



FACILITIES PLANNING
240 BRWB PROVO, UTAH 84602
PHONE: (801) 422-5504
FAX: (801) 422-0565

DATE: JUNE 2020
DESIGNER: SM
DRAWN BY: SM

ADA CHECK:
CODE CHECK:
UTILITIES DIR:
STRUCTURAL:
PLANNING DIR:

CLIENT APPROVAL DATE

REVISIONS

BRIGHAM YOUNG
UNIVERSITY
WILFORD W. CLYDE BUILDING
NEW TEMPORARY ANTENNA ARRAY SYSTEM SHED
ENGINEERING AND TECHNOLOGY



ROOF DEMOLITION PLAN

WORK ORDER & SHEET NO.

K8557
A101

CONSTRUCTION DOCUMENTS

REFERENCE NOTES

- 1 - EXISTING ROOF DRAIN TO REMAIN.
- 2 - EXISTING CONCRETE PAVERS TO REMAIN.
- 3 - EXISTING VINYL FENCE TO REMAIN.
- 4 - EXISTING VINYL FENCE GATE TO REMAIN.
- 5 - EXISTING PAVERS AND SUPPORT SYSTEM TO REMAIN.
- 6 - EXISTING ROOFING MEMBRANE TO REMAIN. COVER AND PROTECT AS REQUIRED DURING DEMOLITION AND NEW CONSTRUCTION.
- 7 - EXISTING CONCRETE PAVERS TO BE REMOVED.
- 8 - EXISTING CONCRETE PAVERS AND SUPPORT SYSTEM TO BE REMOVED AND STORED FOR FUTURE USE.
- 9 - EXISTING VINYL FENCE SECTIONS (2) AND POST TO BE REMOVED AND STORED FOR FUTURE USE.
- 10 - EXISTING ROOF ACCESS DOOR.
- 11 - ROOF CURB TO REMAIN.



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ROOF PLAN

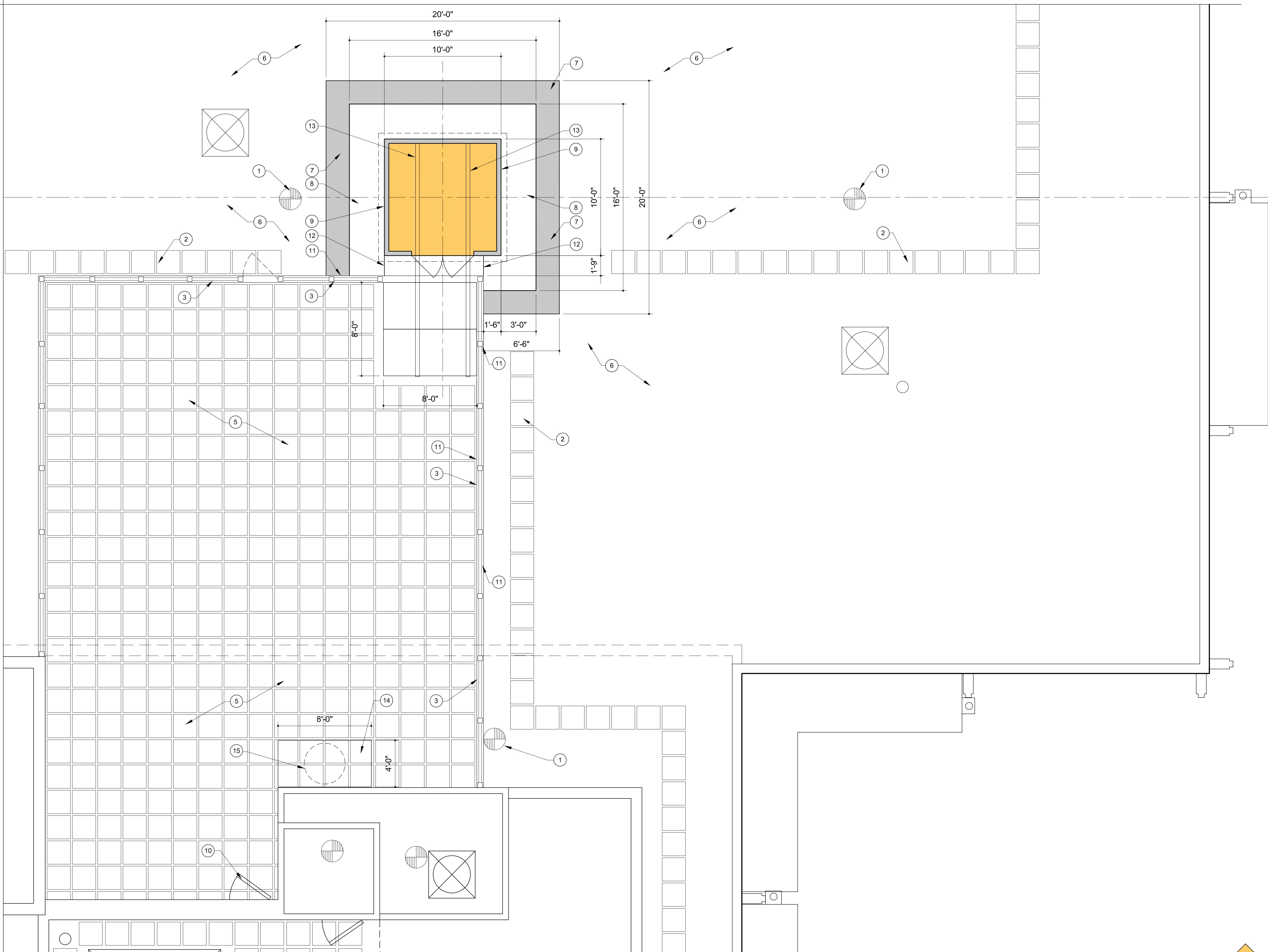
WORK ORDER & SHEET NO.

