INVITATION FOR BID #13PB030

DISTRICT 3 POLICE STATION TARGET HARDENING

ADDENDUM #1

FEBRUARY 15, 2013

The following changes/additional information is provided and shall affect this solicitation:

CHANGES/CLARIFICATIONS

1. **SCHEDULE OF BID ITEMS** – **DELETE** existing and **REPLACE** with REVISED Bid Schedule labeled Addendum #1 (attached).

2. **ARCHITECTURAL SPECIFICATIONS**, **DELETE** the following: Cover Page and Table of Contents and **REPLACE** with the revised Cover Page and Table of Contents labeled Addendum No. 1.

3. **ARCHITECTURAL SPECIFICATIONS, ADD** Section 04 15 00 Quality Control and labeled Addendum No. 1.

4. **SPECIAL PROVISIONS**, Item 12 Schedule of Values, **ADD** Grant Reimbursement Billing document, labeled Addendum No. 1 (attached).

5. **PLAN DRAWING SPECIFICATION CHANGES**

   DELETE the following plan sheets in their entirety: SP1.0, SP2.0, SP2.1, SP2.2, A1.1, A6.0, S1.1, S3.1, E1.0, E1.1 and **REPLACE** with the following plans sheets labeled Addendum No. 1: SP1.0, SP2.0, SP2.1, SP2.2, A1.1, A6.0, S1.1, S3.1, E1.0, E1.1.

   - Plan Sheet C0.1, General Construction Notes for Capital Projects, Note 15, General Note to the Contractor: The Contractor is advised he is required to provide temporary fencing to protect the construction site. The fencing shall be 8-feet in height and shall include a screen tarp in a color acceptable to the City of Scottsdale. The temporary fencing shall be in accordance with the City's Zoning Ordinance, Article VII, Section 7.700. There shall be no additional payment for this work.

   - Plan Sheet SP2.0, labeled Addendum No. 1, General Notes referencing Bid Alternate No. 2, Steel Zinc Dipped, General Note to the Contractor: Paint as specified over zinc coating is acceptable for fence posts. Additional holes are not preferred but maybe required. Contractor shall apply clear silicone caulk sealant at new penetrations to prevent water intrusion.

- Plan Sheet S3.1, labeled Addendum No. 1, Details 103, New Security Wall, and Detail 108, Stepped Wall Footing at Roof Drains, General Note to the Contractor: The Contractor shall anticipate native soils in excess of 1'-6" below finished grade. The Contractor shall construct Detail 103 and Detail 108 in accordance with Detail 106, Footing Recommendations when native soil is greater that 1'-6" below finished grade. All costs associated with complying with this requirement shall be included in the appropriate bid item listed in the bid schedule.

6. Plan Sheet E2.2, Electrical Specifications, **DELETE** Key Note 3.2.2 in its entirety and **REPLACE** with the following: 3.2.2 All wiring shall be stranded. No solid wire of any size is permitted.

7. Plan Sheet E2.2, Electrical Specifications, **DELETE** Key Note 3.10 in its entirety and **REPLACE** with the following: All wiring shall be stranded with continuous color coded insulation, indicating color by phase. No solid wire of any size is permitted.

8. It is the intent of the City to have the Contractor provide all submittals and/or shop drawings within five (5) days following award of the contract.

9. It is the intent of the City to issue the Notice to Proceed for this project ten (10) days following award of the contract.

10. **Pre Bid Attendance Sheets**

For information purposes only, attached are the attendance sheets' from the Pre Bid held February 12, 2013.

All other Terms and Conditions remain the same. Acknowledge this addendum in your bid.

Karie Ingles, CPPB
Bid & Contract Specialist
Email: kingles@scottsdaleaz.gov

DISTRICT 3 POLICE STATION TARGET HARDENING
9045 E. VIA LINDA
PROJECT G1207
BID NO. 13PB030

ADDENDUM NO. 1
SCHEDULE OF BID ITEMS

BASE BID

Item No.	Item Description	Quantity	Unit	Unit Price	Total
1	Construct Perimeter Wall Complete per the Approved Plans and Specifications	1	LUMP SUM	LUMP SUM	$
2	Furnish and Install Window Glazing per the Approved Plans and Specifications	1	LUMP SUM	LUMP SUM	$

BASE BID TOTAL $ _____

BID ALTERNATE 1

Item No.	Item Description	Quantity	Unit	Unit Price	Total
1	Construct Air Intake Enclosure Complete per the Approved Plans and Specifications	1	LUMP SUM	LUMP SUM	$

BID ALTERNATE 1 TOTAL $ _____

BID ALTERNATE 2

Item No.	Item Description	Quantity	Unit	Unit Price	Total
1	Steel Zinc Dipped Fencing per the Approved Plans and Specifications	1	LUMP SUM	LUMP SUM	$

BID ALTERNATE 2 TOTAL $ _____

Architectural Specifications

City of Scottsdale
Police District 3 "Hardening"

9045 E. Via Linda
Scottsdale, Arizona 85258

Project # G1207

Bid # 13PB030

October 23rd, 2012

Jan 16, 2013

Larson Associates Architects, Inc.
3807 N. 24th Street
Suite 100
Phoenix, Arizona 85016
602-955-9929 voice
602-954-4790 fax

02-05-2013 1 ADDENDUM #1

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C-SPECS™ GUIDE SPECIFICATION SYSTEM

REGISTERED ARCHITECT
CERTIFICATE NO.
9252
JAMES LAWRENCE LARSON
ARIZONA, U.S.A.
Feb 15, 2013

SECTION 01 45 00

QUALITY CONTROL

PART 1 GENERAL

1.01 TESTING LABORATORY SERVICES

A. Special Inspections and Testing: Owner will employ and pay for the services of an independent testing agency to perform Special Inspections and Testing required by Code or authorities having jurisdiction.

B. Quality Control Testing and Inspections: Owner will employ and pay for the services of an independent testing laboratory to perform specified testing.

C. Associated Services: The Contractor shall cooperate with agencies performing required inspections, tests and similar services and provide reasonable auxiliary services as requested. Notify the agency sufficiently in advance of operations to permit assignment of personnel. Auxiliary services required include but are not limited to:
1. Providing access to the Work and furnishing incidental labor and facilities necessary to facilitate inspections and tests.
2. Taking adequate quantities of representative samples of materials that require testing or assisting the agency in taking samples.
3. Providing facilities for storage and curing of test samples, and delivery of samples to testing laboratories.
4. Security and protection of samples and test equipment at the Project site.

D. The testing laboratory shall distribute copies of reports as follows:
1. 2 copies to the City of Scottsdalet
2. 1 copy to the Structural Engineer
3. 2 copies to the Contractor
4. 1 copy to Code authorities or authorities having jurisdiction.

E. Costs for retesting required due to Contractor's failure to comply with specified requirements shall be paid for by the Contractor.

F. The following lists are intended as a guide to the Contractor to aid in the determining testing requirements for the project, however, the requirements specified in the technical sections shall take precedence over these lists and these lists are not to be interpreted as being complete.
1. Special Inspections and Testing:
   a. Earthwork: Test imported fill materials if required, observation of earthwork by Geotechnical Engineer, density and moisture testing of trench backfill, field density tests of underslab fill and backfill.
   b. 03 30 00 - Cast-In-Place Concrete: Test cylinders, slump test(s)
   c. Not Used
   d. 04 05 15 - Mortar and Masonry Grout: Test of grout mix
   e. 04 22 00 - Concrete Unit Masonry: Prism testing
   f. 05 10 00 - Structural Metal Framing: Welded connection tests, inspection of high strength bolts.
   g. Not Used.
   h. Not Used.
   i. Not Used.
2. Quality Control Testing and Inspections:

a. Not Used.
b. Not Used.
c. Not Used.
d. Not Used.
e. Not Used.
f. Not Used.
g. Not Used.
h. 07 92 00 - Joint Sealers: Field adhesion testing and stain testing.
i. Not Used.

1.02 CONTRACTOR'S QUALITY CONTROL

A. Where Specifications require that a particular product be installed and/or applied by an Applicator approved by the Manufacturer, it is the Contractor's responsibility to ensure that Subcontractor employed for such Work is approved. Such Subcontractor(s) shall provide evidence of being approved when requested by the Architect.

B. Work shall be executed by mechanics skilled in the Work required. Conform to the methods, standards and accepted practices of the Trade or Trades involved.

END OF SECTION

DISTRICT 3 POLICE STATION TARGET HARDENING
9045 E. VIA LINDA
PROJECT G1207
BID NO. 13PB030

ADDENDUM NO. 1
GRANT REIMBURSEMENT BILLING

ITEM NO.	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL
1	Construct combination masonry and metal perimeter wall per the approved plans and specifications including landscaping and irrigation restoration. (AEL 14SW-01-WALL)	1	LUMP SUM	LUMP SUM	$
2	Extend height of existing perimeter wall with masonry and metal per the approved plans and specifications including landscaping and irrigation restoration. (AEL 14SW-01-WALL)	1	LUMP SUM	LUMP SUM	$
3	Construct perimeter fencing per the approved plans and specifications including landscaping and irrigation restoration. (AEL 14SW-01-WALL)	1	LUMP SUM	LUMP SUM	$
4	Construct air intake enclosure per the approved plans and specifications. (AEL 14SW-01-WALL)	1	LUMP SUM	LUMP SUM	$
5	Furnish and install air intake enclosure door per the approved plans and specifications. (AEL 14SW-01-DOOR)	1	LUMP SUM	LUMP SUM	$
6	Furnish and install vehicle gates, track, gate motor, station officer button controls and conduit for controller and controls complete per the approved plans and specifications. (AEL 14SW-01-DOOR)	1	LUMP SUM	LUMP SUM	$
7	Furnish and install pedestrian gate and hardware per the approved plans and specifications. (AEL 14SW-01-DOOR)	1	LUMP SUM	LUMP SUM	$
8	Furnish and install gate line module and sensor complete. (AEL 14SW-01-SNSR)	1	LUMP SUM	LUMP SUM	$
9	Furnish and install gate controls pedestal foundation complete per the approved plans and specifications. (AEL 14SW-01-LITE)	1	LUMP SUM	LUMP SUM	$
10	Furnish and install window glazing per the approved plans and specifications. (AEL 14EX-00-BSIR)	1	LUMP SUM	LUMP SUM	$

TOTAL CONSTRUCTION COST $ _____

COORDINATE ALL EXISTING UTILITY LINES PRIOR TO COMMENCEMENT OF NEW CONSTRUCTION.

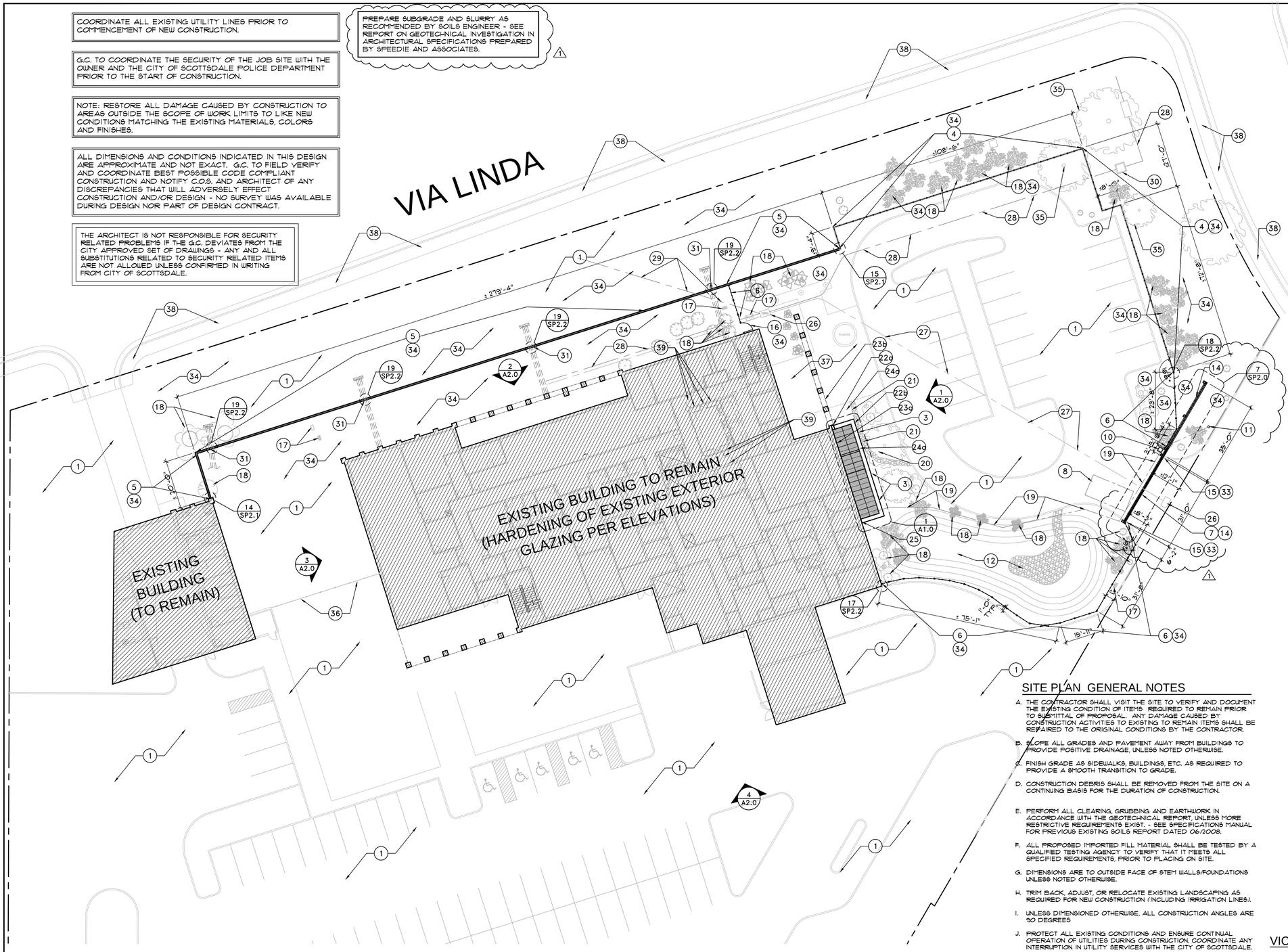
G.C. TO COORDINATE THE SECURITY OF THE JOB SITE WITH THE OWNER AND THE CITY OF SCOTTSDALE POLICE DEPARTMENT PRIOR TO THE START OF CONSTRUCTION.

NOTE: RESTORE ALL DAMAGE CAUSED BY CONSTRUCTION TO AREAS OUTSIDE THE SCOPE OF WORK LIMITS TO LIKE NEW CONDITIONS MATCHING THE EXISTING MATERIALS, COLORS AND FINISHES.

ALL DIMENSIONS AND CONDITIONS INDICATED IN THIS DESIGN ARE APPROXIMATE AND NOT EXACT. G.C. TO FIELD VERIFY AND COORDINATE BEST POSSIBLE CODE COMPLIANT CONSTRUCTION AND NOTIFY C.O.S. AND ARCHITECT OF ANY DISCREPANCIES THAT WILL ADVERSELY EFFECT CONSTRUCTION AND/OR DESIGN - NO SURVEY WAS AVAILABLE DURING DESIGN NOR PART OF DESIGN CONTRACT.

THE ARCHITECT IS NOT RESPONSIBLE FOR SECURITY RELATED PROBLEMS IF THE G.C. DEVIATES FROM THE CITY APPROVED SET OF DRAWINGS - ANY AND ALL SUBSTITUTIONS RELATED TO SECURITY RELATED ITEMS ARE NOT ALLOWED UNLESS CONFIRMED IN WRITING FROM CITY OF SCOTTSDALE.

