

LEGEND OF SYMBOLS AND ABBREVIATIONS

AC	BUILDING CORNER
BG POL	BUILDING POINT ON LINE
BHC OPUS PNT	OPUS CONTROL POINT BULLHEAD CITY SURVEY DEPT
CC	CORNER OF CONCRETE
CL PST	CL METAL POST
CONC	TOP OF CONCRETE
DOG	DOG WASTE STATION
EC	EDGE OF CONCRETE
EM	ELECTRIC METER
EP	EDGE OF PAVEMENT
FF	FINISH FLOOR
FH JH	FIRE HYDRANT - JONES HEAD HYDRANT
FL	FLOW LINE
FN AP	FENCE ANGLE POINT
FNC	CHAIN LINK FENCE
GRDR	FACE OF GUARD RAIL
GS	GROUND SHOUT-RANDOM
GUY	POWER POLE GUY ANCHOR
HC STP	HANDI CAP PAVEMENT STRIPE
IRR	IRRIGATION VAULT
LOWPT	LOW POINT
LP	LIGHT POLE
MAG NAIL	SURVEY CONTROL POINT-3" MAG NAIL SET IN THE PAVEMENT
NP	NO PARKING PAVEMENT STRIPE
OVHG	OVERHANG
PLM	PALM TREE
POL	POINT ON LINE
PP	POWER POLE
PRK STP	PARKING STOP BLOCK
PST	POST
PVC	PVC PIPE - WATER VALVE
PVC 2INC	PVC PIPE 4" ABOVE GROUND - UNKNOWN SOURCE
RAL	2" IRON RAILING
SGN	SIGN
SLP	SHOT TAKEN ON SLOPE
STP	EDGE OF CONCRETE STEP
TOE	TOE OF SLOPE
TOP	TOP OF SLOPE
TRNS	POWER TRANSFORMER
WALL	BLOCK WALL
WSTP	WHITE PAVEMENT STRIPE
WV	WATER VALVE
XWALK	CROSS WALK PAVEMENT STRIPE

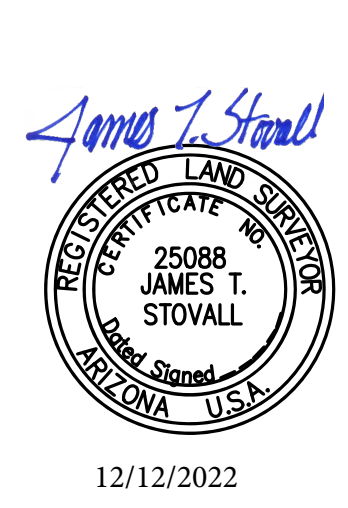
1	ASPHALT PAVEMENT
2	CONCRETE
3	WATER VALVE
4	FIRE HYDRANT - JONES HEAD
5	POWER POLE
6	POWER TRANSFORMER
7	POWER POLE GUY ANCHOR
8	GUARD RAIL
9	CHAIN LINK FENCE
10	HANDI CAP SIGN
11	3" IRON PIPE GUARD POST
12	2" IRON PIPE RAILING
13	ELEVATED CONCRETE STAIRS
◆	SURVEY CONTROL POINT
☀	STREET LIGHT

CONTROL POINTS (ARIZ STATE PLAN WEST ZONE)

Point	Northing	Easting	Elevation	Description
102	1524943.781	455205.946	532.96	MAG NAIL
104	1524833.966	455297.844	532.37	MAG NAIL
105	1525652.031	455044.790	534.21	MAG NAIL
106	1525770.245	455063.838	533.11	MAG NAIL
107	1525659.513	454931.437	512.61	MAG NAIL
108	1525267.474	455033.935	512.53	MAG NAIL
109	1524902.736	455122.483	511.40	MAG NAIL
110	1525290.803	455156.278	532.87	MAG NAIL
112	1516982.077	459753.130	730.73	BHC OPUS PNT

BASIS OF BEARING
 ARIZONA NAD83 WEST ZONE, ESTABLISHED BY GPS MEASUREMENT FROM OPUS POINT CONTROL POINT 101 TO POINT 110
 BEARING BEING N 28°57'16"W

BENCHMARK
 BULLHEAD CITY CONTROL POINT
 5/8" REBAR AND RED PLASTIC CAP, NORTHEAST OF THE BULLHEAD CITY AIRPORT, OPUS SOLUTION BY DON HUMBLE PLS, CITY SURVEYOR FOR BULLHEAD CITY, AZ. ESTABLISHED ON FEBRUARY 26, 2015
 ELEVATION 222.727 METERS (NAVD88) 730.73 FEET



STOVALL LAND SURVEYING
 7065 W. ANN ROAD, STE. 100-338
 LAS VEGAS, NEVADA 89130
 (702)419-3432
 stovallsurvey@gmail.com

TOPOGRAPHIC SURVEY
 DAVIS CAMP
 BULLHEAD CITY, ARIZONA

SCALE:	1"=50'	JOB NO.:	022-090	SHEET	OF
DWG FILE:		DRAWN BY:	JTS	1	1
DATE:	12/08/2022	CHECKED BY:	JTS		

12/12/2022

GENERAL NOTES

- ALL IMPROVEMENTS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE IMPLEMENTED IN ACCORDANCE WITH BULLHEAD CITY, MAG AND ADOT SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND OBTAINING ALL NECESSARY PERMITS, COMPLYING WITH ALL TERMS AND CONDITIONS IMPOSED BY THE PERMITTING.
- FLOOD STATEMENT: ACCORDING TO FLOOD INSURANCE RATE MAP NO. 04015C4462Z DATED NOVEMBER 18, 2009 FOR BULLHEAD CITY AND MOHAVE COUNTY, ARIZONA, THIS PROPERTY IS WITHIN "ZONE D" WHICH ARE AREAS THAT FLOOD HAZARDS ARE UNDETERMINED, BUT POSSIBLE.
- THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO EACH OF THE FOLLOWING AGENCIES PRIOR TO START OF CONSTRUCTION:
BULLHEAD CITY (WASTEWATER) - (928) 763-0166
BULLHEAD CITY (WATER) - (928) 763-9400
SUDDENLINK (CABLE) - (928) 758-4844
FRONTIER COMMUNICATION (TELEPHONE) - (877) 521-5443
UNISOURCE ENERGY SERVICES (ELECTRIC) - (877) 837-4968
SOUTHWEST GAS COMPANY (GAS) - (877) 860-6020
- PRIOR TO BIDDING THE WORK AND/OR START OF CONSTRUCTION, THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO ACTUAL SITE CONDITIONS AND EARTHWORK QUANTITIES. NO CLAIM SHALL BE MADE AGAINST THE DESIGN ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL, OR RELATIVE.
- THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO EXECUTE THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- TOPOGRAPHIC INFORMATION HAS BEEN PROVIDED BY STOVALL LAND SURVEYING. IF THE CONTRACTOR DOES NOT ACCEPT THE EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THE CONTRACTOR SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHY SURVEY BY A REGISTERED LAND SURVEYOR.
- ALL APPLICABLE LOCAL, STATE, AND NATIONAL SAFETY CODES AND REQUIREMENTS SHALL BE OBSERVED BY THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL EXERCISE CAUTION AND USE CONSTRUCTION TECHNIQUES TO PROTECT AND PRESERVE EXISTING PERMANENT SURVEY MONUMENTS. ALL MONUMENTS DISTURBED SHALL BE REPLACED AND/OR REHABILITATED IN ACCORDANCE WITH STANDARDS BY A PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY. CONTRACTORS SHALL VERIFY SIZE, LOCATION, MATERIAL, AND ELEVATION OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE DRAWINGS, AS NECESSARY TO ACCOMMODATE PROPOSED CONSTRUCTION.
- THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT AT THE JOB SITE FOR MAINTAINING DUST CONTROL AND SHALL CONTROL DUST AS DIRECTED BY THE OWNERS REPRESENTATIVE AND CITY OR COUNTY INSPECTORS.
- NO PROJECT WILL BE CONSIDERED COMPLETE UNTIL ALL CLEAN-UP IS COMPLETE INCLUDING BUT NOT LIMITED TO CURBS, PAVEMENTS AND SIDEWALKS BEING SWEEP CLEAN OF AL DIRT AND DEBRIS.
- ANY WORK AND MATERIAL NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS EXPENSE.
- ALL TRAFFIC CONTROL SHALL BE INSTALLED ACCORDING TO THE GOVERNING AUTHORITIES REQUIREMENTS AND THE LATEST EDITION OF THE MUTCD. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE WORK. ALL DEVICES SHALL BE IN GOOD REPAIR AND MEET THE PERFORMANCE REQUIREMENTS OF THE MUTCD.
- NO CHANGES TO THE SET OF IMPROVEMENT PLANS APPROVED FOR CONSTRUCTION WILL BE ALLOWED UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE ENGINEER OF RECORD OR OWNER AND PROPOSED CHANGES SUBMITTED TO BULLHEAD CITY FOR REVIEW AND RE-ACCEPTANCE.
- ANY DISCREPANCIES IN THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM THE APPROVED PLANS ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
- REMOVAL AND REPLACEMENT QUANTITIES ARE APPROXIMATE AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETENESS AND ACCURACY OF A DETAILED ESTIMATE BASED ON THESE PLANS, CURRENT CODES AND SITE VISITS.
- THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION OR VARIANCE FROM THESE PLANS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.
- THE ENGINEER HAS NOT BEEN RETAINED BY THE OWNER TO PROVIDE AS-BUILT SERVICES. THE CONTRACTOR SHALL PROVIDE THE APPROPRIATE PROFESSIONAL TO PROVIDE ALL NECESSARY AS-BUILT INFORMATION TO ENABLE ALL FINAL APPROVALS, INSPECTIONS, AND CERTIFICATES FROM ALL NECESSARY JURISDICTIONS.
- NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE ANY CONTRACTUAL RELATIONSHIP BETWEEN THE DESIGN ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
- THE PROJECT IS DESIGNED ON LOCAL COORDINATE SYSTEM.

STORMWATER RUNOFF MANAGEMENT

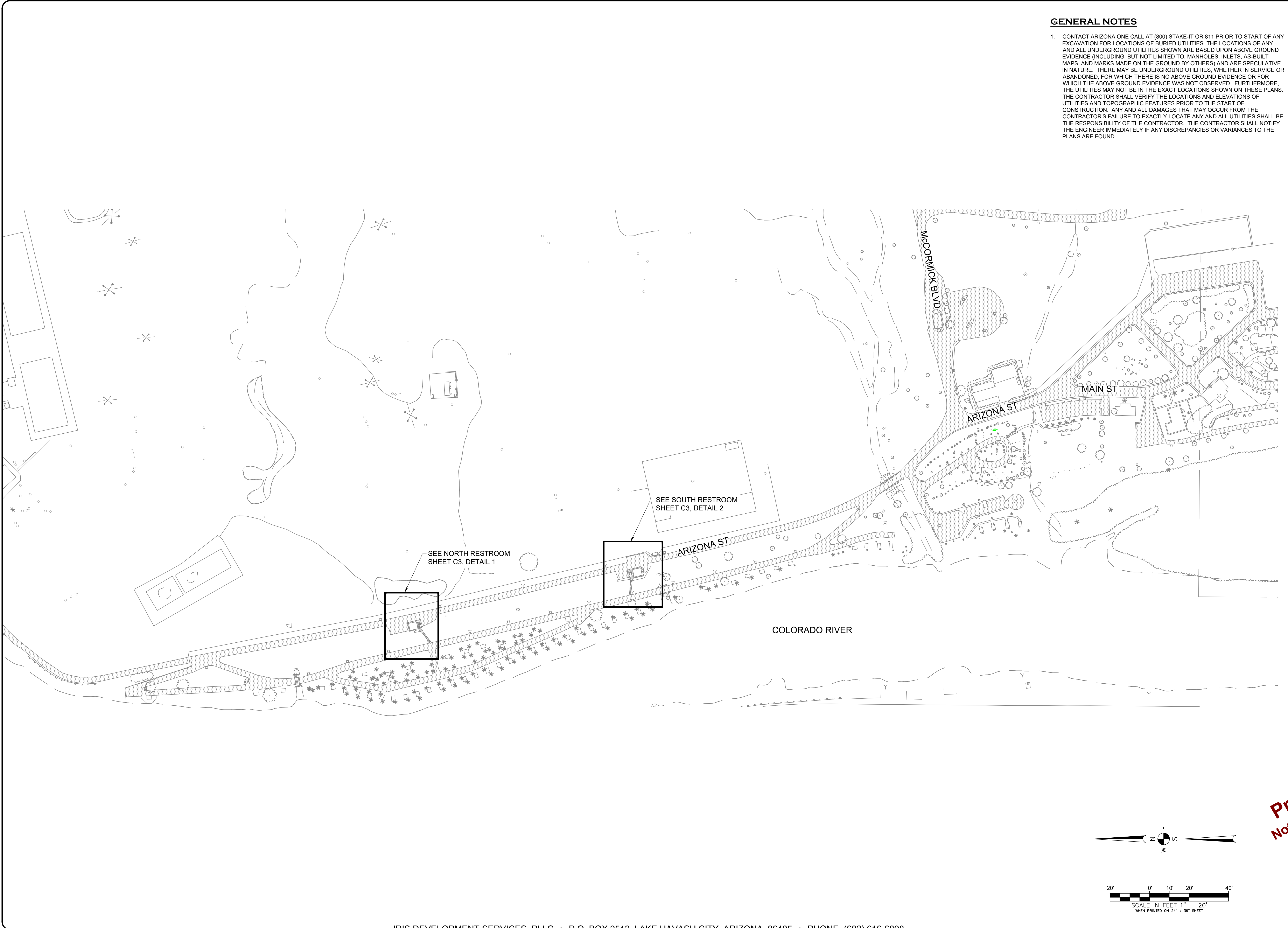
- THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF BULLHEAD CITY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
- ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CONSTRUCTION SITE BEST MANAGEMENT PRACTICES GUIDANCE MANUAL.
- TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS POSSIBLE AND NOT LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY. REFER TO ARIZONA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY.
- AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR GREATER. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE ARIZONA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES.
- ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN THE BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

LEGEND	
EXISTING	PROPOSED
PROPERTY BOUNDARY	PROPERTY BOUNDARY
EASEMENT	EASEMENT
RIGHT OF WAY LINE	RIGHT OF WAY LINE
BUILDING SETBACK	BUILDING SETBACK
PROPERTY CORNER REBAR	PROPERTY CORNER REBAR
MARK SET IN CONCRETE	MARK SET IN CONCRETE
BORE LOCATION	BORE LOCATION
BENCHMARK	BENCHMARK
CENTERLINE OF ROADWAY	CENTERLINE OF ROADWAY
LIMITS OF DISTURBANCE	LIMITS OF DISTURBANCE
OVERHEAD ELECTRIC	OVERHEAD ELECTRIC
POWER POLE	POWER POLE
ELECTRIC METER	ELECTRIC METER
ELECTRIC PEDESTAL	ELECTRIC PEDESTAL
ELECTRIC OUTLET POST	ELECTRIC OUTLET POST
LIGHT POLE	LIGHT POLE
NATURAL GAS	NATURAL GAS
GAS METER	GAS METER
UNDER GROUND TELEPHONE	UNDER GROUND TELEPHONE
TELEPHONE PEDESTAL	TELEPHONE PEDESTAL
COMMUNICATIONS VAULT	COMMUNICATIONS VAULT
UNDERGROUND TV CABLE	UNDERGROUND TV CABLE
TV CABLE PEDESTAL	TV CABLE PEDESTAL
FIBER OPTIC	FIBER OPTIC
5' CONTOUR	5' CONTOUR
1' CONTOUR	1' CONTOUR
SPOT ELEVATION	SPOT ELEVATION
TOP OF FINISH GRADE	TOP OF FINISH GRADE
TOP OF SUBGRADE	TOP OF SUBGRADE
TOP OF CONCRETE	TOP OF CONCRETE
TOP OF ASPHALT	TOP OF ASPHALT
TOP OF GRAVEL	TOP OF GRAVEL
INVERT	INVERT
TOP BACK OF CURB	TOP BACK OF CURB
FLOWLINE	FLOWLINE
WATER LINE	WATER LINE
WATER SERVICE LINE	WATER SERVICE LINE
FIRE HYDRANT	FIRE HYDRANT
WATER GATE VALVE	WATER GATE VALVE
WATER SHUT OFF	WATER SHUT OFF
WATER METER	WATER METER
FITTINGS	FITTINGS
SANITARY SEWER	SANITARY SEWER
FORCE MAIN	FORCE MAIN
SANITARY MANHOLE	SANITARY MANHOLE
SANITARY SEWER CLEAN OUT	SANITARY SEWER CLEAN OUT
STORM SEWER	STORM SEWER
STORM SEWER MANHOLE	STORM SEWER MANHOLE
SQUARE STORM INLET	SQUARE STORM INLET
STORM MANHOLE	STORM MANHOLE
STORM CURB INLET	STORM CURB INLET
TRENCH DRAIN	TRENCH DRAIN
DRAINWAY	DRAINWAY
SIGN	SIGN
POST / BOLLARD	POST / BOLLARD
BUILDING	BUILDING
STANDARD CURB & GUTTER	STANDARD CURB & GUTTER
CONCRETE	CONCRETE
ASPHALT	ASPHALT
GRAVEL	GRAVEL
RIP RAP	RIP RAP
REMOVALS	REMOVALS
ADA TRUNCATED DOMES	ADA TRUNCATED DOMES
WARNING PANEL	WARNING PANEL
HANDICAP SYMBOL	HANDICAP SYMBOL

Preliminary
Not for construction

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GENERAL NOTES

- CONTACT ARIZONA ONE CALL AT (800) STAKE-IT OR 811 PRIOR TO START OF ANY EXCAVATION FOR LOCATIONS OF BURIED UTILITIES. THE LOCATIONS OF ANY AND ALL UNDERGROUND UTILITIES SHOWN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, AS-BUILT MAPS, AND MARKS MADE ON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY BE UNDERGROUND UTILITIES, WHETHER IN SERVICE OR ABANDONED, FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH THE ABOVE GROUND EVIDENCE WAS NOT OBSERVED. FURTHERMORE, THE UTILITIES MAY NOT BE IN THE EXACT LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE START OF CONSTRUCTION. ANY AND ALL DAMAGES THAT MAY OCCUR FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE ANY AND ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OR VARIANCES TO THE PLANS ARE FOUND.

REVISIONS:	23014 EXHIBIT 1 - PLAN SET
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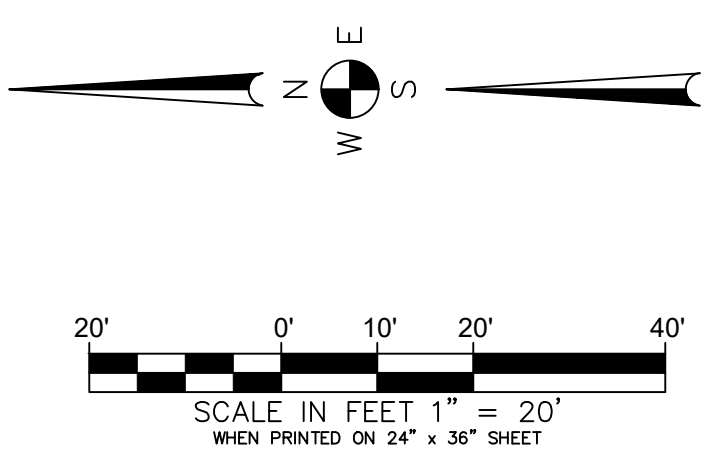


OVERALL SITE LAYOUT
 CAMP DAVIS RESTROOMS
 KINGMAN, ARIZONA

DESIGNER: MFH
 DRAWN BY: MFH

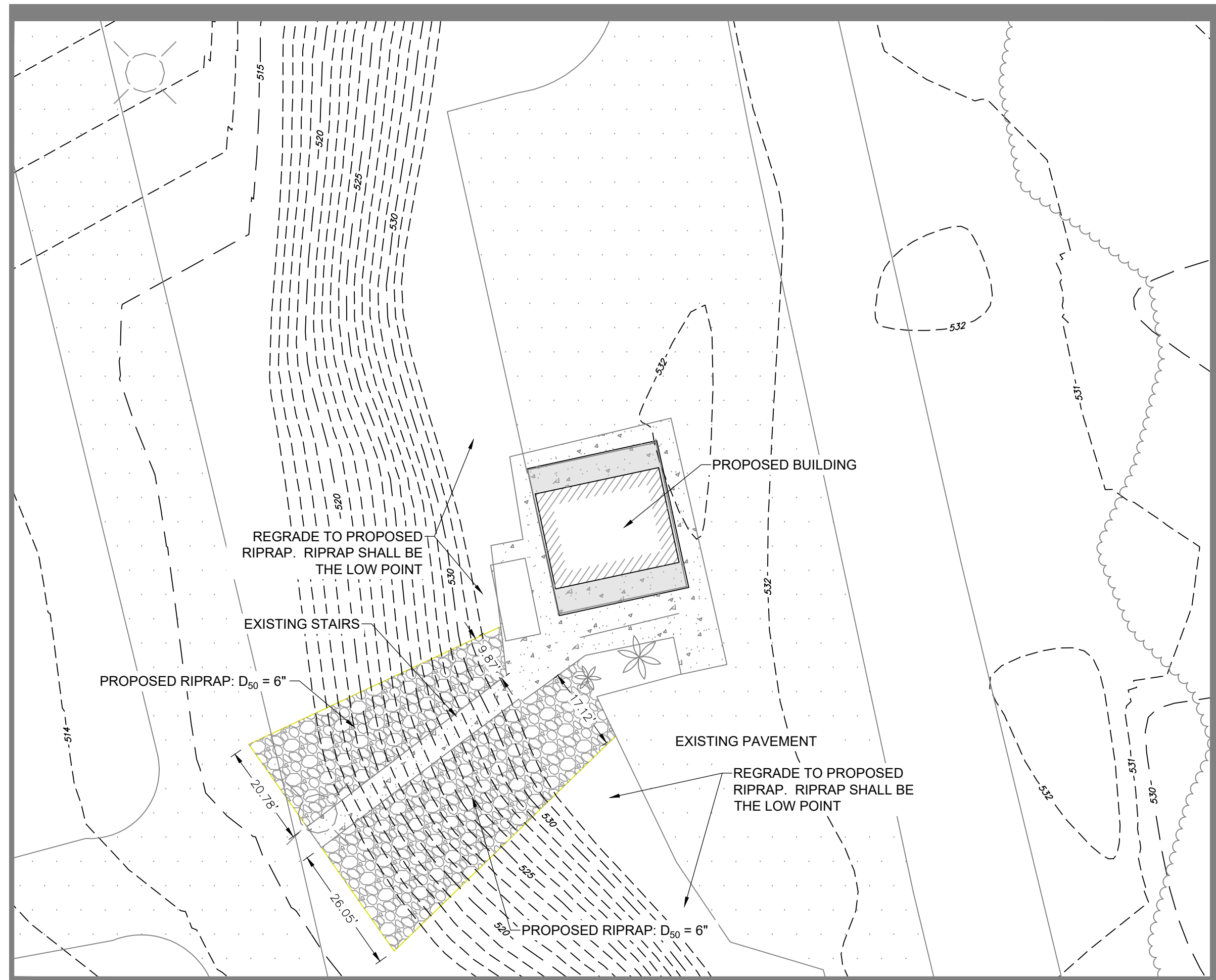
PROJECT NO.
 2022-70

SHEET NO.
C2
 2 of 3

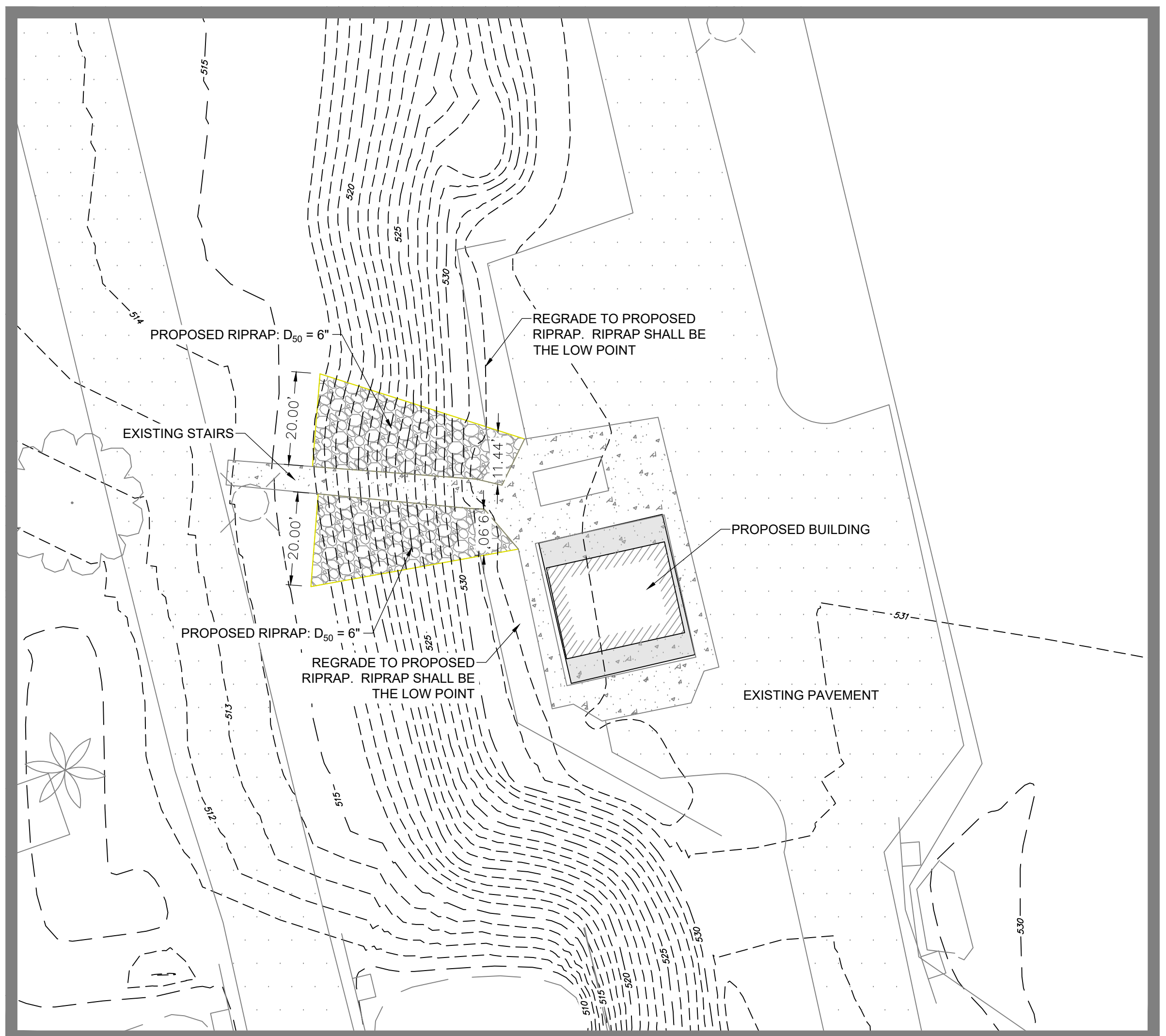


Preliminary
 Not for construction

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1 NORTH RESTROOM DETAIL
C3 SCALE: 1"=20'



2 SOUTH RESTROOM DETAIL
C3 SCALE: 1"=20'

GENERAL NOTES

- CONTACT ARIZONA ONE CALL AT (800) STAKE-IT OR 811 PRIOR TO START OF ANY EXCAVATION FOR LOCATIONS OF BURIED UTILITIES. THE LOCATIONS OF ANY AND ALL UNDERGROUND UTILITIES SHOWN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, AS-BUILT MAPS, AND MARKS MADE ON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY BE UNDERGROUND UTILITIES, WHETHER IN SERVICE OR ABANDONED, FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH THE ABOVE GROUND EVIDENCE WAS NOT OBSERVED. FURTHERMORE, THE UTILITIES MAY NOT BE IN THE EXACT LOCATIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE START OF CONSTRUCTION. ANY AND ALL DAMAGES THAT MAY OCCUR FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE ANY AND ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OR VARIANCES TO THE PLANS ARE FOUND.

REVISIONS:	23814 EXHIBIT 1-PLAN SET
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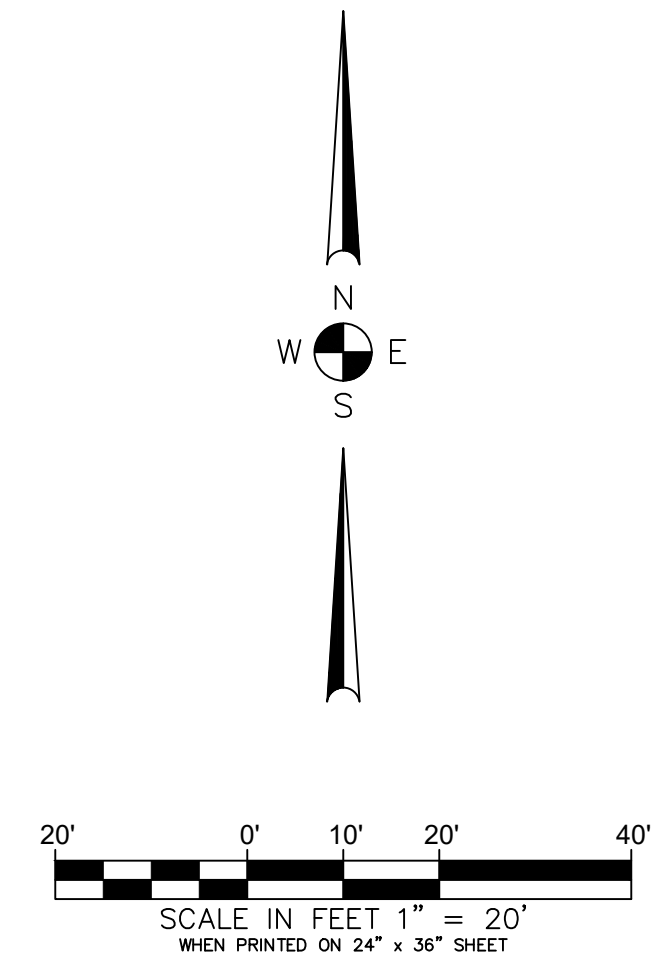
SITE LAYOUT
CAMP DAVIS RESTROOMS
KINGMAN, ARIZONA

DESIGNER: MFH
DRAWN BY: MFH



PROJECT NO.
2022-70

SHEET NO.
C3
3 of 3



Preliminary
Not for construction

DAVIS CAMP PARK RESTROOMS

BULLHEAD CITY, ARIZONA

ARCHITECT:
SELBERG ASSOCIATES, INC.

(DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE)

TODD BRAUTGAM, AIA
2130 MESQUITE AVE, SUITE 204
LAKE HAVASU CITY, AZ 86403
(928) 855-6544

CIVIL:
IRIS DEVELOPMENT SERVICES, PLLC

901 N. HIGHWAY 77
HILLSBORO, TX 76645

MODULAR BUILDINGS:
CXT INCORPORATED

901 N. HIGHWAY 77
HILLSBORO, TX 76645

GENERAL NOTES

VERIFY ALL DIMENSIONS WITH ARCHITECT PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE OWNER. ALL CONSTRUCTION SHALL CONFORM TO ALL LOCAL, STATE, & FEDERAL CODES AND REGULATIONS.

ALL SPECIFICATIONS, DIMENSIONS, AND NOTES SHALL HAVE PRECEDENCE OVER SCALE.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES.

WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.

WHERE THERE MAY BE A CONFLICT IN THE SPECIFICATIONS AND/OR DRAWINGS THEN THE MORE EXPENSIVE LABOR, MATERIALS, AND EQUIPMENT SHALL BE ASSUMED TO BE REQUIRED AND SHALL BE PROVIDED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER.

WHEN WORK NOT SPECIFICALLY CALLED OUT IS REQUIRED TO COMPLETE THE PROJECT, IT SHALL BE PROVIDED BY THE CONTRACTOR WITH THE BEST MATERIALS AND WORKMANSHIP.

CONTRACTOR IS REQUIRED TO ABIDE BY THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS GENERAL CONDITIONS AND RELATED DOCUMENTS UNLESS DIRECTED OTHERWISE BY THE OWNER.

THE STARTING OF WORK BY ANY SUBCONTRACTORS SHALL BE CONSIDERED EVIDENCE THAT HE HAS INSPECTED AND ACCEPTED ALL CONDITIONS INVOLVED IN HIS WORK AND FINDS THEM SATISFACTORY.

ALL COMPONENTS, EQUIPMENT, ETC., SHALL BE INSTALLED PER THE MANUFACTURERS REQUIREMENTS AND PRINTED RECOMMENDATIONS.

THIS BUILDING IS TO BE CONSTRUCTED ACCORDING TO ALL INDUSTRY STANDARDS.

ALL EXPOSED SURFACES NOT FACTORY PREFINISHED SHALL BE PAINTED.

UNLESS OTHERWISE NOTED ALL WEATHER EXPOSED SURFACES SHALL HAVE A WEATHER RESISTIVE BARRIER TO PROTECT THE INTERIOR FINISHES.

ALL EXTERIOR OPENINGS SHALL BE FLASHED AND COUNTER FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF.

ALL GYPSUM BOARD SHALL BE TAPED PER THE GYPSUM CONSTRUCTION HANDBOOK AND FASTENED PER THE MANUFACTURERS REQUIREMENTS UNLESS THE STRUCTURAL ENGINEER REQUIRES OTHERWISE OR IF THE FIRE RATED ASSEMBLY REQUIRES OTHERWISE.

DEFERRED SUBMITTALS:

DEFERRED SUBMITTALS: (PER 2018 IBC SECTION 106.3.4.2)

FOR THE PURPOSES OF THIS SECTION, DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN WHICH ARE NOT SUBMITTED AT THE TIME OF THE APPLICATION AND WHICH ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL WITH A SPECIFIED PERIOD. DEFERRAL OF ANY SUBMITTAL ITEMS SHALL HAVE PRIOR APPROVAL OF THE BUILDING OFFICIAL. THE ARCHITECT OR ENGINEER OF THE RECORD SHALL LIST THE DEFERRED SUBMITTALS ON THE PLANS AND SHALL SUBMIT THE DEFERRED SUBMITTAL DOCUMENTS FOR REVIEW BY THE BUILDING OFFICIAL.

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

DEFERRED SUBMITTALS:

N/A

SITE INFORMATION

PROJECT LOCATION: 2251 AZ-68, BULLHEAD CITY, AZ 86429

OWNER NAME: MOHAVE COUNTY AND UNITED STATES OF AMERICA

PARCEL NUMBER(S): 347-10-011 AND 347-10-012

LOT AREA: 273.3 ACRES AND 67.1 ACRES

LEGAL DESCRIPTION: T21N R21W SEC 30 LOTS 1, 2 & 3, W2 NE4, E2 NW4, NE4 SW4, NW4 SE4 EXCEPTING THEREFROM A STRIP OF LAND 300' IN WIDTH LANDWARD FROM THE EXISTING BANK OF THE COLORADO RIVER, SEC 19- THE SOUTHERN 1000' OF THE SEC CONSISTING OF A STRIP OF LAND BEG AT THE E 1/16 CO

JURISDICTION: BULLHEAD CITY

EXISTING ZONING: PL - PUBLIC LANDS

CODE ANALYSIS

PROJECT DESCRIPTION:

THE PROJECT CONSISTS OF THE DEMOLITION AND REPLACEMENT OF 4 RESTROOM BUILDINGS AT THE DAVIS CAMP PARK IN THE JURISDICTION OF BULLHEAD CITY, ARIZONA. THE DEMOLITION WILL INCLUDE REMOVAL OF THE EXISTING RESTROOM BUILDINGS WHILE KEEPING WATER, SEWER, AND ELECTRICAL UTILITIES INTACT FOR THE INSTALLATION OF NEW MODULAR RESTROOM BUILDINGS.