**K8557
A102**

CONSTRUCTION DOCUMENTS

REFERENCE NOTES

- 1 - EXISTING ROOF DRAIN TO REMAIN.
- 2 - EXISTING CONCRETE PAVERS TO REMAIN.
- 3 - EXISTING VINYL FENCE TO REMAIN.
- 4 - EXISTING VINYL FENCE GATE TO REMAIN.
- 5 - EXISTING PAVERS AND SUPPORT SYSTEM TO REMAIN.
- 6 - EXISTING ROOFING MEMBRANE TO REMAIN. COVER AND PROTECT AS REQUIRED DURING DEMOLITION AND NEW CONSTRUCTION.
- 7 - NEW ROOFING MEMBRANE TO BE INSTALLED OVER EXISTING MEMBRANE AS A PROTECTION SHEET FOR NEW STORAGE SHED - (20'-0" x 20'-0")
- 8 - NEW 2'x 12" TREATED DOUGLAS FIR BALLAST SUPPORT SHEATHING - (16'-0" x 16'-0").
- 9 - NEW STORAGE SHED - (10'-0" x 10'-0")
- 10 - EXISTING ROOF ACCESS DOOR.
- 11 - ROOF CURB TO REMAIN.
- 12 - NEW ACCESS RAMP CONSTRUCTION OF 2"x FRAMING WITH 3/4" PLYWOOD SHEATHING TOP AND BOTTOM AS REQUIRED - (1'-9" w x 8'-6")
- 13 - (2) NEW C4x 5.4x 20'-0" STEEL CHANNEL TRACKS TO BE SECURELY ATTACHED TO THE PLYWOOD. THIS IS A GUIDE FOR THE ANTENNA CART WHEELS. TRACKS TO BE SPACED THE PROPER DISTANCE FOR THE WHEELS TO ROLL ON.
- 14 - NEW 3/4" PLYWOOD SHEATHING ON TOP OF EXISTING CONCRETE PAVERS AND SUPPORT SYSTEM
- 15 - DASHED LINE INDICATES NEW COMPRESSOR - TO BE SUPPLIED BY CLIENT.





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ENGINEERING AND TECHNOLOGY



ROOF PLAN

WORK ORDER & SHEET NO.