PREPARE SUBGRADE AND SLURRY AS RECOMMENDED BY SOILS ENGINEER - SEE REPORT ON GEOTECHNICAL INVESTIGATION IN ARCHITECTURAL SPECIFICATIONS PREPARED BY SPEEDIE AND ASSOCIATES. 1



SITE PLAN KEYED NOTES:

1. EXISTING CONSTRUCTION TO REMAIN
2. NOT USED
3. NEW BUILDING ENCLOSURE MECHANICAL CHASE AROUND EXISTING FRESH AIR INTAKE - SEE DETAILS A AND B/A1.0
4. NEW 4'-8"H. WROUGHT IRON PICKET FENCE OVER EXISTING 2'-8"H. MASONRY WALL EXTENDED TO 3'-0"H. (GROUTED SOLID) AND NEW 4"x12" CONC. CAP - SEE DETAIL 5/SP2.0 - SUPPORT POSTS AT 6'-0" O.C. MAX.
5. NEW 4'-8"H. WROUGHT IRON PICKET FENCE OVER NEW 3'-0"H. MASONRY WALL (GROUTED SOLID) AND NEW 4"x12" CONC. CAP - SEE DETAIL 1/SP2.0 - SUPPORT POSTS TO BE AT 6'-0" O.C. MAX.
6. NEW 8' WROUGHT IRON PICKET FENCE - FIELD COORDINATE BEST LOCATION - SEE DETAIL 3/SP2.0 - 4"x4" POSTS TO BE AT 6'-0" O.C. MAX.
7. NEW ROLLING GATE ON STEEL RAIL EMBEDED IN CONCRETE - SAW CUT ASPHALT PAVING AND RELOCATE EXISTING LANDSCAPING AS REQUIRED - SEE DETAIL 2 & 7 /SP2.0
8. NEW VEHICLE SENSING LOOP PROVIDED AND INSTALLED BY G.C. IN EXISTING ASPHALT PAVEMENT FOR AUTOMATIC GATE EXIT
9. NOT USED
10. AUTOMATIC ROLLING GATE EQUIPMENT - G.C. TO COORDINATE POWER AND WIRING AS REQUIRED - SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS
11. G.C. TO PROVIDE 1-1/2" CONDUIT WITH PULL STRING TO STUB OUT AT 12"x12"x6"D. CONC. PAD FOR SECURITY ACCESS EQUIPMENT - STUB OPP. END TO GATE CONTROL BOX - CABLING PROVIDED AND INSTALLED BY C.O.S. - SEE 13/SP2.1
12. EXISTING RETENTION BASIN TO REMAIN
13. NOT USED
14. NEW CONCRETE PAD FOR ROLLING GATE - SEE DETAIL 8/SP2.1
15. 8" HIGH 8" SQUARE STEEL TUBE FENCE COLUMN
16. NEW 4' W. x 8' H. WROUGHT IRON PICKET MAN GATE - SEE DETAIL 6/SP2.0
17. COORDINATE NEW CONSTRUCTION WITH EXISTING IN GROUND UTILITY BOXES (IRRIGATION, COMMUNICATIONS, CATV, AND ETC..) TO REMAIN
18. TRIM BACK, ADJUST, OR RELOCATE EXISTING LANDSCAPING AS REQUIRED FOR NEW CONSTRUCTION (INCLUDING IRRIGATION LINES) - COORDINATE BEST LOCATION IN FIELD WITH C.O.S. - LEAVE AS MUCH IN PLACE AS POSSIBLE BY JUST TRIMMING BACK EXISTING WHERE POSSIBLE - FIELD COORDINATE W/ C.O.S.
19. SAWCUT, TRENCH, AND REPLACE AND FILL (PER C.O.S. STANDARD DETAIL 2120) AS REQUIRED FOR (2) NEW 1 1/2" CONDUIT RUNS FROM ACCESSIBLE CEILING ON FIRST FLOOR (COMMUNITY ROOM) FOR POWER, JAIL PHONE, AND FUTURE CCTV TO THE GATE MOTOR CONTROL BOX. ALSO PROVIDE (2) SEPARATE 1 1/2" CONDUIT RUNS FROM ACCESSIBLE CEILING AT STATION OFFICERS DESK TO GATE MOTOR CONTROL BOX - SEE ELECTRICAL DRAWINGS AND COORDINATE WITH C.O.S.
20. TRIM WEST HALF OF TREE AND REMOVE DEBRIS TO ALLOW FOR NEW CONSTRUCTION AS REQUIRED
21. REROUTE EXISTING RIVER ROCK DRAINAGE PATH TO AVOID NEW CONSTRUCTION - COORDINATE WITH C.O.S. IN FIELD
22a. REMOVE EXISTING SECURITY CAMERA AND RELOCATE PER "22b"
22b. RELOCATE SECURITY CAMERA FROM NOTE "22a" TO THIS LOCATION (V.I.F. WITH C.O.S.)
23a. REMOVE BUILDING SIGNAGE AND RELOCATE PER NOTE "23b" -
23b. RELOCATE "23a" C.O.S. BUILDING SIGNAGE TO THIS LOCATION (V.I.F. WITH C.O.S.)
24a. REMOVE EXISTING SIGNAGE LIGHTING - RELOCATE PER "24b"
24b. RELOCATE "24a" BUILDING SIGNAGE LIGHTING TO THIS LOCATION (V.I.F. WITH C.O.S.)
25. G.C. TO NOTCH NEW WALL CONSTRUCTION FOR PASS THRU OF EXISTING REFRIGERANT LINE OR RELOCATE LINE TO AVOID CONFLICT - (V.I.F. W/ C.O.S.)
26. EXISTING GROUND COMMUNICATIONS EQUIPMENT VAULT TO REMAIN - PROTECT DURING CONSTRUCTION
27. EXISTING FIBER AND COPPER (4) 1.5" QUAD DUCT TO REMAIN - PROTECT DURING CONSTRUCTION - USE PRIVATE LOCATOR SERVICE AND POT HOLING TO FIND EXACT LOCATION
28. EXISTING FIBER AND COPPER (4) 1.5" QUAD DUCT, PROTECT IN PLACE.
29. EXISTING FIBER AND COPPER (2) 1.5" QUAD DUCT, PROTECT IN PLACE.
30. EXISTING #3 VAULT (FIBER AND COPPER) PROTECT IN PLACE.
31. FOOTING CONFLICT AT EXISTING UNDERGROUND ROOF DRAINS (POTHOLE DIG AT INTERSECTION) - FIELD COORDINATE CONSTRUCTION WITH DETAIL 19/SP2.2 AND C.O.S.
32. NOT USED
33. INSTALL EXTERNAL SENSOR PHOTO EYES AND GATE EDGES - FOR GATE CAPABILITY OF REVERSING IN EITHER DIRECTION UPON SENSING OBSTRUCTION (VERIFY WITH C.O.S.)
34. EXISTING D.G. TO REMAIN (RESTORE AND REPLACE WITH SAME TYPE AS REQUIRED DUE TO NEW CONSTRUCTION)
35. CUT BACK EXISTING TREE ONLY AS REQUIRED TO ACCOMMODATE NEW WROUGHT IRON FENCING INSTALLATION.
36. EXISTING FENCE TO REMAIN
37. EXISTING CONCRETE SIDEWALK, FLAGPOLES, ETC.. TO REMAIN
38. EXISTING SIDEWALK TO REMAIN
39. HARDEN INTERIOR GLAZING WINDOWS AT POLICE RECEPTION DESK - SEE TYPES ON SP2.2

SITE PLAN GENERAL NOTES

A. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY AND DOCUMENT THE EXISTING CONDITION OF ITEMS REQUIRED TO REMAIN PRIOR TO SUBMITTAL OF PROPOSAL. ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO EXISTING TO REMAIN ITEMS SHALL BE REPAIRED TO THE ORIGINAL CONDITIONS BY THE CONTRACTOR.

B. SLOPE ALL GRADES AND PAVEMENT AWAY FROM BUILDINGS TO PROVIDE POSITIVE DRAINAGE, UNLESS NOTED OTHERWISE.

C. FINISH GRADE AS SIDEWALKS, BUILDINGS, ETC. AS REQUIRED TO PROVIDE A SMOOTH TRANSITION TO GRADE.

D. CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE ON A CONTINUING BASIS FOR THE DURATION OF CONSTRUCTION.

E. PERFORM ALL CLEARING, GRUBBING AND EARTHWORK IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, UNLESS MORE RESTRICTIVE REQUIREMENTS EXIST. - SEE SPECIFICATIONS MANUAL FOR PREVIOUS EXISTING SOILS REPORT DATED 06/2008.

F. ALL PROPOSED IMPORTED FILL MATERIAL SHALL BE TESTED BY A QUALIFIED TESTING AGENCY TO VERIFY THAT IT MEETS ALL SPECIFIED REQUIREMENTS, PRIOR TO PLACING ON SITE.

G. DIMENSIONS ARE TO OUTSIDE FACE OF STEM WALLS/FOUNDATIONS UNLESS NOTED OTHERWISE.

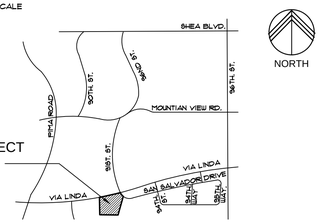
H. TRIM BACK, ADJUST, OR RELOCATE EXISTING LANDSCAPING AS REQUIRED FOR NEW CONSTRUCTION (INCLUDING IRRIGATION LINES).

I. UNLESS DIMENSIONED OTHERWISE, ALL CONSTRUCTION ANGLES ARE 90 DEGREES

J. PROTECT ALL EXISTING CONDITIONS AND ENSURE CONTINUAL OPERATION OF UTILITIES DURING CONSTRUCTION. COORDINATE ANY INTERRUPTION IN UTILITY SERVICES WITH THE CITY OF SCOTTSDALE.

VICINITY MAP

NOT TO SCALE



NOTE:
ALL SCREENED ELEMENTS INDICATE EXISTING CONSTRUCTION TO REMAIN.

SITE PLAN

SCALE: 1" = 20'-0"

40' 160' 0 80' 320'

NORTH PROJECT NORTH

Call at least two full working days before you begin excavation.
ARIZONA 811 Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

NOTE: CONTRACTOR TO ALSO HIRE A PRIVATE DETECTION COMPANY TO LOCATE ALL EXISTING UNDERGROUND UTILITIES.

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com
Site & building design team:
Principal architect: Jim Larson
Design: Fernando Mercado & Scott Wantola

CPM
Capital Project Management
7447 East Indian School Road, Suite 205
Scottsdale Arizona

CITY OF SCOTTSDALE

Larson
Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com

REGISTERED ARCHITECT
CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Date Signed
Feb 05, 2013
EXPIRES: 6/30/2015

City of Scottsdale
Public Improvement

District 3 Police Station TARGET HARDENING

9045 East Via Linda
SCOTTSDALE, ARIZONA 85258

PROJECT NUMBER: 2012-031

Submittals

Date	Submittal

Revisions

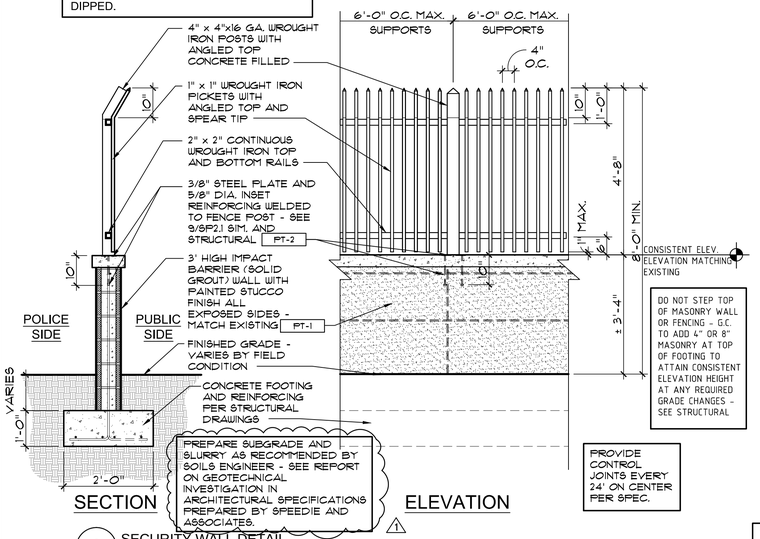
Date	Revisions
02-05-2013	1 ADDENDUM #1

Sheet Name: SITE PLAN

Sheet Number: SP1.0

DR/STAFF APPROVAL #: 254-SA-2012; BID #13PB030; PLAN REVIEW #

WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.

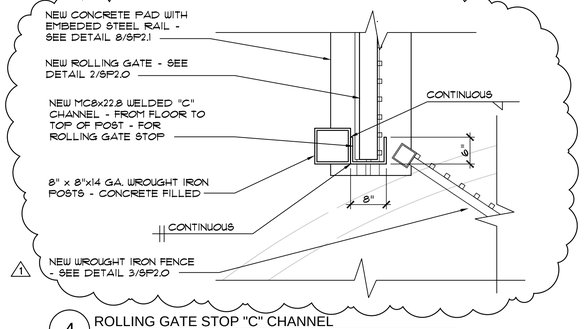


DO NOT STEP TOP OF MASONRY WALL OR FENCING - G.C. TO ADD 4" OR 8" MASONRY AT TOP OF FOOTING TO ATTAIN CONSISTENT ELEVATION HEIGHT AT ANY REQUIRED GRADE CHANGES - SEE STRUCTURAL

PROVIDE CONTROL JOINTS EVERY 24' ON CENTER PER SPEC.

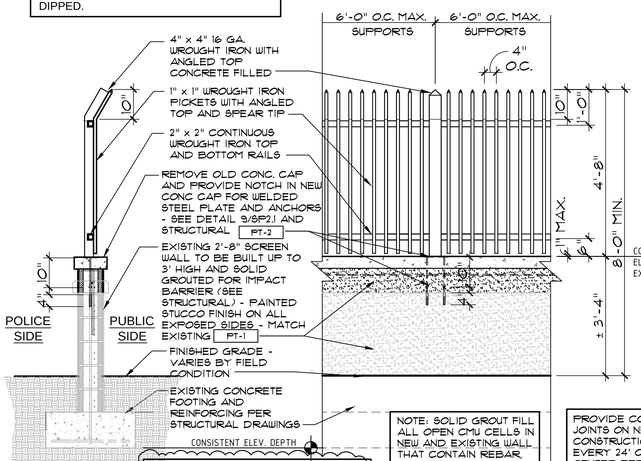
PREPARE SUBGRADE AND SLURRY AS RECOMMENDED BY SOILS ENGINEER - SEE REPORT ON GEOTECHNICAL INVESTIGATION IN ARCHITECTURAL SPECIFICATIONS PREPARED BY SPEEDIE AND ASSOCIATES.

1 SECURITY WALL DETAIL
SCALE: 1/2" = 1'-0"



4 ROLLING GATE STOP "C" CHANNEL
SCALE: 3/4" = 1'-0"

WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.



NOTE: SOLID GROUT FILL ALL OPEN CMU CELLS IN NEW AND EXISTING WALL THAT CONTAIN REBAR, TIES OR POSTS.

PROVIDE CONTROL JOINTS ON NEW CONSTRUCTION EVERY 24' ON CENTER PER SPEC.

PREPARE SUBGRADE AND SLURRY AS RECOMMENDED BY SOILS ENGINEER - SEE REPORT ON GEOTECHNICAL INVESTIGATION IN ARCHITECTURAL SPECIFICATIONS PREPARED BY SPEEDIE AND ASSOCIATES.

5 SECURTIY WALL AT EXISTING LOW WALL
SCALE: 3/8" = 1'-0"

Larson Associates Architects, Inc.
3807 North 24th Street, Suite 100
Phoenix, AZ 85016
602.955.9929 602.954.4790 FAX
design@larson-architects.com
Site & building design team
Principal architect: Jim Larson
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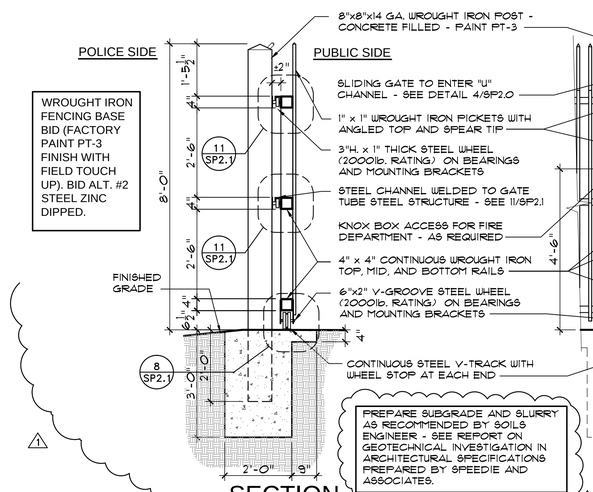
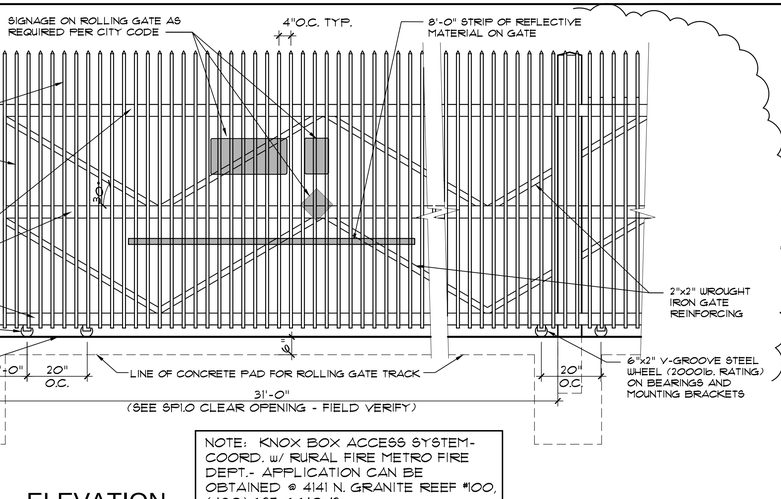
WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.