APPLICABLE CODES:

- 2018 INTERNATIONAL BUILDING CODE (IBC) w/ BULLHEAD CITY AMENDMENTS
- 2018 INTERNATIONAL FIRE CODE (IFC)
- 2018 INTERNATIONAL PLUMBING CODE (IPC)
- 2018 INTERNATIONAL MECHANICAL CODE (IMC)
- 2017 NATIONAL ELECTRICAL CODE (NEC)
- 2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (A117.1)
- 2010 AMERICANS WITH DISABILITIES ACT (ADA)

1. BASIS OF ANALYSIS:

2018 INTERNATIONAL BUILDING CODE (IBC) w/ BULLHEAD CITY AMENDMENTS

2. OCCUPANCY CLASSIFICATION (IBC CHAPTER 3):

GROUP U

3. CONSTRUCTION TYPE (IBC CHAPTER 6):

TYPE V-B

4. FIRE SPRINKLERS:

NOT PROVIDED

5. FIRE ALARM:

NOT PROVIDED

6. BUILDING HEIGHTS AND ALLOWABLE AREAS (IBC TABLE 503):

ALLOWABLE AREA BASED ON CONSTRUCTION TYPE						
BUILDING	USE GROUP	CONSTRUCTION TYPE	ALLOWABLE AREA	ACTUAL AREA	ALLOWABLE HEIGHT (FEET/STORIES)	ACTUAL HEIGHT (FEET/STORIES)
AREA "A"	U	TYPE V-B	5,500 SF	520 SF	40' / 1	12'-0" / 1
AREA "B"	U	TYPE V-B	5,500 SF	520 SF	40' / 1	12'-0" / 1
AREA "C"	U	TYPE V-B	5,500 SF	520 SF	40' / 1	12'-0" / 1

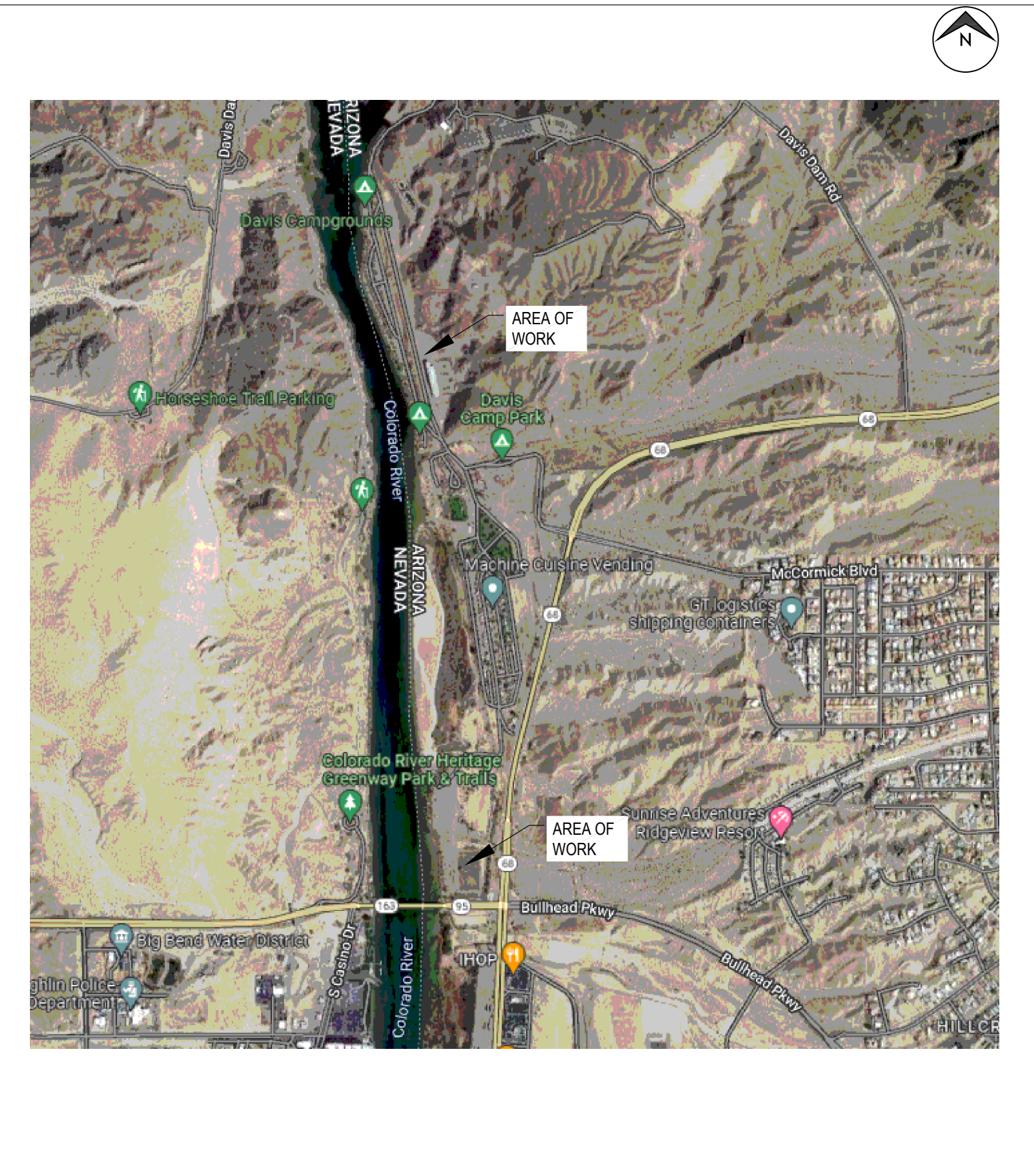
SITE PLAN



SHEET INDEX

SHEET NO.	SHEET TITLE	SUBMITTALS AND DATES
A0.01	PROJECT DATA & COVER SHEET	01/13/2023 PERMIT SET
ARCHITECTURAL		
A0.02	DEMOLITION SITE PLAN	
A1.01	SITE PLAN	
A2.01	ENLARGED FLOOR PLANS	
CIVIL		
C1	GENERAL NOTES AND LEGEND	
C2	OVERALL SITE LAYOUT	
C3	SITE LAYOUT - ENLARGED VIEWS	
MODULAR BUILDING		
REFER TO MODULAR SHOP DRAWINGS SHEET INDEX		

VICINITY MAP



Preliminary
Not for Construction

PROJECT NAME:
DAVIS CAMP PARK RESTROOMS
BULLHEAD CITY, ARIZONA
2251 AZ-68

ARCHITECT OF RECORD
SELBERG ASSOCIATES INC.
ARCHITECTURE & PLANNING
2130 MESQUITE AVE | SUITE 204
LAKE HAVASU CITY | ARIZONA | 86403
(928) 855-6544

PROJECT NO. 22070

ISSUED FOR: PERMIT SET

ISSUED DATE: JANUARY 13, 2023

REVISION ISSUE DATE

SHEET TITLE:
PROJECT DATA & COVER SHEET

SHEET NO. **A0.01**

Preliminary
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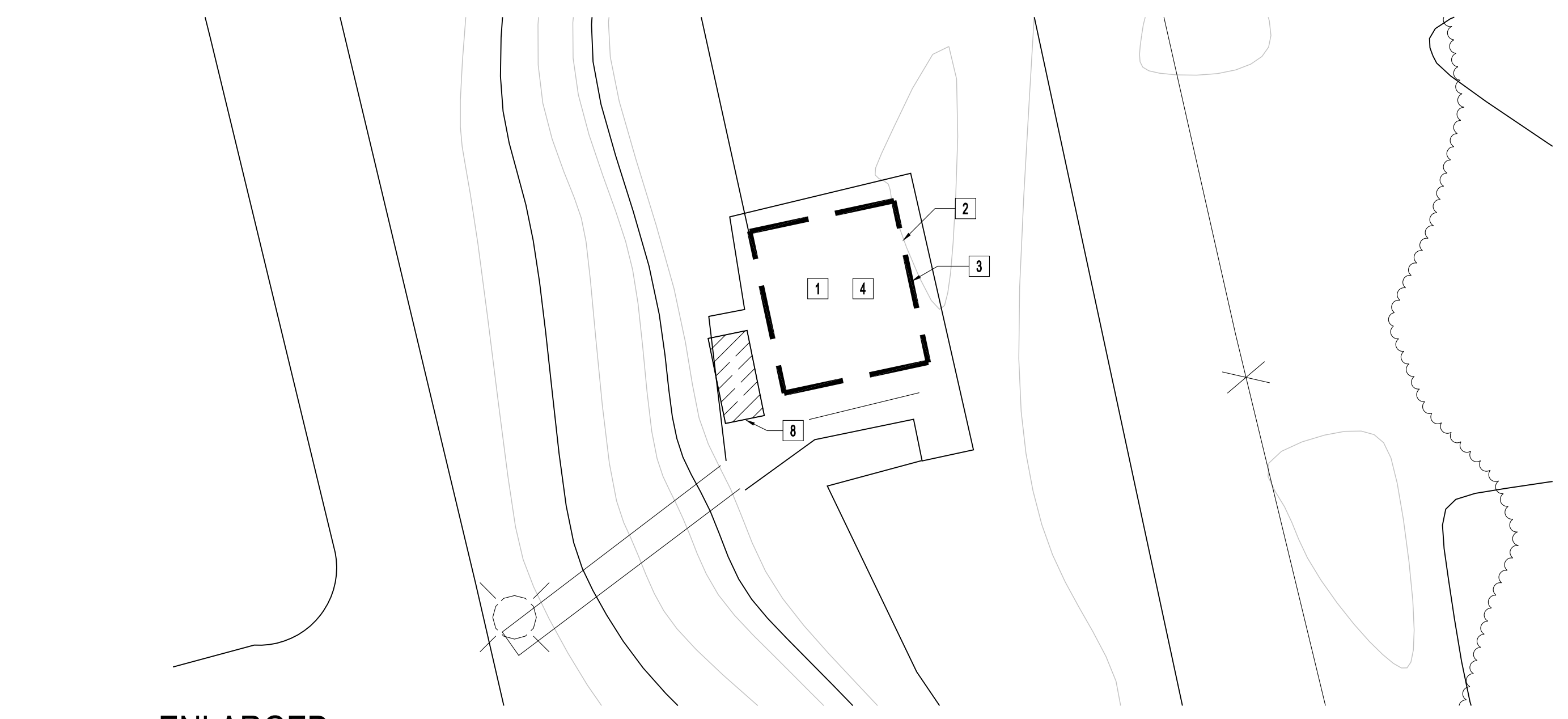
DEMOLITION NOTES

- ALL ITEMS TO REMAIN U.O.
- ALL RELOCATED ITEMS AS PER OWNER.
- HEAVILY CUT DEPRESSIONS, GRASSES, AND THE LIKE WITH CARBORUNDUM SAWS AS REQUIRED, AND REMOVE ALL EXISTING CONSTRUCTION AS REQUIRED. FILL IN WITH MATERIALS TO MATCH EXISTING.
- CONDUCT ALL OPERATIONS WITH A MINIMUM OF NOISE.
- CONTRACTOR IS RESPONSIBLE TO PROMPTLY REPAIR DAMAGES TO EXISTING AND NEW FACILITIES CAUSED DURING CONSTRUCTION OPERATIONS AS DIRECTED BY CONTRACTING OFFICER AT NO COST TO OWNER.
- CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS, SIZES, AND LOCATION OF EXISTING AND NEW CONSTRUCTION.
- PROVIDE AND MAINTAIN SUITABLE BARRICADES, SHELTERS, LIGHTS AND DANGER SIGNALS DURING THE PROGRESS OF THE WORK. THEY SHALL MEET THE REQUIREMENTS OF STATE AND/OR LOCAL BUILDING CODES. ASSUME FULL RESPONSIBILITY OF BARRIERS TO COMPLETION OF CONTRACT AND REMOVE SAME.
- TAKE REASONABLE AND ADEQUATE PRECAUTIONS TO PROTECT THE OWNER'S PROPERTY FROM DAMAGE DURING DEMOLITION WORK. MOVING OF DEBRIS, RESTORE ANY DAMAGE TO THE OWNER'S PROPERTY DUE TO THE AFORESAID WORK OR REPLACE IN A MANNER SATISFACTORY TO THE OWNER.
- REMOVE ALL WORK CAREFULLY AND ONLY TO THE EXTENT REQUIRED FOR THE FINAL WORK. REMOVE ALL LOOSE OR DAMAGED MATERIALS CAUSED BY DEMOLITION, OR NOTED, OR SPECIFIED TO BE REMOVED.
- ERECT DUSTPROOF PARTITION WHERE DEMOLITION WORK IS IN PROGRESS AND AS DIRECTED. SUCH PARTITIONS SHALL REMAIN IN PLACE UNTIL THEIR REMOVAL AS DIRECTED.
- CAREFULLY REMOVE ANY MATERIALS AND EQUIPMENT NOTED OR SPECIFIED TO BE REUSED OR SALVAGED AND HANDLE WITH CARE TO MINIMIZE DAMAGE.
- THE USE OF PNEUMATIC OR ELECTRIC HAMMERS FOR DEMOLITION AND CUTTING PURPOSES WITHIN THE EXISTING BUILDING WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE OWNER.
- REMOVE ALL MATERIALS OR DEBRIS RESULTING FROM DEMOLITION OPERATIONS FROM THE SITE PROMPTLY. NO ACCUMULATION OF DEBRIS WILL BE PERMITTED.
- THE CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED OR DELETERIOUS MATERIAL, RUBBLE, DEBRIS AND WASTE OFF THE SITE, AT HIS EXPENSE.
- ALL TRANSPORTATION REQUIRED TO Haul, AND DISPOSE OF ALL ITEMS REQUIRED WILL BE FURNISHED BY THE CONTRACTOR.
- AFTER THE DEMOLITION WORK IN ANY AREA IS COMPLETED, CLEAN ALL SURFACES, BEFORE ANY NEW CONSTRUCTION IS STARTED.

SITE KEYNOTES: #

1. EXISTING CONCRETE FLOOR SLAB TO BE REMOVED, PATCH AND REPAIR ADJACENT CONCRETE PRIOR TO CONSTRUCTION OF THE NEW BUILDING.
2. EXISTING SEWER LINE TO REMAIN. CLEAN, CAP AND PREPARE IT FOR NEW BUILDING'S SEWER CONNECTION.
3. EXISTING ELECTRICAL LINE AND CONDUIT TO REMAIN. CLEAN, CAP AND PREPARE IT FOR NEW BUILDING'S ELECTRICAL CONNECTION.
4. EXISTING BUILDING TO BE REMOVED.
5. EXISTING BUILDING TO REMAIN.
6. EXISTING PORTION OF CONCRETE SIDEWALK AND GRASS PATCH TO BE REMOVED FOR NEW BUILDING AND SIDEWALK TO BE BUILT.
7. EXISTING PALM TREE TO REMAIN.
8. EXISTING SHADE CANOPY TO REMAIN.

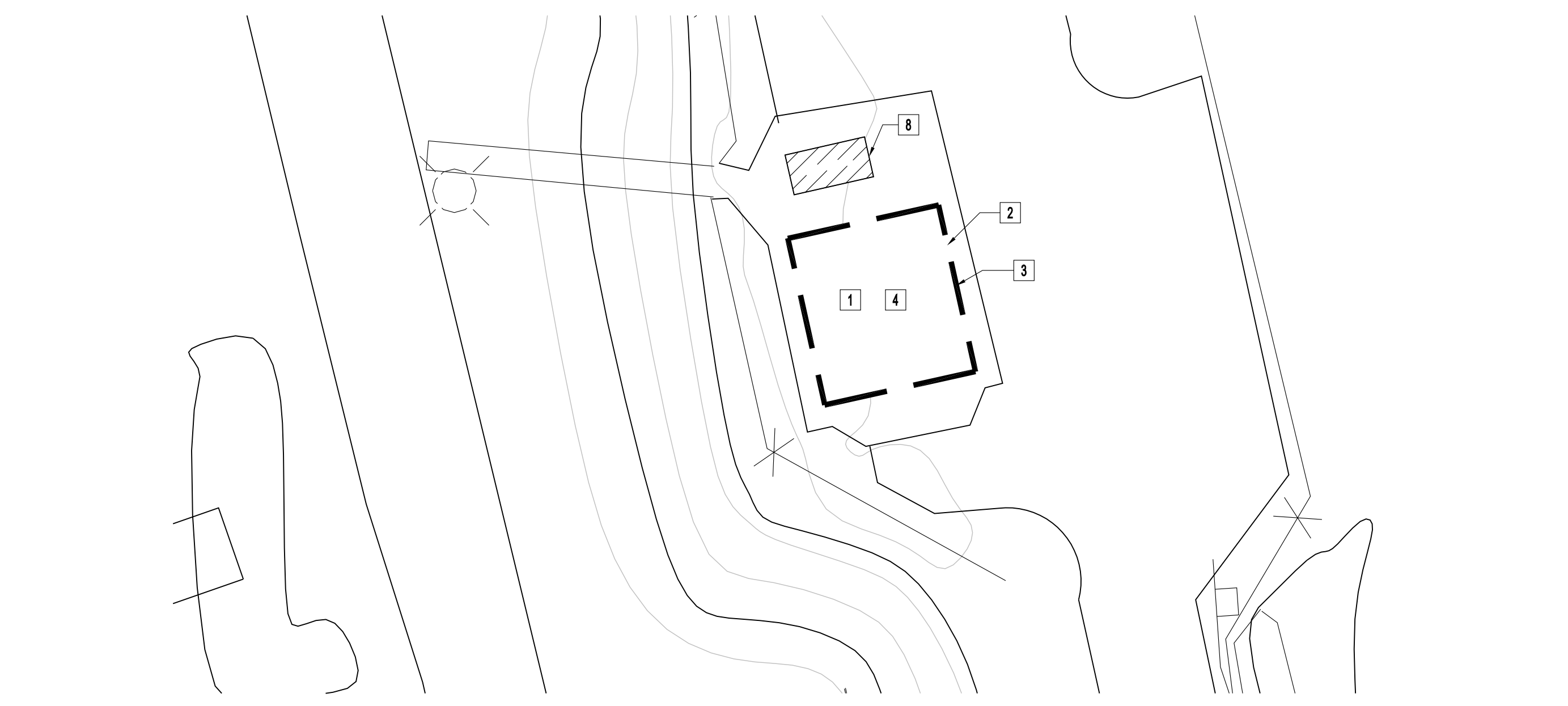
GENERAL NOTES:
UTILITIES & SITE COMPONENTS TO BE REMOVED SHALL BE FIELD COORDINATED & VERIFIED PRIOR TO DEMOLITION. NOTE ANY DISCREPANCIES AND REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH WORK.



**ENLARGED
SITE DEMO PLAN**

2

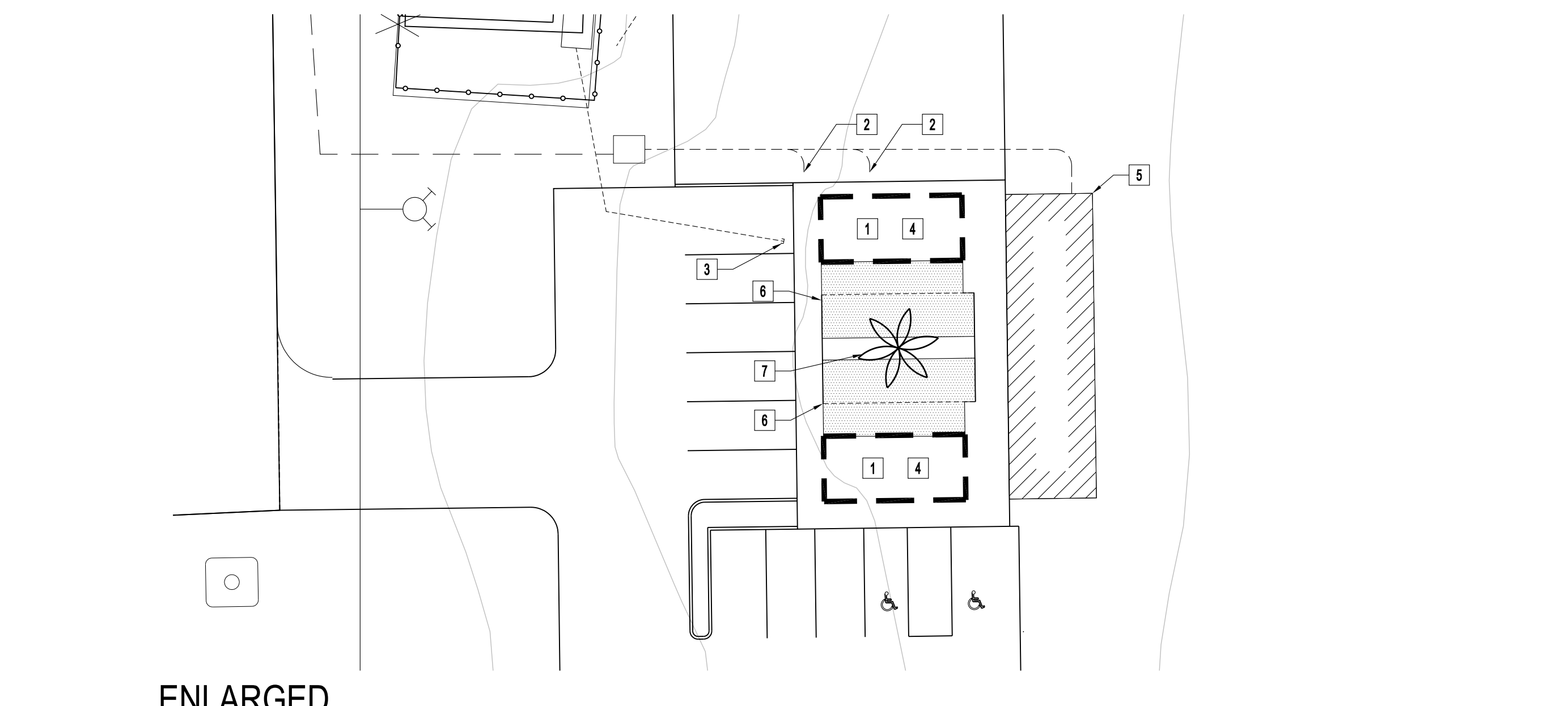
1" = 20'-0"



**ENLARGED
SITE DEMO PLAN**

3

1" = 20'-0"



**ENLARGED
SITE DEMO PLAN**

4

1" = 20'-0"

ARCHITECT OF RECORD

**SELBERG
ASSOCIATES
INC.**
ARCHITECTURE &
PLANNING

2130 MESQUITE AVE. | SUITE 204
LAKE HAVASU CITY | ARIZONA | 86403
(928) 855-8544

PROJECT NO. 22070

ISSUED FOR: PERMIT SET

ISSUED DATE: JANUARY 13, 2023

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SHEET TITLE:

DEMOLITION SITE PLAN

SHEET NO.

A0.02

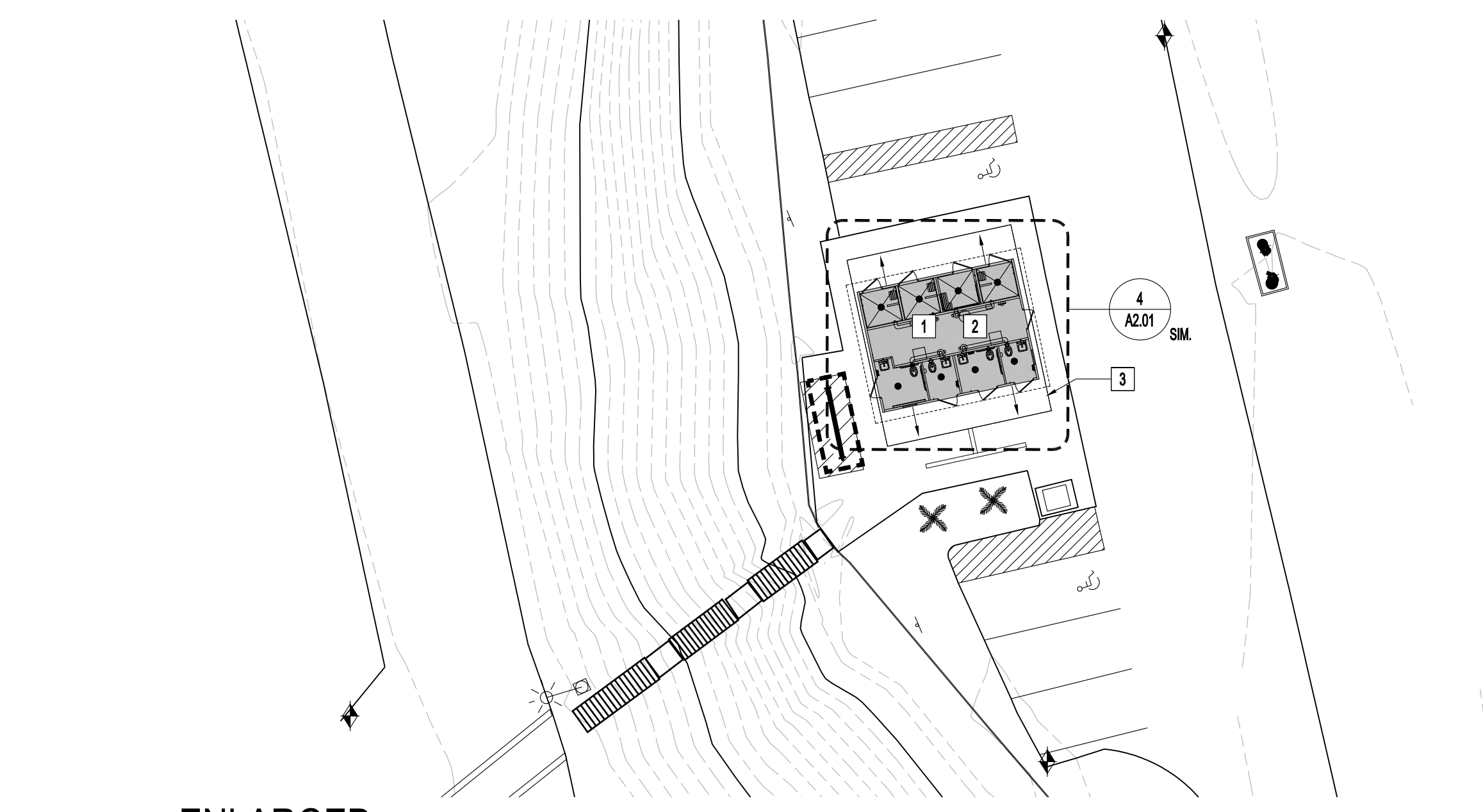
Preliminary
Not for Construction

GENERAL NOTES:

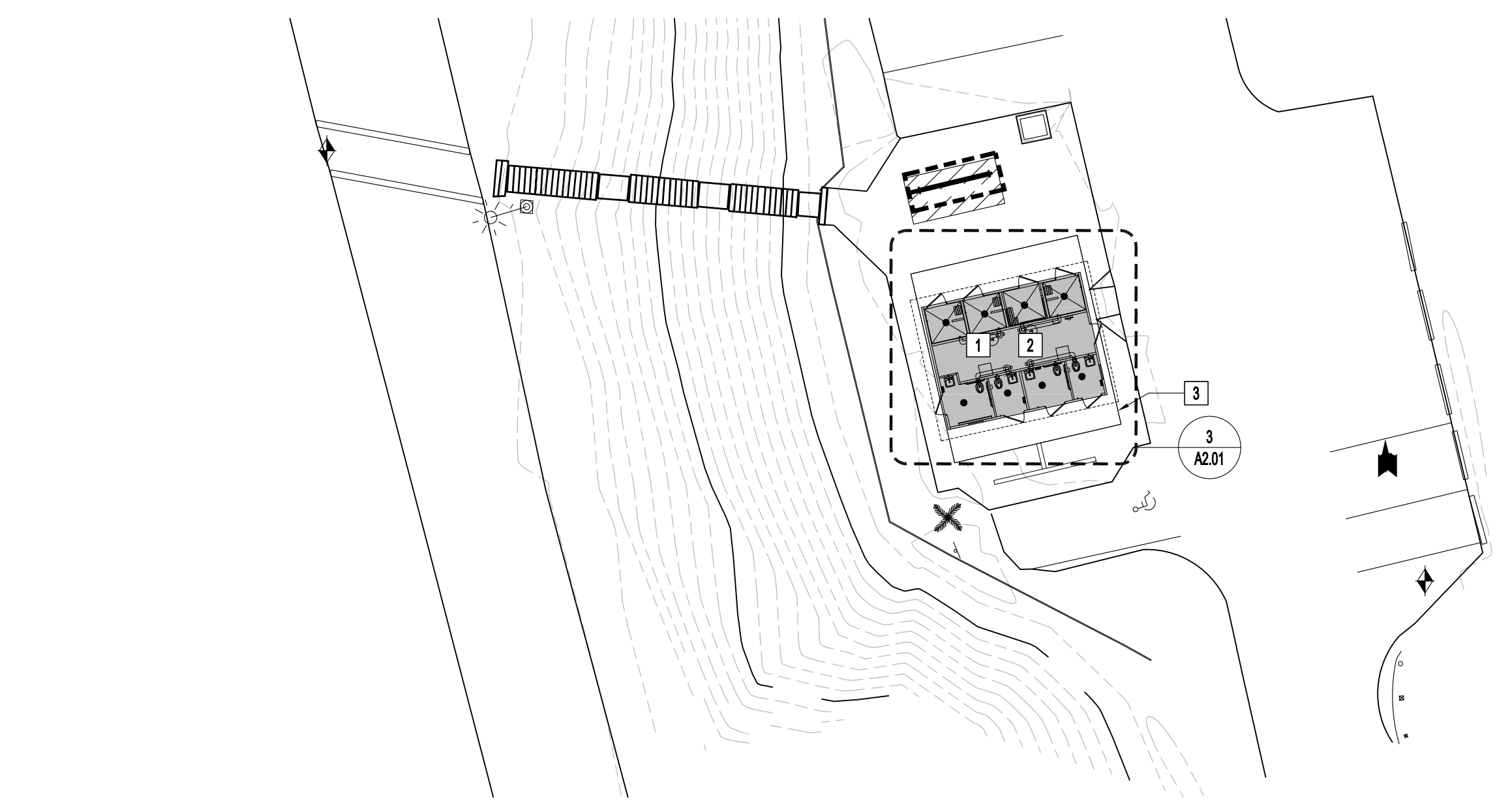
1. UTILITIES & SITE COMPONENTS NEEDED SHALL BE FIELD COORDINATED & VERIFIED PRIOR TO INSTALLATION. NOTE ANY DISCREPANCIES AND REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH WORK.
2. BUILDING LOCATION AND ELEVATIONS TO BE VERIFIED PRIOR TO PLACEMENT AND INSTALLATION OF THE BUILDING.

SITE KEYNOTES:

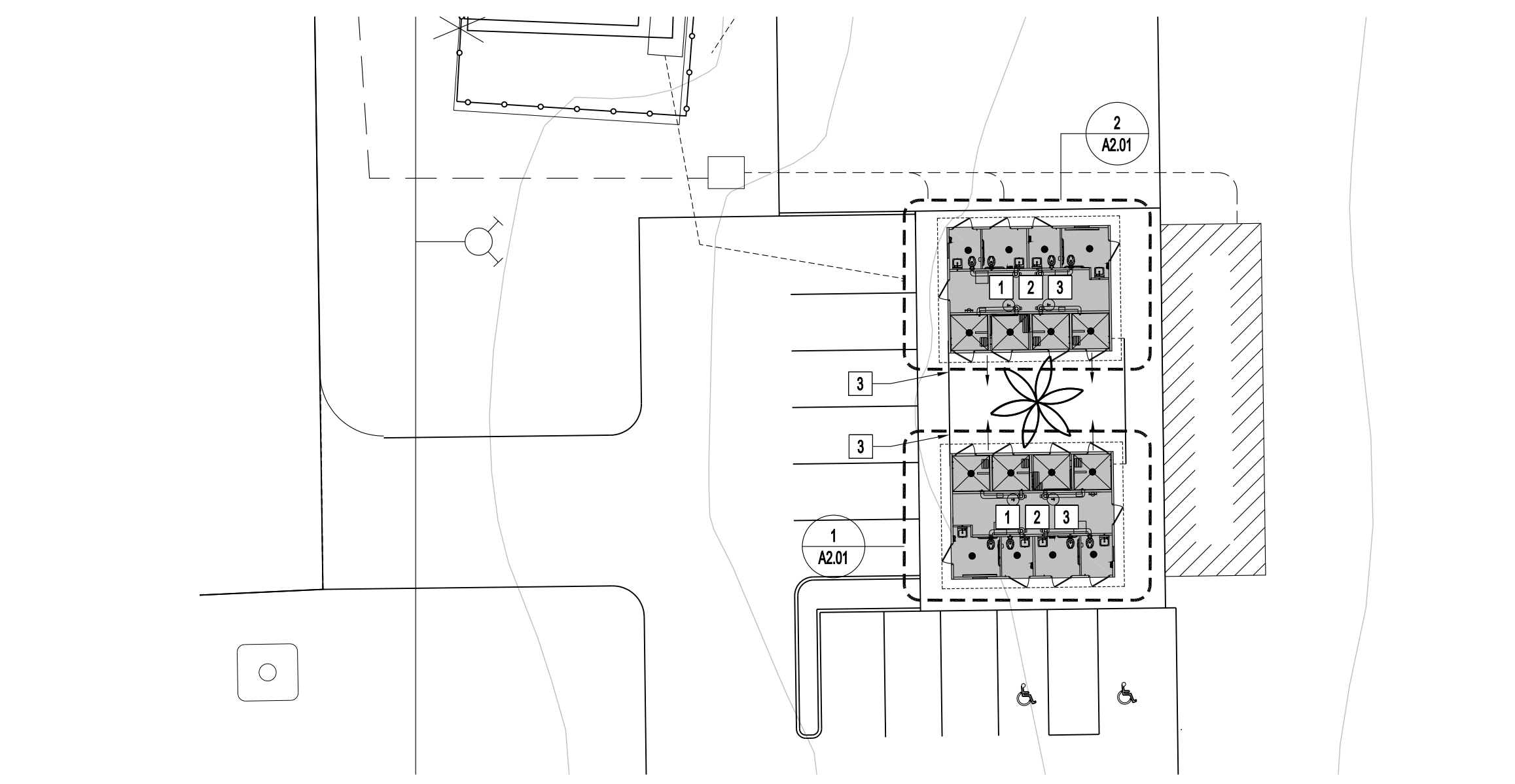
1. PREFABRICATED BUILDING BY CXT PER DRAWINGS TITLED "SANTIGO FILE NO. S-381"
2. MAINTAIN EXISTING FINISH FLOOR ELEVATION AND EXTERIOR GRADE AT 2% SLOPE AWAY FROM THE BUILDING. PRIOR TO PLACEMENT OF PREFABRICATED BUILDING BY CXT, A PROPERLY PREPARED SUB-BASE SHALL BE PROVIDED. SUB-BASE SHALL BE 7" THICK AND CONSIST OF A.B.C. FILL COMPACTED TO 95% OF OPTIMUM DENSITY IN ACCORDANCE WITH ASTM D 1557 AS RECOMMENDED BY RESTROOM BUILDING MANUFACTURER. REFER TO BUILDING HANDLING SHEET FOR SUB-BASE REQUIREMENTS DURING BUILDING PLACEMENT. THE COMBINATION OF THE COMPACTED SUB-BASE MATERIAL AND THE BUILDING'S REINFORCED SLAB NEED TO BE AT LEAST 12" THICK.
3. EXISTING PAVEMENT TO REMAIN. REMODELED PAVEMENT BY OWNER.
4. CRAWLSPACE VOID TO BE FILLED WITH A.B.C. COMPACTED TO 95% OF OPTIMUM DENSITY.



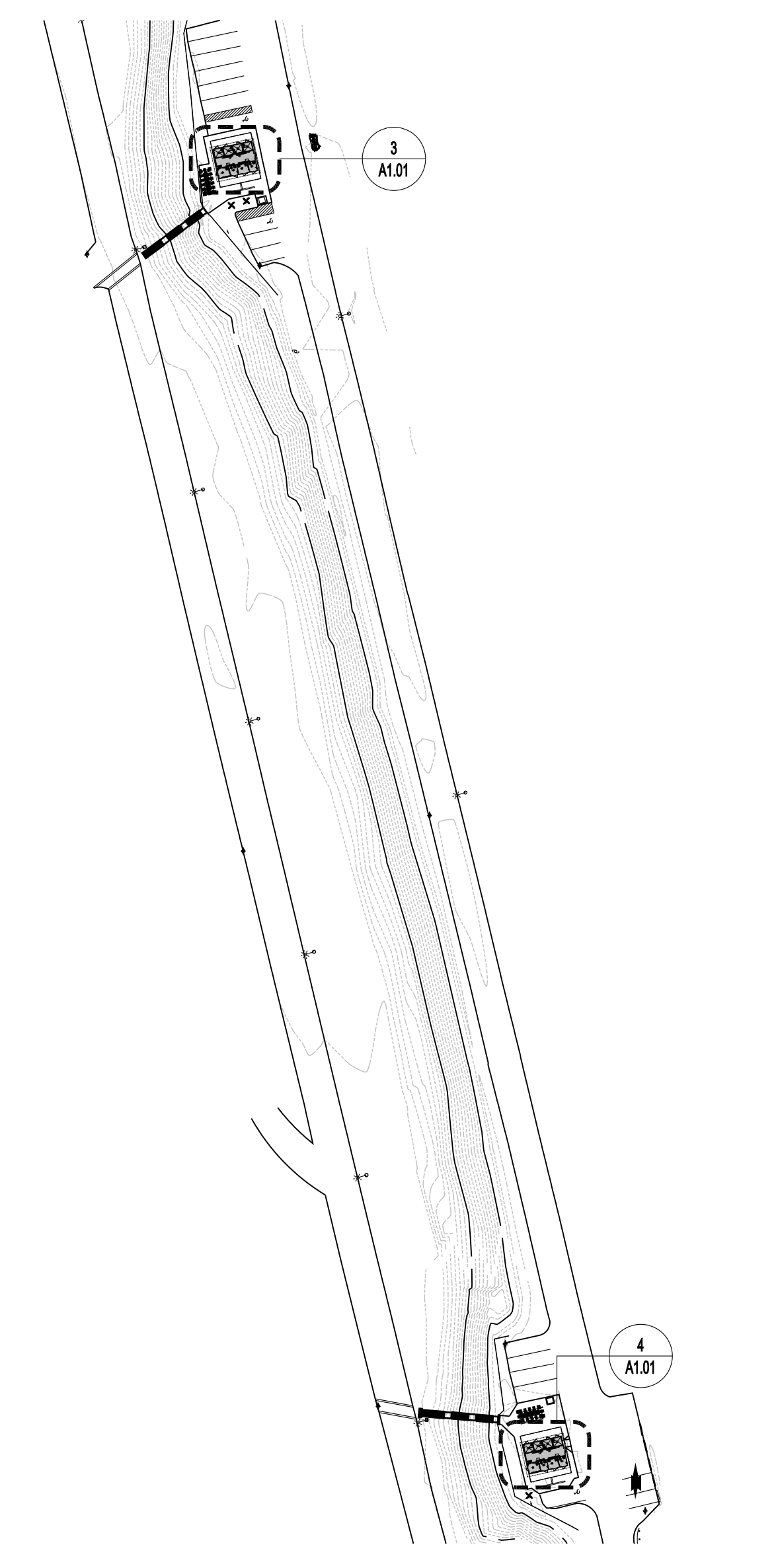
3 ENLARGED SITE PLAN - AREA 'D'
1" = 20'-0"



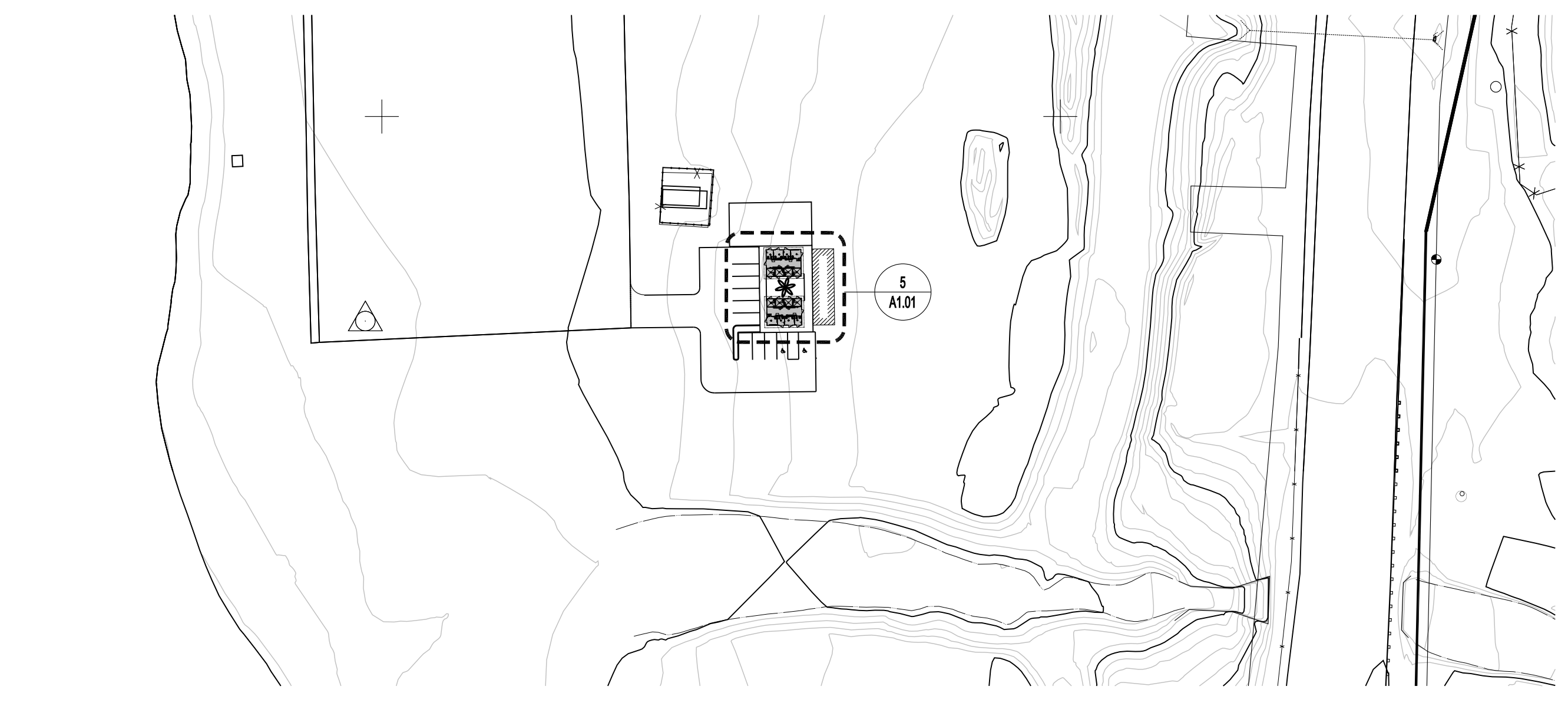
4 ENLARGED SITE PLAN - AREA 'C'
1" = 20'-0"



5 ENLARGED SITE PLAN - AREA 'A' AND 'B'
1" = 20'-0"



1 REFERENCE OVERALL SITE PLAN
1" = 1000'



2 REFERENCE OVERALL SITE PLAN
1" = 1000'

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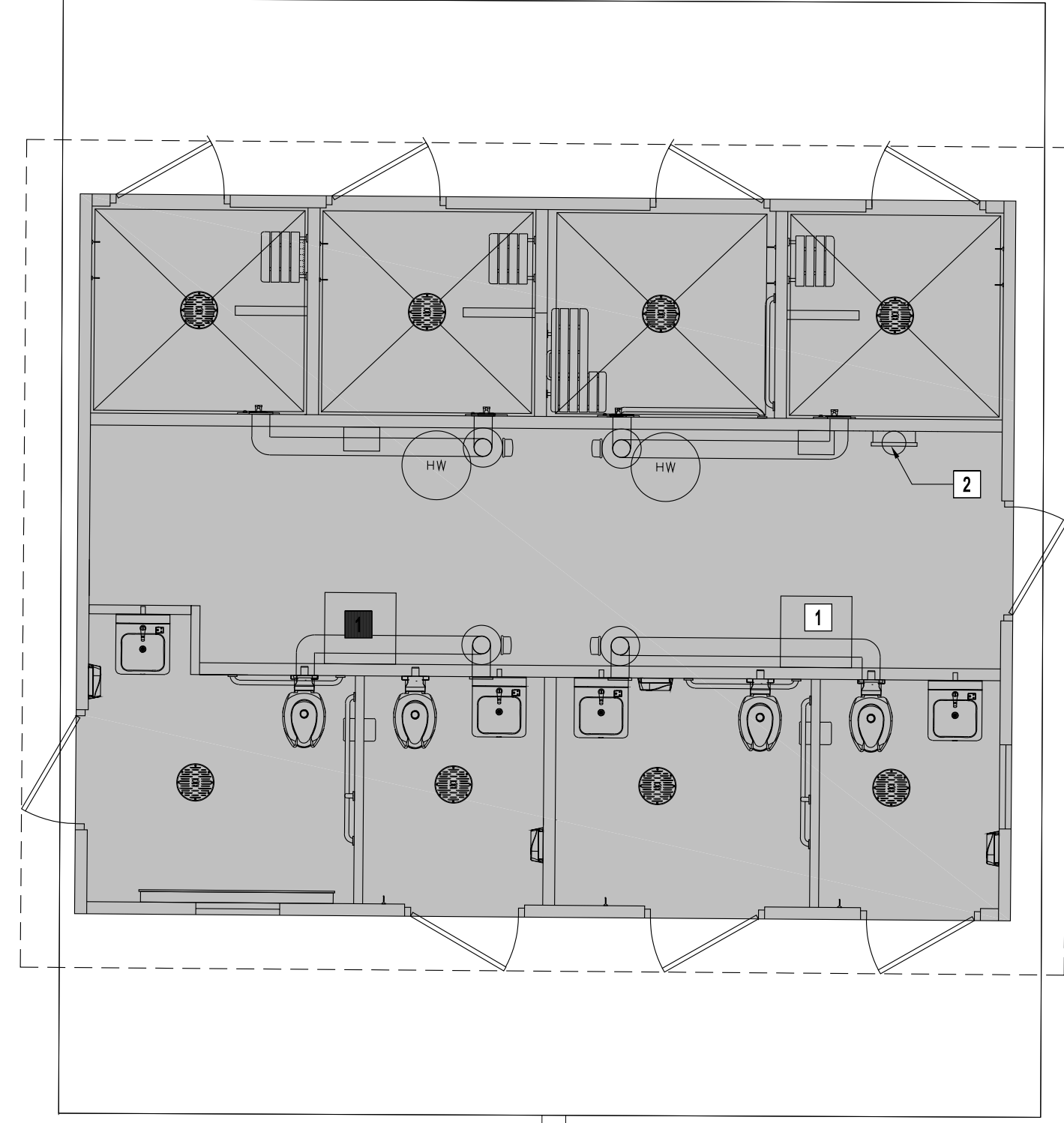
SHEET TITLE:
SITE PLAN

