



PIKE ■ McFARLAND ■ HALL  
ASSOCIATES, INC.  
ARCHITECTS AND PLANNERS

**ADDENDUM NO. 2**

**ALTERATIONS & ADDITIONS TO:  
POLICE ANNEX TRAINING CENTER  
MARKET COMMON**

Myrtle Beach, South Carolina  
December 12, 2019

NOTE: ADDENDUM NO. 2 HAS BEEN SENT TO GENERAL CONTRACTORS ONLY. GENERAL CONTRACTORS ARE RESPONSIBLE FOR COMMUNICATION OF THE ITEMS CONTAINED WITHIN THIS ADDENDUM TO APPROPRIATE SUB-CONTRACTORS.

THIS ADDENDUM CONTAINS:

- THREE (3) PAGES OF WRITTEN ADDENDUM
- SIX (6) PAGES OF PRE-BID SIGN-IN
- ONE (1) PAGE OF SPECIFICATIONS
- ONE (1) PAGE OF BULLETIN DRAWING
- THREE (3) FULL SIZE DRAWINGS

**CLARIFICATIONS TO ADDENDUM #1 - PRE-BID AGENDA**

- A. Contractor's attention is directed to AGENDA FOR PRE-BID CONFERENCE OF December 3, 2019, II, A. Contractor is advised to add the following:

"Ann Sowers – Procurement  
Craig Baer – Business License"

**CLARIFICATIONS TO ADDENDUM #1 – IN ATTENDANCE AT PRE-BID CONFERENCE**

- A. Contractor's attention is directed to MANDATORY PRE-BID SIGN-IN SHEET issued in Addendum #1. Contractor is advised to omit this in its entirety and replace with MANDATORY PRE-BID SIGN-IN SHEET (attached herewith) consisting of 6 pages.

**CLARIFICATIONS TO ADDENDUM #1 – 012300 - ALTERNATES**

- A. Contractor's attention is directed to 7, A. of Addenda #1. Contractor is advised to omit this item in its entirety. Please see revision under Specifications (Item #2) in this addenda.

**QUESTIONS AND ANSWERS**

**Q1. ON ARTICLE 7, A OF ADDENDUM #1, ARE WE TO ADD THIS TO THE BID FORM OR WILL A REVISED BID FORM BE ISSUED?**

**A1. Please see CLARIFICATIONS TO ADDENDUM #1 – 012300 – ALTERNATES.**

## **SPECIFICATIONS**

1. DOCUMENT 000115 – LIST OF DRAWING SHEETS
  - A. Contractor's attention is directed to 1.1, A, Architectural. Contractor is advised to add the following:  
  
"A1.4 – FIRING RANGE LAYOUT ALTERNATE #2  
A1.5 – FIRING RANGE SPECIFICATIONS"
2. SECTION 012300 – ALTERNATES
  - A. Contractor's attention is directed to 3.1, A, 1. Contractor is advised to add the following at the end of the item:  
  
"Owner is responsible for removing and re-installation of all existing markerboards, tackboards, wall hangings, etc."
3. SECTION 11191 – FIRING RANGE EQUIPMENT
  - A. Contractor's attention is directed to SECTION 11191 – FIRING RANGE EQUIPMENT (attached herewith) consisting of 1 page for information on this product.

## **DRAWINGS**

1. COV – COVER SHEET
  - A. Contractor's attention is directed to ARCHITECTURAL. Contractor is advised to add the following:  
  
"A1.4 – FIRING RANGE LAYOUT ALTERNATE #2  
A1.5 – FIRING RANGE SPECIFICATIONS"
2. SHEET A1.3 – FIRING RANGE LAYOUT – BASE BID
  - A. Contractor's attention is directed to SHEET A1.3 – FIRING RANGE LAYOUT – BASE BID. Contractor is advised to omit this sheet in its entirety and replace with SHEET A1.3 – FIRING RANGE LAYOUT – BASE BID (attached herewith) consisting of 1 page dated 12/12/19 for revisions.
3. SHEET A1.4 – FIRING RANGE LAYOUT ALTERNATE #2
  - A. Contractor's attention is directed to SHEET A1.4 – FIRING RANGE LAYOUT ALTERNATE #2. Contractor is advised to insert SHEET A1.4 – FIRING RANGE LAYOUT ALTERNATE #2 (attached herewith) consisting of 1 page dated 12/09/19 as a new sheet.
4. SHEET A1.5 – FIRING RANGE SPECIFICATIONS
  - A. Contractor's attention is directed to SHEET A1.5 – FIRING RANGE SPECIFICATIONS. Contractor is advised to insert SHEET A1.5 – FIRING RANGE SPECIFICATIONS (attached herewith) consisting of 1 page dated 12/09/19 as a new sheet.
5. SHEET DP1.1 – PLUMBING DEMOLITION PLAN
  - A. Contractor's attention is directed to Bulletin Drawing B2 (attached herewith) consisting of 1 page dated 12/09/19 for revisions to Dark Room space 126.

ADDENDUM NO. 2  
ALTERATIONS & ADDITIONS TO:  
POLICE ANNEX TRAINING CENTER  
MARKET COMMON  
December 12, 2019  
Page 3 of 3

**APPROVED EQUIVALENTS**

The following manufacturers have been approved as equivalents.

SECTION 10222  
(OPERABLE PARTITIONS)

Moderco Series #842  
by South Eastern Acoustics, Inc.

