WORK OF THIS CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

1. REMOVAL AND REPLACEMENT OF EXISTING SPF WITH NEW APPROVED TPO ROOF OVER RIGID INSULATION AND TAPERED INSULATION CRICKETS, AND REMOVAL AND REPLACEMENT OF ASPHALT ROOF WITH NEW SHINGLES ROOF SYSTEM WITH COMBINATION OF ATTIC AND BELOW DESK INSULATION.

2. AT ALL ROOFS THE PLYWOOD AND METAL DECK TO REMAIN.

3. AT EXISTING SPF ROOFS, REMOVE AND REPLACE EXISTING MECHANICAL CURB FLASHING.

4. REMOVE ALL PARAPET COPINGS AND ASSOCIATED CLEATS, AND WOOD NAILERS.

5. INSTALL NEW ROOF PENETRATION FLASHINGS PER TPO MANUFACTURER STANDARDS.

6. INSTALL NEW METAL PARAPET COPING OVER SELF-ADHERED BITUMINOUS FLASHING.

7. REMOVE ALL EXISTING METAL GUTTERS AND DOWNSPOUTS AT SHINGLE ROOFS.

8. INSTALL NEW METAL GUTTERS AND DOWNSPOUTS.

9. REMOVE EXISTING EDGE FLASHING AT EXISTING SHINGLE ROOFS.

10. INSTALL NEW EDGE FLASHING WITH NEW SHINGLE ROOF.

11. PROVIDE NEW ROOF BLOCKS AND TRAFFIC SURFACES.

BUILDING INFORMATION

OCCUPANCY: A-2; A-4 ; B ; E
CONSTRUCTION TYPE: TYPE II-B
SPRINKLERS: YES
TOTAL BUILDING AREA: 235,590 SF
BUILDING HEIGHT: (2 STORY/1 STORY)

DESCRIPTION OF WORK

LIST OF CODES AND STANDARDS

ALL WORK OF THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING:

2018 INTERNATIONAL BUILDING CODE (IBC)
2018 INTERNATIONAL FIRE CODE (IFC)

OWNER

J.O. COMBS SCHOOL DISTRICT
301 East Combs Rd.
Queen Creek, AZ 85242
Attention: Rich Dobson
T: 480.987.5300

ARCHITECT

DLR GROUP
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Phoenix, AZ 85016
Attention: Carmen Wyckoff
T: 602.381.8580

STRUCTURAL ENGINEER

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CPM

ARCADIS
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Phoenix, AZ 85008
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PROCURMENT MANAGEMENT

THE PROFESSIONAL GROUP PUBLIC CONSULTING, INC.
931 E. Southern Avenue, Suite 104
Mesa, AZ 85204
Attention: Caroline Brackley
T: 480.699.4458

PROJECT INFO

BUILDING INFORMATION

OCCUPANCY: A-2; A-4 ; B ; E
CONSTRUCTION TYPE: TYPE II-B
SPRINKLERS: YES
TOTAL BUILDING AREA: 235,590 SF
BUILDING HEIGHT: (2 STORY/1 STORY)

DESCRIPTION OF WORK

NOTE THE FOLLOWING WORK TO BE INCLUDED IN THE FOLLOWING:
1. REMOVAL AND REPLACEMENT OF EXISTING SPF WITH NEW APPROVED TPO ROOF OVER RIGID INSULATION AND TAPERED INSULATION CRICKETS, AND REMOVAL AND REPLACEMENT OF ASPHALT ROOF WITH NEW SHINGLES ROOF SYSTEM WITH COMBINATION OF ATTIC AND BELOW DESK INSULATION.
2. AT ALL ROOF PENETRATION FLASHINGS PER TPO MANUFACTURER STANDARDS.
3. INSTALL NEW METAL PARAPET COPING OVER SELF-ADHERED BITUMINOUS FLASHING.
4. REMOVE ALL EXISTING METAL GUTTERS AND DOWNSPOUTS AT SHINGLE ROOFS.
5. INSTALL NEW METAL GUTTERS AND DOWNSPOUTS.
6. REMOVE EXISTING EDGE FLASHING AT EXISTING SHINGLE ROOFS.
7. INSTALL NEW EDGE FLASHING WITH NEW SHINGLE ROOF.
8. PROVIDE NEW ROOF BLOCKS AND TRAFFIC SURFACES.
9. REMOVE MECHANICAL CURB FLASHING AT EXISTING SPF ROOFS.
10. REMOVE ALL PARAPET COPINGS AND ASSOCIATED CLEATS, AND WOOD NAILERS.
11. INSTALL NEW ROOF PENETRATION FLASHINGS PER TPO MANUFACTURER STANDARDS.
12. INSTALL NEW METAL PARAPET COPING OVER SELF-ADHERED BITUMINOUS FLASHING.
13. REMOVE ALL EXISTING METAL GUTTERS AND DOWNSPOUTS.
14. INSTALL NEW METAL GUTTERS AND DOWNSPOUTS.
15. REMOVE EXISTING EDGE FLASHING AT EXISTING SHINGLE ROOFS.
16. INSTALL NEW EDGE FLASHING WITH NEW SHINGLE ROOF.
17. PROVIDE NEW ROOF BLOCKS AND TRAFFIC SURFACES.
CONTINUOUS PERIMETER SEALING MATERIAL
EXISTING MECHANICAL UNIT
REMOVE AND RE-INSTALL ON EXISTING CURB WITH NEW FLASHING FOR TPO ROOFING SYSTEM