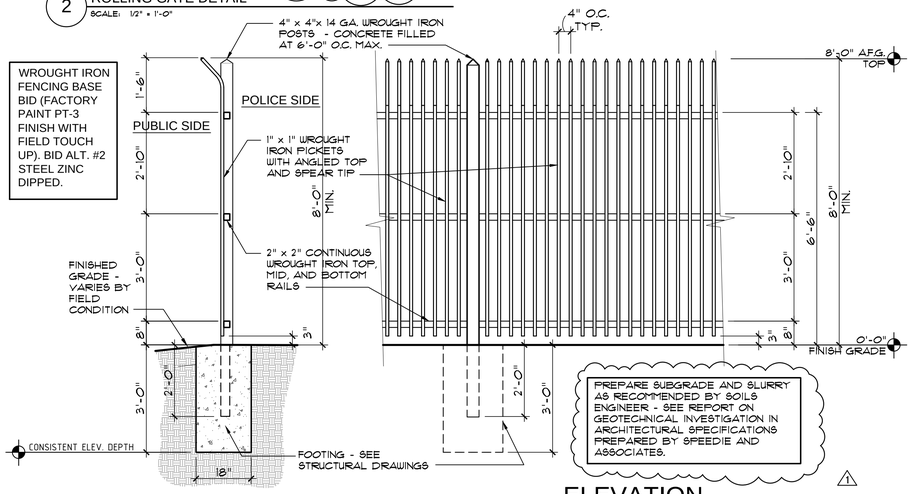
PREPARE SUBGRADE AND SLURRY AS RECOMMENDED BY SOILS ENGINEER - SEE REPORT ON GEOTECHNICAL INVESTIGATION IN ARCHITECTURAL SPECIFICATIONS PREPARED BY SPEEDIE AND ASSOCIATES.



NOTE: KNOX BOX ACCESS SYSTEM- COORD. W/ RURAL FIRE METRO FIRE DEPT.- APPLICATION CAN BE OBTAINED @ 4141 N. GRANITE REEF #100, (480) 627-6610-12

2 ROLLING GATE DETAIL
SCALE: 1/2" = 1'-0"

WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.



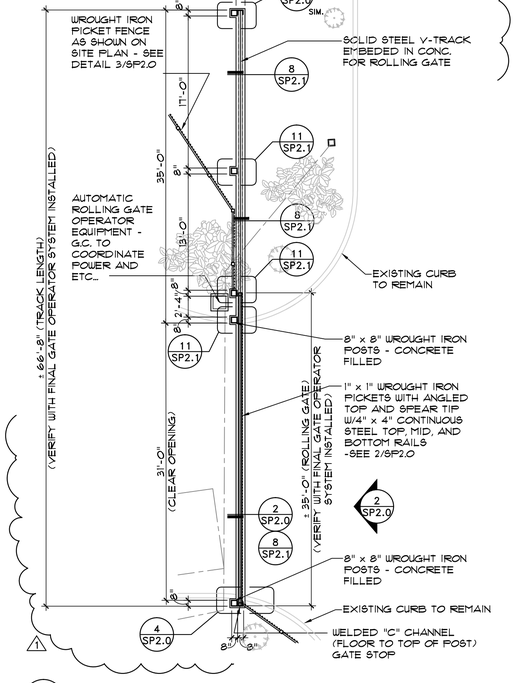
PREPARE SUBGRADE AND SLURRY AS RECOMMENDED BY SOILS ENGINEER - SEE REPORT ON GEOTECHNICAL INVESTIGATION IN ARCHITECTURAL SPECIFICATIONS PREPARED BY SPEEDIE AND ASSOCIATES.

WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.

PROVIDE UNDERGROUND CONDUIT SLEEVES FOR GROUND LOOP SENSOR WIRING - TWO 2" CONDUITS - G.C. TO MARK LOCATIONS AND CAP ENDS WATER TIGHT

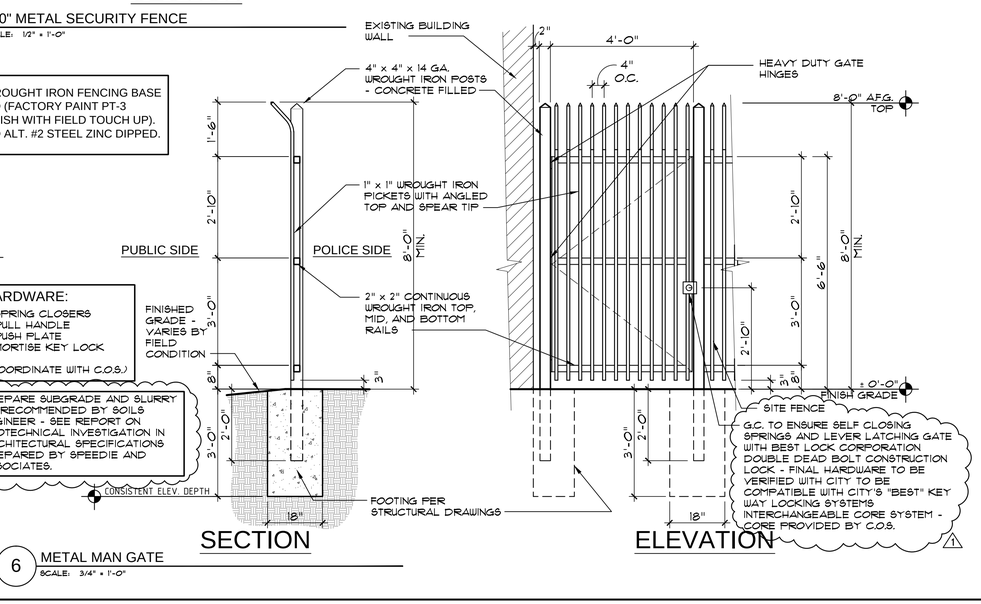
ADD CONTROL JOINTS PER DETAIL 10/SP2.1 EVERY 20' ON CENTER.

G.C. TO PROVIDE EXTERNAL SENSOR PHOTO EYES, GATE EDGES, OR COMBINATION THEREOF AS CHOSEN BY THE CITY OF SCOTTSDALE - INSTALL SO GATE IS CAPABLE OF REVERSING IN EITHER DIRECTION UPON SENSING OBSTRUCTION.



7 ROLLING GATE PLAN
SCALE: 1/8" = 1'-0"

WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.



HARDWARE:
- SPRING CLOSERS
- PULL HANDLE
- PUSH PLATE
- MORTISE KEY LOCK

(COORDINATE WITH C.O.S.)

PREPARE SUBGRADE AND SLURRY AS RECOMMENDED BY SOILS ENGINEER - SEE REPORT ON GEOTECHNICAL INVESTIGATION IN ARCHITECTURAL SPECIFICATIONS PREPARED BY SPEEDIE AND ASSOCIATES.

SITE FENCE
G.C. TO ENSURE SELF CLOSING SPRINGS AND LEVER LATCHING GATE WITH BEST LOCK CORPORATION DOUBLE DEAD BOLT CONSTRUCTION LOCK - FINAL HARDWARE TO BE VERIFIED WITH CITY TO BE COMPATIBLE WITH CITY'S "BEST" KEY WAY LOCKING SYSTEMS INTERCHANGEABLE CORE SYSTEM - CORE PROVIDED BY C.O.S.

3 8'-0" METAL SECURITY FENCE
SCALE: 1/2" = 1'-0"

6 METAL MAN GATE
SCALE: 3/4" = 1'-0"

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CERTIFICATE NO. 9252
JAMES LAWRENCE LARSON
Feb 15, 2013
EXPIRES: 6/30/2015

City of Scottsdale
Public Improvement

District 3 Police Station TARGET HARDENING

9045 East Via Linda
SCOTTSDALE, ARIZONA 85258

PROJECT NUMBER: 2012-031

Submittals

Date	Submittal

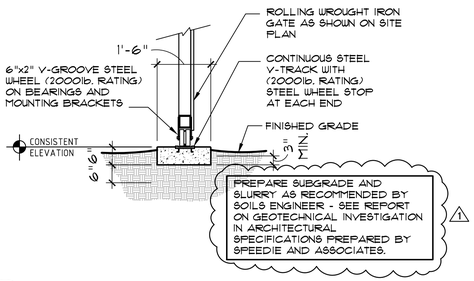
Revisions

Date		Revisions
02-05-2013	1	ADDENDUM #1

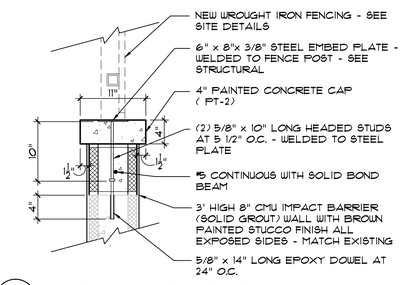
Sheet Name: SITE DETAILS

Sheet Number: SP2.0

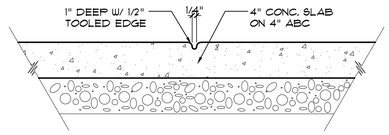
DR/STAFF APPROVAL #: 254-SA-2012; BID #13PB030; PLAN REVIEW #



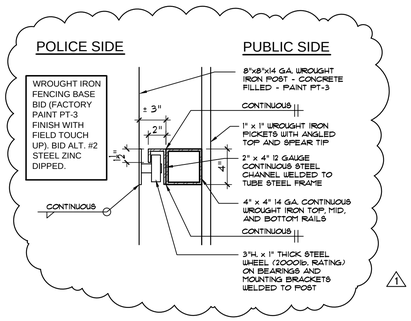
8 ROLLING GATE TRACK
SCALE: 1/2" = 1'-0"



9 SECURITY WALL CONCRETE CAP
SCALE: 1" = 1'-0"

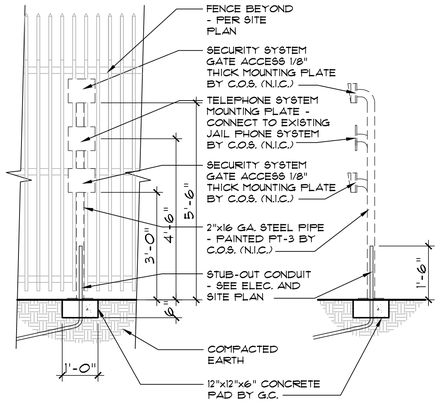


10 CONTROL JOINT
SCALE: 1" = 1'-0"



11 ROLLING GATE MIDDLE & UPPER WHEEL AND CHANNEL
SCALE: 1" = 1'-0"

NOTE: FUTURE SECURITY GATE ACCESS SYSTEM AND PEDESTAL SUPPLIED AND INSTALLED BY C.O.S. - C.O.S TO COORDINATE SECURITY SYSTEM MOUNTING PLATE SIZES AND BOLT PATTERN WITH EQUIPMENT. (N.I.C.)



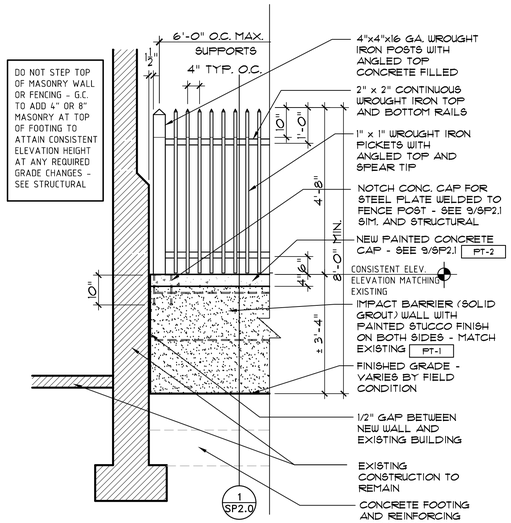
FRONT ELEVATION

CITY OF SCOTTSDALE TO PROVIDE AND INSTALL KEYPAD, PEDESTAL, WIRING, AND PHONE)

SIDE ELEVATION

13 ELECTRIC KEY PAD (CONDUIT & CONC. PAD ONLY IN THIS PROJECT)
SCALE:

WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.

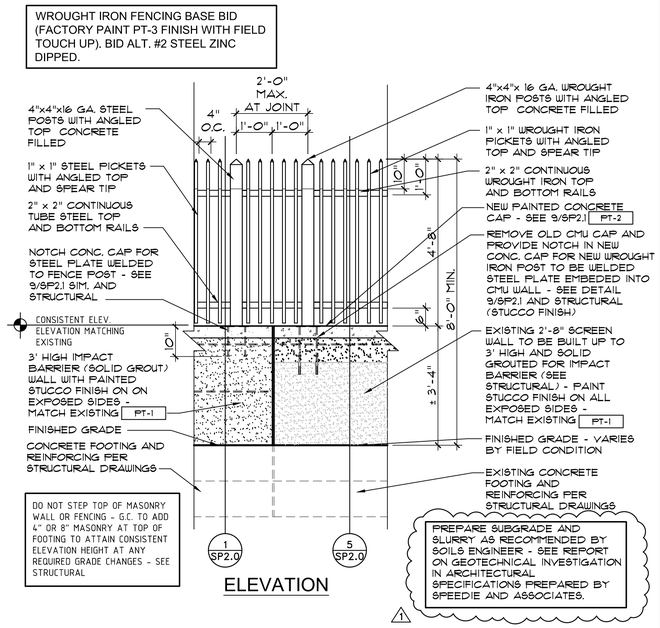


SECTION THROUGH EXISTING WALL

PREPARE SUBGRADE AND SLURRY AS RECOMMENDED BY SOILS ENGINEER - SEE REPORT ON GEOTECHNICAL INVESTIGATION IN ARCHITECTURAL SPECIFICATIONS PREPARED BY SPEEDIE AND ASSOCIATES.

14 THORN WALL - EXISTING SITE WALL
SCALE: 1/2" = 1'-0"

WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.



ELEVATION

PREPARE SUBGRADE AND SLURRY AS RECOMMENDED BY SOILS ENGINEER - SEE REPORT ON GEOTECHNICAL INVESTIGATION IN ARCHITECTURAL SPECIFICATIONS PREPARED BY SPEEDIE AND ASSOCIATES.