**END OF ADDENDUM NO. 2**



City of Myrtle Beach  
SOUTH CAROLINA

**Mandatory Pre-Bid: Tuesday, December 3, 2019 at 9:00AM at  
Police Annex located at 3340 Mustang Street, MBSC**

**IFB 20-B0028 Alterations & Additions/Police Annex**

**Bid Opening: Thursday, January 16, 2020 at 2:00PM**

Please Sign In:

Company Name

Representative

1) BNV Builders

843-283-4692

Signature

Phone/Fax

Bradley Sweeney

Print

MRHOMEEXPERT@gmail.com

Email address

2) SC Improvement + Services

(842) 360-5078

Signature

Phone/Fax

CB Snipes

Print

SCimprovementservices@gmail.com

Email address

3) Chancel HRT Inc

843-234-0510

Signature

Phone/Fax

Leah Tinda

Print

admin@chancelhrt.com

Email address

**Company Name**

**Representative**

4) R. C. JACOBS INC



Signature

843-527-2404

GREGORY R. OWEN

Print

Phone/Fax

RCJACOBSINC@AOL.COM

Email address

5) Banetron Concrete



Signature

843-267-4374

MIKE CHAPPELL

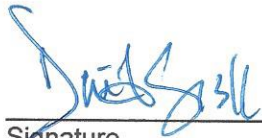
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Phone/Fax

MCCHAPPELL@BANETRONCONCRETE.COM

Email address

6) Consensus Const



Signature

843 544 2667

DAVID SISK

Print

Phone/Fax

bdsp@consensusconstruction.com

Email address

7) Mashburn Construction



Signature

843-229-3151

Chris Setler


Print

Phone/Fax

CSetler@mashburnconstruction.com

Email address

8) Carolina Elevator Cooperative Inc



Signature

843-903-7594

Mike Hill

Print

Phone/Fax

Mike@Carolinaelevatorcoop.com

Email address



Company Name

Representative

9) Brantley Construction

Louis White  
Signature

843 552-0150 Ext 203

Louis White  
Print

Phone/Fax

Christina @ Brantley Construction.com

Email address

10) Carolina Cool

Allen Anderson  
Signature

843 238 5805

Allen Anderson  
Print

Phone/Fax

estimating@carolinacool.com

Email address

11) Mike Courie North Strand Mechanical

Mike Courie  
Signature

843-272-4915

Mike Courie  
Print

Phone/Fax

MCourie@nsmhvac.com

Email address

12) Thomas Fowler/coastline Electric

Thomas Fowler  
Signature

843-357-7453

Thomas Fowler  
Print

Phone/Fax

Email address

13) PATRICK RYAN - TUNGSTEN

Patrick Ryan  
Signature

843.839.1650

PATRICK RYAN  
Print

Phone/Fax

pryan@tungstencorporation.com

Email address

Company Name

Phone/Fax

Signature

Print Name

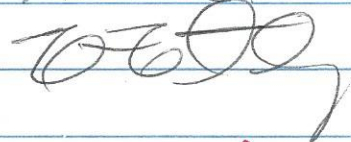
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~~COASTAL~~ STRUCTURES COOP

(803) 546-4491, (803) 546-6569  
MANSHALL@COASTALSTRUCTURES.COM

MANSHALL PASSAROLLO



15

JAMIE PASSAROLLO H R ALLEN INC

JAMIE.PASS@HRALLEN.COM

JAMIE PASSAROLLO

JAMIE PASSAROLLO

16

~~STEWART M. JURY~~

FBI CONSTRUCTION

813-234-4324



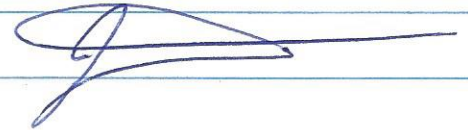
STEWART M. JURY

17

James Fitzpatrick

Coastal Commercial Refinery

843-369-4101 EXT 105

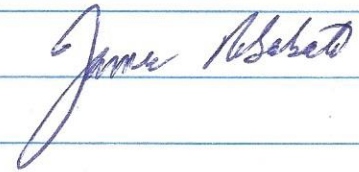


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Mancill Inc.

843-448-1489

Jamesd@mancill.net / Jimmie@mancill.net



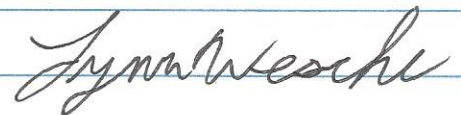
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Welch Construction Inc.

843 839-0151

Lwesche@welchconinc.com

CONCRETE & MASONRY





Company Name

Phone/Fax

E-mail

Signature

Print Name

20

JOSEPH PIKE



PIKE MCFARLAND HALL ASSOC./ARCHITECTS

jpike@pmharchitects.com

(843)497-0272

21

Jody Bryant

Billy's Plumbing

843-458-5156

Jody @ billysplumbing.com



Lamond Conover

22

JOHN LOTT

WADE LOTT, INC.

843-347-9390

wl9390@sccoast.net

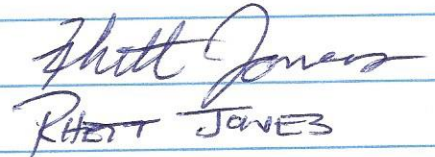


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SPANN ROOFING

843-347-2220

rlett@spannroofing.com



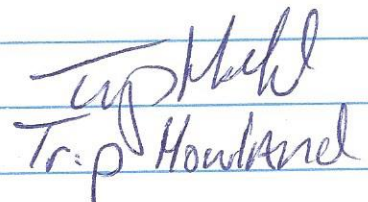
RHETT JONES

24

Monarch Roofing LLC

843-503-1975

trip@monarchroofing.biz



Trip Howard

25

Handwick of Landscaping LLC

843-347-4547

843-230-2330

TRAVIS HARDWICK



26

Baldwin Construction

843 458 2283

rick@baldwincc.com

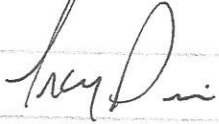
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Tech Service Heating & Cooling

843-450-8686

techserviceinc@yahoo.com



TRACY DAVIS

## SECTION 11191 – FIRING RANGE EQUIPMENT

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

#### 1.2 RELATED SECTIONS

- A. Refer to specification details in the Drawings on Sheet A1.5.