K8557
A103

CONSTRUCTION DOCUMENTS

REFERENCE NOTES

- 1 - EXISTING ROOF DRAIN TO REMAIN.
- 2 - EXISTING CONCRETE PAVERS TO REMAIN.
- 3 - EXISTING VINYL FENCE TO REMAIN.
- 4 - EXISTING VINYL FENCE GATE TO REMAIN.
- 5 - EXISTING PAVERS AND SUPPORT SYSTEM TO REMAIN.
- 6 - EXISTING ROOFING MEMBRANE TO REMAIN. COVER AND PROTECT AS REQUIRED DURING DEMOLITION AND NEW CONSTRUCTION.
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- 14 - NEW 3/4" PLYWOOD SHEATHING ON TOP OF EXISTING CONCRETE PAVERS AND SUPPORT SYSTEM
- 15 - DASHED LINE INDICATES NEW COMPRESSOR - TO BE SUPPLIED BY CLIENT.
- 16 - NEW PLYWOOD SHEATHING TO BE INSTALLED LEVEL AND SMOOTH FOR INSTALLATION OF NEW STEEL ROLLER TRACKS. SHEATHING TO GO OVER THE CURB.
- 17 - NEW WOOD PLATFORM WITH 2"x FRAMING AT 16" O.C. WITH 3/4" PLYWOOD SHEATHING.
- 18 - NEW CONCRETE BLOCK BALLAST MATERIAL TO BE PLACED ON 2'x 12" BALLAST SUPPORT SHEATHING AS SHOWN. (35 BLOCKS PER SIDE FOR A TOTAL OF 105 BLOCKS)

1 5 10 25 50
SCALE: 1/4" = 1'-0"

1



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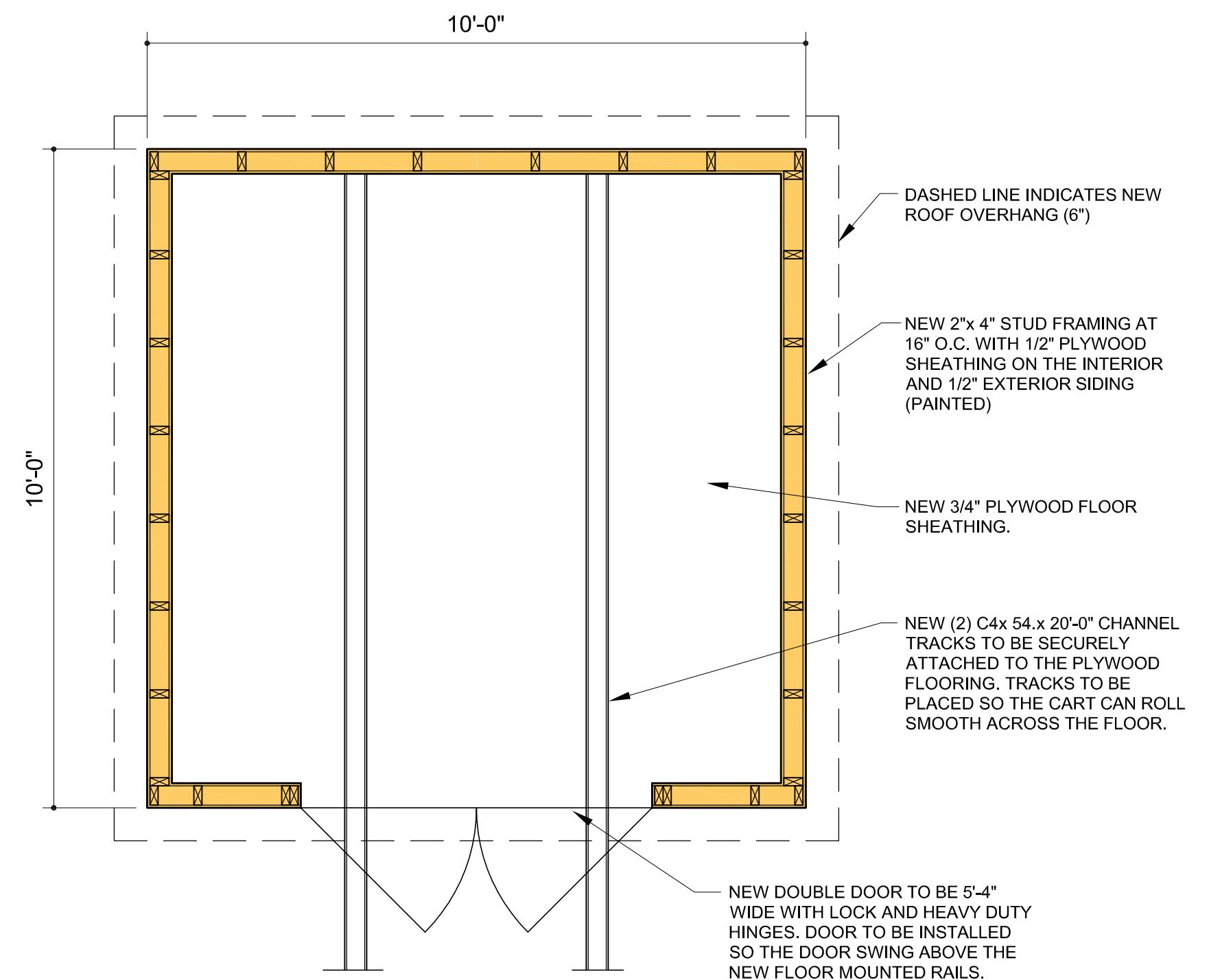


SHED DETAILS

WORK ORDER & SHEET NO.

