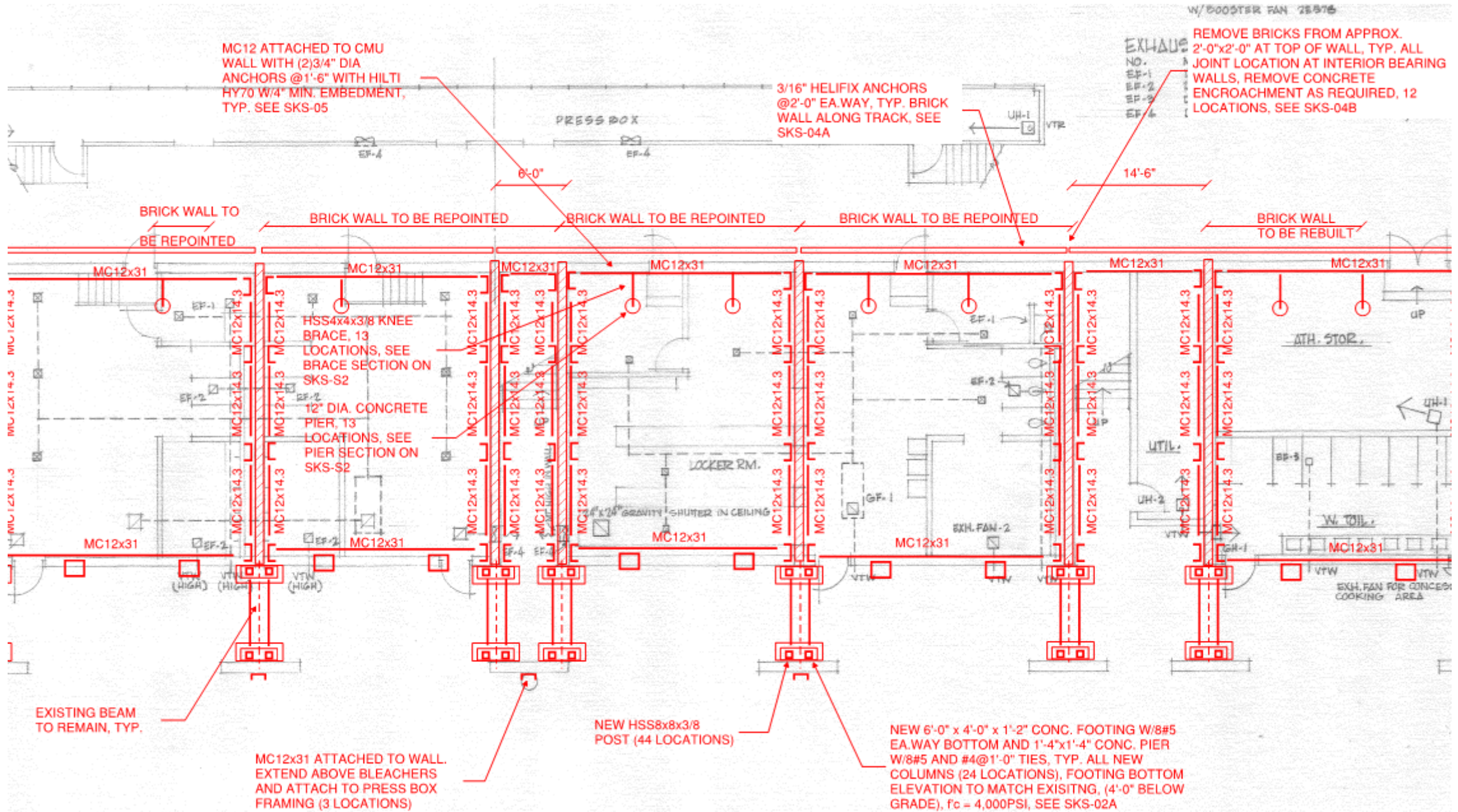