#### 1.3 SUBMITTALS

- A. Provide manufacturer's data per Division 1 Section 01303 "Submittals".

#### 1.4 WARRANTY

- B. Manufacturers standard warranty.

### PART 2 – PRODUCTS

#### 2.1 MATERIALS

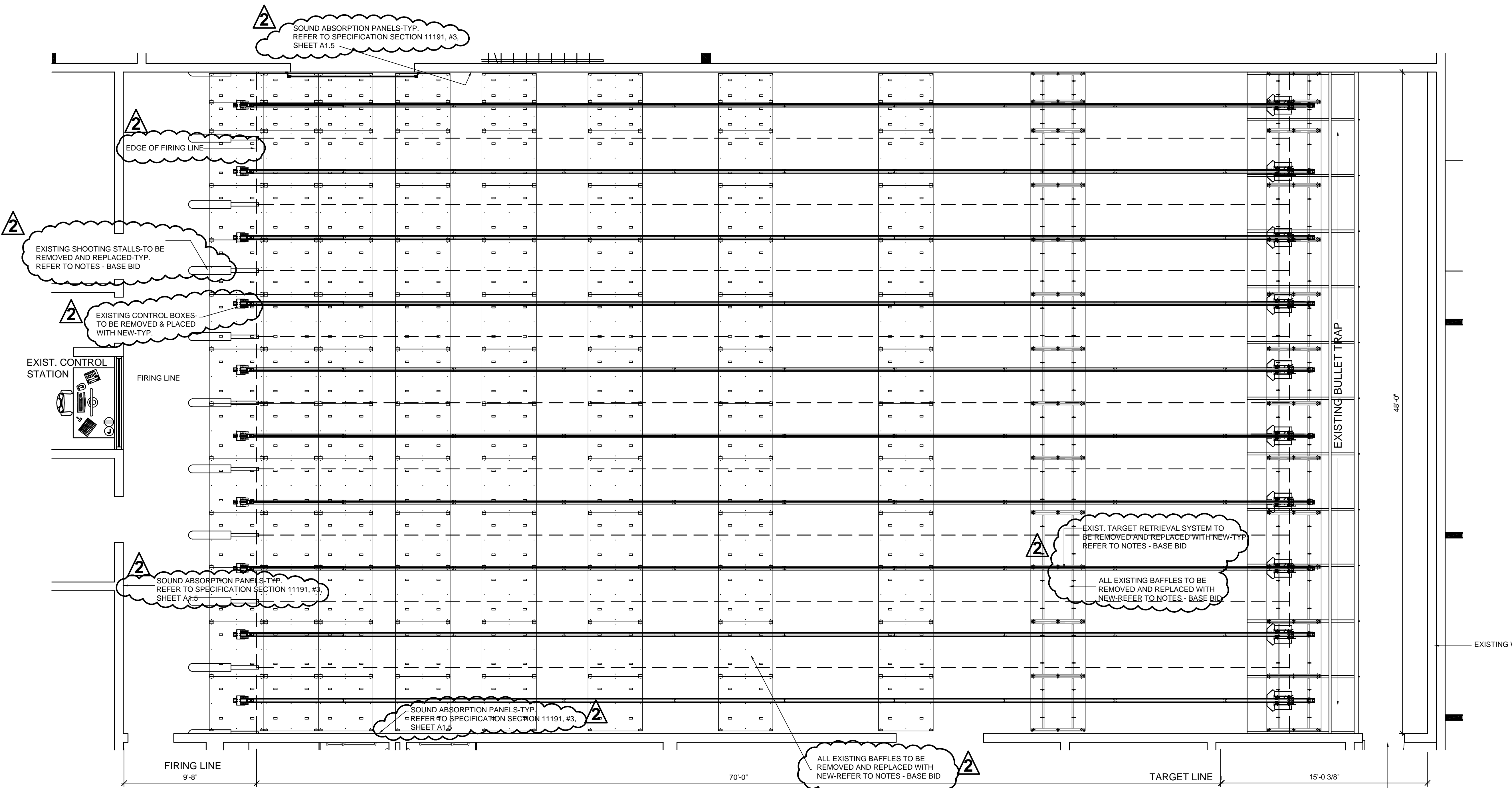
- A. Manufacturer: Meggitt, Inc. (Basis of Design)
- B. Or prior approval per specification Section 01632.