15 THORN WALL - EXISTING SITE WALL
SCALE: 1/2" = 1'-0"

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Sheet Name: SITE DETAILS

Sheet Number: SP2.1

DR/STAFF APPROVAL #: 254-SA-2012; BID #13PB030; PLAN REVIEW #

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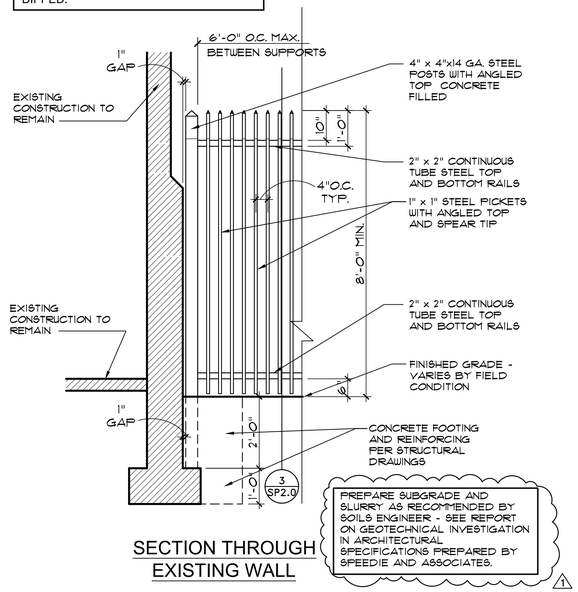
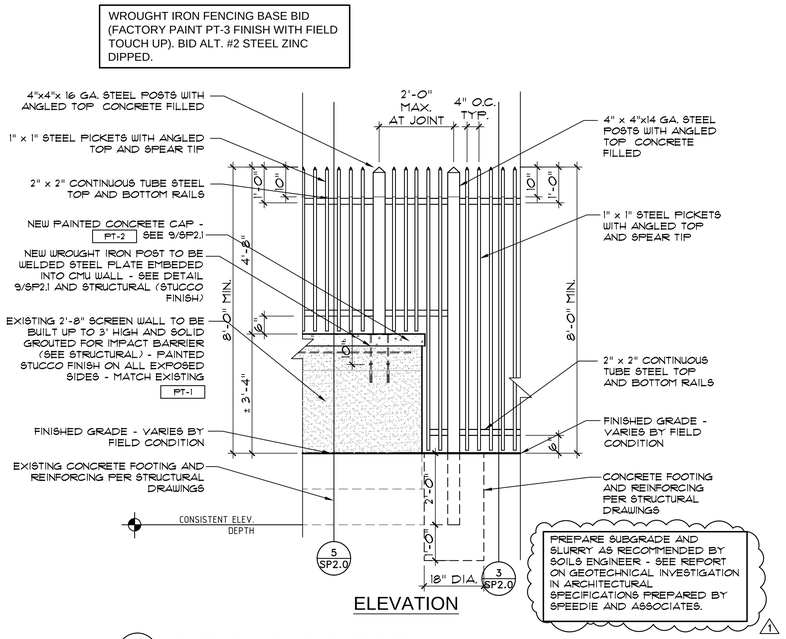


SECTION THROUGH EXISTING WALL

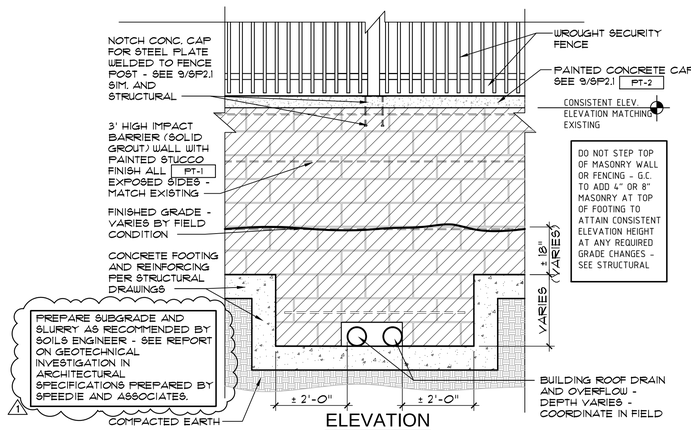
17 NEW FENCE AT EXISTING WALL
SCALE: 1/2" = 1'-0"

WROUGHT IRON FENCING BASE BID (FACTORY PAINT PT-3 FINISH WITH FIELD TOUCH UP). BID ALT. #2 STEEL ZINC DIPPED.



ELEVATION

18 NEW FENCE AT EXISTING MODIFIED LOW WALL
SCALE: 1/2" = 1'-0"



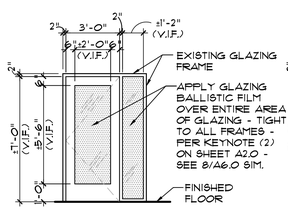
ELEVATION

19 NEW FENCE AT EXISTING UNDERGROUND ROOF DRAIN
SCALE: 1/2" = 1'-0"

EXISTING INTERIOR LOBBY GLAZING - HARDENING (8 WINDOWS)

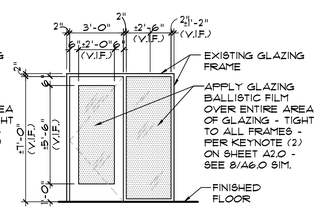
SCALE: 1/4" = 1'-0"

SIDE ENTRY AT LOBBY RECEPTION DESK



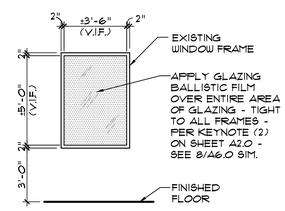
TYPE "1"
SCALE: 1/4" = 1'-0"

SIDE ENTRY AT LOBBY RECEPTION DESK



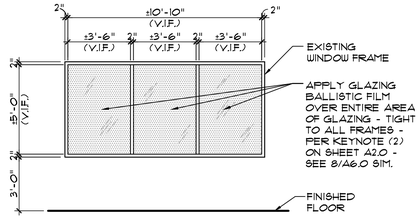
TYPE "2"
SCALE: 1/4" = 1'-0"

SIDE GLAZING AT LOBBY RECEPTION DESK



TYPE "3"
SCALE: 1/4" = 1'-0"

SIDE GLAZING AT LOBBY RECEPTION DESK



TYPE "4"
SCALE: 1/4" = 1'-0"

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Revisions

Date	Revisions
02-05-2013	1 ADDENDUM #1

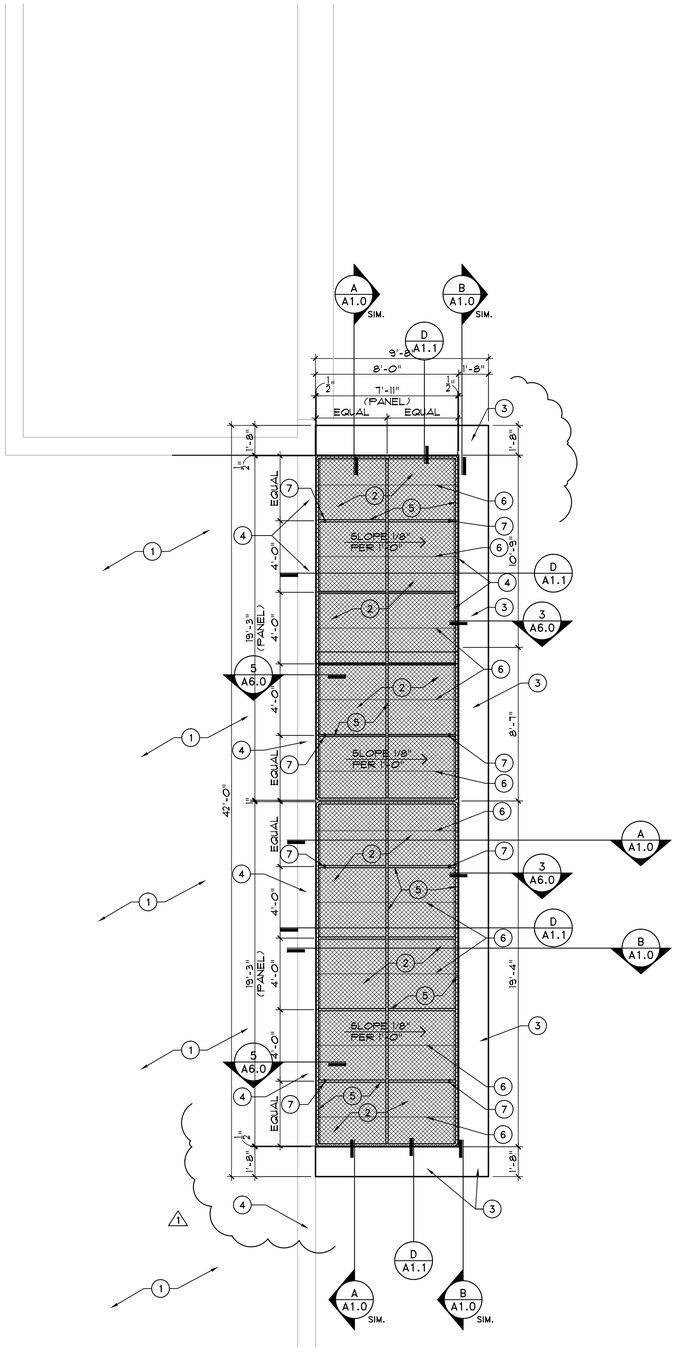
Sheet Name: SITE DETAILS

Sheet Number: SP2.2

DR/STAFF APPROVAL #: 254-SA-2012; BID # 13PB030; PLAN REVIEW #

ROOF/FRAMING PLAN KEYED NOTES:

1. EXISTING ROOF CONSTRUCTION TO REMAIN - REPAIR ANY DAMAGE CAUSED DURING CONSTRUCTION TO LIKE NEW CONDITION - TYPICAL
2. (2) REMOVABLE PANELS WITH 9 GA. GALVANIZED CHAIN LINK FABRIC (5/8" OPENINGS) SET ON 3"x3"x3/16" CONTINUOUS STEEL ANGLE LEDGER ON WEST AND EAST SIDES. PANELS ARE GRAVITY HELD IN PLACE - RESTING ON STEEL ANGLES
3. GALVANIZED METAL FLASHING CAP OVER PARAPET (MATCH EXISTING) - SEE A 4 B/A1.0
4. EXISTING PARAPET CAP WITH NEW STEEL LEDGER ANGLE - SEE DETAIL 5/A6.0
5. 1 1/2" PIPE STANDARD GALVANIZED PIPE FRAME
6. 1/8" STEEL TENSIONED CABLES AT 48" O.C. - WOVEN THRU CHAIN LINK FENCING
7. 1" GALVANIZED HOISTING RING - TYPICAL 4 PER FENCE PANEL (CARRLANE STAINLESS STEEL SWIVEL HOIST RING -5,000lb. 1" -8) SEE PLAN (VERIFY SPEC. W/ C.O.S.)

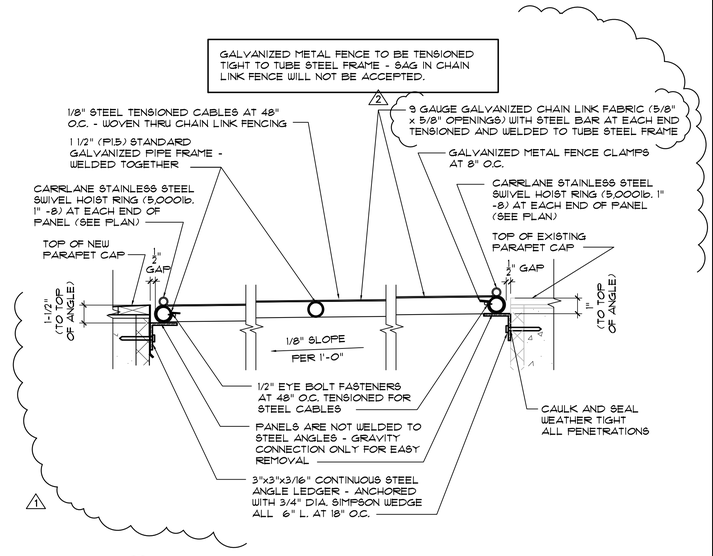


3 PARTIAL ROOF PLAN - BID ALTERNATE #1
SCALE: 1/4"=1'-0"

NOTE:
ALL SCREENED ELEMENTS INDICATE EXISTING CONSTRUCTION TO REMAIN.

NORTH

GALVANIZED METAL FENCE TO BE TENSIONED TIGHT TO TUBE STEEL FRAME - SAG IN CHAIN LINK FENCE WILL NOT BE ACCEPTED.



D REMOVABLE FENCE PANEL - BID ALTERNATE #1
SCALE: 1 1/2"=1'-0"

ALL DIMENSIONS AND CONDITIONS INDICATED IN THIS DESIGN ARE APPROXIMATE AND NOT EXACT. G.C. TO FIELD VERIFY AND COORDINATE BEST POSSIBLE CODE COMPLIANT CONSTRUCTION AND NOTIFY C.O.S. AND ARCHITECT OF ANY DISCREPANCIES THAT WILL ADVERSELY EFFECT CONSTRUCTION AND/OR DESIGN - NO SURVEY WAS AVAILABLE DURING DESIGN NOR PART OF DESIGN CONTRACT.

THE ARCHITECT IS NOT RESPONSIBLE FOR SECURITY RELATED PROBLEMS IF THE G.C. DEVIATES FROM THE CITY APPROVED SET OF DRAWINGS - ANY AND ALL SUBSTITUTIONS RELATED TO SECURITY RELATED ITEMS ARE NOT ALLOWED UNLESS CONFIRMED IN WRITING FROM CITY OF SCOTTSDALE.

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02-05-2013	1 ADDENDUM #1
02-13-2013	2 ADDENDUM/ REVISION #2

Sheet Name
PARTIAL UPPER PLAN
PARTIAL ROOF PLAN
(BID ALTERNATE #1)

Sheet Number
A1.1

DR/STAFF APPROVAL #: 254-SA-2012; BID #: 13PB030; PLAN REVIEW #

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ROOM FINISH SCHEDULE

RM NO.	ROOM NAME	FLOOR		BASE	WALLS				CEILING			REMARKS
		MATERIAL	FINISH	MATERIAL	NORTH	EAST	SOUTH	WEST	MATERIAL	FINISH	HEIGHT	
100	MECHANICAL SHAFT	EXIST. CONC.	-	EXIST. CONC.	PT-2	PT-2	PT-2	PT-2	OPEN	-	SLOPED	SEE WALL SECTIONS ON SHEET A1.0

FINISH COLOR AND PRODUCT SCHEDULE

ITEM	DESCRIPTION & LOCATION	MANUFACTURER	PRODUCT NUMBER, COLOR, & STYLE	NOTES & CONTACT
	WALLS			
PT-1	PAINT (LOWER BASE AND BAND PAINT - ACCENT)	DUNN EDWARDS PAINT	DE6110 WARM HEARTH (SIMILAR - FIELD ADJUST TO MATCH)	CONTRACTOR MUST FIELD ADJUST PAINT TO MATCH DUE TO SUN FADING OVER TIME (PAINT ENTIRE WALL SECTIONS WITH NEW PAINT)
PT-2	PAINT (TYPICAL WALLS)	DUNN EDWARDS PAINT	DE6197 MODERN IVORY (SIMILAR - FIELD ADJUST TO MATCH)	CONTRACTOR MUST FIELD ADJUST PAINT TO MATCH DUE TO SUN FADING OVER TIME (PAINT ENTIRE WALL SECTIONS WITH NEW PAINT)
PT-3	PAINT (STEEL FENCING ELEMENTS)	DUNN EDWARDS PAINT	DEA187 BLACK	MATCH EXISTING STEEL FENCE PAINT
				FOR "PT-1" AND "PT-2" MATCH EXISTING BUILDING TEXTURE AND PAINT COLOR WITH ANTICIPATION OF SUN FADING OF MORE THAN 10 YEARS - FINAL COLORS TO MATCH TWO YEARS AFTER COMPLETION OF PROJECT. CONFIRM PAINT SAMPLES WITH OWNER AND ARCHITECT PRIOR TO PAINTING

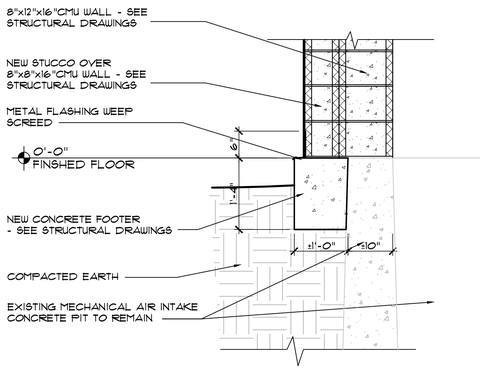
ALL STAIRS AND HALLWAYS USED TO SERVICE CONSTRUCTION IS TO BE CLEAN & OR REPAIRED TO LIKE NEW CONDITION AFTER CONSTRUCTION IS FINISHED

ALL FINISHES ARE NOT FINAL - ALL FINISHES ARE TO BE CONFIRMED WITH THE CITY OF SCOTTSDALE

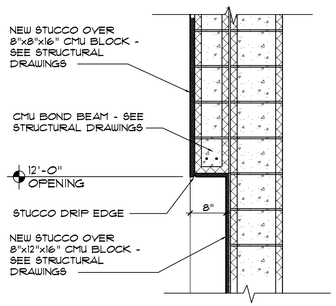
ALL MATERIALS ARE TO BE OF HIGH GRADE QUALITY. SUB PAR MATERIALS AND CRAFTSMAN SHIP WILL BE REJECTED. ALL MANUFACTURES AND COLOR SELECTIONS ARE TO BE CONFIRMED WITH OWNER.