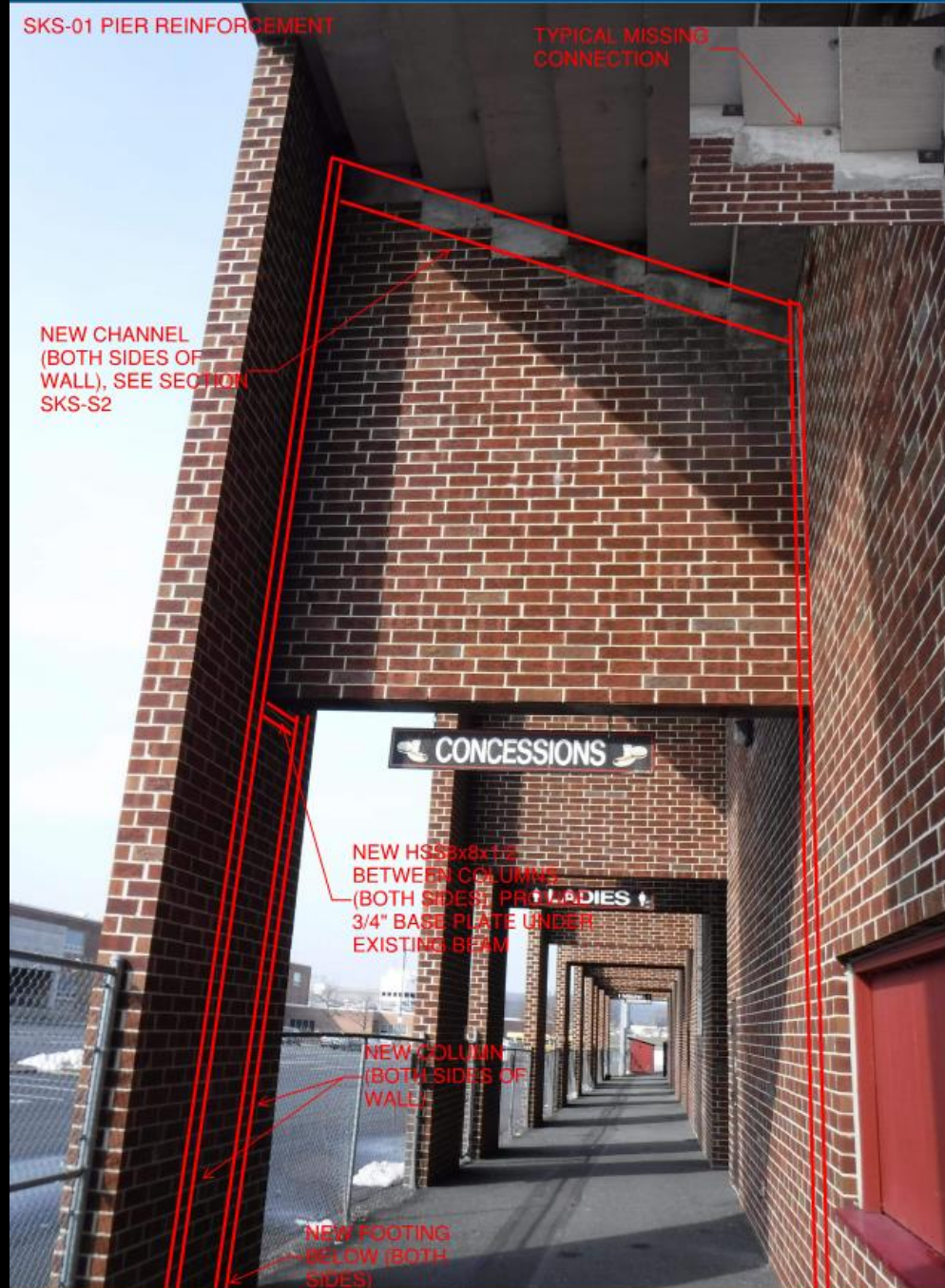