### PART 3 – EXECUTION – NOT NEEDED

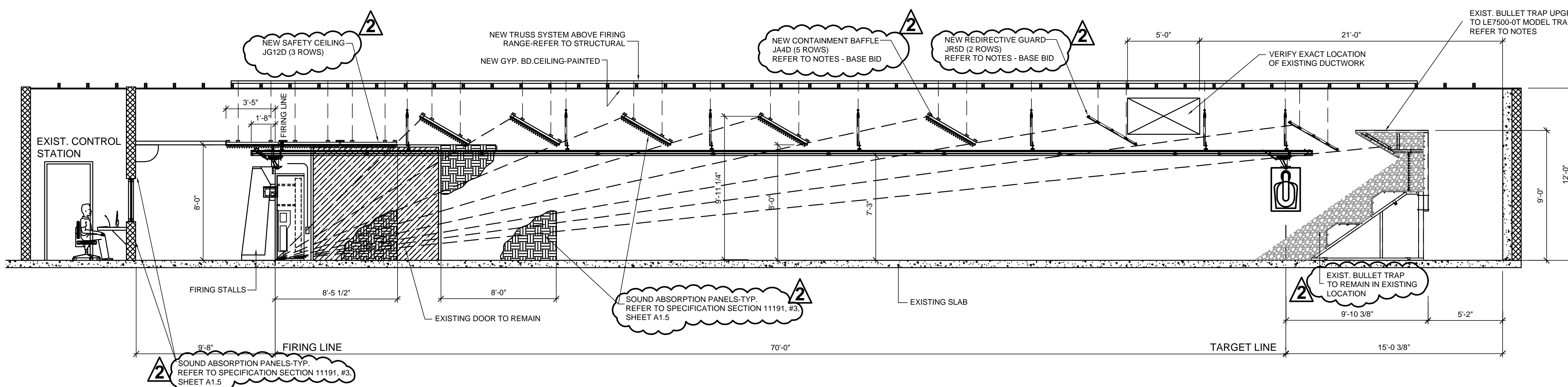
END OF SECTION 11191



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**1 FIRING RANGE LAYOUT - BASE BID**  
A1.3 SCALE: 1/4"=1'-0"



**2 FIRING RANGE ELEVATION - BASE BID**  
A1.3 SCALE: 1/4"=1'-0"

**NOTES - BASE BID:**

- CONTRACTOR SHALL REMOVE ALL EXISTING ACT & GRID, GYP BD CEILING, AND LIGHTING OVER SHOOTING STALLS & FIRING RANGE.
- CONTRACTOR SHALL REMOVE CONTROL BOXES, TARGET RETRIEVAL SYSTEM, DIS-ASSEMBLE SHOOTING STALLS AND ALL ASSOCIATED ITEMS PRIOR TO RANGE REFURBISHMENT. CONTRACTOR IS RESPONSIBLE FOR VISUAL INSPECTION & DOCUMENTING ANY CRACKS, CHIPS, ETC., OF SHOOTING STALL GLAZING PRIOR TO REMOVING SHOOTING STALLS. CONTRACTOR TO PROVIDE SECURE STORAGE FOR STALL GLAZING AND ASSOCIATED ITEMS. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING ANY GLAZING DAMAGED DURING REMOVAL.
- CONTRACTOR TO REMOVE ALL EXISTING BAFFLES AND ACOUSTICAL PANELS.
- EXISTING BULLET TRAP IS TO REMAIN IN CURRENT LOCATION AND BE UPGRADED TO MEGGITT MODEL LE7500-T (BASIS OF DESIGN). REFER TO SPECIFICATION SECTION 11191 & SHEET A1.5.
- VENDOR WILL BE RESPONSIBLE FOR RE-ASSEMBLING THE SHOOTING STALLS, RAILS, BAFFLES AND ASSOCIATED ITEMS ONCE CONSTRUCTION IS COMPLETED IN FIRING RANGE AREA.
- CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS AND COVERS IN THE FIRING RANGE AREA. OPENINGS SHALL BE PATCHED AND MATCHED TO EXISTING WALL.
- LEAD ABATEMENT HAS BEEN DONE. OWNER TO PROVIDE ABATEMENT CERTIFICATE.

**BAFFLES:**

- GENERAL CONTRACTOR WILL REMOVE EXISTING BAFFLES
- VENDOR WILL INSTALL NEW JA4C AND JR5D BAFFLES

**AIR-SPACE CONTAINMENT BAFFLE, MODEL JA4D**

- 2" AR500 STEEL CONTAINMENT BAFFLE
- STEEL BAFFLE AIR SPACE WITH PLYWOOD FACE WITH ACOUSTICAL SURFACE
- SUSPENDED FROM THE BOTTOM OF TRUSSES AT PRESCRIBED ANGLES TO THE FLOOR.

**AIR-SPACE CONTAINMENT BAFFLE, MODEL JG12D**

- 2" AR 500 STEEL CONTAINMENT BAFFLE
- STEEL BAFFLE AIR SPACE WITH PLYWOOD FACE WITH ACOUSTICAL SURFACE.
- SUSPENDED FROM THE CEILING FLAT, 0 DEGREES.

**STEEL RE-DIRECTIVE GUARD, MODEL JR5D**

- 2" AR 500 STEEL
- SUSPENDED FROM THE BOTTOM OF TRUSSES AT PRESCRIBED ANGLES TO THE FLOOR.

**WIRELESS TARGET CARRIERS:**

- GENERAL CONTRACTOR WILL REMOVE EXISTING TARGET CARRIERS - 10 LANES.
- VENDOR WILL INSTALL NEW WIRELESS TARGET - 10 LANES.
- REFER TO SPECIFICATION SECTION 11191 & SHEET A1.5

**SOUND ABSORPTION PANELS:**

- ACOUSTICS ARE REQUIRED UNDER THE SAFETY CEILING, BACK WALL, BEHIND THE SHOOTER, RANGE SIDE WALLS BEHIND THE FIRING LINE, 10' FORWARD OF THE FIRING LINE, AND ON CONTAINMENT BAFFLES.
- REFER TO SPECIFICATION SECTION 11191 & SHEET A1.5

PIKE & McFARLAND & HALL ASSOCIATES, INC. 1300 PROFESSIONAL DRIVE, SUITE 201, MYRTLE BEACH, SOUTH CAROLINA 29577 PHONE: (843) 497-0272 FAX: (843) 497-0271 PMH@PMHARCHITECTS.COM

