APPROVED EQUAL).
2. DRAWING PROVIDED AS BASIS OF DESIGN FOR BID PURPOSES ONLY. CONTRACTOR SHALL INSTALL SYSTEM PER MANUFACTURER'S SPECIFICATIONS.

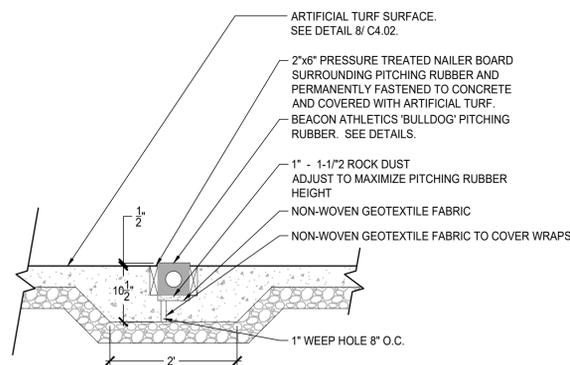


7 TURF SURFACE AT SEAT WALL
SCALE: NTS

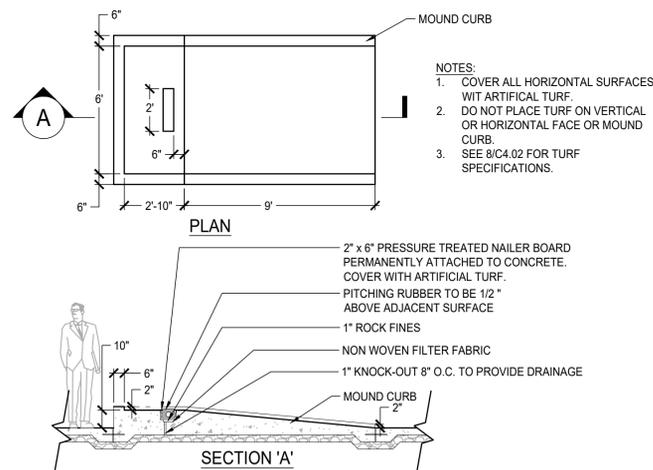
- NOTES:
1. SYNTHETIC TURF TO BE DURA PLAY 'PREMIER' BY STS DISTRIBUTION. CONTACT : RYAN MORIARITY 615.566.9799 (OR APPROVED EQUAL).
2. INSTALL PER MANUFACTURER RECOMMENDATIONS.
3. PROVIDE IN BASEBALL AND SOFTBALL BULL PENS.



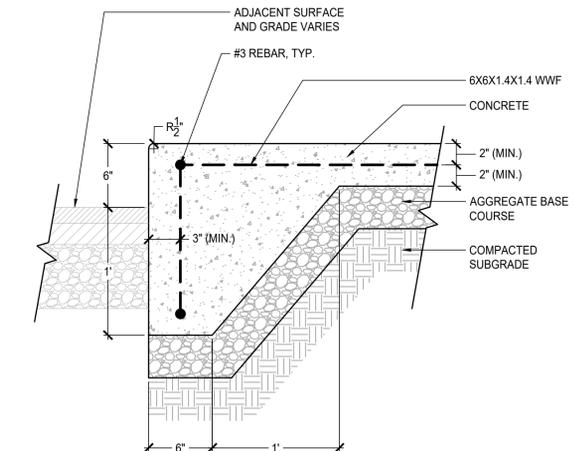
8 TURF AT CONCRETE (BULLPENS AND BATTING CAGES)
SCALE: NTS



9 PITCHING RUBBER AT CONCRETE (SOFTBALL BULLPEN)
SCALE: NTS



10 PITCHING RUBBER AT CONCRETE (BASEBALL BULLPEN)
SCALE: NTS



11 CONCRETE CURB (TURNDOWN)
SCALE: NTS

SUBMITTALS / REVISIONS		
NO.	DATE	DESCRIPTION
▲	07/24/2020	MATERIALS, GATE SIZES, IRRIGATION
▲	07/30/2020	DETAIL UPDATED

SHEET TITLE
DETAILS

PROJECT NO. 18062-1	DATE 05/08/2020
DRAWN BY JG	SCALE AS SHOWN
CHECKED BY JG	
SHEET NO.	