SHEET NO.
A1.01

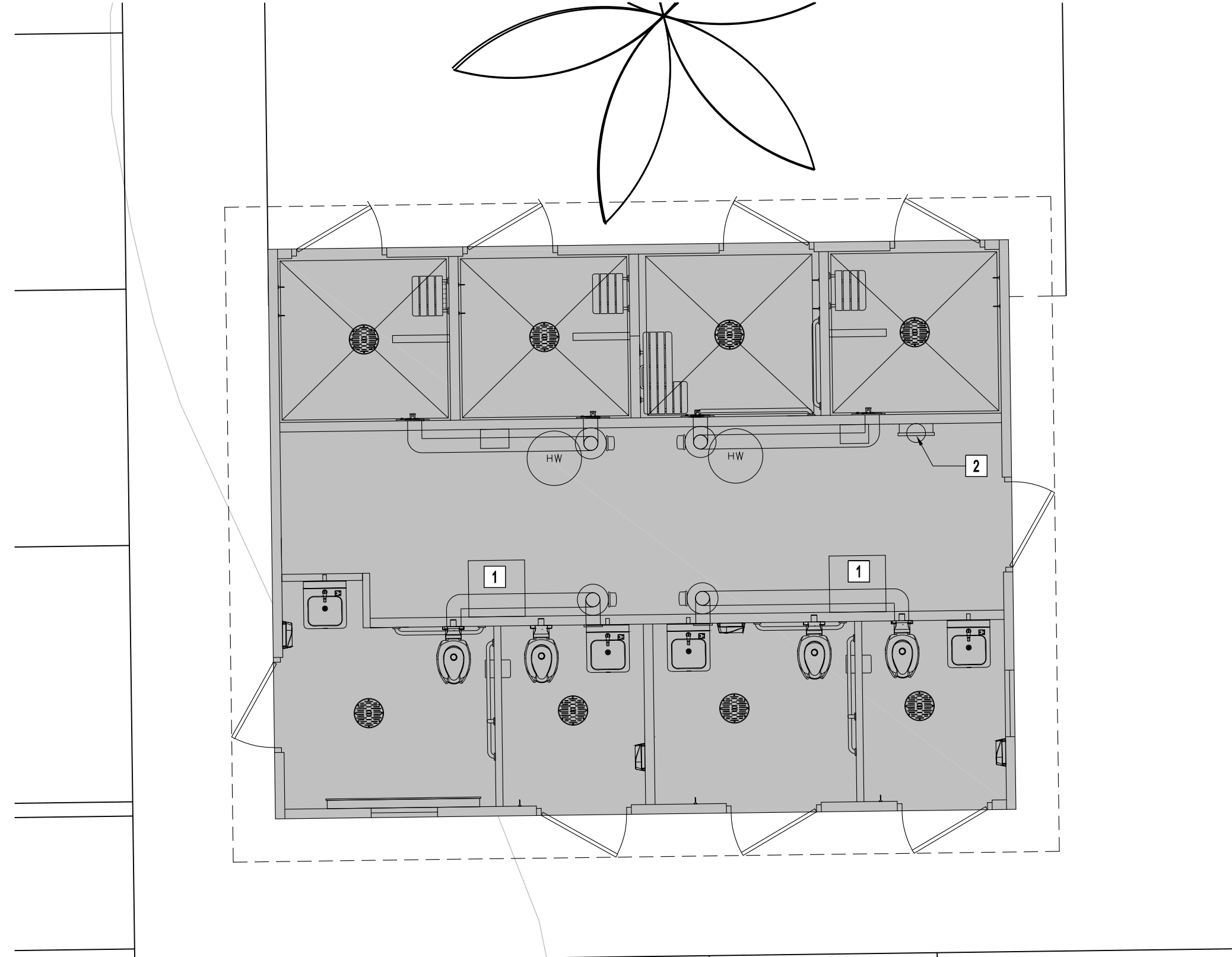
Preliminary
Not for Construction

- GENERAL NOTES:**
- UTILITIES & SITE COMPONENTS NEEDED SHALL BE FIELD COORDINATED & VERIFIED PRIOR TO INSTALLATION. NOTE ANY DISCREPANCIES AND REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING WITH WORK.
 - BUILDING LOCATION AND ELEVATIONS TO BE VERIFIED PRIOR TO PLACEMENT AND INSTALLATION OF THE BUILDING.
 - ALL PLUMBING FIXTURES, ELECTRICAL FIXTURES, AND MECHANICAL EQUIPMENT PER CXT PER DRAWINGS TITLED 'SANTIAGO FILE NO. S-388'.
 - BEFORE SUBMITTING BID, THE PLUMBING CONTRACTOR SHALL REVIEW WITH THE OWNER TO INCLUDE IN HIS BID AN AMOUNT, IF NEEDED, TO FURNISH AND INSTALL ANY FIXTURES IN ADDITION TO FIXTURES SHOWN ON THE PLUMBING DRAWINGS.
 - CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWER TO WHICH NEW WASTE LINES ARE TO BE CONNECTED BEFORE MAKING UP OR INSTALLATION OF NEW WASTE SYSTEM.
 - CONTRACTOR SHALL VERIFY AND COORDINATE LOCATION OF ALL PLUMBING/SEWER LINES AND ELECTRICAL SERVICES.
 - CONTRACTOR SHALL NOT CUT HOLES IN STRUCTURAL MEMBERS WITHOUT FIRST SECURING WRITTEN APPROVAL FROM THE ARCHITECT.
 - ASSUMED WATER PRESSURE - CONTRACTOR SHALL VERIFY ACTUAL WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE IS LESS THAN 50 PSI CONTRACTOR SHALL CONTACT THE MOHAVE COUNTY FOR PIPE SIZING EVALUATION. IF PRESSURE EXCEEDS 80 PSI, A PRESSURE REDUCING VALVE SHALL BE PROVIDED. PIPING VELOCITY SHALL NOT EXCEED 8 FEET PER SECOND.
 - EXTEND, IF POSSIBLE, THE NEW CW TO 5'-0" BEYOND THE BUILDING EXTERIOR. FIELD COORDINATION FOR CONNECTION TO THE EXISTING WATER METER, OR VERIFY W/ OWNER IF NEW WATER METER WILL BE NEEDED (BY OTHERS). FIELD VERIFY THE EXISTING WATER LINE AND MAKE NEEDED ADJUSTMENTS FOR ITS CORRECT FUNCTION.
 - EXTEND, IF POSSIBLE, NEW WASTE TO 5'-0" BEYOND BUILDING EXTERIOR. FIELD VERIFY THE EXISTING SEWER LINE AND INVERT ELEVATIONS AND MAKE NEEDED ADJUSTMENTS FOR ITS CORRECT FUNCTION.
 - CONNECT ALL NEW ELECTRICAL LINE TO THE EXISTING ELECTRICAL, OR VERIFY W/ OWNER IF NEW ELECTRICAL GEAR WILL BE NEEDED (BY OTHERS).
 - WHERE NOT SPECIFIED FEEDERS SHALL BE COPPER.
 - NEW FEEDERS SHALL RUN BELOW GRADE OR IN CEILING SPACE/BUILDING ROOF STRUCTURE. FEEDERS SHALL NOT RUN EXPOSED TO DIRECT SUN LIGHT - EXCEPTION: HVAC FEEDERS 10'-0" OR LESS.
 - SCHEDULE 40 PVC NON-METALLIC CONDUIT MAY BE USED BURIED IN EARTH MINIMUM 24" BELOW GRADE. ALL CONDUIT EXTENDED UNDER DRIVEWAYS OR AREAS OF VEHICULAR USAGE SHALL BE GALVANIZED HEAVY WALL STEEL CONDUIT OR SCHEDULE 40 PVC NON-METALLIC CONDUIT, MINIMUM 30" BELOW GRADE. STEEL CONDUIT INSTALLED UNDERGROUND CONDUITS SHALL NOT BE LESS THAN 24" PVC ELECTRICAL CONDUIT. UL LISTED MAY BE USED FOR UNDERGROUND SECTIONS OF LIGHTING CIRCUITS AND FEEDER RACEWAYS. ALL NON-METALLIC CONDUITS SHALL HAVE BOND WIRES, EXCEPT WHEN FEEDING SERVICES.
 - CONDUIT RUN - PER NEC 300.26 THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREE TOTAL) BETWEEN PULL POINTS. PROVIDE PULLBOX AS NEEDED.
 - VERIFY ELECTRICAL CONNECTION FROM THE EXISTING TRANSFORMER AND MAKE THE NEEDED ADJUSTMENTS FOR THE CORRECT FUNCTION OF THE ELECTRICAL INSTALLATION.

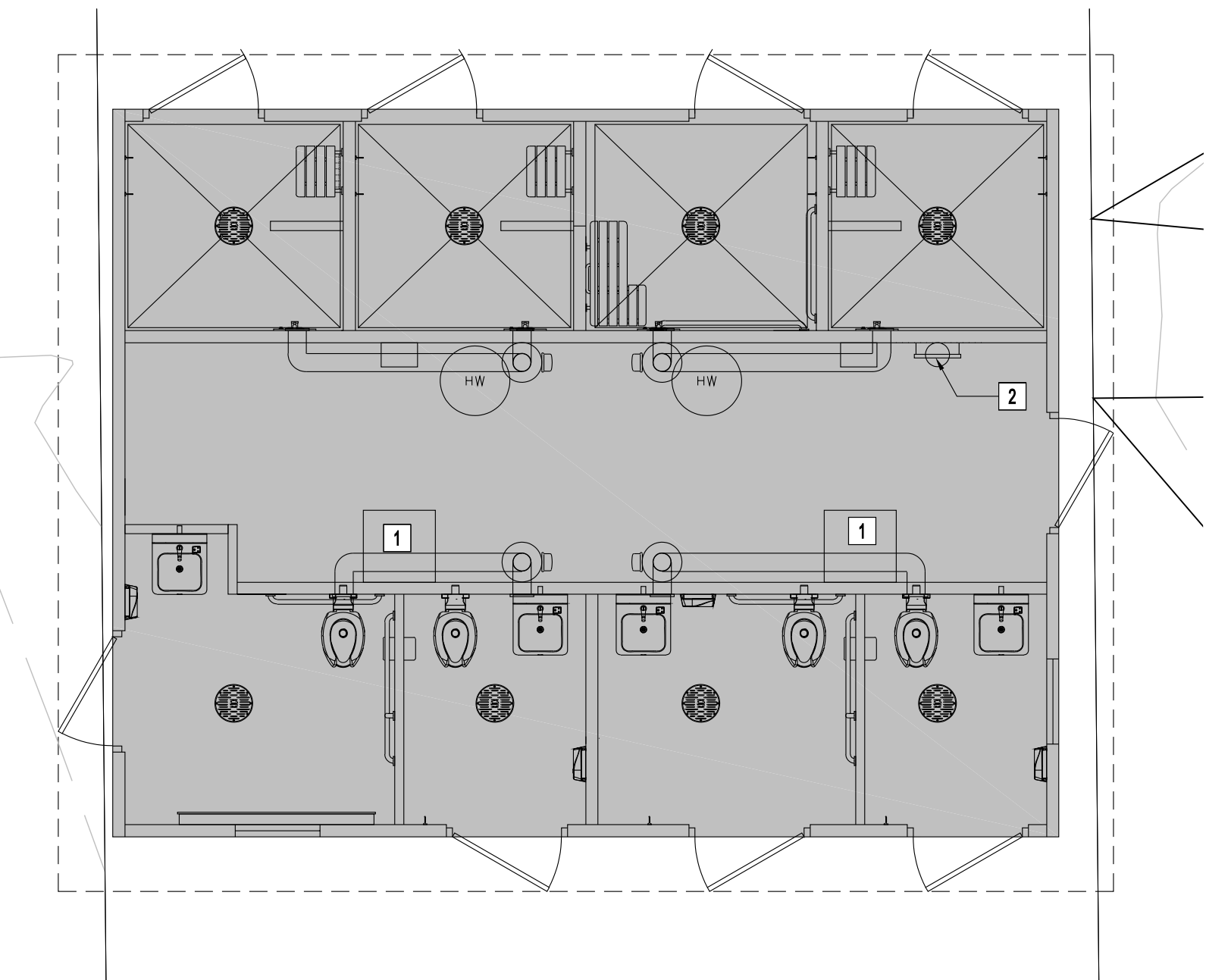
- FLOOR PLAN KEYNOTES: []**
- ALL SEWER AND WATER INSTALLATION TO BE CONNECTED IN THE BLOCK-OUT BUILT IN THE BUILDING. THESE CONNECTIONS NEEDS FIELD COORDINATION. REFER TO CXT DRAWINGS TITLED 'SANTIAGO FILE NO. S-388'.
 - ELECTRICAL SERVICE PANEL TO BE CONNECTED TO THE EXISTING MAIN ELECTRICAL LINE. THESE CONNECTIONS NEED FIELD COORDINATION. REFER TO CXT DRAWINGS TITLED 'SANTIAGO FILE NO. S-388'.



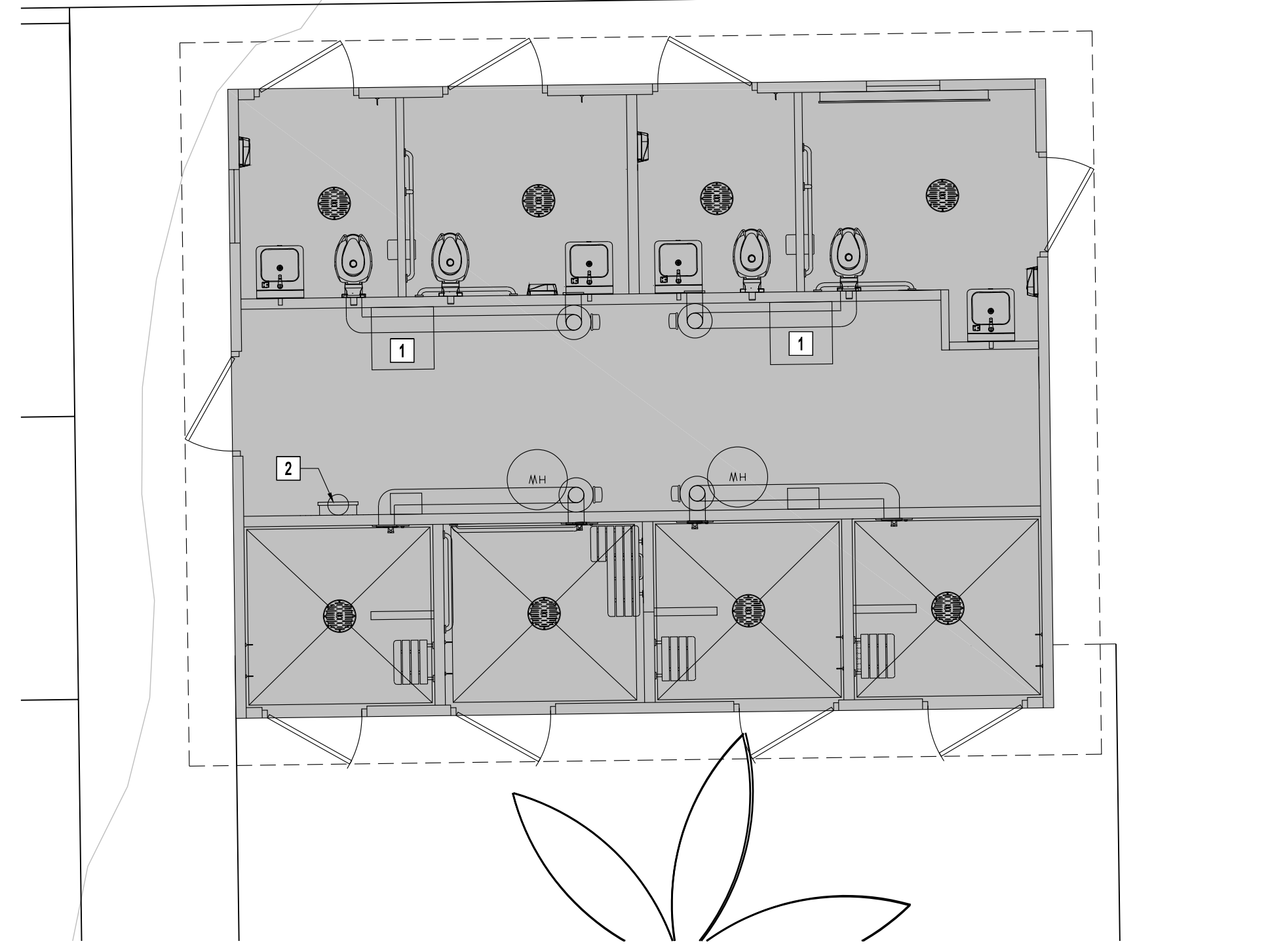
3 OVERALL FLOOR PLAN - AREA 'C'
1/4" = 1'-0"




1 OVERALL FLOOR PLAN - AREA 'A'
1/4" = 1'-0"



4 OVERALL FLOOR PLAN - AREA 'D'
1/4" = 1'-0"



2 OVERALL FLOOR PLAN - AREA 'B'
1/4" = 1'-0"

ARCHITECT OF RECORD

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PROJECT NO.	22070
ISSUED FOR:	PERMIT SET
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REVISION	ISSUE DATE

SHEET TITLE:
 ENLARGED FLOOR PLANS

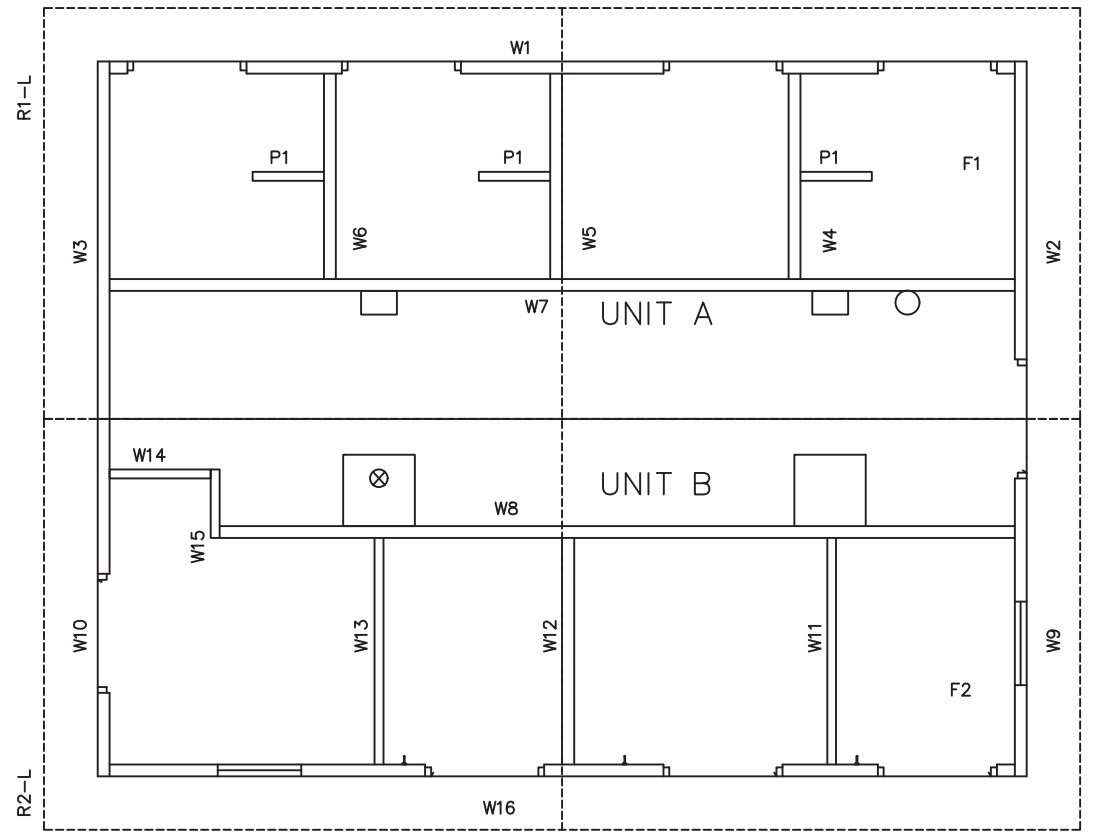
SHEET NO. **A2.01**

SANTIAGO

PANEL MARK NO. KEY PLAN

NOTES

- BUILDING IS DESIGNED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC).
- DESIGN COMPLIES WITH THE PROVISIONS OF THE 2018 IBC CODE FOR THE FOLLOWING LOADS:
GROUND SNOW LOAD = 250 PSF
ROOF SNOW LOAD = 210 PSF
FLOOR LOAD = 400 PSF
IBC DESIGN SPECTRAL RESPONSE $S_s = 0.909$, $S_1 = 0.333$
SITE CLASS D
RISK CATEGORY: II
SEISMIC DESIGN CATEGORY: D
BEARING WALL SYSTEM $R = 4.0$
WIND - $V = 150$ MPH
WIND - $V_{ASD} = 116$ MPH
WIND EXPOSURE C
***BUILDING IS NOT TO BE PLACED IN A LOCATION WHERE LOADS EXCEED THE VALUES PROVIDED ABOVE
- CONSTRUCTION TYPE: V-B
OCCUPANCY: U
EXTERIOR WALLS: 1-HR RATED PER IBC TABLE 720.1(2), ITEM 4-1.1
MINIMUM FIRE SEPARATION DISTANCE: 10' PER IBC TABLE 705.8
MAXIMUM UNPROTECTED OPENING AREA: 4.02% (WALL W3 & W10):
- CONCRETE STRENGTH $f'_{ci} = 2500$ PSI INITIAL $f'_c = 5000$ PSI FINAL
AIR ENTRAINMENT $6\% \pm 1\ 1/2\%$ IN PLASTIC CONCRETE.
REINFORCING STEEL: ASTM A615 #3 GRADE 40, #4 AND LARGER GRADE 60 $F_y=60$ KSI MINIMUM LAP 18" AT SPLICES. TIE BARS WITH DOUBLE ANNEALED 16 GA IRON WIRE. REINFORCING TO BE PLACED IN CENTER OF PANEL UNO.
WELDED WIRE FABRIC (W.W.F.): ASTM A1064 GRADE 80, 4x4xW6.7xW6.7, $F_y=80$ KSI (OR EQUIVALENT), SMOOTH WIRE, MIN. LAP 2 SQUARES
- EMBEDDED ITEMS IDENTIFIED ON DRAWINGS (i.e. PS-2, R301) REFER TO CXT STANDARD EMBEDMENT CATALOG.
- BACK OF PANELS TO HAVE SMOOTH TROWEL FINISH UNO. ALL SURFACES TO BE TEXTURED ARE NOTED ON PANEL DWG'S
- REFER TO SEPARATE CXT INCORPORATED SPECIFICATIONS COVERING DESIGN, MATERIALS, PRODUCTION, AND INSTALLATION CRITERIA FOR SPECIFIC STYLE OF BUILDING.
- ALL REBAR BENDS ARE TO HAVE A MINIMUM RADIUS OF 6x THE BAR DIAMETER
- INSTALLATION TO MEET APPLICABLE LOCAL, STATE & FEDERAL CODES, BY OTHERS.
- ADEQUATE PLUMBING FACILITIES MUST BE PROVIDED IN ACCORDANCE WITH 2018 IBC (NOT BY CXT)
- BUILDING TO BE CLOSED DURING HOURS OF DARKNESS OR MEANS OF EGRESS LIGHTING MUST BE PROVIDED ON SITE BY OTHERS.



BACK

FRONT

APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL PLUMBING CODE
2017 NATIONAL ELECTRIC CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2009 ICC A117.1

SPECIAL CONDITIONS AND/OR LIMITATIONS

ACCESSIBILITY TO THIS BUILDING, INCLUDING PARKING IS TO BE PROVIDED BY OTHERS AND CONSTRUCTED IN ACCORDANCE WITH ALL LOCAL BUILDING CODES.

INDEX OF DRAWINGS

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S-03	FLOOR PLAN
S-04	BUILDING ELEVATIONS
S-05	BUILDING ELEVATIONS
S-06	INTERIOR ELEVATIONS
S-07	DETAILS
S-08	WALL PANEL MARK W1
S-09	WALL PANEL MARK W2
S-10	WALL PANEL MARK W3
S-11	WALL PANEL MARK W4, W5, W6
S-12	WALL PANEL MARK W7
S-13	WALL PANEL MARK W8
S-14	WALL PANEL MARK W8 BLOCK-OUTS
S-15	WALL PANEL MARK W9
S-16	WALL PANEL MARK W10
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S-18	WALL PANEL MARK W14 & W15
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S-20	FLOOR SLAB MARK F1
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S-22	ROOF SLAB MARK R1-R
S-23	ROOF SLAB MARK R1-L
S-24	ROOF SLAB MARK R2-R
S-25	ROOF SLAB MARK R2-L
S-26	INTERIOR PARTITION P1
S-27	GRAVEL PAD DETAIL
S-28	FLOOR DRAIN LOCATIONS & BELOW FLOOR PIPING
S-29	PLUMBING WASTE & VENT PIPING PLAN
S-30	PLUMBING WATER PIPING PLAN & DIAGRAMS
S-31	PLUMBING DETAILS, DIAGRAMS & SCHEDULE
S-32	ELECTRICAL NOTES, LEGEND & SCHEDULE
S-33	ELECTRICAL PLAN & SCHEDULE
S-34	MATERIAL LIST
S-35	MATERIAL LIST

Preliminary
Not for Construction



PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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CXT Incorporated

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/16"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	84

COVER SHEET		
DWG NO.	SHEET	REV.
S-01	1 / 35	0

CASTING TOLERANCES

OVERALL LENGTH OR WIDTH	10 S OR UNDER = ± 1/8"
	10 TO 20 S = ± 1/8" -3/16"
	20 TO 40 S = ± 1/4"
TOTAL THICKNESS	= -1/8, +1/4
VARIATION FROM SQUARE	= ± 1/8 PER 6 S OF DIAGONAL
LOCAL SMOOTHNESS	= 1/4" IN 10 S
SWEEP	= ± 1/4"
POSITION OF TENDONS	= ± 1/4"
POSITION OF BLOCKOUTS	= ± 1/4"
SIZE OF BLOCKOUTS	= ± 1/4"
POSITION OF EMBEDS	= ± 1/4"
TIPPING AND FLUSHNESS OF PLATES	= +1/16, -1/4
BOWING	= LENGTH/360
END SQUARENESS	= ± 1/8"

ARIZONA STATE P.E. DRAWINGS (ELECTRONIC), TAG, & APPROVAL REQUIRED

WALL TEXTURE: SPLIT FACE BLOCK
WALL COLOR: BEHR DARK ASH

ROOF TEXTURE: CEDAR SHAKE
ROOF COLOR: BEHR FASHION GRAY

TRIM & DOOR PAINT: BLACK

MARINE PACKAGE REQ'D SHOWER SECTION ONLY

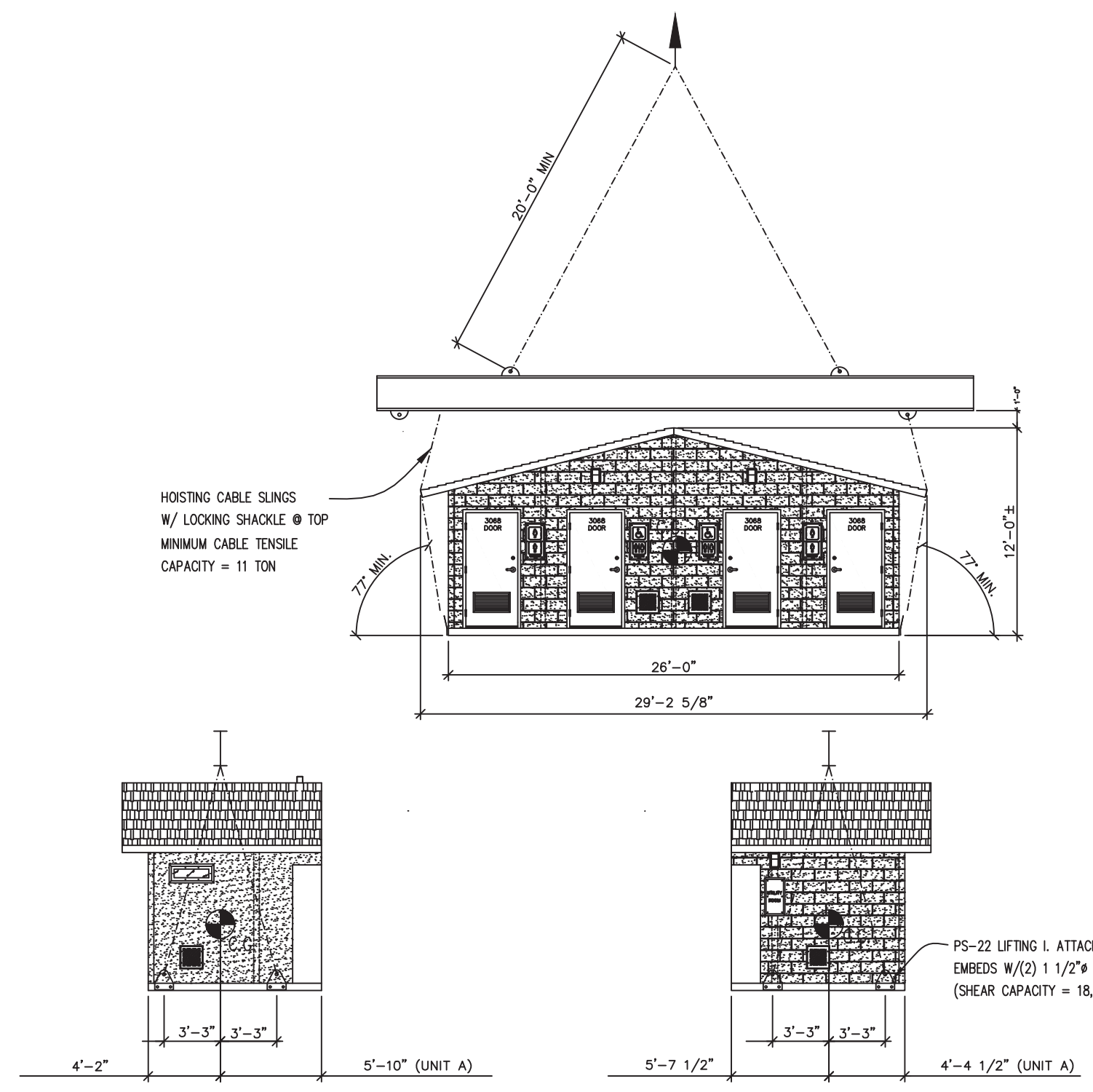
2 CASES GRAFFITI REMOVER REQ'D (SHIPPED LOOSE)

SANTIAGO

RECOMMENDED HANDLING AND INSTALLATION INSTRUCTIONS

NOTES:

1. THE SANTIAGO STYLE BUILDING CONSISTS OF TWO SEPARATE UNITS TO BE PLACED AND JOINED AT THE PROJECT SITE. PROPER SITE PREPARATION AND HANDLING IS ESSENTIAL FOR THE SAFE AND PROPER INSTALLATION OF THE BUILDING.
2. PROVIDE SHALLOW TRENCH WITH ROLLED EDGES ALONG BUILDING JOINT LINES TO PREVENT TRAPPING MATERIAL BETWEEN UNITS BEING DRAWN TOGETHER.
3. PLACE UNITS AS CLOSE TO ONE ANOTHER AS POSSIBLE. SPACE BETWEEN UNITS SHOULD NOT EXCEED 1" AT INITIATION OF POST-TENSIONING. MAXIMUM ALLOWABLE FINISH JOINT SPACE BETWEEN UNITS SHALL BE 1/2".
4. POST-TENSIONING TO DRAW UNITS INTO CONTACT SHALL BE ACCOMPLISHED WITH EQUIPMENT PROVIDED BY CXT BY PROPERLY TRAINED PERSONNEL. INSTRUCTIONS PROVIDED BY CXT SHALL BE CAREFULLY ADHERED TO. ALL NECESSARY SAFETY PRECAUTIONS SHALL BE TAKEN BY INSTALLATION PERSONNEL. STRESS TENDONS TO DRAW UNITS TOGETHER AND TO RETAIN A MINIMUM EFFECTIVE FORCE IN EACH TENDON OF 2 KIPS AFTER ALL LOSSES.
5. AFTER COMPLETION OF BUILDING PLACEMENT, BLOCKOUTS AT POST-TENSIONING ANCHORAGE POINTS SHALL BE FILLED WITH NON-METALLIC, NON-SHRINK GROUT. PROVIDE SMOOTH, NEAT FINISH COMPATIBLE WITH SURROUNDING CONCRETE SURFACES. MATCH CONCRETE COLOR.
6. PROVIDE UTILITY CONNECTIONS (PLUMBING & ELECTRICAL) AS REQUIRED AND/OR AS CALLED FOR ON THE DRAWINGS.
7. FILL FLOOR BLOCKOUTS AFTER COMPLETION OF UTILITY HOOKUPS WITH CONCRETE. SLOPE TO DRAIN.



Preliminary
Not for Construction



CXT
Precast Products
6707 E. Flamingo Ave. Bldg 300, Nampa, ID 83687
901 N. Highway 77 Hillsboro, TX 76645
362 Waverly Road Williamstown, WV 26187

PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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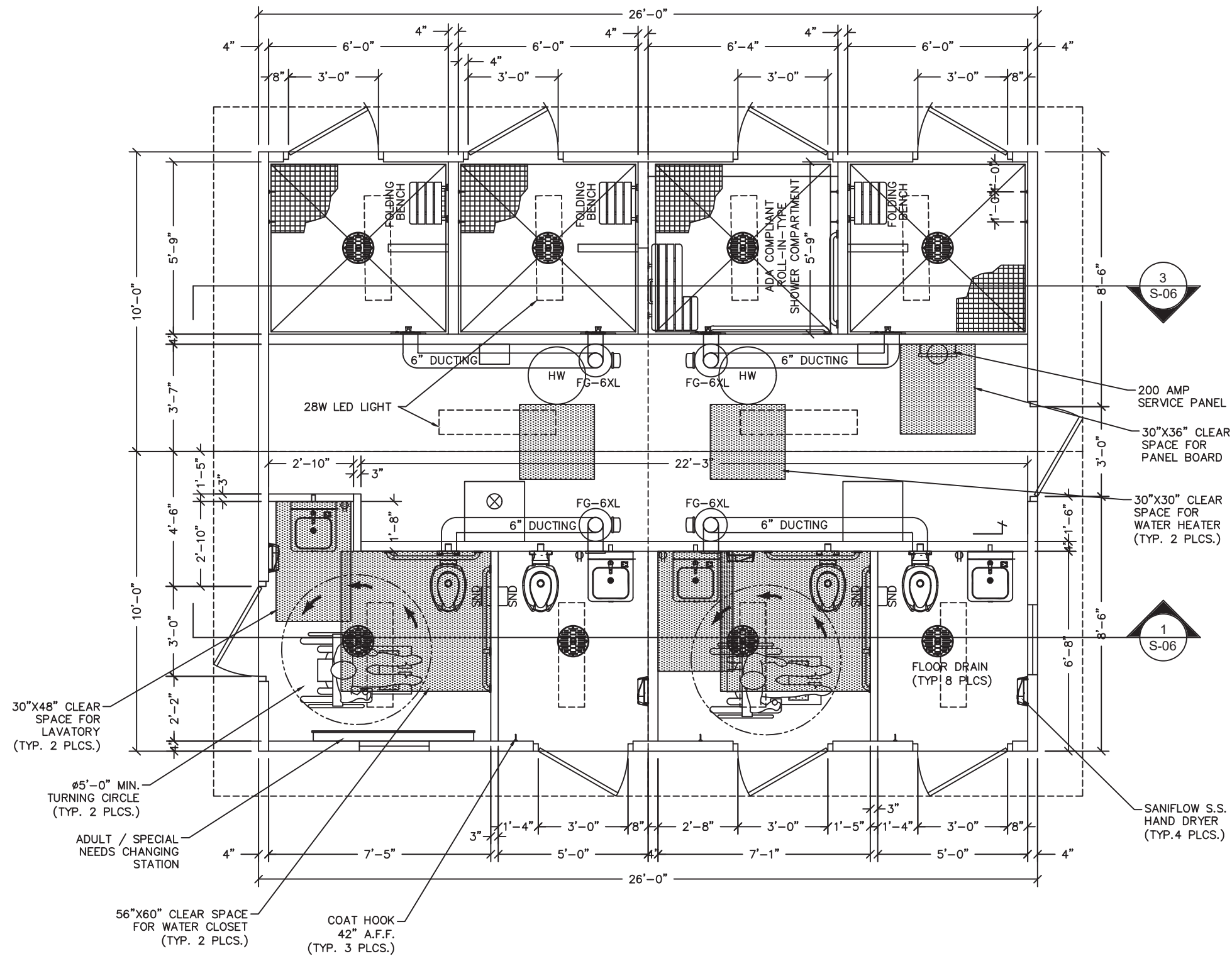
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	NTS	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	96

HANDLING INSTRUCTIONS

DWG NO.	SHEET	REV.
S-02	2 / 35	0

SHIPPING WEIGHTS AND DIMENSIONS

SECTION	WEIGHT	LENGTH	WIDTH	HEIGHT
A (BACK)	75,200	29'-3"	11'-6"	12'-0"
B (FRONT)	71,500	29'-3"	11'-6"	12'-0"



Preliminary
Not for Construction



6707 E. Flamingo Ave. Bldg 300, Nampa, ID 83687
901 N. Highway 77 Hillsboro, TX 76645
362 Waverly Road Williamstown, WV 26187

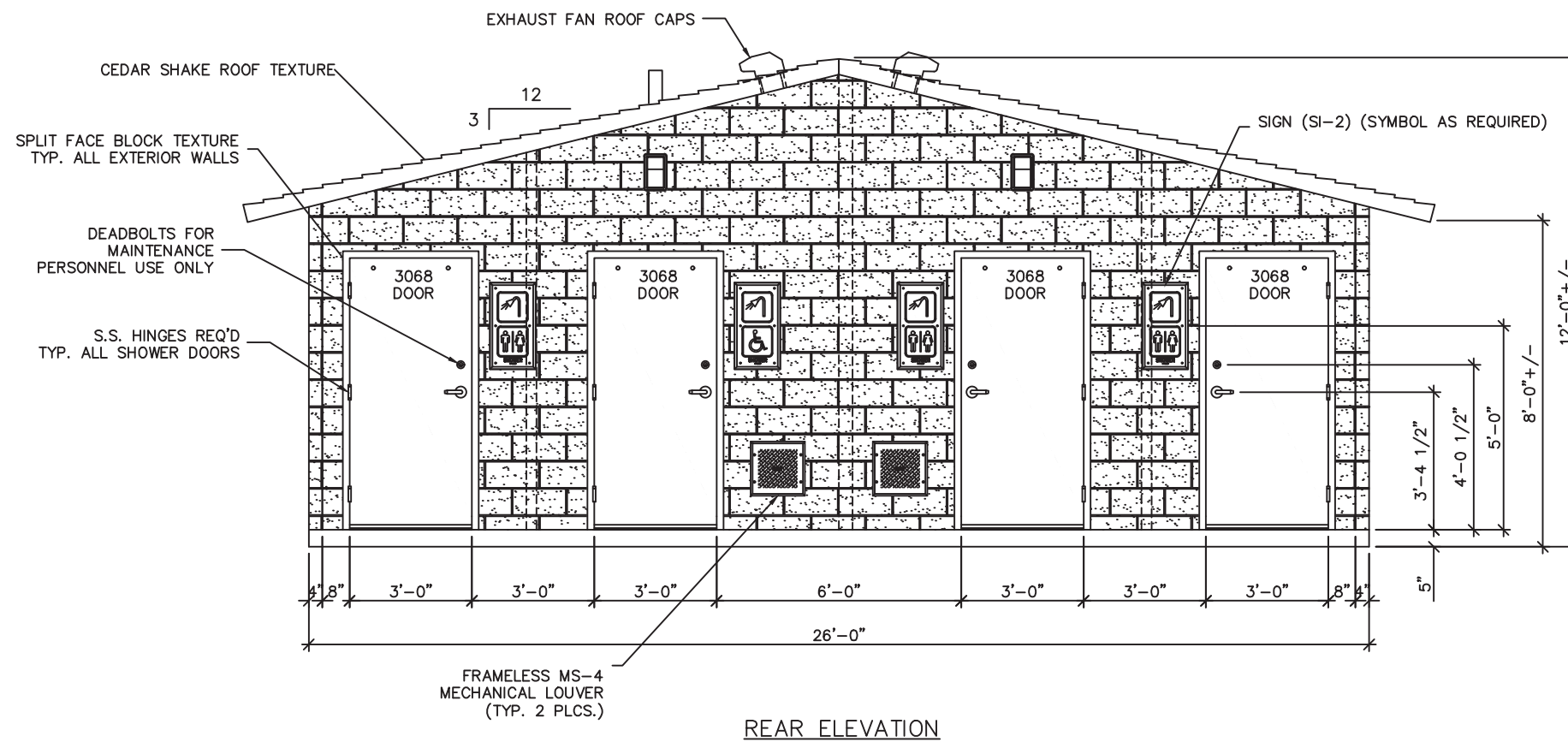
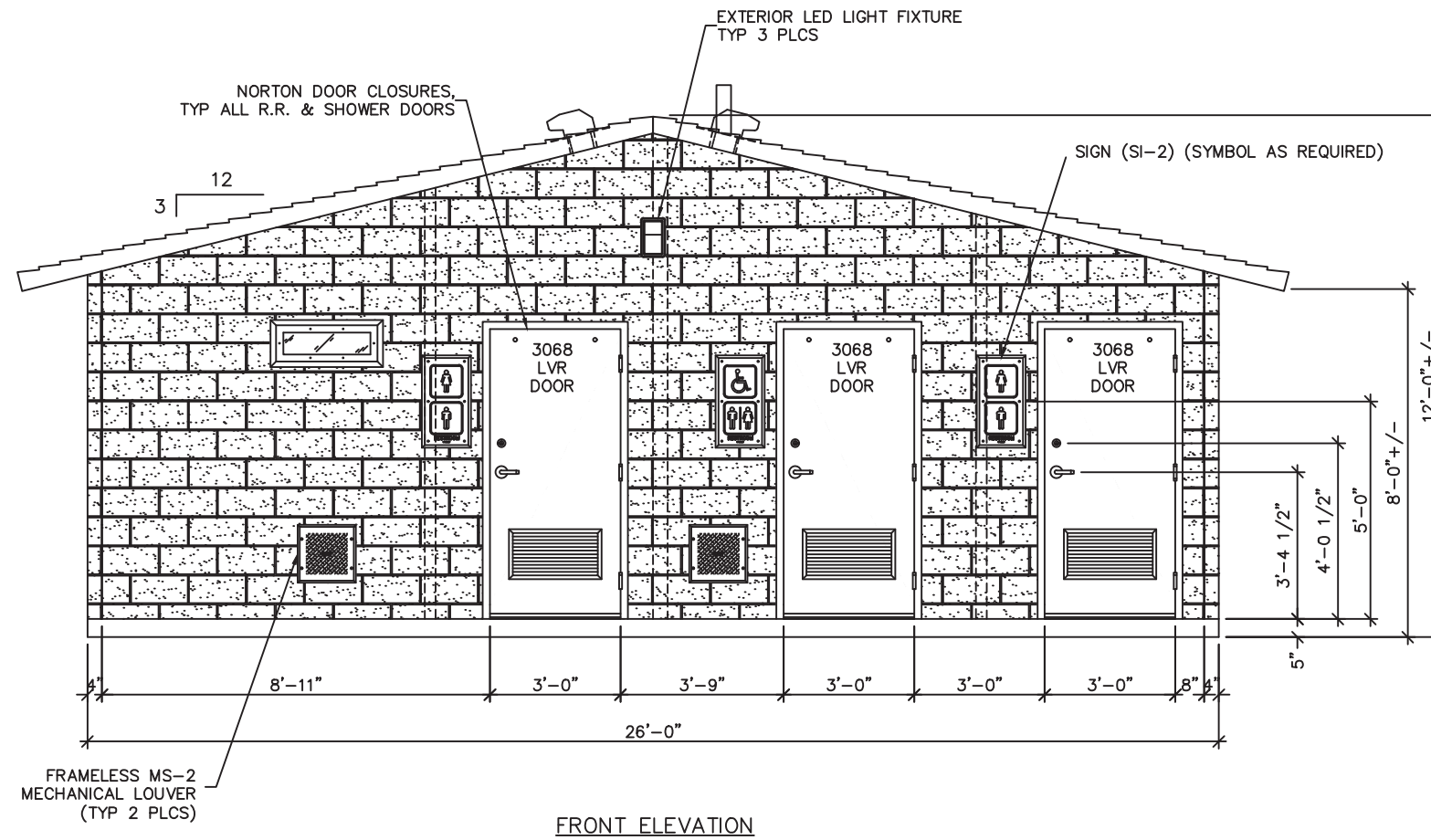
PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	48