**PMH**  
PIKE • McFARLAND • HALL  
ASSOCIATES, INC.  
ARCHITECTS & PLANNERS

STATE OF SOUTH CAROLINA  
Pike  
McFarland  
Hall  
Assoc. Inc.  
MYRTLE BEACH, SC  
29577  
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA  
GREGORY  
TODD  
McFARLAND  
MYRTLE BEACH, SC  
29577  
REGISTERED ARCHITECTS

OWNER  
CITY OF MYRTLE BEACH  
SOUTH CAROLINA

PROJECT

ALTERATIONS & ADDITIONS TO:  
**POLICE ANNEX TRAINING CENTER**  
**MARKET COMMON**  
SOUTH CAROLINA  
MYRTLE BEACH,

**FIRING RANGE LAYOUT BASE BID**

CHECKED BY: \_\_\_\_\_

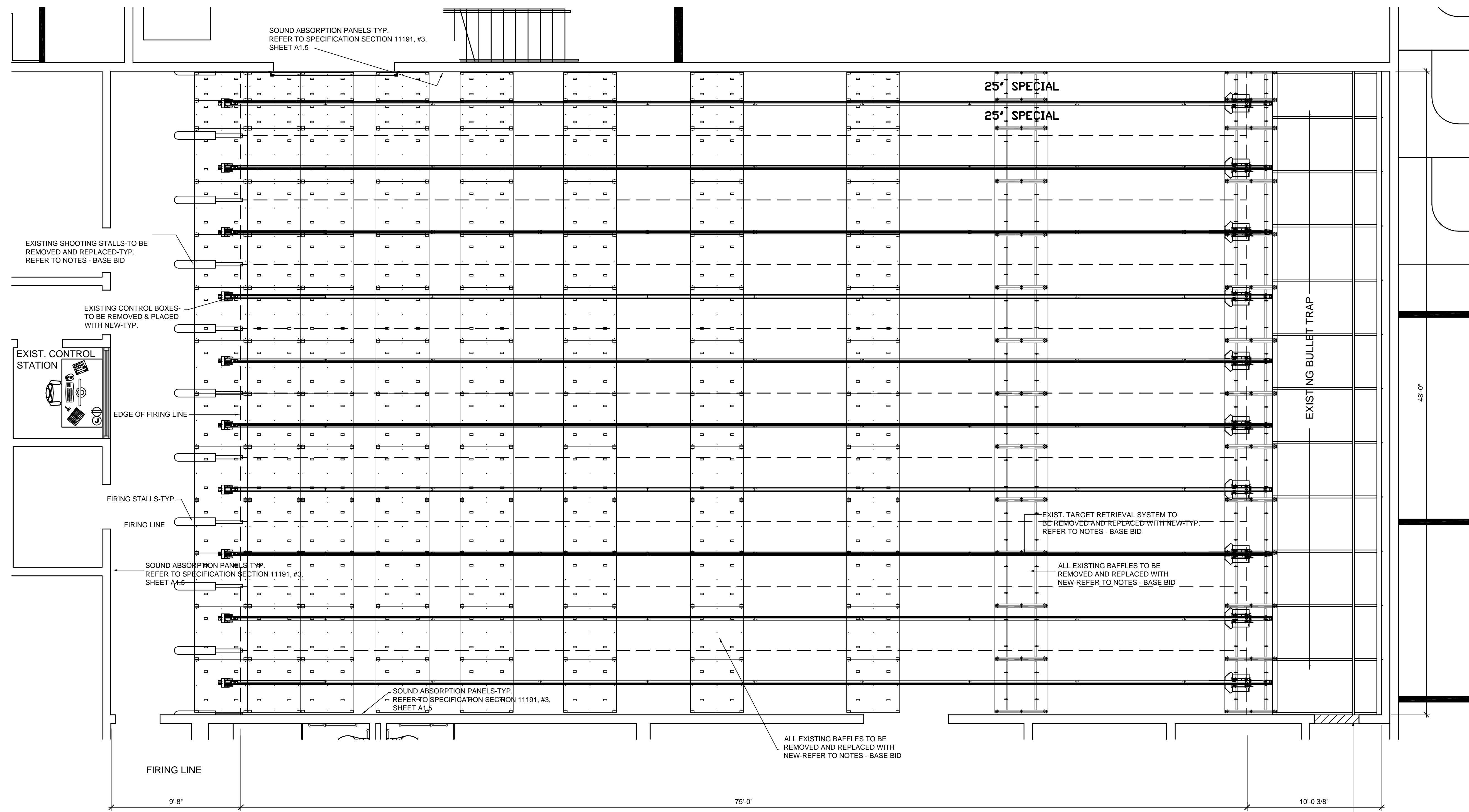
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REV: \_\_\_\_\_

ADD.#2: 12-12-19

SHEET



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**1 FIRING RANGE LAYOUT - ALTERNATE #2**  
**A1.4** SCALE: 1/4"=1'-0"

ALTERNATE #2:  
 EXISTING DOOR & FRAME TO BE REMOVED. FILL-IN OPENING TO MATCH EXISTING MATERIALS AND FINISHES.