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SECTION 08 71 11 - DOOR HARDWARE

PART 1 – GENERAL

1.1 SCOPE:

- A. Provide all of the labor, materials, equipment and services required to furnish and install the finish hardware.
 - 1. Items not specifically mentioned, through necessary to the completion of the Work, shall be provided and shall be of equal quality and design to those specified items.
 - 2. No extras will be allowed unless covered by a written order issued by the Owner and the Architect.
 - 3. The Contractor to whom the hardware award is made is responsible for providing templates and all necessary information pertaining to the installation of the hardware.

1.2 QUALITY ASSURANCE:

- A. Conform to the following:
 - 1. American National Standards Institute (ANSI)
 - 2. American Society of Hardware Consultants (ASHC)
 - 3. Builders Hardware Manufacturers Association (BHMA)
 - 4. Federal Specifications (FS)
 - 5. National Builders Hardware Association (NBHA)
- B. Supplier: A recognized ASHC member who has been furnishing hardware in the Project's vicinity for a period of not less than 2 years, and who is, or employs an experienced hardware consultant who is an ASHC member who is available, at reasonable times during the course of the Work, for consultation about Project's hardware requirements, to Owner, Architect and Contractor.
- C. Review by ASHC member: The ASHC member shall be present at completion of the Work, shall check the installation of all finish hardware, shall make all minor adjustments required and supervise all hardware replacements required, and shall make a written report to the Architect on completeness of the installation and that all hardware is in optimum working conditions.
- D. Fire-rated openings:
 - 1. Provide hardware for fire-rated openings in compliance with NFPA Standard No. 80. Provide only hardware which has been tested and listed by UL for types and sizes of doors required and complies with requirements of door and door frame labels.
 - 2. Where emergency exit devices are required on fire-rated doors, provide UL label on exit devices indicating "Fire Exit Hardware".
 - 3. Comply with UL 10-C requirements.
- E. All hardware shall be provided in accordance with the requirements of the Americans with Disabilities Act (ADA).

1.3 SUBMITTALS:

- A. Prior to installation, submit to the Architect for review the following:
 - 1. A complete list of all finish hardware proposed to be furnished for this Work, giving manufacturer's name and catalog number for each item. This shall in no way be construed as permitting substitutions of items for the items specified.
 - 2. This list shall be accompanied by illustrations and physical samples of the materials proposed to be furnished.

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3. Maintenance manual: Provide maintenance manual for all items of hardware. See Division 01 Section "Submittal" for type of manual.

1.4 PRODUCT HANDLING:

A. Packaging:

1. Furnish all finish hardware with each unit clearly marked or numbered in accordance with the hardware schedule.
2. Pack each item complete with all necessary pieces and fasteners.
3. Properly wrap and cushion each item to prevent scratched during delivering and storage.

- #### B. Delivery:
- Deliver all finish hardware to the installers in a timely manner to ensure orderly progress of the total Work.

1.5 JOB CONDITIONS:

- #### A. Coordination:
- Coordinate hardware with other work. Tag each item or package separately, with identification related to the final hardware schedule, and include basic installation design for use on doors and frames of the thicknesses, profile, swing, security and similar requirements indicated, as necessary for proper installation and function. Deliver individually packaged hardware items at the proper times to the proper locations (shop or Project site) for installation.

- #### B. Template:
- Furnish to any and all affected Trades all required templates, reinforcing units, and information as necessary to properly reinforce, drill and tap as required for proper attachment and anchorage, where necessary, physical templates shall be furnished.

PART 2 – PRODUCTS

2.1 APPROVED MANUFACTURERS:

- #### A.
- It is the intention of this Specification to indicate materials of the best of their respective kinds. Comparative equals a produced by manufacturers other than those listed will be accepted, subject to conditions of this Specification, provided approval is received from the Architect.

2.2 FASTENERS:

- #### A.
- Furnish all finish hardware with all necessary screws, bolts, and other fasteners of suitable size and type to anchor the hardware in position for long life under hard use.
- #### B.
- Furnish fastenings where necessary with expansion shields, toggle bolts, sex bolts, and other anchors approved by the Architect, according the materials to which the hardware is to be applied the recommendations of the hardware manufacturer.
- #### C.
- All fastenings shall harmonize with the hardware as to material and finish.