INTERIOR FINISH ABBREVIATIONS

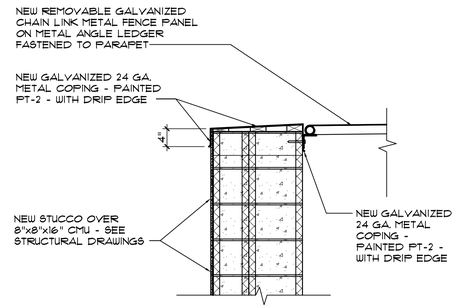
CODE	MATERIAL
ACT	SUSPENDED ACOUSTIC TILE
AL	ALUMINUM
C-BLK	CONCRETE BLOCK WALL
CCT	COVED CERAMIC TILE
CONC	CONCRETE
CONC-S	CONCRETE SEALED
CPT	CARPET
COS	CITY OF SCOTTSDALE
CT	CERAMIC TILE
G	GROUT
GB	GYPSUM BOARD
GL	GLASS
HM	HOLLOW METAL
HCWD	HOLLOW CORE WOOD DOOR
MCH-EX	MATCH EXISTING
MT	MARBLE TILE
PCT	PORCELAIN CERAMIC TILE
PL	PLASTIC LAMINATE
PT	PAINT
QT	QUARRY TILE
RBR	RUBBER COVE
SC	SOLID CORE
SCWD	SOLID CORE WOOD DOOR
SS	STAINLESS STEEL
ST	STAIN
STP	STAINED & POLISHED
T	TILE
VCF	VINYL COMPOSITION TILE
WD	WOOD



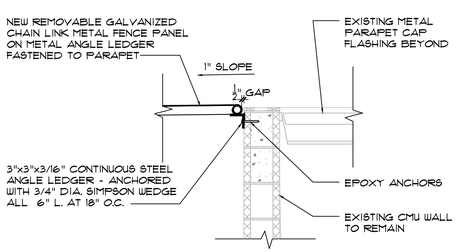
1 CONCRETE FOOTING - BID ALTERNATE #1
SCALE: 3/4" = 1'-0"



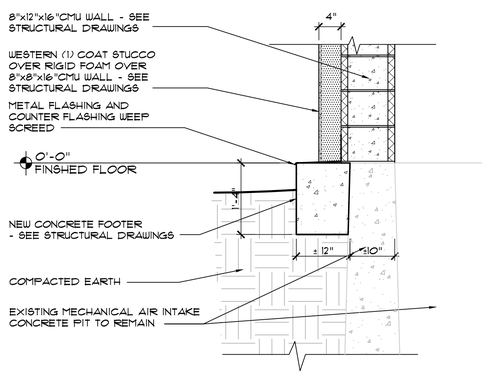
2 EXTERIOR SOFFIT - BID ALTERNATE #1
SCALE: 3/4" = 1'-0"



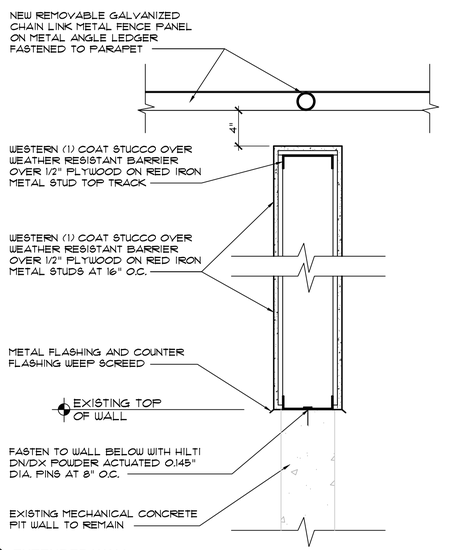
3 ROOF CAP DETAIL - BID ALTERNATE #1
SCALE: 3/4" = 1'-0"



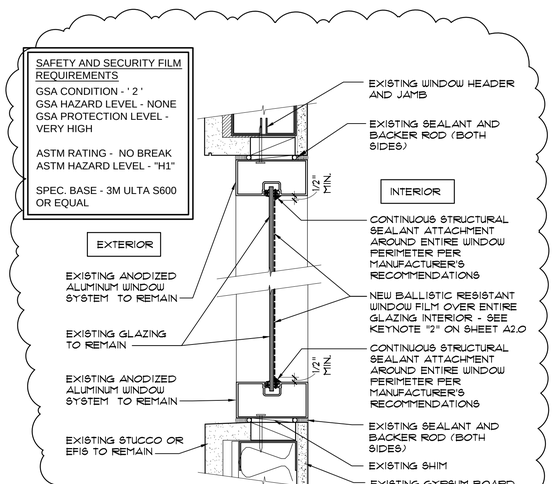
5 TUBE STEEL TO ROOF CONNECTION - BID ALTERNATE #1
SCALE: 3/4" = 1'-0"



6 BASE WALL DETAIL - BID ALTERNATE #1
SCALE: 3/4" = 1'-0"



7 EXTENDED WALL
SCALE: 3/4" = 1'-0"



2
8 SAFETY AND SECURITY WINDOW FILM
SCALE: 3" = 1'-0"

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Date	Submittal

Revisions

Date		Revisions
02-05-2013	1	ADDENDUM #1
02-13-2013	2	ADDENDUM/ REVISION #2

Sheet Name
SCHEDULES AND DETAILS

Sheet Number
A6.0

DR/STAFF APPROVAL #: 254-SA-2012; BID #13PB030; PLAN REVIEW #

GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED OTHERWISE

BUILDING CODE:

2006 EDITION OF THE INTERNATIONAL BUILDING CODE, WITH CITY OF SCOTTSDALE AMENDMENTS.

LOADS:

ROOF LIVE LOAD = 20 PSF (REDUCIBLE).
TOTAL ROOF DEAD LOAD = 10 PSF.
V3s = 90 MPH WIND SPEED, EXPOSURE C.
WIND IMPORTANCE FACTOR, Iw = 1.15
OCCUPANCY CATEGORY = IV
INTERNAL PRESSURE COEFFICIENT, GCpi = ± 0.55.
METHOD 2 - ANALYTICAL PROCEDURE (SECT. 6.5.12.4 ASCE 7-05).
COMPONENTS AND CLADDING
ZONE 4 = 24.0 psf/-25.8 psf
ZONE 5 = 24.0 psf/-28.8 psf
SEISMIC CRITERIA:
SEISMIC USE GROUP I
SEISMIC DESIGN CATEGORY C
Ss = 0.206
S1 = 0.068
SITE CLASS D
Sds = 0.219
Sd1 = 0.106
Cs = 0.094
SEISMIC IMPORTANCE FACTOR, Ie = 1.5
R = 3.5 (BID - ALT #1)
BASIC SEISMIC FORCE RESISTING SYSTEM = A5 - INTERMEDIATE REINFORCED MASONRY SHEAR WALLS (BID - ALT #1)
ANALYSIS PROCEDURE - EQIVALENT LATERAL FORCE ANALYSIS.

FOUNDATIONS:

SOIL REPORT BY SPEEDIE & ASSOC., JOB No. 08078SA. MINOR STRUCTURES (SCREEN WALLS). SPREAD FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOIL 1'-6" MINIMUM BELOW FINISHED GRADE. FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET FOR PERIMETER FOOTINGS. DESIGN SOIL BEARING VALUE = 1,500 PSF FOR CONTINUOUS FOOTINGS. IF FIRM, UNDISTURBED NATIVE SOIL IS NOT AT 1'-6" B.F.S. REFER TO DETAIL 106/S8.1 FOR ADDITIONAL FOOTING INSTRUCTIONS. FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.

MAJOR STRUCTURES (BUILDINGS) NEAT SPREAD FOOTINGS SHALL BEAR ON 2'-0" OF 500 PSI OR 2 SACK SLURRY AT A MINIMUM 1'-6" BELOW FINISHED GRADE. FILL PLACEMENT AND QUALITY IS DEFINED IN THE "FILL AND BACKFILL" SECTION OF THE 2006 SITE SOILS REPORT. FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET FOR PERIMETER FOOTINGS. DESIGN SOIL BEARING VALUE = 2,500 PSF FOR CONTINUOUS FOOTINGS. FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.

CONCRETE:

MINIMUM 28 DAY STRENGTH 3,000 PSI EXCEPT AS FOLLOWS:

SLABS ON GRADE ---------- 3,000 PSI
FOUNDATIONS ---------- 2,500 PSI

MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND UNDER-FLOOR DUCTS, ETC. MAXIMUM SLUMP 4 1/2" FOR CONCRETE WITHOUT PLASTICIZER. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL. CAST CLOSURE POUR AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED. UNLESS APPROVED OTHERWISE IN WRITING BY THE ARCHITECT, ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY CONTROL JOINTS (KEYED OR SAW CUT), AS SHOWN ON THE FOUNDATION PLAN, SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 200 SQUARE FEET. KEYED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING, ALL OTHER JOINTS MAY BE SAW CUT.

REFER TO PROJECT MASTER SPECIFICATIONS SECTION 03 30 00, PART 1.05 FOR CAST-IN-PLACE CONCRETE MIX DESIGN SUBMITTALS.

MASONRY:

HOLLOW CONCRETE MASONRY UNITS (MEDIUM WEIGHT) SHALL CONFORM TO ASTM C90, GRADE N, TYPE I, F'm = 1,500 PSI, RUNNING BOND, MORTAR TYPE S, 1,800 PSI. GROUT 2,000 PSI. MECHANICALLY VIBRATE GROUT IN VERTICAL SPACES IMMEDIATELY AFTER POURING AND AGAIN ABOUT 5 MINUTES LATER. PROVIDE CLEANOUTS IF GROUT LIFT EXCEEDS 4'-0" IN BLOCK WALLS. MAXIMUM GROUT LIFT SHALL BE 6'-0" UNLESS NOTED OTHERWISE ON THE PLANS, PLACE CONTROL JOINTS IN MASONRY WALLS SUCH THAT NO STRAIGHT RUN OF WALL EXCEEDS 24'-0". CONTROL JOINTS SHALL NOT OCCUR AT WALL CORNERS, INTERSECTIONS, ENDS, WITHIN 12" OF CONCENTRATED POINTS OF BEARING OR JAMBS, OR OVER OPENINGS UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS. ALL MASONRY BELOW FINISHED FLOOR OR GRADE SHALL BE GROUTED SOLID.

A MINIMUM OF 5/8" MORTAR COVER SHALL BE PROVIDED BETWEEN TIES OF JOINT REINFORCEMENT. ALL REINFORCING BARS, EXCEPT JOINT REINFORCING, SHALL BE COMPLETELY EMBEDDED IN MORTAR OR GROUT AND HAVE A MINIMUM COVER, INCLUDING THE MASONRY UNIT, OF AT LEAST 3/4", 1 1/2" OF COVER WHEN THE MASONRY IS EXPOSED TO WEATHER AND 2" OF COVER WHEN THE MASONRY IS EXPOSED TO SOIL.

THE CLEAR DISTANCE BETWEEN PARALLEL BARS, EXCEPT IN COLUMNS, SHALL NOT BE LESS THAN THE NOMINAL DIAMETER OF THE BARS OR 1 INCH, EXCEPT THAT BARS IN A SPLICE MAY BE IN CONTACT. THIS CLEAR DISTANCE REQUIREMENT APPLIES TO THE CLEAR DISTANCE BETWEEN A CONTACT SPLICE AND ADJACENT SPLICES OR BARS.

THE CLEAR DISTANCE BETWEEN THE SURFACE OF A BAR AND ANY SURFACE OF A MASONRY UNIT SHALL NOT BE LESS THAN 1/2 INCH FOR COARSE GROUT. CROSS WEBS OF HOLLOW UNITS MAY BE USED AS SUPPORT FOR HORIZONTAL REINFORCEMENT.

VERTICAL REINFORCING:

1 #5 IN CENTER OF GROUT AT CENTER OF WALL, CONTINUOUS FULL HEIGHT OF WALL AT ALL CORNERS, INTERSECTIONS, WALL ENDS, BEAM BEARINGS, JAMBS, EACH SIDE OF CONTROL JOINTS AND AT INTERVALS NOT TO EXCEED 48" O.C. UNLESS NOTED OTHERWISE. TIE AT 8'-0" VERTICALLY, WITH SINGLE WIRE LOOP TIE BY A.A. WIRE PRODUCTS COMPANY. LAP SPLICES SHALL BE 48 BAR DIAMETERS FOR GRADE 60 BARS. LAP SPLICES SHALL BE 1.3 X LAP LENGTH WHEN ADJACENT SPLICES ARE SEPERATED BY 3" OR LESS. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH VERTICAL REINFORCING.

HORIZONTAL REINFORCING:

2 #5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT ROOF LINE. 1 #5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT TOP OF PARAPET OR TOP OF A FREESTANDING WALL. PLACE THESE BARS CONTINUOUS THRU CONTROL JOINTS PER TYPICAL DETAIL. PROVIDE BENT BARS PER TYPICAL DETAILS, TO MATCH HORIZONTAL BOND BEAM REINFORCING, AT CORNERS AND WALL INTERSECTION TO MAINTAIN BOND BEAM CONTINUITY. STAGGER SPLICES A MINIMUM OF 40 BAR DIAMETERS. DO NOT SPLICE WITHIN 8'-0" OF CONTROL JOINTS. STANDARD HEIGHT (NO. 9 GAGE WIRE) DUR-O-WAL OR DUR-O-WIRE (OR EQUIVALENT) LADDER TYPE JOINT REINFORCEMENT AT 16" O.C. IN MASONRY WALLS.

LAP SPLICES IN MASONRY:

FOR GRADE 60 BARS, LAP SPLICES SHALL BE AS FOLLOWS:
LAP SPLICE LENGTH SHALL BE Ld = 0.002 dbfs OR 40 BAR DIAMETERS, WHICHEVER IS GREATER.

BAR SIZE	SINGLE BAR CENTERED IN CELL
#5	30"
#6	36"

REINFORCING:

ASTM A615 (Fy = 60 KSI) DEFORMED BARS FOR ALL BARS. ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706. WELDED WIRE FABRIC PER ASTM A185, WIRE PER ASTM A82. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVERAGES AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ---------- 3"
EXPOSED TO EARTH OR WEATHER
#6 OR LARGER ---------- 2"
#5 AND SMALLER ---------- 1 1/2"
ALL OTHER PER LATEST EDITION OF ACI 318.

LAP SPLICES IN CONCRETE:

LAP SPLICES, UNLESS NOTED OTHERWISE, SHALL BE CLASS "B" TENSION LAP SPLICES PER LATEST EDITION OF ACI 318. STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH. LAPS IN WELDED WIRE FABRIC SHALL BE MADE SO THAT THE OVERLAP, MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET, IS NOT LESS THAN THE SPACING OF CROSS WIRES PLUS 2 INCHES. ALL WELDED WIRE FABRIC SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES.

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH STANDARD 90 DEGREE HOOKS UNLESS NOTED OTHERWISE. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.

STRUCTURAL STEEL:

ALL STRUCTURAL STEEL SHALL BE ASTM A992 (Fy = 50 KSI). ALL CHANNELS, ANGLES, AND PLATES SHALL BE ASTM A36 (Fy = 36 KSI). ALL PIPE STEEL SHALL BE ASTM A501 (Fy = 36 KSI) OR ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI). ALL TUBE STEEL SHALL BE ASTM A500 (Fy = 46 KSI). ALL BOLTS SHALL BE ASTM A325, UNLESS NOTED OTHERWISE. ALL CONSTRUCTION PER LATEST AISC HANDBOOK. ALL EXPANSION AND EPOXY BOLTS TO HAVE I.C.C. RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC. SHALL BE INSTALLED WITH STEEL WASHERS AT SLOTTED HOLES IN STEEL SECTIONS. ALL HIGH STRENGTH BOLTING SHALL BE INSPECTED BY AN INDEPENDENT TESTING LABORATORY. ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. CERTIFICATES SHALL BE THOSE ISSUED BY AN ACCEPTED TESTING AGENCY. ALL WELDING DONE BY E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. FOR GRADE 60 REINFORCING BARS, USE E90 SERIES. ALL WELDING PER LATEST AMERICAN WELDING SOCIETY STANDARDS, (EXCEPT STEEL JOISTS SHALL BE ARBY WITH 5% MECHANICAL TESTING). WHERE DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS, THE CONTRACTOR MAY SHOP WELD OR FIELD WELD AT HIS DISCRETION. SHOP WELDS AND FIELD WELDS SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW.