**NOTES - BASE BID:**

- CONTRACTOR SHALL REMOVE ALL EXISTING ACT & GRID, GYP BD CEILING, AND LIGHTING OVER SHOOTING STALLS & FIRING RANGE.
- CONTRACTOR SHALL REMOVE CONTROL BOXES, TARGET RETRIEVAL SYSTEM, DIS-ASSEMBLE SHOOTING STALLS AND ALL ASSOCIATED ITEMS PRIOR TO RANGE REFURBISHMENT. CONTRACTOR IS RESPONSIBLE FOR VISUAL INSPECTION & DOCUMENTING ANY CRACKS, CHIPS, ETC. OF SHOOTING STALL GLAZING PRIOR TO REMOVING SHOOTING STALLS. CONTRACTOR TO PROVIDE SECURE STORAGE FOR STALL GLAZING AND ASSOCIATED ITEMS. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING ANY GLAZING DAMAGED DURING REMOVAL.
- CONTRACTOR TO REMOVE ALL EXISTING BAFFLES AND ACOUSTICAL PANELS.
- EXISTING BULLET TRAP IS TO REMAIN IN CURRENT LOCATION AND BE UPGRADED TO MEGGITT MODEL LE7500-OT (BASIS OF DESIGN). REFER TO SPECIFICATION SECTION 11191 & SHEET A1.5.
- VENDOR WILL BE RESPONSIBLE FOR RE-ASSEMBLING THE SHOOTING STALLS, RAILS, BAFFLES AND ASSOCIATED ITEMS ONCE CONSTRUCTION IS COMPLETED IN FIRING RANGE AREA.
- CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS AND COVERS IN THE FIRING RANGE AREA. OPENINGS SHALL BE PATCHED AND MATCHED TO EXISTING WALL.
- LEAD ABATEMENT HAS BEEN DONE. OWNER TO PROVIDE ABATEMENT CERTIFICATE.

**BAFFLES:**

- GENERAL CONTRACTOR WILL REMOVE EXISTING BAFFLES
- VENDOR WILL INSTALL NEW JA4C AND JR5D BAFFLES

**AIR-SPACE CONTAINMENT BAFFLE, MODEL JA4D**

- 7" AR500 STEEL CONTAINMENT BAFFLE
- STEEL BAFFLE AIR SPACE WITH PLYWOOD FACE WITH ACOUSTICAL SURFACE
- SUSPENDED FROM THE BOTTOM OF TRUSSES AT PRESCRIBED ANGLES TO THE FLOOR.

**AIR-SPACE CONTAINMENT BAFFLE, MODEL JG12D**

- 7" AR 500 STEEL CONTAINMENT BAFFLE
- STEEL BAFFLE AIR SPACE WITH PLYWOOD FACE WITH ACOUSTICAL SURFACE
- SUSPENDED FROM THE CEILING FLAT, 0 DEGREES.

**STEEL RE-DIRECTIVE GUARD, MODEL JR5D**

- 7" AR 500 STEEL
- SUSPENDED FROM THE BOTTOM OF TRUSSES AT PRESCRIBED ANGLES TO THE FLOOR.

**WIRELESS TARGET CARRIERS:**

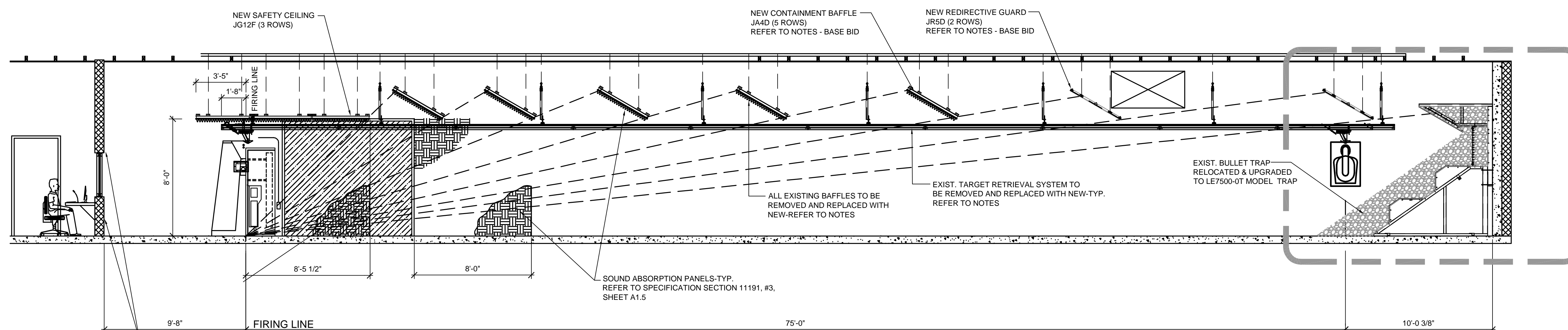
- GENERAL CONTRACTOR WILL REMOVE EXISTING TARGET CARRIERS - 10 LANES
- VENDOR WILL INSTALL NEW WIRELESS TARGET-10 LANES.
- REFER TO SPECIFICATION SECTION 11191 & SHEET A1.5

**SOUND ABSORPTION PANELS:**

- ACOUSTICS ARE REQUIRED UNDER THE SAFETY CEILING, BACK WALL BEHIND THE SHOOTER, RANGE SIDE WALLS BEHIND THE FIRING LINE, 10' FORWARD OF THE FIRING LINE, AND ON CONTAINMENT BAFFLES.
- REFER TO SPECIFICATION SECTION 11191 & SHEET A1.5

**ALTERNATE #2:**

- RE-LOCATE EXISTING BULLET TRAP AND UPGRADE TO MEGGITT MODEL LE7500-OT (BASIS OF DESIGN)
- GENERAL CONTRACTOR SHALL REMOVE STEP BED PLATE DESIGN
- RELOCATE THE BOX TUBE FRAME TO THE BACK WALL REINSTALL FRAME ASSEMBLY.
- INSTALL THE UPPER RE-DIRECTED GUARD.
- REINSTALL STEP BED PLATES
- PAINT RED GRANTEX DEPTH SAFETY LINE ON SIDE WALLS AN FRONT EDGE.
- REFILL GRANTEX WITH THE EXISTING GRANTEX GRANULATED MATERIAL.