2.3 FINISH:

- #### A.
- As specified in the hardware sets.
- #### B.
- Door closers and brackets shall have commercial sprayed finish to match other hardware.

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2.4 KEYING:

- A. All locks shall be Grand Master keyed, and Master keyed as directed by the Architect. All cylinders shall be of brass and/or bronze alloy metal. Only cylinders having six active pins and nickel silver keys will be acceptable. Furnish two change keys per cylinder six Master keys each set and six Grand Master keys.
- B. Key into the Owner's existing Best system.

2.5 BUTT HINGES:

- A. Provide hinges that are certified as meeting ANSI 156.7 Grade 1 requirements.
- B. Provide in non-ferrous material for all exterior doors. All interior doors, unless otherwise indicated in the hardware sets, shall be manufactured of steel, plated to match adjacent hardware.
- C. Approved manufacturers:
 - 1. Hager
 - 2. McKinney
 - 3. Stanley
 - 4. Lawrence

2.6 CYLINDRICAL LOCKSETS:

- A. Locks shall be certified as meeting ANSI A156.2 1976 Grade 1 requirements. Where required and specified in hardware sets, non-ferrous locksets shall have stainless steel chassis. Locks shall be regularly furnished for 1-3/8" to 2" doors, available for doors up to 2-1/2" thick. Locks shall be listed for all classes labeled doors.
- B. Approved manufacturers:
 - 1. Best. No substitutions.

2.7 MANUAL FLUSH BOLTS:

- A. Provide flush bolts that are certified as meeting ANSI 156.16 Grade 1 requirements.
- B. Approved manufacturer:
 - 1. Hager
 - 2. Ives
 - 3. Quality
 - 4. Trimco
 - 5. Baldwin

2.8 BORED AUXILIARY DEADLOCK

- A. Provide deadlocks that are certified as meeting ANSI 156.5 Grade 1 requirements.

2.9 DOOR STOPS:

- A. Provide stops that are certified as meeting ANSI 156.16, Grade 1 requirements
- B. Wall stops shall be furnished whenever possible. Where wall stops cannot be used effectively, floor stops shall be used as applicable.
 - 1. Hager 236W-Wall; 241F-Floor

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2. Ives: 436; 438; 407-1/2.
3. Trimco: 1210; 1212; W1274CCS.
4. Glynn Johnson: FB13; FB14: WB50XT.

2.10 EXTERIOR STOPS AND HOLDERS:

- A. Approved manufacturers:
1. Hager 241F
 2. Trimco (specified numbers)
 3. Glynn Johnson
 4. Quality

2.11 ROLLER BUMPERS:

- A. Where the openings of two doors interfere with each other, 6-inches roller bumpers shall be furnished.
1. Hager: 272W
 2. Ives: 472
 3. Trimco: 1244-6

2.12 DOOR CLOSERS:

- A. Provide closers that are certified as meeting ANSI 156.4 Grade 1 requirements.
- B. Closers shall be rack and pinion construction with both rack and pinion of heat treated steel. Case shall be cast hydraulic iron. Closing the door shall be controlled with fully adjustable backcheck. Valves shall be of needle valve type and concealed against unauthorized adjustment. Where delayed action closer are specified, indicate had of door to insure valve will be positioned at top of closer for concealment. Closers shall be surface applied with rectangular cover, projection not over 2/3/4" and capable of being applied on 1-3/4" top rail or top jamb for inverted mounting. All closers shall be covered by a written 5 year guarantee from manufacturer.
- C. Approved manufacturers:
1. Yale
 2. Corbin-Russwin
 3. Sargent
 4. LCN

2.13 PUSH PLATE:

- A. Shall be 16 ga. B & S .050.
1. Hager: 30S
 2. Quality: 40-4 x 16.
 3. Trimco: 1001-3

2.14 PULL PLATE:

- A. Plate to match push. Pull to be 6" center to center.
1. Hager: 36N
 2. Quality: 400-4 x 16.
 3. Trimco: 1010-3.

2.15 RIM EXIT DEVICE:

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- A. Provide rim exit devices that are certified as meeting ANSI 156.3 Grade 1 requirements.
- B. Provide Rim Exit Device
 - 1. For doors with electric strikes indicated: Von Duprin 22NL Rim Exit Device with Best lock cylinders.