STADIUM REPAIRS – Summary

1. Reinforcing steel in tight space
 - a) Columns & beams
 - b) Channels
 - c) Wall bracing
 - d) Angle clips
2. Added concrete fdns in tight space
3. CMU reinforcement & bracing
4. Brick repair/replacement









NEW CHANNEL
ATTACHED TO WALL AND
CONNECTED TO PLANK
EMBED PLATE

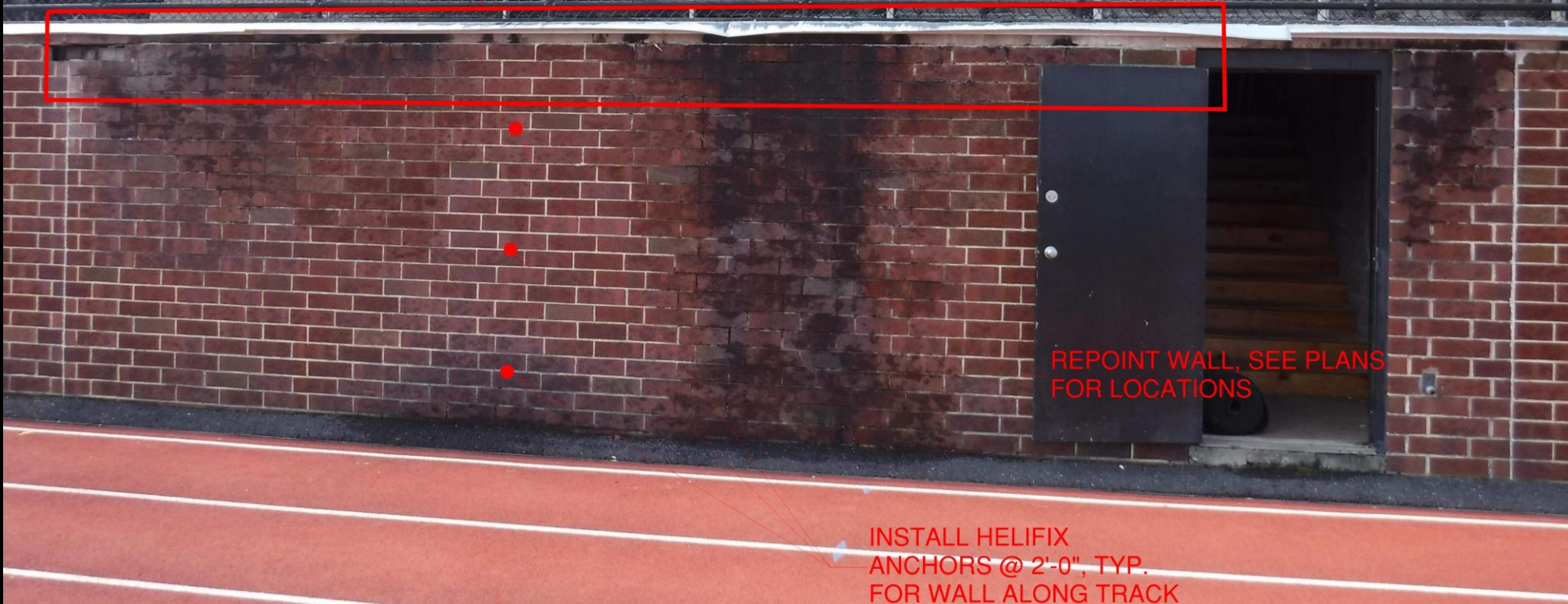
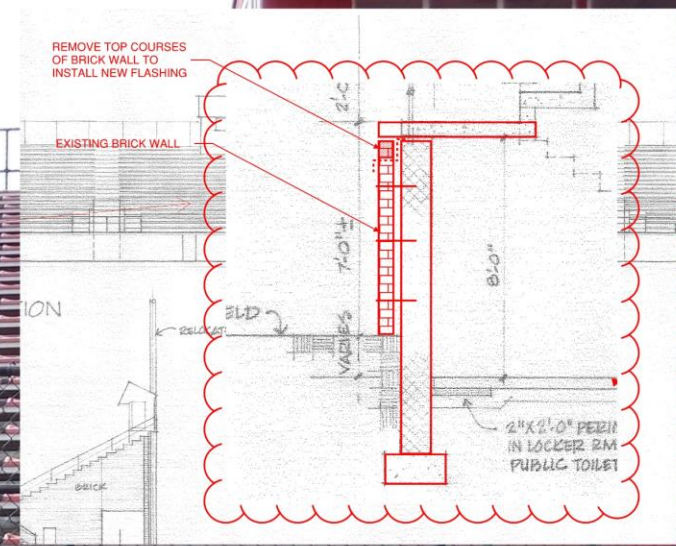
The photograph shows a concrete ceiling and wall. Red lines and circles are drawn over the image to indicate construction details. Red lines trace the path of a new channel and its connection to existing embed plates. Red circles mark the locations for rebar installation in the CMU blocks. Red arrows point from the text labels to the corresponding features in the image.