FLOOR PLAN

DWG NO.	SHEET	REV.
S-03	3	0
	35	



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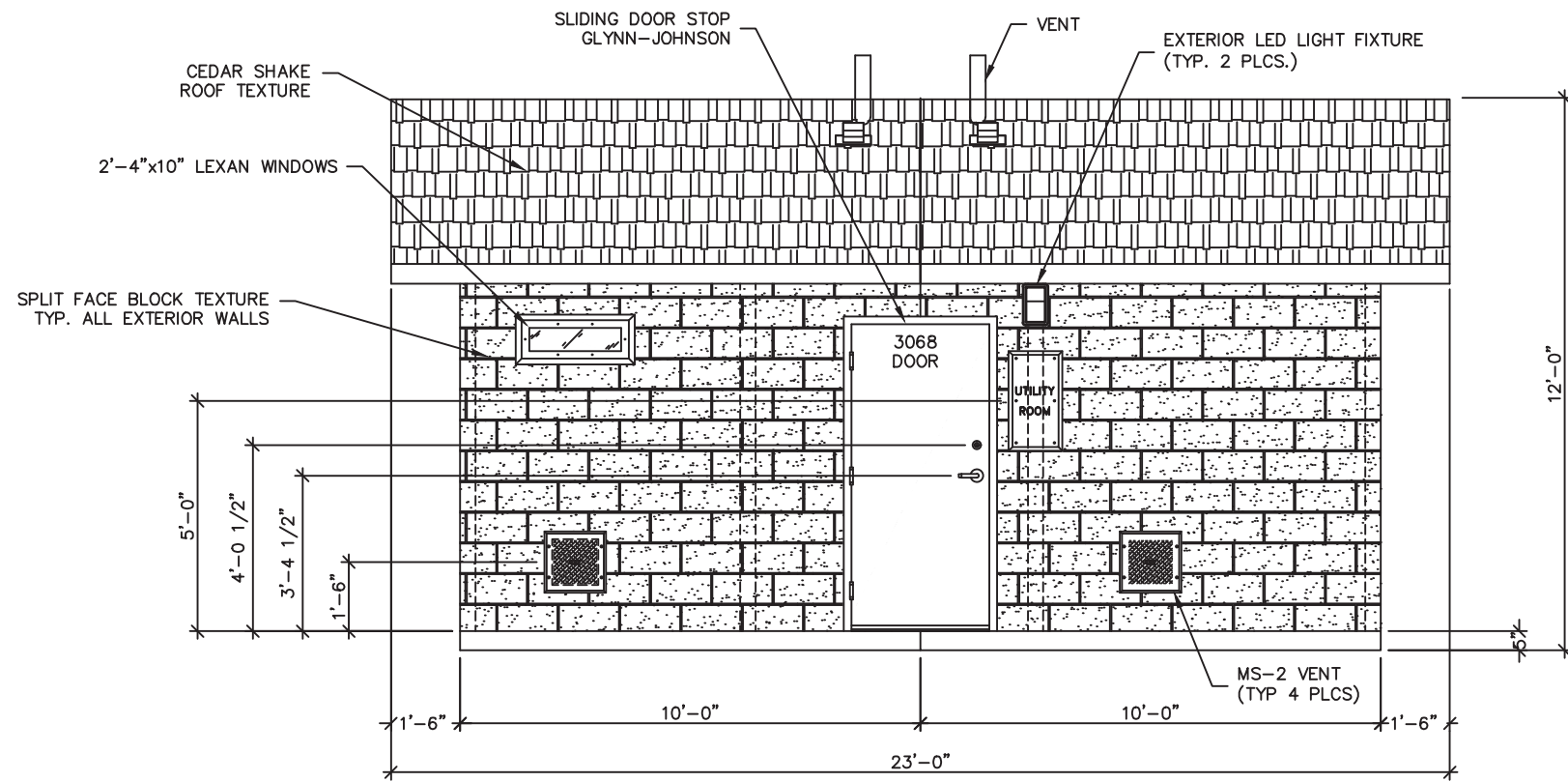
PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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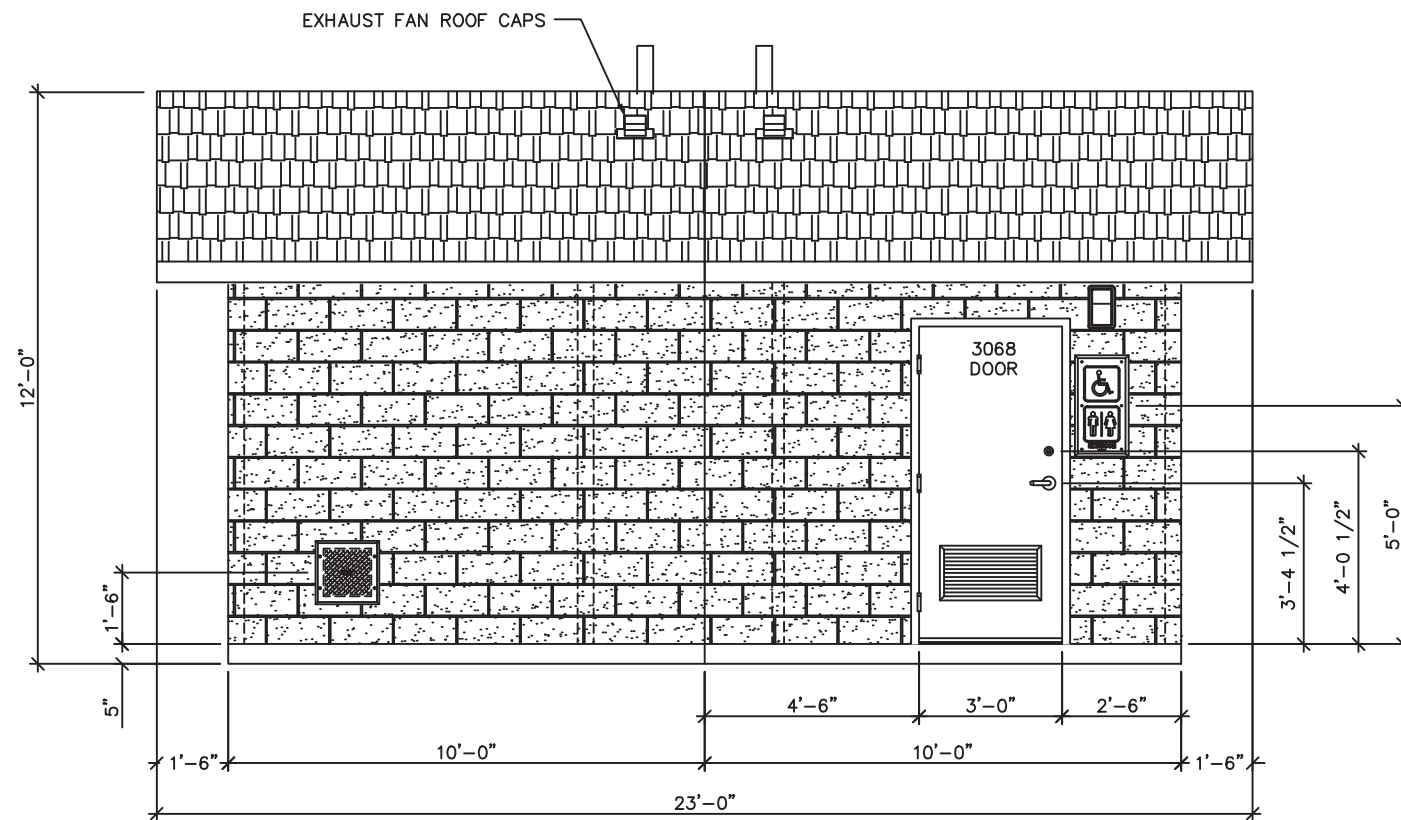
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	48

BUILDING ELEVATIONS		
DWG NO.	SHEET	REV.
S-04	4 / 35	0



RH SIDE ELEVATION



LH SIDE ELEVATION

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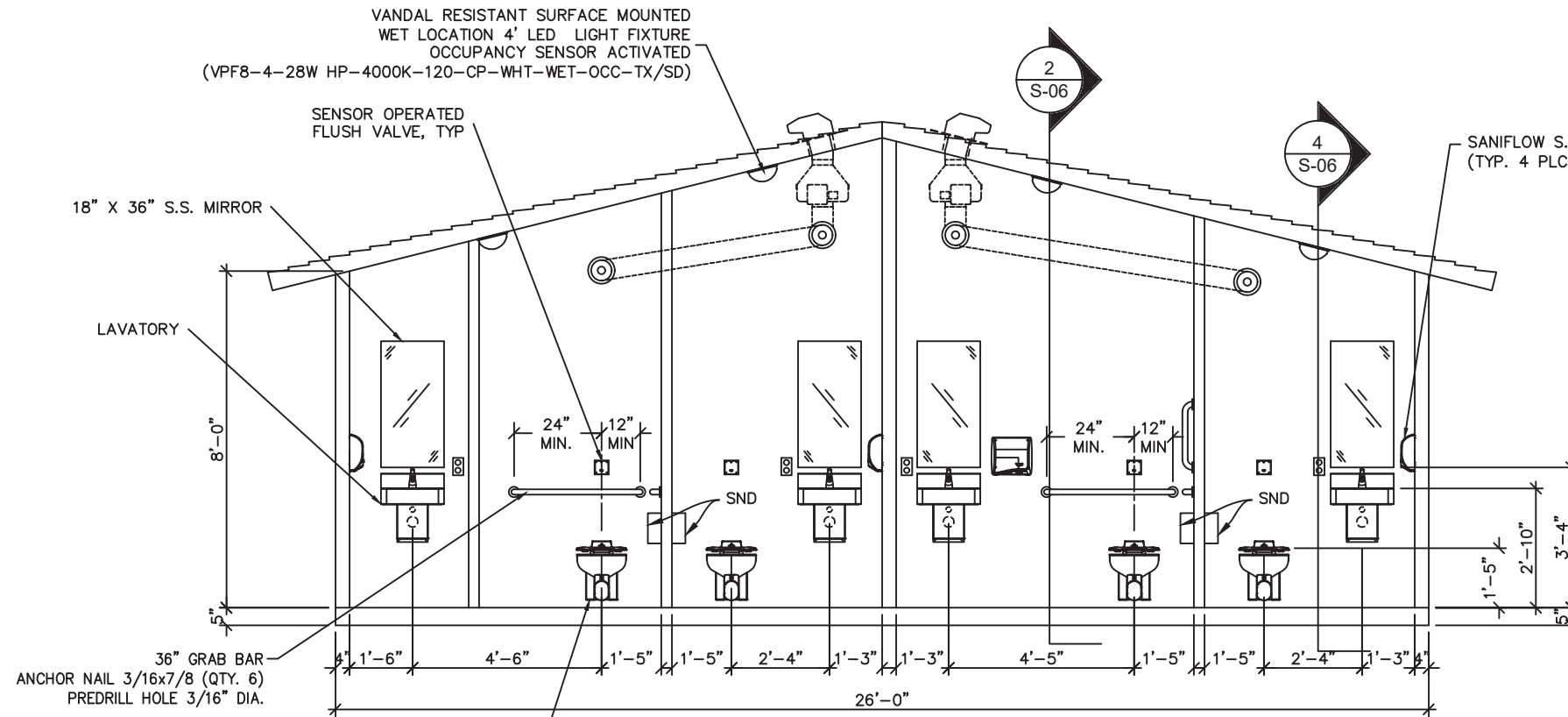
6707 E. Flamingo Ave. Bldg 300, Nampa, ID 83687
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PROJECT TITLE
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BUILDINGS S-365 THRU S-367

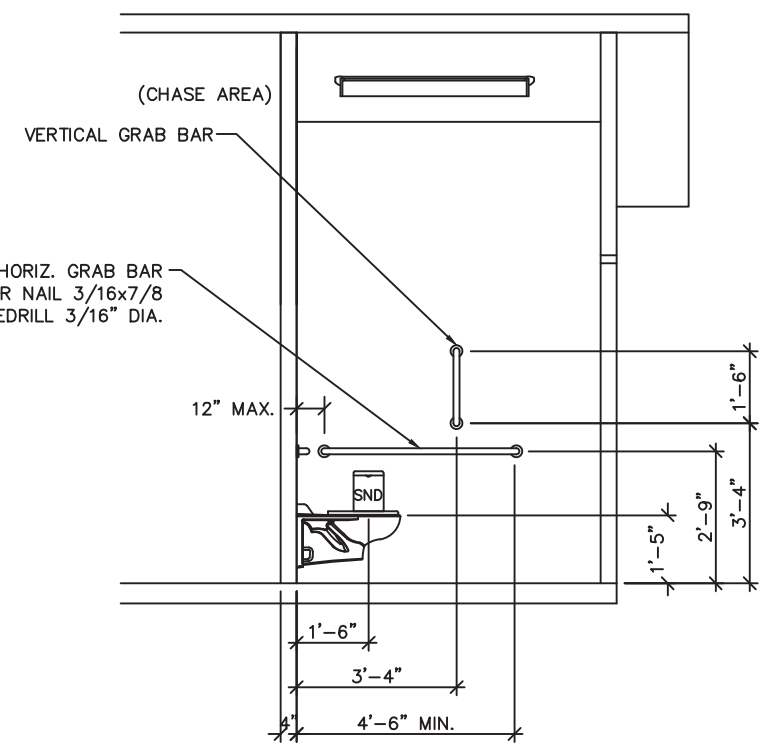
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	48

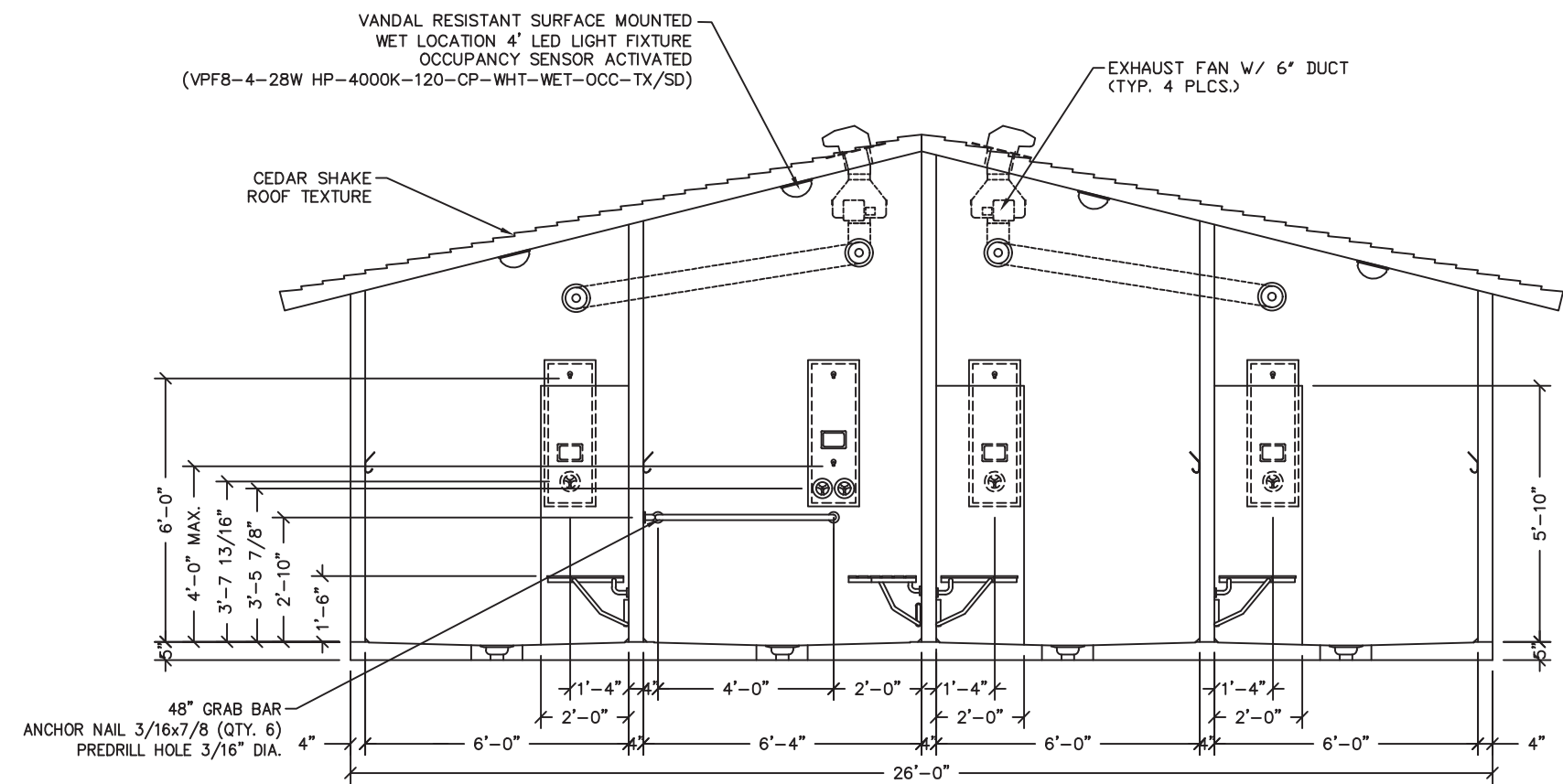
BUILDING ELEVATIONS		
DWG NO.	SHEET	REV.
S-05	5 / 35	0



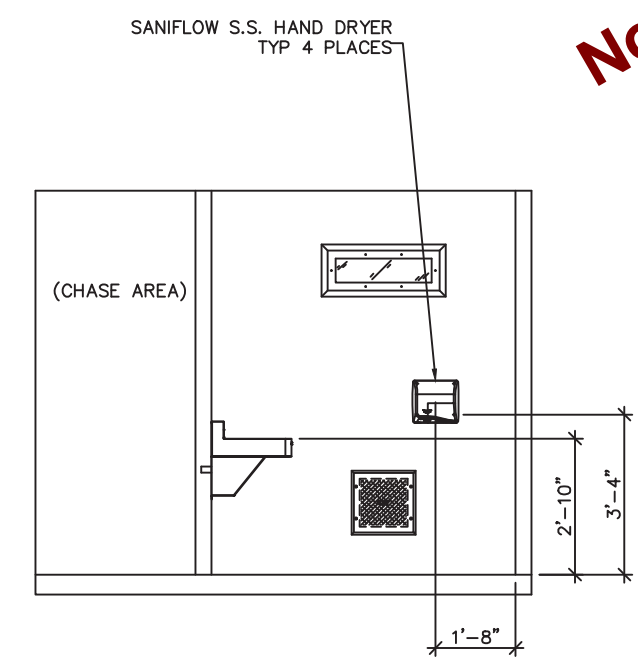
1 INTERIOR ELEVATION - MIDDLE (CHASE) WALL



2 INTERIOR ELEVATION - ADA STALL SIDE WALL



3 INTERIOR ELEVATION - SHOWER BACK WALL



4 INTERIOR ELEVATION - SIDE WALL

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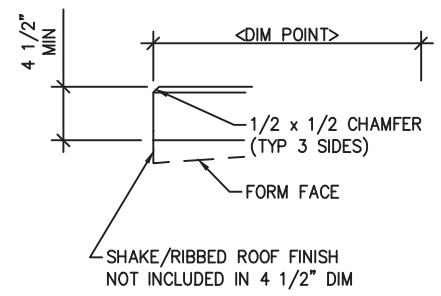
PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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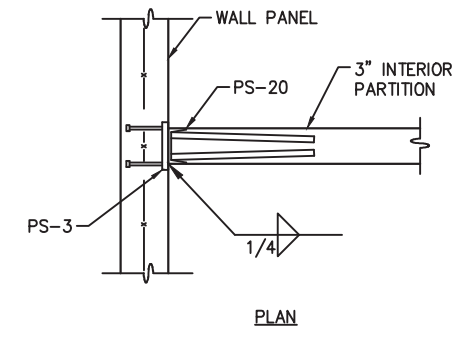
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	48

INTERIOR RESTROOM
ELEVATIONS

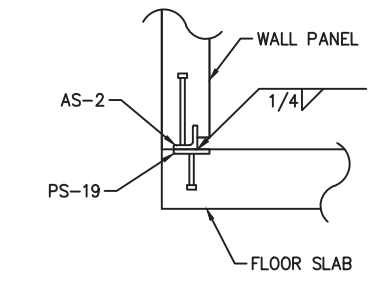
DWG NO.	SHEET	REV.
S-06	6 / 35	0



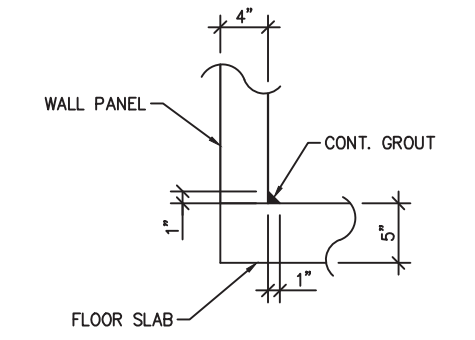
1 TYPICAL ROOF SLAB EDGE
SCALE: 3/4"=1'-0"



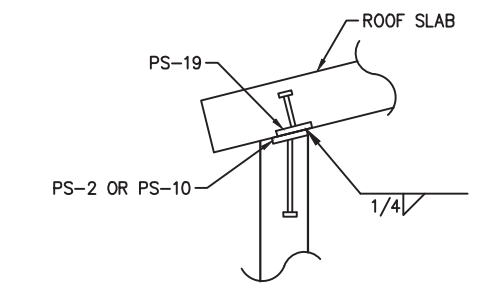
2 TYPICAL INTERIOR PARTITION TO WALL CONNECTION
SCALE: 3/4"=1'-0"



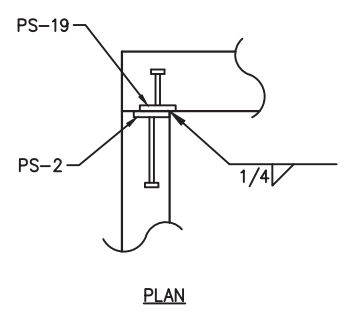
3 TYPICAL WALL TO FLOOR SLAB WELDED CONNECTION
SCALE: 3/4"=1'-0"



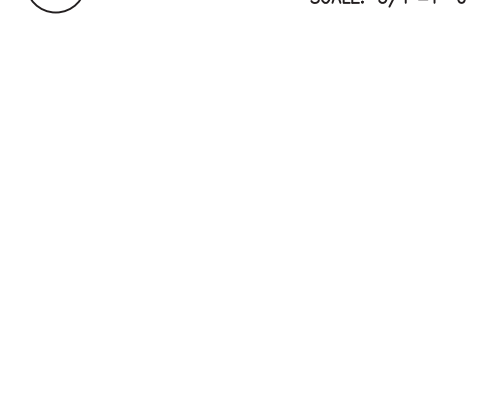
4 TYPICAL WALL TO FLOOR SLAB JOINT DETAIL
SCALE: 3/4"=1'-0"



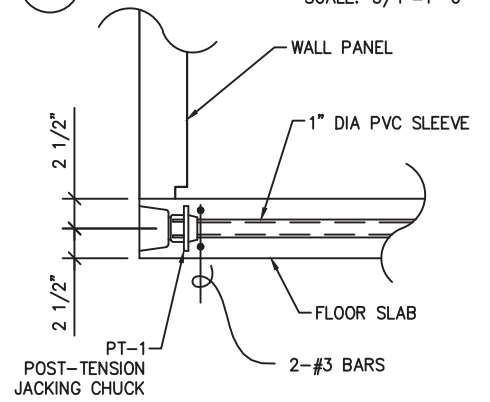
5 TYPICAL WALL TO ROOF SLAB WELDED CONNECTION
SCALE: 3/4"=1'-0"



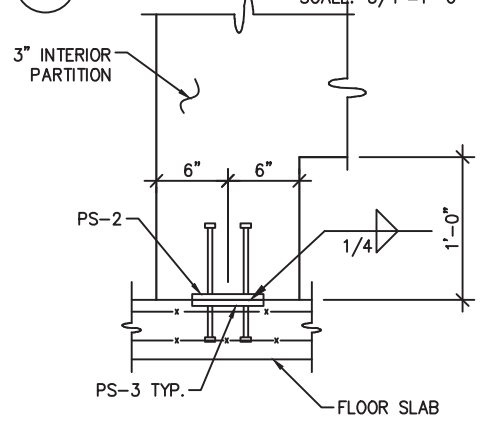
6 TYPICAL WALL TO WALL PANEL WELDED CONNECTION
SCALE: 3/4"=1'-0"



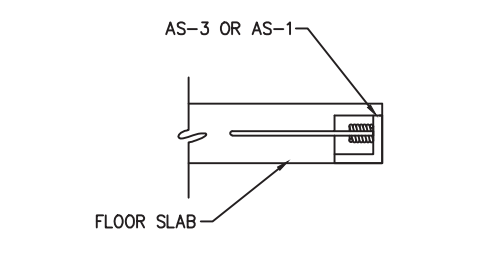
7 NOT USED
SCALE: 3/4"=1'-0"



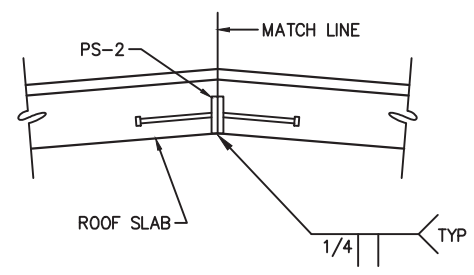
8 POST TENSION CABLE DETAIL
SCALE: 3/4"=1'-0"



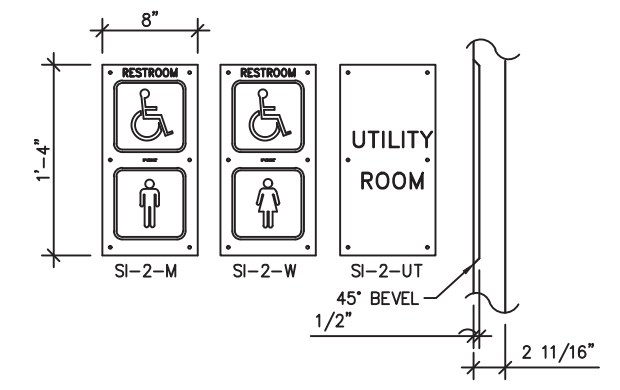
9 INT. PARTITION BASE CONNECTION
SCALE: 3/4"=1'-0"



10 FLOOR LIFT PLATE DETAIL
SCALE: 3/4"=1'-0"



11 ROOF PEAK WELDMENT DETAIL
SCALE: 3/4"=1'-0"



12 SIGN SI-2 DETAIL
SCALE: 3/4"=1'-0"

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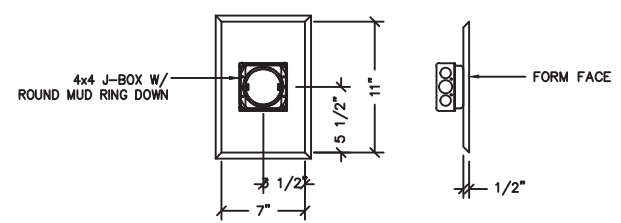
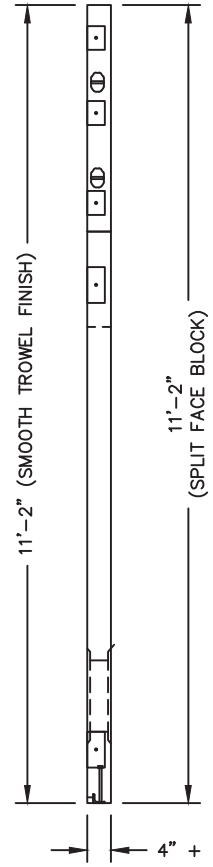
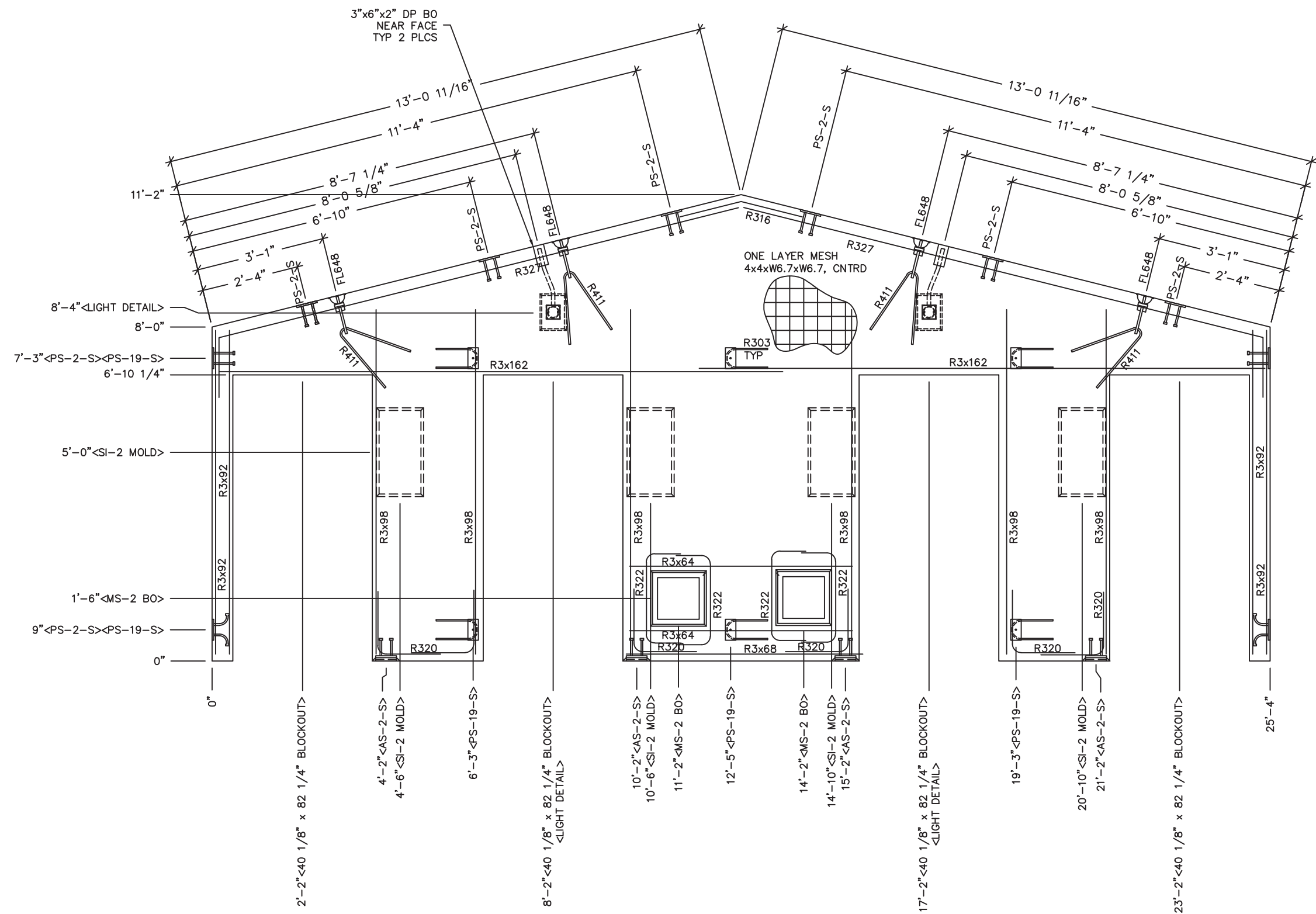
PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	NTS	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	48

DETAILS

DWG NO.	SHEET	REV.
S-07	7 / 35	0



LIGHT DETAIL

- NOTES:**
1. WALL THICKNESS = 4" + TEXTURE.
 2. EXCEPT R411, R327, R303 & R316, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER.
 3. ALL OTHER BARS TO BE CENTERED IN PANEL.
 4. BLOCKOUT WALL TEXTURE FOR LIGHT FIXTURES AND FAN SHROUDS.

EMBEDDED MATERIALS	
ITEM	QTY
AS-2-S	4
PS-2-S	10
FL-648	4
R411	4
R320	12
PS-19-S	6
R303	6
R316	1
R327	2
R3x64	2
SI-2 MOLD	4
4x4 J-BOX	2
ROUND MUD RING	2
MS-2 B.O.	2
R3x92	8
R3x98	12
R3x162	4
R3x68	2
R322	4
3"x6"x2" DP PARTIAL B.O.	2
40 1/8" x 82 1/4" B.O.	4

MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
57.2 (2.12)	150
APPROXIMATE WEIGHT	
8,590	

Preliminary
Not for Construction

PROFESSIONAL ENGINEER
 WILLIAM H. MEIDINGER
 LICENSE NO. 37649
 SIGNED
 MAY 15, 2022
 ARIZONA U.S.A.