2.16 DOOR SILENCERS:

- A.
 - 1. Hager 307D; Provide 3 for each single door and 2 for each pair of doors.

2.17 THRESHOLDS AND WEATHERSTRIPPING:

- A. Provide thresholds and weather stripping that are certified as meeting ANSI 156.22 Category "J" for Weatherstripping and ANSI 156.21 Category "J" requirements for thresholds.
- B. Approved manufacturers:
 - 1. National Guard (specified numbers)
 - 2. Pemko
 - 3. Zero

2.18 LATCH GUARDS

- A. Provide 7" heavy duty, Stainless Steel finish latch guard where designated in hardware sets. All exterior door to have latch guard.
- B. Approved manufactures:
 - 1. MAG Engineering and Manufacturing 8848-S
 - 2. Taylor Security & Lock CLP-110
 - 2. Don-Jo BLP-107

2.19 KEY CABINET:

- A. Provide complete with all systems components and instructions. Cabinet capacity shall be to 50% in excess of actual requirements.
- B. Approved manufacturer: Telkee.

PART 3 – EXECUTION

3.1 INSTALLATION:

- A. Mount hardware units at heights indicated in "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute, except as specifically indicated or required to comply with governing regulations, and except as many be otherwise directed by Architect.
- B. Install each hardware item in compliance with the manufacturer's instructions and recommendations. Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, coordinate removal, storage and reinstallation or application of surface protection with finishing work specified in the Division 9 sections. Do not install surface-mounted items until finishes have been completed on the substrate.

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- C. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- D. Drill and countersink units which are not factory-prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

3.2 ADJUST AND CLEAN:

- A. Adjust and clean each operating item of hardware and each door, to ensure proper operation or function of every unit. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.
- B. Final adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy of a space or area, return to the work during the week prior to acceptance or occupancy, and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.
- C. Instruct Owner's Personnel in proper adjustment and maintenance of hardware and hardware finishes, during the final adjustment of hardware.
- D. Continued maintenance service: Approximately six months after the acceptance of hardware in each area, the Installer, accompanied by the representative of the latch and lock manufacturer, shall return to the project and re-adjust every item of hardware to restore proper function of doors and hardware. Consult with and instruct Owner's personnel in recommended additions to the maintenance procedures. Replace hardware items which have deteriorated or failed due to faulty design, materials or installation of hardware units. Prepare a written report of current and predictable problems (of substantial nature) in the performance of the hardware.

3.3 HARDWARE SCHEDULE:

FINSHES

BUTT HINGES	US26D, BHMA 626
LOCKSET	US26D, BHMA 626
STRIKES	US26D, BHMA 626
EXIT DEVICES	US32D
RIM CYLINDERS	US26D, BHMA 626
RIM EXIT DEVICE	SP28, BHMA 689
ELECTRONIC STRIKE	US32D
DEADBOLTS	US26D, BHMA 626
DOOR CLOSERS	SP28, BHMA 689
PUSH/PULL PLATES	US32D
DOOR STOPS	US32D
FLUSH BOLTS	US26D, BHMA 626
SILENCERS	VINYL GREY
LATCH GUARD	US26D

<u>HINGES</u>	<u>HAGER</u>	<u>McKINNEY</u>
INTERIOR DOOR 36" AND UNDER	BB1191SH 4.5 X 4.5;	TA2714 4.5 X 4.5
INTERIOR DOORS OVER 36"		T4A3786 4.5 X 4.5
EXTERIOR DOORS 36" AND UNDER		TA2314 NRP 4.5 X 4.5

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EXTERIOR DOORS OVER 36"

T4A3386 NRP 4.5 X 4.5

STOPS

WALL STOPS 236W
FLOOR STOPS 242F

WHERE POSSIBLE WALL MTD.
WHERE WALL MTD. NOT POSSIBLE.

SILENCERS:

SUPPLY 3 SILENCERS 307D
SUPPLY 2 SILENCERS 307D

EACH "SINGLE" DOOR
EACH "PAIR" DOORS

LOCKS TRIM

BEST 14D

MOUNT DOOR CLOSERS "PARALLEL ARM" ON INSIDE FACE OF OUTSWING DOORS

MANUFACTURER LIST

1. HAGER
2. BEST – NO SUBSTITUTION
3. YALE
4. NATIONAL GUARD
5. RIXSON
6. MAG
7. VON DUPRIN

HARDWARE SCHEDULE

SET 1

Concession (exterior), Scoring (exterior), Electrical (exterior), Utility (exterior), IT (exterior)

MFG.