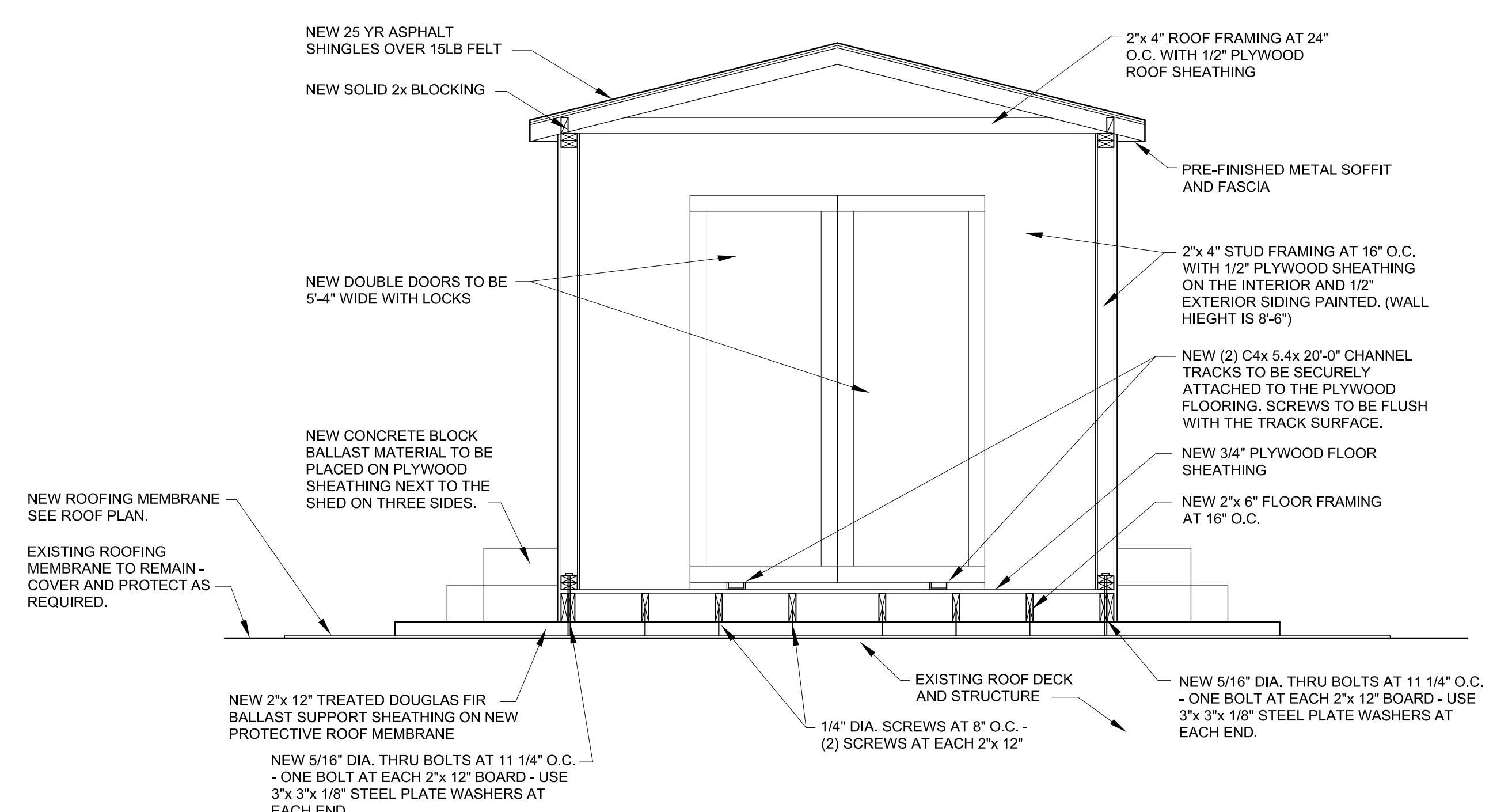
K8557
A104

CONSTRUCTION DOCUMENTS



STORAGE SHED FLOOR PLAN
SCALE: 1/2" = 1'-0"