CXT
Precast Products
 6707 E. Flamingo Ave. Bldg 300, Nampa, ID 83687
 901 N. Highway 77 Hillsboro, TX 76645
 362 Waverly Road Williamstown, WV 26187

PROJECT TITLE
SANTIAGO
 BUILDINGS S-365 THRU S-367

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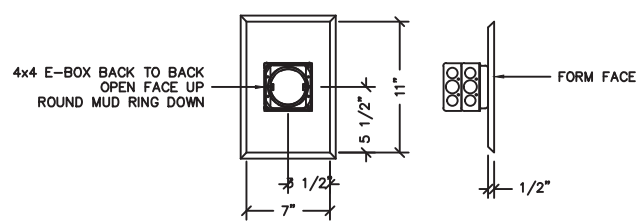
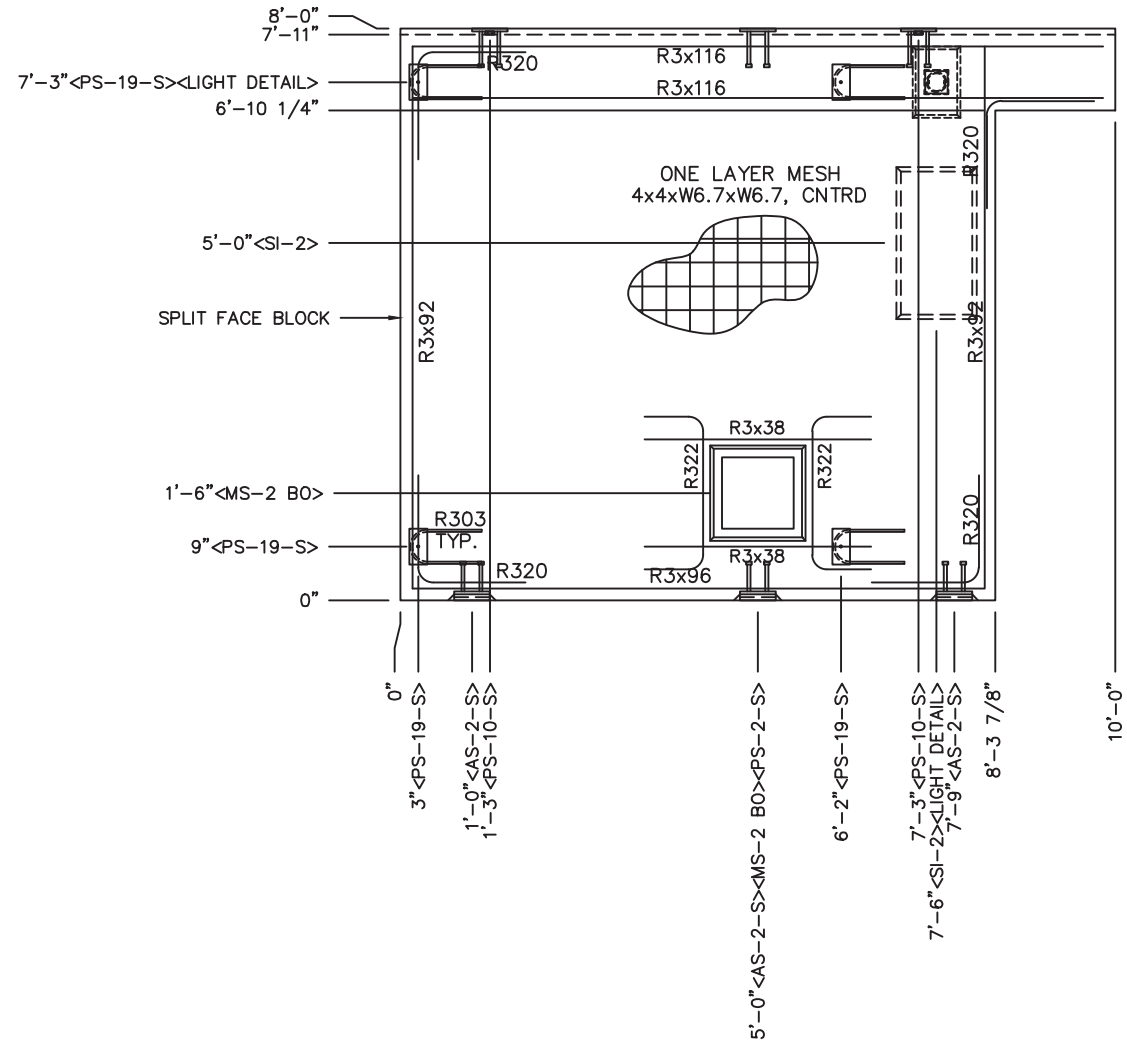
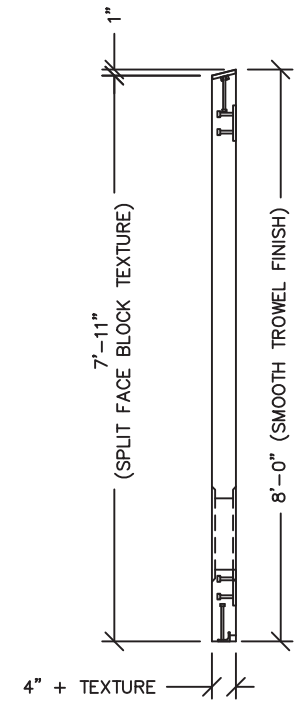
CXT Incorporated

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"-1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL
MARK W1

DWG NO. **S-08** SHEET **8** REV. **0**
 35

MARINE PACKAGE



LIGHT DETAIL

- NOTES:**
1. WALL THICKNESS = 4" + TEXTURE
 2. EXCEPT R303, R322, & R3x38 REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER
 3. ALL OTHER BARS TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
AS-2-S	3
PS-10-S	2
PS-19-S	4
R303	4
PS-2-S	1
R3x116	4
R3x92	4
R320	8
R3x38	2
R322	2
MS-2 BLOCKOUT	1
R3x96	2
SI-2 MOLD	1
4x4 E-BOX	2
ROUND MUD RING	1

MARINE PACKAGE REQUIRED

CU. FT. CONC.	SQ. FT. W.W.F.
22.7 (0.84)	69
APPROXIMATE WEIGHT	
3,405	

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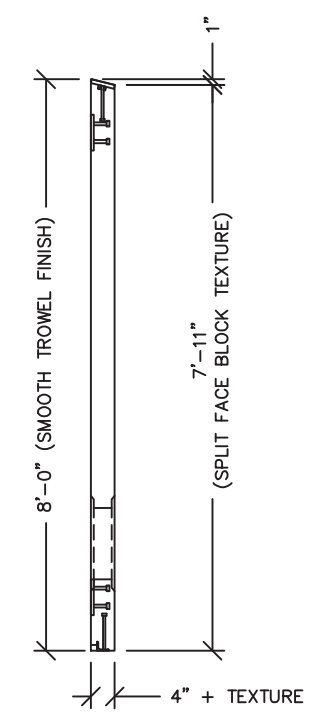
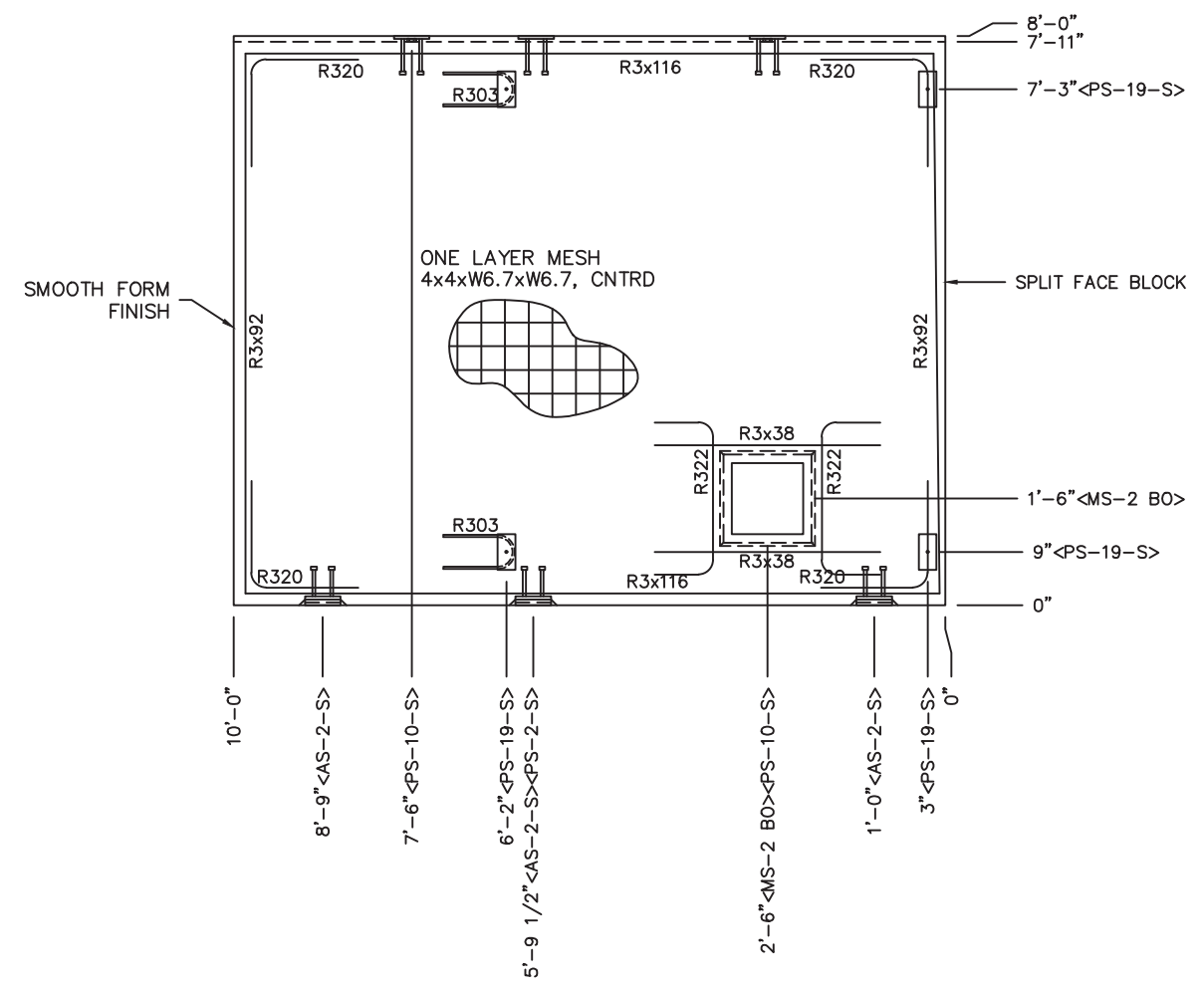
PROJECT TITLE
SANTIAGO
 BUILDINGS S-365 THRU S-367

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"-1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL MARK W2		
DWG NO.	SHEET	REV.
S-09	9	0
	35	

MARINE PACKAGE



NOTES:

1. WALL THICKNESS = 4" + TEXTURE.
2. EXCEPT R303, R322, & R3x38 REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER
3. ALL OTHER BARS TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
AS-2-S	3
PS-10-S	2
PS-19-S	4
R303	4
PS-2-S	1
R3x116	4
R3x92	4
R320	8
R3x38	2
R322	2
MS-2 BLOCKOUT	1

MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
26.5 (0.98)	80
APPROXIMATE WEIGHT	
3,975	

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CXT
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PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"-1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL
MARK W3

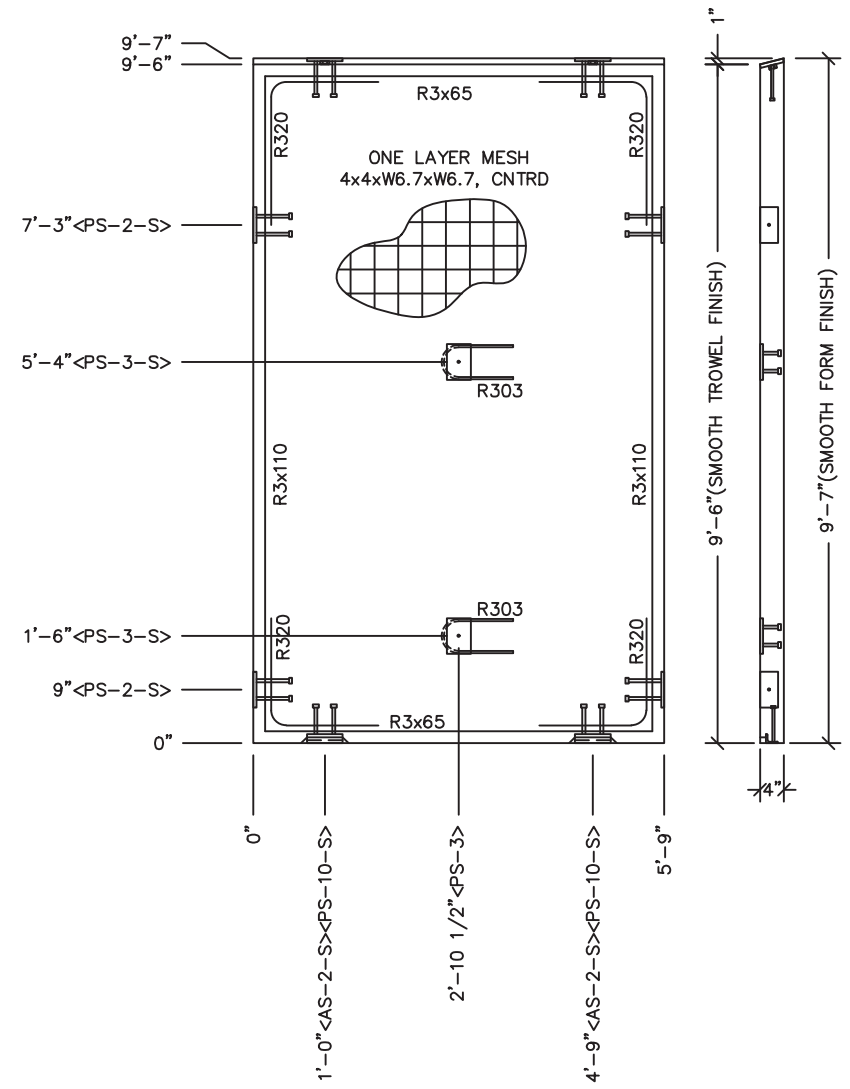
DWG NO.	SHEET	REV.
S-10	10 / 35	0

MARINE PACKAGE

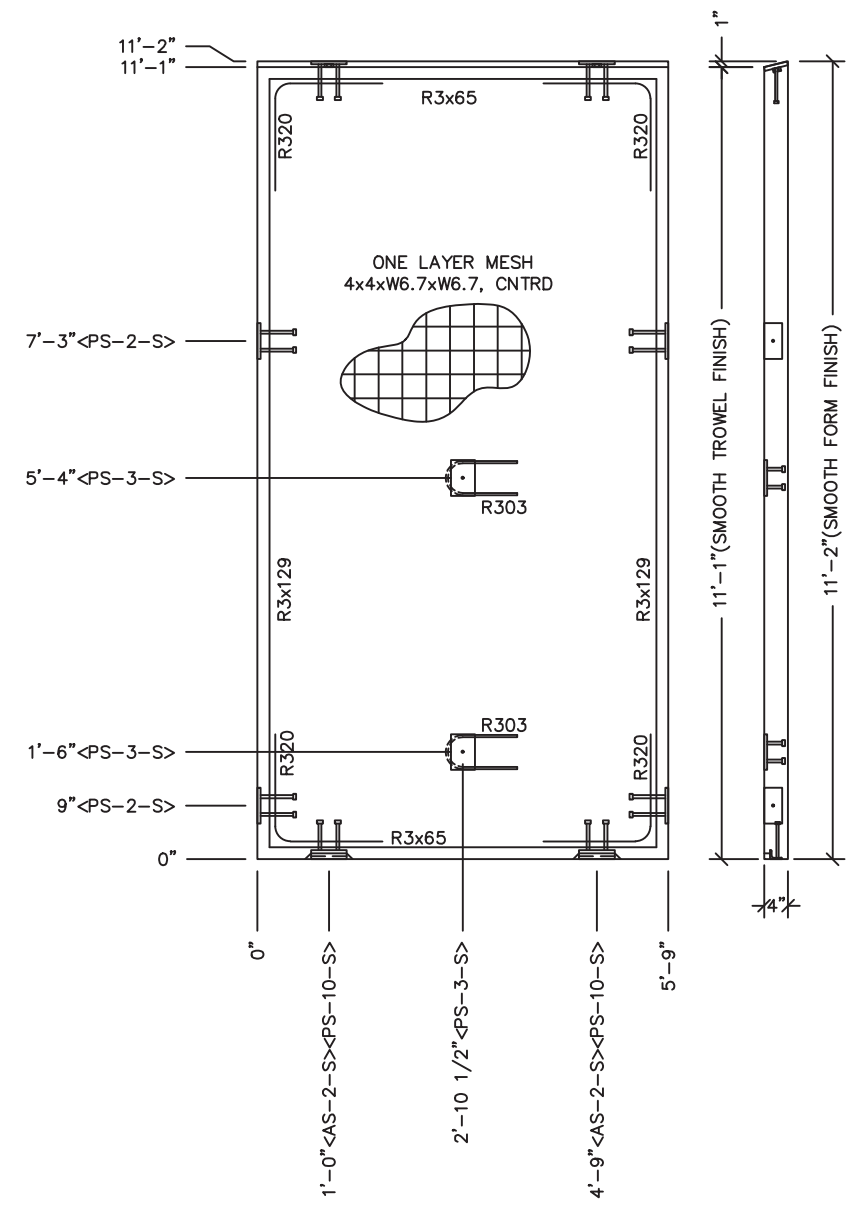
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2-S	2		
PS-10-S	2		
PS-2-S	4		
R320	4		
R3x65	4		
R3x110	4		
PS-3-S	2		
R303	2		
MARINE GRADE PKG REQ			
CL. FT. CONC.	55	APPROX CONC WEIGHT	2,735

EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2-S	2		
PS-10-S	2		
PS-2-S	4		
R320	4		
R3x65	4		
R3x129	4		
PS-3-S	2		
R303	2		
MARINE GRADE PKG REQ			
CL. FT. CONC.	65	APPROX CONC WEIGHT	3,190

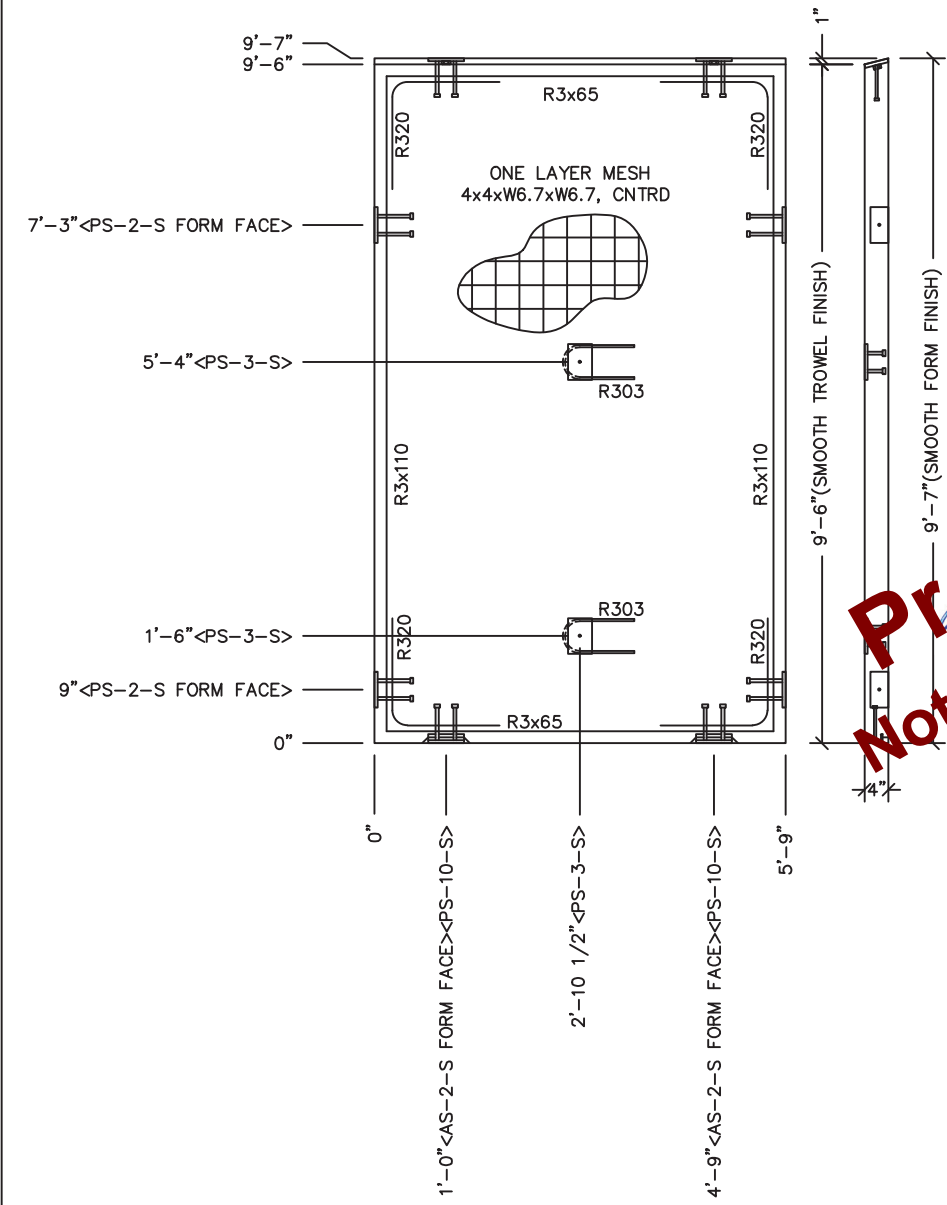
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2-S	2		
PS-10-S	2		
PS-2-S	4		
R320	4		
R3x65	4		
R3x110	4		
PS-3-S	2		
R303	2		
MARINE GRADE PKG REQ			
CL. FT. CONC.	55	APPROX CONC WEIGHT	2,735



WALL W4



WALL W5



WALL W6

- NOTES:**
1. WALL THICKNESS = 4"
 2. EXCEPT R320 & R303, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER ALL OTHER BARS TO BE CENTERED IN PANEL.

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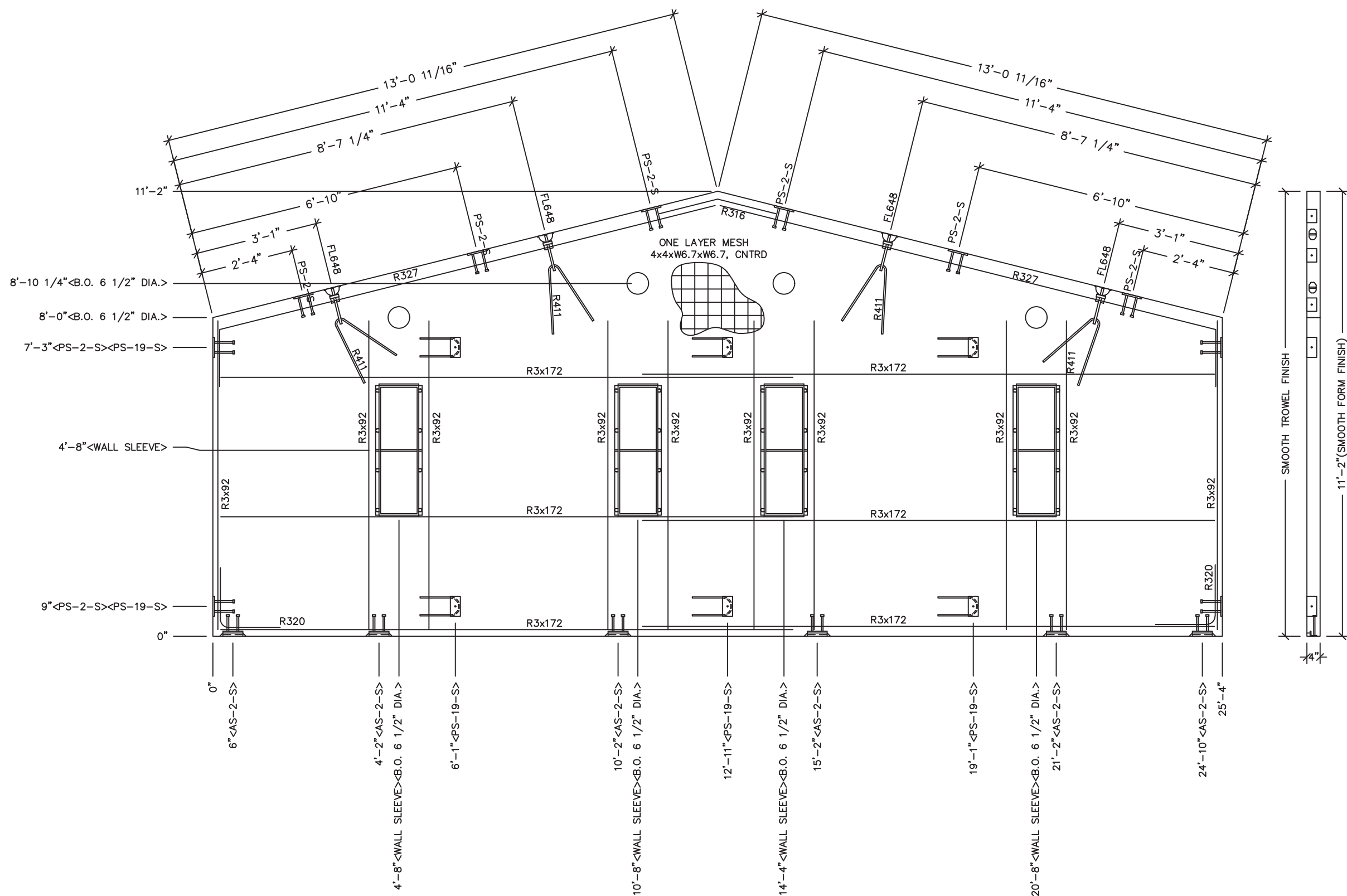
PROJECT TITLE
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANELS MARK W4, W5 & W6		
DWG NO.	SHEET	REV.
S-11	11 / 35	0

MARINE PACKAGE



EMBEDDED MATERIALS	
ITEM	QTY
AS-2-S	6
PS-2-S	10
FL-648	4
R411	4
BLOCKOUT 6 1/2" DIA	4
PS-19-S	6
R303	6
R320	4
R316	1
R327	2
R3x172	6
R3x92	20
SHOWER WALL SLEEVE	4

MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
76.9 (2.85)	243
APPROXIMATE WEIGHT	
11,535	

Preliminary
Not for Construction

Professional Engineer Seal:
 WILLIAM J. MEYER
 No. 37649
 May 15, 2022
 ARIZONA U.S.A.

CXT
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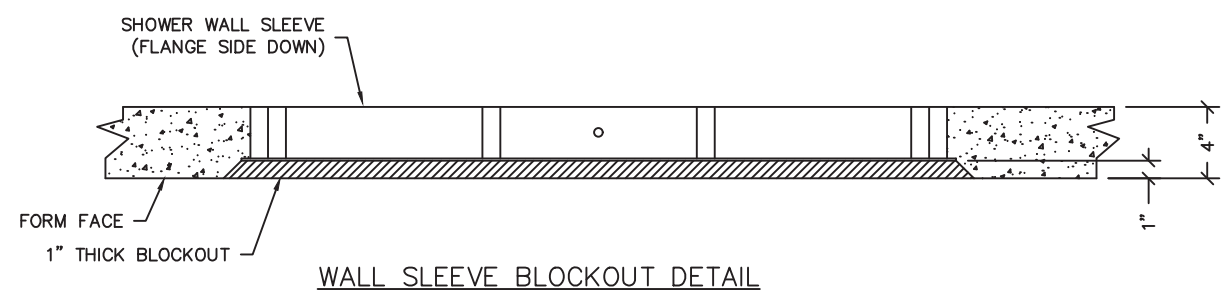
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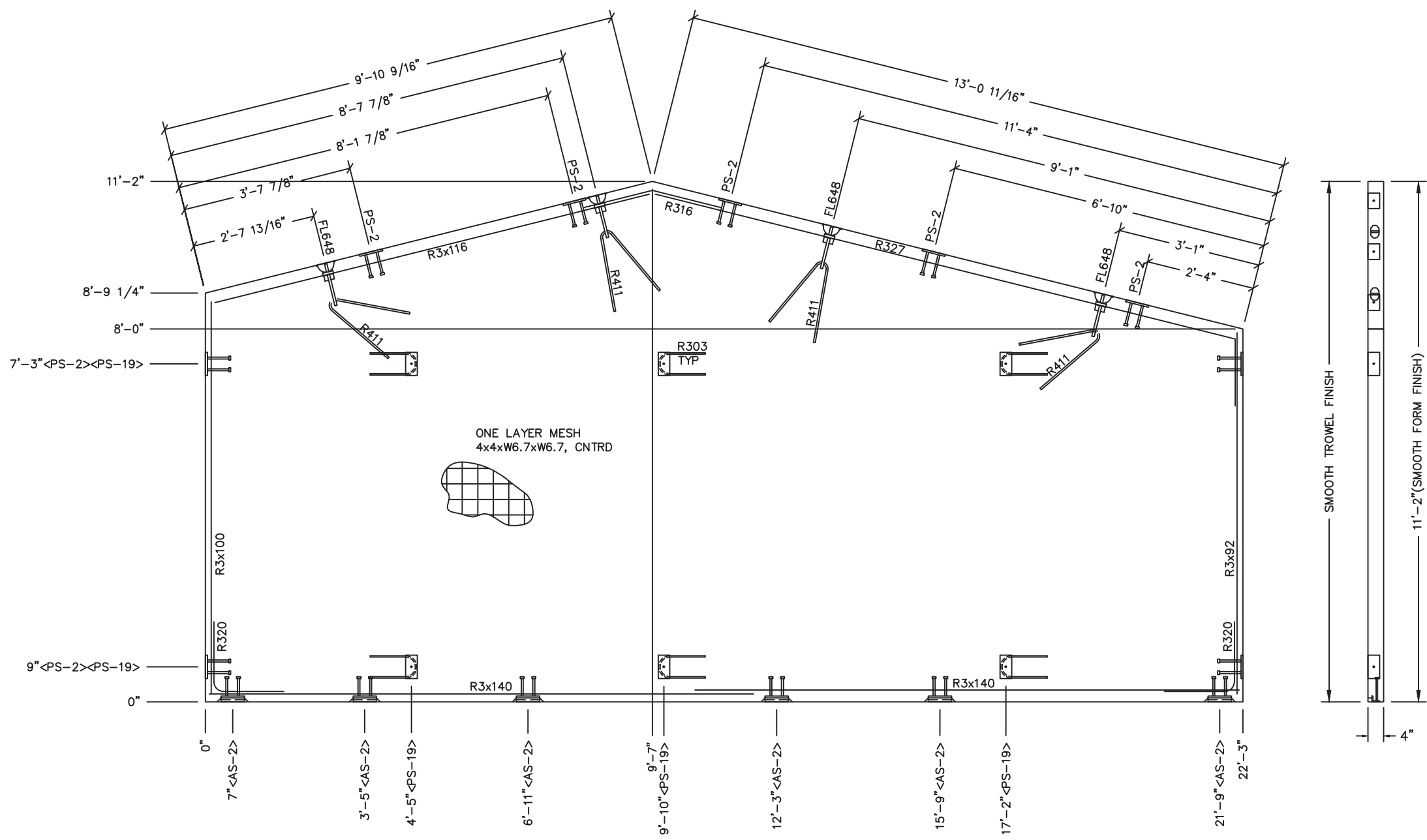
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL MARK W7		
DWG NO.	SHEET	REV.
S-12	12 / 35	0

- NOTES:**
1. WALL THICKNESS = 4"
 2. EXCEPT R303, R411, R327, R316, & R3x172 REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER ALL OTHER BARS TO BE CENTERED IN PANEL.



MARINE PACKAGE



EMBEDDED MATERIALS	
ITEM	QTY
AS-2	6
PS-2	9
FL648	4
R411	4
R327	1
R3x92	2
R3x140	4
R316	1
R320	4
PS-19	6
R303	6
R3x116	1
R3x100	2

CU. FT. CONC.	SQ. FT. W.W.F.
72.3 (2.67)	216
APPROXIMATE WEIGHT	
10,845	



CXT
Precast Products
 6707 E. Flamingo Ave. Bldg 300, Nampa, ID 83687
 901 N. Highway 77 Hillsboro, TX 76645
 362 Waverly Road Williamstown, WV 26187

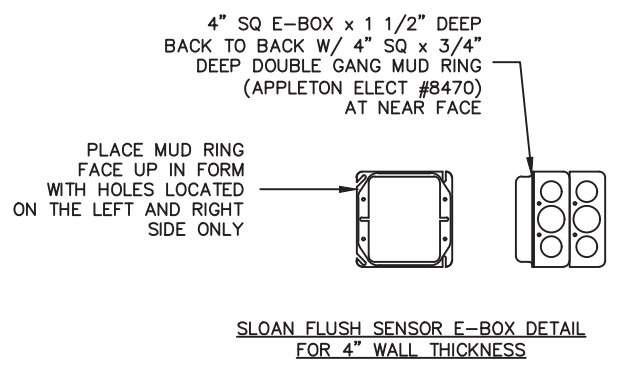
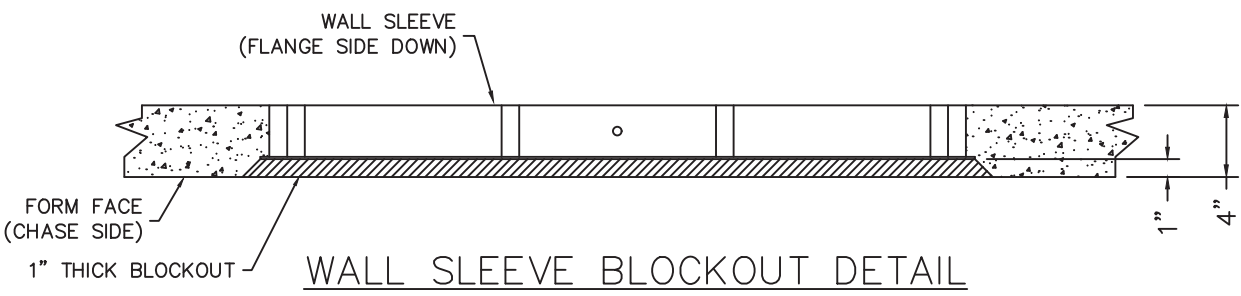
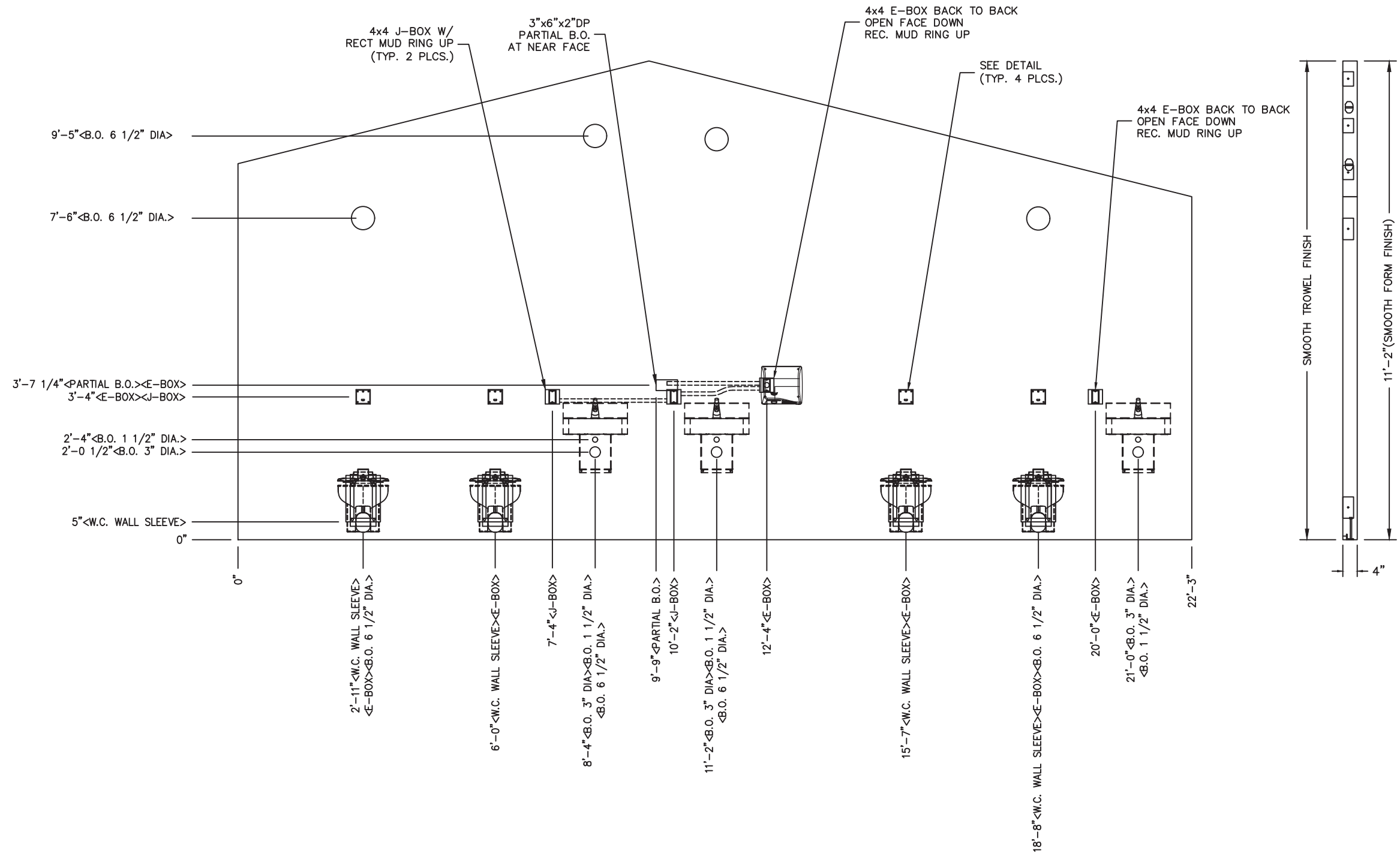
PROJECT TITLE
SANTIAGO
 BUILDINGS S-365 THRU S-367

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL MARK W8 EMBEDS		
DWG NO.	SHEET	REV.
S-13	13 / 35	0

- NOTES:**
1. WALL THICKNESS = 4"
 2. EXCEPT R303, R411, R327 & R316, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER
 3. ALL OTHER BARS TO BE CENTERED IN PANEL.



NOTES:
1. WALL THICKNESS = 4"

EMBEDDED MATERIALS	
ITEM	QTY
W.C. WALL SLEEVE	4
TWO GANG MUD RING	4
B.O. 3" DIA	3
B.O. 1 1/2" DIA	3
RECT MUD RING	4
4x4 E-BOX	12
B.O. 6 1/2" DIA	4
3"x6"x2" DP PARTIAL B.O.	1
4x4 J-BOX	2

CU. FT. CONC.	SQ. FT. W.W.F.
---------------	----------------

APPROXIMATE WEIGHT

Preliminary
Not for Construction

PROFESSIONAL ENGINEER
NO. 37649
WILLIAM H. HEIDEN
DESIGNED
MAY 15, 2022
ARIZONA U.S.A.

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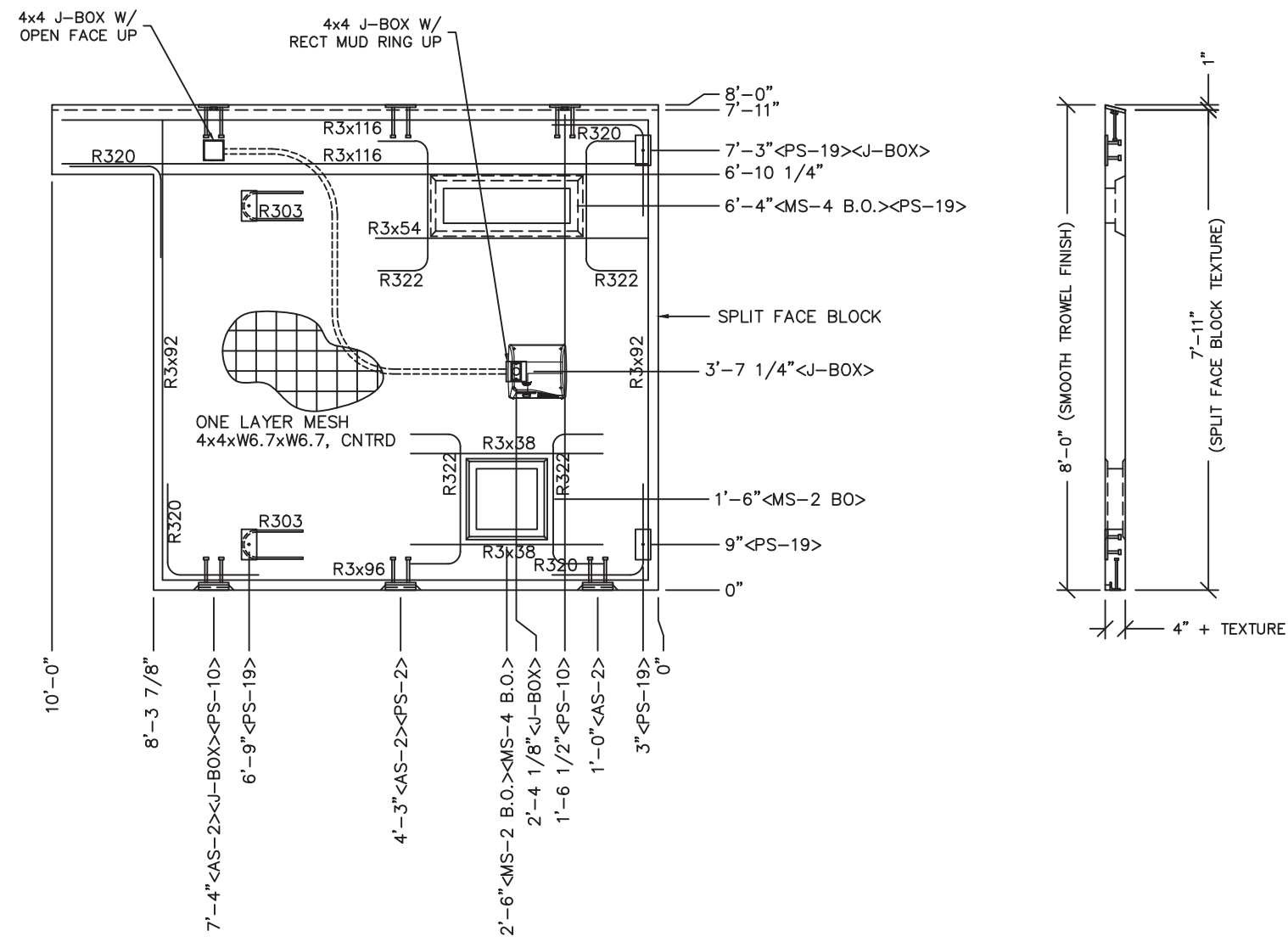
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SANTIAGO
BUILDINGS S-365 THRU S-367

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL
MARK W8 BLOCKOUTS

DWG NO.	SHEET	REV.
S-14	14 35	0



- NOTES:**
1. WALL THICKNESS = 4" + TEXTURE
 2. EXCEPT R303, R3x38, & R322, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER
 3. ALL OTHER REBAR TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
AS-2	3
PS-10	2
PS-19	4
R303	2
PS-2	1
R3x116	4
R3x92	4
R320	8
R3x38	2
R322	4
MS-2 BLOCKOUT	1
R3x96	2
MS-4 B.O.	1
4x4 J-BOX	2
RECT MUD RING	1
R3x54	2

CU. FT. CONC.	SQ. FT. W.W.F.
21.9 (0.81)	69
APPROXIMATE WEIGHT	
3,285	

Preliminary
Not for Construction



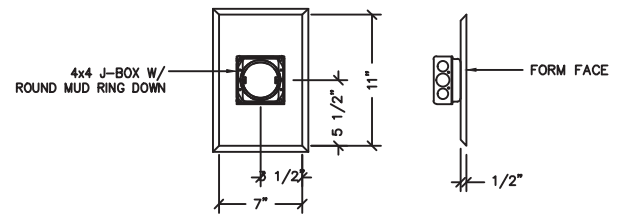
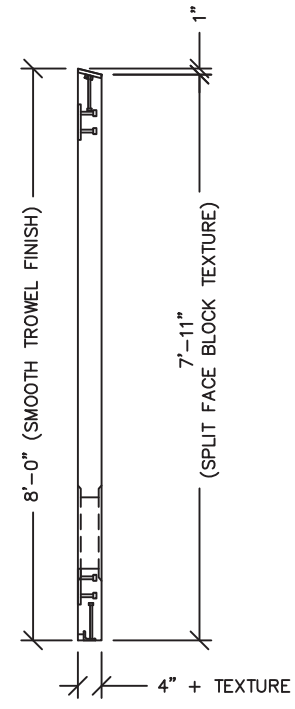
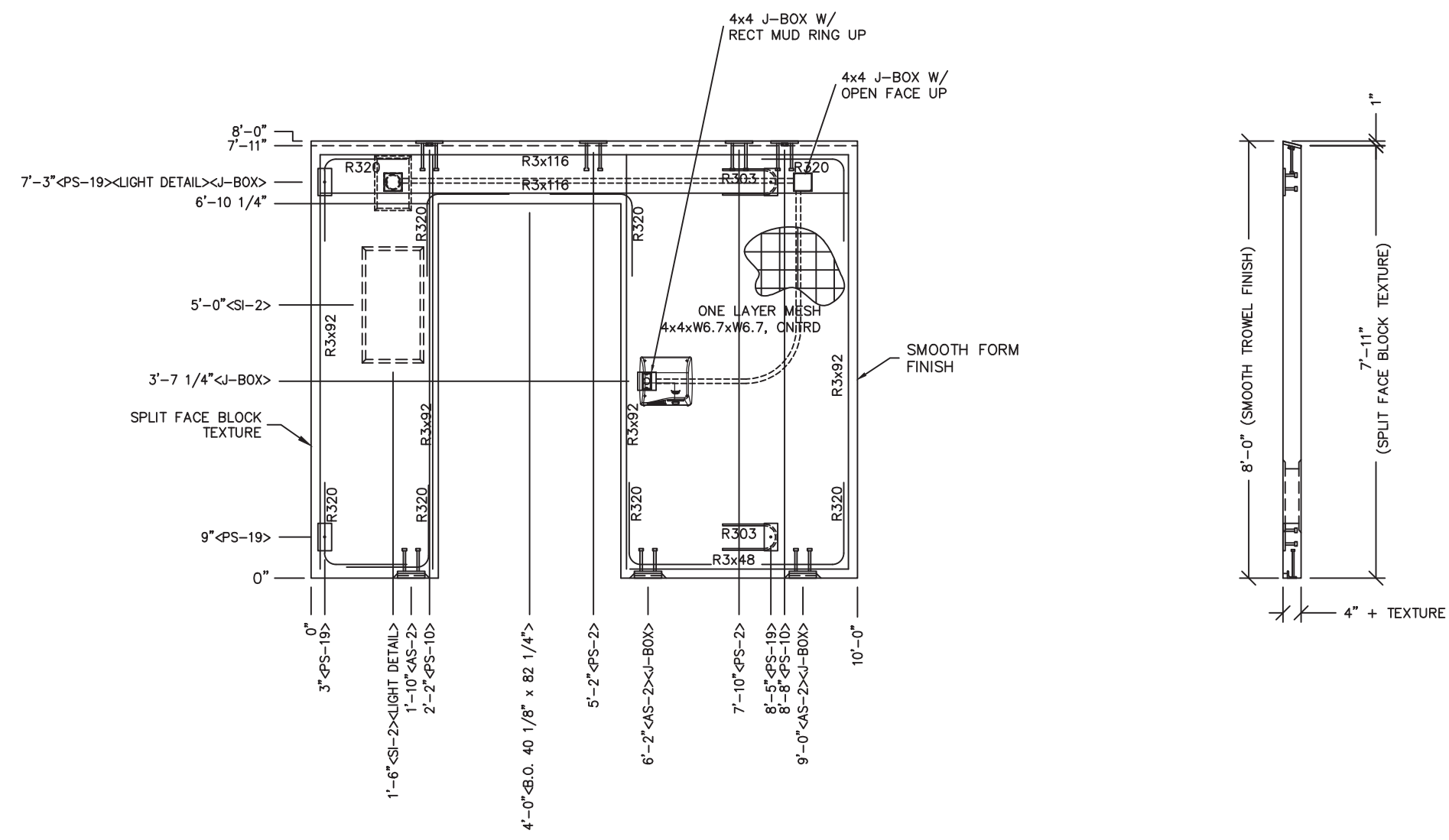
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SCALE	3/8"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL MARK W9		
DWG NO.	SHEET	REV.
S-15	15 35	0