1	3 HINGES	BB1191SH - 4.5 x 4.5	US26D
2	1 LOCKSET-CLASSRM	93K7R14C	US26D
3	1 CLOSER	3521	SB
4	1 THRESHOLD	896V	AL
4	1 SET W'STRIP	160	AL
6	1 LATCHGUARD	8848-S	

SET 2

Pantry (interior)

1	3 HINGES	BB1279 - 4.5 x 4.5	US26D
2	1 LOCKSET, CLASSRM	93K7R14C	US26D
3	1 CLOSER*	3501**	SB
1	3 SILENCERS	307D	

* Provide closer if door is outswing in the direction of exit or encroaching exit clearance.

** Hold open is not allowed for outswing in the direction of exit or encroaching exit clearance.

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SET 3

Restroom (exterior), Family (exterior)

1	3 HINGES	BB1191SH - 4.5 x 4.5	US26D
2	1 DEADLOCK	83T7S	US26D
1	1 PUSH-PLATE	30S – 4x16	US32D
1	1 PULL-PLATE	36N – 4x16	US32D
3	1 CLOSER	3521	SB
1	3 SILENCERS	307D	
4	1 THRESHOLD	896V	AL
4	1 SET W'STRIP	160	AL
6	1 LATCHGUARD	8848-S	

SET 4

Storage (exterior)

1	6 HINGES	BB1279 - 4.5 x 4.5	US26D
2	1 LOCKSET	35H7F14H	US26D
1	2 FLUSH BOLTS	282D	US26D
3	2 CLOSERS	3521	SB
4	1 THRESHOLD	896V	AL
4	1 SET W'STRIP	160SA	AL
6	1 LATCHGUARD	8848-S	

SET 5 - GATES

Mechanical (exterior)

1	CONT. PIANO HINGE	EXTERIOR RATED HEAVY DUTY 0.060" THICKNESS ALUMINUM CONTINUOUS PIANO HINGE (0.120" PIN DIAMETER)
1	LATCH	EXTERIOR RATED HEAVY DUTY SELF-CLOSING STAINLESS STEEL GATE LATCH

HARDWARE SET

DOOR #	HARDWARE SET #.
A100A	SEE OVERHEAD DOOR SPECIFICATION
A100B	SEE OVERHEAD DOOR SPECIFICATION
A101A	1
A101B	1
A102	2
A103A	4
A103B	4
A104	1
A105	1
A106	1
A200	5
B101	3
B102	3
B103	3