CONNECT CHANNEL
TO EXISTING EMBED
PLATES

ALT. DETAIL: OPEN CMU
BLOCK AND INSTALL #5
REBAR @ 36", GROUT SOLID

SKS-04A BRICK WALL REPAIRS (ALONG TRACK)

REMOVE TOP COURSES OF BRICK AS REQUIRED TO INSTALL NEW FLASHING



STADIUM REPAIR – *Tight Access*



STADIUM REPAIR – *Tight Access*



STADIUM REPAIR - *Exclusions*

1. *Plank replacement*
2. *ADA upgrades*
3. *Concession upgrades*
4. *Restroom upgrades*
5. *Waterproofing*
6. *Improvements to other 33-year-old components*

STADIUM REPAIR COST OPINION - *Qualifiers*

1. Based on conceptual sketches – *not final design*
2. Repairs as sketched – *no hidden conditions*
3. Concrete planks *as-is*
4. All other 33-year-old components *as-is*
5. Steel, concrete, etc. *in today's dollars*
6. Actual costs TBD > detailed dwgs & specs bid
 - No control over labor cost/availability, equip., materials, or market conditions
 - No warranty, express or implied, that bids will not vary from opinion

STADIUM REPAIR COST OPINION - *Drivers*

1. **Tight access / hand work**
2. Steel columns, bracing, angles, plates, clips, framing
3. Pier/footer excavation & backfill, off-site disposal
4. Concrete footers w/rebar
5. CMU/Brick repair/replacement
6. Brick repointing
7. Joint caulk
8. Remove/repl. electrical in const. path



STADIUM REPAIR COST OPINION (Boyle Construction)

1	Concrete & Paving		917,800	
2	Fencing		5,000	
3	Masonry		153,253	
4	Steel		1,000,865	
5	Electrical		26,250	
				2,103,168
6	General Cond.		110,000	
				2,213,168
7	Contingency	5.00%	110,658	
				2,323,826
8	Ins., Tax, Fringes	0.51%	11,852	
				2,335,678
9	OH&P	+/- 8%	184,322	
	Total Cost Opinion			2,520,000

Per Isett's 4/17/2018 sketches (15), site visits, subcontractor budgets

OTHER STADIUM REPAIR COSTS

Plank destructive testing & analysis *	\$ 40,000
Final design	\$ 40,000
Bid phase	\$ 4,000
Construction phase	\$ 43,000
Subtotal	\$127,000