LIGHT DETAIL

- NOTES:**
1. WALL THICKNESS = 4" + TEXTURE
 2. EXCEPT R303, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER
 3. ALL OTHER REBAR TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
AS-2	3
PS-2	2
PS-10	2
PS-19	6
R3x92	8
R3x116	4
R320	16
R303	2
R3x48	2
B.O. 40 1/8" x 82 1/4"	1
SI-2	1
ROUND MUD RING	1
4x4 J-BOX	3
RECT MUD RING	1

CU. FT. CONC.	SQ. FT. W.W.F.
18.8 (0.70)	80
APPROXIMATE WEIGHT	
2,820	

Preliminary
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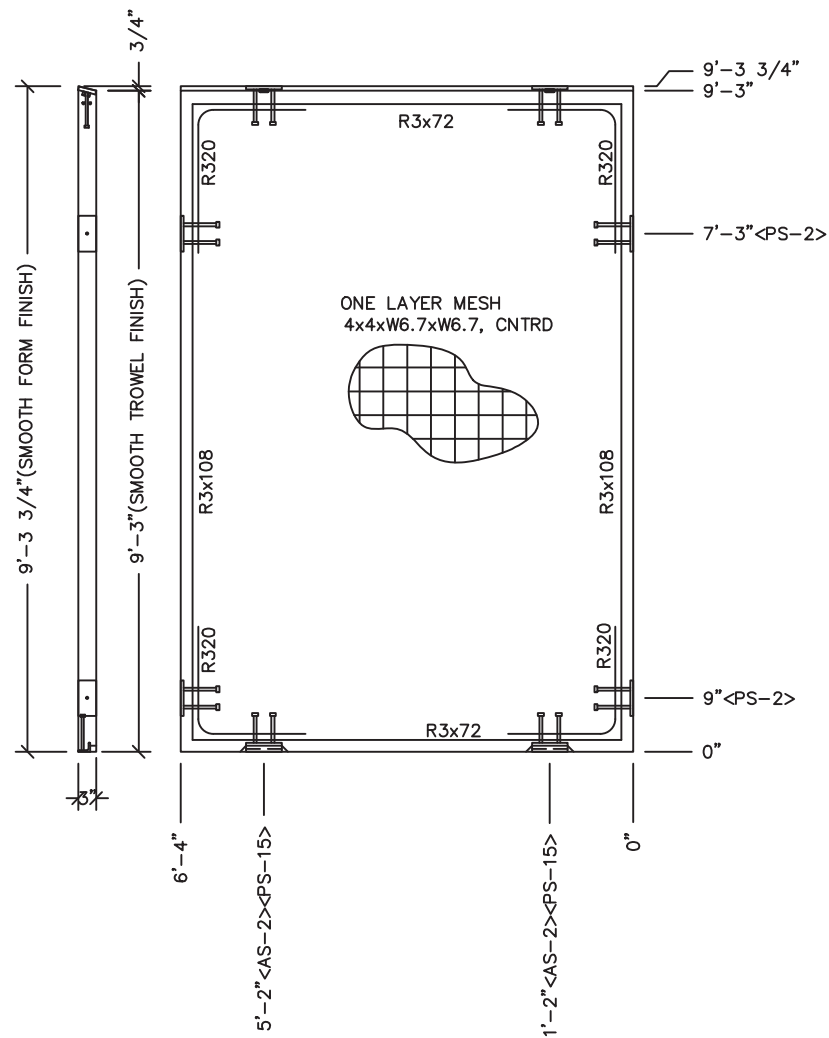
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL MARK W10		
DWG NO.	SHEET	REV.
S-16	16 / 35	0

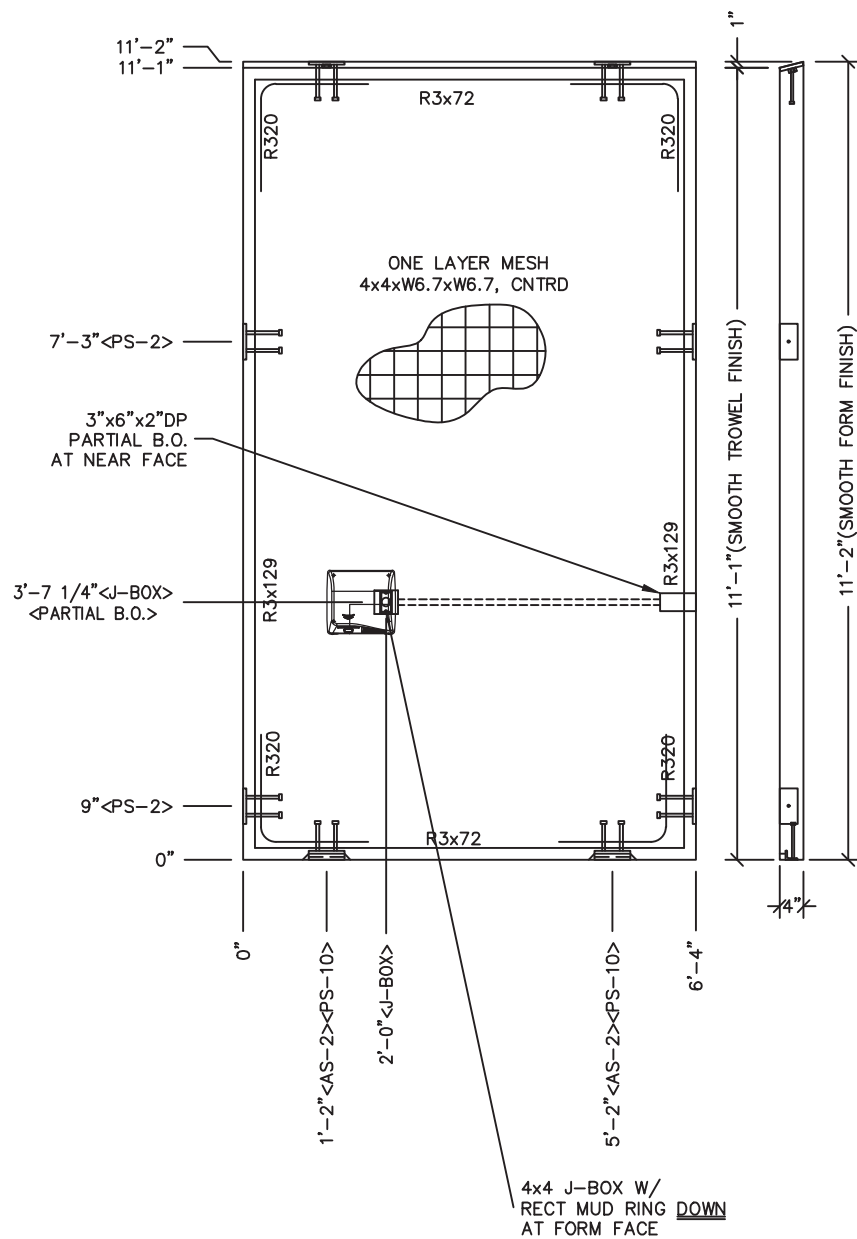
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2	2		
PS-15	2		
PS-2	4		
R320	4		
R3x72	4		
R3x108	4		
CL. FT. CONC.	SO. FT. W.W.F.	APPROX CONC WEIGHT	
14.7 (0.54)	58	2,205	

EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2	2		
PS-10	2		
PS-2	4		
R320	4		
R3x72	4		
R3x129	4		
4x4 J-BOX	1		
RECT MUD RING	1		
3"x6"x2" DP PARTIAL B.O.	1		
CL. FT. CONC.	SO. FT. W.W.F.	APPROX CONC WEIGHT	
23.5 (0.87)	70	3,525	

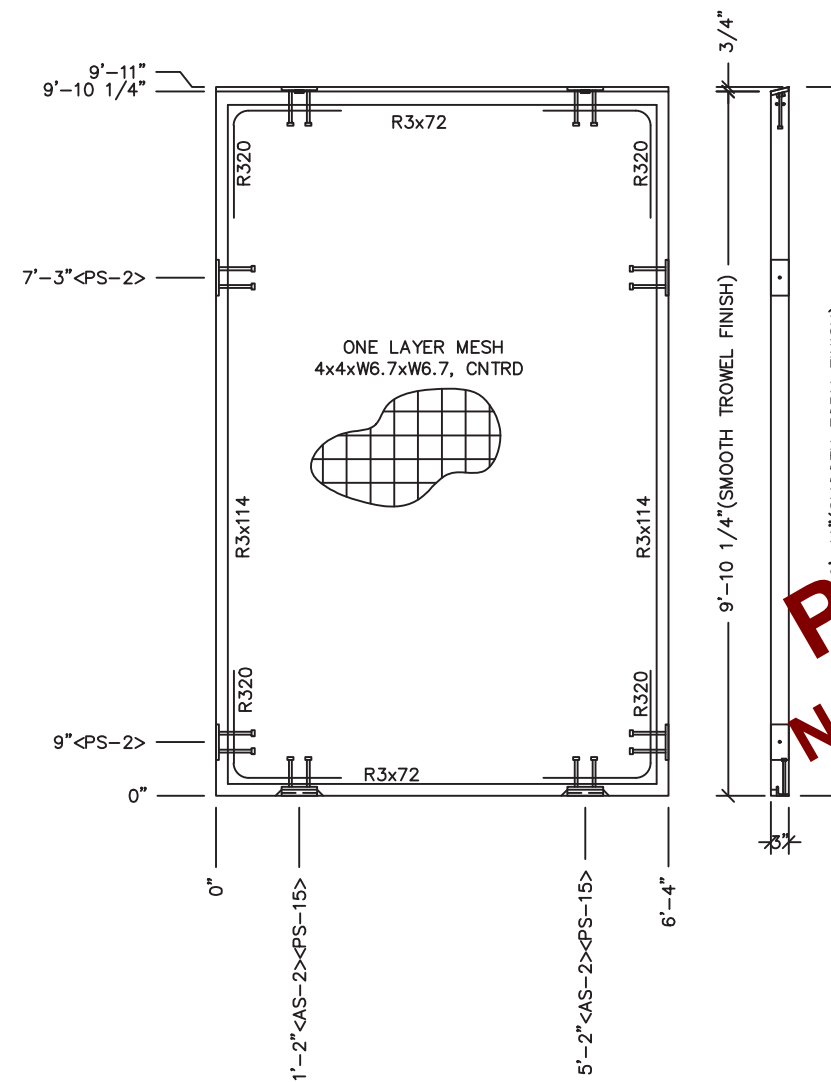
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2	2		
PS-15	2		
PS-2	4		
R320	4		
R3x72	4		
R3x114	4		
CL. FT. CONC.	SO. FT. W.W.F.	APPROX CONC WEIGHT	
15.6 (0.57)	60	2,340	



WALL W11



WALL W12



WALL W13

NOTES:

1. WALL THICKNESS = 4"
2. EXCEPT R320, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER ALL OTHER BARS TO BE CENTERED IN PANEL.

Preliminary
Not for Construction



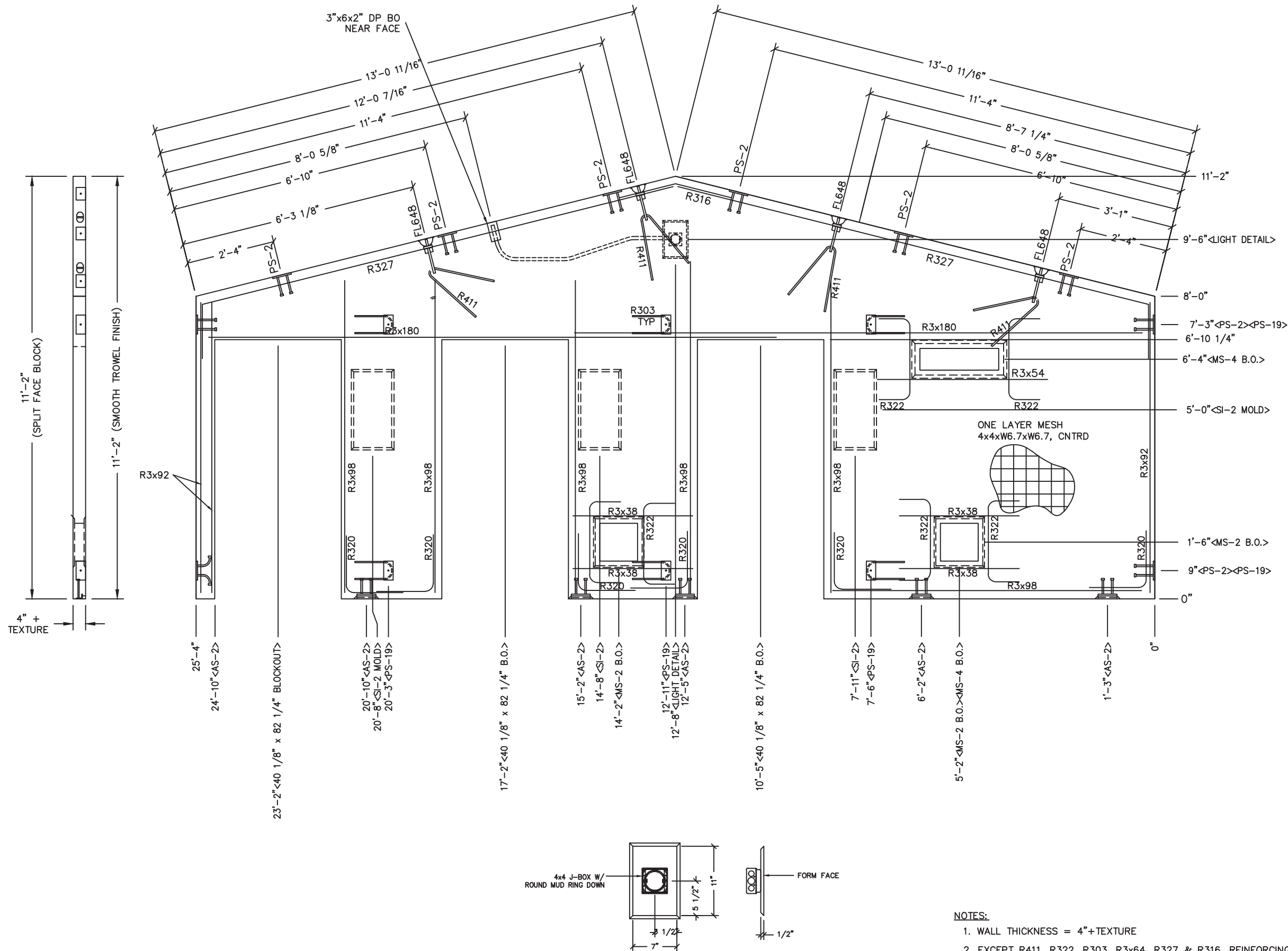
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DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL MARK W11, W12 & W13		
DWG NO.	SHEET	REV.
S-17	17 35	0



ITEM	QTY
AS-2	5
PS-2	10
FL-648	4
R411	4
R3x92	6
R3x98	10
R3x180	4
R320	12
R327	2
R316	1
40 1/8" x 82 1/4" B.O.	3
R3x54	2
R3x38	4
R322	6
R303	6
PS-19	6
MS-2 B.O.	2
SI-2 MOLD	3
3"x6"x2" DP PARITAL B.O.	1
4x4 J-BOX	1
ROUND MUD RING	1
MS-4 B.O.	1

CU. FT. CONC.	SQ. FT. W.W.F.
57.2 (2.11)	174

APPROXIMATE WEIGHT
8,580

Preliminary
Not for Construction

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DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

WALL PANEL MARK W16		
DWG NO.	SHEET	REV.
S-19	19 35	0

- NOTES:**
1. WALL THICKNESS = 4"+TEXTURE
 2. EXCEPT R411, R322, R303, R3x64, R327 & R316, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL W/ 3/4" MIN. COVER
 3. ALL OTHER BARS TO BE CENTERED IN PANEL.

EMBEDDED MATERIALS	
ITEM	QTY
PS-19-S	19
AS-5	7
PT CHUCK	2
R3x116	2
R303	12
1" PVC SCH40 x9'-6"	2
R4x112	6
R3x172	4
R3x48	8
R3x32	8
R3x42	32
RM54960 F.D.	4
BLOCKOUT 8"x1'-0"	2
AS-3	1
B.O. 8" DIA	1
SECTIONAL CONNECTION B.O.	2

MARINE PACKAGE REQUIRED	
CU. FT. CONC. 107.8 (3.99)	SQ. FT. W.W.F. 520
APPROXIMATE WEIGHT 16,175	



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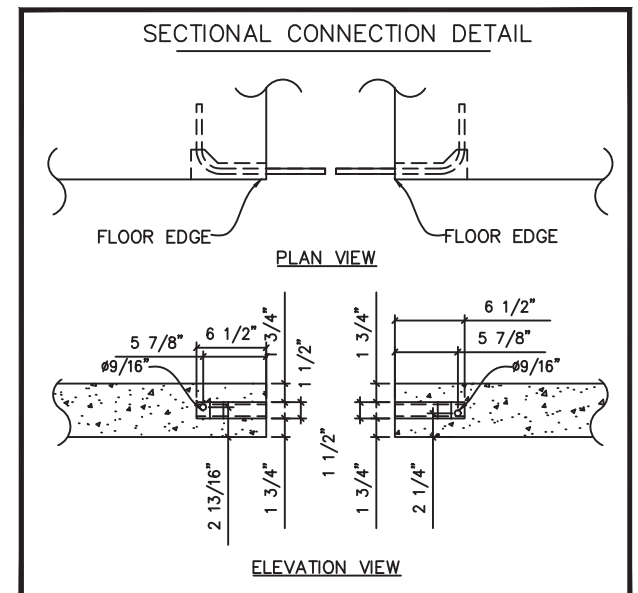
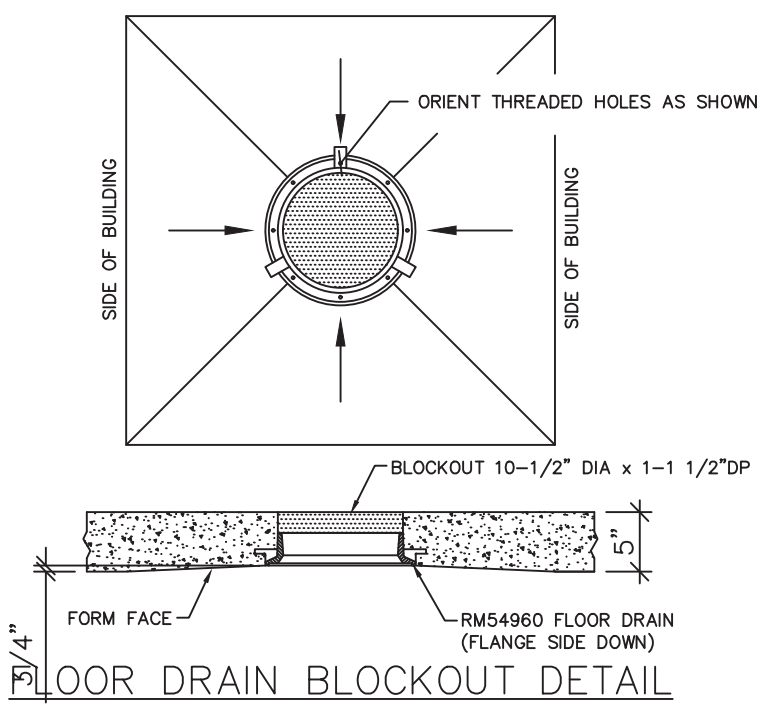
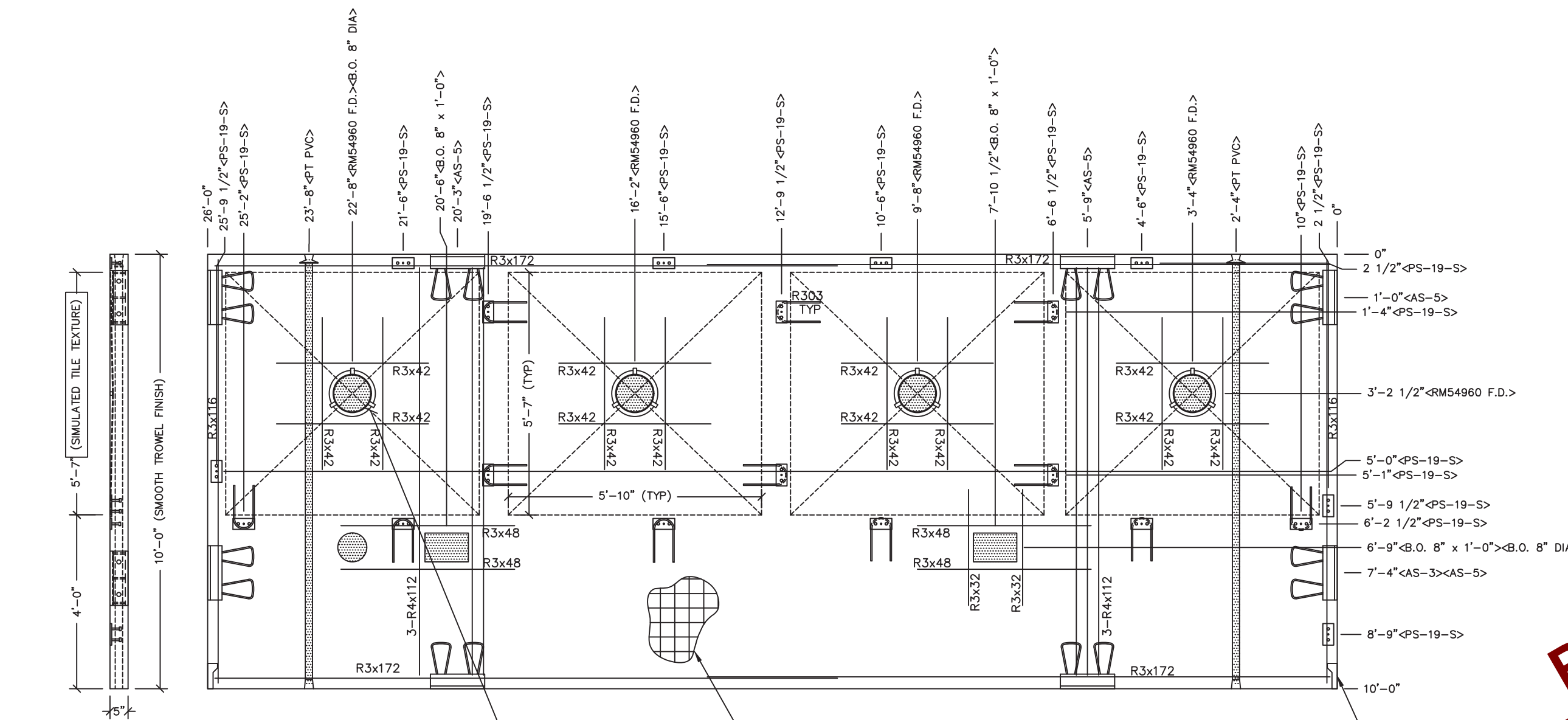
CXT Incorporated

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"-1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

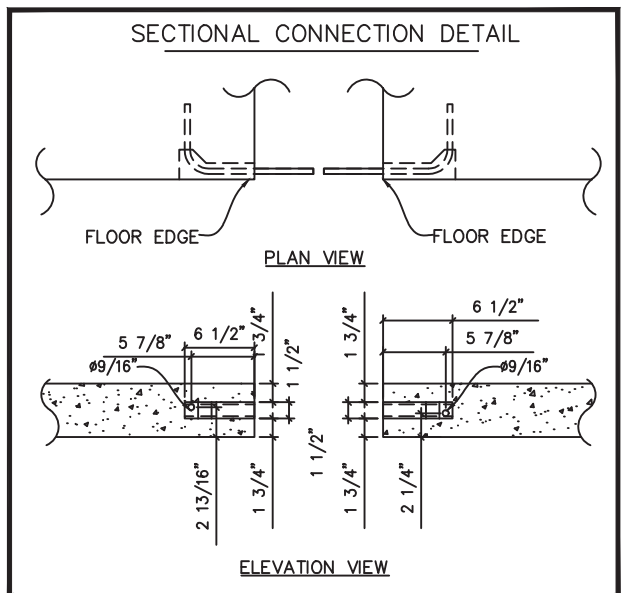
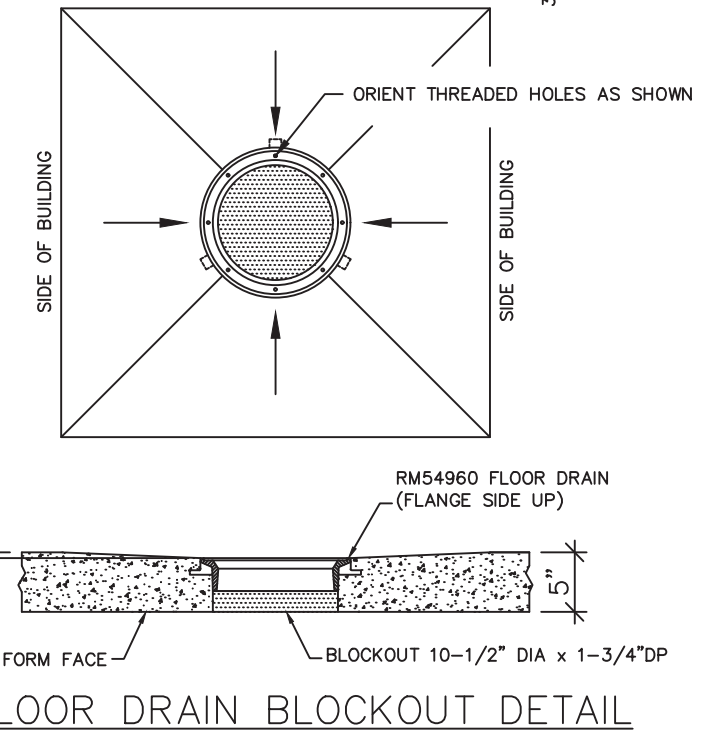
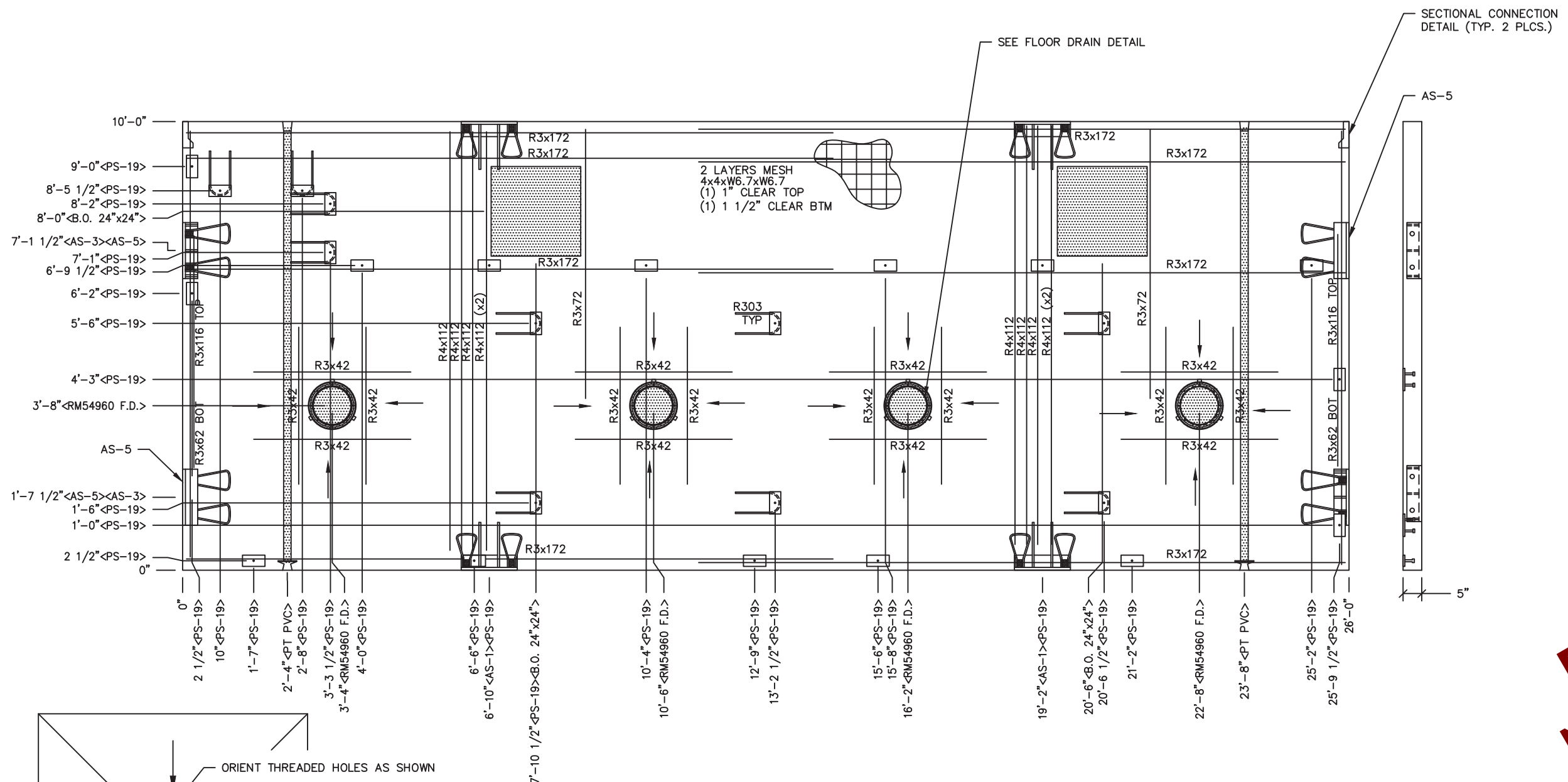
FLOOR SLAB MARK F1		
DWG NO. S-20	SHEET 20	REV. 0

MARINE PACKAGE

Preliminary
Not for Construction



- NOTES:**
- FLOOR TO BE CAST UPSIDE DOWN
FLOOR THICKNESS = 5" TILE SHOWER PAN DEPTH 3/4"
 - EXCEPT R303, R3x116, R3x172 & R4x112, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL WITH 1" MIN COVER TOP & 1 1/4" MIN COVER BOT.
 - R4x112 TO BE PLACED IN TOP OF PANEL WITH 1 1/4" COVER
 - ALL OTHER BARS TO BE CENTERED IN PANEL.



- NOTES:**
- FLOOR THICKNESS = 5". SLOPE 1/4" TO FLOOR DRAIN BLOCKOUTS AS INDICATED BY ARROWS.
 - EXCEPT R3x62, R303, R3x116 & R4x112, REINFORCING BARS TO BE PLACED IN PAIRS ONE EACH FACE OF PANEL WITH 1 1/4" MIN. COVER
 - R4x112 TO BE PLACED IN BOTTOM OF PANEL WITH 1 1/4" COVER, U.N.O.
 - ALL OTHER BARS TO BE CENTERED IN PANEL OR PLACED AS NOTED

EMBEDDED MATERIALS	
ITEM	QTY
PS-19	25
AS-3	2
R3x72	4
R3x172	16
R4x112	10
R3x62	2
R3x42	32
RM54960 F.D.	4
AS-1	4
B.O. 24"x24"	2
R303	10
R3x116	2
SECTIONAL BLOCKOUT	2
AS-5	2
1" PVC SCH40 x9'-6"	2
PT CHUCK	2

CU. FT. CONC.	SQ. FT. W.W.F.
104.1 (3.85)	536
APPROXIMATE WEIGHT	
15,615	

Preliminary
Not for Construction

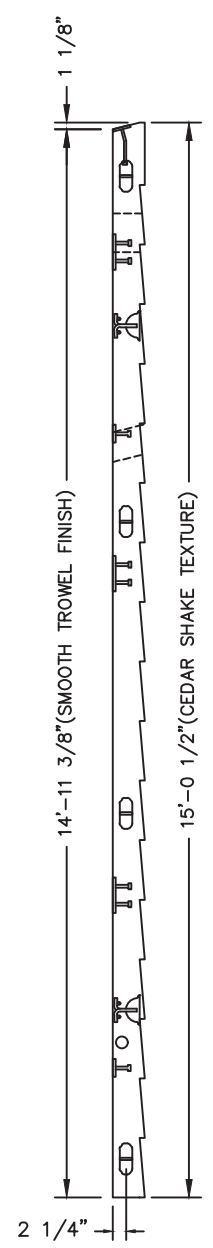
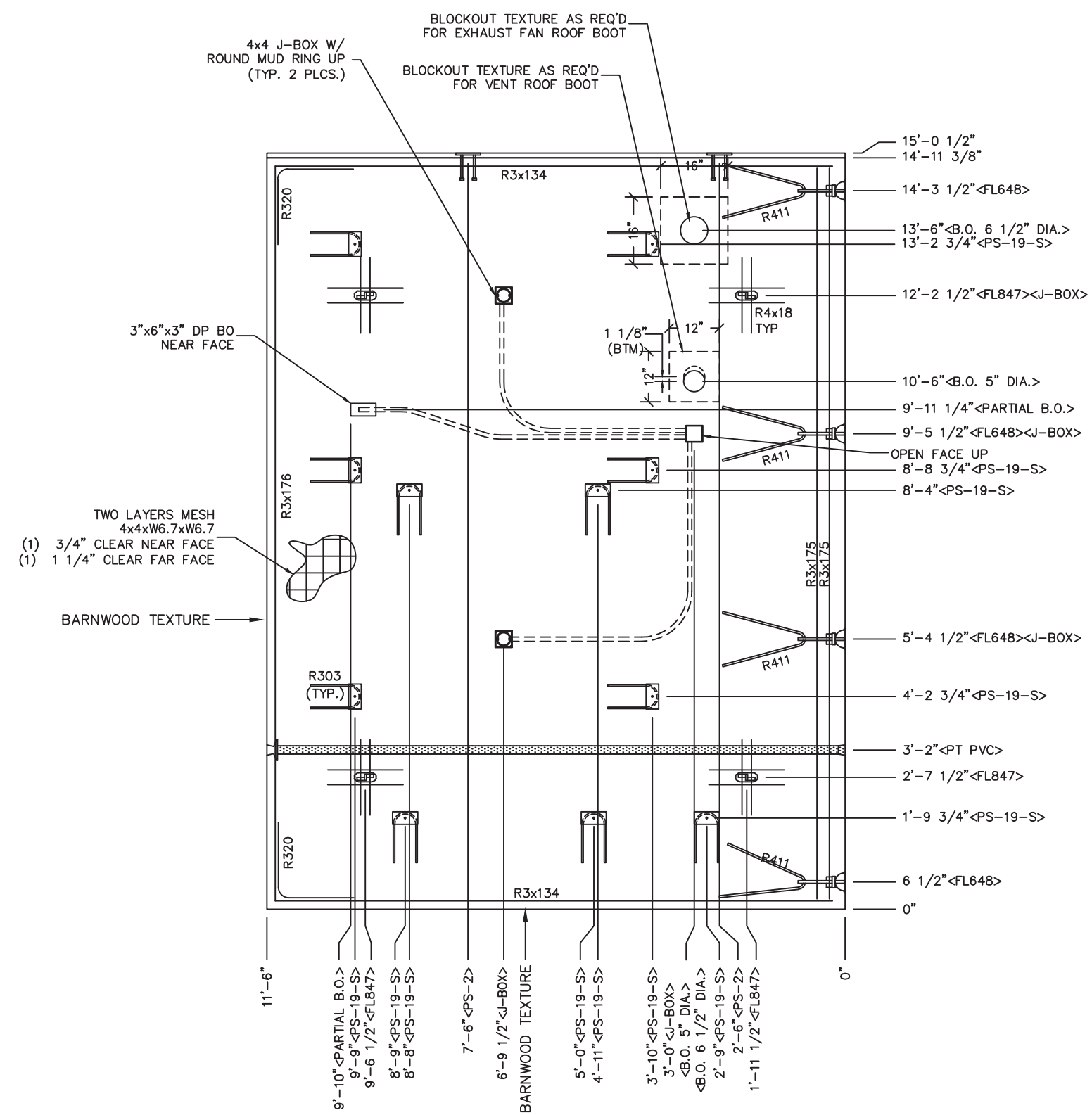
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362 Waverly Road Williamstown, WV 26187

PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

FLOOR SLAB MARK F2		
DWG. NO.	SHEET	REV.
S-21	21 / 35	0



- NOTES:**
1. ROOF THICKNESS = 4 1/2" MIN + TEXTURE
 2. EXCEPT R303, R411, R3x175 & R4x18, BARS TO BE PLACED IN PAIRS, ONE EACH FACE OF PANEL W/ 3/4" CLR NF & 1 1/4" CLR FF
 3. PLACE BARS R4x18 UP IN FORM W/ 1 1/4" COVER.
 4. ALL OTHER BARS TO BE CENTERED IN PANEL.

ITEM	QTY
PS-19-S	11
FL-847	4
FL-648	4
R411	4
R303	11
R3x134	4
R3x175	2
R3x176	2
R320	4
1" PVC SCH40 x11'-0"	1
PT CHUCK	1
PS-2-S	2
R4x18	16
BLOCKOUT 5" DIA	1
3"x6"x3" DP B.O.	1
4x4 J-BOX	3
BLOCKOUT 6 1/2" DIA	1
ROUND MUD RING	2

MARINE PACKAGE REQUIRED	
CU. FT. CONC. 71.3 (2.64)	SQ. FT. W.W.F. 344
APPROXIMATE WEIGHT 10,695	

Preliminary
Not for Construction

WESTERN PROFESSIONAL ENGINEER
No. 37649
WILLIAM H. MEIDEL
SIGNED
May 15, 2022
ARIZONA U.S.A.

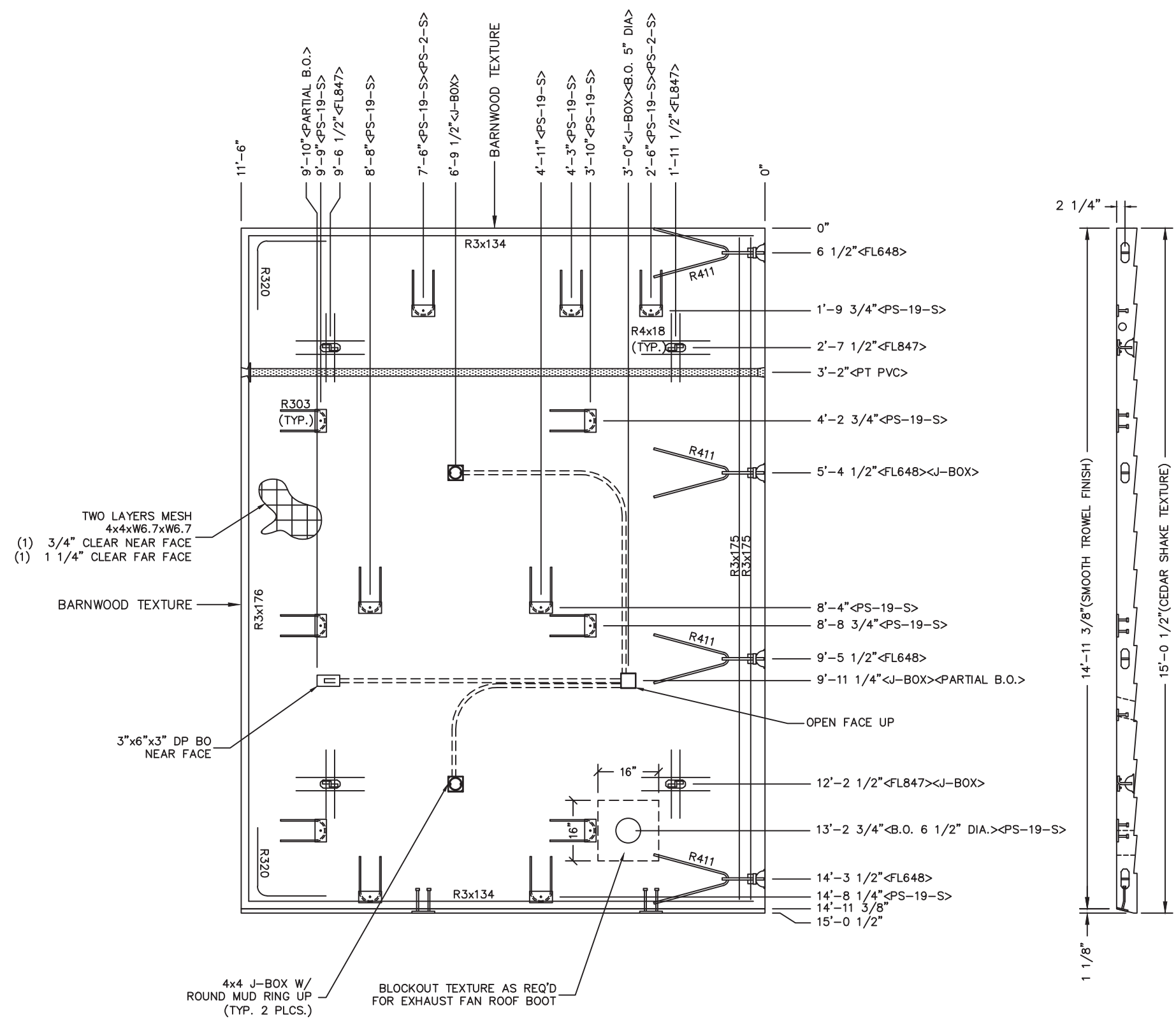
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CHECKED	BNA	PLOT	32

FLOOR SLAB		
MARK R1-R		
DWG NO. S-22	SHEET 22	REV. 0
MARINE PACKAGE		



TWO LAYERS MESH
4x4xW6.7xW6.7
(1) 3/4" CLEAR NEAR FACE
(1) 1 1/4" CLEAR FAR FACE

BARNWOOD TEXTURE

3"x6"x3" DP BO
NEAR FACE

4x4 J-BOX W/
ROUND MUD RING UP
(TYP. 2 PLCS.)