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B104
B105
B200

4
1
5

E100

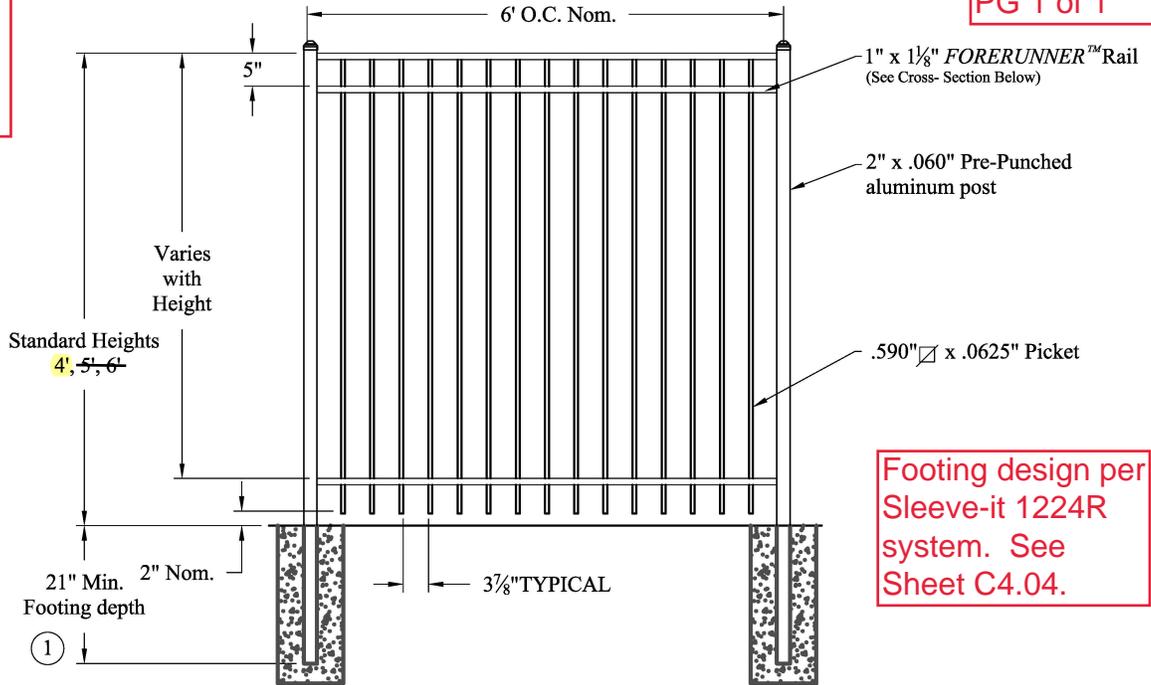
1

END OF SECTION 08 71 11

Fence to be installed with Keystone segmental retaining wall. See sheet C4.04.

COF 2020-0173
Addendum 2
Attachment C
PG 1 of 1

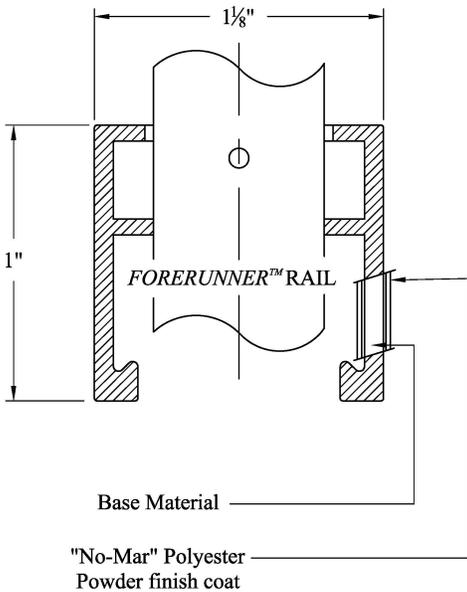
Finish shall be powder coating black by manufacture.



Footing design per Sleeve-it 1224R system. See Sheet C4.04.

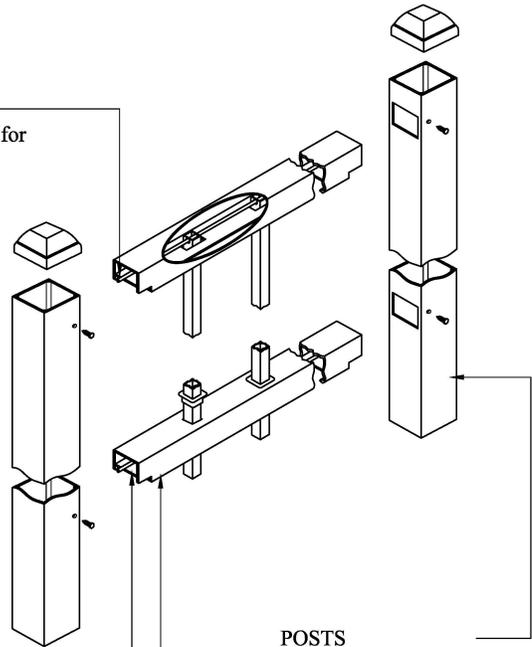
NOTES:

1. Post footing available in 21" or 33" depths.



INTERNAL RETAINING ROD

Variable pitch connection system for ease of installation, high angle bias ability and elimination of unsightly external fasteners.



INTERIOR GUIDE CHANNEL
Channel forms lower limit of raceway for retaining rod and allows for high angle bias ability.

FORERUNNER™ RAIL
"U"-Channel specially formed high strength architectural shape.

Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

MISO

Title: **ECHELON MAJESTIC 3-RAIL**

DR: CI SH . 1 of 1 SCALE: DO NOT SCALE

CK: ME Date 6/25/10 REV: b



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