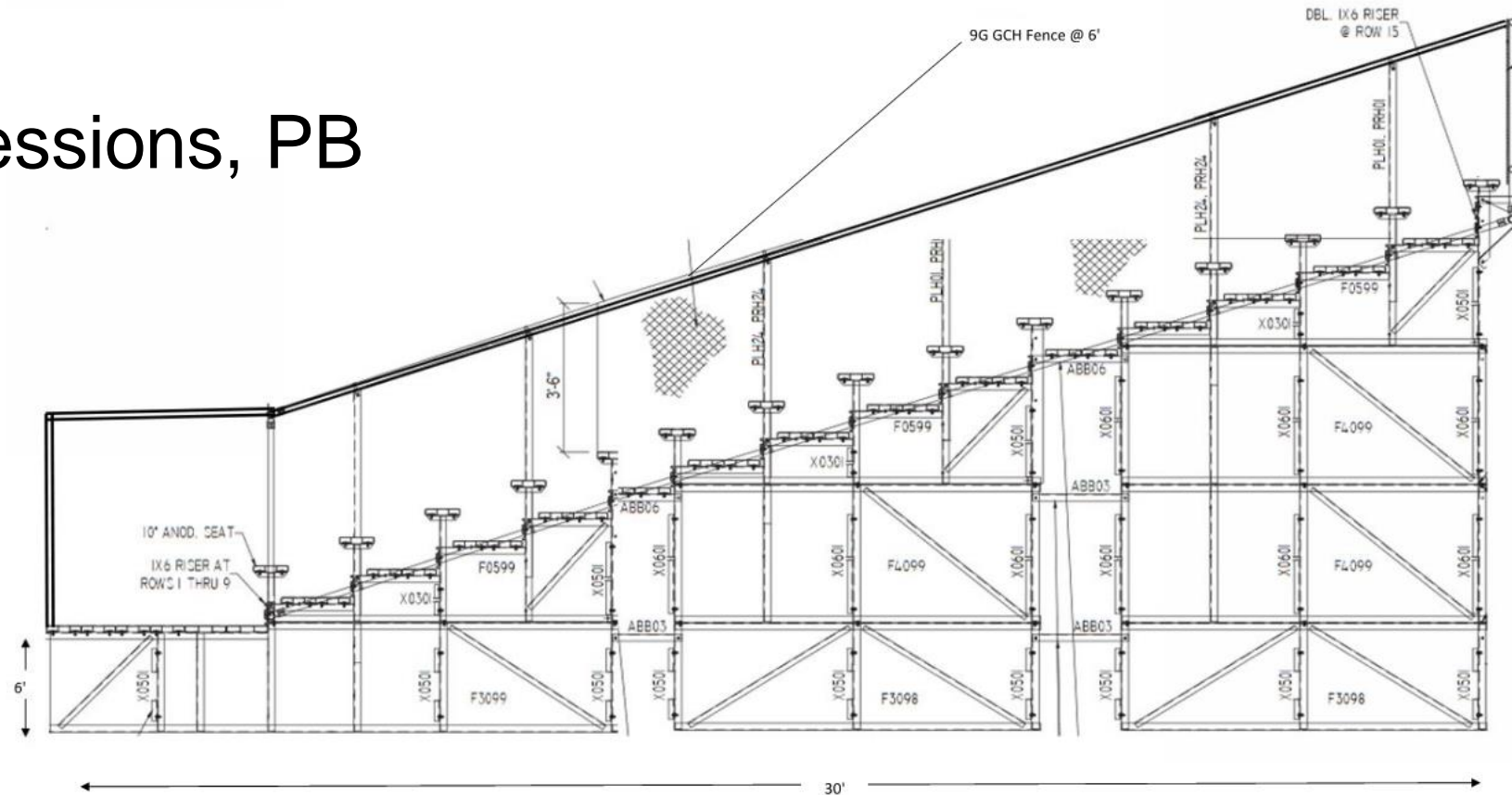
* *In-kind plank replacement, if necessary +/- \$750,000
fabrication detail may impact connecting components*

STADIUM REPAIR DURATION ESTIMATE – *after NTP*

Plank destructive testing & analysis	8 wks.
Final design	8 wks.
Bidding	4 wks.
Contract, bonds,	2 wks.
Shop Dwgs, steel fabrication/delivery	8 wks.
On-site construction	16 wks.
Punch list	2 wks.
	48 wks.

STADIUM REPLACEMENT OPTIONS

- Remove & dispose of existing
- Replace with open steel & aluminum structure on new fdns
- Capacity TBD
- No restrooms, concessions, PB
- +/- \$1M



STADIUM REPLACEMENT OPTIONS

- Remove & dispose of existing
- Replace with steel & aluminum structure on new fdns
- Brick wrapping
- Separate restrooms, concessions, PB
- +/- \$2M