**2 FIRING RANGE LAYOUT - ALTERNATE #2**  
**A1.4** SCALE: 1/4"=1'-0"

PIKE • McFARLAND • HALL ASSOCIATES, INC. 1300 PROFESSIONAL DRIVE, SUITE 201, MYRTLE BEACH, SOUTH CAROLINA, 29577 PHONE: (843) 497-0272 FAX: (843) 497-0271 PMH@PMHARCHITECTS.COM



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## SPECIFICATION SECTION 11191 - FIRING RANGE EQUIPMENT

### 1. Meggitt Training Systems Model LE7500-OT GranTrap (BASIS OF DESIGN)

- The trap shall have a sloping front surface and must be constructed with a stepped steel bedplate, box tube support frame and must incorporate an upper hopper bin, filled with replenishment rubber GranTex. This upper bin consists of an angled 3/8" AR500 Armor plate slope sheet. The traps lower section – bedplates, shall support the rubber granules. These rubber granules – GranTex™ - consist of chopped rubber and shall be predominately free of cording, threads, steel belting pieces and cotton fibers. Fired rounds will be captured by the rubber granules with little or no fragmentation or back-splatter. The steel bedplate provides a safety barrier - but the design of the trap shall be such that under normal service and maintenance, the 10 gauge steel bedplate shall not be relied upon to terminate the bullets flight.
- The bullet trap's steel bedplates must be in a deep stepped configuration and not a simple angled plate. The primary impact area's step depth (Measured at the Horizontal steel bed plate) shall not be less than 24". This required stepped design allows for greater rubber granule and lead retention in the bullet trap's primary impact areas.
- The bullet traps must incorporate an internal, separately enclosed & conveyor belt faced – backup Safety Bin – with additional GranTex within. This back-up area shall be no less than 10" in depth.
- The bullet trap shall allow the recovery of largely intact spent rounds.
- The bullet trap shall be self-supporting and assembled entirely by mechanical fasteners. The upper holding bins must be part of the Bullet Traps frame support assembly and not require overhead support via chains/cables, bridging or rear wall attachment etc. The traps upper frame shall support the Bullet Traps 3/8" thick – AR500 Armor plate upper slope sheet and must extend no less than 5 ft. from the rear side of the trap assembly. No on-the-job cutting or welding shall be required.
- All metal parts not otherwise finished or plated shall be primed and painted.
- Include a set of bullet trap steel sidewalls for each bullet trap. Plates shall be installed in an overlapped manner with only vertical seams and no horizontal seams. Plates shall have a factory applied coat of paint.
- New Rubber Bullet Trap must meet - at minimum – the following requirements.
  - STEPPED BED PLATES. IN ADDITION TO THE PRIMARY LOOSE RUBBER MATERIAL DEPTH – THE TRAPS PRIMARY IMPACT AREA MUST HOLD AN ADDITIONAL VOLUME OF 8 CUBIC FEET.
  - 3/8" AR500 PLATE FACING ON THE TRAPS UPPER REPLENISHMENT BIN.
  - THE REPLENISHMENT BIN - WHEN FULL AND LEVEL WITH TRAPS TOP ELEVATION – MUST HOLD A VOLUME OF 19 CUBIC FEET OF RUBBER GRANULATE MATERIAL.
  - BULLET TRAPS UPPER REPLENISHMENT BIN MUST BE A SOLID BOXED STEEL FRAME THAS FASTENED TO THE TRAPS MAIN SUPORT FRAMES – AND NOT SUSPENDE VIA CHAIN, CABLES OR HUNG FROM THE REAR WALL. ENTIRE TRAP MUST BE SELF SUPPORTING.
  - BULLET TRAP MUST INCOPERATE A "BACK-UP" SAFETY BIN AT THE TRAPS REAR SIDE. THIS AREA IS TO HOLD 10 CUBIC FEET OF RUBBER GRANULATE.
  - BULLET TRAPS SUPPORT FRAMES MUST BE OF TUBE / BOXED STEEL. USE OF ANGLE IRON, LUMBER OR OTHER SUPPORT IN NOT ACCEPTABLE
- Range support
  - Range technicians must be available on site within 48 hours of a reported range problem. Available with the Meggitt OEM extended warranty plan.
  - Customer phone service support must be available 24 hours a day

### 2. XWT Wireless Target System (MEGGITT - BASIS OF DESIGN)

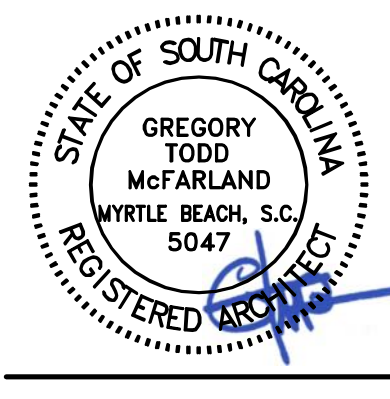
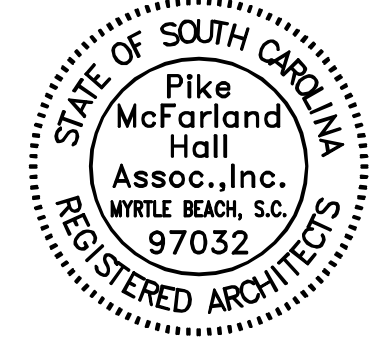
- Target system shall be self-propelled wireless turning target system with touch screen controls
- The touch screen control panel shall communicate wirelessly with the target carrier.
- Target control system shall be capable of programing complete courses of fire and can be operated from the local touch screen controls or range master computer.
- The wireless target system must integrate with the owners existing RM9K software.
- The target carrier must be powered & operates from rechargeable lithium ion "on board" 20V 6AH battery.
- Carrier shall automatically charges when the carrier is brought to the home position.
- The target carrier shall automatically returns home to dock and recharge battery if left unattended for a configurable period of time.
- Battery compartment design shall include positive locking battery connection with ergonomic battery placement allowing single hand installation and replacement.
- Radio controlled target carrier.
- Dual Electric motors, internal direct drive system that does not utilize bus bars, cables and/or pulleys.
- Provides variable speed with the ability to travel up to 12 FPS with a tolerance of +/- .75".
- Soft start / stop speed control.
- Self-Calibrating target head with 360° turning.
- On board adjustable LED level light fixture that provides up to 700 Lumens with the ability to simulate muzzle flash.
- Adjustable red, white, and blue LED's with independent settings and Law Enforcement distraction lighting.
- 3/8" 500 BHN Armor plate steel front prow.
- Integrated overhead wheel guard enclosure protection for carrier wheels to protect from bullet fragmentation and splatter.
- Closed track design that does not collect lead or range debris.
- Supports multiple languages via administrative access.
- RM9K PC is accessible to Meggitt installation and support staff via remote access software.