PLYWOOD:

ALL PLYWOOD SHALL BE C-D INTERIOR SHEATHING, STRUCTURAL 2 OR BETTER WITH EXTERIOR GLUE AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. STAGGER JOINTS. ALL NAILING, COMMON NAILS. WHERE SCREWS ARE INDICATED FOR WOOD TO WOOD ATTACHMENTS, USE WOOD SCREWS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATIO AND SHALL BE ATTACHED AS FOLLOWS UNLESS NOTED OTHERWISE.

USE	THICKNESS	SPAN/INDEX RATIO	EDGE ATTACHMENT	INTERMEDIATE ATTACHMENT
SHEAR WALL	15/32"	24/0	#8 SCREWS @ 6" O.C.	#8 SCREWS @ 12" O.C.

EXPANSION BOLTS: (ESR-1771)

STUD TYPE EXPANSION ANCHOR WITH A SINGLE PIECE WEDGE.

FOR MINIMUM BOLT EMBEDMENT LENGTH SEE TYPICAL DETAIL. CONTRACTOR SHALL SUBMIT MANUFACTURER'S SIZE AND STRENGTH DATA TO ENGINEER THROUGH ARCHITECT PRIOR TO CONSTRUCTION. INSTALL ALL BOLTS AS OUTLINED IN MANUFACTURER'S SPECIFICATIONS, UTILIZING PROPER SIZE AND TYPE OF DRILL, CLEANING HOLE, DRIVING AND TIGHTENING BOLT. NOTES LISTED ABOVE ARE FOR SIMPSON CARBON STEEL "STRONG-BOLT" EXPANSION ANCHORS.

EPOXY ANCHORS: (ESR-1772) (IN MASONRY)

FOR MINIMUM BOLT EMBEDMENT LENGTH SEE TYPICAL DETAIL. CONTRACTOR SHALL SUBMIT MANUFACTURER'S SIZE AND STRENGTH DATA TO ENGINEER THROUGH ARCHITECT PRIOR TO CONSTRUCTION. INSTALL ALL BOLTS AS OUTLINED IN MANUFACTURER'S SPECIFICATIONS, UTILIZING PROPER SIZE AND TYPE OF DRILL, CLEANING HOLE, DRIVING AND TIGHTENING BOLT. NOTES LISTED ABOVE ARE FOR CARBON STEEL SIMPSON SET EPOXY ANCHORS.

EPOXY ANCHORS: (ESR-2508) (IN CONCRETE)

FOR MINIMUM BOLT EMBEDMENT LENGTH SEE TYPICAL DETAIL. CONTRACTOR SHALL SUBMIT MANUFACTURER'S SIZE AND STRENGTH DATA TO ENGINEER THROUGH ARCHITECT PRIOR TO CONSTRUCTION. INSTALL ALL BOLTS AS OUTLINED IN MANUFACTURER'S SPECIFICATIONS, UTILIZING PROPER SIZE AND TYPE OF DRILL. CLEANING HOLE, DRIVING AND TIGHTENING BOLT. NOTES LISTED ABOVE ARE FOR CARBON STEEL SIMPSON SET-XP EPOXY ANCHORS.

COLD FORMED STRUCTURAL STEEL FRAMING:

ALL COLD-FORMED STEEL FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE.

STEEL FOR ALL 18 AND 20 GAGE STUDS AND JOISTS, AND FOR ALL GAGES OF TRACK, ACCESSORIES AND BRIDGING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. STEEL SHALL BE GALVANIZED AT LOCATIONS EXPOSED TO WEATHER AND WHEREVER NOTED.

ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK. UNLESS NOTED OTHERWISE, PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS, BEAM BEARINGS AND JOIST BEARINGS. BRIDGING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION WITH THE FOLLOWING MINIMUM REQUIREMENTS.

FOR WALLS WITH NO AXIAL LOAD, PROVIDE BRIDGING AT MID-HEIGHT FOR WALLS LESS THAN OR EQUAL TO 10'-0" HIGH, AND 5'-0" O.C. MAXIMUM FOR WALLS GREATER THAN 10'-0" HIGH. FOR AXIAL LOAD BEARING WALLS, PROVIDE BRIDGING EQUALLY SPACED AT 4'-0" MAXIMUM. IN ADDITION, BRIDGING SHALL BE PROVIDED AT ROOF LINES AND ELSEWHERE AS NOTED ON THE DRAWINGS. SOLID BLOCKING SHALL BE INSTALLED IN LIEU OF BRIDGING WHERE NOTED ON THE DRAWINGS.

GENERAL:

ALL WELDING SHALL BE PERFORMED BY WELDERS EXPERIENCED IN LIGHT GAGE STRUCTURAL STEEL FRAMING WORK. DO NOT NOTCH FLANGES OF JOISTS OR STUDS. PROVIDE BLOCKING AT SUPPORTS OF ALL JOISTS. DOUBLE UP STUDS AT JAMBS AND AS REQUIRED UNDER BEAMS IN BEARING WALLS.

SHOP DRAWINGS:

SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS.

THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON HIS REVIEW.

VERIFY ALL DIMENSIONS WITH ARCHITECT AND ALL FINISHED GRADE WITH CIVIL DRAWINGS.

ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOUDED BY MANUFACTURER OR FABRICATOR. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY.

THE ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANYTIME BEFORE OR AFTER SHOP DRAWING REVIEW.

THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.

THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.

REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.

GENERAL:

ENTIRE CONTRACT DOCUMENTS SHALL BE USED TO BUILD BUILDING. SOME CRITICAL ITEMS REQUIRED BY OTHER DISCIPLINES MAY NOT BE SHOWN ON STRUCTURAL DRAWING (i.e. WALL, FLOOR AND ROOF OPENING, ARCHITECTURAL, MECHANICAL AND PLUMBING LOADS, SUPPORT PLATES ETC.)

ITEMS SHOWN BY OTHER DISCIPLINES WITH REFERENCE TO STRUCTURAL DRAWING BUT NOT SHOWN ON THESE STRUCTURAL DOCUMENTS SHALL BE CONSIDERED DESIGN BUILD ITEMS. CONTRACTOR SHALL SUBMIT DESIGN BY OTHERS FOR REVIEW.

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS).

CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA.

ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.

OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF HE CHOOSES AN OPTION, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES AND SHALL COORDINATE ALL DETAILS.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

ALL DIMENSIONS SHOWN (INCLUDING ELEVATIONS) ON STRUCTURAL DRAWINGS ARE TO ASSIST CONTRACTOR IN VERIFICATION.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL AND FINISHED GRADE WITH CIVIL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT.

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE.

WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF ARIZONA.

SUPPLIER OF ENGINEERED STRUCTURAL COMPONENTS (i.e. STEEL JOISTS, STAIRS, PRECAST ITEMS) SHALL BE RESPONSIBLE FOR COMPLETE DESIGN AND SHALL USE ENTIRE CONTRACT DOCUMENTS TO INCLUDE ALL LOADS AND DETAIL REQUIREMENTS FROM ALL DISCIPLINES. SUPPLIER SHALL PROVIDE ADDITIONAL MATERIAL REQUIRED TO MEET ALL THEIR REQUIREMENTS FOR INSTALLATION (i.e. WIDER BEARING PLATES, SHIMS, ERECTION BOLTS ETC.).

STRUCTURAL STEEL SUPPLIER SHALL FURNISH BOLTS FOR CONNECTIONS REQUIRED BY OSHA WHERE, NECESSARY.

CONTINUOUS FOUNDATION DRAIN PIPES (FRENCH DRAINS) OR WEEP HOLES SHALL BE PROVIDED BEHIND ALL BASEMENT WALLS AND ALL EXTERIOR RETAINING WALLS THAT RETAIN MORE THAN 3'-0" OF SOIL WEEP HOLES WHERE USED SHALL BE 2" IN DIAMETER AT 6'-0" O.C. MAXIMUM.

SPECIAL INSPECTION:

SEE SHEET SI.IA.

INTERPRETATION OF DRAWINGS

PLAN LEGEND

SYMBOL	DESCRIPTION	REMARKS
DETAIL # / XXX / LOCATION OF DETAIL	DETAIL CUTS SHOWN ON PLANS	TYPICAL DETAILS ARE TWO DIGIT SERIES NUMBERS FOUNDATION DETAILS ARE 100 SERIES DETAILS FRAMING DETAILS ARE 200 SERIES NUMBERS
	STEEL STUD WALL (BID-ALTERNATE #1) U.N.O.	SEE S.S.N., PLANS & SCHED. FOR SIZE AND SPACING
	8" MASONRY (BID - ALT #1)	OTHER SIZES ARE DIMENSIONED ON PLANS
	12" MASONRY (BID - ALT #1)	OTHER SIZES ARE DIMENSIONED ON PLANS
	MECHANICAL EQUIPMENT	SEE PLANS FOR UNIT WEIGHTS
	OPENING IN FRAMING	SEE NOTE #4

NOTES

1. FOR MATERIAL STRENGTHS, SEE GENERAL STRUCTURAL NOTES
2. VERIFY ALL DIMENSION WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION - RESOLVE ANY DISCREPANCIES WITH ARCHITECT.
3. FOR CLARITY, ALL EXTERIOR SLABS AND SIDEWALKS MAY NOT BE SHOWN. FOR EXACT DIMENSIONS, LOCATIONS, JOINT AND SCORE LINES, SEE ARCHITECTURAL DRAWINGS
4. FOR CLARITY, ALL OPENINGS MAY NOT BE SHOWN ON FRAMING PLANS. FOR EXACT SIZE, NUMBER, AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL STRUCTURAL DETAILS. VERIFY ALL SIZES, WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT WITH MECHANICAL ENGINEER AND MECHANICAL CONTRACTOR THROUGH ARCHITECT.
5. DETAILS MARKED "TYPICAL" MAY NOT BE CUT ON PLANS.
6. CONC C.J. - AS SHOWN ON PLAN INDICATES LOCATION OF EITHER KEYED OR SAW CUT CONTROL JOINT IN SLAB ON GRADE AT CONTRACTOR'S OPTION, SEE GENERAL STRUCTURAL NOTES AND PLANS.
7. MAS C.J. - AS SHOWN ON PLAN INDICATES MASONRY CONTROL JOINT IN MASONRY WALL, SEE S.S.N. AND TYPICAL DETAIL.
8. FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.
9. CONTRACTOR TO VERIFY, AND BE RESPONSIBLE FOR VARIATIONS IN CONCRETE QUANTITY DUE TO CAMBER, CONSTRUCTION DEAD LOAD DEFLECTIONS AND/OR TOLERANCES OF STRUCTURAL STEEL MEMBERS (i.e. BEAMS, STEEL DECK, ETC.) AND PRECAST CONCRETE ELEMENTS.
10. ALL SCHEDULE MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THE PLANS WHERE THE SCHEDULES OCCUR. SCHEDULES ARE TYPICAL TO THE PROJECT.

ABBREVIATIONS

A.B.	ANCHOR BOLT	HORIZ	HORIZONTAL
A/C	AIR CONDITIONER	K(KIP)	1000 POUNDS
A.F.F.	ABOVE FINISHED FLOOR	L.L.	LIVE LOAD
ALT.	ALTERNATE	LBS (#)	POUNDS
A.B.	ANCHOR BOLT	LLH	LONG LEG HORIZONTAL
@	AT (MEASUREMENT)	LLV	LONG LEG VERTICAL
B.F.F.	BELOW FINISHED FLOOR	MFR'(S)	MANUFACTURER'(S)
B.O.B.	BOTTOM OF BEAM	MAS. C.J.	MASONRY CONTROL JOINT
B.O.D.	BOTTOM OF DECK	MECH'L	MECHANICAL
B.O.F.	BOTTOM OF FOOTING	N/A	NOT APPLICABLE
BRG.	BEARING	N.T.S.	NOT TO SCALE
C.I.P.	CAST IN PLACE	O.C.	ON CENTER
C.L.	CENTERLINE	O.F.W.	OUTSIDE FACE OF WALL
C.L.B.	CENTERLINE OF BEAM	OPP	OPPOSITE
C.L.C.	CENTERLINE OF COLUMN	P.C.	PRECAST CONCRETE
C.L.F.	CENTERLINE OF FOOTING	P.J.	PANEL JOINT
C.L.W.	CENTERLINE OF WALL	PLF	POUNDS PER LINEAR FOOT
CLR	CLEAR	PREFAB	PREFABRICATED
CONC	CONCRETE	PSF	POUNDS PER SQUARE FOOT
CONC C.J.	CONCRETE CONTROL JOINT	PSI	POUNDS PER SQUARE INCH
C.M.U.	CONCRETE MASONRY UNIT	REINF	REINFORCING
CONT	CONTINUOUS	SLH	SHORT LEG HORIZONTAL
D.L.	DEAD LOAD	SLV	SHORT LEG VERTICAL
ø OR DIA.	DIAMETER	SIM	SIMILAR
DN	DOWN	SQ.	SQUARE
DWG(S).	DRAWING(S)	STD	STANDARD
E.O.S.	EDGE OF SLAB	T.L.	TOTAL LOAD
EQ	EQUAL	T.O.B.	TOP OF BEAM
EQUIP	EQUIPMENT	T.O.D.	TOP OF DECK
EXP. BOLT	EXPANSION BOLT	T.O.F.	TOP OF FOOTING
EXP. JT (E.J.)	EXPANSION JOINT	T.O.L.	TOP OF LEDGER
EA.	EACH WAY	T.O.M.	TOP OF MASONRY
F.F.	FINISHED FLOOR	T.O.P.	TOP OF PLATE
F.O.M.	FACE OF MASONRY	T.O.S.	TOP OF STEEL
F.O.S.	FACE OF STEEL	T.O.W.	TOP OF WALL
F.O.W.	FACE OF WALL	TYP	TYPICAL
GA	GAGE	U.N.O.	UNLESS NOTED OTHERWISE
GALV	GALVANIZED	VERT	VERTICAL
G.S.N.	GENERAL STRUCTURAL NOTES	W.W.F.	WELDED WIRE FABRIC
GLB (GLU.LAM.)	GLUED-LAMINATED BEAM	W	WITH
I.F.W.	INSIDE FACE OF WALL	WO	WITHOUT

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Site & building design teams:
Principal architect: Jim Larson
Design: Brandon Miller & Scott Wahlola

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Registered Professional Engineer
CERTIFICATE NO.
29371
FREDERICK J. NOELKE
2-5-13
Date Signed
ARIZONA, U.S.A.
EXPIRES 9-30-13

City of Scottsdale
Public Improvement

District 3 Police Station
TARGET HARDENING

9045 East Via Linda
SCOTTSDALE, ARIZONA 85258

PROJECT NUMBER: 2008-039

Submittals

Date	Submittal

Revisions

Date	Revisions
02-05-2013	1 ADDENDUM #1

Sheet Name: GENERAL STRUCTURAL NOTES

Sheet Number: S1.1

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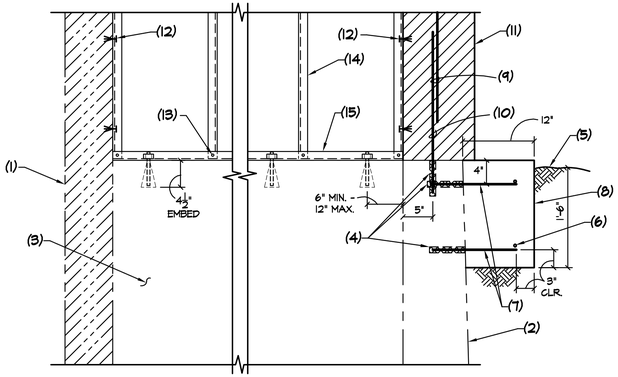
78-DR-1992#2 (78-DR-1992 AND 22-UP-1990); PLAN REVIEW # TO BE ASSIGNED

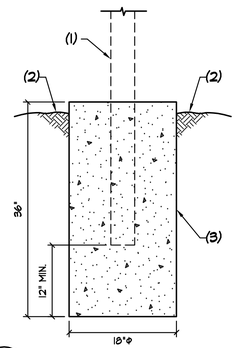
NOTES:

1. EXISTING CMU WALL.
2. EXISTING CONCRETE TAPERED RETAINING WALL.
3. EXISTING C.I.P. CONCRETE WALL.
4. DRILL 3/4"ø x 6 3/4" HOLE AND EPOXY W/ SIMPSON SET-XP TYPE EPOXY (ESR-2508) (TYP.).
5. FINISHED GRADE.
6. #5 CONT. (TOP AND BOTTOM).
7. #5 DOWELS TOP AND BOTTOM AT 16" O.C.
8. NEW CONTINUOUS CONCRETE SHELF FOR NEW WALL.
9. WALL REINFORCING DOWELS AT 32" O.C. TO LAP W/ VERTICAL REINFORCING PER G.S.N.
10. #6 x 42" LONG EPOXY DOWELS AT 32" O.C.
11. 12" MASONRY WALL W/ #6 VERTICALS AT 32" O.C. (CENTERED).
12. HILTI X-U27 KNURLED FASTENERS AT 16" O.C. - FULL HEIGHT.
13. #10 TEK SCREWS AT EACH FLANGE OF EACH STUD.
14. 600 S 162-54 METAL INFILL STUDS AT 16" O.C.
15. 600 T 150-54 CONT. METAL TRACK W/ 5/8"ø SIMPSON STRONG-BOLT WEDGE ANCHORS AT 32" O.C. (4 TOTAL) ESR-1771.