BLOCKOUT TEXTURE AS REQ'D
FOR EXHAUST FAN ROOF BOOT

NOTES:

1. ROOF THICKNESS = 4 1/2" MIN + TEXTURE
2. EXCEPT R303, R411, R3175 & R418, BARS TO BE PLACED IN PAIRS, ONE EACH FACE OF PANEL W/ 3/4" CLR NF & 1 1/4" CLR FF
3. PLACE BARS R4x18 UP IN FORM W/ 1 1/4" COVER.
4. ALL OTHER BARS TO BE CENTERED IN PANEL.

ITEM	QTY
PS-19-S	13
FL-847	4
FL-648	4
R411	4
R303	13
R3x134	4
R3x175	2
R3x176	2
R320	4
1" PVC SCH40 x11'-0"	1
PT CHUCK	1
PS-2-S	2
R4x18	16
B.O. 6 1/2" DIA	1
3"x6"x3" DP B.O.	1
4x4 J-BOX	3
ROUND MUD RING	2

MARINE PACKAGE REQUIRED	
CU. FT. CONC. 71.3 (2.64)	SQ. FT. W.W.F. 344
APPROXIMATE WEIGHT 10,695	

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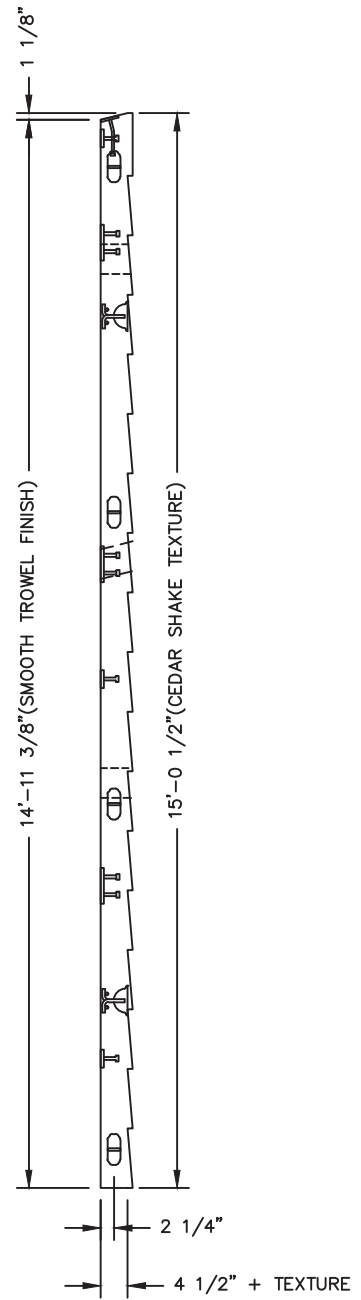
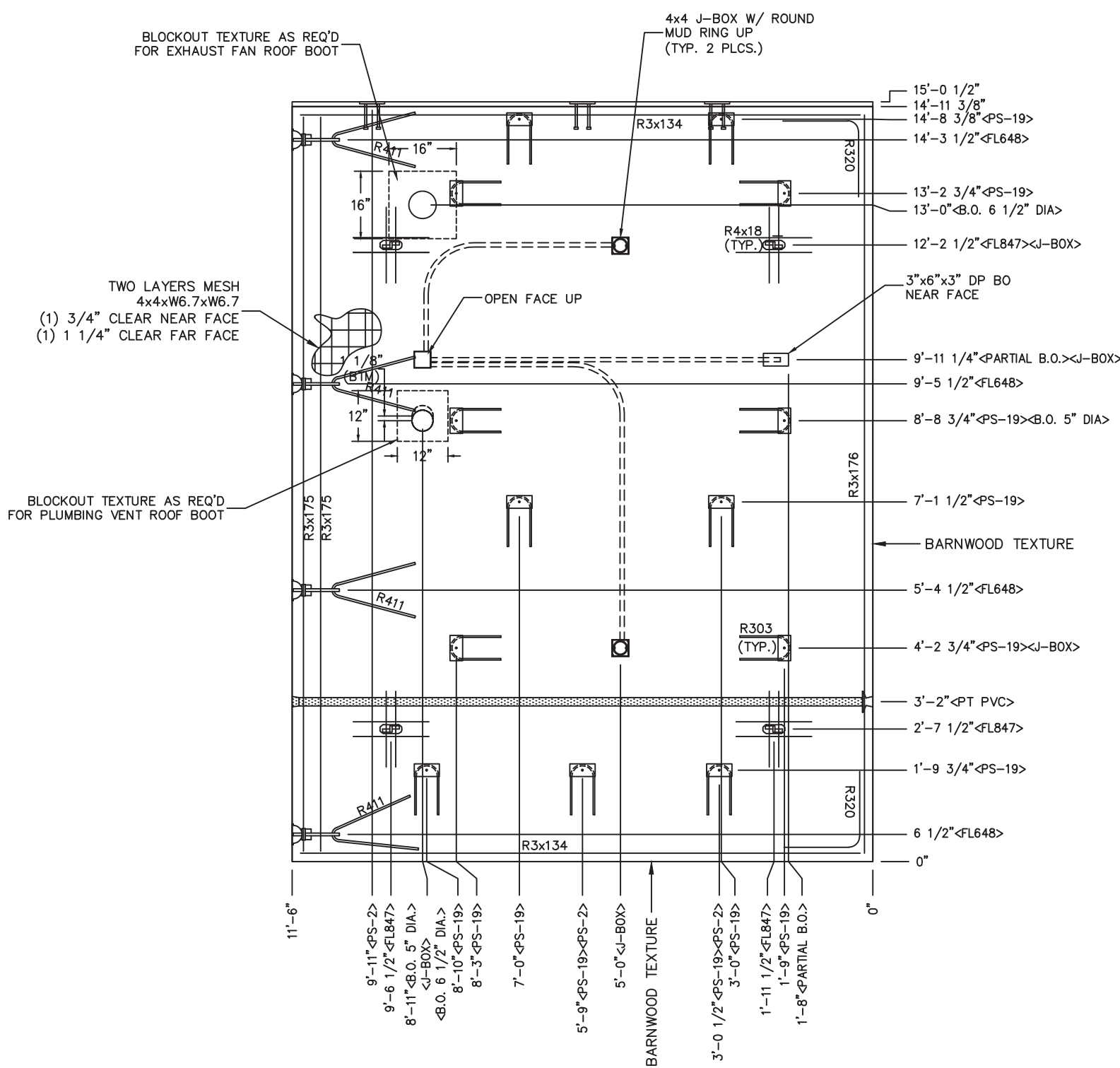
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DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

FLOOR SLAB MARK R1-L		
DWG NO. S-23	SHEET 23 35	REV. 0

MARINE PACKAGE



- NOTES:**
1. ROOF THICKNESS = 4 1/2" MIN + TEXTURE
 2. EXCEPT R303, R411, R3x175 & R4x18, BARS TO BE PLACED IN PAIRS, ONE EACH FACE OF PANEL W/ 3/4" CLEAR NEAR FACE & 1 1/4" CLEAR FORM FACE
 3. PLACE BARS R4x18 UP IN FORM W/ 1 1/4" COVER
 4. ALL OTHER BARS TO BE CENTERED IN PANEL

ITEM	QTY
PS-19	16
PS-2	3
FL648	4
FL847	4
R411	4
R303	16
R320	4
R3x176	2
R3x134	4
R3x175	2
R4x18	16
BLOCKOUT 5" DIA	2
4x4 J-BOX	3
3"x6"x3" DP B.O.	1
ROUND MUD RING	2
B.O. 6 1/2" DIA	1
1" PVC SCH40 x11'-0"	1
PT CHUCK	1

CU. FT. CONC.	SQ. FT. W.W.F.
71.3 (2.64)	340
APPROXIMATE WEIGHT	
10,695	

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WESTERN PROFESSIONAL ENGINEER
 LICENSE NO. 37649
 WILLIAM H. MEIDELER III
 ENGINEER
 SIGNED
 May 15, 2022
 ARIZONA U.S.A.

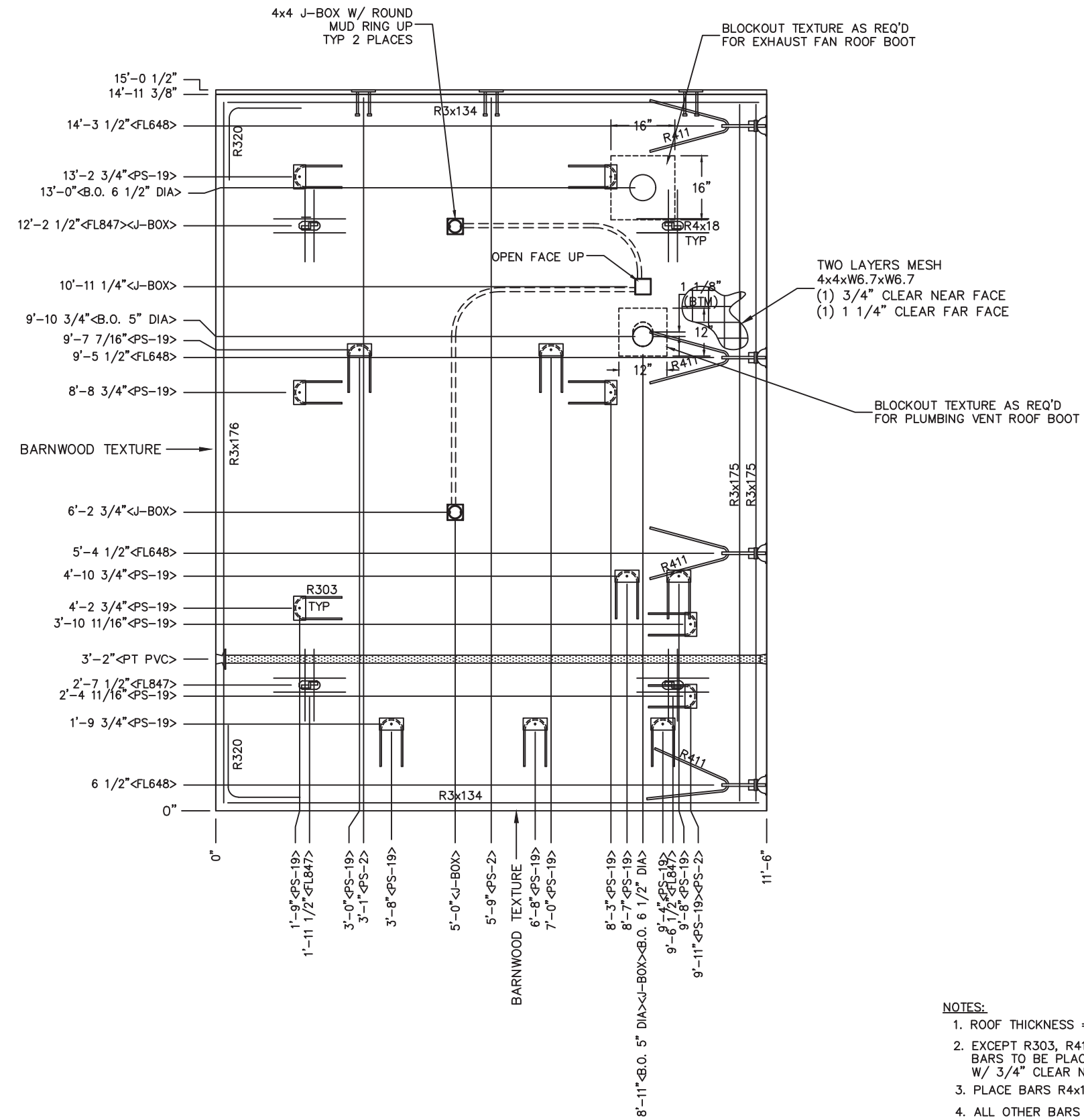
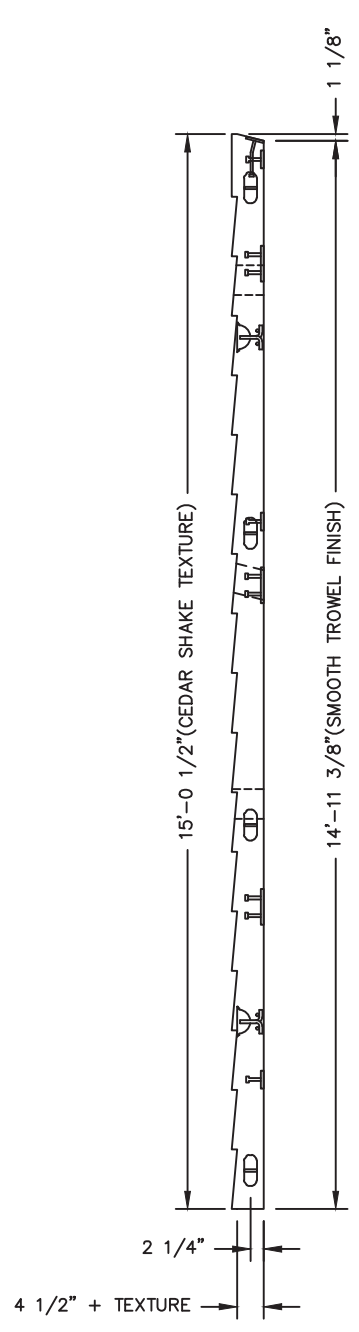
CXT
Precast Products
 6707 E. Flamingo Ave. Bldg 300, Nampa, ID 83687
 901 N. Highway 77 Hillsboro, TX 76645
 362 Waverly Road Williamstown, WV 26187

PROJECT TITLE
SANTIAGO
 BUILDINGS S-365 THRU S-367

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"-1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

FLOOR SLAB		
MARK R2-R		
DWG NO.	SHEET	REV.
S-24	24	0
	35	



- NOTES:**
1. ROOF THICKNESS = 4 1/2" MIN + TEXTURE
 2. EXCEPT R303, R411, R3x175 & R4x18, BARS TO BE PLACED IN PAIRS, ONE EACH FORM OF PANEL W/ 3/4" CLEAR NEAR FACE & 1 1/4" CLEAR FAR FACE
 3. PLACE BARS R4x18 UP IN FORM W/ 1 1/4" COVER
 4. ALL OTHER BARS TO BE CENTERED IN PANEL

EMBEDDED MATERIALS	
ITEM	QTY
PS-19	17
PS-2	3
FL648	4
FL847	4
R411	4
R303	17
R320	4
R3x176	2
R3x134	4
R3x175	2
R4x18	16
BLOCKOUT 5" DIA	1
4x4 J-BOX	3
ROUND MUD RING	1
B.O. 6 1/2" DIA	1
1" PVC SCH40 x11'-0"	1
PT CHUCK	1

CU. FT. CONC.	SQ. FT. W.W.F.
71.3 (2.64)	340
APPROXIMATE WEIGHT	
10,695	

Preliminary
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/8"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	32

FLOOR SLAB MARK R2-L		
DWG NO.	SHEET	REV.
S-25	25 / 35	0

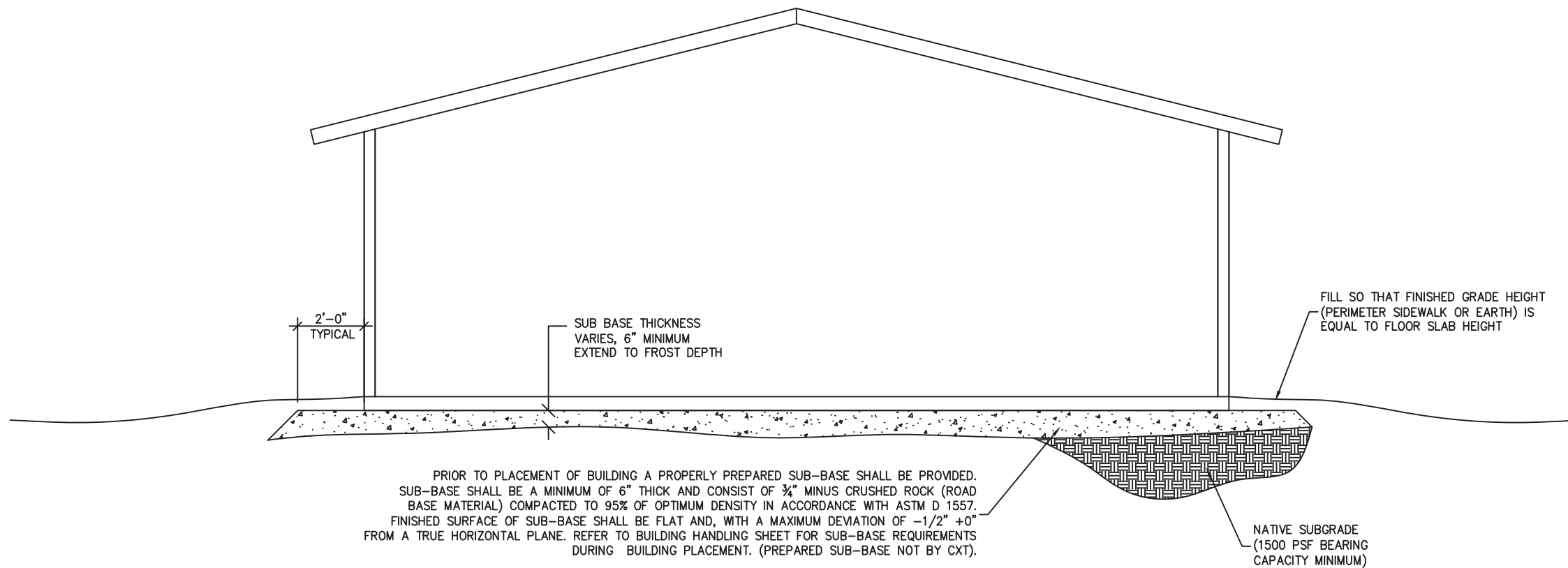
NOTE:

THIS FACTORY ASSEMBLED BUILDING, AS CONSTRUCTED, PROVIDES A RIGID BOX TYPE STRUCTURAL SYSTEM. VERTICAL LOADS ARE TRANSFERRED PRIMARILY THROUGH BEARING WALLS TO THE STRUCTURAL SLAB FLOOR OF THE BUILDING. THE VERTICAL LOADS ARE THEN DISTRIBUTED THROUGH THE REINFORCED CONCRETE FLOOR TO THE PREPARED GRANULAR, NON-FROST SUSCEPTIBLE (NFS) SUB-BASE WHICH DISTRIBUTES THE VERTICAL LOADS IN RELATIVELY UNIFORM FASHION TO THE NATIVE SUB-GRADE. AS WITH MOST CONSTRUCTION, THIS DOES REQUIRE THE NATIVE SUB-GRADE TO BE STRIPPED OF VEGETATION AND TOP SOIL PRIOR TO PLACEMENT OF THE PREPARED GRANULAR SUB-BASE. DUE TO THE INHERENT STIFFNESS OF THE BUILDING, IT WILL REMAIN SAFE AND STRUCTURALLY SOUND IN THE UNLIKELY EVENT OF FREEZING ACTION BELOW THE BUILDING REGARDLESS OF NATURAL FREEZE/ THAW CYCLES ANTICIPATED TO BE ENCOUNTERED IN THE STATE OF ARIZONA.

LATERAL LOADS ARE TRANSFERRED TO THE GROUND THROUGH FRICTIONAL RESISTANCE WITHOUT SLIDING OR SHIFTING BETWEEN THE BUILDING FLOOR SLAB AND THE PREPARED SOIL AND GRAVEL SUB-BASE ON WHICH THE BUILDING RESTS. SEISMIC ANALYSES ARE BASED ON LOADS DETERMINED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE USING PARAMETERS, WHICH MEET OR EXCEED THE CODE PRESCRIBED REQUIREMENTS FOR THIS INSTALLATION.

THIS BUILDING AS DESIGNED, RESTING ON A PROPERLY PREPARED GRANULAR SUB-BASE WILL BE SAFE AND STRUCTURALLY SOUND FOR VERTICAL AND LATERAL LOADS AS DISCUSSED ABOVE. A FULL DEPTH FOUNDATION WALL AT THE BUILDING PERIMETER AND AN ANCHORAGE SYSTEM, TYPICAL FOR OTHER TYPES OF BUILDING CONSTRUCTION, ARE NOT REQUIRED FOR THIS BUILDING.

THE "FOUNDATION" FOR THIS STRUCTURE IS ESSENTIALLY THE COMBINATION OF THE COMPACTED SUB-BASE MATERIAL AND THE BUILDING'S REINFORCED SLAB. THE COMBINATION OF THE COMPACTED SUB-BASE MATERIAL AND THE BUILDING'S REINFORCED SLAB NEED TO BE AT LEAST 12" THICK AND THE COMPACTED SUB-BASE MATERIAL SHALL EXTEND BELOW THE LOCAL FROST DEPTH



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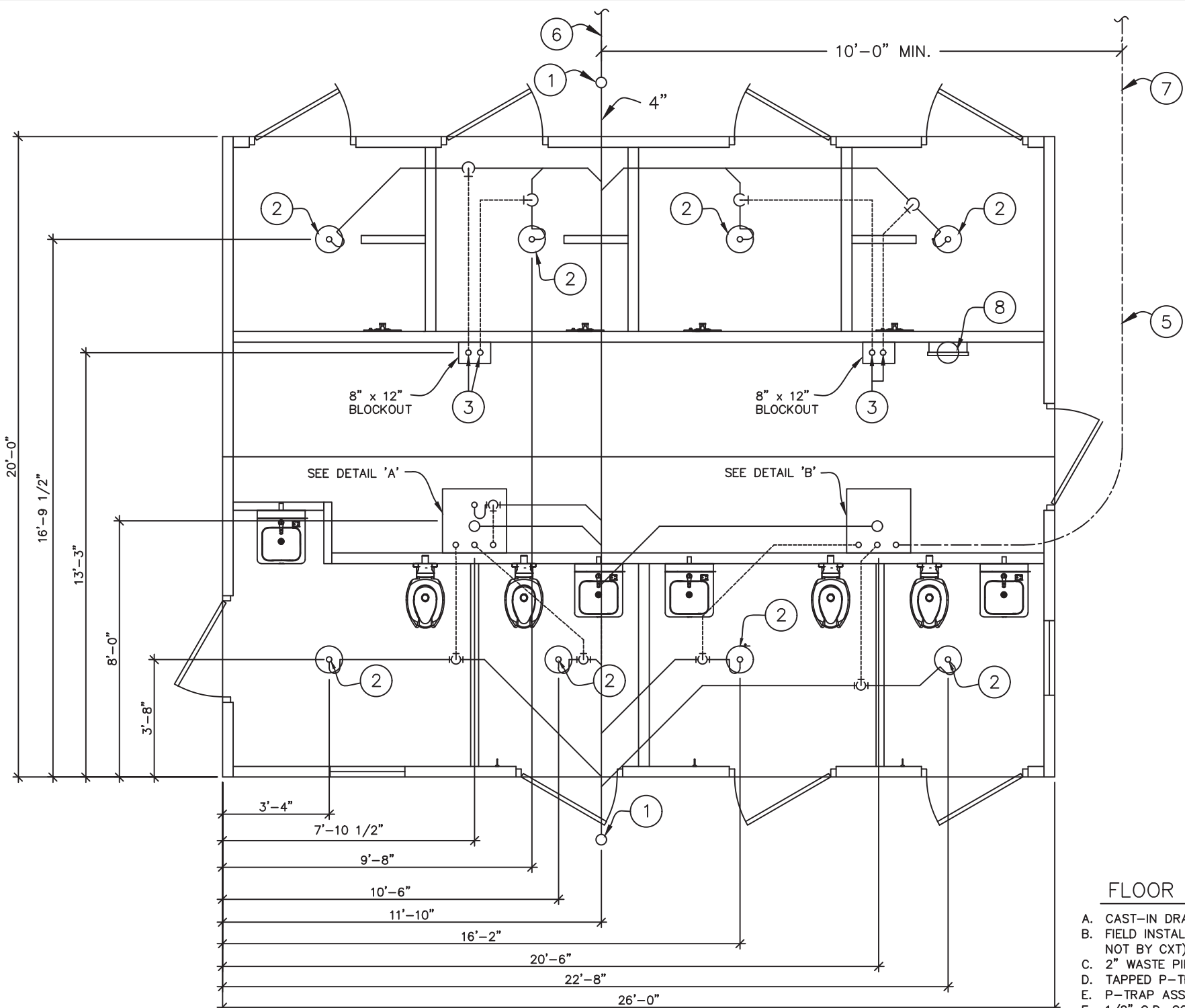
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	48

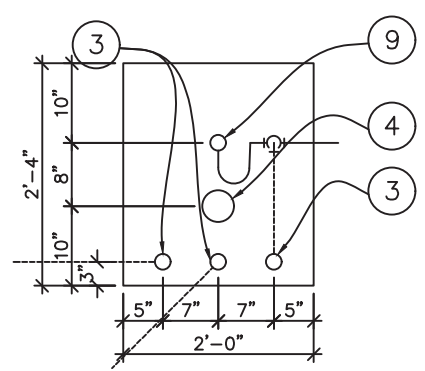
FOUNDATION DETAIL		
DWG NO.	SHEET	REV.
S-27	27 / 35	0

ALL PIPING INDICATED ON THIS SHEET IS NOT BY CXT

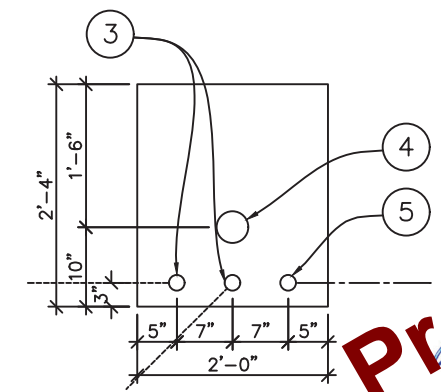


BELOW FLOOR PIPING - KEY NOTES

1. 4" CLEAN OUT TO GRADE.
2. 2" FLOOR DRAIN WITH FIELD INSTALLED TRAP PRIMER SYSTEM IF REQUIRED BY AUTHORITY HAVING JURISDICTION. (10" DIA. BLOCK-OUT)
3. 2" VENT PIPES EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST PLUG. (28" x 24" BLOCK-OUT)(8" x 12" BLOCK-OUT)
4. 4" WASTE PIPE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE TEST PLUG. (28" x 24" BLOCK-OUT)
5. 2" TYPE K ANNEALED "SOFT" COPPER WATER SERVICE EXTENDED 12" ABOVE FINISHED FLOOR LEVEL, PROVIDE CAP AT END. (28" x 24" BLOCK-OUT)
6. 30" MIN. BURY, PROVIDE TRACER TAPE.
7. 4'-6" MIN. BURY.
8. ELECTRICAL STUB UP. (8" DIA. BLOCK-OUT)
9. 2" FLOOR DRAIN WITH FIELD INSTALLED TRAP PRIMER SYSTEM IF REQUIRED BY AUTHORITY HAVING JURISDICTION. (28" x 24" BLOCK-OUT)



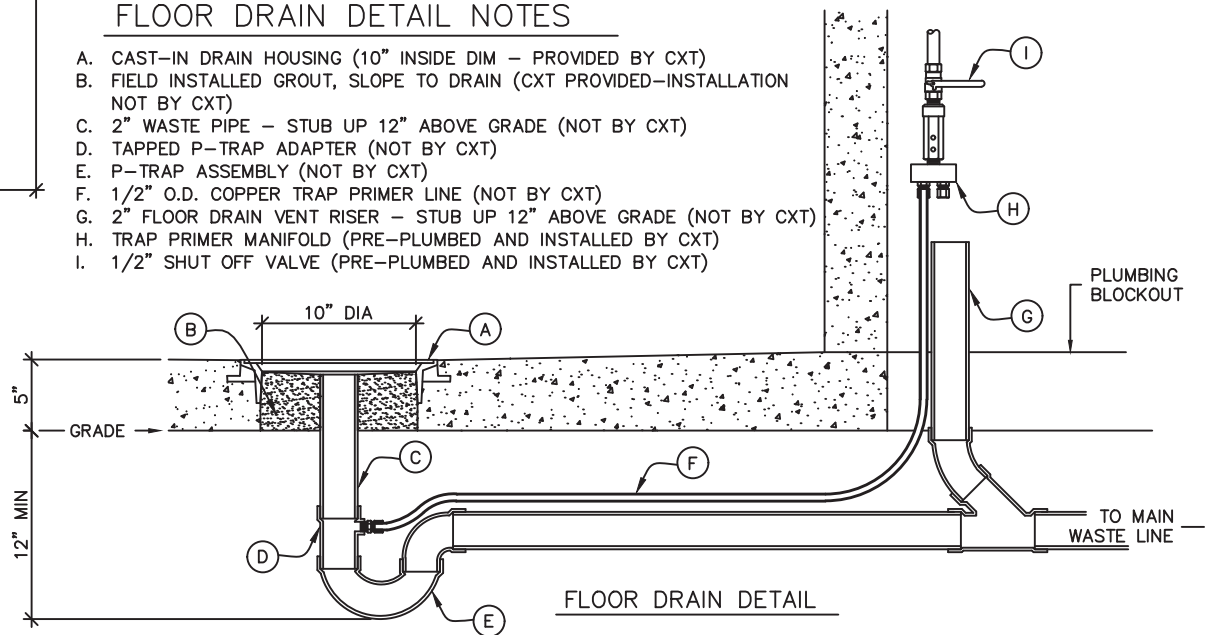
28" x 24" BLOCK-OUT
DETAIL "A"



28" x 24" BLOCK-OUT
DETAIL "B"

FLOOR DRAIN DETAIL NOTES

- A. CAST-IN DRAIN HOUSING (10" INSIDE DIM - PROVIDED BY CXT)
- B. FIELD INSTALLED GROUT, SLOPE TO DRAIN (CXT PROVIDED-INSTALLATION NOT BY CXT)
- C. 2" WASTE PIPE - STUB UP 12" ABOVE GRADE (NOT BY CXT)
- D. TAPPED P-TRAP ADAPTER (NOT BY CXT)
- E. P-TRAP ASSEMBLY (NOT BY CXT)
- F. 1/2" O.D. COPPER TRAP PRIMER LINE (NOT BY CXT)
- G. 2" FLOOR DRAIN VENT RISER - STUB UP 12" ABOVE GRADE (NOT BY CXT)
- H. TRAP PRIMER MANIFOLD (PRE-PLUMBED AND INSTALLED BY CXT)
- I. 1/2" SHUT OFF VALVE (PRE-PLUMBED AND INSTALLED BY CXT)



FLOOR DRAIN DETAIL

BELOW FLOOR PIPING PLAN

PIPING LEGEND

- 2" WATER SERVICE, ANNEALED "SOFT" COPPER, ASTM B88, TYPE 'K'
- BELOW FLOOR WASTE PIPING: SCH 40 PVC, ASTM D2665, TYPE DWV
- BELOW FLOOR VENT PIPING: SCH 40 PVC, ASTM D2665, TYPE DWV

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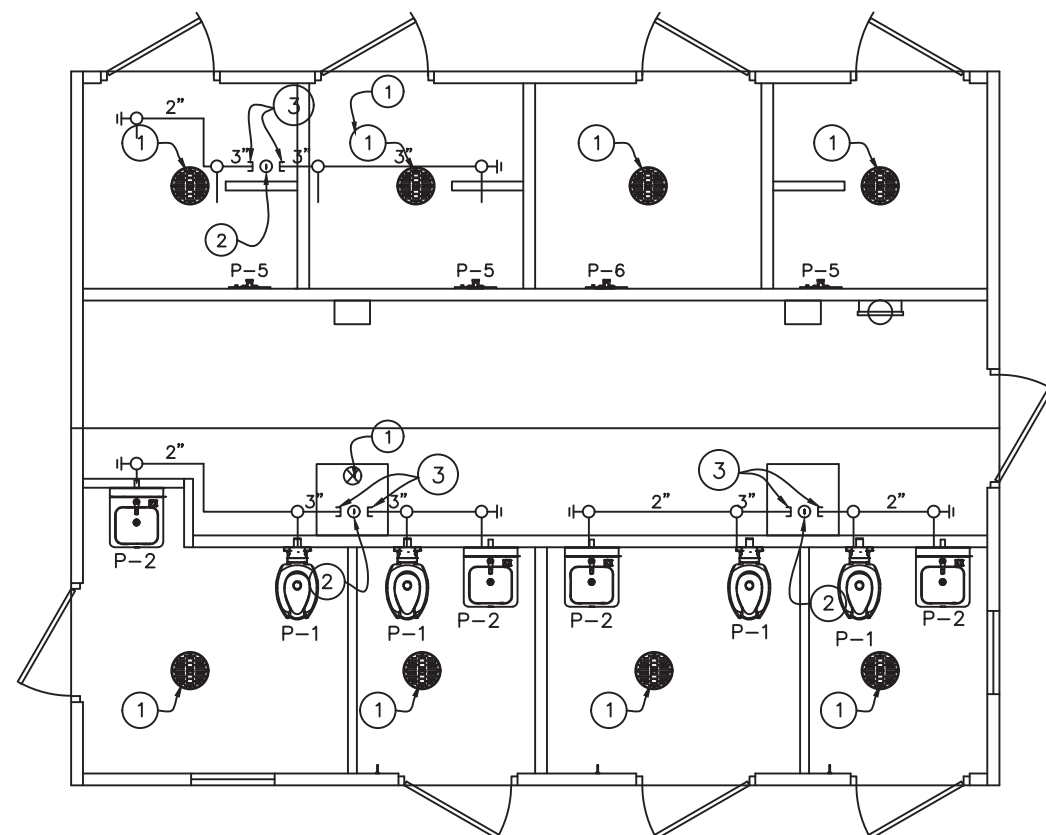
CXT
Precast Products
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362 Waverly Road Williamstown, WV 26187

PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	48

FLOOR DRAIN LOCATIONS & BELOW FLOOR PIPING		
DWG NO.	SHEET	REV.
S-28	28	0
	35	

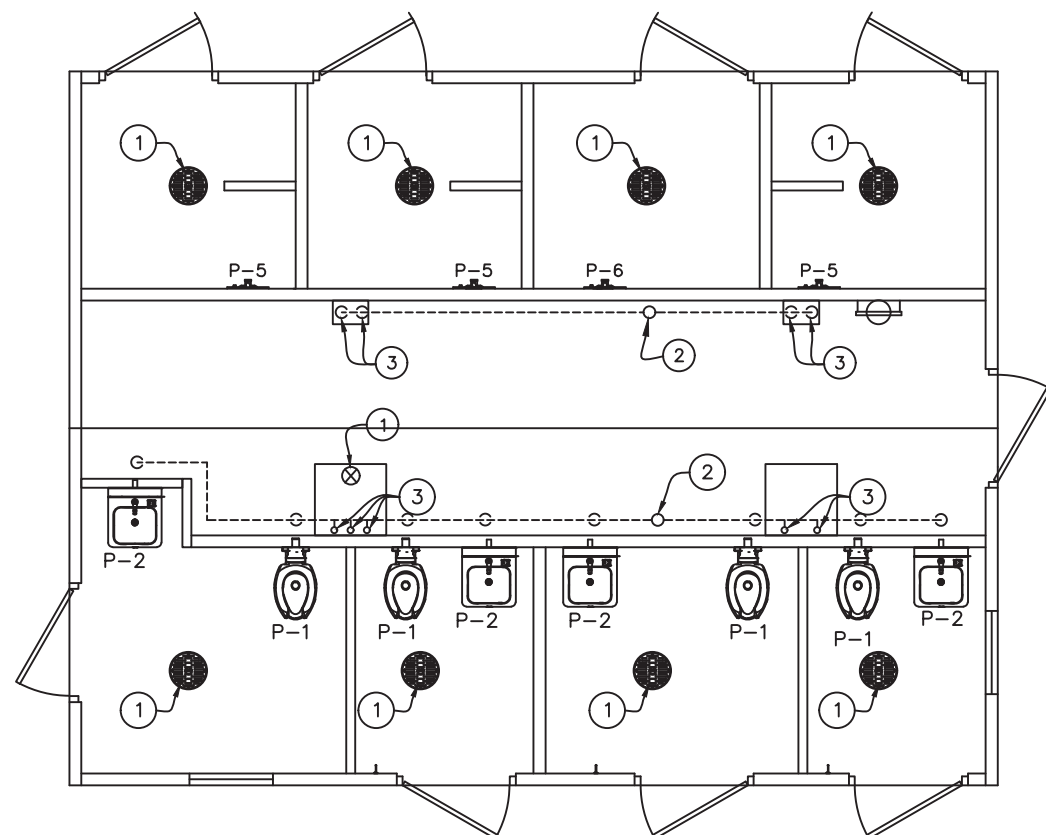


WASTE PIPING -- KEY NOTES

1. 2" FLOOR DRAIN, FIELD INSTALLED (NOT BY CXT)
2. 4" WASTE THROUGH FLOOR, FIELD INSTALLED (NOT BY CXT)
3. PROVIDE TEST PLUGS IN END OF WASTE PIPES. CONTINUATION OF PIPING IS FIELD INSTALLED & NOT BY CXT.