### 3. Sound Absorption panels (SONEX - BASIS OF DESIGN)

- Acoustics are required
  - Under the safety ceiling, back wall behind the shooter, range side walls behind the firing line, 10' forward of the firing line, and on containment baffles.
- SONEX
- Physical Properties (urethane)
- Material Open cell polyester urethane
- Density 2 lbs. per cubic foot
- Flame Spread<75 (2" and 3" SONEXclassic)
- ASTM E84 Class 2 (2" and 3" SONEXclassic)
- Acoustic Absorption Coefficients
- Freq. 125 250 500 1000 2000 4000 NRC

# PMH

PIKE ■ McFARLAND ■ HALL ASSOCIATES, INC. ARCHITECTS & PLANNERS



OWNER



PROJECT

ALTERATIONS & ADDITIONS TO:  
**POLICE ANNEX TRAINING CENTER**  
**MARKET COMMON**  
MYRTLE BEACH, SOUTH CAROLINA

FIRING RANGE EQUIPMENT SPECIFICATION

CHECKED BY: \_\_\_\_\_  
COMM: 18024  
FILE:  
DRAWN BY: DP  
PLOT:  
DATE: 12-09-19  
REV:

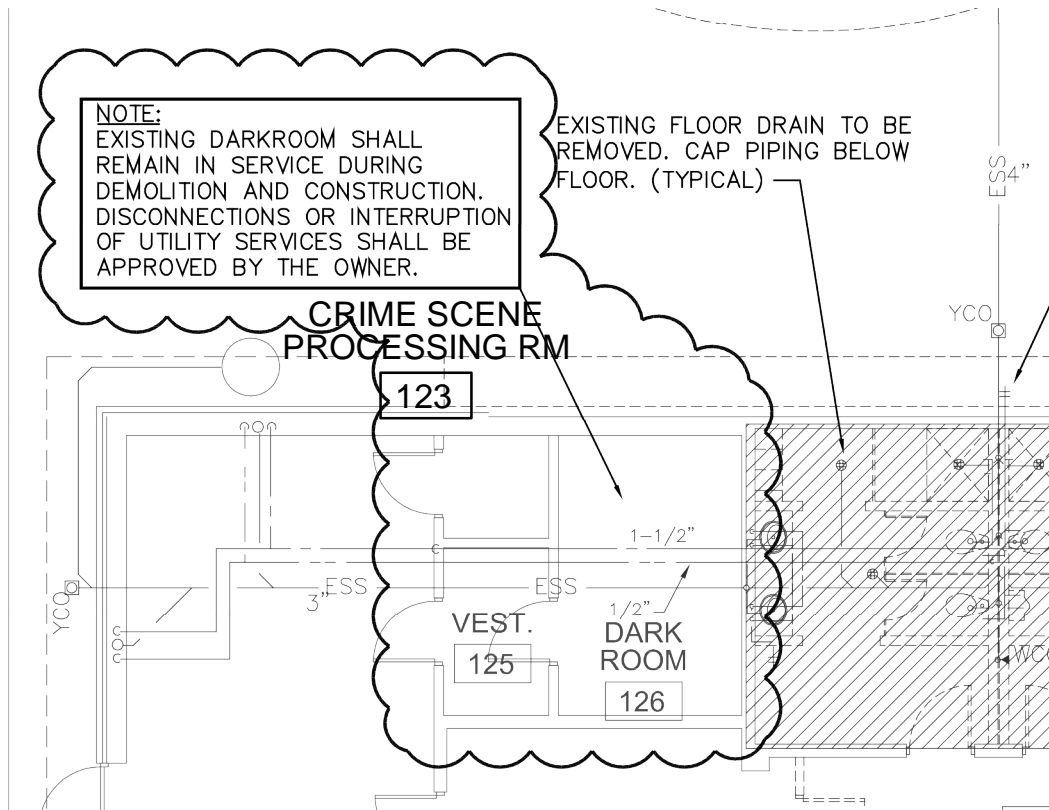
ADD. #2: 12-09-19

SHEET

# A1.5

## ADDENDUM #2

PIKE ■ McFARLAND ■ HALL ASSOCIATES, INC. 1300 PROFESSIONAL DRIVE, SUITE 201, MYRTLE BEACH, SOUTH CAROLINA 29577 PHONE: (843) 497-0272 FAX: (843) 497-0271 PMH@PMHARCHITECTS.COM



**1** **EXIST. DARKROOM SINK TO REMAIN FUNCTIONAL - ADD #2**  
**B2** SCALE: NTS