107 SECTION THRU CHASE AT STEEL STUD WALL

NO SCALE



NOTES:

1. FENCE PER ARCH'L DWGS AT 8'-0" O.C.
2. FINISHED GRADE.
3. 18"ø x 36" DEEP CONCRETE PIER.

105 FENCE POST FOOTING

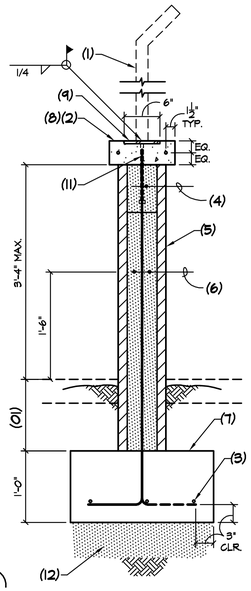
NO SCALE

SPEEDIE AND ASSOCIATES SITE SOILS INVESTIGATION REPORT 121419SA AND ORIGINAL REPORT 080718SSA

- STATES OVER-EXCAVATION IS NOT RECOMMENDED. ALL NEW FOOTING EXCAVATIONS SHOULD BE EXAMINED BY A REPRESENTATIVE OF SPEEDIE AND ASSOC. TO ENSURE PROPER CLEANING AND FIRM BEARING SOILS. IT IS RECOMMENDED TO COMPACT THE EXPOSED BOTTOM OF ANY WALL FOOTING TO TIGHTEN LOOSE SOILS. IF DEEPER LOOSE SOILS ARE PRESENT, OVER-EXCAVATE THE FOOTING TO EXPOSE FIRM UNDISTURBED NATIVE SOILS AND BACKFILL WITH LEAN CONCRETE (250 PSI) GROUT OR STRUCTURAL CONCRETE. DO NOT ALLOW GRANULAR FILL TO BE PLACED UNDER THE FOOTING. BASED ON BORING LOGS, THE DEPTH TO PARTIALLY CEMENTED SOILS SHOULD BE AT A DEPTH ON THE ORDER OF 4 FEET BELOW GRADE.
- FOR ALL OTHER INFORMATION, REFER TO SOILS REPORT.

1 106 FOOTING RECOMMENDATIONS WHEN NATIVE SOIL IS GREATER THAN 1'-6" B.F.G.

NO SCALE

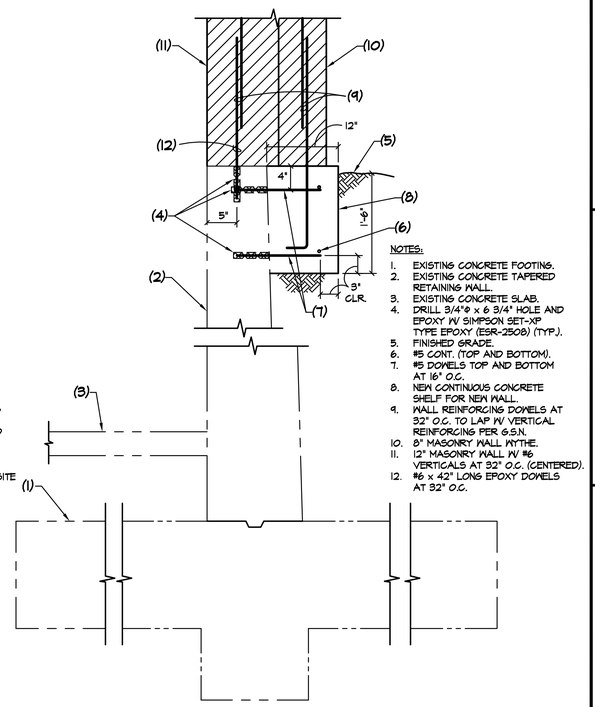


NOTES:

1. STEEL SECURITY FENCE PER ARCH'L.
2. 4"x11" WIDE x CONT. C.I.P. CONCRETE CAP W/ (2) #5 CONT. REINFORCING f'c=3,000 PSI (WITH PEA GRAVEL MIX DESIGN).
3. 3 - #4 CONT.
4. 1 - #5 CONT. IN SOLID GROUTED BOND BEAM.
5. NEW 8" CMU W/ 1 - #5 VERTICAL AT 40" O.C. - GROUT ENTIRE WALL SOLID.
6. 2 - #5 CONT.
7. 12" THICK x 2'-6" WIDE CONT. CONCRETE FOOTING.
8. CONCRETE C.I.P. CAP IS INSTALLED WITH SITE WALL.
9. 3/8"x6x8" STEEL EMBED PLATE W/ (2) 5/8"ø x 10" LONG HEADED STUDS AT 5 1/2" O.C.
10. VARIES 1'-8" MAX - REFER TO ARCH'L DRAWINGS FOR ELEVATIONS.
11. EXTEND VERTICAL WALL REINFORCING INTO C.I.P. CONCRETE CAP.
12. IN THE EVENT THAT FIRM, UNDISTURBED NATIVE SOILS IS GREATER THAN 1'-6" B.F.G. REFER TO DETAIL 106 FOR ADDITIONAL RECOMMENDATIONS PROVIDED BY SPEEDIE AND ASSOC. SITE SOILS INVESTIGATION REPORT.

1 103 NEW SECURITY WALL

NO SCALE

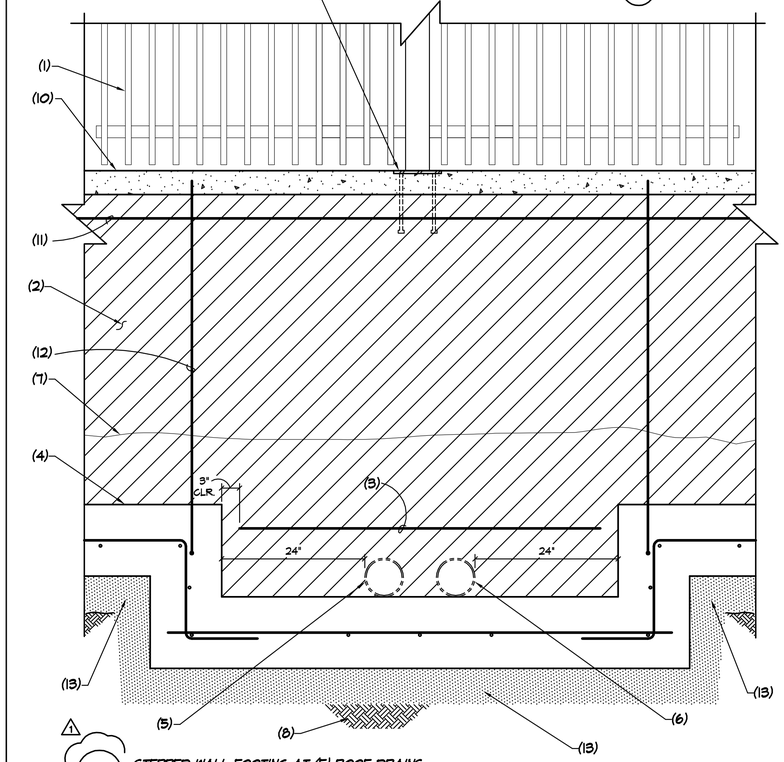


NOTES:

1. EXISTING CONCRETE FOOTING.
2. EXISTING CONCRETE TAPERED RETAINING WALL.
3. EXISTING CONCRETE SLAB.
4. DRILL 3/4"ø x 6 3/4" HOLE AND EPOXY W/ SIMPSON SET-XP TYPE EPOXY (ESR-2508) (TYP.).
5. FINISHED GRADE.
6. #5 CONT. (TOP AND BOTTOM).
7. #5 DOWELS TOP AND BOTTOM AT 16" O.C.
8. NEW CONTINUOUS CONCRETE SHELF FOR NEW WALL.
9. WALL REINFORCING DOWELS AT 32" O.C. TO LAP W/ VERTICAL REINFORCING PER G.S.N.
10. 8" MASONRY WALL W/THE.
11. 12" MASONRY WALL W/ #6 VERTICALS AT 32" O.C. (CENTERED).
12. #6 x 42" LONG EPOXY DOWELS AT 32" O.C.

101 DOUBLE WYTHE AT CONCRETE FOOTING (BID - ALT #1)

NO SCALE



NOTES:

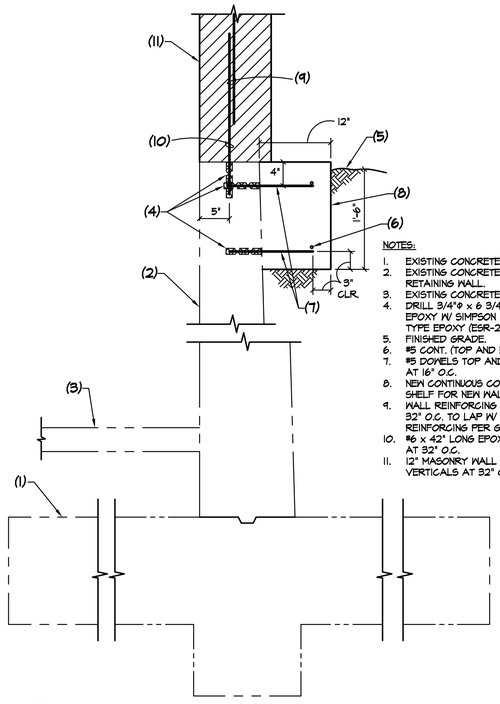
1. SECURITY FENCE PER DETAIL 103/S8.1.
2. MASONRY WALL PER PLAN AND DETAIL 103/S8.1.
3. 2 - #4 IN 8" DEEP SOLID GROUTED BOND BEAM.
4. STEP CONCRETE FOOTING AND REINFORCING PER DETAIL 04/S1.2.
5. BUILDING ROOF DRAIN - VERIFY DEPTH IN FIELD.
6. REFER TO DETAIL 05/S1.2 FOR SLEEVE AT ROOF DRAINS.
7. LINE OF FINISHED GRADE.
8. SOIL SUBGRADE PREPARATIONS - REFER TO G.S.N. FOR MORE INFO.
9. NOTCH CONCRETE CAP AT SECURITY POST AS NECESSARY.
10. 4" CONT. C.I.P. CONCRETE CAP. REFER TO ARCH'L.
11. 1 - #5 CONT. IN 8" BOND BEAM.
12. LOCATE VERTICAL REINFORCING AT FOOTING STEP.
13. IN THE EVENT THAT FIRM, UNDISTURBED NATIVE SOILS IS GREATER THAN 1'-6" B.F.G. REFER TO DETAIL 106 FOR ADDITIONAL RECOMMENDATIONS PROVIDED BY SPEEDIE AND ASSOC. SITE SOILS INVESTIGATION REPORT.

NOTE:

- FOR MORE INFORMATION REFER TO ARCHITECTURAL DRAWINGS.
- VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY.

1 108 STEPPED WALL FOOTING AT (E) ROOF DRAINS

NO SCALE

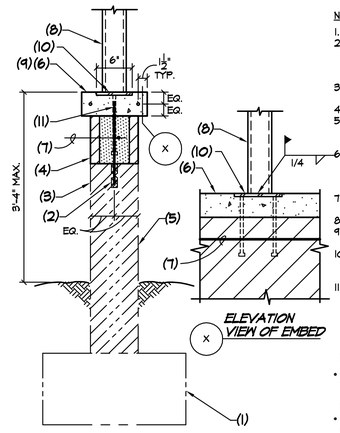


NOTES:

1. EXISTING CONCRETE FOOTING.
2. EXISTING CONCRETE TAPERED RETAINING WALL.
3. EXISTING CONCRETE SLAB.
4. DRILL 3/4"ø x 6 3/4" HOLE AND EPOXY W/ SIMPSON SET-XP TYPE EPOXY (ESR-2508) (TYP.).
5. FINISHED GRADE.
6. #5 CONT. (TOP AND BOTTOM).
7. #5 DOWELS TOP AND BOTTOM AT 16" O.C.
8. NEW CONTINUOUS CONCRETE SHELF FOR NEW WALL.
9. WALL REINFORCING DOWELS AT 32" O.C. TO LAP W/ VERTICAL REINFORCING PER G.S.N.
10. #6 x 42" LONG EPOXY DOWELS AT 32" O.C.
11. 12" MASONRY WALL W/ #6 VERTICALS AT 32" O.C. (CENTERED).

104 12" MASONRY WALL AT EXISTING CONCRETE WALL (BID - ALT #1)

NO SCALE



NOTES:

1. EXISTING FOOTING.
2. DRILL 5/8"ø x 4" HOLE AND EPOXY #4 x 14" LONG DOWEL AT 24" O.C. EPOXY W/ SIMPSON SET EPOXY (ESR-1772).
3. ADD ANOTHER COURSE TO EXISTING 8" CMU.
4. NEW 8" CMU.
5. EXISTING CMU W/ 1 - #5 VERTICAL AT 40" O.C. G.C. TO FIELD VERIFY AND NOTIFY E.O.R.
6. 4"x11" WIDE x CONT. C.I.P. CONCRETE CAP W/ (2) #5 CONT. REINFORCING f'c=3,000 PSI (WITH PEA GRAVEL MIX DESIGN).
7. 1 - #5 CONT. W/ SOLID GROUTED BOND BEAM.
8. STEEL SECURITY POST BY OTHERS.
9. CONCRETE C.I.P. CAP IS INSTALLED WITH SITE WALL.
10. 3/8"x6x8" STEEL EMBED PLATE W/ (2) 5/8"ø x 10" LONG HEADED STUDS AT 5 1/2" O.C.
11. EXTEND VERTICAL WALL REINFORCING INTO C.I.P. CONCRETE CAP.

NOTE:

- CONTRACTOR SHALL FIELD VERIFY THAT THE EXISTING FOOTING IS 12" THICK AND 2'-6" WIDE AND NOTIFY E.O.R.
- G.C. TO VERIFY EXISTING WALL CONDITIONS THAT IS SOLID GROUTED. IF WALL IS NOT SOLID GROUTED, REMOVE AND REPLACE PER DET. 103.