TPO ROOF SYSTEM
3/4" TREATED PLYWOOD OVER 2 1/2" RIGID INSULATION
TPO MEMBRANE FLASHING
COUNTERFLASHING
FLASHING W/ GASKETED FASTENERS

EXISTING ROOF STRUCTURE (METAL DECK OR PLYWOOD)
RIGID INSULATION MAINTAIN CURB HEIGHT
EXISTING MECHANICAL CURB
3/4" 5"
PREFINISHED METAL COPING W/ CONT. CLEAT
MEMBRANE FLASHING, OVERLAP ONTO BLOCKING
TPO ROOFING SYSTEM
TPO PARAPET FLASHING ADHERED TO CMU
EXISTING ROOF DECK (PLYWOOD OR METAL DECK)
GALV. METAL CLIP
PRESSURE TREATED 2X BLOCKING W/ (2) COUNTERSUNK HILTI SCREWS @ 24" O.C.
EXISTING CONCRETE BLOCK WALL
WELD SEAM OVERLAP RIGID INSULATION

VARIES SS CLAMPING RING
PRE-MOLDED PIPE BOOT PROVIDED BY ROOF CONTRACTOR
TPO ROOFING SYSTEM
8" MIN.
ROOF DECK (PLYWOOD OR METAL DECK)
LAP SEALANT

VARIES SS CLAMPING RING
SHEET METAL PIPE BOOT PROVIDED BY ROOFING CONTRACTOR
ASPHALT SHINGLE ROOF SYSTEM
EXISTING ROOF DECK (PLYWOOD OR T&G)
LAP SEALANT
ATTIC INSULATION TYPE VARIES, REFER TO ROOF PLANS

R-38 BATT INSULATION HUNG BETWEEN JOISTS HANG BATTS WITH 12 GA. WIRE TIES BETWEEN JOISTS @ 24" O.C.
EXISTING PLYWOOD DECK TO REMAIN
ASPHALT SHINGLE ROOFING SYSTEM
EXISTING ROOF JOIST TO REMAIN

R-38 MIN. POLYISO RIGID INSULATION MECHANICALLY ATTACHED TO T&G DECK BETWEEN GLULAMS. AS SHOWN R-39.6 (2 LAYERS OF 2-1/2" AND ONE LAYER OF 1-1/2%).
EXISTING T&G DECK TO REMAIN
ASPHALT SHINGLE ROOFING SYSTEM
EXISTING GLULAM BEAM TO REMAIN

VARIES ASPHALT ROOFING SYSTEM
EXISTING ROOF JOIST TO REMAIN

PREFINISHED SHEET METAL GUTTER. PROVIDE DOWNSPOUTS AT SAME LOCATIONS AS EXISTING
EXISTING FASCIA TO REMAIN
3/4" EDGE LAP
PREFINISHED 90 DEGREE METAL BARGE FLASHING WITH UPTURN EDGE
ASPHALT SHINGLE ROOF SYSTEM
EXISTING WOOD FASCIA SUPPORT
EXISTING FASCIA TO REMAIN
3/4" EDGE LAP
3/4" 5"
PREFINISHED METAL COPING W/ CONT. CLEAT
MEMBRANE FLASHING, OVERLAP ONTO BLOCKING
TPO ROOFING SYSTEM
TPO PARAPET FLASHING ADHERED TO CMU
EXISTING ROOF DECK (PLYWOOD OR METAL DECK)
GALV. METAL CLIP
EXISTING CONCRETE BLOCK WALL
ROOFING MEMBRANE TO OVERLAP BOTTOM OF SCUPPER
RIGID INSULATION
REPLACE SHEET METAL THROUGH WALL SCUPPER
EXISTING SHEET METAL ROOF DRAIN COLLECTION BOX, REPLACE IF DAMAGED TO MATCH EXISTING SIZE
EXISTING RAIN WATER LEADER