PIPING LEGEND

- COLD WATER; COPPER. ASTM B88, TYPE "K"
- HOT WATER; COPPER, ASTM B88, TYPE "K"
- VENT PIPING; SCH 40 PVC, ASTM D2665, TYPE DWV
- WASTE PIPE; SCH 40 PVC, ASTM D2665, TYPE DWV
- FIELD PIPING; (NOT BY CXT)



VENT PIPING -- KEY NOTES

1. 2" FLOOR DRAIN, FIELD INSTALLED (NOT BY CXT)
2. VENT THROUGH ROOF.
3. 2" VENT WITH TEST PLUG.
4. FIELD INSTALLED 2" VENT PIPING FROM FLOOR DRAINS. (NOT BY CXT)

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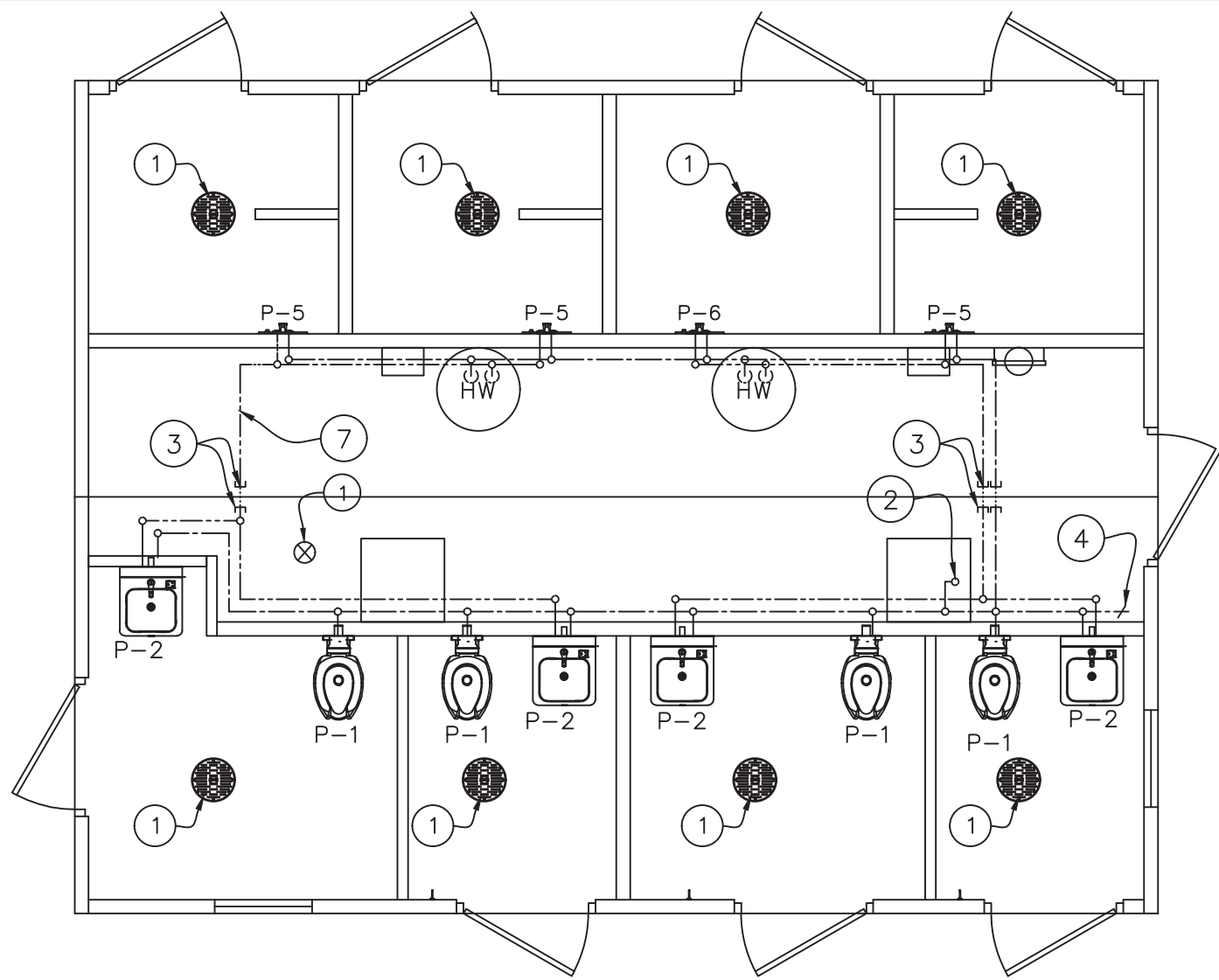
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/16"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	64

PLUMBING WASTE & VENT PIPING PLANS

DWG NO.	SHEET	REV.
S-29	29 / 35	0



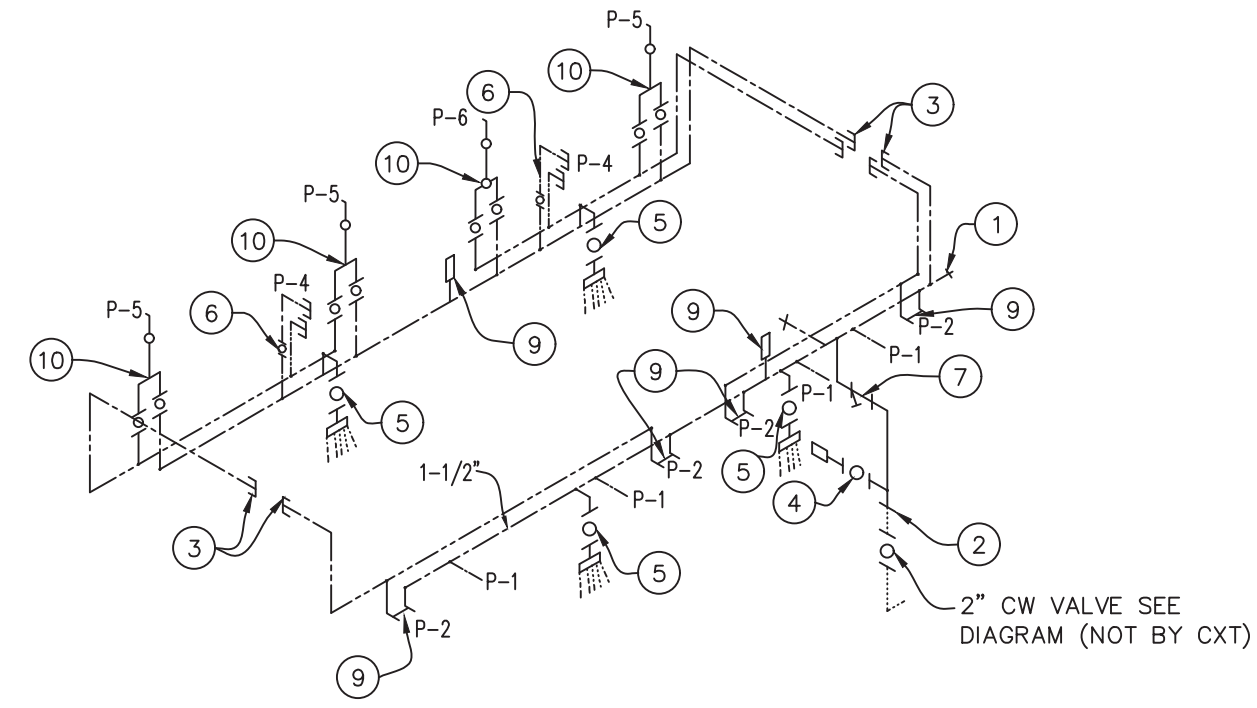
WATER PIPING PLAN

WATER PIPING - KEY NOTES

1. 2" FLOOR DRAIN, FIELD INSTALLED (NOT BY CXT) (10"Ø AND 24" x 24" BO)
2. FIELD INSTALLED 2" WATER SUPPLY WITH SHUT-OFF VALVE NEAR FLOOR. (NOT BY CXT)
3. CAPPED WATER LINES. CONNECTION BETWEEN SIDES IS TO BE FIELD INSTALLED. (NOT BY CXT)
4. 3/4" HOSE BIBB WITH VACUUM BREAKER AND WHEEL HANDLE
5. WATER PIPING ALONG WALL, SEE DIAGRAM
6. WATER HEATER SECURED TO WALL
7. HOT WATER PIPING AT CEILING, INSTALL TO MISS LIGHT FIXTURE. INSULATE WITH 1" PRE MOLDED PIPE INSULATION.

PIPING LEGEND

-----	COLD WATER; COPPER, ASTM B88, TYPE "K"
-----	HOT WATER; COPPER, ASTM B88, TYPE "K"
-----	VENT PIPING; SCH 40 PVC, ASTM D2665, TYPE DWV
-----	WASTE PIPE; SCH 40 PVC, ASTM D2665, TYPE DWV
.....	FIELD PIPING; (NOT BY CXT)



WATER PIPING RISER DIAGRAM

WATER PIPING RISER - KEY NOTES

1. 3/4" HOSE BIBB WITH VACUUM BREAKER & WHEEL HANDLE
2. TO THIS POINT BY CXT.
3. PLUGGED WATER LINES TO THIS POINT, BY CXT. PIPING BETWEEN THESE POINTS, NOT BY CXT.
4. 1/2" AIR QUICK CONNECTION W/ BALL VALVE FOR BLOWING OUT WATER PIPING.
5. 1/2" BALL VALVE & CAPPED CW LINE FOR FIELD INSTALLED TRAP PRIMER VALVE IF REQUIRED BY JURISDICTION HAVING AUTHORITY
6. 3/4" CW TO WATER HEATER, SEE HOT WATER PIPING RISER DIAGRAM.
7. WYE STRAINER
8. ASSE 1070 WATER TEMPERATURE LIMITING DEVICE
9. ASSE 1010 WATER HAMMER ARRESTOR SIOUX CHIEF HYDRA-RESTOR #654-C OR EQUAL.
10. PROVIDE SHUT-OFF VALVES ON COLD AND HOT WATER SUPPLY FOR EACH FIXTURE
11. ASSE 1016 AUTOMATIC COMPENSATING VALVE

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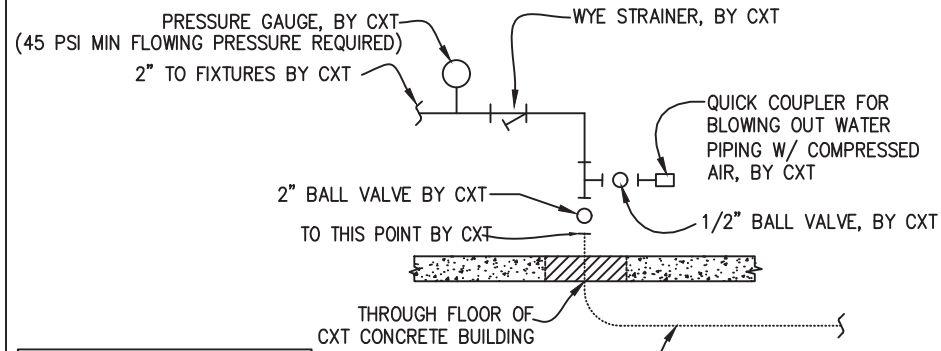
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/16"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	84

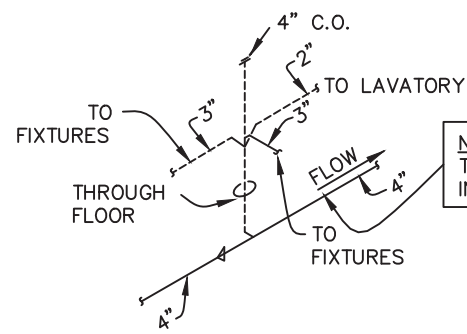
PLUMBING WATER PIPING PLAN & DIAGRAMS

DWG NO.	SHEET	REV.
S-30	30 / 35	0



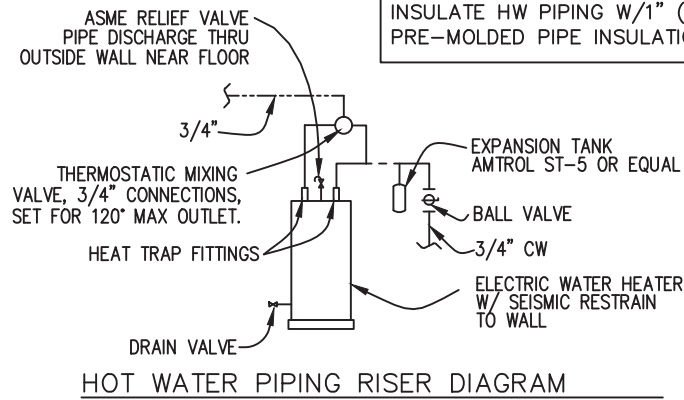
NOTE: THIS PIPING IS FIELD INSTALLED & NOT BY CXT

WATER SERVICE DETAIL



NOTE: THIS PIPING IS FIELD INSTALLED & NOT BY CXT

DETAIL OF FIELD INSTALLED WASTE CONNECTION

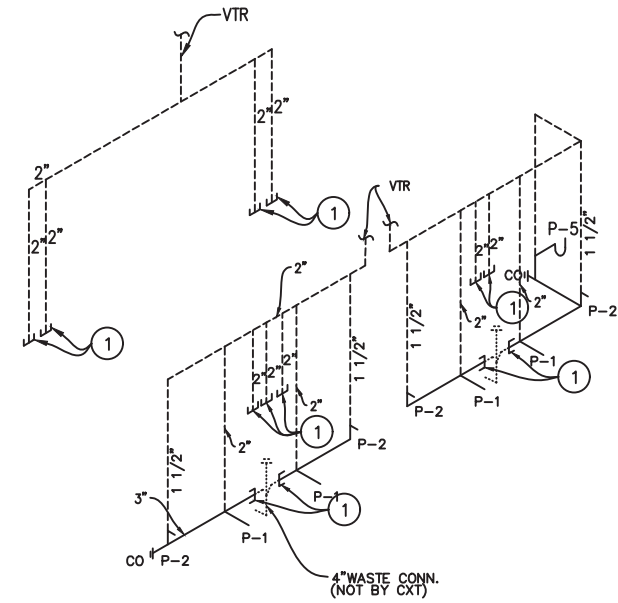


NOTE: INSULATE HW PIPING W/1" (R3.6) PRE-MOLDED PIPE INSULATION W/ASJ.

HOT WATER PIPING RISER DIAGRAM

PIPING LEGEND

- COLD WATER; COPPER, ASTM B88, TYPE "K"
- HOT WATER; COPPER, ASTM B88, TYPE "K"
- VENT PIPING; SCH 40 PVC, ASTM D2665, TYPE DWV
- WASTE PIPE; SCH 40 PVC, ASTM D2665, TYPE DWV
- FIELD PIPING; (NOT BY CXT)



KEY NOTES

- 1. TO THIS POINT BY CXT.

WASTE & VENT RISER DIAGRAM

PLUMBING FIXTURE SCHEDULE

SYM	DESCRIPTION	MANUFACTURER	CXT PART NUMBER	FLUSH VALVE/ FAUCET	ACTUATOR	QTY	HW	CW	WASTE	VENT	SUPPLIES / NOTES
P-1	WATER CLOSET	ACORN	PENAL-WARE 1680 SERIES 1680-W-1	SLOAN "OPTIMA" #152-1.6 ES-S	SLOAN EL-154	4		1 1/4"	3"	2"	SENSOR OPERATED FLUSH VALVE REQ'D. MOUNT RIM @ 17" A.F.F.
P-2	LAVATORY	ACORN	PENAL-WARE 1652 SERIES 2652-1-BP-04-M	SYMMONS S-71		4	1/2"	1/2"	1-1/2"	1-1/2"	HAMMER ARRESTOR (2)
P-3											
P-4	WATER HEATER	AO SMITH - DURA-POWER	DEN 80 - 5.5KW-5.5KW - 240V			2	3/4"	3/4"	-	-	80 GALLON, ELECTRIC TANK TYPE, 240 VOLTS, 2-5,500 WATT ELEMENTS, ONE PHASE, SIMULTANEOUS WIRING.
P-7											
P-8											
P-9	FLOOR DRAIN	TRAVIS	54960-CXT			8			2"	2"	TRAP PRIMER- MIFAB MM500, DISTR UNIT- MIFAB
		SIoux CHIEF	840-2A			1					

SYM	DESCRIPTION	MIXING VALVE	SHOWER MODULE	ACCESSORIES	HW	CW	WASTE	VENT	NOTES
P-5	NON-ADA SHOWER	ACORN	ACORN (PL54895) M1741-E707-1-8	TSM # 895 , TSM #730-PHI SEAT	1/2"	1/2"			SHOWER VALVES SHALL BE BALANCED-PRESSURE, THERMOSTATIC OR COMBINATION BALANCED-PRESSURE/THERMOSTATIC VALVE THAT CONFORM TO THE REQUIREMENTS OF ASSE 1016 OR CSA B125 AND BE EQUIPPED WITH A MEANS TO LIMIT THE MAXIMUM SETTING OF THE VALVE TO 120°F
P-6	ADA SHOWER	ACORN	ACORN ADA (PL54890) M1741-E706-1-8DIV	TSM # 895 , TSM #730-PHI SEAT	1/2"	1/2"			

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/16"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	84

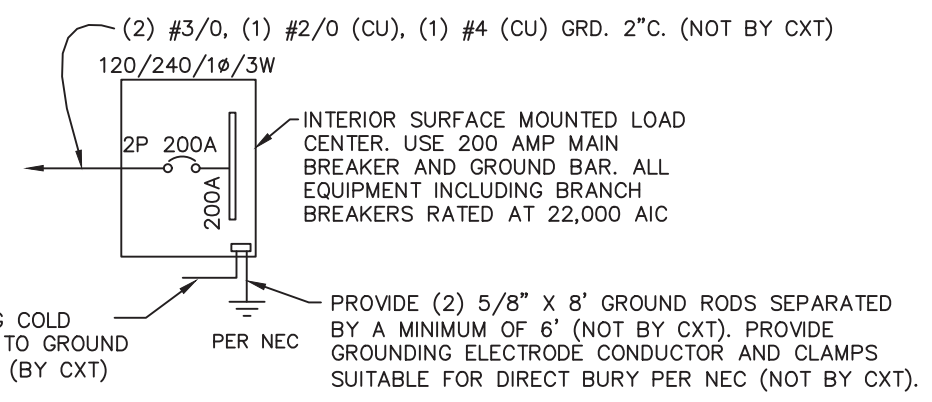
PLUMBING SCHEDULE & DIAGRAMS

DWG NO.	SHEET	REV.
S-31	31 / 35	0

PANEL SCHEDULE																			
AMP <u>200</u>			PANEL			TOTAL CONNECTED VA LOAD			29,312										
SURFACE MOUNT			120/240V, 1P, 3W			TOTAL CALCULATED VA LOAD			35,115										
CIRCUIT				LOAD				CIRCUIT				LOAD							
NO.	DESCRIPTION	OCB	TYPE (VA)	(A)	PH	NO.	DESCRIPTION	OCB	TYPE (VA)	(A)	PH	NO.	DESCRIPTION	OCB	TYPE (VA)	(A)	PH		
1	LIGHTS AND EXHAUST FANS - SHOWERS	1P/20A	N	462	3.9	A	2	LIGHTS AND EXHAUST FANS - RESTROOMS	1P/20A	R	462	3.9	A	2	LIGHTS AND EXHAUST FANS - RESTROOMS	1P/20A	R	462	3.9
3	RECEPTACLE - CHASE	1P/20A	R	180	1.5	B	4	LIGHTS - CHASE	1P/20A	N	56	0.5	B	4	LIGHTS - CHASE	1P/20A	N	56	0.5
5	OUTDOOR LIGHT	1P/20A	C	70	0.6	A	6	HAND DRYER #1	1P/20A	N	1,140	9.5	A	6	HAND DRYER #1	1P/20A	N	1,140	9.5
7	HAND DRYER #2	1P/20A	L	1,140	9.5	B	8	HAND DRYER #3	1P/20A	N	1,140	9.5	B	8	HAND DRYER #3	1P/20A	N	1,140	9.5
9	RR RECEPTACLES	1P/20A	R	360	3.0	A	10	RR RECEPTACLES	1P/20A	R	360	3.0	A	10	RR RECEPTACLES	1P/20A	R	360	3.0
11	WATER HEATER #1	2P/60A	C	5,500	45.8	B	12	WATER HEATER #2	2P/60A	C	5,500	45.8	B	12	WATER HEATER #2	2P/60A	C	5,500	45.8
13			C	5,500		A	14			C	5,500								
15	HAND DRYER #4	1P/20A	N	1,800	15.0	B	16	FLUSH SENSORS	1P/20A	R	142	1.2	B	16	FLUSH SENSORS	1P/20A	R	142	1.2
17						A	18					A	18						
19						B	20					B	20						
21						A	22					A	22						
23						B	24					B	24						
25						A	26					A	26						
27						B	28					B	28						
29						A	30					A	30						
31						B	32					B	32						

LOAD	CONNECTED	CALCULATED
(C)ONTINUOUS	22,070 x1.25	27,588 VA
(R)EC (1ST 10KVA)	1,504 x1.00	1,504 VA
(N)ON-CONTINUOUS	4,598 x1.00	4,598 VA
(L)ARGEST MOTOR	1,140 x1.25	1,425 VA
TOTAL LOAD	29,312	35,115 VA
		146.3 AMPS

NOTE: MAXIMUM ALLOWABLE AIC IS 22K AMPS, PANEL MODIFICATIONS WILL BE REQUIRED (NOT BYCXT) IF TRANSFORMER CAPACITY EXCEEDS 175 KVA.



ONE-LINE POWER DIAGRAM
NTS

GENERAL ELECTRICAL NOTES

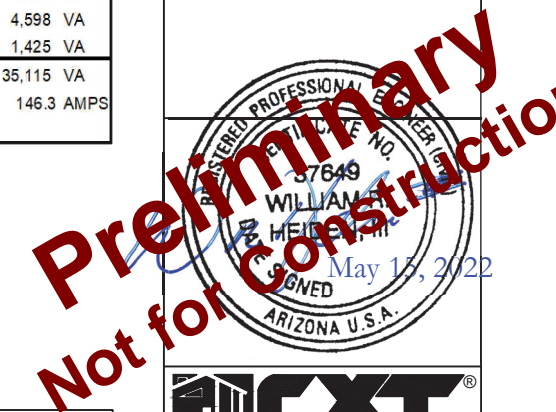
1. RECESSED JUNCTION BOXES FOR SINGLE DEVICES SHALL HAVE SINGLE GANG MUD RINGS CAST IN CONCRETE WALLS.
2. ALL RECEPTACLES SHALL BE GFCI PROTECTED BY CIRCUIT BREAKERS, OR BY OTHER GFCI RECEPTACLES.
3. ALL CONDUIT SHALL BE SIZED PER NEC. EXPOSED CONDUIT SHALL BE EMT/FMC, RECESSED SHALL BE PVC.
4. INSTALL ALL WIRING IN CONDUIT OR RELATED ENCLOSURES.
5. ALL ELECTRICAL INSTALLATIONS SHALL MEET THE 2017 NATIONAL ELECTRICAL CODE.
6. MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER, THHN INSULATION UNLESS NOTED OTHERWISE.
7. ROUTE ALL CONDUITS IN UTILITY ROOM AT CEILING OR FACE OF WALLS.
8. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE & MAY NOT SHOW EXACT LOCATIONS OF DEVICES. REFER TO WALL PANEL & OTHER DRAWINGS FOR EXACT LOCATIONS OF J-BOXES, ETC..
9. ALL CONDUCTORS AND CABLES MUST BE PROPERLY TERMINATED IN APPROVED BOXES, BEFORE CONNECTING THE CIRCUIT TO THE BREAKER AND BEFORE RECEIVING FINAL INSPECTION APPROVAL IN THE FACTORY
10. CIRCUIT BREAKER LOCKOUTS REQUIRED FOR EACH HAND DRYER.
11. PROVIDE 2 POLE 60 AMP CIRCUIT BREAKER WIRED WITH #6 AWG

EXHAUST FAN SCHEDULE							
SYM	MFR	MODEL #	CFM	SONES	VOLTS	AMPS	NTS.
EF-1	FANTECH	FG-6XL	494	6.0	120	1.31	1

NOTE 1. INLINE CENTRIFUGAL FAN, PROVIDE DUCTING AND ROOF EXHAUST CAP.

LIGHTING FIXTURE SCHEDULE			
FIXTURE NUMBER	VOLTAGE	WATTS	DESCRIPTION
A	120	28	LUMINAIRE VPF84 INTERIOR LIGHT FIXTURE, VPF8-4-28W HP-4000K-120-CP-WHT-WET-OCC-TX/SD SURFACE MOUNTED, LED LAMP 4 FT, WRAP AROUND LENS, LOW TEMPERATURE DRIVER, BUILT IN OCCUPANCY SENSOR ACTIVATED W/ ADDITIONAL OCCUPANCY SENSOR FOR FAN CONTROL
B	120	14	SWOOP 610 LED EXTERIOR LIGHT, YWP610-14W HP-3500K-120-CP-BRZ-CAB/PC EXTERIOR, VANDAL RESISTANT, WALL MOUNTED, 14 WATT, CLEAR PRISMATIC LENS, BUILT IN PHOTOELECTRIC CONTROL
C	120	28	LUMINAIRE VPF84 INTERIOR LIGHT FIXTURE, VPF8-4-28W HP-4000K-120-CP-WHT-WET-TX/SD SURFACE MOUNTED, LED LAMP 4 FT, WRAP AROUND LENS, LOW TEMPERATURE DRIVER, WALL SWITCH CONTROL.

NOTE: THE SOURCE OF EFFICACY OF EXTERIOR LIGHTING IS TO BE A MINIMUM OF 45 LUMENS PER WATT.



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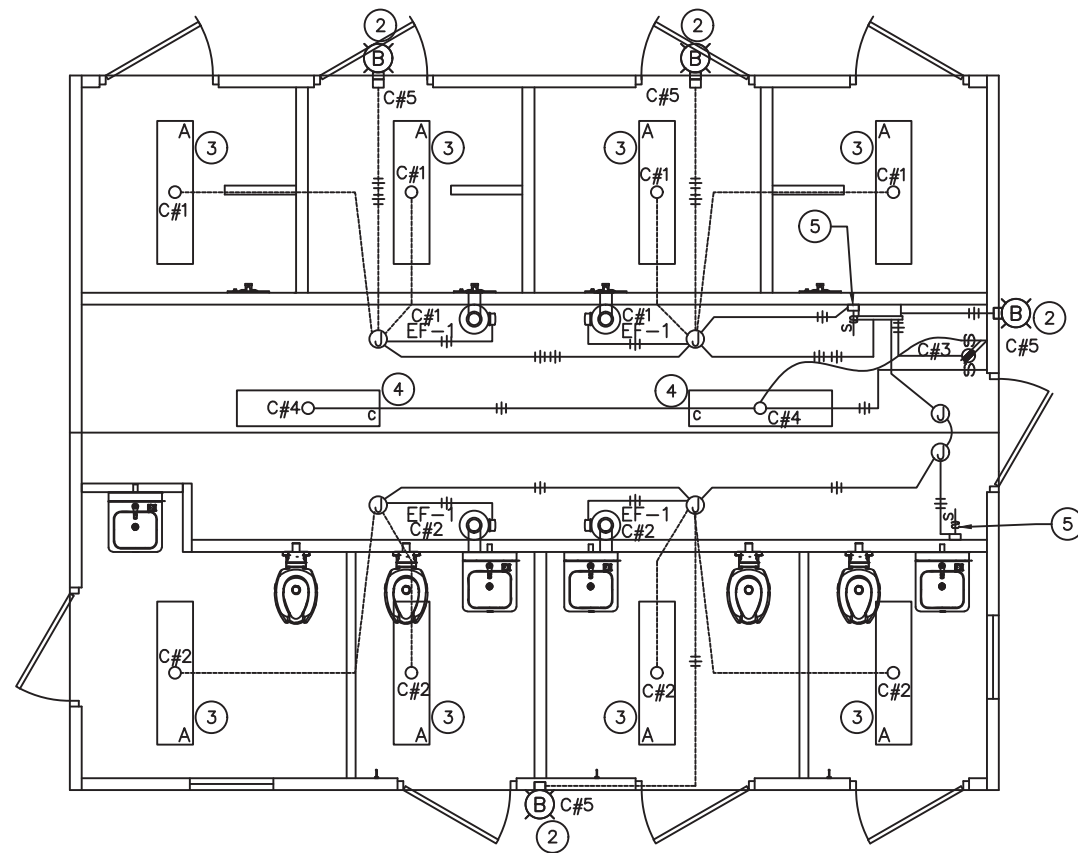
PROJECT TITLE
SANTIAGO
BUILDINGS S-365 THRU S-367

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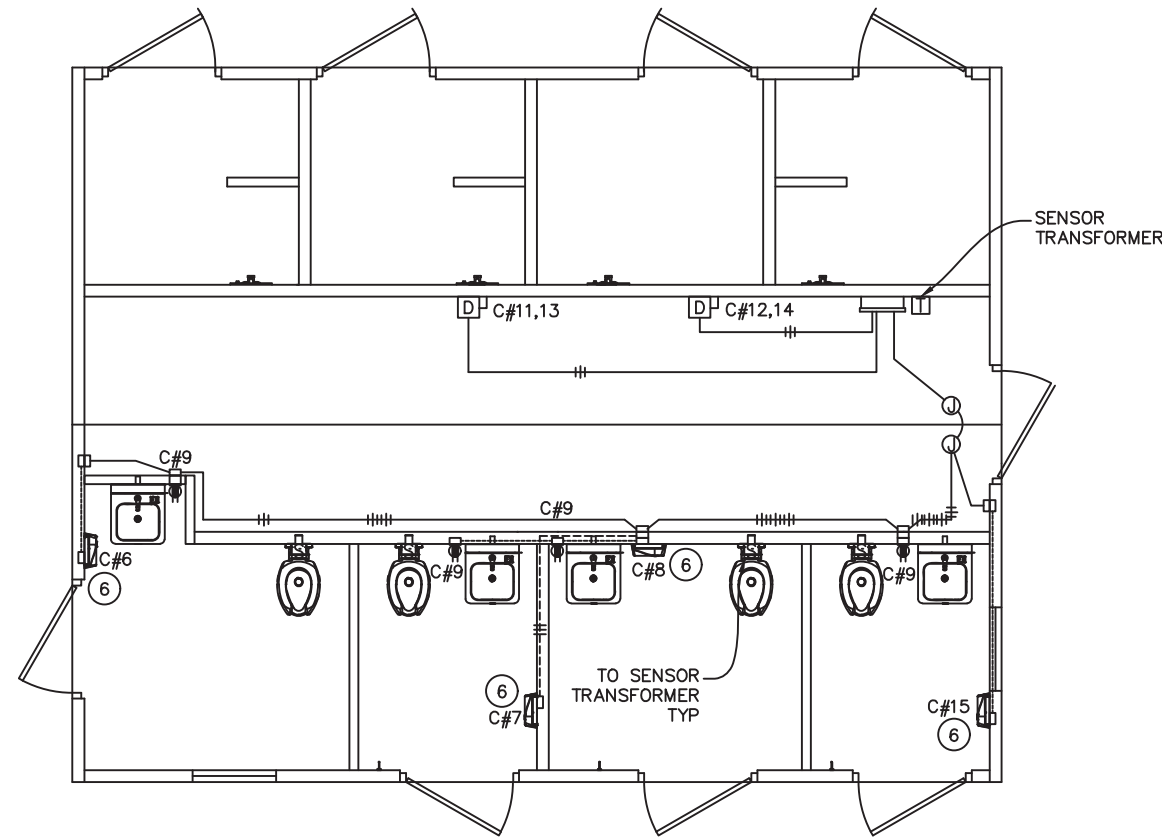
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	48

ELECTRICAL NOTES, DETAILS, & SCHEDULE

DWG NO.	SHEET	REV.
S-32	32/35	0



LIGHTING & EXHAUST FAN PLAN



WATER HEATER & RECEPTACLE PLAN

KEY NOTES

- ① WIRE EXHAUST FANS THROUGH OCCUPANCY SWITCH LOCATED IN LIGHT FIXTURE
- ② EXTERIOR LIGHT FIXTURES TO BE CONTROLLED BY INTEGRAL PHOTOCCELL
- ③ LIGHTS ARE OCCUPANCY SENSOR OPERATED.
- ④ CHASE LIGHTS ARE OCCUPANCY WALL SWITCH OPERATED.
- ⑤ PROVIDE ONE SPEED SWITCH PER EXHAUST FAN, ONLY 1 SHOWN FOR CLARITY.
- ⑥ HAND DRYERS

SYMBOLS

- GFCI RECEPTACLE
- COMBINATION SWITCH & GFCI DUPLEX
- JUNCTION BOX
- RECESSED JUNCTION BOX
- LOAD CENTER "A"
- CEILING MOUNTED LED FIXTURE
- EXTERIOR LIGHT FIXTURE
- HAND DRYER
- WATER HEATER
- SAFETY DISCONNECT
- C#XX CIRCUIT NUMBER
- SURFACE MOUNTED CONDUIT, CROSSHATCH OR SLASH AND NUMBER DENOTES WIRES, (ALL #12AWG UNO, UNLESS NOTED) ONE WIRE TO BE GROUND
- CONCEALED CONDUIT

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	3/16"=1'-0"	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	84

ELECTRICAL PLANS & NOTES

DWG NO.	SHEET	REV.
S-33	33 / 35	0

WALL PANEL W1	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2-S	4
PS-2-S	10
FL-648	4
R411	4
R320	12
PS-19-S	6
R303	6
R316	1
R327	2
R3x64	2
SI-2 MOLD	4
4x4 J-BOX	2
ROUND MUD RING	2
MS-2 B.O.	2
R3x92	8
R3x98	12
R3x162	4
R3x68	2
R322	4
3"x6"x2" DP PARTIAL B.O.	2
40 1/8" x 82 1/4" B.O.	4
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 57.2 (2.12)	SQ. FT. W.W.F. 150
APPROXIMATE WEIGHT 8,590	

WALL PANEL W2	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2-S	3
PS-10-S	2
PS-19-S	4
R303	4
PS-2-S	1
R3x116	4
R3x92	4
R320	8
R3x38	2
R322	2
MS-2 BLOCKOUT	1
R3x96	2
SI-2 MOLD	1
4x4 E-BOX	2
ROUND MUD RING	1
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 22.7 (0.84)	SQ. FT. W.W.F. 69
APPROXIMATE WEIGHT 3,405	

WALL PANEL W3	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2-S	3
PS-10-S	2
PS-19-S	4
R303	4
PS-2-S	1
R3x116	4
R3x92	4
R320	8
R3x38	2
R322	2
MS-2 BLOCKOUT	1
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 26.5 (0.98)	SQ. FT. W.W.F. 80
APPROXIMATE WEIGHT 3,975	

WALL PANEL W4			
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2-S	2		
PS-10-S	2		
PS-2-S	4		
R320	4		
R3x65	4		
R3x110	4		
PS-3-S	2		
R303	2		
MARINE GRADE PKG REQ			
CU. FT. CONC. 18.2 (0.68)	SQ. FT. W.W.F. 55	APPROX CONG HEIGHT 2,735	

WALL PANEL W5			
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2-S	2		
PS-10-S	2		
PS-2-S	4		
R320	4		
R3x65	4		
R3x129	4		
PS-3-S	2		
R303	2		
MARINE GRADE PKG REQ			
CU. FT. CONC. 21.3 (0.79)	SQ. FT. W.W.F. 65	APPROX CONG HEIGHT 3,190	

WALL PANEL W6			
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2-S	2		
PS-10-S	2		
PS-2-S	4		
R320	4		
R3x65	4		
R3x110	4		
PS-3-S	2		
R303	2		
MARINE GRADE PKG REQ			
CU. FT. CONC. 18.2 (0.68)	SQ. FT. W.W.F. 55	APPROX CONG HEIGHT 2,735	

WALL PANEL W7	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2-S	6
PS-2-S	10
FL-648	4
R411	4
BLOCKOUT 6 1/2" DIA	4
PS-19-S	6
R303	6
R320	4
R316	1
R327	2
R3x172	6
R3x92	20
SHOWER WALL SLEEVE	4
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 76.9 (2.85)	SQ. FT. W.W.F. 243
APPROXIMATE WEIGHT 11,535	

WALL PANEL W8	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2	6
PS-2	9
FL648	4
R411	4
R327	1
R3x92	2
R3x140	4
R316	1
R320	4
PS-19	6
R303	6
R3x116	1
R3x100	2
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 72.3 (2.67)	SQ. FT. W.W.F. 216
APPROXIMATE WEIGHT 10,845	

WALL PANEL W8 BLOCKOUTS	
EMBEDDED MATERIALS	
ITEM	QTY
W.C. WALL SLEEVE	4
TWO GANG MUD RING	4
B.O. 3" DIA	3
B.O. 1 1/2" DIA	3
RECT MUD RING	4
4x4 E-BOX	12
B.O. 6 1/2" DIA	4
3"x6"x2" DP PARTIAL B.O.	1
4x4 J-BOX	2
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 14.7 (0.54)	SQ. FT. W.W.F. 58
APPROXIMATE WEIGHT 2,205	

WALL PANEL W9	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2	3
PS-10	2
PS-19	4
R303	2
PS-2	1
R3x116	4
R3x92	4
R320	8
R3x38	2
R322	4
MS-2 BLOCKOUT	1
R3x96	2
MS-4 B.O.	1
4x4 J-BOX	2
RECT MUD RING	1
R3x54	2
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 21.9 (0.81)	SQ. FT. W.W.F. 69
APPROXIMATE WEIGHT 3,285	

WALL PANEL W10	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2	3
PS-2	2
PS-10	2
PS-19	6
R3x92	8
R3x116	4
R320	16
R303	2
R3x48	2
B.O. 40 1/8" x 82 1/4"	1
SI-2	1
ROUND MUD RING	1
4x4 J-BOX	3
RECT MUD RING	1
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 18.8 (0.70)	SQ. FT. W.W.F. 80
APPROXIMATE WEIGHT 2,820	

WALL PANEL W11			
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2	2		
PS-15	2		
PS-2	4		
R320	4		
R3x72	4		
R3x108	4		
MARINE PACKAGE REQUIRED			
CU. FT. CONC. 14.7 (0.54)	SQ. FT. W.W.F. 58	APPROX CONG HEIGHT 2,205	

WALL PANEL W12			
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2	2		
PS-10	2		
PS-2	4		
R320	4		
R3x72	4		
R3x129	4		
4x4 J-BOX	1		
RECT MUD RING	1		
3"x6"x2" DP PARTIAL B.O.	1		
MARINE PACKAGE REQUIRED			
CU. FT. CONC. 23.5 (0.87)	SQ. FT. W.W.F. 70	APPROX CONG HEIGHT 3,525	

WALL PANEL W13			
EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
AS-2	2		
PS-15	2		
PS-2	4		
R320	4		
R3x72	4		
R3x114	4		
MARINE PACKAGE REQUIRED			
CU. FT. CONC. 15.6 (0.57)	SQ. FT. W.W.F. 60	APPROX CONG HEIGHT 2,340	

WALL PANEL W14	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2	2
PS-2	4
PS-15	2
R3x92	2
R3x100	2
R320	8
B.O. 3" DIA	1
B.O. 1 1/2" DIA	1
4x4 E-BOX	2
RECT MUD RING	1
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 5.90 (0.21)	SQ. FT. W.W.F. 23
APPROXIMATE WEIGHT 885	

WALL PANEL W15	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2	2
PS-15	2
PS-19	4
R303	4
R320	8
R3x100	8
MARINE PACKAGE REQUIRED	
CU. FT. CONC. 4.20 (0.15)	SQ. FT. W.W.F. 16
APPROXIMATE WEIGHT 630	

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BUILDINGS S-365 THRU S-367			
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	NTS	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	-
MATERIAL LIST			
DWG NO.	SHEET	REV.	
S-34	34 35	0	

WALL PANEL W16	
EMBEDDED MATERIALS	
ITEM	QTY
AS-2	5
PS-2	10
FL-648	4
R411	4
R3x92	6
R3x98	10
R3x180	4
R320	12
R327	2
R316	1
40 1/8" x 82 1/4" B0	3
R3x54	2
R3x38	4
R322	6
R303	6
PS-19	6
MS-2 B.O.	2
SI-2 MOLD	3
3"x6"x2" DP PARITAL B.O.	1
4x4 J-BOX	1
ROUND MUD RING	1
MS-4 B.O.	1
MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
57.2 (2.11)	174
APPROXIMATE WEIGHT	
8,580	

FLOOR SLAB F1	
EMBEDDED MATERIALS	
ITEM	QTY
PS-19-S	19
AS-5	7
PT CHUCK	2
R3x116	2
R303	12
1" PVC SCH40 x9'-6"	2
R4x112	6
R3x172	4
R3x48	8
R3x32	8
R3x42	32
RM54960 F.D.	4
BLOCKOUT 8"x1'-0"	2
AS-3	1
B.O. 8" DIA	1
SECTIONAL CONNECTION B.O.	2
MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
107.8 (3.99)	520
APPROXIMATE WEIGHT	
16,175	

FLOOR SLAB F2	
EMBEDDED MATERIALS	
ITEM	QTY
PS-19	25
AS-3	2
R3x72	4
R3x172	16
R4x112	10
R3x62	2
R3x42	32
RM54960 F.D.	4
AS-1	4
B.O. 24"x24"	2
R303	10
R3x116	2
SECTIONAL BLOCKOUT	2
AS-5	2
1" PVC SCH40 x9'-6"	2
PT CHUCK	2
MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
104.1 (3.85)	536
APPROXIMATE WEIGHT	
15,615	

ROOF SLAB R1-R	
EMBEDDED MATERIALS	
ITEM	QTY
PS-19-S	11
FL-847	4
FL-648	4
R411	4
R303	11
R3x134	4
R3x175	2
R3x176	2
R320	4
1" PVC SCH40 x11'-0"	1
PT CHUCK	1
PS-2-S	2
R4x18	16
BLOCKOUT 5" DIA	1
3"x6"x3" DP B.O.	1
4x4 J-BOX	3
BLOCKOUT 6 1/2" DIA	1
ROUND MUD RING	2
MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
71.3 (2.64)	344
APPROXIMATE WEIGHT	
10,695	

ROOF SLAB R1-L	
EMBEDDED MATERIALS	
ITEM	QTY
PS-19-S	13
FL-847	4
FL-648	4
R411	4
R303	13
R3x134	4
R3x175	2
R3x176	2
R320	4
1" PVC SCH40 x11'-0"	1
PT CHUCK	1
PS-2-S	2
R4x18	16
B.O. 6 1/2" DIA	1
3"x6"x3" DP B.O.	1
4x4 J-BOX	3
ROUND MUD RING	2
MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
71.3 (2.64)	344
APPROXIMATE WEIGHT	
10,695	

ROOF SLAB R2-R	
EMBEDDED MATERIALS	
ITEM	QTY
PS-19	16
PS-2	3
FL648	4
FL847	4
R411	4
R303	16
R320	4
R3x176	2
R3x134	4
R3x175	2
R4x18	16
BLOCKOUT 5" DIA	2
4x4 J-BOX	3
3"x6"x3" DP B.O.	1
ROUND MUD RING	2
B.O. 6 1/2" DIA	1
1" PVC SCH40 x11'-0"	1
PT CHUCK	1
MARINE PACKAGE REQUIRED	
CU. FT. CONC.	SQ. FT. W.W.F.
71.3 (2.64)	340
APPROXIMATE WEIGHT	
10,695	

ROOF SLAB R2-L	
EMBEDDED MATERIALS	
ITEM	QTY
PS-19	17
PS-2	3
FL648	4
FL847	4
R411	4
R303	17
R320	4
R3x176	2
R3x134	4
R3x175	2
R4x18	16
BLOCKOUT 5" DIA	1
4x4 J-BOX	3
ROUND MUD RING	1
B.O. 6 1/2" DIA	1
1" PVC SCH40 x11'-0"	1
PT CHUCK	1
MARINE PACKAGE REQ'D	
CU. FT. CONC.	SQ. FT. W.W.F.
71.3 (2.64)	340
APPROXIMATE WEIGHT	
10,695	

INTERIOR PARTITION P1 (3 REQ'D)	
EMBEDDED MATERIALS	
ITEM	QTY
PS-20-S	2
B-18	1
MARINE PACKAGE REQ'D	
CU. FT. CONC.	SQ. FT. W.W.F.
2.9 (0.12)	11
APPROXIMATE WEIGHT	
435	

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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	NTS	DATE	3/31/22
DRAWN	M. TOLMAN	FILE NO.	S-365
CHECKED	BNA	PLOT	-

MATERIAL LIST

DWG NO.	SHEET	REV.
S-35	35 / 35	0