102 EXISTING SITE WALL

NO SCALE

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Design: Brandon Miller & Scott Wohlska

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Certified Professional Engineer (Structural) CERTIFICATE NO. 29371 FREDERICK J. NOELKE 2-12-13 Date Signed ARIZONA, U.S.A.
EXPIRES 9-30-13

City of Scottsdale
Public Improvement

District 3 Police Station
TARGET HARDENING

9045 East Via Linda
SCOTTSDALE, ARIZONA 85258

PROJECT NUMBER: 2008-039

Submittals

Date	Submittal

Revisions

Date	Revisions
02-05-2013	1 ADDENDUM #1

Sheet Name
FOUNDATION DETAILS

Sheet Number
S3.1

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bakkum noelke associates structural engineers

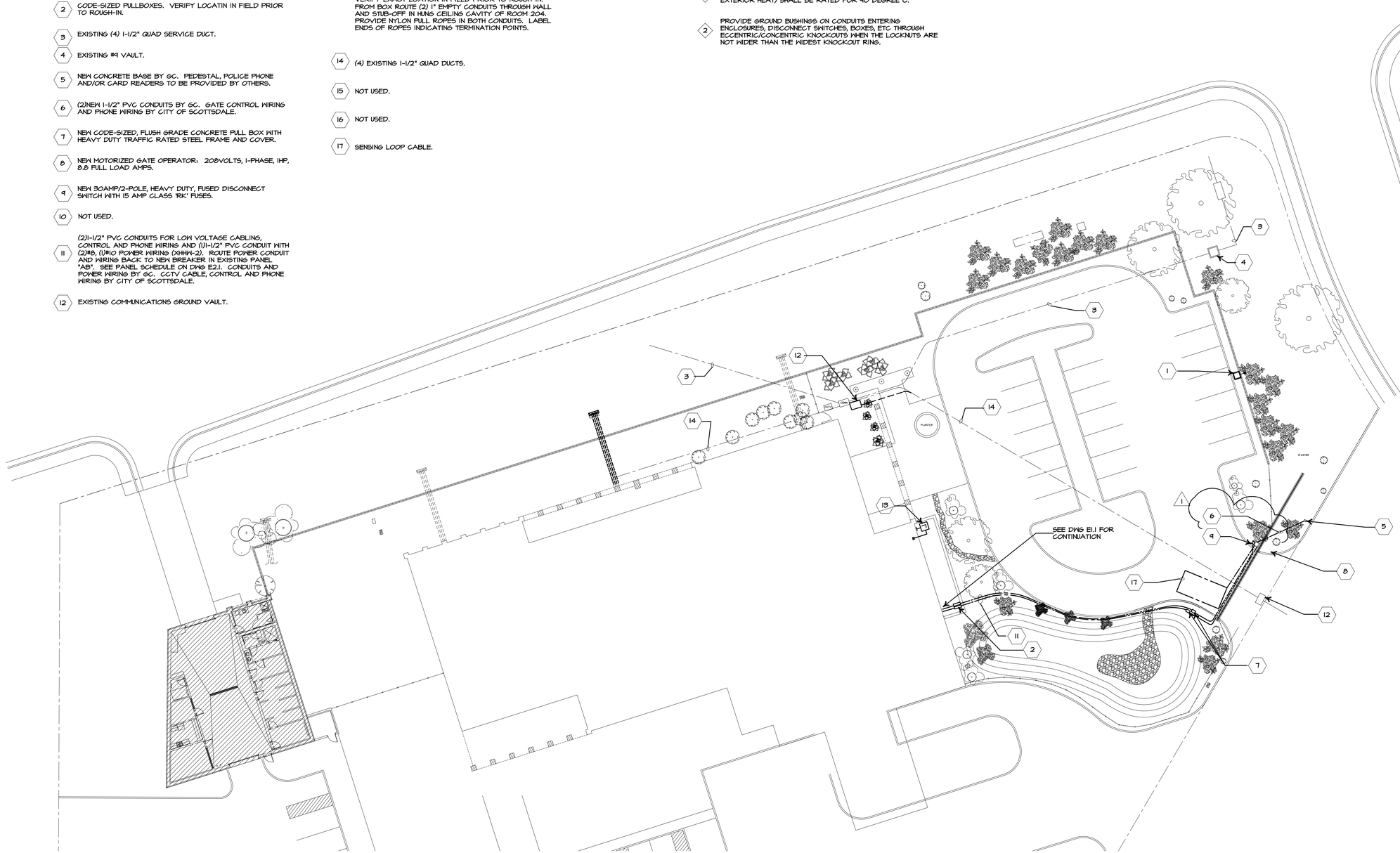
78-DR-1992#2 (78-DR-1992 AND 22-UP-1990); PLAN REVIEW # TO BE ASSIGNED

KEY NOTES

1. EXISTING SITE LIGHTING FIXTURE, POLE AND BASE.
2. CODE-SIZED PULLBOXES. VERIFY LOCATIN IN FIELD PRIOR TO ROUGH-IN.
3. EXISTING (4) 1-1/2" QUAD SERVICE DUCT.
4. EXISTING #4 VAULT.
5. NEW CONCRETE BASE BY GC. PEDESTAL, POLICE PHONE AND/OR CARD READERS TO BE PROVIDED BY OTHERS.
6. (2)NEW 1-1/2" PVC CONDUITS BY GC. GATE CONTROL WIRING AND PHONE WIRING BY CITY OF SCOTTSDALE.
7. NEW CODE-SIZED, FLUSH GRADE CONCRETE PULL BOX WITH HEAVY DUTY TRAFFIC RATED STEEL FRAME AND COVER.
8. NEW MOTORIZED GATE OPERATOR: 208VOLTS, 1-PHASE, 1HP, 8.8 FULL LOAD AMPS.
9. NEW 30AMP/2-POLE, HEAVY DUTY, FUSED DISCONNECT SWITCH WITH 15 AMP CLASS 'RK' FUSES.
10. NOT USED.
11. (2)1-1/2" PVC CONDUITS FOR LOW VOLTAGE CABLING, CONTROL AND PHONE WIRING AND (1)1-1/2" PVC CONDUIT WITH (2)#8, (1)#10 POWER WIRING (XHHW-2). ROUTE POWER CONDUIT AND WIRING BACK TO NEW BREAKER IN EXISTING PANEL "AB". SEE PANEL SCHEDULE ON DWG E2.1. CONDUITS AND POWER WIRING BY GC. CCTV CABLE, CONTROL AND PHONE WIRING BY CITY OF SCOTTSDALE.
12. EXISTING COMMUNICATIONS GROUND VAULT.
13. PROVIDE CODE-SIZED, WEATHERPROOF PULL BOX ON EXTERIOR OF BUILDING OUTSIDE COMMUNITY ROOM 204. VERIFY EXACT LOATION IN FIELD PRIOR TO ROUGH-IN. FROM BOX ROUTE (2) 1" EMPTY CONDUITS THROUGH WALL AND STUB-OFF IN HUNG CEILING CAVITY OF ROOM 204. PROVIDE NYLON PULL ROPES IN BOTH CONDUITS. LABEL ENDS OF ROPES INDICATING TERMINATION POINTS.
14. (4) EXISTING 1-1/2" QUAD DUCTS.
15. NOT USED.
16. NOT USED.
17. SENSING LOOP CABLE.

GENERAL NOTES

1. BRANCH CIRCUIT INSULATION FOR CONDUCTORS IN RACEWAYS LOCATED IN EXTERIOR LOCATIONS (EXPOSED TO AMBIENT EXTERIOR HEAT) SHALL BE RATED FOR 90 DEGREE C.
2. PROVIDE GROUND BUSHINGS ON CONDUITS ENTERING ENCLOSURES, DISCONNECT SWITCHES, BOXES, ETC THROUGH ECCENTRIC/CONCENTRIC KNOCKOUTS WHEN THE LOCKNUTS ARE NOT WIDER THAN THE WIDEST KNOCKOUT RING.



ELECTRIAL SITE PLAN

1" = 20'-0"

40' 160'
0 80' 320'

NORTH PROJECT NORTH

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Design: Brandon Miller & Scott Wahtola

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Date Signed 02-05-13
ARIZONA, U.S.A.
Expires 9-30-2014

City of Scottsdale
Public Improvement

Police District #3
HARDENING

9045 East Via Linda
SCOTTSDALE, ARIZONA 85258

PROJECT NUMBER: 2008-039

Submittals

Date	Submittal

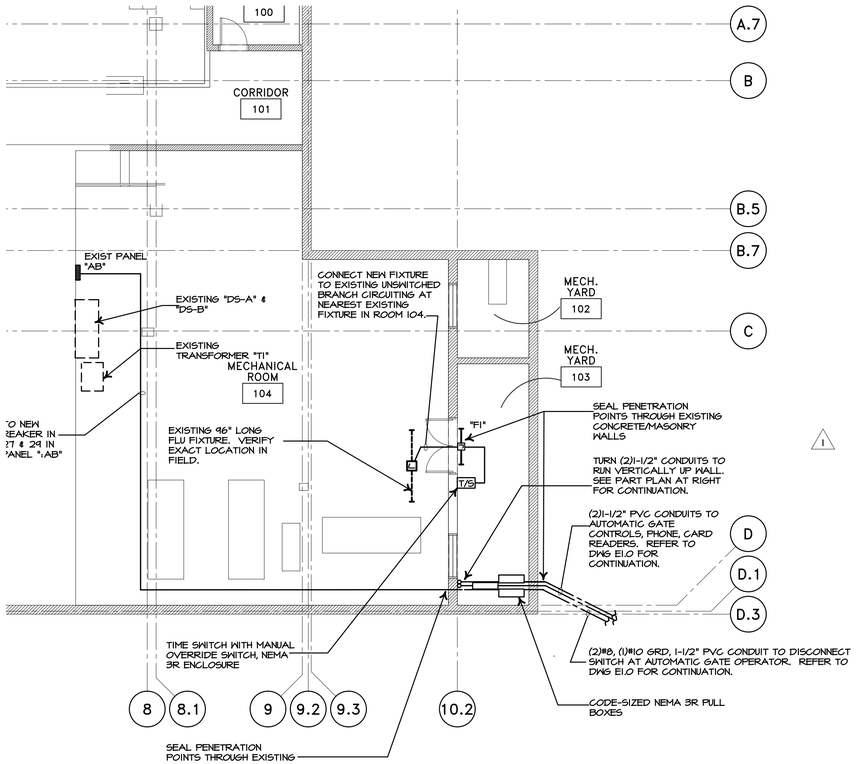
Revisions

Date	Revisions
02-05-2013	1 ADDENDUM NO. 1

Sheet Name
ELECTRICAL SITE PLAN

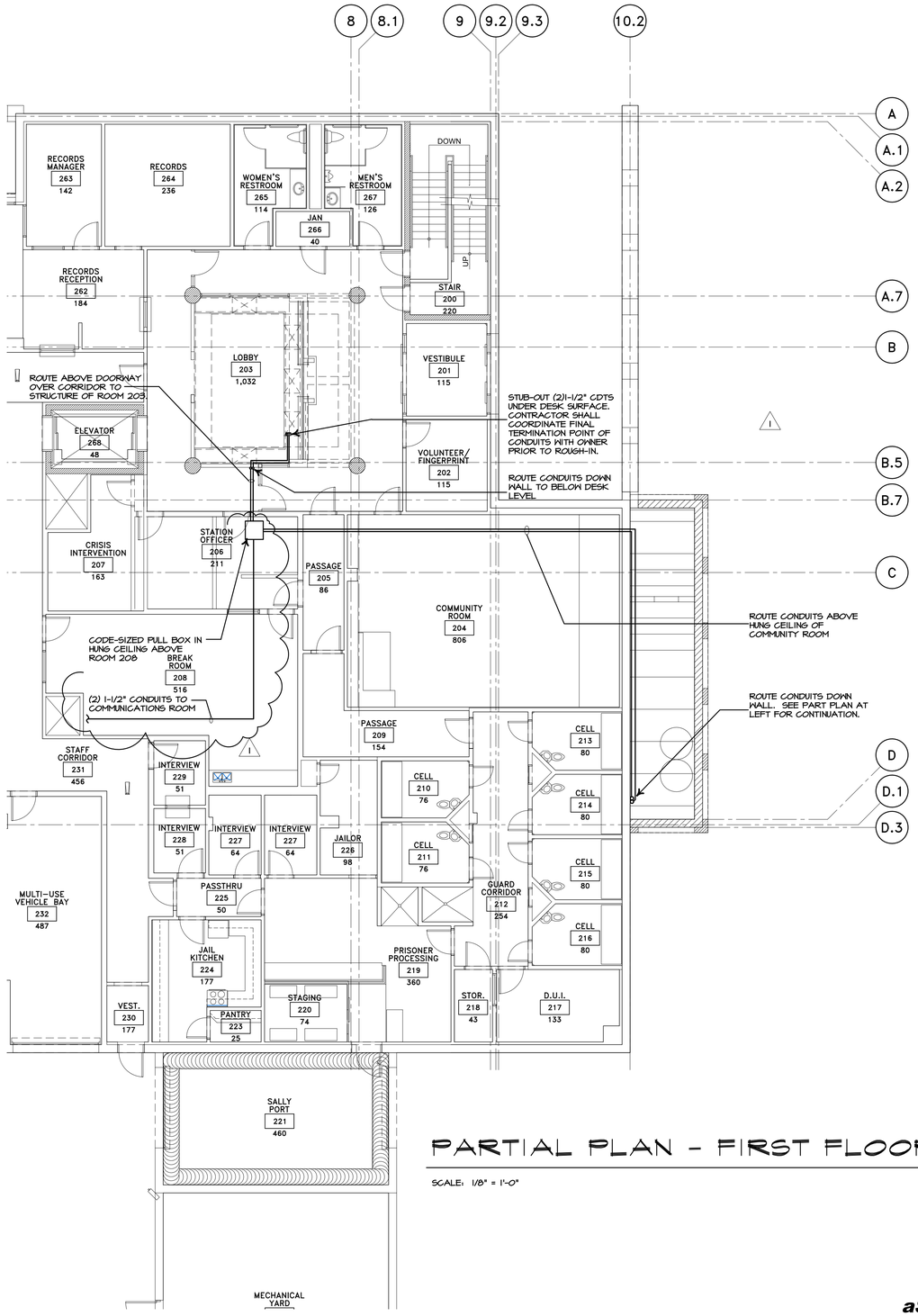
Sheet Number
E1.0

78-DR-1992#2 (78-DR-1992 AND 22-UP-1990); PLAN REVIEW # TO BE ASSIGNED



PARTIAL PLAN - BASEMENT

SCALE: 1/8" = 1'-0"



PARTIAL PLAN - FIRST FLOOR

SCALE: 1/8" = 1'-0"

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30624
STEPHEN E. FOSTER
02-05-13
ARIZONA, U.S.A.
Expires 9-30-2014

City of Scottsdale
Public Improvement

Police District #3 HARDENING

9045 East Via Linda
SCOTTSDALE, ARIZONA 85258

PROJECT NUMBER: 2008-039

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Sheet Name
PARTIAL PLANS BASEMENT AND FIRST FLOOR

Sheet Number
E1.1

78-DR-1992#2 (78-DR-1992 AND 22-UP-1990); PLAN REVIEW # TO BE ASSIGNED

District 3 Police Station Target Hardening

Pre-Bid Meeting
February 12, 2013

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PAUL MASTIN	PHX Fence	602-276-4283	pmastin@phoenixfence.com
Joe Cirincione	CRSI	602-920-7941	Jcirincione@crsi-inc.com
Kelly Johnson	ABC	623 703 3868	Johnson Kelly52@Yahoo.com
steve Johnson	ABC	623 703 4058	
Joe Coleman	Stellar Electric	6028260720	stellar98@gmail
TONY CAMPANELLA	AUTOMATIC GATE	602-329-7145	KTONYAG@AOL
JOE HALL	ALTERED ELEMENT	602-291-8093	JOE@ALTERED ELEMENT.COM
JIM LARSON	LARSON ASSOCIATES ARCHITECTS	602·955·9929	JLARSEN@larsen-architects.com
Frany Hall	Altered Element Window film	602-291-5304	frany@altredelement.com

District 3 Police Station Target Hardening

Pre-Bid Meeting
February 12, 2013

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Nick Nickant	Builders Guild Inc.	602.918.1058	Nick@buildersguild.com
Stan Showalter	TSG Constructors, LLC	6237420161	sshowalter@tsgconstructors.com
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Noel E. Cerny	ABC August Building Co.	O-480-352-3820 C-480-720-6396	NCerny@AugustBuilding.com AWiceVich@AugustBuilding.com
Jeff Trillo	COS. PD	x1823	jtrillo@scottsdaleaz.gov
Paul Peterson	Paul R Peterson Const.	602-248-7085	paul@prpcaz.com
Andy Stolk	Stoll Masonry	480 963-4543	ajs-65@stollmasonry.com