1



SHED BUILDING SECTION PLAN
SCALE: 1/2" = 1'-0"

2



FACILITIES PLANNING
240 BRWB PROVO, UTAH 84602
PHONE: (801) 422-5504
FAX: (801) 422-0566

DATE: 4/20/20
DESIGNER: SG
DRAWN BY: SG

ADA CHECK:
CODE CHECK:
STRUCTURAL:
UTILITIES DIR:
PLANNING DIR:

CLIENT APPROVAL DATE

REVISIONS

B R I G H A M Y O U N G
U N I V E R S I T Y
M A K E C H A N G E S T O R O O F
C L Y D E B U I L D I N G
CB - LEVEL 5

ONE-LINE DIAGRAM

CB - LEVEL 5

REFERENCE NOTES

1. INSTALL NEW PANEL REFER TO ONE-LINE DIAGRAM FOR CONNECTION REQUIREMENTS.
2. INSTALL NEW TRANSFORMER REFER TO ONE-LINE DIAGRAM FOR CONNECTION REQUIREMENTS. PROVIDE 4' CONCRETE HOUSEKEEPING PAD.
3. INSTALL NEW PANEL REFER TO ONE-LINE DIAGRAM FOR CONNECTION REQUIREMENTS. PROVIDE FOUR 120/208 CIRCUITS TO TEMPORARY CODE SHED VIA #12 S/O CORDS. VERIFY CORD CAP REQUIREMENTS WITH PROJECT MANAGER.
4. INSTALL NEW DISCONNECT. MAKE CONNECTIONS TO CRYOSTAT COMPRESSOR AS REQUIRED.
5. SHOWN FOR REFERENCE ONLY.
6. INSTALL NEW FUSES IN EXISTING MCC TUB.
7. INSTALL 120V/30A POWER DROP TO EXISTING EQUIPMENT CABINET VIA #12 S/O CORD. PROVIDE STRAIN RELIEF GRIP AT BOTH ENDS OF CABLE. VERIFY CORD CAP REQUIREMENTS WITH PROJECT MANAGER.
8. INSTALL 200V/20A POWER DROP TO EXISTING EQUIPMENT CABINET VIA #12 S/O CORD. PROVIDE STRAIN RELIEF GRIP AT BOTH ENDS OF CABLE. VERIFY CORD CAP REQUIREMENTS WITH PROJECT MANAGER.

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PLANNING DIR:

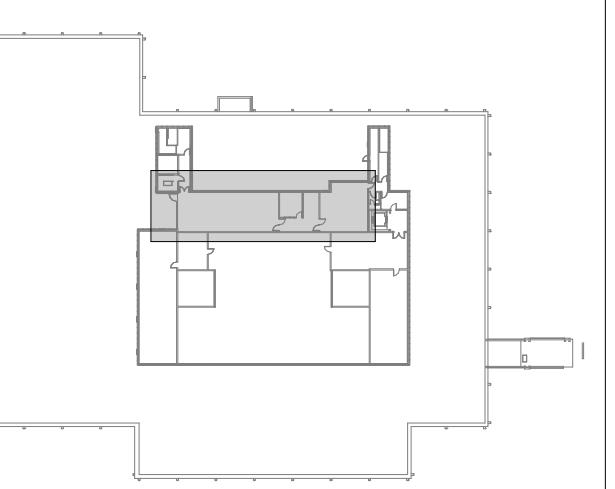
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REVISIONS

GENERAL NOTES

1. IF THERE ARE ANY DESIGN OR BUDGET PROBLEMS WITH THIS PROJECT, CONTACT THE DESIGNER ABOVE AS SOON AS POSSIBLE.
2. FOLLOW THE DESIGN AS PER THESE STANDARD PLANS. ANY CHANGES, ADDITIONS, OR ADJUSTMENTS SHALL BE REVIEWED WITH THE PERSON WHOSE ENGINEERING STAMP IS HERE ATTACHED.

LOCATION PLAN



CB - LEVEL 5

CONSTRUCTION DOCS - SHOPS

WORK ORDER & SHEET NO.

K8557
E1.1